RF TEST REPORT



Report No.: 16070815-FCC-R5 Supersede Report No.: N/A

Applicant	MOBIWIRE MOBILES (NINGBO) CO.,LTD			
Product Name	4G LTE SM	4G LTE SMARTPHONE		
Model No.	N503			
Serial No.	N/A			
Test Standard	FCC Part 22(H):2015, FCC Part 24(E):2015, FCC Part 27: 2015; ANSI/TIA-603-D: 2010			
Test Date	August 09 to September 05, 2016			
Issue Date	September 07, 2016			
Test Result	Pass Fail			
Equipment complied with the specification				
Equipment did not comply with the specification				
LOVEN LUO David Huang				
Loren Luo Test Engineer			I Huang cked By	

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park
South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108



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Laboratories Introduction

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Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety



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1. Report Revision History

Report No.	Report Version	Description	Issue Date
16070815-FCC-R5	NONE	Original	September 07, 2016

2. Customer information

Applicant Name	MOBIWIRE MOBILES (NINGBO) CO.,LTD
Applicant Add	No.999,Dacheng East Road,Fenghua City,Zhejiang
Manufacturer	MOBIWIRE MOBILES (NINGBO) CO.,LTD
Manufacturer Add	No.999,Dacheng East Road,Fenghua City,Zhejiang

3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES		
	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park		
Lab Address	South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China		
	518108		
FCC Test Site No.	718246		
IC Test Site No.	4842E-1		
Test Software	Radiated Emission Program-To Shenzhen v2.0		



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4. Equipment under Test (EUT) Information

Description of EUT: 4G LTE SMARTPHONE

Main Model: N503

Serial Model: N/A

Date EUT received: August 08, 2016

Test Date(s): August 09 to September 05, 2016

Equipment Category : PCE

GSM850: 0dBi

PCS1900: 1dBi

UMTS-FDD Band V: 0dBi

Antenna Gain: UMTS-FDD Band II: 1dBi

LTE Band IV: 0.5dBi

Bluetooth/BLE/WIFI: -3dBi

GPS: -3dBi

Antenna Type: PIFA antenna

Type of Modulation:

GSM / GPRS: GMSK

EGPRS: GMSK,8PSK

UMTS-FDD: QPSK

LTE Band: QPSK, 16QAM

802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK

Adapter:

Model: S005UA0500100

Input: AC100-240V~50/60Hz,150mA

Input Power:

Output: DC 5.0V,1000mA

Battery:

Spec: 3.8V,2270mAh(8.63Wh)



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GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz

PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz

RF Operating Frequency (ies):

LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX: 2110.7 ~ 2154.3 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH UMTS-FDD Band II: 277CH

Number of Channels:

WIFI:802.11b/g/n(20M): 11CH

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH GPS:1CH

Maximum Conducted

AV Power to Antenna:

LTE Band 4: 23.75 dBm

ERP/EIRP: LTE Band 4: 20.74 dBm / EIRP

Port: Power Port, Earphone Port, USB Port

Trade Name: Noblex

GPRS/EGPRS Multi-slot class 8/10/12

FCC ID: 2ADA4N503



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result
§ 1.1307; § 2.1093	RF Exposure (SAR)	Compliance
§2.1046;§ 27.50(c.10); § 27.50(d.4)	RF Output Power	Compliance
§ 27.50(d)	Peak-Average Ratio	Compliance
§ 2.1047	Modulation Characteristics	N/A
§ 2.1049; § 27.53(a.5)	99% & -26 dB Occupied Bandwidth	Compliance
§ 2.1051; § 27.53(h)	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053;§ 27.53(h)	Field Strength of Spurious Radiation	Compliance
§ 27.53(h)	Out of band emission, Band Edge	Compliance
§ 27.53(m)	Band Edge 27.53(m)	N/A
§ 2.1055; § 27.5(h); § 27.54	Frequency stability vs. temperature Frequency stability vs. voltage	Compliance

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different

Measurement Uncertainty

Emissions				
Test Item	Description	Uncertainty		
Band Edge and Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB		
-	-	-		



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6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

6.1 RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation;

Please refer to RF Exposure Evaluation Report: 16070815-FCC-H.



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6.2 RF Output Power

Temperature	24°C		
Relative Humidity	53%		
Atmospheric Pressure	1001mbar		
Test date :	September 01, 2016		
Tested By :	Loren Luo		

Requirement(s):

Spec	Item Requirement Applicab						
§27.50 (c)	c) EIRP: 30dBm						
Test Setup							
	Fo	or Conducted Power:					
	-	The transmitter output port was connected to base stat	ion.				
	-	Set EUT at maximum power through base station.					
	- Select lowest, middle, and highest channels for each band and						
	different test mode.						
	For ERP/EIRP:						
	- The transmitter was placed on a wooden turntable, and it was						
	transmitting into a non-radiating load which was also placed on the turntable.						
Test Procedure	- The measurement antenna was placed at a distance of 3 meters						
	from the EUT. During the tests, the antenna height and						
	polarization as well as EUT azimuth were varied in order to identify						
		the maximum level of emissions from the EUT. The tes	st was				
		performed by placing the EUT on 3-orthogonal axis.					
	-	The frequency range up to tenth harmonic of the funda	mental				
		frequency was investigated.					
	-	Remove the EUT and replace it with substitution anten	na. A signal				
		generator was connected to the substitution antenna b	y a non-				



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	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 Log10 (power out in
	Watts.
Remark	
Result	Pass
Test Data Yes	□ _{N/A}
Test Plot Yes	(See below) N/A



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Conducted Power

LTE Band 4:

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	22.74	22±1
			1	49	0	22.75	22±1	
				1	99	0	22.79	22±1
			QPSK	50	0	1	22.06	22±1
				50	24	1	22.03	22±1
				50	49	1	22.10	22±1
	20050	4720.0		100	0	1	22.23	22±1
	20050	1720.0		1	0	1	22.23	22±1
				1	49	1	22.26	22±1
				1	99	1	22.24	22±1
			16QAM	50	0	2	21.63	22±1
				50	24	2	21.53	22±1
				50	49	2	21.51	22±1
				100	0	2	21.40	22±1
				1	0	0	23.29	23±1
				1	49	0	23.25	23±1
				1	99	0	23.27	23±1
			QPSK	50	0	1	22.32	23±1
				50	24	1	22.31	23±1
				50	49	1	22.39	23±1
				100	0	1	22.29	23±1
20MHz	20175	1732.5		1	0	1	22.33	22±1
				1	49	1	22.37	22±1
				1	99	1	22.30	22±1
			16QAM	50	0	2	21.85	22±1
				50	24	2	21.89	22±1
				50	49	2	21.83	22±1
				100	0	2	21.49	22±1
				1	0	0	23.11	22.5±1
				1	49	0	23.16	22.5±1
				1	99	0	22.18	22.5±1
			QPSK	50	0	1	22.02	22.5±1
				50	24	1	22.01	22.5±1
				50	49	1	22.03	22.5±1
	20222			100	0	1	21.81	22.5±1
	20300	1745.0		1	0	1	22.63	22±1
			16QAM	1	49	1	22.55	22±1
				1	99	1	22.59	22±1
				50	0	2	21.98	22±1
				50	24	2	21.93	22±1
				50	49	2	21.94	22±1
				100	0	2	21.05	22±1



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	22.59	22±1
				1	37	0	22.56	22±1
				1	74	0	22.51	22±1
			QPSK	36	0	1	22.03	22±1
				36	16	1	22.08	22±1
				36	35	1	22.06	22±1
	20025	4747 5		75	0	1	22.18	22±1
	20025	1717.5		1	0	1	22.29	22±1
				1	37	1	22.26	22±1
				1	74	1	22.30	22±1
			16QAM	36	0	2	21.93	22±1
				36	16	2	21.95	22±1
				36	35	2	21.91	22±1
				75	0	2	21.34	22±1
				1	0	0	23.36	23±1
		1722 5		1	37	0	23.35	23±1
				1	74	0	23.33	23±1
			QPSK	36	0	1	22.33	23±1
				36	16	1	22.32	23±1
				36	35	1	22.39	23±1
158411-	20175			75	0	1	22.31	23±1
15MHz	20175	1732.5		1	0	1	22.28	22±1
				1	37	1	22.29	22±1
				1	74	1	22.27	22±1
			16QAM	36	0	2	22.01	22±1
				36	16	2	21.96	22±1
				36	35	2	21.94	22±1
				75	0	2	21.55	22±1
				1	0	0	22.95	22±1
				1	37	0	22.92	22±1
				1	74	0	22.93	22±1
			QPSK	36	0	1	21.88	22±1
				36	16	1	21.86	22±1
				36	35	1	21.87	22±1
	20225	1747 5		75	0	1	21.72	22±1
	20325	1747.5		1	0	1	22.33	21.5±1
				1	37	1	22.35	21.5±1
				1	74	1	22.31	21.5±1
			16QAM	36	0	2	21.95	21.5±1
				36	16	2	21.94	21.5±1
				36	35	2	21.86	21.5±1
				75	0	2	20.91	21.5±1



