

Radio Test Report

Report No.: CTA231114012W01

Issued for

WHOOOP INTERNATIONAL TRADING LIMITED

Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road,
Kowloon, Hong Kong

Product Name: 10.1 inch Quad Core 4G Tablet PC

Brand Name: ROVER

Model Name: R10

Series Model(s): N/A

FCC ID: 2AP7LTAB10US

Test Standards: 47 CFR Part 2, 22, 24, 27

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Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST RESULT

Applicant's Name: WHOOP INTERNATIONAL TRADING LIMITED
 Address: Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road,
 Kowloon, Hong Kong
 Manufacturer's Name: Shenzhen Teleone Technology Co.,Ltd
 Address: Tower B 5/F, Shanshui Building, Nanshan Yungu Innovation Indu
 stry Park, 4093 Liuxian Avenue, Shenzhen, China

Product Description

Product Name: 10.1 inch Quad Core 4G Tablet PC
 Brand Name: ROVER
 Model Name: R10
 Series Model(s): N/A
 Test Standards: 47 CFR Part 2, 22, 24, 27
 Test Procedure: KDB 971168 D01 v03r01,ANSI C63.26(2015)

This device described above has been tested by CTA, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:

Date of receipt of test item.....: 29 Mar. 2023
 Date (s) of performance of tests.: 29 Mar. 2023 ~ 28 Oct. 2023
 Date of Issue: 28 Oct. 2023
 Test Result: Pass

Testing Engineer :

Zoey Cao

(Zoey Cao)

Technical Manager :

Amy Wen

(Amy Wen)

Authorized Signatory :

Eric Wang

(Eric Wang)

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	28 Oct. 2023	CTA231114012W01	ALL	Initial Issue

SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of KDB 971168 D01 v03r01 and ANSI C63.26(2015)

Test Description	FCC Rules	Band	Test Limit	Test Result
Conducted Output Power	2.1046	/	Reporting Only	PASS
Transmitter Radiated Power	22.913	B5	ERP < 7 Watt	PASS
	24.232(c)	B2	EIRP < 2Watt	
	27.50(c)	B12	ERP < 3 Watt	
	27.50(d)	B4, B66	EIRP < 1Watt	
Peak-to-Average Ratio	22.913(d)	B5	< 13 dB	PASS
	24.232(d)	B2		
	27.50	B4, B12, B66		
Occupied Bandwidth	2.1049	/	Reporting Only	PASS
Frequency Stability	2.1055	/	< 2.5 ppm	PASS
	22.355	B5		
	24.235	B2		
	27.54	B4, B12, B66		
Spurious Emission at Antenna Terminals	2.1051	/	< 43+10log ₁₀ (P[Watts])	PASS
	22.917	B5		
	24.238(a)	B2		
	27.53(g)	B12		
	27.53(h)	B4, B66		
Band Edge	2.1051	/	Please refer to standard	PASS
	22.917	B5		

	24.238(a)	B2		
	27.53(g)	B12		
	27.53(h)	B4, B66		
Field Strength of Spurious Radiation	2.1053	/	< 43+10log10(P[Watts])	PASS
	22.917	B5		
	24.238(a)	B2		
	27.53(g)	B12		
	27.53(h)	B4, B66		

1 INTRODUCTION

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

FCC test Firm Registration Number: 517856

IC test Firm Registration Number: 27890

A2LA Certificate No.: 6534.01

IC CAB ID: CN0127

1.2 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement data shown herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Test	Range	Measurement Uncertainty
Radiated Emission	30~1000MHz	4.06 dB
Radiated Emission	1~18GHz	5.14 dB
Radiated Emission	18-40GHz	5.38 dB
Conducted Disturbance	0.15~30MHz	2.14 dB
Output Peak power	30MHz~18GHz	0.55 dB
Power spectral density	/	0.57 dB
Spectrum bandwidth	/	1.1%
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.10 dB
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.32 dB
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.54 dB

