ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

CLASS II PC REPORT

OF

Applicant:	Acer Incorporated 8F,88, Sec. 1, Hsin Tai Wu Rd. Hsichih, Taipei Hsien Taiwan
Product Name:	7c Modular Platform
Brand Name:	acer
Model No.:	QSIP7180
Model Difference:	N/A
Report Number:	ER/2020/C0099
FCC ID	HLZQSIP7180
FCC Rule Part:	2, 22H & 24E & 27 C & 90S
Issue Date:	February 9, 2021
Date of Test:	December 16, 2020 - February 2, 2021
Date of EUT Received:	December 16, 2020

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 tested as described in this report is in compliance with conducted and radiated emission limits.

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

Approved By: ***Blue Yang / Asst. Manager***

Testing Laboratory
3702

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Revision History

Report Number	Revision	Description	Issue Date	Remark
ER/2020/C0099	Rev.00	Original.	February 9, 2021	Revised By: Elle Chang

Note:

1、 Disclaimer

Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

General:

Product Name:	Notebook Computer
Brand Name:	acer
Model No. of Host:	N20Q8
Model Difference:	N/A
Hardware Version:	N/A
Software Version:	N/A
Model No. of WWAN/BT/WLAN Module:	QSIP7180
Class II Permissive change:	7c Modular Platform INSTALLED IN Notebook Computer
Power Supply:	11.25Vdc from Rechargeable Li-ion Battery or 5 / 9 / 12 / 15 / 20 Vdc from AC/DC Adapter

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1.2 Operation Frequency Range

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

LTE Band	BW (MHz)	Operation Frequency (MHz)	LTE Band	BW (MHz)	Operation Frequency (MHz)
2	1.4	1850.7 - 1909.3	25	1.4	1850.7 - 1914.3
	3	1851.5 - 1908.5		3	1851.5 - 1913.5
	5	1852.5 - 1907.5		5	1852.5 - 1912.5
	10	1855.0 - 1905.0		10	1855.0 - 1910.0
	15	1857.5 - 1902.5		15	1857.5 - 1907.5
	20	1860.0 - 1900.0		20	1860.0 - 1905.0
4	1.4	1710.7 - 1754.3	26	1.4	824.7 - 848.3
	3	1711.5 - 1753.5		3	825.5 - 847.5
	5	1712.5 - 1752.5		5	826.5 - 846.5
	10	1715.0 - 1750.0		10	829.0 - 844.0
	15	1717.5 - 1747.5		15	831.5 - 841.5
	20	1720.0 - 1745.0	26 Part 90	1.4	814.7 - 823.3
5	1.4	824.7 - 848.3		3	815.5 - 822.5
	3	825.5 - 847.5		5	816.5 - 821.5
	5	826.5 - 846.5		10	819.0
	10	829.0 - 844.0	30	5	2307.5 - 2312.5
7	5	2502.5 - 2567.5		10	2310.0
	10	2505.0 - 2565.0	38	5	2572.5 - 2617.5
	15	2507.5 - 2562.5		10	2575.0
	20	2510.0 - 2560.0		15	2577.5 - 2612.5
12	1.4	699.7 - 715.3		20	2580.0 - 2610.0
	3	700.5 - 714.5	41, 41(HPUE)	5	2498.5 - 2687.5
	5	701.5 - 713.5		10	2501.0 - 2685.0
	10	704.0 - 711.0		15	2503.5 - 2682.5
13	5	779.5 - 784.5		20	2506.0 - 2680.0
	10	782			
14	5	790.5 795.5			
	10	793.5.0			
17	5	706.5 - 713.5			
	10	709 - 711			

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LTE Band	BW (MHz)	Operation Frequency (MHz)			LTE Band	BW (MHz)	Operation Frequency (MHz)		
66	1.4	1710.7	-	1779.3	71	5	665.5	-	695.5
	3	1711.5	-	1778.5		10	688.0	-	693.0
	5	1712.5	-	1777.5		15	670.5	-	690.5
	10	1715.0	-	1775.0		20	673.0	-	688.0
	15	1717.5	-	1772.5					
	20	1720.0	-	1770.0					

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1.3 Antenna Designation

Operating Frequency (MHz)		Antenna Type	Main Peak Gain (dBi)	Aux Peak Gain (dBi)
WCDMA / HSPA Band II	1852.4 ~ 1907.6	PIFA	-3.65	**-3.07**
WCDMA / HSPA Band V	826.4 ~ 846.6		**-3.86**	-5.00
LTE-Band 2	1850.7 ~ 1909.3		-3.65	**-3.07**
LTE-Band 4	1710.7 ~ 1754.3		**-3.63**	-4.12
LTE-Band 5	824.7 ~ 848.3		**-3.86**	-5.00
LTE-Band 7	2502.5 ~ 2567.5		**-2.97**	-5.22
LTE-Band 12	699.7 ~ 715.3		**-2.10**	-4.60
LTE-Band 13	777 ~ 787		**-3.34**	-5.61
LTE-Band 14	790.5 795.5		**-3.82**	-6.97
LTE-Band 17	704 ~ 716		**-2.10**	-4.44
LTE-Band 25	1850.7 ~ 1914.3		-3.87	**-3.07**
LTE-Band 26	824.7 ~ 848.3		**-3.86**	-5.00
LTE-Band 26 Part 90	814.7 ~ 823.3		**-4.04**	-5.08
LTE-Band 30	2307.5 ~ 2312.5		**-3.90**	-6.07
LTE-Band 38	2570 ~ 2620		**-3.04**	-4.74
LTE-Band 41	2498.5 ~ 2687.5		**-2.97**	-4.50
LTE-Band 66	1710.7 ~ 1779.3		**-3.63**	-3.72
LTE-Band 71	665.5 ~ 695.5		**-1.85**	-6.44

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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

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

KDB412172 D01 Determining ERP and EIRP v01r01

1.5 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)
No.134, Wu Kung Road, New Taiepi Industrial Park, Wuku District, New Taipei City, Taiwan 24803
FCC Designation number: TW0027

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*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 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 according to the requirements in Section 8 and 13.

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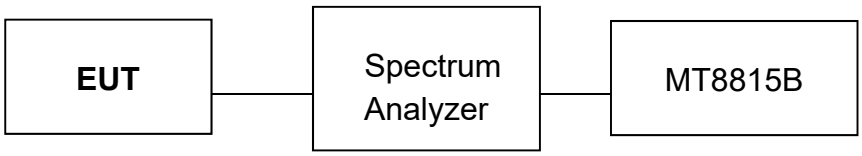
2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel-Conducted)

3G



4G

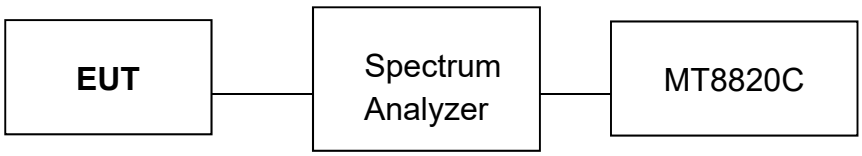


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)

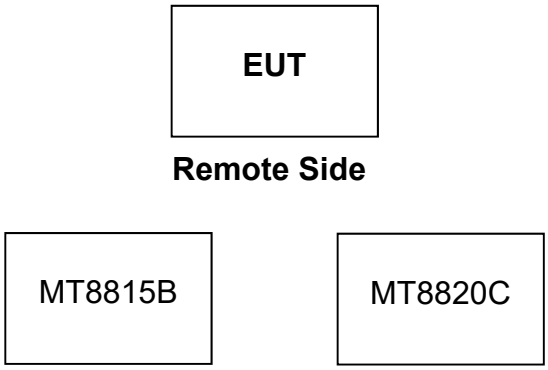


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Radio Communication Analyer	Anritsu	MT8815B	6200711454	shielded	Un-shielded
2.	Radio Communication Analyer	Anritsu	MT8820C	6200995019	shielded	Un-shielded

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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(b)(10) §27.50(a)(3) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(a) §27.53(c)(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.691(a)(1)(2)	Field Strength of Spurious Radiation	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.

2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	H PLANE	E1 PLANE	E2 PLANE	NB PLANE
WCDMA/HSPA Band II				V
WCDMA/HSPA Band V				V
LTE Band 2				V
LTE Band 4				V
LTE Band 5				V
LTE Band 7				V
LTE Band 12				V
LTE Band 13				V
LTE Band 14				V
LTE Band 17				V
LTE Band 25				V
LTE Band 26				V
LTE Band 26 Part 90				V
LTE Band 30				V
LTE Bnad 38				V
LTE Band 41				V
LTE Band 41 (HPUE)				V
LTE Band 66				V
LTE Band 71				V

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4.2 Measurement Configuration

UTRA	Test Channel	Modulation
	Low ; Mid ;High	WCDMA

E-UTRA Band	Test Channel	Channel Band-width (MHz)	Modula-tion	Resource Block Allocation	
				RBs allocated	RB Start
2	Low	20	QPSK	1	0
4	Mid	20	QPSK	1	0
5	High	10	QPSK	1	0
7	Mid	20	QPSK	1	50
12	Low	1.4	QPSK	3	2
13	Mid	10	QPSK	1	25
14	Mid	10	QPSK	1	0
17	Mid	10	QPSK	1	49
25	Mid	20	QPSK	1	0
26	Low	15	QPSK	1	0
26(90)	Mid	10	QPSK	1	0
38	Low	20	QPSK	1	99
41	High	20	QPSK	1	50
41(HPUE)	High	20	QPSK	1	50
66	Low	20	QPSK	1	0
71	Low	20	QPSK	1	0

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5 MEASUREMENT UNCERTAINTY

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

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	+/-	2.64	dB	9kHz~30MHz: +-2.3dB
	+/-	4.93	dB	30MHz - 1000MHz: +/- 3.37dB
	+/-	4.81	dB	1GHz - 18GHz: +/- 4.04dB
	+/-	4.52	dB	18GHz - 40GHz: +/- 4.04dB
Polarization: Horizontal	+/-	2.64	dB	9kHz~30MHz: +-2.3dB
	+/-	4.45	dB	30MHz - 1000MHz: +/- 4.22dB
	+/-	4.81	dB	1GHz - 18GHz: +/- 4.08dB
	+/-	4.52	dB	18GHz - 40GHz: +/- 4.08dB

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 MAXIMUM OUTPUT POWER

6.1 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.

6.1.1 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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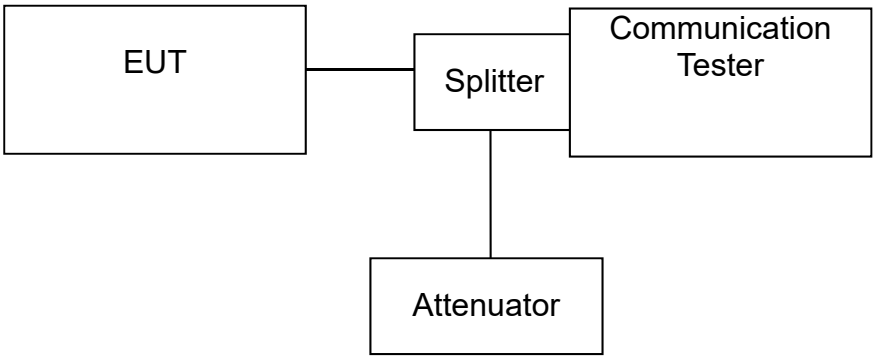
6.2 Test Set-up



Note: *Measurement setup for testing on Antenna connector*

6.3 Output Power Measurement Applicable Guideance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. TS 151 010-1 is reference to conduct the test measurement of output power. The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.
All LTE bands conducted average power is obtained from the simulator telecommunication test set.

6.4 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 PT, typically dBW, dBm, or power spectral density (PSD)2), 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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6.5 Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Radio Communication Analyer	Anritsu	MT8815B	6200711454	04/01/2020	03/31/2021
Radio Communication Analyer	Anritsu	MT8820C	6200995019	04/01/2020	03/31/2021

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6.6 Measurement Results

6.7 WCDMA & HSPA Measurement Results:

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The EUT supports power Class 3, which has a nominal maximum output power of **25.70dBm**. RMC 12.2kps is used for this testing.

WCDMA/HSUPA/HSDPA Band II Result:

EUT Mode	Freq. (MHz)	CH	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
WCDMA	1852.4	**9262**	24.27	-3.07	19.05	**21.20**	33.00	-11.80
	1880.0	**9400**	23.87	-3.07	18.65	20.80	33.00	-12.20
	1907.6	**9538**	23.85	-3.07	18.63	20.78	33.00	-12.22
HSDPA	1852.4	**9262**	23.27	-3.07	18.05	20.20	33.00	-12.80
	1880.0	**9400**	22.88	-3.07	17.66	19.81	33.00	-13.19
	1907.6	**9538**	23.84	-3.07	18.62	**20.77**	33.00	-12.23
HSUPA	1852.4	**9262**	23.28	-3.07	18.06	20.21	33.00	-12.79
	1880.0	**9400**	22.89	-3.07	17.67	19.82	33.00	-13.18
	1907.6	**9538**	23.82	-3.07	18.60	**20.75**	33.00	-12.25

WCDMA/HSUPA/HSDPA Band V Result:

EUT Mode	Freq. (MHz)	CH	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
WCDMA	826.4	4132	24.02	-3.86	18.01	**20.16**	38.50	-18.34
	836.6	4183	23.91	-3.86	17.90	20.05	38.50	-18.45
	846.6	4233	23.99	-3.86	17.98	20.13	38.50	-18.37
HSDPA	826.4	4132	22.98	-3.86	16.97	**19.12**	38.50	-19.38
	836.6	4183	22.88	-3.86	16.87	19.02	38.50	-19.48
	846.6	4233	22.98	-3.86	16.97	**19.12**	38.50	-19.38
HSUPA	826.4	4132	23.03	-3.86	17.02	**19.17**	38.50	-19.33
	836.6	4183	22.88	-3.86	16.87	19.02	38.50	-19.48
	846.6	4233	23.01	-3.86	17.00	19.15	38.50	-19.35

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6.7.1 HSPA (HSDPA & HSUPA) Release 6:

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1. RMC 12.2kps is used for this testing.

6.7.2 HSDPA SUB-TEST Setting

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} (*Note1, Note 2*)	CM (dB) *(Note 3)*	MPR (dB) *(Note 3)*	RMC (Kbps)
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 *(Note 4)*	15/15 *(Note 4)*	64	12/15 *(Note 4)*	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: *The recommended HSDPA MPRs are implemented as per following sub-tests.*

Mode	Sub test	Avg. Power (dBm) Channel		
		9262.00	9400.00	9538.00
HSDPA II	1	23.27	22.88	23.84
	2	23.28	22.87	23.87
	3	22.78	22.42	23.32
	4	22.75	22.43	23.39

Mode	Sub test	Avg. Power (dBm) Channel		
		4132.00	4183.00	4233.00
HSDPA V	1	22.98	22.88	22.98
	2	23.00	22.89	22.97
	3	22.53	22.35	22.50
	4	22.48	22.33	22.36

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6.7.3 HSPA SUB-TEST Setting

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (Codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps)
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: *The recommended HSUPA MPRs are implemented as per following sub-tests.*

Mode	Sub test	Avg. Power (dBm) Channel		
		9262.00	9400.00	9538.00
HSUPA II	1	23.28	22.89	23.82
	2	22.78	22.39	23.37
	3	23.28	22.90	23.83
	4	23.26	22.87	23.81
	5	23.27	22.86	23.70

Mode	Sub test	Avg. Power (dBm) Channel		
		4132.00	4183.00	4233.00
HSUPA V	1	23.03	22.88	23.01
	2	22.50	22.43	22.41
	3	23.04	22.85	22.97
	4	22.98	22.86	22.95
	5	22.97	22.90	22.98

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6.8 LTE Measurement Results:

Antenna gain (dBi)	-3.07

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	23.90	20.83	33	-12.17
				1	24	23.86	20.79	33	-12.21
				12	6	22.96	19.89	33	-13.11
				25	0	22.88	19.81	33	-13.19
	18900	1880	QPSK	1	0	23.81	20.74	33	-12.26
				1	24	23.86	20.79	33	-12.21
				12	6	22.98	19.91	33	-13.09
				25	0	22.90	19.83	33	-13.17
	19175	1907.5	QPSK	1	0	23.94	**20.87**	33	-12.13
				1	24	23.83	20.76	33	-12.24
				12	6	22.93	19.86	33	-13.14
				25	0	22.82	19.75	33	-13.25
5	18625	1852.5	16QAM	1	0	22.86	19.79	33	-13.21
				1	24	22.96	**19.89**	33	-13.11
				12	6	21.93	18.86	33	-14.14
				25	0	21.82	18.75	33	-14.25
	18900	1880	16QAM	1	0	22.96	**19.89**	33	-13.11
				1	24	22.92	19.85	33	-13.15
				12	6	21.88	18.81	33	-14.19
				25	0	21.82	18.75	33	-14.25
	19175	1907.5	16QAM	1	0	22.88	19.81	33	-13.19
				1	24	22.96	**19.89**	33	-13.11
				12	6	21.85	18.78	33	-14.22
				25	0	21.87	18.80	33	-14.2
5	18625	1852.5	64QAM	1	0	21.87	18.80	33	-14.2
				1	24	21.86	18.79	33	-14.21
				12	6	20.89	17.82	33	-15.18
				25	0	20.94	17.87	33	-15.13
	18900	1880	64QAM	1	0	22.00	**18.93**	33	-14.07
				1	24	21.83	18.76	33	-14.24
				12	6	20.93	17.86	33	-15.14
				25	0	20.98	17.91	33	-15.09
	19175	1907.5	64QAM	1	0	21.88	18.81	33	-14.19
				1	24	21.95	18.88	33	-14.12
				12	6	20.93	17.86	33	-15.14
				25	0	20.83	17.76	33	-15.24

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Antenna gain (dBi)	-3.07

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	23.84	20.77	33	-12.23
				1	49	23.83	20.76	33	-12.24
				25	12	23.00	19.93	33	-13.07
				50	0	22.81	19.74	33	-13.26
	18900	1880	QPSK	1	0	23.96	20.89	33	-12.11
				1	49	23.93	20.86	33	-12.14
				25	12	22.94	19.87	33	-13.13
				50	0	22.93	19.86	33	-13.14
	19150	1905	QPSK	1	0	23.97	**20.90**	33	-12.1
				1	49	23.90	20.83	33	-12.17
				25	12	22.84	19.77	33	-13.23
				50	0	22.86	19.79	33	-13.21
10	18650	1855	16QAM	1	0	22.89	19.82	33	-13.18
				1	49	22.81	19.74	33	-13.26
				25	12	21.95	18.88	33	-14.12
				50	0	22.00	18.93	33	-14.07
	18900	1880	16QAM	1	0	22.89	19.82	33	-13.18
				1	49	22.90	19.83	33	-13.17
				25	12	21.95	18.88	33	-14.12
				50	0	21.89	18.82	33	-14.18
	19150	1905	16QAM	1	0	22.97	**19.90**	33	-13.1
				1	49	22.91	19.84	33	-13.16
				25	12	21.87	18.80	33	-14.2
				50	0	21.92	18.85	33	-14.15
10	18650	1855	64QAM	1	0	21.88	18.81	33	-14.19
				1	49	21.86	18.79	33	-14.21
				25	12	21.00	17.93	33	-15.07
				50	0	20.97	17.90	33	-15.1
	18900	1880	64QAM	1	0	21.91	18.84	33	-14.16
				1	49	21.98	**18.91**	33	-14.09
				25	12	21.00	17.93	33	-15.07
				50	0	20.84	17.77	33	-15.23
	19150	1905	64QAM	1	0	21.89	18.82	33	-14.18
				1	49	21.95	18.88	33	-14.12
				25	12	20.81	17.74	33	-15.26
				50	0	20.85	17.78	33	-15.22

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Antenna gain (dBi)	-3.07

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	23.95	20.88	33	-12.12
				1	74	23.83	20.76	33	-12.24
				36	18	22.90	19.83	33	-13.17
				75	0	22.97	19.90	33	-13.1
	18900	1880	QPSK	1	0	23.97	**20.90**	33	-12.1
				1	74	23.85	20.78	33	-12.22
				36	18	22.92	19.85	33	-13.15
				75	0	22.96	19.89	33	-13.11
	19125	1902.5	QPSK	1	0	23.96	20.89	33	-12.11
				1	74	23.92	20.85	33	-12.15
				36	18	22.83	19.76	33	-13.24
				75	0	22.86	19.79	33	-13.21
15	18675	1857.5	16QAM	1	0	22.96	**19.89**	33	-13.11
				1	74	22.81	19.74	33	-13.26
				36	18	21.97	18.90	33	-14.1
				75	0	21.97	18.90	33	-14.1
	18900	1880	16QAM	1	0	22.85	19.78	33	-13.22
				1	74	22.96	**19.89**	33	-13.11
				36	18	21.88	18.81	33	-14.19
				75	0	21.90	18.83	33	-14.17
	19125	1902.5	16QAM	1	0	22.93	19.86	33	-13.14
				1	74	22.88	19.81	33	-13.19
				36	18	21.82	18.75	33	-14.25
				75	0	21.91	18.84	33	-14.16
15	18675	1857.5	64QAM	1	0	21.88	18.81	33	-14.19
				1	74	21.99	**18.92**	33	-14.08
				36	18	20.96	17.89	33	-15.11
				75	0	20.84	17.77	33	-15.23
	18900	1880	64QAM	1	0	21.92	18.85	33	-14.15
				1	74	21.97	18.90	33	-14.1
				36	18	20.98	17.91	33	-15.09
				75	0	20.85	17.78	33	-15.22
	19125	1902.5	64QAM	1	0	21.95	18.88	33	-14.12
				1	74	21.97	18.90	33	-14.1
				36	18	20.81	17.74	33	-15.26
				75	0	20.97	17.90	33	-15.1

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Antenna gain (dBi)	-3.07

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	24.23	**21.16**	33	-11.84
				1	99	23.91	20.84	33	-12.16
				50	25	22.79	19.72	33	-13.28
				100	0	22.75	19.68	33	-13.32
	18900	1880	QPSK	1	0	24.00	20.93	33	-12.07
				1	99	23.85	20.78	33	-12.22
				50	25	22.89	19.82	33	-13.18
				100	0	22.93	19.86	33	-13.14
	19100	1900	QPSK	1	0	23.87	20.80	33	-12.2
				1	99	23.77	20.70	33	-12.3
				50	25	22.73	19.66	33	-13.34
				100	0	22.70	19.63	33	-13.37
20	18700	1860	16QAM	1	0	22.89	19.82	33	-13.18
				1	99	22.98	**19.91**	33	-13.09
				50	25	21.84	18.77	33	-14.23
				100	0	21.87	18.80	33	-14.2
	18900	1880	16QAM	1	0	22.95	19.88	33	-13.12
				1	99	22.81	19.74	33	-13.26
				50	25	21.87	18.80	33	-14.2
				100	0	21.91	18.84	33	-14.16
	19100	1900	16QAM	1	0	22.85	19.78	33	-13.22
				1	99	22.93	19.86	33	-13.14
				50	25	21.94	18.87	33	-14.13
				100	0	21.96	18.89	33	-14.11
20	18700	1860	64QAM	1	0	21.99	**18.92**	33	-14.08
				1	99	21.82	18.75	33	-14.25
				50	25	20.93	17.86	33	-15.14
				100	0	20.92	17.85	33	-15.15
	18900	1880	64QAM	1	0	21.87	18.80	33	-14.2
				1	99	21.91	18.84	33	-14.16
				50	25	20.83	17.76	33	-15.24
				100	0	20.91	17.84	33	-15.16
	19100	1900	64QAM	1	0	21.86	18.79	33	-14.21
				1	99	21.95	18.88	33	-14.12
				50	25	20.91	17.84	33	-15.16
				100	0	20.91	17.84	33	-15.16

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	23.95	20.32	30	-9.68
				1	5	23.89	20.26	30	-9.74
				3	2	23.82	20.19	30	-9.81
				6	0	22.98	19.35	30	-10.65
	20175	1732.5	QPSK	1	0	23.95	20.32	30	-9.68
				1	5	23.98	**20.35**	30	-9.65
				3	2	23.82	20.19	30	-9.81
				6	0	22.97	19.34	30	-10.66
	20393	1754.3	QPSK	1	0	23.89	20.26	30	-9.74
				1	5	23.92	20.29	30	-9.71
				3	2	23.82	20.19	30	-9.81
				6	0	22.81	19.18	30	-10.82
1.4	19957	1710.7	16QAM	1	0	22.83	19.20	30	-10.8
				1	5	22.91	19.28	30	-10.72
				3	2	22.99	19.36	30	-10.64
				6	0	21.88	18.25	30	-11.75
	20175	1732.5	16QAM	1	0	22.89	19.26	30	-10.74
				1	5	23.00	**19.37**	30	-10.63
				3	2	22.88	19.25	30	-10.75
				6	0	21.92	18.29	30	-11.71
	20393	1754.3	16QAM	1	0	22.93	19.30	30	-10.7
				1	5	22.83	19.20	30	-10.8
				3	2	22.96	19.33	30	-10.67
				6	0	21.99	18.36	30	-11.64
1.4	19957	1710.7	64QAM	1	0	21.91	18.28	30	-11.72
				1	5	21.96	**18.33**	30	-11.67
				3	2	21.89	18.26	30	-11.74
				6	0	20.81	17.18	30	-12.82
	20175	1732.5	64QAM	1	0	21.88	18.25	30	-11.75
				1	5	21.86	18.23	30	-11.77
				3	2	21.87	18.24	30	-11.76
				6	0	20.85	17.22	30	-12.78
	20393	1754.3	64QAM	1	0	21.85	18.22	30	-11.78
				1	5	21.87	18.24	30	-11.76
				3	2	21.88	18.25	30	-11.75
				6	0	20.91	17.28	30	-12.72

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	23.82	20.19	30	-9.81
				1	14	23.86	20.23	30	-9.77
				8	4	22.94	19.31	30	-10.69
				15	0	22.91	19.28	30	-10.72
	20175	1732.5	QPSK	1	0	23.97	20.34	30	-9.66
				1	14	23.95	20.32	30	-9.68
				8	4	22.94	19.31	30	-10.69
				15	0	22.87	19.24	30	-10.76
	20385	1753.5	QPSK	1	0	24.00	**20.37**	30	-9.63
				1	14	23.96	20.33	30	-9.67
				8	4	22.99	19.36	30	-10.64
				15	0	23.00	19.37	30	-10.63
3	19965	1711.5	16QAM	1	0	22.85	19.22	30	-10.78
				1	14	22.81	19.18	30	-10.82
				8	4	21.81	18.18	30	-11.82
				15	0	21.90	18.27	30	-11.73
	20175	1732.5	16QAM	1	0	22.87	19.24	30	-10.76
				1	14	22.86	19.23	30	-10.77
				8	4	21.83	18.20	30	-11.8
				15	0	21.94	18.31	30	-11.69
	20385	1753.5	16QAM	1	0	22.92	**19.29**	30	-10.71
				1	14	22.84	19.21	30	-10.79
				8	4	21.85	18.22	30	-11.78
				15	0	21.96	18.33	30	-11.67
3	19965	1711.5	64QAM	1	0	21.87	18.24	30	-11.76
				1	14	21.97	18.34	30	-11.66
				8	4	20.87	17.24	30	-12.76
				15	0	20.89	17.26	30	-12.74
	20175	1732.5	64QAM	1	0	21.83	18.20	30	-11.8
				1	14	22.00	**18.37**	30	-11.63
				8	4	20.81	17.18	30	-12.82
				15	0	20.99	17.36	30	-12.64
	20385	1753.5	64QAM	1	0	21.94	18.31	30	-11.69
				1	14	21.83	18.20	30	-11.8
				8	4	20.85	17.22	30	-12.78
				15	0	20.90	17.27	30	-12.73

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	23.87	20.24	30	-9.76
				1	24	23.90	20.27	30	-9.73
				12	6	22.82	19.19	30	-10.81
				25	0	22.83	19.20	30	-10.8
	20175	1732.5	QPSK	1	0	23.83	20.20	30	-9.8
				1	24	23.99	**20.36**	30	-9.64
				12	6	22.92	19.29	30	-10.71
				25	0	22.82	19.19	30	-10.81
	20375	1752.5	QPSK	1	0	23.81	20.18	30	-9.82
				1	24	23.86	20.23	30	-9.77
				12	6	22.91	19.28	30	-10.72
				25	0	22.86	19.23	30	-10.77
5	19975	1712.5	16QAM	1	0	23.00	**19.37**	30	-10.63
				1	24	22.96	19.33	30	-10.67
				12	6	21.85	18.22	30	-11.78
				25	0	21.95	18.32	30	-11.68
	20175	1732.5	16QAM	1	0	22.96	19.33	30	-10.67
				1	24	22.96	19.33	30	-10.67
				12	6	21.93	18.30	30	-11.7
				25	0	21.85	18.22	30	-11.78
	20375	1752.5	16QAM	1	0	22.98	19.35	30	-10.65
				1	24	22.96	19.33	30	-10.67
				12	6	21.92	18.29	30	-11.71
				25	0	21.90	18.27	30	-11.73
5	19975	1712.5	64QAM	1	0	21.84	18.21	30	-11.79
				1	24	21.88	18.25	30	-11.75
				12	6	21.00	17.37	30	-12.63
				25	0	20.81	17.18	30	-12.82
	20175	1732.5	64QAM	1	0	21.98	**18.35**	30	-11.65
				1	24	21.89	18.26	30	-11.74
				12	6	20.87	17.24	30	-12.76
				25	0	20.84	17.21	30	-12.79
	20375	1752.5	64QAM	1	0	21.84	18.21	30	-11.79
				1	24	21.82	18.19	30	-11.81
				12	6	20.91	17.28	30	-12.72
				25	0	20.97	17.34	30	-12.66

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	23.83	20.20	30	-9.8
				1	49	23.83	20.20	30	-9.8
				25	12	23.00	19.37	30	-10.63
				50	0	22.98	19.35	30	-10.65
	20175	1732.5	QPSK	1	0	23.81	20.18	30	-9.82
				1	49	23.88	20.25	30	-9.75
				25	12	22.85	19.22	30	-10.78
				50	0	22.85	19.22	30	-10.78
	20350	1750	QPSK	1	0	23.96	**20.33**	30	-9.67
				1	49	23.87	20.24	30	-9.76
				25	12	22.81	19.18	30	-10.82
				50	0	22.94	19.31	30	-10.69
10	20000	1715	16QAM	1	0	22.84	19.21	30	-10.79
				1	49	22.95	19.32	30	-10.68
				25	12	21.91	18.28	30	-11.72
				50	0	21.99	18.36	30	-11.64
	20175	1732.5	16QAM	1	0	22.84	19.21	30	-10.79
				1	49	22.99	19.36	30	-10.64
				25	12	21.93	18.30	30	-11.7
				50	0	21.92	18.29	30	-11.71
	20350	1750	16QAM	1	0	22.81	19.18	30	-10.82
				1	49	23.00	**19.37**	30	-10.63
				25	12	21.93	18.30	30	-11.7
				50	0	21.87	18.24	30	-11.76
10	20000	1715	64QAM	1	0	21.88	18.25	30	-11.75
				1	49	21.81	18.18	30	-11.82
				25	12	20.91	17.28	30	-12.72
				50	0	20.88	17.25	30	-12.75
	20175	1732.5	64QAM	1	0	21.97	18.34	30	-11.66
				1	49	21.93	18.30	30	-11.7
				25	12	20.82	17.19	30	-12.81
				50	0	20.82	17.19	30	-12.81
	20350	1750	64QAM	1	0	21.87	18.24	30	-11.76
				1	49	21.98	**18.35**	30	-11.65
				25	12	20.81	17.18	30	-12.82
				50	0	20.89	17.26	30	-12.74

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	24.01	**20.38**	30	-9.62
				1	74	24.00	20.37	30	-9.63
				36	18	22.98	19.35	30	-10.65
				75	0	22.86	19.23	30	-10.77
	20175	1732.5	QPSK	1	0	23.87	20.24	30	-9.76
				1	74	23.93	20.30	30	-9.7
				36	18	22.95	19.32	30	-10.68
				75	0	22.88	19.25	30	-10.75
	20325	1747.5	QPSK	1	0	23.83	20.20	30	-9.8
				1	74	23.84	20.21	30	-9.79
				36	18	22.86	19.23	30	-10.77
				75	0	22.91	19.28	30	-10.72
15	20025	1717.5	16QAM	1	0	22.88	19.25	30	-10.75
				1	74	22.95	**19.32**	30	-10.68
				36	18	21.95	18.32	30	-11.68
				75	0	21.97	18.34	30	-11.66
	20175	1732.5	16QAM	1	0	22.89	19.26	30	-10.74
				1	74	22.90	19.27	30	-10.73
				36	18	21.91	18.28	30	-11.72
				75	0	21.85	18.22	30	-11.78
	20325	1747.5	16QAM	1	0	22.94	19.31	30	-10.69
				1	74	22.89	19.26	30	-10.74
				36	18	21.93	18.30	30	-11.7
				75	0	21.92	18.29	30	-11.71
15	20025	1717.5	64QAM	1	0	21.83	18.20	30	-11.8
				1	74	21.90	18.27	30	-11.73
				36	18	20.94	17.31	30	-12.69
				75	0	20.92	17.29	30	-12.71
	20175	1732.5	64QAM	1	0	22.00	**18.37**	30	-11.63
				1	74	21.94	18.31	30	-11.69
				36	18	21.00	17.37	30	-12.63
				75	0	20.97	17.34	30	-12.66
	20325	1747.5	64QAM	1	0	21.82	18.19	30	-11.81
				1	74	21.88	18.25	30	-11.75
				36	18	20.98	17.35	30	-12.65
				75	0	20.93	17.30	30	-12.7

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Antenna gain (dBi)	-3.63

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	24.13	20.50	30	-9.5
				1	99	24.01	20.38	30	-9.62
				50	25	22.87	19.24	30	-10.76
				100	0	22.90	19.27	30	-10.73
	20175	1732.5	QPSK	1	0	24.22	**20.59**	30	-9.41
				1	99	24.02	20.39	30	-9.61
				50	25	22.97	19.34	30	-10.66
				100	0	22.92	19.29	30	-10.71
	20300	1745	QPSK	1	0	24.12	20.49	30	-9.51
				1	99	24.06	20.43	30	-9.57
				50	25	23.00	19.37	30	-10.63
				100	0	22.99	19.36	30	-10.64
20	20050	1720	16QAM	1	0	22.97	19.34	30	-10.66
				1	99	22.96	19.33	30	-10.67
				50	25	21.83	18.20	30	-11.8
				100	0	21.99	18.36	30	-11.64
	20175	1732.5	16QAM	1	0	22.98	**19.35**	30	-10.65
				1	99	22.86	19.23	30	-10.77
				50	25	21.80	18.17	30	-11.83
				100	0	21.81	18.18	30	-11.82
	20300	1745	16QAM	1	0	22.95	19.32	30	-10.68
				1	99	22.92	19.29	30	-10.71
				50	25	21.82	18.19	30	-11.81
				100	0	21.88	18.25	30	-11.75
20	20050	1720	64QAM	1	0	21.90	18.27	30	-11.73
				1	99	21.92	18.29	30	-11.71
				50	25	20.92	17.29	30	-12.71
				100	0	20.90	17.27	30	-12.73
	20175	1732.5	64QAM	1	0	22.00	**18.37**	30	-11.63
				1	99	21.99	18.36	30	-11.64
				50	25	21.00	17.37	30	-12.63
				100	0	20.89	17.26	30	-12.74
	20300	1745	64QAM	1	0	21.85	18.22	30	-11.78
				1	99	21.83	18.20	30	-11.8
				50	25	20.90	17.27	30	-12.73
				100	0	20.98	17.35	30	-12.65

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Antenna gain (dBi)	-3.86

LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	23.38	17.37	19.52	38.45	-21.08
				1	5	23.49	17.48	**19.63**	38.45	-20.97
				3	2	23.49	17.48	**19.63**	38.45	-20.97
				6	0	22.49	16.48	18.63	38.45	-21.97
	20525	836.5	QPSK	1	0	23.35	17.34	19.49	38.45	-21.11
				1	5	23.49	17.48	**19.63**	38.45	-20.97
				3	2	23.46	17.45	19.60	38.45	-21.00
				6	0	22.34	16.33	18.48	38.45	-22.12
	20643	848.3	QPSK	1	0	23.41	17.40	19.55	38.45	-21.05
				1	5	23.41	17.40	19.55	38.45	-21.05
				3	2	23.36	17.35	19.50	38.45	-21.10
				6	0	22.32	16.31	18.46	38.45	-22.14
1.4	20407	824.7	16QAM	1	0	22.45	16.44	18.59	38.45	-22.01
				1	5	22.33	16.32	18.47	38.45	-22.13
				3	2	22.45	16.44	18.59	38.45	-22.01
				6	0	21.42	15.41	17.56	38.45	-23.04
	20525	836.5	16QAM	1	0	22.38	16.37	18.52	38.45	-22.08
				1	5	22.34	16.33	18.48	38.45	-22.12
				3	2	22.32	16.31	18.46	38.45	-22.14
				6	0	21.36	15.35	17.50	38.45	-23.10
	20643	848.3	16QAM	1	0	22.38	16.37	18.52	38.45	-22.08
				1	5	22.48	16.47	**18.62**	38.45	-21.98
				3	2	22.42	16.41	18.56	38.45	-22.04
				6	0	21.34	15.33	17.48	38.45	-23.12
1.4	20407	824.7	64QAM	1	0	21.36	15.35	17.50	38.45	-23.10
				1	5	21.42	15.41	17.56	38.45	-23.04
				3	2	21.50	15.49	**17.64**	38.45	-22.96
				6	0	20.40	14.39	16.54	38.45	-24.06
	20525	836.5	64QAM	1	0	21.39	15.38	17.53	38.45	-23.07
				1	5	21.39	15.38	17.53	38.45	-23.07
				3	2	21.50	15.49	**17.64**	38.45	-22.96
				6	0	20.38	14.37	16.52	38.45	-24.08
	20643	848.3	64QAM	1	0	21.45	15.44	17.59	38.45	-23.01
				1	5	21.32	15.31	17.46	38.45	-23.14
				3	2	21.49	15.48	17.63	38.45	-22.97
				6	0	20.47	14.46	16.61	38.45	-23.99

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Antenna gain (dBi)	-3.86

LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	23.40	17.39	19.54	38.45	-21.06
				1	14	23.33	17.32	19.47	38.45	-21.13
				8	4	22.36	16.35	18.50	38.45	-22.10
				15	0	22.42	16.41	18.56	38.45	-22.04
	20525	836.5	QPSK	1	0	23.49	17.48	**19.63**	38.45	-20.97
				1	14	23.44	17.43	19.58	38.45	-21.02
				8	4	22.48	16.47	18.62	38.45	-21.98
				15	0	22.38	16.37	18.52	38.45	-22.08
	20635	847.5	QPSK	1	0	23.47	17.46	19.61	38.45	-20.99
				1	14	23.49	17.48	**19.63**	38.45	-20.97
				8	4	22.47	16.46	18.61	38.45	-21.99
				15	0	22.50	16.49	18.64	38.45	-21.96
3	20415	825.5	16QAM	1	0	22.35	16.34	18.49	38.45	-22.11
				1	14	22.35	16.34	18.49	38.45	-22.11
				8	4	21.46	15.45	17.60	38.45	-23.00
				15	0	21.39	15.38	17.53	38.45	-23.07
	20525	836.5	16QAM	1	0	22.35	16.34	18.49	38.45	-22.11
				1	14	22.42	16.41	18.56	38.45	-22.04
				8	4	21.39	15.38	17.53	38.45	-23.07
				15	0	21.48	15.47	17.62	38.45	-22.98
	20635	847.5	16QAM	1	0	22.46	16.45	18.60	38.45	-22.00
				1	14	22.47	16.46	**18.61**	38.45	-21.99
				8	4	21.50	15.49	17.64	38.45	-22.96
				15	0	21.33	15.32	17.47	38.45	-23.13
3	20415	825.5	64QAM	1	0	21.33	15.32	17.47	38.45	-23.13
				1	14	21.36	15.35	17.50	38.45	-23.10
				8	4	20.31	14.30	16.45	38.45	-24.15
				15	0	20.43	14.42	16.57	38.45	-24.03
	20525	836.5	64QAM	1	0	21.44	15.43	17.58	38.45	-23.02
				1	14	21.47	15.46	**17.61**	38.45	-22.99
				8	4	20.50	14.49	16.64	38.45	-23.96
				15	0	20.49	14.48	16.63	38.45	-23.97
	20635	847.5	64QAM	1	0	21.33	15.32	17.47	38.45	-23.13
				1	14	21.31	15.30	17.45	38.45	-23.15
				8	4	20.34	14.33	16.48	38.45	-24.12
				15	0	20.34	14.33	16.48	38.45	-24.12

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Antenna gain (dBi)	-3.86

LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	23.40	17.39	19.54	38.45	-21.06
				1	24	23.42	17.41	19.56	38.45	-21.04
				12	6	22.31	16.30	18.45	38.45	-22.15
				25	0	22.50	16.49	18.64	38.45	-21.96
	20525	836.5	QPSK	1	0	23.45	17.44	**19.59**	38.45	-21.01
				1	24	23.44	17.43	19.58	38.45	-21.02
				12	6	22.45	16.44	18.59	38.45	-22.01
				25	0	22.37	16.36	18.51	38.45	-22.09
	20625	846.5	QPSK	1	0	23.33	17.32	19.47	38.45	-21.13
				1	24	23.38	17.37	19.52	38.45	-21.08
				12	6	22.38	16.37	18.52	38.45	-22.08
				25	0	22.41	16.40	18.55	38.45	-22.05
5	20425	826.5	16QAM	1	0	22.36	16.35	18.50	38.45	-22.10
				1	24	22.42	16.41	**18.56**	38.45	-22.04
				12	6	21.36	15.35	17.50	38.45	-23.10
				25	0	21.50	15.49	17.64	38.45	-22.96
	20525	836.5	16QAM	1	0	22.42	16.41	**18.56**	38.45	-22.04
				1	24	22.41	16.40	18.55	38.45	-22.05
				12	6	21.45	15.44	17.59	38.45	-23.01
				25	0	21.37	15.36	17.51	38.45	-23.09
	20625	846.5	16QAM	1	0	22.38	16.37	18.52	38.45	-22.08
				1	24	22.36	16.35	18.50	38.45	-22.10
				12	6	21.50	15.49	17.64	38.45	-22.96
				25	0	21.36	15.35	17.50	38.45	-23.10
5	20425	826.5	64QAM	1	0	21.31	15.30	17.45	38.45	-23.15
				1	24	21.47	15.46	**17.61**	38.45	-22.99
				12	6	20.47	14.46	16.61	38.45	-23.99
				25	0	20.35	14.34	16.49	38.45	-24.11
	20525	836.5	64QAM	1	0	21.31	15.30	17.45	38.45	-23.15
				1	24	21.32	15.31	17.46	38.45	-23.14
				12	6	20.43	14.42	16.57	38.45	-24.03
				25	0	20.50	14.49	16.64	38.45	-23.96
	20625	846.5	64QAM	1	0	21.45	15.44	17.59	38.45	-23.01
				1	24	21.34	15.33	17.48	38.45	-23.12
				12	6	20.46	14.45	16.60	38.45	-24.00
				25	0	20.38	14.37	16.52	38.45	-24.08

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Antenna gain (dBi)	-3.86

LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	23.64	17.63	19.78	38.45	-20.82
				1	49	23.65	17.64	19.79	38.45	-20.81
				25	12	22.40	16.39	18.54	38.45	-22.06
				50	0	22.33	16.32	18.47	38.45	-22.13
	20525	836.5	QPSK	1	0	23.66	17.65	19.80	38.45	-20.80
				1	49	23.61	17.60	19.75	38.45	-20.85
				25	12	22.47	16.46	18.61	38.45	-21.99
				50	0	22.41	16.40	18.55	38.45	-22.05
	20600	844	QPSK	1	0	23.67	17.66	**19.81**	38.45	-20.79
				1	49	23.63	17.62	19.77	38.45	-20.83
				25	12	22.33	16.32	18.47	38.45	-22.13
				50	0	22.36	16.35	18.50	38.45	-22.10
10	20450	829	16QAM	1	0	22.36	16.35	18.50	38.45	-22.10
				1	49	22.44	16.43	**18.58**	38.45	-22.02
				25	12	21.48	15.47	17.62	38.45	-22.98
				50	0	21.31	15.30	17.45	38.45	-23.15
	20525	836.5	16QAM	1	0	22.32	16.31	18.46	38.45	-22.14
				1	49	22.42	16.41	18.56	38.45	-22.04
				25	12	21.46	15.45	17.60	38.45	-23.00
				50	0	21.33	15.32	17.47	38.45	-23.13
	20600	844	16QAM	1	0	22.44	16.43	**18.58**	38.45	-22.02
				1	49	22.32	16.31	18.46	38.45	-22.14
				25	12	21.44	15.43	17.58	38.45	-23.02
				50	0	21.38	15.37	17.52	38.45	-23.08
10	20450	829	64QAM	1	0	21.43	15.42	17.57	38.45	-23.03
				1	49	21.44	15.43	17.58	38.45	-23.02
				25	12	20.47	14.46	16.61	38.45	-23.99
				50	0	20.42	14.41	16.56	38.45	-24.04
	20525	836.5	64QAM	1	0	21.34	15.33	17.48	38.45	-23.12
				1	49	21.47	15.46	**17.61**	38.45	-22.99
				25	12	20.38	14.37	16.52	38.45	-24.08
				50	0	20.34	14.33	16.48	38.45	-24.12
	20600	844	64QAM	1	0	21.36	15.35	17.50	38.45	-23.10
				1	49	21.44	15.43	17.58	38.45	-23.02
				25	12	20.49	14.48	16.63	38.45	-23.97
				50	0	20.34	14.33	16.48	38.45	-24.12

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Antenna gain (dBi)	-2.97

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	20775	2502.5	QPSK	1	0	23.20	20.23	33	-12.77
				1	24	23.34	20.37	33	-12.63
				12	6	22.92	19.95	33	-13.05
				25	0	22.92	19.95	33	-13.05
	21100	2535	QPSK	1	0	23.33	20.36	33	-12.64
				1	24	23.38	**20.41**	33	-12.59
				12	6	22.94	19.97	33	-13.03
				25	0	22.95	19.98	33	-13.02
	21425	2567.5	QPSK	1	0	23.28	20.31	33	-12.69
				1	24	23.30	20.33	33	-12.67
				12	6	22.99	20.02	33	-12.98
				25	0	22.83	19.86	33	-13.14
5	20775	2502.5	16QAM	1	0	22.84	19.87	33	-13.13
				1	24	22.98	20.01	33	-12.99
				12	6	21.85	18.88	33	-14.12
				25	0	21.85	18.88	33	-14.12
	21100	2535	16QAM	1	0	22.98	20.01	33	-12.99
				1	24	22.98	20.01	33	-12.99
				12	6	21.90	18.93	33	-14.07
				25	0	21.88	18.91	33	-14.09
	21425	2567.5	16QAM	1	0	22.99	**20.02**	33	-12.98
				1	24	22.91	19.94	33	-13.06
				12	6	21.89	18.92	33	-14.08
				25	0	21.85	18.88	33	-14.12
5	20775	2502.5	64QAM	1	0	21.97	**19.00**	33	-14
				1	24	21.89	18.92	33	-14.08
				12	6	20.81	17.84	33	-15.16
				25	0	20.82	17.85	33	-15.15
	21100	2535	64QAM	1	0	21.95	18.98	33	-14.02
				1	24	21.90	18.93	33	-14.07
				12	6	20.85	17.88	33	-15.12
				25	0	20.97	18.00	33	-15
	21425	2567.5	64QAM	1	0	21.92	18.95	33	-14.05
				1	24	21.84	18.87	33	-14.13
				12	6	20.91	17.94	33	-15.06
				25	0	20.88	17.91	33	-15.09

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Antenna gain (dBi)	-2.97

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20800	2505	QPSK	1	0	23.37	20.40	33	-12.6
				1	49	23.30	20.33	33	-12.67
				25	12	22.91	19.94	33	-13.06
				50	0	22.91	19.94	33	-13.06
	21100	2535	QPSK	1	0	23.22	20.25	33	-12.75
				1	49	23.20	20.23	33	-12.77
				25	12	22.84	19.87	33	-13.13
				50	0	22.87	19.90	33	-13.1
	21400	2565	QPSK	1	0	23.36	20.39	33	-12.61
				1	49	23.39	**20.42**	33	-12.58
				25	12	22.87	19.90	33	-13.1
				50	0	22.97	20.00	33	-13
10	20800	2505	16QAM	1	0	22.94	19.97	33	-13.03
				1	49	22.93	19.96	33	-13.04
				25	12	21.94	18.97	33	-14.03
				50	0	21.85	18.88	33	-14.12
	21100	2535	16QAM	1	0	22.95	19.98	33	-13.02
				1	49	22.97	20.00	33	-13
				25	12	21.83	18.86	33	-14.14
				50	0	21.82	18.85	33	-14.15
	21400	2565	16QAM	1	0	22.97	20.00	33	-13
				1	49	22.99	**20.02**	33	-12.98
				25	12	21.97	19.00	33	-14
				50	0	21.88	18.91	33	-14.09
10	20800	2505	64QAM	1	0	21.99	**19.02**	33	-13.98
				1	49	21.85	18.88	33	-14.12
				25	12	20.93	17.96	33	-15.04
				50	0	20.89	17.92	33	-15.08
	21100	2535	64QAM	1	0	21.98	19.01	33	-13.99
				1	49	21.85	18.88	33	-14.12
				25	12	20.87	17.90	33	-15.1
				50	0	20.93	17.96	33	-15.04
	21400	2565	64QAM	1	0	21.84	18.87	33	-14.13
				1	49	21.91	18.94	33	-14.06
				25	12	21.00	18.03	33	-14.97
				50	0	20.91	17.94	33	-15.06

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Antenna gain (dBi)	-2.97

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20825	2507.5	QPSK	1	0	23.28	20.31	33	-12.69
				1	74	23.22	20.25	33	-12.75
				36	18	22.90	19.93	33	-13.07
				75	0	22.98	20.01	33	-12.99
	21100	2535	QPSK	1	0	23.36	20.39	33	-12.61
				1	74	23.29	20.32	33	-12.68
				36	18	22.99	20.02	33	-12.98
				75	0	22.89	19.92	33	-13.08
	21375	2562.5	QPSK	1	0	23.37	20.40	33	-12.6
				1	74	23.39	**20.42**	33	-12.58
				36	18	22.91	19.94	33	-13.06
				75	0	22.90	19.93	33	-13.07
15	20825	2507.5	16QAM	1	0	23.00	**20.03**	33	-12.97
				1	74	22.87	19.90	33	-13.1
				36	18	21.95	18.98	33	-14.02
				75	0	21.84	18.87	33	-14.13
	21100	2535	16QAM	1	0	22.93	19.96	33	-13.04
				1	74	22.96	19.99	33	-13.01
				36	18	21.84	18.87	33	-14.13
				75	0	21.86	18.89	33	-14.11
	21375	2562.5	16QAM	1	0	22.91	19.94	33	-13.06
				1	74	22.90	19.93	33	-13.07
				36	18	21.94	18.97	33	-14.03
				75	0	21.83	18.86	33	-14.14
15	20825	2507.5	64QAM	1	0	22.00	**19.03**	33	-13.97
				1	74	21.95	18.98	33	-14.02
				36	18	20.86	17.89	33	-15.11
				75	0	20.85	17.88	33	-15.12
	21100	2535	64QAM	1	0	21.82	18.85	33	-14.15
				1	74	21.99	19.02	33	-13.98
				36	18	20.98	18.01	33	-14.99
				75	0	20.95	17.98	33	-15.02
	21375	2562.5	64QAM	1	0	21.88	18.91	33	-14.09
				1	74	21.93	18.96	33	-14.04
				36	18	20.93	17.96	33	-15.04
				75	0	20.91	17.94	33	-15.06

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Antenna gain (dBi)	-2.97

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20850	2510	QPSK	1	0	23.34	20.37	33	-12.63
				1	99	23.41	20.44	33	-12.56
				50	25	22.85	19.88	33	-13.12
				100	0	22.89	19.92	33	-13.08
	21100	2535	QPSK	1	0	23.36	20.39	33	-12.61
				1	99	23.42	20.45	33	-12.55
				50	25	22.93	19.96	33	-13.04
				100	0	22.94	19.97	33	-13.03
	21350	2560	QPSK	1	0	23.32	20.35	33	-12.65
				1	99	23.46	**20.49**	33	-12.51
				50	25	22.97	20.00	33	-13
				100	0	22.83	19.86	33	-13.14
20	20850	2510	QPSK	1	0	22.86	19.89	33	-13.11
				1	99	22.94	19.97	33	-13.03
				50	25	21.86	18.89	33	-14.11
				100	0	21.83	18.86	33	-14.14
	21100	2535	QPSK	1	0	22.93	19.96	33	-13.04
				1	99	22.89	19.92	33	-13.08
				50	25	21.90	18.93	33	-14.07
				100	0	21.91	18.94	33	-14.06
	21350	2560	QPSK	1	0	22.95	**19.98**	33	-13.02
				1	99	22.91	19.94	33	-13.06
				50	25	21.92	18.95	33	-14.05
				100	0	21.87	18.90	33	-14.1
20	20850	2510	QPSK	1	0	21.84	18.87	33	-14.13
				1	99	22.00	**19.03**	33	-13.97
				50	25	20.91	17.94	33	-15.06
				100	0	20.93	17.96	33	-15.04
	21100	2535	QPSK	1	0	21.95	18.98	33	-14.02
				1	99	21.87	18.90	33	-14.1
				50	25	20.82	17.85	33	-15.15
				100	0	20.84	17.87	33	-15.13
	21350	2560	QPSK	1	0	21.86	18.89	33	-14.11
				1	99	21.94	18.97	33	-14.03
				50	25	20.93	17.96	33	-15.04
				100	0	20.79	17.82	33	-15.18

