

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

EUT Description: Notebook Computer
Applicant: HP Inc.
1501 PAGE MILL ROAD PALO ALTO, CA 94304 USA
Manufacturer: HP Inc.
1501 PAGE MILL ROAD PALO ALTO, CA 94304 USA
Brand Name: HP
Model No.: HSN-I66C-4
Report Number: TERF2511003677ER
FCC ID B94HNI66C4SPY
Date of EUT Received: November 5, 2025
Date of Test: November 12, 2025~December 15, 2025
Issue Date: January 15, 2026

Approved By Alex Hsieh
Alex Hsieh

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 96.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2511003677ER	00	Original	January 7, 2026	Susan Lin	
TERF2511003677ER	01	Update section 3	January 15, 2026	Susan Lin	*

Note:

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

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

EUT Description:	Notebook Computer
Brand Name:	HP
Model No.:	HSN-I66C-4
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	354948970032020, 354948970033760, 354948970037950
Power Supply:	11.7 Vdc from Rechargeable Li-Polymer Battery 5 / 9 / 12 / 15 / 20 Vdc from AC/DC Adapter
Integrated WWAN Module:	Brand Name: Foxconn Model Name: DP25-42843-47
Test Software (Name/Version):	Connected with Callbox

1.2 Antenna Designation

Antenna Type	Supplier	Antenna Model No.	NB / TB Mode	Antenna No.	Remark
PIFA	Vendor 1	6036B0383901(260-27594)	NB	Ant5	Ant0
PIFA		6036B0383701(260-27596)	NB	Ant8	Ant1
PIFA	Vendor 2	6036B0385001(81EACC15.G29)	NB	Ant5	Ant2
PIFA		6036B0384801(81EACC15.G31)	NB	Ant8	Ant3

Note: Transmission frequencies in this test report are only available by the above antenna(s).

Band	Frequency Range (MHz)	Ant0 Antenna Gain (dBi)	Ant1 Antenna Gain (dBi)	Ant2 Antenna Gain (dBi)	Ant3 Antenna Gain (dBi)
LTE Band 48	3550~3700	0.94	-3.8	-1.22	-0.34
LTE Band 48C	3550~3700	0.94	-3.8	-1.22	-0.34
5G NR Band n48 Part 96	3550~3700	0.94	-3.8	-1.22	-0.34

Note: The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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1.3 Operation Frequencies

LTE

LTE Band 48			
Bandwidth (MHz)	Operation Frequency (MHz)		
5	3552.5	~	3697.5
10	3555.0	~	3695.0
15	3557.5	~	3692.5
20	3560.0	~	3690.0

ULCA

LTE Band 48C			
BW (MHz)	Operation Frequency		
25	3553.3	-	3696.7
30	3555.5	-	3694.5
35	3557.8	-	3692.2
40	3560.0	-	3690.0

FR1

Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n48	10.0	3555.00	3694.98
	15.0	3557.52	3692.49
	20.0	3560.01	3690.00
	30.0	3565.02	3684.99
	40.0	3570.00	3679.98

FR1 2TX

Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n48	10.0	3555.00	3694.98
	15.0	3557.52	3692.49
	20.0	3560.01	3690.00
	30.0	3565.02	3684.99
	40.0	3570.00	3679.98

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1.4 Maximum ERP/EIRP

LTE

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm/10MHz)		(W)
48	5	3552.5	3697.5	QPSK	22.72	EIRP	0.187
				16QAM	22.10	EIRP	0.162
				64QAM	21.24	EIRP	0.133
				256QAM	18.34	EIRP	0.068
48	10	3555.0	3695.0	QPSK	22.75	EIRP	0.188
				16QAM	22.10	EIRP	0.162
				64QAM	21.23	EIRP	0.133
				256QAM	18.29	EIRP	0.067
48	15	3557.5	3692.5	QPSK	22.83	EIRP	0.192
				16QAM	22.10	EIRP	0.162
				64QAM	21.15	EIRP	0.130
				256QAM	18.36	EIRP	0.069
48	20	3560.0	3690.0	QPSK	22.73	EIRP	0.187
				16QAM	22.02	EIRP	0.159
				64QAM	21.28	EIRP	0.134
				256QAM	18.39	EIRP	0.069

ULCA

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)
48C	25	3553.3	3690.0	QPSK	20.52	EIRP	0.113
				16QAM	19.85	EIRP	0.097
				64QAM	18.10	EIRP	0.065
				256QAM	16.01	EIRP	0.040
48C	30	3555.5	3690.0	QPSK	18.49	EIRP	0.071
				16QAM	17.91	EIRP	0.062
				64QAM	16.21	EIRP	0.042
				256QAM	14.20	EIRP	0.026
48C	35	3557.8	3690.0	QPSK	16.54	EIRP	0.045
				16QAM	16.16	EIRP	0.041
				64QAM	14.48	EIRP	0.028
				256QAM	12.47	EIRP	0.018
48C	40	3560.0	3690.0	QPSK	15.82	EIRP	0.038
				16QAM	15.35	EIRP	0.034
				64QAM	13.88	EIRP	0.024
				256QAM	11.86	EIRP	0.015

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5G NR Band n48_Part96_Uplink frequency band : 3550 to 3700 MHz						
Bandwidth (MHz)	Low Frequency (MHz)	Upper Frequency (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)
10	3555	3694.98	DFT-s PI/2 BPSK	21.05	21.99	0.158
			DFT-s QPSK	20.98	21.92	0.156
			DFT-s QAM	21.16	22.10	0.162
			CP QPSK	20.91	21.85	0.153
			CP QAM	20.95	21.89	0.155
15	3557.52	3692.49	DFT-s PI/2 BPSK	19.35	20.29	0.107
			DFT-s QPSK	19.10	20.04	0.101
			DFT-s QAM	19.06	20.00	0.100
			CP QPSK	18.95	19.89	0.097
			CP QAM	18.94	19.88	0.097
20	3560.01	3690	DFT-s PI/2 BPSK	17.95	18.89	0.077
			DFT-s QPSK	17.91	18.85	0.077
			DFT-s QAM	17.81	18.75	0.075
			CP QPSK	17.79	18.73	0.075
			CP QAM	17.64	18.58	0.072
30	3565.02	3684.99	DFT-s PI/2 BPSK	16.32	17.26	0.053
			DFT-s QPSK	16.25	17.19	0.052
			DFT-s QAM	16.22	17.16	0.052
			CP QPSK	16.19	17.13	0.052
			CP QAM	16.08	17.02	0.050
40	3570	3679.98	DFT-s PI/2 BPSK	14.89	15.83	0.038
			DFT-s QPSK	14.87	15.81	0.038
			DFT-s QAM	14.91	15.85	0.038
			CP QPSK	14.54	15.48	0.035
			CP QAM	14.74	15.68	0.037

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5G NR Band n48_Uplink frequency band : 3550 to 3700 MHz						
Bandwidth (MHz)	Low Frequency (MHz)	Upper Frequency (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)
10	3555	3694.98	CP QPSK	20.87	21.81	0.152
			CP QAM	20.40	21.34	0.136
15	3557.52	3692.49	CP QPSK	19.26	20.20	0.105
			CP QAM	19.02	19.96	0.099
20	3560.01	3690	CP QPSK	17.51	18.45	0.070
			CP QAM	17.24	18.18	0.066
30	3565.02	3684.99	CP QPSK	16.06	17.00	0.050
			CP QAM	15.84	16.78	0.048
40	3570	3679.98	CP QPSK	14.85	15.79	0.038
			CP QAM	14.24	15.18	0.033

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1.5 Test Methodology of Applied Standards

FCC 47 CFR Part 2, Part 96E

ANSI C63.26-2015

ANSI/ITA C603-E.2016

KDB 971168 D01 Power Meas license Digital System v03r01

KDB 940660 D01 Part 96 CBRS Eqpt v02

KDB 412172 D01 Determining ERP and EIRP V01r01

1.6 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation Number / Registration Number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei In- dustrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027 / 891563	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028 / 200037	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		

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

LTE

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 3	Brian Wang	21~26°C / 52~59%	2025/11/24 ~ 2025/11/27

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Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 3	Brian Wang	21~26°C / 51~57%	2025/11/24 ~ 2025/12/05

FR1

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 3	Brian Wang	21~25°C / 51~59%	2025/11/26 ~ 2025/12/08

FR1 2TX

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 3	Brian Wang	21~25°C / 52~58%	2025/11/28 ~ 2025/12/15

1.7 Special Accessories

No special accessories were used during testing.

1.8 Equipment Modifications

There was no modifications incorporated into the EUT.

1.9 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

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

2.3 Test Procedure

2.3.1 Conducted Measurement at Antenna Port

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

2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

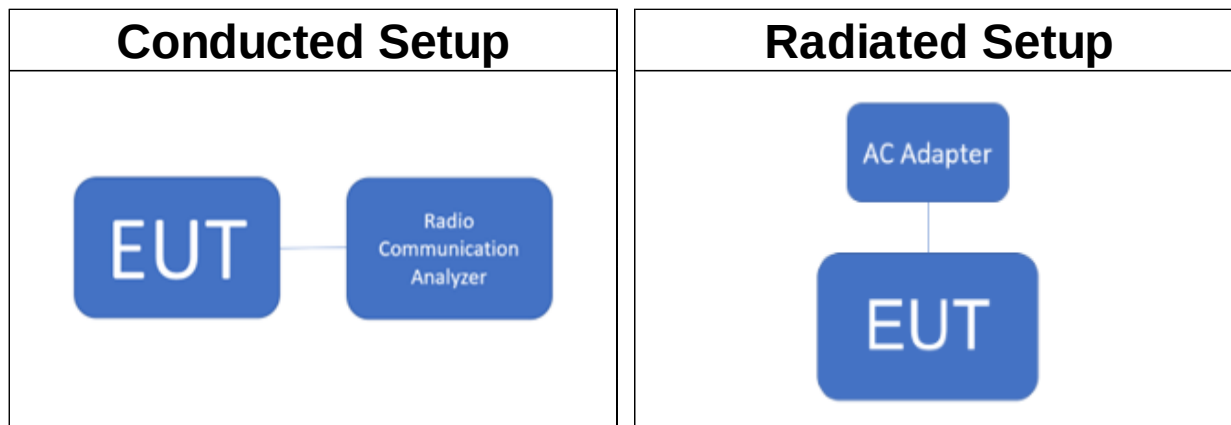
Note:

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

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2.5 Test Configuration



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

2.6 Control Unit(s)

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Adapter	HP	TPN-DA32	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a) §96.41(b)	Maximum Power Output	Compliant
§2.1053, §96.41(e)	Field Strength of Spurious Radiation	Compliant
§2.1051 §96.41(e)	Out of Band Emission at Antenna	Note 1
§2.1049,(h)	Occupied Bandwidth	Note 1
§2.1055(a)	Frequency Stability	Note 1
§96.41	Peak to Average Ratio	Note 1

Note

1. This report is a supplementary report, RF module (FCC ID: 2AQ68T99W640) installed to the EUT, the module RF conducted port test results will be submitted as a part of the report for device certification, for more details please refer to declaration letter exhibit.

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4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

4.2 Measurement Configuration

LTE

Test Items				Max. Output Power												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
48	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v	v

Test Items				Radiated Emission												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
48	v	v	v	-	-		v			v				v		

E-UTRA Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
				RBs allocated	RB Offset
48	55290,55990,56690	10	QPSK	1	0

ULCA

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	48C	v	v	v				v	v	v	v	v	v	v					v	v	

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	
Radiated Emission	48C	v	v	v				v				v							v		

E-UTRA Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
				RBs allocated	RB Offset
48C	55273_55390	5+20	QPSK	1_1	24_0
48C	55898_56015	5+20	QPSK	1_1	24_0
48C	56523_56640	5+20	QPSK	1_1	24_0

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FR1

Test Items	Band	Test Channel			Bandwidth (MHz)																Modulation DFT-s-OFDM				Modulation CP-OFDM				RB #								
		L	M	H	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100	BPSK	QPSK	16 QAM	64 QAM	256 QAM	QPSK	16 QAM	64 QAM	256 QAM	Edge 1RB Left	Edge 1RB Right	Inner 1RB Left	Inner 1RB Right	Inner Full	Outer Full			
Conducted Power	48	V	V	V		V	V	V		V		V								V	V	V	V	V	V	V	V	V	V					V	V	V	V
Radiated Emission		V	V	V		V																V	V	V							V				V	V	

5G NR Band	SCS	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
					RBs allocated	RB Offset
n48	30K	637000,641668,646332	10	DFT-s 16QAM	1	1

FR1 2TX

Test Items	Band	Test Channel			Bandwidth (MHz)												Modulation DFT-s-OFDM				Modulation CP-OFDM				RB #							
		L	M	H	5	10	15	20	25	30	40	50	60	70	80	90	100	BPSK	QPSK	16 QAM	64 QAM	256 QAM	QPSK	16 QAM	64 QAM	256 QAM	Edge 1RB_Left	Edge 1RB_Right	Inner 1RB_Left	Inner 1RB_Right	Inner Full	Outer Full
Conducted Power	48	v	v	v		v	v	v		v	v												v	v	v	v					v	v
Radiated Emission	(part96)	v	v	v		v																	v	v	v				v			

5G NR Band	SCS	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
					RBs allocated	RB Offset
n48	30K	637000	10	CP-QPSK	1	1
n48	30K	641668	10	CP-QPSK	1	1
n48	30K	646332	10	CP-QPSK	1	1

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
Power Density	+/- 0.61 dB
Output Power measurement	+/- 0.97 dB
ERP/ EIRP measurement	+/- 2.16 dB
	+/- 2.16 dB
Emission Bandwidth	+/- 1.38 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.77 dB
Peak to Average Ratio	+/- 0.97 dB
Frequency Stability vs. Temperature	+/- 1.48 Hz
Frequency Stability vs. Voltage	+/- 1.48 Hz
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 dB	33GHz-50GHz
	+/-	1.59 dB	50GHz-60GHz
	+/-	1.71 dB	60GHz-90GHz
	+/-	1.64 dB	90GHz-140GHz
	+/-	3.84 dB	140GHz-220GHz

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

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

LTE

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/18/2025	08/17/2026

ULCA

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/18/2025	08/17/2026

FR1

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321566	02/12/2025	02/11/2026

FR1 2TX

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321566	02/12/2025	02/11/2026

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6.2 Radiated Measurement

LTE

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	15	12/11/2024	12/10/2025
Band Reject Filter 3250-3750	Micro-Tronics	BRM15247	1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/21/2025	08/20/2026
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/ 4PEA+221106+760 96/6)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062 /2	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
EMI Test Receiver	R&S	ESCI 7	100759	09/02/2025	09/01/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/05/2025	02/04/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	10/03/2025	10/02/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/20/2025	05/19/2026
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/20/2024	12/19/2025
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980868	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A07676	07/14/2025	07/13/2026
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/18/2025	08/17/2026
Site Cal	SGS	SAC 3	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	15	12/11/2024	12/10/2025
Band Reject Filter 3250-3750	Micro-Tronics	BRM15247	1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/21/2025	08/20/2026
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/ 4PEA+221106+760 96/6)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062 /2	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
EMI Test Receiver	R&S	ESCI 7	100759	09/02/2025	09/01/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/05/2025	02/04/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	10/03/2025	10/02/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/20/2025	05/19/2026
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/20/2024	12/19/2025
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980868	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A07676	07/14/2025	07/13/2026
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/18/2025	08/17/2026
Site Cal	SGS	SAC 3	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	15	12/11/2024	12/10/2025
Band Reject Filter 3250-3750	Micro-Tronics	BRM15247	1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/21/2025	08/20/2026
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/ 4PEA+221106+760 96/6)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062 /2	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
EMI Test Receiver	R&S	ESCI 7	100759	09/02/2025	09/01/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/05/2025	02/04/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	10/03/2025	10/02/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/20/2025	05/19/2026
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/20/2024	12/19/2025
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980868	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A07676	07/14/2025	07/13/2026
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321561	07/17/2025	07/16/2026
Site Cal	SGS	SAC 3	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	22	12/07/2025	12/06/2026
Band Reject Filter 3300-3800	Titan	T04N3300380050S 01	23040703-14	12/07/2025	12/06/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/10/2025	03/09/2026
Coaxial Cables	EMCI	EMC104-SM-SM- 600 +EMC105-SM-SM- 2000 +EMC105-SM-SM- 1500 +EMC105-SM-SM- 10000	RX Cable 9K-18G (220237+220909+2 20906+240801)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062 /2	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
EMI Test Receiver	R&S	ESR 7	102525	02/08/2025	02/07/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071570	07/04/2025	07/03/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/20/2025	02/19/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/20/2025	05/19/2026
Horn Antenna	SCHWARZBECK	BBHA9170	185	08/07/2025	08/07/2026
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980867	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC330N	980826	07/14/2025	07/13/2026
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321566	02/12/2025	02/11/2026
Site Cal	SGS	SAC 2	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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

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7 MAXIMUM OUTPUT POWER MEASUREMENT

7.1 Standard Applicable

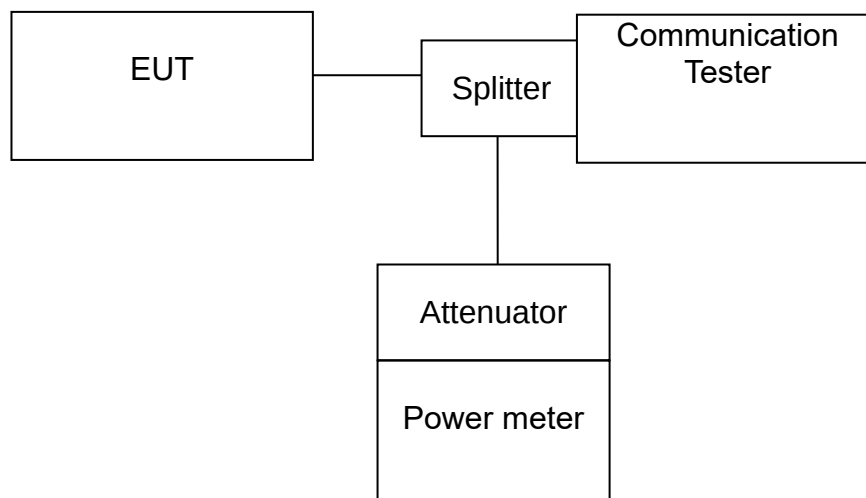
FCC §2.1046 & 96.41

- (a) FCC 96.41(a) Digital modulation. Systems operating in the Citizens Broadband Radio Service must use digital modulation techniques.
- (b) FCC 96.41(b) Power limits. Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph (b):

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD ¹	47

Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§96.15 and 96.67.

