



Radio Test Report

FCC ID: 2A7QY-C8

Original Grant

Report No.	:	TBR-C-202505-0225-111
Applicant	:	Shenzhen Arington Technology Co., Ltd
Equipment Under Test (EUT)		
EUT Name	:	Mobile phone
Model No.	:	C8
Series Model No.	:	C8A, C81, SLV41 4G DS
Brand Name	:	----
Sample ID	:	HC-C-202505-0226-01-03# & HC-C-202505-0226-01-04#
Receipt Date	:	2025-06-20
Test Date	:	2025-06-20 to 2025-07-31
Issue Date	:	2025-07-31
Standards	:	47 CFR Part 2, 24(E), 27
Test Method	:	ANSI C63.26 2015
Conclusions	:	PASS
In the configuration tested, the EUT complied with the standards specified above.		
Test By	:	<i>Rick Chen</i> Rick Chen
Reviewed By	:	<i>Camille Li</i> Camille Li
Approved By	:	<i>IVAN SU</i> Ivan Su*

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

Contents

CONTENTS.....	2
1. GENERAL INFORMATION ABOUT EUT.....	5
1.1 Client Information.....	5
1.2 General Description of EUT (Equipment Under Test)	5
1.3 Block Diagram Showing the Configuration of System Tested.....	7
1.4 Description of Support Units	7
1.5 Measurement Uncertainty	8
1.6 Test Facility.....	8
2. TEST SUMMARY.....	9
3. TEST SOFTWARE.....	10
4. TEST EQUIPMENT AND TEST SITE.....	11
5. CONDUCTED RF OUTPUT POWER.....	12
5.1 Test Standard.....	12
5.2 Test Setup.....	12
5.3 Test Procedure.....	12
5.4 Deviation From Test Standard.....	12
5.5 EUT Operating Mode	12
5.6 Test Data.....	12
6. PEAK-AVERAGE RATIO.....	13
6.1 Test Standard and Limit.....	13
6.2 Test Setup.....	13
6.3 Test Procedure.....	13
6.4 Deviation From Test Standard.....	13
6.5 EUT Operating Mode	13
6.6 Test Data.....	14
7. OCCUPIED BANDWIDTH.....	15
7.1 Test Standard and Limit.....	15
7.2 Test Setup.....	15
7.3 Test Procedure.....	15
7.4 Deviation From Test Standard.....	15
7.5 EUT Operating Mode	15
7.6 Test Data.....	16
8. OUT OF BAND EMISSION AT ANTENNA TERMINALS.....	17



8.1 Test Standard and Limit.....	17
8.2 Test Setup.....	18
8.3 Test Procedure.....	18
8.4 Deviation From Test Standard.....	18
8.5 EUT Operating Mode	18
8.6 Test Data.....	18
9. BAND EDGE TEST.....	19
9.1 Test Standard and Limit.....	19
9.2 Test Setup.....	20
9.3 Test Procedure.....	20
9.4 Deviation From Test Standard.....	20
9.5 EUT Operating Mode	20
9.6 Test Data.....	20
10. RADIATED OUTPUT POWER	21
10.1 Test Standard and Limit	21
10.2 Test Setup.....	21
10.3 Test Procedure.....	22
10.4 Deviation From Test Standard.....	22
10.5 EUT Operating Mode	22
10.6 Test Data.....	22
11. RADIATED OUT BAND OF EMISSIONS.....	23
11.1 Test Standard and Limit	23
11.2 Test Setup.....	23
11.3 Test Procedure.....	23
11.4 Deviation From Test Standard.....	23
11.5 EUT Operating Mode	23
11.6 Test Data.....	23
12. FREQUENCY STABILITY	25
12.1 Test Standard and Limit	25
12.2 Test Setup.....	25
12.3 Test Procedure.....	25
12.4 Deviation From Test Standard.....	25
12.5 EUT Operating Mode	25
12.6 Test Data.....	26
ATTACHMENT A--RADIATED OUTPUT POWER.....	26
ATTACHMENT B--RADIATED OUT BAND OF EMISSIONS	31



Revision History

Report No.	Version	Description	Issued Date
TBR-C-202505-0225-111	Rev.01	Initial issue of report	2025-07-31



1. General Information about EUT

1.1 Client Information

Applicant	:	Shenzhen Arington Technology Co., Ltd
Address	:	501, Bldg D, Huawan Industrial Park, No.4159 Baoan Avenue, Baoan District Shenzhen, 518000 China
Manufacturer	:	Shenzhen Arington Technology Co., Ltd
Address	:	501, Bldg D, Huawan Industrial Park, No.4159 Baoan Avenue, Baoan District Shenzhen, 518000 China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Mobile phone
Models No.	:	C8, C8A, C81, SLV41 4G DS
Model Different	:	All models are identical in the same PCB layout, interior structure and electrical circuits, the only difference is that model name.
Product Description	:	Frequency Bands: LTE Band 2: TX: 1850MHz-1910MHz LTE Band 7: TX: 2500MHz -2570MHz LTE Band 12: TX: 699MHz -716MHz LTE Band 17: TX: 704MHz -716MHz
	Antenna Gain:	LTE Band 2: TX: 0.62dBi LTE Band 7: TX: 2.33dBi LTE Band 12: TX: -1.16dBi LTE Band 17: TX: -3.15dBi
	Modulation Type:	QPSK, 16QAM
Power Rating	:	Adapter Model: Prime-A1 Input: 100-240V~50/60Hz,0.3A Output: 5V=550mA
Li-ion Polymer Battery	:	3.7V by 1400mAh Rechargeable Li-ion battery
Software Version	:	T29_YRT_C8168_C8_EU_V01_20250523
Hardware Version	:	T29_MB_V1.0_20240815
Remark: (1) The antenna gain provided by the applicant, the adapter and verified for the RF conduction test provided by TOBY test lab. (2) The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		