2 PRODUCT INFORMATION

Product Name	10.1 inch Quad Core 4G Tablet PC
Brand Name	ROVER
Model Name	R10
Series Model(s)	N/A
Model Difference	N/A
Tx Frequency:	<p>GPRS/EDGE: 850: 824 MHz ~ 849MHz 1900: 1850 MHz ~ 1910MHz</p> <p>WCDMA: Band V: 824 MHz ~ 849 MHz Band II: 1850 MHz ~ 1910 MHz Band IV: 1710 MHz ~ 1755 MHz</p> <p>LTE: LTE Band 2: 1850~1910MHz LTE Band 4: 1710~1755MHz LTE Band 5: 824~849MHz LTE Band 12: 699~716MHz LTE Band 66:1710~1780MHz</p>
Rx Frequency:	<p>GPRS/EDGE: 850: 869 MHz ~ 894 MHz 1900: 1930 MHz ~ 1990MHz</p> <p>WCDMA: Band V: 869 MHz ~ 894 MHz Band II: 1930 MHz ~ 1990 MHz Band IV: 2110 MHz ~ 2155 MHz</p> <p>LTE: LTE Band 2: 1930 ~1990MHz LTE Band 4: 2110~2155MHz LTE Band 5: 869~894MHz LTE Band 12: 729~746MHz LTE Band 66: 2110~2200MHz</p>
Max RF Output Power:	<p>GPRS850(1-Slot): 33.30dBm, GPRS1900(1-Slot): 25.11dBm GPRS850(2-Slot): 31.13dBm, GPRS1900(2-Slot): 22.73dBm GPRS850(3-Slot): 29.17dBm, GPRS1900(3-Slot): 21.18dBm GPRS850(4-Slot): 27.02dBm, GPRS1900(4-Slot): 19.24dBm EDGE 850(1-Slot): 25.78dBm, EDGE 1900(1-Slot): 25.71dBm EDGE 850(2-Slot): 25.22dBm, EDGE 1900(2-Slot): 23.76dBm EDGE 850(3-Slot): 22.63dBm, EDGE 1900(3-Slot): 21.47dBm EDGE 850(4-Slot): 20.57dBm, EDGE 1900(4-Slot): 19.66dBm WCDMA Band V: 23.25dBm, WCDMA Band II: 22.59dBm WCDMA Band IV: 23.40dBm</p>

	LTE Band 2: 23.16dBm, LTE Band 4: 22.77dBm LTE Band 5: 23.58dBm, LTE Band 12: 23.97dBm, LTE Band 66: 22.87dBm
Modulation Characteristics:	GMSK for GPRS; GMSK and 8PSK for EDGE WCDMA: QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK LTE: QPSK /16QAM
SIM Card:	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested.
Antenna:	PIFA
Antenna gain:	GSM850/ WCDMA 850/ LTE B5: -1.30dBi, GSM1900/ WCDMA1900/ LTE B2: 0.53dBi, WCDMA1700/ LTE B4/ LTE B66: 0.96dBi, LTE B12: -2.69dBi
Battery parameter:	Rated Voltage:3.8V Charge Limit Voltage:4.35 V Capacity: 5100mAh
Adapter:	Input: AC 100-240V 0.3A 50/60Hz Output: DC 5V 1500mA
GPRS/EDGE Class:	Multi-Class12
Extreme Vol. Limits:	DC 3.4V~ DC 4.35V(Normal: DC 3.8V)
Extreme Temp. Tolerance:	-30°C to +50°C
Hardware version number:	J866B_610&310_D4F_V1.0
Software version number:	ROVER_R10_13_V01_20231201
<p>** Note: The High Voltage 4.35V and Low Voltage 3.4V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage, the antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.</p>	

2.1 EMISSION DESIGNATOR

Mode	Emission Designator (99%OBW)	
GPRS850	247KGXW	
EGPRS850	265KG7W	
GPRS1900	251KGXW	
EGPRS1900	248KG7W	
Mode	Emission Designator (99%OBW)	
WCDMA 850	4M16F9W	
WCDMA 1700	4M17F9W	
WCDMA 1900	4M18F9W	
LTE Band 2	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M09G7D	1M10W7D
3	2M70G7D	2M71W7D
5	4M53G7D	4M51W7D
10	8M98G7D	9M0W7D
15	13M5G7D	13M5W7D
20	18M0G7D	18M0W7D
LTE Band 4	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M09W7D
3	2M71G7D	2M70W7D
5	4M54G7D	4M51W7D
10	9M00G7D	9M00W7D
15	13M5G7D	13M5W7D
20	18M0G7D	18M0W7D
LTE Band 5	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M09G7D	1M10W7D
3	2M71G7D	2M70W7D
5	4M51G7D	4M52W7D
10	9M01G7D	9M01W7D
LTE Band 12	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M70G7D	2M72W7D
5	4M52G7D	4M51W7D
10	9M01G7D	9M01W7D
LTE Band 66	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M71G7D	2M71W7D
5	4M53G7D	4M51W7D
10	9M00G7D	8M98W7D
15	13M5G7D	13M5W7D
20	18M0G7D	18M1W7D

3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for GSM850 and WCDMA Band V.
2. 30 MHz to 10th harmonic for WCDMA Band IV.
3. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band II.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