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	22.70	22 ± 1
				1	24	0	22.76	22±1
				1	49	0	22.79	22±1
			QPSK	25	0	1	22.05	22±1
				25	12	1	22.03	22±1
				25	24	1	22.00	22±1
				50	0	1	22.14	22±1
	20000	1715.0		1	0	1	21.64	21.5±1
				1	24	1	21.68	21.5±1
				1	49	1	21.62	21.5±1
			16QAM	25	0	2	21.03	21.5±1
				25	12	2	21.08	21.5±1
				25	24	2	21.01	21.5±1
				50	0	2	21.36	$\frac{21.5\pm 1}{21.5\pm 1}$
				1	0	0	23.23	$\frac{21.3\pm 1}{23\pm 1}$
				1	24	0	23.29	23±1
				1	49	0	23.20	$\frac{23\pm1}{23\pm1}$
			QPSK	25	0	1	22.53	23±1
				25	12	1	22.52	23±1
				25	24	1	22.50	23±1
10MHz				50	0	1	22.54	23±1
	20175	1732.5		1	0	1	22.91	22±1
				1	24	1	22.90	22±1
				1	49	1	22.83	22±1
			16QAM	25	0	2	22.53	22±1
				25	12	2	22.59	22±1
				25	24	2	22.51	22±1
				50	0	2	21.72	22±1
				1	0	0	22.76	22±1
				1	24	0	22.75	22±1
				1	49	0	22.73	22±1
			QPSK	25	0	1	21.78	22±1
				25	12	1	21.79	22 ± 1
				25	24	1	21.72	22 ± 1
	20350	1750.0		50	0	1	21.74	22 ± 1
	20330	1,30.0		1	0	1	21.79	21.5±1
				1	24	1	21.75	21.5±1
				1	49	1	21.73	21.5±1
			16QAM	25	0	2	21.05	21.5±1
				25	12	2	21.09	21.5±1
				25	24	2	21.02	21.5±1
				50	0	2	20.96	21.5±1



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	23.12	22.5±1
				1	12	0	23.20	22.5±1
				1	24	0	23.15	22.5±1
			QPSK	12	0	1	21.95	22.5±1
				12	6	1	21.92	22.5±1
				12	11	1	21.95	22.5±1
	20000	4745.0		25	0	1	22.00	22.5±1
	20000	1715.0		1	0	1	22.11	22±1
				1	12	1	22.15	22±1
				1	24	1	22.09	22±1
			16QAM	12	0	2	21.87	22±1
				12	6	2	21.84	22±1
				12	11	2	21.82	22±1
				25	0	2	21.18	22±1
				1	0	0	23.65	23±1
				1	12	0	23.63	23±1
				1	24	0	23.64	23±1
			QPSK	12	0	1	22.52	23±1
				12	6	1	22.51	23±1
				12	11	1	22.50	23±1
58411	20475	1722.5		25	0	1	22.45	23±1
5MHz	20175	1732.5		1	0	1	23.09	22.5±1
				1	12	1	23.10	22.5±1
				1	24	1	23.15	22.5±1
			16QAM	12	0	2	22.16	22.5±1
				12	6	2	22.19	22.5±1
				12	11	2	22.14	22.5±1
				25	0	2	22.61	22.5±1
				1	0	0	22.89	22±1
				1	12	0	22.82	22±1
				1	24	0	22.81	22±1
			QPSK	12	0	1	21.67	22±1
				12	6	1	21.62	22±1
				12	11	1	21.61	22±1
	20250	1750.0		25	0	1	21.62	22±1
	20350	1750.0		1	0	1	22.01	21.5±1
				1	12	1	22.00	21.5±1
				1	24	1	22.05	21.5±1
			16QAM	12	0	2	21.68	21.5±1
				12	6	2	21.66	21.5±1
				12	11	2	21.62	21.5±1
				25	0	2	20.79	21.5±1



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	23.00	23±1
				1	7	0	23.01	23±1
				1	14	0	23.05	23±1
			QPSK	8	0	1	22.26	23±1
				8	4	1	22.20	23±1
				8	7	1	22.21	23±1
	10065	4744 5		15	0	1	22.34	23±1
	19965	1711.5		1	0	1	22.66	22.3±1
				1	7	1	22.65	22.3±1
				1	14	1	22.62	22.3±1
			16QAM	8	0	2	21.46	22.3±1
				8	4	2	21.44	22.3±1
				8	7	2	21.43	22.3±1
				15	0	2	21.62	22.3±1
				1	0	0	23.65	23±1
				1	7	0	23.61	23±1
		5 1732.5		1	14	0	23.51	23±1
			QPSK	8	0	1	22.61	23±1
				8	4	1	22.66	23±1
				8	7	1	22.60	23±1
				15	0	1	22.65	23±1
3MHz	20175		16QAM	1	0	1	22.49	22±1
				1	7	1	22.51	22±1
				1	14	1	22.53	22±1
				8	0	2	21.54	22±1
				8	4	2	21.59	22±1
				8	7	2	21.52	22±1
				15	0	2	21.57	22±1
				1	0	0	23.01	23±1
				1	7	0	23.05	23±1
				1	14	0	23.07	23±1
			QPSK	8	0	1	22.04	23±1
				8	4	1	22.03	23±1
				8	7	1	22.05	23±1
				15	0	1	22.05	23±1
	20385	1753.5		1	0	1	22.02	22±1
				1	7	1	22.00	22±1
				1	14	1	22.03	22±1
			16QAM	8	0	2	21.09	22±1
				8	4	2	21.05	22±1
				8	7	2	21.32	22±1
				15	0	2	21.24	22±1



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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)	Tune up Power tolerant
				1	0	0	23.09	23±1
				1	2	0	23.10	23±1
				1	5	0	23.05	23±1
			QPSK	3	0	0	23.20	23±1
				3	1	0	23.25	23±1
				3	2	0	23.23	23±1
	10057	1710.7		6	0	1	22.32	23±1
	19957	1/10./		1	0	1	21.88	21.3 ± 1
				1	2	1	21.86	21.3±1
				1	5	1	21.82	21.3±1
			16QAM	3	0	1	21.36	21.3±1
				3	1	1	21.34	21.3±1
				3	2	1	21.29	21.3±1
				6	0	2	21.39	21.3±1
				1	0	0	23.66	23±1
		75 1732.5		1	2	0	23.61	23±1
			QPSK	1	5	0	23.69	23±1
				3	0	0	23.70	23±1
				3	1	0	23.75	23±1
				3	2	0	23.61	23±1
				6	0	1	22.63	23±1
1.4MHz	20175			1	0	1	22.47	22±1
				1	2	1	22.66	22±1
				1	5	1	22.48	22±1
			16QAM	3	0	1	21.86	22±1
			100, 111	3	1	1	21.85	22±1
				3	2	1	21.82	22±1
				6	0	2	21.56	22±1
				1	0	0	22.98	22±1
				1	2	0	22.96	22±1
				1	5	0	22.85	22±1
			QPSK	3	0	0	22.96	22±1
			4.5	3	1	0	22.92	22±1
				3	2	0	22.97	22±1
				6	0	1	22.02	22±1
	20393	1754.3		1	0	1	22.00	21.5±1
				1	2	1	22.03	21.5±1
				1	5	1	21.86	21.5±1
			16QAM	3	0	1	21.45	21.5±1
			100,000	3	1	1	21.43	21.5 ± 1
				3	2	1	21.49	21.5±1
				6	0	2	21.45	21.5±1 21.5±1



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ERP & EIRP

EIRP for LTE Band 4 (Part 27)