(3) Channel List

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 2	1.4	1850.7	1880.0	1909.3
	3	1851.5	1880.0	1908.5
	5	1852.5	1880.0	1907.5
	10	1855.0	1880.0	1905.0
	15	1857.5	1880.0	1902.5
	20	1860.0	1880.0	1900.0

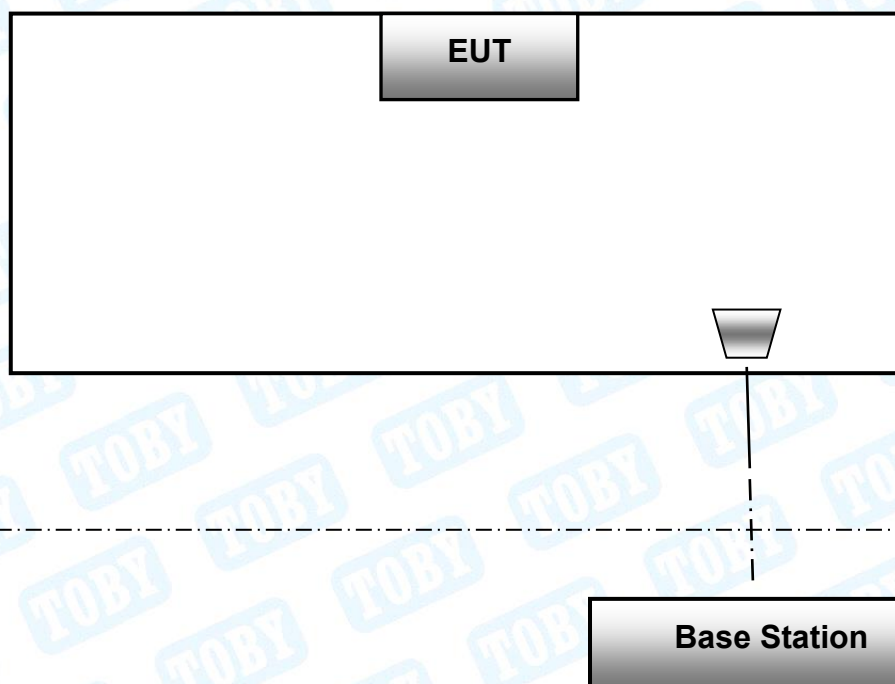
Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 7	5	2502.5	2535.00	2567.5
	10	2505.0	2535.00	2565.0
	15	2507.5	2535.00	2562.5
	20	2510.0	2535.00	2560.0

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0

Test mode:	Nominal Bandwidth (MHz)	RF Channel		
		Low (L)	Middle (M)	High (H)
		MHz	MHz	MHz
LTE Band 17	5	706.5	710.0	713.5
	10	709.0	710.0	711.0



1.3 Block Diagram Showing the Configuration of System Tested



The above block diagram of setup is the normal mode. And more detail please refer to the test setup of each test item of bellow.

1.4 Description of Support Units

The EUT has been tested as an independent unit.



1.5 Measurement Uncertainty

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
RF Power, conducted	/	±0.82 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB

1.6 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



2. Test Summary

Test Item	Section in CFR 47	Result
RF Output Power	Part 2.1046 Part 24.232(c) Part 27.50 (h)(2) Part 27.50 (c)	PASS
Peak-to-Average Ratio	Part 2.1046 Part 24.232(d) Part 27.50(d)(5)	PASS
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 24.238(b) Part 27.53(h) Part 27.53(m)	PASS
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 24.238(a) Part 27.53 (g) Part 27.53(m)	PASS
Field Strength of Spurious Radiation	Part 2.1053 Part 24.238(a) Part 27.53 (g) Part 27.53(m)	PASS
Out of band emission, Band Edge	Part 2.1051 Part 24.238(a) Part 27.53 (g) Part 27.53(m)	PASS
Frequency stability vs. temperature	Part 2.1055(a)(1)(b) Part 27.54 Part 24.235	PASS
Frequency stability vs. voltage	Part 2.1055(a)(1)(b) Part 27.54 Part 24.235	PASS
Pass: The EUT complies with the essential requirements in the standard.		



