



FCC CFR47 PART 22H, 24E, 27 CERTIFICATION TEST REPORT FCC ID: ZSHX6

Product: Mobile phone

Trade Mark: Kenxinda

Model Number: X6

Family Model: N/A

Report No.: STR190625004006E

Prepared for

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name SHENZHEN KENXINDA TECHNOLOGY CO.,LTD

Address:	18TH FLOOR, FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China
Manufacturer's Name:	SHENZHEN KENXINDA TECHNOLOGY CO.,LTD
Address::	18TH FLOOR, FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China
Product name:	Mobile phone
Model and/or type reference:	X6
Family Model:	N/A
Standards:	FCC CFR 47 Part 22H, Part 24E, Part 27
Test procedure	.: ANSI C63.26:2015
	ANSI/TIA-603-E-2016
	been tested by NTEK, and the test results show that the equipment with the FCC requirements. And it is applicable only to the tested
•	d except in full, without the written approval of NTEK, this document K, personal only, and shall be noted in the revision of the document.
Date of Test	
Date (s) of performance of tests	16 Aug. 2019 ~ 18 Sep. 2019
Date of Issue	19 Sep. 2019
Test Result	Pass
Testing Engir	neer: / Wen lin
	(Allen Liu)
Technical Ma	anager: Juson chen
	(Jason Chen)
Authorized Si	ignatory: Sam. Chew
	(Sam Chen)



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1. GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Designation:	Mobile phone					
Trade Mark	Kenxinda					
Model Name	X6					
Family Model	N/A					
Model Difference	N/A					
FCC ID:	ZSHX6					
Fraguesey Banday	U.S. Bands:					
Frequency Bands:						
	LTE FDD Band 2 Uplink: 1850MHz-1910MHz,					
	Downlink: 1930MHz-1990MHz;					
	LTE FDD Band 4 Uplink: 1710MHz-1755MHz,					
Frequency Range:	Downlink: 2110MHz-2155MHz;					
Trequency Nange.	LTE-FDD Band 7 Uplink: 2500MHz-2570MHz,					
	Downlink: 2620MHz-2690MHz;					
	LTE FDD Band 17 Uplink: 704MHz-716MHz,					
	Downlink: 734MHz-746MHz;					
Type of Modulation:	QPSK/16QAM					
SIM Card	SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1					
Onvi Gara	is chosen for test.					
Antenna:	PIFA Antenna					
Antenna gain:	0.8dBi					
Power Supply:	DC 3.8V/3000mAh from Battery or DC 5V from USB Port.					
	Model: K12S					
Adapter:	Input: 100-240V~50/60Hz 0.25A					
	Output: 5V1A					
Extreme Vol. Limits:	DC 3.4V to DC 4.4V (Nominal DC 3.8V) (Note 1)					
HW Version	S580-MB-V2.0					
SW Version	X6.KXD.S580B.32+3.M.V01.01.20190905					
** Note1: The High Voltage DC 4.4V and Low Voltage 3.4V was declared by manufacturer, The EUT						

^{**} Note1: The High Voltage DC 4.4V and Low Voltage 3.4V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage.



1.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: ZSHX6** filling to comply with the FCC Part 22H&24E &27.

1.3 TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI/TIA-603-E-2016, FCC CFR 47 Part 2, Part 24, Part 27, ANSI C63.26:2015.

1.4 TEST FACILITY

The test site used to collect the radiated data is located at:

ShenZhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China.

The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.26:2015& ANSI C63.4: 2014.

FCC Registration No.:463705 IC Registration No.:9270A-1, CNAS Registration No.:L5516

MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5dB

1.5 SPECIAL ACCESSORIES

The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with EUT intended for FCC grant together.

1.6 WORST-CASE CONFIGURATION AND MODE

The worst-case scenario for all measurements is based on the investigation results.

The device has LTE Bands of: Band 2, Band 4, Band 7, Band 17.

The RB Size was selected to measure for peak or average ERP and EIRP, which was based on the conducted power verification baseline data.

For the fundamental investigation of radiated emissions, the EUT is investigated for vertical and horizontal antenna orientations and X Y and Z orientations of the EUT alone. After the investigations the worst case was determined to be at X orientation for all LTE bands.



2. SYSTEM TEST CONFIGURATION

2.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT EXERCISE

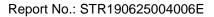
The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.

2.3 CONFIGURATION OF EUT SYSTEM

Table 2-1 Equipment Used in EUT System

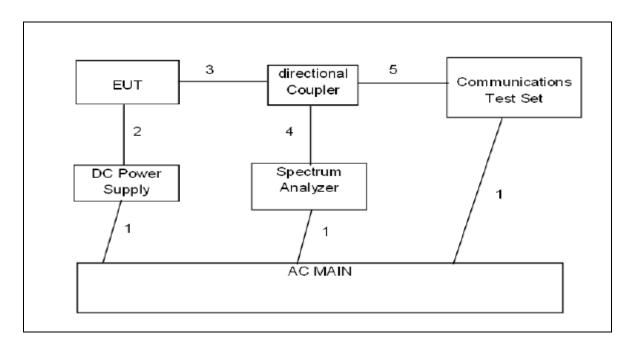
Item	Equipment	Equipment Model No.		Note
1	Mobile phone	X6	FCC ID: ZSHX6	EUT

Note: All the accessories have been used during the test. the following "EUT" in setup diagram means EUT system.

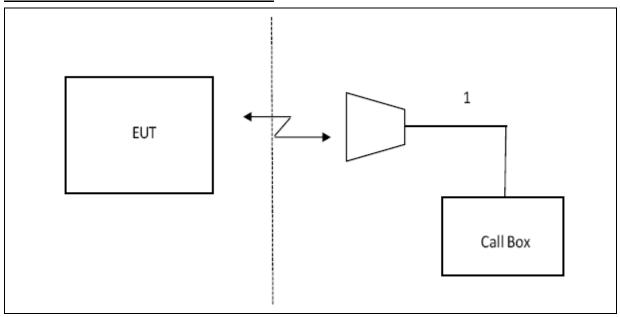




2.4 TEST SETUP CONDUCTED SETUP DIAGRAM FOR TESTS



RADIATED SETUP DIAGRAM FOR TESTS





3. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	NEXT CAL. DATE
SPECTRUM ANALYZER	AGILENT	N9020A	MY49100060	2019.10.07
TEST RECEIVER	R&S	ESCI	A0304218	2020.05.12
COMMUNICATION TESTER	R&S	CMU200	117858	2020.05.12
COMMUNICATION TESTER	R&S	CMW500	148500	2020.05.12
TEST RECEIVER	R&S	ESPI	101318	2020.05.12
LISN	SCHWARZBECK	NSLK8127	A0304233	2020.05.12
CLIMATE CHAMBER	ALBATROSS			2020.05.12
Loop Antenna	ARA	PLA-1030/B	1029	2020.05.12
Bilogical Antenna	TESEQ	CBL6111D	31216	2020.05.12
Horn Antenna	EM	EM-AH-10180	2011071402	2020.05.12
DC Power Source	N/A	PS-6005D	20170402923	2020.05.12



4. OUTPUT POWER

4.1 OUTPUT POWER MEASUREMENT

LTE Measurement Procedure:

All LTE bands conducted power peak and average are obtained from the CMW500 telecommunication test set. The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Cha	(RB)	MPR (dB)						
,	1.4 MHz								
QPSK	> 5	> 4	>8	> 12	> 16	> 18	≤ 1		
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1		
16 QAM	> 5	> 4	>8	> 12	> 16	> 18	≤ 2		

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".3



Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N _{RB})	A-MPR (dB)	
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA	
			3	>5	≤ 1	
			5	>6	≤ 1	
NS_03	6.6.2.2.1	2, 4,10, 23, 25, 35, 36	10	>6	≤ 1	
		 ,	15	>8	≤ 1	
			20	>10	≤ 1	
NO OA	00000	44	5	>6	≤ 1	
NS_04	6.6.2.2.2	41	10, 15, 20	See Table 6.2.4-4		
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1	
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a	
NO 07	6.6.2.2.3	13	10	Table 6.2.4-2	T-bl- 0 0 4 0	
NS_07	6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2	
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3	
NO OO	66224	01	10.15	> 40	≤ 1	
NS_09	6.6.3.3.4	21	10, 15	> 55	≤ 2	
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3	
NS_11	6.6.2.2.1	231	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5	
NS_32	-	-	-	-	-	
Note 1: A	pplies to the lower l	block of Band 23, i.e	a carrier place	d in the 2000-201	10 MHz region.	



5. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

RESULTS

PASS



6. BANDEDGE AND EMISSION MASK

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53, and §90.691

FCC: §22.359

LIMITS

FCC: §22.359, §24.238,

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.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Show citation box.

TEST PROCEDURE

The transmitter output was connected to a CMW500Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

Set the spectrum analyzer span to include the block edge frequency (704, 716, 824, 849, 1710 and 1755, 1850 and 1910MHz)

Set a marker to point the corresponding band edge frequency in each test case.

Set display line at -13 dBm

Set resolution bandwidth to at least 1% of emission bandwidth.

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

RESULTS



7. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238 and §27.53

LIMITS

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.

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

Set display line at -13 dBm

Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

7.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.



8. RADIATED MEASUREMENT

8.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §22.913, §24.232 and §27.50

LIMITS:

22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

27.50 (c) (10) the following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band, the portable stations (hand-held devices) are limited to 3 watts ERP.

27.50 (b)(10) Portable stations (hand-held devices) transmitting in the 746–757 MHz, 758–763 MHz, 776–793 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

TEST PROCEDURE

ANSI/TIA-603-E Clause 2.2.17

KDB 971168 v02r01 RF power output using broadband peak and average power meter method. KDB 971168 D01 Power Meas License Digital Systems v02r01, "Measurement Guidance for Certification of Licensed Digital Transmitters"

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

RESULTS

Pass





8.2 LTE BAND 2

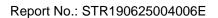
	Radiated Power (EIRP) for Band 2									
					•	Result				
			SG	Cabl	Antenn	Max.	Max.	Polarizatio		
Na . 1 .	RB/R	Frequenc	Level	е	a Gain	EIRP	EIRP	n Of Max.	Conclusio	
Mode	В	у	(dBm	Loss	(dB)	Averag	Averag	ERP	n	
	SIZE)	(dBm		е	е			
)		(dBm)	(mW)			
1.4MHz		1850.7	-2.03	3.76	28.24	22.45	175.879	Horizontal	Pass	
Band	1/ Mid	1880	-1.77	3.91	28.22	22.54	179.448	Horizontal	Pass	
QPSK		1909.3	-1.78	3.93	28.20	22.49	177.383	Horizontal	Pass	
3.0MHz		1851.5	-2.03	3.77	28.23	22.43	174.971	Horizontal	Pass	
Band	1/ Mid	1880	-1.90	3.91	28.24	22.43	175.175	Horizontal	Pass	
QPSK		1908.5	-1.82	3.94	28.25	22.49	177.439	Horizontal	Pass	
5.0MHz		1852.5	-2.17	3.77	28.31	22.37	172.730	Horizontal	Pass	
Band	1/ Mid	1880	-1.88	3.91	28.22	22.43	175.174	Horizontal	Pass	
QPSK		1907.5	-1.98	3.94	28.20	22.28	168.961	Horizontal	Pass	
10.0MH		1855	-2.14	3.79	28.33	22.40	173.718	Horizontal	Pass	
z Band	1/ Mid	1880	-1.77	3.95	28.22	22.50	177.661	Horizontal	Pass	
QPSK		1905	-1.67	3.97	28.19	22.55	179.823	Horizontal	Pass	
15.0MH		1857.5	-1.89	3.79	28.34	22.66	184.678	Horizontal	Pass	
z Band	1/ Mid	1880	-1.61	3.95	28.22	22.66	184.455	Horizontal	Pass	
QPSK		1902.5	-1.52	3.97	28.18	22.69	185.631	Horizontal	Pass	
20.0MH		1860	-2.09	3.81	28.35	22.45	175.753	Horizontal	Pass	
z Band	1/ Mid	1880	-1.86	3.96	28.22	22.40	173.582	Horizontal	Pass	
QPSK		1900	-1.56	4.00	28.16	22.60	182.105	Horizontal	Pass	
1.4MHz		1850.7	-2.07	3.76	28.24	22.41	174.330	Vertical	Pass	
Band	1/ Mid	1880	-1.87	3.91	28.22	22.44	175.372	Vertical	Pass	
QPSK		1909.3	-1.88	3.93	28.20	22.39	173.561	Vertical	Pass	
3.0MHz		1851.5	-1.89	3.77	28.23	22.57	180.736	Vertical	Pass	
Band	1/ Mid	1880	-1.74	3.91	28.24	22.59	181.458	Vertical	Pass	
QPSK		1908.5	-1.67	3.94	28.25	22.64	183.802	Vertical	Pass	
5.0MHz		1852.5	-2.09	3.77	28.31	22.45	175.765	Vertical	Pass	
Band	1/ Mid	1880	-1.79	3.91	28.22	22.52	178.832	Vertical	Pass	
QPSK		1907.5	-1.96	3.94	28.20	22.30	169.897	Vertical	Pass	
10.0MH	1/1/1:~	1855	-2.03	3.79	28.33	22.51	178.416	Vertical	Pass	
z Band	1/ Mid	1880	-1.82	3.95	28.22	22.45	175.818	Vertical	Pass	



QPSK		1905	-1.85	3.97	28.19	22.37	172.503	Vertical	Pass
15.0MH		1857.5	-2.00	3.79	28.34	22.55	180.092	Vertical	Pass
z Band	1/ Mid	1880	-1.75	3.95	28.22	22.52	178.463	Vertical	Pass
QPSK		1902.5	-1.47	3.97	28.18	22.74	187.861	Vertical	Pass
20.0MH		1860	-2.01	3.81	28.35	22.53	179.152	Vertical	Pass
z Band	1/ Mid	1880	-1.91	3.96	28.22	22.35	171.618	Vertical	Pass
QPSK		1900	-1.39	4.00	28.16	22.77	189.442	Vertical	Pass

Note:

SG Level= Signal generator output





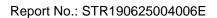
	Radiated Power (EIRP) for Band 2									
					(Result				
			SG	Cable	Antenn	Max.	Max.	Polarizatio		
	RB/R	Frequenc	Level	Loss	a Gain	EIRP	EIRP	n Of Max.	Conclusio	
Mode	В	у	(dBm	(dBm	(dB)	Averag	Averag	ERP	n	
	SIZE	,	()	(")	(3)	e (dBm)	e			
			,	,		,	(mW)			
1.4MHz		1850.7	-2.45	3.76	28.24	22.03	159.409	Horizontal	Pass	
Band 16	1/ Mid	1880	-2.22	3.91	28.22	22.09	161.898	Horizontal	Pass	
QAM		1909.3	-2.16	3.93	28.20	22.11	162.616	Horizontal	Pass	
3.0MHz		1851.5	-2.45	3.77	28.23	22.01	158.955	Horizontal	Pass	
Band 16	1/ Mid	1880	-2.41	3.91	28.24	21.92	155.768	Horizontal	Pass	
QAM		1908.5	-2.26	3.94	28.25	22.05	160.249	Horizontal	Pass	
5.0MHz		1852.5	-2.54	3.77	28.31	22.00	158.318	Horizontal	Pass	
Band 16	1/ Mid	1880	-2.14	3.91	28.22	22.17	164.643	Horizontal	Pass	
QAM		1907.5	-2.26	3.94	28.20	22.00	158.638	Horizontal	Pass	
10.0MH		1855	-2.48	3.79	28.33	22.06	160.645	Horizontal	Pass	
z Band	1/ Mid	1880	-2.16	3.95	28.22	22.11	162.712	Horizontal	Pass	
16 QAM		1905	-2.21	3.97	28.19	22.01	158.738	Horizontal	Pass	
15.0MH		1857.5	-2.54	3.79	28.34	22.01	158.985	Horizontal	Pass	
z Band	1/ Mid	1880	-2.27	3.95	28.22	22.00	158.537	Horizontal	Pass	
16 QAM		1902.5	-2.18	3.97	28.18	22.03	159.707	Horizontal	Pass	
20.0MH		1860	-2.50	3.81	28.35	22.04	160.061	Horizontal	Pass	
z Band	1/ Mid	1880	-2.13	3.96	28.22	22.13	163.274	Horizontal	Pass	
16 QAM		1900	-2.24	4.00	28.16	21.92	155.615	Horizontal	Pass	
1.4MHz		1850.7	-2.39	3.76	28.24	22.09	161.651	Vertical	Pass	
Band 16	1/ Mid	1880	-2.32	3.91	28.22	21.99	158.180	Vertical	Pass	
QAM		1909.3	-2.11	3.93	28.20	22.16	164.363	Vertical	Pass	
3.0MHz		1851.5	-2.47	3.77	28.23	21.99	158.246	Vertical	Pass	
Band 16	1/ Mid	1880	-2.40	3.91	28.24	21.93	156.125	Vertical	Pass	
QAM		1908.5	-2.24	3.94	28.25	22.07	161.201	Vertical	Pass	
5.0MHz		1852.5	-2.49	3.77	28.31	22.05	160.450	Vertical	Pass	
Band 16	1/ Mid	1880	-2.34	3.91	28.22	21.97	157.518	Vertical	Pass	
QAM		1907.5	-2.13	3.94	28.20	22.13	163.465	Vertical	Pass	
10.0MH		1855	-2.65	3.79	28.33	21.89	154.416	Vertical	Pass	
z Band	1/ Mid	1880	-2.34	3.95	28.22	21.93	155.992	Vertical	Pass	
16 QAM		1905	-2.43	3.97	28.19	21.79	150.848	Vertical	Pass	
15.0MH	4 / 8 8 : -1	1857.5	-2.66	3.79	28.34	21.89	154.432	Vertical	Pass	
z Band	1/ Mid	1880	-2.31	3.95	28.22	21.96	157.161	Vertical	Pass	