_				Substitut	Antenna	Antenna Gain	Cable	Absolute	
Frequency	BW	Modulation	RB	ed level	Polarizati	correction	Loss	Level	Limit
(MHz)	(MHz)		Size/Offset	(dBm)	on	(dBi)	(dB)	(dBm)	(dBm)
1710.7	1.4	QPSK	1/0	13.02	٧	7.95	0.79	20.18	30
1732.5	1.4	QPSK	1/0	13.58	٧	7.95	0.79	20.74	30
1754.3	1.4	QPSK	1/0	12.79	V	7.95	0.79	19.95	30
1710.7	1.4	QPSK	1/0	11.58	Н	7.95	0.79	18.74	30
1732.5	1.4	QPSK	1/0	11.96	Н	7.95	0.79	19.12	30
1754.3	1.4	QPSK	1/0	11.47	Н	7.95	0.79	18.63	30
1710.7	1.4	16-QAM	1/5	11.89	٧	7.95	0.79	19.05	30
1732.5	1.4	16-QAM	1/0	12.38	٧	7.95	0.79	19.54	30
1754.3	1.4	16-QAM	1/0	11.94	V	7.95	0.79	19.1	30
1710.7	1.4	16-QAM	1/5	10.54	Н	7.95	0.79	17.7	30
1732.5	1.4	16-QAM	1/0	10.81	Н	7.95	0.79	17.97	30
1754.3	1.4	16-QAM	1/0	10.63	Н	7.95	0.79	17.79	30
1711.5	3	QPSK	1/0	12.88	V	7.95	0.79	20.04	30
1732.5	3	QPSK	1/0	13.32	V	7.95	0.79	20.48	30
1753.5	3	QPSK	1/0	12.93	V	7.95	0.79	20.09	30
1711.5	3	QPSK	1/0	11.25	Н	7.95	0.79	18.41	30
1732.5	3	QPSK	1/0	11.56	Н	7.95	0.79	18.72	30
1753.5	3	QPSK	1/0	11.31	Н	7.95	0.79	18.47	30
1711.5	3	16-QAM	1/0	12.45	V	7.95	0.79	19.61	30
1732.5	3	16-QAM	1/0	12.51	٧	7.95	0.79	19.67	30
1753.5	3	16-QAM	1/0	11.86	٧	7.95	0.79	19.02	30
1711.5	3	16-QAM	1/0	10.89	Н	7.95	0.79	18.05	30
1732.5	3	16-QAM	1/0	10.93	Н	7.95	0.79	18.09	30
1753.5	3	16-QAM	1/0	10.67	Н	7.95	0.79	17.83	30
1712.5	5	QPSK	1/0	12.85	V	7.95	0.79	20.01	30
1732.5	5	QPSK	1/0	13.37	V	7.95	0.79	20.53	30
1752.5	5	QPSK	1/24	12.79	V	7.95	0.79	19.95	30
1712.5	5	QPSK	1/0	11.21	Н	7.95	0.79	18.37	30
1732.5	5	QPSK	1/0	11.68	Н	7.95	0.79	18.84	30
1752.5	5	QPSK	1/24	11.18	Н	7.95	0.79	18.34	30
1712.5	5	16-QAM	1/0	11.77	V	7.95	0.79	18.93	30
1732.5	5	16-QAM	1/0	12.85	V	7.95	0.79	20.01	30



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1752.5	5	16-QAM	1/24	11.98	V	7.95	0.79	19.14	30
1712.5	5	16-QAM	1/0	10.23	Н	7.95	0.79	17.39	30
1732.5	5	16-QAM	1/0	11.18	Н	7.95	0.79	18.34	30
1752.5	5	16-QAM	1/24	10.37	Н	7.95	0.79	17.53	30
1715	10	QPSK	1/0	12.58	V	7.95	0.79	19.74	30
1732.5	10	QPSK	1/49	13.01	V	7.95	0.79	20.17	30
1750	10	QPSK	1/0	12.61	V	7.95	0.79	19.77	30
1715	10	QPSK	1/0	11.24	Н	7.95	0.79	18.4	30
1732.5	10	QPSK	1/49	11.75	Н	7.95	0.79	18.91	30
1750	10	QPSK	1/0	11.23	Н	7.95	0.79	18.39	30
1715	10	16-QAM	1/0	11.35	V	7.95	0.79	18.51	30
1732.5	10	16-QAM	1/49	13.02	V	7.95	0.79	20.18	30
1750	10	16-QAM	1/0	11.74	V	7.95	0.79	18.9	30
1715	10	16-QAM	1/0	9.88	Н	7.95	0.79	17.04	30
1732.5	10	16-QAM	1/49	11.37	Н	7.95	0.79	18.53	30
1750	10	16-QAM	1/0	10.36	Н	7.95	0.79	17.52	30
1717.5	15	QPSK	1/0	12.82	V	7.95	0.79	19.98	30
1732.5	15	QPSK	1/74	13.36	V	7.95	0.79	20.52	30
1747.5	15	QPSK	1/0	12.91	V	7.95	0.79	20.07	30
1717.5	15	QPSK	1/0	11.14	Н	7.95	0.79	18.3	30
1732.5	15	QPSK	1/74	11.69	Н	7.95	0.79	18.85	30
1747.5	15	QPSK	1/0	11.26	Н	7.95	0.79	18.42	30
1717.5	15	16-QAM	1/0	12.17	V	7.95	0.79	19.33	30
1732.5	15	16-QAM	1/74	12.15	V	7.95	0.79	19.31	30
1747.5	15	16-QAM	1/0	12.26	V	7.95	0.79	19.42	30
1717.5	15	16-QAM	1/0	10.56	Н	7.95	0.79	17.72	30
1732.5	15	16-QAM	1/74	10.74	Н	7.95	0.79	17.9	30
1747.5	15	16-QAM	1/0	10.63	Н	7.95	0.79	17.79	30
1720	20	QPSK	1/99	12.53	V	7.95	0.79	19.69	30
1732.5	20	QPSK	1/99	13.16	V	7.95	0.79	20.32	30
1745	20	QPSK	1/0	12.48	V	7.95	0.79	19.64	30
1720	20	QPSK	1/99	11.27	Н	7.95	0.79	18.43	30
1732.5	20	QPSK	1/99	11.92	Н	7.95	0.79	19.08	30
1745	20	QPSK	1/0	11.15	Н	7.95	0.79	18.31	30
1720	20	16-QAM	1/99	12.21	V	7.95	0.79	19.37	30
1732.5	20	16-QAM	1/99	12.16	V	7.95	0.79	19.32	30
1745	20	16-QAM	1/0	12.47	V	7.95	0.79	19.63	30
1720	20	16-QAM	1/99	10.86	Н	7.95	0.79	18.02	30



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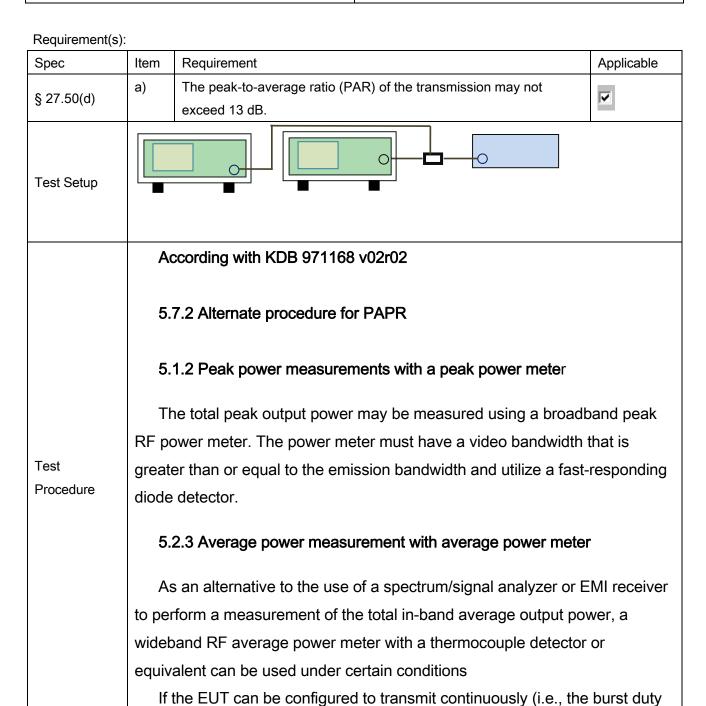
1732.5	20	16-QAM	1/99	10.75	Н	7.95	0.79	17.91	30
1745	20	16-QAM	1/0	10.78	Н	7.95	0.79	17.94	30



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6.3 Peak-Average Ratio

Temperature	24°C
Relative Humidity	53%
Atmospheric Pressure	1001mbar
Test date :	September 01, 2016
Tested By :	Loren Luo





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	cycle ≥ 98%) and at all times the EUT is transmitting at is maximum output
	power level, then a conventional wide-band RF power meter can be used.
	If the EUT cannot be configured to transmit continuously (i.e., the burst duty
	cycle < 98%), then there are two options for the use of an average power
	meter. First, a gated average power meter can be used to perform the
	measurement if the gating parameters can be adjusted such that the power is
	measured only over active transmission bursts at maximum output power
	levels. A conventional average power meter can also be used if the
	measured burst duty cycle is constant (i.e., duty cycle variations are less than
	± 2 percent) by performing the measurement over the on/off burst cycles and
	then correcting (increasing) the measured level by a factor equal to
	10log(1/duty cycle)
Remark	
Result	Pass Fail

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	✓ _{N/A}



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LTE Band 4 (part 27)