3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Radiation Emission	EZ-EMC	EZ	FA-03A2RE+
RF Test System	JS1120	Tonscend	V3.1.46



4. Test Equipment and Test Site

Test Site				
No.	Test Site	Manufacturer	Specification	Used
TB-EMCSR001	Shielding Chamber #1	YIHENG	7.5*4.0*3.0 (m)	X
TB-EMCSR002	Shielding Chamber #2	YIHENG	8.0*4.0*3.0 (m)	✓
TB-EMCCA001	3m Anechoic Chamber #A	ETS	9.0*6.0*6.0 (m)	X
TB-EMCCB002	3m Anechoic Chamber #B	YIHENG	9.0*6.0*6.0 (m)	✓

Radiation Emission Test(B Site)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 29, 2024	Aug. 28, 2025
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Feb.20, 2025	Feb.19, 2026
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Nov. 13, 2023	Nov. 12, 2025
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Jun. 14, 2024	Jun. 13, 2026
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 27, 2024	Feb.26, 2026
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 14, 2024	Jun. 13, 2026
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Aug. 29, 2024	Aug. 28, 2025
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 29, 2024	Aug. 28, 2025
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 29, 2024	Aug. 28, 2025
Pre-amplifier	HP	8449B	3008A00849	Feb.20, 2025	Feb.19, 2026
Highpass Filter	CD	HPM-6.4/18G	---	N/A	N/A
Highpass Filter	CD	HPM-2.8/18G	---	N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A
Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Aug. 29, 2024	Aug. 28, 2025
Spectrum Analyzer	KEYSIGHT	N9020B	MY60110172	Aug. 29, 2024	Aug. 28, 2025
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Aug. 29, 2024	Aug. 28, 2025
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Aug. 29, 2024	Aug. 28, 2025
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Aug. 29, 2024	Aug. 28, 2025
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Aug. 29, 2024	Aug. 28, 2025
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 29, 2024	Aug. 28, 2025
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A



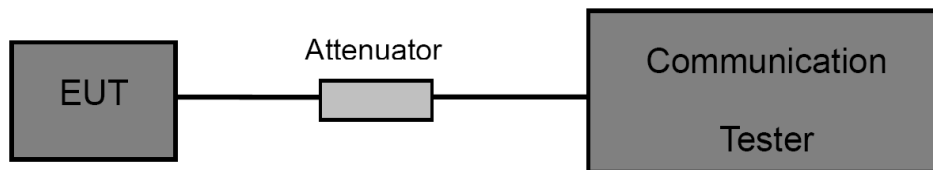
5. Conducted RF Output Power

5.1 Test Standard

5.1.1 Test Standard

FCC Part 2.1046
FCC Part 24.232(c)
FCC Part 27.50 (h)(2)
FCC Part 27.50 (c)

5.2 Test Setup



5.3 Test Procedure

- (1) The EUT is coupled to the Base Station with the suitable Attenuator, the path loss is calibrated to correct the reading.
- (2) A call is set up by the Base Station to the generic call set up procedure.
- (3) Set EUT at maximum power level through base station by power level command.
- (4) Then read record the power value from the Base Station in dBm.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.

5.6 Test Data

Please refer to the Appendix C LTE Test Data.



6. Peak-Average Ratio

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 2.1046

FCC Part 24.232(d)

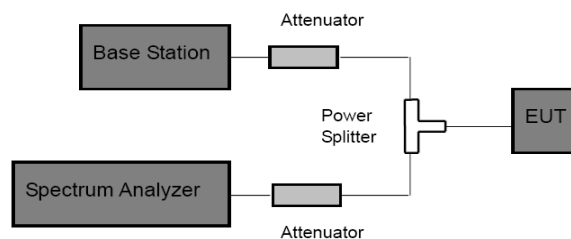
FCC Part 27.50(d)(5)

6.1.2 Test Limit

Peak-to-Average Ratio

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

6.2 Test Setup



6.3 Test Procedure

According with KDB 971168

- (1) The signal analyzer's CCDF measurement profile is enabled.
- (2) Frequency = carrier center frequency.
- (3) Measurement BW > Emission bandwidth of signal.
- (4) The signal analyzer was set to collect one million samples to generate the CCDF curve.
- (5) Set the EUT working in highest power level, measured and recorded the 0.1% as PAPR level.
- (6) The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which of the transmitter is operating at maximum power.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.



6.6 Test Data

Please refer to the Appendix C LTE Test Data.



7. Occupied Bandwidth

7.1 Test Standard and Limit

7.1.1 Test Standard

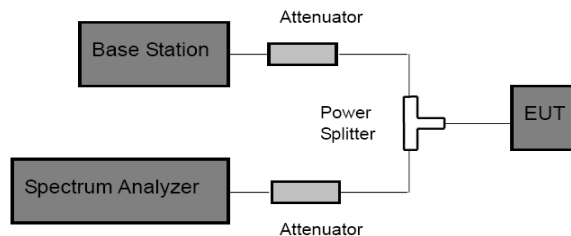
FCC Part 2.1049
FCC Part 24.238(b)
FCC Part 27.53(h)
FCC Part 27.53(m)

7.1.2 Test Limit

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Occupied bandwidth is also known as 99% power and -26dbc occupied bandwidths.

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and Base station via power splitter as show in the block diagram above.
- (2) The resolution bandwidth of the Spectrum Analyzer is set to at least 1% of the occupied bandwidth. VBW= 3 times RBW.
- (3) The low, middle and the high channels are selected to perform tests respectively.
- (4) Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; search peak; make a line whose value is 26dB lower than the peak; mark two points which the line intersected the waveform at; finally record the delta of the two points as the occupied bandwidth and the plot.
- (5) Set the Spectrum Analyzer Occupied bandwidth function to measure the 99% occupied bandwidth.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.



7.6 Test Data

Please refer to the Appendix C LTE Test Data.



8. Out of Band Emission at Antenna Terminals

8.1 Test Standard and Limit

8.1.1 Test Standard

FCC Part 2.1051
FCC Part 24.238(a)
FCC Part 27.53 (g)
FCC Part 27.53(m)

8.1.2 Test Limit

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
 - (i) $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment, and
 - (ii) $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment.
- b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

Equipment shall comply with the limits in (i) and (ii) below.

