

# SUPPLEMENTAL "CA MODE" TEST REPORT

OF

	Askey Computer Corporation
Applicant:	10F, No 119, JianKang Rd., Zhonghe Dist., New Taipei
	City, Taiwan 23585
Product Name:	Cat 12 Indoor CPE
Brand Name:	Verizon
Model No.:	ASK-RTL108
Model Difference:	N/A
Report Number:	E2/2020/10031
FCC ID	H8N-ASK-RTL108
FCC Rule Part:	2 , 22H & 24E & 27C
Issue Date:	Mar. 04, 2020
Date of Test:	Nov. 26, 2019 ~ Jan. 22, 2020
Date of EUT Received:	Nov. 26, 2019
We hareby cortify that	

# We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory 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 report relate only to the tested sample identified in this report.

Approved By: CHUN, CHIZEH, CHIEN

Chun Chieh Chen / Supervisor



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Revision History						
Report Number	Revision	Description	Issue Date	Remark		
E2/2020/10031	Rev.00	Original.	Mar. 04, 2020	Revised By: Yuri Tsai		

# Note:

A second source of the Printed Circuit Board (PCB) of the WWAN RF section is used, the main source and the second source PCBs are identical but manufactured by different suppliers. RSE spot check has been provided in section 7 of this report to demonstrate compliance in RF characteristics.

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# **Contents**

1	GENERAL PRODUCT INFORMATION	4
2	SYSTEM TEST CONFIGURATION	8
	SUMMARY OF TEST RESULTS	
	DESCRIPTION OF TEST MODES	
5	MEASUREMENT UNCERTAINTY	. 14
6	MAXMUM OUTPUT POWER	. 15
	FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT	

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### **GENERAL PRODUCT INFORMATION** 1

### 1.1 **Product Description**

# General:

Product Name:	Cat 12 Indoo	Cat 12 Indoor CPE			
Brand Name:	Verizon				
Model No.:	ASK-RTL108	ASK-RTL108			
Model Difference:	N/A				
Hardware Version:	REV 3.0				
Software Version:	N/A				
	12V from AC	/DC Adapter			
Power Supply:	Adapter:       1. Model No.: PS24L120K2000UD, Supplier: FLYPOWEF         Adapter:       2. Model No.: WB-24J12FU,         Supplier: Asian Power Devices Inc.				
IMEI:	3594031099	03190			

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#### 1.2 **Operation Frequency Range**

LTE Band	BW (MHz)	Operation I	Frequei	ncy (MHz)
	1.4	1850.7	-	1909.3
	3	1851.5	-	1908.5
2	5	1852.5	-	1907.5
Z	10	1855.0	-	1905.0
	15	1857.5	-	1902.5
	20	1860.0	-	1900.0
	1.4	1710.7	-	1754.3
	3	1711.5	-	1753.5
4	5	1712.5	-	1752.5
4	10	1715.0	-	1750.0
	15	1717.5	-	1747.5
	20	1720.0	-	1745.0
	1.4	824.7	-	848.3
5	3	825.5	-	847.5
5	5	826.5	-	846.5
	10	829.0	-	844.0
13	5	779.5	-	784.5
15	10		782	
	1.4	1710.7	-	1779.3
	3 5	1711.5	-	1778.5
66		1712.5	-	1777.5
00	10	1715.0	-	1775.0
	15	1717.5	-	1772.5
	20	1720.0	-	1770.0

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# **Antenna Designation** 1.3

# Internal

Vendor	Туре	Model Name	Modulation Frequency (MHz)			Peak Antenna Gain (dBi)		
		LTE Band 2	1850	~	1910	3.61		
			LTE Band 4	1710	/10 ~ 1755 3.27	3.27		
N/A	PIFA	Main	LTE Band 5	5 824 ~ 849	849	1.42		
				LTE Band 13	777	~	787	0.01
			LTE Band 66	1710	~	1780	3.27	

# External

Vendor	Туре	Model Name	Modulation	Frequency (MHz)		5	Peak Antenna Gain (dBi)
		LTE Band 2	1850	۲	1910	2.82	
Master Wave		Monopole 98619ZSAX031	LTE Band 4	1710	1	1755	2.93
Technology	Monopole		LTE Band 5	824	٢	849	2.41
Co., Ltd.			LTE Band 13	777	۲	787	N/A
			LTE Band 66	1710	1	1780	2.93

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### 1.4 **Test Methodology of Applied Standards**

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

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

### 1.5 **Test Facility**

SGS Taiwan Ltd. Electronics & Communication Laboratory (TAF code 0513) No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

FCC Designation number: TW0002

### 1.6 **Special Accessories**

No special accessories were used during testing.

### 1.7 **Equipment Modifications**

There was no modifications incorporated into the EUT.

### Radiated Emission Test Sites for Measurements from 9 kHz to 30 MHz 1.8

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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### SYSTEM TEST CONFIGURATION 2

### 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.

### **Radiated Emissions (ERP/EIRP)** 2.3.2

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.

# 2.4 Measurement Results Explanation Example For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss and attenuator factor. Following shows an offset computation in physical test.

	RF cable loss (dB)	Attenuation factor(dB)	offset(dB)
Low Band (Below 1GHz)	3.6	10	13.6
High Band (Above 1 GHz)	3.8	10	13.8

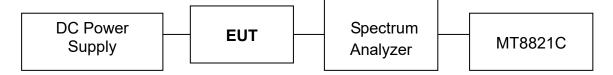
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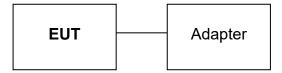


### 2.5 **Configuration of Tested System**

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



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



# **Remote Side**



Table 2-1 Equipment Used in

ltem	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Radio Communication Analyzer	Anritsu	MT8821C	6261786084	shielded	Un-shielded
2.	Radio Communication Analyzer	Anritsu	MT8821C	6262044739	shielded	Un-shielded

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### SUMMARY OF TEST RESULTS 3

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(d)(4) §27.50(b)(10)	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(h)	Field Strength of Spurious Radiation	Compliant

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### **DESCRIPTION OF TEST MODES** 4

### 4.1 The Test Modes and Details

- 1. This device is UE LTE 4G 1Tx/1Rx devive for single carrier witnin ANT0 can support uplink Band 2/4/5/13/66 and device support Intra-Band carrier aggregation (two carriers) uplink. For decvice operation on uplink CA mode, change the transmitter mode by 1Tx within ANT0.
- 2. The device uplink Intra-Band CA maximum conFollowing channel(s) was (were) selected for the final test as listed below.

#### The Test Channel Details 4.2

This device is Cat 12 Indoor CPE that can support carrier aggregation (two carrier) uplink Intra-Band contiguous specification following as below:

Intra band

E-UTRA CA configuration / Bandwidth combination set								
E-UTRA CA Uplink Configuration	Linlink CA	•	in order of increasing requency	Maximum	Bandwidth			
	configurations	Channel bandwidth for carrier [MHz]	Channel bandwidth for carrier [MHz]	aggregated bandwidth [MHz]	combination set			
CA 5B CA 5B		5,10	10	20	0			
07_00	07_00	10	5	20	0			

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# Inter band

E-	UTRA CA c	onfigu	ration /	Bandw	vidth co	mbination set	
Uplink CA con- figurations (NOTE 4)	E-UTRA Bands	5 MHz	10 MHz	15 MHz	20 MHz	Maximum aggregated bandwidth [MHz]	Bandwidth combination set
	2	Yes	Yes	Yes	Yes	30	0
CA_2A-5A	5	Yes	Yes			50	0
	2	Yes	Yes			20	1
	5	Yes	Yes			20	
	2	Yes	Yes	Yes	Yes	30	0
CA_2A-13A	13		Yes			50	0
CA_2A-13A	2	Yes	Yes			20	1
	13		Yes			20	I
	4	Yes	Yes			20	0
	5	Yes	Yes			20	0
CA_4A-5A	4	Yes	Yes	Yes	Yes	20	4
	5	Yes	Yes			30	1
	4	Yes	Yes	Yes	Yes	20	0
CA 44 404	13		Yes			30	0
CA_4A-13A	4	Yes	Yes			20	4
	13		Yes			20	1
	5	Yes	Yes			20	0
CA_5A-66A	66	Yes	Yes	Yes	Yes	30	0
	13	Yes	Yes			00	0
CA_13A-66A	66	Yes	Yes	Yes	Yes	30	U

Mode	Description						
1	CA_PCC Ant0 Band 2_ SCC Ant 0 Band 5						
2	CA_PCC Ant0 Band 2_ SCC Ant 0 Band 13						
3	CA_PCC Ant0 Band 4_ SCC Ant 0 Band 5						
4	CA_PCC Ant0 Band 4_ SCC Ant 0 Band 13						
5	CA_PCC Ant0 Band 5_ SCC Ant 0 Band 66						
6	CA_PCC Ant0 Band 5_ SCC Ant 0 Band 5						
7	CA_PCC Ant0 Band 13_ SCC Ant 0 Band 66						

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### **Measurement Configuration** 4.3

Test	Test			PCC	SCC			
Mode	Test Item	Modulation	Band width	Channel	RB Mode	Band width	Channel	RB Mode
	EIRP		5 MHz	18625	1 RB / 0 RB	5 MHz	20425	1 RB / 0 RB
1	& Radiated	QPSK	5 MHz	18900	1 RB / 0 RB	5 MHz	20525	1 RB / 0 RB
	Emission		5 MHz	19175	1 RB / 0 RB	5 MHz	20625	1 RB / 0 RB
	EIRP		20 MHz	18700	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
2	& Radiated	QPSK	20 MHz	18900	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
	Emission		20 MHz	19100	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
	EIRP		5 MHz	19975	1 RB / 0 RB	10 MHz	20450	1 RB / 0 RB
3	& Radiated	QPSK	5 MHz	20175	1 RB / 0 RB	10 MHz	20525	1 RB / 0 RB
	Emission		5 MHz	20375	1 RB / 0 RB	10 MHz	20600	1 RB / 0 RB
	EIRP		5 MHz	19975	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
4	& Radiated	QPSK	5 MHz	20175	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
	Emission		5 MHz	20375	1 RB / 0 RB	10 MHz	23230	1 RB / 0 RB
	EIRP		10 MHz	20450	1 RB / 0 RB	5 MHz	131997	1 RB / 0 RB
5	& Radiated	QPSK	10 MHz	20525	1 RB / 0 RB	5 MHz	132322	2 RB / 0 RB
	Emission		10 MHz	20600	1 RB / 0 RB	5 MHz	132647	3 RB / 0 RB
	EIRP		10 MHz	20450	1 RB / 0 RB	10 MHz	20549	4 RB / 0 RB
6	& Radiated	QPSK	10 MHz	20476	1 RB / 0 RB	10 MHz	20575	5 RB / 0 RB
	Emission		10 MHz	20501	1 RB / 0 RB	10 MHz	20600	6 RB / 0 RB
	EIRP		5 MHz	23205	1 RB / 0 RB	5 MHz	131997	7 RB / 0 RB
7	& Radiated	QPSK	5 MHz	23230	1 RB / 0 RB	5 MHz	132322	8 RB / 0 RB
	Emission		5 MHz	23255	1 RB / 0 RB	5 MHz	132647	9 RB / 0 RB

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### **MEASUREMENT UNCERTAINTY** 5

Test Items	Uncertainty
RF Power Output	+/- 1.10 dB
ERP/ EIRP measurement	Vertical Polarization = +/- 4.74dB Horizontal Polarization =+/- 4.62dB
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC=+/- 0.2%

# Radiated Spurious Emission:

	9kHz – 30MHz: +/- 2.87 dB			
Magaziramantunaartaintu	30MHz - 180MHz: +/- 3.37dB			
Measurement uncertainty (Polarization : <b>Vertical</b> )	180MHz -417MHz: +/- 3.19dB			
	0.417GHz-1GHz: +/- 3.19dB			
	1GHz - 18GHz: +/- 4.04dB			
	18GHz - 40GHz: +/- 4.04dB			

	9kHz – 30MHz: +/- 2.87 dB
Maggingeneration	30MHz - 167MHz: +/- 4.22dB
Measurement uncertainty (Polarization : <b>Horizontal</b> )	167MHz -500MHz: +/- 3.44dB
(i cialization : honzontar)	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	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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### MAXMUM OUTPUT POWER 6

#### 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.

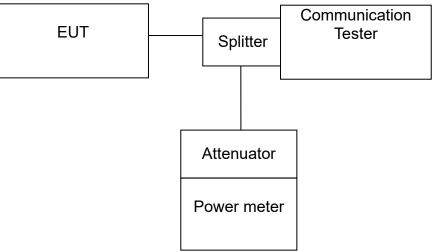
# FCC 27.50 (b)

(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(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.

#### 6.2 Test Set-up



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

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### 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, (WCD-MA/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 ERP/EIRP = PMeas + GT-LC

Where:

ERP/EIRP	= effective or equivalent radiated power, respectively (expressed in the
	same units as PMeas, typically dBW or dBm);
PMeas	= measured transmitter output power or PSD, in dBm or dBW;
GT	= gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)
LC	<ul> <li>signal attenuation in the connecting cable between the transmitter and antenna, in dB.2</li> </ul>

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

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### 6.5 **Measurement Equipment Used**

EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/06/2019	03/05/2020
DC Power Supply	Agilent	E3640A	MY53140006	05/31/2019	05/30/2020
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/09/2019	01/08/2020
Radio Communication Analyzer	Anritsu	MT8821C	6262044739	12/06/2019	12/05/2020
Splitter	Marvelous	MVE8586	RF265	11/20/2019	11/19/2020
DC Block	PASTERNACK	PE8210	RF256	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF268	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF219	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF207	11/20/2019	11/19/2020

### 6.6 LTE Measurement Results:

Antenna gain	(40)	3.61	First Band					Antenna gain		1.42	Second Band					Power(dBm)		FIDE	(dBm)						
Band	Range	Modulation		Channel	Frequency	RB		Band	Range	Modulation	Band width		Frequency	RB	PCC	SCC	Total	PCC	SCC						
Dana	Low	OPSK	5 MHz	18625	1852.5	1		Dana	Low	OPSK	5 MHz	20425	826.5	1	20,74	18.95	22.95	24.35	20.37						
	2011	QPSK	5 MHz	18900	1880	1			2.011	QPSK	5 MHz	20525	836.5	1	19.58	19.02	22.32	23.19	20.44						
2A	Mid	QPSK	5 MHz	18900	1880	1	+	5A	Mid	QPSK	10 MHz	20525	836.5	1	19.57	18.92	22.27	23.18	20.34						
24		QPSK	20 MHz	18900	1880	1		34		QPSK	5 MHz	20525	836.5	1	19.15	19.06	22.12	22.76	20.48						
		QPSK	20 MHz	18900	1880	1				QPSK	10 MHz	20525	836.5	1	19.23	18.97	22.11	22.84	20.39						
	High	QPSK	5 MHz	19175	1907.5	1			High	QPSK	5 MHz	20625	846.5	1	19.2	18.99	22.11	22.81	18.99						
ntenna gain	(dBi)	3.61						Antenna gain	(dBi)	0.01															
	. /		First Band					Ĭ	( <i>/</i>		Second Band	i				Power(dBm)		EIRF	(dBm)						
Band	Range	Modulation	Band width	Channel	Frequency	RB		Band	Range	Modulation	Band width	Channel	Frequency	RB	PCC	SCC	Total	PCC	SCC						
	Low	QPSK	20 MHz	18700	1860	1	+		Low	QPSK	10 MHz	23230	782	1	20.79	21.21	24.01	24.40	21.22						
2A	Mid	QPSK	5 MHz	18900	1880	1		13A	Mid	QPSK	10 MHz	23230	782	1	19.27	18.46	21.9	22.88	18.47						
201		QPSK	20 MHz	18900	1880	1		10/1		QPSK	10 MHz	23230	782	1	19.19	20.3	22.79	22.80	20.31						
ntenne sein	High	QPSK 2.07	20 MHz	19100	1900	1		Antonno solo	High	QPSK 442	10 MHz	23230	782	1	19.88	18.91	22.43	23.49	18.92						
ntenna gain	(dBI)	3.27	First Band					Antenna gain	i (dBl)	1.42	Second Band					Power(dBm)		EIDE	(dBm)						
Band	Range	Modulation		Channel	Frequency	RB		Band	Range	Modulation	Band width		Frequency	RB	PCC	SCC	Total	PCC	SCC						
Dana	low	QPSK	5 MHz	19975	1712.5	1		Dana	Low	QPSK	10 MHz	20450	829	1	21.07	19.29	23.28	24.34	20.71						
	2011	QPSK	5 MHz	20175	1732.5	1			2011	QPSK	5 MHz	20525	836.5	1	22.01	21.38	24.72	25.28	22.80						
		QPSK	5 MHz	20175	1732.5	1	+			QPSK	10 MHz	20525	836.5	1	22.06	21.52	24.81	25.33	22.94						
4A	Mid	QPSK	20 MHz	20175	1732.5	1		5A	Mid	QPSK	5 MHz	20525	836.5	1	21.95	21.36	24.67	25.22	22.78						
		QPSK	20 MHz	20175	1732.5	1				QPSK	10 MHz	20525	836.5	1	22	21.39	24.71	25.27	22.81						
	High	QPSK	5 MHz	20375	1752.5	1			High	QPSK	10 MHz	20600	844	1	21.86	18.74	23.58	25.13	20.16						
ntenna gain	(dBi)	3.27						Antenna gain	ı (dBi)	0.01															
			First Band			-					Second Band					Power(dBm)			(dBm)						
Band	Range	Modulation		Channel	Frequency	RB		Band	Range		Band width	Channel	Frequency	RB	PCC	SCC	Total	PCC	SCC						
	Low	QPSK QPSK	5 MHz 5 MHz	19975 20175	1712.5 1732.5	1	+		Low	QPSK QPSK	10 MHz 10 MHz	23230	782	1	20.9	22.49 21.19	24.78 24.47	24.17 24.97	22.50						
4A	Mid	QPSK	20 MHz	20175	1732.5	1		13A	Mid	QPSK	10 MHz	23230	782	1	23.06	18.52	24.47	26.33	18.53						
	High	QPSK	5 MHz	20375	1752.5	1			High	QPSK	10 MHz	23230	782	1	21.78	18.89	23.58	25.05	18.90						
ntenna gain		1.42		20010	1102.0			Antenna gain		3.27	10 11112	20200	102		21.70	10.00	20.00	20.00	10.00						
			First Band								Second Band	1				Power(dBm)		EIRF	(dBm)						
Band	Range	Modulation		Channel	Frequency	RB		Band	Range	Modulation			Frequency	RB	PCC	SCC	Total	PCC	SCC						
	Low	QPSK	10 MHz	20450	829	1			Low	QPSK	5 MHz	131997	1712.5	1	24.05	19.17	25.27	25.47	22.44						
		QPSK	5 MHz	20525	836.5	1	+			QPSK	5 MHz	132322	1745	1	23.39	20.33	25.13	24.81	23.60						
5A	Mid	QPSK QPSK	5 MHz 10 MHz	20525 20525	836.5 836.5	1		66A	Mid	QPSK	20 MHz 5 MHz	132322 132322	1745 1745		23.44 23.93	20.42	25.2	24.86	23.69 22.60						
						1				QPSK				1			25.22	25.35							
	High	QPSK OPSK	10 MHz 10 MHz	20525	836.5 844	1			Llink	QPSK QPSK	20 MHz 5 MHz	132322 132647	1745	1	23.38	20.32	25.15 25.05	24.80 24.73	23.59 23.53						
ntenna gain		1.42		20000	044			Antenna gain	(dBi)	1.42		132047	1111.5		20.01	20.20	25.05	24.73	23.55						
antonnia gain	(45)		First Band				1	/ unconnia gain	(ubi)	1.12	Second Band	1			T	Power(dBm)		EIDE	(dBm)						
Band	Range	Modulation	Band width	Channel	Frequency	RB		Band	Range	Modulation		Channel	Frequency	RB	PCC	SCC	Total		otal						
Dana	Low	QPSK	10 MHz	20450	829	1		Dana	Low	QPSK	10 MHz	20549	838.9	1	22.17	15.52	23.02		1.44						
	LOW	QPSK	5 MHz	20430	831.8	1			Low	QPSK	10 MHz	20550	839	1	22.07	15.82	22.95		1.44 1.37						
<b>FD</b>								60	5B Mid																
5B	Mid	QPSK	10 MHz	20500	834	1		58		5B Mid	5B Mid	5B Mid	5B Mid	5B Mid	5B Mid	5B Mid	QPSK	5 MHz	20572	841.2	1	22.18	15.63	23.04	
		QPSK	10 MHz	20476	831.6	1				QPSK	10 MHz	20575	841.5	1	22.21	15.62	23.07		1.49						
	High	QPSK	10 MHz	20501	834.1	1			High	QPSK	10 MHz	20600	844	1	22.17	15.57	23.03	24	1.45						
ntenna gain	(dBi)	0.012221						Antenna gain	ı (dBi)	3.27052															
			First Band								Second Band					Power(dBm)			(dBm)						
Band	Range	Modulation	Band width	Channel	Frequency	RB	1	Band	Range	Modulation		Channel	Frequency	RB	PCC	SCC	Total	PCC	SCC						
	Low	QPSK	5 MHz	23205	779.5	1			Low	QPSK	5 MHz	131997	1712.5	1	24.24	17.46	25.07	24.25	20.73						
		QPSK	5 MHz	23230	782	1				QPSK	5 MHz	132322	1745	1	23.01	20.69	25.01	23.02	23.96						
	Mid	QPSK	5 MHz	23230	782	1	+	004		QPSK	20 MHz	132322	1745	1	22.97	20.38	24.87	22.98	23.65						
40.4			10 MHz	23230	782	1	1	66A	Mid	QPSK	5 MHz	132322	1745	1	24.01	17.76	24.93	24.02	21.03						
13A	Wild	QPSK	10 MHZ																						
13A	WIG					1							1745	1				22.32	23.66						
13A	High	QPSK QPSK QPSK	10 MHz 10 MHz 5 MHz	23230	782	1			High	QPSK QPSK	20 MHz 5 MHz	132322 132647	1745 1777.5	1	22.31	20.39	24.47	22.32 23.41	23.66 20.93						