16 QAM		1902.5	-2.26	3.97	28.18	21.95	156.818	Vertical	Pass
20.0MH		1860	-2.45	3.81	28.35	22.09	161.718	Vertical	Pass
z Band	1/ Mid	1880	-2.08	3.96	28.22	22.18	165.355	Vertical	Pass
16 QAM		1900	-2.12	4.00	28.16	22.04	160.122	Vertical	Pass

Note:

SG Level= Signal generator output





8.3 LTE BAND 4

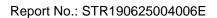
0.3 L	8.3 LTE BAND 4 Radiated Power (EIRP) for Band 4												
	<u> </u>		Rau	iated Po	wer (EIRP	•	1 4		Γ				
				Cobl	Antonn	Result	Max	Delevizație					
	RB/R	Гиолионо	SG	Cabl	Antenn	Max. EIRP	Max. EIRP	Polarizatio	Canalusia				
Mode	В	Frequenc	Level	e	a Gain			n Of Max. ERP	Conclusio				
	SIZE	у	(dBm	Loss (dBm	(dB)	Averag	Averag	EKP	n				
)	(ubiii		(dDm)	(m)4/)						
4 4141		1710.7	2.71	3.12	27.50	(dBm) 21.75	(mW) 149.690	Harizantal	Door				
1.4MHz	4 / 1/11:4		-2.71		27.58			Horizontal	Pass				
Band	1/ Mid	1732.5	-2.80	3.27	27.61	21.54	142.669	Horizontal	Pass				
QPSK		1754.3	-2.44	3.29	27.63	21.90	155.053	Horizontal	Pass				
3.0MHz		1711.5	-2.83	3.13	27.61	21.65	146.253	Horizontal	Pass				
Band	1/ Mid	1732.5	-2.60	3.27	27.61	21.74	149.414	Horizontal	Pass				
QPSK		1753.5	-2.52	3.30	27.62	21.80	151.266	Horizontal	Pass				
5.0MHz		1712.5	-2.50	3.13	27.63	22.00	158.503	Horizontal	Pass				
Band	1/ Mid	1732.5	-2.20	3.27	27.61	22.14	163.522	Horizontal	Pass				
QPSK		1752.5	-2.26	3.30	27.60	22.04	159.803	Horizontal	Pass				
10.0MH		1715	-2.54	3.15	27.64	21.95	156.715	Horizontal	Pass				
z Band	1/ Mid	1732.5	-2.53	3.31	27.61	21.77	150.272	Horizontal	Pass				
QPSK		1750	-2.43	3.33	27.59	21.83	152.574	Horizontal	Pass				
15.0MH		1717.5	-2.85	3.15	27.65	21.65	146.189	Horizontal	Pass				
z Band	1/ Mid	1732.5	-2.43	3.31	27.61	21.87	153.816	Horizontal	Pass				
QPSK		1747.5	-2.45	3.33	27.57	21.79	151.004	Horizontal	Pass				
20.0MH		1720	-2.67	3.17	27.66	21.82	151.899	Horizontal	Pass				
z Band	1/ Mid	1732.5	-2.44	3.32	27.61	21.85	153.047	Horizontal	Pass				
QPSK		1745	-2.55	3.36	27.56	21.65	146.093	Horizontal	Pass				
1.4MHz		1710.7	-2.66	3.12	27.58	21.80	151.296	Vertical	Pass				
Band	1/ Mid	1732.5	-2.60	3.27	27.61	21.74	149.186	Vertical	Pass				
QPSK		1754.3	-2.58	3.29	27.63	21.76	149.934	Vertical	Pass				
3.0MHz		1711.5	-2.64	3.13	27.61	21.84	152.715	Vertical	Pass				
Band	1/ Mid	1732.5	-2.46	3.27	27.61	21.88	154.197	Vertical	Pass				
QPSK		1753.5	-2.62	3.30	27.62	21.70	148.026	Vertical	Pass				
5.0MHz		1712.5	-2.38	3.13	27.63	22.12	162.992	Vertical	Pass				
Band	1/ Mid	1732.5	-2.29	3.27	27.61	22.05	160.174	Vertical	Pass				
QPSK		1752.5	-2.21	3.30	27.60	22.09	161.671	Vertical	Pass				
10.0MH		1715	-2.65	3.15	27.64	21.84	152.614	Vertical	Pass				
z Band	1/ Mid	1732.5	-2.50	3.31	27.61	21.80	151.445	Vertical	Pass				
QPSK		1750	-2.43	3.33	27.59	21.83	152.484	Vertical	Pass				



15.0MH		1717.5	-2.78	3.15	27.65	21.72	148.531	Vertical	Pass
z Band	1/ Mid	1732.5	-2.38	3.31	27.61	21.92	155.704	Vertical	Pass
QPSK		1747.5	-2.32	3.33	27.57	21.92	155.457	Vertical	Pass
20.0MH		1720	-2.29	3.17	27.66	22.20	165.825	Vertical	Pass
z Band	1/ Mid	1732.5	-2.47	3.32	27.61	21.82	151.952	Vertical	Pass
QPSK		1745	-2.44	3.36	27.56	21.76	150.108	Vertical	Pass

Note:

SG Level= Signal generator output





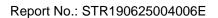
	Radiated Power (EIRP) for Band 4												
			110.0		(Result	<u> </u>						
			SG	Cabl	Antenn	Max.	Max.	Polarizatio					
	RB/R	Frequenc	Level	е	a Gain	EIRP	EIRP	n Of Max.	Conclusio				
Mode	В	y	(dBm	Loss	(dB)	Averag	Averag	ERP	n				
	SIZE)	(dBm		е	е						
			_)		(dBm)	(mW)						
1.4MHz		1710.7	-3.06	3.12	27.58	21.40	138.032	Horizontal	Pass				
Band 16	1/ Mid	1732.5	-2.93	3.27	27.61	21.41	138.242	Horizontal	Pass				
QAM		1754.3	-3.05	3.29	27.63	21.29	134.726	Horizontal	Pass				
3.0MHz		1711.5	-3.85	3.13	27.61	20.63	115.720	Horizontal	Pass				
Band 16	1/ Mid	1732.5	-3.71	3.27	27.61	20.63	115.673	Horizontal	Pass				
QAM		1753.5	-3.62	3.30	27.62	20.70	117.363	Horizontal	Pass				
5.0MHz		1712.5	-3.99	3.13	27.63	20.51	112.516	Horizontal	Pass				
Band 16	1/ Mid	1732.5	-3.86	3.27	27.61	20.48	111.602	Horizontal	Pass				
QAM		1752.5	-2.87	3.30	27.60	21.43	138.951	Horizontal	Pass				
10.0MH		1715	-3.22	3.15	27.64	21.27	133.986	Horizontal	Pass				
z Band	1/ Mid	1732.5	-2.92	3.31	27.61	21.38	137.332	Horizontal	Pass				
16 QAM		1750	-3.13	3.33	27.59	21.13	129.656	Horizontal	Pass				
15.0MH		1717.5	-3.06	3.15	27.65	21.44	139.182	Horizontal	Pass				
z Band	1/ Mid	1732.5	-2.89	3.31	27.61	21.41	138.308	Horizontal	Pass				
16 QAM		1747.5	-2.79	3.33	27.57	21.45	139.500	Horizontal	Pass				
20.0MH		1720	-3.31	3.17	27.66	21.18	131.353	Horizontal	Pass				
z Band	1/ Mid	1732.5	-3.09	3.32	27.61	21.20	131.785	Horizontal	Pass				
16 QAM		1745	-2.92	3.36	27.56	21.28	134.363	Horizontal	Pass				
1.4MHz		1710.7	-3.11	3.12	27.58	21.35	136.605	Vertical	Pass				
Band 16	1/ Mid	1732.5	-2.98	3.27	27.61	21.36	136.663	Vertical	Pass				
QAM		1754.3	-2.99	3.29	27.63	21.35	136.415	Vertical	Pass				
3.0MHz		1711.5	-3.70	3.13	27.61	20.78	119.566	Vertical	Pass				
Band 16	1/ Mid	1732.5	-3.65	3.27	27.61	20.69	117.265	Vertical	Pass				
QAM		1753.5	-3.58	3.30	27.62	20.74	118.626	Vertical	Pass				
5.0MHz		1712.5	-3.91	3.13	27.63	20.59	114.584	Vertical	Pass				
Band 16	1/ Mid	1732.5	-3.69	3.27	27.61	20.65	116.250	Vertical	Pass				
QAM		1752.5	-3.81	3.30	27.60	20.49	112.049	Vertical	Pass				
10.0MH		1715	-3.10	3.15	27.64	21.39	137.651	Vertical	Pass				
z Band	1/ Mid	1732.5	-2.89	3.31	27.61	21.41	138.282	Vertical	Pass				
16 QAM		1750	-3.08	3.33	27.59	21.18	131.135	Vertical	Pass				
15.0MH	1/ Mid	1717.5	-3.25	3.15	27.65	21.25	133.348	Vertical	Pass				
z Band	i/ iviiu	1732.5	-3.10	3.31	27.61	21.20	131.878	Vertical	Pass				



16 QAM		1747.5	-3.11	3.33	27.57	21.13	129.759	Vertical	Pass
20.0MH		1720	-3.17	3.17	27.66	21.32	135.666	Vertical	Pass
z Band	1/ Mid	1732.5	-3.01	3.32	27.61	21.28	134.329	Vertical	Pass
16 QAM		1745	-2.71	3.36	27.56	21.49	141.034	Vertical	Pass

Note:

SG Level= Signal generator output





8.4 LTE BAND 7

			Rad	iated Po	wer (EIRP) for Band	7		
						Result			
	22/		SG	Cabl	Antenn	Max.	Max.	Polarizati	
Mada	RB/		Level	е	a Gain	EIRP	EIRP	on Of	0
Mode	RB	Frequency	(dBm	Loss	(dB)	Averag	Averag	Max. ERP	Conclusion
	SIZE)	(dBm		е	е		
)		(dBm)	(mW)		
5.0MHz	4/	2502.5	-0.95	4.54	27.75	22.26	168.267	Vertical	Pass
Band	1/ Mid	2535	-0.83	4.69	27.72	22.20	165.959	Vertical	Pass
QPSK	IVIIU	2567.5	-0.92	4.71	27.71	22.08	161.436	Vertical	Pass
5.0MHz	1/	2502.5	-2.09	4.54	27.75	21.12	129.420	Vertical	Pass
Band 16	Mid	2535	-1.90	4.69	27.72	21.13	129.718	Vertical	Pass
QAM	IVIIU	2567.5	-1.86	4.71	27.71	21.14	130.017	Vertical	Pass
10.0MH	4 /	2505	-0.94	4.55	27.76	22.27	168.655	Vertical	Pass
z Band	1/ Mid	2535	-0.63	4.69	27.72	22.40	173.780	Vertical	Pass
QPSK	Mid	2565	-0.76	4.72	27.70	22.22	166.725	Vertical	Pass
10.0MH	1/	2505	-1.87	4.55	27.76	21.34	136.144	Vertical	Pass
z Band	Mid	2535	-1.65	4.69	27.72	21.38	137.404	Vertical	Pass
16 QAM	IVIIU	2565	-1.74	4.72	27.70	21.24	133.045	Vertical	Pass
15.0MH	1/	2507.5	-0.77	4.55	27.77	22.00	158.489	Vertical	Pass
z Band	Mid	2535	-0.66	4.69	27.72	21.89	154.525	Vertical	Pass
QPSK	IVIIU	2562.5	-0.84	4.72	27.69	22.05	160.325	Vertical	Pass
15.0MH	1/	2507.5	-1.98	4.55	27.77	21.24	133.045	Vertical	Pass
z Band	Mid	2535	-1.85	4.69	27.72	21.18	131.220	Vertical	Pass
16 QAM	IVIIU	2562.5	-1.88	4.72	27.69	21.09	128.529	Vertical	Pass
20.0MH	1/	2510	-1.21	4.57	27.78	22.45	175.792	Vertical	Pass
z Band	1/ Mid	2535	-1.10	4.73	27.72	22.37	172.584	Vertical	Pass
QPSK	ivilu	2560	-0.88	4.75	27.68	22.13	163.305	Vertical	Pass
20.0MH	1/	2510	-0.71	4.57	27.78	22.50	177.828	Vertical	Pass
z Band	Mid	2535	-1.92	4.73	27.72	21.07	127.938	Vertical	Pass
16 QAM	ivilu	2560	-2.04	4.75	27.68	20.89	122.744	Vertical	Pass

Note:

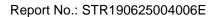
SG Level= Signal generator output



			Rad	iated Po	wer (EIRP) for Band	7		
						Result			
	DD/		SG	Cabl	Antenn	Max.	Max.	Polarizati	
Mode	RB/ RB	F	Level	е	a Gain	EIRP	EIRP	on Of	Canalusian
Mode	SIZE	Frequency	(dBm	Loss	(dB)	Averag	Averag	Max. ERP	Conclusion
	SIZE)	(dBm		е	е		
)		(dBm)	(mW)		
5.0MHz	1/	2502.5	-1.39	4.54	27.75	21.82	152.09	Horizontal	Pass
Band	Mid	2535	-1.06	4.69	27.72	21.97	157.53	Horizontal	Pass
QPSK	iviiu	2567.5	-1.04	4.71	27.71	21.96	157.02	Horizontal	Pass
5.0MHz	1/	2502.5	-2.27	4.54	27.75	20.94	124.05	Horizontal	Pass
Band 16	Mid	2535	-1.42	4.69	27.72	21.61	144.88	Horizontal	Pass
QAM	IVIIU	2567.5	-2.08	4.71	27.71	20.92	123.64	Horizontal	Pass
10.0MH	1/	2505	-1.22	4.55	27.76	21.99	158.10	Horizontal	Pass
z Band	-	2535	-1.12	4.69	27.72	21.91	155.16	Horizontal	Pass
QPSK	Mid	2565	-1.21	4.72	27.70	21.77	150.27	Horizontal	Pass
10.0MH	1/	2505	-2.45	4.55	27.76	20.76	119.03	Horizontal	Pass
z Band	Mid	2535	-1.99	4.69	27.72	21.04	127.13	Horizontal	Pass
16 QAM	iviiu	2565	-2.21	4.72	27.70	20.77	119.40	Horizontal	Pass
15.0MH	1/	2507.5	-1.57	4.55	27.77	21.65	146.08	Horizontal	Pass
z Band	Mid	2535	-1.03	4.69	27.72	22.00	158.50	Horizontal	Pass
QPSK	IVIIU	2562.5	-1.58	4.72	27.69	21.39	137.70	Horizontal	Pass
15.0MH	1/	2507.5	-2.14	4.55	27.77	21.08	128.17	Horizontal	Pass
z Band	Mid	2535	-2.61	4.69	27.72	20.42	110.25	Horizontal	Pass
16 QAM	IVIIU	2562.5	-1.81	4.72	27.69	21.16	130.65	Horizontal	Pass
20.0MH	1/	2510	-1.52	4.57	27.78	21.69	147.72	Horizontal	Pass
z Band	Mid	2535	-1.19	4.73	27.72	21.80	151.52	Horizontal	Pass
QPSK	ivilu	2560	-0.98	4.75	27.68	21.95	156.67	Horizontal	Pass
20.0MH	1/	2510	-1.70	4.57	27.78	21.51	141.58	Horizontal	Pass
z Band	Mid	2535	-0.81	4.73	27.72	22.18	165.20	Horizontal	Pass
16 QAM	ivilu	2560	-1.14	4.75	27.68	21.79	151.01	Horizontal	Pass