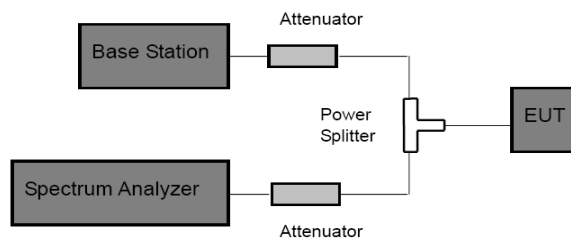
- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- (ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

- (i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

- (ii) After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB



8.2 Test Setup



8.3 Test Procedure

- 1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- 2 The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
- 3 For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.
- 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter.

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.

8.6 Test Data

Please refer to the Appendix C LTE Test Data.



9. Band Edge Test

9.1 Test Standard and Limit

9.1.1 Test Standard

FCC Part 2.1051
FCC Part 24.238(a)
FCC Part 27.53 (g)
FCC Part 27.53(m)

9.1.2 Test Limit

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
 - (i) $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment, and
 - (ii) $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment.
- b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

Equipment shall comply with the limits in (i) and (ii) below.

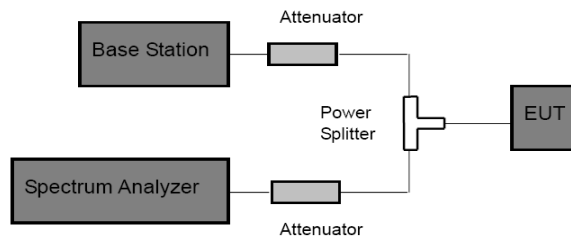
- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts).
- (ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least $43 + 10 \log_{10} p$ (watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

- (i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

- (ii) After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB



9.2 Test Setup



9.3 Test Procedure

- 1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- 2 The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
- 3 For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.
- 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.

9.6 Test Data

Please refer to the Appendix C LTE Test Data.



10. Radiated Output Power

10.1 Test Standard and Limit

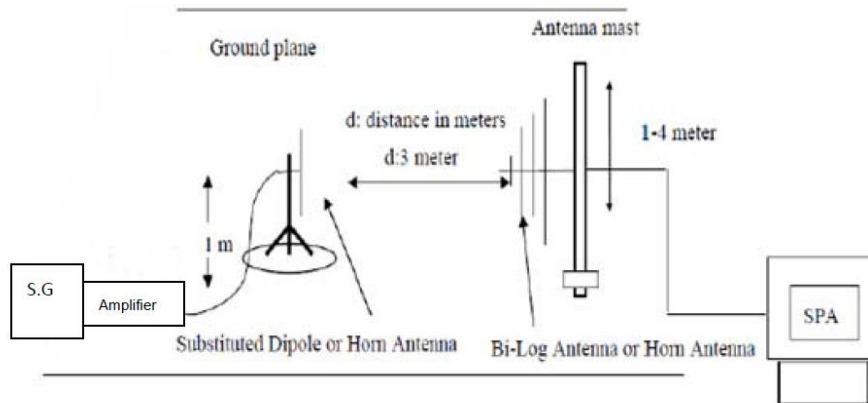
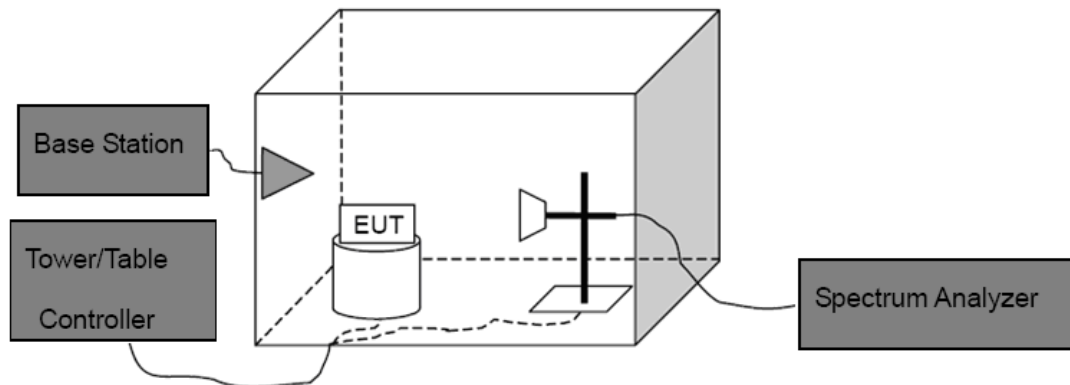
10.1.1 Test Standard

FCC Part 2.1046
FCC Part 24.232(c)
FCC Part 27.50 (h)(2)
FCC Part 27.50 (c)

10.1.2 Test Limit

E.I.R.P	E.I.R.P	E.R.P	E.R.P
LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 12
2W(33 dBm)	1W(30 dBm)	7W(38.45dBm)	3W(34.77dBm)
E.R.P			
LTE Band 13			
3W(34.77dBm)			

10.2 Test Setup



Substituted Method



10.3 Test Procedure

- (1) The EUT was placed on an non-conductive rotating platform with 0.8 meter height in an anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RBW=3 MHz, VBW=3 MHz and peak detector settings.
- (2) During the measurement, the EUT was enforced in maximum power and linked with the Base Station. The highest was recorded from analyzer power level (LVT) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
- (3) Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to C63.26. The EUT was replaced by dipole antenna (for frequency below 1 GHz) or Horn antenna (for frequency above 1 GHz) at same location with same polarize of receiver antenna and then a known power of each measure frequency from S.G. was applied into the dipole antenna or Horn antenna through a TX cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.