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Antenna gain (dBi)	-2.1

LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	23.39	19.14	21.29	34.77	-15.63
				1	5	23.26	19.01	21.16	34.77	-15.76
				3	2	24.19	19.94	**22.09**	34.77	-14.83
				6	0	23.09	18.84	20.99	34.77	-15.93
	23095	707.5	QPSK	1	0	23.21	18.96	21.11	34.77	-15.81
				1	5	23.25	19.00	21.15	34.77	-15.77
				3	2	24.07	19.82	21.97	34.77	-14.95
				6	0	23.01	18.76	20.91	34.77	-16.01
	23173	715.5	QPSK	1	0	23.40	19.15	21.30	34.77	-15.62
				1	5	23.23	18.98	21.13	34.77	-15.79
				3	2	24.07	19.82	21.97	34.77	-14.95
				6	0	23.14	18.89	21.04	34.77	-15.88
1.4	23017	699.7	16QAM	1	0	23.18	18.93	**21.08**	34.77	-15.84
				1	5	23.11	18.86	21.01	34.77	-15.91
				3	2	23.11	18.86	21.01	34.77	-15.91
				6	0	22.08	17.83	19.98	34.77	-16.94
	23095	707.5	16QAM	1	0	23.12	18.87	21.02	34.77	-15.90
				1	5	23.18	18.93	**21.08**	34.77	-15.84
				3	2	23.08	18.83	20.98	34.77	-15.94
				6	0	22.02	17.77	19.92	34.77	-17.00
	23173	715.5	16QAM	1	0	23.18	18.93	**21.08**	34.77	-15.84
				1	5	23.17	18.92	21.07	34.77	-15.85
				3	2	23.13	18.88	21.03	34.77	-15.89
				6	0	22.05	17.80	19.95	34.77	-16.97
1.4	23017	699.7	64QAM	1	0	22.14	17.89	20.04	34.77	-16.88
				1	5	22.16	17.91	**20.06**	34.77	-16.86
				3	2	22.09	17.84	19.99	34.77	-16.93
				6	0	21.04	16.79	18.94	34.77	-17.98
	23095	707.5	64QAM	1	0	22.11	17.86	20.01	34.77	-16.91
				1	5	22.13	17.88	20.03	34.77	-16.89
				3	2	22.09	17.84	19.99	34.77	-16.93
				6	0	21.12	16.87	19.02	34.77	-17.90
	23173	715.5	64QAM	1	0	22.10	17.85	20.00	34.77	-16.92
				1	5	22.01	17.76	19.91	34.77	-17.01
				3	2	22.06	17.81	19.96	34.77	-16.96
				6	0	21.07	16.82	18.97	34.77	-17.95

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Antenna gain (dBi)	-2.1

LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	23.39	19.14	**21.29**	34.77	-15.63
				1	14	23.39	19.14	**21.29**	34.77	-15.63
				8	4	23.02	18.77	20.92	34.77	-16.00
				15	0	23.10	18.85	21.00	34.77	-15.92
	23095	707.5	QPSK	1	0	23.33	19.08	21.23	34.77	-15.69
				1	14	23.23	18.98	21.13	34.77	-15.79
				8	4	23.09	18.84	20.99	34.77	-15.93
				15	0	23.05	18.80	20.95	34.77	-15.97
	23165	714.5	QPSK	1	0	23.31	19.06	21.21	34.77	-15.71
				1	14	23.38	19.13	21.28	34.77	-15.64
				8	4	23.02	18.77	20.92	34.77	-16.00
				15	0	23.11	18.86	21.01	34.77	-15.91
3	23025	700.5	16QAM	1	0	23.19	18.94	**21.09**	34.77	-15.83
				1	14	23.10	18.85	21.00	34.77	-15.92
				8	4	22.16	17.91	20.06	34.77	-16.86
				15	0	22.09	17.84	19.99	34.77	-16.93
	23095	707.5	16QAM	1	0	23.10	18.85	21.00	34.77	-15.92
				1	14	23.14	18.89	21.04	34.77	-15.88
				8	4	22.15	17.90	20.05	34.77	-16.87
				15	0	22.01	17.76	19.91	34.77	-17.01
	23165	714.5	16QAM	1	0	23.19	18.94	**21.09**	34.77	-15.83
				1	14	23.11	18.86	21.01	34.77	-15.91
				8	4	22.13	17.88	20.03	34.77	-16.89
				15	0	22.11	17.86	20.01	34.77	-16.91
3	23025	700.5	64QAM	1	0	22.18	17.93	**20.08**	34.77	-16.84
				1	14	22.17	17.92	20.07	34.77	-16.85
				8	4	21.02	16.77	18.92	34.77	-18.00
				15	0	21.10	16.85	19.00	34.77	-17.92
	23095	707.5	64QAM	1	0	22.05	17.80	19.95	34.77	-16.97
				1	14	22.08	17.83	19.98	34.77	-16.94
				8	4	21.17	16.92	19.07	34.77	-17.85
				15	0	21.05	16.80	18.95	34.77	-17.97
	23165	714.5	64QAM	1	0	22.01	17.76	19.91	34.77	-17.01
				1	14	22.17	17.92	20.07	34.77	-16.85
				8	4	21.07	16.82	18.97	34.77	-17.95
				15	0	21.02	16.77	18.92	34.77	-18.00

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Antenna gain (dBi)	-2.1

LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	23.21	18.96	21.11	34.77	-15.81
				1	24	23.20	18.95	21.10	34.77	-15.82
				12	6	23.11	18.86	21.01	34.77	-15.91
				25	0	23.12	18.87	21.02	34.77	-15.90
	23095	707.5	QPSK	1	0	23.35	19.10	21.25	34.77	-15.67
				1	24	23.40	19.15	**21.30**	34.77	-15.62
				12	6	23.07	18.82	20.97	34.77	-15.95
				25	0	23.02	18.77	20.92	34.77	-16.00
	23155	713.5	QPSK	1	0	23.20	18.95	21.10	34.77	-15.82
				1	24	23.24	18.99	21.14	34.77	-15.78
				12	6	23.04	18.79	20.94	34.77	-15.98
				25	0	23.19	18.94	21.09	34.77	-15.83
5	23035	701.5	16QAM	1	0	23.19	18.94	**21.09**	34.77	-15.83
				1	24	23.11	18.86	21.01	34.77	-15.91
				12	6	22.14	17.89	20.04	34.77	-16.88
				25	0	22.02	17.77	19.92	34.77	-17.00
	23095	707.5	16QAM	1	0	23.05	18.80	20.95	34.77	-15.97
				1	24	23.06	18.81	20.96	34.77	-15.96
				12	6	22.14	17.89	20.04	34.77	-16.88
				25	0	22.19	17.94	20.09	34.77	-16.83
	23155	713.5	16QAM	1	0	23.11	18.86	21.01	34.77	-15.91
				1	24	23.10	18.85	21.00	34.77	-15.92
				12	6	22.14	17.89	20.04	34.77	-16.88
				25	0	22.13	17.88	20.03	34.77	-16.89
5	23035	701.5	64QAM	1	0	22.07	17.82	19.97	34.77	-16.95
				1	24	22.15	17.90	**20.05**	34.77	-16.87
				12	6	21.09	16.84	18.99	34.77	-17.93
				25	0	21.13	16.88	19.03	34.77	-17.89
	23095	707.5	64QAM	1	0	22.07	17.82	19.97	34.77	-16.95
				1	24	22.13	17.88	20.03	34.77	-16.89
				12	6	21.16	16.91	19.06	34.77	-17.86
				25	0	21.17	16.92	19.07	34.77	-17.85
	23155	713.5	64QAM	1	0	22.14	17.89	20.04	34.77	-16.88
				1	24	22.01	17.76	19.91	34.77	-17.01
				12	6	21.17	16.92	19.07	34.77	-17.85
				25	0	21.14	16.89	19.04	34.77	-17.88

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Antenna gain (dBi)	-2.1

LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	23.55	19.30	21.45	34.77	-15.47
				1	49	23.74	19.49	**21.64**	34.77	-15.28
				25	12	23.18	18.93	21.08	34.77	-15.84
				50	0	23.13	18.88	21.03	34.77	-15.89
	23095	707.5	QPSK	1	0	23.50	19.25	21.40	34.77	-15.52
				1	49	23.51	19.26	21.41	34.77	-15.51
				25	12	23.14	18.89	21.04	34.77	-15.88
				50	0	23.18	18.93	21.08	34.77	-15.84
	23130	711	QPSK	1	0	23.49	19.24	21.39	34.77	-15.53
				1	49	23.68	19.43	21.58	34.77	-15.34
				25	12	23.01	18.76	20.91	34.77	-16.01
				50	0	23.10	18.85	21.00	34.77	-15.92
10	23060	704	16QAM	1	0	23.15	18.90	21.05	34.77	-15.87
				1	49	23.08	18.83	20.98	34.77	-15.94
				25	12	22.13	17.88	20.03	34.77	-16.89
				50	0	22.06	17.81	19.96	34.77	-16.96
	23095	707.5	16QAM	1	0	23.11	18.86	21.01	34.77	-15.91
				1	49	23.16	18.91	**21.06**	34.77	-15.86
				25	12	22.16	17.91	20.06	34.77	-16.86
				50	0	22.01	17.76	19.91	34.77	-17.01
	23130	711	16QAM	1	0	23.07	18.82	20.97	34.77	-15.95
				1	49	23.09	18.84	20.99	34.77	-15.93
				25	12	22.01	17.76	19.91	34.77	-17.01
				50	0	22.02	17.77	19.92	34.77	-17.00
10	23060	704	64QAM	1	0	22.10	17.85	20.00	34.77	-16.92
				1	49	22.01	17.76	19.91	34.77	-17.01
				25	12	21.01	16.76	18.91	34.77	-18.01
				50	0	21.14	16.89	19.04	34.77	-17.88
	23095	707.5	64QAM	1	0	22.05	17.80	19.95	34.77	-16.97
				1	49	22.13	17.88	20.03	34.77	-16.89
				25	12	21.02	16.77	18.92	34.77	-18.00
				50	0	21.04	16.79	18.94	34.77	-17.98
	23130	711	64QAM	1	0	22.03	17.78	19.93	34.77	-16.99
				1	49	22.15	17.90	**20.05**	34.77	-16.87
				25	12	21.03	16.78	18.93	34.77	-17.99
				50	0	21.18	16.93	19.08	34.77	-17.84

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Antenna gain (dBi)	-3.34

LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	23.88	18.39	**20.54**	34.77	-16.38
				1	24	23.87	18.38	20.53	34.77	-16.39
				12	6	22.84	17.35	19.50	34.77	-17.42
				25	0	22.78	17.29	19.44	34.77	-17.48
	23230	782	QPSK	1	0	23.69	18.20	20.35	34.77	-16.57
				1	24	23.57	18.08	20.23	34.77	-16.69
				12	6	22.51	17.02	19.17	34.77	-17.75
				25	0	22.66	17.17	19.32	34.77	-17.60
	23255	784.5	QPSK	1	0	23.85	18.36	20.51	34.77	-16.41
				1	24	23.80	18.31	20.46	34.77	-16.46
				12	6	22.78	17.29	19.44	34.77	-17.48
				25	0	22.83	17.34	19.49	34.77	-17.43
5	23205	779.5	16QAM	1	0	22.80	17.31	19.46	34.77	-17.46
				1	24	22.83	17.34	19.49	34.77	-17.43
				12	6	21.83	16.34	18.49	34.77	-18.43
				25	0	21.84	16.35	18.50	34.77	-18.42
	23230	782	16QAM	1	0	22.70	17.21	19.36	34.77	-17.56
				1	24	22.56	17.07	19.22	34.77	-17.70
				12	6	21.67	16.18	18.33	34.77	-18.59
				25	0	21.69	16.20	18.35	34.77	-18.57
	23255	784.5	16QAM	1	0	22.88	17.39	**19.54**	34.77	-17.38
				1	24	22.79	17.30	19.45	34.77	-17.47
				12	6	21.78	16.29	18.44	34.77	-18.48
				25	0	21.74	16.25	18.40	34.77	-18.52
5	23205	779.5	64QAM	1	0	21.74	16.25	18.40	34.77	-18.52
				1	24	21.83	16.34	**18.49**	34.77	-18.43
				12	6	20.72	15.23	17.38	34.77	-19.54
				25	0	20.70	15.21	17.36	34.77	-19.56
	23230	782	64QAM	1	0	21.66	16.17	18.32	34.77	-18.60
				1	24	21.65	16.16	18.31	34.77	-18.61
				12	6	20.54	15.05	17.20	34.77	-19.72
				25	0	20.55	15.06	17.21	34.77	-19.71
	23255	784.5	64QAM	1	0	21.76	16.27	18.42	34.77	-18.50
				1	24	21.81	16.32	18.47	34.77	-18.45
				12	6	20.81	15.32	17.47	34.77	-19.45
				25	0	20.81	15.32	17.47	34.77	-19.45

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Antenna gain (dBi)	-3.34

LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	23.82	18.33	20.48	34.77	-16.44
				1	49	23.85	18.36	**20.51**	34.77	-16.41
				25	12	22.52	17.03	19.18	34.77	-17.74
				50	0	22.66	17.17	19.32	34.77	-17.60
10	23230	782	16QAM	1	0	22.67	17.18	19.33	34.77	-17.59
				1	49	22.70	17.21	**19.36**	34.77	-17.56
				25	12	21.55	16.06	18.21	34.77	-18.71
				50	0	21.69	16.20	18.35	34.77	-18.57
10	23230	782	64QAM	1	0	21.59	16.10	18.25	34.77	-18.67
				1	49	21.60	16.11	**18.26**	34.77	-18.66
				25	12	20.55	15.06	17.21	34.77	-19.71
				50	0	20.64	15.15	17.30	34.77	-19.62

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Antenna gain (dBi)	-3.82

LTE Band 14_Uplink frequency band : 788 to 798 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23305	790.5	QPSK	1	0	23.89	18.40	**20.55**	34.77	-16.37
				1	24	23.72	18.23	20.38	34.77	-16.54
				12	6	22.74	17.25	19.40	34.77	-17.52
				25	0	22.77	17.28	19.43	34.77	-17.49
	23330	793	QPSK	1	0	23.59	18.10	20.25	34.77	-16.67
				1	24	23.63	18.14	20.29	34.77	-16.63
				12	6	22.53	17.04	19.19	34.77	-17.73
				25	0	22.67	17.18	19.33	34.77	-17.59
	23355	795.5	QPSK	1	0	23.85	18.36	20.51	34.77	-16.41
				1	24	23.86	18.37	20.52	34.77	-16.40
				12	6	22.72	17.23	19.38	34.77	-17.54
				25	0	22.70	17.21	19.36	34.77	-17.56
5	23305	790.5	16QAM	1	0	22.78	17.29	19.44	34.77	-17.48
				1	24	22.82	17.33	**19.48**	34.77	-17.44
				12	6	21.87	16.38	18.53	34.77	-18.39
				25	0	21.83	16.34	18.49	34.77	-18.43
	23330	793	16QAM	1	0	22.51	17.02	19.17	34.77	-17.75
				1	24	22.55	17.06	19.21	34.77	-17.71
				12	6	21.54	16.05	18.20	34.77	-18.72
				25	0	21.62	16.13	18.28	34.77	-18.64
	23355	795.5	16QAM	1	0	22.82	17.33	**19.48**	34.77	-17.44
				1	24	22.76	17.27	19.42	34.77	-17.50
				12	6	21.87	16.38	18.53	34.77	-18.39
				25	0	21.73	16.24	18.39	34.77	-18.53
5	23305	790.5	64QAM	1	0	21.72	16.23	18.38	34.77	-18.54
				1	24	21.76	16.27	18.42	34.77	-18.50
				12	6	20.84	15.35	17.50	34.77	-19.42
				25	0	20.72	15.23	17.38	34.77	-19.54
	23330	793	64QAM	1	0	21.67	16.18	18.33	34.77	-18.59
				1	24	21.64	16.15	18.30	34.77	-18.62
				12	6	20.60	15.11	17.26	34.77	-19.66
				25	0	20.53	15.04	17.19	34.77	-19.73
	23355	795.5	64QAM	1	0	21.85	16.36	**18.51**	34.77	-18.41
				1	24	21.79	16.30	18.45	34.77	-18.47
				12	6	20.83	15.34	17.49	34.77	-19.43
				25	0	20.76	15.27	17.42	34.77	-19.50

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Antenna gain (dBi)	-3.82

LTE Band 14_Uplink frequency band : 788 to 798 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23330	793	QPSK	1	0	23.92	18.43	**20.58**	34.77	-16.34
				1	49	23.76	18.27	20.42	34.77	-16.50
				25	12	22.62	17.13	19.28	34.77	-17.64
				50	0	22.70	17.21	19.36	34.77	-17.56
10	23330	793	16QAM	1	0	22.58	17.09	19.24	34.77	-17.68
				1	49	22.62	17.13	**19.28**	34.77	-17.64
				25	12	21.60	16.11	18.26	34.77	-18.66
				50	0	21.52	16.03	18.18	34.77	-18.74
10	23330	793	64QAM	1	0	21.51	16.02	18.17	34.77	-18.75
				1	49	21.63	16.14	**18.29**	34.77	-18.63
				25	12	20.57	15.08	17.23	34.77	-19.69
				50	0	20.63	15.14	17.29	34.77	-19.63

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Antenna gain (dBi)	-2.1

LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23755	706.5	QPSK	1	0	23.52	19.27	21.42	34.77	-15.50
				1	24	23.50	19.25	21.40	34.77	-15.52
				12	6	22.59	18.34	20.49	34.77	-16.43
				25	0	22.43	18.18	20.33	34.77	-16.59
	23790	710	QPSK	1	0	23.51	19.26	21.41	34.77	-15.51
				1	24	23.58	19.33	**21.48**	34.77	-15.44
				12	6	22.53	18.28	20.43	34.77	-16.49
				25	0	22.56	18.31	20.46	34.77	-16.46
	23825	713.5	QPSK	1	0	23.55	19.30	21.45	34.77	-15.47
				1	24	23.44	19.19	21.34	34.77	-15.58
				12	6	22.50	18.25	20.40	34.77	-16.52
				25	0	22.40	18.15	20.30	34.77	-16.62
5	23755	706.5	16QAM	1	0	22.45	18.20	20.35	34.77	-16.57
				1	24	22.46	18.21	20.36	34.77	-16.56
				12	6	21.46	17.21	19.36	34.77	-17.56
				25	0	21.55	17.30	19.45	34.77	-17.47
	23790	710	16QAM	1	0	22.49	18.24	**20.39**	34.77	-16.53
				1	24	22.42	18.17	20.32	34.77	-16.60
				12	6	21.48	17.23	19.38	34.77	-17.54
				25	0	21.58	17.33	19.48	34.77	-17.44
	23825	713.5	16QAM	1	0	22.43	18.18	20.33	34.77	-16.59
				1	24	22.41	18.16	20.31	34.77	-16.61
				12	6	21.53	17.28	19.43	34.77	-17.49
				25	0	21.43	17.18	19.33	34.77	-17.59
5	23755	706.5	64QAM	1	0	21.58	17.33	**19.48**	34.77	-17.44
				1	24	21.49	17.24	19.39	34.77	-17.53
				12	6	20.53	16.28	18.43	34.77	-18.49
				25	0	20.43	16.18	18.33	34.77	-18.59
	23790	710	64QAM	1	0	21.47	17.22	19.37	34.77	-17.55
				1	24	21.50	17.25	19.40	34.77	-17.52
				12	6	20.46	16.21	18.36	34.77	-18.56
				25	0	20.54	16.29	18.44	34.77	-18.48
	23825	713.5	64QAM	1	0	21.56	17.31	19.46	34.77	-17.46
				1	24	21.47	17.22	19.37	34.77	-17.55
				12	6	20.52	16.27	18.42	34.77	-18.50
				25	0	20.51	16.26	18.41	34.77	-18.51

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Antenna gain (dBi)	-2.1

LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23780	709	QPSK	1	0	23.61	19.36	21.51	34.77	-15.41
				1	49	23.88	19.63	21.78	34.77	-15.14
				25	12	22.57	18.32	20.47	34.77	-16.45
				50	0	22.52	18.27	20.42	34.77	-16.50
	23790	710	QPSK	1	0	23.65	19.40	21.55	34.77	-15.37
				1	49	23.89	19.64	**21.79**	34.77	-15.13
				25	12	22.55	18.30	20.45	34.77	-16.47
				50	0	22.51	18.26	20.41	34.77	-16.51
	23800	711	QPSK	1	0	23.68	19.43	21.58	34.77	-15.34
				1	49	23.76	19.51	21.66	34.77	-15.26
				25	12	22.60	18.35	20.50	34.77	-16.42
				50	0	22.49	18.24	20.39	34.77	-16.53
10	23780	709	16QAM	1	0	22.59	18.34	**20.49**	34.77	-16.43
				1	49	22.58	18.33	20.48	34.77	-16.44
				25	12	21.42	17.17	19.32	34.77	-17.60
				50	0	21.54	17.29	19.44	34.77	-17.48
	23790	710	16QAM	1	0	22.51	18.26	20.41	34.77	-16.51
				1	49	22.57	18.32	20.47	34.77	-16.45
				25	12	21.41	17.16	19.31	34.77	-17.61
				50	0	21.44	17.19	19.34	34.77	-17.58
	23800	711	16QAM	1	0	22.43	18.18	20.33	34.77	-16.59
				1	49	22.51	18.26	20.41	34.77	-16.51
				25	12	21.58	17.33	19.48	34.77	-17.44
				50	0	21.41	17.16	19.31	34.77	-17.61
10	23780	709	64QAM	1	0	21.56	17.31	**19.46**	34.77	-17.46
				1	49	21.51	17.26	19.41	34.77	-17.51
				25	12	20.51	16.26	18.41	34.77	-18.51
				50	0	20.58	16.33	18.48	34.77	-18.44
	23790	710	64QAM	1	0	21.51	17.26	19.41	34.77	-17.51
				1	49	21.55	17.30	19.45	34.77	-17.47
				25	12	20.46	16.21	18.36	34.77	-18.56
				50	0	20.41	16.16	18.31	34.77	-18.61
	23800	711	64QAM	1	0	21.56	17.31	**19.46**	34.77	-17.46
				1	49	21.47	17.22	19.37	34.77	-17.55
				25	12	20.44	16.19	18.34	34.77	-18.58
				50	0	20.43	16.18	18.33	34.77	-18.59

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	26047	1850.7	QPSK	1	0	23.91	20.84	33	-12.16
				1	5	23.92	20.85	33	-12.15
				3	2	23.99	**20.92**	33	-12.08
				6	0	22.95	19.88	33	-13.12
	26365	1882.5	QPSK	1	0	23.83	20.76	33	-12.24
				1	5	23.94	20.87	33	-12.13
				3	2	23.98	20.91	33	-12.09
				6	0	23.00	19.93	33	-13.07
	26683	1914.3	QPSK	1	0	23.83	20.76	33	-12.24
				1	5	23.93	20.86	33	-12.14
				3	2	23.83	20.76	33	-12.24
				6	0	22.97	19.90	33	-13.1
1.4	26047	1850.7	16QAM	1	0	22.85	19.78	33	-13.22
				1	5	22.82	19.75	33	-13.25
				3	2	22.95	19.88	33	-13.12
				6	0	21.81	18.74	33	-14.26
	26365	1882.5	16QAM	1	0	22.84	19.77	33	-13.23
				1	5	22.94	19.87	33	-13.13
				3	2	22.98	**19.91**	33	-13.09
				6	0	21.88	18.81	33	-14.19
	26683	1914.3	16QAM	1	0	22.92	19.85	33	-13.15
				1	5	22.97	19.90	33	-13.1
				3	2	22.81	19.74	33	-13.26
				6	0	21.83	18.76	33	-14.24
1.4	26047	1850.7	64QAM	1	0	21.98	18.91	33	-14.09
				1	5	21.96	18.89	33	-14.11
				3	2	21.99	**18.92**	33	-14.08
				6	0	20.85	17.78	33	-15.22
	26365	1882.5	64QAM	1	0	21.99	**18.92**	33	-14.08
				1	5	21.86	18.79	33	-14.21
				3	2	21.92	18.85	33	-14.15
				6	0	20.93	17.86	33	-15.14
	26683	1914.3	64QAM	1	0	21.91	18.84	33	-14.16
				1	5	21.92	18.85	33	-14.15
				3	2	21.96	18.89	33	-14.11
				6	0	20.92	17.85	33	-15.15

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	26055	1851.5	QPSK	1	0	23.96	20.89	33	-12.11
				1	14	23.81	20.74	33	-12.26
				8	4	22.85	19.78	33	-13.22
				15	0	23.00	19.93	33	-13.07
	26365	1882.5	QPSK	1	0	23.99	**20.92**	33	-12.08
				1	14	23.97	20.90	33	-12.1
				8	4	22.99	19.92	33	-13.08
				15	0	22.97	19.90	33	-13.1
	26675	1913.5	QPSK	1	0	23.89	20.82	33	-12.18
				1	14	23.81	20.74	33	-12.26
				8	4	22.98	19.91	33	-13.09
				15	0	22.87	19.80	33	-13.2
3	26055	1851.5	16QAM	1	0	22.82	19.75	33	-13.25
				1	14	22.92	19.85	33	-13.15
				8	4	21.94	18.87	33	-14.13
				15	0	21.86	18.79	33	-14.21
	26365	1882.5	16QAM	1	0	23.00	**19.93**	33	-13.07
				1	14	22.82	19.75	33	-13.25
				8	4	21.99	18.92	33	-14.08
				15	0	22.00	18.93	33	-14.07
	26675	1913.5	16QAM	1	0	22.90	19.83	33	-13.17
				1	14	22.84	19.77	33	-13.23
				8	4	21.91	18.84	33	-14.16
				15	0	21.96	18.89	33	-14.11
3	26055	1851.5	64QAM	1	0	21.98	**18.91**	33	-14.09
				1	14	21.98	**18.91**	33	-14.09
				8	4	20.85	17.78	33	-15.22
				15	0	20.94	17.87	33	-15.13
	26365	1882.5	64QAM	1	0	21.95	18.88	33	-14.12
				1	14	21.92	18.85	33	-14.15
				8	4	20.85	17.78	33	-15.22
				15	0	20.88	17.81	33	-15.19
	26675	1913.5	64QAM	1	0	21.86	18.79	33	-14.21
				1	14	21.95	18.88	33	-14.12
				8	4	20.90	17.83	33	-15.17
				15	0	20.83	17.76	33	-15.24

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	26065	1852.5	QPSK	1	0	23.96	20.89	33	-12.11
				1	24	23.96	20.89	33	-12.11
				12	6	22.81	19.74	33	-13.26
				25	0	22.95	19.88	33	-13.12
	26365	1882.5	QPSK	1	0	23.90	20.83	33	-12.17
				1	24	23.89	20.82	33	-12.18
				12	6	22.99	19.92	33	-13.08
				25	0	22.89	19.82	33	-13.18
	26665	1912.5	QPSK	1	0	23.95	20.88	33	-12.12
				1	24	23.98	**20.91**	33	-12.09
				12	6	22.92	19.85	33	-13.15
				25	0	23.00	19.93	33	-13.07
5	26065	1852.5	16QAM	1	0	22.87	19.80	33	-13.2
				1	24	22.96	**19.89**	33	-13.11
				12	6	21.85	18.78	33	-14.22
				25	0	21.85	18.78	33	-14.22
	26365	1882.5	16QAM	1	0	22.90	19.83	33	-13.17
				1	24	22.84	19.77	33	-13.23
				12	6	21.99	18.92	33	-14.08
				25	0	21.82	18.75	33	-14.25
	26665	1912.5	16QAM	1	0	22.90	19.83	33	-13.17
				1	24	22.91	19.84	33	-13.16
				12	6	21.95	18.88	33	-14.12
				25	0	21.87	18.80	33	-14.2
5	26065	1852.5	64QAM	1	0	22.00	**18.93**	33	-14.07
				1	24	21.81	18.74	33	-14.26
				12	6	20.86	17.79	33	-15.21
				25	0	20.86	17.79	33	-15.21
	26365	1882.5	64QAM	1	0	21.83	18.76	33	-14.24
				1	24	21.88	18.81	33	-14.19
				12	6	20.84	17.77	33	-15.23
				25	0	20.87	17.80	33	-15.2
	26665	1912.5	64QAM	1	0	21.88	18.81	33	-14.19
				1	24	21.93	18.86	33	-14.14
				12	6	20.84	17.77	33	-15.23
				25	0	20.83	17.76	33	-15.24

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	26090	1855	QPSK	1	0	23.91	20.84	33	-12.16
				1	49	23.92	**20.85**	33	-12.15
				25	12	22.97	19.90	33	-13.1
				50	0	22.91	19.84	33	-13.16
	26365	1882.5	QPSK	1	0	23.88	20.81	33	-12.19
				1	49	23.82	20.75	33	-12.25
				25	12	22.88	19.81	33	-13.19
				50	0	22.86	19.79	33	-13.21
	26640	1910	QPSK	1	0	23.83	20.76	33	-12.24
				1	49	23.87	20.80	33	-12.2
				25	12	22.94	19.87	33	-13.13
				50	0	22.95	19.88	33	-13.12
10	26090	1855	16QAM	1	0	22.91	19.84	33	-13.16
				1	49	22.97	**19.90**	33	-13.1
				25	12	21.94	18.87	33	-14.13
				50	0	21.90	18.83	33	-14.17
	26365	1882.5	16QAM	1	0	22.86	19.79	33	-13.21
				1	49	22.89	19.82	33	-13.18
				25	12	21.91	18.84	33	-14.16
				50	0	21.83	18.76	33	-14.24
	26640	1910	16QAM	1	0	22.95	19.88	33	-13.12
				1	49	22.83	19.76	33	-13.24
				25	12	21.95	18.88	33	-14.12
				50	0	21.89	18.82	33	-14.18
10	26090	1855	64QAM	1	0	21.95	18.88	33	-14.12
				1	49	21.88	18.81	33	-14.19
				25	12	20.85	17.78	33	-15.22
				50	0	20.95	17.88	33	-15.12
	26365	1882.5	64QAM	1	0	21.88	18.81	33	-14.19
				1	49	21.81	18.74	33	-14.26
				25	12	20.95	17.88	33	-15.12
				50	0	20.93	17.86	33	-15.14
	26640	1910	64QAM	1	0	21.89	18.82	33	-14.18
				1	49	22.00	**18.93**	33	-14.07
				25	12	20.96	17.89	33	-15.11
				50	0	20.94	17.87	33	-15.13

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	26115	1857.5	QPSK	1	0	23.94	20.87	33	-12.13
				1	74	23.92	20.85	33	-12.15
				36	18	22.92	19.85	33	-13.15
				75	0	22.94	19.87	33	-13.13
	26365	1882.5	QPSK	1	0	23.87	20.80	33	-12.2
				1	74	23.95	**20.88**	33	-12.12
				36	18	22.99	19.92	33	-13.08
				75	0	22.93	19.86	33	-13.14
	26615	1907.5	QPSK	1	0	23.90	20.83	33	-12.17
				1	74	23.85	20.78	33	-12.22
				36	18	22.96	19.89	33	-13.11
				75	0	22.94	19.87	33	-13.13
15	26115	1857.5	16QAM	1	0	22.96	19.89	33	-13.11
				1	74	22.82	19.75	33	-13.25
				36	18	21.89	18.82	33	-14.18
				75	0	21.86	18.79	33	-14.21
	26365	1882.5	16QAM	1	0	22.98	**19.91**	33	-13.09
				1	74	22.87	19.80	33	-13.2
				36	18	21.88	18.81	33	-14.19
				75	0	21.82	18.75	33	-14.25
	26615	1907.5	16QAM	1	0	22.91	19.84	33	-13.16
				1	74	22.95	19.88	33	-13.12
				36	18	21.96	18.89	33	-14.11
				75	0	21.85	18.78	33	-14.22
15	26115	1857.5	64QAM	1	0	21.93	18.86	33	-14.14
				1	74	21.82	18.75	33	-14.25
				36	18	20.81	17.74	33	-15.26
				75	0	20.85	17.78	33	-15.22
	26365	1882.5	64QAM	1	0	21.94	18.87	33	-14.13
				1	74	21.91	18.84	33	-14.16
				36	18	20.86	17.79	33	-15.21
				75	0	20.92	17.85	33	-15.15
	26615	1907.5	64QAM	1	0	21.96	18.89	33	-14.11
				1	74	21.98	**18.91**	33	-14.09
				36	18	20.95	17.88	33	-15.12
				75	0	20.91	17.84	33	-15.16

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Antenna gain (dBi)	-3.07

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	26140	1860	QPSK	1	0	24.06	20.99	33	-12.01
				1	99	24.01	20.94	33	-12.06
				50	25	22.82	19.75	33	-13.25
				100	0	22.89	19.82	33	-13.18
	26365	1882.5	QPSK	1	0	24.12	**21.05**	33	-11.95
				1	99	24.04	20.97	33	-12.03
				50	25	22.96	19.89	33	-13.11
				100	0	22.92	19.85	33	-13.15
	26590	1905	QPSK	1	0	24.02	20.95	33	-12.05
				1	99	24.05	20.98	33	-12.02
				50	25	22.84	19.77	33	-13.23
				100	0	22.87	19.80	33	-13.2
20	26140	1860	16QAM	1	0	22.95	**19.88**	33	-13.12
				1	99	22.92	19.85	33	-13.15
				50	25	21.86	18.79	33	-14.21
				100	0	21.87	18.80	33	-14.2
	26365	1882.5	16QAM	1	0	22.90	19.83	33	-13.17
				1	99	22.87	19.80	33	-13.2
				50	25	21.85	18.78	33	-14.22
				100	0	21.87	18.80	33	-14.2
	26590	1905	16QAM	1	0	22.82	19.75	33	-13.25
				1	99	22.93	19.86	33	-13.14
				50	25	21.91	18.84	33	-14.16
				100	0	21.94	18.87	33	-14.13
20	26140	1860	64QAM	1	0	21.93	18.86	33	-14.14
				1	99	21.98	18.91	33	-14.09
				50	25	20.89	17.82	33	-15.18
				100	0	20.93	17.86	33	-15.14
	26365	1882.5	64QAM	1	0	21.99	**18.92**	33	-14.08
				1	99	21.84	18.77	33	-14.23
				50	25	20.87	17.80	33	-15.2
				100	0	20.90	17.83	33	-15.17
	26590	1905	64QAM	1	0	21.95	18.88	33	-14.12
				1	99	21.98	18.91	33	-14.09
				50	25	20.84	17.77	33	-15.23
				100	0	20.94	17.87	33	-15.13

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Antenna gain (dBi)	-3.86

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	23.76	17.75	19.90	38.45	-20.70
				1	5	23.83	17.82	19.97	38.45	-20.63
				3	2	23.91	17.90	**20.05**	38.45	-20.55
				6	0	23.02	17.01	19.16	38.45	-21.44
	26915	836.5	QPSK	1	0	23.74	17.73	19.88	38.45	-20.72
				1	5	23.88	17.87	20.02	38.45	-20.58
				3	2	23.81	17.80	19.95	38.45	-20.65
				6	0	23.42	17.41	19.56	38.45	-21.04
	27033	848.3	QPSK	1	0	23.51	17.50	19.65	38.45	-20.95
				1	5	23.34	17.33	19.48	38.45	-21.12
				3	2	23.36	17.35	19.50	38.45	-21.10
				6	0	22.93	16.92	19.07	38.45	-21.53
1.4	26797	824.7	16QAM	1	0	23.34	17.33	19.48	38.45	-21.12
				1	5	23.55	17.54	19.69	38.45	-20.91
				3	2	23.27	17.26	19.41	38.45	-21.19
				6	0	22.06	16.05	18.20	38.45	-22.40
	26915	836.5	16QAM	1	0	22.97	16.96	19.11	38.45	-21.49
				1	5	22.72	16.71	18.86	38.45	-21.74
				3	2	23.13	17.12	19.27	38.45	-21.33
				6	0	22.08	16.07	18.22	38.45	-22.38
	27033	848.3	16QAM	1	0	23.71	17.70	**19.85**	38.45	-20.75
				1	5	22.88	16.87	19.02	38.45	-21.58
				3	2	22.81	16.80	18.95	38.45	-21.65
				6	0	22.12	16.11	18.26	38.45	-22.34
1.4	26797	824.7	64QAM	1	0	21.89	15.88	18.03	38.45	-22.57
				1	5	21.86	15.85	18.00	38.45	-22.60
				3	2	21.30	15.29	17.44	38.45	-23.16
				6	0	20.71	14.70	16.85	38.45	-23.75
	26915	836.5	64QAM	1	0	22.06	16.05	18.20	38.45	-22.40
				1	5	21.57	15.56	17.71	38.45	-22.89
				3	2	21.36	15.35	17.50	38.45	-23.10
				6	0	20.41	14.40	16.55	38.45	-24.05
	27033	848.3	64QAM	1	0	22.03	16.02	18.17	38.45	-22.43
				1	5	22.24	16.23	**18.38**	38.45	-22.22
				3	2	20.93	14.92	17.07	38.45	-23.53
				6	0	20.50	14.49	16.64	38.45	-23.96

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Antenna gain (dBi)	-3.86

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	23.62	17.61	19.76	38.45	-20.84
				1	14	23.92	17.91	**20.06**	38.45	-20.54
				8	4	23.27	17.26	19.41	38.45	-21.19
				15	0	23.31	17.30	19.45	38.45	-21.15
	26915	836.5	QPSK	1	0	23.83	17.82	19.97	38.45	-20.63
				1	14	23.48	17.47	19.62	38.45	-20.98
				8	4	22.67	16.66	18.81	38.45	-21.79
				15	0	23.35	17.34	19.49	38.45	-21.11
	27025	847.5	QPSK	1	0	23.53	17.52	19.67	38.45	-20.93
				1	14	23.49	17.48	19.63	38.45	-20.97
				8	4	23.21	17.20	19.35	38.45	-21.25
				15	0	23.25	17.24	19.39	38.45	-21.21
3	26805	825.5	16QAM	1	0	22.75	16.74	18.89	38.45	-21.71
				1	14	23.54	17.53	19.68	38.45	-20.92
				8	4	22.47	16.46	18.61	38.45	-21.99
				15	0	22.30	16.29	18.44	38.45	-22.16
	26915	836.5	16QAM	1	0	22.57	16.56	18.71	38.45	-21.89
				1	14	23.24	17.23	19.38	38.45	-21.22
				8	4	21.79	15.78	17.93	38.45	-22.67
				15	0	22.08	16.07	18.22	38.45	-22.38
	27025	847.5	16QAM	1	0	23.60	17.59	**19.74**	38.45	-20.86
				1	14	22.56	16.55	18.70	38.45	-21.90
				8	4	22.06	16.05	18.20	38.45	-22.40
				15	0	21.87	15.86	18.01	38.45	-22.59
3	26805	825.5	64QAM	1	0	21.78	15.77	17.92	38.45	-22.68
				1	14	21.71	15.70	17.85	38.45	-22.75
				8	4	21.04	15.03	17.18	38.45	-23.42
				15	0	20.87	14.86	17.01	38.45	-23.59
	26915	836.5	64QAM	1	0	21.88	15.87	18.02	38.45	-22.58
				1	14	21.89	15.88	18.03	38.45	-22.57
				8	4	20.59	14.58	16.73	38.45	-23.87
				15	0	20.64	14.63	16.78	38.45	-23.82
	27025	847.5	64QAM	1	0	21.83	15.82	17.97	38.45	-22.63
				1	14	22.39	16.38	**18.53**	38.45	-22.07
				8	4	21.01	15.00	17.15	38.45	-23.45
				15	0	20.62	14.61	16.76	38.45	-23.84

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Antenna gain (dBi)	-3.86

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	23.60	17.59	19.74	38.45	-20.86
				1	24	23.79	17.78	19.93	38.45	-20.67
				12	6	22.70	16.69	18.84	38.45	-21.76
				25	0	23.06	17.05	19.20	38.45	-21.40
	26915	836.5	QPSK	1	0	23.85	17.84	**19.99**	38.45	-20.61
				1	24	23.54	17.53	19.68	38.45	-20.92
				12	6	22.88	16.87	19.02	38.45	-21.58
				25	0	23.01	17.00	19.15	38.45	-21.45
	27015	846.5	QPSK	1	0	23.46	17.45	19.60	38.45	-21.00
				1	24	23.67	17.66	19.81	38.45	-20.79
				12	6	23.09	17.08	19.23	38.45	-21.37
				25	0	22.40	16.39	18.54	38.45	-22.06
5	26815	826.5	16QAM	1	0	22.76	16.75	18.90	38.45	-21.70
				1	24	22.77	16.76	18.91	38.45	-21.69
				12	6	22.49	16.48	18.63	38.45	-21.97
				25	0	22.25	16.24	18.39	38.45	-22.21
	26915	836.5	16QAM	1	0	23.28	17.27	**19.42**	38.45	-21.18
				1	24	22.79	16.78	18.93	38.45	-21.67
				12	6	21.62	15.61	17.76	38.45	-22.84
				25	0	21.67	15.66	17.81	38.45	-22.79
	27015	846.5	16QAM	1	0	23.11	17.10	19.25	38.45	-21.35
				1	24	23.04	17.03	19.18	38.45	-21.42
				12	6	22.02	16.01	18.16	38.45	-22.44
				25	0	21.61	15.60	17.75	38.45	-22.85
5	26815	826.5	64QAM	1	0	22.09	16.08	18.23	38.45	-22.37
				1	24	21.78	15.77	17.92	38.45	-22.68
				12	6	21.45	15.44	17.59	38.45	-23.01
				25	0	20.94	14.93	17.08	38.45	-23.52
	26915	836.5	64QAM	1	0	22.16	16.15	18.30	38.45	-22.30
				1	24	22.06	16.05	18.20	38.45	-22.40
				12	6	21.23	15.22	17.37	38.45	-23.23
				25	0	20.70	14.69	16.84	38.45	-23.76
	27015	846.5	64QAM	1	0	22.26	16.25	**18.40**	38.45	-22.20
				1	24	22.02	16.01	18.16	38.45	-22.44
				12	6	20.59	14.58	16.73	38.45	-23.87
				25	0	21.29	15.28	17.43	38.45	-23.17

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Antenna gain (dBi)	-3.86

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	23.83	17.82	19.97	38.45	-20.63
				1	49	23.90	17.89	20.04	38.45	-20.56
				25	12	22.94	16.93	19.08	38.45	-21.52
				50	0	23.19	17.18	19.33	38.45	-21.27
	26915	836.5	QPSK	1	0	23.98	17.97	**20.12**	38.45	-20.48
				1	49	23.68	17.67	19.82	38.45	-20.78
				25	12	22.92	16.91	19.06	38.45	-21.54
				50	0	22.50	16.49	18.64	38.45	-21.96
	26990	844	QPSK	1	0	23.86	17.85	20.00	38.45	-20.60
				1	49	23.59	17.58	19.73	38.45	-20.87
				25	12	23.04	17.03	19.18	38.45	-21.42
				50	0	23.24	17.23	19.38	38.45	-21.22
10	26840	829	16QAM	1	0	23.00	16.99	19.14	38.45	-21.46
				1	49	23.20	17.19	19.34	38.45	-21.26
				25	12	22.34	16.33	18.48	38.45	-22.12
				50	0	21.93	15.92	18.07	38.45	-22.53
	26915	836.5	16QAM	1	0	22.74	16.73	18.88	38.45	-21.72
				1	49	23.08	17.07	19.22	38.45	-21.38
				25	12	22.20	16.19	18.34	38.45	-22.26
				50	0	22.37	16.36	18.51	38.45	-22.09
	26990	844	16QAM	1	0	23.44	17.43	**19.58**	38.45	-21.02
				1	49	23.37	17.36	19.51	38.45	-21.09
				25	12	22.39	16.38	18.53	38.45	-22.07
				50	0	22.45	16.44	18.59	38.45	-22.01
10	26840	829	64QAM	1	0	22.40	16.39	**18.54**	38.45	-22.06
				1	49	21.65	15.64	17.79	38.45	-22.81
				25	12	20.89	14.88	17.03	38.45	-23.57
				50	0	20.81	14.80	16.95	38.45	-23.65
	26915	836.5	64QAM	1	0	21.99	15.98	18.13	38.45	-22.47
				1	49	22.27	16.26	18.41	38.45	-22.19
				25	12	21.02	15.01	17.16	38.45	-23.44
				50	0	20.52	14.51	16.66	38.45	-23.94
	26990	844	64QAM	1	0	22.16	16.15	18.30	38.45	-22.30
				1	49	21.62	15.61	17.76	38.45	-22.84
				25	12	20.58	14.57	16.72	38.45	-23.88
				50	0	21.28	15.27	17.42	38.45	-23.18

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Antenna gain (dBi)	-3.86

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	26865	831.5	QPSK	1	0	23.81	17.80	19.95	38.45	-20.65
				1	74	23.73	17.72	19.87	38.45	-20.73
				36	18	23.47	17.46	19.61	38.45	-20.99
				75	0	23.55	17.54	19.69	38.45	-20.91
	26915	836.5	QPSK	1	0	23.94	17.93	20.08	38.45	-20.52
				1	74	24.14	18.13	**20.28**	38.45	-20.32
				36	18	22.66	16.65	18.80	38.45	-21.80
				75	0	22.69	16.68	18.83	38.45	-21.77
	26965	841.5	QPSK	1	0	23.80	17.79	19.94	38.45	-20.66
				1	74	23.45	17.44	19.59	38.45	-21.01
				36	18	22.52	16.51	18.66	38.45	-21.94
				75	0	22.58	16.57	18.72	38.45	-21.88
15	26865	831.5	16QAM	1	0	22.68	16.67	18.82	38.45	-21.78
				1	74	23.50	17.49	19.64	38.45	-20.96
				36	18	22.50	16.49	18.64	38.45	-21.96
				75	0	22.42	16.41	18.56	38.45	-22.04
	26915	836.5	16QAM	1	0	23.55	17.54	**19.69**	38.45	-20.91
				1	74	22.84	16.83	18.98	38.45	-21.62
				36	18	22.50	16.49	18.64	38.45	-21.96
				75	0	22.06	16.05	18.20	38.45	-22.40
	26965	841.5	16QAM	1	0	22.89	16.88	19.03	38.45	-21.57
				1	74	23.29	17.28	19.43	38.45	-21.17
				36	18	22.21	16.20	18.35	38.45	-22.25
				75	0	22.06	16.05	18.20	38.45	-22.40
15	26865	831.5	64QAM	1	0	22.13	16.12	18.27	38.45	-22.33
				1	74	21.84	15.83	17.98	38.45	-22.62
				36	18	20.59	14.58	16.73	38.45	-23.87
				75	0	21.27	15.26	17.41	38.45	-23.19
	26915	836.5	64QAM	1	0	22.42	16.41	**18.56**	38.45	-22.04
				1	74	22.39	16.38	18.53	38.45	-22.07
				36	18	21.18	15.17	17.32	38.45	-23.28
				75	0	20.68	14.67	16.82	38.45	-23.78
	26965	841.5	64QAM	1	0	22.24	16.23	18.38	38.45	-22.22
				1	74	21.70	15.69	17.84	38.45	-22.76
				36	18	20.79	14.78	16.93	38.45	-23.67
				75	0	21.27	15.26	17.41	38.45	-23.19

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Antenna gain (dBi)	-4.04

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	23.75	17.56	19.71	50	-32.44
				1	5	23.68	17.49	19.64	50	-32.51
				3	2	23.91	17.72	19.87	50	-32.28
				6	0	22.96	16.77	18.92	50	-33.23
	26740	819	QPSK	1	0	23.91	17.72	19.87	50	-32.28
				1	5	23.51	17.32	19.47	50	-32.68
				3	2	23.76	17.57	19.72	50	-32.43
				6	0	22.83	16.64	18.79	50	-33.36
	26783	823.3	QPSK	1	0	23.83	17.64	19.79	50	-32.36
				1	5	23.61	17.42	19.57	50	-32.58
				3	2	23.93	17.74	**19.89**	50	-32.26
				6	0	22.95	16.76	18.91	50	-33.24
1.4	26697	814.7	16QAM	1	0	23.09	16.90	19.05	50	-33.10
				1	5	23.24	17.05	19.20	50	-32.95
				3	2	23.56	17.37	**19.52**	50	-32.63
				6	0	22.06	15.87	18.02	50	-34.13
	26740	819	16QAM	1	0	23.17	16.98	19.13	50	-33.02
				1	5	23.21	17.02	19.17	50	-32.98
				3	2	22.94	16.75	18.90	50	-33.25
				6	0	22.06	15.87	18.02	50	-34.13
	26783	823.3	16QAM	1	0	23.34	17.15	19.30	50	-32.85
				1	5	23.38	17.19	19.34	50	-32.81
				3	2	22.88	16.69	18.84	50	-33.31
				6	0	21.65	15.46	17.61	50	-34.54
1.4	26697	814.7	64QAM	1	0	22.07	15.88	18.03	50	-34.12
				1	5	22.06	15.87	18.02	50	-34.13
				3	2	21.37	15.18	17.33	50	-34.82
				6	0	21.11	14.92	17.07	50	-35.08
	26740	819	64QAM	1	0	21.33	15.14	17.29	50	-34.86
				1	5	22.42	16.23	**18.38**	50	-33.77
				3	2	20.53	14.34	16.49	50	-35.66
				6	0	20.45	14.26	16.41	50	-35.74
	26783	823.3	64QAM	1	0	21.68	15.49	17.64	50	-34.51
				1	5	22.08	15.89	18.04	50	-34.11
				3	2	20.68	14.49	16.64	50	-35.51
				6	0	21.29	15.10	17.25	50	-34.90

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Antenna gain (dBi)	-4.04

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	23.58	17.39	19.54	50	-32.61
				1	14	23.90	17.71	19.86	50	-32.29
				8	4	22.87	16.68	18.83	50	-33.32
				15	0	22.57	16.38	18.53	50	-33.62
	26740	819	QPSK	1	0	23.53	17.34	19.49	50	-32.66
				1	14	23.63	17.44	19.59	50	-32.56
				8	4	23.17	16.98	19.13	50	-33.02
				15	0	23.38	17.19	19.34	50	-32.81
	26775	822.5	QPSK	1	0	23.53	17.34	19.49	50	-32.66
				1	14	23.99	17.80	**19.95**	50	-32.20
				8	4	23.03	16.84	18.99	50	-33.16
				15	0	22.93	16.74	18.89	50	-33.26
3	26705	815.5	16QAM	1	0	22.86	16.67	18.82	50	-33.33
				1	14	23.57	17.38	**19.53**	50	-32.62
				8	4	21.84	15.65	17.80	50	-34.35
				15	0	22.41	16.22	18.37	50	-33.78
	26740	819	16QAM	1	0	22.75	16.56	18.71	50	-33.44
				1	14	23.28	17.09	19.24	50	-32.91
				8	4	22.11	15.92	18.07	50	-34.08
				15	0	21.73	15.54	17.69	50	-34.46
	26775	822.5	16QAM	1	0	23.31	17.12	19.27	50	-32.88
				1	14	22.74	16.55	18.70	50	-33.45
				8	4	22.08	15.89	18.04	50	-34.11
				15	0	21.99	15.80	17.95	50	-34.20
3	26705	815.5	64QAM	1	0	21.81	15.62	17.77	50	-34.38
				1	14	22.33	16.14	**18.29**	50	-33.86
				8	4	21.21	15.02	17.17	50	-34.98
				15	0	20.83	14.64	16.79	50	-35.36
	26740	819	64QAM	1	0	21.41	15.22	17.37	50	-34.78
				1	14	21.35	15.16	17.31	50	-34.84
				8	4	20.92	14.73	16.88	50	-35.27
				15	0	21.28	15.09	17.24	50	-34.91
	26775	822.5	64QAM	1	0	21.62	15.43	17.58	50	-34.57
				1	14	22.07	15.88	18.03	50	-34.12
				8	4	20.60	14.41	16.56	50	-35.59
				15	0	20.77	14.58	16.73	50	-35.42

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Antenna gain (dBi)	-4.04

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	23.60	17.41	19.56	50	-32.59
				1	24	23.83	17.64	19.79	50	-32.36
				12	6	23.11	16.92	19.07	50	-33.08
				25	0	23.17	16.98	19.13	50	-33.02
	26740	819	QPSK	1	0	23.99	17.80	**19.95**	50	-32.20
				1	24	23.86	17.67	19.82	50	-32.33
				12	6	23.09	16.90	19.05	50	-33.10
				25	0	23.21	17.02	19.17	50	-32.98
	26765	821.5	QPSK	1	0	23.78	17.59	19.74	50	-32.41
				1	24	23.71	17.52	19.67	50	-32.48
				12	6	23.18	16.99	19.14	50	-33.01
				25	0	22.46	16.27	18.42	50	-33.73
5	26715	816.5	16QAM	1	0	23.77	17.58	**19.73**	50	-32.42
				1	24	22.89	16.70	18.85	50	-33.30
				12	6	22.51	16.32	18.47	50	-33.68
				25	0	22.38	16.19	18.34	50	-33.81
	26740	819	16QAM	1	0	23.24	17.05	19.20	50	-32.95
				1	24	23.40	17.21	19.36	50	-32.79
				12	6	21.82	15.63	17.78	50	-34.37
				25	0	22.62	16.43	18.58	50	-33.57
	26765	821.5	16QAM	1	0	22.98	16.79	18.94	50	-33.21
				1	24	23.35	17.16	19.31	50	-32.84
				12	6	22.23	16.04	18.19	50	-33.96
				25	0	21.92	15.73	17.88	50	-34.27
5	26715	816.5	64QAM	1	0	22.52	16.33	**18.48**	50	-33.67
				1	24	21.85	15.66	17.81	50	-34.34
				12	6	21.18	14.99	17.14	50	-35.01
				25	0	20.59	14.40	16.55	50	-35.60
	26740	819	64QAM	1	0	21.55	15.36	17.51	50	-34.64
				1	24	21.55	15.36	17.51	50	-34.64
				12	6	20.89	14.70	16.85	50	-35.30
				25	0	20.51	14.32	16.47	50	-35.68
	26765	821.5	64QAM	1	0	21.99	15.80	17.95	50	-34.20
				1	24	22.04	15.85	18.00	50	-34.15
				12	6	21.05	14.86	17.01	50	-35.14
				25	0	21.25	15.06	17.21	50	-34.94

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Antenna gain (dBi)	-4.04

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	23.47	17.28	19.43	50	-32.72
				1	49	24.04	17.85	**20.00**	50	-32.15
				25	12	22.89	16.70	18.85	50	-33.30
				50	0	22.70	16.51	18.66	50	-33.49
10	26740	819	16QAM	1	0	22.89	16.70	18.85	50	-33.30
				1	49	22.94	16.75	**18.90**	50	-33.25
				25	12	22.63	16.44	18.59	50	-33.56
				50	0	22.52	16.33	18.48	50	-33.67
10	26740	819	64QAM	1	0	21.79	15.60	17.75	50	-34.40
				1	49	22.30	16.11	**18.26**	50	-33.89
				25	12	20.50	14.31	16.46	50	-35.69
				50	0	21.32	15.13	17.28	50	-34.87

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Antenna gain (dBi)	-3.9

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
5	27685	2307.5	QPSK	1	0	22.71	18.81	24	-5.19
				1	24	22.73	**18.83**	24	-5.17
				12	6	21.59	17.69	24	-6.31
				25	0	21.67	17.77	24	-6.23
	27710	2310	QPSK	1	0	22.60	18.70	24	-5.3
				1	24	22.53	18.63	24	-5.37
				12	6	21.55	17.65	24	-6.35
				25	0	21.58	17.68	24	-6.32
	27735	2312.5	QPSK	1	0	22.62	18.72	24	-5.28
				1	24	22.70	18.80	24	-5.2
				12	6	21.61	17.71	24	-6.29
				25	0	21.73	17.83	24	-6.17
5	27685	2307.5	16QAM	1	0	21.73	**17.83**	24	-6.17
				1	24	21.64	17.74	24	-6.26
				12	6	20.68	16.78	24	-7.22
				25	0	20.69	16.79	24	-7.21
	27710	2310	16QAM	1	0	21.52	17.62	24	-6.38
				1	24	21.61	17.71	24	-6.29
				12	6	20.63	16.73	24	-7.27
				25	0	20.66	16.76	24	-7.24
	27735	2312.5	16QAM	1	0	21.65	17.75	24	-6.25
				1	24	21.73	**17.83**	24	-6.17
				12	6	20.65	16.75	24	-7.25
				25	0	20.63	16.73	24	-7.27
5	27685	2307.5	64QAM	1	0	20.66	16.76	24	-7.24
				1	24	20.66	16.76	24	-7.24
				12	6	19.74	15.84	24	-8.16
				25	0	19.66	15.76	24	-8.24
	27710	2310	64QAM	1	0	20.67	16.77	24	-7.23
				1	24	20.60	16.70	24	-7.3
				12	6	19.62	15.72	24	-8.28
				25	0	19.54	15.64	24	-8.36
	27735	2312.5	64QAM	1	0	20.73	**16.83**	24	-7.17
				1	24	20.71	16.81	24	-7.19
				12	6	19.67	15.77	24	-8.23
				25	0	19.75	15.85	24	-8.15