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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)

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(c) for LTE B13

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (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 (-13dBm)

# FCC §27.53 (f) for LTE B13

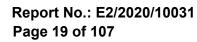
For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment 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.

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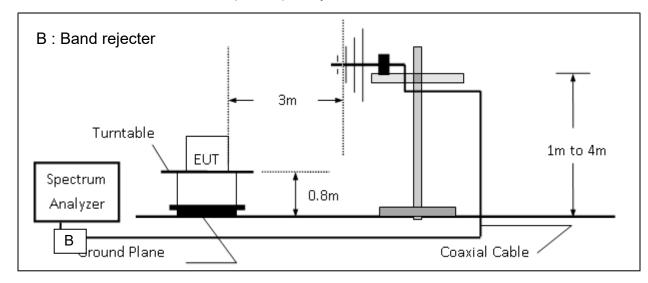
# Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment

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.

### 7.2 **EUT Setup**

Radiated Emission Test Set-Up, Frequency Below 1000MHz

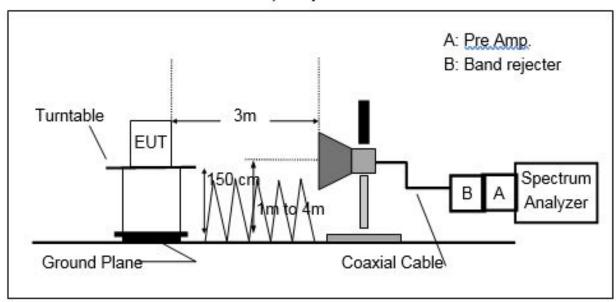


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# Radiated Emission Test Set-UP Frequency Over 1 GHz

#### 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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### **Measurement Equipment Used:** 7.4

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWAZBECK	VULB 9168	9168-617	11/04/2019	11/03/2020
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/09/2019	01/08/2020
Horn Antenna	Schwarzbeck	BBHA9170	185	08/07/2019	08/06/2020
Horn Antenna	Schwarzbeck	BBHA9120D	1341	06/12/2019	06/11/2020
3m Site NSA	SGS	966 chamber D	N/A	07/12/2019	07/11/2020
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	06/10/2019	06/09/2020
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC12630SE	980271	11/20/2019	11/19/2020
Highpass Filter	Micro Tronics	BRM50701-01	G008	11/20/2019	11/19/2020
High Pass Filter	Micro-Tronics	G003	RF99	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0037	RF54	11/20/2019	11/19/2020
Notch Filter	Woken	EWT-54-0038	RF55	11/20/2019	11/19/2020
Lowpass Filter	Woken	EWT-56-0019	RF46	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/20/2019	11/19/2020

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**Test Channel** 

#### 7.5 **Measurement Result:** Internal PIFA Antenna Radiated Spurious Emission Measurement Result: LTE Band 2 + LTE Band 5 Mode Test Date :2020-01-02 **Report Number** :E2/2020/10031 **Operation Mode** :LTE B2+B5 Temp./Humi. :21.8/55 Test Mode :TX CH LOW Antenna Pol. :VERTICAL EUT Pol Engineer :E2 Plan :Kailin

:1852.5 MHz +826.5 MHz

			Frequency	v (MHz)				
-90 <mark>-30</mark> -90	4024.	8	018.	120	12.	1600	6.	2000
<b></b>								
.70								
5 <sup>6</sup> 7	8							
50		ĭ						
		9						
30								
								-6dB
10								
10								
30								

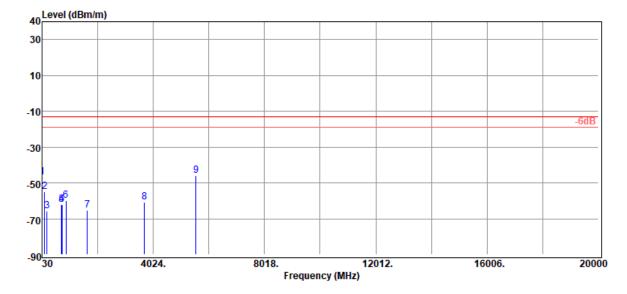
SG Cable Limit Freq. EIRP/ERP Antenna Margin **Output Level** Loss Gain MHz dBm dBm dBi/dBd dB dBm dB -39.05 49.40 -53.38 -0.74 -40.38-13.59-13.00 125.06 -50.05 -40.91 -1.44 -13.00 -7.70 -37.05 144.46 -46.32-13.00 -53.52 -5.65 -1.55 -40.52270.56 -56.14 -52.71 -1.39 -2.04 -13.00 -43.14 -13.00 770.11 -64.46 -62.56 0.79 -2.69-51.46 912.70 -61.82 -60.23 -13.00 -48.82 1.57 -3.16 -71.38 -52.44 1653.00 -65.44 9.41 -3.47 -13.00 3705.00 -60.26 -66.43 12.11 -5.94 -47.26 -13.00 5557.50 -48.21 -54.63 13.30 -6.88 -13.00 -35.21

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1852.5 MHz +826.5 MHz		

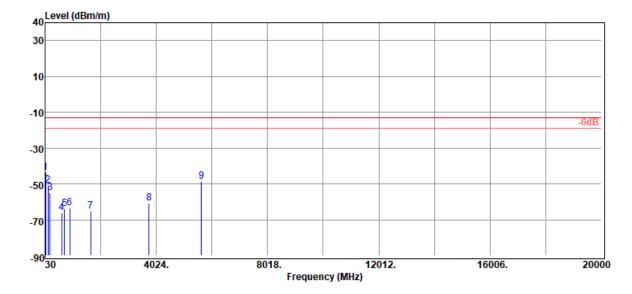


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
43.58	-46.67	-26.60	-19.33	-0.74	-13.00	-33.67
124.09	-54.89	-45.71	-7.76	-1.42	-13.00	-41.89
216.24	-65.54	-63.94	0.31	-1.91	-13.00	-52.54
730.34	-62.17	-60.17	0.73	-2.73	-13.00	-49.17
750.71	-62.16	-60.29	0.75	-2.62	-13.00	-49.16
885.54	-59.65	-57.87	1.39	-3.17	-13.00	-46.65
1653.00	-65.35	-71.29	9.41	-3.47	-13.00	-52.35
3705.00	-60.73	-66.90	12.11	-5.94	-13.00	-47.73
5557.50	-45.88	-52.30	13.30	-6.88	-13.00	-32.88

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +836.5 MHz		

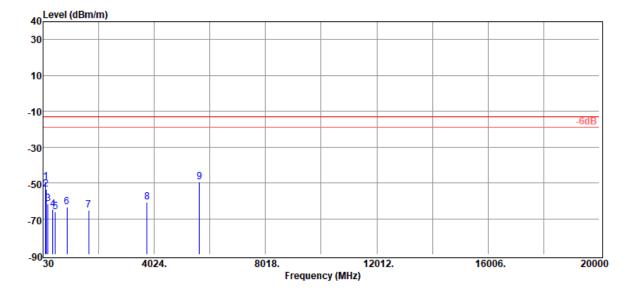


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
	10.10		10.00	o = (	10.00	
44.55	-43.49	-24.42	-18.33	-0.74	-13.00	-30.49
144.46	-51.03	-43.83	-5.65	-1.55	-13.00	-38.03
206.54	-54.99	-52.71	-0.44	-1.84	-13.00	-41.99
636.25	-66.11	-63.26	-0.24	-2.61	-13.00	-53.11
728.40	-64.02	-62.10	0.74	-2.66	-13.00	-51.02
915.61	-63.40	-61.78	1.60	-3.22	-13.00	-50.40
1673.00	-65.23	-71.23	9.49	-3.49	-13.00	-52.23
3760.00	-60.56	-66.43	12.20	-6.33	-13.00	-47.56
5640.00	-48.53	-54.82	13.46	-7.17	-13.00	-35.53

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +836.5 MHz		

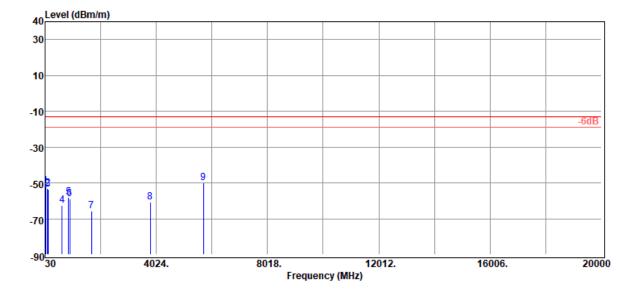


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
125.06	-49.39	-40.25	-7.70	-1.44	-13.00	-36.39
143.49	-53.48	-46.13	-5.80	-1.55	-13.00	-40.48
216.24	-61.54	-59.94	0.31	-1.91	-13.00	-48.54
388.90	-64.84	-61.64	-0.60	-2.60	-13.00	-51.84
464.56	-65.96	-62.24	-0.69	-3.03	-13.00	-52.96
885.54	-63.65	-61.87	1.39	-3.17	-13.00	-50.65
1673.00	-65.30	-71.30	9.49	-3.49	-13.00	-52.30
3760.00	-60.77	-66.64	12.20	-6.33	-13.00	-47.77
5640.00	-49.47	-55.76	13.46	-7.17	-13.00	-36.47

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1907.5 MHz +846.5 MHz		

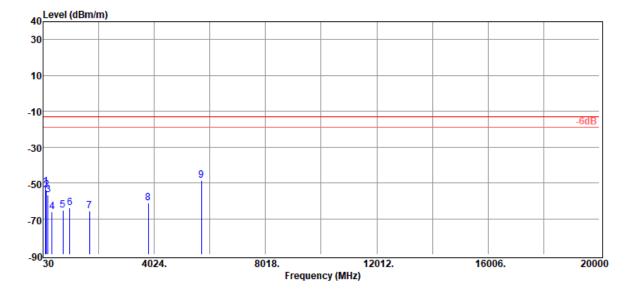


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
52.31	-51.73	-40.18	-10.78	-0.77	-13.00	-38.73
125.06	-53.02	-43.88	-7.70	-1.44	-13.00	-40.02
144.46	-53.35	-46.15	-5.65	-1.55	-13.00	-40.35
645.95	-62.66	-60.28	-0.04	-2.34	-13.00	-49.66
874.87	-58.14	-56.09	1.30	-3.35	-13.00	-45.14
917.55	-58.98	-57.34	1.62	-3.26	-13.00	-45.98
1693.00	-65.64	-71.69	9.57	-3.52	-13.00	-52.64
3815.00	-60.65	-66.28	12.20	-6.57	-13.00	-47.65
5722.50	-50.17	-55.74	13.30	-7.73	-13.00	-37.17

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1907.5 MHz +846.5 MHz		



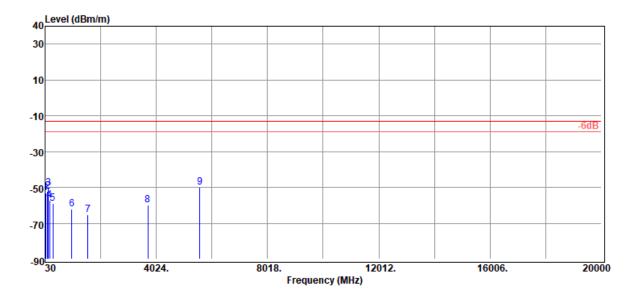
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
125.06	-52.39	-43.25	-7.70	-1.44	-13.00	-39.39
158.04	-53.91	-48.89	-3.46	-1.56	-13.00	-40.91
216.24	-56.54	-54.94	0.31	-1.91	-13.00	-43.54
357.86	-66.28	-63.27	-0.67	-2.34	-13.00	-53.28
750.71	-65.16	-63.29	0.75	-2.62	-13.00	-52.16
993.21	-63.83	-62.09	1.63	-3.37	-13.00	-50.83
1693.00	-65.78	-71.83	9.57	-3.52	-13.00	-52.78
3815.00	-61.09	-66.72	12.20	-6.57	-13.00	-48.09
5722.50	-48.56	-54.13	13.30	-7.73	-13.00	-35.56

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# Radiated Spurious Emission Measurement Result: LTE Band 2 + LTE Band 13 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz +782 MHz		



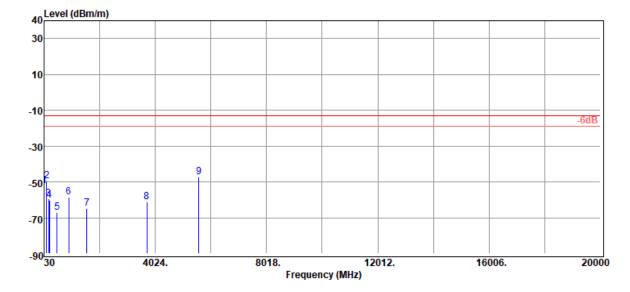
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
54.25	-53.01	-43.01	-9.20	-0.80	-13.00	-40.01
125.06	-52.13	-42.99	-7.70	-1.44	-13.00	-39.13
158.04	-50.36	-45.34	-3.46	-1.56	-13.00	-37.36
199.75	-57.01	-54.67	-0.50	-1.84	-13.00	-44.01
309.36	-58.91	-55.70	-0.72	-2.49	-13.00	-45.91
997.09	-62.16	-60.43	1.69	-3.42	-13.00	-49.16
1564.00	-65.36	-70.46	8.84	-3.74	-13.00	-52.36
3720.00	-59.98	-66.07	12.14	-6.05	-13.00	-46.98
5580.00	-50.08	-56.46	13.30	-6.92	-13.00	-37.08

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz +782 MHz		

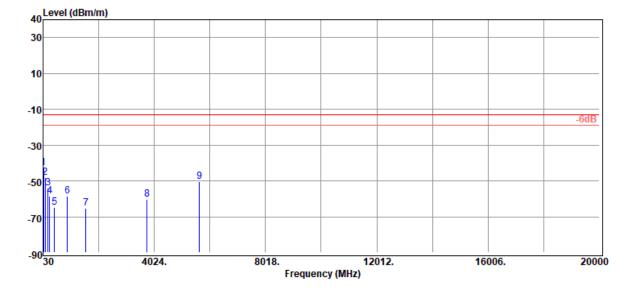


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-52.21	-31.11	-20.36	-0.74	-13.00	-39.21
125.06	-49.31	-40.17	-7.70	-1.44	-13.00	-36.31
202.66	-59.51	-57.16	-0.51	-1.84	-13.00	-46.51
219.15	-60.40	-58.77	0.31	-1.94	-13.00	-47.40
493.66	-66.94	-63.67	-0.75	-2.52	-13.00	-53.94
912.70	-58.44	-56.85	1.57	-3.16	-13.00	-45.44
1564.00	-64.71	-69.81	8.84	-3.74	-13.00	-51.71
3720.00	-61.16	-67.25	12.14	-6.05	-13.00	-48.16
5580.00	-47.44	-53.82	13.30	-6.92	-13.00	-34.44

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:E2/2020/10031	Test Date	:2020-01-02
:LTE B2+B13	Temp./Humi.	:21.8/55
:TX CH MID + MID	Antenna Pol.	:VERTICAL
:E2 Plan	Engineer	:Kailin
:1880 MHz +782 MHz		
	:LTE B2+B13 :TX CH MID + MID :E2 Plan	:LTE B2+B13 Temp./Humi. :TX CH MID + MID Antenna Pol. :E2 Plan Engineer