Note: In test, the S.G Connect the Pre-amplifier(Sonoma 310N Pre-amplifier for frequency below 1 GHz, HP 8449B Pre-amplifier for frequency above 1 GHz)

Then the EUT's EIRP and ERP was calculated with the correction factor:

$ERP = S.G.Level + Antenna\ Gain\ Cord.(dB) - Cable\ Loss(dB)$

$EIRP = S.G.Level + Antenna\ Gain\ Cord.(dBi) - Cable\ Loss(dB)$

10.4 Deviation From Test Standard

No deviation

10.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.

10.6 Test Data

Please refer to the Attachment A.

Measurement Data (worst case)



11. Radiated Out Band of Emissions

11.1 Test Standard and Limit

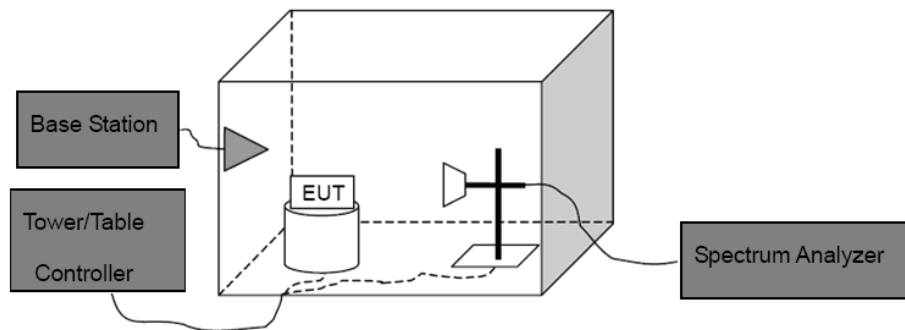
11.1.1 Test Standard

FCC Part 2.1053
FCC Part 24.238(a)
FCC Part 27.53 (g)
FCC Part 27.53(m)

11.1.2 Test Limit

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. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm.

11.2 Test Setup



11.3 Test Procedure

- (1) The test system setup as show in the block diagram above.
- (2) The EUT was placed on an non-conductive rotating platform in an anechoic chamber. The radiated spurious emissions from 30MHz to 10th harmonious of fundamental frequency were measured at 3 m with a test antenna and a spectrum analyzer with RBW=1 MHz, VBW=1 MHz, peak detector settings.
- (3) During the measurement, the EUT was enforced in maximum power and linked with a base station. All the spurious emissions at 3m were measured by rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
- (4) When found the maximum level of emissions from the EUT. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB=10 log(TX power in Watts/0.001)-the absolute level
Spurious attenuation limit in dB=43+10 log(power out in Watts)

11.4 Deviation From Test Standard

No deviation

11.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.

11.6 Test Data

Please refer to the Attachment B.



Measurement Data (worst case)



12. Frequency Stability

12.1 Test Standard and Limit

12.1.1 Test Standard

FCC Part 2.1055(a)(1)(b)

FCC Part 27.54

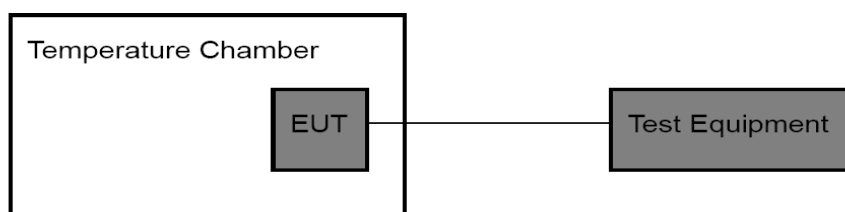
FCC Part 24.235

12.1.2 Test Limit

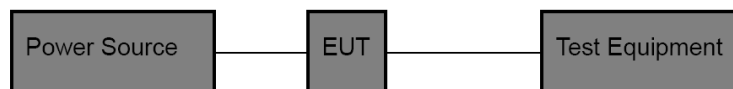
$\pm 2.5\text{ppm}$

12.2 Test Setup

For Temperature Test:



For Voltage Test:



12.3 Test Procedure

Test Procedures for Temperature Variation:

- (1) The EUT was set up in the thermal chamber and connected with the base station.
- (2) With power off, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
- (3) With power off, the temperature was raised in 10°C set up to 50°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
- (4) If the EUT cannot be turned on at -30°C , the testing lowest temperature will be raised in 10°C step until the EUT can be turned on.

Test Procedures for Voltage Variation:

- (1) The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected with the base station.
- (2) Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.
- (3) The variation in frequency was measured for the worst case.

12.4 Deviation From Test Standard

No deviation

12.5 EUT Operating Mode

The EUT was continuously connected with the Base station and transmitting in the max power during the test.



12.6 Test Data

Please refer to the Appendix C LTE Test Data.

