

# FCC TEST REPORT

## (PART 27)


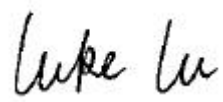
Applicant:	Sonim Technologies, Inc.
Address:	6836 Bee Cave Road, Building 1, Suite 279, Austin, Texas 78746, USA

Manufacturer or Supplier:	Sonim Technologies (Shenzhen) Limited
Address:	2nd Floor, No. 2 Building Phase B, Daqian Industrial park, Longchang Road, 67 District, Baoan, Shenzhen, P. R. China
Product:	Mobile Phone
Brand Name:	Sonim
Model Name:	XP8800
FCC ID:	WYPPG4032
Date of tests	Jul. 01, 2020 ~ Jul. 08, 2020

The tests have been carried out according to the requirements of the following standard:

- FCC Part 27, Subpart C, M       ANSI/TIA/EIA-603-D  
 FCC Part 2                               ANSI/TIA/EIA-603-E     ANSI C63.26-2015

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Alex Chen Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
	
Date: Jul. 23, 2020	Date: Jul. 23, 2020

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



Test Report No.: RF200702W001-8

## TABLE OF CONTENTS

<b>RELEASE CONTROL RECORD</b> .....	<b>3</b>
<b>1 SUMMARY OF TEST RESULTS</b> .....	<b>4</b>
1.1 MEASUREMENT UNCERTAINTY.....	4
1.2 TEST SITE AND INSTRUMENTS.....	5
<b>2 GENERAL INFORMATION</b> .....	<b>6</b>
2.1 GENERAL DESCRIPTION OF EUT.....	6
2.2 CONFIGURATION OF SYSTEM UNDER TEST.....	10
2.3 DESCRIPTION OF SUPPORT UNITS.....	11
2.4 TEST ITEM AND TEST CONFIGURATION.....	11
2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS.....	13
<b>3 TEST TYPES AND RESULTS</b> .....	<b>14</b>
3.1 RADIATED EMISSION MEASUREMENT.....	14
3.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT.....	14
3.1.2 TEST PROCEDURES.....	14
3.1.3 DEVIATION FROM TEST STANDARD.....	14
3.1.4 TEST SETUP.....	15
3.1.5 TEST RESULTS.....	16
<b>4 INFORMATION ON THE TESTING LABORATORIES</b> .....	<b>19</b>
<b>5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB</b> .....	<b>20</b>



Test Report No.: RF200702W001-8

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF170730W002-8	Original release	Nov. 23, 2017
RF171201W001-8	Based on the original report RF170730W002-8 disable CDMA function.	Dec. 25, 2017
RF200702W001-8	Based on the original report RF171201W001-8 add a new charger, update SW version, change the address and add two type numbers	Jul. 23, 2020

## 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 27 & Part 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
2.1046 27.50(h)(2)	Equivalent Isotropically Radiated Power	N.A	See note 1
2.1055 27.54	Frequency Stability	N.A	See note 1
2.1049 27.53(m)(6)	Occupied Bandwidth	N.A	See note 1
2.1051 27.53(m)(4)(6)	Band Edge Measurements	N.A	See note 1
2.1051 27.53(m)(4)(6)	Conducted Spurious Emissions	N.A	See note 1
2.1053 27.53(m)(4)(6)	Radiated Spurious Emissions	Compliance	Meet the requirement of limit.

\* Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

Note:

1. Per the change notice provide by manufactory, the difference is add a new charger and two type numbers, and change the address and SW version, all the change no effect any RF parameter, Therefore only verify the radiated emission and show the verify test data on this report.  
RF200701W004-8.

### 1.1 MEASREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	± 76.97Hz
Radiated emissions & Radiated Power (30MHz~1GMHz)	±4.98dB
Radiated emissions & Radiated Power (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	± 4.01dB
Occupied Channel Bandwidth	± 43.58KHz
Conducted Output power	± 2.06dB
Band Edge Measurements	±4.70dB

This uncertainty represents an expanded uncertainty expressed at approximately the

95% confidence level using a coverage factor of k=2.