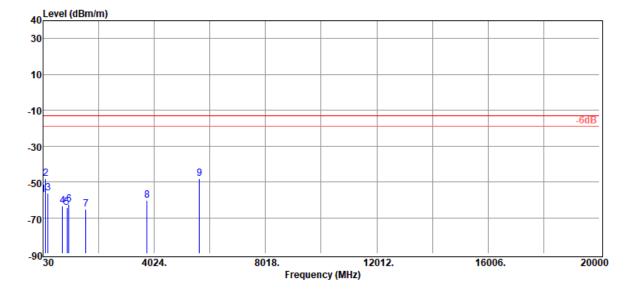


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
50.40	40.00	04.75	7.05	0.00	40.00	00.00
58.13	-42.96	-34.75	-7.35	-0.86	-13.00	-29.96
110.51	-48.15	-39.05	-7.77	-1.33	-13.00	-35.15
212.36	-54.11	-52.23	-0.01	-1.87	-13.00	-41.11
262.80	-58.29	-54.03	-2.23	-2.03	-13.00	-45.29
436.43	-64.64	-61.05	-0.84	-2.75	-13.00	-51.64
901.06	-58.44	-56.85	1.45	-3.04	-13.00	-45.44
1564.00	-65.16	-70.26	8.84	-3.74	-13.00	-52.16
3760.00	-60.19	-66.06	12.20	-6.33	-13.00	-47.19
5640.00	-50.42	-56.71	13.46	-7.17	-13.00	-37.42

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +782 MHz		

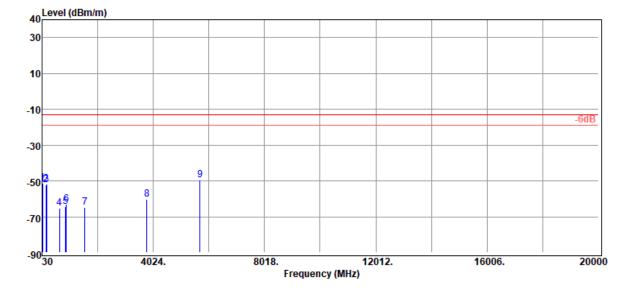


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-57.21	-36.11	-20.36	-0.74	-13.00	-44.21
124.09	-48.24	-39.06	-7.76	-1.42	-13.00	-35.24
217.21	-56.39	-54.78	0.31	-1.92	-13.00	-43.39
728.40	-63.44	-61.52	0.74	-2.66	-13.00	-50.44
888.45	-64.26	-62.55	1.37	-3.08	-13.00	-51.26
963.14	-62.65	-60.68	1.70	-3.67	-13.00	-49.65
1564.00	-65.47	-70.57	8.84	-3.74	-13.00	-52.47
3760.00	-60.42	-66.29	12.20	-6.33	-13.00	-47.42
5640.00	-48.23	-54.52	13.46	-7.17	-13.00	-35.23

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:E2/2020/10031	Test Date	:2020-01-02
:LTE B2+B13	Temp./Humi.	:21.8/55
:TX CH HIGH + MID	Antenna Pol.	:VERTICAL
:E2 Plan	Engineer	:Kailin
:1900 MHz +782 MHz		
	:LTE B2+B13 :TX CH HIGH + MID :E2 Plan	:LTE B2+B13 Temp./Humi. :TX CH HIGH + MID Antenna Pol. :E2 Plan Engineer

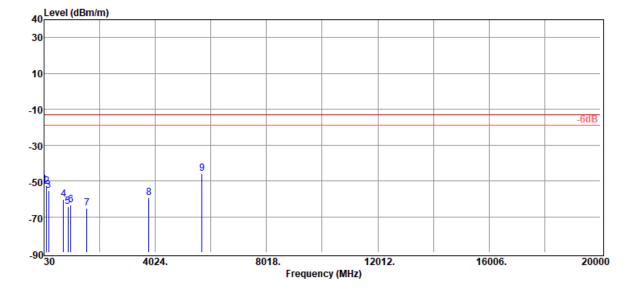


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-51.42	-37.09	-13.59	-0.74	-13.00	-38.42
161.92	-52.38	-47.95	-2.86	-1.57	-13.00	-39.38
202.66	-51.54	-49.19	-0.51	-1.84	-13.00	-38.54
663.41	-65.12	-63.08	0.23	-2.27	-13.00	-52.12
870.99	-64.17	-62.16	1.34	-3.35	-13.00	-51.17
907.85	-63.15	-61.58	1.52	-3.09	-13.00	-50.15
1564.00	-64.67	-69.77	8.84	-3.74	-13.00	-51.67
3800.00	-60.16	-65.76	12.20	-6.60	-13.00	-47.16
5700.00	-49.63	-55.43	13.30	-7.50	-13.00	-36.63

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1900 MHz +782 MHz		



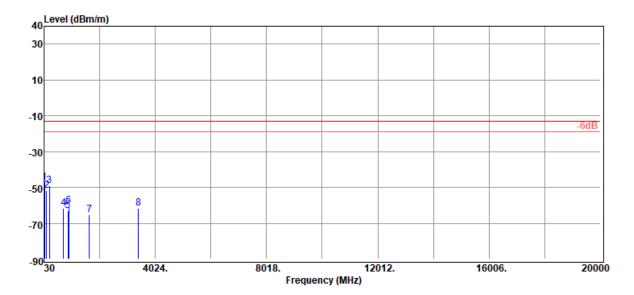
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-52.21	-31.11	-20.36	-0.74	-13.00	-39.21
124.09	-53.24	-44.06	-7.76	-1.42	-13.00	-40.24
202.66	-55.51	-53.16	-0.51	-1.84	-13.00	-42.51
728.40	-60.44	-58.52	0.74	-2.66	-13.00	-47.44
888.45	-64.26	-62.55	1.37	-3.08	-13.00	-51.26
995.15	-63.39	-61.71	1.72	-3.40	-13.00	-50.39
1564.00	-65.48	-70.58	8.84	-3.74	-13.00	-52.48
3800.00	-59.30	-64.90	12.20	-6.60	-13.00	-46.30
5700.00	-45.86	-51.66	13.30	-7.50	-13.00	-32.86

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# Radiated Spurious Emission Measurement Result: LTE Band 4 + LTE Band 5 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +829 MHz		



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
52.31	-47.12	-35.57	-10.78	-0.77	-13.00	-34.12
128.94	-51.63	-42.67	-7.44	-1.52	-13.00	-38.63
221.09	-49.25	-47.56	0.26	-1.95	-13.00	-36.25
728.40	-61.65	-59.73	0.74	-2.66	-13.00	-48.65
890.39	-63.19	-61.51	1.35	-3.03	-13.00	-50.19
924.34	-60.10	-58.46	1.67	-3.31	-13.00	-47.10
1658.00	-65.11	-71.07	9.43	-3.47	-13.00	-52.11
3425.00	-61.62	-68.92	12.50	-5.20	-13.00	-48.62

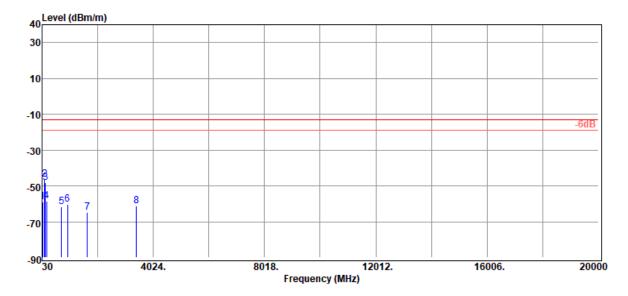
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GS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號



Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +829 MHz		

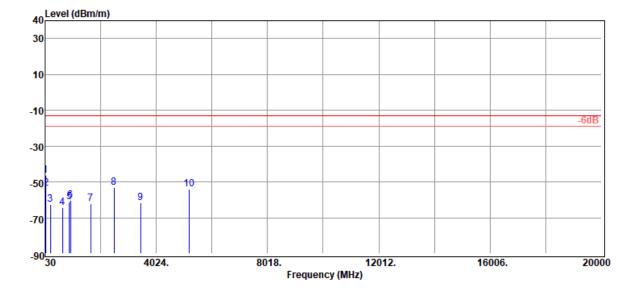


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-58.74	-44.41	-13.59	-0.74	-13.00	-45.74
124.09	-46.24	-37.06	-7.76	-1.42	-13.00	-33.24
159.01	-48.29	-43.42	-3.31	-1.56	-13.00	-35.29
202.66	-58.51	-56.16	-0.51	-1.84	-13.00	-45.51
730.34	-61.68	-59.68	0.73	-2.73	-13.00	-48.68
946.65	-60.44	-59.04	1.82	-3.22	-13.00	-47.44
1658.00	-65.02	-70.98	9.43	-3.47	-13.00	-52.02
3425.00	-61.28	-68.58	12.50	-5.20	-13.00	-48.28

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +836.5 MHz		

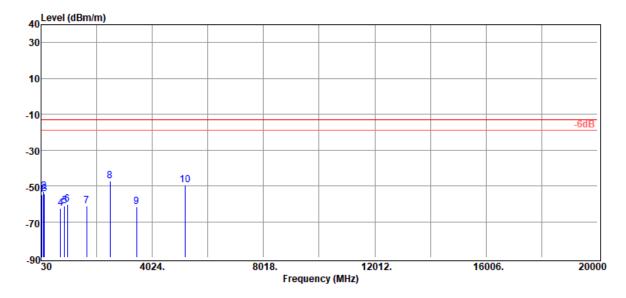


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-46.30	-33.88	-11.66	-0.76	-13.00	-33.30
68.80	-53.75	-45.46	-7.41	-0.88	-13.00	-40.75
222.06	-62.35	-60.62	0.22	-1.95	-13.00	-49.35
665.35	-64.20	-62.22	0.32	-2.30	-13.00	-51.20
900.09	-61.36	-59.77	1.44	-3.03	-13.00	-48.36
948.59	-60.39	-59.04	1.87	-3.22	-13.00	-47.39
1673.00	-62.13	-68.13	9.49	-3.49	-13.00	-49.13
2509.50	-53.06	-60.09	10.76	-3.73	-13.00	-40.06
3465.00	-61.86	-69.00	12.44	-5.30	-13.00	-48.86
5197.50	-54.13	-60.34	12.88	-6.67	-13.00	-41.13

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +836.5 MHz		

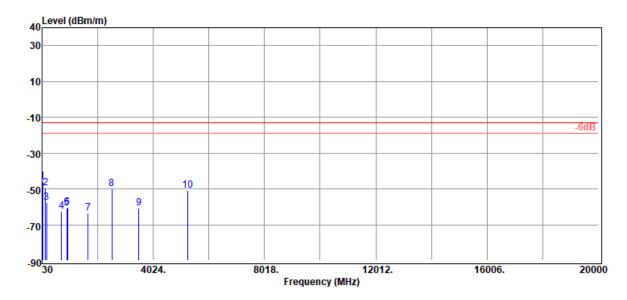


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-54.74	-40.41	-13.59	-0.74	-13.00	-41.74
125.06	-53.31	-44.17	-7.70	-1.44	-13.00	-40.31
154.16	-54.63	-49.01	-4.06	-1.56	-13.00	-41.63
728.40	-62.44	-60.52	0.74	-2.66	-13.00	-49.44
874.87	-61.41	-59.36	1.30	-3.35	-13.00	-48.41
969.93	-60.34	-58.27	1.60	-3.67	-13.00	-47.34
1673.00	-61.12	-67.12	9.49	-3.49	-13.00	-48.12
2509.50	-47.19	-54.22	10.76	-3.73	-13.00	-34.19
3465.00	-61.79	-68.93	12.44	-5.30	-13.00	-48.79
5197.50	-49.65	-55.86	12.88	-6.67	-13.00	-36.65

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +844 MHz		

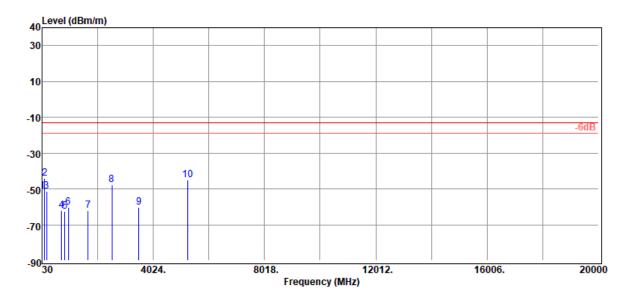


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.46	-45.86	-29.52	-15.60	-0.74	-13.00	-32.86
158.04	-49.73	-44.71	-3.46	-1.56	-13.00	-36.73
200.72	-57.61	-55.25	-0.52	-1.84	-13.00	-44.61
730.34	-62.78	-60.78	0.73	-2.73	-13.00	-49.78
920.46	-60.71	-59.04	1.64	-3.31	-13.00	-47.71
946.65	-60.20	-58.80	1.82	-3.22	-13.00	-47.20
1688.00	-63.68	-69.72	9.55	-3.51	-13.00	-50.68
2532.00	-50.03	-57.17	10.89	-3.75	-13.00	-37.03
3505.00	-60.74	-67.61	12.28	-5.41	-13.00	-47.74
5257.50	-50.64	-57.44	13.32	-6.52	-13.00	-37.64

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +844 MHz		



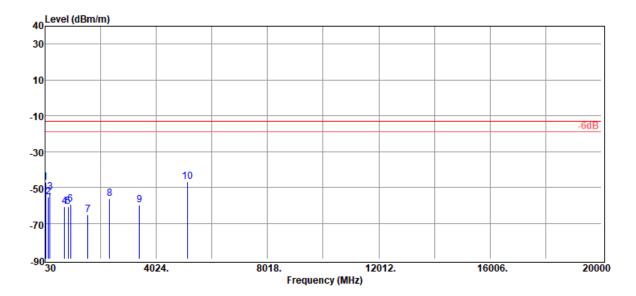
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-51.21	-30.11	-20.36	-0.74	-13.00	-38.21
124.09	-44.24	-35.06	-7.76	-1.42	-13.00	-31.24
202.66	-51.51	-49.16	-0.51	-1.84	-13.00	-38.51
727.43	-62.14	-60.26	0.75	-2.63	-13.00	-49.14
848.68	-62.40	-60.63	1.16	-2.93	-13.00	-49.40
972.84	-60.37	-58.37	1.57	-3.57	-13.00	-47.37
1688.00	-62.18	-68.22	9.55	-3.51	-13.00	-49.18
2532.00	-47.75	-54.89	10.89	-3.75	-13.00	-34.75
3505.00	-60.11	-66.98	12.28	-5.41	-13.00	-47.11
5257.50	-45.03	-51.83	13.32	-6.52	-13.00	-32.03

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## Radiated Spurious Emission Measurement Result: LTE Band 4 + LTE Band 13 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +782 MHz		



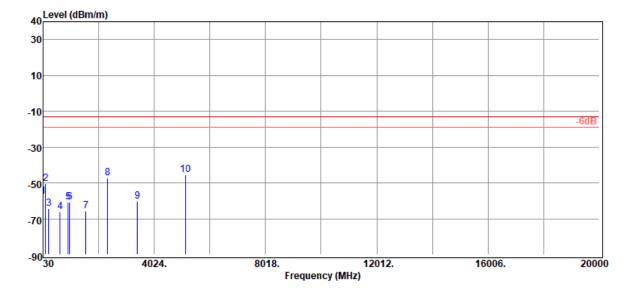
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
44.55	-47.27	-28.20	-18.33	-0.74	-13.00	-34.27
146.40	-55.49	-48.61	-5.33	-1.55	-13.00	-42.49
216.24	-52.54	-50.94	0.31	-1.91	-13.00	-39.54
728.40	-60.64	-58.72	0.74	-2.66	-13.00	-47.64
868.08	-60.58	-58.64	1.33	-3.27	-13.00	-47.58
941.80	-59.36	-58.01	1.87	-3.22	-13.00	-46.36
1564.00	-65.33	-70.43	8.84	-3.74	-13.00	-52.33
2346.00	-56.41	-61.54	9.67	-4.54	-13.00	-43.41
3425.00	-59.99	-67.29	12.50	-5.20	-13.00	-46.99
5137.50	-46.66	-52.76	12.58	-6.48	-13.00	-33.66

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +782 MHz		

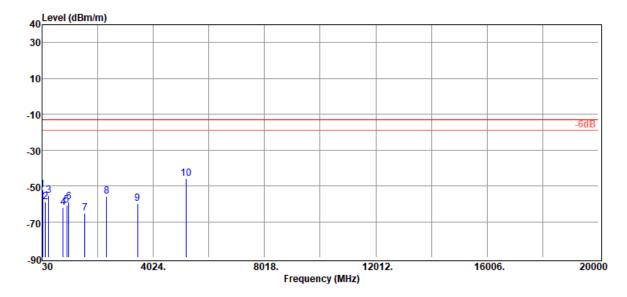


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-57.52	-36.42	-20.36	-0.74	-13.00	-44.52
124.09	-50.50	-41.32	-7.76	-1.42	-13.00	-37.50
237.58	-64.37	-61.65	-0.74	-1.98	-13.00	-51.37
645.95	-66.21	-63.83	-0.04	-2.34	-13.00	-53.21
928.22	-60.58	-59.05	1.78	-3.31	-13.00	-47.58
991.27	-60.66	-58.84	1.53	-3.35	-13.00	-47.66
1564.00	-65.57	-70.67	8.84	-3.74	-13.00	-52.57
2346.00	-47.40	-52.53	9.67	-4.54	-13.00	-34.40
3425.00	-60.48	-67.78	12.50	-5.20	-13.00	-47.48
5137.50	-45.64	-51.74	12.58	-6.48	-13.00	-32.64

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +782 MHz		

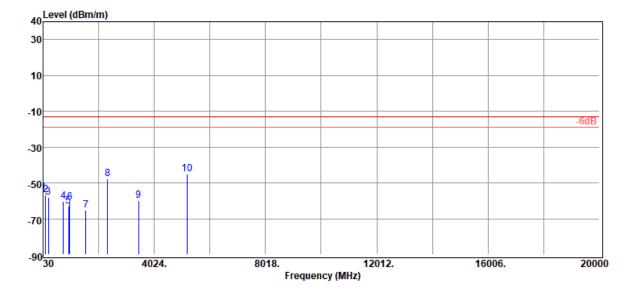


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
54.25	-52.08	-42.08	-9.20	-0.80	-13.00	-39.08
151.25	-58.84	-52.76	-4.52	-1.56	-13.00	-45.84
267.65	-55.14	-51.43	-1.68	-2.03	-13.00	-42.14
790.48	-62.10	-59.97	0.91	-3.04	-13.00	-49.10
916.58	-60.82	-59.19	1.61	-3.24	-13.00	-47.82
996.12	-58.75	-57.05	1.71	-3.41	-13.00	-45.75
1564.00	-65.45	-70.55	8.84	-3.74	-13.00	-52.45
2346.00	-55.69	-60.82	9.67	-4.54	-13.00	-42.69
3465.00	-59.95	-67.09	12.44	-5.30	-13.00	-46.95
5197.50	-45.93	-52.14	12.88	-6.67	-13.00	-32.93