7.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

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7.3 Measurement Procedure

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.

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

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT-LC}$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

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

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

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7.4 Measurement Result:

LTE

Antenna gain (dBi)		0.94							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MHz)	EIRP Average (dBm/10MHz)	EIRP Limit (dBm/10MHz)	Margin (dBm/10MHz)
5	55265	3552.5	QPSK	1	0	21.30	22.24	23	-0.76
				1	24	21.35	22.29	23	-0.71
				12	6	20.56	21.50	23	-1.50
				25	0	20.48	21.42	23	-1.58
	55990	3625.0	QPSK	1	0	21.71	22.65	23	-0.35
				1	24	21.70	22.64	23	-0.36
				12	6	20.96	21.90	23	-1.10
				25	0	20.87	21.81	23	-1.19
	56715	3697.5	QPSK	1	0	21.78	22.72	23	-0.28
				1	24	21.77	22.71	23	-0.29
				12	6	21.04	21.98	23	-1.02
				25	0	20.96	21.90	23	-1.10
5	55265	3552.5	16QAM	1	0	20.55	21.49	23	-1.51
				1	24	20.61	21.55	23	-1.45
				12	6	19.66	20.60	23	-2.40
				25	0	19.55	20.49	23	-2.51
	55990	3625.0	16QAM	1	0	20.90	21.84	23	-1.16
				1	24	21.04	21.98	23	-1.02
				12	6	20.06	21.00	23	-2.00
				25	0	19.97	20.91	23	-2.09
	56715	3697.5	16QAM	1	0	21.16	22.10	23	-0.90
				1	24	21.02	21.96	23	-1.04
				12	6	20.16	21.10	23	-1.90
				25	0	20.08	21.02	23	-1.98
5	55265	3552.5	64QAM	1	0	19.50	20.44	23	-2.56
				1	24	19.68	20.62	23	-2.38
				12	6	18.64	19.58	23	-3.42
				25	0	18.60	19.54	23	-3.46
	55990	3625.0	64QAM	1	0	20.23	21.17	23	-1.83
				1	24	20.06	21.00	23	-2.00
				12	6	19.12	20.06	23	-2.94
				25	0	19.05	19.99	23	-3.01
	56715	3697.5	64QAM	1	0	19.91	20.85	23	-2.15
				1	24	20.30	21.24	23	-1.76
				12	6	19.17	20.11	23	-2.89
				25	0	19.16	20.10	23	-2.90
5	55265	3552.5	256QAM	1	0	16.47	17.41	23	-5.59
				1	24	16.64	17.58	23	-5.42
				12	6	16.70	17.64	23	-5.36
				25	0	16.70	17.64	23	-5.36
	55990	3625.0	256QAM	1	0	17.12	18.06	23	-4.94
				1	24	17.06	18.00	23	-5.00
				12	6	17.22	18.16	23	-4.84
				25	0	17.17	18.11	23	-4.89
	56715	3697.5	256QAM	1	0	17.34	18.28	23	-4.72
				1	24	17.32	18.26	23	-4.74
				12	6	17.40	18.34	23	-4.66
				25	0	17.28	18.22	23	-4.78

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Antenna gain (dBi)		0.94							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MHz)	EIRP Average (dBm/10MHz)	EIRP Limit (dBm/10MHz)	Margin (dBm/10MHz)
10	55290	3555.0	QPSK	1	0	21.34	22.28	23	-0.72
				1	49	21.41	22.35	23	-0.65
				25	12	20.55	21.49	23	-1.51
				50	0	20.48	21.42	23	-1.58
	55990	3625.0	QPSK	1	0	21.70	22.64	23	-0.36
				1	49	21.76	22.70	23	-0.30
				25	12	20.91	21.85	23	-1.15
				50	0	20.85	21.79	23	-1.21
	56690	3695.0	QPSK	1	0	21.81	22.75	23	-0.25
				1	49	21.75	22.69	23	-0.31
				25	12	21.01	21.95	23	-1.05
				50	0	20.91	21.85	23	-1.15
10	55290	3555.0	16QAM	1	0	20.60	21.54	23	-1.46
				1	49	20.87	21.81	23	-1.19
				25	12	19.60	20.54	23	-2.46
				50	0	19.52	20.46	23	-2.54
	55990	3625.0	16QAM	1	0	20.96	21.90	23	-1.10
				1	49	21.12	22.06	23	-0.94
				25	12	20.01	20.95	23	-2.05
				50	0	19.94	20.88	23	-2.12
	56690	3695.0	16QAM	1	0	21.16	22.10	23	-0.90
				1	49	21.02	21.96	23	-1.04
				25	12	20.09	21.03	23	-1.97
				50	0	19.99	20.93	23	-2.07
10	55290	3555.0	64QAM	1	0	19.75	20.69	23	-2.31
				1	49	19.63	20.57	23	-2.43
				25	12	18.64	19.58	23	-3.42
				50	0	18.60	19.54	23	-3.46
	55990	3625.0	64QAM	1	0	20.10	21.04	23	-1.96
				1	49	20.29	21.23	23	-1.77
				25	12	19.07	20.01	23	-2.99
				50	0	18.98	19.92	23	-3.08
	56690	3695.0	64QAM	1	0	19.90	20.84	23	-2.16
				1	49	20.20	21.14	23	-1.86
				25	12	19.16	20.10	23	-2.90
				50	0	19.08	20.02	23	-2.98
10	55290	3555.0	256QAM	1	0	16.49	17.43	23	-5.57
				1	49	16.68	17.62	23	-5.38
				25	12	16.71	17.65	23	-5.35
				50	0	16.64	17.58	23	-5.42
	55990	3625.0	256QAM	1	0	17.14	18.08	23	-4.92
				1	49	17.17	18.11	23	-4.89
				25	12	17.18	18.12	23	-4.88
				50	0	17.11	18.05	23	-4.95
	56690	3695.0	256QAM	1	0	17.33	18.27	23	-4.73
				1	49	17.15	18.09	23	-4.91
				25	12	17.35	18.29	23	-4.71
				50	0	17.19	18.13	23	-4.87

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Antenna gain (dBi)		0.94							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MHz)	EIRP Average (dBm/10MHz)	EIRP Limit (dBm/10MHz)	Margin (dBm/10MHz)
15	55315	3557.5	QPSK	1	0	19.55	20.49	23	-2.51
				1	74	19.74	20.68	23	-2.32
				36	18	18.70	19.64	23	-3.36
				75	0	18.74	19.68	23	-3.32
	56040	3630.0	QPSK	1	0	19.94	20.88	23	-2.12
				1	74	20.02	20.96	23	-2.04
				36	18	19.16	20.10	23	-2.90
				75	0	19.10	20.04	23	-2.96
	56665	3692.5	QPSK	1	0	20.13	21.07	23	-1.93
				1	74	20.02	20.96	23	-2.04
				36	18	19.21	20.15	23	-2.85
				75	0	19.15	20.09	23	-2.91
15	55315	3557.5	16QAM	1	0	18.77	19.71	23	-3.29
				1	74	19.13	20.07	23	-2.93
				36	18	17.75	18.69	23	-4.31
				75	0	17.80	18.74	23	-4.26
	56040	3630.0	16QAM	1	0	19.28	20.22	23	-2.78
				1	74	19.08	20.02	23	-2.98
				36	18	18.23	19.17	23	-3.83
				75	0	18.18	19.12	23	-3.88
	56665	3692.5	16QAM	1	0	19.40	20.34	23	-2.66
				1	74	19.36	20.30	23	-2.70
				36	18	18.30	19.24	23	-3.76
				75	0	18.25	19.19	23	-3.81
15	55315	3557.5	64QAM	1	0	17.90	18.84	23	-4.16
				1	74	18.16	19.10	23	-3.90
				36	18	16.79	17.73	23	-5.27
				75	0	16.84	17.78	23	-5.22
	56040	3630.0	64QAM	1	0	18.31	19.25	23	-3.75
				1	74	18.27	19.21	23	-3.79
				36	18	17.29	18.23	23	-4.77
				75	0	17.23	18.17	23	-4.83
	56665	3692.5	64QAM	1	0	18.36	19.30	23	-3.70
				1	74	18.45	19.39	23	-3.61
				36	18	17.38	18.32	23	-4.68
				75	0	17.33	18.27	23	-4.73
15	55315	3557.5	256QAM	1	0	14.94	15.88	23	-7.12
				1	74	15.02	15.96	23	-7.04
				36	18	14.82	15.76	23	-7.24
				75	0	14.90	15.84	23	-7.16
	56040	3630.0	256QAM	1	0	15.31	16.25	23	-6.75
				1	74	15.49	16.43	23	-6.57
				36	18	15.38	16.32	23	-6.68
				75	0	15.41	16.35	23	-6.65
	56665	3692.5	256QAM	1	0	15.52	16.46	23	-6.54
				1	74	15.66	16.60	23	-6.40
				36	18	15.52	16.46	23	-6.54
				75	0	15.48	16.42	23	-6.58

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Antenna gain (dBi)		0.94							
LTE Band 48_Uplink frequency band : 3550 to 3700 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/10MHz)	EIRP Average (dBm/10MHz)	EIRP Limit (dBm/10MHz)	Margin (dBm/10MHz)
20	55340	3560.0	QPSK	1	0	18.38	19.32	23	-3.68
				1	99	18.64	19.58	23	-3.42
				50	25	17.62	18.56	23	-4.44
				100	0	17.61	18.55	23	-4.45
	56040	3630.0	QPSK	1	0	18.66	19.60	23	-3.40
				1	99	18.75	19.69	23	-3.31
				50	25	17.91	18.85	23	-4.15
				100	0	17.86	18.80	23	-4.20
	56640	3690.0	QPSK	1	0	18.78	19.72	23	-3.28
				1	99	18.70	19.64	23	-3.36
				50	25	17.94	18.88	23	-4.12
				100	0	17.97	18.91	23	-4.09
20	55340	3560.0	16QAM	1	0	17.62	18.56	23	-4.44
				1	99	18.04	18.98	23	-4.02
				50	25	16.64	17.58	23	-5.42
				100	0	16.62	17.56	23	-5.44
	56040	3630.0	16QAM	1	0	17.96	18.90	23	-4.10
				1	99	18.05	18.99	23	-4.01
				50	25	16.92	17.86	23	-5.14
				100	0	16.91	17.85	23	-5.15
	56640	3690.0	16QAM	1	0	18.07	19.01	23	-3.99
				1	99	17.95	18.89	23	-4.11
				50	25	16.99	17.93	23	-5.07
				100	0	17.03	17.97	23	-5.03
20	55340	3560.0	64QAM	1	0	16.51	17.45	23	-5.55
				1	99	17.02	17.96	23	-5.04
				50	25	15.63	16.57	23	-6.43
				100	0	15.62	16.56	23	-6.44
	56040	3630.0	64QAM	1	0	17.17	18.11	23	-4.89
				1	99	17.13	18.07	23	-4.93
				50	25	15.98	16.92	23	-6.08
				100	0	15.96	16.90	23	-6.10
	56640	3690.0	64QAM	1	0	17.24	18.18	23	-4.82
				1	99	17.33	18.27	23	-4.73
				50	25	16.06	17.00	23	-6.00
				100	0	16.10	17.04	23	-5.96
20	55340	3560.0	256QAM	1	0	13.67	14.61	23	-8.39
				1	99	13.96	14.90	23	-8.10
				50	25	13.64	14.58	23	-8.42
				100	0	13.64	14.58	23	-8.42
	56040	3630.0	256QAM	1	0	14.23	15.17	23	-7.83
				1	99	14.26	15.20	23	-7.80
				50	25	14.12	15.06	23	-7.94
				100	0	14.07	15.01	23	-7.99
	56640	3690.0	256QAM	1	0	14.44	15.38	23	-7.62
				1	99	14.39	15.33	23	-7.67
				50	25	14.21	15.15	23	-7.85
				100	0	14.24	15.18	23	-7.82

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ULCA

EIRP Limit (W/10MHz)			23		OUTPUT POWER FOR LTE BAND 48C (5MHz + 20MHz)									
Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
5MHz+20MHz	55273	3553.3	55390	3565.0	QPSK	1	24	1	0	18.63	21.57	19.38	20.32	0.108
						25	0	100	0	17.18	17.51	16.38	17.32	0.054
	55898	3615.8	56015	3627.5		1	24	1	0	19.10	21.64	19.58	20.52	0.113
						25	0	100	0	17.19	17.37	16.31	17.25	0.053
	56523	3678.3	56640	3690.0		1	24	1	0	18.83	21.74	19.56	20.50	0.112
						25	0	100	0	17.38	17.63	16.54	17.48	0.056
5MHz+20MHz	55273	3553.3	55390	3565.0	16QAM	1	24	1	0	17.85	20.95	18.70	19.64	0.092
						25	0	100	0	16.25	16.50	15.41	16.35	0.043
	55898	3615.8	56015	3627.5		1	24	1	0	17.95	20.89	18.70	19.64	0.092
						25	0	100	0	16.19	16.44	15.35	16.29	0.043
	56523	3678.3	56640	3690.0		1	24	1	0	18.07	21.15	18.91	19.85	0.097
						25	0	100	0	16.35	16.67	15.54	16.48	0.045
5MHz+20MHz	55273	3553.3	55390	3565.0	64QAM	1	24	1	0	16.15	19.22	16.98	17.92	0.062
						25	0	100	0	16.20	16.57	15.42	16.36	0.043
	55898	3615.8	56015	3627.5		1	24	1	0	16.25	19.13	16.96	17.90	0.062
						25	0	100	0	16.18	16.49	15.37	16.31	0.043
	56523	3678.3	56640	3690.0		1	24	1	0	16.36	19.39	17.16	18.10	0.065
						25	0	100	0	16.32	16.68	15.53	16.47	0.044
5MHz+20MHz	55273	3553.3	55390	3565.0	256QAM	1	24	1	0	14.12	17.06	14.87	15.81	0.038
						25	0	100	0	14.25	14.56	13.44	14.38	0.027
	55898	3615.8	56015	3627.5		1	24	1	0	14.16	17.06	14.88	15.82	0.038
						25	0	100	0	14.23	14.47	13.38	14.32	0.027
	56523	3678.3	56640	3690.0		1	24	1	0	14.30	17.28	15.07	16.01	0.040
						25	0	100	0	14.41	14.71	13.59	14.53	0.028

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EIRP Limit (W/10MHz)			23	OUTPUT POWER FOR LTE BAND 48C (20MHz + 5MHz)										
Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
20MHz+5MHz	55340	3560.0	55457	3571.7	QPSK	1	99	1	0	21.41	18.37	19.18	20.12	0.103
						100	0	25	0	17.67	16.99	16.37	17.31	0.054
	55965	3622.5	56082	3634.2		1	99	1	0	21.34	18.79	19.28	20.22	0.105
						100	0	25	0	17.62	16.87	16.29	17.23	0.053
	56590	3685.0	56707	3696.7		1	99	1	0	21.54	19.05	19.50	20.44	0.111
						100	0	25	0	17.82	17.15	16.53	17.47	0.056
20MHz+5MHz	55340	3560.0	55457	3571.7	16QAM	1	99	1	0	20.85	17.84	18.63	19.57	0.091
						100	0	25	0	16.70	16.02	15.40	16.34	0.043
	55965	3622.5	56082	3634.2		1	99	1	0	20.74	17.77	18.53	19.47	0.089
						100	0	25	0	16.65	15.97	15.35	16.29	0.043
	56590	3685.0	56707	3696.7		1	99	1	0	20.97	17.93	18.74	19.68	0.093
						100	0	25	0	16.79	16.18	15.53	16.47	0.044
20MHz+5MHz	55340	3560.0	55457	3571.7	64QAM	1	99	1	0	19.12	16.14	16.91	17.85	0.061
						100	0	25	0	16.63	16.06	15.39	16.33	0.043
	55965	3622.5	56082	3634.2		1	99	1	0	18.96	15.97	16.75	17.69	0.059
						100	0	25	0	16.59	15.94	15.31	16.25	0.042
	56590	3685.0	56707	3696.7		1	99	1	0	19.22	16.15	16.98	17.92	0.062
						100	0	25	0	16.83	16.12	15.52	16.46	0.044
20MHz+5MHz	55340	3560.0	55457	3571.7	256QAM	1	99	1	0	17.12	14.02	14.87	15.81	0.038
						100	0	25	0	14.68	14.08	13.42	14.36	0.027
	55965	3622.5	56082	3634.2		1	99	1	0	16.94	14.03	14.76	15.70	0.037
						100	0	25	0	14.65	13.97	13.35	14.29	0.027
	56590	3685.0	56707	3696.7		1	99	1	0	17.19	14.18	14.97	15.91	0.039
						100	0	25	0	14.83	14.13	13.52	14.46	0.028