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Antenna gain (dBi)	-3.9

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
10	27710	2310	QPSK	1	0	22.81	**18.91**	24	-5.09
				1	49	22.76	18.86	24	-5.14
				25	12	21.61	17.71	24	-6.29
				50	0	21.56	17.66	24	-6.34
10	27710	2310	16QAM	1	0	21.58	17.68	24	-6.32
				1	49	21.67	**17.77**	24	-6.23
				25	12	20.70	16.80	24	-7.2
				50	0	20.57	16.67	24	-7.33
10	27710	2310	64QAM	1	0	20.55	16.65	24	-7.35
				1	49	20.63	**16.73**	24	-7.27
				25	12	19.56	15.66	24	-8.34
				50	0	19.54	15.64	24	-8.36

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Antenna gain (dBi)	-3.04

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	37775	2572.5	QPSK	1	0	23.25	20.21	33	-12.79
				1	24	23.26	20.22	33	-12.78
				12	6	22.25	19.21	33	-13.79
				25	0	22.33	19.29	33	-13.71
	38000	2595	QPSK	1	0	23.24	20.20	33	-12.8
				1	24	23.35	20.31	33	-12.69
				12	6	22.37	19.33	33	-13.67
				25	0	22.22	19.18	33	-13.82
	38225	2617.5	QPSK	1	0	23.31	20.27	33	-12.73
				1	24	23.37	**20.33**	33	-12.67
				12	6	22.21	19.17	33	-13.83
				25	0	22.31	19.27	33	-13.73
5	37775	2572.5	16QAM	1	0	22.24	19.20	33	-13.8
				1	24	22.22	19.18	33	-13.82
				12	6	21.40	18.36	33	-14.64
				25	0	21.31	18.27	33	-14.73
	38000	2595	16QAM	1	0	22.34	**19.30**	33	-13.7
				1	24	22.28	19.24	33	-13.76
				12	6	21.28	18.24	33	-14.76
				25	0	21.36	18.32	33	-14.68
	38225	2617.5	16QAM	1	0	22.31	19.27	33	-13.73
				1	24	22.29	19.25	33	-13.75
				12	6	21.26	18.22	33	-14.78
				25	0	21.38	18.34	33	-14.66
5	37775	2572.5	64QAM	1	0	21.37	**18.33**	33	-14.67
				1	24	21.36	18.32	33	-14.68
				12	6	20.27	17.23	33	-15.77
				25	0	20.32	17.28	33	-15.72
	38000	2595	64QAM	1	0	21.34	18.30	33	-14.7
				1	24	21.25	18.21	33	-14.79
				12	6	20.25	17.21	33	-15.79
				25	0	20.40	17.36	33	-15.64
	38225	2617.5	64QAM	1	0	21.23	18.19	33	-14.81
				1	24	21.21	18.17	33	-14.83
				12	6	20.32	17.28	33	-15.72
				25	0	20.37	17.33	33	-15.67

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Antenna gain (dBi)	-3.04

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	37800	2575	QPSK	1	0	23.31	20.27	33	-12.73
				1	49	23.39	**20.35**	33	-12.65
				25	12	22.27	19.23	33	-13.77
				50	0	22.40	19.36	33	-13.64
	38000	2595	QPSK	1	0	23.24	20.20	33	-12.8
				1	49	23.33	20.29	33	-12.71
				25	12	22.32	19.28	33	-13.72
				50	0	22.30	19.26	33	-13.74
	38200	2615	QPSK	1	0	23.28	20.24	33	-12.76
				1	49	23.36	20.32	33	-12.68
				25	12	22.34	19.30	33	-13.7
				50	0	22.34	19.30	33	-13.7
10	37800	2575	16QAM	1	0	22.28	19.24	33	-13.76
				1	49	22.30	19.26	33	-13.74
				25	12	21.37	18.33	33	-14.67
				50	0	21.30	18.26	33	-14.74
	38000	2595	16QAM	1	0	22.33	19.29	33	-13.71
				1	49	22.24	19.20	33	-13.8
				25	12	21.39	18.35	33	-14.65
				50	0	21.27	18.23	33	-14.77
	38200	2615	16QAM	1	0	22.35	**19.31**	33	-13.69
				1	49	22.35	**19.31**	33	-13.69
				25	12	21.37	18.33	33	-14.67
				50	0	21.33	18.29	33	-14.71
10	37800	2575	64QAM	1	0	21.31	18.27	33	-14.73
				1	49	21.36	**18.32**	33	-14.68
				25	12	20.21	17.17	33	-15.83
				50	0	20.34	17.30	33	-15.7
	38000	2595	64QAM	1	0	21.25	18.21	33	-14.79
				1	49	21.29	18.25	33	-14.75
				25	12	20.36	17.32	33	-15.68
				50	0	20.32	17.28	33	-15.72
	38200	2615	64QAM	1	0	21.28	18.24	33	-14.76
				1	49	21.24	18.20	33	-14.8
				25	12	20.27	17.23	33	-15.77
				50	0	20.38	17.34	33	-15.66

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Antenna gain (dBi)	-3.04

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	37825	2577.5	QPSK	1	0	23.32	20.28	33	-12.72
				1	74	23.30	20.26	33	-12.74
				36	19	22.39	19.35	33	-13.65
				75	0	22.30	19.26	33	-13.74
	38000	2595	QPSK	1	0	23.38	**20.34**	33	-12.66
				1	74	23.24	20.20	33	-12.8
				36	19	22.30	19.26	33	-13.74
				75	0	22.36	19.32	33	-13.68
	38175	2612.5	QPSK	1	0	23.23	20.19	33	-12.81
				1	74	23.37	20.33	33	-12.67
				36	19	22.22	19.18	33	-13.82
				75	0	22.24	19.20	33	-13.8
15	37825	2577.5	16QAM	1	0	22.38	**19.34**	33	-13.66
				1	74	22.24	19.20	33	-13.8
				36	19	21.33	18.29	33	-14.71
				75	0	21.23	18.19	33	-14.81
	38000	2595	16QAM	1	0	22.36	19.32	33	-13.68
				1	74	22.26	19.22	33	-13.78
				36	19	21.22	18.18	33	-14.82
				75	0	21.37	18.33	33	-14.67
	38175	2612.5	16QAM	1	0	22.26	19.22	33	-13.78
				1	74	22.36	19.32	33	-13.68
				36	19	21.34	18.30	33	-14.7
				75	0	21.24	18.20	33	-14.8
15	37825	2577.5	64QAM	1	0	21.37	18.33	33	-14.67
				1	74	21.23	18.19	33	-14.81
				36	19	20.40	17.36	33	-15.64
				75	0	20.29	17.25	33	-15.75
	38000	2595	64QAM	1	0	21.39	**18.35**	33	-14.65
				1	74	21.24	18.20	33	-14.8
				36	19	20.39	17.35	33	-15.65
				75	0	20.23	17.19	33	-15.81
	38175	2612.5	64QAM	1	0	21.35	18.31	33	-14.69
				1	74	21.38	18.34	33	-14.66
				36	19	20.26	17.22	33	-15.78
				75	0	20.31	17.27	33	-15.73

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Antenna gain (dBi)	-3.04

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	37850	2580	QPSK	1	0	23.58	20.54	33	-12.46
				1	99	23.68	**20.64**	33	-12.36
				50	25	22.20	19.16	33	-13.84
				100	0	22.26	19.22	33	-13.78
	38000	2595	QPSK	1	0	23.53	20.49	33	-12.51
				1	99	23.57	20.53	33	-12.47
				50	25	22.24	19.20	33	-13.8
				100	0	22.21	19.17	33	-13.83
	38150	2610	QPSK	1	0	23.50	20.46	33	-12.54
				1	99	23.52	20.48	33	-12.52
				50	25	22.37	19.33	33	-13.67
				100	0	22.33	19.29	33	-13.71
20	37850	2580	16QAM	1	0	22.27	19.23	33	-13.77
				1	99	22.33	19.29	33	-13.71
				50	25	21.40	18.36	33	-14.64
				100	0	21.25	18.21	33	-14.79
	38000	2595	16QAM	1	0	22.23	19.19	33	-13.81
				1	99	22.40	**19.36**	33	-13.64
				50	25	21.21	18.17	33	-14.83
				100	0	21.26	18.22	33	-14.78
	38150	2610	16QAM	1	0	22.35	19.31	33	-13.69
				1	99	22.28	19.24	33	-13.76
				50	25	21.28	18.24	33	-14.76
				100	0	21.35	18.31	33	-14.69
20	37850	2580	64QAM	1	0	21.24	18.20	33	-14.8
				1	99	21.32	18.28	33	-14.72
				50	25	20.31	17.27	33	-15.73
				100	0	20.31	17.27	33	-15.73
	38000	2595	64QAM	1	0	21.29	18.25	33	-14.75
				1	99	21.37	**18.33**	33	-14.67
				50	25	20.29	17.25	33	-15.75
				100	0	20.40	17.36	33	-15.64
	38150	2610	64QAM	1	0	21.36	18.32	33	-14.68
				1	99	21.27	18.23	33	-14.77
				50	25	20.22	17.18	33	-15.82
				100	0	20.31	17.27	33	-15.73

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	39675	2498.5	QPSK	1	0	23.29	20.32	33	-12.68
				1	24	23.33	20.36	33	-12.64
				12	6	22.29	19.32	33	-13.68
				25	0	22.34	19.37	33	-13.63
	40620	2593	QPSK	1	0	23.26	20.29	33	-12.71
				1	24	23.39	**20.42**	33	-12.58
				12	6	22.28	19.31	33	-13.69
				25	0	22.31	19.34	33	-13.66
	41565	2687.5	QPSK	1	0	23.29	20.32	33	-12.68
				1	24	23.26	20.29	33	-12.71
				12	6	22.26	19.29	33	-13.71
				25	0	22.37	19.40	33	-13.6
5	39675	2498.5	16QAM	1	0	22.32	19.35	33	-13.65
				1	24	22.24	19.27	33	-13.73
				12	6	21.22	18.25	33	-14.75
				25	0	21.26	18.29	33	-14.71
	40620	2593	16QAM	1	0	22.38	**19.41**	33	-13.59
				1	24	22.31	19.34	33	-13.66
				12	6	21.39	18.42	33	-14.58
				25	0	21.39	18.42	33	-14.58
	41565	2687.5	16QAM	1	0	22.28	19.31	33	-13.69
				1	24	22.21	19.24	33	-13.76
				12	6	21.27	18.30	33	-14.7
				25	0	21.32	18.35	33	-14.65
5	39675	2498.5	64QAM	1	0	21.36	18.39	33	-14.61
				1	24	21.39	**18.42**	33	-14.58
				12	6	20.25	17.28	33	-15.72
				25	0	20.37	17.40	33	-15.6
	40620	2593	64QAM	1	0	21.34	18.37	33	-14.63
				1	24	21.39	**18.42**	33	-14.58
				12	6	20.22	17.25	33	-15.75
				25	0	20.40	17.43	33	-15.57
	41565	2687.5	64QAM	1	0	21.25	18.28	33	-14.72
				1	24	21.37	18.40	33	-14.6
				12	6	20.23	17.26	33	-15.74
				25	0	20.33	17.36	33	-15.64

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	39700	2501	QPSK	1	0	23.28	20.31	33	-12.69
				1	49	23.36	**20.39**	33	-12.61
				25	12	22.24	19.27	33	-13.73
				50	0	22.37	19.40	33	-13.6
	40620	2593	QPSK	1	0	23.29	20.32	33	-12.68
				1	49	23.32	20.35	33	-12.65
				25	12	22.32	19.35	33	-13.65
				50	0	22.22	19.25	33	-13.75
	41540	2685	QPSK	1	0	23.22	20.25	33	-12.75
				1	49	23.23	20.26	33	-12.74
				25	12	22.28	19.31	33	-13.69
				50	0	22.23	19.26	33	-13.74
10	39700	2501	16QAM	1	0	22.39	19.42	33	-13.58
				1	49	22.27	19.30	33	-13.7
				25	12	21.40	18.43	33	-14.57
				50	0	21.26	18.29	33	-14.71
	40620	2593	16QAM	1	0	22.35	19.38	33	-13.62
				1	49	22.40	**19.43**	33	-13.57
				25	12	21.23	18.26	33	-14.74
				50	0	21.38	18.41	33	-14.59
	41540	2685	16QAM	1	0	22.36	19.39	33	-13.61
				1	49	22.30	19.33	33	-13.67
				25	12	21.25	18.28	33	-14.72
				50	0	21.30	18.33	33	-14.67
10	39700	2501	64QAM	1	0	21.24	18.27	33	-14.73
				1	49	21.27	18.30	33	-14.7
				25	12	20.35	17.38	33	-15.62
				50	0	20.39	17.42	33	-15.58
	40620	2593	64QAM	1	0	21.32	**18.35**	33	-14.65
				1	49	21.27	18.30	33	-14.7
				25	12	20.24	17.27	33	-15.73
				50	0	20.24	17.27	33	-15.73
	41540	2685	64QAM	1	0	21.27	18.30	33	-14.7
				1	49	21.29	18.32	33	-14.68
				25	12	20.22	17.25	33	-15.75
				50	0	20.25	17.28	33	-15.72

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	39725	2503.5	QPSK	1	0	23.31	20.34	33	-12.66
				1	74	23.30	20.33	33	-12.67
				36	18	22.21	19.24	33	-13.76
				75	0	22.37	19.40	33	-13.6
	40620	2593	QPSK	1	0	23.29	20.32	33	-12.68
				1	74	23.33	**20.36**	33	-12.64
				36	18	22.31	19.34	33	-13.66
				75	0	22.40	19.43	33	-13.57
	41515	2682.5	QPSK	1	0	23.27	20.30	33	-12.7
				1	74	23.23	20.26	33	-12.74
				36	18	22.26	19.29	33	-13.71
				75	0	22.29	19.32	33	-13.68
15	39725	2503.5	16QAM	1	0	22.33	19.36	33	-13.64
				1	74	22.38	19.41	33	-13.59
				36	18	21.25	18.28	33	-14.72
				75	0	21.29	18.32	33	-14.68
	40620	2593	16QAM	1	0	22.37	19.40	33	-13.6
				1	74	22.26	19.29	33	-13.71
				36	18	21.25	18.28	33	-14.72
				75	0	21.32	18.35	33	-14.65
	41515	2682.5	16QAM	1	0	22.39	**19.42**	33	-13.58
				1	74	22.34	19.37	33	-13.63
				36	18	21.25	18.28	33	-14.72
				75	0	21.39	18.42	33	-14.58
15	39725	2503.5	64QAM	1	0	21.37	18.40	33	-14.6
				1	74	21.36	18.39	33	-14.61
				36	18	20.28	17.31	33	-15.69
				75	0	20.39	17.42	33	-15.58
	40620	2593	64QAM	1	0	21.23	18.26	33	-14.74
				1	74	21.39	**18.42**	33	-14.58
				36	18	20.26	17.29	33	-15.71
				75	0	20.37	17.40	33	-15.6
	41515	2682.5	64QAM	1	0	21.30	18.33	33	-14.67
				1	74	21.38	18.41	33	-14.59
				36	18	20.32	17.35	33	-15.65
				75	0	20.40	17.43	33	-15.57

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	39750	2506	QPSK	1	0	23.49	20.52	33	-12.48
				1	99	23.45	20.48	33	-12.52
				50	25	22.36	19.39	33	-13.61
				100	0	22.32	19.35	33	-13.65
	40620	2593	QPSK	1	0	23.61	20.64	33	-12.36
				1	99	23.52	20.55	33	-12.45
				50	25	22.33	19.36	33	-13.64
				100	0	22.22	19.25	33	-13.75
	41490	2680	QPSK	1	0	23.73	**20.76**	33	-12.24
				1	99	23.60	20.63	33	-12.37
				50	25	22.39	19.42	33	-13.58
				100	0	22.35	19.38	33	-13.62
20	39750	2506	16QAM	1	0	22.27	19.30	33	-13.7
				1	99	22.34	19.37	33	-13.63
				50	25	21.39	18.42	33	-14.58
				100	0	21.34	18.37	33	-14.63
	40620	2593	16QAM	1	0	22.35	**19.38**	33	-13.62
				1	99	22.25	19.28	33	-13.72
				50	25	21.25	18.28	33	-14.72
				100	0	21.29	18.32	33	-14.68
	41490	2680	16QAM	1	0	22.30	19.33	33	-13.67
				1	99	22.25	19.28	33	-13.72
				50	25	21.36	18.39	33	-14.61
				100	0	21.39	18.42	33	-14.58
20	39750	2506	64QAM	1	0	21.31	18.34	33	-14.66
				1	99	21.30	18.33	33	-14.67
				50	25	20.22	17.25	33	-15.75
				100	0	20.28	17.31	33	-15.69
	40620	2593	64QAM	1	0	21.25	18.28	33	-14.72
				1	99	21.36	**18.39**	33	-14.61
				50	25	20.31	17.34	33	-15.66
				100	0	20.31	17.34	33	-15.66
	41490	2680	64QAM	1	0	21.30	18.33	33	-14.67
				1	99	21.32	18.35	33	-14.65
				50	25	20.31	17.34	33	-15.66
				100	0	20.38	17.41	33	-15.59

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LTE Band 41 (HPUE)

Antenna gain (dBi)	-2.97								
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	39675	2498.5	QPSK	1	0	25.36	22.39	33	-10.61
				1	24	25.31	22.34	33	-10.66
				12	6	24.27	21.30	33	-11.7
				25	0	24.38	21.41	33	-11.59
	40620	2593	QPSK	1	0	25.24	22.27	33	-10.73
				1	24	25.34	22.37	33	-10.63
				12	6	24.33	21.36	33	-11.64
				25	0	24.29	21.32	33	-11.68
	41565	2687.5	QPSK	1	0	25.29	22.32	33	-10.68
				1	24	25.38	**22.41**	33	-10.59
				12	6	24.21	21.24	33	-11.76
				25	0	24.35	21.38	33	-11.62
5	39675	2498.5	16QAM	1	0	24.21	21.24	33	-11.76
				1	24	24.24	21.27	33	-11.73
				12	6	23.28	20.31	33	-12.69
				25	0	23.34	20.37	33	-12.63
	40620	2593	16QAM	1	0	24.22	21.25	33	-11.75
				1	24	24.22	21.25	33	-11.75
				12	6	23.38	20.41	33	-12.59
				25	0	23.24	20.27	33	-12.73
	41565	2687.5	16QAM	1	0	24.31	21.34	33	-11.66
				1	24	24.36	**21.39**	33	-11.61
				12	6	23.34	20.37	33	-12.63
				25	0	23.33	20.36	33	-12.64
5	39675	2498.5	64QAM	1	0	23.27	20.30	33	-12.7
				1	24	23.39	**20.42**	33	-12.58
				12	6	22.24	19.27	33	-13.73
				25	0	22.37	19.40	33	-13.6
	40620	2593	64QAM	1	0	23.31	20.34	33	-12.66
				1	24	23.22	20.25	33	-12.75
				12	6	22.35	19.38	33	-13.62
				25	0	22.36	19.39	33	-13.61
	41565	2687.5	64QAM	1	0	23.24	20.27	33	-12.73
				1	24	23.25	20.28	33	-12.72
				12	6	22.21	19.24	33	-13.76
				25	0	22.22	19.25	33	-13.75

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz

BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	39700	2501	QPSK	1	0	25.22	22.25	33	-10.75
				1	49	25.32	22.35	33	-10.65
				25	12	24.25	21.28	33	-11.72
				50	0	24.21	21.24	33	-11.76
	40620	2593	QPSK	1	0	25.39	**22.42**	33	-10.58
				1	49	25.36	22.39	33	-10.61
				25	12	24.33	21.36	33	-11.64
				50	0	24.25	21.28	33	-11.72
	41540	2685	QPSK	1	0	25.32	22.35	33	-10.65
				1	49	25.39	**22.42**	33	-10.58
				25	12	24.22	21.25	33	-11.75
				50	0	24.40	21.43	33	-11.57
10	39700	2501	16QAM	1	0	24.34	21.37	33	-11.63
				1	49	24.23	21.26	33	-11.74
				25	12	23.28	20.31	33	-12.69
				50	0	23.32	20.35	33	-12.65
	40620	2593	16QAM	1	0	24.36	21.39	33	-11.61
				1	49	24.21	21.24	33	-11.76
				25	12	23.31	20.34	33	-12.66
				50	0	23.40	20.43	33	-12.57
	41540	2685	16QAM	1	0	24.36	21.39	33	-11.61
				1	49	24.40	**21.43**	33	-11.57
				25	12	23.24	20.27	33	-12.73
				50	0	23.28	20.31	33	-12.69
10	39700	2501	64QAM	1	0	23.21	20.24	33	-12.76
				1	49	23.34	20.37	33	-12.63
				25	12	22.27	19.30	33	-13.7
				50	0	22.30	19.33	33	-13.67
	40620	2593	64QAM	1	0	23.33	20.36	33	-12.64
				1	49	23.29	20.32	33	-12.68
				25	12	22.34	19.37	33	-13.63
				50	0	22.21	19.24	33	-13.76
	41540	2685	64QAM	1	0	23.37	**20.40**	33	-12.6
				1	49	23.21	20.24	33	-12.76
				25	12	22.21	19.24	33	-13.76
				50	0	22.22	19.25	33	-13.75

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz

BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	39725	2503.5	QPSK	1	0	25.30	22.33	33	-10.67
				1	74	25.32	22.35	33	-10.65
				36	18	24.31	21.34	33	-11.66
				75	0	24.23	21.26	33	-11.74
	40620	2593	QPSK	1	0	25.25	22.28	33	-10.72
				1	74	25.22	22.25	33	-10.75
				36	18	24.36	21.39	33	-11.61
				75	0	24.38	21.41	33	-11.59
	41515	2682.5	QPSK	1	0	25.25	22.28	33	-10.72
				1	74	25.40	**22.43**	33	-10.57
				36	18	24.35	21.38	33	-11.62
				75	0	24.30	21.33	33	-11.67
15	39725	2503.5	16QAM	1	0	24.30	21.33	33	-11.67
				1	74	24.38	**21.41**	33	-11.59
				36	18	23.38	20.41	33	-12.59
				75	0	23.22	20.25	33	-12.75
	40620	2593	16QAM	1	0	24.36	21.39	33	-11.61
				1	74	24.25	21.28	33	-11.72
				36	18	23.21	20.24	33	-12.76
				75	0	23.39	20.42	33	-12.58
	41515	2682.5	16QAM	1	0	24.25	21.28	33	-11.72
				1	74	24.34	21.37	33	-11.63
				36	18	23.35	20.38	33	-12.62
				75	0	23.30	20.33	33	-12.67
15	39725	2503.5	64QAM	1	0	23.29	20.32	33	-12.68
				1	74	23.33	20.36	33	-12.64
				36	18	22.32	19.35	33	-13.65
				75	0	22.34	19.37	33	-13.63
	40620	2593	64QAM	1	0	23.40	**20.43**	33	-12.57
				1	74	23.22	20.25	33	-12.75
				36	18	22.38	19.41	33	-13.59
				75	0	22.39	19.42	33	-13.58
	41515	2682.5	64QAM	1	0	23.37	20.40	33	-12.6
				1	74	23.21	20.24	33	-12.76
				36	18	22.24	19.27	33	-13.73
				75	0	22.38	19.41	33	-13.59

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Antenna gain (dBi)	-2.97

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	39750	2506	QPSK	1	0	25.48	22.51	33	-10.49
				1	99	25.38	22.41	33	-10.59
				50	25	24.22	21.25	33	-11.75
				100	0	24.39	21.42	33	-11.58
	40620	2593	QPSK	1	0	25.40	22.43	33	-10.57
				1	99	25.35	22.38	33	-10.62
				50	25	24.31	21.34	33	-11.66
				100	0	24.28	21.31	33	-11.69
	41490	2680	QPSK	1	0	25.44	22.47	33	-10.53
				1	99	25.59	**22.62**	33	-10.38
				50	25	24.30	21.33	33	-11.67
				100	0	24.38	21.41	33	-11.59
20	39750	2506	16QAM	1	0	24.31	21.34	33	-11.66
				1	99	24.38	**21.41**	33	-11.59
				50	25	23.37	20.40	33	-12.6
				100	0	23.31	20.34	33	-12.66
	40620	2593	16QAM	1	0	24.36	21.39	33	-11.61
				1	99	24.25	21.28	33	-11.72
				50	25	23.39	20.42	33	-12.58
				100	0	23.38	20.41	33	-12.59
	41490	2680	16QAM	1	0	24.21	21.24	33	-11.76
				1	99	24.35	21.38	33	-11.62
				50	25	23.35	20.38	33	-12.62
				100	0	23.40	20.43	33	-12.57
20	39750	2506	64QAM	1	0	23.37	20.40	33	-12.6
				1	99	23.40	**20.43**	33	-12.57
				50	25	22.21	19.24	33	-13.76
				100	0	22.33	19.36	33	-13.64
	40620	2593	64QAM	1	0	23.34	20.37	33	-12.63
				1	99	23.21	20.24	33	-12.76
				50	25	22.25	19.28	33	-13.72
				100	0	22.34	19.37	33	-13.63
	41490	2680	64QAM	1	0	23.30	20.33	33	-12.67
				1	99	23.39	20.42	33	-12.58
				50	25	22.33	19.36	33	-13.64
				100	0	22.31	19.34	33	-13.66

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	131979	1710.7	QPSK	1	0	23.79	20.16	30	-9.84
				1	5	23.78	20.15	30	-9.85
				3	2	23.87	**20.24**	30	-9.76
				6	0	22.81	19.18	30	-10.82
	132322	1745	QPSK	1	0	23.80	20.17	30	-9.83
				1	5	23.84	20.21	30	-9.79
				3	2	23.76	20.13	30	-9.87
				6	0	22.86	19.23	30	-10.77
	132665	1779.3	QPSK	1	0	23.81	20.18	30	-9.82
				1	5	23.83	20.20	30	-9.8
				3	2	23.79	20.16	30	-9.84
				6	0	22.76	19.13	30	-10.87
1.4	131979	1710.7	16QAM	1	0	22.78	19.15	30	-10.85
				1	5	22.73	19.10	30	-10.9
				3	2	22.73	19.10	30	-10.9
				6	0	21.70	18.07	30	-11.93
	132322	1745	16QAM	1	0	22.80	19.17	30	-10.83
				1	5	22.82	19.19	30	-10.81
				3	2	22.83	**19.20**	30	-10.8
				6	0	21.83	18.20	30	-11.8
	132665	1779.3	16QAM	1	0	22.82	19.19	30	-10.81
				1	5	22.72	19.09	30	-10.91
				3	2	22.79	19.16	30	-10.84
				6	0	21.74	18.11	30	-11.89
1.4	131979	1710.7	64QAM	1	0	21.72	18.09	30	-11.91
				1	5	21.77	18.14	30	-11.86
				3	2	21.78	18.15	30	-11.85
				6	0	20.89	17.26	30	-12.74
	132322	1745	64QAM	1	0	21.72	18.09	30	-11.91
				1	5	21.84	18.21	30	-11.79
				3	2	21.79	18.16	30	-11.84
				6	0	20.79	17.16	30	-12.84
	132665	1779.3	64QAM	1	0	21.85	18.22	30	-11.78
				1	5	21.88	**18.25**	30	-11.75
				3	2	21.71	18.08	30	-11.92
				6	0	20.80	17.17	30	-12.83

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	23.71	20.08	30	-9.92
				1	14	23.82	20.19	30	-9.81
				8	4	22.76	19.13	30	-10.87
				15	0	22.85	19.22	30	-10.78
	132322	1745	QPSK	1	0	23.84	20.21	30	-9.79
				1	14	23.85	20.22	30	-9.78
				8	4	22.72	19.09	30	-10.91
				15	0	22.85	19.22	30	-10.78
	132657	1778.5	QPSK	1	0	23.89	**20.26**	30	-9.74
				1	14	23.87	20.24	30	-9.76
				8	4	22.75	19.12	30	-10.88
				15	0	22.87	19.24	30	-10.76
3	131987	1711.5	16QAM	1	0	22.89	**19.26**	30	-10.74
				1	14	22.75	19.12	30	-10.88
				8	4	21.70	18.07	30	-11.93
				15	0	21.85	18.22	30	-11.78
	132322	1745	16QAM	1	0	22.70	19.07	30	-10.93
				1	14	22.81	19.18	30	-10.82
				8	4	21.75	18.12	30	-11.88
				15	0	21.89	18.26	30	-11.74
	132657	1778.5	16QAM	1	0	22.81	19.18	30	-10.82
				1	14	22.83	19.20	30	-10.8
				8	4	21.71	18.08	30	-11.92
				15	0	21.76	18.13	30	-11.87
3	131987	1711.5	64QAM	1	0	21.88	18.25	30	-11.75
				1	14	21.85	18.22	30	-11.78
				8	4	20.70	17.07	30	-12.93
				15	0	20.82	17.19	30	-12.81
	132322	1745	64QAM	1	0	21.79	18.16	30	-11.84
				1	14	21.85	18.22	30	-11.78
				8	4	20.87	17.24	30	-12.76
				15	0	20.70	17.07	30	-12.93
	132657	1778.5	64QAM	1	0	21.75	18.12	30	-11.88
				1	14	21.89	**18.26**	30	-11.74
				8	4	20.78	17.15	30	-12.85
				15	0	20.80	17.17	30	-12.83

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	23.84	**20.21**	30	-9.79
				1	24	23.78	20.15	30	-9.85
				12	6	22.72	19.09	30	-10.91
				25	0	22.89	19.26	30	-10.74
	132322	1745	QPSK	1	0	23.70	20.07	30	-9.93
				1	24	23.59	19.96	30	-10.04
				12	6	22.75	19.12	30	-10.88
				25	0	22.76	19.13	30	-10.87
	132647	1777.5	QPSK	1	0	23.74	20.11	30	-9.89
				1	24	23.73	20.10	30	-9.9
				12	6	22.70	19.07	30	-10.93
				25	0	22.80	19.17	30	-10.83
5	131997	1712.5	16QAM	1	0	22.89	**19.26**	30	-10.74
				1	24	22.86	19.23	30	-10.77
				12	6	21.88	18.25	30	-11.75
				25	0	21.70	18.07	30	-11.93
	132322	1745	16QAM	1	0	22.73	19.10	30	-10.9
				1	24	22.77	19.14	30	-10.86
				12	6	21.89	18.26	30	-11.74
				25	0	21.73	18.10	30	-11.9
	132647	1777.5	16QAM	1	0	22.71	19.08	30	-10.92
				1	24	22.72	19.09	30	-10.91
				12	6	21.82	18.19	30	-11.81
				25	0	21.75	18.12	30	-11.88
5	131997	1712.5	64QAM	1	0	21.70	18.07	30	-11.93
				1	24	21.78	18.15	30	-11.85
				12	6	20.77	17.14	30	-12.86
				25	0	20.70	17.07	30	-12.93
	132322	1745	64QAM	1	0	21.84	18.21	30	-11.79
				1	24	21.85	18.22	30	-11.78
				12	6	20.89	17.26	30	-12.74
				25	0	20.73	17.10	30	-12.9
	132647	1777.5	64QAM	1	0	21.89	**18.26**	30	-11.74
				1	24	21.83	18.20	30	-11.8
				12	6	20.84	17.21	30	-12.79
				25	0	20.77	17.14	30	-12.86

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	23.70	20.07	30	-9.93
				1	49	23.82	20.19	30	-9.81
				25	12	22.77	19.14	30	-10.86
				50	0	22.81	19.18	30	-10.82
	132322	1745	QPSK	1	0	23.89	**20.26**	30	-9.74
				1	49	23.80	20.17	30	-9.83
				25	12	22.76	19.13	30	-10.87
				50	0	22.79	19.16	30	-10.84
	132622	1775	QPSK	1	0	23.82	20.19	30	-9.81
				1	49	23.84	20.21	30	-9.79
				25	12	22.86	19.23	30	-10.77
				50	0	22.86	19.23	30	-10.77
10	132022	1715	16QAM	1	0	22.82	19.19	30	-10.81
				1	49	22.73	19.10	30	-10.9
				25	12	21.89	18.26	30	-11.74
				50	0	21.74	18.11	30	-11.89
	132322	1745	16QAM	1	0	22.76	19.13	30	-10.87
				1	49	22.89	**19.26**	30	-10.74
				25	12	21.77	18.14	30	-11.86
				50	0	21.72	18.09	30	-11.91
	132622	1775	16QAM	1	0	22.79	19.16	30	-10.84
				1	49	22.75	19.12	30	-10.88
				25	12	21.74	18.11	30	-11.89
				50	0	21.84	18.21	30	-11.79
10	132022	1715	64QAM	1	0	21.88	18.25	30	-11.75
				1	49	21.87	18.24	30	-11.76
				25	12	20.77	17.14	30	-12.86
				50	0	20.82	17.19	30	-12.81
	132322	1745	64QAM	1	0	21.89	**18.26**	30	-11.74
				1	49	21.75	18.12	30	-11.88
				25	12	20.79	17.16	30	-12.84
				50	0	20.82	17.19	30	-12.81
	132622	1775	64QAM	1	0	21.78	18.15	30	-11.85
				1	49	21.82	18.19	30	-11.81
				25	12	20.71	17.08	30	-12.92
				50	0	20.78	17.15	30	-12.85

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	132047	1717.5	QPSK	1	0	23.82	20.19	30	-9.81
				1	74	23.87	**20.24**	30	-9.76
				36	18	22.85	19.22	30	-10.78
				75	0	22.82	19.19	30	-10.81
	132322	1745	QPSK	1	0	23.83	20.20	30	-9.8
				1	74	23.79	20.16	30	-9.84
				36	18	22.83	19.20	30	-10.8
				75	0	22.70	19.07	30	-10.93
	132597	1772.5	QPSK	1	0	23.77	20.14	30	-9.86
				1	74	23.84	20.21	30	-9.79
				36	18	22.81	19.18	30	-10.82
				75	0	22.85	19.22	30	-10.78
15	132047	1717.5	16QAM	1	0	22.84	**19.21**	30	-10.79
				1	74	22.77	19.14	30	-10.86
				36	18	21.70	18.07	30	-11.93
				75	0	21.89	18.26	30	-11.74
	132322	1745	16QAM	1	0	22.73	19.10	30	-10.9
				1	74	22.74	19.11	30	-10.89
				36	18	21.79	18.16	30	-11.84
				75	0	21.75	18.12	30	-11.88
	132597	1772.5	16QAM	1	0	22.75	19.12	30	-10.88
				1	74	22.79	19.16	30	-10.84
				36	18	21.73	18.10	30	-11.9
				75	0	21.79	18.16	30	-11.84
15	132047	1717.5	64QAM	1	0	21.87	18.24	30	-11.76
				1	74	21.88	**18.25**	30	-11.75
				36	18	20.81	17.18	30	-12.82
				75	0	20.86	17.23	30	-12.77
	132322	1745	64QAM	1	0	21.86	18.23	30	-11.77
				1	74	21.79	18.16	30	-11.84
				36	18	20.87	17.24	30	-12.76
				75	0	20.86	17.23	30	-12.77
	132597	1772.5	64QAM	1	0	21.75	18.12	30	-11.88
				1	74	21.83	18.20	30	-11.8
				36	18	20.89	17.26	30	-12.74
				75	0	20.73	17.10	30	-12.9

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Antenna gain (dBi)	-3.63

LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	132072	1720	QPSK	1	0	24.20	**20.57**	30	-9.43
				1	99	24.05	20.42	30	-9.58
				50	25	22.75	19.12	30	-10.88
				100	0	22.85	19.22	30	-10.78
	132322	1745	QPSK	1	0	24.00	20.37	30	-9.63
				1	99	23.90	20.27	30	-9.73
				50	25	22.76	19.13	30	-10.87
				100	0	22.89	19.26	30	-10.74
	132572	1770	QPSK	1	0	24.18	20.55	30	-9.45
				1	99	23.98	20.35	30	-9.65
				50	25	22.85	19.22	30	-10.78
				100	0	22.88	19.25	30	-10.75
20	132072	1720	16QAM	1	0	22.83	**19.20**	30	-10.8
				1	99	22.80	19.17	30	-10.83
				50	25	21.89	18.26	30	-11.74
				100	0	21.86	18.23	30	-11.77
	132322	1745	16QAM	1	0	22.82	19.19	30	-10.81
				1	99	22.74	19.11	30	-10.89
				50	25	21.78	18.15	30	-11.85
				100	0	21.73	18.10	30	-11.9
	132572	1770	16QAM	1	0	22.76	19.13	30	-10.87
				1	99	22.70	19.07	30	-10.93
				50	25	21.82	18.19	30	-11.81
				100	0	21.70	18.07	30	-11.93
20	132072	1720	64QAM	1	0	21.89	**18.26**	30	-11.74
				1	99	21.78	18.15	30	-11.85
				50	25	20.79	17.16	30	-12.84
				100	0	20.73	17.10	30	-12.9
	132322	1745	64QAM	1	0	21.71	18.08	30	-11.92
				1	99	21.89	**18.26**	30	-11.74
				50	25	20.82	17.19	30	-12.81
				100	0	20.78	17.15	30	-12.85
	132572	1770	64QAM	1	0	21.85	18.22	30	-11.78
				1	99	21.69	18.06	30	-11.94
				50	25	20.77	17.14	30	-12.86
				100	0	20.72	17.09	30	-12.91

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Antenna gain (dBi)	-1.85

LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	133147	665.5	QPSK	1	0	23.34	23.34	34.77	-11.43
				1	24	23.37	23.37	34.77	-11.4
				12	6	22.35	22.35	34.77	-12.42
				25	0	22.24	22.24	34.77	-12.53
	133297	680.5	QPSK	1	0	23.28	23.28	34.77	-11.49
				1	24	23.40	**23.40**	34.77	-11.37
				12	6	22.26	22.26	34.77	-12.51
				25	0	22.22	22.22	34.77	-12.55
	133447	695.5	QPSK	1	0	23.31	23.31	34.77	-11.46
				1	24	23.36	23.36	34.77	-11.41
				12	6	22.28	22.28	34.77	-12.49
				25	0	22.34	22.34	34.77	-12.43
5	133147	665.5	16QAM	1	0	22.34	22.34	34.77	-12.43
				1	24	22.28	22.28	34.77	-12.49
				12	6	21.27	21.27	34.77	-13.5
				25	0	21.36	21.36	34.77	-13.41
	133297	680.5	16QAM	1	0	22.36	**22.36**	34.77	-12.41
				1	24	22.26	22.26	34.77	-12.51
				12	6	21.21	21.21	34.77	-13.56
				25	0	21.39	21.39	34.77	-13.38
	133447	695.5	16QAM	1	0	22.28	22.28	34.77	-12.49
				1	24	22.34	22.34	34.77	-12.43
				12	6	21.26	21.26	34.77	-13.51
				25	0	21.23	21.23	34.77	-13.54
5	133147	665.5	64QAM	1	0	21.31	21.31	34.77	-13.46
				1	24	21.23	21.23	34.77	-13.54
				12	6	20.36	20.36	34.77	-14.41
				25	0	20.33	20.33	34.77	-14.44
	133297	680.5	64QAM	1	0	21.30	21.30	34.77	-13.47
				1	24	21.34	21.34	34.77	-13.43
				12	6	20.22	20.22	34.77	-14.55
				25	0	20.37	20.37	34.77	-14.4
	133447	695.5	64QAM	1	0	21.38	**21.38**	34.77	-13.39
				1	24	21.38	**21.38**	34.77	-13.39
				12	6	20.29	20.29	34.77	-14.48
				25	0	20.21	20.21	34.77	-14.56

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Antenna gain (dBi)	-1.85

LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	133172	668	QPSK	1	0	23.31	23.31	34.77	-11.46
				1	49	23.30	23.30	34.77	-11.47
				25	12	22.30	22.30	34.77	-12.47
				50	0	22.30	22.30	34.77	-12.47
	133297	680.5	QPSK	1	0	23.25	23.25	34.77	-11.52
				1	49	23.26	23.26	34.77	-11.51
				25	12	22.31	22.31	34.77	-12.46
				50	0	22.23	22.23	34.77	-12.54
	133422	693	QPSK	1	0	23.32	**23.32**	34.77	-11.45
				1	49	23.26	23.26	34.77	-11.51
				25	12	22.37	22.37	34.77	-12.4
				50	0	22.35	22.35	34.77	-12.42
10	133172	668	16QAM	1	0	22.33	22.33	34.77	-12.44
				1	49	22.23	22.23	34.77	-12.54
				25	12	21.28	21.28	34.77	-13.49
				50	0	21.32	21.32	34.77	-13.45
	133297	680.5	16QAM	1	0	22.29	22.29	34.77	-12.48
				1	49	22.23	22.23	34.77	-12.54
				25	12	21.34	21.34	34.77	-13.43
				50	0	21.32	21.32	34.77	-13.45
	133422	693	16QAM	1	0	22.40	**22.40**	34.77	-12.37
				1	49	22.22	22.22	34.77	-12.55
				25	12	21.24	21.24	34.77	-13.53
				50	0	21.23	21.23	34.77	-13.54
10	133172	668	64QAM	1	0	21.30	21.30	34.77	-13.47
				1	49	21.36	21.36	34.77	-13.41
				25	12	20.25	20.25	34.77	-14.52
				50	0	20.30	20.30	34.77	-14.47
	133297	680.5	64QAM	1	0	21.39	**21.39**	34.77	-13.38
				1	49	21.32	21.32	34.77	-13.45
				25	12	20.37	20.37	34.77	-14.4
				50	0	20.26	20.26	34.77	-14.51
	133422	693	64QAM	1	0	21.22	21.22	34.77	-13.55
				1	49	21.39	**21.39**	34.77	-13.38
				25	12	20.21	20.21	34.77	-14.56
				50	0	20.30	20.30	34.77	-14.47

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Antenna gain (dBi)	-1.85

LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	133197	670.5	QPSK	1	0	23.40	**23.40**	34.77	-11.37
				1	74	23.21	23.21	34.77	-11.56
				36	18	22.24	22.24	34.77	-12.53
				75	0	22.22	22.22	34.77	-12.55
	133297	680.5	QPSK	1	0	23.21	23.21	34.77	-11.56
				1	74	23.27	23.27	34.77	-11.5
				36	18	22.22	22.22	34.77	-12.55
				75	0	22.26	22.26	34.77	-12.51
	133397	690.5	QPSK	1	0	23.37	23.37	34.77	-11.4
				1	74	23.25	23.25	34.77	-11.52
				36	18	22.31	22.31	34.77	-12.46
				75	0	22.21	22.21	34.77	-12.56
15	133197	670.5	16QAM	1	0	22.21	22.21	34.77	-12.56
				1	74	22.25	22.25	34.77	-12.52
				36	18	21.33	21.33	34.77	-13.44
				75	0	21.32	21.32	34.77	-13.45
	133297	680.5	16QAM	1	0	22.33	**22.33**	34.77	-12.44
				1	74	22.30	22.30	34.77	-12.47
				36	18	21.29	21.29	34.77	-13.48
				75	0	21.38	21.38	34.77	-13.39
	133397	690.5	16QAM	1	0	22.31	22.31	34.77	-12.46
				1	74	22.24	22.24	34.77	-12.53
				36	18	21.32	21.32	34.77	-13.45
				75	0	21.27	21.27	34.77	-13.5
15	133197	670.5	64QAM	1	0	21.33	21.33	34.77	-13.44
				1	74	21.34	21.34	34.77	-13.43
				36	18	20.40	20.40	34.77	-14.37
				75	0	20.34	20.34	34.77	-14.43
	133297	680.5	64QAM	1	0	21.28	21.28	34.77	-13.49
				1	74	21.26	21.26	34.77	-13.51
				36	18	20.21	20.21	34.77	-14.56
				75	0	20.37	20.37	34.77	-14.4
	133397	690.5	64QAM	1	0	21.37	21.37	34.77	-13.4
				1	74	21.39	**21.39**	34.77	-13.38
				36	18	20.33	20.33	34.77	-14.44
				75	0	20.22	20.22	34.77	-14.55

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Antenna gain (dBi)	-1.85

LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	133222	673	QPSK	1	0	23.87	**23.87**	34.77	-10.9
				1	99	23.53	23.53	34.77	-11.24
				50	25	22.36	22.36	34.77	-12.41
				100	0	22.27	22.27	34.77	-12.5
	133297	680.5	QPSK	1	0	23.60	23.60	34.77	-11.17
				1	99	23.46	23.46	34.77	-11.31
				50	25	22.34	22.34	34.77	-12.43
				100	0	22.29	22.29	34.77	-12.48
	133372	688	QPSK	1	0	23.62	23.62	34.77	-11.15
				1	99	23.43	23.43	34.77	-11.34
				50	25	22.35	22.35	34.77	-12.42
				100	0	22.26	22.26	34.77	-12.51
20	133222	673	16QAM	1	0	22.38	**22.38**	34.77	-12.39
				1	99	22.29	22.29	34.77	-12.48
				50	25	21.37	21.37	34.77	-13.4
				100	0	21.33	21.33	34.77	-13.44
	133297	680.5	16QAM	1	0	22.26	22.26	34.77	-12.51
				1	99	22.33	22.33	34.77	-12.44
				50	25	21.39	21.39	34.77	-13.38
				100	0	21.23	21.23	34.77	-13.54
	133372	688	16QAM	1	0	22.32	22.32	34.77	-12.45
				1	99	22.33	22.33	34.77	-12.44
				50	25	21.40	21.40	34.77	-13.37
				100	0	21.24	21.24	34.77	-13.53
20	133222	673	64QAM	1	0	21.37	21.37	34.77	-13.4
				1	99	21.36	21.36	34.77	-13.41
				50	25	20.31	20.31	34.77	-14.46
				100	0	20.26	20.26	34.77	-14.51
	133297	680.5	64QAM	1	0	21.40	**21.40**	34.77	-13.37
				1	99	21.22	21.22	34.77	-13.55
				50	25	20.25	20.25	34.77	-14.52
				100	0	20.23	20.23	34.77	-14.54
	133372	688	64QAM	1	0	21.35	21.35	34.77	-13.42
				1	99	21.30	21.30	34.77	-13.47
				50	25	20.21	20.21	34.77	-14.56
				100	0	20.34	20.34	34.77	-14.43

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7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

7.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h), §90.513(e)(3)

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

FCC §27.53(a) for LTE B30

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(c) LTE B13

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53(g) for LTE B12, 71

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.

FCC §90.543 (f) for LTE B14

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)(3) for LTE B4, 66

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. 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.

FCC §27.53(m) (4) (6) for LTE B7, 38, 41

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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 that 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 nstrumentation 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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Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment

Frequency (MHz)	Attenuation (dB)
<2200	$43 + 10 \log_{10}(p)$
2200 - 2288	$70 + 10 \log_{10}(p)$
2288 - 2292	$67 + 10 \log_{10}(p)$
2292 - 2296	$61 + 10 \log_{10}(p)$
2296 - 2300	$55 + 10 \log_{10}(p)$
2300 - 2305	$43 + 10 \log_{10}(p)$
2305 - 2320	$43 + 10 \log_{10}(p)$ Note
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)$ Note
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 1.2 for the permitted frequency ranges for various equipment types.