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +782 MHz		

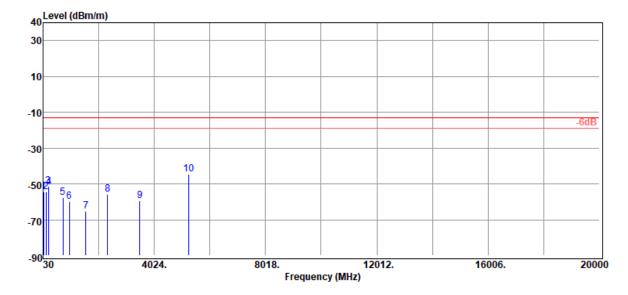


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
43.58	-55.29	-35.22	-19.33	-0.74	-13.00	-42.29
125.06	-56.65	-47.51	-7.70	-1.44	-13.00	-43.65
222.06	-57.98	-56.25	0.22	-1.95	-13.00	-44.98
761.38	-60.30	-58.40	0.79	-2.69	-13.00	-47.30
947.62	-62.89	-61.51	1.84	-3.22	-13.00	-49.89
988.36	-60.87	-59.03	1.49	-3.33	-13.00	-47.87
1564.00	-65.48	-70.58	8.84	-3.74	-13.00	-52.48
2346.00	-47.92	-53.05	9.67	-4.54	-13.00	-34.92
3465.00	-59.96	-67.10	12.44	-5.30	-13.00	-46.96
5197.50	-45.10	-51.31	12.88	-6.67	-13.00	-32.10

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +782 MHz		

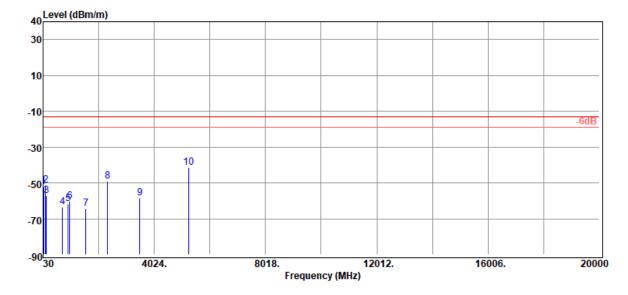


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
	- / / 0	40.00	11.00		10.00	
51.34	-54.42	-42.00	-11.66	-0.76	-13.00	-41.42
144.46	-54.40	-47.20	-5.65	-1.55	-13.00	-41.40
221.09	-51.46	-49.77	0.26	-1.95	-13.00	-38.46
236.61	-51.89	-49.25	-0.66	-1.98	-13.00	-38.89
746.83	-57.53	-55.58	0.66	-2.61	-13.00	-44.53
981.57	-59.76	-57.93	1.50	-3.33	-13.00	-46.76
1564.00	-65.42	-70.52	8.84	-3.74	-13.00	-52.42
2346.00	-55.82	-60.95	9.67	-4.54	-13.00	-42.82
3505.00	-59.51	-66.38	12.28	-5.41	-13.00	-46.51
5257.50	-44.57	-51.37	13.32	-6.52	-13.00	-31.57

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +782 MHz		



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-52.06	-37.73	-13.59	-0.74	-13.00	-39.06
125.06	-51.44	-42.30	-7.70	-1.44	-13.00	-38.44
158.04	-57.32	-52.30	-3.46	-1.56	-13.00	-44.32
730.34	-63.34	-61.34	0.73	-2.73	-13.00	-50.34
929.19	-61.44	-59.94	1.81	-3.31	-13.00	-48.44
998.06	-60.28	-58.53	1.68	-3.43	-13.00	-47.28
1564.00	-64.54	-69.64	8.84	-3.74	-13.00	-51.54
2346.00	-49.03	-54.16	9.67	-4.54	-13.00	-36.03
3505.00	-58.71	-65.58	12.28	-5.41	-13.00	-45.71
5257.50	-41.38	-48.18	13.32	-6.52	-13.00	-28.38

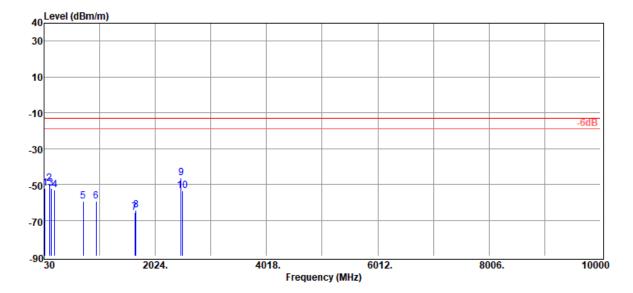
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## Radiated Spurious Emission Measurement Result: LTE Band 5 B + LTE Band 5 B Mode

Report Number	:E2/2020/10031
Operation Mode	:LTE B5+B5
Test Mode	:TX CH LOW
EUT Pol	:E2 Plan
Test Channel	:829 MHz +838.9 MHz

Test Date	:2020-01-02
Temp./Humi.	:21.8/55
Antenna Pol.	:VERTICAL
Engineer	:Kailin



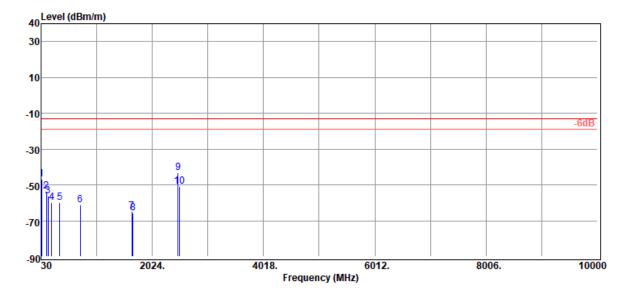
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.46	-52.26	-35.92	-15.60	-0.74	-13.00	-39.26
124.09	-49.39	-40.21	-7.76	-1.42	-13.00	-36.39
153.19	-52.33	-46.63	-4.14	-1.56	-13.00	-39.33
219.15	-53.25	-51.62	0.31	-1.94	-13.00	-40.25
730.34	-59.32	-57.32	0.73	-2.73	-13.00	-46.32
966.05	-59.31	-57.36	1.72	-3.67	-13.00	-46.31
1658.00	-65.51	-71.47	9.43	-3.47	-13.00	-52.51
1677.80	-64.23	-70.24	9.51	-3.50	-13.00	-51.23
2487.00	-46.51	-53.30	10.62	-3.83	-13.00	-33.51
2516.70	-53.44	-60.50	10.80	-3.74	-13.00	-40.44

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +838.9 MHz		

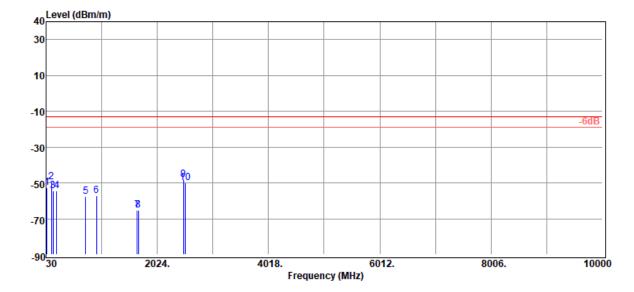


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
41.64	-46.80	-24.86	-21.20	-0.74	-13.00	-33.80
124.09	-53.46	-44.28	-7.76	-1.42	-13.00	-40.46
158.04	-56.38	-51.36	-3.46	-1.56	-13.00	-43.38
219.15	-59.68	-58.05	0.31	-1.94	-13.00	-46.68
366.59	-59.94	-56.86	-0.52	-2.56	-13.00	-46.94
730.34	-61.32	-59.32	0.73	-2.73	-13.00	-48.32
1658.00	-64.66	-70.62	9.43	-3.47	-13.00	-51.66
1677.80	-65.62	-71.63	9.51	-3.50	-13.00	-52.62
2487.00	-43.24	-50.03	10.62	-3.83	-13.00	-30.24
2516.70	-50.68	-57.74	10.80	-3.74	-13.00	-37.68

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:831.6 MHz +841.5 MHz		

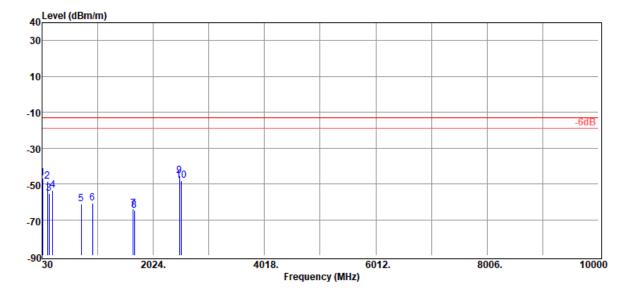


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
46.49	-52.62	-35.28	-16.60	-0.74	-13.00	-39.62
124.09	-49.39	-40.21	-7.76	-1.42	-13.00	-36.39
153.19	-54.33	-48.63	-4.14	-1.56	-13.00	-41.33
219.15	-54.25	-52.62	0.31	-1.94	-13.00	-41.25
739.07	-57.48	-55.51	0.65	-2.62	-13.00	-44.48
934.04	-57.22	-55.74	1.79	-3.27	-13.00	-44.22
1663.20	-65.32	-71.29	9.45	-3.48	-13.00	-52.32
1683.00	-65.44	-71.46	9.53	-3.51	-13.00	-52.44
2494.80	-48.14	-55.05	10.67	-3.76	-13.00	-35.14
2524.50	-50.00	-57.11	10.85	-3.74	-13.00	-37.00

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:831.6 MHz +841.5 MHz		

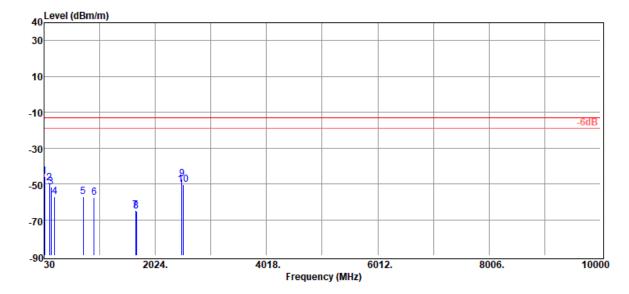


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.67	-46.91	-24.25	-21.92	-0.74	-13.00	-33.91
125.06	-48.61	-39.47	-7.70	-1.44	-13.00	-35.61
158.04	-55.38	-50.36	-3.46	-1.56	-13.00	-42.38
219.15	-53.68	-52.05	0.31	-1.94	-13.00	-40.68
734.22	-61.13	-59.15	0.70	-2.68	-13.00	-48.13
932.10	-60.79	-59.31	1.81	-3.29	-13.00	-47.79
1663.20	-64.11	-70.08	9.45	-3.48	-13.00	-51.11
1683.00	-64.87	-70.89	9.53	-3.51	-13.00	-51.87
2494.80	-45.53	-52.44	10.67	-3.76	-13.00	-32.53
2524.50	-48.28	-55.39	10.85	-3.74	-13.00	-35.28

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:834.1 MHz +844 MHz		

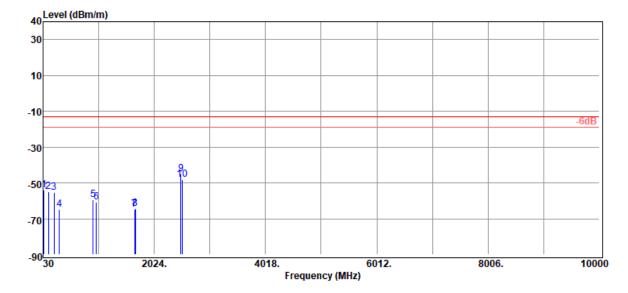


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
43.58	-46.04	-25.97	-19.33	-0.74	-13.00	-33.04
124.09	-49.39	-40.21	-7.76	-1.42	-13.00	-36.39
158.04	-51.56	-46.54	-3.46	-1.56	-13.00	-38.56
219.15	-57.25	-55.62	0.31	-1.94	-13.00	-44.25
730.34	-57.32	-55.32	0.73	-2.73	-13.00	-44.32
925.31	-57.80	-56.18	1.69	-3.31	-13.00	-44.80
1668.20	-64.96	-70.94	9.47	-3.49	-13.00	-51.96
1688.00	-65.18	-71.22	9.55	-3.51	-13.00	-52.18
2502.30	-47.47	-54.46	10.71	-3.72	-13.00	-34.47
2532.00	-50.22	-57.36	10.89	-3.75	-13.00	-37.22

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:834.1 MHz +844 MHz		



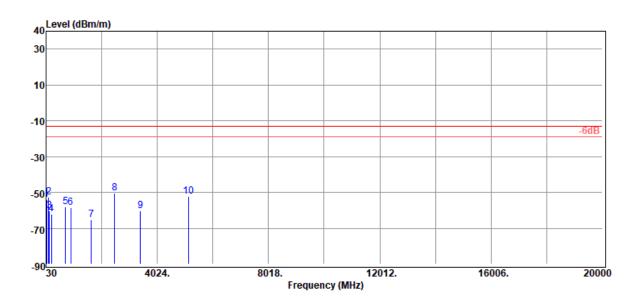
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
44.55	-53.88	-34.81	-18.33	-0.74	-13.00	-40.88
124.09	-54.86	-45.68	-7.76	-1.42	-13.00	-41.86
231.76	-55.41	-53.13	-0.32	-1.96	-13.00	-42.41
319.06	-64.64	-61.40	-0.73	-2.51	-13.00	-51.64
928.22	-59.56	-58.03	1.78	-3.31	-13.00	-46.56
989.33	-60.87	-59.02	1.48	-3.33	-13.00	-47.87
1668.20	-64.84	-70.82	9.47	-3.49	-13.00	-51.84
1688.00	-64.51	-70.55	9.55	-3.51	-13.00	-51.51
2502.30	-44.81	-51.80	10.71	-3.72	-13.00	-31.81
2532.00	-48.08	-55.22	10.89	-3.75	-13.00	-35.08

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## Radiated Spurious Emission Measurement Result: LTE Band 5 + LTE Band 66 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +1712.5 MHz		



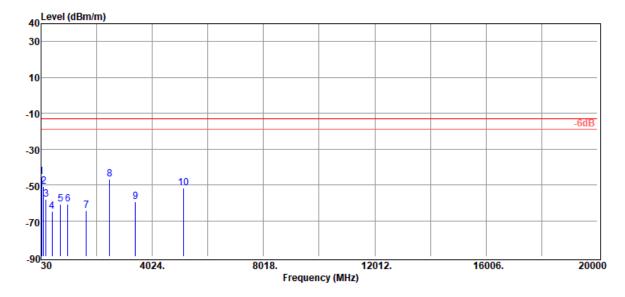
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
54.25	-54.07	-44.07	-9.20	-0.80	-13.00	-41.07
125.06	-52.67	-43.53	-7.70	-1.44	-13.00	-39.67
154.16	-60.52	-54.90	-4.06	-1.56	-13.00	-47.52
228.85	-62.01	-59.92	-0.14	-1.95	-13.00	-49.01
730.34	-57.88	-55.88	0.73	-2.73	-13.00	-44.88
924.34	-58.45	-56.81	1.67	-3.31	-13.00	-45.45
1658.00	-65.37	-71.33	9.43	-3.47	-13.00	-52.37
2487.00	-50.46	-57.25	10.62	-3.83	-13.00	-37.46
3425.00	-60.32	-67.62	12.50	-5.20	-13.00	-47.32
5137.50	-52.17	-58.27	12.58	-6.48	-13.00	-39.17

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +1712.5 MHz		

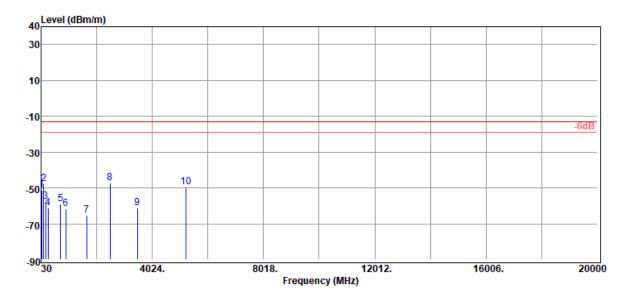


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.46	-45.59	-29.25	-15.60	-0.74	-13.00	-32.59
125.06	-50.69	-41.55	-7.70	-1.44	-13.00	-37.69
216.24	-57.87	-56.27	0.31	-1.91	-13.00	-44.87
432.55	-64.88	-61.12	-0.92	-2.84	-13.00	-51.88
730.34	-60.88	-58.88	0.73	-2.73	-13.00	-47.88
992.24	-60.60	-58.82	1.58	-3.36	-13.00	-47.60
1658.00	-64.48	-70.44	9.43	-3.47	-13.00	-51.48
2487.00	-47.04	-53.83	10.62	-3.83	-13.00	-34.04
3425.00	-59.33	-66.63	12.50	-5.20	-13.00	-46.33
5137.50	-51.69	-57.79	12.58	-6.48	-13.00	-38.69

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:836.5 MHz +1745 MHz		

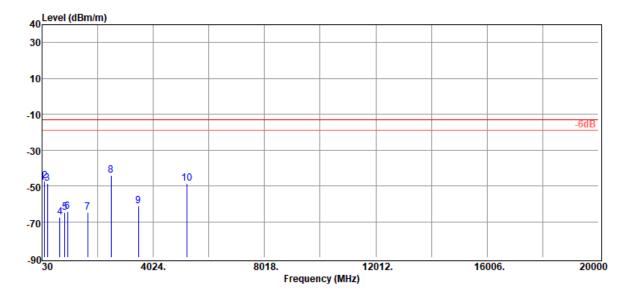


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
58.13	-51.50	-43.29	-7.35	-0.86	-13.00	-38.50
125.06	-47.67	-38.53	-7.70	-1.44	-13.00	-34.67
201.69	-57.40	-55.05	-0.51	-1.84	-13.00	-44.40
284.14	-61.04	-57.66	-1.17	-2.21	-13.00	-48.04
732.28	-58.95	-56.96	0.71	-2.70	-13.00	-45.95
914.64	-61.81	-60.20	1.59	-3.20	-13.00	-48.81
1673.00	-65.13	-71.13	9.49	-3.49	-13.00	-52.13
2509.50	-47.29	-54.32	10.76	-3.73	-13.00	-34.29
3490.00	-61.16	-68.14	12.34	-5.36	-13.00	-48.16
5235.00	-49.42	-56.02	13.18	-6.58	-13.00	-36.42

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:836.5 MHz +1745 MHz		

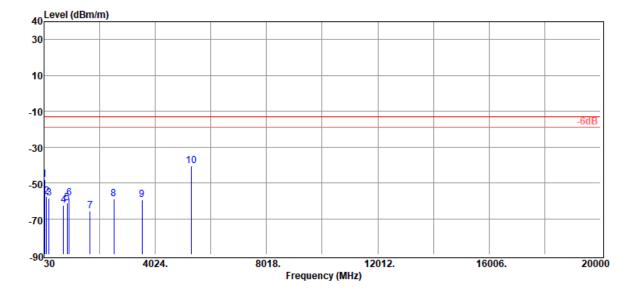


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-48.20	-27.10	-20.36	-0.74	-13.00	-35.20
124.09	-47.46	-38.28	-7.76	-1.42	-13.00	-34.46
219.15	-48.68	-47.05	0.31	-1.94	-13.00	-35.68
675.05	-67.73	-66.20	0.85	-2.38	-13.00	-54.73
851.59	-64.75	-63.02	1.20	-2.93	-13.00	-51.75
954.41	-64.16	-62.43	1.69	-3.42	-13.00	-51.16
1673.00	-64.82	-70.82	9.49	-3.49	-13.00	-51.82
2509.50	-43.93	-50.96	10.76	-3.73	-13.00	-30.93
3490.00	-61.24	-68.22	12.34	-5.36	-13.00	-48.24
5235.00	-48.58	-55.18	13.18	-6.58	-13.00	-35.58