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EIRP Limit (W/10MHz)		23		OUTPUT POWER FOR LTE BAND 48C (10MHz + 20MHz)										
Antenna Gain		0.94												
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average (dBm/10MHz)	EIRP Average (W/10MHz)
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total		
10MHz+20MHz	55295	3555.5	55439	3569.9	QPSK	1	49	1	0	18.14	19.96	17.38	18.32	0.068
						50	0	100	0	16.87	16.72	15.03	15.97	0.040
	55896	3615.6	56040	3630.0		1	49	1	0	18.35	19.90	17.43	18.37	0.069
						50	0	100	0	16.95	16.66	15.05	15.99	0.040
	56496	3675.6	56640	3690.0		1	49	1	0	18.30	20.13	17.55	18.49	0.071
						50	0	100	0	17.08	16.86	15.21	16.15	0.041
10MHz+20MHz	55295	3555.5	55439	3569.9	16QAM	1	49	1	0	17.28	19.38	16.69	17.63	0.058
						50	0	100	0	15.89	15.75	14.06	15.00	0.032
	55896	3615.6	56040	3630.0		1	49	1	0	17.42	19.39	16.75	17.69	0.059
						50	0	100	0	15.95	15.67	14.05	14.99	0.032
	56496	3675.6	56640	3690.0		1	49	1	0	17.68	19.51	16.93	17.87	0.061
						50	0	100	0	16.12	15.91	14.26	15.20	0.033
10MHz+20MHz	55295	3555.5	55439	3569.9	64QAM	1	49	1	0	15.63	17.69	15.02	15.96	0.039
						50	0	100	0	15.93	15.73	14.07	15.01	0.032
	55896	3615.6	56040	3630.0		1	49	1	0	15.71	17.70	15.06	16.00	0.040
						50	0	100	0	15.90	15.62	14.00	14.94	0.031
	56496	3675.6	56640	3690.0		1	49	1	0	15.87	17.93	15.26	16.20	0.042
						50	0	100	0	16.09	15.88	14.23	15.17	0.033
10MHz+20MHz	55295	3555.5	55439	3569.9	256QAM	1	49	1	0	13.78	15.74	13.11	14.05	0.025
						50	0	100	0	13.97	13.79	12.12	13.06	0.020
	55896	3615.6	56040	3630.0		1	49	1	0	13.72	15.68	13.05	13.99	0.025
						50	0	100	0	13.97	13.66	12.06	13.00	0.020
	56496	3675.6	56640	3690.0		1	49	1	0	13.89	15.92	13.26	14.20	0.026
						50	0	100	0	14.10	13.90	12.24	13.18	0.021

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EIRP Limit (W/10MHz)			23	OUTPUT POWER FOR LTE BAND 48C (20MHz + 10MHz)										
Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
20MHz+10MHz	55340	3560.0	55484	3574.4	QPSK	1	99	1	0	20.04	18.01	17.38	18.32	0.068
						100	0	50	0	16.96	16.68	15.06	16.00	0.040
	55941	3620.1	56085	3634.5		1	99	1	0	19.95	17.91	17.29	18.23	0.066
						100	0	50	0	16.85	16.52	14.93	15.87	0.039
	56541	3680.1	56685	3694.5		1	99	1	0	20.18	18.16	17.53	18.47	0.070
						100	0	50	0	17.08	16.88	15.22	16.16	0.041
20MHz+10MHz	55340	3560.0	55484	3574.4	16QAM	1	99	1	0	19.53	17.47	16.86	17.80	0.060
						100	0	50	0	15.96	15.69	14.07	15.01	0.032
	55941	3620.1	56085	3634.5		1	99	1	0	19.44	17.38	16.77	17.71	0.059
						100	0	50	0	15.88	15.56	13.96	14.90	0.031
	56541	3680.1	56685	3694.5		1	99	1	0	19.65	17.57	16.97	17.91	0.062
						100	0	50	0	16.15	15.90	14.27	15.21	0.033
20MHz+10MHz	55340	3560.0	55484	3574.4	64QAM	1	99	1	0	17.75	15.80	15.12	16.06	0.040
						100	0	50	0	15.93	15.69	14.05	14.99	0.032
	55941	3620.1	56085	3634.5		1	99	1	0	17.66	15.78	15.06	16.00	0.040
						100	0	50	0	15.86	15.53	13.94	14.88	0.031
	56541	3680.1	56685	3694.5		1	99	1	0	17.92	15.92	15.27	16.21	0.042
						100	0	50	0	16.10	15.85	14.22	15.16	0.033
20MHz+10MHz	55340	3560.0	55484	3574.4	256QAM	1	99	1	0	15.67	13.69	13.03	13.97	0.025
						100	0	50	0	13.95	13.74	12.09	13.03	0.020
	55941	3620.1	56085	3634.5		1	99	1	0	15.47	13.52	12.84	13.78	0.024
						100	0	50	0	13.91	13.64	12.02	12.96	0.020
	56541	3680.1	56685	3694.5		1	99	1	0	15.95	13.80	13.25	14.19	0.026
						100	0	50	0	14.12	13.91	12.26	13.20	0.021

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EIRP Limit (W/10MHz)			23	OUTPUT POWER FOR LTE BAND 48 (15MHz + 20MHz)										
Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
15MHz+20MHz	55318	3557.8	55489	3574.9	QPSK	1	74	1	0	17.85	17.80	15.39	16.33	0.043
						75	0	100	0	16.90	16.64	14.34	15.28	0.034
	55893	3615.3	56064	3632.4		1	74	1	0	17.82	17.82	15.39	16.33	0.043
						75	0	100	0	16.88	16.55	14.29	15.23	0.033
	56469	3672.9	56640	3690.0		1	74	1	0	18.03	18.03	15.60	16.54	0.045
						75	0	100	0	17.06	16.82	14.51	15.45	0.035
15MHz+20MHz	55318	3557.8	55489	3574.9	16QAM	1	74	1	0	17.39	17.49	15.01	15.95	0.039
						75	0	100	0	15.89	15.69	13.36	14.30	0.027
	55893	3615.3	56064	3632.4		1	74	1	0	17.20	17.55	14.95	15.89	0.039
						75	0	100	0	15.91	15.55	13.30	14.24	0.027
	56469	3672.9	56640	3690.0		1	74	1	0	17.49	17.52	15.07	16.01	0.040
						75	0	100	0	16.14	15.68	13.49	14.43	0.028
15MHz+20MHz	55318	3557.8	55489	3574.9	64QAM	1	74	1	0	15.69	15.76	13.29	14.23	0.027
						75	0	100	0	15.89	15.73	13.38	14.32	0.027
	55893	3615.3	56064	3632.4		1	74	1	0	15.63	15.68	13.22	14.16	0.026
						75	0	100	0	15.93	15.55	13.31	14.25	0.027
	56469	3672.9	56640	3690.0		1	74	1	0	15.92	15.87	13.46	14.40	0.028
						75	0	100	0	16.11	15.83	13.54	14.48	0.028
15MHz+20MHz	55318	3557.8	55489	3574.9	256QAM	1	74	1	0	13.65	13.60	11.19	12.13	0.016
						75	0	100	0	13.95	13.72	11.41	12.35	0.017
	55893	3615.3	56064	3632.4		1	74	1	0	13.65	13.61	11.20	12.14	0.016
						75	0	100	0	13.90	13.54	11.29	12.23	0.017
	56469	3672.9	56640	3690.0		1	74	1	0	13.78	13.87	11.39	12.33	0.017
						75	0	100	0	14.11	13.81	11.53	12.47	0.018

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EIRP Limit (W/10MHz)			23	OUTPUT POWER FOR LTE BAND 48C (20MHz + 15MHz)										
Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
20MHz+15MHz	55340	3560.0	55511	3577.1	QPSK	1	99	1	0	17.87	17.85	15.43	16.37	0.043
						100	0	75	0	16.84	16.61	14.30	15.24	0.033
	55916	3617.6	56087	3634.7		1	99	1	0	17.76	17.75	15.32	16.26	0.042
						100	0	75	0	16.80	16.53	14.24	15.18	0.033
	56491	3675.1	56662	3692.2		1	99	1	0	18.00	17.99	15.56	16.50	0.045
						100	0	75	0	17.04	16.86	14.52	15.46	0.035
20MHz+15MHz	55340	3560.0	55511	3577.1	16QAM	1	99	1	0	17.39	17.29	14.91	15.85	0.038
						100	0	75	0	15.90	15.69	13.37	14.31	0.027
	55916	3617.6	56087	3634.7		1	99	1	0	17.27	17.31	14.86	15.80	0.038
						100	0	75	0	15.87	15.58	13.30	14.24	0.027
	56491	3675.1	56662	3692.2		1	99	1	0	17.61	17.70	15.22	16.16	0.041
						100	0	75	0	16.09	15.84	13.54	14.48	0.028
20MHz+15MHz	55340	3560.0	55511	3577.1	64QAM	1	99	1	0	15.83	15.70	13.34	14.28	0.027
						100	0	75	0	15.88	15.76	13.39	14.33	0.027
	55916	3617.6	56087	3634.7		1	99	1	0	15.65	15.49	13.14	14.08	0.026
						100	0	75	0	15.84	15.56	13.27	14.21	0.026
	56491	3675.1	56662	3692.2		1	99	1	0	15.89	15.91	13.47	14.41	0.028
						100	0	75	0	16.09	15.82	13.53	14.47	0.028
20MHz+15MHz	55340	3560.0	55511	3577.1	256QAM	1	99	1	0	13.74	13.64	11.26	12.20	0.017
						100	0	75	0	13.94	13.75	11.42	12.36	0.017
	55916	3617.6	56087	3634.7		1	99	1	0	13.64	13.67	11.22	12.16	0.016
						100	0	75	0	13.89	13.60	11.32	12.26	0.017
	56491	3675.1	56662	3692.2		1	99	1	0	13.81	13.77	11.36	12.30	0.017
						100	0	75	0	14.04	13.87	11.53	12.47	0.018

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Antenna Gain			0.94											
Bandwidth	PCC		SCC1		Modulation	PCC RB		SCC1 RB		Conducted Average (dBm/10MHz)			EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm/10MHz)	(W/10MHz)
20MHz+20MHz	55340	3560.0	55538	3579.8	QPSK	1	99	1	0	17.86	17.82	14.83	15.77	0.038
						100	0	100	0	16.82	16.67	13.74	14.68	0.029
	55891	3615.1	56089	3634.9		1	99	1	0	17.75	17.68	14.70	15.64	0.037
						100	0	100	0	16.88	16.54	13.70	14.64	0.029
	56442	3670.2	56640	3690.0		1	99	1	0	17.90	17.88	14.88	15.82	0.038
						100	0	100	0	17.01	16.78	13.89	14.83	0.030
20MHz+20MHz	55340	3560.0	55538	3579.8	16QAM	1	99	1	0	17.32	17.30	14.30	15.24	0.033
						100	0	100	0	15.97	15.73	12.84	13.78	0.024
	55891	3615.1	56089	3634.9		1	99	1	0	17.17	17.23	14.19	15.13	0.033
						100	0	100	0	15.93	15.62	12.77	13.71	0.023
	56442	3670.2	56640	3690.0		1	99	1	0	17.43	17.42	14.41	15.35	0.034
						100	0	100	0	16.07	15.88	12.97	13.91	0.025
20MHz+20MHz	55340	3560.0	55538	3579.8	64QAM	1	99	1	0	15.72	15.70	12.70	13.64	0.023
						100	0	100	0	15.93	15.73	12.82	13.76	0.024
	55891	3615.1	56089	3634.9		1	99	1	0	15.72	15.66	12.68	13.62	0.023
						100	0	100	0	15.95	15.62	12.78	13.72	0.024
	56442	3670.2	56640	3690.0		1	99	1	0	15.79	15.85	12.81	13.75	0.024
						100	0	100	0	16.06	15.83	12.94	13.88	0.024
20MHz+20MHz	55340	3560.0	55538	3579.8	256QAM	1	99	1	0	13.64	13.62	10.62	11.56	0.014
						100	0	100	0	13.89	13.74	10.81	11.75	0.015
	55891	3615.1	56089	3634.9		1	99	1	0	13.53	13.55	10.53	11.47	0.014
						100	0	100	0	13.87	13.56	10.71	11.65	0.015
	56442	3670.2	56640	3690.0		1	99	1	0	13.73	13.72	10.71	11.65	0.015
						100	0	100	0	14.03	13.83	10.92	11.86	0.015

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5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm/10MHz)			EIRP (dBm/10MHz)		
Antenna Gain(dBi)			0.94		Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
EIRP Limit (dBm/10MHz)			23		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637000	641668	646332	637000	641668	646332
					3555.00	3625.02	3694.98	3555.00	3625.02	3694.98
10	30	DFT-s PI/2 BPSK	1	1	21.01	20.57	21.05	21.95	21.51	21.99
			1	22	20.90	20.51	20.95	21.84	21.45	21.89
			12	6	20.88	20.55	20.72	21.82	21.49	21.66
			24	0	20.87	20.58	20.79	21.81	21.52	21.73
		DFT-s QPSK	1	1	20.87	20.58	20.74	21.81	21.52	21.68
			1	22	20.98	20.53	20.67	21.92	21.47	21.61
			12	6	20.79	20.47	20.68	21.73	21.41	21.62
			24	0	20.79	20.51	20.81	21.73	21.45	21.75
		DFT-s 16QAM	1	1	21.16	20.56	20.63	22.10	21.50	21.57
		DFT-s 64QAM	1	1	20.42	20.03	20.08	21.36	20.97	21.02
		DFT-s 256QAM	1	1	18.00	18.26	18.21	18.94	19.20	19.15
		CP QPSK	1	1	20.37	20.91	20.85	21.31	21.85	21.79
		CP 16QAM	1	1	20.95	20.56	20.93	21.89	21.50	21.87
		CP 64QAM	1	1	19.15	19.30	19.42	20.09	20.24	20.36
		CP 256QAM	1	1	16.29	16.76	16.92	17.23	17.70	17.86
5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm/10MHz)			EIRP (dBm/10MHz)		
Antenna Gain(dBi)			0.94		Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637168	641668	646166	637168	641668	646166
					3557.52	3625.02	3692.49	3557.52	3625.02	3692.49
15	30	DFT-s PI/2 BPSK	1	1	19.35	18.96	18.99	20.29	19.90	19.93
			1	36	19.06	18.74	18.92	20.00	19.68	19.86
			18	9	19.02	18.75	18.87	19.96	19.69	19.81
			36	0	19.00	18.67	18.79	19.94	19.61	19.73
		DFT-s QPSK	1	1	18.94	18.95	18.80	19.88	19.89	19.74
			1	36	19.10	18.79	18.87	20.04	19.73	19.81
			18	9	18.93	18.66	18.83	19.87	19.60	19.77
			36	0	19.01	18.69	18.79	19.95	19.63	19.73
		DFT-s 16QAM	1	1	19.06	18.72	18.97	20.00	19.66	19.91
		DFT-s 64QAM	1	1	18.77	18.15	18.24	19.71	19.09	19.18
		DFT-s 256QAM	1	1	16.60	16.19	16.48	17.54	17.13	17.42
		CP QPSK	1	1	18.95	18.66	18.56	19.89	19.60	19.50
		CP 16QAM	1	1	18.94	18.78	18.73	19.88	19.72	19.67
		CP 64QAM	1	1	17.68	16.96	17.66	18.62	17.90	18.60
		CP 256QAM	1	1	14.40	13.81	14.02	15.34	14.75	14.96

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5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm/10MHz)			EIRP (dBm/10MHz)		
Antenna Gain(dBi)			0.94		Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637334	641668	646000	637334	641668	646000
					3560.01	3625.02	3690.00	3560.01	3625.02	3690.00
20	30	DFT-s PI/2 BPSK	1	1	17.95	17.92	17.68	18.89	18.86	18.62
			1	49	17.83	17.88	17.67	18.77	18.82	18.61
			25	12	17.62	17.74	17.49	18.56	18.68	18.43
			50	0	17.69	17.77	17.68	18.63	18.71	18.62
		DFT-s QPSK	1	1	17.66	17.75	17.38	18.60	18.69	18.32
			1	49	17.83	17.91	17.61	18.77	18.85	18.55
			25	12	17.82	17.83	17.60	18.76	18.77	18.54
			50	0	17.82	17.76	17.60	18.76	18.70	18.54
		DFT-s 16QAM	1	1	17.81	17.27	17.29	18.75	18.21	18.23
		DFT-s 64QAM	1	1	17.17	17.26	16.60	18.11	18.20	17.54
		DFT-s 256QAM	1	1	15.45	15.43	14.84	16.39	16.37	15.78
		CP QPSK	1	1	17.28	17.79	17.27	18.22	18.73	18.21
		CP 16QAM	1	1	17.64	17.60	17.36	18.58	18.54	18.30
		CP 64QAM	1	1	16.22	16.23	15.68	17.16	17.17	16.62
		CP 256QAM	1	1	12.82	12.77	12.96	13.76	13.71	13.90
5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm/10MHz)			EIRP (dBm/10MHz)		
Antenna Gain(dBi)			0.94		Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
EIRP Limit (dBm)			23dBm/10MHz		Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637668	641668	645666	637668	641668	645666
					3565.02	3625.02	3684.99	3565.02	3625.02	3684.99
30	30	DFT-s PI/2 BPSK	1	1	16.32	16.00	15.98	17.26	16.94	16.92
			1	76	16.28	15.61	15.90	17.22	16.55	16.84
			36	18	16.25	15.92	15.76	17.19	16.86	16.70
			75	0	16.26	15.88	15.86	17.20	16.82	16.80
		DFT-s QPSK	1	1	16.06	15.95	15.76	17.00	16.89	16.70
			1	76	16.25	15.65	16.06	17.19	16.59	17.00
			36	18	16.15	15.84	15.79	17.09	16.78	16.73
			75	0	16.16	15.89	15.84	17.10	16.83	16.78
		DFT-s 16QAM	1	1	16.22	15.90	15.68	17.16	16.84	16.62
		DFT-s 64QAM	1	1	15.58	15.72	15.39	16.52	16.66	16.33
		DFT-s 256QAM	1	1	13.26	13.55	12.90	14.20	14.49	13.84
		CP QPSK	1	1	16.09	16.19	15.72	17.03	17.13	16.66
		CP 16QAM	1	1	15.95	16.08	15.97	16.89	17.02	16.91
		CP 64QAM	1	1	14.19	14.70	14.00	15.13	15.64	14.94
		CP 256QAM	1	1	11.06	11.53	10.79	12.00	12.47	11.73