## 1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,20	Feb. 25,21
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510322	Feb. 26,20	Feb. 25,21
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 26,20	Feb. 25,21
Horn Antenna (1GHz-18GHz)	ETS-LINDGREN	3117	00168692	Nov. 30, 19	Nov. 29, 20
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40 -K-SG/QMS-00 361	15433	Nov. 21, 19	Nov. 20, 20
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 26,20	Feb. 25,21
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,20	Jun. 01,21
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 02,20	Jun. 01,21
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 30,20	Apr. 29,21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	Feb. 26,20	Feb. 25,21
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SM A	1505	Jun. 03,20	Jun. 02,21
Power Meter	Anritsu	ML2495A	1506002	Feb. 26,20	Feb. 25,21
Power Sensor	Anritsu	MA2411B	1339352	Feb. 26,20	Feb. 25,21
Humid & Temp Programmable Tester	Juyi	ITH-120-45-CP -AR	IAA1504-001	Jun. 02,20	Jun. 01,21
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 26,20	Feb. 25,21
Power Divider	MCLI/USA	PS2-15	24880	N/A	N/A

- NOTE:**
1. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
  3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
  4. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

<b>EUT</b>	Mobile Phone	
<b>BRAND NAME</b>	Sonim	
<b>MODEL NAME</b>	XP8800	
<b>TYPE NUMBER</b>	PG4032/PG4033/PG4034/PG4035/PG4012/PG4041/PG4022/PG4011/PG4061	
<b>POWER SUPPLY</b>	5/9Vdc (adapter or host equipment) 3.85Vdc (Li-ion, battery)	
<b>MODULATION TECHNOLOGY</b>	<b>LTE</b>	QPSK, 16QAM, 64QAM
<b>FREQUENCY RANGE</b>	<b>LTE Band 7 Channel Bandwidth: 5MHz</b>	2502.5MHz ~ 2567.5MHz
	<b>LTE Band 7 Channel Bandwidth: 10MHz</b>	2505MHz ~ 2565MHz
	<b>LTE Band 7 Channel Bandwidth: 15MHz</b>	2507.5MHz ~ 2562.5MHz
	<b>LTE Band 7 Channel Bandwidth: 20MHz</b>	2510MHz ~ 2560MHz
	<b>LTE Band 38 Channel Bandwidth: 5MHz</b>	2572.5MHz ~ 2617.5MHz
	<b>LTE Band 38 Channel Bandwidth: 10MHz</b>	2575MHz ~ 2615MHz
	<b>LTE Band 38 Channel Bandwidth: 15MHz</b>	2577.5MHz ~ 2612.5MHz
	<b>LTE Band 38 Channel Bandwidth: 20MHz</b>	2580MHz ~ 2610MHz
	<b>LTE Band 41 Channel Bandwidth: 5MHz</b>	2437.5MHz ~ 2652.5MHz
	<b>LTE Band 41 Channel Bandwidth: 10MHz</b>	2540MHz ~ 2650MHz
	<b>LTE Band 41 Channel Bandwidth: 15MHz</b>	2542.5MHz ~ 2647.5MHz
	<b>LTE Band 41 Channel Bandwidth: 20MHz</b>	2545MHz ~ 2645MHz

<b>EMISSION DESIGNATOR</b>	<b>LTE Band 7 Channel Bandwidth: 5MHz</b>	QPSK: 4M49G7D
		16QAM: 4M47W7D
		64QAM: 4M49W7D
	<b>LTE Band 7 Channel Bandwidth: 10MHz</b>	QPSK: 8M95G7D
		16QAM: 8M95W7D
		64QAM: 8M95W7D
	<b>LTE Band 7 Channel Bandwidth: 15MHz</b>	QPSK: 13M4G7D
		16QAM: 13M4W7D
		64QAM: 13M4W7D
	<b>LTE Band 7 Channel Bandwidth: 20MHz</b>	QPSK: 18M0G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
	<b>LTE Band 38 Channel Bandwidth: 5MHz</b>	QPSK: 4M48G7D
		16QAM: 4M48W7D
		64QAM: 4M49W7D
	<b>LTE Band 38 Channel Bandwidth: 10MHz</b>	QPSK: 8M94G7D
		16QAM: 8M94W7D
		64QAM: 8M95W7D
	<b>LTE Band 38 Channel Bandwidth: 15MHz</b>	QPSK: 13M4G7D
		16QAM: 13M4W7D
		64QAM: 13M4W7D
	<b>LTE Band 38 Channel Bandwidth: 20MHz</b>	QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
<b>LTE Band 41 Channel Bandwidth: 5MHz</b>	QPSK: 4M48G7D	
	16QAM: 4M48W7D	
	64QAM: 4M49W7D	
<b>LTE Band 41 Channel Bandwidth: 10MHz</b>	QPSK: 8M93G7D	
	16QAM: 8M94W7D	
	64QAM: 8M94W7D	
<b>LTE Band 41 Channel Bandwidth: 15MHz</b>	QPSK: 13M4G7D	
	16QAM: 13M4W7D	
	64QAM: 13M4W7D	
<b>LTE Band 41 Channel Bandwidth: 20MHz</b>	QPSK: 17M9G7D	
	16QAM: 17M9W7D	
	64QAM: 17M9W7D	