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:844 MHz +1777.5 MHz		
EUT Pol	:E2 Plan	,	-

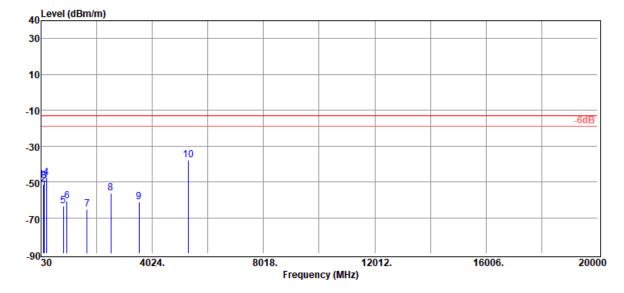


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
57.16	-48.18	-39.59	-7.75	-0.84	-13.00	-35.18
124.09	-57.39	-48.21	-7.76	-1.42	-13.00	-44.39
216.24	-58.40	-56.80	0.31	-1.91	-13.00	-45.40
731.31	-62.45	-60.46	0.72	-2.71	-13.00	-49.45
855.47	-61.16	-59.53	1.30	-2.93	-13.00	-48.16
938.89	-58.59	-57.25	1.89	-3.23	-13.00	-45.59
1688.00	-65.50	-71.54	9.55	-3.51	-13.00	-52.50
2532.00	-59.11	-66.25	10.89	-3.75	-13.00	-46.11
3555.00	-59.28	-65.75	12.10	-5.63	-13.00	-46.28
5332.50	-40.53	-47.40	13.40	-6.53	-13.00	-27.53

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:E2/2020/10031	Test Date	:2020-01-02
:LTE B5+B66	Temp./Humi.	:21.8/55
:TX CH HIGH	Antenna Pol.	:HORIZONTAL
:E2 Plan	Engineer	:Kailin
:844 MHz +1777.5 MHz		
	:LTE B5+B66 :TX CH HIGH :E2 Plan	:LTE B5+B66 Temp./Humi. :TX CH HIGH Antenna Pol. :E2 Plan Engineer



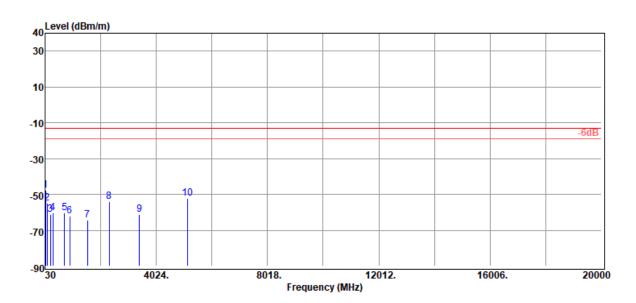
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
42.61	-49.20	-28.10	-20.36	-0.74	-13.00	-36.20
124.09	-51.46	-42.28	-7.76	-1.42	-13.00	-38.46
158.04	-49.38	-44.36	-3.46	-1.56	-13.00	-36.38
219.15	-47.68	-46.05	0.31	-1.94	-13.00	-34.68
825.40	-63.32	-61.65	1.29	-2.96	-13.00	-50.32
957.32	-60.93	-59.02	1.64	-3.55	-13.00	-47.93
1688.00	-65.15	-71.19	9.55	-3.51	-13.00	-52.15
2532.00	-56.41	-63.55	10.89	-3.75	-13.00	-43.41
3555.00	-61.05	-67.52	12.10	-5.63	-13.00	-48.05
5332.50	-37.76	-44.63	13.40	-6.53	-13.00	-24.76

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## Radiated Spurious Emission Measurement Result: LTE Band 13 + LTE Band 66 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz +1712.5 MHz		



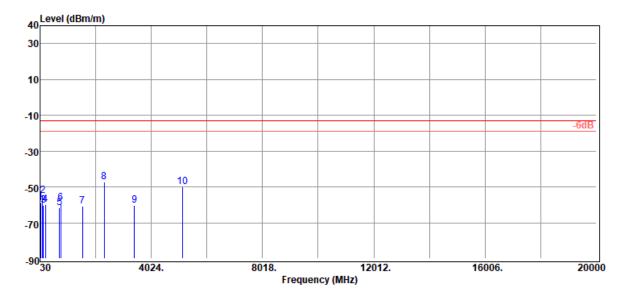
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
44.55	-47.90	-28.83	-18.33	-0.74	-13.00	-34.90
115.36	-54.99	-45.76	-7.90	-1.33	-13.00	-41.99
222.06	-61.26	-59.53	0.22	-1.95	-13.00	-48.26
313.24	-60.23	-57.04	-0.68	-2.51	-13.00	-47.23
728.40	-60.42	-58.50	0.74	-2.66	-13.00	-47.42
919.49	-62.24	-60.57	1.63	-3.30	-13.00	-49.24
1559.00	-64.32	-69.32	8.79	-3.79	-13.00	-51.32
2338.50	-53.80	-58.88	9.61	-4.53	-13.00	-40.80
3425.00	-61.08	-68.38	12.50	-5.20	-13.00	-48.08
5137.50	-52.35	-58.45	12.58	-6.48	-13.00	-39.35

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz +1712.5 MHz		

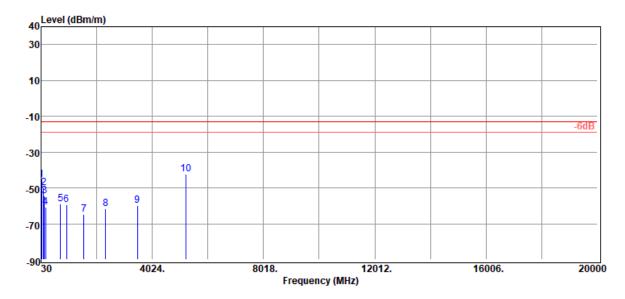


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
44.55	-58.88	-39.81	-18.33	-0.74	-13.00	-45.88
124.09	-54.86	-45.68	-7.76	-1.42	-13.00	-41.86
157.07	-60.11	-54.94	-3.61	-1.56	-13.00	-47.11
224.00	-59.91	-58.10	0.14	-1.95	-13.00	-46.91
728.40	-61.53	-59.61	0.74	-2.66	-13.00	-48.53
776.90	-58.83	-56.55	0.67	-2.95	-13.00	-45.83
1559.00	-60.56	-65.56	8.79	-3.79	-13.00	-47.56
2338.50	-47.11	-52.19	9.61	-4.53	-13.00	-34.11
3425.00	-60.24	-67.54	12.50	-5.20	-13.00	-47.24
5137.50	-49.83	-55.93	12.58	-6.48	-13.00	-36.83

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:782 MHz +1745 MHz		

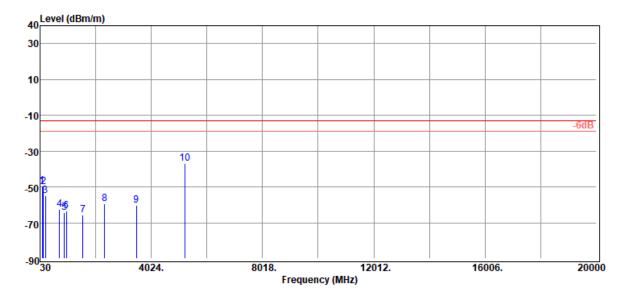


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-45.61	-33.19	-11.66	-0.76	-13.00	-32.61
124.09	-49.79	-40.61	-7.76	-1.42	-13.00	-36.79
148.34	-54.41	-47.90	-4.95	-1.56	-13.00	-41.41
199.75	-60.91	-58.57	-0.50	-1.84	-13.00	-47.91
731.31	-58.84	-56.85	0.72	-2.71	-13.00	-45.84
946.65	-59.23	-57.83	1.82	-3.22	-13.00	-46.23
1564.00	-64.61	-69.71	8.84	-3.74	-13.00	-51.61
2346.00	-61.48	-66.61	9.67	-4.54	-13.00	-48.48
3490.00	-59.77	-66.75	12.34	-5.36	-13.00	-46.77
5235.00	-42.13	-48.73	13.18	-6.58	-13.00	-29.13

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:E2/2020/10031	Test Date	:2020-01-02
:LTE B13+B66	Temp./Humi.	:21.8/55
:TX CH MID	Antenna Pol.	:HORIZONTAL
:E2 Plan	Engineer	:Kailin
:782 MHz +1745 MHz		
	:LTE B13+B66 :TX CH MID :E2 Plan	:LTE B13+B66 Temp./Humi. :TX CH MID Antenna Pol. :E2 Plan Engineer

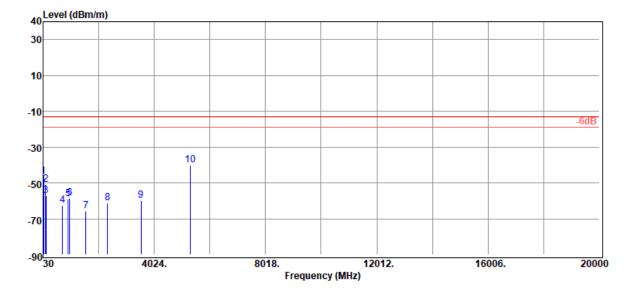


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
114.39	-49.62	-40.32	-7.97	-1.33	-13.00	-36.62
158.04	-50.05	-45.03	-3.46	-1.56	-13.00	-37.05
222.06	-54.87	-53.14	0.22	-1.95	-13.00	-41.87
728.40	-62.53	-60.61	0.74	-2.66	-13.00	-49.53
905.91	-64.51	-62.93	1.50	-3.08	-13.00	-51.51
983.51	-63.59	-61.78	1.52	-3.33	-13.00	-50.59
1564.00	-65.57	-70.67	8.84	-3.74	-13.00	-52.57
2346.00	-59.46	-64.59	9.67	-4.54	-13.00	-46.46
3490.00	-60.36	-67.34	12.34	-5.36	-13.00	-47.36
5235.00	-37.07	-43.67	13.18	-6.58	-13.00	-24.07

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:784.5 MHz +1777.5 MHz		

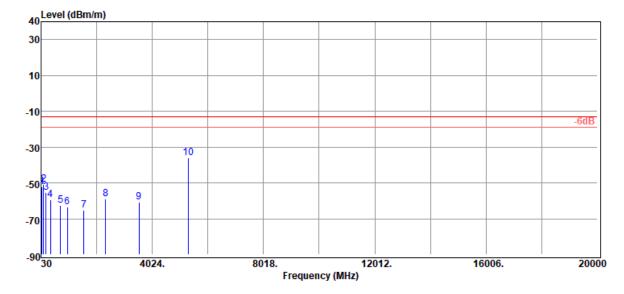


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.46	-46.24	-29.90	-15.60	-0.74	-13.00	-33.24
124.09	-50.79	-41.61	-7.76	-1.42	-13.00	-37.79
143.49	-57.35	-50.00	-5.80	-1.55	-13.00	-44.35
730.34	-62.75	-60.75	0.73	-2.73	-13.00	-49.75
928.22	-59.04	-57.51	1.78	-3.31	-13.00	-46.04
990.30	-58.65	-56.81	1.49	-3.33	-13.00	-45.65
1569.00	-65.50	-70.70	8.89	-3.69	-13.00	-52.50
2353.50	-61.29	-66.48	9.73	-4.54	-13.00	-48.29
3555.00	-59.71	-66.18	12.10	-5.63	-13.00	-46.71
5332.50	-40.03	-46.90	13.40	-6.53	-13.00	-27.03

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Report Number	:E2/2020/10031	Test Date	:2020-01-02
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.8/55
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:784.5 MHz +1777.5 MHz		



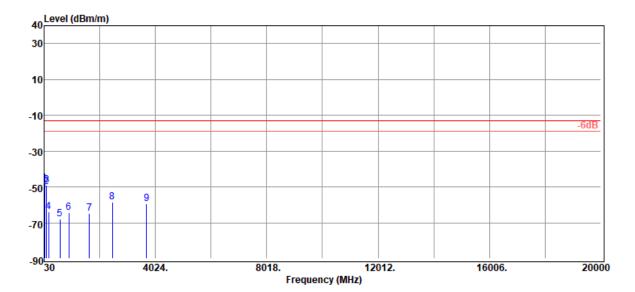
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
59.10	-52.22	-44.12	-7.23	-0.87	-13.00	-39.22
124.09	-50.86	-41.68	-7.76	-1.42	-13.00	-37.86
216.24	-55.38	-53.78	0.31	-1.91	-13.00	-42.38
362.71	-59.20	-56.23	-0.54	-2.43	-13.00	-46.20
728.40	-62.53	-60.61	0.74	-2.66	-13.00	-49.53
983.51	-63.59	-61.78	1.52	-3.33	-13.00	-50.59
1569.00	-65.33	-70.53	8.89	-3.69	-13.00	-52.33
2353.50	-58.78	-63.97	9.73	-4.54	-13.00	-45.78
3555.00	-60.76	-67.23	12.10	-5.63	-13.00	-47.76
5332.50	-35.81	-42.68	13.40	-6.53	-13.00	-22.81

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# **External Monopole Antenna**

Radiated Spurious Emission Measurement Result: LTE Band 2 + LTE Band 5 Mode					
Report Number	:E2/2020/10031	Test Date	:2020-01-03		
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54		
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL		
EUT Pol	:E2 Plan	Engineer	:Kailin		
Test Channel	:1852.5 MHz +826.5 MHz				



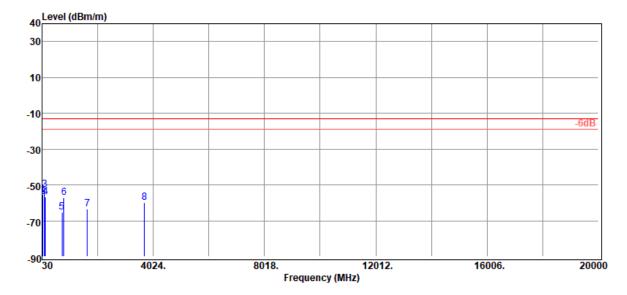
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-48.38	-34.05	-13.59	-0.74	-13.00	-35.38
109.54	-50.16	-41.09	-7.75	-1.32	-13.00	-37.16
128.94	-48.98	-40.02	-7.44	-1.52	-13.00	-35.98
197.81	-63.70	-61.38	-0.50	-1.82	-13.00	-50.70
604.24	-67.79	-64.53	-0.13	-3.13	-13.00	-54.79
914.64	-64.16	-62.55	1.59	-3.20	-13.00	-51.16
1653.00	-64.84	-70.78	9.41	-3.47	-13.00	-51.84
2479.50	-58.65	-65.34	10.58	-3.89	-13.00	-45.65
3705.00	-59.42	-65.59	12.11	-5.94	-13.00	-46.42

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1852.5 MHz +826.5 MHz		

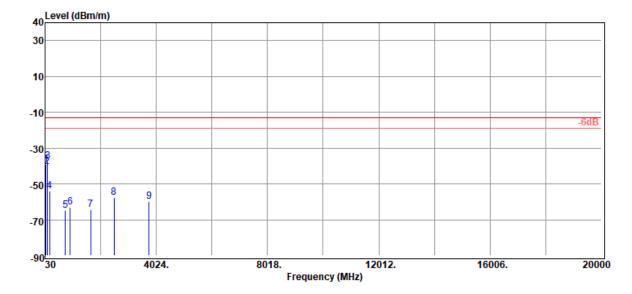


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-55.49	-41.16	-13.59	-0.74	-13.00	-42.49
70.74	-56.74	-48.46	-7.39	-0.89	-13.00	-43.74
124.09	-52.63	-43.45	-7.76	-1.42	-13.00	-39.63
151.25	-56.75	-50.67	-4.52	-1.56	-13.00	-43.75
747.80	-65.08	-63.16	0.69	-2.61	-13.00	-52.08
824.43	-56.98	-55.34	1.31	-2.95	-13.00	-43.98
1653.00	-63.60	-69.54	9.41	-3.47	-13.00	-50.60
3705.00	-59.89	-66.06	12.11	-5.94	-13.00	-46.89

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +836.5 MHz		

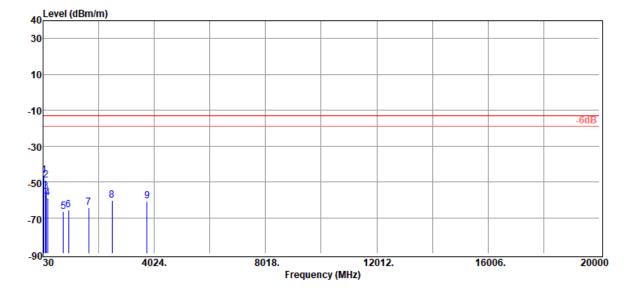


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
		- /				
68.80	-39.37	-31.08	-7.41	-0.88	-13.00	-26.37
107.60	-40.57	-31.67	-7.60	-1.30	-13.00	-27.57
124.09	-37.22	-28.04	-7.76	-1.42	-13.00	-24.22
191.99	-53.98	-51.74	-0.47	-1.77	-13.00	-40.98
754.59	-64.92	-62.99	0.72	-2.65	-13.00	-51.92
938.89	-63.14	-61.80	1.89	-3.23	-13.00	-50.14
1673.00	-64.29	-70.29	9.49	-3.49	-13.00	-51.29
2509.50	-57.72	-64.75	10.76	-3.73	-13.00	-44.72
3760.00	-59.90	-65.77	12.20	-6.33	-13.00	-46.90

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +836.5 MHz		

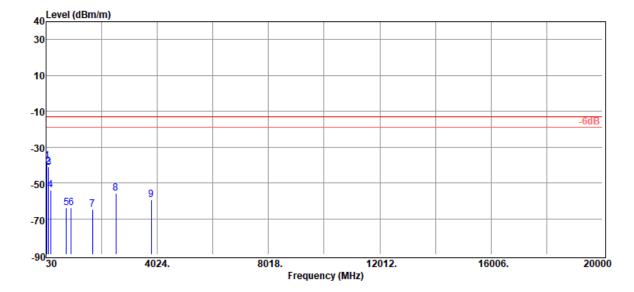


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
70.74	-46.39	-38.11	-7.39	-0.89	-13.00	-33.39
124.09	-49.02	-39.84	-7.76	-1.42	-13.00	-36.02
139.61	-55.25	-47.43	-6.28	-1.54	-13.00	-42.25
191.99	-59.00	-56.76	-0.47	-1.77	-13.00	-46.00
752.65	-66.45	-64.56	0.74	-2.63	-13.00	-53.45
949.56	-65.92	-64.60	1.90	-3.22	-13.00	-52.92
1673.00	-64.54	-70.54	9.49	-3.49	-13.00	-51.54
2509.50	-60.42	-67.45	10.76	-3.73	-13.00	-47.42
3760.00	-60.82	-66.69	12.20	-6.33	-13.00	-47.82

