

**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 PC

**Brand Name:** HP

**Model No.:** R2022

**Model Difference:** N/A

**Report Number:** TERF2206000813E2

**FCC ID** B94R2022GPKV

**Issue Date:** Sep. 05, 2022

**Date of Test:** Jul. 14, 2022~Sep. 02, 2022

**Date of EUT Received:** Jun. 07, 2022

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

**Vito Pei**

**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
TERF2206000813E2	00	Original.	Aug. 10, 2022	Yami Kuo	
TERF2206000813E2	01	Add RF EIRP Power	Sep. 05, 2022	Yami Kuo	*

**Note:**

- 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 PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	5CD21235KV
Power Supply:	7.68 Vdc from Rechargeable Li-Polymer Battery or 5 / 9 / 12 / 15 Vdc from AC/DC Adapter
Test Software (Name/Version)	Default (link 8821C)

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## 1.2 Operation Frequency Range

LTE Band 2	
BW (MHz)	Operation Frequency (MHz)
1.4	1850.7 - 1909.3
3	1851.5 - 1908.5
5	1852.5 - 1907.5
10	1855.0 - 1905.0
15	1857.5 - 1902.5
20	1860.0 - 1900.0

LTE Band 4	
BW (MHz)	Operation Frequency (MHz)
1.4	1710.7 - 1754.3
3	1711.5 - 1753.5
5	1712.5 - 1752.5
10	1715.0 - 1750.0
15	1717.5 - 1747.5
20	1720.0 - 1745.0

LTE Band 5	
BW (MHz)	Operation Frequency (MHz)
1.4	824.7 - 848.3
3	825.5 - 847.5
5	826.5 - 846.5
10	829.0 - 844.0

LTE Band 7	
BW (MHz)	Operation Frequency (MHz)
5	2502.5 - 2567.5
10	2505.0 - 2565.0
15	2507.5 - 2562.5
20	2510.0 - 2560.0

LTE Band 12	
BW (MHz)	Operation Frequency (MHz)
1.4	699.7 - 715.3
3	700.5 - 714.5
5	701.5 - 713.5
10	704.0 - 711.0

LTE Band 13	
BW (MHz)	Operation Frequency (MHz)
5	779.5 - 784.5
10	782.0

LTE Band 14	
BW (MHz)	Operation Frequency (MHz)
5	790.5 - 795.5
10	793.0

LTE Band 25	
BW (MHz)	Operation Frequency (MHz)
1.4	1850.7 - 1914.3
3	1851.5 - 1913.5
5	1852.5 - 1912.5
10	1855.0 - 1910.0
15	1857.5 - 1907.5
20	1860.0 - 1905.0

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LTE Band 26	
BW (MHz)	Operation Frequency (MHz)
1.4	824.7 - 848.3
3	825.5 - 847.5
5	826.5 - 846.5
10	829.0 - 844.0
15	831.5 - 841.5

LTE Band 66	
BW (MHz)	Operation Frequency (MHz)
1.4	1710.7 - 1779.3
3	1711.5 - 1778.5
5	1712.5 - 1777.5
10	1715.0 - 1775.0
15	1717.5 - 1772.5
20	1720.0 - 1770.0

LTE Band 30	
BW (MHz)	Operation Frequency (MHz)
5	2307.5 - 2312.5
10	2310.0

LTE Band 38	
BW (MHz)	Operation Frequency (MHz)
5	2572.5 - 2617.5
10	2575.0 - 2615.0
15	2577.5 - 2612.5
20	2580.0 - 2610.0

LTE Band 41	
BW (MHz)	Operation Frequency (MHz)
5	2498.5 - 2687.5
10	2501.0 - 2685.0
15	2503.5 - 2682.5
20	2506.0 - 2680.0

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### 1.3 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant5
<b>Note:</b> Transmission frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
		Ant5
LTE-Band 2	1850 ~ 1910	0.21
LTE-Band 4	1710 ~ 1755	0.05
LTE-Band 5	824 ~ 849	-0.64
LTE-Band 7	2500 ~ 2570	-2.98
LTE-Band 12	699 ~ 716	0.44
LTE-Band 13	777 ~ 787	-0.46
LTE-Band 14	788 ~ 798	-0.61
LTE-Band 25	1850 ~ 1915	0.54
LTE-Band 26	824 ~ 849	-0.70
LTE-Band 30	2305 ~ 2315	-1.37
LTE-Band 38	2570 ~ 2620	-2.33
LTE-Band 41	2496 ~ 2690	-2.86
LTE-Band 66	1710 ~ 1780	-0.63

**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  
 KDB971168 D01 Power Meas license Digital System v03r01  
 KDB412172 D01 Determining ERP and EIRP v01r01

### 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		
		Conduction C		
	SAC C			
	SAC D			
	SAC G			
	Conducted A			
	Conducted B			
	Conducted C			
	Conducted D			
	Conducted E			
	Conducted F			
	Conducted G			
No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333				

**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 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:

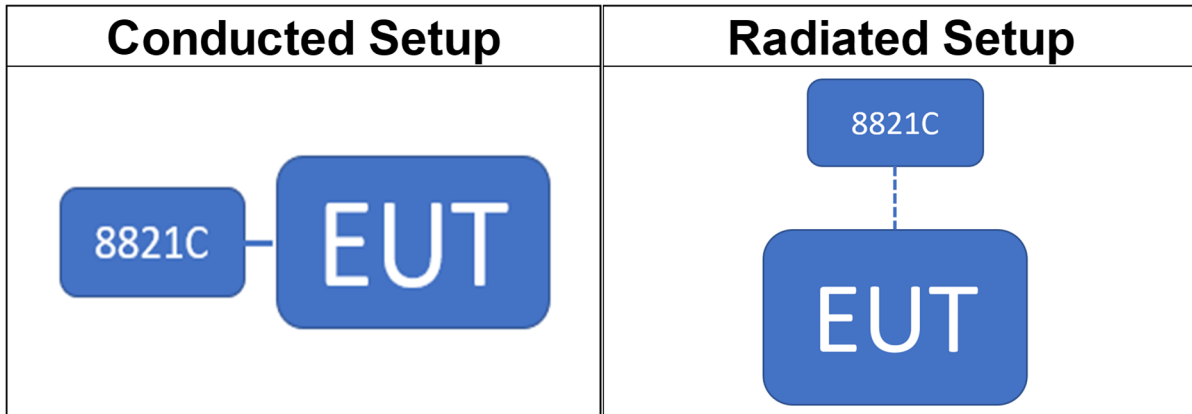
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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## 2.5 Test Configuration



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

## 2.6 Control Unit(s)

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(a)(3)(i) §27.50(c)(10) §27.50(b)(10) §27.50(d)(4) §27, 50(h)(2) §90.542(a) (7) §90.635	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4) §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 Test Channel Details

This device supports with carrier aggregation (two carrier) uplink. Intra-Band contiguous and Inter-Band non-contiguous specification as below:

Test Items	Band	Test Channel			Bandwidth (MHz)							Modulation				RB #					
		L	M	H	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full	
Max. Output Power	5B	v	v	v		v						v	v	v	v					v	v
	7C	v	v	v						v	v	v	v	v						v	v
	38C	v	v	v						v		v	v	v	v					v	v
	41C	v	v	v					v	v	v	v	v	v	v					v	v
	66B	v	v	v	v	v	v					v	v	v	v					v	v
	66C	v	v	v				v	v	v	v	v	v	v	v					v	v

#### 2A-5A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	20 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 100 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

#### 2A-12A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	20 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 100 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

#### 2A-13A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	20 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 100 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

#### 2A-14A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	20 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 50 RBs allocated, RB start = 0	Resource Block Allocation	UL: 50 RBs allocated, RB start = 0

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4A-5A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

4A-12A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 50 RBs allocated, RB start = 0

4A-13A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 25 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

5A-7A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

5A-30A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

5A-66A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 50 RBs allocated, RB start = 0	Resource Block Allocation	UL: 50 RBs allocated, RB start = 0

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12A-30A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 50 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

12A-66A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 25 RBs allocated, RB start = 0

13A-66A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 50 RBs allocated, RB start = 0	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

14A-30A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

14A-66A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0	Resource Block Allocation	UL: 50 RBs allocated, RB start = 0

25A-26A

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	20 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 50 RBs allocated, RB start = 0	Resource Block Allocation	UL: 36 RBs allocated, RB start = 0

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5B

Parameter	Test Condition	Parameter	Test Condition
Test Channel	High	Test Channel	High
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 49	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

7C

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	15 MHz	Channel Bandwidth	15 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 74	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

38C

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Low	Test Channel	Low
Channel Bandwidth	15 MHz	Channel Bandwidth	15 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 74	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

41C

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Low	Test Channel	Low
Channel Bandwidth	20 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 99	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

66B

Parameter	Test Condition	Parameter	Test Condition
Test Channel	Mid	Test Channel	Mid
Channel Bandwidth	10 MHz	Channel Bandwidth	10 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 49	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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66C

Parameter	Test Condition	Parameter	Test Condition
Test Channel	High	Test Channel	High
Channel Bandwidth	20 MHz	Channel Bandwidth	20 MHz
Modulation	QPSK	Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 99	Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1 dB
ERP/ EIRP measurement	+/- 3 dB
	+/- 3 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	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

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

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Radio Communication Analyser	Anritsu	MT8821C	6262044732	12/29/2021	12/28/2022
Splitter	Woken	DOM35LW1A2	RF258	11/18/2021	11/17/2022

### 6.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	10/19/2021	10/18/2022
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	11/12/2021	11/11/2022
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	Schwarzbeck	BBHA9170	185	08/06/2021	08/05/2022
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/06/2022	01/05/2023
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/31/2022	05/30/2023
3m Site NSA	SGS	966 chamber D	N/A	07/12/2021	07/11/2022
3m Site NSA	SGS	966 chamber D	N/A	07/12/2022	07/11/2023
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/24/2022	03/23/2023
Radio Communication Analyser	Anritsu	MT8821C	6262044732	12/29/2021	12/28/2022
Test Software	audix	e3	E3 20923 SGS Ver.9 ( C )	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EM26400	971576	10/02/2021	10/01/2022
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/18/2021	11/17/2022
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/18/2021	11/17/2022
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/18/2021	11/17/2022

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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.

#### 7.1.1 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 (a)**

(3) for mobile and portable stations compliant with 3GPP LTE standards transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band are limited to 250 mW/ 5MHz EIRP but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

##### **FCC 27.50 (b)**

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

##### **FCC 27.50(c)**

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

##### **FCC 27.50(d)**

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

##### **FCC 27, 50(h)**

(2) Mobile and other user stations transmitting in the BRS and EBS bands are limited to 2 W EIRP.

##### **FCC 90.542(a)**

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

##### **FCC 90.635(b)**

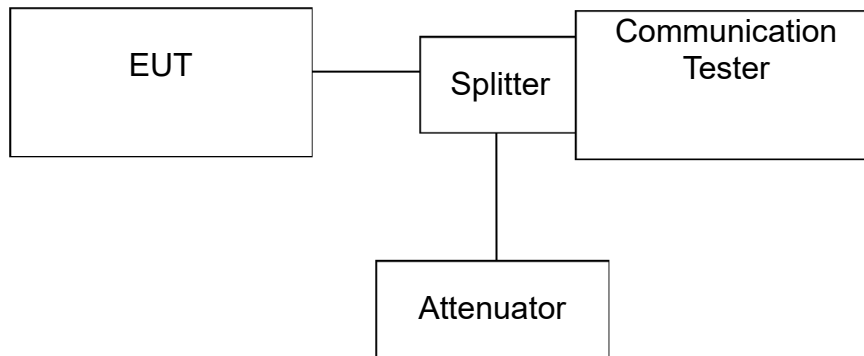
Mobile station is limited to 100W ERP

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## 7.2 Test Set-up



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

## 7.3 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.

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

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

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

According to KDB 412172 D01 Power Approach,

$$EIRP = P_T + G_T - L_C,$$

$$ERP = EIRP - 2.15,$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power (expressed in the same units as  $P_T$ , typically dBW, dBm, or power spectral density (PSD)<sup>2</sup>, relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);

$P_T$  = transmitter output power, expressed in dBW, dBm, or PSD;

$G_T$  = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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## 7.5 LTE Measurement Results:

### 7.5.1 Intra-Band

Part 22 / RSS 132 ERP Limit (W)	7
Antenna Gain	-0.64

#### OUTPUT POWER FOR LTE BAND 5B (10MHz + 5MHz)

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	ERP Average (dBm)	ERP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset				
10MHz+ 5MHz	20450	829.0	20522	836.2	QPSK	1	49	1	0	20.78	20.78	18.63	0.073
						50	0	25	0	20.71	20.69	18.54	0.071
	20500	834.0	20572	841.2	QPSK	1	49	1	0	20.62	20.62	18.47	0.070
						50	0	25	0	20.53	20.53	18.38	0.069
	20550	839.0	20622	846.2	QPSK	1	49	1	0	20.74	20.74	18.59	0.072
						50	0	25	0	20.68	20.63	18.48	0.070
10MHz+ 5MHz	20450	829.0	20522	836.2	16QAM	1	49	1	0	20.61	20.66	18.51	0.071
						50	0	25	0	20.65	20.64	18.49	0.071
	20500	834.0	20572	841.2	16QAM	1	49	1	0	20.48	20.49	18.34	0.068
						50	0	25	0	20.43	20.45	18.30	0.068
	20550	839.0	20622	846.2	16QAM	1	49	1	0	20.63	20.64	18.49	0.071
						50	0	25	0	20.60	20.57	18.42	0.070
10MHz+ 5MHz	20450	829.0	20522	836.2	64QAM	1	49	1	0	20.63	20.63	18.48	0.070
						50	0	25	0	20.62	20.64	18.49	0.071
	20500	834.0	20572	841.2	64QAM	1	49	1	0	20.41	20.44	18.29	0.067
						50	0	25	0	20.43	20.45	18.30	0.068
	20550	839.0	20622	846.2	64QAM	1	49	1	0	20.55	20.60	18.45	0.070
						50	0	25	0	20.56	20.52	18.37	0.069
10MHz+ 5MHz	20450	829.0	20522	836.2	256QAM	1	49	1	0	20.54	20.54	18.39	0.069
						50	0	25	0	20.55	20.53	18.38	0.069
	20500	834.0	20572	841.2	256QAM	1	49	1	0	20.43	20.43	18.28	0.067
						50	0	25	0	20.35	20.41	18.26	0.067
	20550	839.0	20622	846.2	256QAM	1	49	1	0	20.56	20.57	18.42	0.070
						50	0	25	0	20.51	20.46	18.31	0.068

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Part 22 / RSS 132_ ERP Limit (W)	7
Antenna Gain	-0.64

**OUTPUT POWER FOR LTE BAND 5B (10MHz + 10MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	ERP Average (dBm)	ERP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset				
10MHz+ 10MHz	20450	829.0	20549	838.9	QPSK	1	49	1	0	21.26	20.62	18.47	0.070
						50	0	50	0	21.17	20.53	18.38	0.069
	20476	831.6	20575	841.5	QPSK	1	49	1	0	21.24	20.60	18.45	0.070
						50	0	50	0	21.17	20.53	18.38	0.069
	20501	834.1	20600	844.0	QPSK	1	49	1	0	21.77	21.13	18.98	0.079
						50	0	50	0	21.71	21.07	18.92	0.078
10MHz+ 10MHz	20450	829.0	20549	838.9	16QAM	1	49	1	0	21.12	20.48	18.33	0.068
						50	0	50	0	21.09	20.45	18.30	0.068
	20476	831.6	20575	841.5	16QAM	1	49	1	0	21.11	20.47	18.32	0.068
						50	0	50	0	21.09	20.45	18.30	0.068
	20501	834.1	20600	844.0	16QAM	1	49	1	0	21.66	21.02	18.87	0.077
						50	0	50	0	21.61	20.97	18.82	0.076
10MHz+ 10MHz	20450	829.0	20549	838.9	64QAM	1	49	1	0	21.09	20.45	18.30	0.068
						50	0	50	0	21.06	20.42	18.27	0.067
	20476	831.6	20575	841.5	64QAM	1	49	1	0	21.04	20.40	18.25	0.067
						50	0	50	0	21.07	20.43	18.28	0.067
	20501	834.1	20600	844.0	64QAM	1	49	1	0	21.57	20.93	18.78	0.076
						50	0	50	0	21.57	20.93	18.78	0.076
10MHz+ 10MHz	20450	829.0	20549	838.9	256QAM	1	49	1	0	21.03	20.39	18.24	0.067
						50	0	50	0	21.01	20.37	18.22	0.066
	20476	831.6	20575	841.5	256QAM	1	49	1	0	21.01	20.37	18.22	0.066
						50	0	50	0	20.99	20.35	18.20	0.066
	20501	834.1	20600	844.0	256QAM	1	49	1	0	21.53	20.89	18.74	0.075
						50	0	50	0	21.53	20.89	18.74	0.075

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.98

**OUTPUT POWER FOR LTE BAND 7C (10MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
										Total	(dBm)	(W)
10MHz+ 20MHz	20805	2505.5	20949	2519.9	QPSK	1	49	1	0	16.23	13.25	0.021
						50	0	100	0	16.11	13.13	0.021
	21006	2525.6	21150	2540.0	QPSK	1	49	1	0	16.17	13.19	0.021
						50	0	100	0	16.07	13.09	0.020
	21206	2545.6	21350	2560.0	QPSK	1	49	1	0	16.25	<b>13.27</b>	0.021
						50	0	100	0	16.14	13.16	0.021
10MHz+ 20MHz	20805	2505.5	20949	2519.9	16QAM	1	49	1	0	16.06	13.08	0.020
						50	0	100	0	16.10	13.12	0.021
	21006	2525.6	21150	2540.0	16QAM	1	49	1	0	16.04	13.06	0.020
						50	0	100	0	16.02	13.04	0.020
	21206	2545.6	21350	2560.0	16QAM	1	49	1	0	16.14	<b>13.16</b>	0.021
						50	0	100	0	16.12	13.14	0.021
10MHz+ 20MHz	20805	2505.5	20949	2519.9	64QAM	1	49	1	0	16.05	13.07	0.020
						50	0	100	0	16.10	<b>13.12</b>	0.021
	21006	2525.6	21150	2540.0	64QAM	1	49	1	0	15.98	13.00	0.020
						50	0	100	0	15.93	12.95	0.020
	21206	2545.6	21350	2560.0	64QAM	1	49	1	0	16.08	13.10	0.020
						50	0	100	0	16.08	13.10	0.020
10MHz+ 20MHz	20805	2505.5	20949	2519.9	256QAM	1	49	1	0	16.04	<b>13.06</b>	0.020
						50	0	100	0	16.01	13.03	0.020
	21006	2525.6	21150	2540.0	256QAM	1	49	1	0	15.98	13.00	0.020
						50	0	100	0	15.95	12.97	0.020
	21206	2545.6	21350	2560.0	256QAM	1	49	1	0	16.02	13.04	0.020
						50	0	100	0	16.04	<b>13.06</b>	0.020

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.98

**OUTPUT POWER FOR LTE BAND 7C (15MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
15MHz+ 15MHz	20825	2507.5	20975	2522.5	QPSK	1	74	1	0	16.25	13.27	0.021
						75	0	75	0	16.12	13.14	0.021
	21025	2527.5	21175	2542.5	QPSK	1	74	1	0	16.42	13.44	0.022
						75	0	75	0	16.34	13.36	0.022
	21225	2547.5	21375	2562.5	QPSK	1	74	1	0	16.24	13.26	0.021
						75	0	75	0	16.11	13.13	0.021
15MHz+ 15MHz	20825	2507.5	20975	2522.5	16QAM	1	74	1	0	16.13	13.15	0.021
						75	0	75	0	16.12	13.14	0.021
	21025	2527.5	21175	2542.5	16QAM	1	74	1	0	16.28	13.30	0.021
						75	0	75	0	16.25	13.27	0.021
	21225	2547.5	21375	2562.5	16QAM	1	74	1	0	16.11	13.13	0.021
						75	0	75	0	16.07	13.09	0.020
15MHz+ 15MHz	20825	2507.5	20975	2522.5	64QAM	1	74	1	0	16.10	13.12	0.021
						75	0	75	0	16.12	13.14	0.021
	21025	2527.5	21175	2542.5	64QAM	1	74	1	0	16.24	13.26	0.021
						75	0	75	0	16.23	13.25	0.021
	21225	2547.5	21375	2562.5	64QAM	1	74	1	0	16.05	13.07	0.020
						75	0	75	0	16.01	13.03	0.020
15MHz+ 15MHz	20825	2507.5	20975	2522.5	256QAM	1	74	1	0	16.04	13.06	0.020
						75	0	75	0	16.04	13.06	0.020
	21025	2527.5	21175	2542.5	256QAM	1	74	1	0	16.22	13.24	0.021
						75	0	75	0	16.15	13.17	0.021
	21225	2547.5	21375	2562.5	256QAM	1	74	1	0	16.00	13.02	0.020
						75	0	75	0	16.03	13.05	0.020

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.98

**OUTPUT POWER FOR LTE BAND 7C (15MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Total	(dBm)	(W)
15MHz+ 20MHz	20828	2507.8	20999	2524.9	QPSK	1	74	1	0	16.15	13.17	0.021
						75	0	100	0	16.05	13.07	0.020
	21003	2525.3	21174	2542.4	QPSK	1	74	1	0	16.22	13.24	0.021
						75	0	100	0	16.13	13.15	0.021
	21179	2542.9	21350	2560.0	QPSK	1	74	1	0	16.12	13.14	0.021
						75	0	100	0	16.03	13.05	0.020
15MHz+ 20MHz	20828	2507.8	20999	2524.9	16QAM	1	74	1	0	16.01	13.03	0.020
						75	0	100	0	15.95	12.97	0.020
	21003	2525.3	21174	2542.4	16QAM	1	74	1	0	16.07	13.09	0.020
						75	0	100	0	16.05	13.07	0.020
	21179	2542.9	21350	2560.0	16QAM	1	74	1	0	15.99	13.01	0.020
						75	0	100	0	15.93	12.95	0.020
15MHz+ 20MHz	20828	2507.8	20999	2524.9	64QAM	1	74	1	0	15.96	12.98	0.020
						75	0	100	0	16.00	13.02	0.020
	21003	2525.3	21174	2542.4	64QAM	1	74	1	0	16.02	13.04	0.020
						75	0	100	0	15.99	13.01	0.020
	21179	2542.9	21350	2560.0	64QAM	1	74	1	0	15.96	12.98	0.020
						75	0	100	0	15.95	12.97	0.020
15MHz+ 20MHz	20828	2507.8	20999	2524.9	256QAM	1	74	1	0	15.92	12.94	0.020
						75	0	100	0	15.93	12.95	0.020
	21003	2525.3	21174	2542.4	256QAM	1	74	1	0	16.02	13.04	0.020
						75	0	100	0	15.95	12.97	0.020
	21179	2542.9	21350	2560.0	256QAM	1	74	1	0	15.94	12.96	0.020
						75	0	100	0	15.86	12.88	0.019