ATTACHMENT A--RADIATED OUTPUT POWER

Radiated Power (EIRP) for LTE Band 2										
Bandwidth (MHz)	RB		Test Channel	Antenna (H&V)	Test Result EIRP (dBm)		EIRP (W)		FCC Limit (W)	Result
	Size	offset			QPSK	16QAM	QPSK	16QAM		
1.4	1	0	Low	H	22.91	22.64	0.195	0.184	2	PASS
				V	20.07	20.59	0.102	0.114	2	PASS
	1	0	Mid	H	22.42	22.28	0.174	0.169	2	PASS
				V	19.85	21.30	0.097	0.135	2	PASS
	1	0	High	H	22.32	22.81	0.170	0.191	2	PASS
				V	20.69	21.02	0.117	0.127	2	PASS
3	1	0	Low	H	22.03	22.31	0.159	0.170	2	PASS
				V	20.04	21.26	0.101	0.134	2	PASS
	1	0	Mid	H	22.70	22.17	0.186	0.165	2	PASS
				V	20.57	21.00	0.114	0.126	2	PASS
	1	0	High	H	21.52	22.41	0.142	0.174	2	PASS
				V	20.34	20.51	0.108	0.112	2	PASS
5	1	0	Low	H	21.51	21.77	0.142	0.150	2	PASS
				V	21.02	21.66	0.126	0.146	2	PASS
	1	0	Mid	H	22.68	22.93	0.185	0.196	2	PASS
				V	20.51	20.79	0.112	0.120	2	PASS
	1	0	High	H	22.96	22.27	0.198	0.168	2	PASS
				V	19.96	21.96	0.099	0.157	2	PASS
10	1	0	Low	H	21.48	21.84	0.141	0.153	2	PASS
				V	21.15	20.38	0.130	0.109	2	PASS
	1	0	Mid	H	21.84	21.88	0.153	0.154	2	PASS
				V	21.06	20.70	0.128	0.117	2	PASS
	1	0	High	H	22.84	23.26	0.192	0.212	2	PASS
				V	21.28	20.74	0.134	0.119	2	PASS



15	1	0	Low	H	21.50	23.13	0.141	0.206	2	PASS
				V	21.35	21.86	0.136	0.153	2	PASS
	1	0	Mid	H	22.48	22.67	0.177	0.185	2	PASS
				V	20.65	20.59	0.116	0.114	2	PASS
	1	0	High	H	22.34	22.54	0.171	0.179	2	PASS
				V	19.81	21.71	0.096	0.148	2	PASS
20	1	0	Low	H	22.79	22.80	0.190	0.191	2	PASS
				V	20.29	20.73	0.107	0.118	2	PASS
	1	0	Mid	H	21.59	22.98	0.144	0.198	2	PASS
				V	19.78	20.62	0.095	0.115	2	PASS
	1	0	High	H	22.43	22.51	0.175	0.178	2	PASS
				V	20.36	21.52	0.109	0.142	2	PASS

Note: The factor is compensated in the test result.



Radiated Power (EIRP) for LTE Band 7

Bandwidth (MHz)	RB		Test Channel	Antenna (H&V)	Test Result EIRP (dBm)		EIRP (W)		FCC Limit (W)	Result
	Size	offset			QPSK	16QAM	QPSK	16QAM		
5	1	0	Low	H	22.45	22.02	0.176	0.159	2	PASS
				V	20.97	21.95	0.125	0.157	2	PASS
	1	0	Mid	H	22.77	21.87	0.189	0.154	2	PASS
				V	20.95	21.87	0.124	0.154	2	PASS
	1	0	High	H	21.75	22.57	0.149	0.181	2	PASS
				V	20.54	21.78	0.113	0.151	2	PASS
10	1	0	Low	H	21.50	22.65	0.141	0.184	2	PASS
				V	20.39	21.88	0.109	0.154	2	PASS
	1	0	Mid	H	22.73	22.15	0.188	0.164	2	PASS
				V	20.26	21.39	0.106	0.138	2	PASS
	1	0	High	H	21.70	22.87	0.148	0.194	2	PASS
				V	20.40	21.14	0.110	0.130	2	PASS
15	1	0	Low	H	22.29	22.80	0.169	0.191	2	PASS
				V	20.60	21.76	0.115	0.150	2	PASS
	1	0	Mid	H	22.29	22.31	0.170	0.170	2	PASS
				V	20.39	21.18	0.109	0.131	2	PASS
	1	0	High	H	22.10	23.14	0.162	0.206	2	PASS
				V	19.89	21.86	0.097	0.153	2	PASS
20	1	0	Low	H	22.05	22.81	0.160	0.191	2	PASS
				V	19.92	21.38	0.098	0.137	2	PASS
	1	0	Mid	H	22.74	22.17	0.188	0.165	2	PASS
				V	20.07	21.26	0.102	0.134	2	PASS
	1	0	High	H	22.86	22.24	0.193	0.167	2	PASS
				V	21.01	21.72	0.126	0.149	2	PASS

Note: The factor is compensated in the test result.