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1907.5 MHz +846.5 MHz		

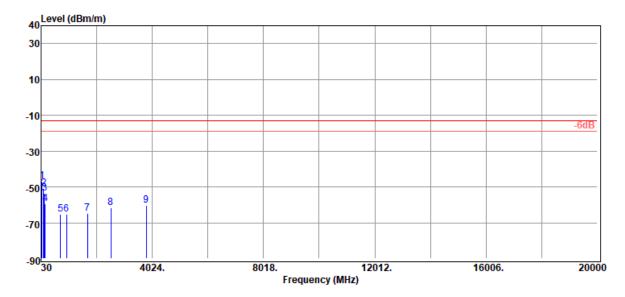


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
68.80	-37.96	-29.67	-7.41	-0.88	-13.00	-24.96
109.54	-41.18	-32.11	-7.75	-1.32	-13.00	-28.18
124.09	-41.32	-32.14	-7.76	-1.42	-13.00	-28.32
192.96	-54.13	-51.92	-0.43	-1.78	-13.00	-41.13
754.59	-63.78	-61.85	0.72	-2.65	-13.00	-50.78
932.10	-63.80	-62.32	1.81	-3.29	-13.00	-50.80
1693.00	-65.01	-71.06	9.57	-3.52	-13.00	-52.01
2539.50	-55.79	-62.97	10.94	-3.76	-13.00	-42.79
3815.00	-59.60	-65.23	12.20	-6.57	-13.00	-46.60

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1907.5 MHz +846.5 MHz		



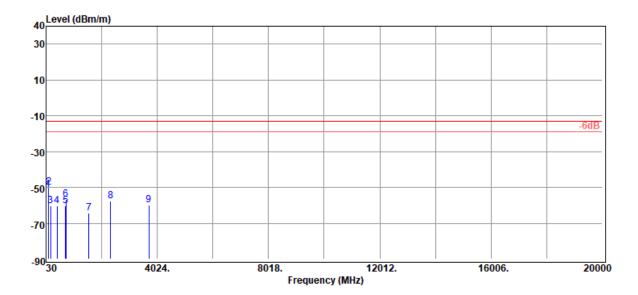
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
70.74	-46.85	-38.57	-7.39	-0.89	-13.00	-33.85
125.06	-50.70	-41.56	-7.70	-1.44	-13.00	-37.70
153.19	-53.39	-47.69	-4.14	-1.56	-13.00	-40.39
187.14	-59.45	-57.15	-0.59	-1.71	-13.00	-46.45
735.19	-65.05	-63.07	0.69	-2.67	-13.00	-52.05
944.71	-65.28	-63.84	1.78	-3.22	-13.00	-52.28
1693.00	-64.60	-70.65	9.57	-3.52	-13.00	-51.60
2539.50	-61.87	-69.05	10.94	-3.76	-13.00	-48.87
3815.00	-60.12	-65.75	12.20	-6.57	-13.00	-47.12

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#### Radiated Spurious Emission Measurement Result: LTE Band 2 + LTE Band 13 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz +782 MHz		



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
110.51	-51.29	-42.19	-7.77	-1.33	-13.00	-38.29
125.06	-50.16	-41.02	-7.70	-1.44	-13.00	-37.16
190.05	-60.42	-58.21	-0.46	-1.75	-13.00	-47.42
420.91	-60.14	-56.19	-1.06	-2.89	-13.00	-47.14
730.34	-60.19	-58.19	0.73	-2.73	-13.00	-47.19
745.86	-56.53	-54.55	0.63	-2.61	-13.00	-43.53
1564.00	-64.52	-69.62	8.84	-3.74	-13.00	-51.52
2346.00	-57.81	-62.94	9.67	-4.54	-13.00	-44.81
3720.00	-59.84	-65.93	12.14	-6.05	-13.00	-46.84

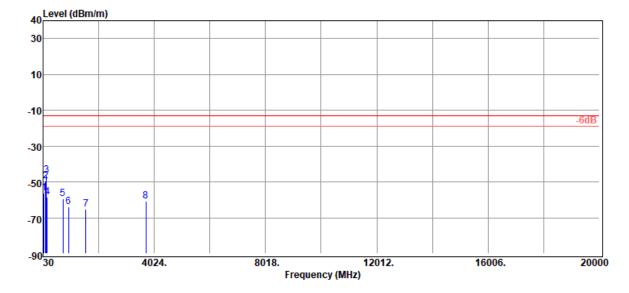
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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1860 MHz +782 MHz		

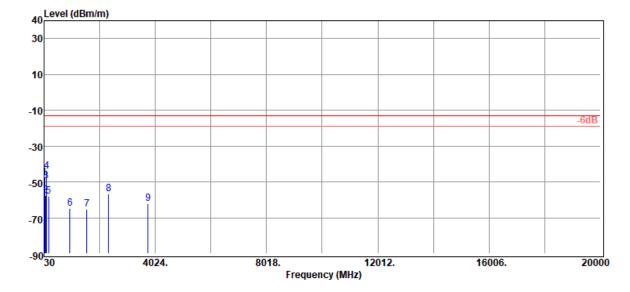


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
71.71	-56.15	-47.77	-7.47	-0.91	-13.00	-43.15
124.09	-49.39	-40.21	-7.76	-1.42	-13.00	-36.39
156.10	-46.51	-41.19	-3.76	-1.56	-13.00	-33.51
180.35	-58.64	-55.94	-1.08	-1.62	-13.00	-45.64
740.04	-59.54	-57.57	0.64	-2.61	-13.00	-46.54
948.59	-63.85	-62.50	1.87	-3.22	-13.00	-50.85
1564.00	-65.42	-70.52	8.84	-3.74	-13.00	-52.42
3720.00	-60.66	-66.75	12.14	-6.05	-13.00	-47.66

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +782 MHz		

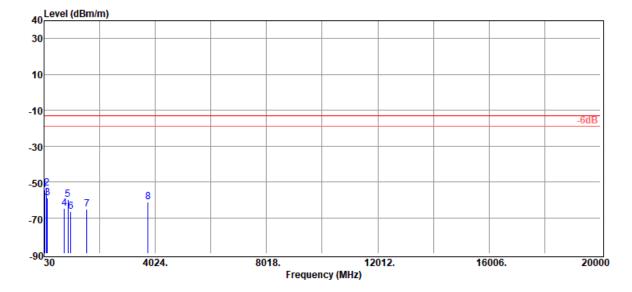


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-47.73	-33.40	-13.59	-0.74	-13.00	-34.73
78.50	-57.84	-49.77	-7.05	-1.02	-13.00	-44.84
109.54	-49.35	-40.28	-7.75	-1.32	-13.00	-36.35
127.00	-44.33	-35.19	-7.66	-1.48	-13.00	-31.33
202.66	-58.09	-55.74	-0.51	-1.84	-13.00	-45.09
956.35	-64.79	-62.93	1.65	-3.51	-13.00	-51.79
1564.00	-65.34	-70.44	8.84	-3.74	-13.00	-52.34
2346.00	-56.57	-61.70	9.67	-4.54	-13.00	-43.57
3760.00	-62.00	-67.87	12.20	-6.33	-13.00	-49.00

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1880 MHz +782 MHz		

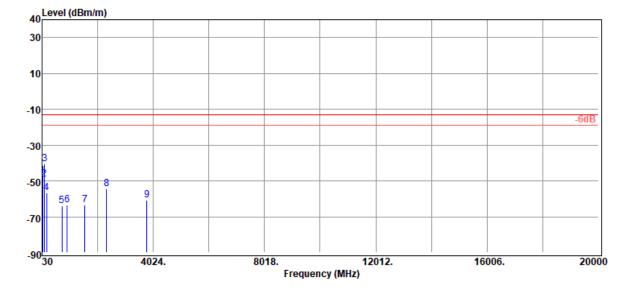


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.46	-54.68	-38.34	-15.60	-0.74	-13.00	-41.68
126.03	-53.35	-44.26	-7.63	-1.46	-13.00	-40.35
151.25	-59.12	-53.04	-4.52	-1.56	-13.00	-46.12
752.65	-64.66	-62.77	0.74	-2.63	-13.00	-51.66
888.45	-59.90	-58.19	1.37	-3.08	-13.00	-46.90
992.24	-66.42	-64.64	1.58	-3.36	-13.00	-53.42
1564.00	-65.13	-70.23	8.84	-3.74	-13.00	-52.13
3760.00	-61.20	-67.07	12.20	-6.33	-13.00	-48.20

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1900 MHz +782 MHz		

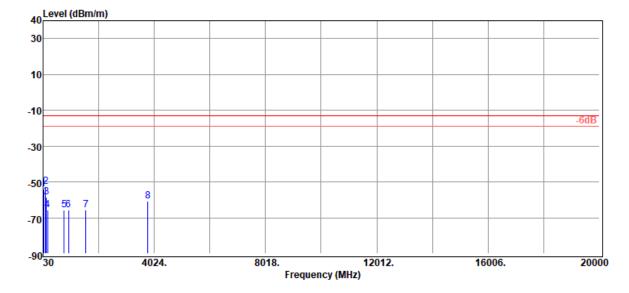


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.40	17.00	00.00	40.50	0.74	40.00	04.00
49.40	-47.39	-33.06	-13.59	-0.74	-13.00	-34.39
109.54	-49.19	-40.12	-7.75	-1.32	-13.00	-36.19
125.06	-40.33	-31.19	-7.70	-1.44	-13.00	-27.33
201.69	-56.86	-54.51	-0.51	-1.84	-13.00	-43.86
750.71	-63.77	-61.90	0.75	-2.62	-13.00	-50.77
927.25	-63.47	-61.91	1.75	-3.31	-13.00	-50.47
1564.00	-63.39	-68.49	8.84	-3.74	-13.00	-50.39
2346.00	-54.25	-59.38	9.67	-4.54	-13.00	-41.25
3800.00	-60.89	-66.49	12.20	-6.60	-13.00	-47.89

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B2+B13	Temp./Humi.	:21.6/54
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1900 MHz +782 MHz		



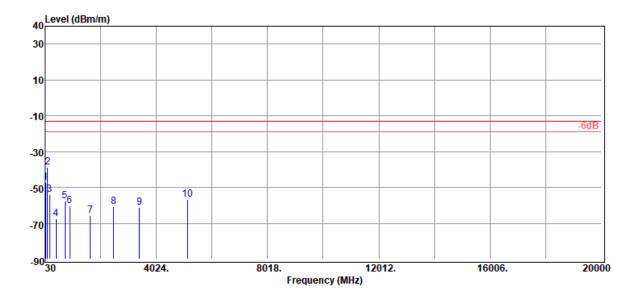
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-54.01	-39.68	-13.59	-0.74	-13.00	-41.01
125.06	-52.52	-43.38	-7.70	-1.44	-13.00	-39.52
151.25	-58.62	-52.54	-4.52	-1.56	-13.00	-45.62
196.84	-65.84	-63.59	-0.44	-1.81	-13.00	-52.84
783.69	-65.52	-63.20	0.74	-3.06	-13.00	-52.52
949.56	-65.54	-64.22	1.90	-3.22	-13.00	-52.54
1564.00	-65.56	-70.66	8.84	-3.74	-13.00	-52.56
3800.00	-60.98	-66.58	12.20	-6.60	-13.00	-47.98

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### Radiated Spurious Emission Measurement Result: LTE Band 4 + LTE Band 5 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +829 MHz		



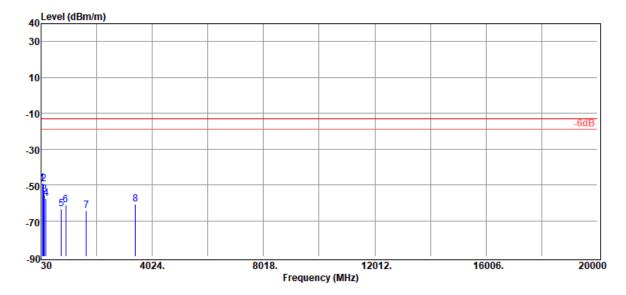
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-47.34	-33.01	-13.59	-0.74	-13.00	-34.34
125.06	-38.86	-29.72	-7.70	-1.44	-13.00	-25.86
200.72	-53.91	-51.55	-0.52	-1.84	-13.00	-40.91
420.91	-67.46	-63.51	-1.06	-2.89	-13.00	-54.46
745.86	-57.79	-55.81	0.63	-2.61	-13.00	-44.79
922.40	-60.15	-58.50	1.66	-3.31	-13.00	-47.15
1658.00	-65.77	-71.73	9.43	-3.47	-13.00	-52.77
2487.00	-60.83	-67.62	10.62	-3.83	-13.00	-47.83
3425.00	-61.22	-68.52	12.50	-5.20	-13.00	-48.22
5137.50	-56.92	-63.02	12.58	-6.48	-13.00	-43.92

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +829 MHz		

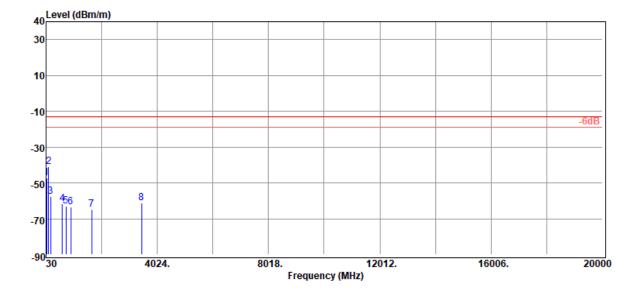


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
75.59	-49.12	-40.82	-7.33	-0.97	-13.00	-36.12
126.03	-49.74	-40.65	-7.63	-1.46	-13.00	-36.74
151.25	-55.28	-49.20	-4.52	-1.56	-13.00	-42.28
211.39	-57.79	-55.80	-0.13	-1.86	-13.00	-44.79
754.59	-63.47	-61.54	0.72	-2.65	-13.00	-50.47
914.64	-61.29	-59.68	1.59	-3.20	-13.00	-48.29
1658.00	-64.16	-70.12	9.43	-3.47	-13.00	-51.16
3425.00	-60.98	-68.28	12.50	-5.20	-13.00	-47.98

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +836.5 MHz		

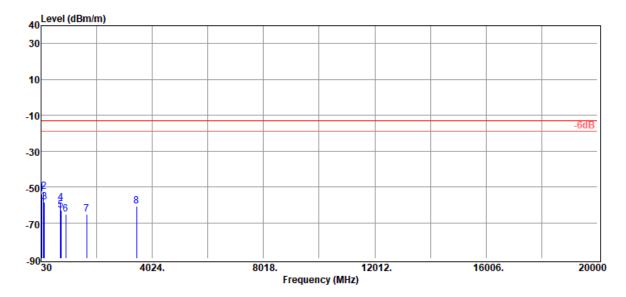


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-47.07	-32.74	-13.59	-0.74	-13.00	-34.07
125.06	-40.93	-31.79	-7.70	-1.44	-13.00	-27.93
202.66	-57.69	-55.34	-0.51	-1.84	-13.00	-44.69
616.85	-61.56	-58.60	-0.11	-2.85	-13.00	-48.56
747.80	-63.22	-61.30	0.69	-2.61	-13.00	-50.22
917.55	-63.47	-61.83	1.62	-3.26	-13.00	-50.47
1673.00	-64.73	-70.73	9.49	-3.49	-13.00	-51.73
3465.00	-61.41	-68.55	12.44	-5.30	-13.00	-48.41

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +836.5 MHz		

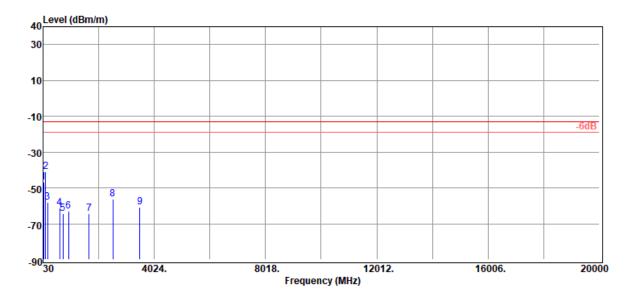


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-53.88	-39.55	-13.59	-0.74	-13.00	-40.88
125.06	-52.70	-43.56	-7.70	-1.44	-13.00	-39.70
149.31	-58.31	-52.02	-4.73	-1.56	-13.00	-45.31
735.19	-59.17	-57.19	0.69	-2.67	-13.00	-46.17
745.86	-63.06	-61.08	0.63	-2.61	-13.00	-50.06
914.64	-65.47	-63.86	1.59	-3.20	-13.00	-52.47
1673.00	-65.14	-71.14	9.49	-3.49	-13.00	-52.14
3465.00	-60.94	-68.08	12.44	-5.30	-13.00	-47.94

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.2/52
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +844 MHz		

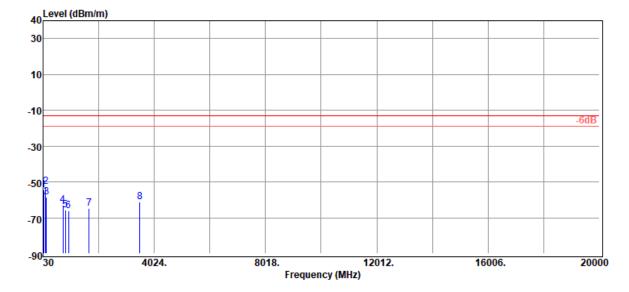


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-46.92	-32.59	-13.59	-0.74	-13.00	-33.92
125.06	-41.00	-31.86	-7.70	-1.44	-13.00	-28.00
202.66	-58.00	-55.65	-0.51	-1.84	-13.00	-45.00
636.25	-61.28	-58.43	-0.24	-2.61	-13.00	-48.28
750.71	-64.52	-62.65	0.75	-2.62	-13.00	-51.52
949.56	-63.19	-61.87	1.90	-3.22	-13.00	-50.19
1688.00	-64.52	-70.56	9.55	-3.51	-13.00	-51.52
2532.00	-56.40	-63.54	10.89	-3.75	-13.00	-43.40
3505.00	-60.96	-67.83	12.28	-5.41	-13.00	-47.96

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B5	Temp./Humi.	:21.2/52
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +844 MHz		



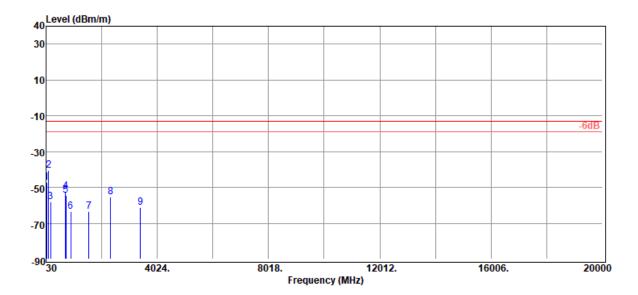
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-54.33	-40.00	-13.59	-0.74	-13.00	-41.33
125.06	-52.86	-43.72	-7.70	-1.44	-13.00	-39.86
151.25	-58.50	-52.42	-4.52	-1.56	-13.00	-45.50
745.86	-62.95	-60.97	0.63	-2.61	-13.00	-49.95
832.19	-65.79	-64.05	1.22	-2.96	-13.00	-52.79
951.50	-66.06	-64.60	1.83	-3.29	-13.00	-53.06
1688.00	-64.91	-70.95	9.55	-3.51	-13.00	-51.91
3505.00	-61.00	-67.87	12.28	-5.41	-13.00	-48.00