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.98

**OUTPUT POWER FOR LTE BAND 7C (20MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
										Total	(dBm)	(W)
20MHz+ 20MHz	20850	2510.0	21048	2529.8	QPSK	1	99	1	0	15.93	12.95	0.020
						100	0	100	0	15.86	12.88	0.019
	21001	2525.1	21199	2544.9	QPSK	1	99	1	0	16.16	13.18	0.021
						100	0	100	0	16.06	13.08	0.020
	21152	2540.2	21350	2560.0	QPSK	1	99	1	0	16.00	13.02	0.020
						100	0	100	0	15.93	12.95	0.020
20MHz+ 20MHz	20850	2510.0	21048	2529.8	16QAM	1	99	1	0	15.79	12.81	0.019
						100	0	100	0	15.80	12.82	0.019
	21001	2525.1	21199	2544.9	16QAM	1	99	1	0	16.02	13.04	0.020
						100	0	100	0	15.97	12.99	0.020
	21152	2540.2	21350	2560.0	16QAM	1	99	1	0	15.85	12.87	0.019
						100	0	100	0	15.80	12.82	0.019
20MHz+ 20MHz	20850	2510.0	21048	2529.8	64QAM	1	99	1	0	15.77	12.79	0.019
						100	0	100	0	15.79	12.81	0.019
	21001	2525.1	21199	2544.9	64QAM	1	99	1	0	16.01	13.03	0.020
						100	0	100	0	15.92	12.94	0.020
	21152	2540.2	21350	2560.0	64QAM	1	99	1	0	15.82	12.84	0.019
						100	0	100	0	15.78	12.80	0.019
20MHz+ 20MHz	20850	2510.0	21048	2529.8	256QAM	1	99	1	0	15.72	12.74	0.019
						100	0	100	0	15.69	12.71	0.019
	21001	2525.1	21199	2544.9	256QAM	1	99	1	0	15.90	12.92	0.020
						100	0	100	0	15.95	12.97	0.020
	21152	2540.2	21350	2560.0	256QAM	1	99	1	0	15.77	12.79	0.019
						100	0	100	0	15.76	12.78	0.019

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.33

**OUTPUT POWER FOR LTE BAND 38C (15MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted	EIRP	EIRP
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Average	Average	Average
										Total	(dBm)	(W)
15MHz+ 15MHz	37825	2577.5	37975	2592.5	QPSK	1	74	1	0	18.64	16.31	0.043
						75	0	75	0	18.54	16.21	0.042
	37925	2587.5	38075	2602.5	QPSK	1	74	1	0	18.55	16.22	0.042
						75	0	75	0	18.42	16.09	0.041
	38025	2597.5	38175	2612.5	QPSK	1	74	1	0	18.61	16.28	0.042
						75	0	75	0	18.52	16.19	0.042
15MHz+ 15MHz	37825	2577.5	37975	2592.5	16QAM	1	74	1	0	18.49	16.16	0.041
						75	0	75	0	18.46	16.13	0.041
	37925	2587.5	38075	2602.5	16QAM	1	74	1	0	18.38	16.05	0.040
						75	0	75	0	18.42	16.09	0.041
	38025	2597.5	38175	2612.5	16QAM	1	74	1	0	18.48	16.15	0.041
						75	0	75	0	18.42	16.09	0.041
15MHz+ 15MHz	37825	2577.5	37975	2592.5	64QAM	1	74	1	0	18.43	16.10	0.041
						75	0	75	0	18.50	16.17	0.041
	37925	2587.5	38075	2602.5	64QAM	1	74	1	0	18.35	16.02	0.040
						75	0	75	0	18.31	15.98	0.040
	38025	2597.5	38175	2612.5	64QAM	1	74	1	0	18.46	16.13	0.041
						75	0	75	0	18.38	16.05	0.040
15MHz+ 15MHz	37825	2577.5	37975	2592.5	256QAM	1	74	1	0	18.38	16.05	0.040
						75	0	75	0	18.42	16.09	0.041
	37925	2587.5	38075	2602.5	256QAM	1	74	1	0	18.29	15.96	0.039
						75	0	75	0	18.27	15.94	0.039
	38025	2597.5	38175	2612.5	256QAM	1	74	1	0	18.41	16.08	0.041
						75	0	75	0	18.36	16.03	0.040

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.33

**OUTPUT POWER FOR LTE BAND 38C (20MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted	EIRP	EIRP
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Average	Average	Average
										Total	(dBm)	(W)
20MHz+ 20MHz	37850	2580.0	38048	2599.8	QPSK	1	99	1	0	18.58	16.25	0.042
						100	0	100	0	18.49	16.16	0.041
	37901	2585.1	38099	2604.9	QPSK	1	99	1	0	18.63	16.30	0.043
						100	0	100	0	18.53	16.20	0.042
	37952	2590.2	38150	2610.0	QPSK	1	99	1	0	18.52	16.19	0.042
						100	0	100	0	18.39	16.06	0.040
20MHz+ 20MHz	37850	2580.0	38048	2599.8	16QAM	1	99	1	0	18.41	16.08	0.041
						100	0	100	0	18.41	16.08	0.041
	37901	2585.1	38099	2604.9	16QAM	1	99	1	0	18.53	16.20	0.042
						100	0	100	0	18.47	16.14	0.041
	37952	2590.2	38150	2610.0	16QAM	1	99	1	0	18.35	16.02	0.040
						100	0	100	0	18.37	16.04	0.040
20MHz+ 20MHz	37850	2580.0	38048	2599.8	64QAM	1	99	1	0	18.39	16.06	0.040
						100	0	100	0	18.42	16.09	0.041
	37901	2585.1	38099	2604.9	64QAM	1	99	1	0	18.47	16.14	0.041
						100	0	100	0	18.44	16.11	0.041
	37952	2590.2	38150	2610.0	64QAM	1	99	1	0	18.31	15.98	0.040
						100	0	100	0	18.32	15.99	0.040
20MHz+ 20MHz	37850	2580.0	38048	2599.8	256QAM	1	99	1	0	18.33	16.00	0.040
						100	0	100	0	18.33	16.00	0.040
	37901	2585.1	38099	2604.9	256QAM	1	99	1	0	18.37	16.04	0.040
						100	0	100	0	18.35	16.02	0.040
	37952	2590.2	38150	2610.0	256QAM	1	99	1	0	18.31	15.98	0.040
						100	0	100	0	18.26	15.93	0.039

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.86

**OUTPUT POWER FOR LTE BAND 41C (5MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
5MHz+ 20MHz	39683	2499.3	39800	2511.0	QPSK	1	24	1	0	20.82	17.96	0.063
						25	0	100	0	20.71	17.85	0.061
	40528	2583.8	40645	2595.5	QPSK	1	24	1	0	20.78	17.92	0.062
						25	0	100	0	20.69	17.83	0.061
	41373	2668.3	41490	2680.0	QPSK	1	24	1	0	20.80	17.94	0.062
						25	0	100	0	20.70	17.84	0.061
5MHz+ 20MHz	39683	2499.3	39800	2511.0	16QAM	1	24	1	0	20.71	17.85	0.061
						25	0	100	0	20.65	17.79	0.060
	40528	2583.8	40645	2595.5	16QAM	1	24	1	0	20.67	17.81	0.060
						25	0	100	0	20.61	17.75	0.060
	41373	2668.3	41490	2680.0	16QAM	1	24	1	0	20.65	17.79	0.060
						25	0	100	0	20.60	17.74	0.059
5MHz+ 20MHz	39683	2499.3	39800	2511.0	64QAM	1	24	1	0	20.68	17.82	0.061
						25	0	100	0	20.68	17.82	0.061
	40528	2583.8	40645	2595.5	64QAM	1	24	1	0	20.59	17.73	0.059
						25	0	100	0	20.56	17.70	0.059
	41373	2668.3	41490	2680.0	64QAM	1	24	1	0	20.60	17.74	0.059
						25	0	100	0	20.60	17.74	0.059
5MHz+ 20MHz	39683	2499.3	39800	2511.0	256QAM	1	24	1	0	20.61	17.75	0.060
						25	0	100	0	20.59	17.73	0.059
	40528	2583.8	40645	2595.5	256QAM	1	24	1	0	20.53	17.67	0.058
						25	0	100	0	20.50	17.64	0.058
	41373	2668.3	41490	2680.0	256QAM	1	24	1	0	20.56	17.70	0.059
						25	0	100	0	20.54	17.68	0.059

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.86

**OUTPUT POWER FOR LTE BAND 41C (10MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
10MHz+ 20MHz	39705	2501.5	39849	2515.9	QPSK	1	49	1	0	20.76	17.90	0.062
						50	0	100	0	20.70	17.84	0.061
	40526	2583.6	40670	2598.0	QPSK	1	49	1	0	20.83	17.97	0.063
						50	0	100	0	20.75	17.89	0.062
	41346	2665.6	41490	2680.0	QPSK	1	49	1	0	20.85	<b>17.99</b>	0.063
						50	0	100	0	20.77	17.91	0.062
10MHz+ 20MHz	39705	2501.5	39849	2515.9	16QAM	1	49	1	0	20.62	17.76	0.060
						50	0	100	0	20.56	17.70	0.059
	40526	2583.6	40670	2598.0	16QAM	1	49	1	0	20.72	<b>17.86</b>	0.061
						50	0	100	0	20.70	17.84	0.061
	41346	2665.6	41490	2680.0	16QAM	1	49	1	0	20.68	17.82	0.061
						50	0	100	0	20.70	17.84	0.061
10MHz+ 20MHz	39705	2501.5	39849	2515.9	64QAM	1	49	1	0	20.55	17.69	0.059
						50	0	100	0	20.59	17.73	0.059
	40526	2583.6	40670	2598.0	64QAM	1	49	1	0	20.65	17.79	0.060
						50	0	100	0	20.61	17.75	0.060
	41346	2665.6	41490	2680.0	64QAM	1	49	1	0	20.71	<b>17.85</b>	0.061
						50	0	100	0	20.66	17.80	0.060
10MHz+ 20MHz	39705	2501.5	39849	2515.9	256QAM	1	49	1	0	20.50	17.64	0.058
						50	0	100	0	20.51	17.65	0.058
	40526	2583.6	40670	2598.0	256QAM	1	49	1	0	20.60	17.74	0.059
						50	0	100	0	20.62	17.76	0.060
	41346	2665.6	41490	2680.0	256QAM	1	49	1	0	20.67	<b>17.81</b>	0.060
						50	0	100	0	20.62	17.76	0.060

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.86

**OUTPUT POWER FOR LTE BAND 41C (15MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
15MHz+ 15MHz	39725	2503.5	39875	2518.5	QPSK	1	74	1	0	20.83	17.97	0.063
						75	0	75	0	20.72	17.86	0.061
	40545	2585.5	40695	2600.5	QPSK	1	74	1	0	20.83	17.97	0.063
						75	0	75	0	20.74	17.88	0.061
	41365	2667.5	41515	2682.5	QPSK	1	74	1	0	20.81	17.95	0.062
						75	0	75	0	20.68	17.82	0.061
15MHz+ 15MHz	39725	2503.5	39875	2518.5	16QAM	1	74	1	0	20.69	17.83	0.061
						75	0	75	0	20.67	17.81	0.060
	40545	2585.5	40695	2600.5	16QAM	1	74	1	0	20.73	17.87	0.061
						75	0	75	0	20.69	17.83	0.061
	41365	2667.5	41515	2682.5	16QAM	1	74	1	0	20.70	17.84	0.061
						75	0	75	0	20.65	17.79	0.060
15MHz+ 15MHz	39725	2503.5	39875	2518.5	64QAM	1	74	1	0	20.65	17.79	0.060
						75	0	75	0	20.66	17.80	0.060
	40545	2585.5	40695	2600.5	64QAM	1	74	1	0	20.69	17.83	0.061
						75	0	75	0	20.66	17.80	0.060
	41365	2667.5	41515	2682.5	64QAM	1	74	1	0	20.67	17.81	0.060
						75	0	75	0	20.63	17.77	0.060
15MHz+ 15MHz	39725	2503.5	39875	2518.5	256QAM	1	74	1	0	20.62	17.76	0.060
						75	0	75	0	20.58	17.72	0.059
	40545	2585.5	40695	2600.5	256QAM	1	74	1	0	20.58	17.72	0.059
						75	0	75	0	20.56	17.70	0.059
	41365	2667.5	41515	2682.5	256QAM	1	74	1	0	20.60	17.74	0.059
						75	0	75	0	20.59	17.73	0.059

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.86

**OUTPUT POWER FOR LTE BAND 41C (15MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
										Total	(dBm)	(W)
15MHz+ 20MHz	39728	2503.8	39899	2520.9	QPSK	1	74	1	0	20.84	17.98	0.063
						75	0	100	0	20.76	17.90	0.062
	40523	2583.3	40694	2600.4	QPSK	1	74	1	0	20.82	17.96	0.063
						75	0	100	0	20.76	17.90	0.062
	41319	2662.9	41490	2680.0	QPSK	1	74	1	0	20.78	17.92	0.062
						75	0	100	0	20.69	17.83	0.061
15MHz+ 20MHz	39728	2503.8	39899	2520.9	16QAM	1	74	1	0	20.71	17.85	0.061
						75	0	100	0	20.70	17.84	0.061
	40523	2583.3	40694	2600.4	16QAM	1	74	1	0	20.71	17.85	0.061
						75	0	100	0	20.67	17.81	0.060
	41319	2662.9	41490	2680.0	16QAM	1	74	1	0	20.63	17.77	0.060
						75	0	100	0	20.63	17.77	0.060
15MHz+ 20MHz	39728	2503.8	39899	2520.9	64QAM	1	74	1	0	20.67	17.81	0.060
						75	0	100	0	20.69	17.83	0.061
	40523	2583.3	40694	2600.4	64QAM	1	74	1	0	20.68	17.82	0.061
						75	0	100	0	20.63	17.77	0.060
	41319	2662.9	41490	2680.0	64QAM	1	74	1	0	20.60	17.74	0.059
						75	0	100	0	20.58	17.72	0.059
15MHz+ 20MHz	39728	2503.8	39899	2520.9	256QAM	1	74	1	0	20.63	17.77	0.060
						75	0	100	0	20.56	17.70	0.059
	40523	2583.3	40694	2600.4	256QAM	1	74	1	0	20.63	17.77	0.060
						75	0	100	0	20.59	17.73	0.059
	41319	2662.9	41490	2680.0	256QAM	1	74	1	0	20.55	17.69	0.059
						75	0	100	0	20.54	17.68	0.059

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Part 27 / RSS 199_ EIRP Limit (W)	2
Antenna Gain	-2.86

**OUTPUT POWER FOR LTE BAND 41 (20MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Total	(dBm)	(W)
20MHz+ 20MHz	39750	2506.0	39948	2525.8	QPSK	1	99	1	0	20.86	<b>18.00</b>	0.063
						100	0	100	0	20.76	17.90	0.062
	40521	2583.1	40719	2602.9	QPSK	1	99	1	0	20.81	17.95	0.062
						100	0	100	0	20.69	17.83	0.061
	41292	2660.2	41490	2680.0	QPSK	1	99	1	0	20.83	17.97	0.063
						100	0	100	0	20.72	17.86	0.061
20MHz+ 20MHz	39750	2506.0	39948	2525.8	16QAM	1	99	1	0	20.72	<b>17.86</b>	0.061
						100	0	100	0	20.68	17.82	0.061
	40521	2583.1	40719	2602.9	16QAM	1	99	1	0	20.69	17.83	0.061
						100	0	100	0	20.65	17.79	0.060
	41292	2660.2	41490	2680.0	16QAM	1	99	1	0	20.70	17.84	0.061
						100	0	100	0	20.64	17.78	0.060
20MHz+ 20MHz	39750	2506.0	39948	2525.8	64QAM	1	99	1	0	20.71	<b>17.85</b>	0.061
						100	0	100	0	20.68	17.82	0.061
	40521	2583.1	40719	2602.9	64QAM	1	99	1	0	20.60	17.74	0.059
						100	0	100	0	20.61	17.75	0.060
	41292	2660.2	41490	2680.0	64QAM	1	99	1	0	20.62	17.76	0.060
						100	0	100	0	20.63	17.77	0.060
20MHz+ 20MHz	39750	2506.0	39948	2525.8	256QAM	1	99	1	0	20.67	<b>17.81</b>	0.060
						100	0	100	0	20.59	17.73	0.059
	40521	2583.1	40719	2602.9	256QAM	1	99	1	0	20.56	17.70	0.059
						100	0	100	0	20.57	17.71	0.059
	41292	2660.2	41490	2680.0	256QAM	1	99	1	0	20.62	17.76	0.060
						100	0	100	0	20.61	17.75	0.060

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66B (5MHz + 5MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average	
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset				
										Total	(dBm)	(W)	
5MHz+5MHz	131997	1712.5	132045	1717.3	QPSK	1	24	1	0	17.21	16.58	0.045	
						25	0	25	0	17.11	16.48	0.044	
	132398	1752.6	132446	1757.4	QPSK	1	24	1	0	17.26	16.63	0.046	
						25	0	25	0	17.18	16.55	0.045	
	132599	1772.7	132647	1777.5	QPSK	1	24	1	0	17.24	16.61	0.046	
						25	0	25	0	17.14	16.51	0.045	
	5MHz+5MHz	131997	1712.5	132045	1717.3	16QAM	1	24	1	0	17.11	16.48	0.044
							25	0	25	0	17.01	16.38	0.043
132398		1752.6	132446	1757.4	16QAM	1	24	1	0	17.16	16.53	0.045	
						25	0	25	0	17.10	16.47	0.044	
132599		1772.7	132647	1777.5	16QAM	1	24	1	0	17.12	16.49	0.045	
						25	0	25	0	17.09	16.46	0.044	
5MHz+5MHz		131997	1712.5	132045	1717.3	64QAM	1	24	1	0	17.06	16.43	0.044
							25	0	25	0	17.08	16.45	0.044
	132398	1752.6	132446	1757.4	64QAM	1	24	1	0	17.11	16.48	0.044	
						25	0	25	0	17.05	16.42	0.044	
	132599	1772.7	132647	1777.5	64QAM	1	24	1	0	17.05	16.42	0.044	
						25	0	25	0	17.04	16.41	0.044	
	5MHz+5MHz	131997	1712.5	132045	1717.3	256QAM	1	24	1	0	16.95	16.32	0.043
							25	0	25	0	16.99	16.36	0.043
132398		1752.6	132446	1757.4	256QAM	1	24	1	0	17.02	16.39	0.044	
						25	0	25	0	17.01	16.38	0.043	
132599		1772.7	132647	1777.5	256QAM	1	24	1	0	17.07	16.44	0.044	
						25	0	25	0	17.03	16.40	0.044	

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66B (5MHz + 10MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
5MHz+ 10MHz	132000	1712.8	132072	1720.0	QPSK	1	24	1	0	17.23	16.60	0.046
						25	0	50	0	17.14	16.51	0.045
	132375	1750.3	132447	1757.5	QPSK	1	24	1	0	17.28	16.65	0.046
						25	0	50	0	17.16	16.53	0.045
132550	1767.8	132622	1775.0	QPSK	1	24	1	0	17.26	16.63	0.046	
					25	0	50	0	17.15	16.52	0.045	
5MHz+ 10MHz	132000	1712.8	132072	1720.0	16QAM	1	24	1	0	17.11	16.48	0.044
						25	0	50	0	17.04	16.41	0.044
	132375	1750.3	132447	1757.5	16QAM	1	24	1	0	17.16	16.53	0.045
						25	0	50	0	17.12	16.49	0.045
132550	1767.8	132622	1775.0	16QAM	1	24	1	0	17.10	16.47	0.044	
					25	0	50	0	17.10	16.47	0.044	
5MHz+ 10MHz	132000	1712.8	132072	1720.0	64QAM	1	24	1	0	17.08	16.45	0.044
						25	0	50	0	17.07	16.44	0.044
	132375	1750.3	132447	1757.5	64QAM	1	24	1	0	17.09	16.46	0.044
						25	0	50	0	17.07	16.44	0.044
132550	1767.8	132622	1775.0	64QAM	1	24	1	0	17.09	16.46	0.044	
					25	0	50	0	17.06	16.43	0.044	
5MHz+ 10MHz	132000	1712.8	132072	1720.0	256QAM	1	24	1	0	17.02	16.39	0.044
						25	0	50	0	16.96	16.33	0.043
	132375	1750.3	132447	1757.5	256QAM	1	24	1	0	17.05	16.42	0.044
						25	0	50	0	17.00	16.37	0.043
132550	1767.8	132622	1775.0	256QAM	1	24	1	0	17.06	16.43	0.044	
					25	0	50	0	17.04	16.41	0.044	

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66B (5MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
										Total	(dBm)	(W)
5MHz+ 15MHz	132002	1713.0	132095	1722.3	QPSK	1	24	1	0	17.23	16.60	0.046
						25	0	75	0	17.14	16.51	0.045
	132353	1748.1	132446	1757.4	QPSK	1	24	1	0	17.29	16.66	0.046
						25	0	75	0	17.18	16.55	0.045
	132504	1763.2	132597	1772.5	QPSK	1	24	1	0	17.26	16.63	0.046
						25	0	75	0	17.14	16.51	0.045
5MHz+ 15MHz	132002	1713.0	132095	1722.3	16QAM	1	24	1	0	17.07	16.44	0.044
						25	0	75	0	17.08	16.45	0.044
	132353	1748.1	132446	1757.4	16QAM	1	24	1	0	17.15	16.52	0.045
						25	0	75	0	17.13	16.50	0.045
	132504	1763.2	132597	1772.5	16QAM	1	24	1	0	17.14	16.51	0.045
						25	0	75	0	17.11	16.48	0.044
5MHz+ 15MHz	132002	1713.0	132095	1722.3	64QAM	1	24	1	0	17.09	16.46	0.044
						25	0	75	0	17.03	16.40	0.044
	132353	1748.1	132446	1757.4	64QAM	1	24	1	0	17.14	16.51	0.045
						25	0	75	0	17.07	16.44	0.044
	132504	1763.2	132597	1772.5	64QAM	1	24	1	0	17.09	16.46	0.044
						25	0	75	0	17.07	16.44	0.044
5MHz+ 15MHz	132002	1713.0	132095	1722.3	256QAM	1	24	1	0	17.02	16.39	0.044
						25	0	75	0	17.02	16.39	0.044
	132353	1748.1	132446	1757.4	256QAM	1	24	1	0	17.09	16.46	0.044
						25	0	75	0	17.04	16.41	0.044
	132504	1763.2	132597	1772.5	256QAM	1	24	1	0	17.07	16.44	0.044
						25	0	75	0	16.99	16.36	0.043