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5G NR Band n48_part96: 3550 to 3700 MHz					Conducted Average (dBm/10MHz)			EIRP (dBm/10MHz)		
Antenna Gain(dBi)		0.94			Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
EIRP Limit (dBm)		23dBm/10MHz			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	638000	641668	645332	638000	641668	645332
					3570.00	3625.02	3679.98	3570.00	3625.02	3679.98
40	30	DFT-s PI/2 BPSK	1	1	14.89	14.71	14.47	15.83	15.65	15.41
			1	104	14.77	14.44	14.74	15.71	15.38	15.68
			50	25	14.68	14.70	14.58	15.62	15.64	15.52
			100	0	14.87	14.65	14.50	15.81	15.59	15.44
		DFT-s QPSK	1	1	14.65	14.87	14.41	15.59	15.81	15.35
			1	104	14.70	14.51	14.66	15.64	15.45	15.60
			50	25	14.79	14.57	14.40	15.73	15.51	15.34
			100	0	14.81	14.60	14.47	15.75	15.54	15.41
		DFT-s 16QAM	1	1	14.91	14.70	14.52	15.85	15.64	15.46
		DFT-s 64QAM	1	1	14.07	14.09	13.87	15.01	15.03	14.81
		DFT-s 256QAM	1	1	12.28	12.36	11.99	13.22	13.30	12.93
		CP QPSK	1	1	14.49	14.54	14.46	15.43	15.48	15.40
		CP 16QAM	1	1	14.46	14.74	14.59	15.40	15.68	15.53
		CP 64QAM	1	1	13.26	13.40	12.84	14.20	14.34	13.78
		CP 256QAM	1	1	10.40	10.49	10.17	11.34	11.43	11.11

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5G NR Band n48: 3550 to 3700 MHz					Conducted Average (dBm)								
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	Channel (ARFCH)/ Frequency(MHz)								
					Low			Mid			High		
					637000			641668			646332		
					3555.00			3625.02			3694.98		
					TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
10	30	CP QPSK	1	1	18.17	17.53	20.87	17.59	17.43	20.52	17.99	17.44	20.73
			1	22	18.00	17.49	20.76	17.69	17.54	20.63	18.14	17.46	20.82
			12	6	17.53	17.18	20.37	17.51	17.17	20.35	17.49	17.17	20.34
			24	0	16.54	16.14	19.35	16.52	16.15	19.35	16.53	16.11	19.34
		CP 16QAM	1	1	17.33	17.45	20.40	17.29	17.47	20.39	17.30	17.47	20.40
		CP 64QAM	1	1	16.01	16.34	19.19	15.91	16.40	19.17	15.92	16.37	19.16
		CP 256QAM	1	1	13.26	13.02	16.15	13.29	12.99	16.15	13.28	13.01	16.16

5G NR Band n48: 3550 to 3700 MHz					EIRP (dBm)								
Directional Gain(dBi)			0.94		Channel (ARFCH)/ Frequency(MHz)								
EIRP Limit (dBm)			23dBm/10MHz		Low			Mid			High		
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637000			641668			646332		
					3555.00			3625.02			3694.98		
					Total			Total			Total		
10	30	CP QPSK	1	1	21.81			21.46			21.67		
			1	22	21.70			21.57			21.76		
			12	6	21.31			21.29			21.28		
			24	0	20.29			20.29			20.28		
		CP 16QAM	1	1	21.34			21.33			21.34		
		CP 64QAM	1	1	20.13			20.11			20.10		
		CP 256QAM	1	1	17.09			17.09			17.10		

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5G NR Band n48: 3550 to 3700 MHz					Conducted Average (dBm)								
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	Channel (ARFCH)/ Frequency(MHz)								
					Low			Mid			High		
					637168			641668			646166		
					3557.52			3625.02			3692.49		
					TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
15	30	CP QPSK	1	1	16.37	16.10	19.25	16.38	16.11	19.26	16.37	16.08	19.24
			1	36	16.34	15.82	19.10	16.32	15.82	19.09	16.34	15.82	19.10
			19	9	15.61	15.40	18.52	15.63	15.48	18.57	15.67	15.44	18.57
			38	0	14.73	14.58	17.67	14.73	14.46	17.61	14.72	14.46	17.60
		CP 16QAM	1	1	16.04	15.94	19.00	16.02	15.96	19.00	16.07	15.96	19.02
		CP 64QAM	1	1	14.39	14.36	17.38	14.39	14.35	17.38	14.42	14.36	17.40
		CP 256QAM	1	1	11.37	11.30	14.34	11.41	11.28	14.35	11.42	11.29	14.36

5G NR Band n48: 3550 to 3700 MHz					EIRP (dBm)								
Directional Gain(dBi)			0.94		Channel (ARFCH)/ Frequency(MHz)								
EIRP Limit (dBm)			23dBm/10MHz		Low			Mid			High		
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637168			641668			646166		
					3557.52			3625.02			3692.49		
					Total			Total			Total		
15	30	CP QPSK	1	1	20.19			20.20			20.18		
			1	36	20.04			20.03			20.04		
			19	9	19.46			19.51			19.51		
			38	0	18.61			18.55			18.54		
		CP 16QAM	1	1	19.94			19.94			19.96		
		CP 64QAM	1	1	18.32			18.32			18.34		
		CP 256QAM	1	1	15.28			15.29			15.30		

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5G NR Band n48: 3550 to 3700 MHz					Conducted Average (dBm)								
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	Channel (ARFCH)/ Frequency(MHz)								
					Low			Mid			High		
					637334			641668			646000		
					3560.01			3625.02			3690.00		
					TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
20	30	CP QPSK	1	1	14.68	14.31	17.51	14.36	14.22	17.30	14.54	14.19	17.38
			1	49	14.56	14.18	17.38	14.65	14.29	17.48	14.67	14.31	17.50
			25	12	14.48	14.21	17.36	14.51	14.21	17.37	14.52	14.20	17.37
			51	0	13.59	13.32	16.47	13.61	13.31	16.47	13.60	13.29	16.46
		CP 16QAM	1	1	14.07	14.34	17.22	14.08	14.34	17.22	14.09	14.36	17.24
		CP 64QAM	1	1	12.95	12.13	15.57	12.95	12.14	15.57	12.97	12.13	15.58
		CP 256QAM	1	1	10.24	9.51	12.90	10.23	9.53	12.90	10.24	9.54	12.91

5G NR Band n48: 3550 to 3700 MHz					EIRP (dBm)								
Directional Gain(dBi)			0.94		Channel (ARFCH)/ Frequency(MHz)								
EIRP Limit (dBm)			23dBm/10MHz		Low			Mid			High		
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637334			641668			646000		
					3560.01			3625.02			3690.00		
					Total			Total			Total		
20	30	CP QPSK	1	1	18.45			18.24			18.32		
			1	49	18.32			18.42			18.44		
			25	12	18.30			18.31			18.31		
			51	0	17.41			17.41			17.40		
		CP 16QAM	1	1	18.16			18.16			18.18		
		CP 64QAM	1	1	16.51			16.51			16.52		
		CP 256QAM	1	1	13.84			13.84			13.85		

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5G NR Band n48: 3550 to 3700 MHz					Conducted Average (dBm)								
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	Channel (ARFCH)/ Frequency(MHz)								
					Low			Mid			High		
					637668			641668			645666		
					3565.02			3625.02			3684.99		
					TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
30	30	CP QPSK	1	1	13.23	12.86	16.06	12.88	12.54	15.72	12.87	12.68	15.79
			1	76	12.87	12.64	15.77	13.14	12.94	16.05	13.12	12.96	16.05
			39	19	12.98	12.51	15.76	12.99	12.53	15.78	12.94	12.52	15.74
			78	0	12.01	11.57	14.80	11.99	11.57	14.79	11.92	11.57	14.76
		CP 16QAM	1	1	12.84	12.83	15.84	12.76	12.75	15.76	12.79	12.78	15.79
		CP 64QAM	1	1	11.50	10.68	14.12	11.51	10.69	14.13	11.53	10.72	14.15
		CP 256QAM	1	1	8.50	8.19	11.36	8.50	8.19	11.36	8.51	8.21	11.37

5G NR Band n48: 3550 to 3700 MHz					EIRP (dBm)								
Directional Gain(dBi)			0.94		Channel (ARFCH)/ Frequency(MHz)								
EIRP Limit (dBm)			23dBm/10MHz		Low			Mid			High		
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	637668			641668			645666		
					3565.02			3625.02			3684.99		
					Total			Total			Total		
30	30	CP QPSK	1	1	17.00			16.66			16.73		
			1	76	16.71			16.99			16.99		
			39	19	16.70			16.72			16.68		
			78	0	15.74			15.73			15.70		
		CP 16QAM	1	1	16.78			16.70			16.73		
		CP 64QAM	1	1	15.06			15.07			15.09		
		CP 256QAM	1	1	12.30			12.30			12.31		

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台灣檢驗科技股份有限公司

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5G NR Band n48: 3550 to 3700 MHz					Conducted Average (dBm)								
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	Channel (ARFCH)/ Frequency(MHz)								
					Low			Mid			High		
					638000			641668			645332		
					3570.00			3625.02			3679.98		
					TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
40	30	CP QPSK	1	1	11.98	11.69	14.85	11.59	11.27	14.44	11.68	11.47	14.59
			1	104	11.77	11.46	14.63	11.87	11.51	14.70	11.97	11.66	14.83
			53	26	11.70	11.25	14.49	11.70	11.28	14.50	11.71	11.22	14.48
			106	0	10.81	10.55	13.69	10.81	10.46	13.65	10.82	10.40	13.62
		CP 16QAM	1	1	11.42	11.04	14.24	11.37	10.99	14.19	11.39	11.02	14.22
		CP 64QAM	1	1	10.07	9.73	12.91	10.03	9.75	12.90	10.04	9.72	12.89
		CP 256QAM	1	1	7.17	6.69	9.95	7.19	6.65	9.94	7.17	6.69	9.95

5G NR Band n48: 3550 to 3700 MHz					EIRP (dBm)								
Directional Gain(dBi)			0.94		Channel (ARFCH)/ Frequency(MHz)								
EIRP Limit (dBm)			23dBm/10MHz		Low			Mid			High		
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	638000			641668			645332		
					3570.00			3625.02			3679.98		
					Total			Total			Total		
40	30	CP QPSK	1	1	15.79			15.38			15.53		
			1	104	15.57			15.64			15.77		
			53	26	15.43			15.44			15.42		
			106	0	14.63			14.59			14.56		
		CP 16QAM	1	1	15.18			15.13			15.16		
		CP 64QAM	1	1	13.85			13.84			13.83		
		CP 256QAM	1	1	10.89			10.88			10.89		

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8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

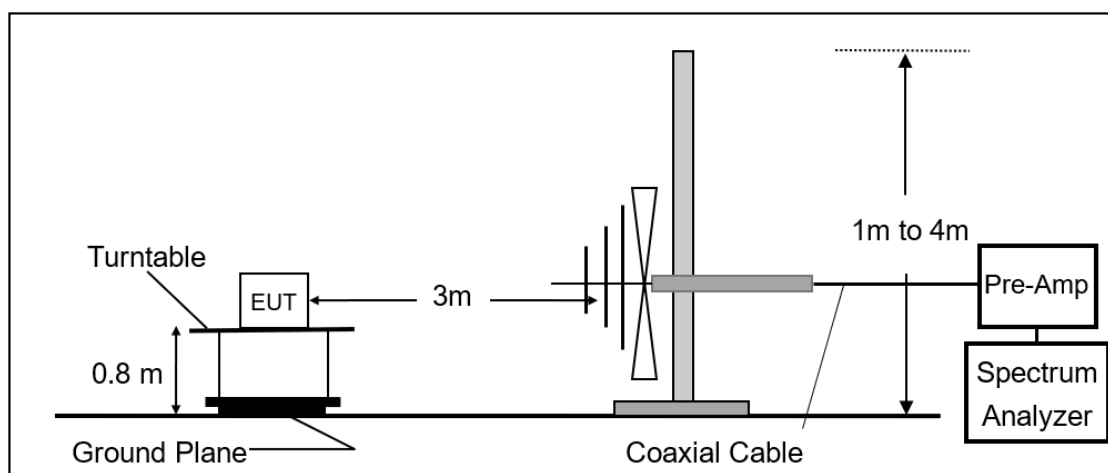
8.1 Standard Applicable

FCC Part 2.1053, Part 96.41, C63.26 Clause 5.7

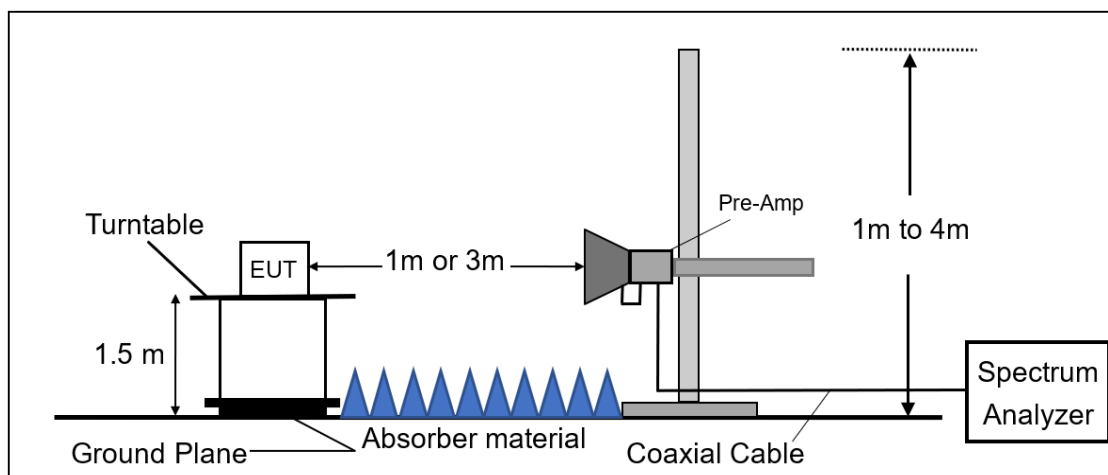
1. within 0 MHz to 10 MHz above and below the **assigned channel** ≤ -13 dBm/MHz
2. greater than 10 MHz above and below the **assigned channel** ≤ -25 dBm/MHz
3. any emission below 3530 MHz and above 3720 MHz ≤ -40 dBm/MHz

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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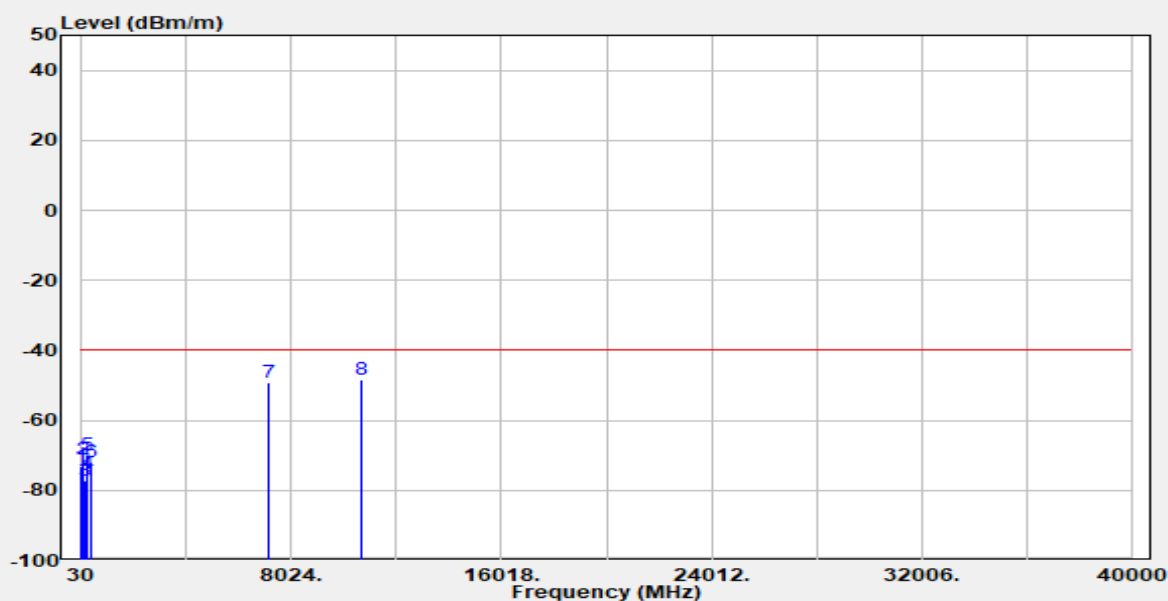
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8.4 Measurement Result:

LTE

Report Number :TERF2511003677ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3555 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