<b>MAX. EIRP POWER</b>	<b>LTE Band 7 Channel Bandwidth: 5MHz</b>	373mW
	<b>LTE Band 7 Channel Bandwidth: 10MHz</b>	403mW
	<b>LTE Band 7 Channel Bandwidth: 15MHz</b>	423mW
	<b>LTE Band 7 Channel Bandwidth: 20MHz</b>	355mW
	<b>LTE Band 38 Channel Bandwidth: 5MHz</b>	222mW
	<b>LTE Band 38 Channel Bandwidth: 10MHz</b>	236mW
	<b>LTE Band 38 Channel Bandwidth: 15MHz</b>	237mW
	<b>LTE Band 38 Channel Bandwidth: 20MHz</b>	209mW
	<b>LTE Band 41 Channel Bandwidth: 5MHz</b>	173mW
	<b>LTE Band 41 Channel Bandwidth: 10MHz</b>	176mW
	<b>LTE Band 41 Channel Bandwidth: 15MHz</b>	177mW
	<b>LTE Band 41 Channel Bandwidth: 20MHz</b>	156mW
	<b>ANTENNA TYPE</b>	Fixed Internal antenna
<b>ANTENNA GAIN</b>	0dBi gain for LTE Band 7 -1dBi gain for LTE Band 38/ LTE Band 41	
<b>HW VERSION</b>	A	
<b>SW VERSION</b>	8A.0.0-00-10.0.0-00.34.01	
<b>I/O PORTS</b>	Refer to user's manual	
<b>CABLE SUPPLIED</b>	USB cable 1: With shield, detachable, 1.5meter USB cable 2: non-shielded, detachable, 1.0meter	

**NOTE:**

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT was powered by the following adapter:

<b>ADAPTER 1</b>	
<b>BRAND:</b>	Sonim
<b>MODEL:</b>	S42A02
<b>INPUT:</b>	AC 100-240V, 500mA
<b>OUTPUT:</b>	DC 5V, 1500mA DC 9V, 1500mA DC 12V, 1100mA



<b>ADAPTER 2</b>	
<b>BRAND:</b>	Sonim
<b>MODEL:</b>	S84A02
<b>INPUT:</b>	AC 100-240V, 750mA
<b>OUTPUT:</b>	DC 5V, 3000mA DC 9V, 2220mA DC 12V,1670mA

3. The EUT matched the following USB cables:

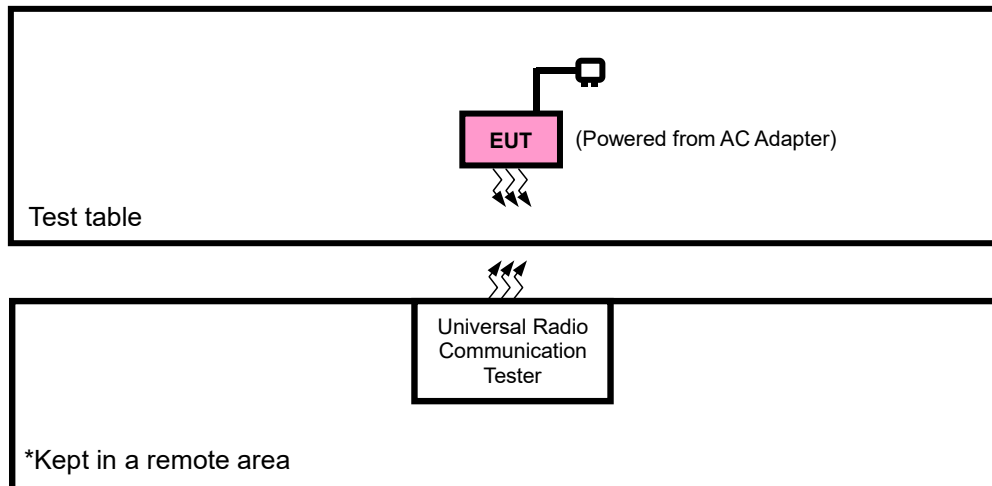
<b>USB CABLE 1</b>	
<b>BRAND:</b>	N/A
<b>MODEL:</b>	N/A
<b>SIGNAL LINE:</b>	1.5 METER