D)4//441 (=)	F	Mode	Modulation	Conducted P	Peak-Average			
BW(MHz)	Frequency (MHz)	Mode	Modulation	Peak	Average	Ratio (PAR)		
4.4	4722 F	DD 4/0	QPSK	24.13	23.66	0.47		
1.4	1732.5	RB 1/0	16QAM	23.91	22.47	1.44		
3	4720 5	DD 4/0	QPSK	24.07	23.65	0.42		
3	1732.5	RB 1/0	16QAM	24.14	22.49	1.65		
_		RB 1/0	QPSK	24.26	23.65	0.61		
5	1732.5		16QAM	24.11	23.09	1.02		
40	1732.5	1732.5 RB 1/	1722.5 DR 1	DD 4/0	QPSK	24.53	23.23	1.3
10			RB 1/0	16QAM	24.03	22.91	1.12	
45	4720 5	DD 4/0	QPSK	24.62	23.36	1.26		
15	1732.5	RB 1/0	16QAM	24.29	22.28	2.01		
20	4722 F	DD 4/0	QPSK	24.34	23.29	1.05		
20	1732.5	RB 1/0	16QAM	23.95	22.33	1.62		



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6.4 Occupied Bandwidth

Temperature	23°C
Relative Humidity	55%
Atmospheric Pressure	1031mbar
Test date :	August 31, 2016
Tested By :	Loren Luo

Requirement(s):

	ı		1
Spec	Item	Requirement	Applicable
§2.1049,	a)	99% Occupied Bandwidth(kHz)	V
§27.53(a)	b)	26 dB Bandwidth(kHz)	V
Test Setup			
	-	The EUT was connected to Spectrum Analyzer and Base	Station via
Test		power divider.	
Procedure	-	The 99% and 26 dB occupied bandwidth (BW) of the mide	dle channel
		for the highest RF powers.	
Remark			
Result	Pa	ass Fail	

Test Data

Yes

N/A

Test Plot

Yes (See below)



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LTE Band 4 (Part 27)

	banu 4 (Par	Frequency		99% Occupied	26 dB Bandwidth	
BW(MHz)	Channel	(MHz)	Modulation	Bandwidth (MHz)	(MHz)	
			16QAM	1.1103	1.034	
1.4	19957	1710.7	QPSK	1.0988	1.295	
		.=	16QAM	1.0997	1.267	
1.4	20175	1732.5	QPSK	1.1001	1.256	
	00000	4754.0	16QAM	1.1003	1.265	
1.4	20393	1754.3	QPSK	1.0973	1.278	
2	40005	4744.5	16QAM	2.7547	3.101	
3	19965	1711.5	QPSK	2.7528	3.081	
0	00475	4700 5	16QAM	2.7394	3.075	
3	20175	1732.5	QPSK	2.7493	3.079	
2	00005	4750.5	16QAM	2.7454	3.115	
3	20385	1753.5	QPSK	2.7404	3.089	
<i>E</i>	10075	4740.5	16QAM	4.5198	5.077	
5	19975	1712.5	QPSK	4.5219	5.037	
5	20175	4720 E	16QAM	4.5381	5.088	
5	20175	1732.5	QPSK	4.5371	5.098	
5	20275	20375 1752.5	16QAM	4.5340	5.110	
3	20373		QPSK	4.5550	5.110	
10	20000	20000	1715	16QAM	9.0999	10.439
10		1715	QPSK	9.1028	10.418	
10	20175	20175 1732.5	16QAM	9.0614	10.221	
10	20175		QPSK	9.0624	10.226	
10	20250	350 1750	16QAM	9.0874	10.378	
10	20350		QPSK	9.1197	10.360	
15	20025	1717.5	16QAM	13.5465	15.195	
15	20023		QPSK	13.5632	15.003	
15	20175	5 1732.5	16QAM	13.4525	14.916	
15	20173		QPSK	13.4457	14.885	
15	20325	1747.5	16QAM	13.5556	15.123	
15	15 20325	1141.5	QPSK	13.5135	14.971	



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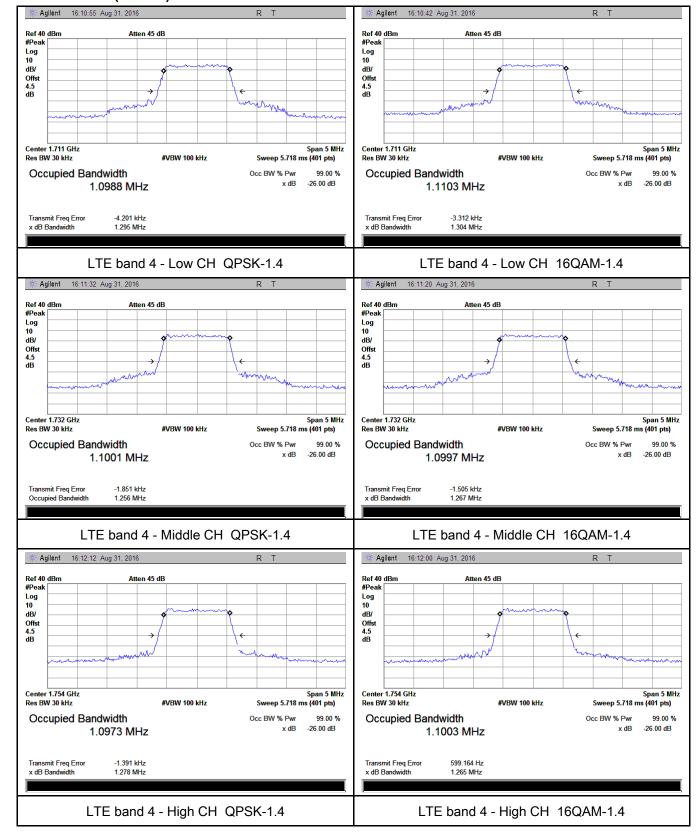
20 20050	1720	16QAM	17.9527	19.550	
		QPSK	17.9000	19.836	
00	00.475	4700 5	16QAM	17.8480	19.586
20 20175	1732.5	QPSK	17.8767	19.439	
20 20300	4745	16QAM	17.9807	19.590	
	20300 1745	QPSK	17.9673	19.562	



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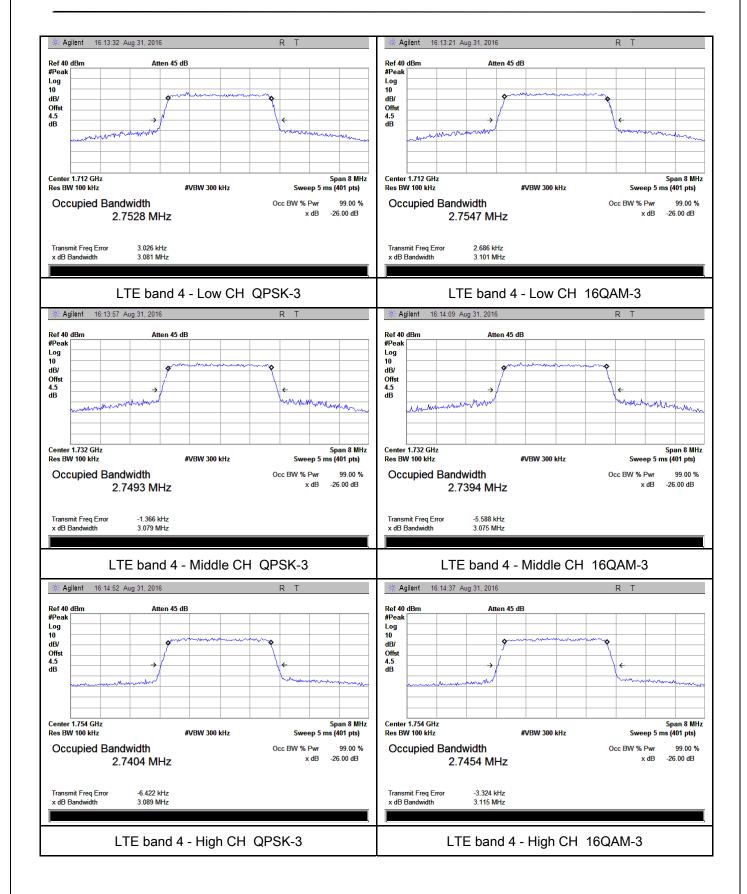
Test Plots

LTE Band 4 (Part 27)