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66B (10MHz + 10MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
										Total	(dBm)	(W)
10MHz+ 10MHz	132022	1715.0	132121	1724.9	QPSK	1	49	1	0	17.26	16.63	0.046
						50	0	50	0	17.19	16.56	0.045
	132373	1750.1	132472	1760.0	QPSK	1	49	1	0	17.30	16.67	0.046
						50	0	50	0	17.23	16.60	0.046
	132523	1765.1	132622	1775.0	QPSK	1	49	1	0	17.24	16.61	0.046
						50	0	50	0	17.14	16.51	0.045
10MHz+ 10MHz	132022	1715.0	132121	1724.9	16QAM	1	49	1	0	17.12	16.49	0.045
						50	0	50	0	17.06	16.43	0.044
	132373	1750.1	132472	1760.0	16QAM	1	49	1	0	17.13	16.50	0.045
						50	0	50	0	17.17	16.54	0.045
	132523	1765.1	132622	1775.0	16QAM	1	49	1	0	17.13	16.50	0.045
						50	0	50	0	17.09	16.46	0.044
10MHz+ 10MHz	132022	1715.0	132121	1724.9	64QAM	1	49	1	0	17.12	16.49	0.045
						50	0	50	0	17.10	16.47	0.044
	132373	1750.1	132472	1760.0	64QAM	1	49	1	0	17.10	16.47	0.044
						50	0	50	0	17.08	16.45	0.044
	132523	1765.1	132622	1775.0	64QAM	1	49	1	0	17.03	16.40	0.044
						50	0	50	0	17.03	16.40	0.044
10MHz+ 10MHz	132022	1715.0	132121	1724.9	256QAM	1	49	1	0	17.03	16.40	0.044
						50	0	50	0	17.03	16.40	0.044
	132373	1750.1	132472	1760.0	256QAM	1	49	1	0	17.07	16.44	0.044
						50	0	50	0	17.04	16.41	0.044
	132523	1765.1	132622	1775.0	256QAM	1	49	1	0	17.02	16.39	0.044
						50	0	50	0	16.96	16.33	0.043

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Part 27 / RSS 139_EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66C (10MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
10MHz+ 15MHz	132025	1715.3	132145	1727.3	QPSK	1	49	1	0	17.01	14.15	0.026
						50	0	75	0	16.92	14.06	0.025
	132351	1747.9	132471	1759.9	QPSK	1	49	1	0	17.17	14.31	0.027
						50	0	75	0	17.11	14.25	0.027
	132477	1760.5	132597	1772.5	QPSK	1	49	1	0	17.14	14.28	0.027
						50	0	75	0	17.07	14.21	0.026
10MHz+ 15MHz	132025	1715.3	132145	1727.3	16QAM	1	49	1	0	16.85	13.99	0.025
						50	0	75	0	16.83	13.97	0.025
	132351	1747.9	132471	1759.9	16QAM	1	49	1	0	17.04	14.18	0.026
						50	0	75	0	16.99	14.13	0.026
	132477	1760.5	132597	1772.5	16QAM	1	49	1	0	16.97	14.11	0.026
						50	0	75	0	17.00	14.14	0.026
10MHz+ 15MHz	132025	1715.3	132145	1727.3	64QAM	1	49	1	0	16.81	13.95	0.025
						50	0	75	0	16.84	13.98	0.025
	132351	1747.9	132471	1759.9	64QAM	1	49	1	0	17.01	14.15	0.026
						50	0	75	0	16.95	14.09	0.026
	132477	1760.5	132597	1772.5	64QAM	1	49	1	0	16.93	14.07	0.026
						50	0	75	0	16.92	14.06	0.025
10MHz+ 15MHz	132025	1715.3	132145	1727.3	256QAM	1	49	1	0	16.80	13.94	0.025
						50	0	75	0	16.80	13.94	0.025
	132351	1747.9	132471	1759.9	256QAM	1	49	1	0	16.94	14.08	0.026
						50	0	75	0	16.91	14.05	0.025
	132477	1760.5	132597	1772.5	256QAM	1	49	1	0	16.93	14.07	0.026
						50	0	75	0	16.93	14.07	0.026

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Part 27 / RSS 139_EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66C (20MHz + 5MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducte d Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
20MHz+ 5MHz	132072	1720.0	132189	1731.7	QPSK	1	99	1	0	17.23	14.37	0.027
						100	0	25	0	17.10	14.24	0.027
	132397	1752.5	132514	1764.2	QPSK	1	99	1	0	17.18	14.32	0.027
						100	0	25	0	17.06	14.20	0.026
	132522	1765.0	132639	1776.7	QPSK	1	99	1	0	17.22	14.36	0.027
						100	0	25	0	17.16	14.30	0.027
20MHz+ 5MHz	132072	1720.0	132189	1731.7	16QAM	1	99	1	0	17.12	14.26	0.027
						100	0	25	0	17.05	14.19	0.026
	132397	1752.5	132514	1764.2	16QAM	1	99	1	0	17.04	14.18	0.026
						100	0	25	0	17.02	14.16	0.026
	132522	1765.0	132639	1776.7	16QAM	1	99	1	0	17.07	14.21	0.026
						100	0	25	0	17.04	14.18	0.026
20MHz+ 5MHz	132072	1720.0	132189	1731.7	64QAM	1	99	1	0	17.09	14.23	0.026
						100	0	25	0	17.08	14.22	0.026
	132397	1752.5	132514	1764.2	64QAM	1	99	1	0	16.98	14.12	0.026
						100	0	25	0	16.98	14.12	0.026
	132522	1765.0	132639	1776.7	64QAM	1	99	1	0	17.08	14.22	0.026
						100	0	25	0	16.99	14.13	0.026
20MHz+ 5MHz	132072	1720.0	132189	1731.7	256QAM	1	99	1	0	16.97	14.11	0.026
						100	0	25	0	16.98	14.12	0.026
	132397	1752.5	132514	1764.2	256QAM	1	99	1	0	16.96	14.10	0.026
						100	0	25	0	16.96	14.10	0.026
	132522	1765.0	132639	1776.7	256QAM	1	99	1	0	16.99	14.13	0.026
						100	0	25	0	16.99	14.13	0.026

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66C (15MHz + 15MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average Total	EIRP Average (dBm)	EIRP Average (W)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset			
15MHz+ 15MHz	132047	1717.5	132197	1732.5	QPSK	1	74	1	0	17.22	14.36	0.027
						75	0	75	0	17.15	14.29	0.027
	132347	1747.5	132497	1762.5	QPSK	1	74	1	0	17.17	14.31	0.027
						75	0	75	0	17.07	14.21	0.026
	132447	1757.5	132597	1772.5	QPSK	1	74	1	0	17.21	14.35	0.027
						75	0	75	0	17.12	14.26	0.027
15MHz+ 15MHz	132047	1717.5	132197	1732.5	16QAM	1	74	1	0	17.09	14.23	0.026
						75	0	75	0	17.04	14.18	0.026
	132347	1747.5	132497	1762.5	16QAM	1	74	1	0	17.07	14.21	0.026
						75	0	75	0	17.02	14.16	0.026
	132447	1757.5	132597	1772.5	16QAM	1	74	1	0	17.09	14.23	0.026
						75	0	75	0	17.07	14.21	0.026
15MHz+ 15MHz	132047	1717.5	132197	1732.5	64QAM	1	74	1	0	17.02	14.16	0.026
						75	0	75	0	17.09	14.23	0.027
	132347	1747.5	132497	1762.5	64QAM	1	74	1	0	16.96	14.10	0.026
						75	0	75	0	16.99	14.13	0.026
	132447	1757.5	132597	1772.5	64QAM	1	74	1	0	17.07	14.21	0.026
						75	0	75	0	17.01	14.15	0.026
15MHz+ 15MHz	132047	1717.5	132197	1732.5	256QAM	1	74	1	0	16.99	14.13	0.026
						75	0	75	0	16.96	14.10	0.026
	132347	1747.5	132497	1762.5	256QAM	1	74	1	0	16.94	14.08	0.026
						75	0	75	0	16.92	14.06	0.025
	132447	1757.5	132597	1772.5	256QAM	1	74	1	0	17.00	14.14	0.026
						75	0	75	0	16.95	14.09	0.026

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Part 27 / RSS 139_ EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66C (15MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average	EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Total	(dBm)	(W)
15MHz+ 20MHz	132050	1717.8	132221	1734.9	QPSK	1	74	1	0	17.19	14.33	0.027
						75	0	100	0	17.08	14.22	0.026
	132325	1745.3	132496	1762.4	QPSK	1	74	1	0	17.06	14.20	0.026
						75	0	100	0	16.96	14.10	0.026
	132401	1752.9	132572	1770.0	QPSK	1	74	1	0	17.14	14.28	0.027
						75	0	100	0	17.07	14.21	0.026
15MHz+ 20MHz	132050	1717.8	132221	1734.9	16QAM	1	74	1	0	17.06	14.20	0.026
						75	0	100	0	16.99	14.13	0.026
	132325	1745.3	132496	1762.4	16QAM	1	74	1	0	16.91	14.05	0.025
						75	0	100	0	16.89	14.03	0.025
	132401	1752.9	132572	1770.0	16QAM	1	74	1	0	16.98	14.12	0.026
						75	0	100	0	16.97	14.11	0.026
15MHz+ 20MHz	132050	1717.8	132221	1734.9	64QAM	1	74	1	0	17.03	14.17	0.026
						75	0	100	0	17.00	14.14	0.026
	132325	1745.3	132496	1762.4	64QAM	1	74	1	0	16.88	14.02	0.025
						75	0	100	0	16.86	14.00	0.025
	132401	1752.9	132572	1770.0	64QAM	1	74	1	0	16.97	14.11	0.026
						75	0	100	0	16.92	14.06	0.025
15MHz+ 20MHz	132050	1717.8	132221	1734.9	256QAM	1	74	1	0	16.93	14.07	0.026
						75	0	100	0	16.92	14.06	0.025
	132325	1745.3	132496	1762.4	256QAM	1	74	1	0	16.86	14.00	0.025
						75	0	100	0	16.79	13.93	0.025
	132401	1752.9	132572	1770.0	256QAM	1	74	1	0	16.93	14.07	0.026
						75	0	100	0	16.92	14.06	0.025

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Part 27 / RSS 139_EIRP Limit (W)	1
Antenna Gain	-0.63

**OUTPUT POWER FOR LTE BAND 66C (20MHz + 20MHz)**

Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted	EIRP	EIRP
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	Average	Average	Average
										Total	(dBm)	(W)
20MHz+ 20MHz	132072	1720.0	132270	1739.8	QPSK	1	99	1	0	17.21	14.35	0.027
						100	0	100	0	17.11	14.25	0.027
	132323	1745.1	132521	1764.9	QPSK	1	99	1	0	17.24	14.38	0.027
						100	0	100	0	17.17	14.31	0.027
	132374	1750.2	132572	1770.0	QPSK	1	99	1	0	17.32	14.46	0.028
						100	0	100	0	17.19	14.33	0.027
20MHz+ 20MHz	132072	1720.0	132270	1739.8	16QAM	1	99	1	0	17.08	14.22	0.026
						100	0	100	0	17.03	14.17	0.026
	132323	1745.1	132521	1764.9	16QAM	1	99	1	0	17.14	14.28	0.027
						100	0	100	0	17.11	14.25	0.027
	132374	1750.2	132572	1770.0	16QAM	1	99	1	0	17.21	14.35	0.027
						100	0	100	0	17.15	14.29	0.027
20MHz+ 20MHz	132072	1720.0	132270	1739.8	64QAM	1	99	1	0	17.05	14.19	0.026
						100	0	100	0	17.04	14.18	0.026
	132323	1745.1	132521	1764.9	64QAM	1	99	1	0	17.03	14.17	0.026
						100	0	100	0	17.03	14.17	0.026
	132374	1750.2	132572	1770.0	64QAM	1	99	1	0	17.15	14.29	0.027
						100	0	100	0	17.09	14.23	0.026
20MHz+ 20MHz	132072	1720.0	132270	1739.8	256QAM	1	99	1	0	17.00	14.14	0.026
						100	0	100	0	16.94	14.08	0.026
	132323	1745.1	132521	1764.9	256QAM	1	99	1	0	17.04	14.18	0.026
						100	0	100	0	16.99	14.13	0.026
	132374	1750.2	132572	1770.0	256QAM	1	99	1	0	17.13	14.27	0.027
						100	0	100	0	17.07	14.21	0.026

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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)**

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(a)**

For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

- (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
  - (ii) By a factor of not less than  $70 + 10 \log(P)$  dB below 2288 MHz;
  - (iii) By a factor of not less than  $70 + 10 \log(P)$  dB above 2365 MHz.

#### **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.

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**FCC §27.53(m) (4) (6)**

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 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.

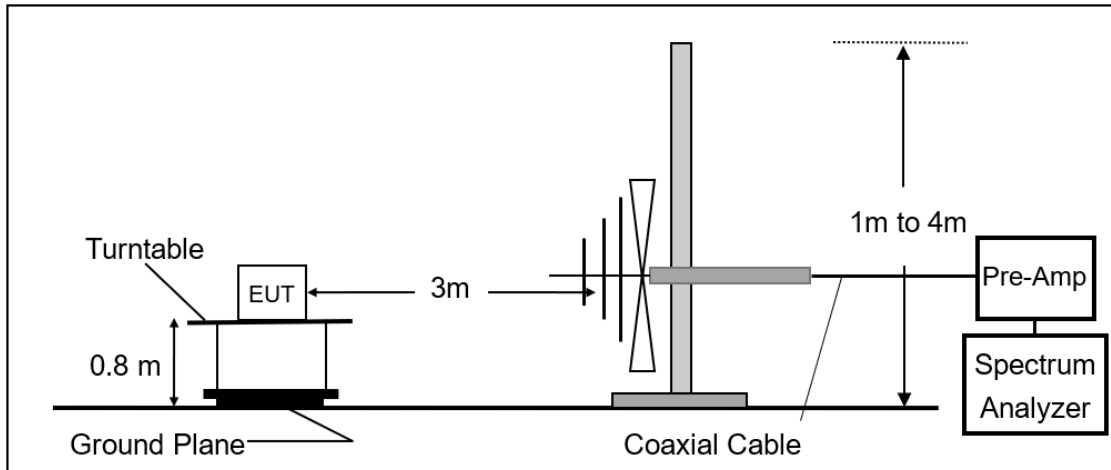
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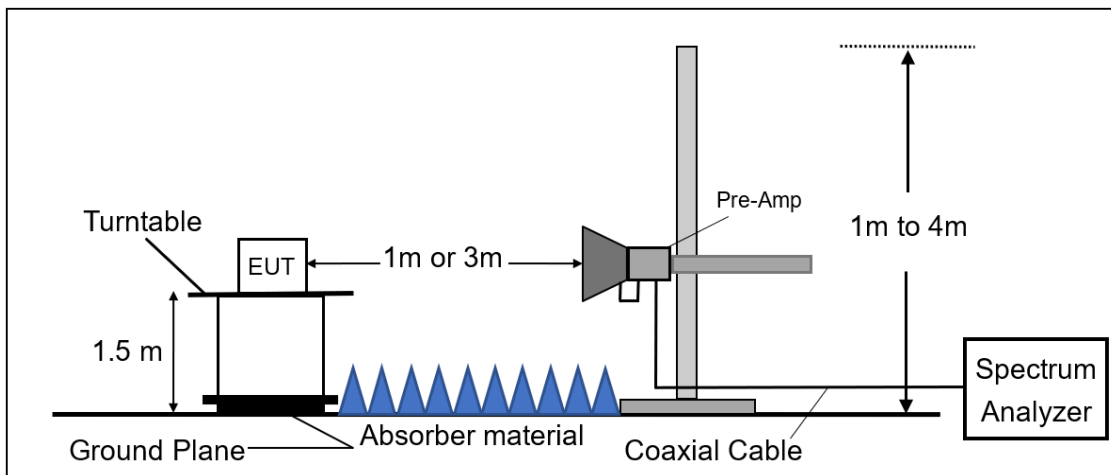
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## 8.2 EUT Setup

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.

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

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

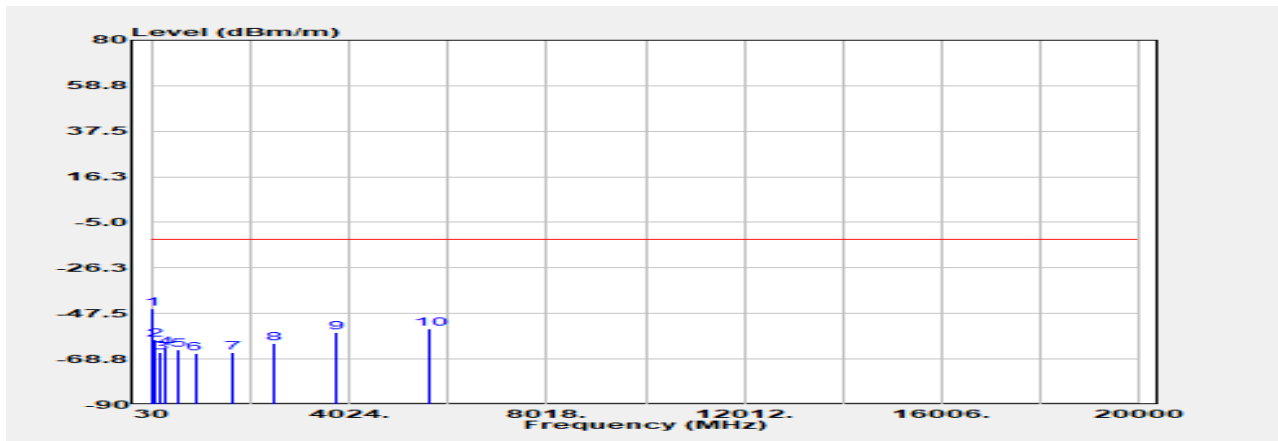
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### 8.4 Measurement Result:

Report Number	:TERF2206000813E2	Test Site	:SAC D
Operation Mode	:2A-5A	Test Date	:2022-07-22
Test Mode	:TX	Temp./Humi.	:24.5/65
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:1880 MHz+836.5 MHz	Engineer	:Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-45.38	-25.14	-19.92	-0.32	-13.00	-32.38
96.445	-59.93	-53.93	-5.43	-0.57	-13.00	-46.93
203.630	-65.79	-64.09	-0.86	-0.84	-13.00	-52.79
303.055	-63.45	-61.39	-0.97	-1.09	-13.00	-50.45
591.630	-64.45	-61.85	-1.13	-1.47	-13.00	-51.45
912.700	-66.23	-63.04	-1.29	-1.90	-13.00	-53.23
1673.000	-65.72	436.78	-500.00	-2.50	-13.00	-52.72
2509.500	-61.49	441.57	-500.00	-3.06	-13.00	-48.49
3760.000	-56.25	447.49	-500.00	-3.74	-13.00	-43.25
5640.000	-54.45	450.30	-500.00	-4.75	-13.00	-41.45

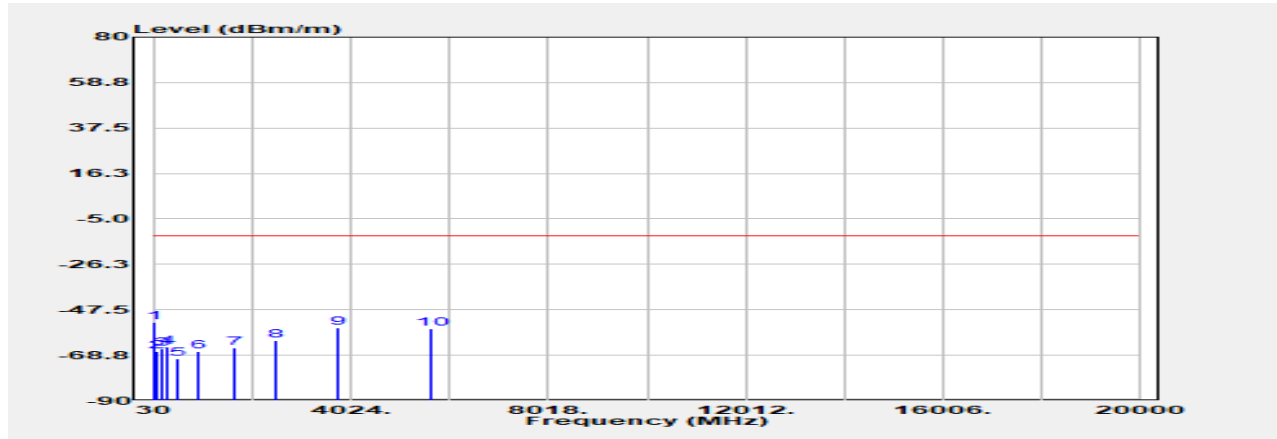
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Report Number :TERF2206000813E2  
 Operation Mode :2A-5A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+836.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-53.54	-33.92	-19.29	-0.33	-13.00	-40.54
111.480	-66.79	-59.74	-6.44	-0.61	-13.00	-53.79
218.665	-65.77	-64.82	-0.07	-0.88	-13.00	-52.77
293.355	-65.04	-62.98	-1.02	-1.04	-13.00	-52.04
501.420	-70.43	-68.25	-0.69	-1.49	-13.00	-57.43
962.655	-67.12	-63.78	-1.47	-1.87	-13.00	-54.12
1673.000	-65.43	-72.48	9.55	-2.50	-13.00	-52.43
2509.500	-61.94	-69.50	10.62	-3.06	-13.00	-48.94
3760.000	-56.02	-64.68	12.40	-3.74	-13.00	-43.02
5640.000	-56.37	-64.62	13.00	-4.75	-13.00	-43.37