Note:

SG Level= Signal generator output





8.5 LTE BAND 17

			F	Radiated	Power (E	ERP) for	Band 17			
						Res	ult			
	RB/		SG	Cable	Anten		Max.	Max.	Polarizati	
Mode	RB	Freque	Level	Loss	na	Corre	ERP	ERP	on Of	Conclu
WIOGE	SIZE	ncy	(dBm)	(dBm)	Gain	ction	Averag	Averag	Max. ERP	sion
	SIZL				(dB)		е	е		
						(dB)	(dBm)	(mW)		
5.0MHz	1/	706.5	5.89	1.91	19.23	2.15	21.06	127.522	Vertical	Pass
Band	Mid	710	5.78	1.91	19.26	2.15	20.98	125.386	Vertical	Pass
QPSK	IVIIG	713.5	5.80	1.92	19.33	2.15	21.06	127.555	Vertical	Pass
10.0MH	1/	709	6.02	1.91	19.25	2.15	21.21	132.104	Vertical	Pass
z Band	Mid	710	6.06	1.91	19.26	2.15	21.26	133.543	Vertical	Pass
QPSK	IVIIU	711	5.78	1.92	19.32	2.15	21.03	126.832	Vertical	Pass
5.0MHz	1/	706.5	6.00	1.91	19.23	2.15	21.17	130.901	Horizontal	Pass
Band	Mid	710	5.84	1.91	19.26	2.15	21.04	126.980	Horizontal	Pass
QPSK	IVIIG	713.5	5.85	1.92	19.33	2.15	21.11	128.982	Horizontal	Pass
10.0MH	1/	709	5.98	1.91	19.25	2.15	21.17	130.899	Horizontal	Pass
z Band	Mid	710	6.09	1.91	19.26	2.15	21.29	134.499	Horizontal	Pass
QPSK	ivilu	711	5.73	1.92	19.32	2.15	20.98	125.229	Horizontal	Pass



			F	Radiated	Power (E	ERP) for	Band 17			
						Res	ult			
	RB/		SG	Cable	Anten		Max.	Max.	Polarizati	
Mode	RB	Freque	Level	Loss	na	Corre	ERP	ERP	on Of	Conclu
WIOGE	SIZE	ncy	(dBm)	(dBm)	Gain	ction	Averag	Averag	Max. ERP	sion
	OIZL				(dB)		е	е		
						(dB)	(dBm)	(mW)		
5.0MHz	1/	706.5	5.79	1.91	19.23	2.15	20.96	124.665	Vertical	Pass
Band 16	Mid	710	5.76	1.91	19.26	2.15	20.96	124.814	Vertical	Pass
QAM	IVIIU	713.5	5.70	1.92	19.33	2.15	20.96	124.606	Vertical	Pass
10.0MH	1/	709	5.68	1.91	19.25	2.15	20.87	122.282	Vertical	Pass
z Band	Mid	710	5.58	1.91	19.26	2.15	20.78	119.641	Vertical	Pass
16 QAM	iviiu	711	5.61	1.92	19.32	2.15	20.86	121.883	Vertical	Pass
5.0MHz	1/	706.5	5.69	1.91	19.23	2.15	20.86	121.823	Horizontal	Pass
Band 16	Mid	710	5.76	1.91	19.26	2.15	20.96	124.788	Horizontal	Pass
QAM	iviiu	713.5	5.71	1.92	19.33	2.15	20.97	124.974	Horizontal	Pass
10.0MH	1/	709	5.66	1.91	19.25	2.15	20.85	121.662	Horizontal	Pass
z Band		710	5.87	1.91	19.26	2.15	21.07	128.018	Horizontal	Pass
16 QAM	Mid	711	5.54	1.92	19.32	2.15	20.79	120.005	Horizontal	Pass

Note:

SG Level= Signal generator output



9. SPURIOUS RADIATION EMISSION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238 and §27.53

LIMIT

§22.917 (e) and §24.238 (a): Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

§27.53 (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

§27.53 (h) For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

The unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth in the 1 MHz band immediately outside and adjacent to the channel edge of the equipment. Beyond the 1 MHz band immediately outside the channel edge of the equipment, a resolution bandwidth of 1 MHz shall be employed. A narrower resolution bandwidth is allowed to be used provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz or 1% of the occupied bandwidth as applicable.



The power of any unwanted emissions measured from the channel edge of the equipment shall be attenuated below the transmitter power, P (dBW), as follows:

- a. for base station and subscriber equipment, other than mobile subscriber equipment, the attenuation shall not be less than 43 + 10 Log10 (p), dB; and
- b. for mobile subscriber equipment, the attenuation shall not be less than 43 + 10 Log10 (p), dB at the channel edges and 55 + 10 Log10 (p) at 5.5 MHz away and beyond the channel edges where p in (a) and (b) is the transmitter power measured in watts.

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

RESULTS

PASS



Below 1G:

QPSK EIRP POWER FOR LTE BAND 2 (1.4MHZ BANDWIDTH)

	•	Test Result	s for Low C	hannel 1850	.7MHz		
Fragues av (MIII-)	SG	Cable	Antenna	Absolute	Limit	Margin (dDm)	Dolority
Frequency(MHz)	Level(dBm)	Loss(dB)	Gain(dB)	Level(dBm)	(dBm)	Margin(dBm)	Polarity
279.26	-59.35	1.81	19.2	-41.96	-13	-28.96	Horizontal
398.24	-60.28	1.82	19.31	-42.79	-13	-29.79	Vertical
294.79	-59.96	1.82	19.22	-42.56	-13	-29.56	Vertical
399.04	-59.31	1.81	19.24	-41.88	-13	-28.88	Horizontal
		Test Resu	ılts for Mid	Channel 188	0MHz		
222.32	-61.59	1.81	18.11	-45.29	-13	-32.29	Horizontal
279.26	-59.6	1.91	19.2	-42.31	-13	-29.31	Vertical
598.49	-60.21	1.91	19.34	-42.78	-13	-29.78	Vertical
719.21	-60.42	1.91	19.21	-43.12	-13	-30.12	Horizontal
		Test Result	ts for High (Channel 1909	9.3MHz		
276.56	-57.96	1.91	19.2	-40.67	-13	-27.67	Horizontal
402.47	-57.31	1.92	19.33	-39.9	-13	-26.9	Vertical
563.57	-57.51	1.91	19.22	-40.2	-13	-27.2	Vertical
760.85	-57.52	1.91	19.21	-40.22	-13	-27.22	Horizontal

Note:

- 1. Pre-test tests all modes, only the worst mode data is recorded in the report
- 2. All other emissions more than 20dB below the limit



9.1 LTE BAND 2

QPSK EIRP POWER FOR LTE BAND 2 (1.4MHZ BANDWIDTH)