<b>USB CABLE 2</b>	
<b>BRAND:</b>	N/A
<b>MODEL:</b>	N/A
<b>SIGNAL LINE:</b>	1.0 METER

4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

## 2.2 CONFIGURATION OF SYSTEM UNDER TEST

### FOR RADIATION EMISSION TEST



### 2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	LONG WEI	PS-6403D	010934269	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.8m

### 2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on Y-plane for EIRP and X-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter + USB Cable with LTE link
B	EUT + Battery with LTE link

**LTE BAND 7 MODE**

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	RADIATED EMISSION	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB / 0RB Offset
		20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB Offset

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

**LTE BAND 38 MODE**

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	RADIATED EMISSION	37775 to 38225	38000	5MHz	QPSK	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK	1 RB / 0RB Offset
		37825 to 38175	38000	15MHz	QPSK	1 RB / 0 RB Offset
		37850 to 38150	38000	20MHz	QPSK	1 RB / 0 RB Offset

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

**LTE BAND 41 MODE**

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	40620	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	40620	20MHz	QPSK	1 RB / 0 RB Offset

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.



Test Report No.: RF200702W001-8

**TEST CONDITION:**

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RADIATED EMISSION	24deg. C, 60%RH	DC 5/9V from adaptor	Simon Yang

**2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS**

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 27**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**ANSI/TIA/EIA-603-D**

**ANSI/TIA/EIA-603-E**

**ANSI C63.26-2015**

**NOTE:** All test items have been performed and recorded as per the above standards.

### 3 TEST TYPES AND RESULTS

#### 3.1 RADIATED EMISSION MEASUREMENT

##### 3.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $55 + 10 \log_{10}(P)$  dB. The limit of emission is equal to -25dBm.

##### 3.1.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G.
- c.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$ .

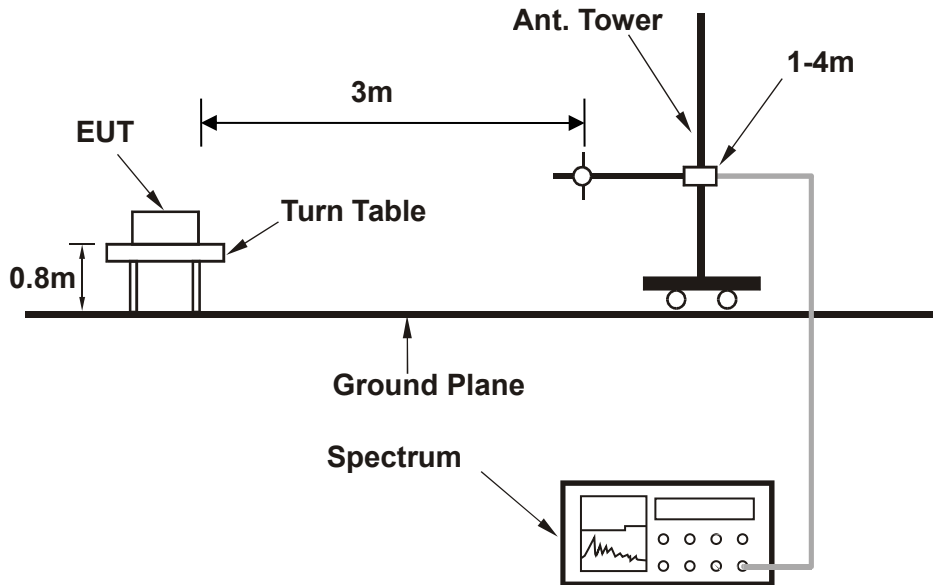
**NOTE:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