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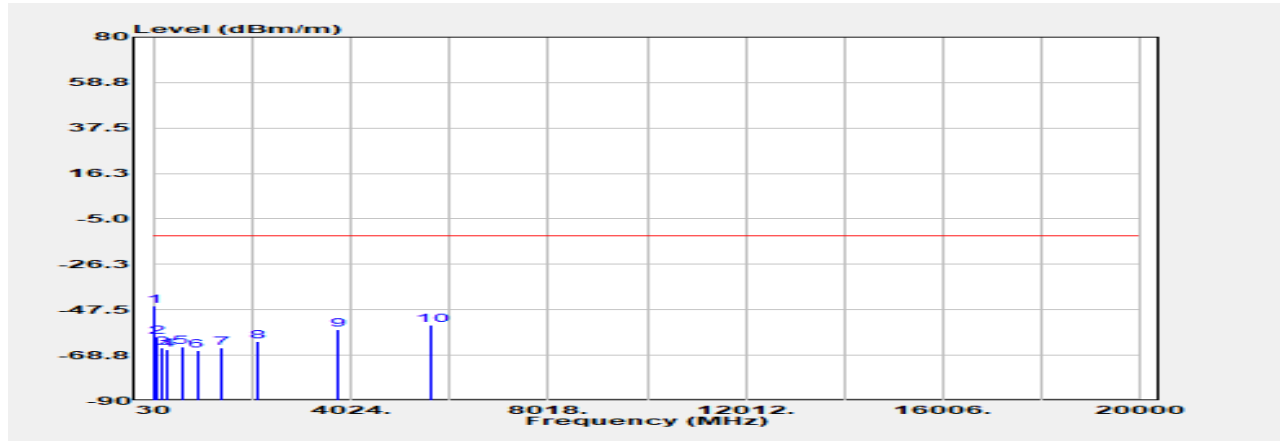
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Report Number :TERF2206000813E2  
 Operation Mode :2A-12A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+707.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-45.58	-25.34	-19.92	-0.32	-13.00	-32.58
110.995	-60.11	-53.17	-6.33	-0.61	-13.00	-47.11
204.600	-65.17	-63.51	-0.82	-0.84	-13.00	-52.17
304.995	-66.03	-63.97	-0.95	-1.11	-13.00	-53.03
599.390	-65.04	-62.55	-1.26	-1.23	-13.00	-52.04
913.185	-66.61	-63.42	-1.29	-1.90	-13.00	-53.61
1415.000	-65.14	-70.58	7.72	-2.28	-13.00	-52.14
2122.500	-62.28	-69.11	9.63	-2.80	-13.00	-49.28
3760.000	-56.64	-65.30	12.40	-3.74	-13.00	-43.64
5640.000	-54.72	-62.97	13.00	-4.75	-13.00	-41.72

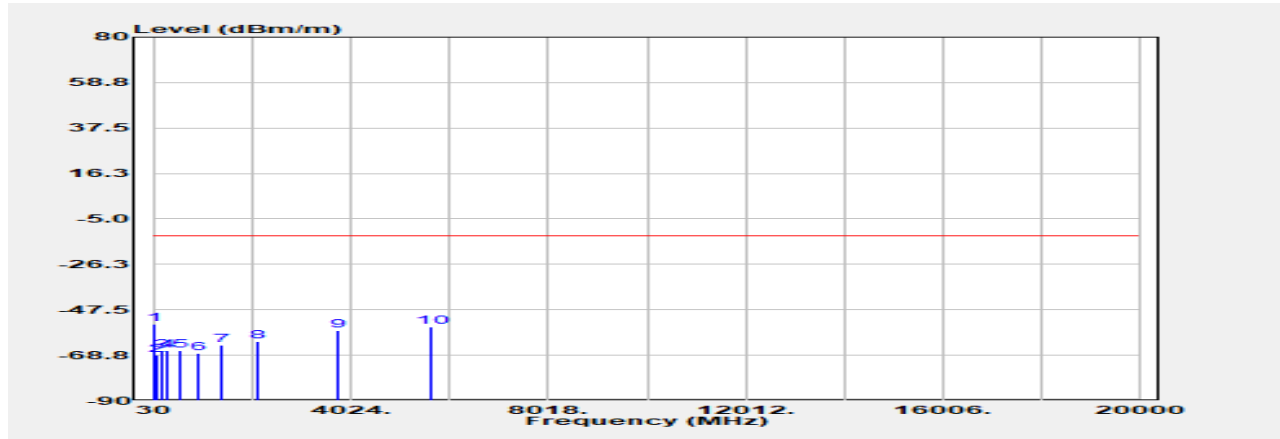
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 Operation Mode :2A-12A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+707.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.395	-54.14	-34.52	-19.29	-0.33	-13.00	-41.14
109.540	-68.58	-61.51	-6.46	-0.61	-13.00	-55.58
219.150	-66.61	-65.69	-0.04	-0.88	-13.00	-53.61
300.630	-66.60	-64.54	-0.99	-1.07	-13.00	-53.60
579.990	-66.57	-63.82	-0.97	-1.78	-13.00	-53.57
954.895	-68.02	-64.86	-1.34	-1.82	-13.00	-55.02
1415.000	-63.83	-69.27	7.72	-2.28	-13.00	-50.83
2122.500	-62.52	-69.35	9.63	-2.80	-13.00	-49.52
3760.000	-57.04	-65.70	12.40	-3.74	-13.00	-44.04
5640.000	-55.33	-63.58	13.00	-4.75	-13.00	-42.33

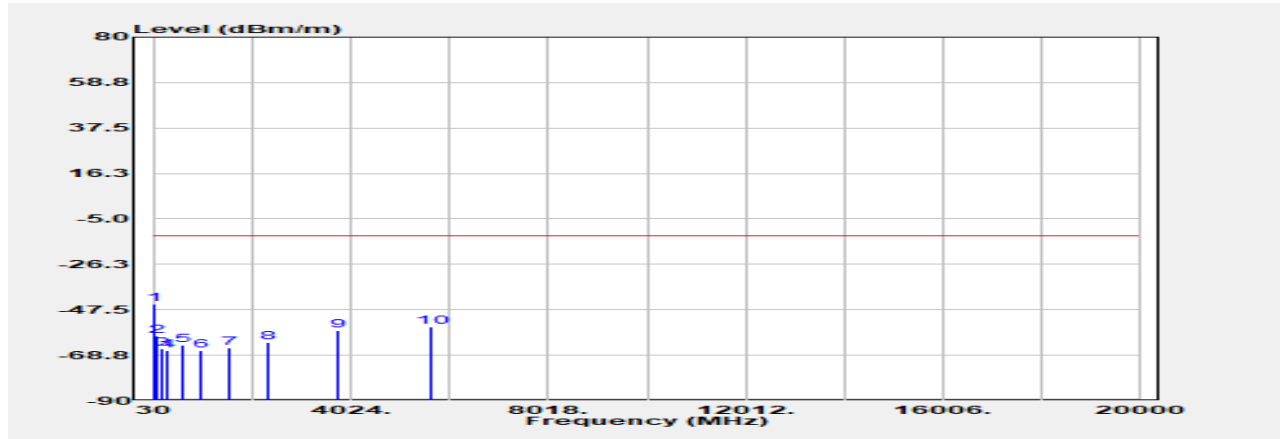
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Report Number :TERF2206000813E2  
 Operation Mode :2A-13A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+782 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-44.85	-24.79	-19.74	-0.32	-13.00	-31.85
95.475	-59.71	-53.80	-5.34	-0.57	-13.00	-46.71
205.085	-65.91	-64.27	-0.79	-0.85	-13.00	-52.91
306.935	-66.43	-64.34	-0.97	-1.12	-13.00	-53.43
600.845	-64.14	-61.64	-1.30	-1.20	-13.00	-51.14
986.905	-66.72	-63.59	-1.19	-1.94	-13.00	-53.72
1564.000	-65.17	-71.94	9.18	-2.41	-13.00	-52.17
2346.000	-62.69	-69.33	9.58	-2.94	-13.00	-49.69
3760.000	-57.07	-65.73	12.40	-3.74	-13.00	-44.07
5640.000	-55.36	-63.61	13.00	-4.75	-13.00	-42.36

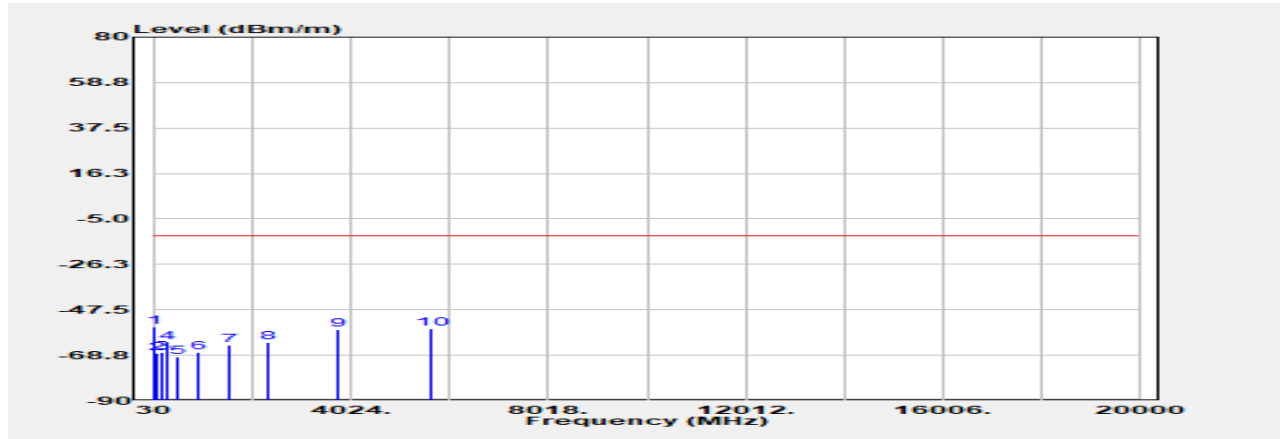
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Report Number :TERF2206000813E2  
 Operation Mode :2A-13A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+782 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-55.36	-35.62	-19.42	-0.32	-13.00	-42.36
113.905	-67.71	-60.49	-6.60	-0.62	-13.00	-54.71
223.030	-67.48	-66.78	0.19	-0.89	-13.00	-54.48
302.570	-62.92	-60.86	-0.97	-1.09	-13.00	-49.92
498.510	-69.73	-67.49	-0.69	-1.55	-13.00	-56.73
955.865	-67.46	-64.26	-1.37	-1.83	-13.00	-54.46
1564.000	-63.95	-70.72	9.18	-2.41	-13.00	-50.95
2346.000	-62.55	-69.19	9.58	-2.94	-13.00	-49.55
3760.000	-56.57	-65.23	12.40	-3.74	-13.00	-43.57
5640.000	-56.48	-64.73	13.00	-4.75	-13.00	-43.48

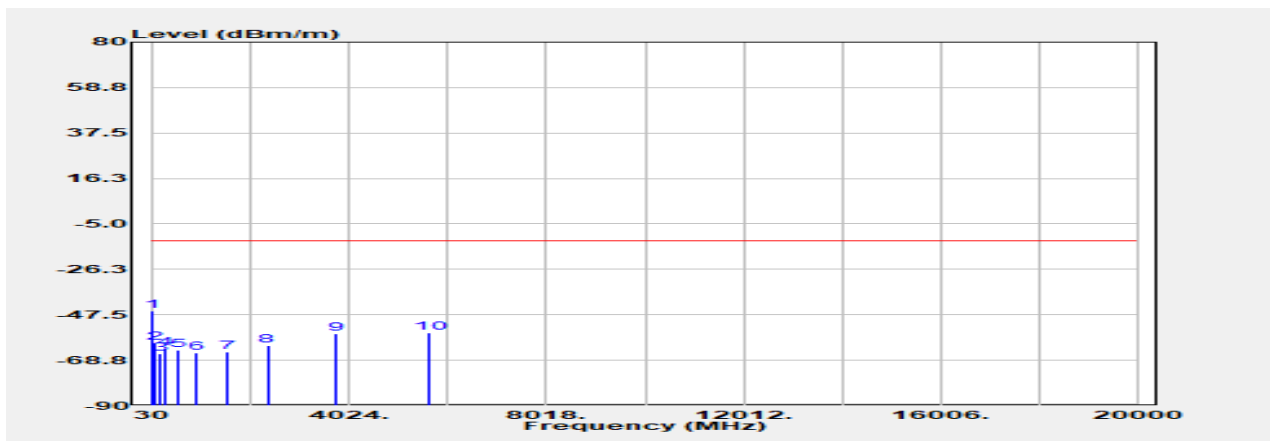
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Report Number :TERF2206000813E2  
 Operation Mode :2A-14A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+793 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-45.48	-25.42	-19.74	-0.32	-13.00	-32.48
95.475	-60.69	-54.78	-5.34	-0.57	-13.00	-47.69
204.115	-65.78	-64.10	-0.84	-0.84	-13.00	-52.78
304.995	-63.13	-61.07	-0.95	-1.11	-13.00	-50.13
589.205	-64.03	-61.39	-1.10	-1.54	-13.00	-51.03
916.580	-65.48	-62.28	-1.33	-1.87	-13.00	-52.48
1586.000	-64.98	-71.89	9.32	-2.41	-13.00	-51.98
2379.000	-62.05	-68.97	9.89	-2.97	-13.00	-49.05
3760.000	-56.36	-65.02	12.40	-3.74	-13.00	-43.36
5640.000	-55.81	-64.06	13.00	-4.75	-13.00	-42.81

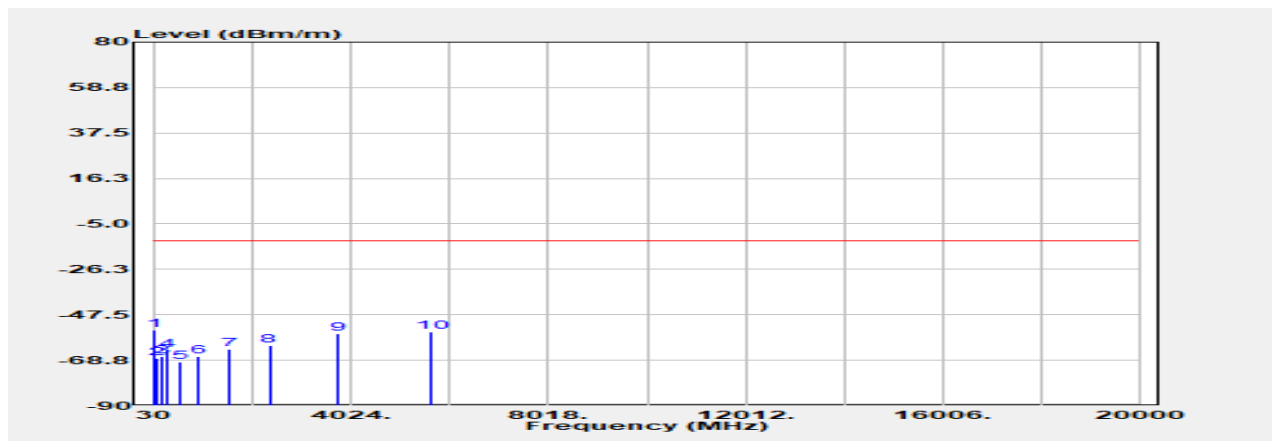
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Report Number :TERF2206000813E2  
 Operation Mode :2A-14A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1880 MHz+793 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-54.74	-35.00	-19.42	-0.32	-13.00	-41.74
114.875	-67.75	-60.42	-6.71	-0.62	-13.00	-54.75
222.545	-66.97	-66.24	0.16	-0.89	-13.00	-53.97
300.630	-63.86	-61.80	-0.99	-1.07	-13.00	-50.86
581.445	-69.55	-66.83	-0.98	-1.74	-13.00	-56.55
958.775	-66.80	-63.51	-1.45	-1.84	-13.00	-53.80
1586.000	-63.64	-70.55	9.32	-2.41	-13.00	-50.64
2379.000	-62.04	-68.96	9.89	-2.97	-13.00	-49.04
3760.000	-56.43	-65.09	12.40	-3.74	-13.00	-43.43
5640.000	-55.30	-63.55	13.00	-4.75	-13.00	-42.30

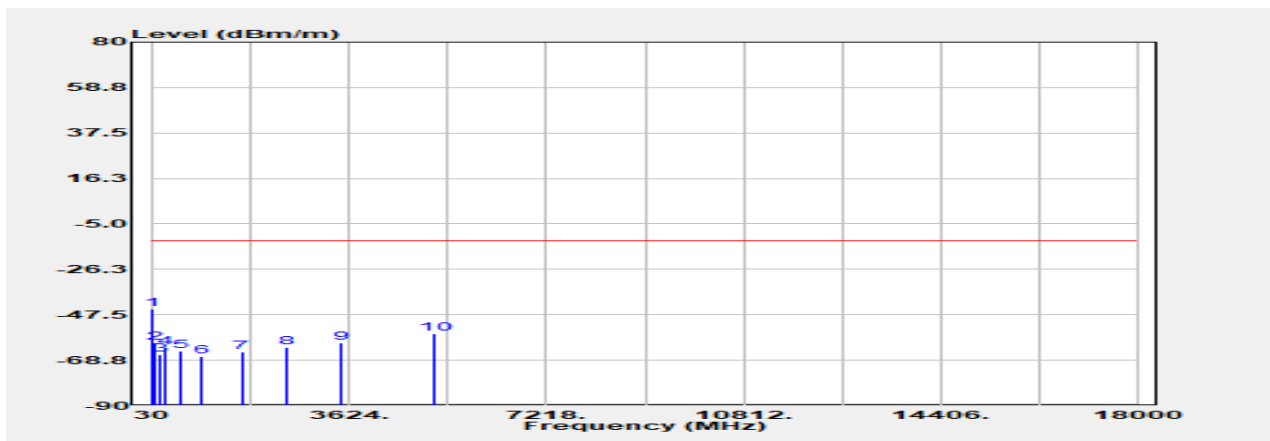
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Report Number :TERF2206000813E2  
 Operation Mode :4A-5A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+836.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-44.85	-24.97	-19.56	-0.32	-13.00	-31.85
96.445	-60.65	-54.65	-5.43	-0.57	-13.00	-47.65
203.630	-66.00	-64.30	-0.86	-0.84	-13.00	-53.00
300.145	-62.90	-60.83	-1.00	-1.07	-13.00	-49.90
585.325	-64.40	-61.75	-1.01	-1.64	-13.00	-51.40
961.685	-66.91	-63.57	-1.48	-1.86	-13.00	-53.91
1673.000	-64.83	-71.88	9.55	-2.50	-13.00	-51.83
2509.500	-62.60	-70.16	10.62	-3.06	-13.00	-49.60
3465.000	-60.73	-69.51	12.47	-3.69	-13.00	-47.73
5197.500	-56.18	-64.07	12.39	-4.50	-13.00	-43.18

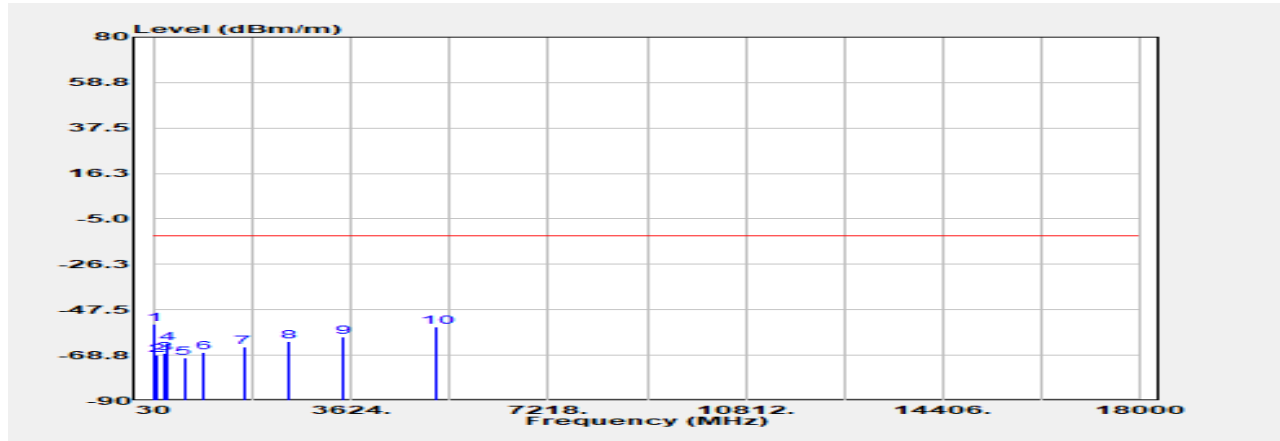
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Report Number :TERF2206000813E2  
 Operation Mode :4A-5A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+836.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-54.10	-34.48	-19.29	-0.33	-13.00	-41.10
110.510	-68.54	-61.46	-6.47	-0.61	-13.00	-55.54
220.605	-67.95	-67.12	0.05	-0.88	-13.00	-54.95
305.480	-63.19	-61.12	-0.96	-1.11	-13.00	-50.19
588.720	-70.01	-67.37	-1.09	-1.55	-13.00	-57.01
961.200	-67.55	-64.21	-1.48	-1.86	-13.00	-54.55
1673.000	-64.68	-71.73	9.55	-2.50	-13.00	-51.68
2509.500	-62.21	-69.77	10.62	-3.06	-13.00	-49.21
3465.000	-60.20	-68.98	12.47	-3.69	-13.00	-47.20
5197.500	-55.63	-63.52	12.39	-4.50	-13.00	-42.63

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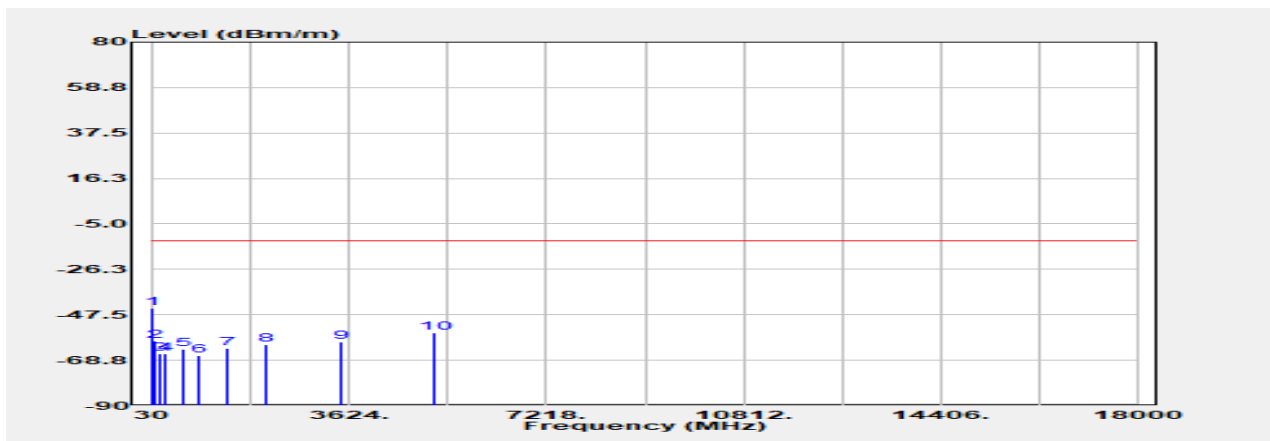
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Report Number :TERF2206000813E2  
 Operation Mode :4A-12A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+707.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-44.62	-24.74	-19.56	-0.32	-13.00	-31.62
94.990	-59.68	-53.72	-5.39	-0.57	-13.00	-46.68
204.600	-65.79	-64.13	-0.82	-0.84	-13.00	-52.79
304.025	-65.55	-63.49	-0.96	-1.10	-13.00	-52.55
598.420	-63.52	-61.02	-1.24	-1.26	-13.00	-50.52
912.700	-66.55	-63.36	-1.29	-1.90	-13.00	-53.55
1415.000	-63.18	-68.62	7.72	-2.28	-13.00	-50.18
2122.500	-61.36	-68.19	9.63	-2.80	-13.00	-48.36
3465.000	-60.12	-68.90	12.47	-3.69	-13.00	-47.12
5197.500	-55.76	-63.65	12.39	-4.50	-13.00	-42.76