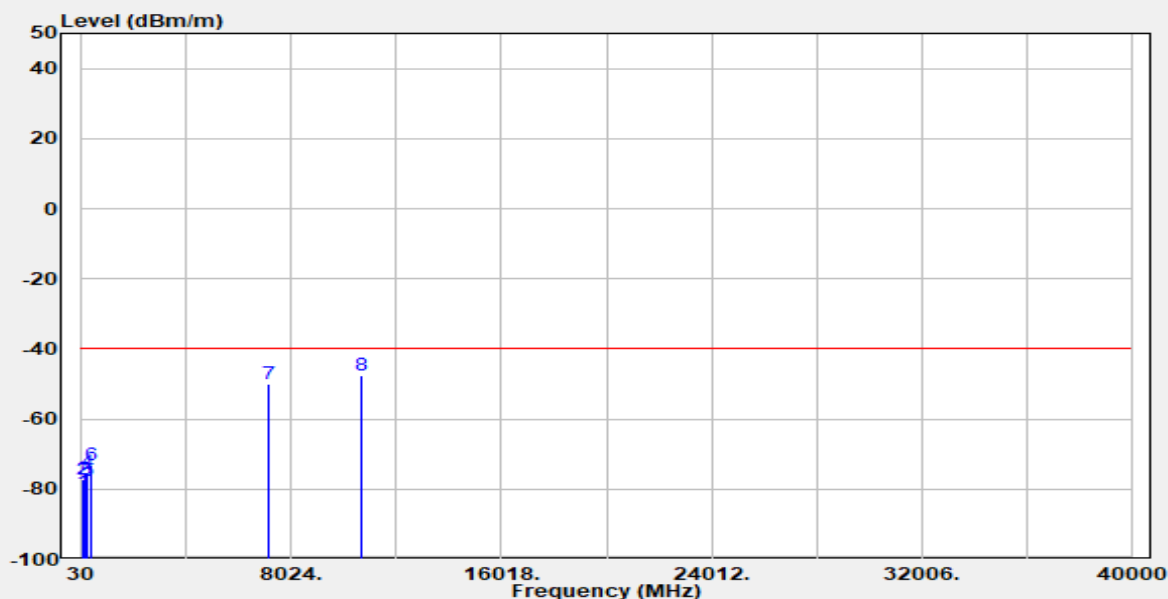
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-73.28	-57.86	-14.37	-1.05	-40.00	-33.28
73.65	-71.16	-64.27	-5.32	-1.57	-40.00	-31.16
180.35	-77.12	-75.94	1.27	-2.45	-40.00	-37.12
218.18	-75.05	-77.00	4.66	-2.70	-40.00	-35.05
256.01	-70.10	-70.91	3.74	-2.93	-40.00	-30.10
405.39	-71.75	-72.02	3.94	-3.67	-40.00	-31.75
7110.00	-49.11	-44.21	11.10	-16.00	-40.00	-9.11
10665.00	-48.27	-39.90	11.33	-19.70	-40.00	-8.27

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Report Number :TERF2511003677ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3555 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Horizontal
 Engineer :Nick Lin



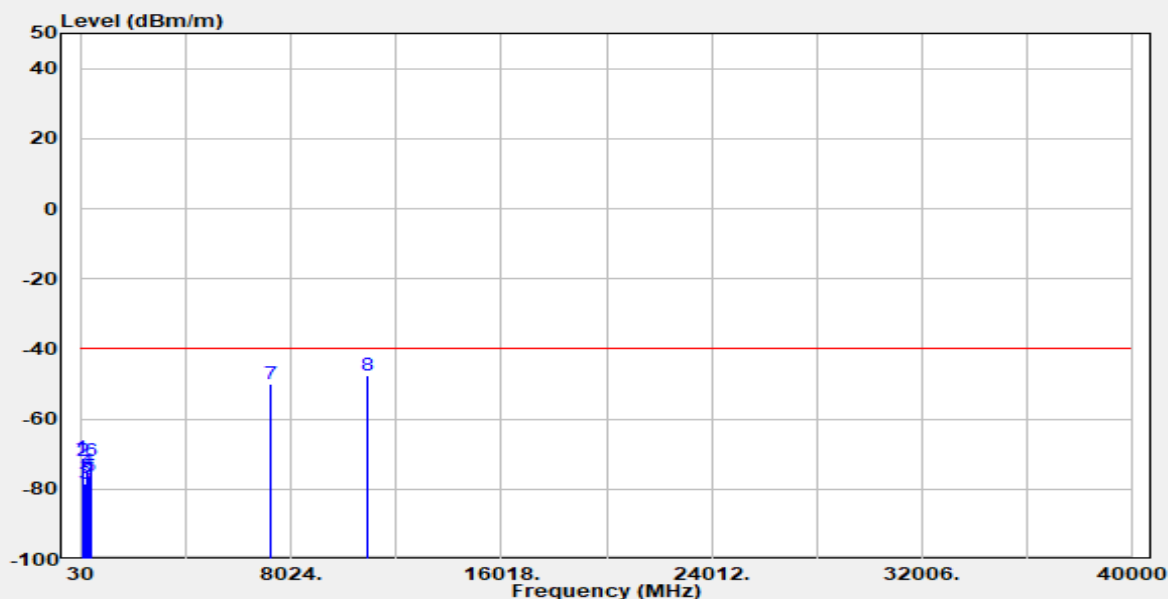
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
74.62	-80.81	-74.17	-5.07	-1.58	-40.00	-40.81
105.66	-77.43	-74.01	-1.54	-1.88	-40.00	-37.43
177.44	-77.40	-75.87	0.91	-2.43	-40.00	-37.40
197.81	-75.36	-76.38	3.60	-2.57	-40.00	-35.36
249.22	-77.54	-78.30	3.64	-2.89	-40.00	-37.54
405.39	-73.21	-73.48	3.94	-3.67	-40.00	-33.21
7110.00	-50.15	-45.25	11.10	-16.00	-40.00	-10.15
10665.00	-47.51	-39.14	11.33	-19.70	-40.00	-7.51

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Report Number :TERF2511003677ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3625 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



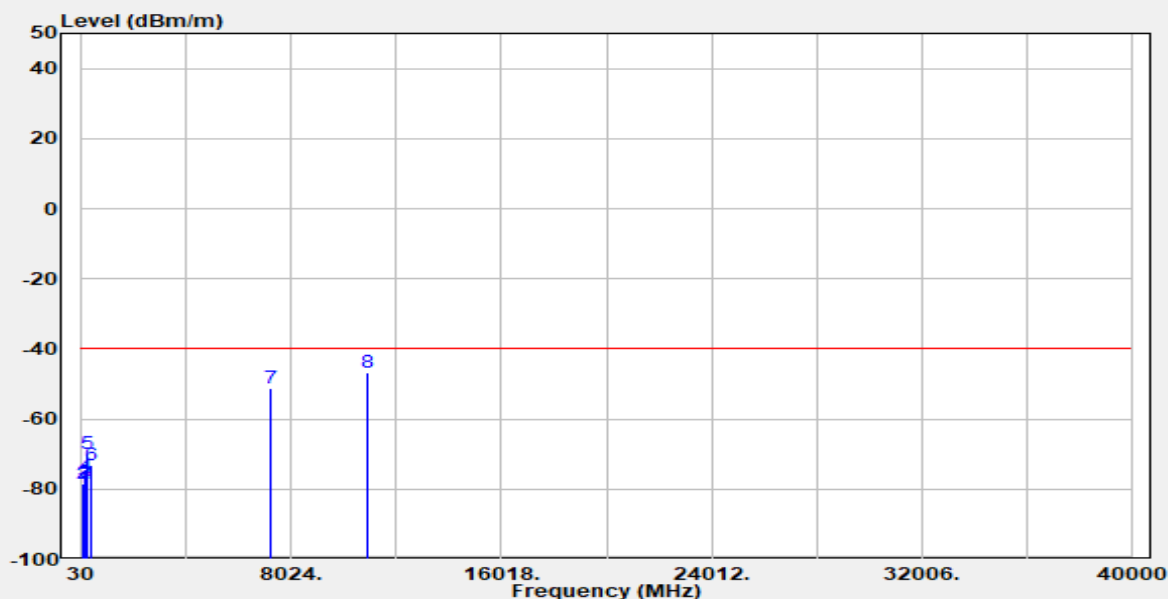
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
37.76	-71.25	-56.70	-13.43	-1.12	-40.00	-31.25
73.65	-71.84	-64.95	-5.32	-1.57	-40.00	-31.84
140.58	-78.49	-74.56	-1.77	-2.16	-40.00	-38.49
228.85	-74.96	-76.98	4.78	-2.76	-40.00	-34.96
279.29	-76.22	-76.88	3.71	-3.06	-40.00	-36.22
405.39	-72.12	-72.39	3.94	-3.67	-40.00	-32.12
7250.00	-49.98	-44.73	10.90	-16.15	-40.00	-9.98
10875.00	-47.69	-38.90	11.15	-19.94	-40.00	-7.69

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Report Number :TERF2511003677ER
Operation Mode :LTE B48
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3625 MHz

Test Site :SAC 3
Test Date :2025-12-02
Temp./Humi. :22.7°C/66%
Antenna Pol. :Horizontal
Engineer :Nick Lin



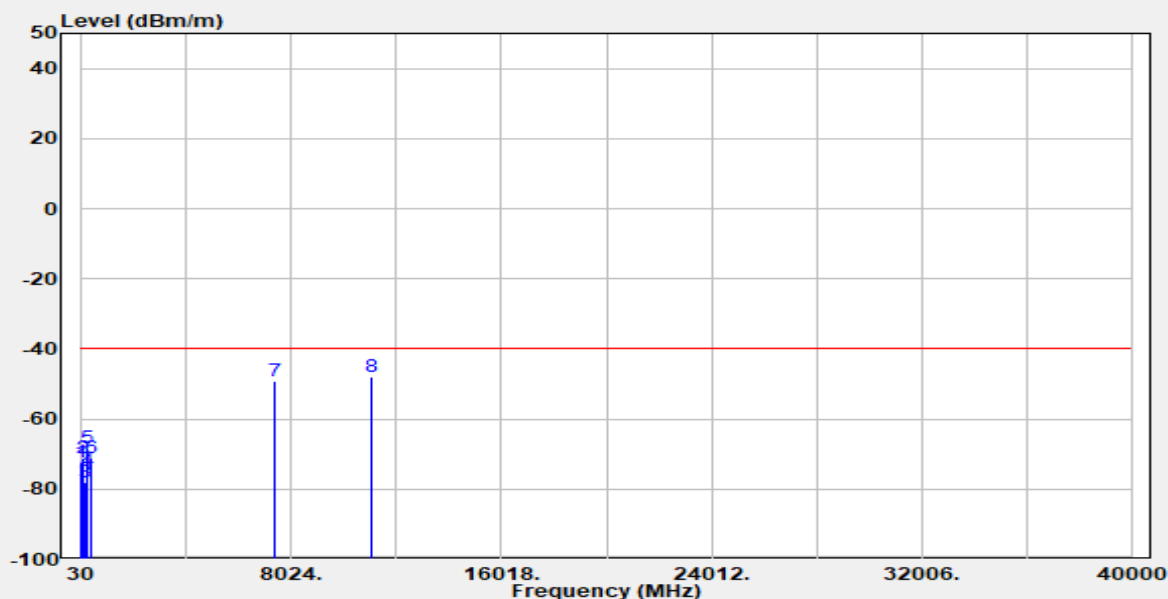
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
61.04	-79.74	-68.91	-9.40	-1.43	-40.00	-39.74
105.66	-78.47	-75.05	-1.54	-1.88	-40.00	-38.47
159.98	-78.19	-74.84	-1.04	-2.31	-40.00	-38.19
181.32	-76.24	-75.25	1.48	-2.46	-40.00	-36.24
245.34	-69.84	-70.63	3.66	-2.86	-40.00	-29.84
405.39	-73.00	-73.27	3.94	-3.67	-40.00	-33.00
7250.00	-51.04	-45.79	10.90	-16.15	-40.00	-11.04
10875.00	-46.61	-37.83	11.15	-19.94	-40.00	-6.61

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Report Number :TERF2511003677ER
Operation Mode :LTE B48
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3695 MHz

Test Site :SAC 3
Test Date :2025-12-02
Temp./Humi. :22.7°C/66%
Antenna Pol. :Vertical
Engineer :Nick Lin



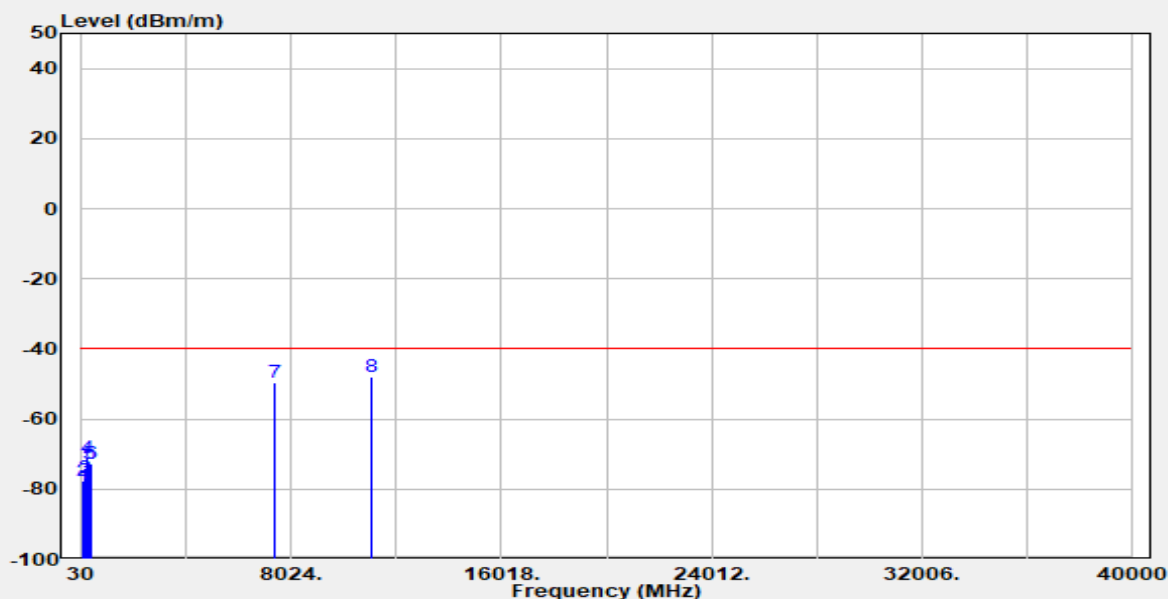
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
33.88	-72.36	-57.18	-14.12	-1.06	-40.00	-32.36
73.65	-71.07	-64.18	-5.32	-1.57	-40.00	-31.07
140.58	-78.21	-74.28	-1.77	-2.16	-40.00	-38.21
229.82	-74.96	-76.91	4.72	-2.77	-40.00	-34.96
262.80	-68.27	-69.38	4.08	-2.97	-40.00	-28.27
405.39	-71.14	-71.41	3.94	-3.67	-40.00	-31.14
7390.00	-49.08	-43.81	11.06	-16.33	-40.00	-9.08
11085.00	-47.93	-39.21	11.41	-20.13	-40.00	-7.93

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Report Number :TERF2511003677ER
Operation Mode :LTE B48
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3695 MHz

Test Site :SAC 3
Test Date :2025-12-02
Temp./Humi. :22.7°C/66%
Antenna Pol. :Horizontal
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
62.01	-79.45	-68.94	-9.07	-1.44	-40.00	-39.45
105.66	-77.79	-74.36	-1.54	-1.88	-40.00	-37.79
179.38	-76.83	-75.55	1.16	-2.45	-40.00	-36.83
236.61	-71.05	-72.14	3.90	-2.81	-40.00	-31.05
273.47	-72.66	-73.35	3.71	-3.03	-40.00	-32.66
405.39	-72.85	-73.12	3.94	-3.67	-40.00	-32.85
7390.00	-49.71	-44.44	11.06	-16.33	-40.00	-9.71
11085.00	-47.97	-39.25	11.41	-20.13	-40.00	-7.97

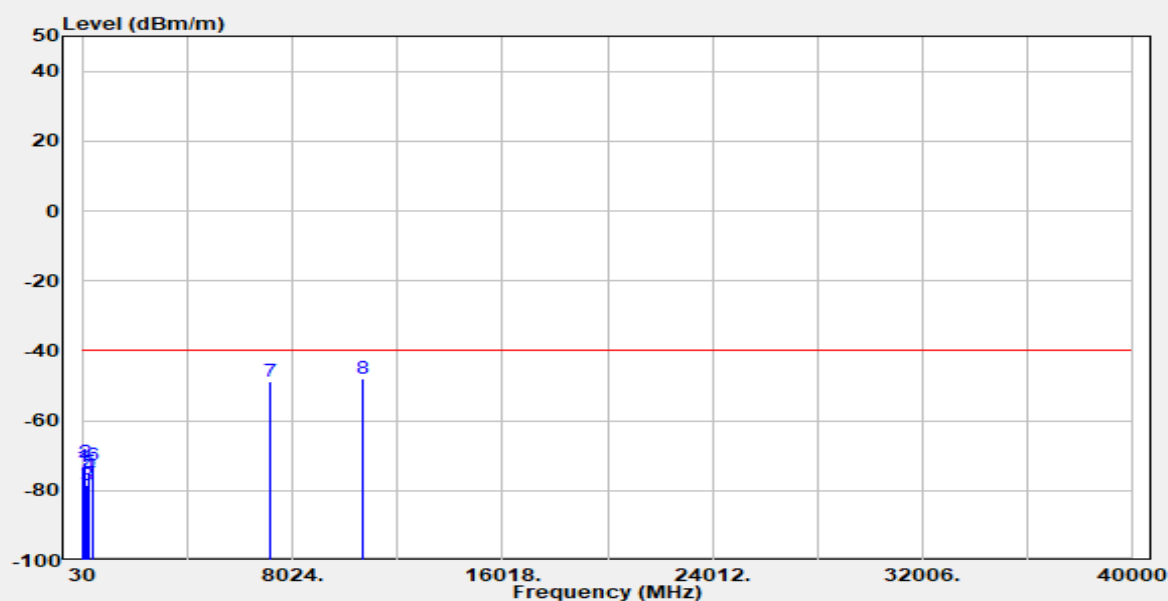
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ULCA

Report Number :TERF2511003677ER
 Operation Mode :LTE 48C
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3559.15 MHz

Test Site :SAC 3
 Test Date :2025-12-09
 Temp./Humi. :22.9°C/63%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