	•	Test Result	s for Low C	hannel 1850	.7MHz		
Fraguanov(MHz)	SG	Cable	Antenna	Absolute	Limit	Morgin(dPm)	Dolority
Frequency(MHz)	Level(dBm)	Loss(dB)	Gain(dB)	Level(dBm)	(dBm)	Margin(dBm)	Polarity
3701.4	-58.61	4.04	33.51	-29.14	-13	-16.14	Horizontal
3701.4	-59.34	4.04	33.51	-29.87	-13	-16.87	Vertical
5552.1	-56.98	5.24	35.84	-26.38	-13	-13.38	Vertical
5552.1	-57.31	5.24	35.84	-26.71	-13	-13.71	Horizontal
		Test Resu	ılts for Mid	Channel 188	0MHz		
3760	-58.31	4.04	33.56	-28.79	-13	-15.79	Horizontal
3760	-56.61	4.04	33.56	-27.09	-13	-14.09	Vertical
5640	-57.74	5.24	35.91	-27.07	-13	-14.07	Vertical
5640	-56.98	5.24	35.91	-26.31	-13	-13.31	Horizontal
		Test Result	ts for High (Channel 1909	3.3MHz		
3818.6	-58.44	4.04	34.00	-28.48	-13	-15.48	Horizontal
3818.6	-57.62	4.04	34.00	-27.66	-13	-14.66	Vertical
5727.9	-57.14	5.24	36.04	-26.34	-13	-13.34	Vertical
5727.9	-57.70	5.24	36.04	-26.90	-13	-13.90	Horizontal

QPSK EIRP POWER FOR LTE BAND 2 (20.0MHZ BANDWIDTH)

<u> </u>													
Test Results for Low Channel 1860MHz													
(NALL)	SG	Cable	Antenna	Absolute	Limit	Manada (IDaa)	Data						
Frequency(MHz)	Level(dBm)	Loss(dB)	Gain(dB)	Level(dBm)	(dBm)	Margin(dBm)	Polarity						
3720	-56.06	4.07	33.54	-26.59	-13	-13.59	Horizontal						
3720	-55.95	4.07	33.54	-26.48	-13	-13.48	Vertical						
5580	-57.65	5.28	35.86	-27.07	-13	-14.07	Vertical						
5580 -58.70 5.28 35.86 -28.12 -13 -15.12 Horizontal													
	Test Results for Mid Channel 1880MHz												
3760	-56.98	4.04	33.56	-27.46	-13	-14.46	Horizontal						
3760	-57.41	4.04	33.56	-27.89	-13	-14.89	Vertical						
5640	-58.61	5.24	35.91	-27.94	-13	-14.94	Vertical						
5640	-57.31	5.24	35.91	-26.64	-13	-13.64	Horizontal						
		Test Resu	Its for High	Channel 190	00MHz								
3800	-57.41	4.04	34.00	-27.45	-13	-14.45	Horizontal						
3800	-56.98	4.04	34.00	-27.02	-13	-14.02	Vertical						
5700	-57.41	5.24	36.04	-26.61	-13	-13.61	Vertical						
5700	-58.62	5.24	36.04	-27.82	-13	-14.82	Horizontal						

Note: PMea(dBm)= Power(dBm)+ ARpl (dBm)

. Over Limit= : PMea(dBm)-Limit(dBm)



9.2 LTE BAND 4

QPSK EIRP POWER FOR LTE BAND 4 (1.4MHZ BANDWIDTH)

Test Results for Low Channel 1710.7MHz								
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit (dBm)	Margin(dBm)	Polarity	
3421.4	-53.64	4.02	29.80	-27.86	-13	-14.86	Horizontal	
3421.4	-54.31	4.02	29.80	-28.53	-13	-15.53	Vertical	
5132.1	-57.41	5.24	35.84	-26.81	-13	-13.81	Vertical	
5132.1	-58.73	5.24	35.84	-28.13	-13	-15.13	Horizontal	
	Test Results for Mid Channel 1732.5MHz							
3465	-51.35	4.03	30.00	-25.38	-13	-12.38	Horizontal	
3465	-52.07	4.03	30.00	-26.10	-13	-13.10	Vertical	
5197.5	-56.41	5.25	35.86	-25.80	-13	-12.80	Vertical	
5197.5	-56.70	5.25	35.86	-26.09	-13	-13.09	Horizontal	
		Test Resul	ts for High (Channel 1754	4.3MHz			
3508.6	-54.41	4.05	30.01	-28.45	-13	-15.45	Horizontal	
3508.6	-56.17	4.05	30.01	-30.21	-13	-17.21	Vertical	
5262.9	-56.52	5.26	35.86	-25.92	-13	-12.92	Vertical	
5262.9	-55.93	5.26	35.86	-25.33	-13	-12.33	Horizontal	

QPSK EIRP POWER FOR LTE BAND 4 (20.0MHZ BANDWIDTH)

Test Results for Low Channel 1720MHz								
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit (dBm)	Margin(dBm)	Polarity	
3440	-56.31	4.02	29.80	-30.53	-13	-17.53	Horizontal	
3440	-54.65	4.02	29.80	-28.87	-13	-15.87	Vertical	
5160	-57.40	5.24	35.84	-26.80	-13	-13.80	Vertical	
5160	-58.61	5.24	35.84	-28.01	-13	-15.01	Horizontal	
	Test Results for Mid Channel 1732.5MHz							
3465	-53.62	4.03	30.00	-27.65	-13	-14.65	Horizontal	
3465	-54.84	4.03	30.00	-28.87	-13	-15.87	Vertical	
5197.5	-56.95	5.25	35.86	-26.34	-13	-13.34	Vertical	
5197.5	-57.44	5.25	35.86	-26.83	-13	-13.83	Horizontal	
		Test Resu	Its for High	Channel 174	5MHz			
3490	-53.62	2.91	27.68	-28.85	-13	-15.85	Horizontal	
3490	-56.98	2.91	27.68	-32.21	-13	-19.21	Vertical	
5235	-57.62	5.26	35.86	-27.02	-13	-14.02	Vertical	
5235	-58.31	5.26	35.86	-27.71	-13	-14.71	Horizontal	

Note: PMea(dBm)= Power(dBm)+ ARpl (dBm)
. Over Limit=: PMea(dBm)-Limit(dBm)



9.3 LTE BAND 7

QPSK EIRP POWER FOR LTE BAND 7 (5.0MHZ BANDWIDTH)

Test Results for Low Channel 2502.5MHz								
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit (dBm)	Margin(dBm)	Polarity	
5005	-83.41	5.23	35.81	-52.83	-25.00	-27.83	Horizontal	
5005	-82.70	5.23	35.81	-52.12	-25.00	-27.12	Vertical	
7507.5	-81.71	5.67	36.85	-50.53	-25.00	-25.53	Vertical	
7507.5	-81.30	5.67	36.85	-50.12	-25.00	-25.12	Horizontal	
	Test Results for Mid Channel 2535MHz							
5070	-80.10	5.23	35.82	-49.51	-25.00	-24.51	Horizontal	
5070	-81.19	5.23	35.82	-50.60	-25.00	-25.60	Vertical	
7605	-81.74	5.67	36.85	-50.56	-25.00	-25.56	Vertical	
7605	-82.22	5.67	36.85	-51.04	-25.00	-26.04	Horizontal	
	Т	est Result	s for High	Channel 256	7.5MHz			
5135	-84.31	5.24	35.83	-53.72	-25.00	-28.72	Horizontal	
5135	-81.87	5.24	35.83	-51.28	-25.00	-26.28	Vertical	
7702.5	-82.70	5.68	36.87	-51.51	-25.00	-26.51	Vertical	
7702.5	-83.04	5.68	36.87	-51.85	-25.00	-26.85	Horizontal	

QPSK EIRP POWER FOR LTE BAND 7 (20.0MHZ BANDWIDTH)