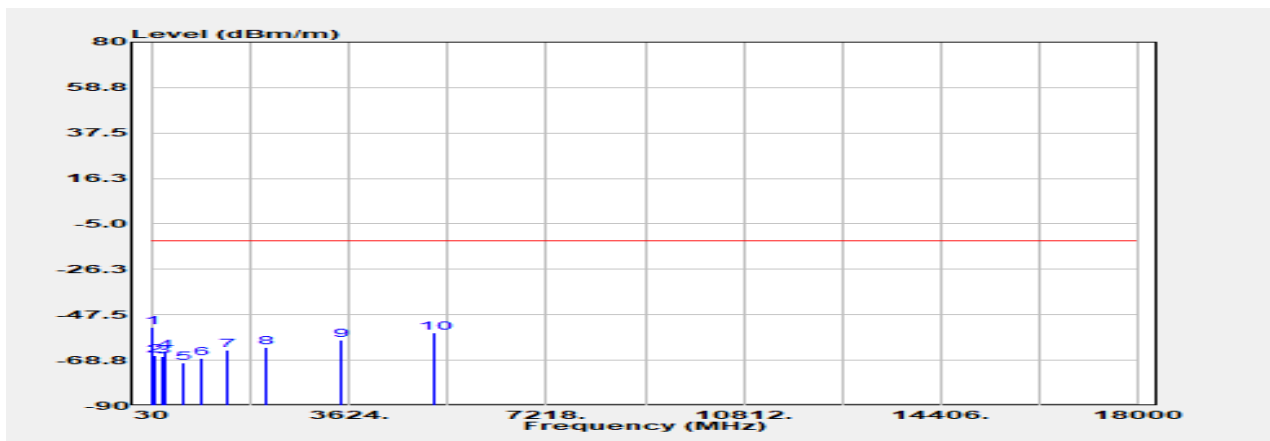
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Report Number :TERF2206000813E2  
 Operation Mode :4A-12A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+707.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-53.41	-33.53	-19.56	-0.32	-13.00	-40.41
110.995	-66.64	-59.70	-6.33	-0.61	-13.00	-53.64
215.755	-67.17	-66.06	-0.24	-0.87	-13.00	-54.17
304.510	-64.38	-62.33	-0.95	-1.10	-13.00	-51.38
594.055	-69.92	-67.39	-1.14	-1.39	-13.00	-56.92
955.380	-67.74	-64.57	-1.35	-1.82	-13.00	-54.74
1415.000	-64.14	-69.58	7.72	-2.28	-13.00	-51.14
2122.500	-62.62	-69.45	9.63	-2.80	-13.00	-49.62
3465.000	-59.36	-68.14	12.47	-3.69	-13.00	-46.36
5197.500	-55.91	-63.80	12.39	-4.50	-13.00	-42.91

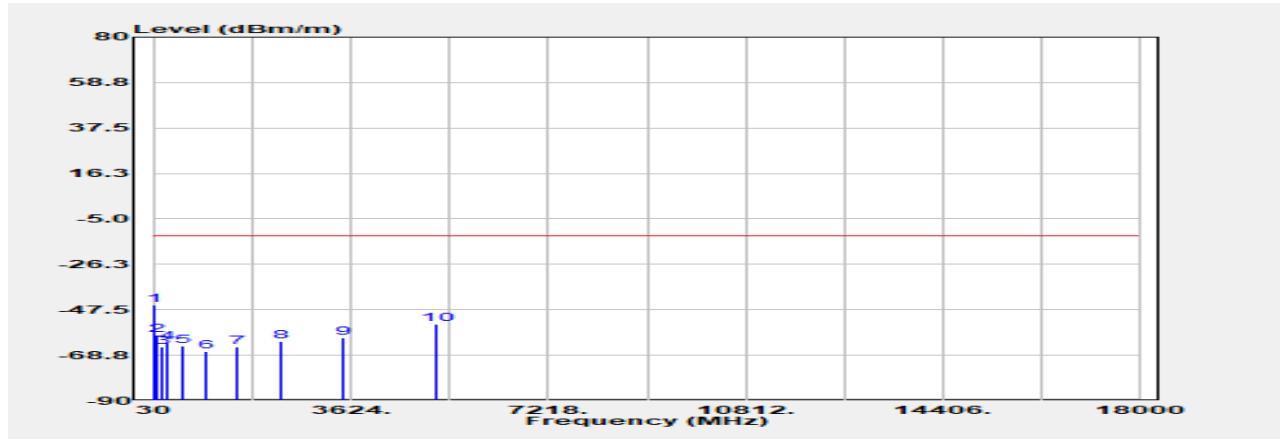
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Report Number :TERF2206000813E2  
 Operation Mode :4A-13A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+782 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-45.20	-25.46	-19.42	-0.32	-13.00	-32.20
95.475	-59.51	-53.60	-5.34	-0.57	-13.00	-46.51
204.115	-64.91	-63.23	-0.84	-0.84	-13.00	-51.91
299.660	-62.72	-60.65	-1.00	-1.07	-13.00	-49.72
585.810	-64.27	-61.62	-1.02	-1.63	-13.00	-51.27
994.180	-67.13	-64.00	-1.19	-1.94	-13.00	-54.13
1564.000	-64.74	-71.51	9.18	-2.41	-13.00	-51.74
2346.000	-62.23	-68.87	9.58	-2.94	-13.00	-49.23
3465.000	-60.71	-69.49	12.47	-3.69	-13.00	-47.71
5197.500	-54.32	-62.21	12.39	-4.50	-13.00	-41.32

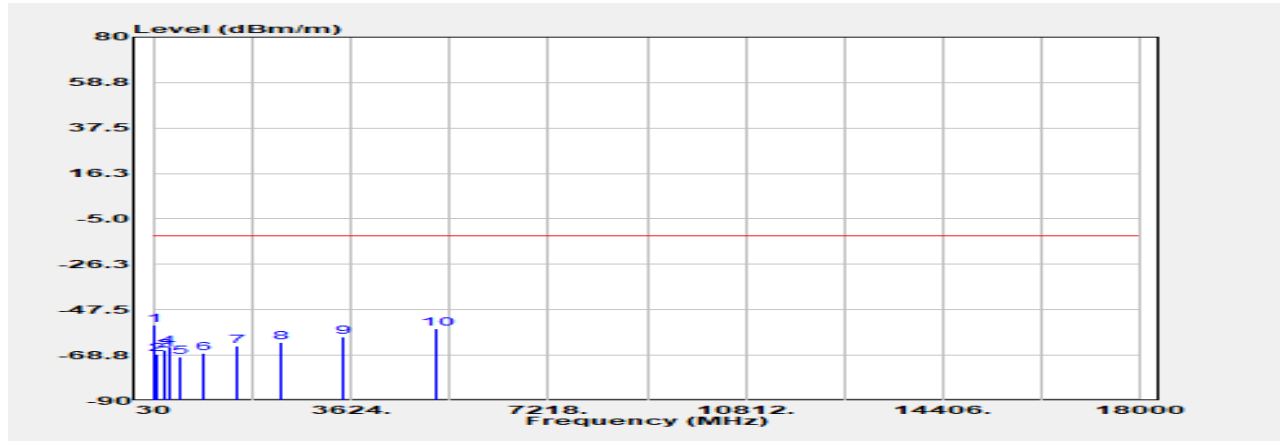
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Report Number :TERF2206000813E2  
 Operation Mode :4A-13A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1732.5 MHz+782 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-54.52	-34.78	-19.42	-0.32	-13.00	-41.52
108.085	-68.33	-61.46	-6.27	-0.60	-13.00	-55.33
221.575	-66.67	-65.89	0.10	-0.88	-13.00	-53.67
306.450	-65.03	-62.94	-0.97	-1.12	-13.00	-52.03
496.570	-69.75	-67.46	-0.72	-1.57	-13.00	-56.75
958.775	-67.64	-64.35	-1.45	-1.84	-13.00	-54.64
1564.000	-64.43	-71.20	9.18	-2.41	-13.00	-51.43
2346.000	-62.74	-69.38	9.58	-2.94	-13.00	-49.74
3465.000	-60.33	-69.11	12.47	-3.69	-13.00	-47.33
5197.500	-56.21	-64.10	12.39	-4.50	-13.00	-43.21

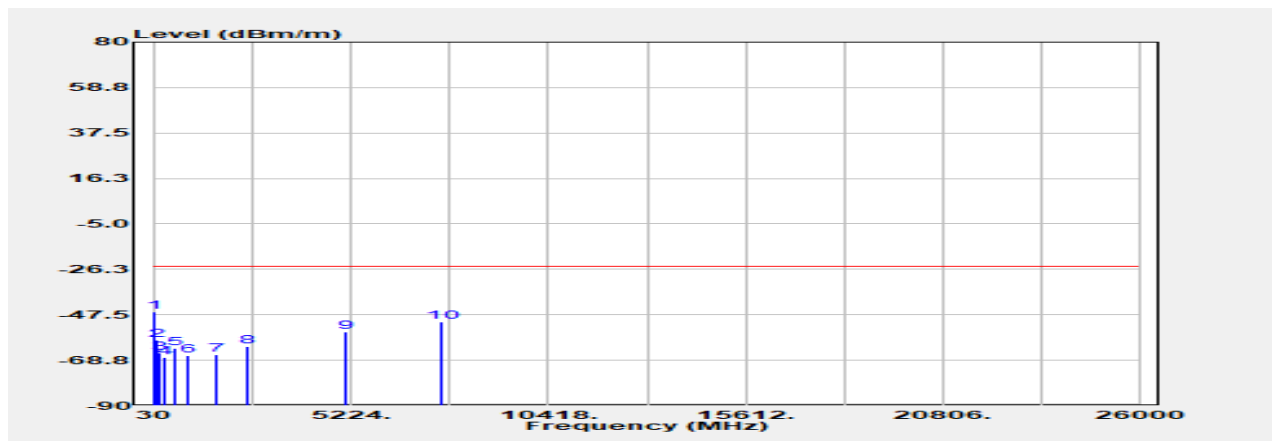
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Report Number :TERF2206000813E2  
 Operation Mode :5A-7A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+2535 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-46.32	-26.26	-19.74	-0.32	-25.00	-21.32
109.540	-59.32	-52.25	-6.46	-0.61	-25.00	-34.32
205.570	-65.36	-63.74	-0.77	-0.85	-25.00	-40.36
297.235	-67.42	-65.34	-1.02	-1.06	-25.00	-42.42
585.325	-63.37	-60.72	-1.01	-1.64	-25.00	-38.37
961.200	-66.59	-63.25	-1.48	-1.86	-25.00	-41.59
1673.000	-65.94	436.56	-500.00	-2.50	-25.00	-40.94
2509.500	-62.15	440.91	-500.00	-3.06	-25.00	-37.15
5070.000	-55.60	448.83	-500.00	-4.43	-25.00	-30.60
7605.000	-50.95	454.72	-500.00	-5.67	-25.00	-25.95

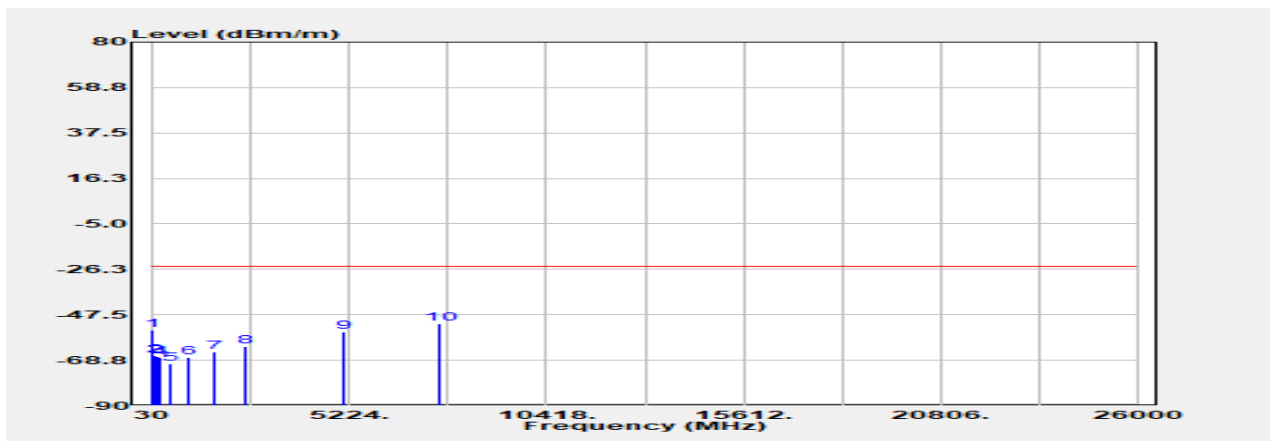
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Report Number :TERF2206000813E2  
 Operation Mode :5A-7A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+2535 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.395	-54.71	-35.09	-19.29	-0.33	-25.00	-29.71
110.995	-66.47	-59.53	-6.33	-0.61	-25.00	-41.47
220.605	-66.92	-66.09	0.05	-0.88	-25.00	-41.92
285.595	-67.23	-65.19	-1.03	-1.01	-25.00	-42.23
500.935	-70.42	-68.24	-0.68	-1.50	-25.00	-45.42
995.150	-67.39	-64.26	-1.18	-1.95	-25.00	-42.39
1673.000	-64.68	-71.73	9.55	-2.50	-25.00	-39.68
2509.500	-62.20	-69.76	10.62	-3.06	-25.00	-37.20
5070.000	-55.60	-63.27	12.10	-4.43	-25.00	-30.60
7605.000	-51.56	-57.10	11.21	-5.67	-25.00	-26.56

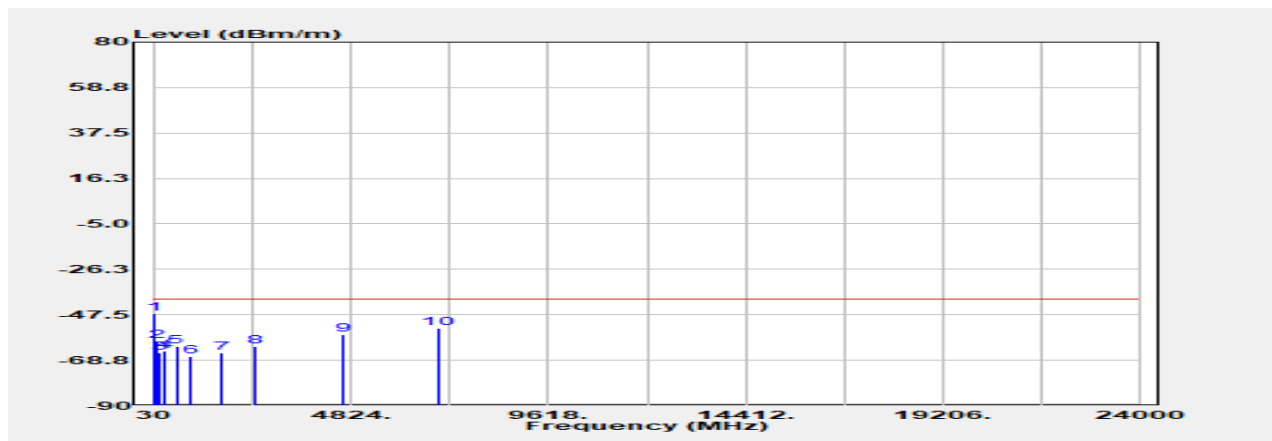
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Report Number :TERF2206000813E2  
 Operation Mode :5A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-46.78	-26.54	-19.92	-0.32	-40.00	-6.78
96.445	-59.63	-53.63	-5.43	-0.57	-40.00	-19.63
203.630	-65.48	-63.78	-0.86	-0.84	-40.00	-25.48
309.845	-64.47	-62.32	-1.01	-1.14	-40.00	-24.47
586.780	-62.18	-59.54	-1.04	-1.60	-40.00	-22.18
922.400	-66.81	-63.59	-1.39	-1.83	-40.00	-26.81
1673.000	-65.44	437.06	-500.00	-2.50	-40.00	-25.44
2509.500	-62.16	440.90	-500.00	-3.06	-40.00	-22.16
4620.000	-56.63	447.56	-500.00	-4.19	-40.00	-16.63
6930.000	-53.64	451.63	-500.00	-5.27	-40.00	-13.64

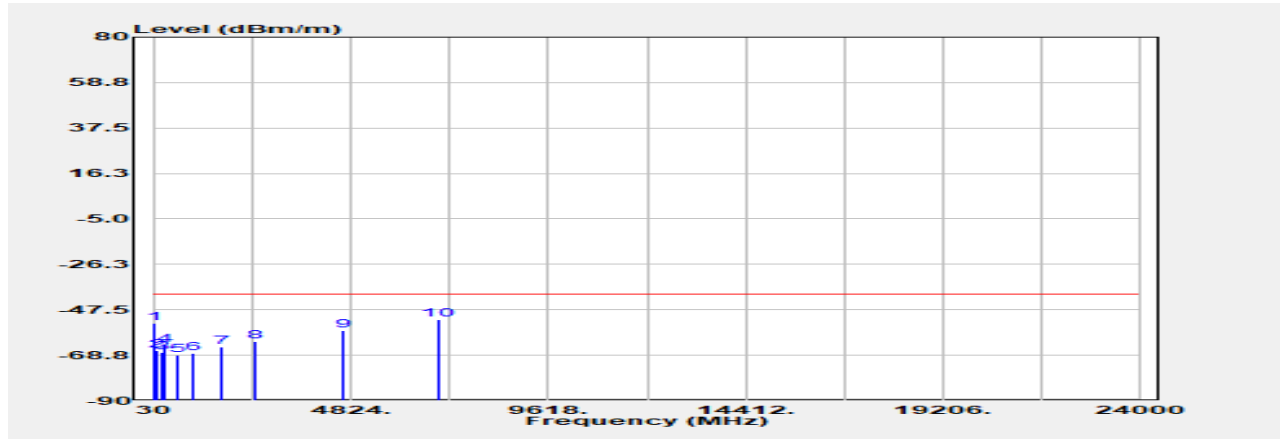
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Report Number :TERF2206000813E2  
 Operation Mode :5A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-53.87	-34.13	-19.42	-0.32	-40.00	-13.87
110.995	-66.47	-59.53	-6.33	-0.61	-40.00	-26.47
222.060	-67.22	-66.47	0.13	-0.88	-40.00	-27.22
301.115	-63.82	-61.75	-0.99	-1.08	-40.00	-23.82
603.270	-68.76	-66.21	-1.36	-1.19	-40.00	-28.76
981.085	-67.86	-64.71	-1.21	-1.94	-40.00	-27.86
1673.000	-64.78	-71.83	9.55	-2.50	-40.00	-24.78
2509.500	-62.49	-70.05	10.62	-3.06	-40.00	-22.49
4620.000	-57.22	-65.45	12.42	-4.19	-40.00	-17.22
6930.000	-51.97	-58.44	11.74	-5.27	-40.00	-11.97

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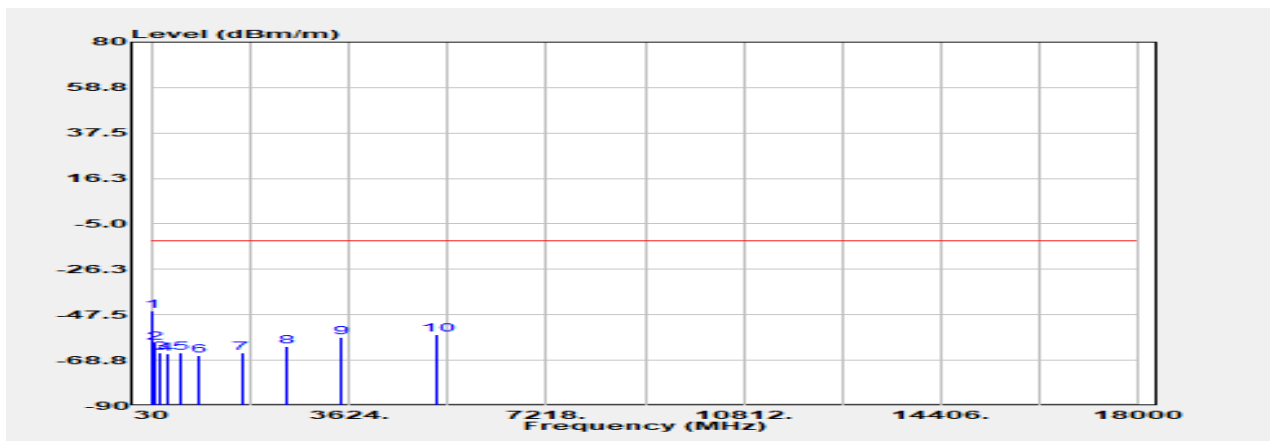
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Report Number :TERF2206000813E2  
 Operation Mode :5A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-45.82	-25.58	-19.92	-0.32	-13.00	-32.82
94.990	-60.50	-54.54	-5.39	-0.57	-13.00	-47.50
203.145	-65.36	-63.64	-0.88	-0.84	-13.00	-52.36
306.450	-65.59	-63.50	-0.97	-1.12	-13.00	-52.59
582.415	-65.19	-62.49	-0.98	-1.72	-13.00	-52.19
912.215	-66.40	-63.22	-1.28	-1.90	-13.00	-53.40
1673.000	-65.33	-72.38	9.55	-2.50	-13.00	-52.33
2509.500	-62.20	-69.76	10.62	-3.06	-13.00	-49.20
3490.000	-57.86	-66.67	12.42	-3.61	-13.00	-44.86
5235.000	-56.69	-64.89	12.68	-4.48	-13.00	-43.69