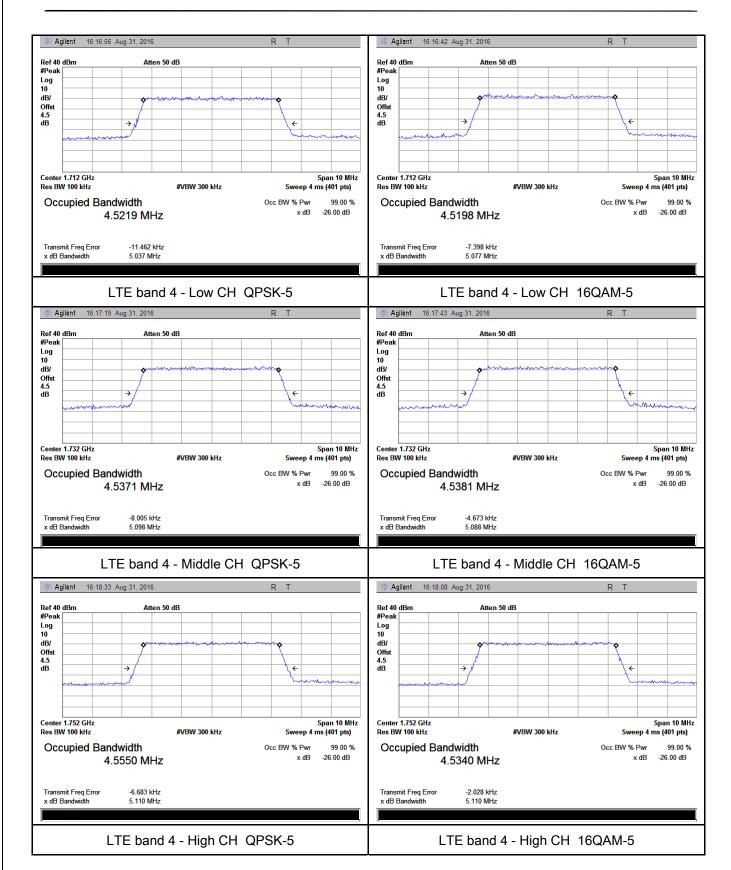


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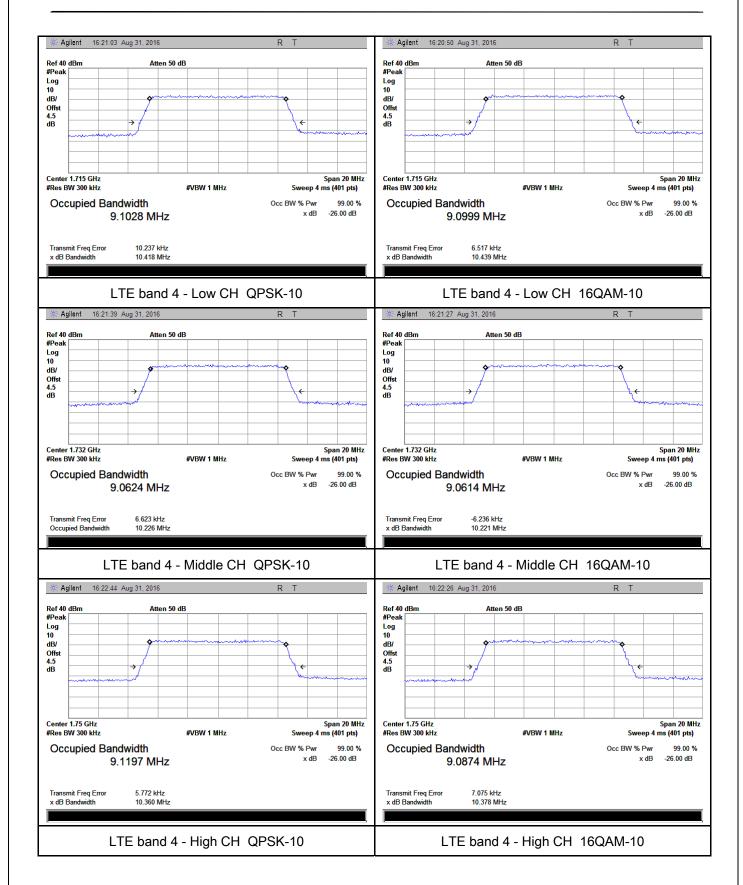


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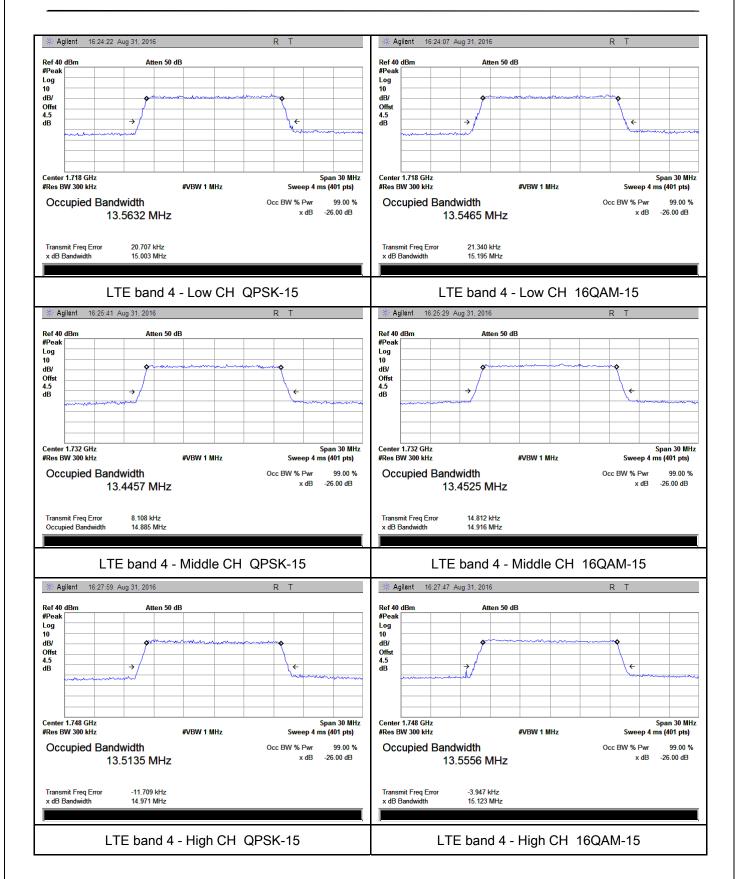


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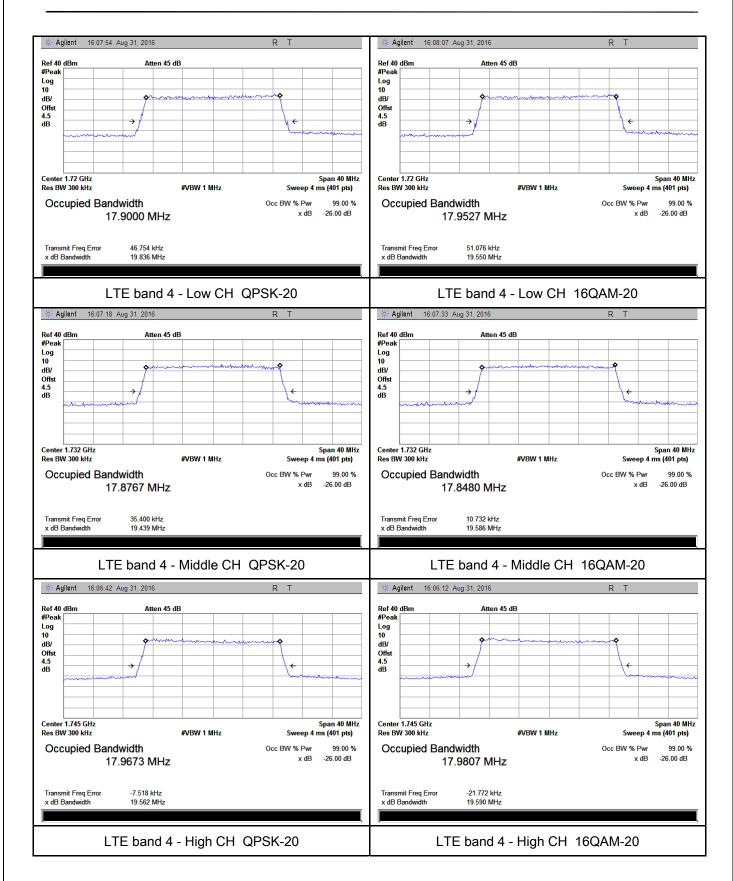


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6.5 Spurious Emissions at Antenna Terminals

Temperature	23°C
Relative Humidity	55%
Atmospheric Pressure	1031mbar
Test date :	August 31, 2016
Tested By :	Loren Luo

Requirement(s):