Radiated Power (ERP) for LTE Band 12

Bandwidth (MHz)	RB		Test Channel	Antenna (H&V)	Test Result EIRP (dBm)		ERP (W)		FCC Limit (W)	Result
	Size	offset			QPSK	16QAM	QPSK	16QAM		
1.4	1	0	Low	H	22.74	22.02	0.188	0.159	3	PASS
				V	21.04	21.26	0.127	0.134	3	PASS
	1	0	Mid	H	22.72	23.16	0.187	0.207	3	PASS
				V	19.98	21.88	0.100	0.154	3	PASS
	1	0	High	H	22.56	22.55	0.180	0.180	3	PASS
				V	19.91	21.51	0.098	0.142	3	PASS
3	1	0	Low	H	22.06	22.81	0.161	0.191	3	PASS
				V	20.50	21.03	0.112	0.127	3	PASS
	1	0	Mid	H	21.84	23.02	0.153	0.201	3	PASS
				V	21.07	21.37	0.128	0.137	3	PASS
	1	0	High	H	22.92	22.26	0.196	0.168	3	PASS
				V	20.08	20.59	0.102	0.114	3	PASS
5	1	0	Low	H	22.41	23.04	0.174	0.201	3	PASS
				V	20.00	21.48	0.100	0.141	3	PASS
	1	0	Mid	H	22.40	22.84	0.174	0.193	3	PASS
				V	20.55	20.50	0.113	0.112	3	PASS
	1	0	High	H	22.09	22.30	0.162	0.170	3	PASS
				V	21.30	21.47	0.135	0.140	3	PASS
10	1	0	Low	H	21.53	22.00	0.142	0.159	3	PASS
				V	21.15	20.50	0.130	0.112	3	PASS
	1	0	Mid	H	22.38	22.02	0.173	0.159	3	PASS
				V	21.18	21.00	0.131	0.126	3	PASS
	1	0	High	H	23.01	21.86	0.200	0.153	3	PASS
				V	21.36	20.55	0.137	0.113	3	PASS

Note: The factor is compensated in the test result.



Radiated Power (ERP) for LTE Band 17

Bandwidth (MHz)	RB		Test Channel	Antenna (H&V)	Test Result EIRP (dBm)		ERP (W)		FCC Limit (W)	Result
	Size	offset			QPSK	16QAM	QPSK	16QAM		
5	1	0	Low	H	22.91	22.62	0.195	0.183	3	PASS
				V	20.41	21.84	0.110	0.153	3	PASS
	1	0	Mid	H	23.00	21.92	0.199	0.156	3	PASS
				V	20.66	21.04	0.116	0.127	3	PASS
	1	0	High	H	22.43	23.18	0.175	0.208	3	PASS
				V	19.87	20.48	0.097	0.112	3	PASS
10	1	0	Low	H	21.84	23.29	0.153	0.213	3	PASS
				V	21.06	20.41	0.128	0.110	3	PASS
	1	0	Mid	H	22.94	22.69	0.197	0.186	3	PASS
				V	20.09	21.68	0.102	0.147	3	PASS
	1	0	High	H	21.75	21.83	0.150	0.152	3	PASS
				V	20.55	20.49	0.114	0.112	3	PASS

Note: The factor is compensated in the test result.



ATTACHMENT B--RADIATED OUT BAND OF EMISSIONS

Measurement Data (worst case)

Temperature:		24.5°C		Relative Humidity:		49%	
Test Voltage:		DC 3.7V					
Ant. Pol.		Horizontal					
Test Mode:		LTE BAND 2 20MHz (RB size 1 & RB offset 0) for QPSK					
Channel:		Middle					

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	32.6340	-66.53	-9.78	-76.31	-13.00	-63.31	peak
2	65.1144	-66.99	-10.94	-77.93	-13.00	-64.93	peak
3	122.8340	-66.24	-9.44	-75.68	-13.00	-62.68	peak
4	153.7384	-67.71	-7.33	-75.04	-13.00	-62.04	peak
5	302.4811	-67.43	-6.96	-74.39	-13.00	-61.39	peak
6 *	752.7431	-68.13	2.06	-66.07	-13.00	-53.07	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	9440.500	-60.09	20.16	-39.93	-13.00	-26.93	peak
2 *	18110.500	-34.97	0.00	-34.97	-13.00	-21.97	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.



Temperature:	24.5°C	Relative Humidity:	49%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	LTE BAND 2 20MHz (RB size 1 & RB offset 0) for QPSK		
Channel:	Middle		

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	44.9004	-67.94	-9.75	-77.69	-13.00	-64.69	peak
2	94.0978	-66.19	-12.21	-78.40	-13.00	-65.40	peak
3	156.4576	-67.41	-7.91	-75.32	-13.00	-62.32	peak
4	321.0605	-67.17	-6.30	-73.47	-13.00	-60.47	peak
5	636.1340	-68.96	0.69	-68.27	-13.00	-55.27	peak
6 *	906.4823	-69.61	6.05	-63.56	-13.00	-50.56	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1 *	9466.000	-60.52	20.35	-40.17	-13.00	-27.17	peak
2	15050.500	-64.20	23.65	-40.55	-13.00	-27.55	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.



Temperature:		24.5°C		Relative Humidity:		49%	
Test Voltage:		DC 3.7V					
Ant. Pol.		Horizontal					
Test Mode:		LTE BAND 7 20MHz (RB size 1 & RB offset 0) for QPSK					
Channel:		Middle					
No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	65.1144	-66.99	-10.94	-77.93	-13.00	-64.93	peak
2	122.8340	-66.24	-9.44	-75.68	-13.00	-62.68	peak
3	153.7384	-67.71	-7.33	-75.04	-13.00	-62.04	peak
4	302.4811	-66.43	-6.96	-73.39	-13.00	-60.39	peak
5	633.9071	-67.85	0.92	-66.93	-13.00	-53.93	peak
6 *	779.6067	-64.60	2.39	-62.21	-13.00	-49.21	peak
No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1 *	9440.500	-59.59	20.16	-39.43	-13.00	-26.43	peak
2	17141.500	-65.53	26.01	-39.52	-13.00	-26.52	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency
5. No report for the emission which below the prescribed limit.
6. The peak value<average limit, So only show the peak value.