BAND	TEST MODES	
	RADIATED TCS	CONDUCTED TCS
GPRS 850	GPRS/EDGE CLASS 12 LINK	GPRS/EDGE CLASS 12 LINK
GPRS 1900	GPRS/EDGE CLASS 12 LINK	GPRS/EDGE CLASS 12 LINK
WCDMA BAND V	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK
WCDMA BAND II	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK
WCDMA BAND IV	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK

LTE:

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v			v	v	v	v	v	v	v	v
	12	v	v	v	v			v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak&Avera Ratio	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v			v	v	v			v	v	v
	12	v	v	v	v			v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v			v	v	v
26dB&99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v			v	v			v	v	v	v
	12	v	v	v	v			v	v			v	v	v	v
	66	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v	v			v	v		v
	4	v	v	v	v	v	v	v	v			v	v		v
	5	v	v	v	v			v	v			v	v		v
	66	v	v	v	v	v	v	v	v			v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v		v	v	v	v
	5	v	v	v	v			v	v	v		v	v	v	v
	12	v	v	v	v			v	v	v		v	v	v	v
	66	v	v	v	v	v	v	v	v	v		v	v	v	v
Frequency Stability	2				v			v				v		v	
	4				v			v				v		v	
	5				v			v				v		v	
	12				v			v				v		v	
	66				v			v				v		v	
E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v			v	v	v	v	v	v	v	v
	12	v	v	v	v			v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	2	v	v	v	v	v	v	v		v			v	v	v
	4	v	v	v	v	v	v	v		v			v	v	v
	5	v	v	v	v			v		v			v	v	v
	12	v	v	v	v			v		v			v	v	v
	66	v	v	v	v	v	v	v		v			v	v	v

4 MEASUREMENT INSTRUMENTS

Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	CTA-308	2023/08/02	2024/08/01
LISN	R&S	ENV216	CTA-314	2023/08/02	2024/08/01
EMI Test Receiver	R&S	ESPI	CTA-307	2023/08/02	2024/08/01
EMI Test Receiver	R&S	ESCI	CTA-306	2023/08/02	2024/08/01
Spectrum Analyzer	Agilent	N9020A	CTA-301	2023/08/02	2024/08/01
Spectrum Analyzer	R&S	FSP	CTA-337	2023/08/02	2024/08/01
Vector Signal generator	Agilent	N5182A	CTA-305	2023/08/02	2024/08/01
Analog Signal Generator	R&S	SML03	CTA-304	2023/08/02	2024/08/01
WIDEBAND RADIO COMMUNICATION TESTER	CMW500	R&S	CTA-302	2023/08/02	2024/08/01
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2023/08/02	2024/08/01
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2023/10/17	2024/10/16
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2023/10/13	2024/10/12
Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2024/10/16
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2021/08/07	2024/08/06
Amplifier	Schwarzbeck	BBV 9745	CTA-312	2023/08/02	2024/08/01
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2023/08/02	2024/08/01
Directional coupler	NARDA	4226-10	CTA-303	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2023/08/02	2024/08/01
Automated filter bank	Tonscend	JS0806-F	CTA-404	2023/08/02	2024/08/01
Power Sensor	Agilent	U2021XA	CTA-405	2023/08/02	2024/08/01

Amplifier	Schwarzbeck	BBV9719	CTA-406	2023/08/02	2024/08/01
Test Equipment	Manufacturer	Model No.	Version number	Calibration Date	Calibration Due Date
EMI Test Software	Tonscend	TS@JS32-RE	5.0.0.2	N/A	N/A
EMI Test Software	Tonscend	TS@JS32-CE	5.0.0.1	N/A	N/A
RF Test Software	Tonscend	TS@JS1120-3	3.1.65	N/A	N/A
RF Test Software	Tonscend	TS@JS1120	3.1.46	N/A	N/A

5 TEST ITEMS

5.1 CONDUCTED OUTPUT POWER&TRANSMITTER RADIATED POWER

TEST OVERVIEW

CONDUCTED OUTPUT POWER:

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

TRANSMITTER RADIATED POWER (EIRP/ERP)

Determining ERP and/or EIRP from conducted RF output power measurements according to ANSI C63.26 2015 Section 5.2.5.5.