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### Radiated Spurious Emission Measurement Result: LTE Band 4 + LTE Band 13 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH LOW + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +782 MHz		



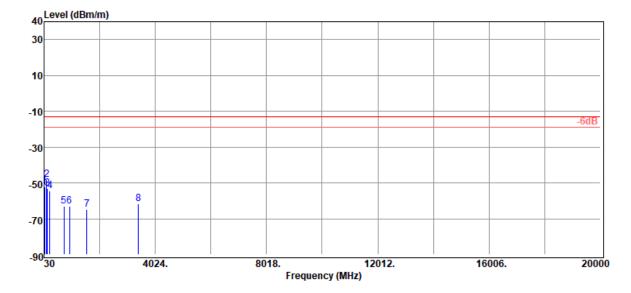
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
		~~	40 <b>-</b> 0		10.00	
49.40	-47.10	-32.77	-13.59	-0.74	-13.00	-34.10
125.06	-40.54	-31.40	-7.70	-1.44	-13.00	-27.54
201.69	-57.91	-55.56	-0.51	-1.84	-13.00	-44.91
733.25	-52.39	-50.40	0.70	-2.69	-13.00	-39.39
745.86	-54.50	-52.52	0.63	-2.61	-13.00	-41.50
915.61	-63.50	-61.88	1.60	-3.22	-13.00	-50.50
1564.00	-63.46	-68.56	8.84	-3.74	-13.00	-50.46
2346.00	-55.37	-60.50	9.67	-4.54	-13.00	-42.37
3425.00	-61.12	-68.42	12.50	-5.20	-13.00	-48.12

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH LOW + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1712.5 MHz +782 MHz		

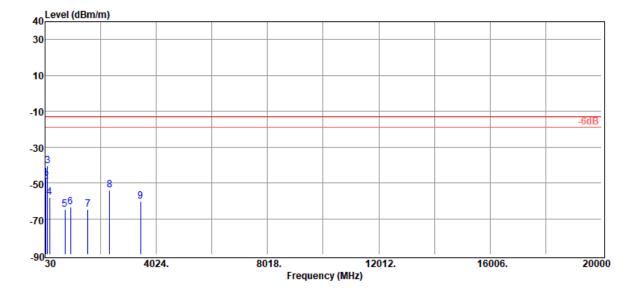


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-52.26	-37.93	-13.59	-0.74	-13.00	-39.26
125.06	-47.98	-38.84	-7.70	-1.44	-13.00	-34.98
151.25	-53.19	-47.11	-4.52	-1.56	-13.00	-40.19
240.49	-54.30	-51.33	-0.98	-1.99	-13.00	-41.30
745.86	-63.03	-61.05	0.63	-2.61	-13.00	-50.03
949.56	-63.21	-61.89	1.90	-3.22	-13.00	-50.21
1564.00	-64.86	-69.96	8.84	-3.74	-13.00	-51.86
3425.00	-61.45	-68.75	12.50	-5.20	-13.00	-48.45

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +782 MHz		

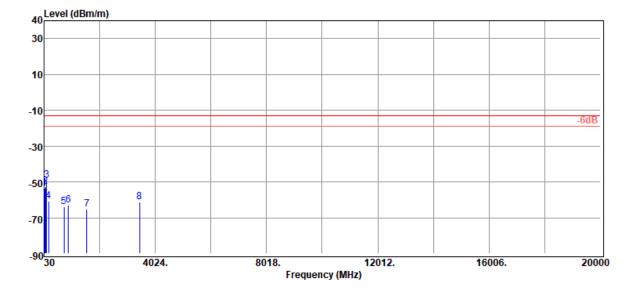


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
10.10	47.04	00.04	40.50	0.74	10.00	04.04
49.40	-47.34	-33.01	-13.59	-0.74	-13.00	-34.34
71.71	-49.05	-40.67	-7.47	-0.91	-13.00	-36.05
125.06	-40.50	-31.36	-7.70	-1.44	-13.00	-27.50
202.66	-58.16	-55.81	-0.51	-1.84	-13.00	-45.16
750.71	-64.63	-62.76	0.75	-2.62	-13.00	-51.63
949.56	-63.68	-62.36	1.90	-3.22	-13.00	-50.68
1564.00	-64.62	-69.72	8.84	-3.74	-13.00	-51.62
2346.00	-53.92	-59.05	9.67	-4.54	-13.00	-40.92
3465.00	-60.50	-67.64	12.44	-5.30	-13.00	-47.50

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1732.5 MHz +782 MHz		

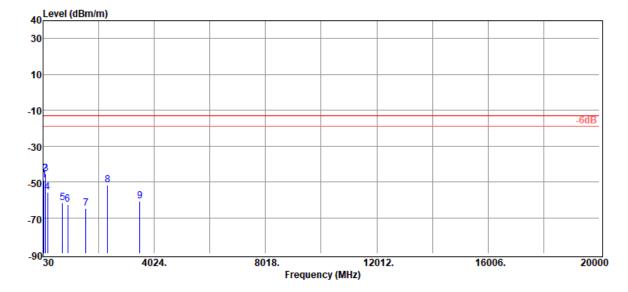


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-53.56	-39.23	-13.59	-0.74	-13.00	-40.56
76.56	-52.80	-44.55	-7.26	-0.99	-13.00	-39.80
124.09	-49.25	-40.07	-7.76	-1.42	-13.00	-36.25
197.81	-60.68	-58.36	-0.50	-1.82	-13.00	-47.68
742.95	-63.86	-61.87	0.62	-2.61	-13.00	-50.86
910.76	-63.10	-61.52	1.55	-3.13	-13.00	-50.10
1564.00	-65.27	-70.37	8.84	-3.74	-13.00	-52.27
3465.00	-61.20	-68.34	12.44	-5.30	-13.00	-48.20

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +782 MHz		

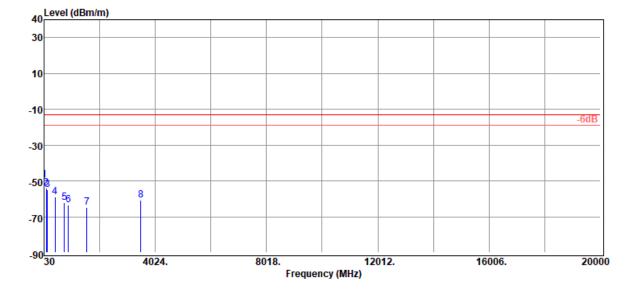


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
71.71	-49.21	-40.83	-7.47	-0.91	-13.00	-36.21
107.60	-45.58	-36.68	-7.60	-1.30	-13.00	-32.58
125.06	-45.43	-36.29	-7.70	-1.44	-13.00	-32.43
191.99	-55.98	-53.74	-0.47	-1.77	-13.00	-42.98
733.25	-61.85	-59.86	0.70	-2.69	-13.00	-48.85
919.49	-62.78	-61.11	1.63	-3.30	-13.00	-49.78
1564.00	-64.97	-70.07	8.84	-3.74	-13.00	-51.97
2346.00	-51.69	-56.82	9.67	-4.54	-13.00	-38.69
3505.00	-60.66	-67.53	12.28	-5.41	-13.00	-47.66

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B4+B13	Temp./Humi.	:21.2/52
Test Mode	:TX CH HIGH + MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:1752.5 MHz +782 MHz		



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-49.56	-19.74	-29.28	-0.54	-13.00	-36.56
107.60	-54.18	-45.28	-7.60	-1.30	-13.00	-41.18
154.16	-55.04	-49.42	-4.06	-1.56	-13.00	-42.04
432.55	-58.98	-55.22	-0.92	-2.84	-13.00	-45.98
762.35	-62.25	-60.36	0.80	-2.69	-13.00	-49.25
910.76	-63.62	-62.04	1.55	-3.13	-13.00	-50.62
1564.00	-65.03	-70.13	8.84	-3.74	-13.00	-52.03
3505.00	-60.98	-67.85	12.28	-5.41	-13.00	-47.98

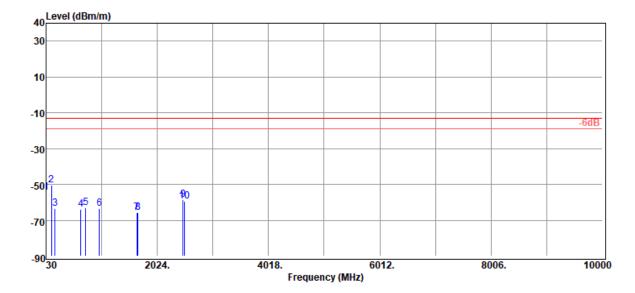
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## Radiated Spurious Emission Measurement Result: LTE Band 5 B + LTE Band 5 B Mode

Report Number	:E2/2020/10031
Operation Mode	:LTE B5+B5
Test Mode	:TX CH LOW
EUT Pol	:E2 Plan
Test Channel	:829 MHz +838.9 MHz

Test Date	:2020-01-03
Temp./Humi.	:21.6/54
Antenna Pol.	:VERTICAL
Engineer	:Kailin



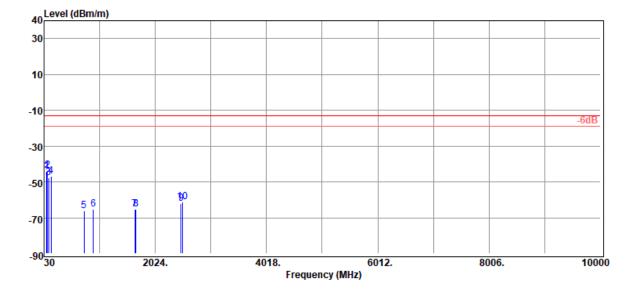
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
32.91	-54.27	-25.43	-28.27	-0.57	-13.00	-41.27
125.06	-50.53	-41.39	-7.70	-1.44	-13.00	-37.53
192.96	-63.37	-61.16	-0.43	-1.78	-13.00	-50.37
655.65	-64.11	-61.98	0.08	-2.21	-13.00	-51.11
741.01	-62.93	-60.95	0.63	-2.61	-13.00	-49.93
982.54	-63.59	-61.77	1.51	-3.33	-13.00	-50.59
1658.00	-65.91	-71.87	9.43	-3.47	-13.00	-52.91
1677.80	-65.56	-71.57	9.51	-3.50	-13.00	-52.56
2487.00	-58.36	-65.15	10.62	-3.83	-13.00	-45.36
2516.70	-59.27	-66.33	10.80	-3.74	-13.00	-46.27

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +838.9 MHz		

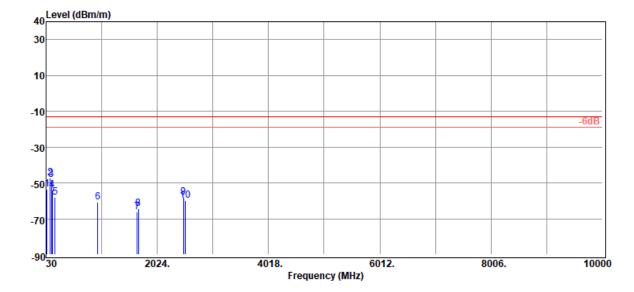


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
75.59	-44.22	-35.92	-7.33	-0.97	-13.00	-31.22
88.20	-44.22 -43.52	-35.92	-6.55	-1.04	-13.00	-30.52
110.51	-47.71	-38.61	-7.77	-1.33	-13.00	-34.71
154.16	-46.72	-41.10	-4.06	-1.56	-13.00	-33.72
750.71	-66.30	-64.43	0.75	-2.62	-13.00	-53.30
915.61	-65.43	-63.81	1.60	-3.22	-13.00	-52.43
1658.00	-65.18	-71.14	9.43	-3.47	-13.00	-52.18
1677.80	-65.31	-71.32	9.51	-3.50	-13.00	-52.31
2487.00	-61.93	-68.72	10.62	-3.83	-13.00	-48.93
2516.73	-61.21	-68.27	10.80	-3.74	-13.00	-48.21

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:831.6 MHz +841.5 MHz		

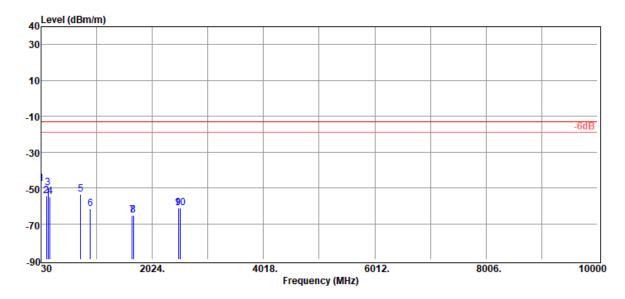


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
49.40	-53.53	-39.20	-13.59	-0.74	-13.00	-40.53
107.60	-47.20	-38.30	-7.60	-1.30	-13.00	-34.20
125.06	-48.38	-39.24	-7.70	-1.44	-13.00	-35.38
138.64	-54.02	-46.08	-6.40	-1.54	-13.00	-41.02
191.02	-57.86	-55.68	-0.42	-1.76	-13.00	-44.86
954.41	-60.91	-59.18	1.69	-3.42	-13.00	-47.91
1663.20	-66.26	-72.23	9.45	-3.48	-13.00	-53.26
1683.00	-64.36	-70.38	9.53	-3.51	-13.00	-51.36
2494.80	-57.97	-64.88	10.67	-3.76	-13.00	-44.97
2524.50	-59.85	-66.96	10.85	-3.74	-13.00	-46.85

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.6/54
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:831.6 MHz +841.5 MHz		

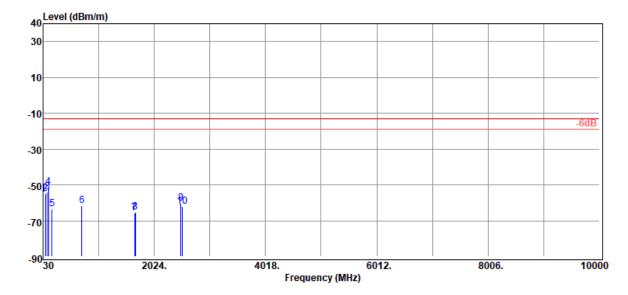


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-47.50	-17.68	-29.28	-0.54	-13.00	-34.50
125.06	-54.34	-45.20	-7.70	-1.44	-13.00	-41.34
154.16	-50.15	-44.53	-4.06	-1.56	-13.00	-37.15
190.05	-54.75	-52.54	-0.46	-1.75	-13.00	-41.75
740.04	-53.62	-51.65	0.64	-2.61	-13.00	-40.62
915.61	-61.83	-60.21	1.60	-3.22	-13.00	-48.83
1663.20	-65.48	-71.45	9.45	-3.48	-13.00	-52.48
1683.00	-65.31	-71.33	9.53	-3.51	-13.00	-52.31
2494.80	-61.30	-68.21	10.67	-3.76	-13.00	-48.30
2524.50	-61.41	-68.52	10.85	-3.74	-13.00	-48.41

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.4/53
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:834.1 MHz +844 MHz		

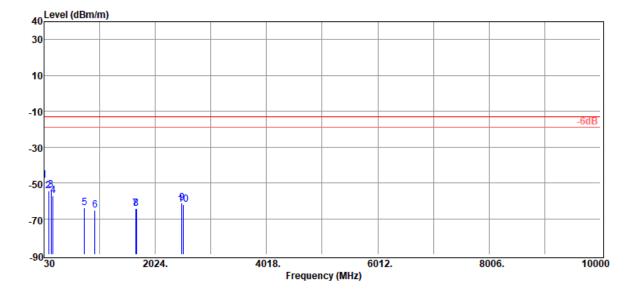


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-55.17	-25.35	-29.28	-0.54	-13.00	-42.17
70.74	-54.99	-46.71	-7.39	-0.89	-13.00	-41.99
105.66	-53.89	-45.02	-7.59	-1.28	-13.00	-40.89
125.06	-51.16	-42.02	-7.70	-1.44	-13.00	-38.16
191.99	-63.31	-61.07	-0.47	-1.77	-13.00	-50.31
728.40	-61.76	-59.84	0.74	-2.66	-13.00	-48.76
1668.20	-65.70	-71.68	9.47	-3.49	-13.00	-52.70
1688.00	-65.45	-71.49	9.55	-3.51	-13.00	-52.45
2502.30	-60.30	-67.29	10.71	-3.72	-13.00	-47.30
2532.00	-62.06	-69.20	10.89	-3.75	-13.00	-49.06

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B5	Temp./Humi.	:21.4/53
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:834.1 MHz +844 MHz		



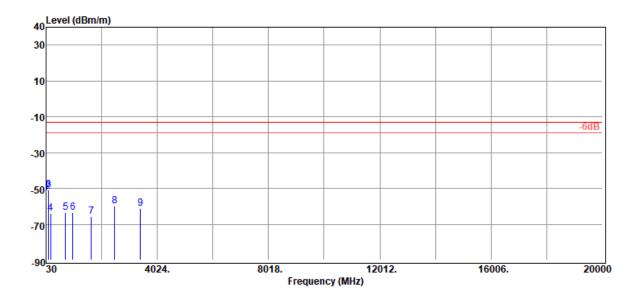
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-48.55	-18.73	-29.28	-0.54	-13.00	-35.55
110.51	-54.67	-45.57	-7.77	-1.33	-13.00	-41.67
153.19	-54.18	-48.48	-4.14	-1.56	-13.00	-41.18
192.96	-57.22	-55.01	-0.43	-1.78	-13.00	-44.22
755.56	-63.86	-61.94	0.73	-2.65	-13.00	-50.86
939.86	-65.09	-63.79	1.92	-3.22	-13.00	-52.09
1668.20	-64.17	-70.15	9.47	-3.49	-13.00	-51.17
1688.00	-64.57	-70.61	9.55	-3.51	-13.00	-51.57
2502.30	-61.31	-68.30	10.71	-3.72	-13.00	-48.31
2532.00	-61.95	-69.09	10.89	-3.75	-13.00	-48.95

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# Radiated Spurious Emission Measurement Result: LTE Band 5 + LTE Band 66 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.2/52
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +1712.5 MHz		



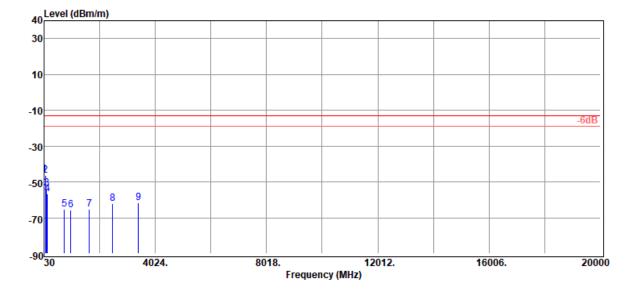
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-52.11	-22.29	-29.28	-0.54	-13.00	20.11
107.60	-52.11	-22.29 -42.79	-29.28 -7.60	-0.54 -1.30	-13.00	-39.11 -38.69
125.06	-50.77	-41.63	-7.70	-1.44	-13.00	-37.77
192.96	-64.13	-61.92	-0.43	-1.78	-13.00	-51.13
728.40	-63.43	-61.51	0.74	-2.66	-13.00	-50.43
987.39	-63.65	-61.82	1.50	-3.33	-13.00	-50.65
1658.00	-65.50	-71.46	9.43	-3.47	-13.00	-52.50
2487.00	-60.02	-66.81	10.62	-3.83	-13.00	-47.02
3425.00	-61.13	-68.43	12.50	-5.20	-13.00	-48.13