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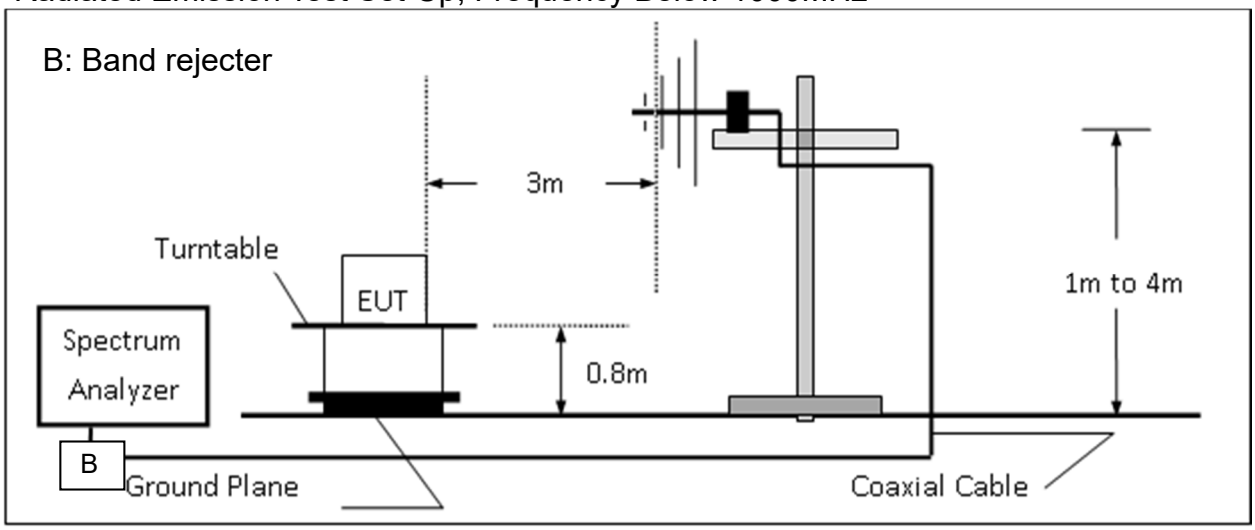
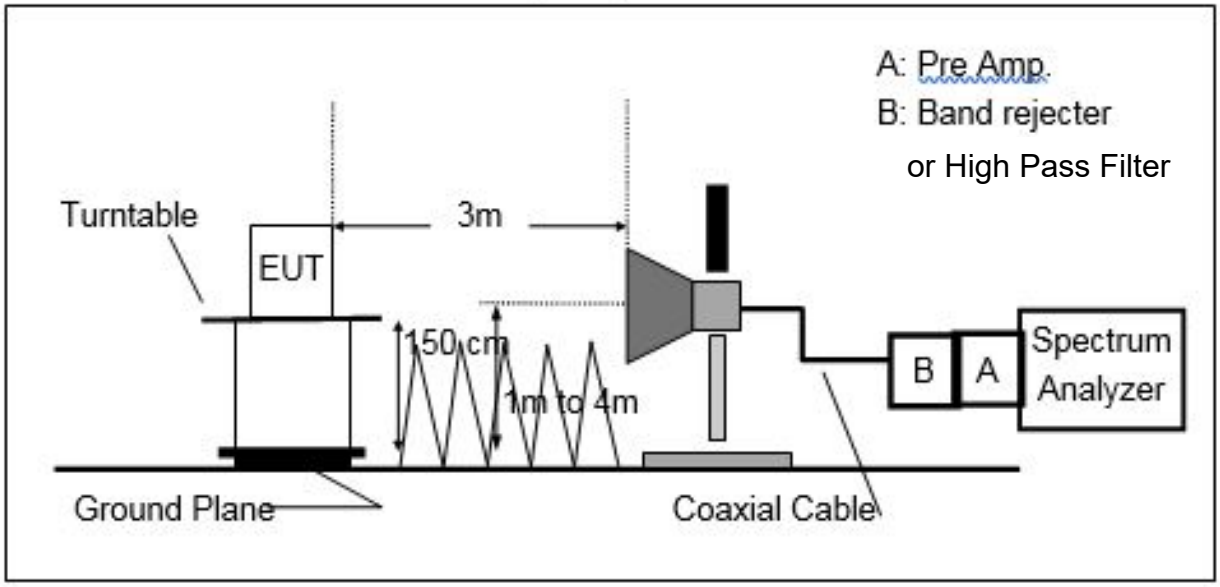
7.2 EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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7.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.
The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.
The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

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

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7.4 Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWAZBECK	VULB9168	300	11/18/2020	11/17/2021
Horn Antenna	Schwarzbeck	BBHA9120D	603	04/29/2020	04/28/2021
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2020	12/10/2021
Horn Antenna	Schwarzbeck	BBHA9170	185	07/30/2020	07/29/2021
Site Cal	SGS	SAC I chamber	N/A	01/01/2021	12/31/2021
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/17/2020	12/16/2021
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2020	01/12/2021
Bi-log Antenna	TESEO	CBL 6112D	23189 & 1	07/03/2020	07/02/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
Radio Communica-tion Analyer	Anritsu	MT8821C	6262044670	08/06/2020	08/05/2021
Test Software	audix	e3	Ver. 6.11-20180413	01/01/2021	12/31/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8449B	3008A01973	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A09469	12/16/2020	12/15/2021
Filter 635-920	Micro-Tronics	WI	4	12/16/2020	12/15/2021
Filter 800-1000	Micro-Tronics	EWT	M1	12/16/2020	12/15/2021
Filter 1700-2000	Micro-Tronics	EWT	M3	12/16/2020	12/15/2021
Filter 2240-2700	Micro-Tronics	WI	2	12/16/2020	12/15/2021
1GHz High Pass Fil-ter	Micro-Tronics	HPM50108	32	12/16/2020	12/15/2021
2GHz High Pass Fil-ter	Micro-Tronics	HPM50110	36	12/16/2020	12/15/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	160125	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 106	76096/6	12/16/2020	12/15/2021

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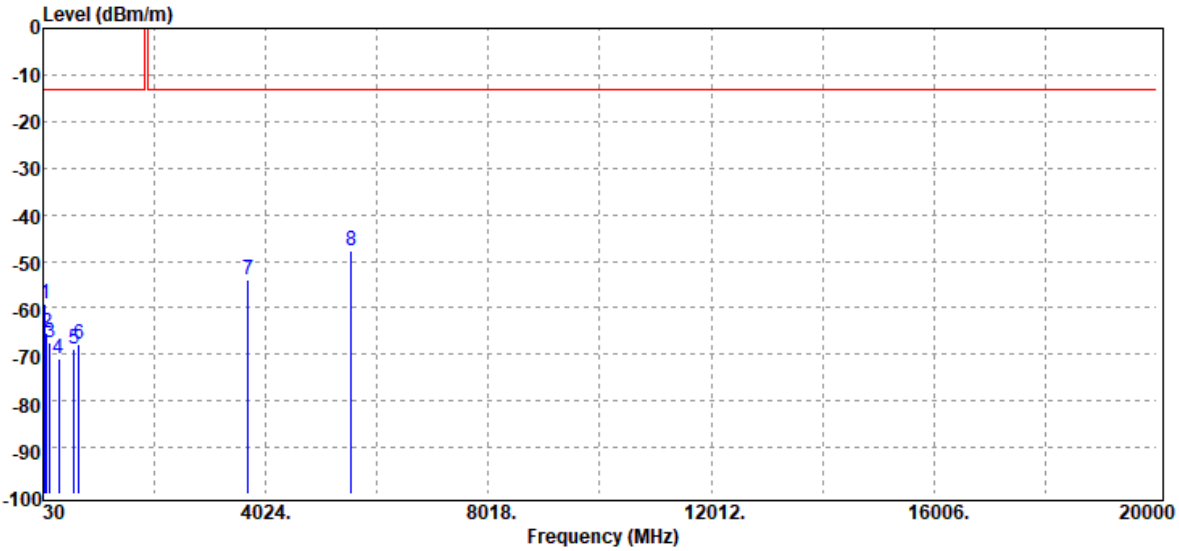
7.5 Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1852.4 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-59.00	-48.95	-9.30	-0.75	-13.00	-46.00
100.81	-65.55	-63.70	-0.83	-1.02	-13.00	-52.55
154.16	-67.48	-64.90	-1.39	-1.19	-13.00	-54.48
306.45	-70.79	-73.27	4.25	-1.77	-13.00	-57.79
584.84	-69.01	-70.16	3.83	-2.68	-13.00	-56.01
676.99	-67.77	-68.67	3.85	-2.95	-13.00	-54.77
3704.80	-53.85	-58.63	12.31	-7.53	-13.00	-40.85
5557.20	-47.73	-51.09	12.91	-9.55	-13.00	-34.73

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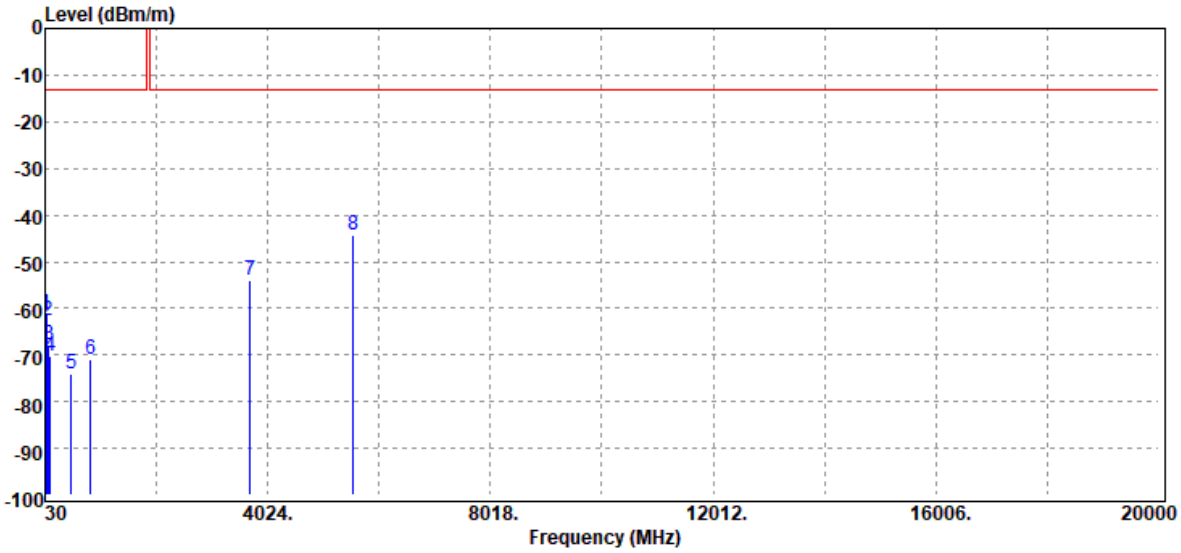
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1852.4 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-61.10	-48.47	-11.93	-0.70	-13.00	-48.10
59.10	-62.80	-52.47	-9.60	-0.73	-13.00	-49.80
91.11	-67.79	-66.56	-0.25	-0.98	-13.00	-54.79
117.30	-70.07	-67.23	-1.73	-1.11	-13.00	-57.07
503.36	-74.19	-76.08	4.18	-2.29	-13.00	-61.19
844.80	-70.99	-72.92	4.72	-2.79	-13.00	-57.99
3704.80	-53.87	-58.65	12.31	-7.53	-13.00	-40.87
5557.20	-44.41	-47.77	12.91	-9.55	-13.00	-31.41

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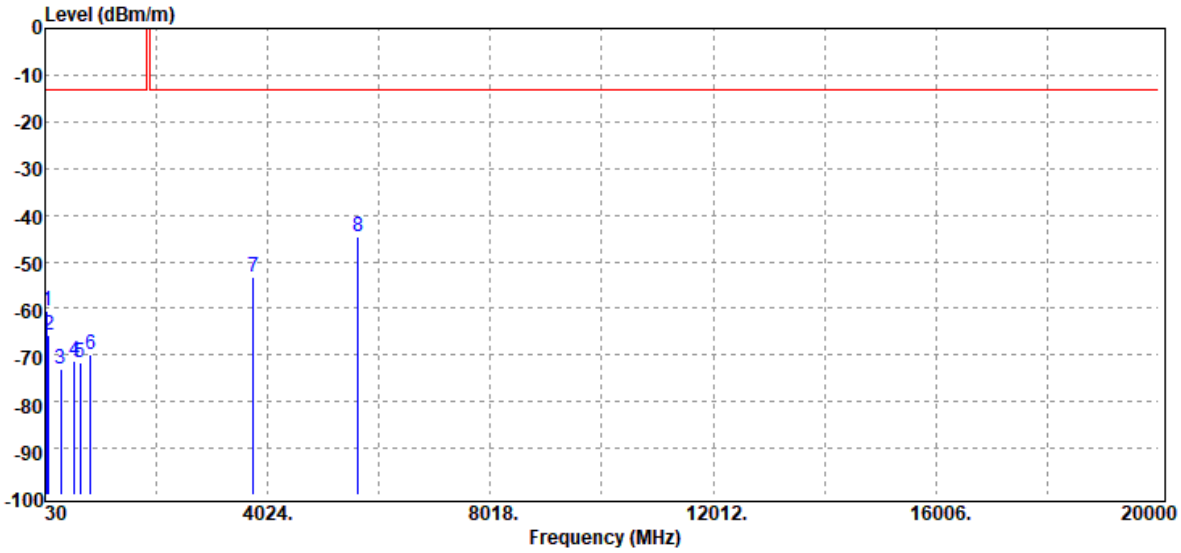
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-60.62	-50.29	-9.60	-0.73	-13.00	-47.62
100.81	-65.82	-63.97	-0.83	-1.02	-13.00	-52.82
306.45	-73.12	-75.60	4.25	-1.77	-13.00	-60.12
553.80	-71.20	-73.05	4.25	-2.40	-13.00	-58.20
663.41	-71.49	-72.56	3.72	-2.65	-13.00	-58.49
842.86	-69.84	-71.63	4.70	-2.91	-13.00	-56.84
3760.00	-53.37	-58.14	12.40	-7.63	-13.00	-40.37
5640.00	-44.59	-48.36	13.00	-9.23	-13.00	-31.59

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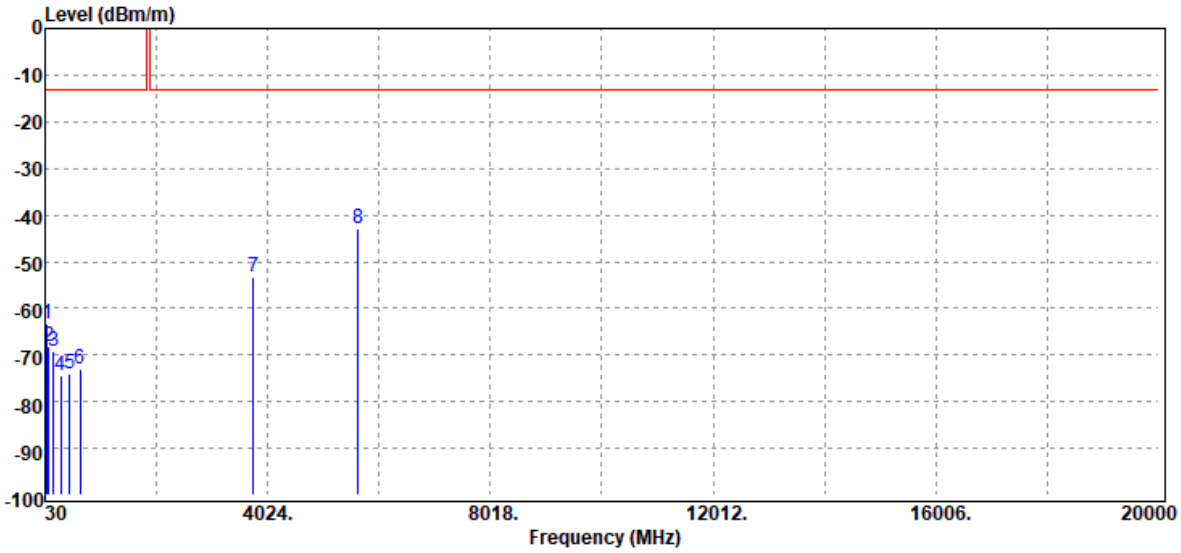
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-63.20	-52.87	-9.60	-0.73	-13.00	-50.20
95.96	-68.29	-67.01	-0.28	-1.00	-13.00	-55.29
180.35	-69.18	-69.27	1.47	-1.38	-13.00	-56.18
306.45	-74.31	-76.79	4.25	-1.77	-13.00	-61.31
476.20	-74.17	-76.01	4.21	-2.37	-13.00	-61.17
662.44	-73.15	-74.28	3.70	-2.57	-13.00	-60.15
3760.00	-53.22	-57.99	12.40	-7.63	-13.00	-40.22
5640.00	-42.79	-46.56	13.00	-9.23	-13.00	-29.79

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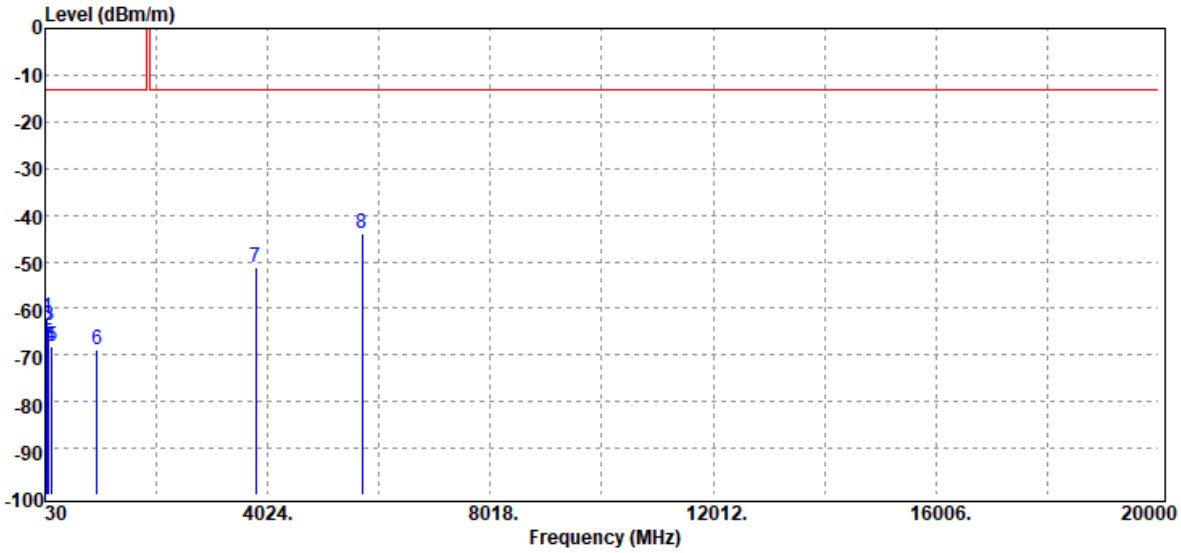
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1907.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
61.04	-62.11	-52.06	-9.30	-0.75	-13.00	-49.11
65.89	-64.80	-56.21	-7.79	-0.80	-13.00	-51.80
100.81	-63.58	-61.73	-0.83	-1.02	-13.00	-50.58
131.85	-68.03	-64.74	-2.09	-1.20	-13.00	-55.03
153.19	-68.09	-65.49	-1.42	-1.18	-13.00	-55.09
959.26	-68.84	-69.65	3.73	-2.92	-13.00	-55.84
3815.20	-51.17	-55.88	12.37	-7.66	-13.00	-38.17
5722.80	-44.02	-47.77	12.80	-9.05	-13.00	-31.02

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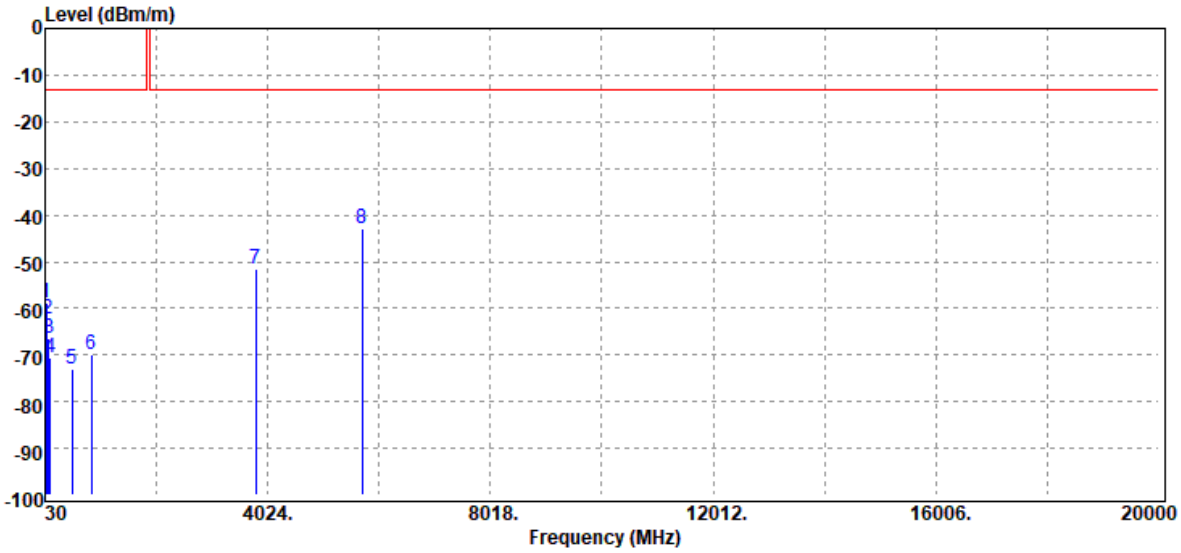
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B2	Test Date	:2021-01-07
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1907.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-58.90	-46.27	-11.93	-0.70	-13.00	-45.90
59.10	-62.31	-51.98	-9.60	-0.73	-13.00	-49.31
100.81	-66.48	-64.63	-0.83	-1.02	-13.00	-53.48
122.15	-70.64	-67.62	-1.88	-1.14	-13.00	-57.64
517.91	-72.90	-74.84	4.11	-2.17	-13.00	-59.90
862.26	-69.91	-71.76	4.59	-2.74	-13.00	-56.91
3815.20	-51.48	-56.19	12.37	-7.66	-13.00	-38.48
5722.80	-42.75	-46.50	12.80	-9.05	-13.00	-29.75

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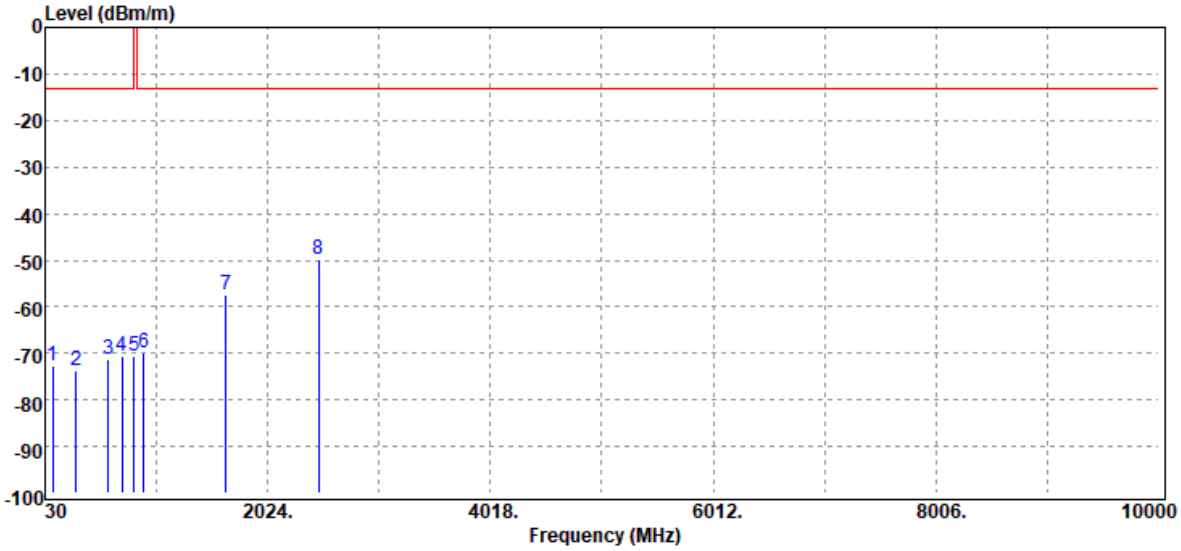
Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:826.4 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-72.81	-70.96	-0.83	-1.02	-13.00	-59.81
306.45	-73.87	-76.35	4.25	-1.77	-13.00	-60.87
594.54	-71.36	-72.48	3.77	-2.65	-13.00	-58.36
719.67	-70.65	-71.55	3.52	-2.62	-13.00	-57.65
825.40	-70.64	-72.06	4.42	-3.00	38.45	-109.09
910.76	-69.98	-70.78	4.02	-3.22	-13.00	-56.98
1652.80	-57.36	-62.61	9.51	-4.26	-13.00	-44.36
2479.20	-49.92	-55.31	10.56	-5.17	-13.00	-36.92

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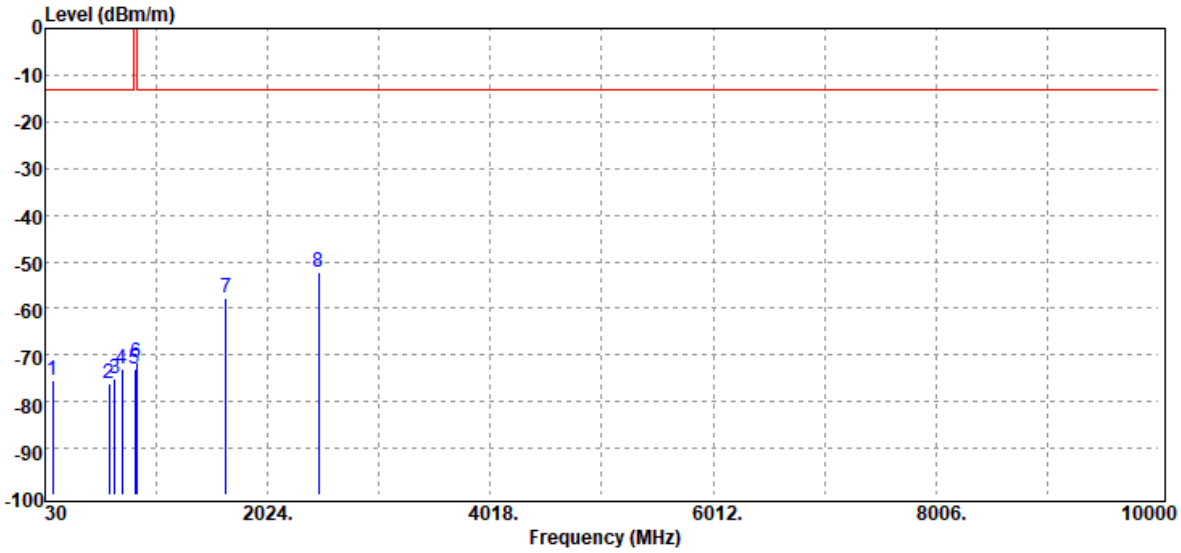
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:826.4 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-75.50	-73.65	-0.83	-1.02	-13.00	-62.50
605.21	-76.08	-77.12	3.61	-2.57	-13.00	-63.08
657.59	-75.17	-76.42	3.64	-2.39	-13.00	-62.17
720.64	-72.92	-73.78	3.48	-2.62	-13.00	-59.92
832.19	-72.86	-74.51	4.58	-2.93	38.45	-111.31
846.74	-71.71	-73.74	4.70	-2.67	38.45	-110.16
1652.80	-57.84	-63.09	9.51	-4.26	-13.00	-44.84
2479.20	-52.39	-57.78	10.56	-5.17	-13.00	-39.39

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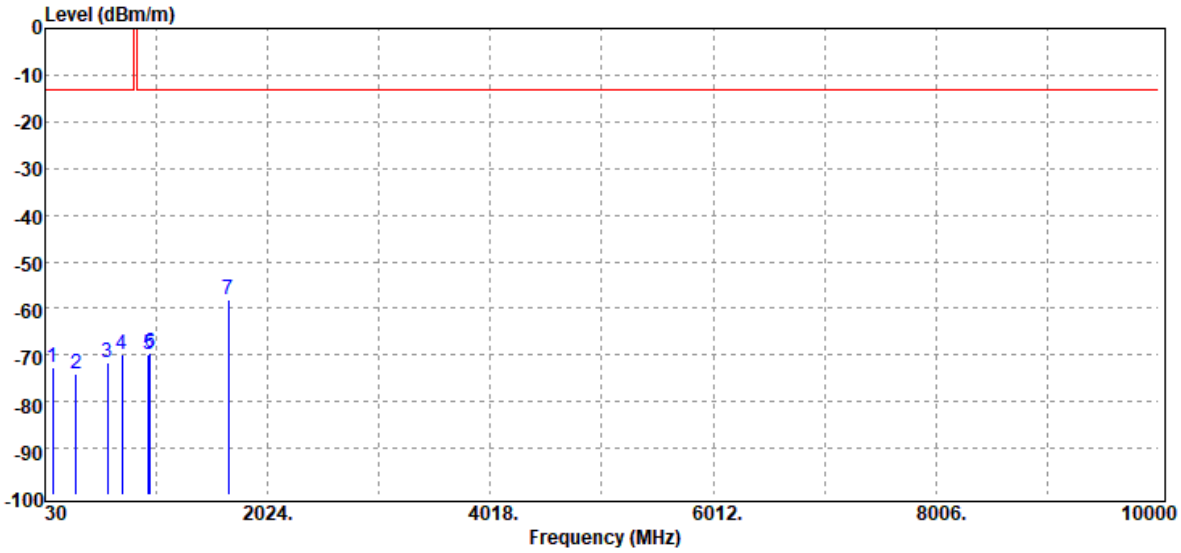
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:836.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-72.56	-70.71	-0.83	-1.02	-13.00	-59.56
306.45	-73.89	-76.37	4.25	-1.77	-13.00	-60.89
587.75	-71.53	-72.68	3.81	-2.66	-13.00	-58.53
718.70	-69.94	-70.79	3.51	-2.66	-13.00	-56.94
959.26	-69.88	-70.69	3.73	-2.92	-13.00	-56.88
972.84	-69.38	-70.31	3.84	-2.91	-13.00	-56.38
1673.20	-58.14	-63.40	9.55	-4.29	-13.00	-45.14

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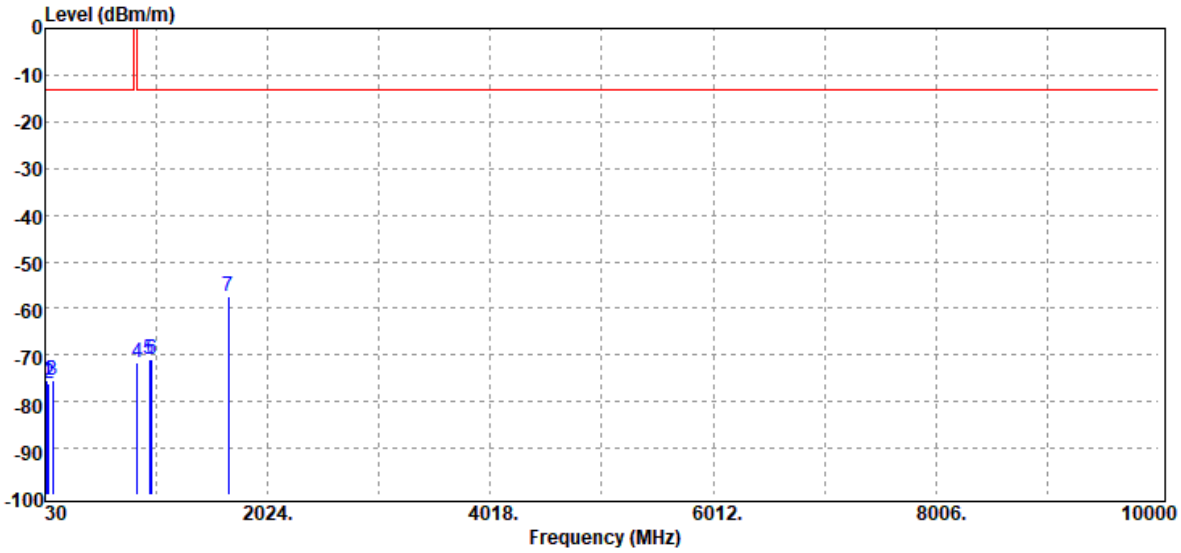
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:836.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-75.43	-62.80	-11.93	-0.70	-13.00	-62.43
59.10	-76.04	-65.71	-9.60	-0.73	-13.00	-63.04
100.81	-75.60	-73.75	-0.83	-1.02	-13.00	-62.60
856.44	-71.78	-73.74	4.61	-2.65	-13.00	-58.78
963.14	-71.02	-71.88	3.75	-2.89	-13.00	-58.02
985.45	-70.83	-71.64	3.95	-3.14	-13.00	-57.83
1673.20	-57.58	-62.84	9.55	-4.29	-13.00	-44.58

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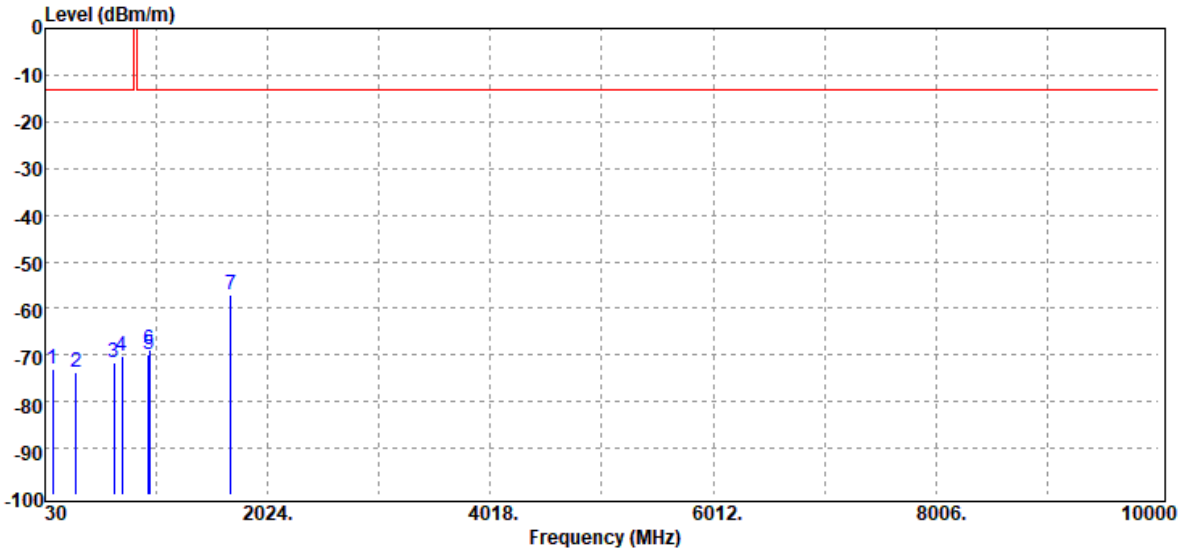
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:846.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-73.11	-71.26	-0.83	-1.02	-13.00	-60.11
306.45	-73.76	-76.24	4.25	-1.77	-13.00	-60.76
648.86	-71.50	-72.70	3.62	-2.42	-13.00	-58.50
719.67	-70.32	-71.22	3.52	-2.62	-13.00	-57.32
953.44	-69.83	-70.57	3.80	-3.06	-13.00	-56.83
963.14	-68.96	-69.82	3.75	-2.89	-13.00	-55.96
1693.20	-57.07	-62.34	9.59	-4.32	-13.00	-44.07

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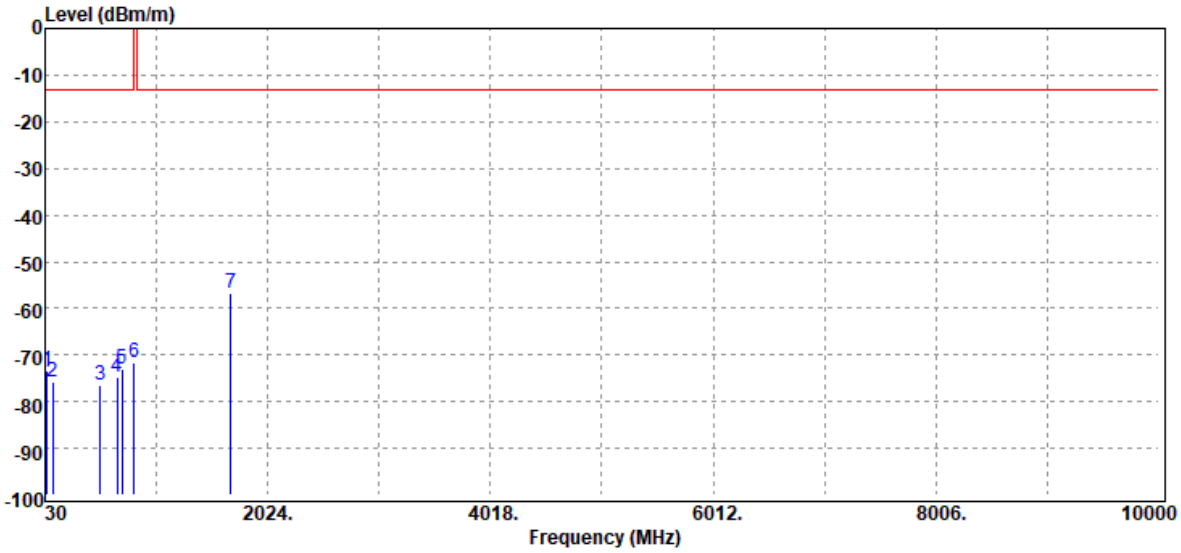
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:WCDMA B5	Test Date	:2021-01-07
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:846.6 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-73.49	-60.86	-11.93	-0.70	-13.00	-60.49
100.81	-75.74	-73.89	-0.83	-1.02	-13.00	-62.74
526.64	-76.39	-78.52	4.18	-2.05	-13.00	-63.39
673.11	-74.89	-75.61	3.80	-3.08	-13.00	-61.89
719.67	-73.11	-74.01	3.52	-2.62	-13.00	-60.11
830.25	-71.58	-73.25	4.56	-2.89	38.45	-110.03
1693.20	-56.61	-61.88	9.59	-4.32	-13.00	-43.61

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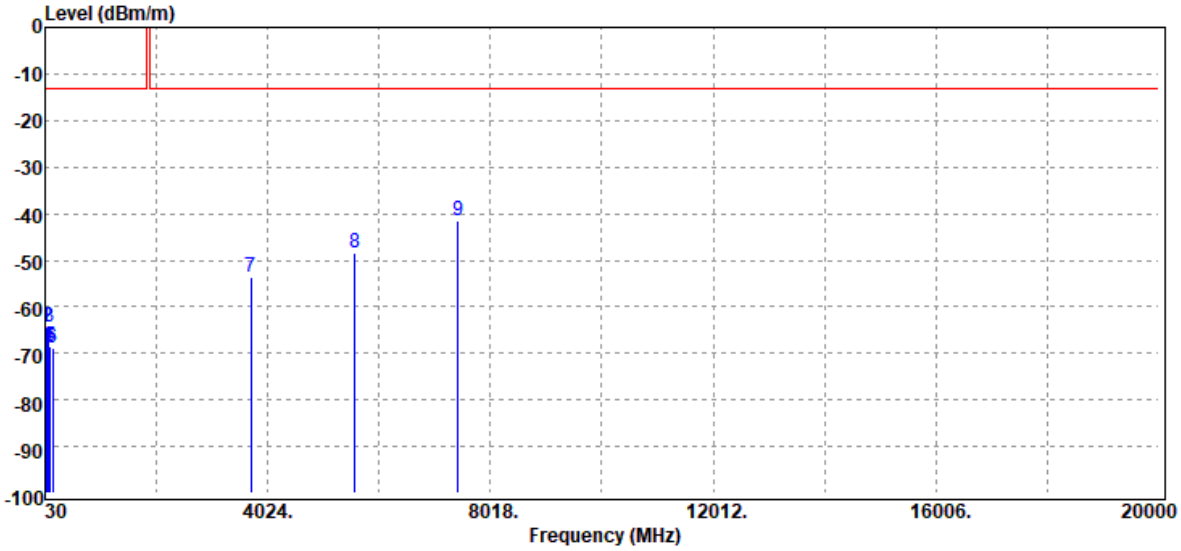
Radiated Spurious Emission Measurement Result: LTE Band 2 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1860 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-64.37	-51.28	-12.39	-0.70	-13.00	-51.37
59.10	-64.21	-53.88	-9.60	-0.73	-13.00	-51.21
100.81	-64.28	-62.43	-0.83	-1.02	-13.00	-51.28
107.60	-68.37	-65.91	-1.42	-1.04	-13.00	-55.37
127.97	-68.37	-65.33	-1.88	-1.16	-13.00	-55.37
163.86	-68.97	-66.79	-0.93	-1.25	-13.00	-55.97
3720.00	-53.78	-58.56	12.34	-7.56	-13.00	-40.78
5580.00	-48.47	-52.01	12.96	-9.42	-13.00	-35.47
7440.00	-41.48	-43.34	10.92	-9.06	-13.00	-28.48

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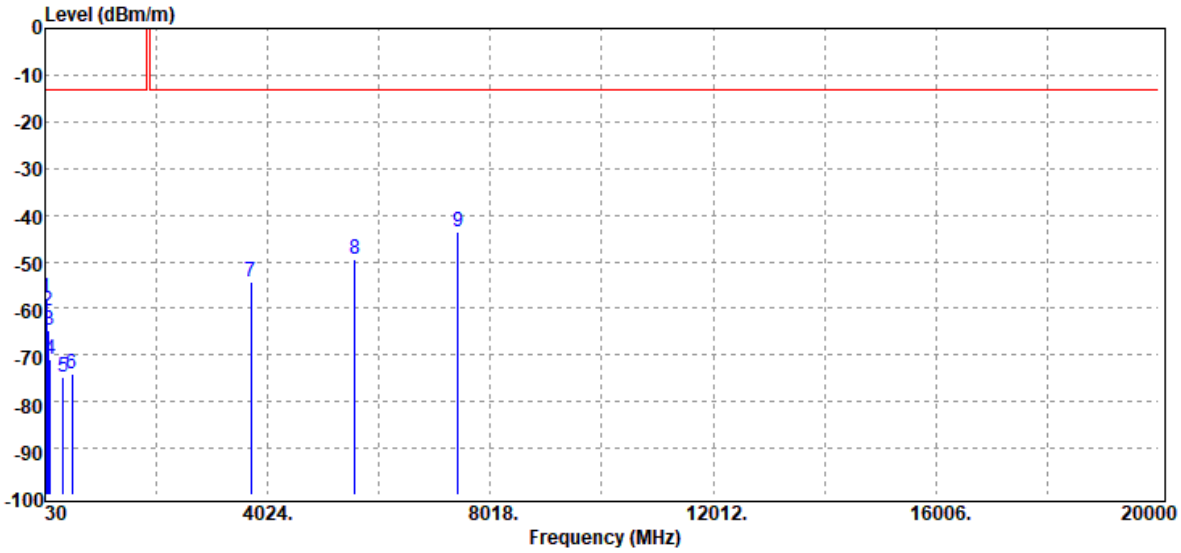
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1860 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-57.71	-45.08	-11.93	-0.70	-13.00	-44.71
59.10	-60.42	-50.09	-9.60	-0.73	-13.00	-47.42
100.81	-64.79	-62.94	-0.83	-1.02	-13.00	-51.79
122.15	-70.92	-67.90	-1.88	-1.14	-13.00	-57.92
352.04	-74.71	-77.22	4.53	-2.02	-13.00	-61.71
512.09	-74.06	-76.12	4.13	-2.07	-13.00	-61.06
3720.00	-54.34	-59.12	12.34	-7.56	-13.00	-41.34
5580.00	-49.50	-53.04	12.96	-9.42	-13.00	-36.50
7440.00	-43.74	-45.60	10.92	-9.06	-13.00	-30.74

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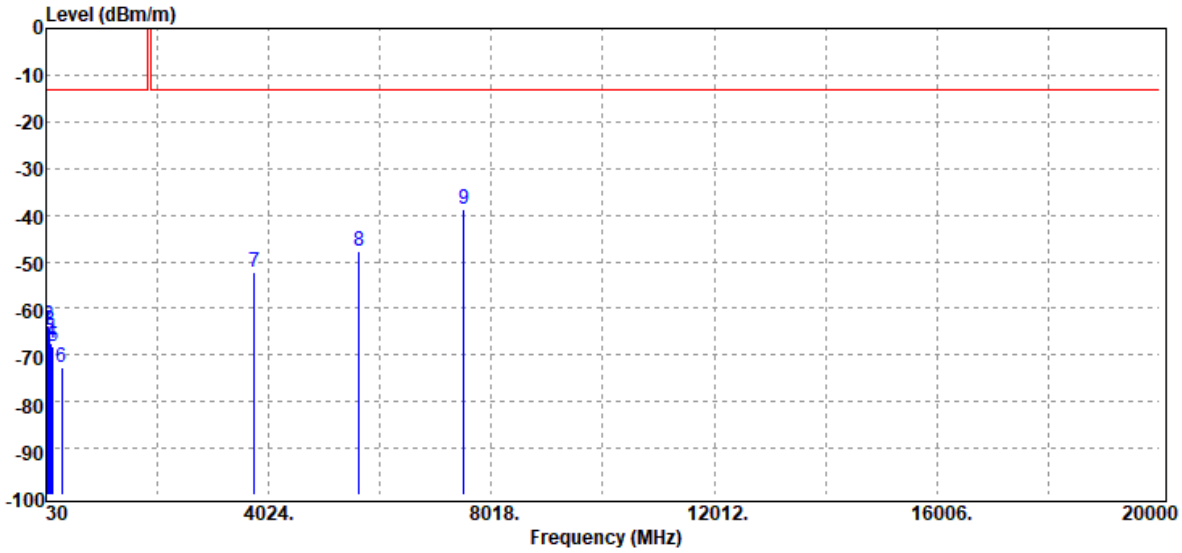
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-64.79	-52.16	-11.93	-0.70	-13.00	-51.79
61.04	-63.65	-53.60	-9.30	-0.75	-13.00	-50.65
100.81	-64.62	-62.77	-0.83	-1.02	-13.00	-51.62
128.94	-67.39	-64.22	-2.00	-1.17	-13.00	-54.39
156.10	-68.19	-65.62	-1.36	-1.21	-13.00	-55.19
306.45	-72.79	-75.27	4.25	-1.77	-13.00	-59.79
3760.00	-52.26	-57.03	12.40	-7.63	-13.00	-39.26
5640.00	-47.62	-51.39	13.00	-9.23	-13.00	-34.62
7520.00	-38.79	-40.57	11.04	-9.26	-13.00	-25.79

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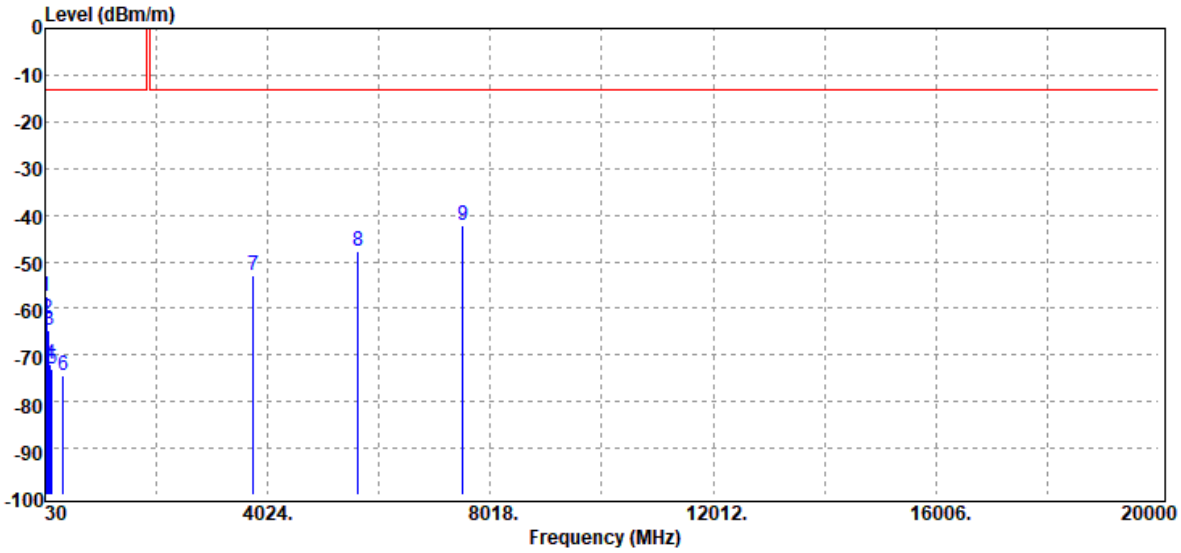
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1880 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-57.33	-44.70	-11.93	-0.70	-13.00	-44.33
59.10	-62.27	-51.94	-9.60	-0.73	-13.00	-49.27
100.81	-64.54	-62.69	-0.83	-1.02	-13.00	-51.54
127.97	-71.93	-68.89	-1.88	-1.16	-13.00	-58.93
149.31	-72.88	-70.09	-1.64	-1.15	-13.00	-59.88
357.86	-74.43	-76.97	4.50	-1.96	-13.00	-61.43
3760.00	-52.80	-57.57	12.40	-7.63	-13.00	-39.80
5640.00	-47.76	-51.53	13.00	-9.23	-13.00	-34.76
7520.00	-42.23	-44.01	11.04	-9.26	-13.00	-29.23

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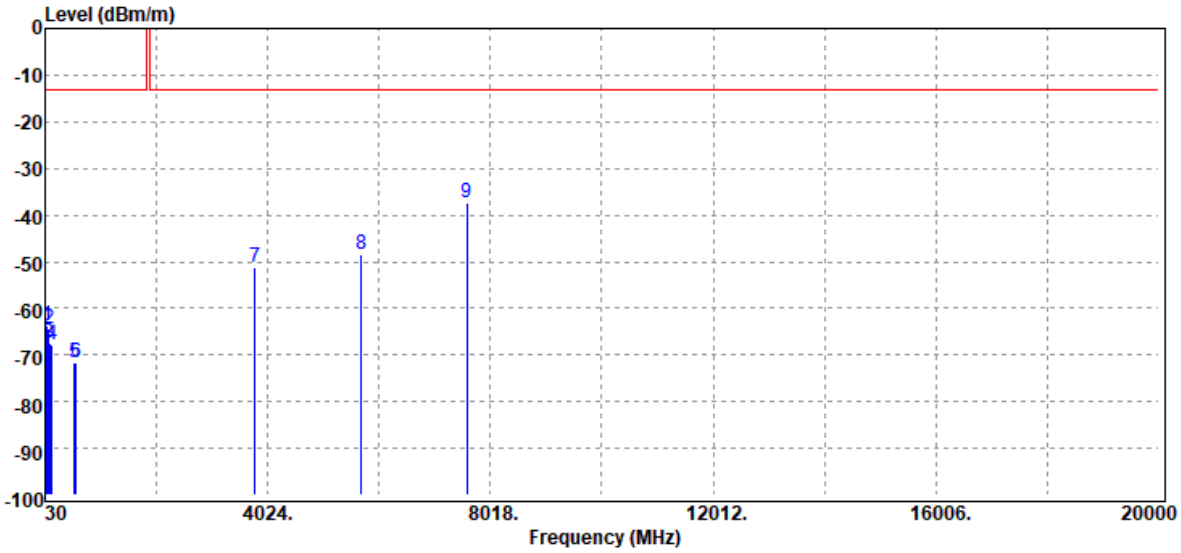
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1900 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-63.55	-53.22	-9.60	-0.73	-13.00	-50.55
100.81	-64.43	-62.58	-0.83	-1.02	-13.00	-51.43
109.54	-67.34	-64.75	-1.54	-1.05	-13.00	-54.34
151.25	-67.93	-65.22	-1.55	-1.16	-13.00	-54.93
556.71	-71.74	-73.49	4.26	-2.51	-13.00	-58.74
589.69	-71.60	-72.75	3.80	-2.65	-13.00	-58.60
3800.00	-51.18	-55.88	12.40	-7.70	-13.00	-38.18
5700.00	-48.28	-51.98	12.80	-9.10	-13.00	-35.28
7600.00	-37.23	-38.84	11.20	-9.59	-13.00	-24.23

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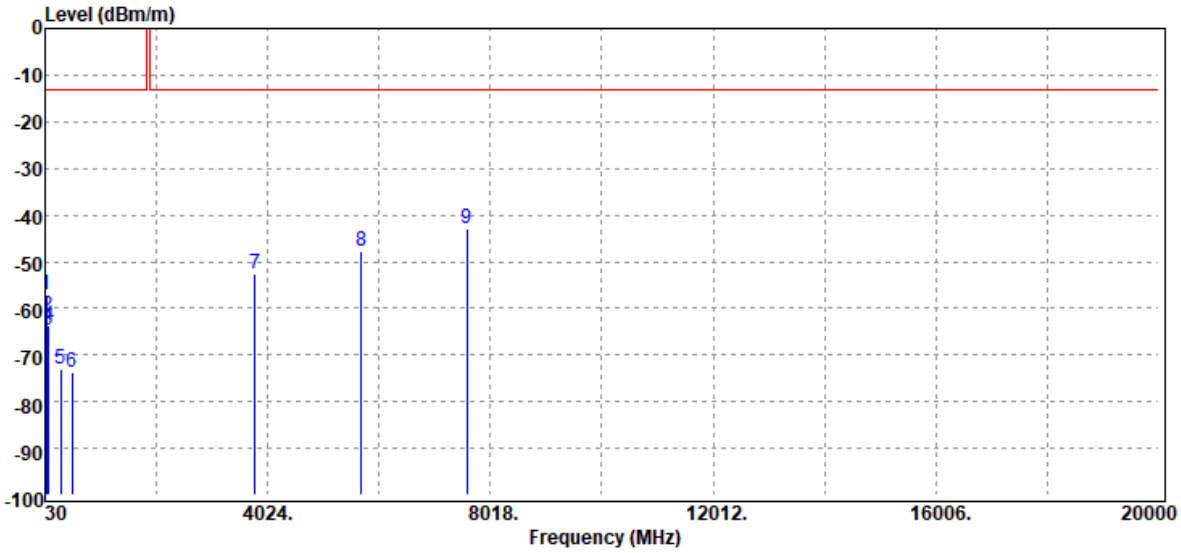
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B2	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1900 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-57.05	-44.42	-11.93	-0.70	-13.00	-44.05
59.10	-61.53	-51.20	-9.60	-0.73	-13.00	-48.53
65.89	-64.77	-56.18	-7.79	-0.80	-13.00	-51.77
100.81	-63.60	-61.75	-0.83	-1.02	-13.00	-50.60
306.45	-72.97	-75.45	4.25	-1.77	-13.00	-59.97
510.15	-73.56	-75.65	4.13	-2.04	-13.00	-60.56
3800.00	-52.64	-57.34	12.40	-7.70	-13.00	-39.64
5700.00	-47.59	-51.29	12.80	-9.10	-13.00	-34.59
7600.00	-42.84	-44.45	11.20	-9.59	-13.00	-29.84

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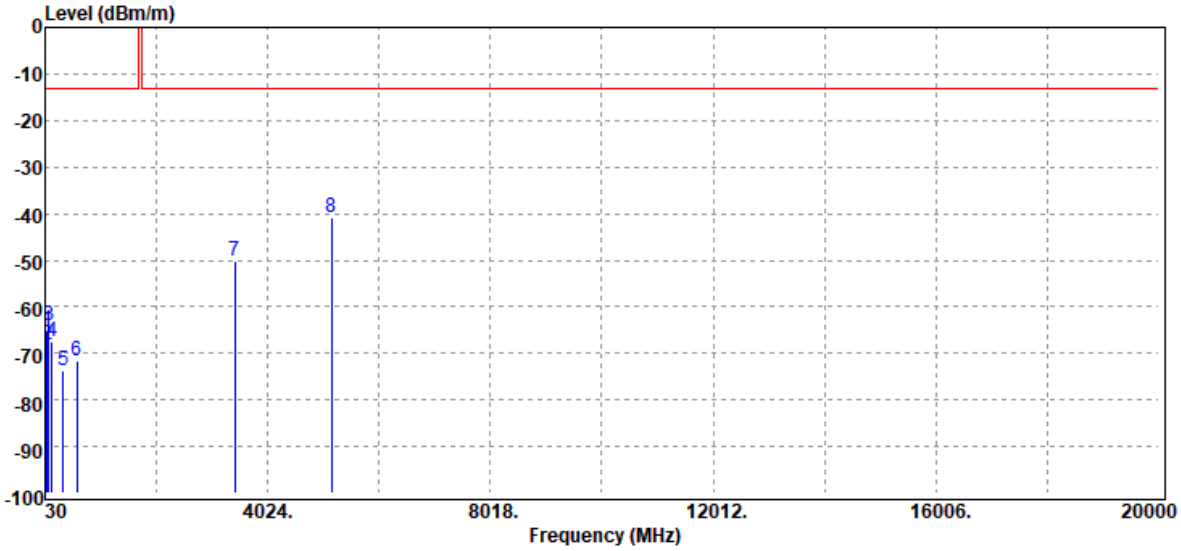
Radiated Spurious Emission Measurement Result: LTE Band 4 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1720 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-65.13	-54.80	-9.60	-0.73	-13.00	-52.13
76.56	-68.20	-62.90	-4.42	-0.88	-13.00	-55.20
100.81	-63.90	-62.05	-0.83	-1.02	-13.00	-50.90
158.04	-67.51	-65.03	-1.25	-1.23	-13.00	-54.51
356.89	-73.82	-76.34	4.49	-1.97	-13.00	-60.82
594.54	-71.70	-72.82	3.77	-2.65	-13.00	-58.70
3440.00	-50.16	-56.73	12.52	-5.95	-13.00	-37.16
5160.00	-40.88	-45.11	12.16	-7.93	-13.00	-27.88

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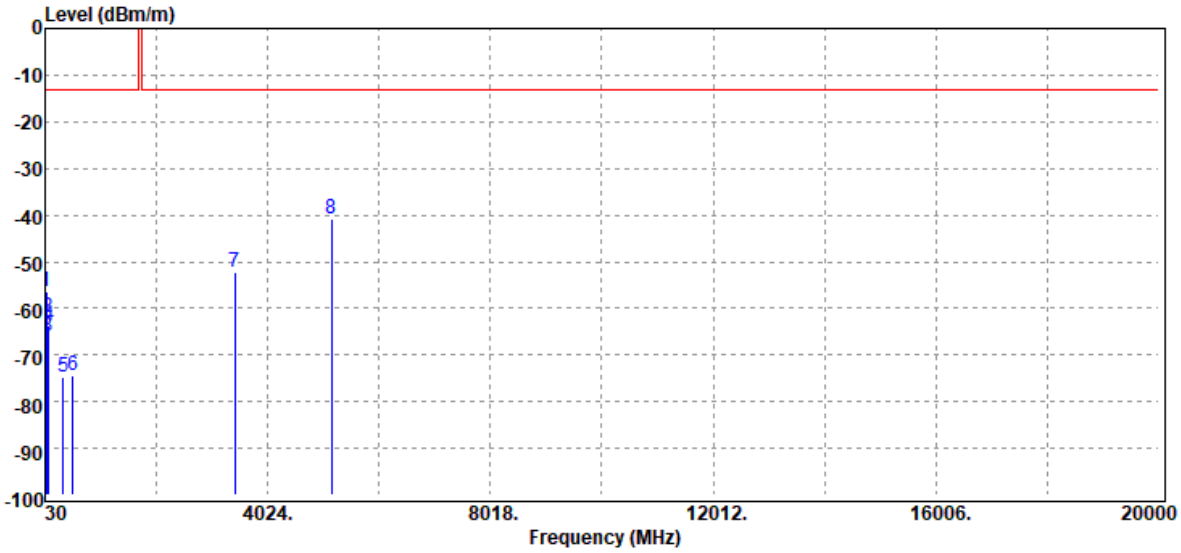
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1720 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-56.43	-43.34	-12.39	-0.70	-13.00	-43.43
59.10	-61.89	-51.56	-9.60	-0.73	-13.00	-48.89
65.89	-65.93	-57.34	-7.79	-0.80	-13.00	-52.93
100.81	-63.53	-61.68	-0.83	-1.02	-13.00	-50.53
353.01	-74.70	-77.21	4.52	-2.01	-13.00	-61.70
534.40	-74.49	-76.58	4.24	-2.15	-13.00	-61.49
3440.00	-52.30	-58.87	12.52	-5.95	-13.00	-39.30
5160.00	-40.98	-45.21	12.16	-7.93	-13.00	-27.98

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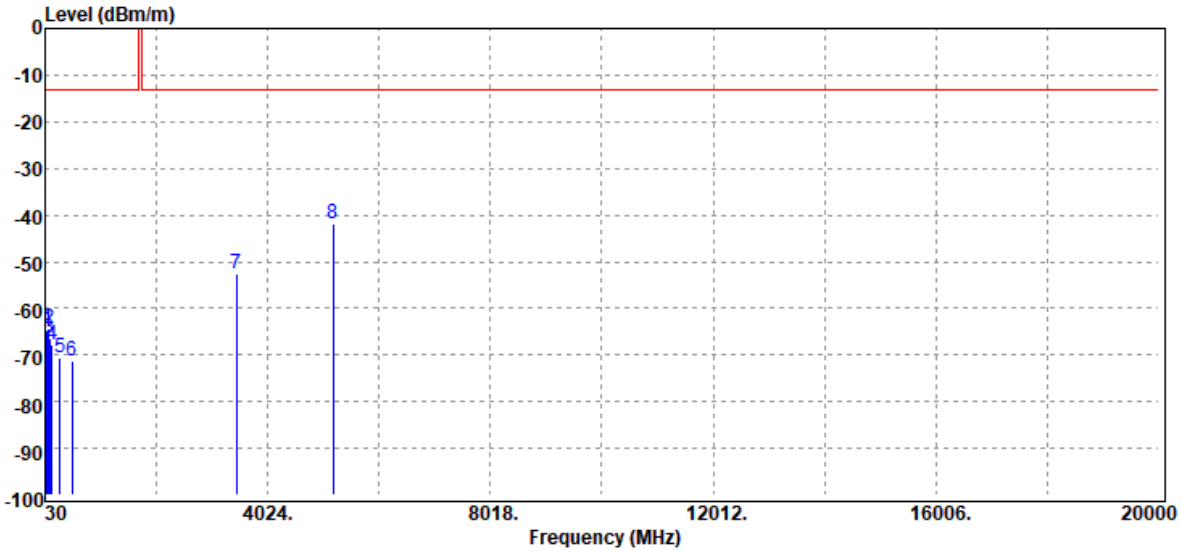
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1732.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-64.77	-54.44	-9.60	-0.73	-13.00	-51.77
100.81	-64.51	-62.66	-0.83	-1.02	-13.00	-51.51
104.69	-66.39	-64.06	-1.30	-1.03	-13.00	-53.39
153.19	-67.85	-65.25	-1.42	-1.18	-13.00	-54.85
304.51	-70.52	-73.01	4.26	-1.77	-13.00	-57.52
512.09	-71.30	-73.36	4.13	-2.07	-13.00	-58.30
3465.00	-52.63	-59.00	12.47	-6.10	-13.00	-39.63
5197.50	-41.72	-46.23	12.39	-7.88	-13.00	-28.72