In many cases, RF output power limits are specified in terms of the ERP or the EIRP. Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are defined as the product of the power supplied to the antenna and its gain (relative to a dipole antenna in the case of ERP, and relative to an isotropic antenna in the case of EIRP); however, when working in decibels (i.e., logarithmic scale), the ERP and EIRP represent the sum of the transmit antenna gain (in dBd or dBi, respectively) and the conducted RF output power (expressed in dB relative to watts or milliwatts). The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$(1) \text{ ERP or EIRP} = \text{PMeas} + \text{GT}$$

$$\text{ERP} = \text{EIRP} - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as PMeas, e.g., dBm or dBW)

PMeas measured transmitter output power or PSD, in dBm or dBW

GT gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

For devices utilizing multiple antennas, see 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

The following equations demonstrate the mathematical relationship between ERP and EIRP:

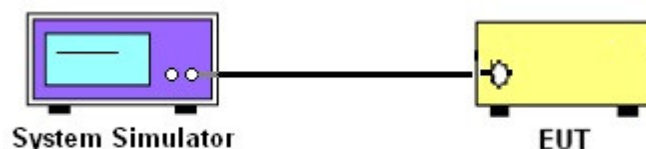
a) $\text{ERP} = \text{EIRP} - 2.15$, where ERP and EIRP are expressed in consistent units.

b) $\text{EIRP} = \text{ERP} + 2.15$, where ERP and EIRP are expressed in consistent units.

TEST PROCEDURES

1. The transmitter output port was connected to the system simulator.
2. Set eut at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

TEST SETUP



TEST RESULT

GSM 850							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit (W)	ERP Limit (dBm)	Conclusion
GPRS (GMSK,1-Slot)	824.2	33.19	-1.3	29.74	7.00	38.45	PASS
	836.6	33.29	-1.3	29.84	7.00	38.45	PASS
	848.8	33.30	-1.3	29.85	7.00	38.45	PASS
GPRS (GMSK,2-Slot)	824.2	31.10	-1.3	27.65	7.00	38.45	PASS
	836.6	31.13	-1.3	27.68	7.00	38.45	PASS
	848.8	31.11	-1.3	27.66	7.00	38.45	PASS
GPRS (GMSK,3-Slot)	824.2	29.16	-1.3	25.71	7.00	38.45	PASS
	836.6	29.17	-1.3	25.72	7.00	38.45	PASS
	848.8	29.15	-1.3	25.70	7.00	38.45	PASS
GPRS (GMSK,4-Slot)	824.2	26.99	-1.3	23.54	7.00	38.45	PASS
	836.6	27.00	-1.3	23.55	7.00	38.45	PASS
	848.8	27.02	-1.3	23.57	7.00	38.45	PASS
EGPRS (8PSK,1-Slot)	824.2	24.98	-1.3	21.53	7.00	38.45	PASS
	836.6	25.69	-1.3	22.24	7.00	38.45	PASS
	848.8	25.78	-1.3	22.33	7.00	38.45	PASS
EGPRS (8PSK,2-Slot)	824.2	24.35	-1.3	20.90	7.00	38.45	PASS
	836.6	25.22	-1.3	21.77	7.00	38.45	PASS
	848.8	24.95	-1.3	21.50	7.00	38.45	PASS
EGPRS (8PSK,3-Slot)	824.2	22.34	-1.3	18.89	7.00	38.45	PASS
	836.6	22.53	-1.3	19.08	7.00	38.45	PASS
	848.8	22.63	-1.3	19.18	7.00	38.45	PASS
EGPRS (8PSK,4-Slot)	824.2	19.63	-1.3	16.18	7.00	38.45	PASS
	836.6	20.57	-1.3	17.12	7.00	38.45	PASS
	848.8	20.03	-1.3	16.58	7.00	38.45	PASS

PCS 1900							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit (W)	EIRP Limit (dBm)	Conclusion
GPRS (GMSK,1-Slot)	1850.2	24.71	0.53	25.24	2.00	33.01	PASS
	1880.0	25.04	0.53	25.57	2.00	33.01	PASS
	1909.8	25.11	0.53	25.64	2.00	33.01	PASS
GPRS (GMSK,2-Slot)	1850.2	22.73	0.53	23.26	2.00	33.01	PASS
	1880.0	22.72	0.53	23.25	2.00	33.01	PASS
	1909.8	22.48	0.53	23.01	2.00	33.01	PASS
GPRS (GMSK,3-Slot)	1850.2	21.17	0.53	21.70	2.00	33.01	PASS
	1880.0	21.18	0.53	21.71	2.00	33.01	PASS
	1909.8	20.88	0.53	21.41	2.00	33.01	PASS
GPRS (GMSK,4-Slot)	1850.2	19.24	0.53	19.77	2.00	33.01	PASS
	1880.0	19.23	0.53	19.76	2.00	33.01	PASS
	1909.8	18.94	0.53	19.47	2.00	33.01	PASS
EGPRS (8PSK,1-Slot)	1850.2	25.71	0.53	26.24	2.00	33.01	PASS
	1880.0	25.16	0.53	25.69	2.00	33.01	PASS
	1909.8	25.17	0.53	25.70	2.00	33.01	PASS
EGPRS (8PSK,2-Slot)	1850.2	23.63	0.53	24.16	2.00	33.01	PASS
	1880.0	23.76	0.53	24.29	2.00	33.01	PASS
	1909.8	22.69	0.53	23.22	2.00	33.01	PASS
EGPRS (8PSK,3-Slot)	1850.2	21.42	0.53	21.95	2.00	33.01	PASS
	1880.0	21.47	0.53	22.00	2.00	33.01	PASS
	1909.8	21.14	0.53	21.67	2.00	33.01	PASS
EGPRS (8PSK,4-Slot)	1850.2	19.27	0.53	19.80	2.00	33.01	PASS
	1880.0	19.66	0.53	20.19	2.00	33.01	PASS
	1909.8	19.36	0.53	19.89	2.00	33.01	PASS