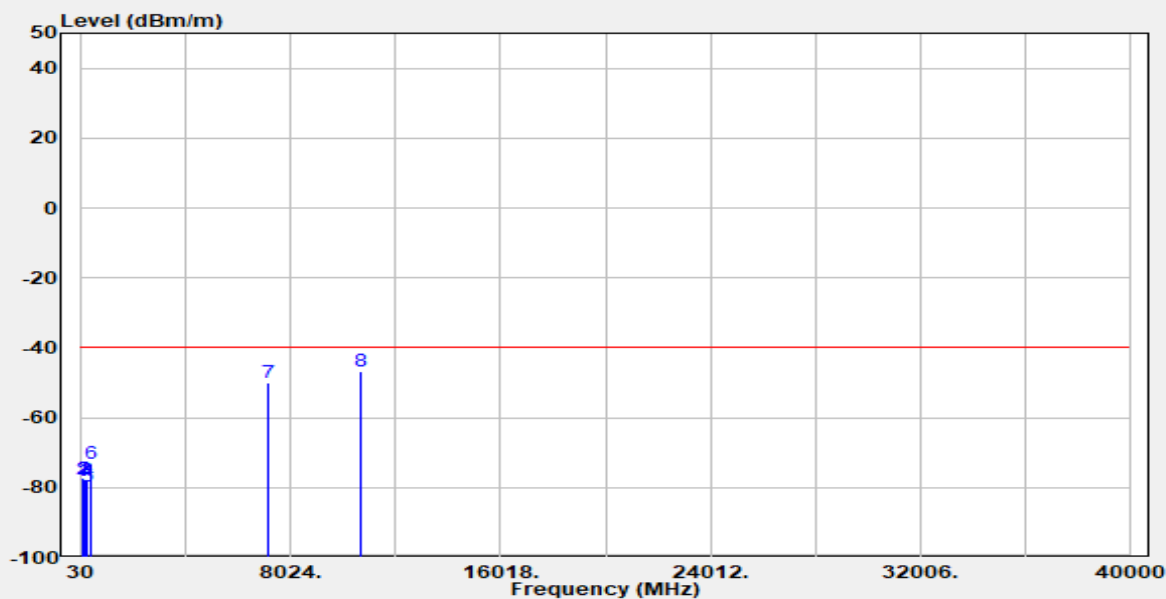
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-73.33	-58.15	-14.12	-1.06	-40.00	-33.33
72.68	-71.86	-64.49	-5.82	-1.56	-40.00	-31.86
125.06	-78.33	-74.69	-1.59	-2.05	-40.00	-38.33
228.85	-75.42	-77.44	4.78	-2.76	-40.00	-35.42
262.80	-74.93	-76.04	4.08	-2.97	-40.00	-34.93
406.36	-72.93	-73.22	3.96	-3.68	-40.00	-32.93
7118.30	-48.60	-43.69	11.10	-16.01	-40.00	-8.60
10677.45	-47.83	-39.46	11.35	-19.72	-40.00	-7.83

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Report Number :TERF2511003677ER
Operation Mode :LTE 48C
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3559.15 MHz

Test Site :SAC 3
Test Date :2025-12-09
Temp./Humi. :22.9°C/63%
Antenna Pol. :Horizontal
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
53.28	-77.96	-65.17	-11.46	-1.34	-40.00	-37.96
104.69	-77.47	-74.04	-1.56	-1.87	-40.00	-37.47
171.62	-77.48	-75.11	0.03	-2.40	-40.00	-37.48
199.75	-77.95	-79.05	3.69	-2.59	-40.00	-37.95
267.65	-79.73	-80.74	4.01	-3.00	-40.00	-39.73
405.40	-72.99	-73.26	3.94	-3.67	-40.00	-32.99
7118.30	-50.15	-45.25	11.10	-16.01	-40.00	-10.15
10677.45	-46.67	-38.31	11.35	-19.72	-40.00	-6.67

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Report Number :TERF2511003677ER

Operation Mode :LTE 48C

Test Mode :Tx

EUT Pol :NB Mode

Test Frequency :3621.65 MHz

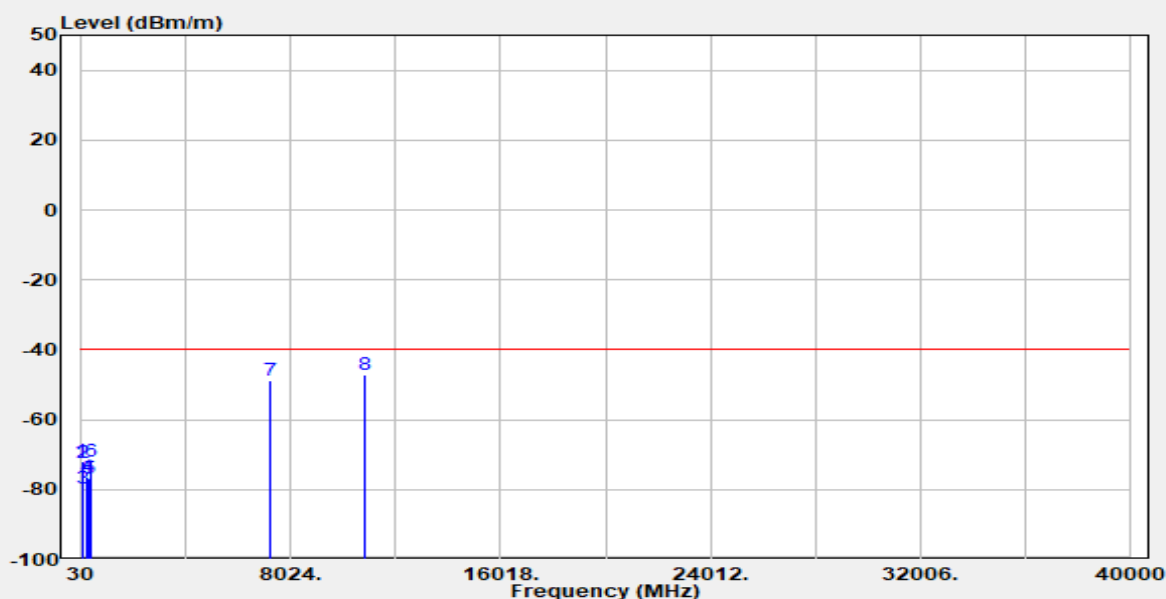
Test Site :SAC 3

Test Date :2025-12-09

Temp./Humi. :22.9°C/63%

Antenna Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
38.73	-71.78	-57.24	-13.41	-1.14	-40.00	-31.78
72.68	-72.21	-64.84	-5.82	-1.56	-40.00	-32.21
103.72	-79.78	-76.52	-1.39	-1.86	-40.00	-39.78
230.79	-76.55	-78.37	4.60	-2.77	-40.00	-36.55
292.87	-76.90	-77.54	3.76	-3.12	-40.00	-36.90
406.36	-72.01	-72.29	3.96	-3.68	-40.00	-32.01
7243.30	-48.88	-43.64	10.90	-16.14	-40.00	-8.88
10864.95	-47.03	-38.27	11.17	-19.93	-40.00	-7.03

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

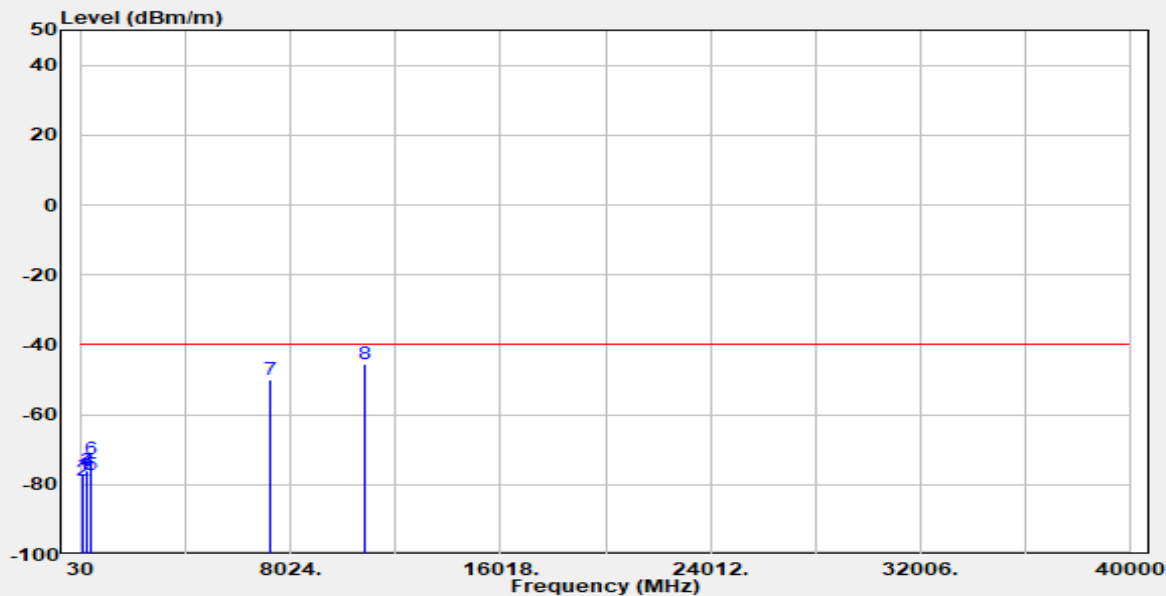
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2511003677ER
 Operation Mode :LTE 48C
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3621.65 MHz

Test Site :SAC 3
 Test Date :2025-12-09
 Temp./Humi. :22.9°C/63%
 Antenna Pol. :Horizontal
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-77.40	-64.24	-11.84	-1.32	-40.00	-37.40
106.63	-78.77	-75.30	-1.59	-1.89	-40.00	-38.77
197.81	-76.04	-77.07	3.60	-2.57	-40.00	-36.04
228.85	-75.94	-77.96	4.78	-2.76	-40.00	-35.94
367.56	-77.10	-77.79	4.18	-3.50	-40.00	-37.10
405.40	-72.85	-73.12	3.94	-3.67	-40.00	-32.85
7243.30	-49.91	-44.67	10.90	-16.14	-40.00	-9.91
10864.95	-45.49	-36.73	11.17	-19.93	-40.00	-5.49

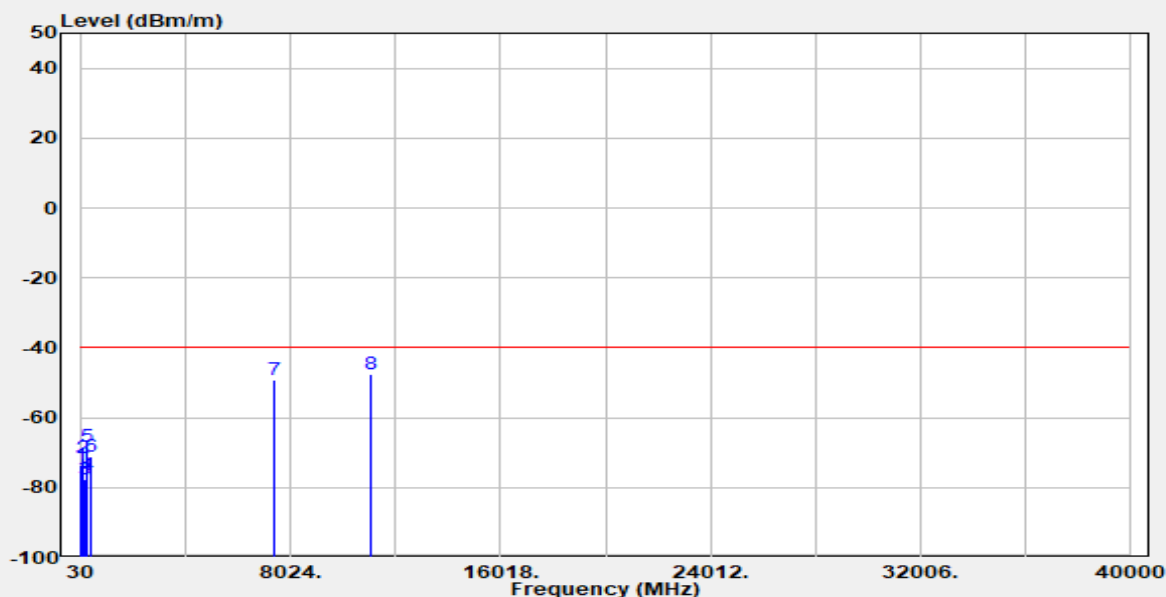
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Report Number :TERF2511003677ER
Operation Mode :LTE 48C
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3684.15 MHz

Test Site :SAC 3
Test Date :2025-12-09
Temp./Humi. :22.9°C/63%
Antenna Pol. :Vertical
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
34.85	-73.61	-58.48	-14.05	-1.08	-40.00	-33.61
72.68	-71.48	-64.10	-5.82	-1.56	-40.00	-31.48
177.44	-77.75	-76.22	0.91	-2.43	-40.00	-37.75
232.73	-76.27	-77.81	4.32	-2.79	-40.00	-36.27
267.65	-68.30	-69.32	4.01	-3.00	-40.00	-28.30
405.39	-71.07	-71.34	3.94	-3.67	-40.00	-31.07
7368.30	-49.05	-43.72	10.97	-16.30	-40.00	-9.05
11052.45	-47.36	-38.49	11.21	-20.08	-40.00	-7.36

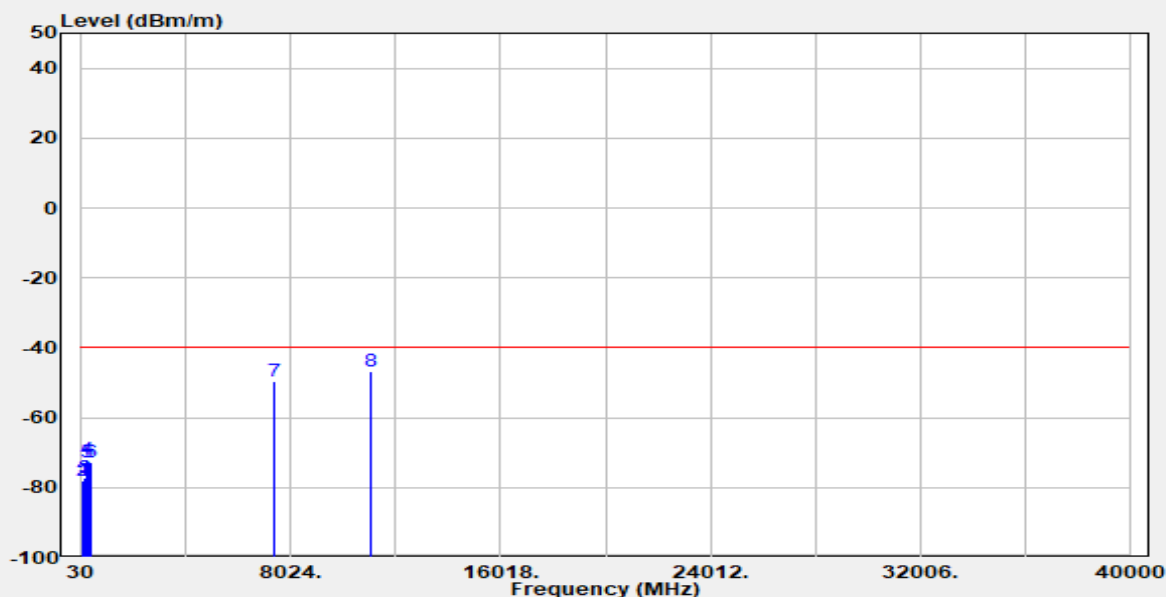
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Report Number :TERF2511003677ER
Operation Mode :LTE 48C
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3684.15 MHz

Test Site :SAC 3
Test Date :2025-12-09
Temp./Humi. :22.9°C/63%
Antenna Pol. :Horizontal
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
53.28	-78.03	-65.23	-11.46	-1.34	-40.00	-38.03
104.69	-78.16	-74.73	-1.56	-1.87	-40.00	-38.16
182.29	-77.21	-76.36	1.62	-2.47	-40.00	-37.21
243.40	-72.14	-72.96	3.67	-2.85	-40.00	-32.14
269.59	-72.69	-73.53	3.85	-3.01	-40.00	-32.69
405.39	-72.83	-73.10	3.94	-3.67	-40.00	-32.83
7368.30	-49.71	-44.38	10.97	-16.30	-40.00	-9.71
11052.45	-46.87	-38.00	11.21	-20.08	-40.00	-6.87

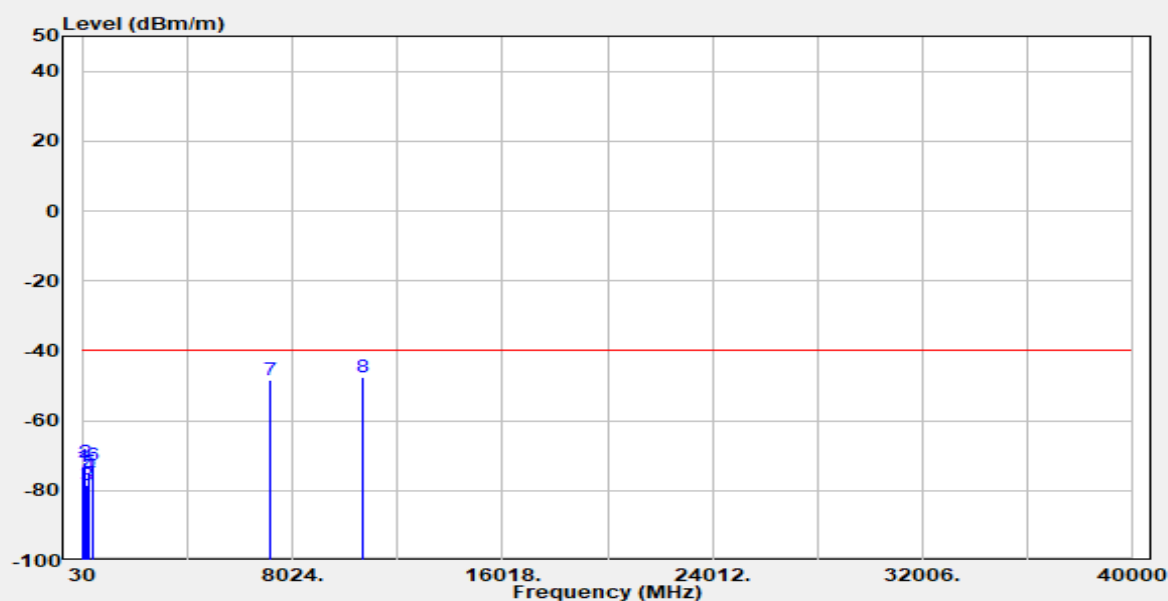
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FR1

Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3555 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



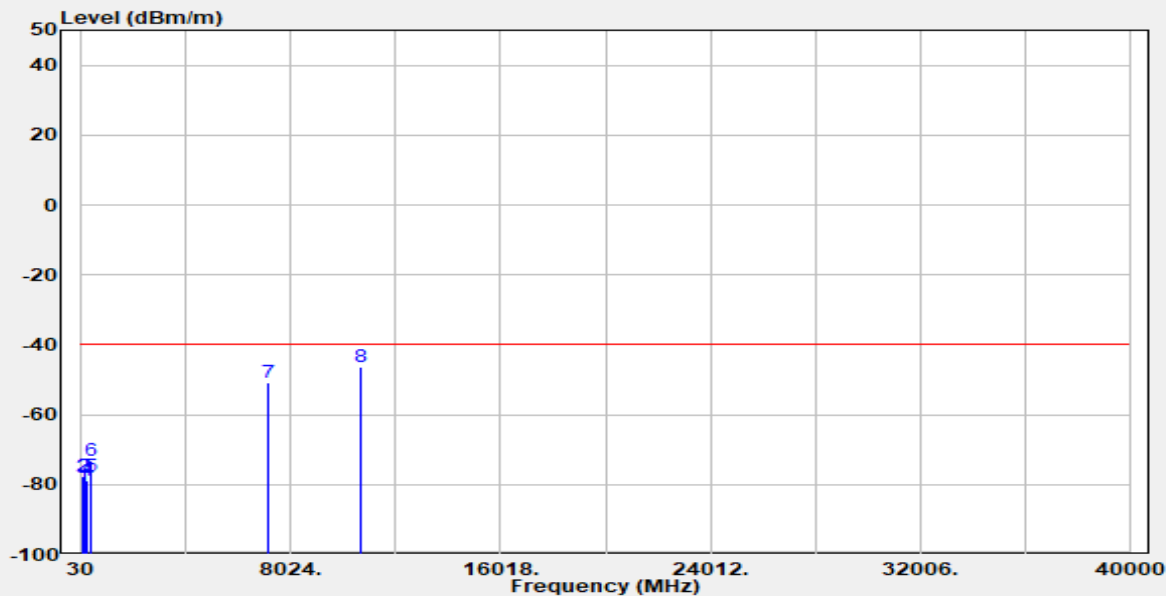
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-73.33	-58.15	-14.12	-1.06	-40.00	-33.33
72.68	-71.86	-64.49	-5.82	-1.56	-40.00	-31.86
136.70	-78.31	-74.47	-1.71	-2.14	-40.00	-38.31
228.85	-75.42	-77.44	4.78	-2.76	-40.00	-35.42
262.80	-74.93	-76.04	4.08	-2.97	-40.00	-34.93
406.36	-72.93	-73.22	3.96	-3.68	-40.00	-32.93
7110.00	-48.42	-43.52	11.10	-16.00	-40.00	-8.42
10665.00	-47.41	-39.04	11.33	-19.70	-40.00	-7.41

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Report Number :TERF2511003677ER
Operation Mode :NR n48
Test Mode :Tx
EUT Pol :NB Mode
Test Frequency :3555 MHz

Test Site :SAC 3
Test Date :2025-12-02
Temp./Humi. :22.7°C/66%
Antenna Pol. :Horizontal
Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
62.01	-80.60	-70.09	-9.07	-1.44	-40.00	-40.60
104.69	-77.47	-74.04	-1.56	-1.87	-40.00	-37.47
181.32	-77.52	-76.54	1.48	-2.46	-40.00	-37.52
228.85	-78.86	-80.88	4.78	-2.76	-40.00	-38.86
367.56	-77.53	-78.22	4.18	-3.50	-40.00	-37.53
405.39	-73.21	-73.48	3.94	-3.67	-40.00	-33.21
7110.00	-50.64	-45.74	11.10	-16.00	-40.00	-10.64
10665.00	-46.19	-37.82	11.33	-19.70	-40.00	-6.19

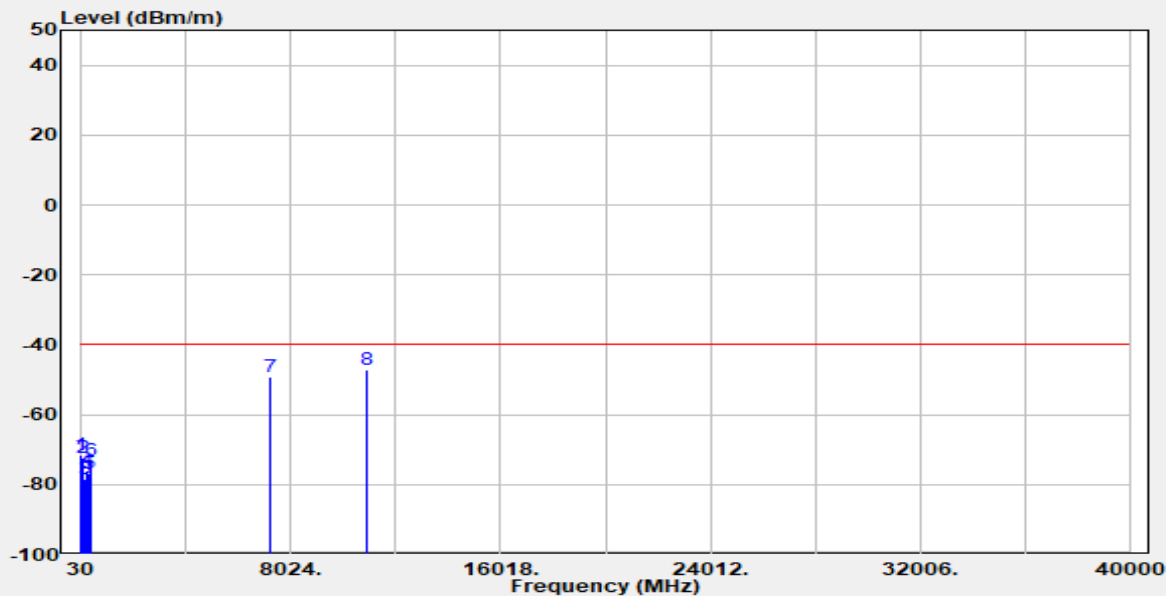
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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3625.02 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.79	-71.39	-56.82	-13.47	-1.11	-40.00	-31.39
72.68	-72.21	-64.84	-5.82	-1.56	-40.00	-32.21
180.35	-78.34	-77.16	1.27	-2.45	-40.00	-38.34
229.82	-76.13	-78.08	4.72	-2.77	-40.00	-36.13
292.87	-76.90	-77.54	3.76	-3.12	-40.00	-36.90
406.36	-73.01	-73.29	3.96	-3.68	-40.00	-33.01
7250.04	-49.30	-44.05	10.90	-16.15	-40.00	-9.30
10875.06	-47.04	-38.26	11.15	-19.94	-40.00	-7.04

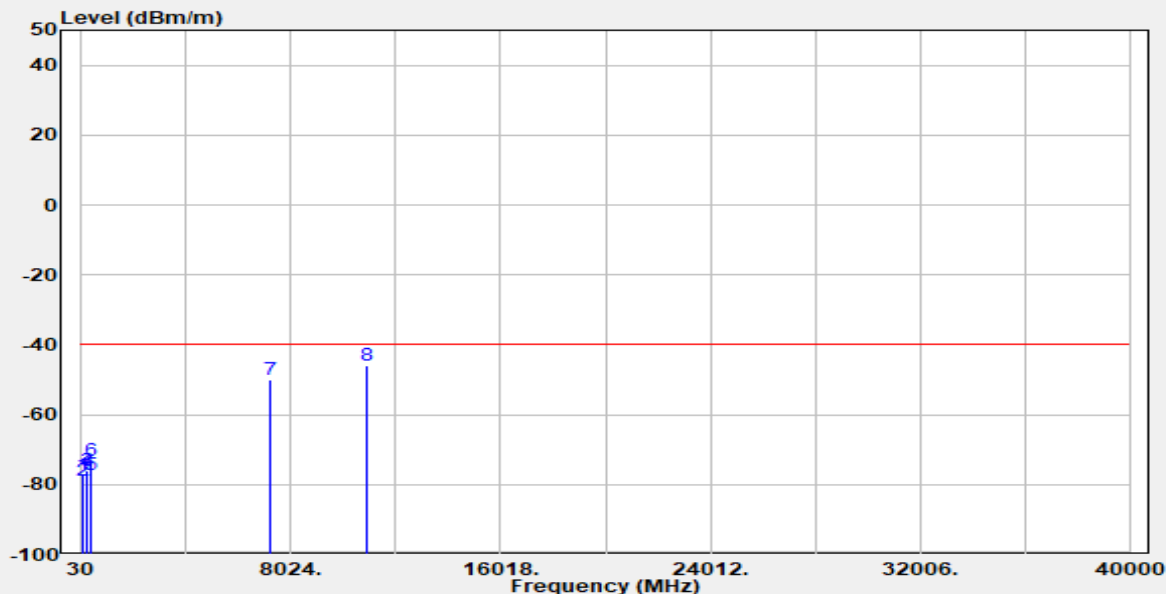
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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3625.02 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Horizontal
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-77.40	-64.24	-11.84	-1.32	-40.00	-37.40
104.69	-78.73	-75.30	-1.56	-1.87	-40.00	-38.73
197.81	-76.04	-77.07	3.60	-2.57	-40.00	-36.04
228.85	-75.94	-77.96	4.78	-2.76	-40.00	-35.94
367.56	-77.10	-77.79	4.18	-3.50	-40.00	-37.10
405.39	-73.00	-73.27	3.94	-3.67	-40.00	-33.00
7250.04	-49.81	-44.56	10.90	-16.15	-40.00	-9.81
10875.06	-46.13	-37.35	11.15	-19.94	-40.00	-6.13

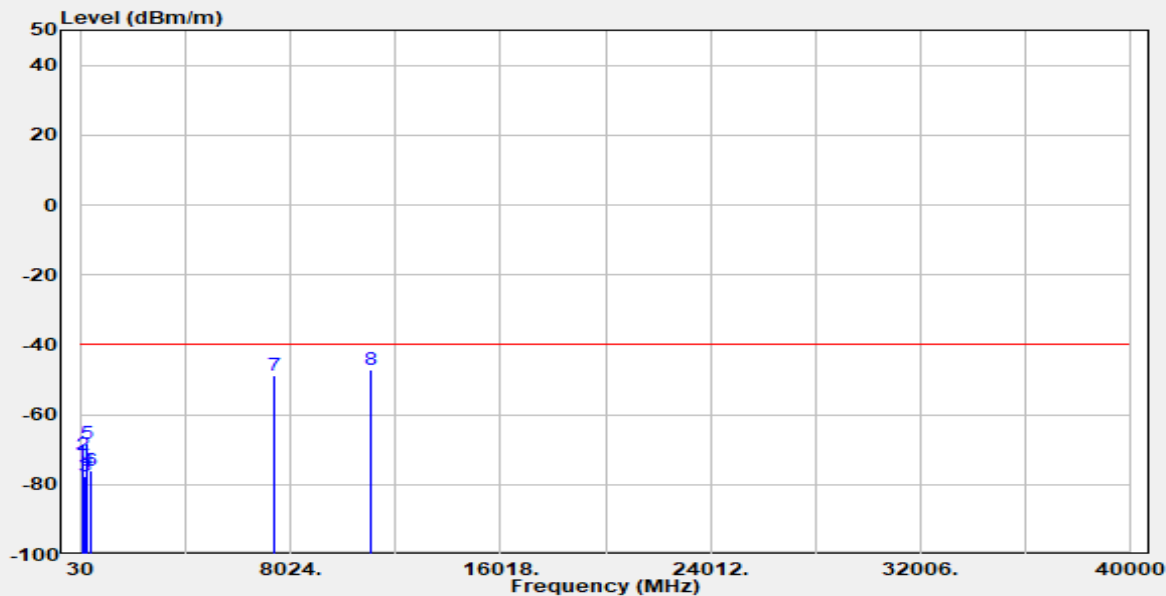
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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3694.98 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
37.76	-73.62	-59.06	-13.43	-1.12	-40.00	-33.62
72.68	-71.48	-64.10	-5.82	-1.56	-40.00	-31.48
177.44	-77.75	-76.22	0.91	-2.43	-40.00	-37.75
231.76	-76.11	-77.79	4.46	-2.78	-40.00	-36.11
267.65	-68.30	-69.32	4.01	-3.00	-40.00	-28.30
366.59	-76.01	-76.72	4.20	-3.49	-40.00	-36.01
7389.96	-48.77	-43.50	11.06	-16.33	-40.00	-8.77
11084.94	-47.06	-38.34	11.41	-20.13	-40.00	-7.06

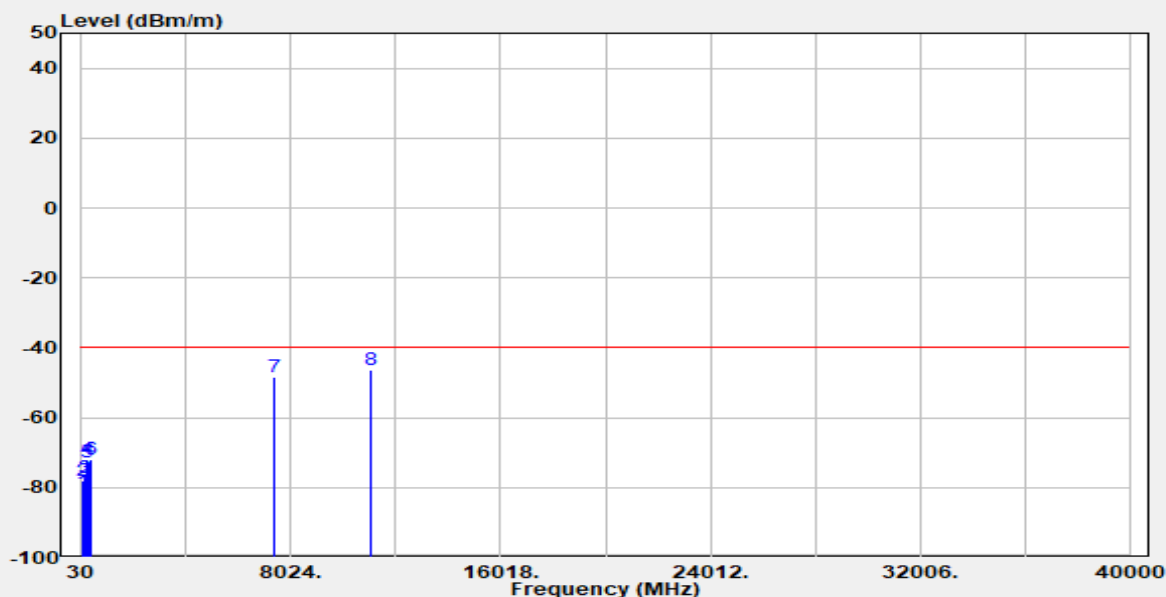
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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3694.98 MHz

Test Site :SAC 3
 Test Date :2025-12-02
 Temp./Humi. :22.7°C/66%
 Antenna Pol. :Horizontal
 Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
72.68	-81.13	-73.76	-5.82	-1.56	-40.00	-41.13
104.69	-78.16	-74.73	-1.56	-1.87	-40.00	-38.16
182.29	-77.21	-76.36	1.62	-2.47	-40.00	-37.21
243.40	-72.14	-72.96	3.67	-2.85	-40.00	-32.14
269.59	-72.69	-73.53	3.85	-3.01	-40.00	-32.69
405.39	-71.85	-72.12	3.94	-3.67	-40.00	-31.85
7389.96	-48.56	-43.29	11.06	-16.33	-40.00	-8.56
11084.94	-46.48	-37.76	11.41	-20.13	-40.00	-6.48

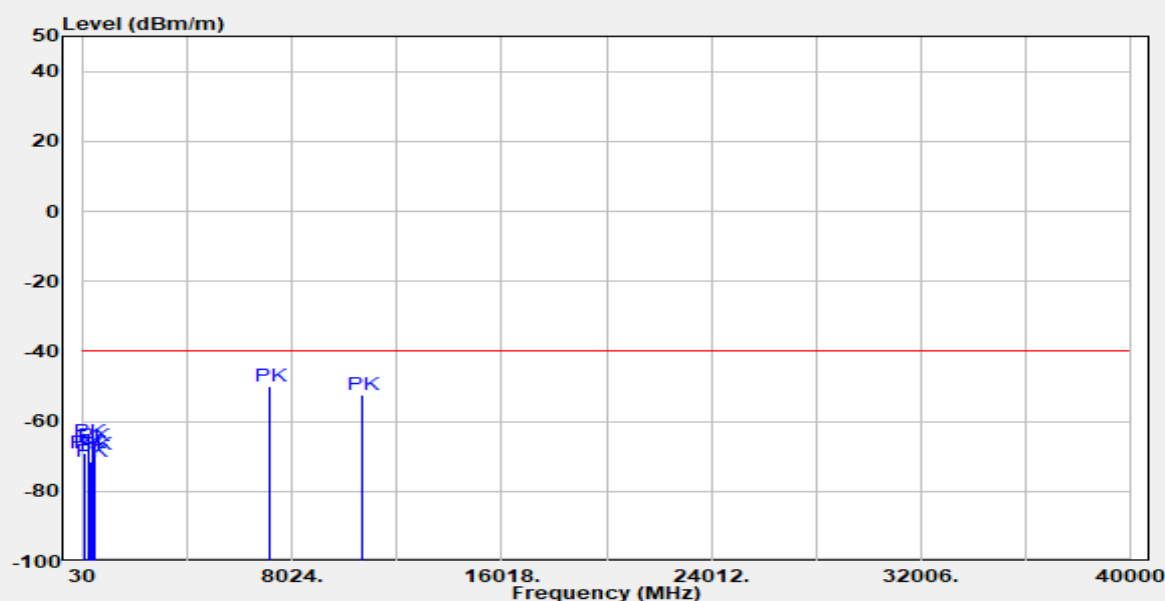
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FR1 2TX

Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3555 MHz

Test Site :SAC 2
 Test Date :2025-12-30
 Temp./Humi. :23.5°C/52%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



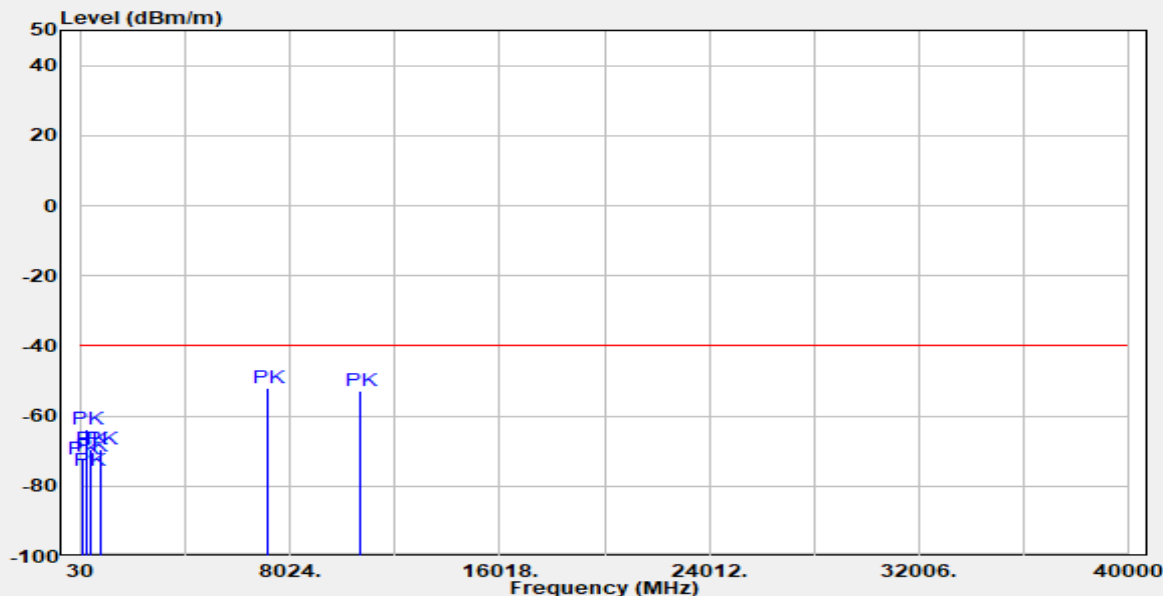
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.25	-68.97	-58.79	-8.83	-1.35	-40.00	-28.97
201.69	-65.94	-69.78	6.42	-2.59	-40.00	-25.94
231.76	-69.12	-73.29	6.95	-2.77	-40.00	-29.12
330.70	-71.44	-74.52	6.40	-3.32	-40.00	-31.44
369.50	-67.11	-70.39	6.80	-3.52	-40.00	-27.11
447.10	-69.38	-71.88	6.35	-3.86	-40.00	-29.38
7110.00	-50.15	-45.35	11.08	-15.87	-40.00	-10.15
10665.00	-52.34	-44.07	11.36	-19.63	-40.00	-12.34

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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3555 MHz

Test Site :SAC 2
 Test Date :2025-12-30
 Temp./Humi. :23.5°C/52%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-72.40	-62.51	-8.53	-1.36	-40.00	-32.40
205.57	-64.01	-67.98	6.58	-2.61	-40.00	-24.01
266.68	-75.70	-79.07	6.35	-2.98	-40.00	-35.70
368.53	-69.42	-72.72	6.82	-3.51	-40.00	-29.42
408.30	-71.59	-74.65	6.75	-3.69	-40.00	-31.59
744.89	-69.32	-70.11	5.77	-4.98	-40.00	-29.32
7110.00	-52.07	-47.27	11.08	-15.87	-40.00	-12.07
10665.00	-52.81	-44.54	11.36	-19.63	-40.00	-12.81

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Report Number :TERF2511003677ER

Operation Mode :NR n48

Test Mode :Tx

EUT Pol :NB Mode

Test Frequency :3625.02 MHz

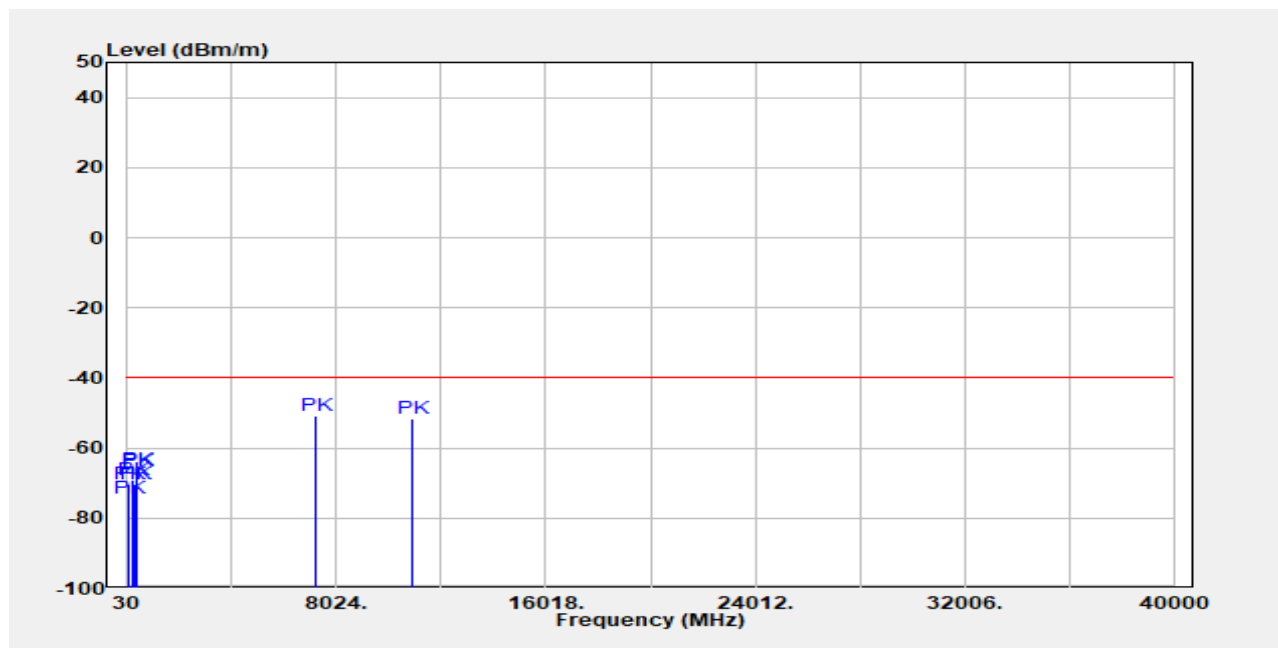
Test Site :SAC 2

Test Date :2025-12-30

Temp./Humi. :23.5°C/52%

Antenna Pol. :Vertical

Engineer :Bob Chao



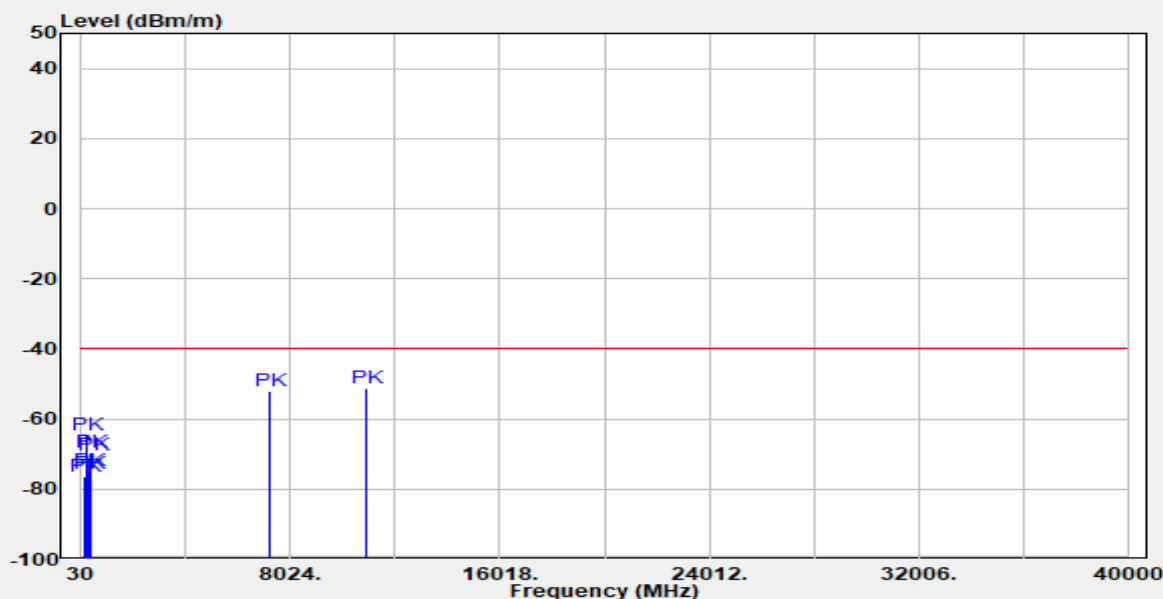
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
53.28	-70.50	-60.13	-9.04	-1.34	-40.00	-30.50
96.93	-74.53	-74.20	1.48	-1.81	-40.00	-34.53
205.57	-69.05	-73.02	6.58	-2.61	-40.00	-29.05
330.70	-70.21	-73.29	6.40	-3.32	-40.00	-30.21
369.50	-66.24	-69.52	6.80	-3.52	-40.00	-26.24
408.30	-66.49	-69.54	6.75	-3.69	-40.00	-26.49
7250.04	-50.75	-45.61	10.90	-16.04	-40.00	-10.75
10875.06	-51.71	-43.04	11.15	-19.82	-40.00	-11.71

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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3625.02 MHz

Test Site :SAC 2
 Test Date :2025-12-30
 Temp./Humi. :23.5°C/52%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



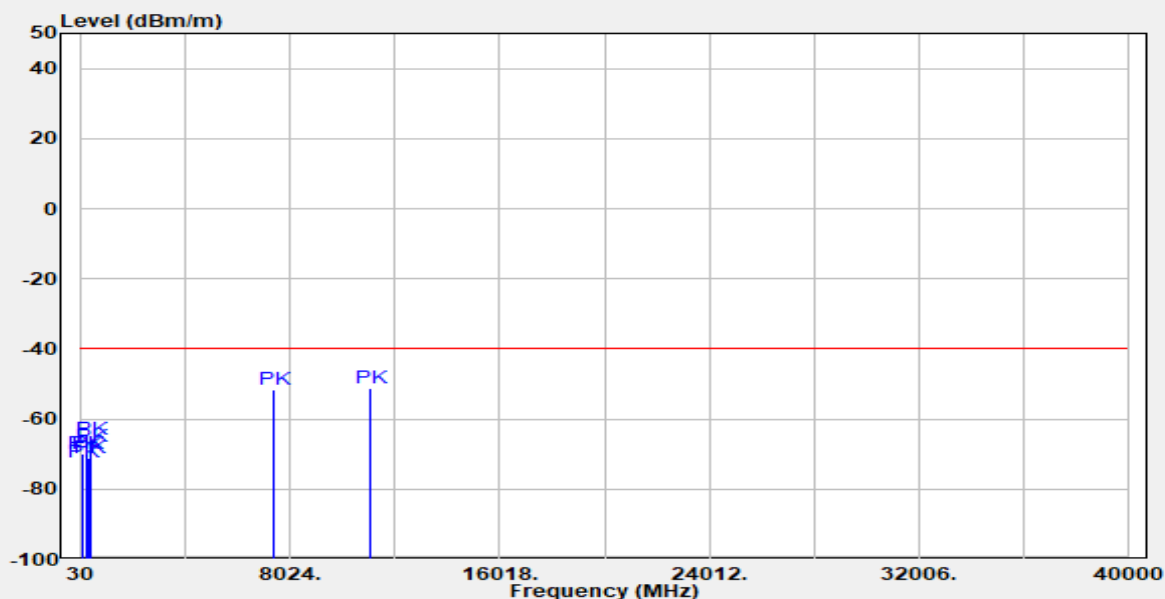
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
146.40	-76.28	-74.38	0.32	-2.21	-40.00	-36.28
205.57	-64.77	-68.74	6.58	-2.61	-40.00	-24.77
265.71	-75.63	-79.03	6.37	-2.97	-40.00	-35.63
329.73	-74.90	-77.98	6.40	-3.32	-40.00	-34.90
369.50	-69.62	-72.90	6.80	-3.52	-40.00	-29.62
420.91	-70.49	-73.32	6.57	-3.74	-40.00	-30.49
7250.04	-51.95	-46.81	10.90	-16.04	-40.00	-11.95
10875.06	-51.11	-42.44	11.15	-19.82	-40.00	-11.11

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 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3694.98 MHz

Test Site :SAC 2
 Test Date :2025-12-30
 Temp./Humi. :23.5°C/52%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



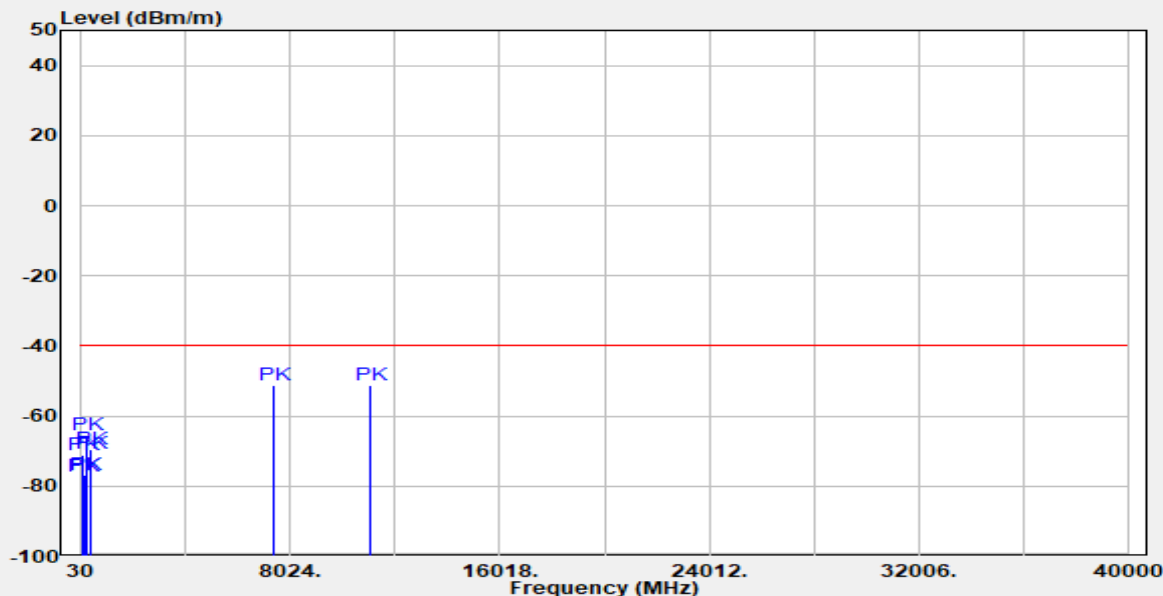
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-69.75	-59.86	-8.53	-1.36	-40.00	-29.75
83.35	-72.52	-71.36	0.52	-1.67	-40.00	-32.52
200.72	-69.78	-73.58	6.38	-2.58	-40.00	-29.78
329.73	-71.19	-74.27	6.40	-3.32	-40.00	-31.19
369.50	-65.81	-69.09	6.80	-3.52	-40.00	-25.81
408.30	-68.02	-71.08	6.75	-3.69	-40.00	-28.02
7389.96	-51.64	-46.32	10.86	-16.18	-40.00	-11.64
11084.94	-51.31	-42.63	11.34	-20.01	-40.00	-11.31

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Report Number :TERF2511003677ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :NB Mode
 Test Frequency :3694.98 MHz

Test Site :SAC 2
 Test Date :2025-12-30
 Temp./Humi. :23.5°C/52%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
55.22	-70.97	-61.08	-8.53	-1.36	-40.00	-30.97
96.93	-77.29	-76.95	1.48	-1.81	-40.00	-37.29
145.43	-76.95	-75.12	0.39	-2.21	-40.00	-36.95
204.60	-65.47	-69.42	6.55	-2.61	-40.00	-25.47
369.50	-69.44	-72.73	6.80	-3.52	-40.00	-29.44
406.36	-70.68	-73.71	6.71	-3.69	-40.00	-30.68
7389.96	-51.13	-45.80	10.86	-16.18	-40.00	-11.13
11084.94	-51.15	-42.48	11.34	-20.01	-40.00	-11.15

~ End of Report ~

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