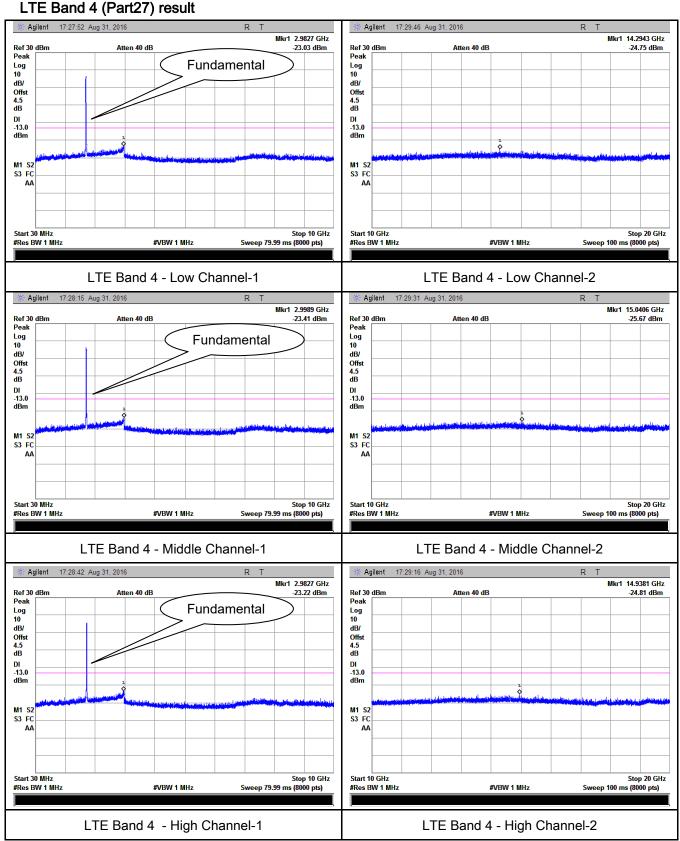
Spec	Item	Requirement	Applicable
§2.1051, § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB	<
Test Setup	•		
Test Procedure	 The EUT was connected to Spectrum Analyzer and Base Station via power divider. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. 		
Remark			
Result	☑ Pa	rss Fail	

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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Test Plots 30MHz-20GHz





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6.6 Spurious Radiated Emissions

Temperature	24°C
Relative Humidity	53%
Atmospheric Pressure	1001mbar
Test date :	September 01, 2016
Tested By :	Loren Luo

Requirement(s):			
Spec	Item	Requirement	Applicable
§2.1053, § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.	V
Test setup	Ant. Tower Support Units Turn Table 1.5m Ground Plane Test Receiver		
Test Procedure	 The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. 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. Sample Calculation: EUT Field Strength = Raw Amplitude (dBµV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used) 		



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Remark				
Result		Pass	☐ Fail	
Test Data Test Plot	V _Y	es (See below)	N/A	



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LTE Band 4(Part27) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3440	-47.02	V	10.06	2.52	-39.48	-13	-26.48
3440	-47.36	Н	10.06	2.52	-39.82	-13	-26.82
574.2	-56.13	V	6.5	0.36	-49.99	-13	-36.99
846.9	-50.25	Н	6.8	0.44	-43.89	-13	-30.89

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3465	-47.25	V	10.09	2.52	-39.68	-13	-26.68
3465	-47.83	Н	10.09	2.52	-40.26	-13	-27.26
573.1	-56.34	V	6.5	0.36	-50.2	-13	-37.2
843.7	-50.45	Н	6.8	0.44	-44.09	-13	-31.09

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3490	-46.78	V	10.09	2.52	-39.21	-13	-26.21
3490	-46.92	Η	10.09	2.52	-39.35	-13	-26.35
573.9	-55.79	٧	6.5	0.36	-49.65	-13	-36.65
845.2	-50.11	Н	6.8	0.44	-43.75	-13	-30.75

Note:

- 1, The testing has been conformed to 10*1752.5MHz=17,525MHz
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.



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6.7 Band Edge

Temperature	23°C
Relative Humidity	55%
Atmospheric Pressure	1031mbar
Test date :	August 31, 2016
Tested By:	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§ 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.	>
Test setup			
Procedure	-	The EUT was connected to Spectrum Analyzer and Base S power divider. The Band Edges of low and high channels for the highest R were measured. Setting RBW as roughly BW/100.	
Remark			
Result	✓ Pa	ss Fail	

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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LTE Band 4 (Part 27) result

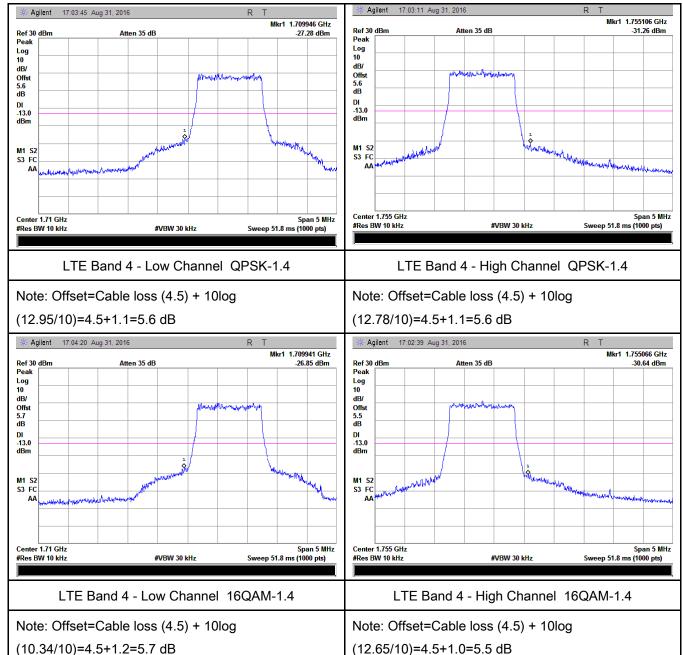
BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	10057	1710	QPSK	-27.28	-13
1.4	19957	1710	16QAM	-26.85	-13
4.4	20202	1755	QPSK	-31.26	-13
1.4	20393		16QAM	-30.64	-13
2	40005	4740	QPSK	-21.38	-13
3	19965	1710	16QAM	-20.33	-13
2	20205	4755	QPSK	-21.48	-13
3	20385	1755	16QAM	-22.96	-13
F	40075	4740	QPSK	-19.71	-13
5	19975	1710	16QAM	-18.63	-13
F	20375	1755	QPSK	-19.96	-13
5			16QAM	-19.74	-13
40	00000	4740	QPSK	-29.04	-13
10	20000	1710	16QAM	-28.85	-13
40	20250	4755	QPSK	-31.56	-13
10	20350	1755	16QAM	-28.95	-13
45	20025	4740	QPSK	-25.46	-13
15		20025	1710	16QAM	-21.92
15	20225		QPSK	-20.92	-13
15	20325	1755	16QAM	-22.17	-13
20	20050	1710	QPSK	-27.29	-13
20	20050	1710	16QAM	-26.77	-13
20	20200	1755	QPSK	-24.03	-13
20	20300	1755	16QAM	-23.82	-13



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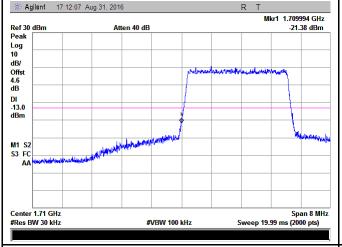
Test Plots

LTE Band 4 (Part 27)





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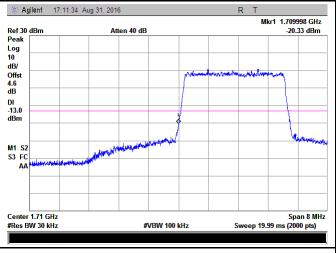


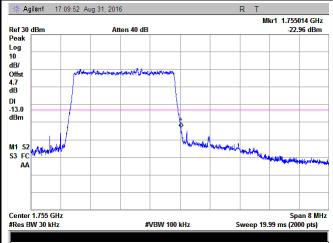
LTE Band 4 - Low Channel QPSK-3

LTE Band 4 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (30.81/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.89/30)=4.5+0.1=4.6 dB



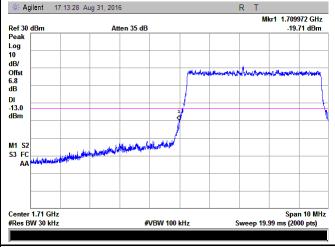


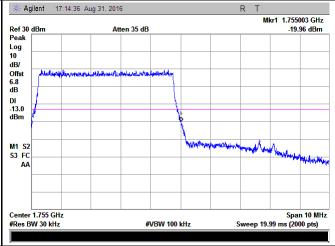
LTE Band 4 - Low Channel 16QAM-3

LTE Band 4 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (31.01/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (31.15/30)=4.5+0.2=4.7 dB