Radiated Power (EIRP) for WCDMA Band 2							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit (dBm)	Conclusion
WCDMA	1852.40	22.14	0.53	22.67	2.00	33.01	PASS
	1880.00	22.37	0.53	22.90	2.00	33.01	PASS
	1907.60	22.59	0.53	23.12	2.00	33.01	PASS
HSDPA Subtest 1	1852.40	22.17	0.53	22.70	2.00	33.01	PASS
	1880.00	21.74	0.53	22.27	2.00	33.01	PASS
	1907.60	21.55	0.53	22.08	2.00	33.01	PASS
HSDPA Subtest 2	1852.40	21.35	0.53	21.88	2.00	33.01	PASS
	1880.00	22.41	0.53	22.94	2.00	33.01	PASS
	1907.60	22.04	0.53	22.57	2.00	33.01	PASS
HSDPA Subtest 3	1852.40	21.88	0.53	22.41	2.00	33.01	PASS
	1880.00	21.69	0.53	22.22	2.00	33.01	PASS
	1907.60	22.17	0.53	22.70	2.00	33.01	PASS
HSDPA Subtest 4	1852.40	21.84	0.53	22.37	2.00	33.01	PASS
	1880.00	21.57	0.53	22.10	2.00	33.01	PASS
	1907.60	21.60	0.53	22.13	2.00	33.01	PASS
HSUPA Subtest 1	1852.40	21.83	0.53	22.36	2.00	33.01	PASS
	1880.00	22.03	0.53	22.56	2.00	33.01	PASS
	1907.60	21.59	0.53	22.12	2.00	33.01	PASS
HSUPA Subtest 2	1852.40	22.05	0.53	22.58	2.00	33.01	PASS
	1880.00	21.76	0.53	22.29	2.00	33.01	PASS
	1907.60	22.07	0.53	22.60	2.00	33.01	PASS
HSUPA Subtest 3	1852.40	22.32	0.53	22.85	2.00	33.01	PASS
	1880.00	22.30	0.53	22.83	2.00	33.01	PASS
	1907.60	22.34	0.53	22.87	2.00	33.01	PASS
HSUPA Subtest 4	1852.40	22.08	0.53	22.61	2.00	33.01	PASS
	1880.00	22.00	0.53	22.53	2.00	33.01	PASS
	1907.60	22.16	0.53	22.69	2.00	33.01	PASS
HSUPA Subtest 5	1852.40	21.64	0.53	22.17	2.00	33.01	PASS
	1880.00	22.16	0.53	22.69	2.00	33.01	PASS
	1907.60	21.94	0.53	22.47	2.00	33.01	PASS