##### 3.1.3 DEVIATION FROM TEST STANDARD

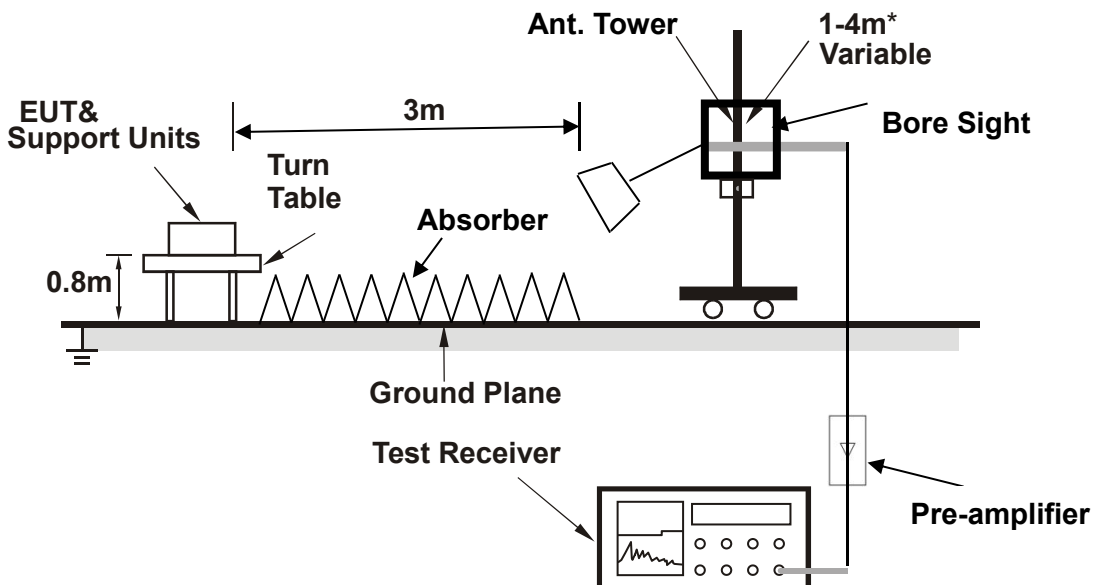
No deviation

### 3.1.4 TEST SETUP

#### < Frequency Range 30MHz~1GHz >



#### <Frequency Range above 1GHz>



**Note:** Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 3.1.5 TEST RESULTS

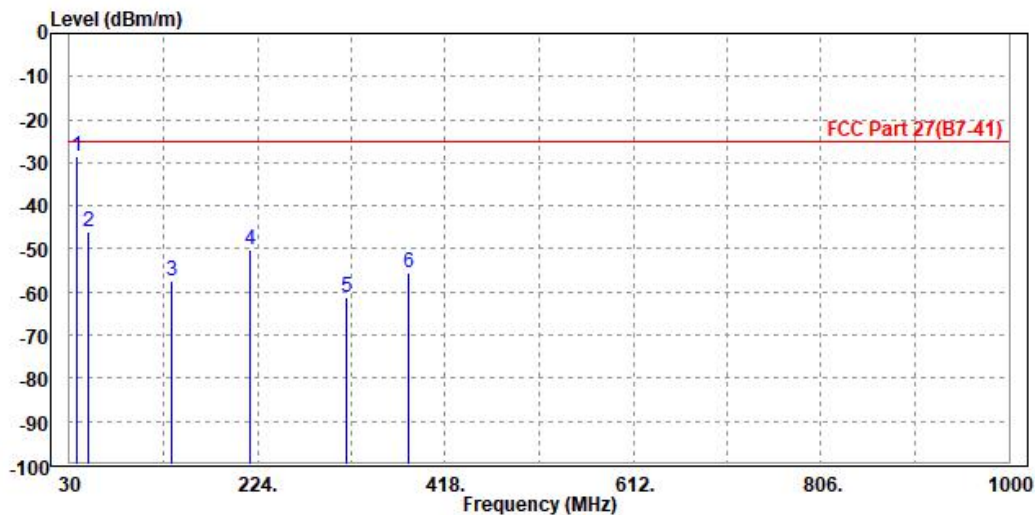
#### BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