Temperature:	24.5°C	Relative Humidity:	49%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	LTE BAND 7 20MHz (RB size 1 & RB offset 0) for QPSK		
Channel:	Middle		

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	44.9004	-67.94	-9.75	-77.69	-13.00	-64.69	peak
2	58.8185	-67.56	-10.01	-77.57	-13.00	-64.57	peak
3	94.0978	-65.19	-12.21	-77.40	-13.00	-64.40	peak
4	156.4576	-66.91	-7.91	-74.82	-13.00	-61.82	peak
5	622.8900	-68.74	0.46	-68.28	-13.00	-55.28	peak
6 *	906.4823	-69.11	6.05	-63.06	-13.00	-50.06	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1 *	9466.000	-60.52	20.35	-40.17	-13.00	-27.17	peak
2	14897.500	-64.91	24.16	-40.75	-13.00	-27.75	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency
5. No report for the emission which below the prescribed limit.
6. The peak value<average limit, So only show the peak value.



Temperature:		24.5°C		Relative Humidity:		49%	
Test Voltage:		DC 3.7V					
Ant. Pol.		Horizontal					
Test Mode:		LTE BAND 12 10MHz (RB size 1 & RB offset 0) for QPSK					
Channel:		Middle					
No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	51.3004	-66.76	-10.40	-77.16	-13.00	-64.16	peak
2	123.2651	-64.65	-9.52	-74.17	-13.00	-61.17	peak
3	163.1817	-66.57	-7.97	-74.54	-13.00	-61.54	peak
4	311.0865	-66.89	-6.82	-73.71	-13.00	-60.71	peak
5	576.6443	-66.53	-0.24	-66.77	-13.00	-53.77	peak
6 *	955.4380	-67.90	6.53	-61.37	-13.00	-48.37	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1 *	9593.500	-61.32	20.29	-41.03	-13.00	-28.03	peak
2	14387.500	-63.55	22.24	-41.31	-13.00	-28.31	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency
5. No report for the emission which below the prescribed limit.
6. The peak value<average limit, So only show the peak value.



Temperature:	24.5°C	Relative Humidity:	49%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	LTE BAND 12 10MHz (RB size 1 & RB offset 0) for QPSK		
Channel:	Middle		

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	41.5670	-66.75	-9.85	-76.60	-13.00	-63.60	peak
2	59.0251	-66.45	-9.97	-76.42	-13.00	-63.42	peak
3	160.3454	-66.66	-7.43	-74.09	-13.00	-61.09	peak
4	314.3763	-66.04	-6.62	-72.66	-13.00	-59.66	peak
5	455.9057	-66.33	-3.26	-69.59	-13.00	-56.59	peak
6 *	739.6603	-59.93	1.40	-58.53	-13.00	-45.53	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	9593.500	-62.15	20.29	-41.86	-13.00	-28.86	peak
2 *	14795.500	-64.61	23.94	-40.67	-13.00	-27.67	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.



Temperature:		24.5°C		Relative Humidity:		49%	
Test Voltage:		DC 3.7V					
Ant. Pol.		Horizontal					
Test Mode:		LTE BAND 17 10MHz (RB size 1 & RB offset 0) for QPSK					
Channel:		Middle					
No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	41.7129	-66.70	-9.82	-76.52	-13.00	-63.52	peak
2	59.0251	-67.78	-9.97	-77.75	-13.00	-64.75	peak
3	121.5485	-64.81	-9.58	-74.39	-13.00	-61.39	peak
4	308.9125	-66.09	-6.86	-72.95	-13.00	-59.95	peak
5	530.1013	-65.65	-2.19	-67.84	-13.00	-54.84	peak
6 *	929.0081	-67.79	6.52	-61.27	-13.00	-48.27	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1 *	9517.000	-59.79	20.35	-39.44	-13.00	-26.44	peak
2	14872.000	-64.15	24.10	-40.05	-13.00	-27.05	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.



Temperature:	24.5°C	Relative Humidity:	49%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	LTE BAND 17 10MHz (RB size 1 & RB offset 0) for QPSK		
Channel:	Middle		

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	41.5670	-67.06	-9.85	-76.91	-13.00	-63.91	peak
2	59.6492	-66.84	-10.25	-77.09	-13.00	-64.09	peak
3	148.4410	-67.48	-7.07	-74.55	-13.00	-61.55	peak
4	364.2595	-67.03	-5.46	-72.49	-13.00	-59.49	peak
5	570.6100	-67.39	-0.28	-67.67	-13.00	-54.67	peak
6 *	942.1304	-68.10	6.72	-61.38	-13.00	-48.38	peak

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	9440.500	-61.77	20.16	-41.61	-13.00	-28.61	peak
2 *	15688.000	-65.29	24.64	-40.65	-13.00	-27.65	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency

5. No report for the emission which below the prescribed limit.

6. The peak value<average limit, So only show the peak value.

-----End of Report-----