Radiated Power (EIRP) for WCDMA Band 4							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit (dBm)	Conclusion
WCDMA	1712.40	22.50	0.96	23.46	1.00	30.00	PASS
	1740.00	22.68	0.96	23.64	1.00	30.00	PASS
	1752.60	23.40	0.96	24.36	1.00	30.00	PASS
HSDPA Subtest 1	1712.40	22.85	0.96	23.81	1.00	30.00	PASS
	1740.00	22.44	0.96	23.40	1.00	30.00	PASS
	1752.60	22.22	0.96	23.18	1.00	30.00	PASS
HSDPA Subtest 2	1712.40	22.08	0.96	23.04	1.00	30.00	PASS
	1740.00	22.40	0.96	23.36	1.00	30.00	PASS
	1752.60	23.07	0.96	24.03	1.00	30.00	PASS
HSDPA Subtest 3	1712.40	22.51	0.96	23.47	1.00	30.00	PASS
	1740.00	22.52	0.96	23.48	1.00	30.00	PASS
	1752.60	22.85	0.96	23.81	1.00	30.00	PASS
HSDPA Subtest 4	1712.40	22.69	0.96	23.65	1.00	30.00	PASS
	1740.00	22.28	0.96	23.24	1.00	30.00	PASS
	1752.60	22.22	0.96	23.18	1.00	30.00	PASS
HSUPA Subtest 1	1712.40	22.70	0.96	23.66	1.00	30.00	PASS
	1740.00	22.58	0.96	23.54	1.00	30.00	PASS
	1752.60	22.18	0.96	23.14	1.00	30.00	PASS
HSUPA Subtest 2	1712.40	22.64	0.96	23.60	1.00	30.00	PASS
	1740.00	22.47	0.96	23.43	1.00	30.00	PASS
	1752.60	23.24	0.96	24.20	1.00	30.00	PASS
HSUPA Subtest 3	1712.40	23.21	0.96	24.17	1.00	30.00	PASS
	1740.00	22.75	0.96	23.71	1.00	30.00	PASS
	1752.60	23.35	0.96	24.31	1.00	30.00	PASS
HSUPA Subtest 4	1712.40	23.01	0.96	23.97	1.00	30.00	PASS
	1740.00	22.71	0.96	23.67	1.00	30.00	PASS
	1752.60	22.71	0.96	23.67	1.00	30.00	PASS
HSUPA Subtest 5	1712.40	22.54	0.96	23.50	1.00	30.00	PASS
	1740.00	22.78	0.96	23.74	1.00	30.00	PASS
	1752.60	22.61	0.96	23.57	1.00	30.00	PASS

Radiated Power (ERP) for WCDMA Band 5							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit (dBm)	Conclusion
WCDMA	826.40	23.25	-1.30	19.80	7.00	38.45	PASS
	836.40	23.08	-1.30	19.63	7.00	38.45	PASS
	846.60	23.05	-1.30	19.60	7.00	38.45	PASS
HSDPA Subtest 1	826.40	22.88	-1.30	19.43	7.00	38.45	PASS
	836.40	22.51	-1.30	19.06	7.00	38.45	PASS
	846.60	21.77	-1.30	18.32	7.00	38.45	PASS
HSDPA Subtest 2	826.40	21.68	-1.30	18.23	7.00	38.45	PASS
	836.40	22.90	-1.30	19.45	7.00	38.45	PASS
	846.60	22.68	-1.30	19.23	7.00	38.45	PASS
HSDPA Subtest 3	826.40	22.28	-1.30	18.83	7.00	38.45	PASS
	836.40	22.14	-1.30	18.69	7.00	38.45	PASS
	846.60	23.16	-1.30	19.71	7.00	38.45	PASS
HSDPA Subtest 4	826.40	22.81	-1.30	19.36	7.00	38.45	PASS
	836.40	22.37	-1.30	18.92	7.00	38.45	PASS
	846.60	22.35	-1.30	18.90	7.00	38.45	PASS
HSUPA Subtest 1	826.40	22.52	-1.30	19.07	7.00	38.45	PASS
	836.40	22.54	-1.30	19.09	7.00	38.45	PASS
	846.60	22.51	-1.30	19.06	7.00	38.45	PASS
HSUPA Subtest 2	826.40	22.63	-1.30	19.18	7.00	38.45	PASS
	836.40	22.22	-1.30	18.77	7.00	38.45	PASS
	846.60	22.66	-1.30	19.21	7.00	38.45	PASS
HSUPA Subtest 3	826.40	22.77	-1.30	19.32	7.00	38.45	PASS
	836.40	22.19	-1.30	18.74	7.00	38.45	PASS
	846.60	22.75	-1.30	19.30	7.00	38.45	PASS
HSUPA Subtest 4	826.40	22.42	-1.30	18.97	7.00	38.45	PASS
	836.40	22.78	-1.30	19.33	7.00	38.45	PASS
	846.60	22.88	-1.30	19.43	7.00	38.45	PASS
HSUPA Subtest 5	826.40	22.72	-1.30	19.27	7.00	38.45	PASS
	836.40	22.88	-1.30	19.43	7.00	38.45	PASS
	846.60	22.65	-1.30	19.20	7.00	38.45	PASS