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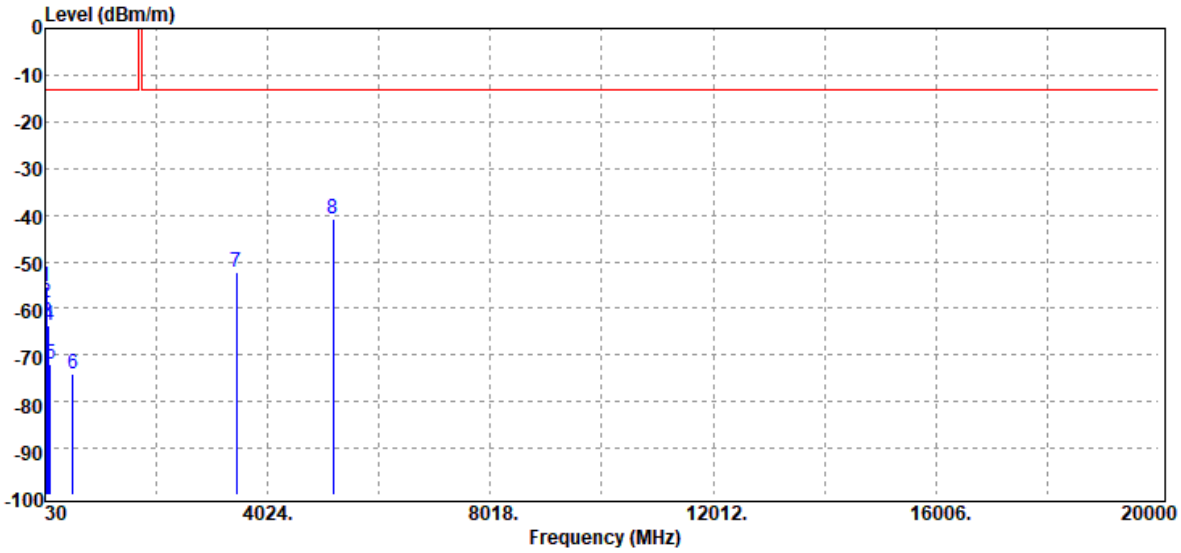
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1732.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-55.52	-42.43	-12.39	-0.70	-13.00	-42.52
54.25	-58.90	-47.45	-10.73	-0.72	-13.00	-45.90
61.04	-62.98	-52.93	-9.30	-0.75	-13.00	-49.98
100.81	-63.55	-61.70	-0.83	-1.02	-13.00	-50.55
124.09	-71.91	-68.91	-1.85	-1.15	-13.00	-58.91
529.55	-74.03	-76.21	4.17	-1.99	-13.00	-61.03
3465.00	-52.30	-58.67	12.47	-6.10	-13.00	-39.30
5197.50	-40.97	-45.48	12.39	-7.88	-13.00	-27.97

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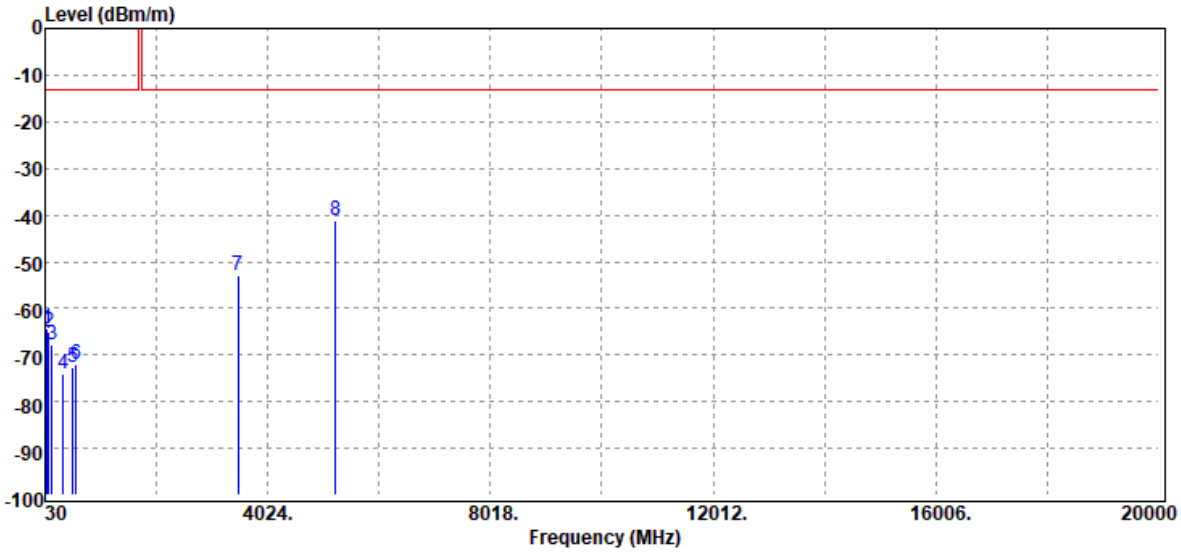
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1745 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
59.10	-64.42	-54.09	-9.60	-0.73	-13.00	-51.42
100.81	-65.02	-63.17	-0.83	-1.02	-13.00	-52.02
153.19	-67.76	-65.16	-1.42	-1.18	-13.00	-54.76
361.74	-74.00	-76.53	4.48	-1.95	-13.00	-61.00
532.46	-72.66	-74.80	4.21	-2.07	-13.00	-59.66
582.90	-72.02	-73.21	3.88	-2.69	-13.00	-59.02
3490.00	-52.92	-59.08	12.42	-6.26	-13.00	-39.92
5235.00	-41.25	-45.94	12.68	-7.99	-13.00	-28.25

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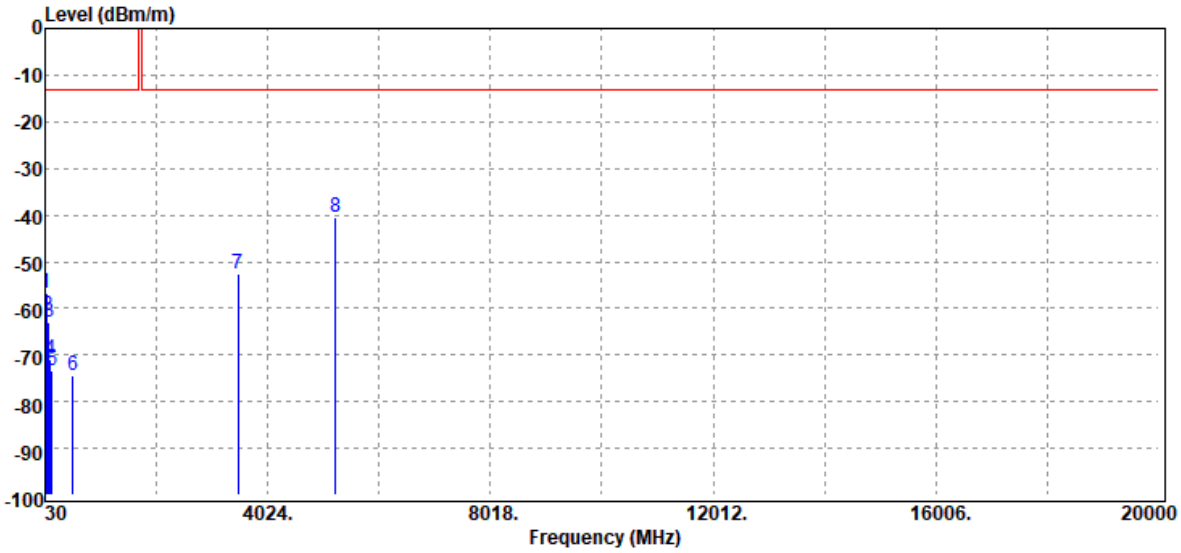
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B4	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1745 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-56.80	-44.17	-11.93	-0.70	-13.00	-43.80
61.04	-61.46	-51.41	-9.30	-0.75	-13.00	-48.46
100.81	-62.84	-60.99	-0.83	-1.02	-13.00	-49.84
120.21	-70.80	-67.87	-1.80	-1.13	-13.00	-57.80
149.31	-73.36	-70.57	-1.64	-1.15	-13.00	-60.36
527.61	-74.36	-76.50	4.17	-2.03	-13.00	-61.36
3490.00	-52.42	-58.58	12.42	-6.26	-13.00	-39.42
5235.00	-40.55	-45.24	12.68	-7.99	-13.00	-27.55

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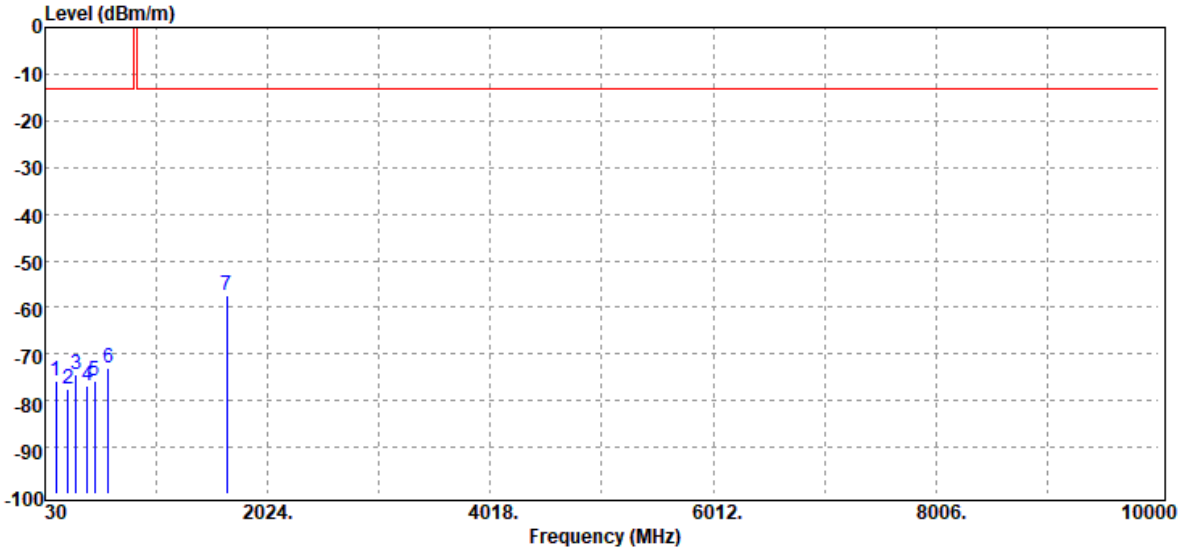
Radiated Spurious Emission Measurement Result: LTE Band 5 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:829 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
129.91	-75.75	-72.45	-2.13	-1.17	-13.00	-62.75
233.70	-77.65	-80.63	4.58	-1.60	-13.00	-64.65
306.45	-74.28	-76.76	4.25	-1.77	-13.00	-61.28
405.39	-76.83	-79.20	4.34	-1.97	-13.00	-63.83
471.35	-75.68	-77.54	4.15	-2.29	-13.00	-62.68
594.54	-72.88	-74.00	3.77	-2.65	-13.00	-59.88
1658.00	-57.49	-62.74	9.52	-4.27	-13.00	-44.49

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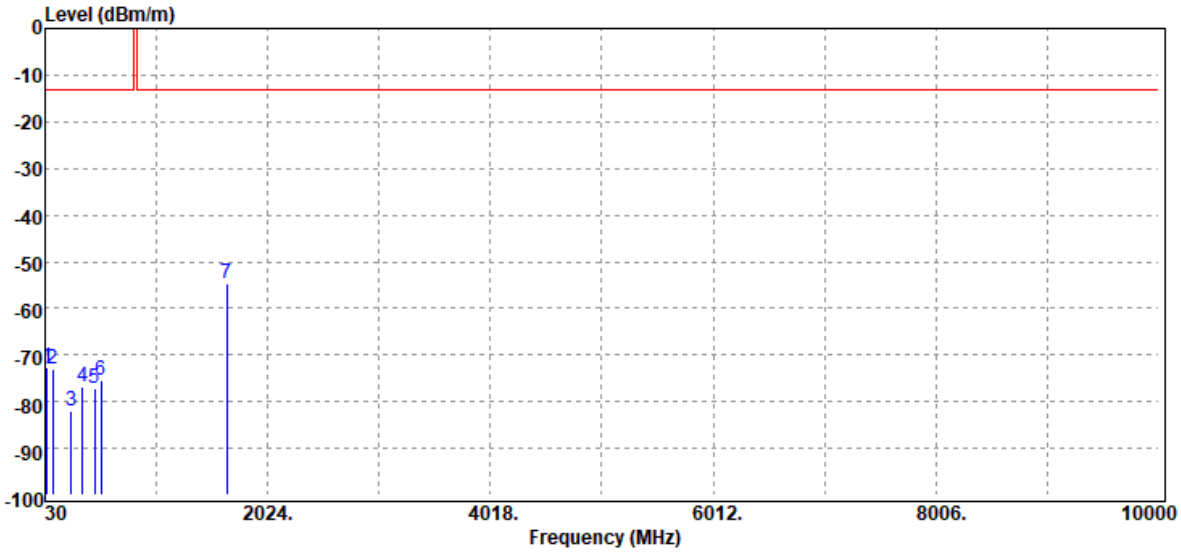
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:829 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-72.73	-60.10	-11.93	-0.70	-13.00	-59.73
100.81	-72.90	-71.05	-0.83	-1.02	-13.00	-59.90
264.74	-82.00	-84.70	4.35	-1.65	-13.00	-69.00
364.65	-76.73	-79.20	4.43	-1.96	-13.00	-63.73
473.29	-77.00	-78.86	4.18	-2.32	-13.00	-64.00
531.49	-75.60	-77.76	4.19	-2.03	-13.00	-62.60
1658.00	-54.51	-59.76	9.52	-4.27	-13.00	-41.51

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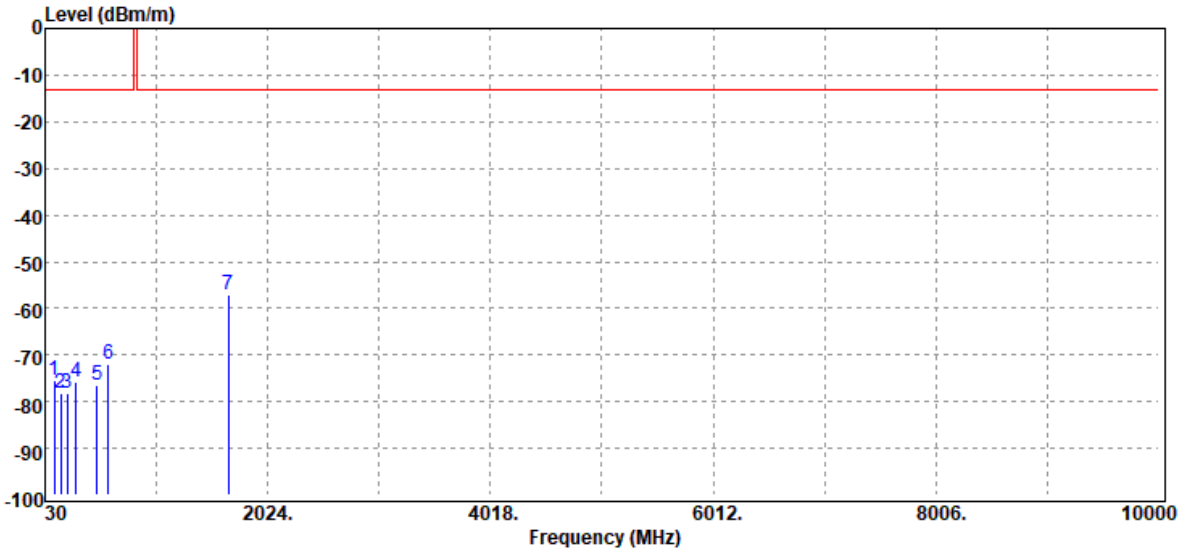
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:836.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
110.51	-75.40	-72.84	-1.50	-1.06	-13.00	-62.40
170.65	-78.07	-76.59	-0.21	-1.27	-13.00	-65.07
231.76	-78.20	-81.31	4.70	-1.59	-13.00	-65.20
306.45	-75.75	-78.23	4.25	-1.77	-13.00	-62.75
492.69	-76.57	-78.50	4.22	-2.29	-13.00	-63.57
595.51	-72.13	-73.24	3.76	-2.65	-13.00	-59.13
1673.00	-56.97	-62.23	9.55	-4.29	-13.00	-43.97

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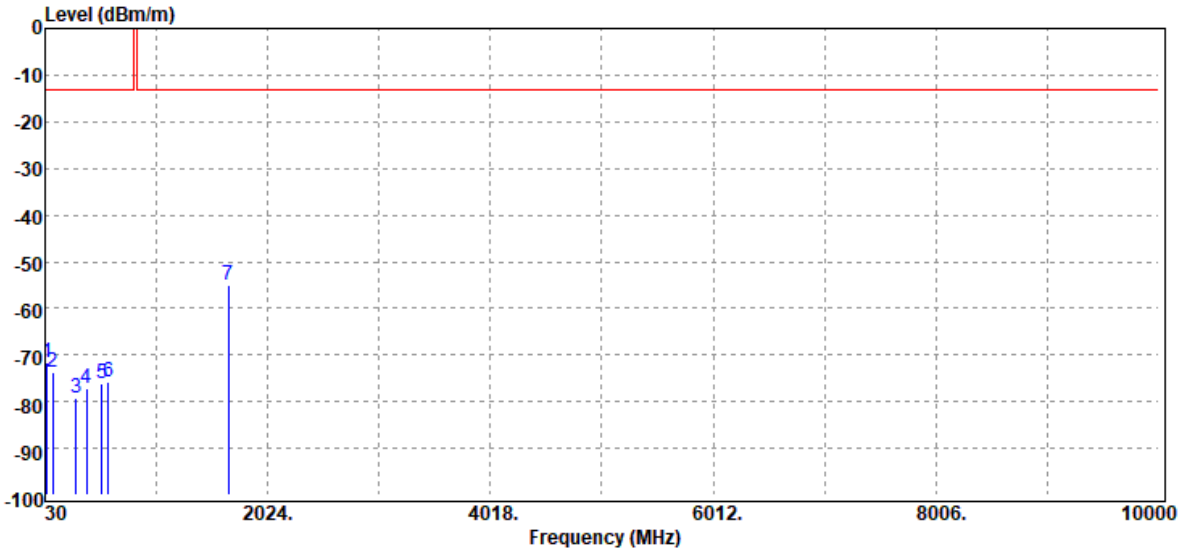
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:836.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-71.71	-58.62	-12.39	-0.70	-13.00	-58.71
100.81	-73.75	-71.90	-0.83	-1.02	-13.00	-60.75
306.45	-79.28	-81.76	4.25	-1.77	-13.00	-66.28
403.45	-77.25	-79.55	4.33	-2.03	-13.00	-64.25
542.16	-75.98	-77.97	4.33	-2.34	-13.00	-62.98
594.54	-75.90	-77.02	3.77	-2.65	-13.00	-62.90
1673.00	-54.99	-60.25	9.55	-4.29	-13.00	-41.99

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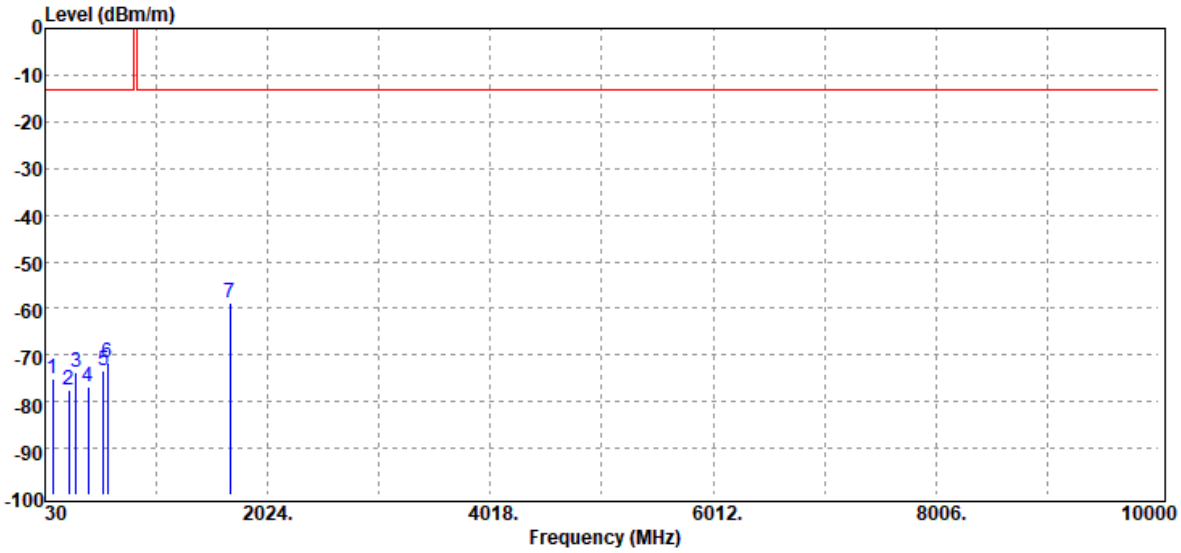
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:844 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-74.94	-73.09	-0.83	-1.02	-13.00	-61.94
241.46	-77.65	-80.42	4.38	-1.61	-13.00	-64.65
306.45	-73.60	-76.08	4.25	-1.77	-13.00	-60.60
418.00	-76.94	-79.34	4.28	-1.88	-13.00	-63.94
551.86	-73.40	-75.28	4.22	-2.34	-13.00	-60.40
587.75	-71.72	-72.87	3.81	-2.66	-13.00	-58.72
1688.00	-58.83	-64.10	9.58	-4.31	-13.00	-45.83

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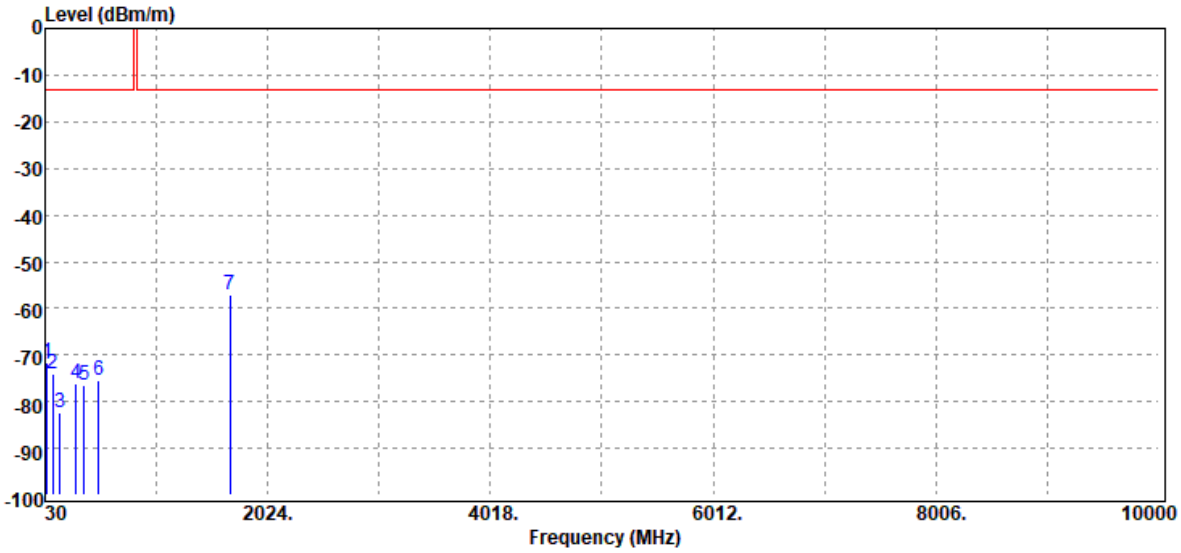
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B5	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:844 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-71.48	-58.85	-11.93	-0.70	-13.00	-58.48
100.81	-73.88	-72.03	-0.83	-1.02	-13.00	-60.88
165.80	-82.45	-80.48	-0.71	-1.26	-13.00	-69.45
306.45	-75.96	-78.44	4.25	-1.77	-13.00	-62.96
382.11	-76.33	-78.69	4.38	-2.02	-13.00	-63.33
507.24	-75.54	-77.54	4.14	-2.14	-13.00	-62.54
1688.00	-57.14	-62.41	9.58	-4.31	-13.00	-44.14

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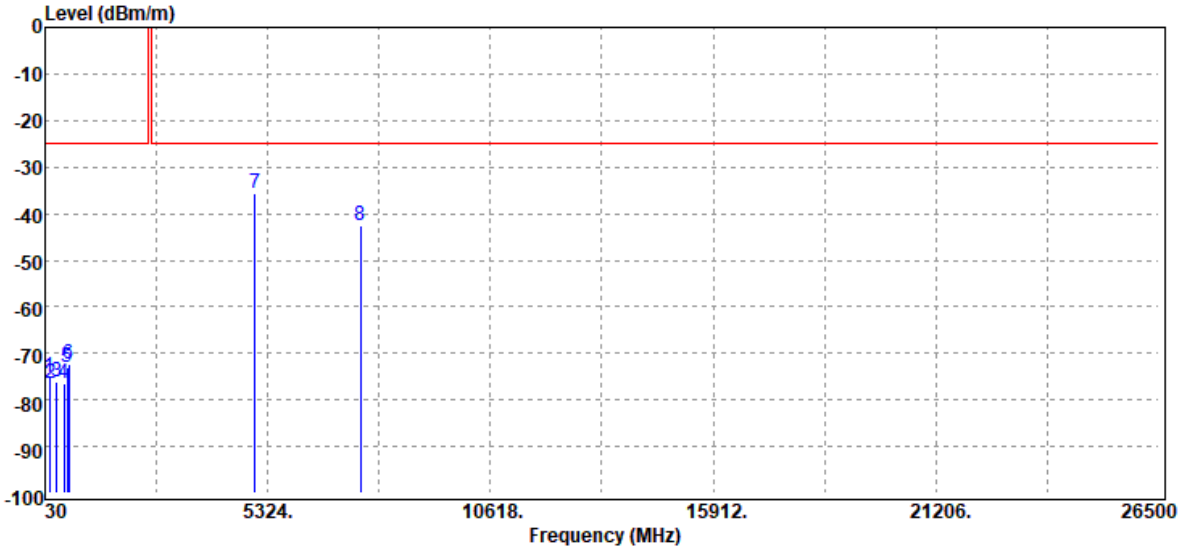
Radiated Spurious Emission Measurement Result: LTE Band 7 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2510 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
129.91	-75.20	-71.90	-2.13	-1.17	-25.00	-50.20
156.10	-76.54	-73.97	-1.36	-1.21	-25.00	-51.54
306.45	-76.05	-78.53	4.25	-1.77	-25.00	-51.05
487.84	-76.37	-78.37	4.29	-2.29	-25.00	-51.37
558.65	-73.05	-74.73	4.25	-2.57	-25.00	-48.05
587.75	-72.46	-73.61	3.81	-2.66	-25.00	-47.46
5020.00	-35.49	-40.30	12.34	-7.53	-25.00	-10.49
7530.00	-42.67	-44.43	11.06	-9.30	-25.00	-17.67

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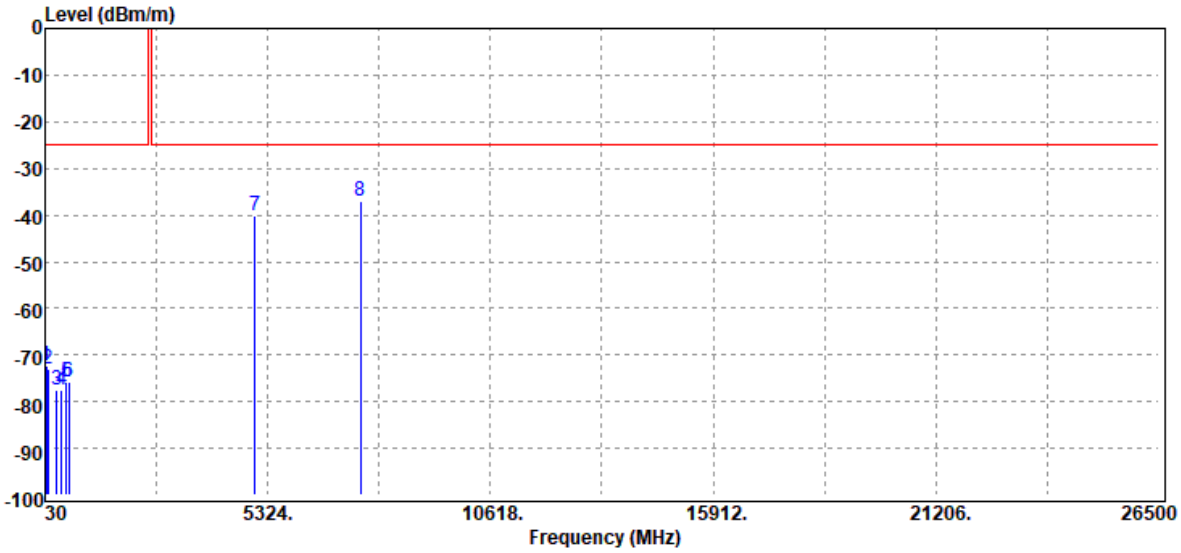
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2510 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-72.48	-59.85	-11.93	-0.70	-25.00	-47.48
100.81	-73.18	-71.33	-0.83	-1.02	-25.00	-48.18
306.45	-77.45	-79.93	4.25	-1.77	-25.00	-52.45
422.85	-77.50	-79.71	4.13	-1.92	-25.00	-52.50
536.34	-75.86	-77.94	4.30	-2.22	-25.00	-50.86
590.66	-75.73	-76.87	3.79	-2.65	-25.00	-50.73
5020.00	-40.06	-44.87	12.34	-7.53	-25.00	-15.06
7530.00	-37.14	-38.90	11.06	-9.30	-25.00	-12.14

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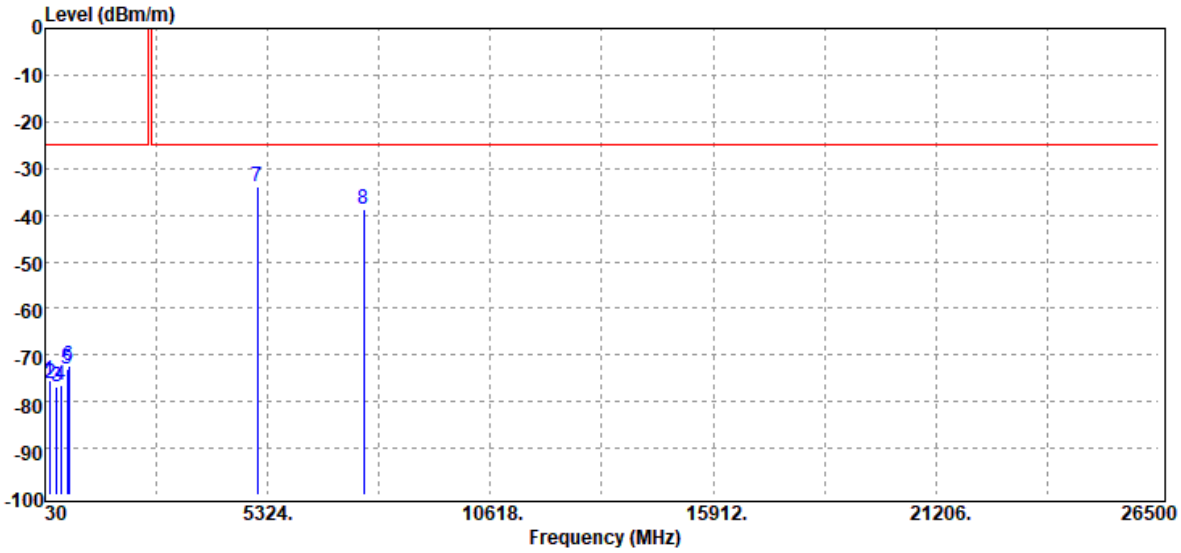
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2535 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
130.88	-75.48	-72.31	-1.99	-1.18	-25.00	-50.48
154.16	-76.00	-73.42	-1.39	-1.19	-25.00	-51.00
306.45	-76.74	-79.22	4.25	-1.77	-25.00	-51.74
408.30	-76.34	-78.85	4.40	-1.89	-25.00	-51.34
550.89	-73.02	-74.92	4.20	-2.30	-25.00	-48.02
595.51	-72.37	-73.48	3.76	-2.65	-25.00	-47.37
5070.00	-33.82	-38.09	12.10	-7.83	-25.00	-8.82
7605.00	-38.69	-40.29	11.21	-9.61	-25.00	-13.69

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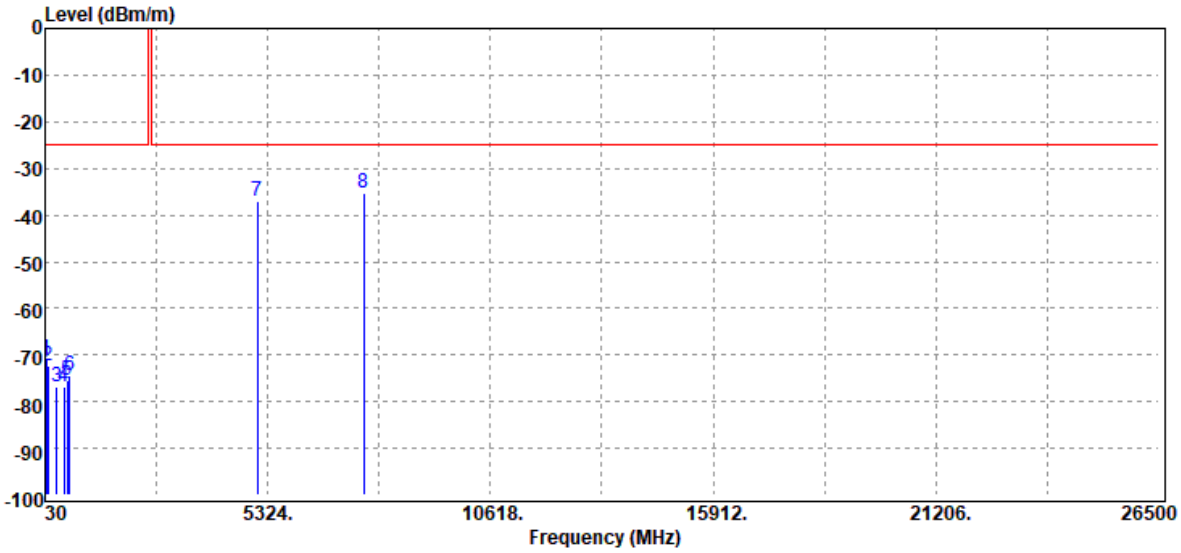
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2535 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-71.03	-58.40	-11.93	-0.70	-25.00	-46.03
100.81	-72.47	-70.62	-0.83	-1.02	-25.00	-47.47
306.45	-76.98	-79.46	4.25	-1.77	-25.00	-51.98
474.26	-76.74	-78.60	4.20	-2.34	-25.00	-51.74
548.95	-75.33	-77.24	4.19	-2.28	-25.00	-50.33
607.15	-74.51	-75.53	3.56	-2.54	-25.00	-49.51
5070.00	-37.11	-41.38	12.10	-7.83	-25.00	-12.11
7605.00	-35.47	-37.07	11.21	-9.61	-25.00	-10.47

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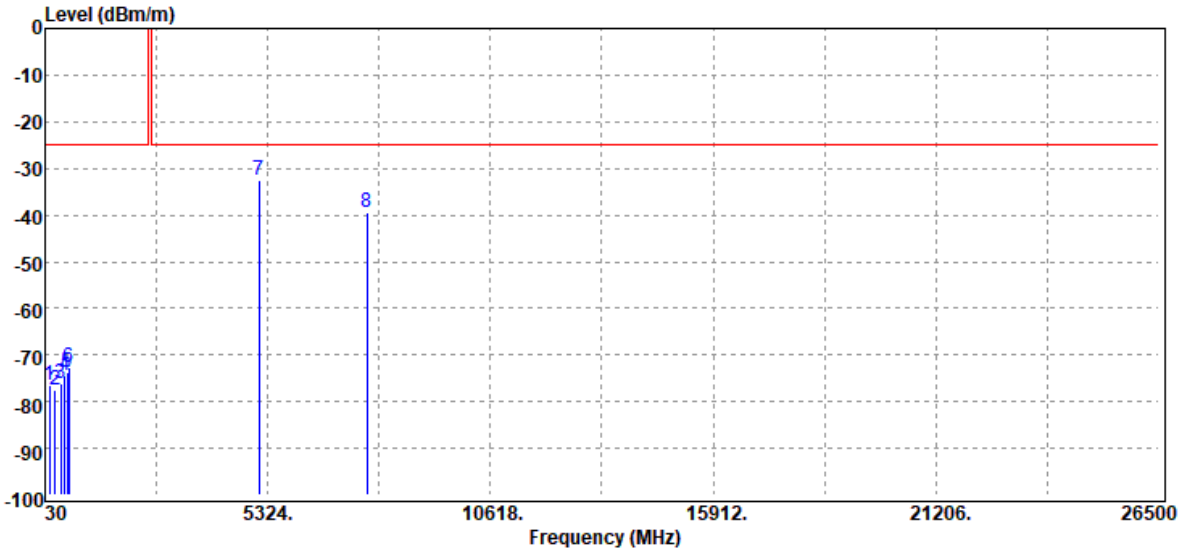
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2560 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
141.55	-76.33	-73.13	-1.91	-1.29	-25.00	-51.33
262.80	-77.49	-80.20	4.36	-1.65	-25.00	-52.49
406.36	-76.13	-78.54	4.36	-1.95	-25.00	-51.13
493.66	-74.30	-76.19	4.20	-2.31	-25.00	-49.30
553.80	-73.65	-75.50	4.25	-2.40	-25.00	-48.65
599.39	-72.56	-73.58	3.66	-2.64	-25.00	-47.56
5120.00	-32.52	-36.64	12.10	-7.98	-25.00	-7.52
7680.00	-39.60	-41.14	11.42	-9.88	-25.00	-14.60

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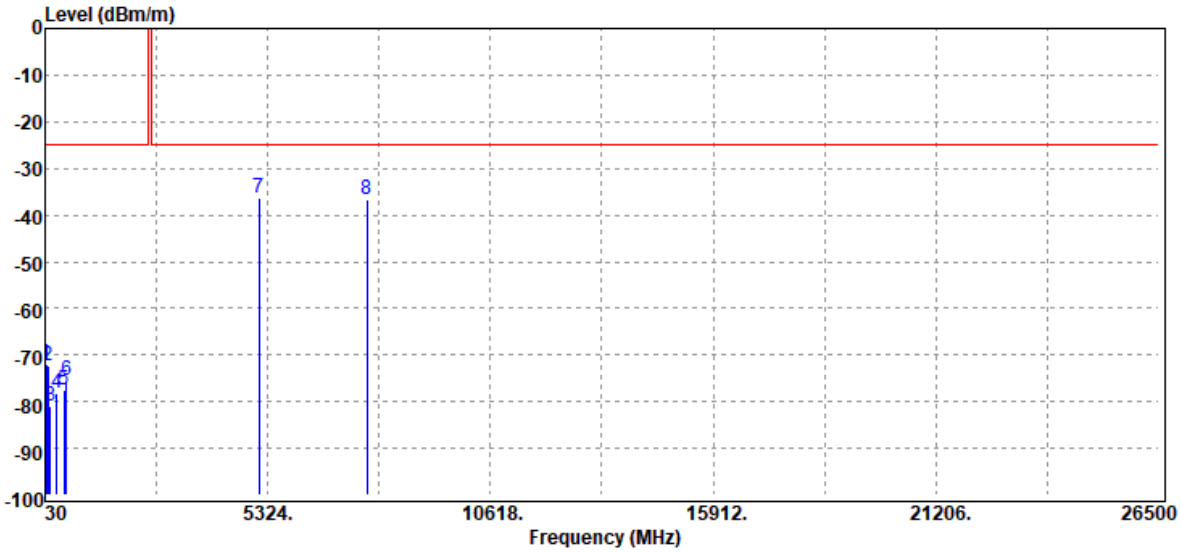
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B7	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2560 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-72.05	-59.42	-11.93	-0.70	-25.00	-47.05
100.81	-72.36	-70.51	-0.83	-1.02	-25.00	-47.36
146.40	-81.03	-78.09	-1.73	-1.21	-25.00	-56.03
306.45	-78.12	-80.60	4.25	-1.77	-25.00	-53.12
476.20	-77.34	-79.18	4.21	-2.37	-25.00	-52.34
531.49	-75.57	-77.73	4.19	-2.03	-25.00	-50.57
5120.00	-36.25	-40.37	12.10	-7.98	-25.00	-11.25
7680.00	-36.76	-38.30	11.42	-9.88	-25.00	-11.76

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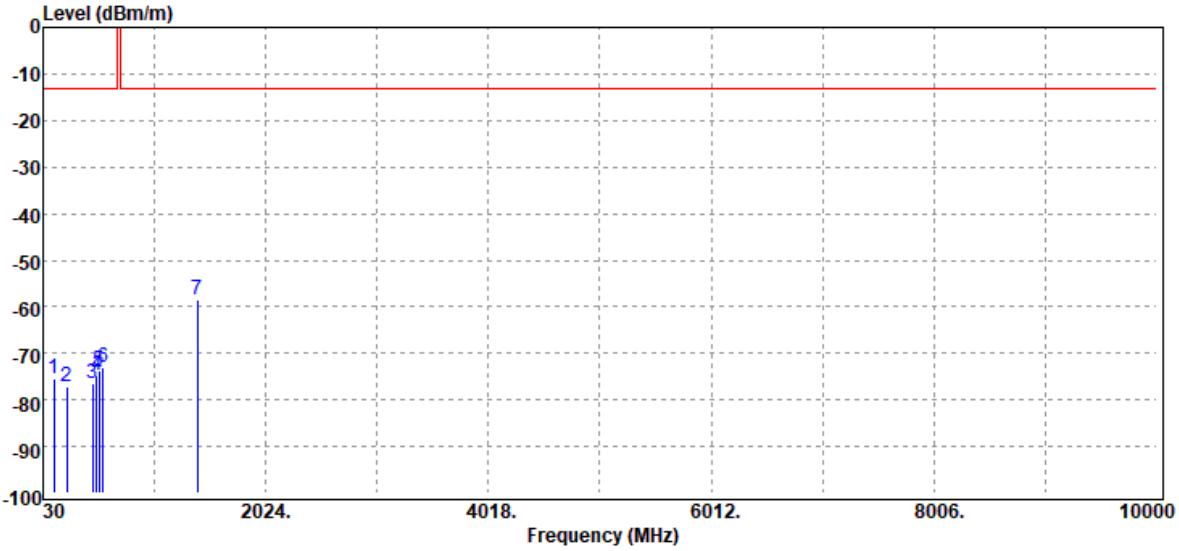
Radiated Spurious Emission Measurement Result: LTE Band 12 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:704 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
129.91	-75.54	-72.24	-2.13	-1.17	-13.00	-62.54
240.49	-77.24	-80.01	4.38	-1.61	-13.00	-64.24
471.35	-76.55	-78.41	4.15	-2.29	-13.00	-63.55
513.06	-74.74	-76.77	4.12	-2.09	-13.00	-61.74
529.55	-73.79	-75.97	4.17	-1.99	-13.00	-60.79
568.35	-73.10	-74.59	4.11	-2.62	-13.00	-60.10
1408.00	-58.50	-62.31	7.66	-3.85	-13.00	-45.50

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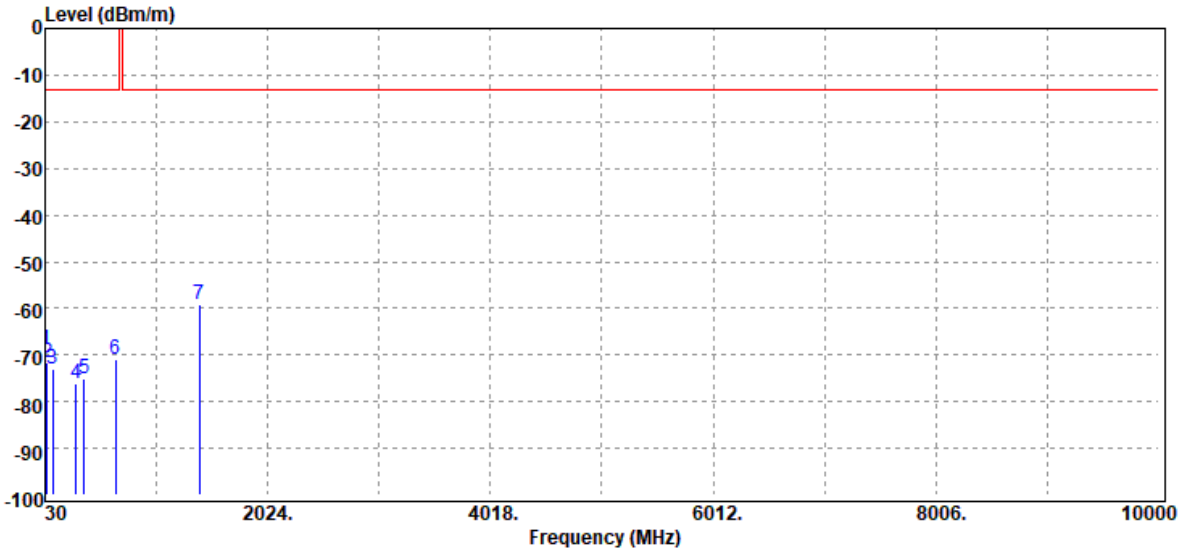
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:704 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-68.78	-54.41	-13.72	-0.65	-13.00	-55.78
49.40	-71.65	-59.02	-11.93	-0.70	-13.00	-58.65
100.81	-72.91	-71.06	-0.83	-1.02	-13.00	-59.91
306.45	-76.16	-78.64	4.25	-1.77	-13.00	-63.16
382.11	-75.20	-77.56	4.38	-2.02	-13.00	-62.20
658.56	-70.81	-72.08	3.65	-2.38	-13.00	-57.81
1408.00	-59.08	-62.89	7.66	-3.85	-13.00	-46.08

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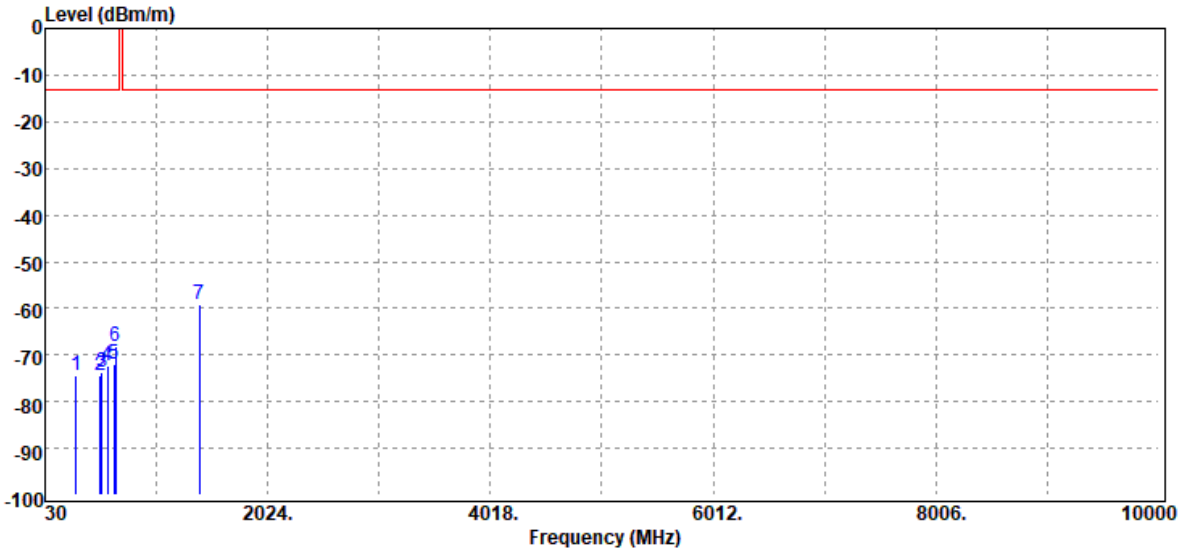
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:707.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
306.45	-74.35	-76.83	4.25	-1.77	-13.00	-61.35
526.64	-74.31	-76.44	4.18	-2.05	-13.00	-61.31
541.19	-73.56	-75.59	4.38	-2.35	-13.00	-60.56
589.69	-72.34	-73.49	3.80	-2.65	-13.00	-59.34
644.01	-71.94	-73.22	3.56	-2.28	-13.00	-58.94
659.53	-68.11	-69.39	3.66	-2.38	-13.00	-55.11
1415.00	-59.31	-63.17	7.72	-3.86	-13.00	-46.31

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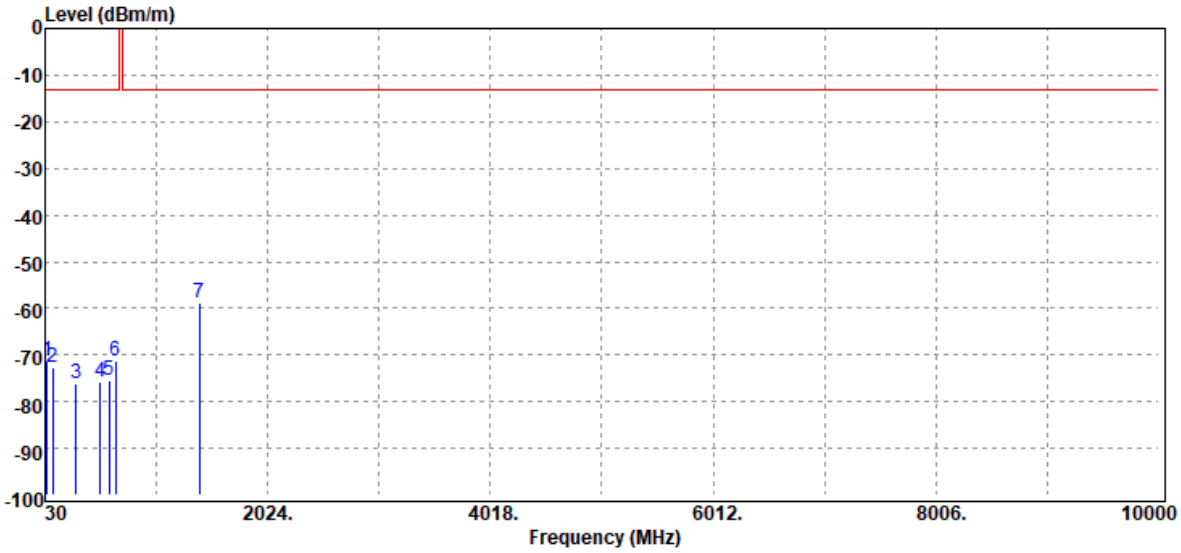
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:707.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-71.35	-58.72	-11.93	-0.70	-13.00	-58.35
100.81	-72.78	-70.93	-0.83	-1.02	-13.00	-59.78
306.45	-76.13	-78.61	4.25	-1.77	-13.00	-63.13
526.64	-75.85	-77.98	4.18	-2.05	-13.00	-62.85
605.21	-75.46	-76.50	3.61	-2.57	-13.00	-62.46
658.56	-71.16	-72.43	3.65	-2.38	-13.00	-58.16
1415.00	-58.76	-62.62	7.72	-3.86	-13.00	-45.76

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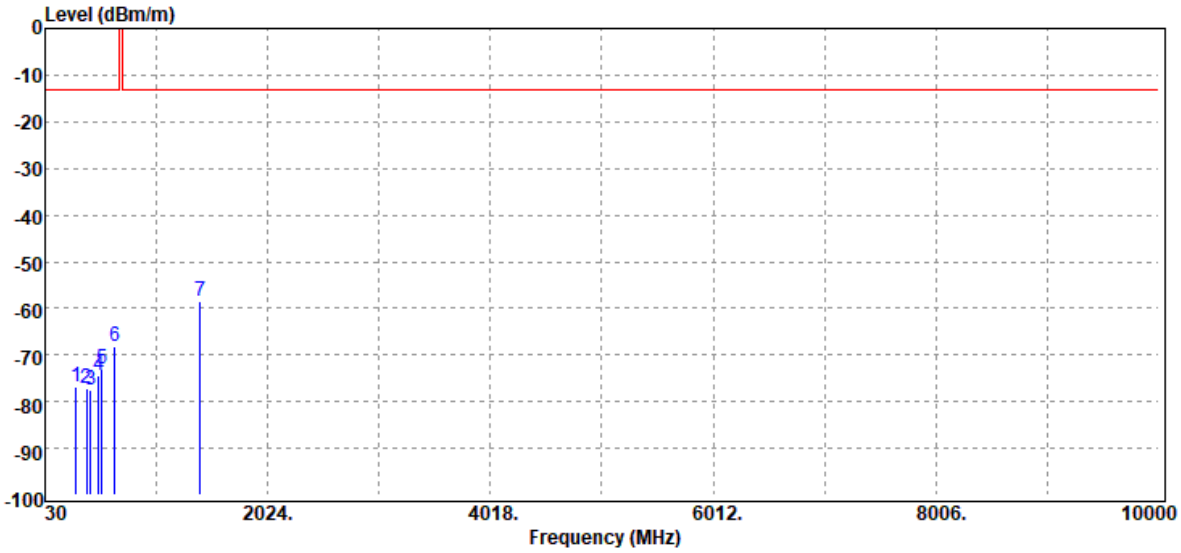
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:711 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
306.45	-76.95	-79.43	4.25	-1.77	-13.00	-63.95
403.45	-77.08	-79.38	4.33	-2.03	-13.00	-64.08
435.46	-77.67	-79.51	3.96	-2.12	-13.00	-64.67
513.06	-74.34	-76.37	4.12	-2.09	-13.00	-61.34
539.25	-73.02	-75.08	4.40	-2.34	-13.00	-60.02
657.59	-68.13	-69.38	3.64	-2.39	-13.00	-55.13
1422.00	-58.65	-62.56	7.78	-3.87	-13.00	-45.65