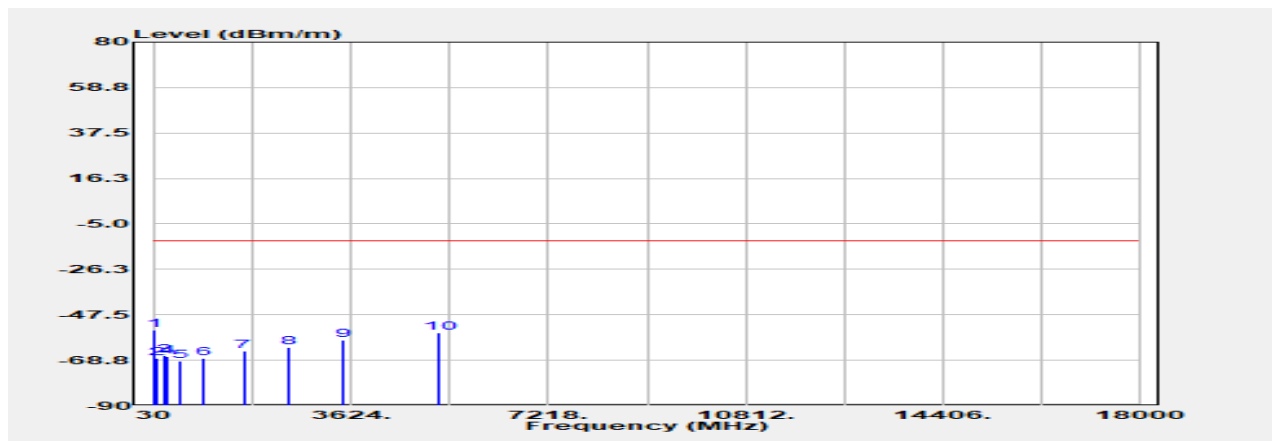
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Report Number :TERF2206000813E2  
 Operation Mode :5A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :836.5 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-54.77	-35.03	-19.42	-0.32	-13.00	-41.77
110.025	-67.74	-60.53	-6.60	-0.61	-13.00	-54.74
221.090	-66.52	-65.71	0.07	-0.88	-13.00	-53.52
289.475	-66.80	-64.78	-1.00	-1.02	-13.00	-53.80
504.330	-69.30	-67.13	-0.76	-1.41	-13.00	-56.30
955.865	-67.82	-64.62	-1.37	-1.83	-13.00	-54.82
1673.000	-64.50	-71.55	9.55	-2.50	-13.00	-51.50
2509.500	-62.92	-70.48	10.62	-3.06	-13.00	-49.92
3490.000	-59.24	-68.05	12.42	-3.61	-13.00	-46.24
5235.000	-55.98	-64.18	12.68	-4.48	-13.00	-42.98

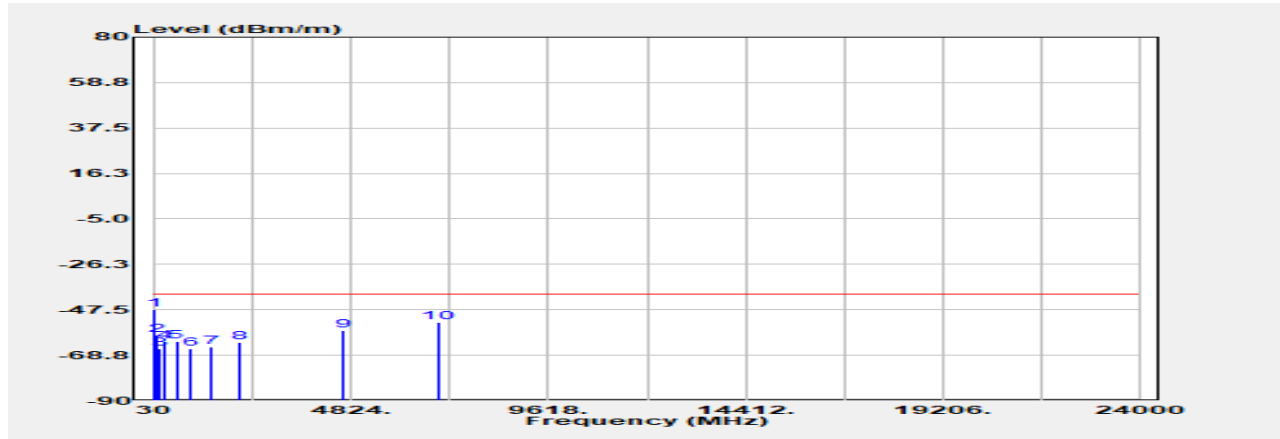
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Report Number :TERF2206000813E2  
 Operation Mode :12A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :707.5 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-47.32	-27.26	-19.74	-0.32	-40.00	-7.32
95.475	-59.23	-53.32	-5.34	-0.57	-40.00	-19.23
204.115	-65.71	-64.03	-0.84	-0.84	-40.00	-25.71
300.630	-62.26	-60.20	-0.99	-1.07	-40.00	-22.26
587.750	-62.47	-59.82	-1.07	-1.58	-40.00	-22.47
916.580	-65.86	-62.66	-1.33	-1.87	-40.00	-25.86
1415.000	-64.71	-70.15	7.72	-2.28	-40.00	-24.71
2122.500	-62.92	-69.75	9.63	-2.80	-40.00	-22.92
4620.000	-57.05	-65.28	12.42	-4.19	-40.00	-17.05
6930.000	-53.20	-59.67	11.74	-5.27	-40.00	-13.20

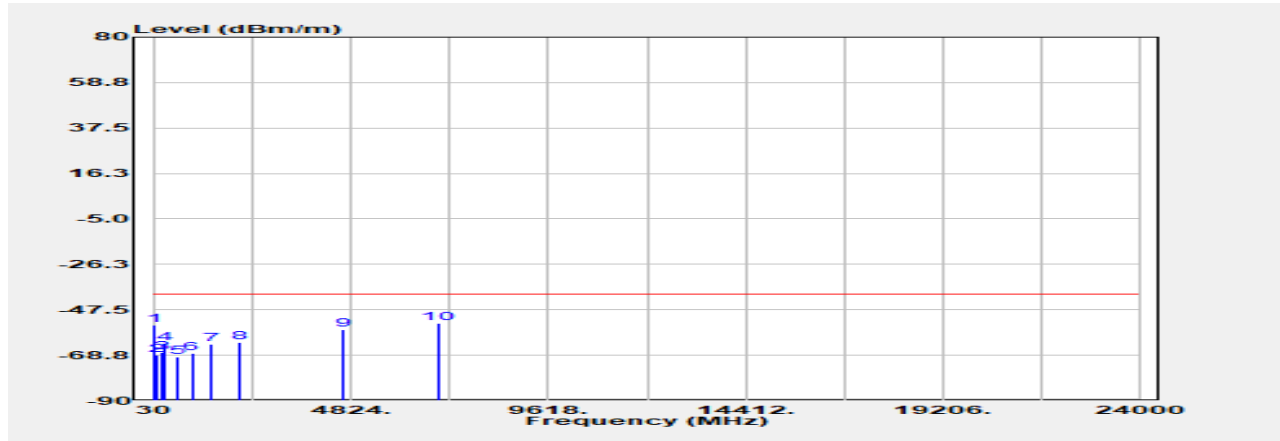
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Report Number :TERF2206000813E2  
 Operation Mode :12A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :707.5 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-54.82	-34.94	-19.56	-0.32	-40.00	-14.82
109.055	-68.85	-61.93	-6.31	-0.61	-40.00	-28.85
218.180	-67.52	-66.54	-0.10	-0.88	-40.00	-27.52
300.145	-62.98	-60.91	-1.00	-1.07	-40.00	-22.98
619.760	-69.37	-66.82	-1.29	-1.26	-40.00	-29.37
964.110	-67.89	-64.56	-1.46	-1.87	-40.00	-27.89
1415.000	-63.53	-68.97	7.72	-2.28	-40.00	-23.53
2122.500	-62.54	-69.37	9.63	-2.80	-40.00	-22.54
4620.000	-56.88	-65.11	12.42	-4.19	-40.00	-16.88
6930.000	-53.83	-60.30	11.74	-5.27	-40.00	-13.83

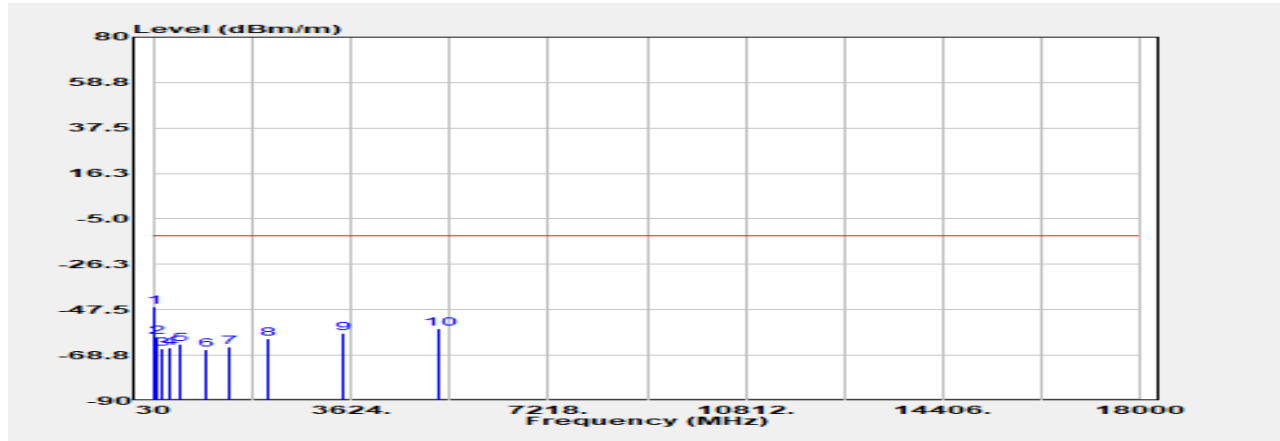
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Report Number :TERF2206000813E2  
 Operation Mode :12A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :707.5 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-45.95	-25.89	-19.74	-0.32	-13.00	-32.95
95.960	-60.15	-54.29	-5.29	-0.57	-13.00	-47.15
204.115	-65.82	-64.14	-0.84	-0.84	-13.00	-52.82
319.545	-65.25	-63.04	-1.03	-1.18	-13.00	-52.25
502.390	-63.62	-61.45	-0.71	-1.46	-13.00	-50.62
992.725	-66.30	-63.16	-1.20	-1.94	-13.00	-53.30
1415.000	-65.02	-70.46	7.72	-2.28	-13.00	-52.02
2122.500	-60.97	-67.80	9.63	-2.80	-13.00	-47.97
3490.000	-58.60	-67.41	12.42	-3.61	-13.00	-45.60
5235.000	-56.54	-64.74	12.68	-4.48	-13.00	-43.54

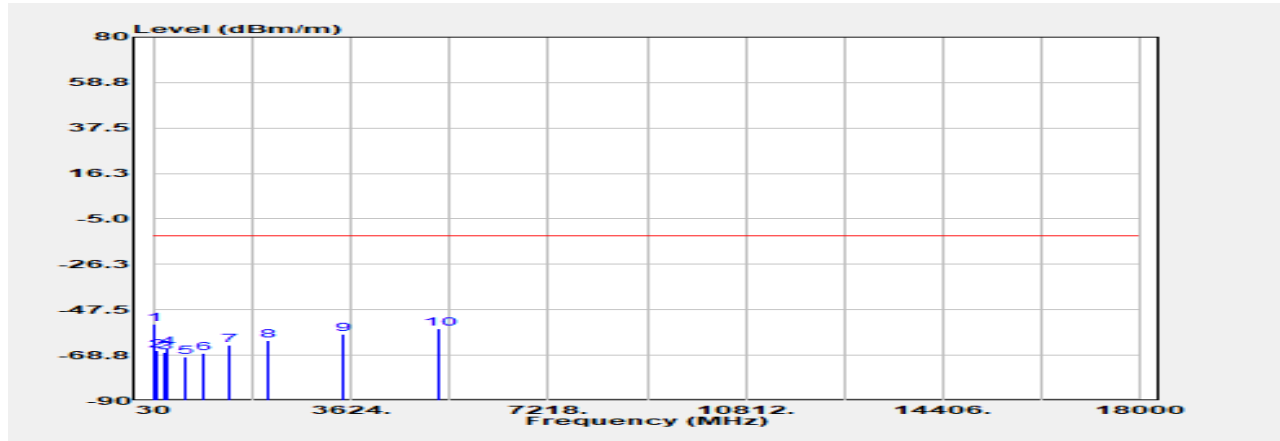
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Report Number :TERF2206000813E2  
 Operation Mode :12A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :707.5 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-54.36	-34.48	-19.56	-0.32	-13.00	-41.36
110.510	-66.72	-59.64	-6.47	-0.61	-13.00	-53.72
216.240	-67.31	-66.23	-0.21	-0.87	-13.00	-54.31
299.660	-65.40	-63.33	-1.00	-1.07	-13.00	-52.40
605.695	-69.53	-66.95	-1.40	-1.18	-13.00	-56.53
956.835	-67.74	-64.51	-1.40	-1.83	-13.00	-54.74
1415.000	-64.11	-69.55	7.72	-2.28	-13.00	-51.11
2122.500	-61.98	-68.81	9.63	-2.80	-13.00	-48.98
3490.000	-58.74	-67.55	12.42	-3.61	-13.00	-45.74
5235.000	-56.53	-64.73	12.68	-4.48	-13.00	-43.53

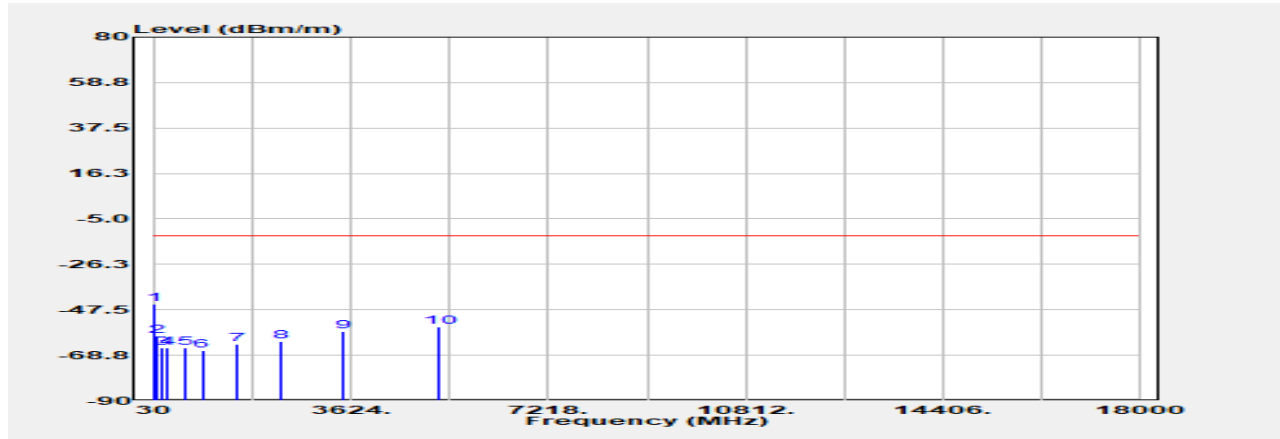
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Report Number :TERF2206000813E2  
 Operation Mode :13A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :782 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-44.83	-24.77	-19.74	-0.32	-13.00	-31.83
95.960	-59.87	-54.01	-5.29	-0.57	-13.00	-46.87
203.145	-65.36	-63.64	-0.88	-0.84	-13.00	-52.36
305.480	-65.11	-63.04	-0.96	-1.11	-13.00	-52.11
597.450	-65.10	-62.60	-1.21	-1.29	-13.00	-52.10
919.490	-66.62	-63.42	-1.35	-1.85	-13.00	-53.62
1564.000	-63.69	-70.46	9.18	-2.41	-13.00	-50.69
2346.000	-62.17	-68.81	9.58	-2.94	-13.00	-49.17
3490.000	-57.82	-66.63	12.42	-3.61	-13.00	-44.82
5235.000	-55.51	-63.71	12.68	-4.48	-13.00	-42.51

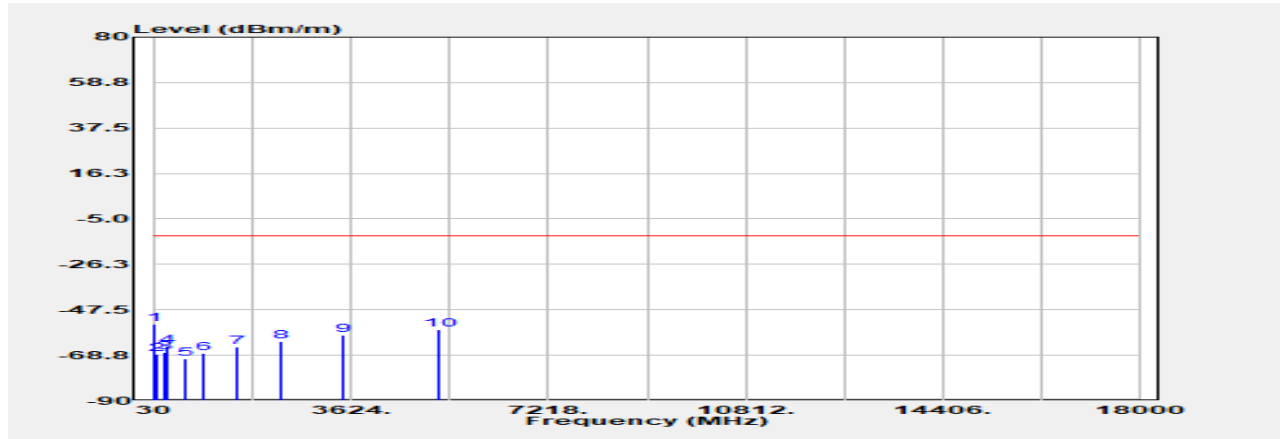
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Report Number :TERF2206000813E2  
 Operation Mode :13A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :782 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-54.26	-34.64	-19.29	-0.33	-13.00	-41.26
111.480	-68.18	-61.13	-6.44	-0.61	-13.00	-55.18
217.210	-67.26	-66.23	-0.16	-0.87	-13.00	-54.26
304.510	-64.45	-62.40	-0.95	-1.10	-13.00	-51.45
592.115	-70.36	-67.78	-1.13	-1.45	-13.00	-57.36
958.290	-67.84	-64.56	-1.44	-1.84	-13.00	-54.84
1564.000	-65.04	-71.81	9.18	-2.41	-13.00	-52.04
2346.000	-62.13	-68.77	9.58	-2.94	-13.00	-49.13
3490.000	-59.38	-68.19	12.42	-3.61	-13.00	-46.38
5235.000	-56.65	-64.85	12.68	-4.48	-13.00	-43.65

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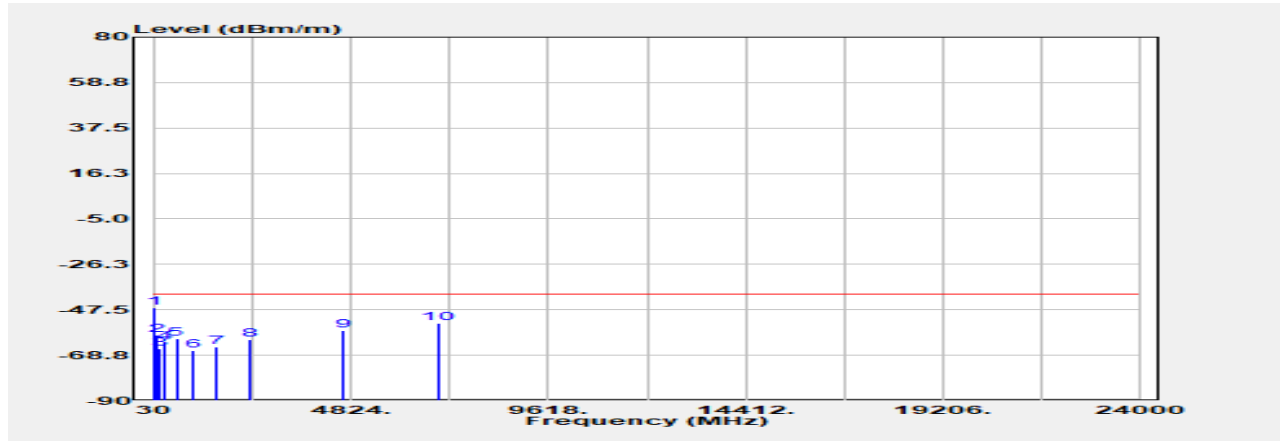
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Report Number :TERF2206000813E2  
 Operation Mode :14A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :793 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-46.57	-26.69	-19.56	-0.32	-40.00	-6.57
96.445	-59.45	-53.45	-5.43	-0.57	-40.00	-19.45
204.600	-65.58	-63.92	-0.82	-0.84	-40.00	-25.58
300.145	-62.91	-60.84	-1.00	-1.07	-40.00	-22.91
586.780	-61.07	-58.43	-1.04	-1.60	-40.00	-21.07
990.785	-66.42	-63.26	-1.22	-1.94	-40.00	-26.42
1586.000	-64.66	-71.57	9.32	-2.41	-40.00	-24.66
2379.000	-61.31	-68.23	9.89	-2.97	-40.00	-21.31
4620.000	-57.18	-65.41	12.42	-4.19	-40.00	-17.18
6930.000	-53.84	-60.31	11.74	-5.27	-40.00	-13.84

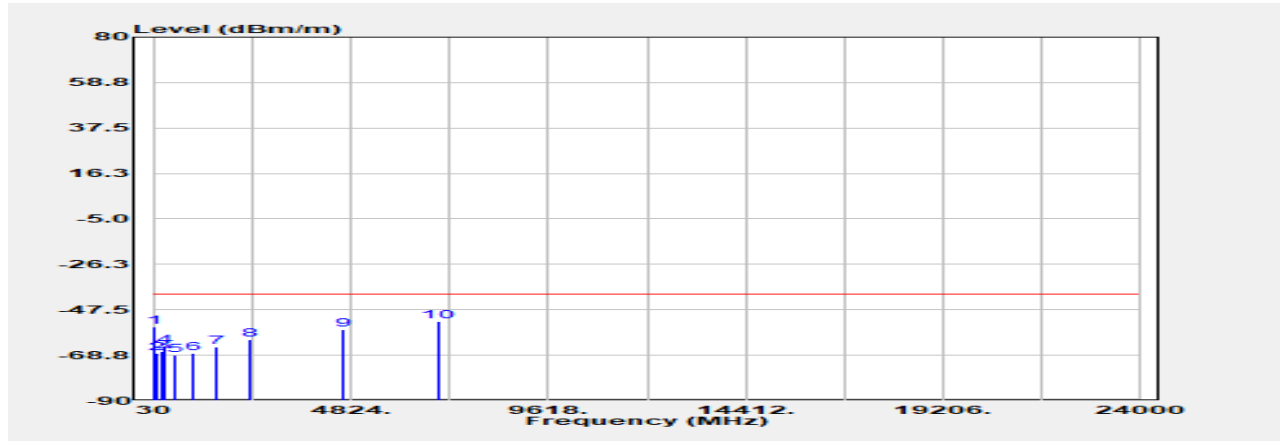
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Report Number :TERF2206000813E2  
 Operation Mode :14A-30A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :793 MHz+2310 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-55.36	-35.74	-19.29	-0.33	-40.00	-15.36
111.480	-67.72	-60.67	-6.44	-0.61	-40.00	-27.72
221.090	-67.05	-66.24	0.07	-0.88	-40.00	-27.05
300.145	-64.59	-62.52	-1.00	-1.07	-40.00	-24.59
585.325	-68.51	-65.86	-1.01	-1.64	-40.00	-28.51
966.535	-67.69	-64.37	-1.43	-1.89	-40.00	-27.69
1586.000	-64.82	-71.73	9.32	-2.41	-40.00	-24.82
2379.000	-61.61	-68.53	9.89	-2.97	-40.00	-21.61
4620.000	-56.73	-64.96	12.42	-4.19	-40.00	-16.73
6930.000	-52.99	-59.46	11.74	-5.27	-40.00	-12.99