LTE Band 41:

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	26deg. C, 56%RH	<b>INPUT POWER</b>	DC 5/9V from adapter
<b>TESTED BY</b>	Jacky Liu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	37.560	-28.40	-40.66	-25.00	-3.40	12.26 Peak	Horizontal
2		49.630	-46.13	-49.58	-25.00	-21.13	3.45 Peak	Horizontal
3		135.220	-57.48	-39.65	-25.00	-32.48	-17.83 Peak	Horizontal
4		216.380	-50.13	-33.21	-25.00	-25.13	-16.92 Peak	Horizontal
5		315.630	-61.26	-47.98	-25.00	-36.26	-13.28 Peak	Horizontal
6		380.650	-55.36	-44.25	-25.00	-30.36	-11.11 Peak	Horizontal



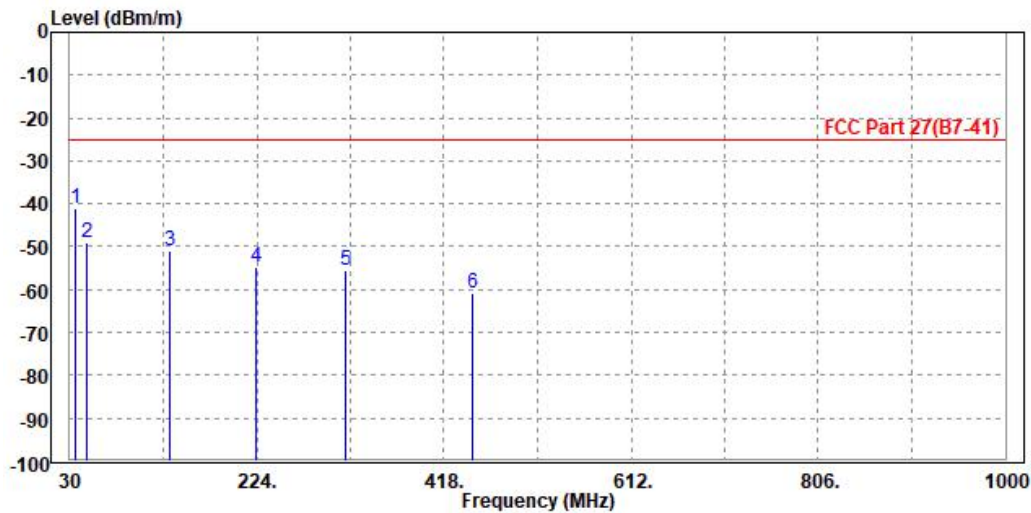




Test Report No.: RF200702W001-8

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	26deg. C, 56%RH	<b>INPUT POWER</b>	DC 5/9V from adapter
<b>TESTED BY</b>	Jacky Liu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	36.550	-40.99	-39.68	-25.00	-15.99	-1.31 Peak	Vertical
2		47.220	-49.19	-45.33	-25.00	-24.19	-3.86 Peak	Vertical
3		132.990	-50.82	-38.25	-25.00	-25.82	-12.57 Peak	Vertical
4		223.990	-54.71	-43.65	-25.00	-29.71	-11.06 Peak	Vertical
5		315.750	-55.50	-44.26	-25.00	-30.50	-11.24 Peak	Vertical
6		446.980	-60.75	-51.55	-25.00	-35.75	-9.20 Peak	Vertical





**BUREAU  
VERITAS**

**Test Report No.: RF200702W001-8**

**ABOVE 1GHz**

**Note:** For higher frequency, the emission is too low to be detected.

N/A



Test Report No.: RF200702W001-8

#### 4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

**Shenzhen EMC/RF Lab:**

Tel: +86-755-88696566

Fax: +86-755-88696577

**Email:** [customerservice.sw@cn.bureauveritas.com](mailto:customerservice.sw@cn.bureauveritas.com)

**Web Site:** [www.cps.bureauveritas.com](http://www.cps.bureauveritas.com)

The address and road map of all our labs can be found in our web site also.



Test Report No.: RF200702W001-8

## 5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---