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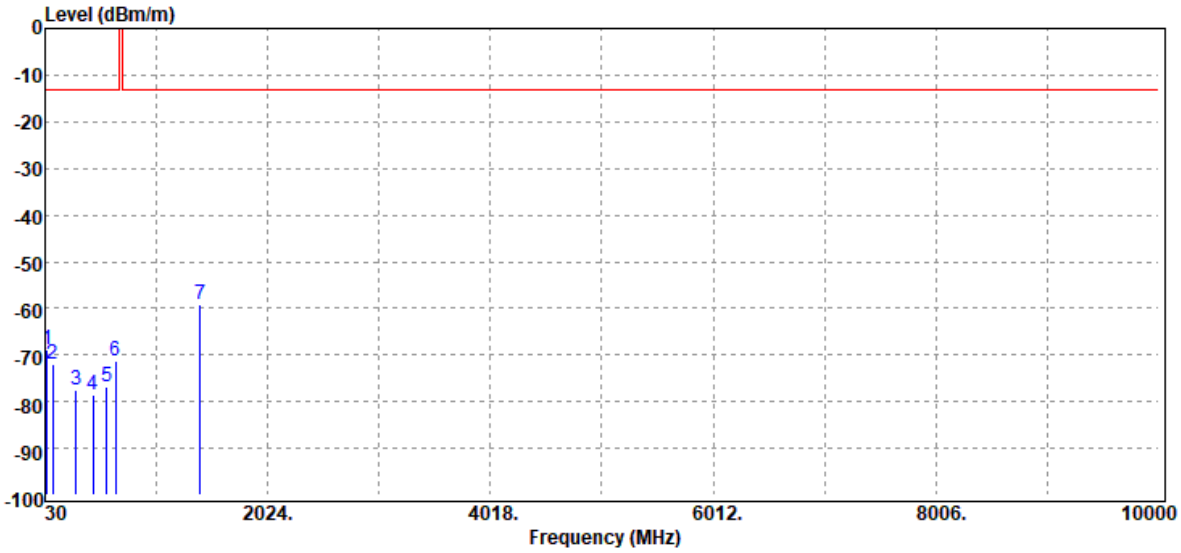
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B12	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:711 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.34	-68.84	-56.65	-11.48	-0.71	-13.00	-55.84
100.81	-71.86	-70.01	-0.83	-1.02	-13.00	-58.86
306.45	-77.41	-79.89	4.25	-1.77	-13.00	-64.41
455.83	-78.66	-80.51	4.14	-2.29	-13.00	-65.66
582.90	-76.77	-77.96	3.88	-2.69	-13.00	-63.77
659.53	-71.45	-72.73	3.66	-2.38	-13.00	-58.45
1422.00	-59.29	-63.20	7.78	-3.87	-13.00	-46.29

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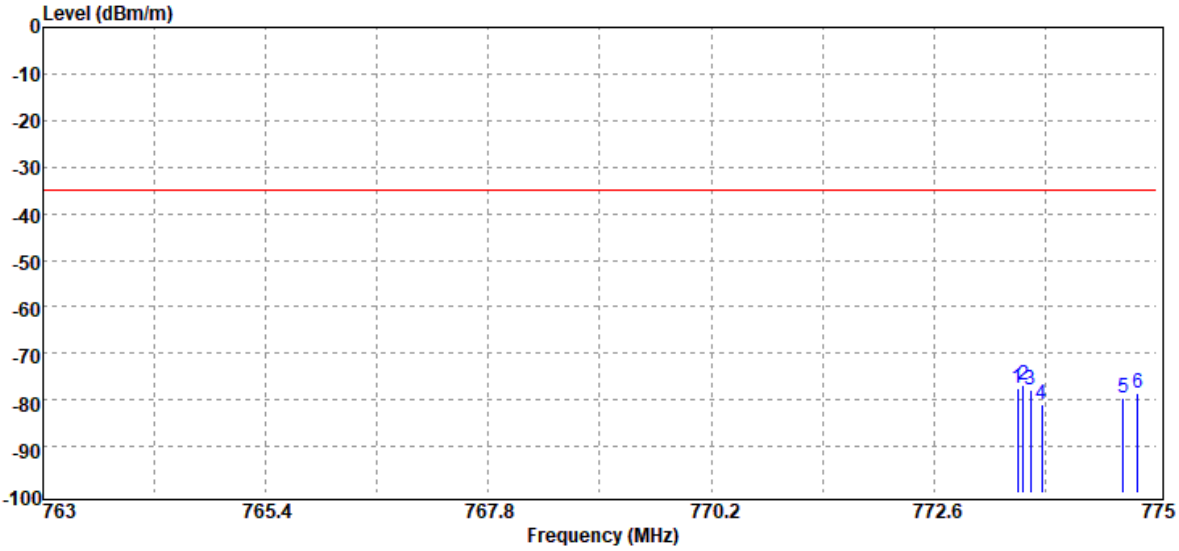
Radiated Spurious Emission Measurement Result: LTE Band 13 (763-775MHz) Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
773.50	-77.44	-77.59	3.15	-3.00	-35.00	-42.44
773.56	-76.76	-76.91	3.15	-3.00	-35.00	-41.76
773.64	-77.70	-77.85	3.15	-3.00	-35.00	-42.70
773.76	-80.80	-80.94	3.15	-3.01	-35.00	-45.80
774.64	-79.64	-79.79	3.16	-3.01	-35.00	-44.64
774.80	-78.43	-78.57	3.16	-3.02	-35.00	-43.43

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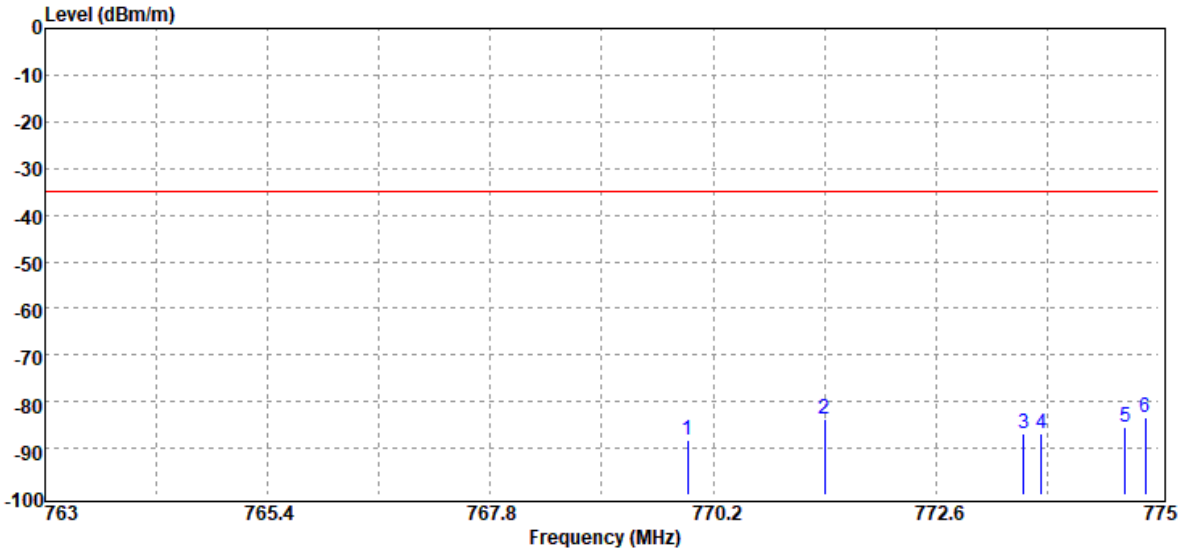
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
769.92	-88.31	-88.45	3.11	-2.97	-35.00	-53.31
771.40	-83.89	-84.04	3.13	-2.98	-35.00	-48.89
773.55	-86.74	-86.89	3.15	-3.00	-35.00	-51.74
773.74	-86.80	-86.94	3.15	-3.01	-35.00	-51.80
774.64	-85.30	-85.45	3.16	-3.01	-35.00	-50.30
774.86	-83.54	-83.68	3.16	-3.02	-35.00	-48.54

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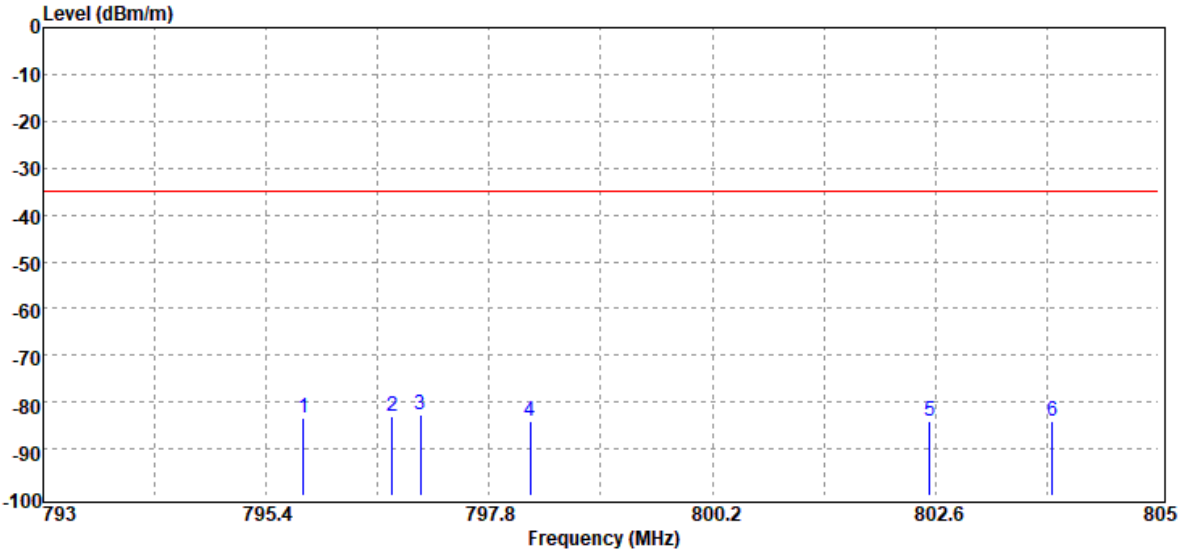
Radiated Spurious Emission Measurement Result: LTE Band 13 (793-805MHz) Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
795.80	-83.29	-84.07	3.91	-3.13	-35.00	-48.29
796.76	-83.20	-84.01	3.94	-3.13	-35.00	-48.20
797.06	-82.74	-83.56	3.95	-3.13	-35.00	-47.74
798.24	-84.25	-85.11	3.99	-3.13	-35.00	-49.25
802.54	-84.03	-85.04	4.12	-3.11	-35.00	-49.03
803.86	-83.98	-85.04	4.16	-3.10	-35.00	-48.98

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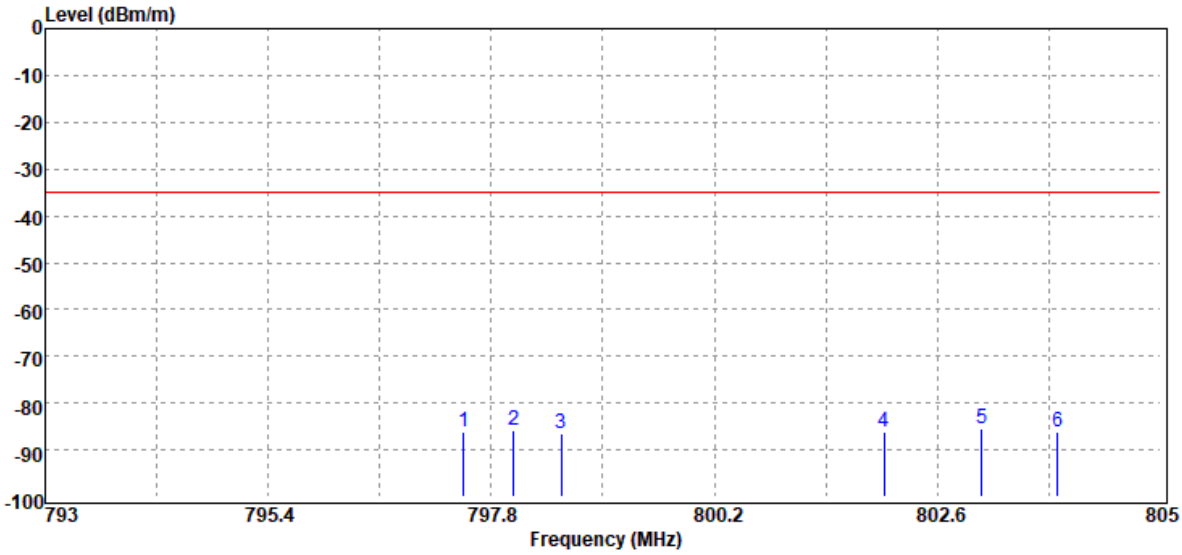
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-07
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
797.50	-86.06	-86.89	3.96	-3.13	-35.00	-51.06
798.04	-85.92	-86.77	3.98	-3.13	-35.00	-50.92
798.56	-86.53	-87.40	4.00	-3.13	-35.00	-51.53
802.02	-86.05	-87.03	4.10	-3.12	-35.00	-51.05
803.08	-85.48	-86.51	4.14	-3.11	-35.00	-50.48
803.90	-86.02	-87.08	4.16	-3.10	-35.00	-51.02

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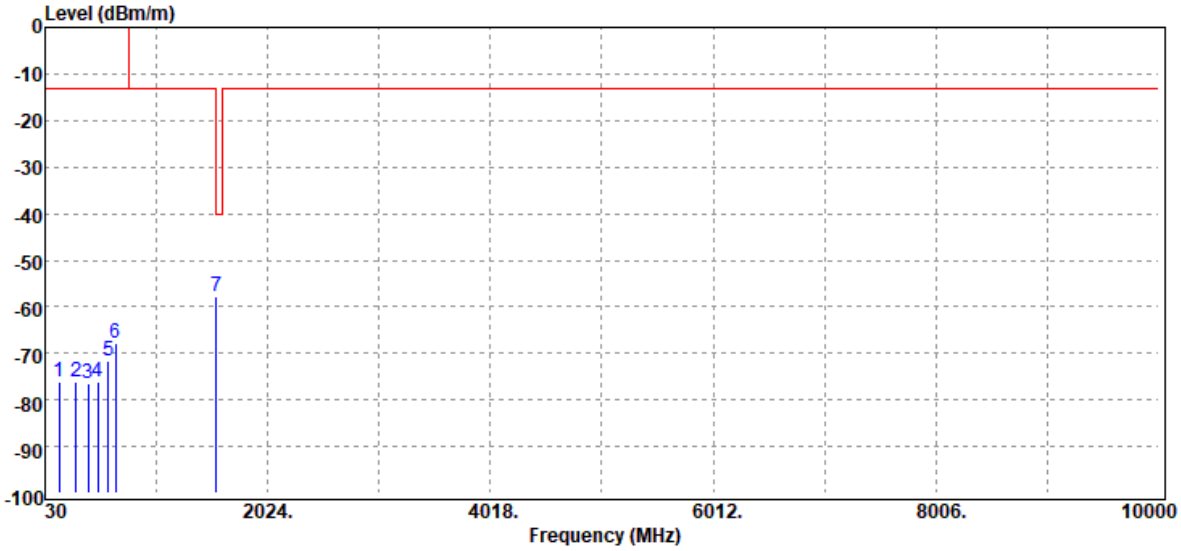
Radiated Spurious Emission Measurement Result: LTE Band 13 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
156.10	-75.97	-73.40	-1.36	-1.21	-13.00	-62.97
306.45	-76.28	-78.76	4.25	-1.77	-13.00	-63.28
413.15	-76.33	-78.85	4.38	-1.86	-13.00	-63.33
501.42	-76.06	-77.92	4.23	-2.37	-13.00	-63.06
594.54	-71.50	-72.62	3.77	-2.65	-13.00	-58.50
659.53	-67.77	-69.05	3.66	-2.38	-13.00	-54.77
1564.00	-57.65	-62.73	9.18	-4.10	-40.00	-17.65

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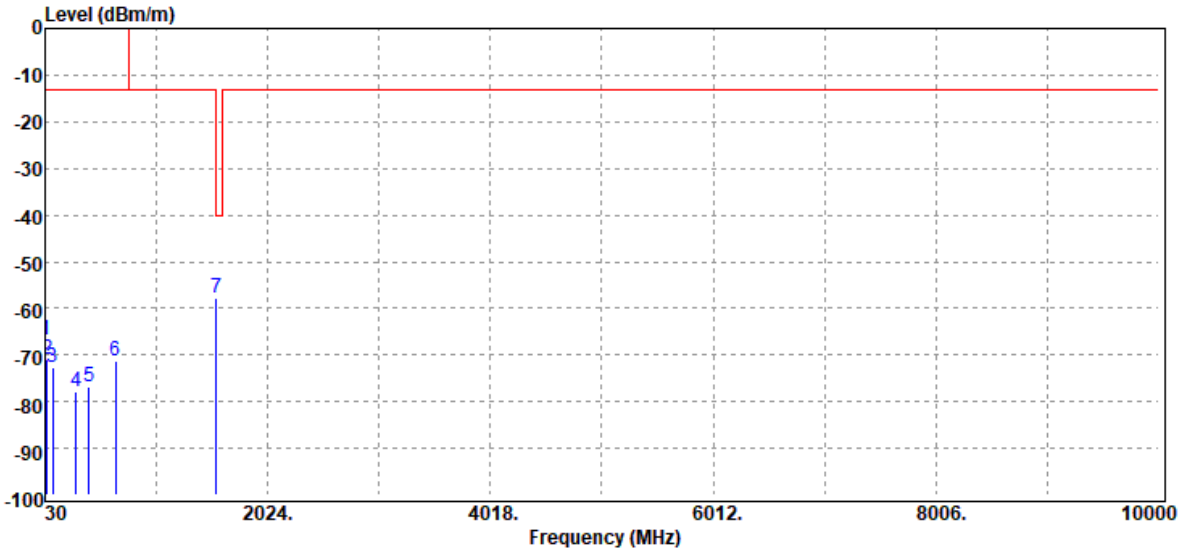
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B13	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:782 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-66.87	-52.50	-13.72	-0.65	-13.00	-53.87
48.43	-71.11	-58.28	-12.13	-0.70	-13.00	-58.11
100.81	-72.78	-70.93	-0.83	-1.02	-13.00	-59.78
304.51	-77.76	-80.25	4.26	-1.77	-13.00	-64.76
420.91	-76.92	-79.23	4.21	-1.90	-13.00	-63.92
660.50	-71.20	-72.47	3.68	-2.41	-13.00	-58.20
1564.00	-57.80	-62.88	9.18	-4.10	-40.00	-17.80

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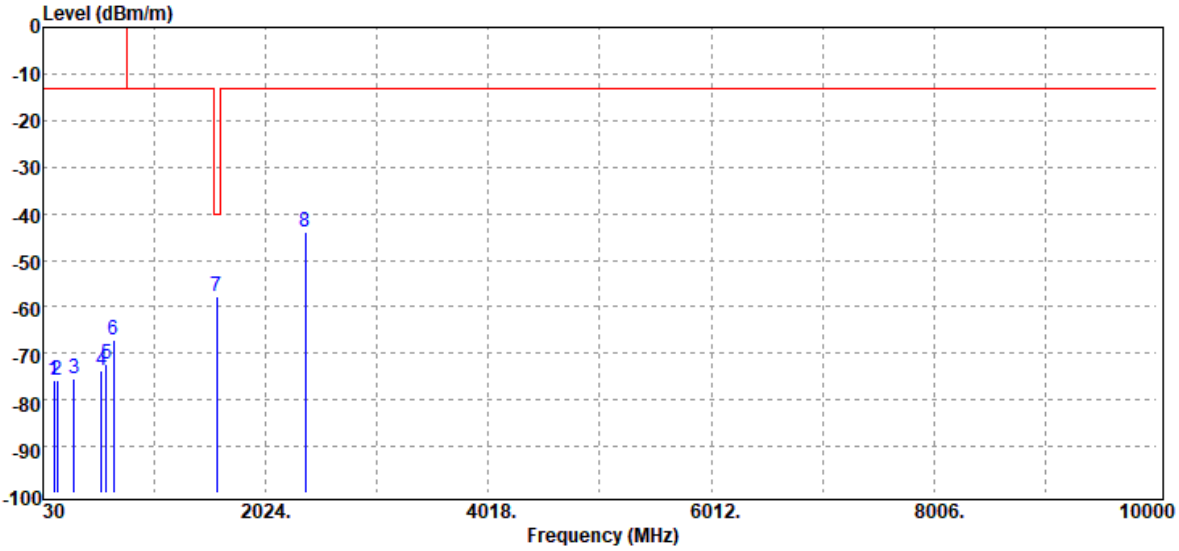
Radiated Spurious Emission Measurement Result: LTE Band 14 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B14	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:793 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
129.91	-75.75	-72.45	-2.13	-1.17	-13.00	-62.75
154.16	-75.88	-73.30	-1.39	-1.19	-13.00	-62.88
306.45	-75.27	-77.75	4.25	-1.77	-13.00	-62.27
553.80	-73.74	-75.59	4.25	-2.40	-13.00	-60.74
599.39	-72.17	-73.19	3.66	-2.64	-13.00	-59.17
660.50	-67.19	-68.46	3.68	-2.41	-13.00	-54.19
1586.00	-57.73	-62.90	9.32	-4.15	-40.00	-17.73
2379.00	-43.86	-48.68	9.89	-5.07	-13.00	-30.86

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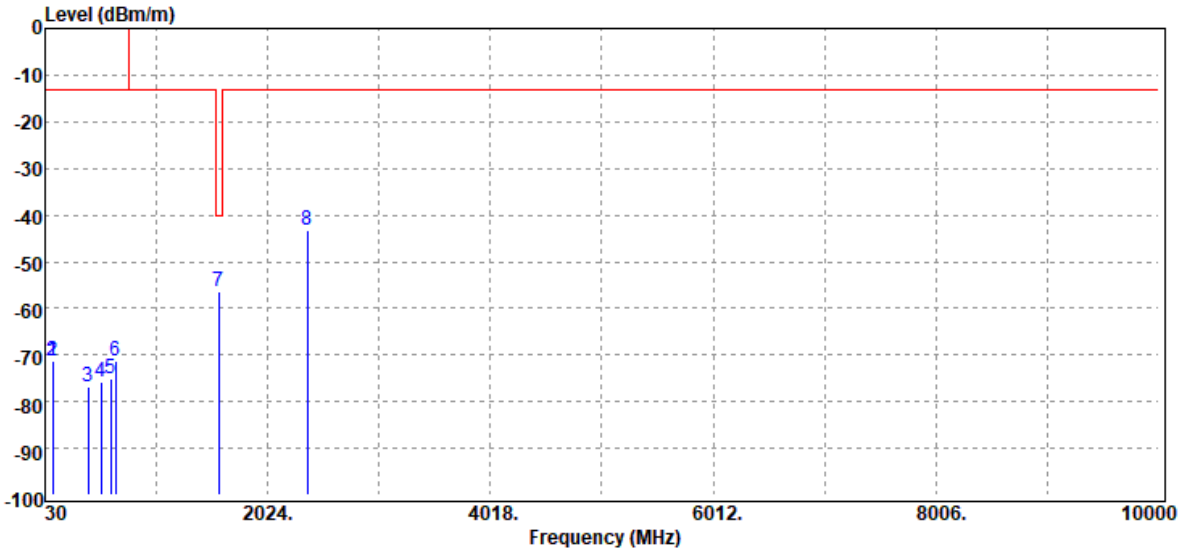
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B14	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:793 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-71.40	-69.55	-0.83	-1.02	-13.00	-58.40
100.81	-71.40	-69.55	-0.83	-1.02	-13.00	-58.40
413.15	-76.80	-79.32	4.38	-1.86	-13.00	-63.80
532.46	-75.80	-77.94	4.21	-2.07	-13.00	-62.80
614.91	-75.11	-76.17	3.46	-2.40	-13.00	-62.11
658.56	-71.20	-72.47	3.65	-2.38	-13.00	-58.20
1586.00	-56.56	-61.73	9.32	-4.15	-40.00	-16.56
2379.00	-43.12	-47.94	9.89	-5.07	-13.00	-30.12

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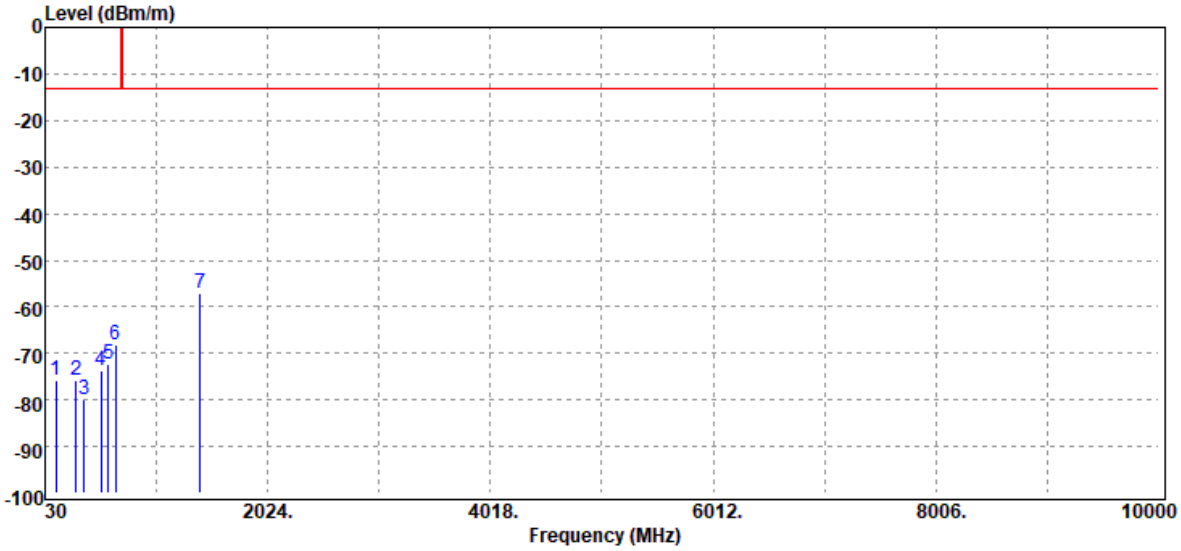
Radiated Spurious Emission Measurement Result: LTE Band 17 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:709 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
127.00	-75.80	-72.60	-2.04	-1.16	-13.00	-62.80
306.45	-75.87	-78.35	4.25	-1.77	-13.00	-62.87
381.14	-79.86	-82.22	4.38	-2.02	-13.00	-66.86
532.46	-73.73	-75.87	4.21	-2.07	-13.00	-60.73
599.39	-72.23	-73.25	3.66	-2.64	-13.00	-59.23
659.53	-68.19	-69.47	3.66	-2.38	-13.00	-55.19
1418.00	-57.05	-60.93	7.75	-3.87	-13.00	-44.05

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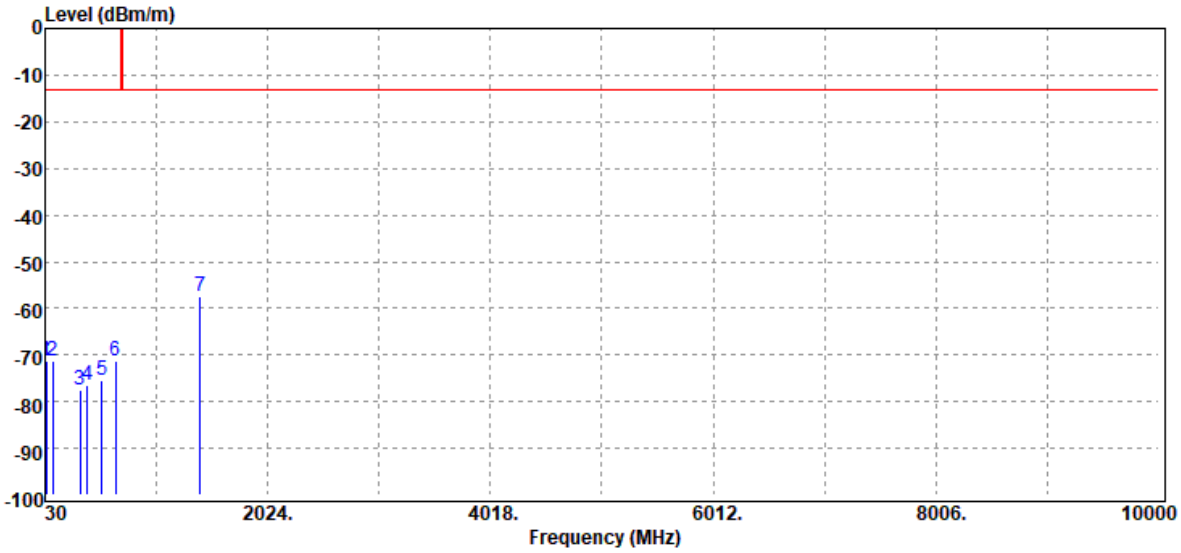
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:709 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-71.23	-56.91	-13.66	-0.66	-13.00	-58.23
100.81	-71.35	-69.50	-0.83	-1.02	-13.00	-58.35
345.25	-77.67	-80.14	4.44	-1.97	-13.00	-64.67
408.30	-76.45	-78.96	4.40	-1.89	-13.00	-63.45
541.19	-75.56	-77.59	4.38	-2.35	-13.00	-62.56
659.53	-71.15	-72.43	3.66	-2.38	-13.00	-58.15
1418.00	-57.37	-61.25	7.75	-3.87	-13.00	-44.37

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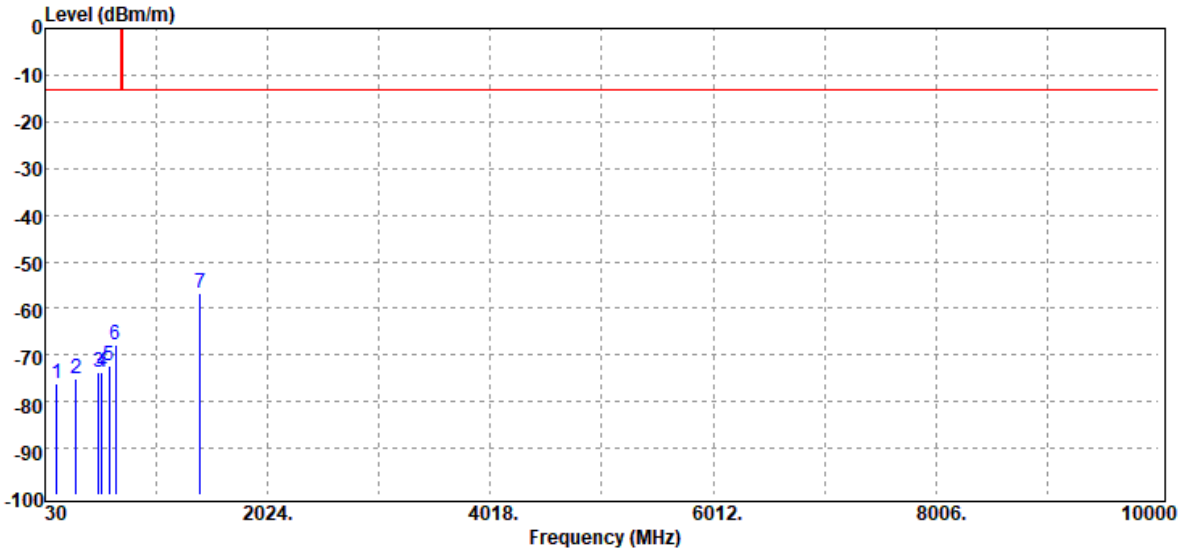
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:710 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
131.85	-76.11	-72.82	-2.09	-1.20	-13.00	-63.11
306.45	-75.06	-77.54	4.25	-1.77	-13.00	-62.06
508.21	-73.80	-75.83	4.14	-2.11	-13.00	-60.80
542.16	-73.58	-75.57	4.33	-2.34	-13.00	-60.58
605.21	-72.39	-73.43	3.61	-2.57	-13.00	-59.39
658.56	-67.80	-69.07	3.65	-2.38	-13.00	-54.80
1420.00	-56.62	-60.51	7.76	-3.87	-13.00	-43.62

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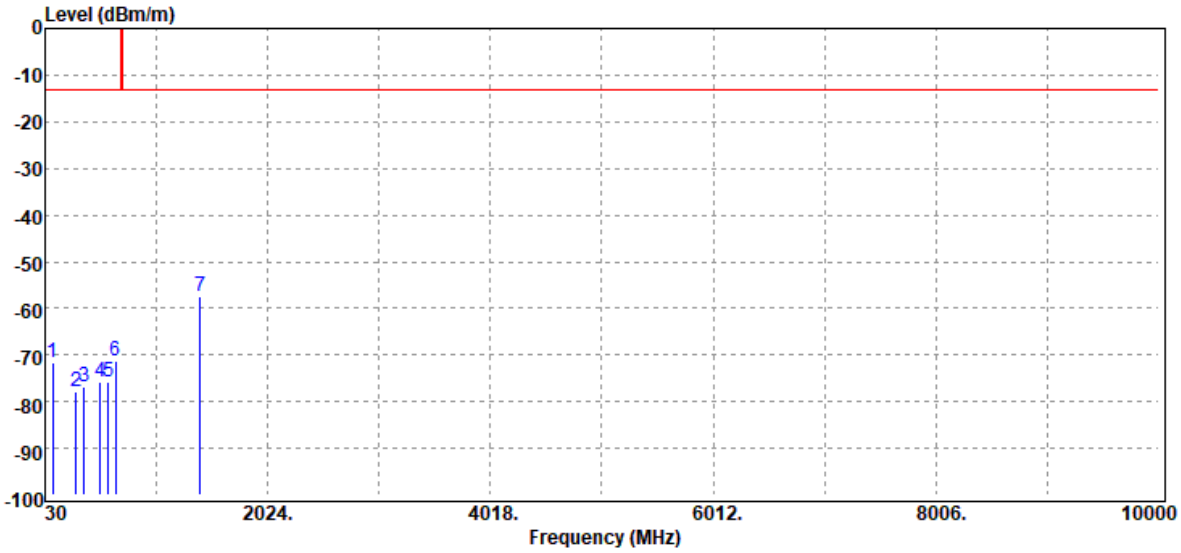
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:710 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-71.63	-69.78	-0.83	-1.02	-13.00	-58.63
306.45	-77.97	-80.45	4.25	-1.77	-13.00	-64.97
382.11	-76.97	-79.33	4.38	-2.02	-13.00	-63.97
522.76	-75.88	-77.89	4.15	-2.14	-13.00	-62.88
597.45	-75.74	-76.80	3.71	-2.65	-13.00	-62.74
660.50	-71.13	-72.40	3.68	-2.41	-13.00	-58.13
1420.00	-57.60	-61.49	7.76	-3.87	-13.00	-44.60

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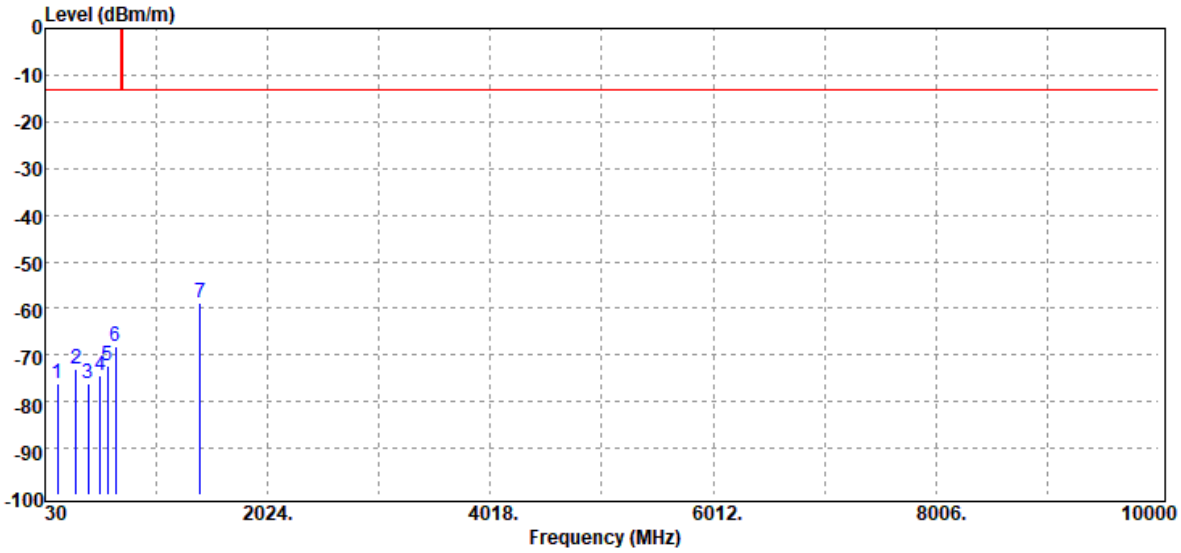
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:711 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
139.61	-76.29	-72.95	-2.02	-1.32	-13.00	-63.29
306.45	-73.05	-75.53	4.25	-1.77	-13.00	-60.05
415.09	-76.03	-78.50	4.34	-1.87	-13.00	-63.03
524.70	-74.42	-76.50	4.18	-2.10	-13.00	-61.42
590.66	-72.31	-73.45	3.79	-2.65	-13.00	-59.31
660.50	-68.29	-69.56	3.68	-2.41	-13.00	-55.29
1422.00	-58.75	-62.66	7.78	-3.87	-13.00	-45.75

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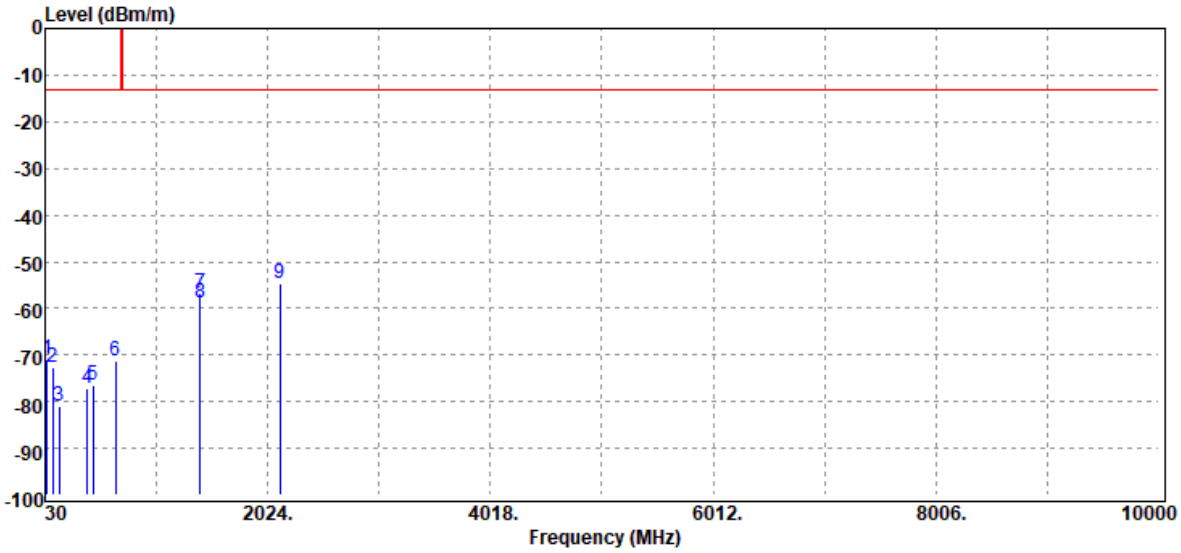
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B17	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:711 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-70.93	-57.84	-12.39	-0.70	-13.00	-57.93
100.81	-72.66	-70.81	-0.83	-1.02	-13.00	-59.66
159.01	-81.04	-78.51	-1.29	-1.24	-13.00	-68.04
408.30	-77.31	-79.82	4.40	-1.89	-13.00	-64.31
458.74	-76.37	-78.16	4.14	-2.35	-13.00	-63.37
659.53	-71.29	-72.57	3.66	-2.38	-13.00	-58.29
1422.00	-56.87	-60.78	7.78	-3.87	-13.00	-43.87
1422.00	-58.77	-62.68	7.78	-3.87	-13.00	-45.77
2133.00	-54.77	-59.46	9.50	-4.81	-13.00	-41.77

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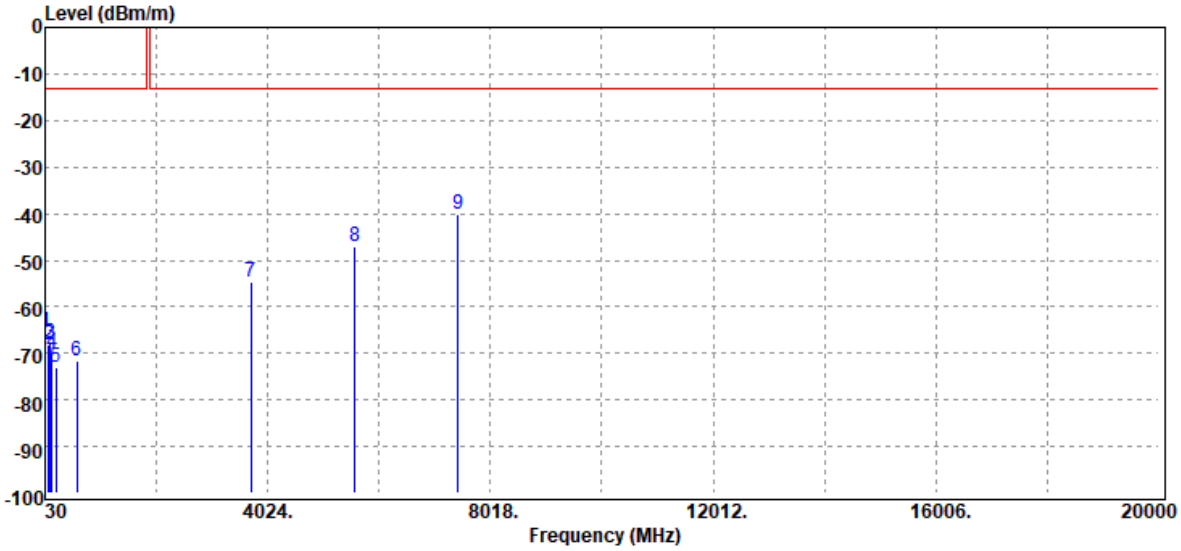
Radiated Spurious Emission Measurement Result: LTE Band 25 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1860 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.64	-65.43	-51.45	-13.29	-0.69	-13.00	-52.43
99.84	-68.10	-66.30	-0.79	-1.01	-13.00	-55.10
127.00	-67.71	-64.51	-2.04	-1.16	-13.00	-54.71
157.07	-69.73	-67.12	-1.39	-1.22	-13.00	-56.73
228.85	-72.88	-76.16	4.86	-1.58	-13.00	-59.88
599.39	-71.50	-72.52	3.66	-2.64	-13.00	-58.50
3720.00	-54.66	-59.44	12.34	-7.56	-13.00	-41.66
5580.00	-47.22	-50.76	12.96	-9.42	-13.00	-34.22
7440.00	-40.04	-41.90	10.92	-9.06	-13.00	-27.04

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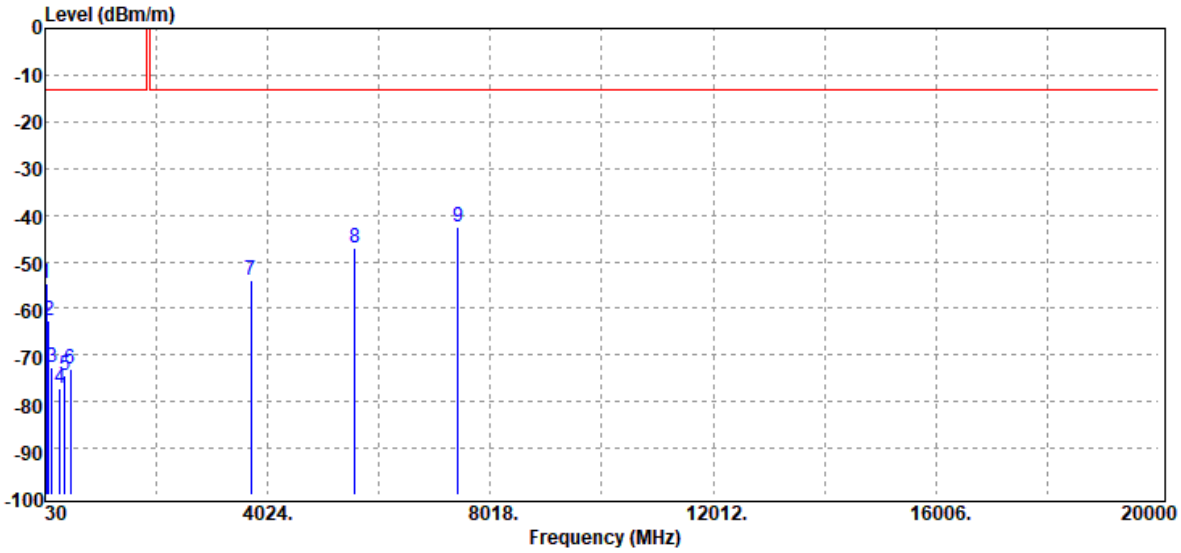
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1860 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-54.74	-42.11	-11.93	-0.70	-13.00	-41.74
100.81	-62.58	-60.73	-0.83	-1.02	-13.00	-49.58
153.19	-72.56	-69.96	-1.42	-1.18	-13.00	-59.56
304.51	-77.05	-79.54	4.26	-1.77	-13.00	-64.05
382.11	-74.53	-76.89	4.38	-2.02	-13.00	-61.53
487.84	-72.92	-74.92	4.29	-2.29	-13.00	-59.92
3720.00	-54.02	-58.80	12.34	-7.56	-13.00	-41.02
5580.00	-47.18	-50.72	12.96	-9.42	-13.00	-34.18
7440.00	-42.39	-44.25	10.92	-9.06	-13.00	-29.39

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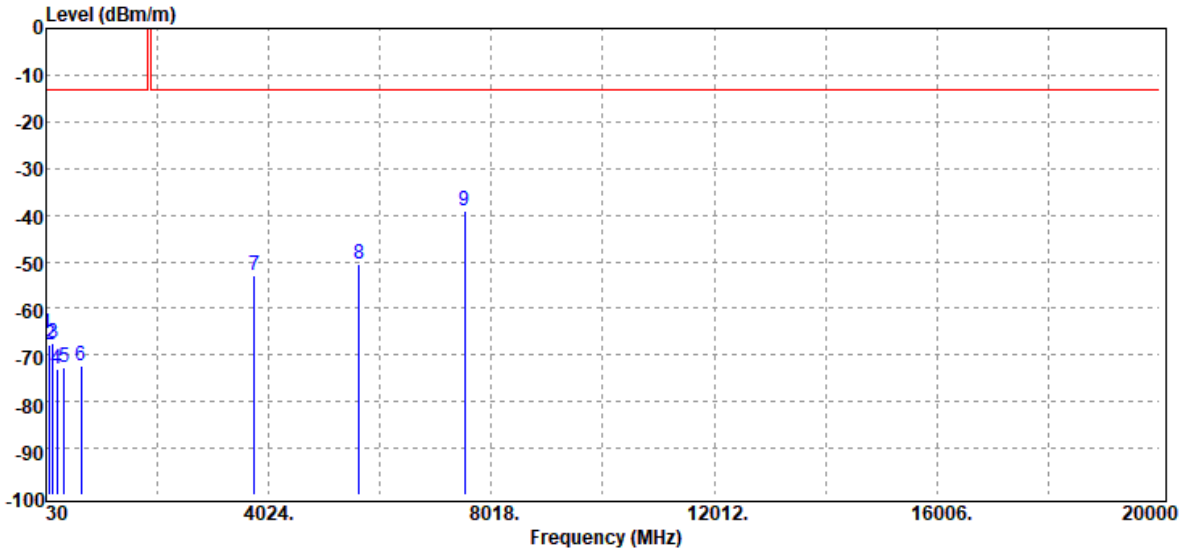
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1882.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
38.73	-65.50	-51.30	-13.53	-0.67	-13.00	-52.50
97.90	-67.85	-66.24	-0.60	-1.01	-13.00	-54.85
153.19	-67.46	-64.86	-1.42	-1.18	-13.00	-54.46
228.85	-72.85	-76.13	4.86	-1.58	-13.00	-59.85
353.01	-72.59	-75.10	4.52	-2.01	-13.00	-59.59
658.56	-72.22	-73.49	3.65	-2.38	-13.00	-59.22
3765.00	-52.78	-57.54	12.40	-7.64	-13.00	-39.78
5647.50	-50.55	-54.34	13.00	-9.21	-13.00	-37.55
7530.00	-38.95	-40.71	11.06	-9.30	-13.00	-25.95

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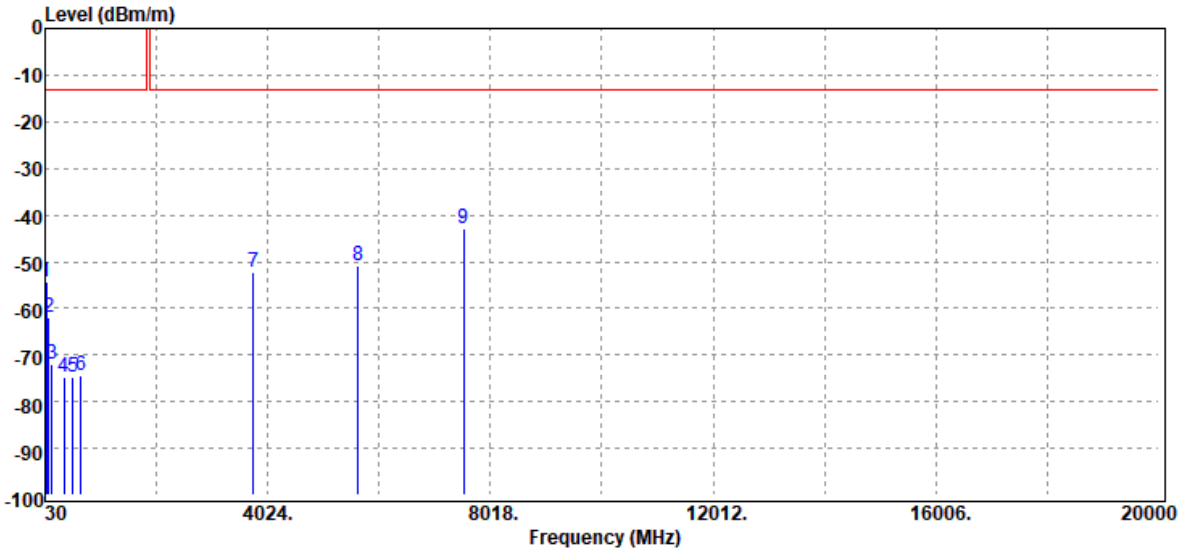
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1882.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-54.21	-41.58	-11.93	-0.70	-13.00	-41.21
100.81	-61.77	-59.92	-0.83	-1.02	-13.00	-48.77
149.31	-71.83	-69.04	-1.64	-1.15	-13.00	-58.83
364.65	-74.91	-77.38	4.43	-1.96	-13.00	-61.91
524.70	-74.63	-76.71	4.18	-2.10	-13.00	-61.63
675.05	-74.45	-75.31	3.87	-3.01	-13.00	-61.45
3765.00	-52.35	-57.11	12.40	-7.64	-13.00	-39.35
5647.50	-50.85	-54.64	13.00	-9.21	-13.00	-37.85
7530.00	-42.91	-44.67	11.06	-9.30	-13.00	-29.91

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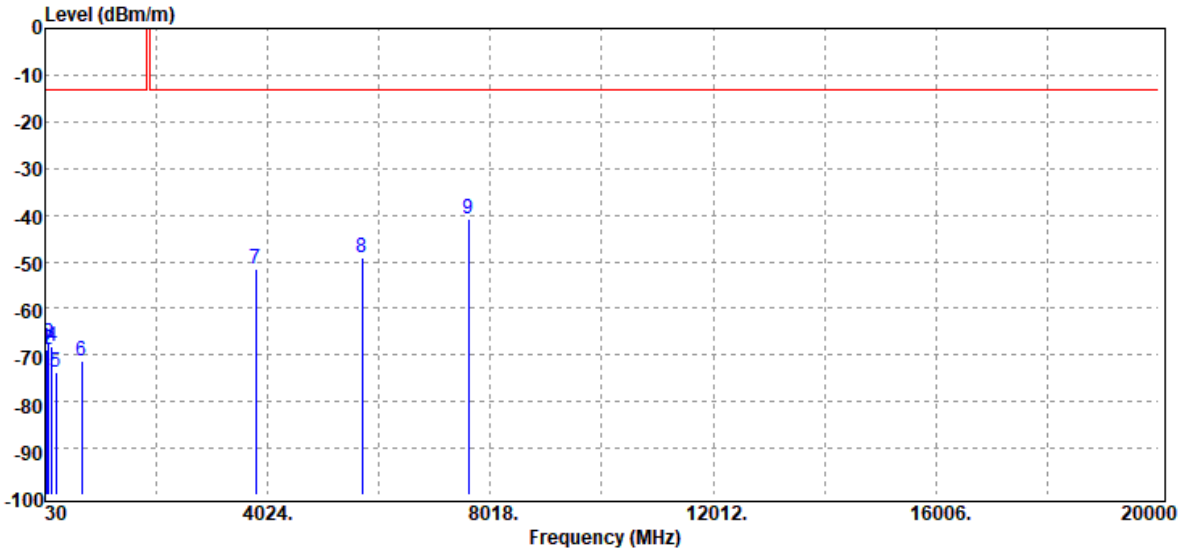
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1905 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
43.58	-68.64	-54.93	-13.02	-0.69	-13.00	-55.64
61.04	-68.74	-58.69	-9.30	-0.75	-13.00	-55.74
99.84	-67.35	-65.55	-0.79	-1.01	-13.00	-54.35
146.40	-68.03	-65.09	-1.73	-1.21	-13.00	-55.03
228.85	-73.56	-76.84	4.86	-1.58	-13.00	-60.56
682.81	-71.23	-72.14	3.81	-2.90	-13.00	-58.23
3810.00	-51.66	-56.37	12.38	-7.67	-13.00	-38.66
5715.00	-49.27	-53.00	12.80	-9.07	-13.00	-36.27
7620.00	-40.92	-42.50	11.24	-9.66	-13.00	-27.92

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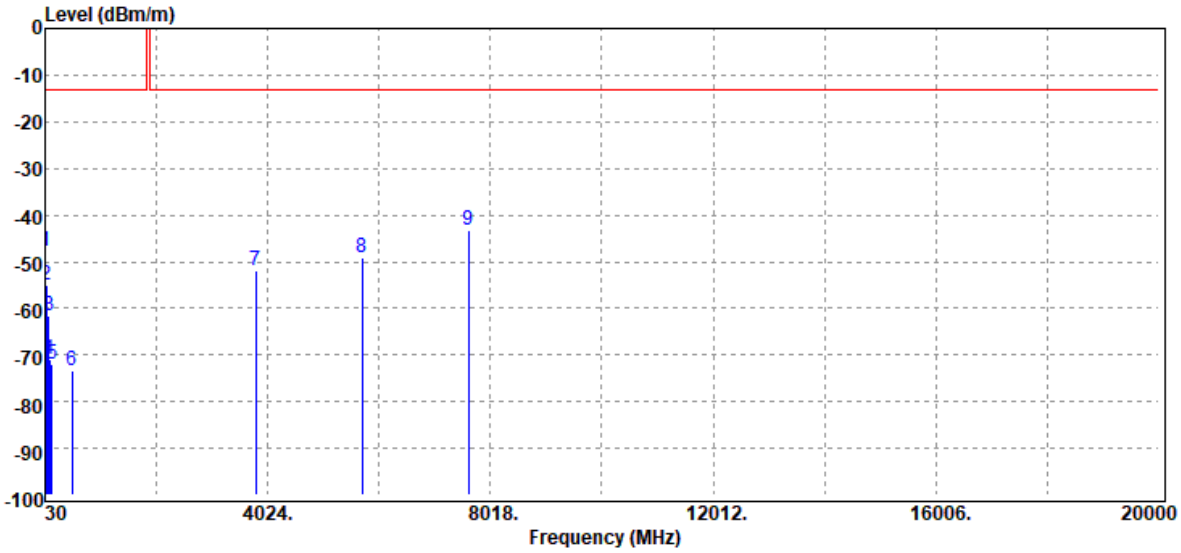
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B25	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1905 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-47.67	-33.30	-13.72	-0.65	-13.00	-34.67
49.40	-55.10	-42.47	-11.93	-0.70	-13.00	-42.10
100.81	-61.74	-59.89	-0.83	-1.02	-13.00	-48.74
115.36	-70.94	-68.13	-1.71	-1.10	-13.00	-57.94
151.25	-72.02	-69.31	-1.55	-1.16	-13.00	-59.02
515.00	-73.43	-75.43	4.12	-2.12	-13.00	-60.43
3810.00	-52.07	-56.78	12.38	-7.67	-13.00	-39.07
5715.00	-49.09	-52.82	12.80	-9.07	-13.00	-36.09
7620.00	-43.20	-44.78	11.24	-9.66	-13.00	-30.20