Test Results for Low Channel 2510MHz								
(NALL)	SG	Cable	Antenna	Absolute	Limit	Manufact ID	D. J. St	
Frequency(MHz)	Level(dBm)	Loss(dB)	Gain(dB)	Level(dBm)	(dBm)	Margin(dBm)	Polarity	
5020	-81.07	5.23	35.82	-50.48	-25.00	-25.48	Horizontal	
5020	-80.50	5.23	35.82	-49.91	-25.00	-24.91	Vertical	
7530	-81.46	5.67	36.86	-50.27	-25.00	-25.27	Vertical	
7530	-81.49	5.67	36.86	-50.30	-25.00	-25.30	Horizontal	
	Test Results for Mid Channel 2535MHz							
5070	-82.94	5.23	35.82	-52.35	-25.00	-27.35	Horizontal	
5070	-82.27	5.23	35.82	-51.68	-25.00	-26.68	Vertical	
7605	-82.07	5.67	36.85	-50.89	-25.00	-25.89	Vertical	
7605	-83.61	5.67	36.85	-52.43	-25.00	-27.43	Horizontal	
		Test Resul	ts for High	Channel 25	60MHz			
5120	-80.79	5.24	35.83	-50.20	-25.00	-25.20	Horizontal	
5120	-80.74	5.24	35.83	-50.15	-25.00	-25.15	Vertical	
7680	-81.06	5.70	36.88	-49.88	-25.00	-24.88	Vertical	
7680	-80.46	5.70	36.88	-49.28	-25.00	-24.28	Horizontal	

Note: PMea(dBm)= Power(dBm)+ ARpl (dBm)

. Over Limit= : PMea(dBm)-Limit(dBm)



9.4 LTE BAND 17

QPSK EIRP POWER FOR LTE BAND 17 (5MHZ BANDWIDTH)

Test Results for Low Channel 706.5MHz								
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit (dBm)	Margin(dBm)	Polarity	
1413	-52.40	2.61	27.28	-27.73	-13	-14.73	Horizontal	
1413	-53.31	2.61	27.28	-28.64	-13	-15.64	Vertical	
2119.5	-52.76	2.87	27.59	-28.04	-13	-15.04	Vertical	
2119.5	-52.42	2.87	27.59	-27.70	-13	-14.70	Horizontal	
	Test Results For Mid Channel 710MHz							
1420	-51.87	2.62	27.30	-27.19	-13	-14.19	Horizontal	
1420	-53.73	2.62	27.30	-29.05	-13	-16.05	Vertical	
2130	-54.45	2.87	27.62	-29.70	-13	-16.70	Vertical	
2130	-57.10	2.87	27.62	-32.35	-13	-19.35	Horizontal	
		Test Resul	lts for High	Channel 713	.5MHz			
1427	-54.03	2.66	27.28	-29.41	-13	-16.41	Horizontal	
1427	-55.48	2.66	27.28	-30.86	-13	-17.86	Vertical	
2140.5	-52.60	2.88	27.60	-27.88	-13	-14.88	Vertical	
2140.5	-51.30	2.88	27.60	-26.58	-13	-13.58	Horizontal	

QPSK EIRP POWER FOR LTE BAND 17 (10MHZ BANDWIDTH)

Test Results for Low Channel 709MHz								
Frequency(MHz)	SG	Cable	Antenna	Absolute	Limit	Margin(dBm)	Polarity	
1 requericy(ivii iz)	Level(dBm)	Loss(dB)	Gain(dB)	Level(dBm)	(dBm)	wargin(abin)	1 Glarity	
1418	-54.93	2.62	27.30	-30.25	-13	-17.25	Horizontal	
1418	-52.79	2.62	27.30	-28.11	-13	-15.11	Vertical	
2127	-53.96	2.87	27.62	-29.21	-13	-16.21	Vertical	
2127	-57.05	2.87	27.62	-32.30	-13	-19.30	Horizontal	
	Test Results for Mid Channel 710MHz							
1420	-54.49	2.62	27.30	-29.81	-13	-16.81	Horizontal	
1420	-52.00	2.62	27.30	-27.32	-13	-14.32	Vertical	
2130	-56.36	2.87	27.62	-31.61	-13	-18.61	Vertical	
2130	-51.94	2.87	27.62	-27.19	-13	-14.19	Horizontal	
		Test Resu	ılts for High	Channel 71	1MHz			
1422	-52.98	2.62	27.30	-28.30	-13	-15.30	Horizontal	
1422	-53.59	2.62	27.30	-28.91	-13	-15.91	Vertical	
2133	-52.54	2.87	27.62	-27.79	-13	-14.79	Vertical	
2133	-55.49	2.87	27.62	-30.74	-13	-17.74	Horizontal	

Note: PMea(dBm)= Power(dBm)+ ARpl (dBm)

. Over Limit= : PMea(dBm)-Limit(dBm)



10. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235, §27.54

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

§24.235 - The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

Temp. = -30° to $+50^{\circ}$ C

Voltage = low voltage, DC 3.4V, Normal, DC 3.8V and High voltage, DC 4.4V.

Frequency Stability vs Temperature:

The EUT is place inside a temperature chamber. The temperature is set to -30°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

RESULTS

See the following pages.



10.1 LTE BAND 2 QPSK, (20MHz BANDWIDTH)

Frequency error vs. Voltage

Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]
BAI	ND 2 QPSK, (CH 1890	0 RB size 100 RB Offs	et 0 20MHz BANDWID	TH)
3.4	1880	-13.1	-0.006968	2.5
3.8	1880	-13.2	-0.007021	2.5
4.4	1880	-12.7	-0.006755	2.5

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ND 2 QPSK, (CH 1890	0 RB size 100 RB Offs	et 0 20MHz BANDWID	OTH)
Normal (25C)	1880	-13.1	-0.006968	2.5
Extreme (50C)	1880	-11	-0.005851	2.5
Extreme (40C)	1880	-11.1	-0.005904	2.5
Extreme (30C)	1880	-13.2	-0.007021	2.5
Extreme (10C)	1880	-13.7	-0.007287	2.5
Extreme (0C)	1880	-13.6	-0.007234	2.5
Extreme (-10C)	1880	-15.3	-0.008138	2.5
Extreme (-20C)	1880	-14.5	-0.007713	2.5
Extreme (-30C)	1880	-15.2	-0.008085	2.5



16QAM, (20MHz BANDWIDTH)

Frequency error vs. Voltage

Troquency on or				
Voltage	Frequency	Frequency*	Frequency	Limit
[Vdc]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ND 2 16QAM, (CH 1890	00 RB size 100 RB Off	set 0 20MHz BANDWII	DTH)
3.4	1880	-19.0	-0.010106	2.5
3.8	1880	-15.4	-0.008191	2.5
4.4	1880	-18.6	-0.009894	2.5

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ID 2 16QAM, (CH 1890	00 RB size 100 RB Off	set 0 20MHz BANDWII	DTH)
Normal (25C)	1880	-19.3	-0.010266	2.5
Extreme (50C)	1880	-20.5	-0.010904	2.5
Extreme (40C)	1880	-20.1	-0.010691	2.5
Extreme (30C)	1880	-18.6	-0.009894	2.5
Extreme (10C)	1880	-19.2	-0.010213	2.5
Extreme (0C)	1880	-18.1	-0.009628	2.5
Extreme (-10C)	1880	-17.5	-0.009309	2.5
Extreme (-20C)	1880	-17.3	-0.009202	2.5
Extreme (-30C)	1880	-16.6	-0.008830	2.5

^{*}Note: Frequency error measurements were made by using the build-in capability of the Wireless Communication Test Set.