Radiated Power (EIRP) for LTE Band 2 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	22.74	0.53	23.27	2.00	33.01	PASS
		1	2		22.78	0.53	23.31	2.00	33.01	PASS
		1	5		22.86	0.53	23.39	2.00	33.01	PASS
		3	0		22.70	0.53	23.23	2.00	33.01	PASS
		3	1		22.66	0.53	23.19	2.00	33.01	PASS
		3	2		22.70	0.53	23.23	2.00	33.01	PASS
		6	0	21.72	0.53	22.25	2.00	33.01	PASS	
		1	0	16QAM	22.82	0.53	23.35	2.00	33.01	PASS
		1	2		22.71	0.53	23.24	2.00	33.01	PASS
		1	5		22.62	0.53	23.15	2.00	33.01	PASS
		3	0		21.98	0.53	22.51	2.00	33.01	PASS
		3	1		21.93	0.53	22.46	2.00	33.01	PASS
	3	2	21.99		0.53	22.52	2.00	33.01	PASS	
	6	0	20.87	0.53	21.40	2.00	33.01	PASS		
	Middle	QPSK	1	0	22.75	0.53	23.28	2.00	33.01	PASS
			1	2	22.73	0.53	23.26	2.00	33.01	PASS
			1	5	22.67	0.53	23.20	2.00	33.01	PASS
			3	0	22.93	0.53	23.46	2.00	33.01	PASS
			3	1	22.88	0.53	23.41	2.00	33.01	PASS
			3	2	22.89	0.53	23.42	2.00	33.01	PASS
		6	0	21.84	0.53	22.37	2.00	33.01	PASS	
		16QAM	1	0	21.81	0.53	22.34	2.00	33.01	PASS
			1	2	21.87	0.53	22.40	2.00	33.01	PASS
			1	5	21.81	0.53	22.34	2.00	33.01	PASS
			3	0	21.99	0.53	22.52	2.00	33.01	PASS
			3	1	21.86	0.53	22.39	2.00	33.01	PASS
	3		2	21.95	0.53	22.48	2.00	33.01	PASS	
	6	0	20.82	0.53	21.35	2.00	33.01	PASS		
	Highest	QPSK	1	0	22.99	0.53	23.52	2.00	33.01	PASS
			1	2	23.06	0.53	23.59	2.00	33.01	PASS
			1	5	23.11	0.53	23.64	2.00	33.01	PASS
			3	0	22.98	0.53	23.51	2.00	33.01	PASS
			3	1	23.01	0.53	23.54	2.00	33.01	PASS
			3	2	22.98	0.53	23.51	2.00	33.01	PASS
		6	0	22.08	0.53	22.61	2.00	33.01	PASS	
		16QAM	1	0	22.42	0.53	22.95	2.00	33.01	PASS
1			2	22.29	0.53	22.82	2.00	33.01	PASS	
1			5	22.42	0.53	22.95	2.00	33.01	PASS	
3			0	22.48	0.53	23.01	2.00	33.01	PASS	
3			1	22.49	0.53	23.02	2.00	33.01	PASS	
3	2		22.48	0.53	23.01	2.00	33.01	PASS		
6	0	21.27	0.53	21.80	2.00	33.01	PASS			

Radiated Power (EIRP) for LTE Band 2 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	22.64	0.53	23.17	2.00	33.01	PASS
		1	7		22.63	0.53	23.16	2.00	33.01	PASS
		1	14		22.53	0.53	23.06	2.00	33.01	PASS
		8	0		21.84	0.53	22.37	2.00	33.01	PASS
		8	4		21.76	0.53	22.29	2.00	33.01	PASS
		8	7		21.58	0.53	22.11	2.00	33.01	PASS
		15	0	21.80	0.53	22.33	2.00	33.01	PASS	
		1	0	22.84	0.53	23.37	2.00	33.01	PASS	
		1	7	22.76	0.53	23.29	2.00	33.01	PASS	
		1	14	22.67	0.53	23.20	2.00	33.01	PASS	
		8	0	20.67	0.53	21.20	2.00	33.01	PASS	
		8	4	20.86	0.53	21.39	2.00	33.01	PASS	
		8	7	20.62	0.53	21.15	2.00	33.01	PASS	
		15	0	20.91	0.53	21.44	2.00	33.01	PASS	
		1	0	22.75	0.53	23.28	2.00	33.01	PASS	
	1	7	22.75	0.53	23.28	2.00	33.01	PASS		
	1	14	22.78	0.53	23.31	2.00	33.01	PASS		
	8	0	21.87	0.53	22.40	2.00	33.01	PASS		
	8	4	21.88	0.53	22.41	2.00	33.01	PASS		
	8	7	21.81	0.53	22.34	2.00	33.01	PASS		
	15	0	21.85	0.53	22.38	2.00	33.01	PASS		
	1	0	21.81	0.53	22.34	2.00	33.01	PASS		
	1	7	21.90	0.53	22.43	2.00	33.01	PASS		
	1	14	21.90	0.53	22.43	2.00	33.01	PASS		
	8	0	20.99	0.53	21.52	2.00	33.01	PASS		
	8	4	21.01	0.53	21.54	2.00	33.01	PASS		
	8	7	20.92	0.53	21.45	2.00	33.01	PASS		
	15	0	20.91	0.53	21.44	2.00	33.01	PASS		
	1	0	22.97	0.53	23.50	2.00	33.01	PASS		
	1	7	23.08	0.53	23.61	2.00	33.01	PASS		
	1	14	23.07	0.53	23.60	2.00	33.01	PASS		
	8	0	21.95	0.53	22.48	2.00	33.01	PASS		
	8	4	22.03	0.53	22.56	2.00	33.01	PASS		
	8	7	22.11	0.53	22.64	2.00	33.01	PASS		
	15	0	22.11	0.53	22.64	2.00	33.01	PASS		
	1	0	22.36	0.53	22.89	2.00	33.01	PASS		
	1	7	22.43	0.53	22.96	2.00	33.01	PASS		
	1	14	22.44	0.53	22.97	2.00	33.01	PASS		
	8	0	21.10	0.53	21.63	2.00	33.01	PASS		
	8	4	21.19	0.53	21.72	2.00	33.01	PASS		
	8	7	21.15	0.53	21.68	2.00	33.01	PASS		
	15	0	21.21	0.53	21.74	2.00	33.01	PASS		