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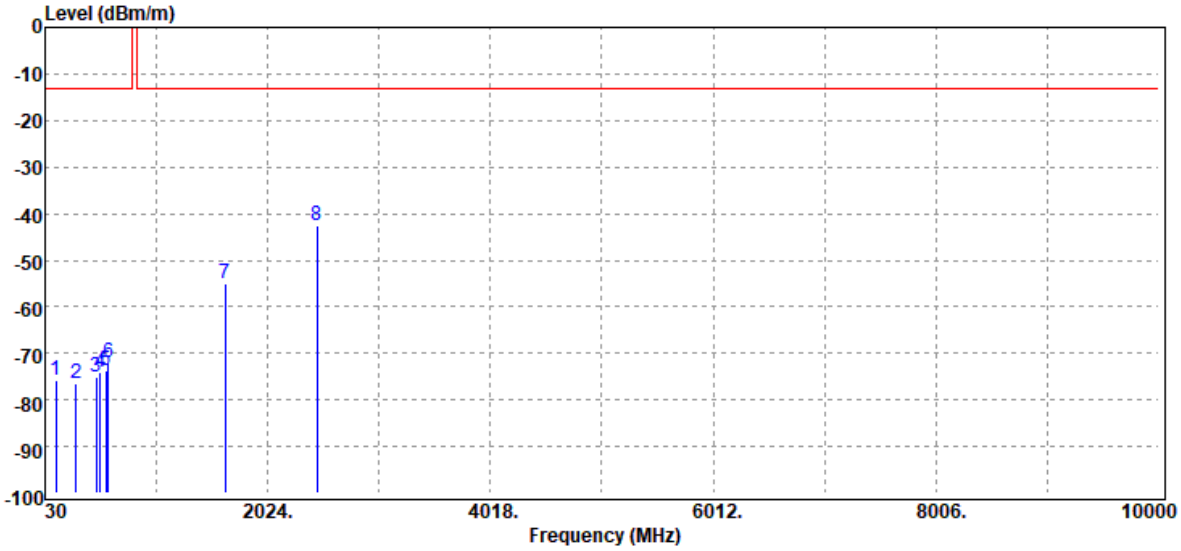
Radiated Spurious Emission Measurement Result: LTE Band 26 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:821.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
129.91	-75.64	-72.34	-2.13	-1.17	-13.00	-62.64
304.51	-76.43	-78.92	4.26	-1.77	-13.00	-63.43
490.75	-75.19	-77.20	4.27	-2.26	-13.00	-62.19
524.70	-74.18	-76.26	4.18	-2.10	-13.00	-61.18
575.14	-73.86	-75.17	3.97	-2.66	-13.00	-60.86
599.39	-71.89	-72.91	3.66	-2.64	-13.00	-58.89
1643.00	-54.96	-60.20	9.49	-4.25	-13.00	-41.96
2464.50	-42.48	-47.85	10.53	-5.16	-13.00	-29.48

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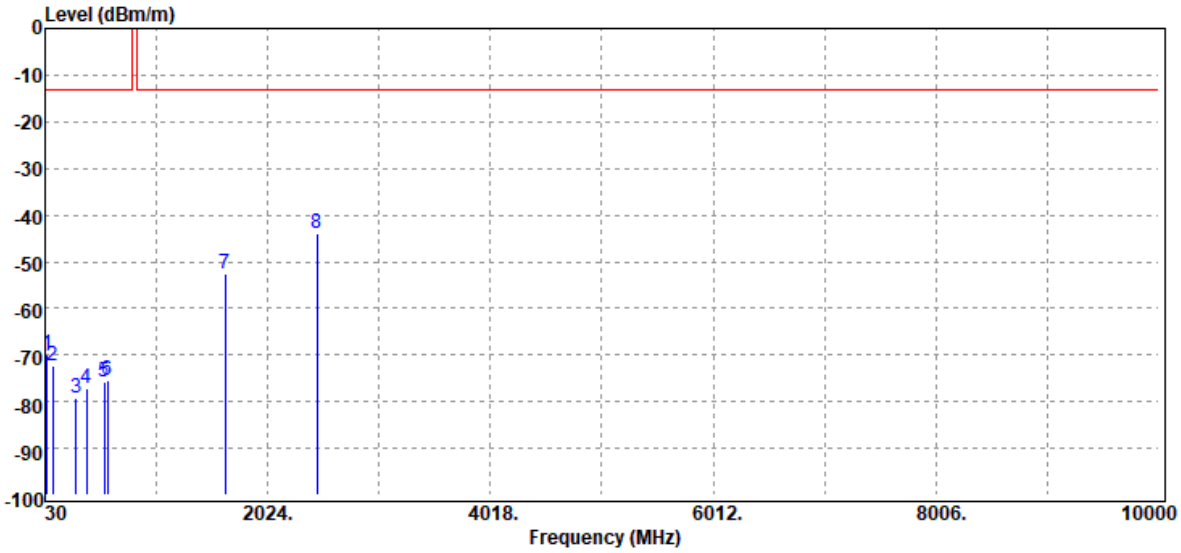
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:821.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-70.04	-56.95	-12.39	-0.70	-13.00	-57.04
100.81	-72.24	-70.39	-0.83	-1.02	-13.00	-59.24
306.45	-79.24	-81.72	4.25	-1.77	-13.00	-66.24
403.45	-77.27	-79.57	4.33	-2.03	-13.00	-64.27
561.56	-75.82	-77.41	4.21	-2.62	-13.00	-62.82
589.69	-75.43	-76.58	3.80	-2.65	-13.00	-62.43
1643.00	-52.63	-57.87	9.49	-4.25	-13.00	-39.63
2464.50	-44.06	-49.43	10.53	-5.16	-13.00	-31.06

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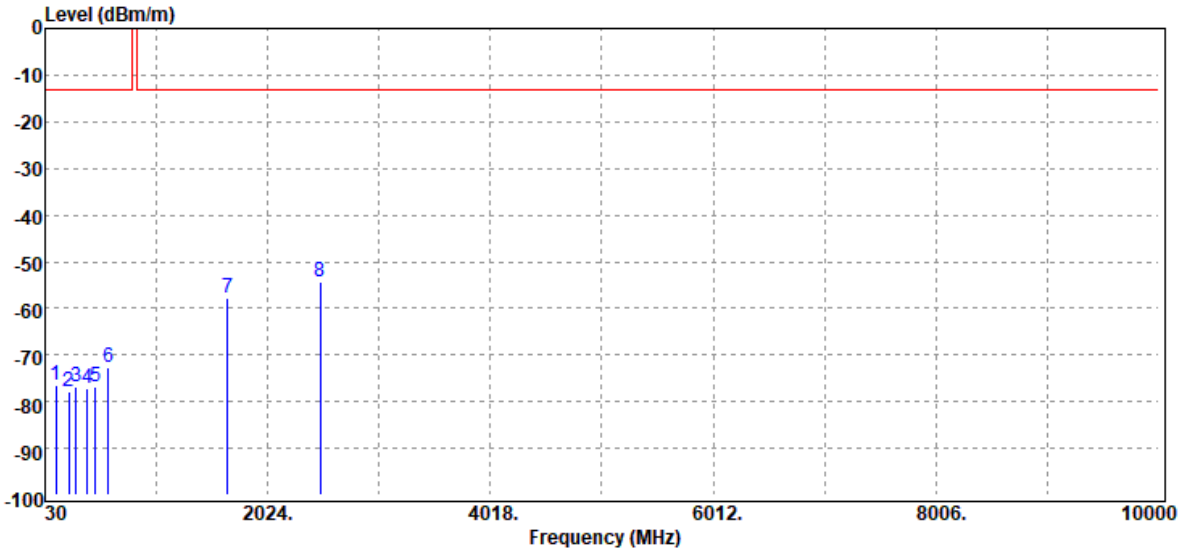
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:831.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
130.88	-76.30	-73.13	-1.99	-1.18	-13.00	-63.30
240.49	-77.93	-80.70	4.38	-1.61	-13.00	-64.93
306.45	-76.78	-79.26	4.25	-1.77	-13.00	-63.78
405.39	-77.04	-79.41	4.34	-1.97	-13.00	-64.04
482.99	-76.80	-78.68	4.26	-2.38	-13.00	-63.80
595.51	-72.69	-73.80	3.76	-2.65	-13.00	-59.69
1663.00	-57.74	-63.00	9.53	-4.27	-13.00	-44.74
2494.50	-54.20	-59.61	10.59	-5.18	-13.00	-41.20

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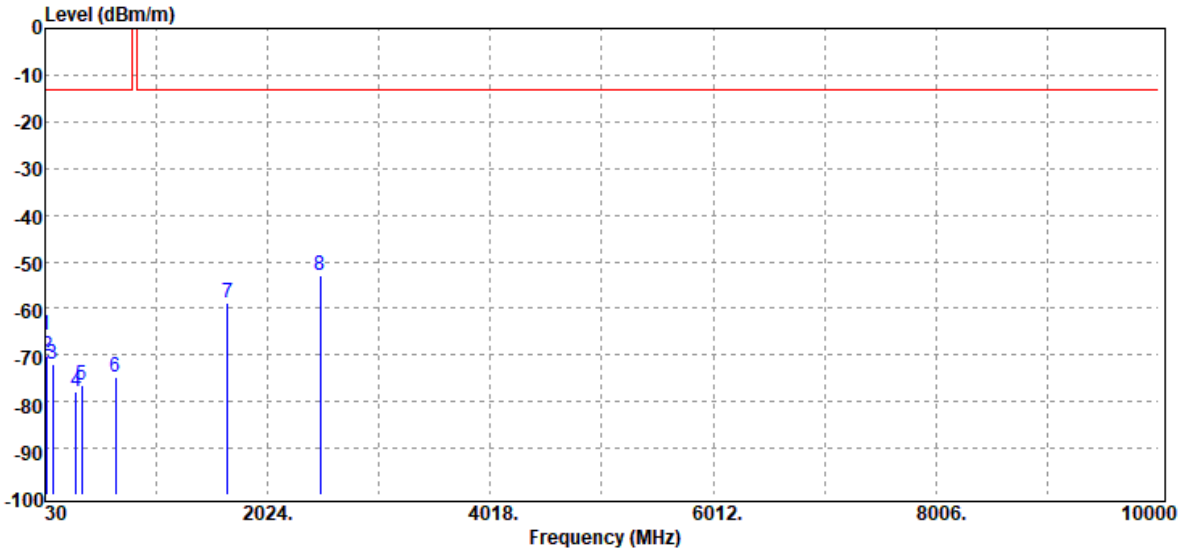
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:831.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-65.66	-51.29	-13.72	-0.65	-13.00	-52.66
49.40	-70.34	-57.71	-11.93	-0.70	-13.00	-57.34
100.81	-71.89	-70.04	-0.83	-1.02	-13.00	-58.89
306.45	-77.76	-80.24	4.25	-1.77	-13.00	-64.76
361.74	-76.31	-78.84	4.48	-1.95	-13.00	-63.31
663.41	-74.72	-75.79	3.72	-2.65	-13.00	-61.72
1663.00	-58.88	-64.14	9.53	-4.27	-13.00	-45.88
2494.50	-53.09	-58.50	10.59	-5.18	-13.00	-40.09

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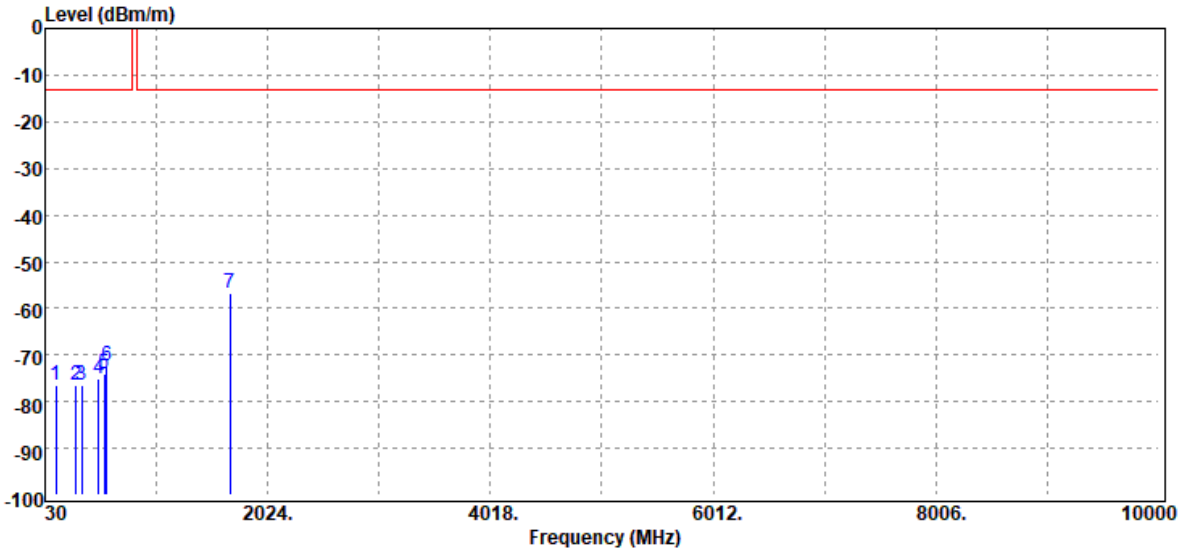
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:841.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
125.06	-76.39	-73.36	-1.88	-1.15	-13.00	-63.39
306.45	-76.42	-78.90	4.25	-1.77	-13.00	-63.42
361.74	-76.30	-78.83	4.48	-1.95	-13.00	-63.30
510.15	-75.00	-77.09	4.13	-2.04	-13.00	-62.00
563.50	-73.91	-75.45	4.16	-2.62	-13.00	-60.91
584.84	-72.46	-73.61	3.83	-2.68	-13.00	-59.46
1683.00	-56.75	-62.02	9.57	-4.30	-13.00	-43.75

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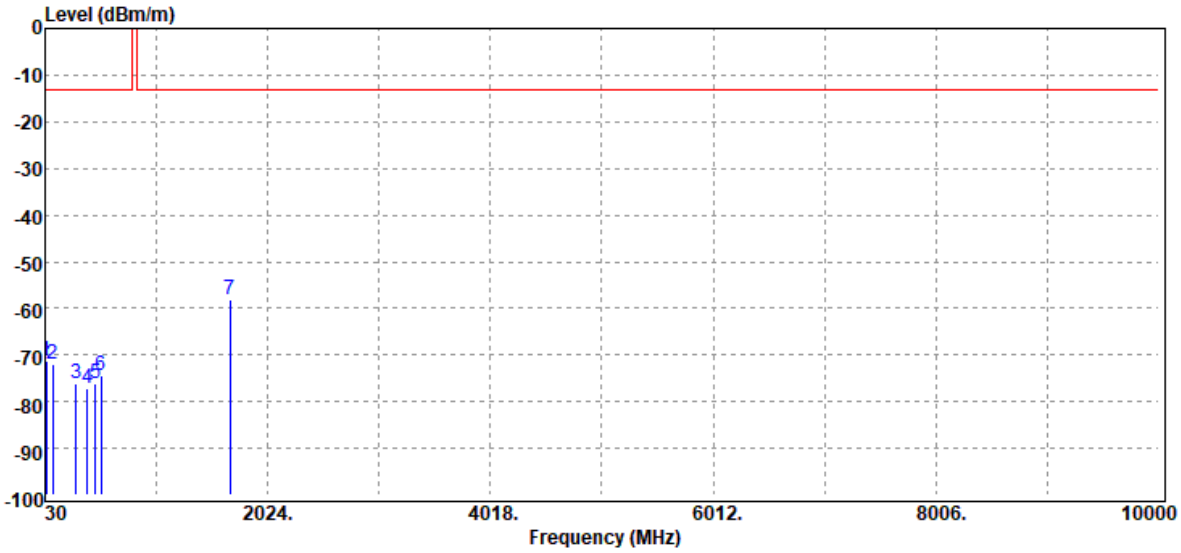
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:841.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.76	-71.16	-56.84	-13.66	-0.66	-13.00	-58.16
100.81	-71.94	-70.09	-0.83	-1.02	-13.00	-58.94
306.45	-76.22	-78.70	4.25	-1.77	-13.00	-63.22
408.30	-77.14	-79.65	4.40	-1.89	-13.00	-64.14
482.99	-76.17	-78.05	4.26	-2.38	-13.00	-63.17
534.40	-74.47	-76.56	4.24	-2.15	-13.00	-61.47
1683.00	-58.12	-63.39	9.57	-4.30	-13.00	-45.12

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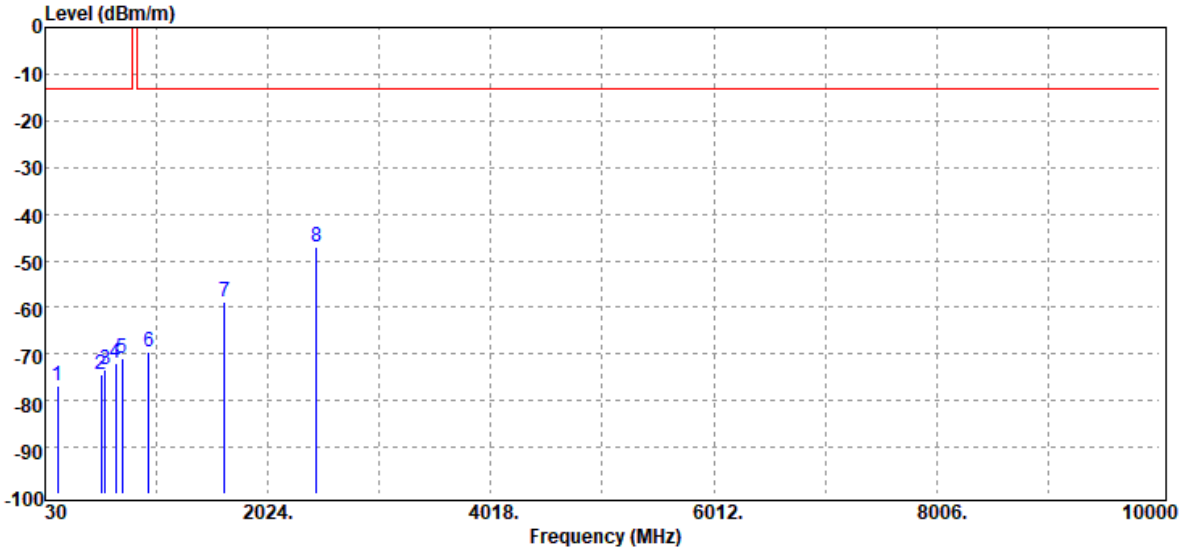
Radiated Spurious Emission Measurement Result: LTE Band 26 Part 90 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26 Part90	Test Date	:2021-02-02
Test Mode	:Tx CH Mid	Temp./Humi.	:24.3/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:819 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
144.46	-76.72	-73.55	-1.93	-1.24	-13.00	-63.72
529.55	-74.53	-76.71	4.17	-1.99	-13.00	-61.53
570.29	-73.51	-74.98	4.09	-2.62	-13.00	-60.51
662.44	-71.88	-73.01	3.70	-2.57	-13.00	-58.88
721.61	-71.00	-71.79	3.42	-2.63	-13.00	-58.00
958.29	-69.64	-70.44	3.74	-2.94	-13.00	-56.64
1638.00	-58.70	-63.94	9.48	-4.24	-13.00	-45.70
2457.00	-47.12	-52.48	10.51	-5.15	-13.00	-34.12

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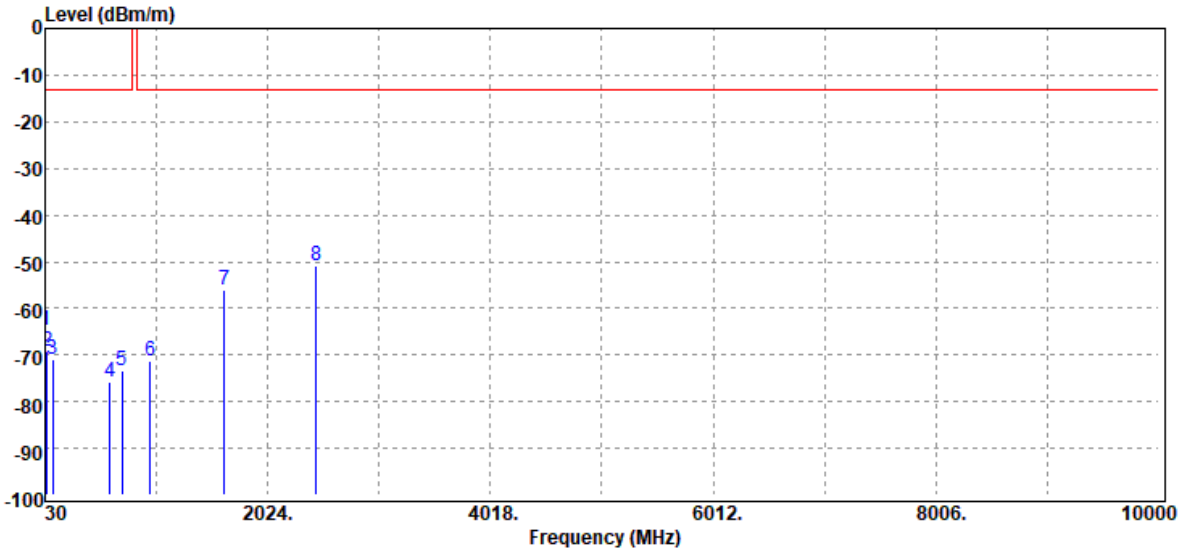
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B26 Part90	Test Date	:2021-02-02
Test Mode	:Tx CH Mid	Temp./Humi.	:24.3/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:819 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-64.66	-50.29	-13.72	-0.65	-13.00	-51.66
49.40	-69.34	-56.71	-11.93	-0.70	-13.00	-56.34
100.81	-70.89	-69.04	-0.83	-1.02	-13.00	-57.89
609.09	-75.77	-76.76	3.51	-2.52	-13.00	-62.77
719.67	-73.29	-74.19	3.52	-2.62	-13.00	-60.29
970.90	-71.20	-72.14	3.82	-2.88	-13.00	-58.20
1638.00	-55.95	-61.19	9.48	-4.24	-13.00	-42.95
2457.00	-51.02	-56.38	10.51	-5.15	-13.00	-38.02

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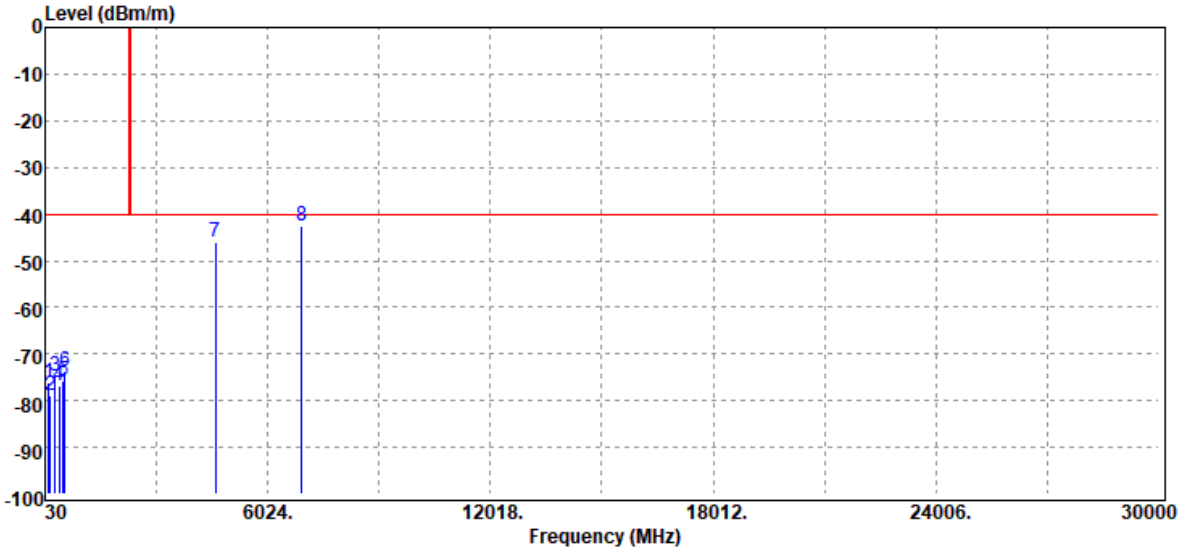
Radiated Spurious Emission Measurement Result: LTE Band 30 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B30	Test Date	:2021-01-25
Test Mode	:Tx CH Mid	Temp./Humi.	:24.3/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2310 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
131.85	-76.10	-72.81	-2.09	-1.20	-40.00	-36.10
177.44	-79.01	-78.57	0.91	-1.35	-40.00	-39.01
306.45	-74.67	-77.15	4.25	-1.77	-40.00	-34.67
403.45	-76.98	-79.28	4.33	-2.03	-40.00	-36.98
511.12	-75.91	-77.98	4.13	-2.06	-40.00	-35.91
566.41	-73.83	-75.32	4.11	-2.62	-40.00	-33.83
4620.00	-45.89	-51.22	12.42	-7.09	-40.00	-5.89
6930.00	-42.64	-44.56	11.74	-9.82	-40.00	-2.64

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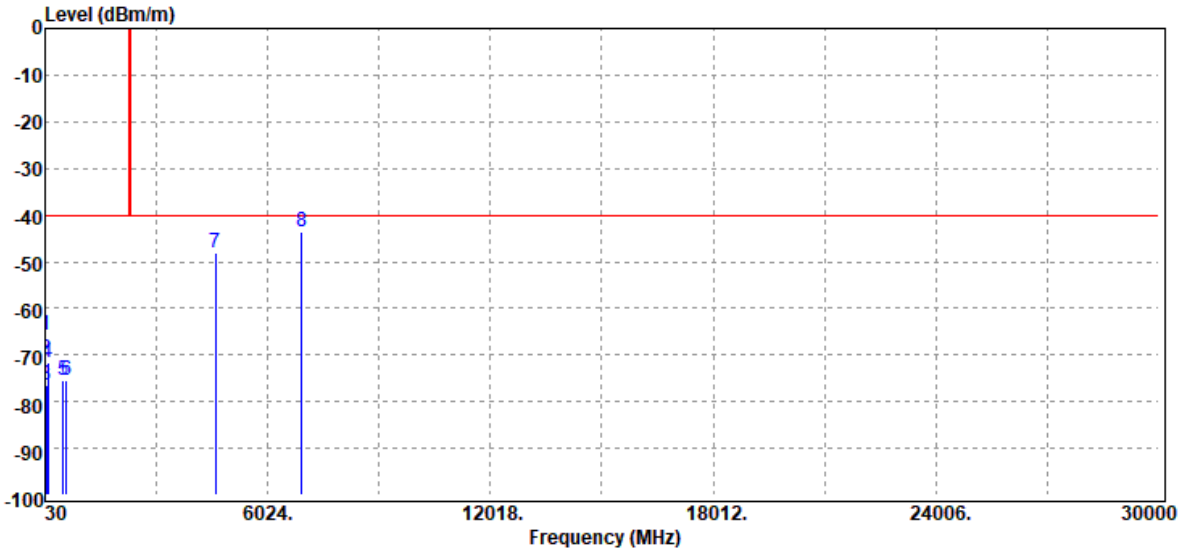
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B30	Test Date	:2021-01-25
Test Mode	:Tx CH Mid	Temp./Humi.	:24.3/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2310 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-65.89	-51.52	-13.72	-0.65	-40.00	-25.89
47.46	-70.94	-57.85	-12.39	-0.70	-40.00	-30.94
65.89	-76.33	-67.74	-7.79	-0.80	-40.00	-36.33
100.81	-71.63	-69.78	-0.83	-1.02	-40.00	-31.63
515.00	-75.27	-77.27	4.12	-2.12	-40.00	-35.27
612.00	-75.42	-76.43	3.47	-2.46	-40.00	-35.42
4620.00	-48.08	-53.41	12.42	-7.09	-40.00	-8.08
6930.00	-43.73	-45.65	11.74	-9.82	-40.00	-3.73

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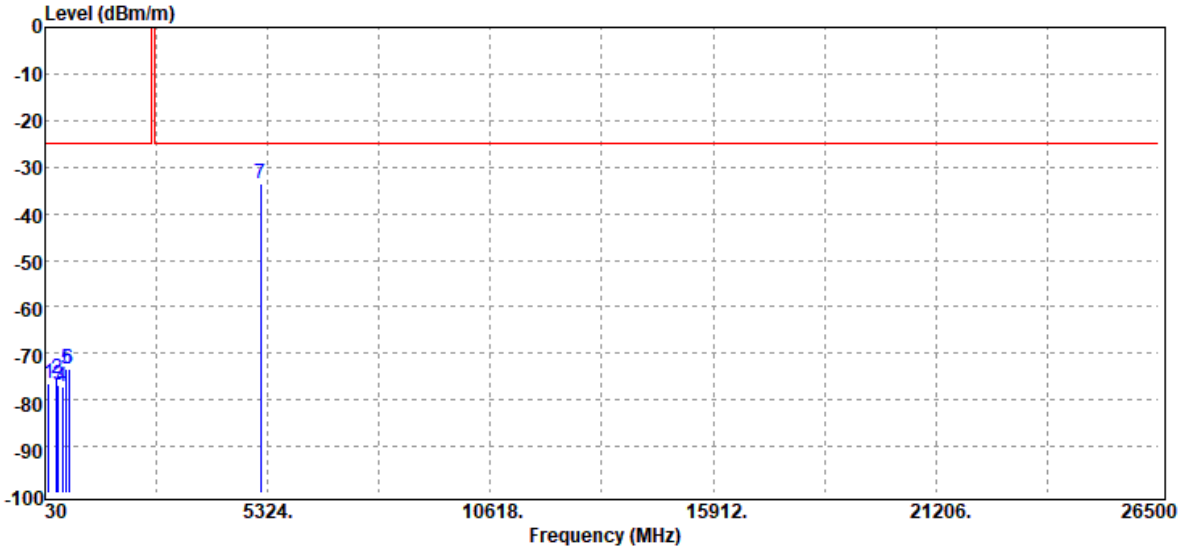
Radiated Spurious Emission Measurement Result: LTE Band 38 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2580 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
125.06	-76.54	-73.51	-1.88	-1.15	-25.00	-51.54
306.45	-75.51	-77.99	4.25	-1.77	-25.00	-50.51
354.95	-76.76	-79.26	4.49	-1.99	-25.00	-51.76
444.19	-77.02	-78.95	4.13	-2.20	-25.00	-52.02
541.19	-73.41	-75.44	4.38	-2.35	-25.00	-48.41
592.60	-73.19	-74.32	3.78	-2.65	-25.00	-48.19
5160.00	-33.71	-37.94	12.16	-7.93	-25.00	-8.71

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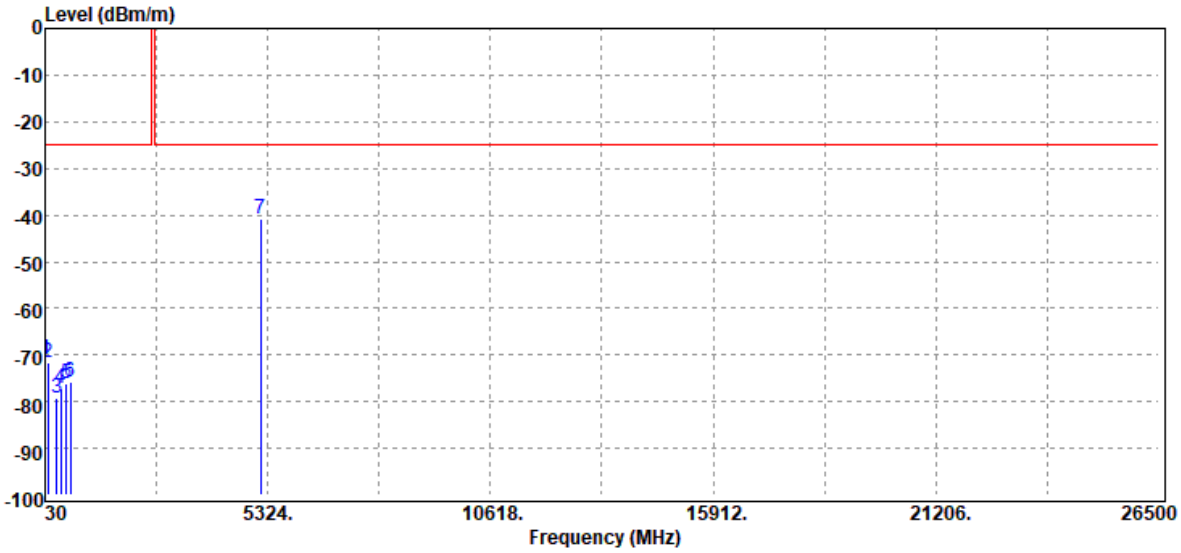
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2580 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-70.89	-57.80	-12.39	-0.70	-25.00	-45.89
100.81	-71.74	-69.89	-0.83	-1.02	-25.00	-46.74
306.45	-79.14	-81.62	4.25	-1.77	-25.00	-54.14
408.30	-77.08	-79.59	4.40	-1.89	-25.00	-52.08
529.55	-75.98	-78.16	4.17	-1.99	-25.00	-50.98
641.10	-75.68	-77.01	3.52	-2.19	-25.00	-50.68
5160.00	-40.82	-45.05	12.16	-7.93	-25.00	-15.82

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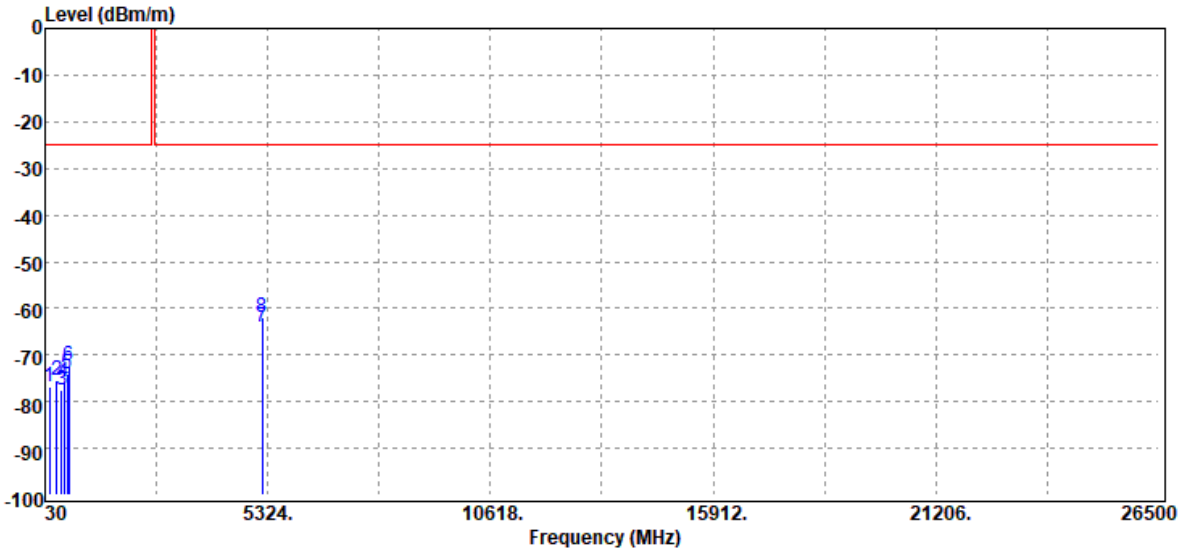
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2595 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
127.00	-76.70	-73.50	-2.04	-1.16	-25.00	-51.70
306.45	-75.49	-77.97	4.25	-1.77	-25.00	-50.49
413.15	-77.48	-80.00	4.38	-1.86	-25.00	-52.48
488.81	-75.94	-77.96	4.29	-2.27	-25.00	-50.94
548.95	-73.89	-75.80	4.19	-2.28	-25.00	-48.89
589.69	-72.32	-73.47	3.80	-2.65	-25.00	-47.32
5190.00	-63.97	-68.42	12.34	-7.89	-25.00	-38.97
5190.00	-62.10	-66.55	12.34	-7.89	-25.00	-37.10

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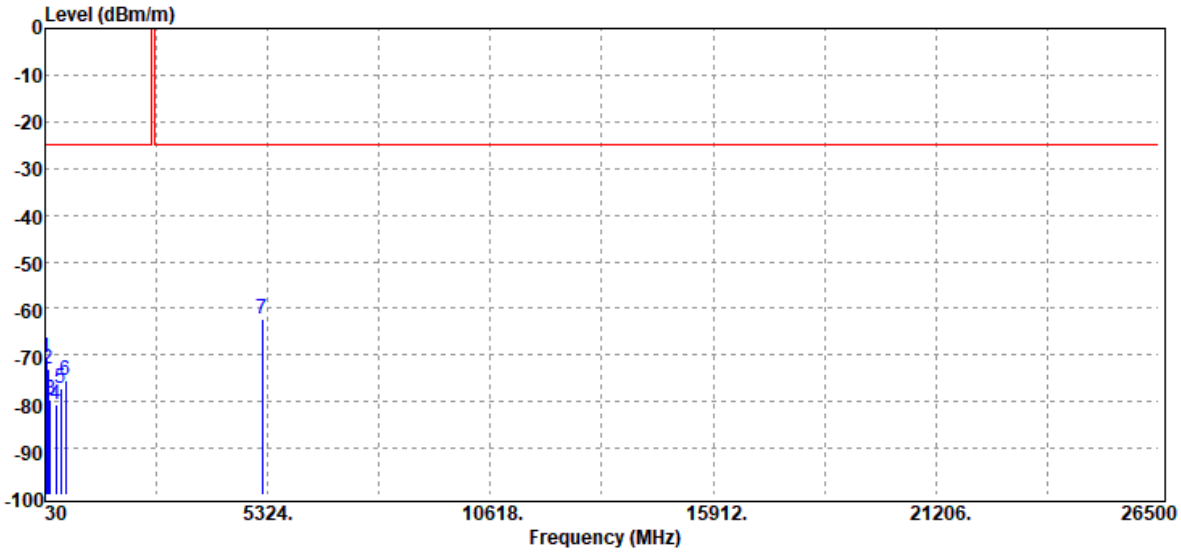
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2595 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-70.73	-58.10	-11.93	-0.70	-25.00	-45.73
100.81	-72.86	-71.01	-0.83	-1.02	-25.00	-47.86
149.31	-79.47	-76.68	-1.64	-1.15	-25.00	-54.47
294.81	-80.55	-82.86	4.07	-1.76	-25.00	-55.55
411.21	-77.30	-79.86	4.41	-1.85	-25.00	-52.30
521.79	-75.40	-77.37	4.13	-2.16	-25.00	-50.40
5190.00	-62.14	-66.59	12.34	-7.89	-25.00	-37.14

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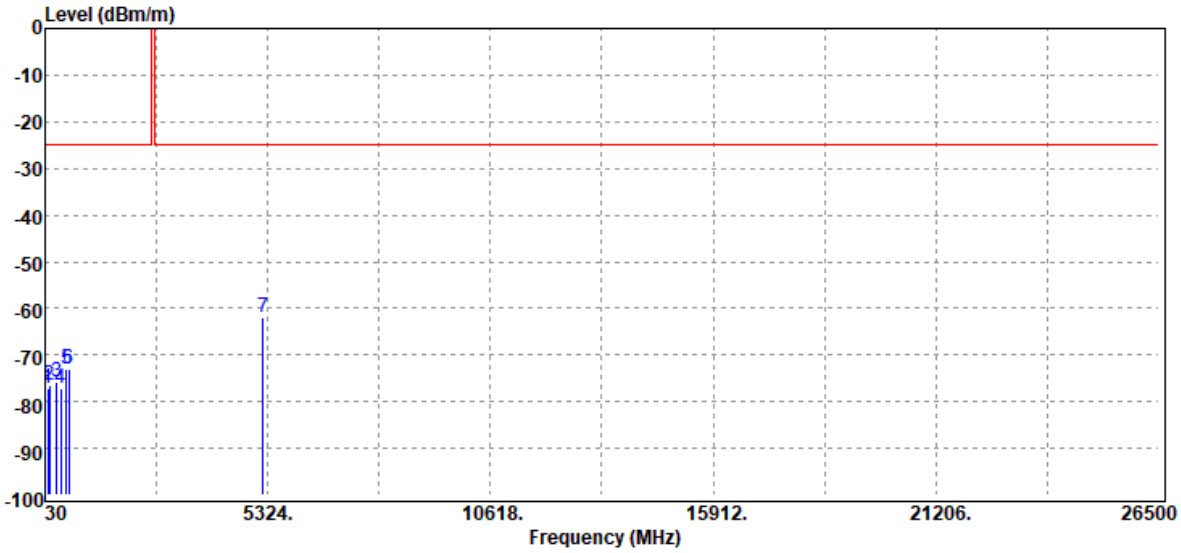
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2610 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
99.84	-77.11	-75.31	-0.79	-1.01	-25.00	-52.11
141.55	-76.51	-73.31	-1.91	-1.29	-25.00	-51.51
306.45	-75.67	-78.15	4.25	-1.77	-25.00	-50.67
395.69	-77.03	-79.25	4.31	-2.09	-25.00	-52.03
536.34	-73.13	-75.21	4.30	-2.22	-25.00	-48.13
602.30	-72.84	-73.86	3.63	-2.61	-25.00	-47.84
5220.00	-61.92	-66.54	12.56	-7.94	-25.00	-36.92

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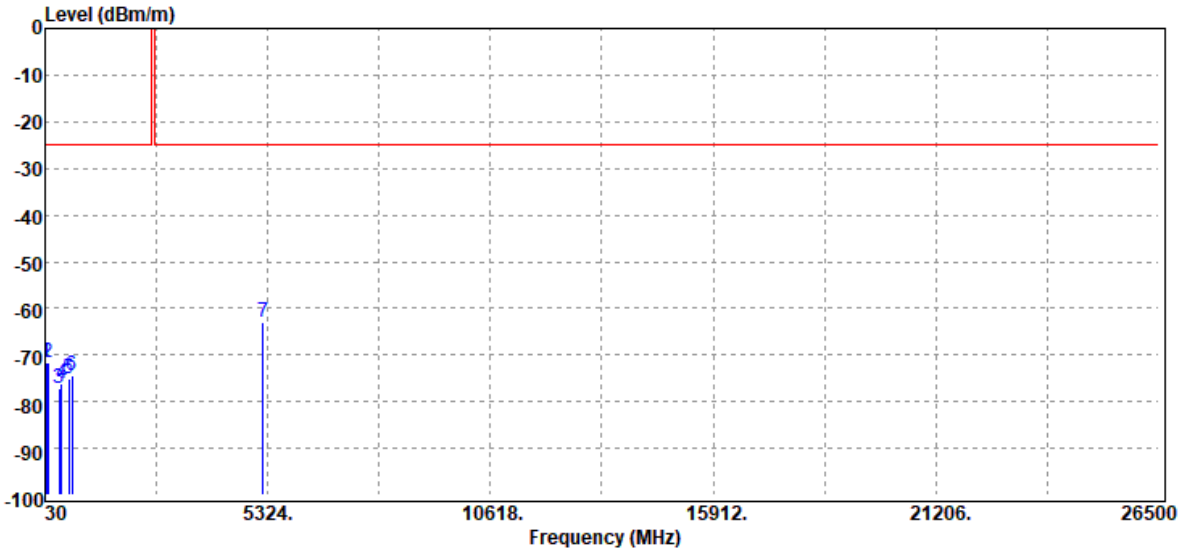
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B38	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2610 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-71.54	-58.91	-11.93	-0.70	-25.00	-46.54
100.81	-71.67	-69.82	-0.83	-1.02	-25.00	-46.67
364.65	-77.33	-79.80	4.43	-1.96	-25.00	-52.33
424.79	-76.26	-78.37	4.06	-1.95	-25.00	-51.26
589.69	-75.00	-76.15	3.80	-2.65	-25.00	-50.00
677.96	-74.23	-75.16	3.84	-2.91	-25.00	-49.23
5220.00	-63.13	-67.75	12.56	-7.94	-25.00	-38.13

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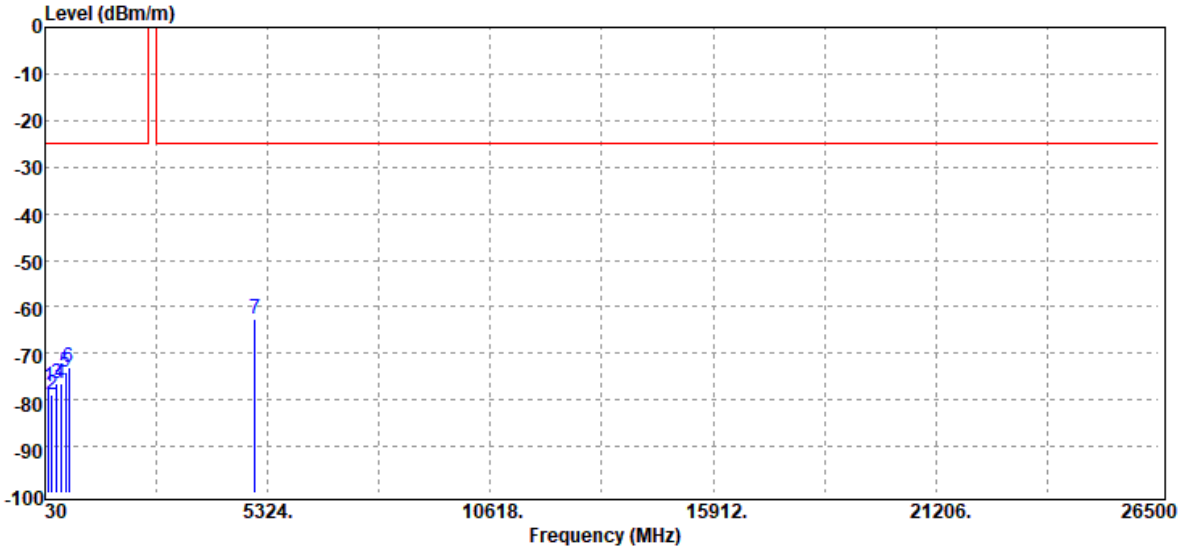
Radiated Spurious Emission Measurement Result: LTE Band 41 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2506 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
124.09	-77.33	-74.33	-1.85	-1.15	-25.00	-52.33
201.69	-78.91	-81.84	4.37	-1.44	-25.00	-53.91
306.45	-76.53	-79.01	4.25	-1.77	-25.00	-51.53
405.39	-76.34	-78.71	4.34	-1.97	-25.00	-51.34
521.79	-73.99	-75.96	4.13	-2.16	-25.00	-48.99
589.69	-72.87	-74.02	3.80	-2.65	-25.00	-47.87
5012.00	-62.48	-67.40	12.40	-7.48	-25.00	-37.48

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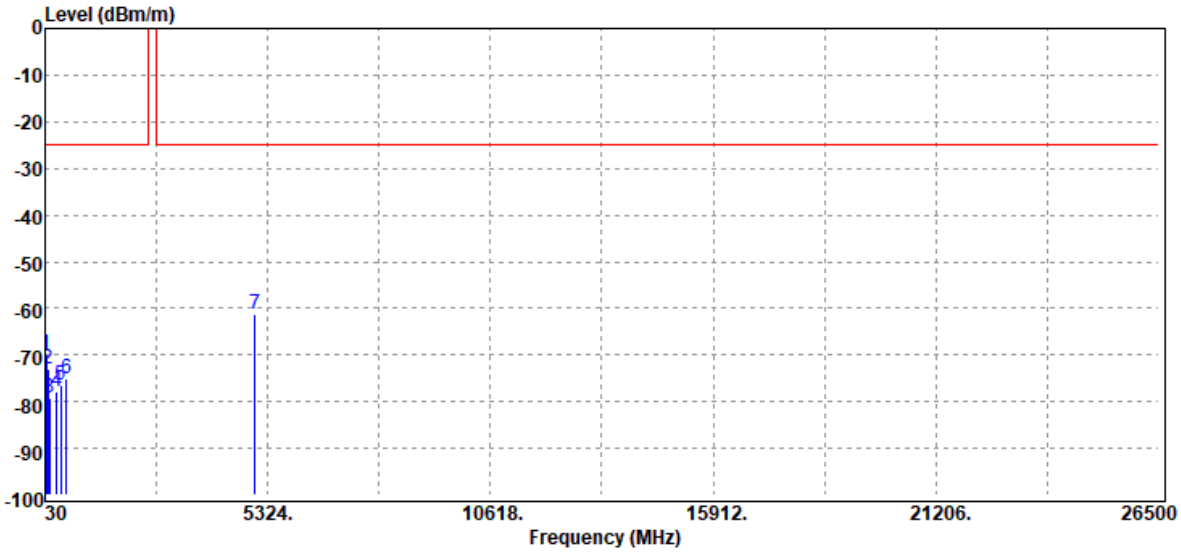
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2506 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-69.88	-57.25	-11.93	-0.70	-25.00	-44.88
100.81	-72.97	-71.12	-0.83	-1.02	-25.00	-47.97
134.76	-79.26	-75.92	-2.10	-1.24	-25.00	-54.26
304.51	-77.77	-80.26	4.26	-1.77	-25.00	-52.77
405.39	-76.35	-78.72	4.34	-1.97	-25.00	-51.35
529.55	-74.97	-77.15	4.17	-1.99	-25.00	-49.97
5012.00	-61.21	-66.13	12.40	-7.48	-25.00	-36.21

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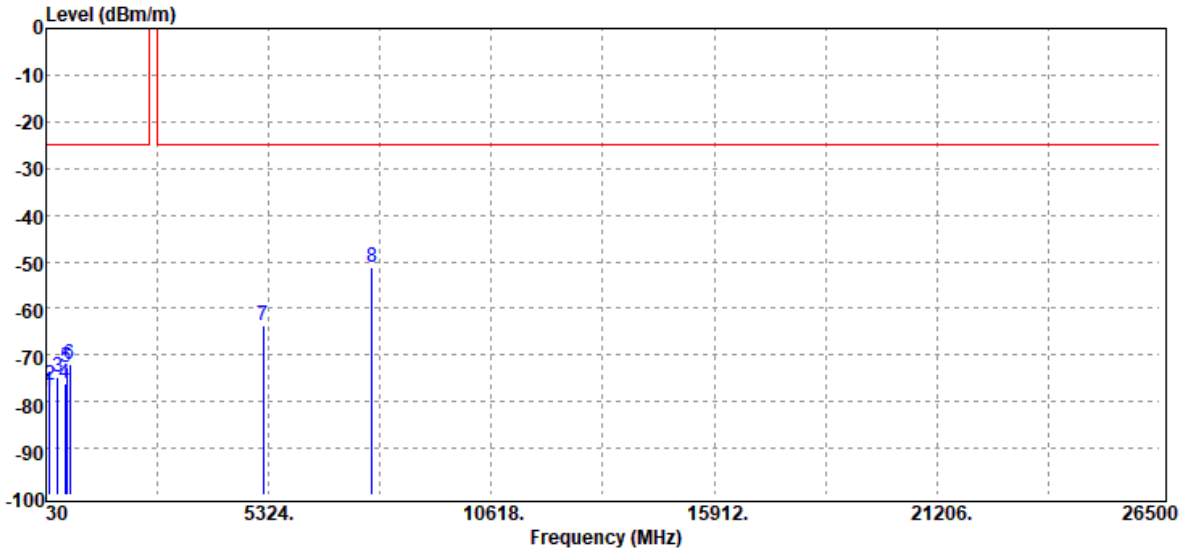
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2593 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
99.84	-77.68	-75.88	-0.79	-1.01	-25.00	-52.68
125.06	-76.34	-73.31	-1.88	-1.15	-25.00	-51.34
306.45	-74.87	-77.35	4.25	-1.77	-25.00	-49.87
473.29	-76.02	-77.88	4.18	-2.32	-25.00	-51.02
524.70	-72.79	-74.87	4.18	-2.10	-25.00	-47.79
589.69	-71.88	-73.03	3.80	-2.65	-25.00	-46.88
5186.00	-63.73	-68.16	12.32	-7.89	-25.00	-38.73
7779.00	-51.14	-52.17	11.50	-10.47	-25.00	-26.14

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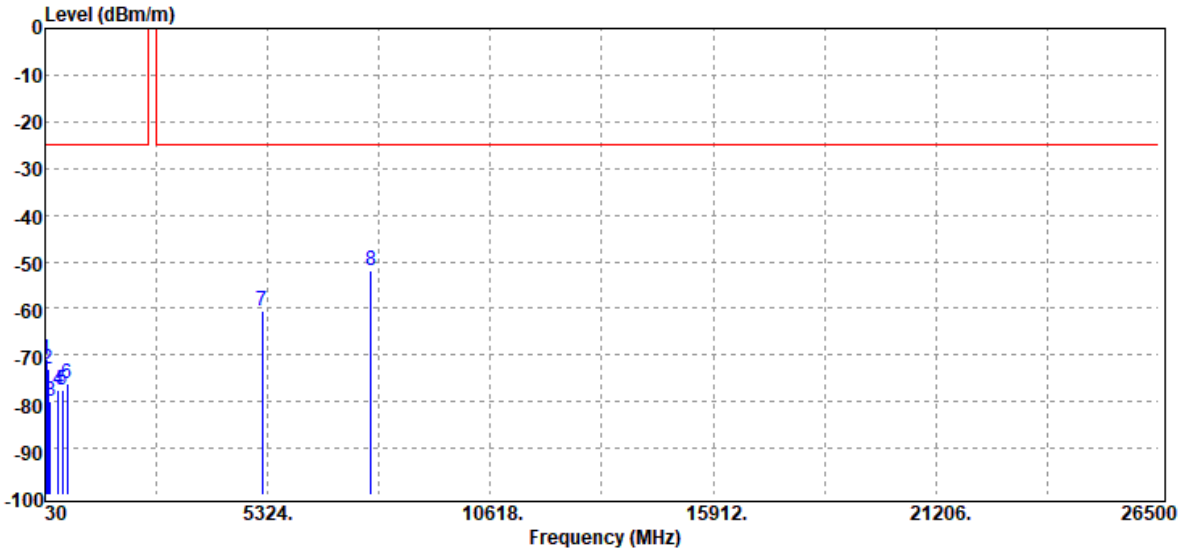
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2593 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-70.97	-58.34	-11.93	-0.70	-25.00	-45.97
100.81	-73.15	-71.30	-0.83	-1.02	-25.00	-48.15
160.95	-79.77	-77.43	-1.09	-1.25	-25.00	-54.77
353.01	-77.40	-79.91	4.52	-2.01	-25.00	-52.40
447.10	-77.52	-79.48	4.15	-2.19	-25.00	-52.52
551.86	-76.09	-77.97	4.22	-2.34	-25.00	-51.09
5186.00	-60.64	-65.07	12.32	-7.89	-25.00	-35.64
7779.00	-51.87	-52.90	11.50	-10.47	-25.00	-26.87