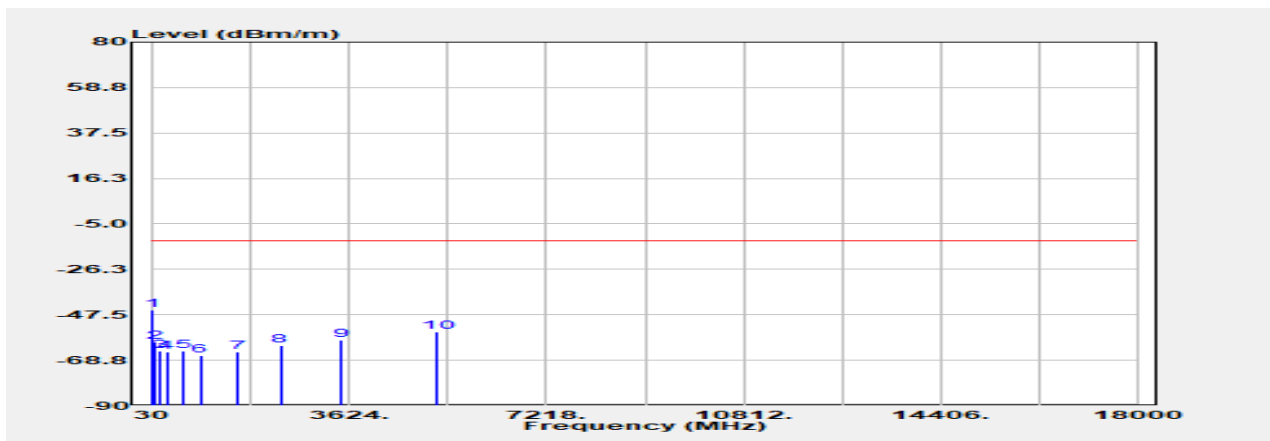
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Report Number :TERF2206000813E2  
 Operation Mode :14A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :793 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-45.20	-24.96	-19.92	-0.32	-13.00	-32.20
97.900	-60.04	-53.84	-5.62	-0.58	-13.00	-47.04
188.595	-64.47	-61.44	-2.21	-0.82	-13.00	-51.47
306.450	-64.69	-62.60	-0.97	-1.12	-13.00	-51.69
593.570	-64.23	-61.68	-1.14	-1.41	-13.00	-51.23
919.005	-66.75	-63.54	-1.35	-1.86	-13.00	-53.75
1586.000	-64.96	-71.87	9.32	-2.41	-13.00	-51.96
2379.000	-61.70	-68.62	9.89	-2.97	-13.00	-48.70
3490.000	-59.43	-68.24	12.42	-3.61	-13.00	-46.43
5235.000	-55.54	-63.74	12.68	-4.48	-13.00	-42.54

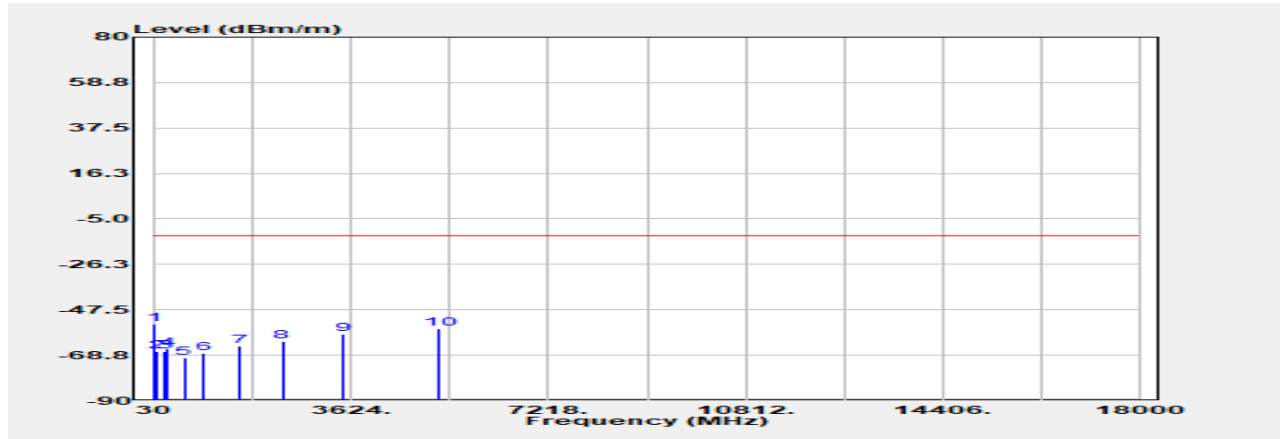
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Report Number :TERF2206000813E2  
 Operation Mode :14A-66A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :793 MHz+1745 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-54.28	-34.66	-19.29	-0.33	-13.00	-41.28
110.025	-67.03	-59.82	-6.60	-0.61	-13.00	-54.03
219.635	-66.99	-66.10	-0.01	-0.88	-13.00	-53.99
300.145	-65.61	-63.54	-1.00	-1.07	-13.00	-52.61
590.175	-70.16	-67.53	-1.12	-1.51	-13.00	-57.16
958.290	-67.79	-64.51	-1.44	-1.84	-13.00	-54.79
1586.000	-64.62	-71.53	9.32	-2.41	-13.00	-51.62
2379.000	-62.40	-69.32	9.89	-2.97	-13.00	-49.40
3490.000	-59.06	-67.87	12.42	-3.61	-13.00	-46.06
5235.000	-56.39	-64.59	12.68	-4.48	-13.00	-43.39

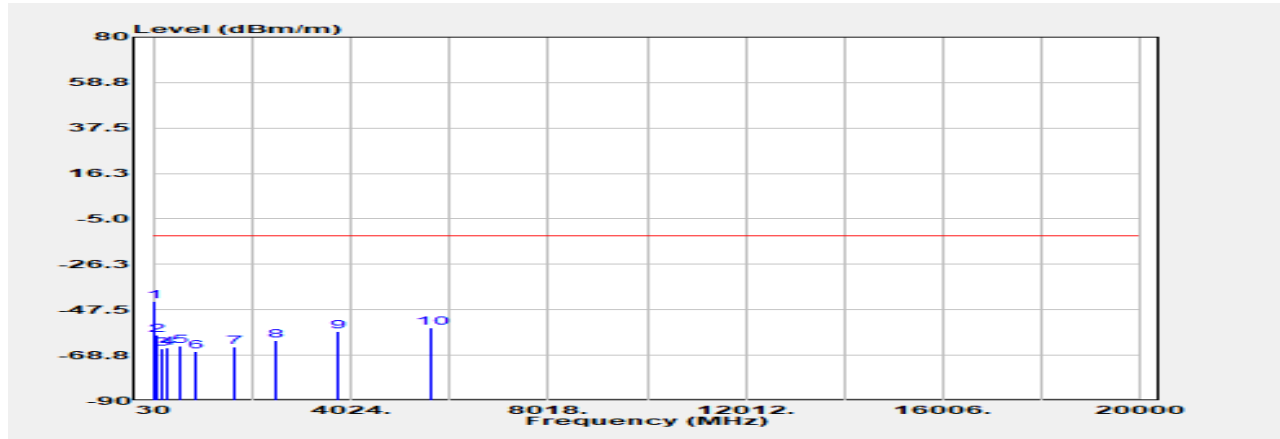
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Report Number :TERF2206000813E2  
 Operation Mode :25A-26A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1882.5 MHz+831.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-43.68	-23.62	-19.74	-0.32	-13.00	-30.68
95.960	-59.32	-53.46	-5.29	-0.57	-13.00	-46.32
203.630	-65.85	-64.15	-0.86	-0.84	-13.00	-52.85
287.535	-65.43	-63.40	-1.01	-1.02	-13.00	-52.43
593.570	-64.36	-61.81	-1.14	-1.41	-13.00	-51.36
904.455	-66.84	-63.74	-1.19	-1.91	-13.00	-53.84
1663.000	-64.99	-72.02	9.53	-2.50	-13.00	-51.99
2494.500	-61.70	-69.24	10.59	-3.05	-13.00	-48.70
3765.000	-57.69	-66.34	12.40	-3.75	-13.00	-44.69
5647.500	-55.95	-64.19	13.00	-4.76	-13.00	-42.95

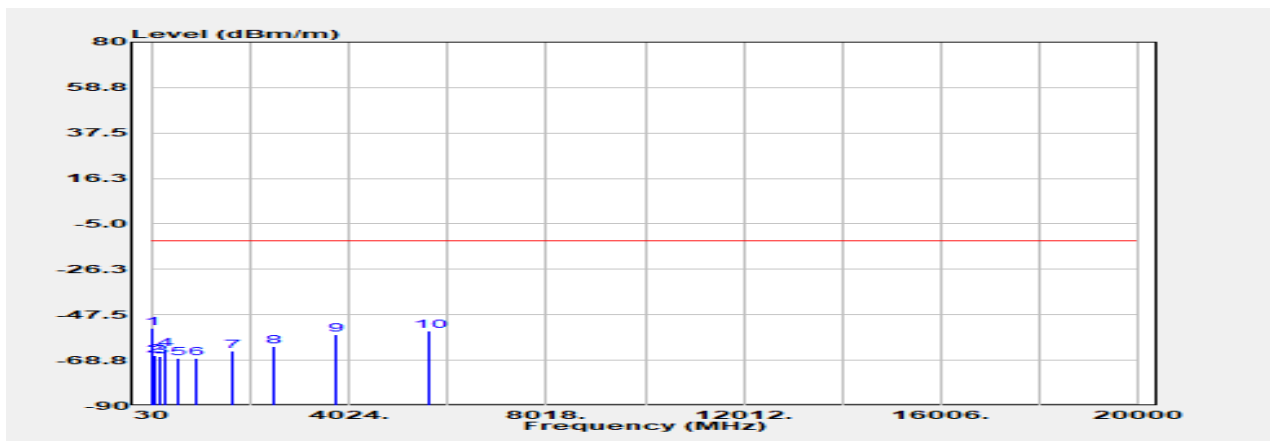
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Report Number :TERF2206000813E2  
 Operation Mode :25A-26A  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1882.5 MHz+831.5 MHz

Test Site :SAC D  
 Test Date :2022-07-22  
 Temp./Humi. :24.5/65  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-53.77	-34.03	-19.42	-0.32	-13.00	-40.77
110.025	-66.66	-59.45	-6.60	-0.61	-13.00	-53.66
221.090	-67.18	-66.37	0.07	-0.88	-13.00	-54.18
299.660	-63.44	-61.37	-1.00	-1.07	-13.00	-50.44
584.840	-67.72	-65.07	-1.00	-1.65	-13.00	-54.72
954.410	-67.76	-64.59	-1.35	-1.82	-13.00	-54.76
1663.000	-64.41	-71.44	9.53	-2.50	-13.00	-51.41
2494.500	-62.16	-69.70	10.59	-3.05	-13.00	-49.16
3765.000	-56.79	-65.44	12.40	-3.75	-13.00	-43.79
5647.500	-55.01	-63.25	13.00	-4.76	-13.00	-42.01

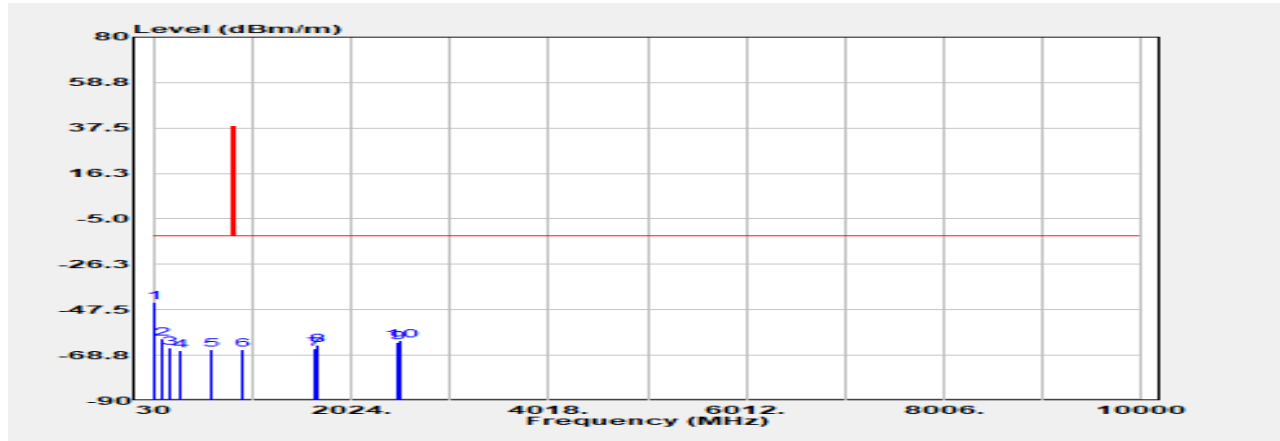
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Report Number :TERF2206000813E2  
 Operation Mode :5B  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :834.1 MHz+844 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-43.89	-24.01	-19.56	-0.32	-13.00	-30.89
109.540	-61.20	-54.13	-6.46	-0.61	-13.00	-48.20
204.600	-65.43	-63.77	-0.82	-0.84	-13.00	-52.43
300.145	-66.44	-64.37	-1.00	-1.07	-13.00	-53.44
605.210	-66.09	-63.51	-1.40	-1.18	-13.00	-53.09
920.460	-66.34	-63.12	-1.37	-1.85	-13.00	-53.34
1668.200	-65.66	-72.70	9.54	-2.50	-13.00	-52.66
1688.000	-64.05	-71.14	9.58	-2.49	-13.00	-51.05
2502.300	-62.60	-70.14	10.60	-3.06	-13.00	-49.60
2532.000	-61.79	-69.38	10.66	-3.07	-13.00	-48.79

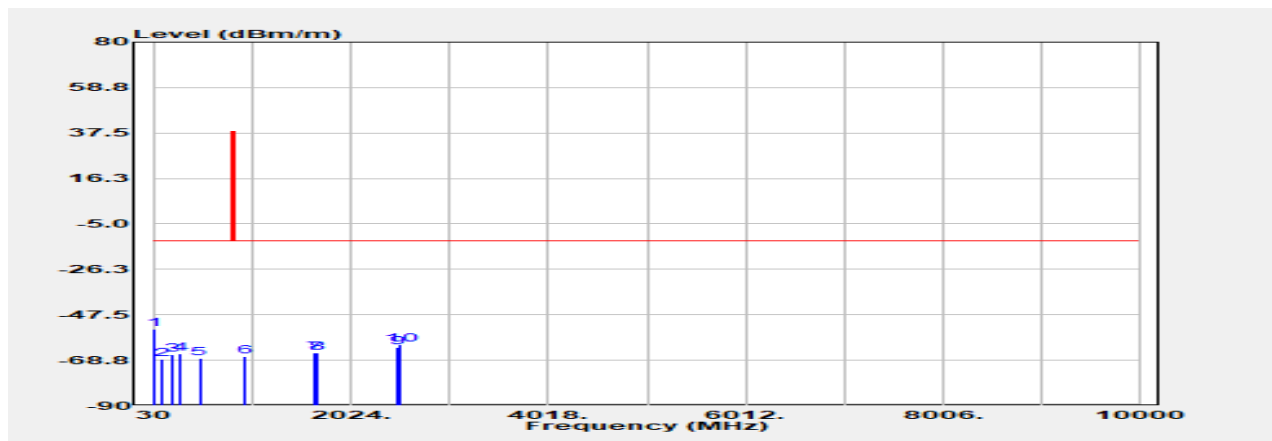
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Report Number :TERF2206000813E2  
 Operation Mode :5B  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :834.1 MHz+844 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-54.40	-34.52	-19.56	-0.32	-13.00	-41.40
109.055	-68.27	-61.35	-6.31	-0.61	-13.00	-55.27
221.090	-65.97	-65.16	0.07	-0.88	-13.00	-52.97
304.510	-65.72	-63.67	-0.95	-1.10	-13.00	-52.72
497.055	-68.01	-65.73	-0.71	-1.57	-13.00	-55.01
953.925	-66.90	-63.74	-1.35	-1.81	-13.00	-53.90
1668.200	-65.17	-72.21	9.54	-2.50	-13.00	-52.17
1688.000	-65.26	-72.35	9.58	-2.49	-13.00	-52.26
2502.300	-62.76	-70.30	10.60	-3.06	-13.00	-49.76
2532.000	-61.42	-69.01	10.66	-3.07	-13.00	-48.42

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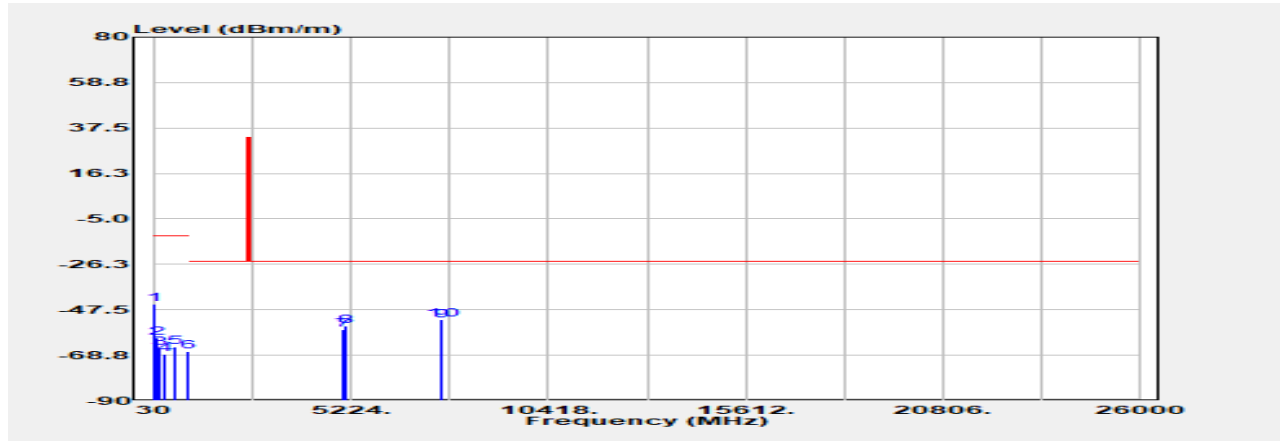
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Report Number :TERF2206000813E2  
 Operation Mode :7C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2527.5 MHz+2542.5 MHz

Test Site :SAC D  
 Test Date :2022-07-15  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-44.75	-24.87	-19.56	-0.32	-13.00	-31.75
109.540	-60.70	-53.63	-6.46	-0.61	-13.00	-47.70
205.085	-65.25	-63.61	-0.79	-0.85	-13.00	-52.25
305.480	-68.42	-66.35	-0.96	-1.11	-13.00	-55.42
583.870	-64.81	-62.14	-0.99	-1.68	-13.00	-51.81
966.535	-66.85	-63.53	-1.43	-1.89	-13.00	-53.85
5055.000	-56.71	-64.39	12.10	-4.42	-25.00	-31.71
5085.000	-55.13	-62.79	12.10	-4.44	-25.00	-30.13
7582.500	-52.39	-57.93	11.17	-5.63	-25.00	-27.39
7627.500	-51.91	-57.48	11.26	-5.69	-25.00	-26.91

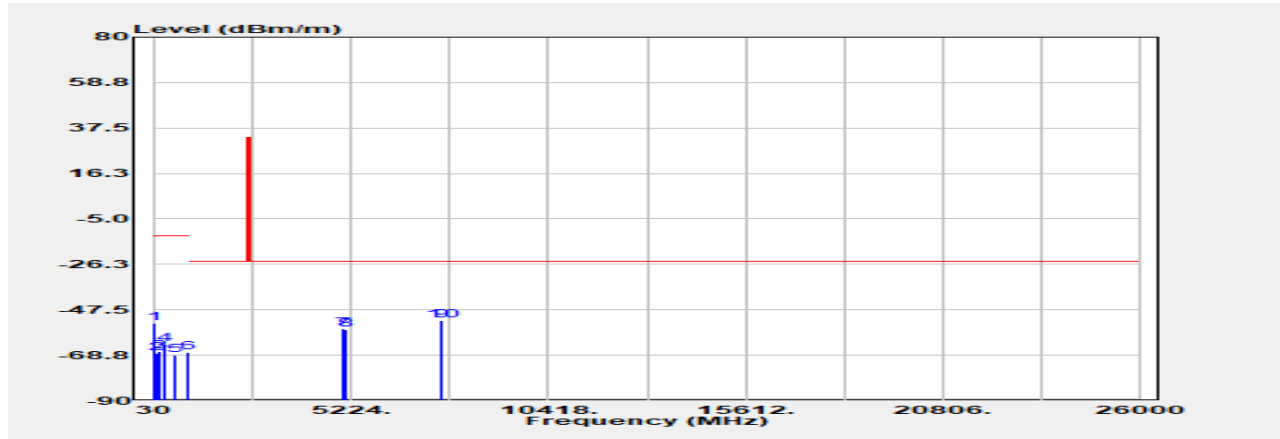
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Report Number :TERF2206000813E2  
 Operation Mode :7C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2527.5 MHz+2542.5 MHz