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.2/52
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:829 MHz +1712.5 MHz		

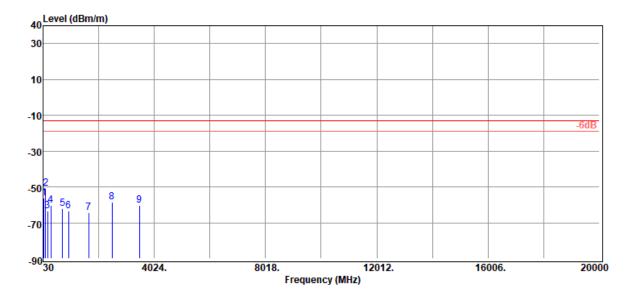


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-45.85	-16.03	-29.28	-0.54	-13.00	-32.85
80.44	-46.20	-38.23	-6.93	-1.04	-13.00	-33.20
125.06	-53.49	-44.35	-7.70	-1.44	-13.00	-40.49
156.10	-56.58	-51.26	-3.76	-1.56	-13.00	-43.58
755.56	-65.16	-63.24	0.73	-2.65	-13.00	-52.16
993.21	-65.55	-63.81	1.63	-3.37	-13.00	-52.55
1658.00	-65.08	-71.04	9.43	-3.47	-13.00	-52.08
2487.00	-62.24	-69.03	10.62	-3.83	-13.00	-49.24
3425.00	-61.50	-68.80	12.50	-5.20	-13.00	-48.50

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:836.5 MHz +1745 MHz		

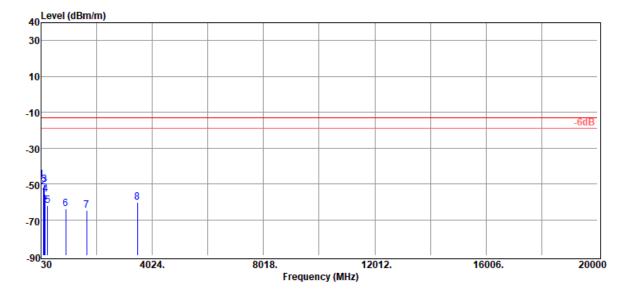


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
71.71	-56.34	-47.96	-7.47	-0.91	-13.00	-43.34
125.06	-51.08	-41.94	-7.70	-1.44	-13.00	-38.08
192.96	-63.59	-61.38	-0.43	-1.78	-13.00	-50.59
314.21	-60.30	-57.11	-0.68	-2.51	-13.00	-47.30
735.19	-62.14	-60.16	0.69	-2.67	-13.00	-49.14
946.65	-63.58	-62.18	1.82	-3.22	-13.00	-50.58
1673.00	-64.49	-70.49	9.49	-3.49	-13.00	-51.49
2509.50	-58.44	-65.47	10.76	-3.73	-13.00	-45.44
3490.00	-60.20	-67.18	12.34	-5.36	-13.00	-47.20

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.2/52
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:836.5 MHz +1745 MHz		

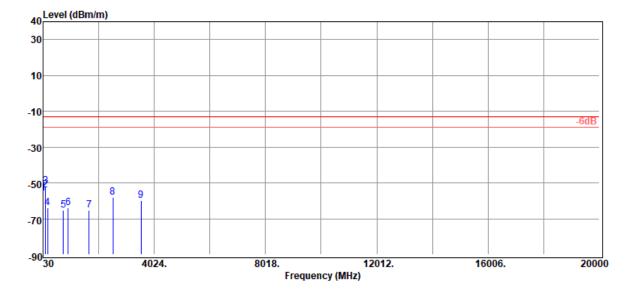


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-47.82	-18.00	-29.28	-0.54	-13.00	-34.82
124.09	-51.76	-42.58	-7.76	-1.42	-13.00	-38.76
156.10	-50.60	-45.28	-3.76	-1.56	-13.00	-37.60
183.26	-55.86	-53.32	-0.88	-1.66	-13.00	-42.86
272.50	-61.89	-58.49	-1.33	-2.07	-13.00	-48.89
919.49	-63.90	-62.23	1.63	-3.30	-13.00	-50.90
1673.00	-64.84	-70.84	9.49	-3.49	-13.00	-51.84
3490.00	-60.37	-67.35	12.34	-5.36	-13.00	-47.37

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:E2/2020/10031	Test Date	:2020-01-03
:LTE B5+B66	Temp./Humi.	:21.2/52
:TX CH HIGH	Antenna Pol.	:VERTICAL
:E2 Plan	Engineer	:Kailin
:844 MHz +1777.5 MHz		
	:LTE B5+B66 :TX CH HIGH :E2 Plan	:LTE B5+B66Temp./Humi.:TX CH HIGHAntenna Pol.:E2 PlanEngineer

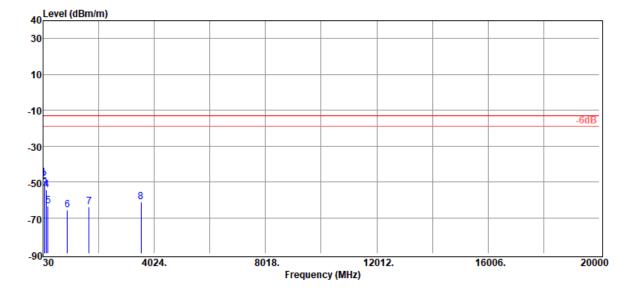


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
04.04		00.40	00.00	0.54	40.00	40.05
31.94	-55.95	-26.13	-29.28	-0.54	-13.00	-42.95
102.75	-54.05	-45.51	-7.30	-1.24	-13.00	-41.05
125.06	-51.62	-42.48	-7.70	-1.44	-13.00	-38.62
192.96	-63.81	-61.60	-0.43	-1.78	-13.00	-50.81
754.59	-65.06	-63.13	0.72	-2.65	-13.00	-52.06
936.95	-63.73	-62.31	1.83	-3.25	-13.00	-50.73
1688.00	-65.23	-71.27	9.55	-3.51	-13.00	-52.23
2532.00	-58.03	-65.17	10.89	-3.75	-13.00	-45.03
3555.00	-59.91	-66.38	12.10	-5.63	-13.00	-46.91

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E2/2020/10031	Test Date	:2020-01-03
LTE B5+B66	Temp./Humi.	:21.2/52
TX CH HIGH	Antenna Pol.	:HORIZONTAL
E2 Plan	Engineer	:Kailin
844 MHz +1777.5 MHz		
	LTE B5+B66 TX CH HIGH E2 Plan	LTE B5+B66Temp./Humi.TX CH HIGHAntenna Pol.E2 PlanEngineer



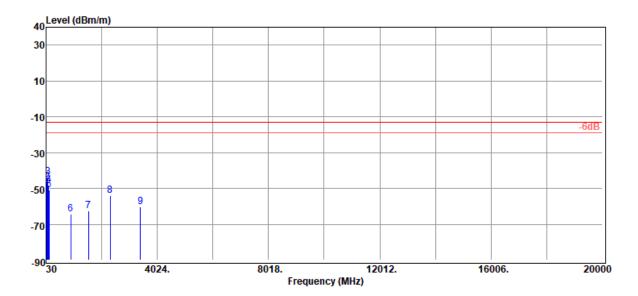
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-47.61	-17.79	-29.28	-0.54	-13.00	-34.61
81.41	-49.30	-41.39	-6.87	-1.04	-13.00	-36.30
97.90	-53.59	-45.49	-6.92	-1.18	-13.00	-40.59
153.19	-54.50	-48.80	-4.14	-1.56	-13.00	-41.50
212.36	-63.28	-61.40	-0.01	-1.87	-13.00	-50.28
910.76	-65.51	-63.93	1.55	-3.13	-13.00	-52.51
1688.00	-63.71	-69.75	9.55	-3.51	-13.00	-50.71
3555.00	-61.17	-67.64	12.10	-5.63	-13.00	-48.17

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## Radiated Spurious Emission Measurement Result: LTE Band 13 + LTE Band 66 Mode

Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz +1712.5 MHz		



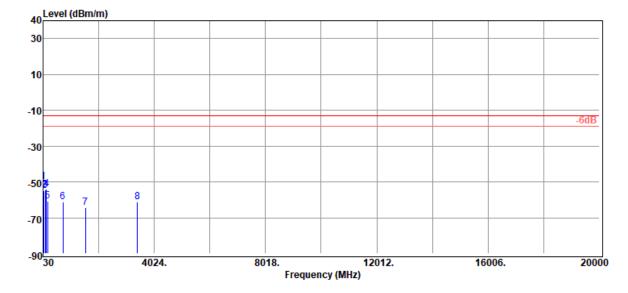
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-52.84	-40.42	-11.66	-0.76	-13.00	-39.84
72.68	-46.28	-37.94	-7.41	-0.93	-13.00	-33.28
100.81	-43.67	-35.32	-7.13	-1.22	-13.00	-30.67
125.06	-48.32	-39.18	-7.70	-1.44	-13.00	-35.32
138.64	-50.97	-43.03	-6.40	-1.54	-13.00	-37.97
924.34	-64.20	-62.56	1.67	-3.31	-13.00	-51.20
1559.00	-62.34	-67.34	8.79	-3.79	-13.00	-49.34
2338.50	-53.89	-58.97	9.61	-4.53	-13.00	-40.89
3425.00	-60.37	-67.67	12.50	-5.20	-13.00	-47.37

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:779.5 MHz +1712.5 MHz		

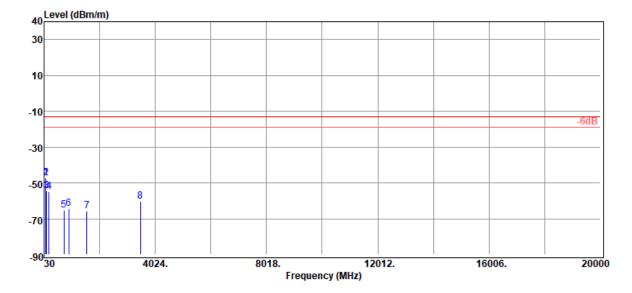


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-49.85	-20.03	-29.28	-0.54	-13.00	-36.85
71.71	-55.04	-46.66	-7.47	-0.91	-13.00	-42.04
105.66	-54.53	-45.66	-7.59	-1.28	-13.00	-41.53
153.19	-54.09	-48.39	-4.14	-1.56	-13.00	-41.09
192.96	-60.97	-58.76	-0.43	-1.78	-13.00	-47.97
750.71	-61.07	-59.20	0.75	-2.62	-13.00	-48.07
1559.00	-64.33	-69.33	8.79	-3.79	-13.00	-51.33
3425.00	-61.15	-68.45	12.50	-5.20	-13.00	-48.15

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:782 MHz +1745 MHz		

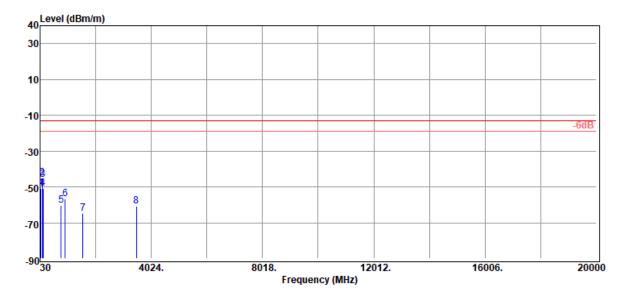


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
04.00	47.00	20 50	0.50	4 4 0	12.00	24.00
94.99	-47.28	-39.56	-6.59	-1.13	-13.00	-34.28
100.81	-47.17	-38.82	-7.13	-1.22	-13.00	-34.17
128.94	-54.35	-45.39	-7.44	-1.52	-13.00	-41.35
209.45	-54.83	-52.67	-0.32	-1.84	-13.00	-41.83
749.74	-65.10	-63.24	0.75	-2.61	-13.00	-52.10
914.64	-64.15	-62.54	1.59	-3.20	-13.00	-51.15
1564.00	-65.65	-70.75	8.84	-3.74	-13.00	-52.65
3490.00	-60.24	-67.22	12.34	-5.36	-13.00	-47.24

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:782 MHz +1745 MHz		

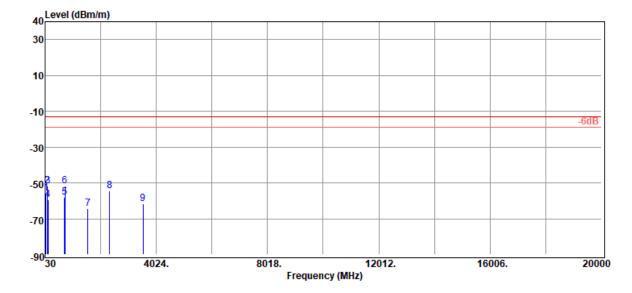


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
70.74	-50.96	-42.68	-7.39	-0.89	-13.00	-37.96
104.69	-45.11	-36.36	-7.48	-1.27	-13.00	-32.11
127.97	-46.11	-37.01	-7.60	-1.50	-13.00	-33.11
138.64	-50.73	-42.79	-6.40	-1.54	-13.00	-37.73
788.54	-60.40	-58.21	0.87	-3.06	-13.00	-47.40
936.95	-56.51	-55.09	1.83	-3.25	-13.00	-43.51
1564.00	-64.98	-70.08	8.84	-3.74	-13.00	-51.98
3490.00	-60.76	-67.74	12.34	-5.36	-13.00	-47.76

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:784.5 MHz +1777.5 MHz		

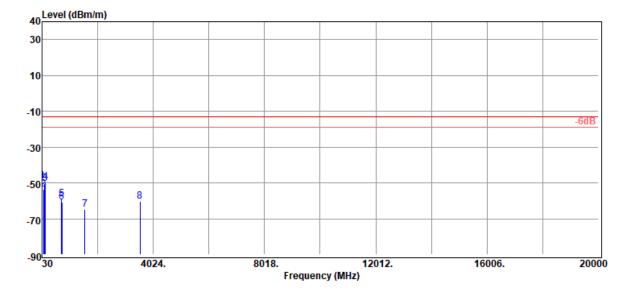


Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
71.71	-55.82	-47.44	-7.47	-0.91	-13.00	-42.82
107.60	-51.87	-42.97	-7.60	-1.30	-13.00	-38.87
125.06	-51.88	-42.74	-7.70	-1.44	-13.00	-38.88
138.64	-59.51	-51.57	-6.40	-1.54	-13.00	-46.51
730.34	-57.96	-55.96	0.73	-2.73	-13.00	-44.96
745.86	-51.96	-49.98	0.63	-2.61	-13.00	-38.96
1569.00	-64.41	-69.61	8.89	-3.69	-13.00	-51.41
2353.50	-54.52	-59.71	9.73	-4.54	-13.00	-41.52
3555.00	-61.47	-67.94	12.10	-5.63	-13.00	-48.47

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Report Number	:E2/2020/10031	Test Date	:2020-01-03
Operation Mode	:LTE B13+B66	Temp./Humi.	:21.4/53
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:E2 Plan	Engineer	:Kailin
Test Channel	:784.5 MHz +1777.5 MHz		



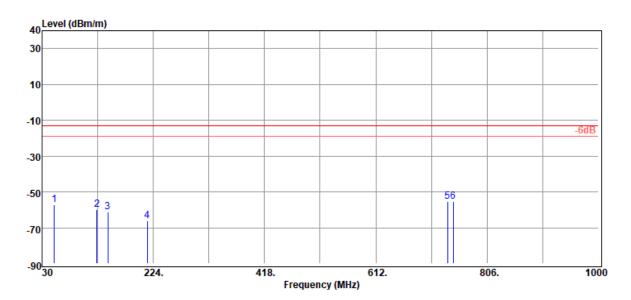
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.94	-49.04	-19.22	-29.28	-0.54	-13.00	-36.04
80.44	-53.75	-45.78	-6.93	-1.04	-13.00	-40.75
125.06	-50.23	-41.09	-7.70	-1.44	-13.00	-37.23
156.10	-49.47	-44.15	-3.76	-1.56	-13.00	-36.47
728.40	-59.13	-57.21	0.74	-2.66	-13.00	-46.13
745.86	-60.71	-58.73	0.63	-2.61	-13.00	-47.71
1569.00	-64.79	-69.99	8.89	-3.69	-13.00	-51.79
3555.00	-60.51	-66.98	12.10	-5.63	-13.00	-47.51

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# PCB 2<sup>nd</sup> Source Spot Check

Radiated Spurious Emission Measurement Result: LTE Band 5 + LTE Band 66 Mode						
Report Number	:E2/2020/10031	Test Date	:2020-01-17			
Operation Mode	:LTE B5+B66	Temp./Humi.	:21.7/54			
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL			
EUT Pol	:E2 Plan	Engineer	:Kailin			
Test Channel	:829 MHz +1712.5 MHz					



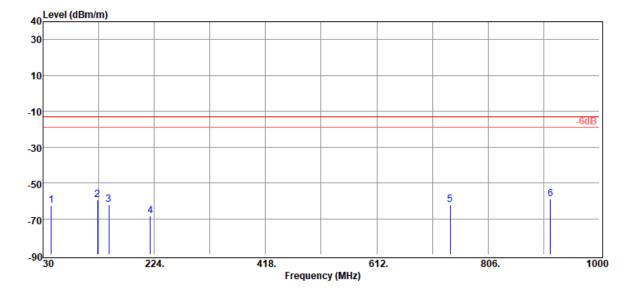
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
51.34	-57.12	-44.70	-11.66	-0.76	-13.00	-44.12
126.03	-59.91	-50.82	-7.63	-1.46	-13.00	-46.91
144.46	-61.42	-54.22	-5.65	-1.55	-13.00	-48.42
213.33	-66.17	-64.40	0.11	-1.88	-13.00	-53.17
737.13	-55.23	-53.26	0.67	-2.64	-13.00	-42.23
746.83	-55.33	-53.38	0.66	-2.61	-13.00	-42.33

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:E2/2020/10031	Test Date	:2020-01-17
:LTE B5+B66	Temp./Humi.	:21.7/54
:TX CH LOW	Antenna Pol.	:HORIZONTAL
:E2 Plan	Engineer	:Kailin
:829 MHz +1712.5 MHz		
	:LTE B5+B66 :TX CH LOW :E2 Plan	:LTE B5+B66 Temp./Humi. :TX CH LOW Antenna Pol. :E2 Plan Engineer



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
44.55	-62.47	-43.40	-18.33	-0.74	-13.00	-49.47
125.06	-59.49	-50.35	-7.70	-1.44	-13.00	-46.49
144.46	-62.14	-54.94	-5.65	-1.55	-13.00	-49.14
217.21	-68.59	-66.98	0.31	-1.92	-13.00	-55.59
740.04	-62.00	-60.03	0.64	-2.61	-13.00	-49.00
914.64	-58.89	-57.28	1.59	-3.20	-13.00	-45.89

~ End of Report ~

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