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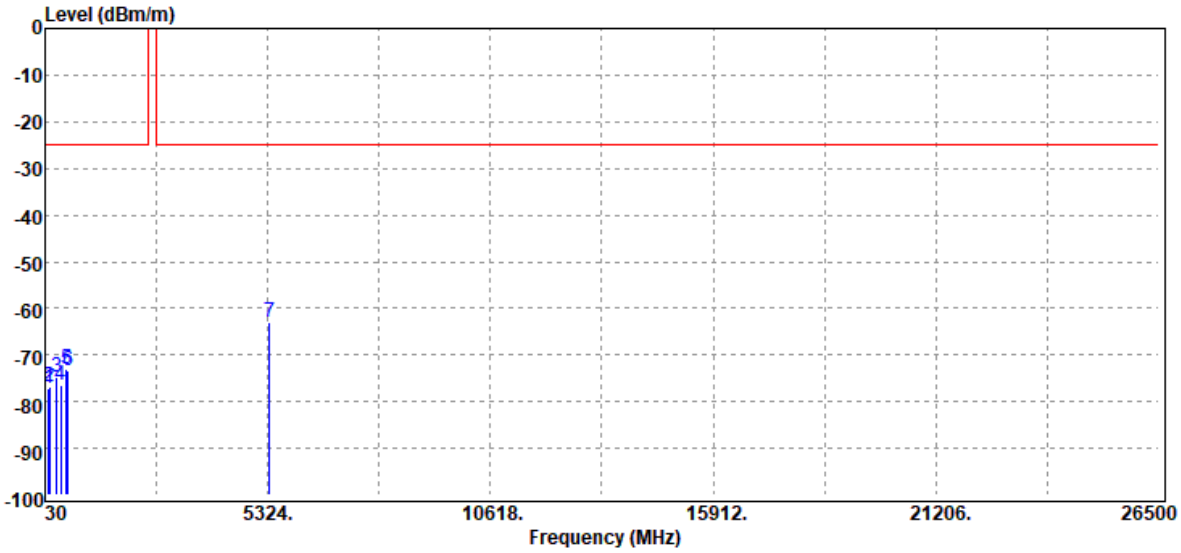
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2680 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
114.39	-77.01	-74.19	-1.73	-1.09	-25.00	-52.01
138.64	-76.84	-73.49	-2.05	-1.30	-25.00	-51.84
306.45	-74.63	-77.11	4.25	-1.77	-25.00	-49.63
396.66	-76.55	-78.77	4.32	-2.10	-25.00	-51.55
531.49	-73.18	-75.34	4.19	-2.03	-25.00	-48.18
566.41	-73.34	-74.83	4.11	-2.62	-25.00	-48.34
5360.00	-62.90	-67.02	12.96	-8.84	-25.00	-37.90

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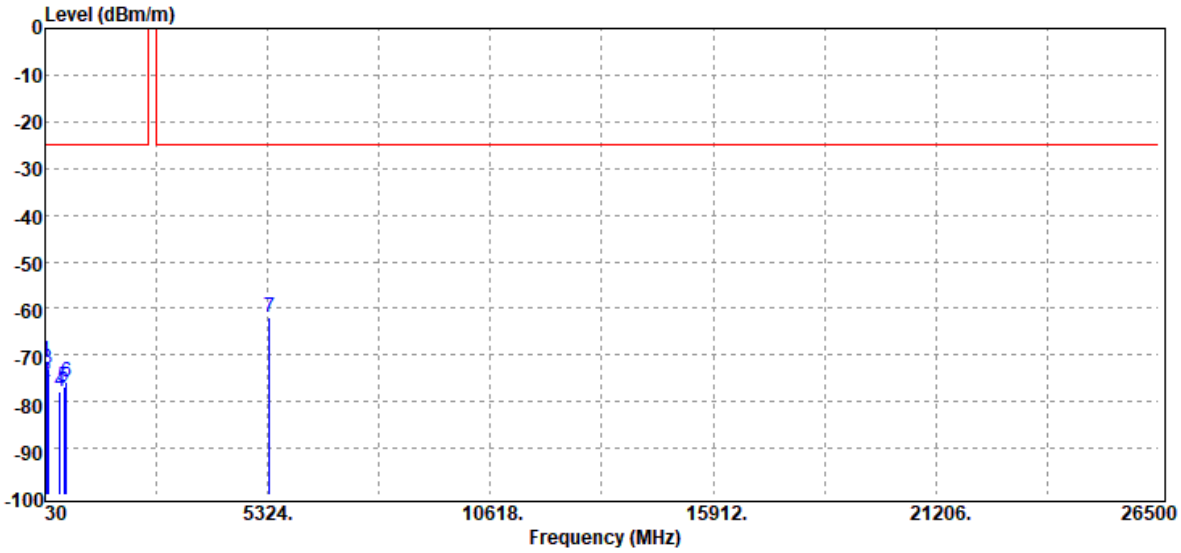
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2680 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-71.22	-58.59	-11.93	-0.70	-25.00	-46.22
65.89	-75.89	-67.30	-7.79	-0.80	-25.00	-50.89
100.81	-72.95	-71.10	-0.83	-1.02	-25.00	-47.95
382.11	-77.72	-80.08	4.38	-2.02	-25.00	-52.72
479.11	-76.85	-78.63	4.21	-2.43	-25.00	-51.85
529.55	-75.79	-77.97	4.17	-1.99	-25.00	-50.79
5360.00	-61.88	-66.00	12.96	-8.84	-25.00	-36.88

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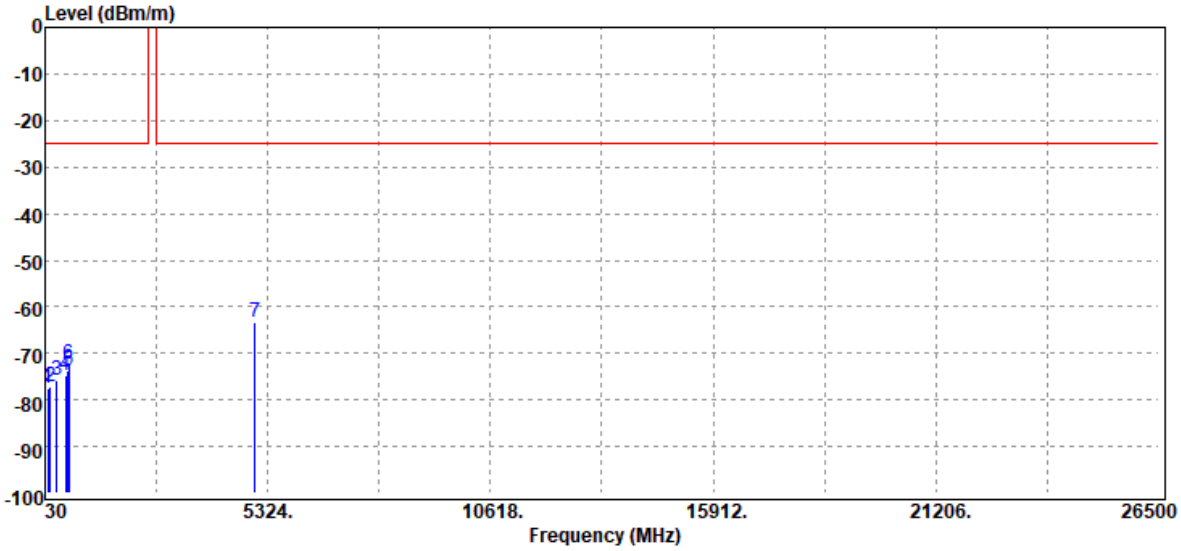
Radiated Spurious Emission Measurement Result: LTE Band 41 (HPUE) Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2506 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-77.39	-75.54	-0.83	-1.02	-25.00	-52.39
146.40	-77.30	-74.36	-1.73	-1.21	-25.00	-52.30
306.45	-75.84	-78.32	4.25	-1.77	-25.00	-50.84
518.88	-74.85	-76.77	4.10	-2.18	-25.00	-49.85
566.41	-73.75	-75.24	4.11	-2.62	-25.00	-48.75
599.39	-72.21	-73.23	3.66	-2.64	-25.00	-47.21
5012.00	-63.36	-68.28	12.40	-7.48	-25.00	-38.36

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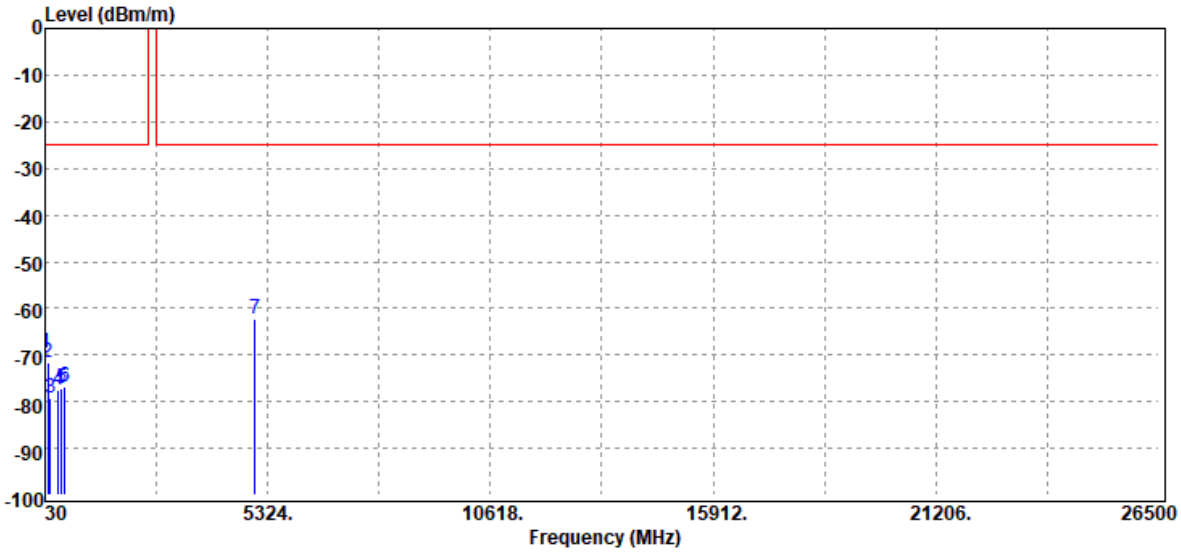
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2506 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-69.72	-56.63	-12.39	-0.70	-25.00	-44.72
100.81	-71.67	-69.82	-0.83	-1.02	-25.00	-46.67
154.16	-79.33	-76.75	-1.39	-1.19	-25.00	-54.33
343.31	-77.41	-79.86	4.39	-1.94	-25.00	-52.41
420.91	-77.09	-79.40	4.21	-1.90	-25.00	-52.09
508.21	-76.82	-78.85	4.14	-2.11	-25.00	-51.82
5012.00	-62.45	-67.37	12.40	-7.48	-25.00	-37.45

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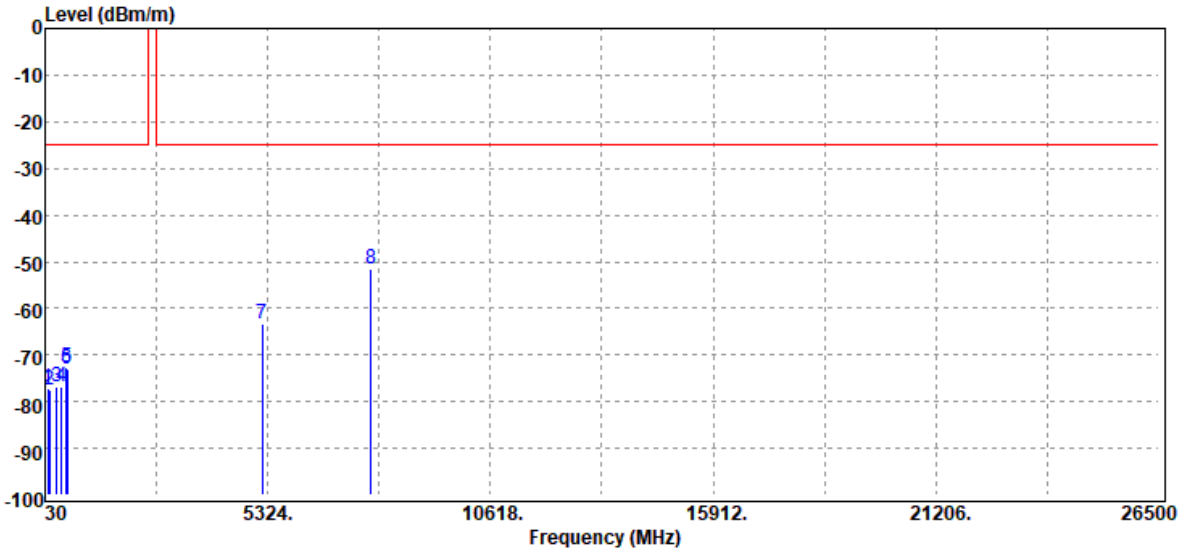
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2593 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-77.26	-75.41	-0.83	-1.02	-25.00	-52.26
139.61	-77.56	-74.22	-2.02	-1.32	-25.00	-52.56
306.45	-76.78	-79.26	4.25	-1.77	-25.00	-51.78
422.85	-76.79	-79.00	4.13	-1.92	-25.00	-51.79
532.46	-72.66	-74.80	4.21	-2.07	-25.00	-47.66
550.89	-73.15	-75.05	4.20	-2.30	-25.00	-48.15
5186.00	-63.45	-67.88	12.32	-7.89	-25.00	-38.45
7779.00	-51.51	-52.54	11.50	-10.47	-25.00	-26.51

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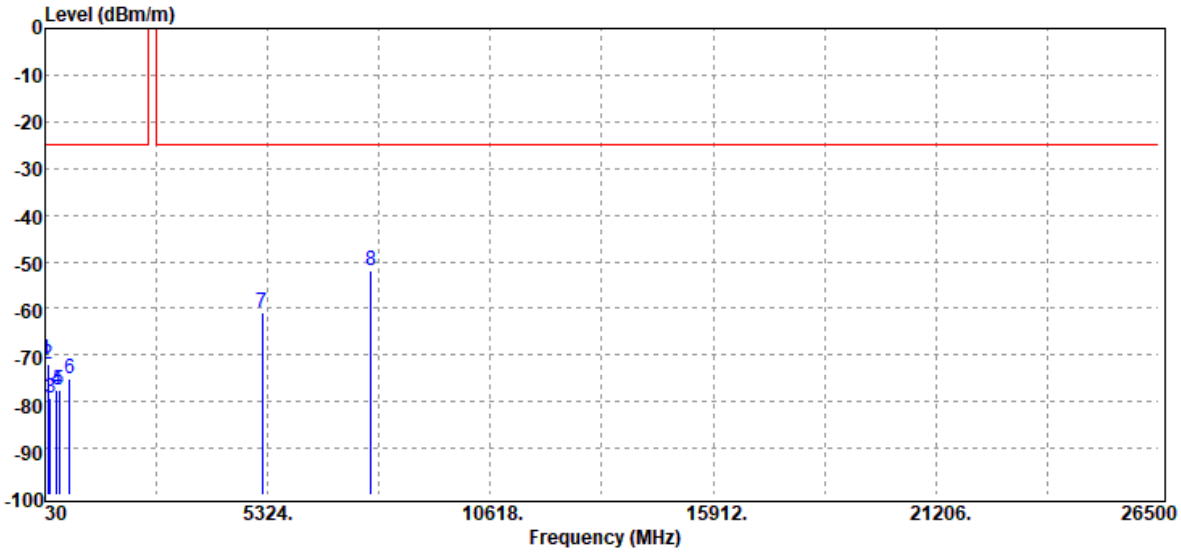
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2593 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-70.79	-57.70	-12.39	-0.70	-25.00	-45.79
100.81	-71.82	-69.97	-0.83	-1.02	-25.00	-46.82
149.31	-79.24	-76.45	-1.64	-1.15	-25.00	-54.24
306.45	-77.63	-80.11	4.25	-1.77	-25.00	-52.63
364.65	-77.39	-79.86	4.43	-1.96	-25.00	-52.39
613.94	-75.15	-76.19	3.46	-2.42	-25.00	-50.15
5186.00	-60.73	-65.16	12.32	-7.89	-25.00	-35.73
7779.00	-51.79	-52.82	11.50	-10.47	-25.00	-26.79

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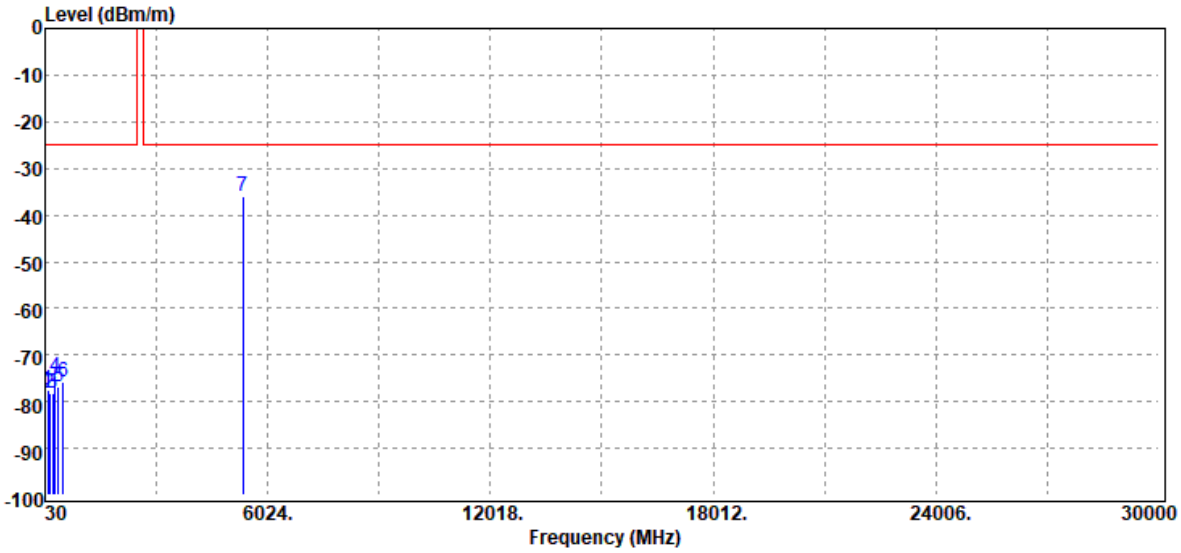
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:2680 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-77.46	-75.61	-0.83	-1.02	-25.00	-52.46
153.19	-78.13	-75.53	-1.42	-1.18	-25.00	-53.13
230.79	-78.10	-81.27	4.76	-1.59	-25.00	-53.10
306.45	-74.69	-77.17	4.25	-1.77	-25.00	-49.69
395.69	-76.91	-79.13	4.31	-2.09	-25.00	-51.91
516.94	-75.61	-77.57	4.11	-2.15	-25.00	-50.61
5360.00	-35.94	-40.06	12.96	-8.84	-25.00	-10.94

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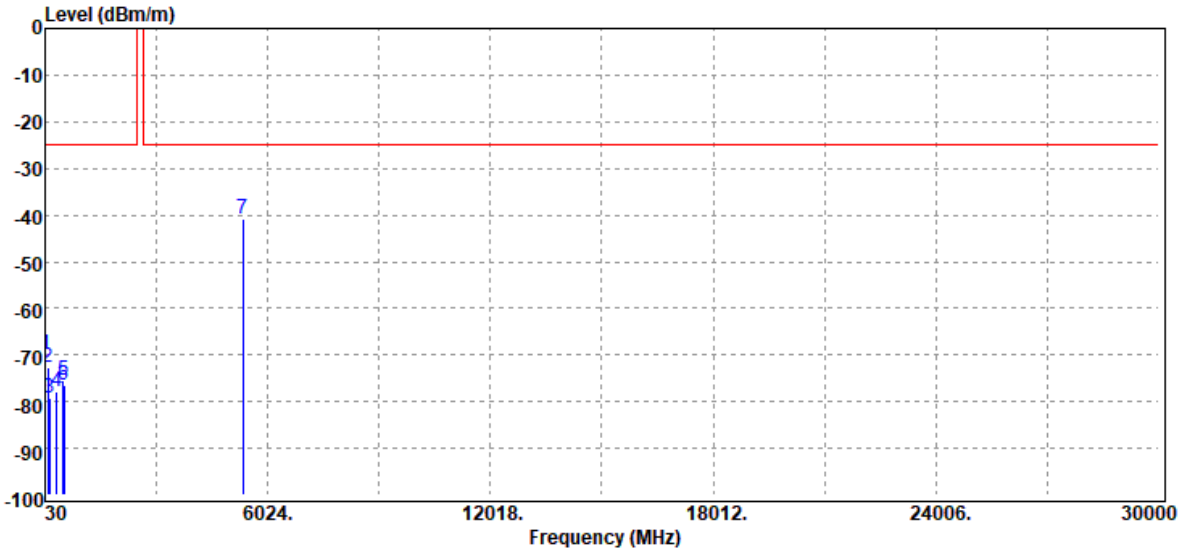
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B41	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:2680 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-69.82	-56.73	-12.39	-0.70	-25.00	-44.82
100.81	-72.79	-70.94	-0.83	-1.02	-25.00	-47.79
149.31	-79.13	-76.34	-1.64	-1.15	-25.00	-54.13
353.01	-77.82	-80.33	4.52	-2.01	-25.00	-52.82
522.76	-75.43	-77.44	4.15	-2.14	-25.00	-50.43
544.10	-76.61	-78.53	4.25	-2.33	-25.00	-51.61
5360.00	-40.99	-45.11	12.96	-8.84	-25.00	-15.99

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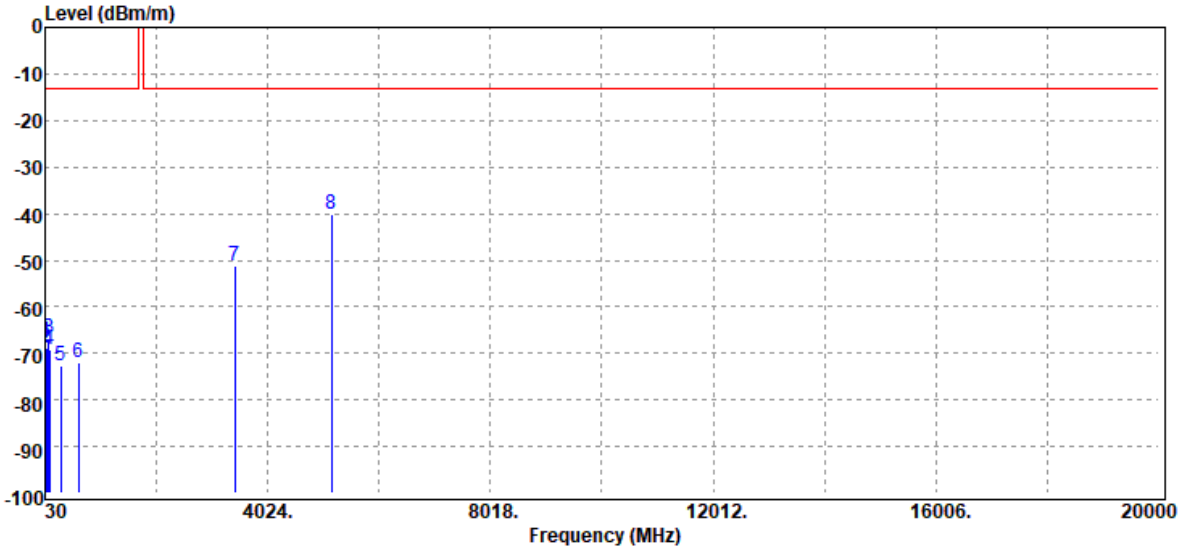
Radiated Spurious Emission Measurement Result: LTE Band 66 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1720 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.64	-67.59	-53.61	-13.29	-0.69	-13.00	-54.59
54.25	-68.78	-57.33	-10.73	-0.72	-13.00	-55.78
100.81	-66.71	-64.86	-0.83	-1.02	-13.00	-53.71
115.36	-69.16	-66.35	-1.71	-1.10	-13.00	-56.16
306.45	-72.76	-75.24	4.25	-1.77	-13.00	-59.76
631.40	-71.81	-72.90	3.46	-2.37	-13.00	-58.81
3440.00	-51.31	-57.88	12.52	-5.95	-13.00	-38.31
5160.00	-40.24	-44.47	12.16	-7.93	-13.00	-27.24

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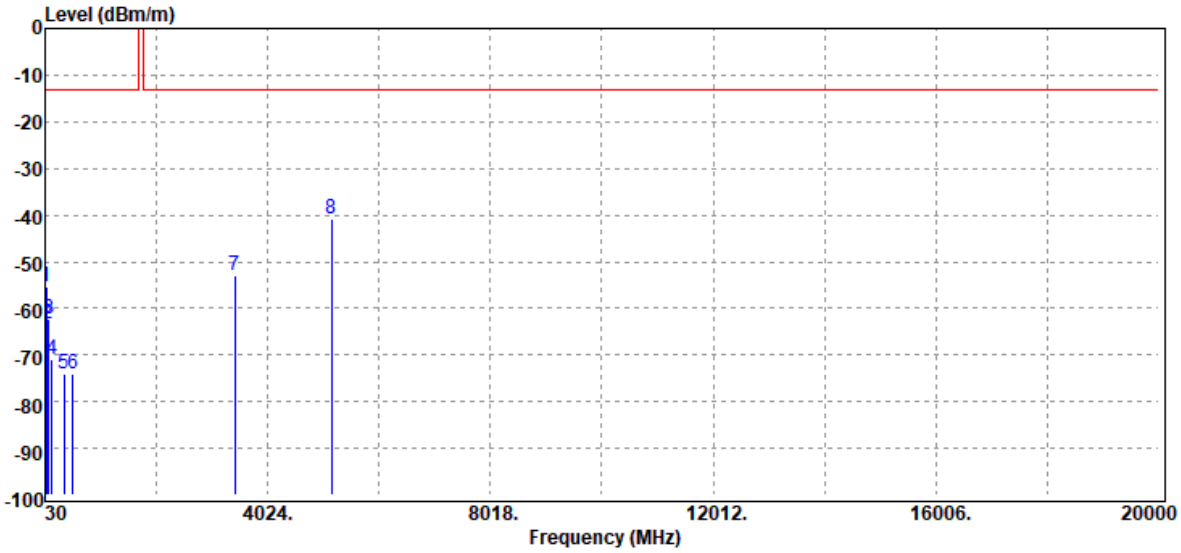
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1720 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-55.26	-42.63	-11.93	-0.70	-13.00	-42.26
65.89	-63.17	-54.58	-7.79	-0.80	-13.00	-50.17
100.81	-62.43	-60.58	-0.83	-1.02	-13.00	-49.43
154.16	-70.81	-68.23	-1.39	-1.19	-13.00	-57.81
376.29	-74.17	-76.53	4.36	-2.00	-13.00	-61.17
531.49	-74.11	-76.27	4.19	-2.03	-13.00	-61.11
3440.00	-53.10	-59.67	12.52	-5.95	-13.00	-40.10
5160.00	-40.78	-45.01	12.16	-7.93	-13.00	-27.78

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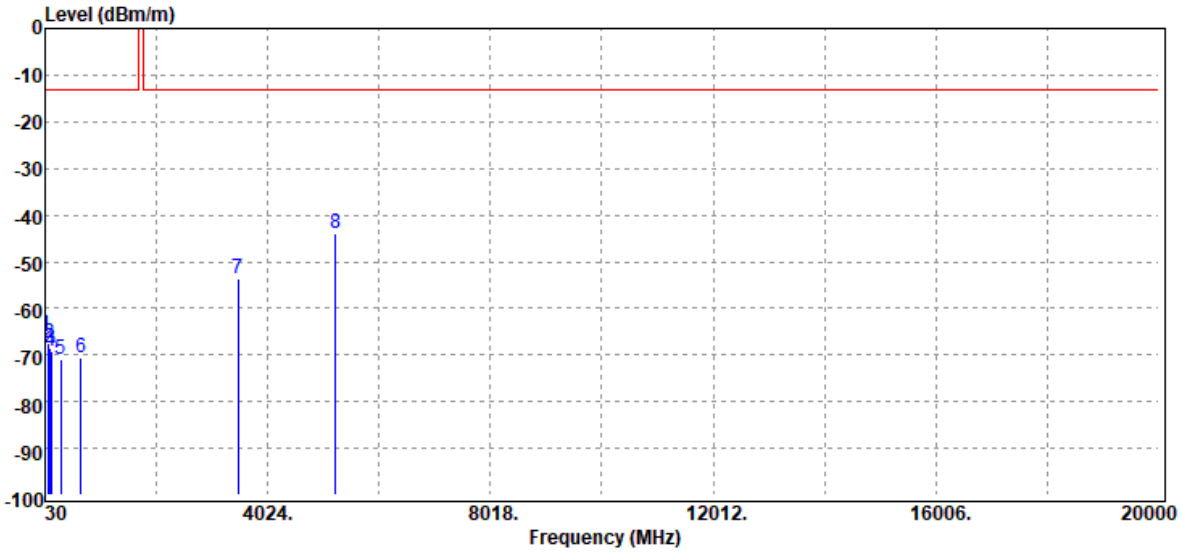
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1745 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.67	-65.71	-51.75	-13.27	-0.69	-13.00	-52.71
100.81	-67.32	-65.47	-0.83	-1.02	-13.00	-54.32
128.94	-68.67	-65.50	-2.00	-1.17	-13.00	-55.67
144.46	-69.19	-66.02	-1.93	-1.24	-13.00	-56.19
306.45	-70.96	-73.44	4.25	-1.77	-13.00	-57.96
672.14	-70.52	-71.17	3.77	-3.12	-13.00	-57.52
3490.00	-53.49	-59.65	12.42	-6.26	-13.00	-40.49
5235.00	-44.02	-48.71	12.68	-7.99	-13.00	-31.02

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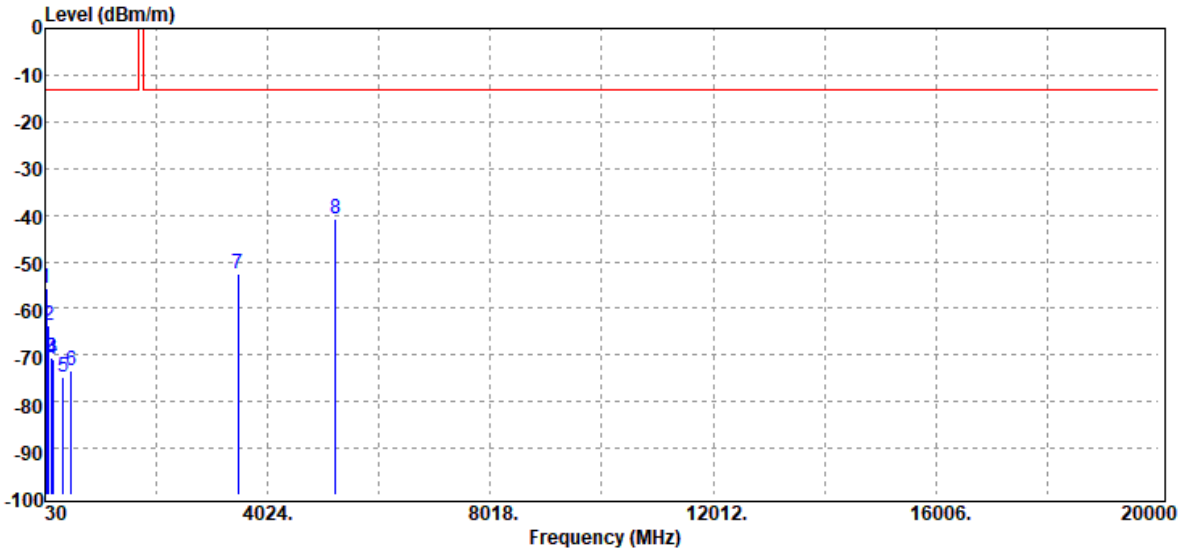
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1745 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-55.60	-42.77	-12.13	-0.70	-13.00	-42.60
100.81	-63.61	-61.76	-0.83	-1.02	-13.00	-50.61
151.25	-70.73	-68.02	-1.55	-1.16	-13.00	-57.73
165.80	-70.85	-68.88	-0.71	-1.26	-13.00	-57.85
350.10	-74.66	-77.19	4.56	-2.03	-13.00	-61.66
492.69	-73.40	-75.33	4.22	-2.29	-13.00	-60.40
3490.00	-52.75	-58.91	12.42	-6.26	-13.00	-39.75
5235.00	-40.93	-45.62	12.68	-7.99	-13.00	-27.93

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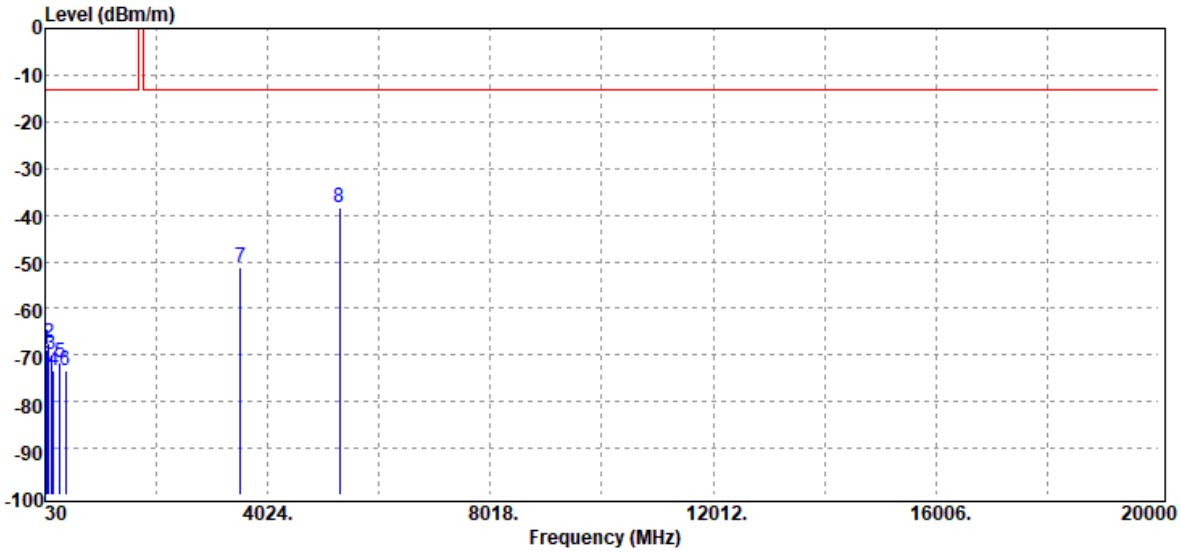
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:1770 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-68.78	-56.15	-11.93	-0.70	-13.00	-55.78
100.81	-67.49	-65.64	-0.83	-1.02	-13.00	-54.49
138.64	-69.74	-66.39	-2.05	-1.30	-13.00	-56.74
183.26	-73.53	-74.21	2.07	-1.39	-13.00	-60.53
304.51	-71.77	-74.26	4.26	-1.77	-13.00	-58.77
400.54	-73.46	-75.66	4.32	-2.12	-13.00	-60.46
3540.00	-51.36	-57.28	12.40	-6.48	-13.00	-38.36
5310.00	-38.28	-42.98	13.00	-8.30	-13.00	-25.28

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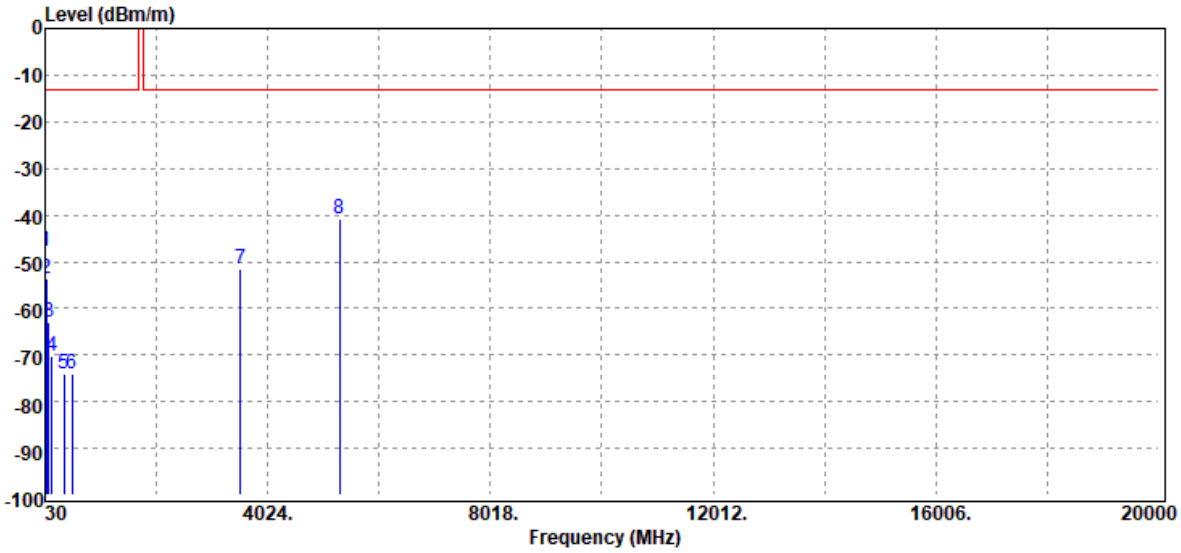
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B66	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:1770 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-47.80	-33.43	-13.72	-0.65	-13.00	-34.80
47.46	-53.69	-40.60	-12.39	-0.70	-13.00	-40.69
100.81	-62.91	-61.06	-0.83	-1.02	-13.00	-49.91
146.40	-70.21	-67.27	-1.73	-1.21	-13.00	-57.21
364.65	-74.11	-76.58	4.43	-1.96	-13.00	-61.11
515.00	-74.19	-76.19	4.12	-2.12	-13.00	-61.19
3540.00	-51.50	-57.42	12.40	-6.48	-13.00	-38.50
5310.00	-40.77	-45.47	13.00	-8.30	-13.00	-27.77

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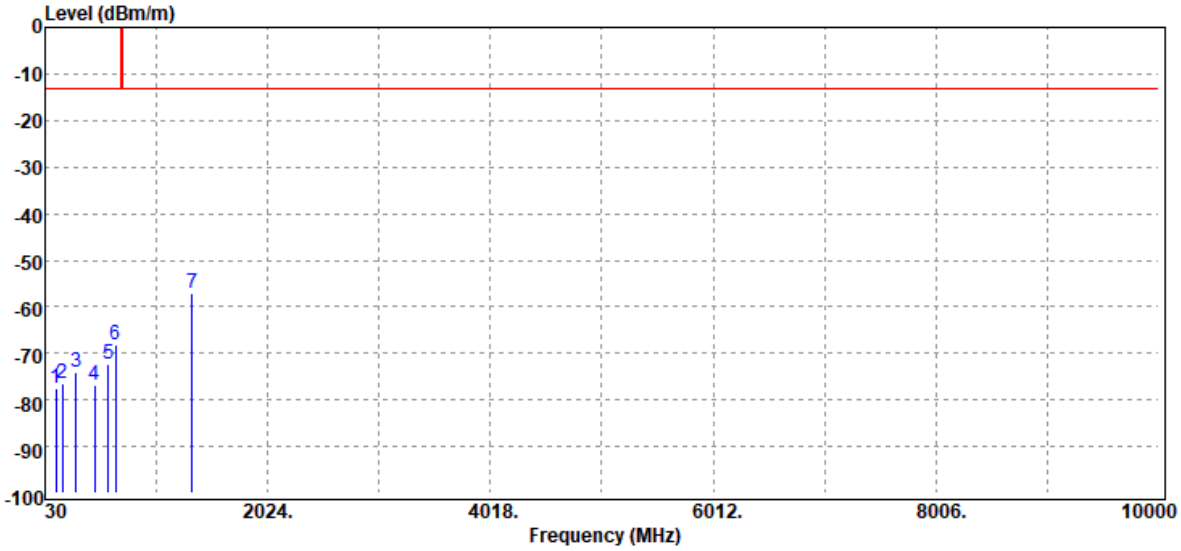
Radiated Spurious Emission Measurement Result: LTE Band 71 Mode

Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:673 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
128.94	-77.43	-74.26	-2.00	-1.17	-13.00	-64.43
185.20	-76.61	-77.57	2.37	-1.41	-13.00	-63.61
306.45	-74.09	-76.57	4.25	-1.77	-13.00	-61.09
471.35	-76.67	-78.53	4.15	-2.29	-13.00	-63.67
599.39	-72.21	-73.23	3.66	-2.64	-13.00	-59.21
660.50	-68.29	-69.56	3.68	-2.41	-13.00	-55.29
1346.00	-57.22	-60.55	7.11	-3.78	-13.00	-44.22

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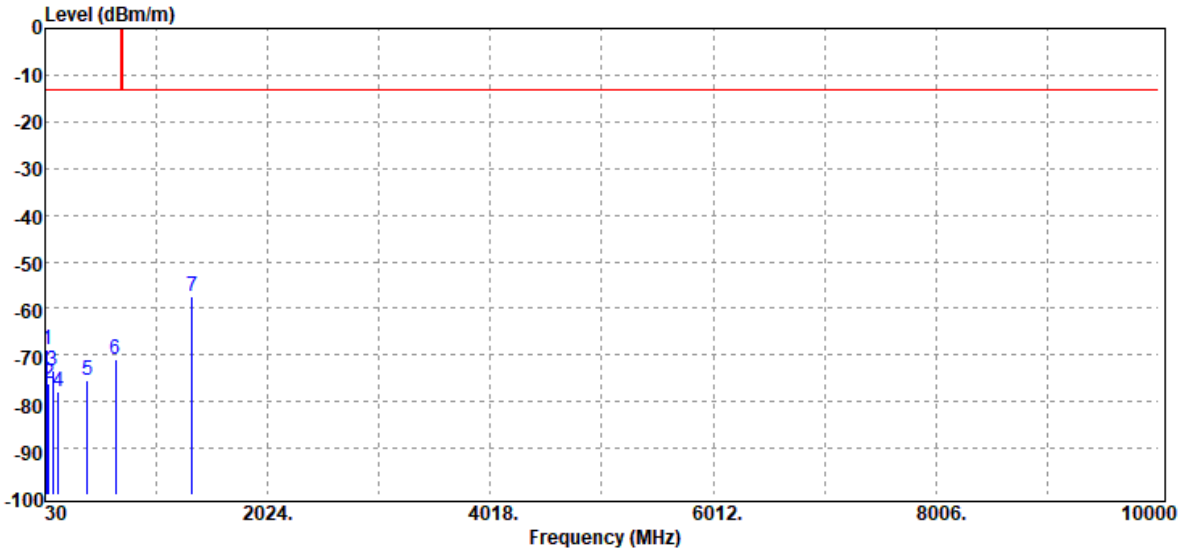
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH Low	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:673 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.46	-68.94	-55.85	-12.39	-0.70	-13.00	-55.94
65.89	-76.09	-67.50	-7.79	-0.80	-13.00	-63.09
100.81	-73.32	-71.47	-0.83	-1.02	-13.00	-60.32
151.25	-77.95	-75.24	-1.55	-1.16	-13.00	-64.95
408.30	-75.38	-77.89	4.40	-1.89	-13.00	-62.38
659.53	-70.86	-72.14	3.66	-2.38	-13.00	-57.86
1346.00	-57.30	-60.63	7.11	-3.78	-13.00	-44.30

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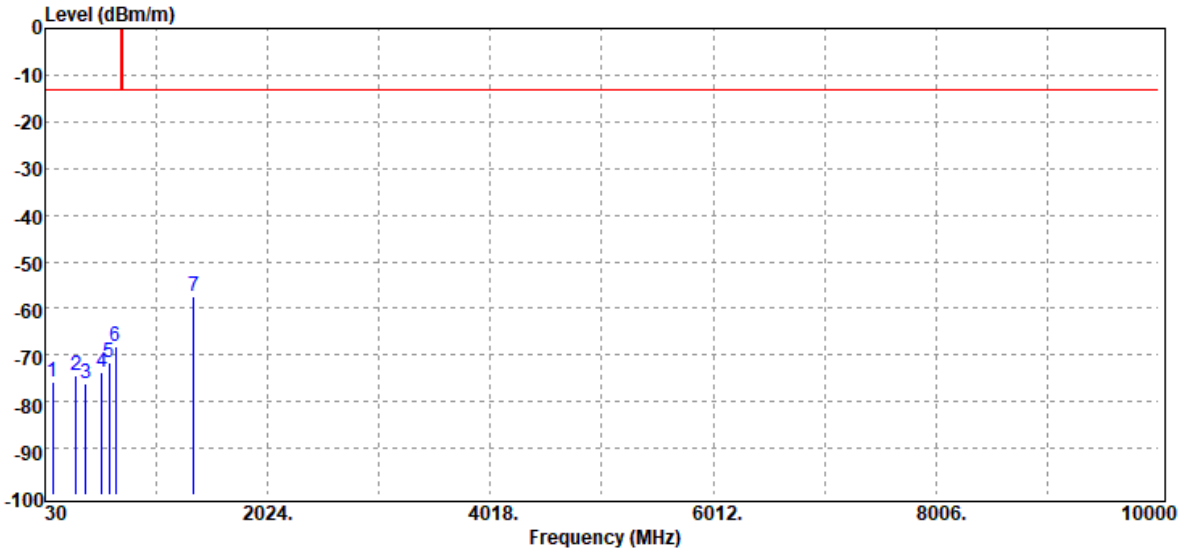
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:680.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
100.81	-75.93	-74.08	-0.83	-1.02	-13.00	-62.93
306.45	-74.35	-76.83	4.25	-1.77	-13.00	-61.35
393.75	-75.99	-78.24	4.33	-2.08	-13.00	-62.99
539.25	-73.60	-75.66	4.40	-2.34	-13.00	-60.60
605.21	-71.75	-72.79	3.61	-2.57	-13.00	-58.75
659.53	-68.23	-69.51	3.66	-2.38	-13.00	-55.23
1361.00	-57.40	-60.82	7.21	-3.79	-13.00	-44.40

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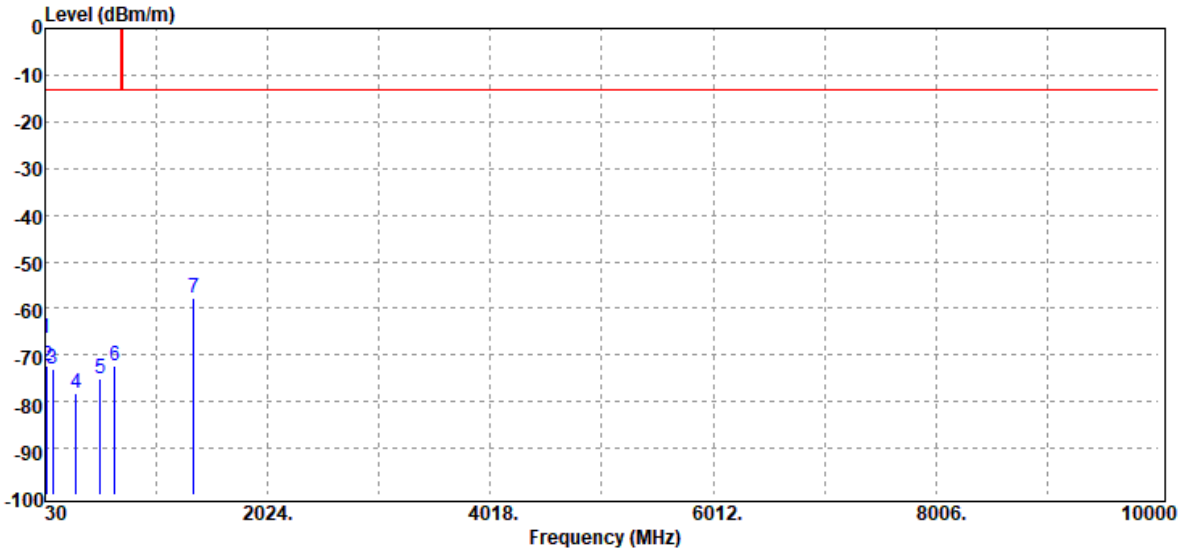
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH Mid	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:680.5 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-66.45	-52.08	-13.72	-0.65	-13.00	-53.45
49.40	-72.15	-59.52	-11.93	-0.70	-13.00	-59.15
100.81	-73.16	-71.31	-0.83	-1.02	-13.00	-60.16
306.45	-78.35	-80.83	4.25	-1.77	-13.00	-65.35
527.61	-75.15	-77.29	4.17	-2.03	-13.00	-62.15
657.59	-72.21	-73.46	3.64	-2.39	-13.00	-59.21
1361.00	-57.70	-61.12	7.21	-3.79	-13.00	-44.70

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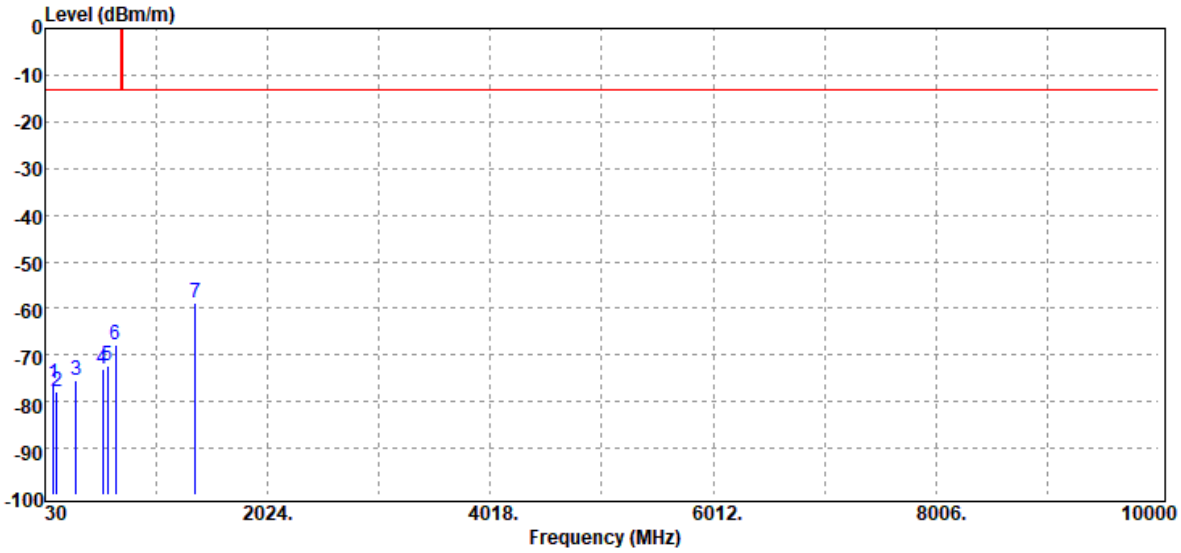
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:VERTICAL
Test Frequency	:688 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
107.60	-76.05	-73.59	-1.42	-1.04	-13.00	-63.05
131.85	-77.76	-74.47	-2.09	-1.20	-13.00	-64.76
306.45	-75.42	-77.90	4.25	-1.77	-13.00	-62.42
544.10	-73.01	-74.93	4.25	-2.33	-13.00	-60.01
592.60	-72.19	-73.32	3.78	-2.65	-13.00	-59.19
659.53	-67.87	-69.15	3.66	-2.38	-13.00	-54.87
1376.00	-58.88	-62.43	7.36	-3.81	-13.00	-45.88

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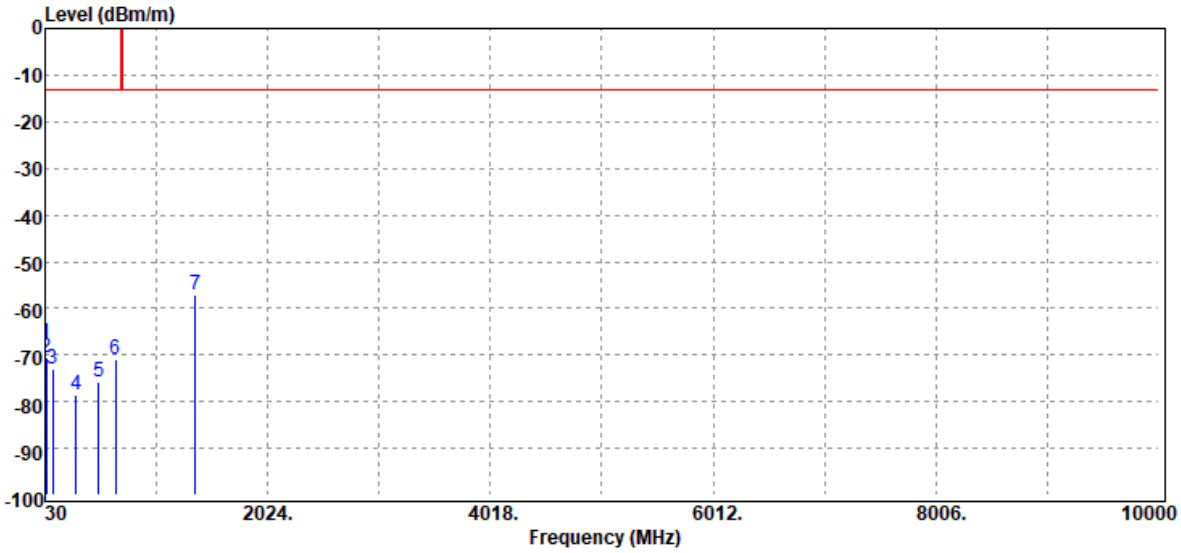
Report Number	:ER/2020/C0099	Test Site	:SAC I Chamber
Operation Mode	:LTE B71	Test Date	:2021-01-08
Test Mode	:Tx CH High	Temp./Humi.	:21.1/62
EUT Pol	:NB Plane	Antenna Pol.	:HORIZONTAL
Test Frequency	:688 MHz	Engineer	:Neo Tsai



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-67.41	-53.04	-13.72	-0.65	-13.00	-54.41
42.61	-70.63	-56.65	-13.29	-0.69	-13.00	-57.63
100.81	-72.87	-71.02	-0.83	-1.02	-13.00	-59.87
306.45	-78.52	-81.00	4.25	-1.77	-13.00	-65.52
508.21	-75.94	-77.97	4.14	-2.11	-13.00	-62.94
659.53	-71.00	-72.28	3.66	-2.38	-13.00	-58.00
1376.00	-56.98	-60.53	7.36	-3.81	-13.00	-43.98

~ End of Report ~

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