LTE Band 4 - Low Channel QPSK-5

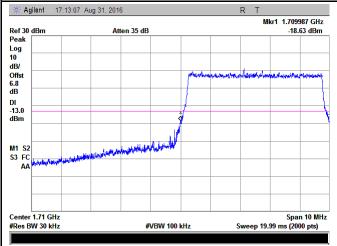
LTE Band 4 - High Channel QPSK-5

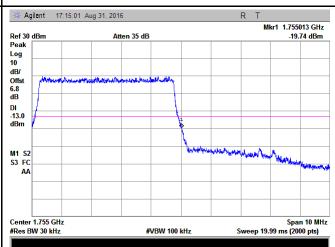


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Note: Offset=Cable loss (4.5) + 10log (50.37/30)=4.5+2.3=6.8 dB

Note: Offset=Cable loss (4.5) + 10log (50.10/30)=4.5+2.3=6.8 dB



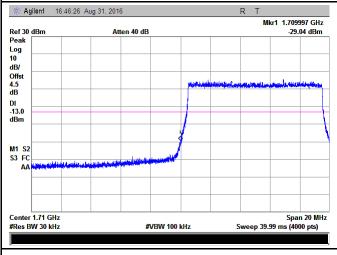


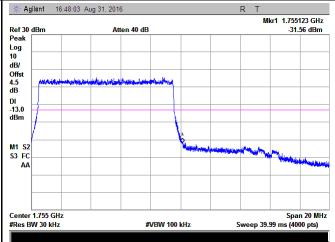
LTE Band 4 - Low Channel 16QAM-5

LTE Band 4 - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log (50.77/30)=4.5+2.3=6.8 dB

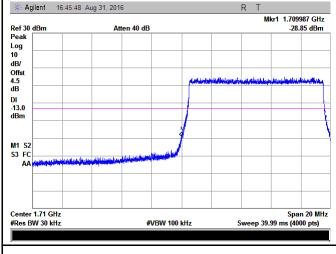
Note: Offset=Cable loss (4.5) + 10log (51.10/30)=4.5+2.3=6.8 dB

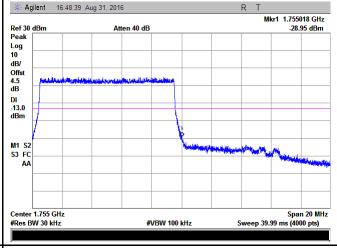




LTE Band 4 - Low Channel QPSK-10

LTE Band 4 - High Channel QPSK-10



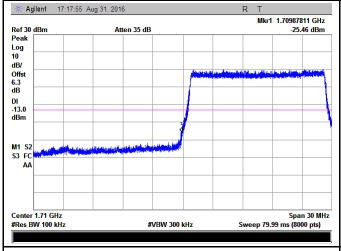


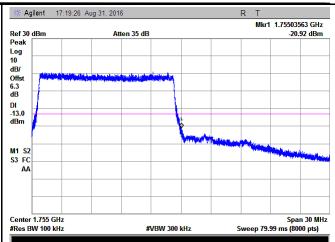
LTE Band 4 - Low Channel 16QAM-10

LTE Band 4 - High Channel 16QAM-10



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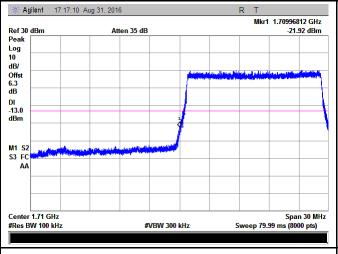


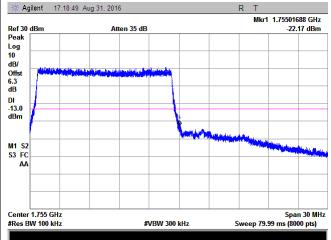
LTE Band 4 - Low Channel QPSK-15

LTE Band 4 - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log (150.0/100)=4.5+1.8=6.3 dB

Note: Offset=Cable loss (4.5) + 10log (149.7/100)=4.5+1.8=6.3 dB



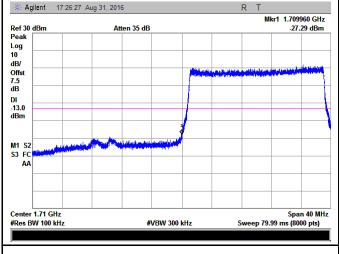


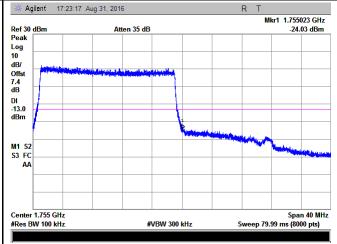
LTE Band 4 - Low Channel 16QAM-15

LTE Band 4 - High Channel 16QAM-15

Note: Offset=Cable loss (4.5) + 10log (152.0/100)=4.5+1.8=6.3 dB

Note: Offset=Cable loss (4.5) + 10log (151.2/100)=4.5+1.8=6.3 dB





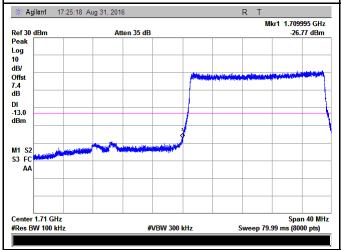
LTE Band 4 - Low Channel QPSK-20

LTE Band 4 - High Channel QPSK-20



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Note: Offset=Cable loss (4.5) + 10log (198.4/100)=4.5+3.0=7.5 dB Note: Offset=Cable loss (4.5) + 10log (195.6/100)=4.5+2.9=7.4 dB



Agilent 17:21:38 Aug 31, 2016 R T

Ref 30 dBm Atten 35 dB 23.82 dBm

Peak
Log
10
dB/
Offst
7.4
dB
DI
-13.0
dBm

MI 52
S3 FC
AA

Center 1.755 GHz
#Res BW 100 kHz

Span 40 MHz

Sweep 79.99 ms (8000 pts)

LTE Band 4 - Low Channel 16QAM-20

LTE Band 4 - High Channel 16QAM-20

Note: Offset=Cable loss (4.5) + 10log (195.5/100)=4.5+2.9=7.4dB

Note: Offset=Cable loss (4.5) + 10log (195.9/100)=4.5+2.9=7.4 dB



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6.8 Band Edge 27.53(m)

Temperature	23°C		
Relative Humidity	58%		
Atmospheric Pressure	1006mbar		
Test date :			
Tested By :	Loren Luo		

Requirement(s):

Spec	Requirement	Applicable
§27.53(m)	According to FCC 27.53(m)(4) specified that power of any emmission ouutside of the channel edge must be attenuated below the transmitting power(P) by a factor shall be not less than 43+10log (P)dB at the channel edge, the limit of emission equal to -13dBm. And 55+10log (P)dB at 5.5MHz from the channel edges, the limit of emission equal to -25dBm. In the 1MHz bands immediately outside and adjacent to the frenqency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.	
Test Setup		
Test Procedure	 The EUT was connected to Spectrum Analyzer and Base Station divider. The 99% and 26 dB occupied bandwidth (BW) of the middle change of the highest RF powers. 	·
Remark		
Result	Pass Fail N/A	

Test Data	Yes	✓ _{N/A}
Test Plot	Yes (See below)	V _{N/A}



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6.9 Frequency Stability

Temperature	24°C		
Relative Humidity	53%		
Atmospheric Pressure	1001mbar		
Test date :	September 01, 2016		
Tested By :	Loren Luo		

Requirement(s):

Spec	Item	Requirement				Applicable
		According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below: Frequency Tolerance for Transmitters in the Public Mobile Services				
		Frequency Range	Base, fixed	Mobile ≤ 3 watts	Mobile ≤ 3 watts	\\
		(MHz)	(ppm)	(ppm)	(ppm)	
		25 to 50	20.0	20.0	50.0	
§2.1055,		to 450	5.0	5.0	50.0	
§ 27.5(h);	(a)	450 to 512	2.5	5.0	5 0	
§ 27.54		821 to 896	1.5	2.5	2.5	
		928 to 929.	5.0	N/A	N/A	
		929 to 960.	1.5	N/A	N/A	
		2110 to 2220	10.0	N/A	N/A	
		According to §24.235, the frequency stability shall be sufficient to				
		ensure that the fundamental emissions stay within the authorized				
		frequency block.				
		According to §27.54, The frequency stability shall be sufficient to				
		ensure that the fundamental emissions stay within the authorized				
		bands of operation				



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Test setup	
Procedure	A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage. Limit: The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.
Remark	Frequency Stability versus Temperature: The Frequency tolerance of the carrier signal shall be maintained within 2.5ppm of the operating frequency over a temperature variation of -10°C to +55°C at normal supply voltage.
Result	Pass Fail