Test Site :SAC D  
 Test Date :2022-07-15  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-53.59	-33.71	-19.56	-0.32	-13.00	-40.59
111.480	-67.91	-60.86	-6.44	-0.61	-13.00	-54.91
220.120	-66.84	-65.98	0.02	-0.88	-13.00	-53.84
304.995	-63.71	-61.65	-0.95	-1.11	-13.00	-50.71
589.690	-68.53	-65.89	-1.11	-1.53	-13.00	-55.53
954.895	-67.43	-64.27	-1.34	-1.82	-13.00	-54.43
5055.000	-56.41	-64.09	12.10	-4.42	-25.00	-31.41
5085.000	-56.62	-64.28	12.10	-4.44	-25.00	-31.62
7582.500	-52.45	-57.99	11.17	-5.63	-25.00	-27.45
7627.500	-52.57	-58.14	11.26	-5.69	-25.00	-27.57

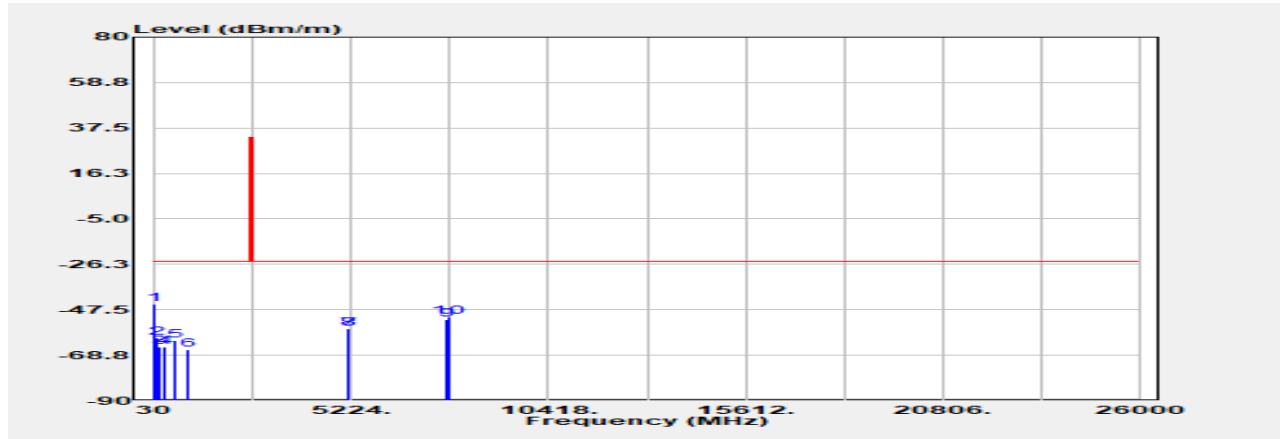
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Report Number :TERF2206000813E2  
 Operation Mode :38C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2577.5 MHz+2592.5 MHz

Test Site :SAC D  
 Test Date :2022-07-15  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-44.64	-24.40	-19.92	-0.32	-25.00	-19.64
95.475	-60.47	-54.56	-5.34	-0.57	-25.00	-35.47
205.085	-64.66	-63.02	-0.79	-0.85	-25.00	-39.66
299.175	-64.95	-62.87	-1.01	-1.07	-25.00	-39.95
592.600	-61.97	-59.39	-1.14	-1.44	-25.00	-36.97
966.050	-66.25	-62.92	-1.44	-1.89	-25.00	-41.25
5155.000	-56.54	-64.18	12.13	-4.49	-25.00	-31.54
5185.000	-56.52	-64.33	12.31	-4.50	-25.00	-31.52
7732.500	-52.07	-57.80	11.50	-5.77	-25.00	-27.07
7777.500	-50.95	-56.66	11.50	-5.79	-25.00	-25.95

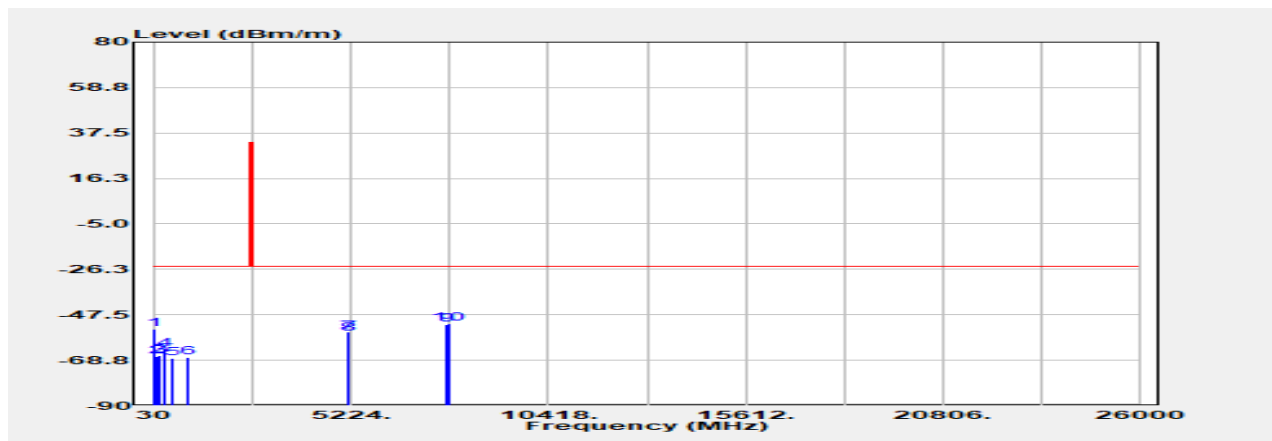
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Report Number :TERF2206000813E2  
 Operation Mode :38C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2577.5 MHz+2592.5 MHz

Test Site :SAC D  
 Test Date :2022-07-15  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-54.01	-34.13	-19.56	-0.32	-25.00	-29.01
110.025	-66.93	-59.72	-6.60	-0.61	-25.00	-41.93
218.180	-66.43	-65.45	-0.10	-0.88	-25.00	-41.43
305.965	-63.53	-61.46	-0.96	-1.11	-25.00	-38.53
502.875	-67.83	-65.66	-0.72	-1.45	-25.00	-42.83
951.500	-67.21	-64.04	-1.37	-1.80	-25.00	-42.21
5155.000	-55.31	-62.95	12.13	-4.49	-25.00	-30.31
5185.000	-56.39	-64.20	12.31	-4.50	-25.00	-31.39
7732.500	-51.95	-57.68	11.50	-5.77	-25.00	-26.95
7777.500	-51.59	-57.30	11.50	-5.79	-25.00	-26.59

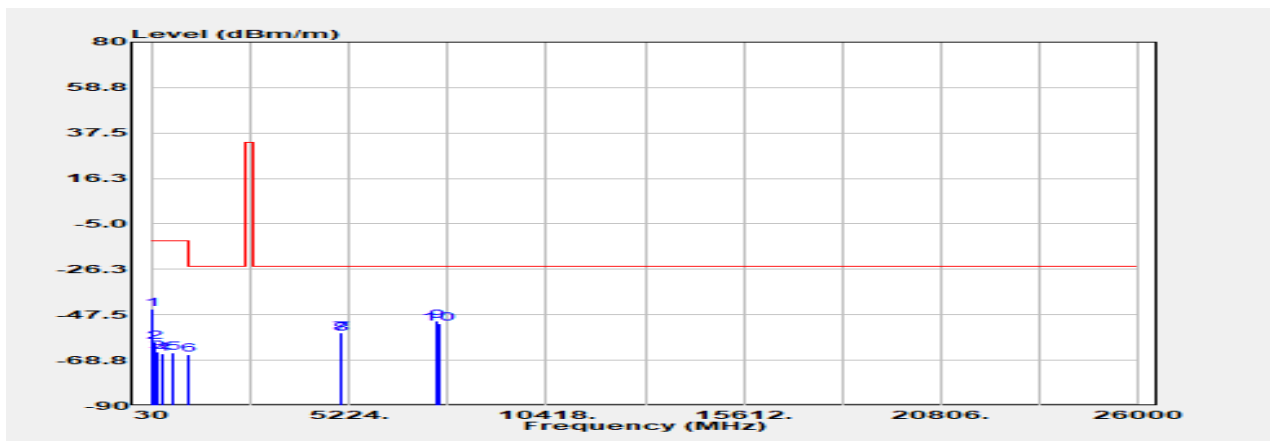
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Report Number :TERF2206000813E2  
 Operation Mode :41C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2506 MHz+2525.8 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.455	-44.85	-24.79	-19.74	-0.32	-13.00	-31.85
95.475	-60.37	-54.46	-5.34	-0.57	-13.00	-47.37
203.145	-64.69	-62.97	-0.88	-0.84	-13.00	-51.69
310.815	-65.51	-63.37	-1.00	-1.14	-13.00	-52.51
590.660	-65.14	-62.52	-1.12	-1.50	-13.00	-52.14
993.210	-65.95	-62.81	-1.20	-1.94	-13.00	-52.95
5012.000	-56.02	-64.01	12.40	-4.41	-25.00	-31.02
5051.600	-56.22	-63.90	12.10	-4.42	-25.00	-31.22
7518.000	-50.56	-56.08	11.04	-5.52	-25.00	-25.56
7577.400	-51.82	-57.35	11.15	-5.62	-25.00	-26.82

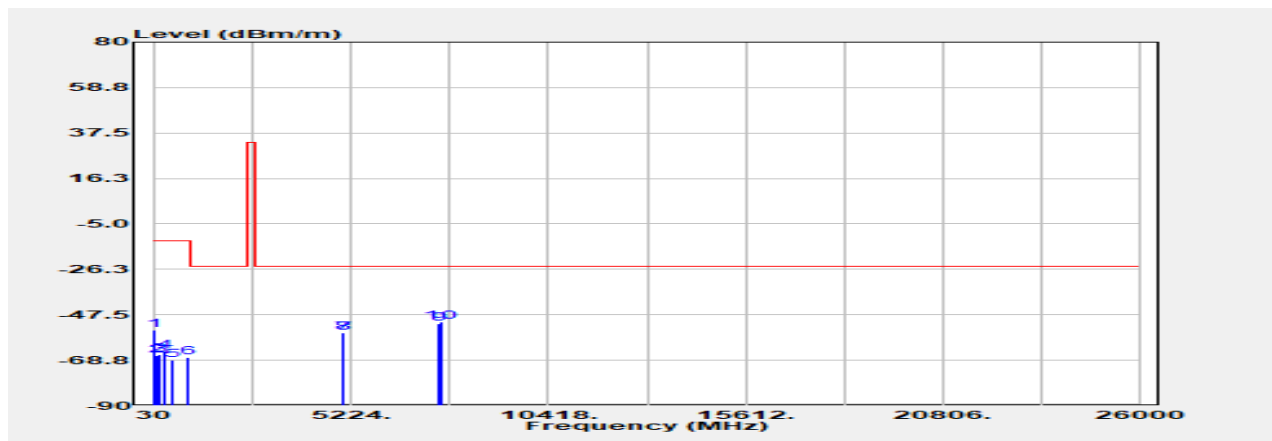
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Report Number :TERF2206000813E2  
 Operation Mode :41C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :2506 MHz+2525.8 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-54.47	-34.59	-19.56	-0.32	-13.00	-41.47
110.995	-66.40	-59.46	-6.33	-0.61	-13.00	-53.40
220.120	-66.01	-65.15	0.02	-0.88	-13.00	-53.01
300.145	-64.63	-62.56	-1.00	-1.07	-13.00	-51.63
503.845	-68.50	-66.33	-0.74	-1.43	-13.00	-55.50
957.805	-67.28	-64.02	-1.42	-1.84	-13.00	-54.28
5012.000	-55.76	-63.75	12.40	-4.41	-25.00	-30.76
5051.600	-55.73	-63.41	12.10	-4.42	-25.00	-30.73
7518.000	-51.51	-57.03	11.04	-5.52	-25.00	-26.51
7577.400	-50.68	-56.21	11.15	-5.62	-25.00	-25.68

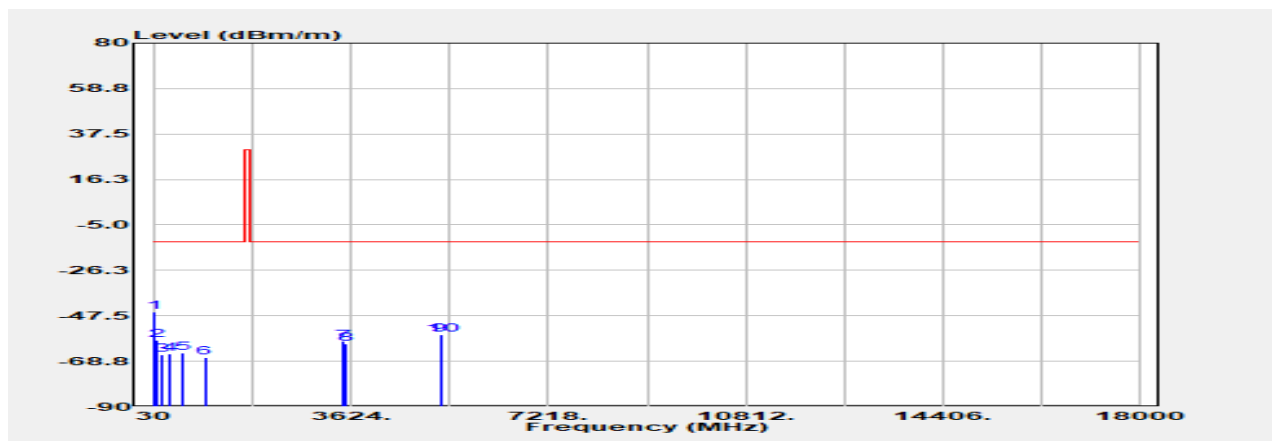
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Report Number :TERF2206000813E2  
 Operation Mode :66B  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1750.1 MHz+1760 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.940	-45.70	-25.82	-19.56	-0.32	-13.00	-32.70
96.445	-58.98	-52.98	-5.43	-0.57	-13.00	-45.98
203.630	-65.77	-64.07	-0.86	-0.84	-13.00	-52.77
326.335	-65.41	-63.34	-0.87	-1.20	-13.00	-52.41
583.385	-64.70	-62.02	-0.99	-1.69	-13.00	-51.70
966.050	-66.83	-63.50	-1.44	-1.89	-13.00	-53.83
3500.200	-59.30	-68.12	12.40	-3.58	-13.00	-46.30
3520.000	-60.40	-69.16	12.40	-3.64	-13.00	-47.40
5250.300	-56.35	-64.68	12.80	-4.47	-13.00	-43.35
5280.000	-56.17	-64.58	12.92	-4.51	-13.00	-43.17

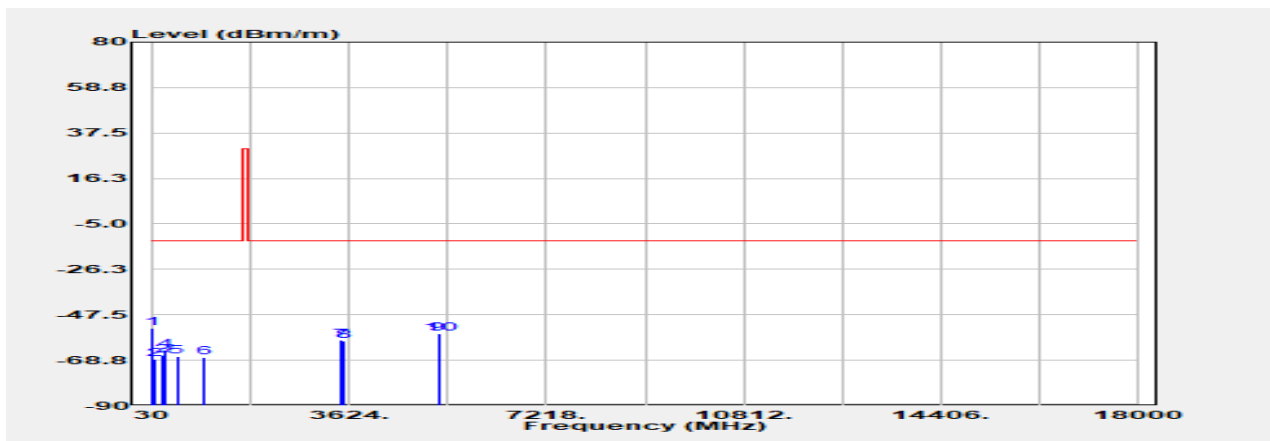
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Report Number :TERF2206000813E2  
 Operation Mode :66B  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1750.1 MHz+1760 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-53.68	-33.94	-19.42	-0.32	-13.00	-40.68
108.570	-68.31	-61.42	-6.28	-0.61	-13.00	-55.31
220.120	-66.39	-65.53	0.02	-0.88	-13.00	-53.39
304.025	-64.01	-61.95	-0.96	-1.10	-13.00	-51.01
496.085	-66.96	-64.65	-0.73	-1.58	-13.00	-53.96
989.815	-67.45	-64.28	-1.23	-1.94	-13.00	-54.45
3500.200	-59.48	-68.30	12.40	-3.58	-13.00	-46.48
3520.000	-59.87	-68.63	12.40	-3.64	-13.00	-46.87
5250.300	-56.18	-64.51	12.80	-4.47	-13.00	-43.18
5280.000	-56.32	-64.73	12.92	-4.51	-13.00	-43.32

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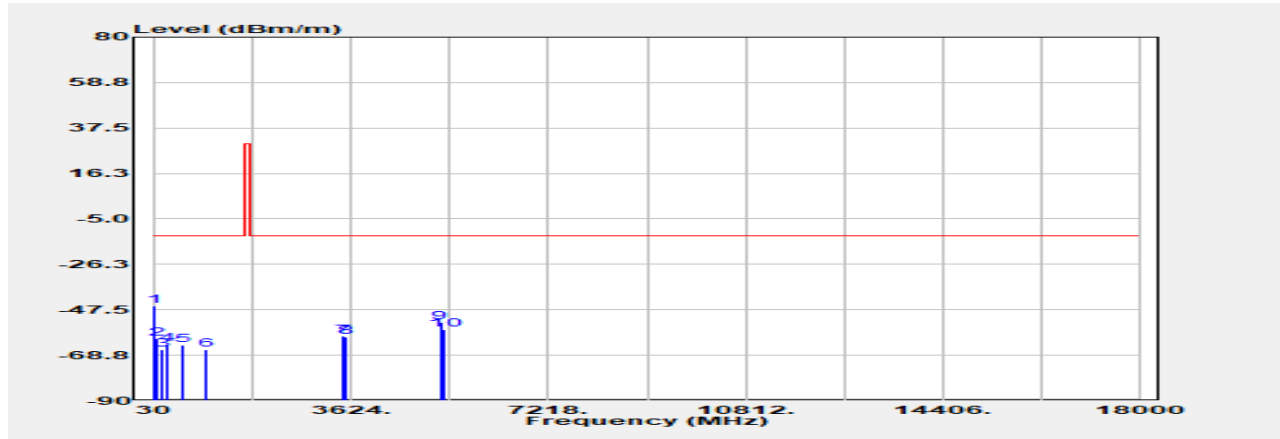
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Report Number :TERF2206000813E2  
 Operation Mode :66C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1750.2 MHz+1770 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Vertical  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.970	-45.72	-25.48	-19.92	-0.32	-13.00	-32.72
96.930	-60.88	-54.73	-5.58	-0.57	-13.00	-47.88
205.570	-66.09	-64.47	-0.77	-0.85	-13.00	-53.09
300.145	-63.46	-61.39	-1.00	-1.07	-13.00	-50.46
585.810	-63.85	-61.20	-1.02	-1.63	-13.00	-50.85
994.665	-66.27	-63.15	-1.18	-1.94	-13.00	-53.27
3500.400	-59.57	-68.39	12.40	-3.58	-13.00	-46.57
3540.000	-60.27	-68.96	12.40	-3.71	-13.00	-47.27
5250.600	-53.36	-61.69	12.80	-4.47	-13.00	-40.36
5310.000	-56.66	-65.13	13.00	-4.53	-13.00	-43.66

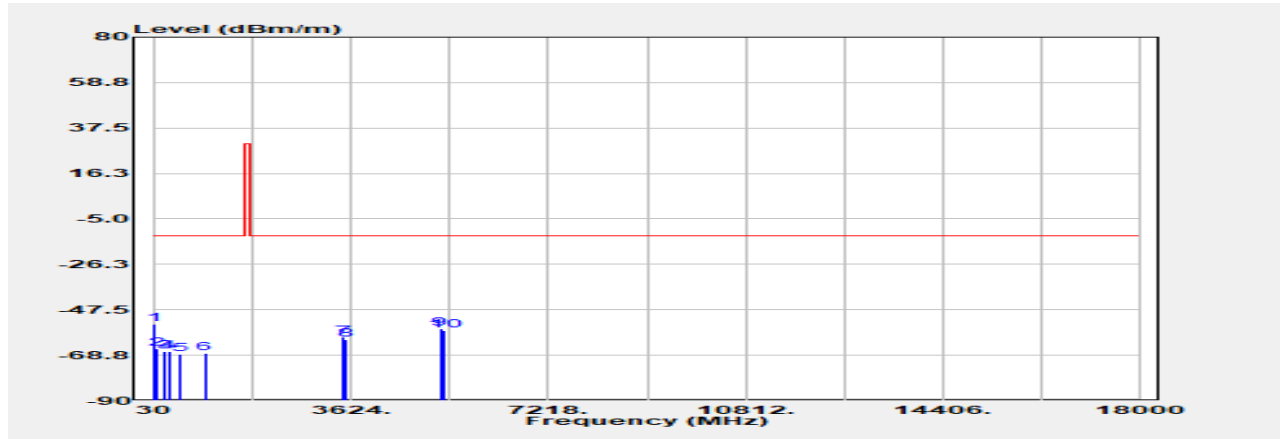
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Report Number :TERF2206000813E2  
 Operation Mode :66C  
 Test Mode :TX  
 EUT Pol :NB Plane  
 Test Frequency :1750.2 MHz+1770 MHz

Test Site :SAC D  
 Test Date :2022-07-14  
 Temp./Humi. :24.3/66  
 Antenna Pol. :Horizontal  
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.425	-54.19	-34.45	-19.42	-0.32	-13.00	-41.19
112.450	-65.82	-58.63	-6.57	-0.62	-13.00	-52.82
221.090	-67.17	-66.36	0.07	-0.88	-13.00	-54.17
306.935	-66.92	-64.83	-0.97	-1.12	-13.00	-53.92
500.450	-68.35	-66.16	-0.67	-1.52	-13.00	-55.35
966.535	-67.66	-64.34	-1.43	-1.89	-13.00	-54.66
3500.400	-60.25	-69.07	12.40	-3.58	-13.00	-47.25
3540.000	-61.44	-70.13	12.40	-3.71	-13.00	-48.44
5250.600	-56.31	-64.64	12.80	-4.47	-13.00	-43.31
5310.000	-57.05	-65.52	13.00	-4.53	-13.00	-44.05

~ End of Report ~

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