10.2 LTE BAND 4 QPSK, (10MHz BANDWIDTH)

Frequency error vs. Voltage

Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]
BAN	ID 4 QPSK, (CH 20175	RB size 100 RB Offse	et 0 20MHz BANDWID	ГН)
3.4	1732.5	-14.9	-0.008600	2.5
3.8	1732.5	-14.9	-0.008600	2.5
4.4	1732.5	-15.0	-0.008658	2.5

Temperature	Frequency	Frequency*	Frequency	Limit
[°C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ND 4 QPSK, (CH 2017	5 RB size 100 RB Offs	et 0 20MHz BANDWID	OTH)
Normal (25C)	1732.5	-11.8	-0.006811	2.5
Extreme (50C)	1732.5	-13.5	-0.007792	2.5
Extreme (40C)	1732.5	-13.2	-0.007619	2.5
Extreme (30C)	1732.5	-13.2	-0.007619	2.5
Extreme (10C)	1732.5	-11.5	-0.006638	2.5
Extreme (0C)	1732.5	-10.7	-0.006176	2.5
Extreme (-10C)	1732.5	-11	-0.006349	2.5
Extreme (-20C)	1732.5	-15.2	-0.008773	2.5
Extreme (-30C)	1732.5	-13.6	-0.007850	2.5



16QAM, (20MHz BANDWIDTH)

Frequency error vs. Voltage

Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]	
BAND	BAND 4 16QAM, (CH 20175 RB size 100 RB Offset 0 20MHz BANDWIDTH)				
3.4	1732.5	-12.6	-0.007273	2.5	
3.8	1732.5	-13.3	-0.007677	2.5	
4.4	1732.5	-13.1	-0.007561	2.5	

Temperature	Frequency	Frequency*	Frequency	Limit
[°C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	D 4 16QAM, (CH 2017	5 RB size 100 RB Offs	set 0 20MHz BANDWI	DTH)
Normal (25C)	1732.5	-13.2	-0.007619	2.5
Extreme (50C)	1732.5	-10.2	-0.005887	2.5
Extreme (40C)	1732.5	-10.7	-0.006176	2.5
Extreme (30C)	1732.5	-12	-0.006926	2.5
Extreme (10C)	1732.5	-12.6	-0.007273	2.5
Extreme (0C)	1732.5	-12.3	-0.007100	2.5
Extreme (-10C)	1732.5	-10.5	-0.006061	2.5
Extreme (-20C)	1732.5	-12.1	-0.006984	2.5
Extreme (-30C)	1732.5	-12	-0.006926	2.5

^{*}Note: Frequency error measurements were made by using the build-in capability of the Wireless Communication Test Set.



10.3 LTE BAND 7 QPSK, (20MHz BANDWIDTH)

Frequency error vs. Voltage

Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]		
BAI	BAND 7 QPSK, (CH 21100 RB size 100 RB Offset 0 20MHz BANDWIDTH)					
3.4	2535	-22.0	-0.008679	2.5		
3.8	2535	-22.4	-0.008836	2.5		
4.4	2535	-22.8	-0.008994	2.5		

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAI	ND 7 QPSK, (CH 2110	0 RB size 100 RB Offs	et 0 20MHz BANDWID	TH)
Normal (25C)	2535	-22.7	-0.008955	2.5
Extreme (50C)	2535	-25.5	-0.010059	2.5
Extreme (40C)	2535	-27.6	-0.010888	2.5
Extreme (30C)	2535	-22.6	-0.008915	2.5
Extreme (10C)	2535	-22.2	-0.008757	2.5
Extreme (0C)	2535	-21.3	-0.008402	2.5
Extreme (-10C)	2535	-24.5	-0.009665	2.5
Extreme (-20C)	2535	-23	-0.009073	2.5
Extreme (-30C)	2535	-26.1	-0.010296	2.5



16QAM, (20MHz BANDWIDTH)

Frequency error vs. Voltage

rioquonoy oner voi veitage					
Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]	
DANIE	7.400 AM (CU 2440)	DD ai-a 400 DD 0#a	-4 0 20MH - D ANDWID	TII)	
BANL) / 16QAM, (CH 21100	RB SIZE 100 RB Offs	et 0 20MHz BANDWID	(H)	
3.4	2535	-23.9	-0.009428	2.5	
3.8	2535	-24.3	-0.009586	2.5	
4.4	2535	-24.3	-0.009586	2.5	

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ID 7 16QAM, (CH 2110	00 RB size 100 RB Off	set 0 20MHz BANDWII	DTH)
Normal (25C)	2535	-23.6	-0.009310	2.5
Extreme (50C)	2535	-25.1	-0.009901	2.5
Extreme (40C)	2535	-26.6	-0.010493	2.5
Extreme (30C)	2535	-23.7	-0.009349	2.5
Extreme (10C)	2535	-23.8	-0.009389	2.5
Extreme (0C)	2535	-24.5	-0.009665	2.5
Extreme (-10C)	2535	-25.3	-0.009980	2.5
Extreme (-20C)	2535	-24.9	-0.009822	2.5
Extreme (-30C)	2535	-25.6	-0.010099	2.5

^{*}Note: Frequency error measurements were made by using the build-in capability of the Wireless Communication Test Set.



10.4 LTE BAND 17 QPSK, (10MHz BANDWIDTH)

Frequency error vs. Voltage

Voltage [Vdc]	Frequency [MHz]	Frequency* Error[Hz]	Frequency Error[ppm]	Limit [ppm]		
BAI	BAND 17 QPSK, (CH 23790 RB size 50 RB Offset 0 10MHz BANDWIDTH)					
3.4	710.0	-7.5	-0.010563	2.5		
3.8	710.0	-6.9	-0.009718	2.5		
4.4	710.0	-6.7	-0.009437	2.5		

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAN	ND 17 QPSK, (CH 237	90 RB size 50 RB Offs	set 0 10MHz BANDWID	OTH)
Normal (25C)	710.0	-7	-0.009859	2.5
Extreme (50C)	710.0	-7.5	-0.010563	2.5
Extreme (40C)	710.0	-7	-0.009859	2.5
Extreme (30C)	710.0	-7.8	-0.010986	2.5
Extreme (10C)	710.0	-7.7	-0.010845	2.5
Extreme (0C)	710.0	-7.8	-0.010986	2.5
Extreme (-10C)	710.0	-6.9	-0.009718	2.5
Extreme (-20C)	710.0	-7.4	-0.010423	2.5
Extreme (-30C)	710.0	-7.3	-0.010282	2.5



16QAM, (10MHz BANDWIDTH)

Frequency error vs. Voltage

			_		
Voltage	Frequency	Frequency*	Frequency	Limit	
[Vdc]	[MHz]	Error[Hz]	Error[ppm]	[ppm]	
[vaoj	[1411 12]	21101[112]	Enongphin	[bb]	
BAND 17 16QAM, (CH 23790 RB size 50 RB Offset 0 10MHz BANDWIDTH)					
3.4	710.0	-8.8	-0.012394	2.5	
3.8	710.0	-9.1	-0.012817	2.5	
4.4	710.0	-8.6	-0.012113	2.5	

Temperature	Frequency	Frequency*	Frequency	Limit
[° C]	[MHz]	Error[Hz]	Error[ppm]	[ppm]
BAI	ND 17 QPSK, (CH 2379	90 RB size 50 RB Offs	et 0 10MHz BANDWID	OTH)
Normal (25C)	710.0	-8.6	-0.012113	2.5
Extreme (50C)	710.0	-9.7	-0.013662	2.5
Extreme (40C)	710.0	-9.2	-0.012958	2.5
Extreme (30C)	710.0	-8.7	-0.012254	2.5
Extreme (10C)	710.0	-8.8	-0.012394	2.5
Extreme (0C)	710.0	-9.2	-0.012958	2.5
Extreme (-10C)	710.0	-9.5	-0.013380	2.5
Extreme (-20C)	710.0	-9	-0.012676	2.5
Extreme (-30C)	710.0	-9.4	-0.013239	2.5

^{*}Note: Frequency error measurements were made by using the build-in capability of the Wireless Communication Test Set.



11. Peak-to-Average Ratio

11.1 Description of the PAR Measurement

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

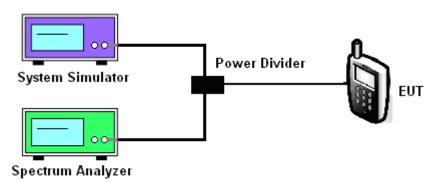
11.2 Measuring Instruments

See list of measuring instruments of this test report.

11.3 Test Procedures

- 1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. For GSM/EGPRS operating modes:
 - a. Set the RBW = 1MHz, VBW = 1MHz, Peak detector in spectrum analyzer.
 - b. Set EUT in maximum power output, and triggered the burst signal.
 - c. Measured respectively the Peak level and Mean level, and the deviation was recorded as Peak to Average Ratio.
- 4. For UMTS operating modes:
 - a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
 - b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.

11.4 Test Setup



MODES TESTED

LTE Band 2

LTE Band 4

LTE Band 7

LTE Band 17

Test data reference attachment.

----END OF REPORT----