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	✓ _{N/A}



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LTE Band 4 (Part 27) result

Middle Channel, f _o = 1732.5 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10		-11	0.0063	2.5
0		-17	0.0098	2.5
10	3.7	-16	0.0092	2.5
20		-10	0.0058	2.5
30		-9	0.0052	2.5
40		-11	0.0063	2.5
50		-11	0.0063	2.5
55		-13	0.0075	2.5
25	4.2 3.5	-12	0.0069	2.5
25		-18	0.0104	2.5



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Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
RF Conducted Test					
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	09/16/2015	09/15/2016	<u><</u>
Power Splitter	1#	1#	08/31/2016	08/30/2017	~
Universal Radio Communication Tester	CMU200	121393	09/25/2015	09/24/2016	>
Wideband Radio Communication Tester	CMW500	120906	03/27/2016	03/26/2017	V
Temperature/Humidity Chamber	UHL-270	001	10/09/2015	10/08/2016	V
DC Power Supply	E3640A	MY40004013	09/17/2015	09/16/2016	~
RF Power Sensor	Dare RPR3006C/P/W	AY554013	09/17/2015	09/16/2016	V
Radiated Emissions					
EMI test receiver	ESL6	100262	09/17/2015	09/16/2016	•
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	V
Microwave Preamplifier (0.5 ~ 18GHz)	PAM-118	443008	08/31/2016	08/30/2017	V
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	<u>\</u>
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/21/2015	09/20/2016	>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71259	09/24/2015	09/23/2016	Y
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	V
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/17/2015	09/16/2016	V
Tunable Notch Filter	3NF-800/1000- S	AA4	08/31/2016	08/30/2017	V



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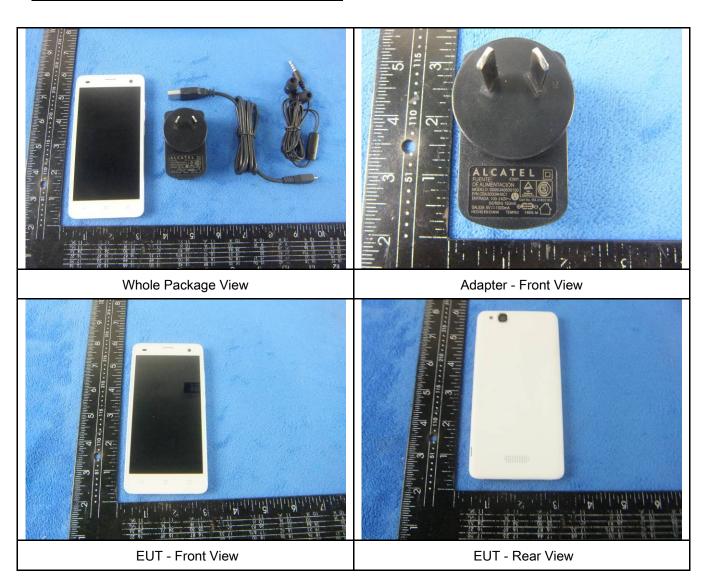
Tunable Notch Filter	3NF-	AM 4	08/31/2016	08/30/2017	V
	1000/2000-S				



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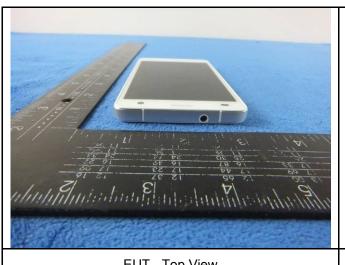
Annex B. EUT And Test Setup Photographs

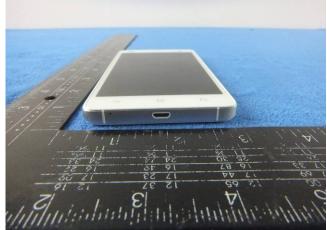
Annex B.i. Photograph: EUT External Photo





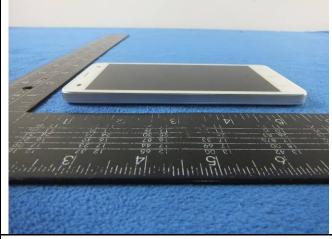
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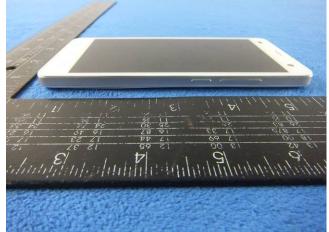
EUT - Top View

EUT - Bottom View



EUT - Left View





EUT - Right View



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Annex B.ii. Photograph: EUT Internal Photo



Section 1 and 1 an

Cover Off - Top View 1

Cover Off - Top View 2







Battery - Rear View



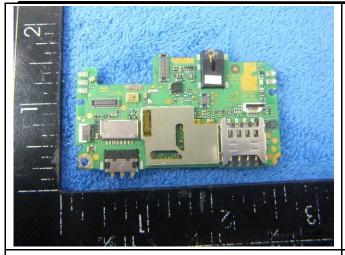
Mainboard with Shielding - Front View



Mainboard without Shielding - Front View

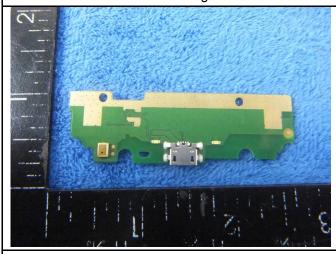


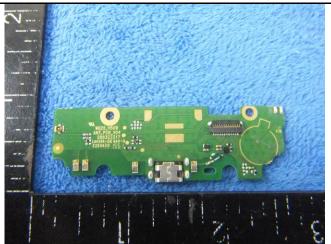
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Mainboard with Shielding - Rear View

Mainboard without Shielding - Rear View





Small Board - Front View

Small Board - Rear View



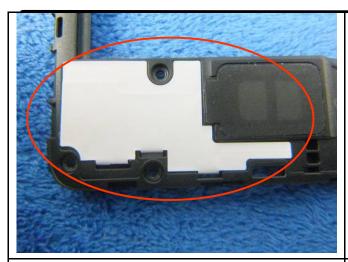


LCD - Front View

LCD - Rear View



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GSM/PCS/UMTS-FDD Antenna View

WIFI/BT/BLE/GPS - Antenna View

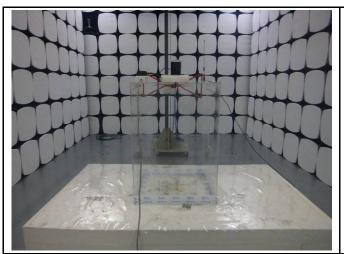


LTE Antenna View

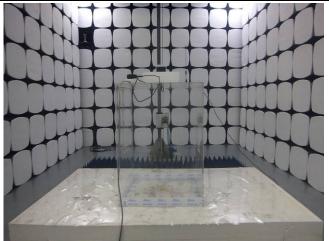


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Annex B.iii. Photograph: Test Setup Photo







Radiated Spurious Emissions Test Setup Above 1GHz

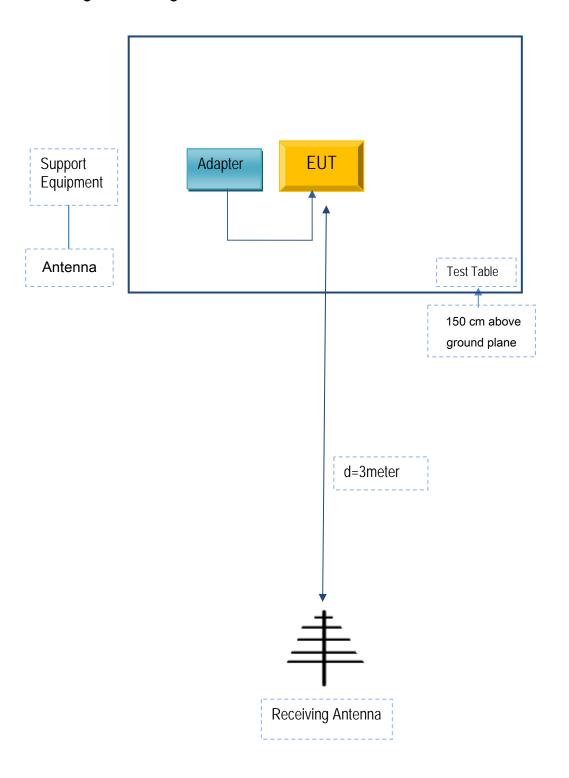


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

Manufacturer Equipment Description		Model	Serial No
MOBIWIRE MOBILES (NINGBO) CO.,LTD	Adapter	S005UA0500100	CBA3000AH0C1

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	CBA3000AH0C1



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Annex C.ii. EUT OPERATING CONKITIONS

N/A



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see the attachment



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Annex E. DECLARATION OF SIMILARITY

N/A