Radiated Power (EIRP) for LTE Band 2 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	22.74	0.53	23.27	2.00	33.01	PASS
		1	12		22.64	0.53	23.17	2.00	33.01	PASS
		1	24		22.56	0.53	23.09	2.00	33.01	PASS
		12	0		21.80	0.53	22.33	2.00	33.01	PASS
		12	6		21.61	0.53	22.14	2.00	33.01	PASS
		12	11		21.56	0.53	22.09	2.00	33.01	PASS
		25	0	21.70	0.53	22.23	2.00	33.01	PASS	
		1	0	21.42	0.53	21.95	2.00	33.01	PASS	
		1	12	21.36	0.53	21.89	2.00	33.01	PASS	
		1	24	21.36	0.53	21.89	2.00	33.01	PASS	
		12	0	20.64	0.53	21.17	2.00	33.01	PASS	
		12	6	20.56	0.53	21.09	2.00	33.01	PASS	
	12	11	20.67	0.53	21.20	2.00	33.01	PASS		
	25	0	20.71	0.53	21.24	2.00	33.01	PASS		
	1	0	22.77	0.53	23.30	2.00	33.01	PASS		
	1	12	22.82	0.53	23.35	2.00	33.01	PASS		
	1	24	22.81	0.53	23.34	2.00	33.01	PASS		
	12	0	21.79	0.53	22.32	2.00	33.01	PASS		
	12	6	21.89	0.53	22.42	2.00	33.01	PASS		
	12	11	21.86	0.53	22.39	2.00	33.01	PASS		
	25	0	21.95	0.53	22.48	2.00	33.01	PASS		
	1	0	21.81	0.53	22.34	2.00	33.01	PASS		
	1	12	21.82	0.53	22.35	2.00	33.01	PASS		
	1	24	21.94	0.53	22.47	2.00	33.01	PASS		
	12	0	20.92	0.53	21.45	2.00	33.01	PASS		
	12	6	20.91	0.53	21.44	2.00	33.01	PASS		
	12	11	20.86	0.53	21.39	2.00	33.01	PASS		
	25	0	20.84	0.53	21.37	2.00	33.01	PASS		
	1	0	22.89	0.53	23.42	2.00	33.01	PASS		
	1	12	22.86	0.53	23.39	2.00	33.01	PASS		
	1	24	23.01	0.53	23.54	2.00	33.01	PASS		
	12	0	21.98	0.53	22.51	2.00	33.01	PASS		
	12	6	21.97	0.53	22.50	2.00	33.01	PASS		
	12	11	22.10	0.53	22.63	2.00	33.01	PASS		
	25	0	21.94	0.53	22.47	2.00	33.01	PASS		
	1	0	22.10	0.53	22.63	2.00	33.01	PASS		
1	12	22.16	0.53	22.69	2.00	33.01	PASS			
1	24	22.09	0.53	22.62	2.00	33.01	PASS			
12	0	21.04	0.53	21.57	2.00	33.01	PASS			
12	6	21.02	0.53	21.55	2.00	33.01	PASS			
12	11	21.04	0.53	21.57	2.00	33.01	PASS			
25	0	21.19	0.53	21.72	2.00	33.01	PASS			

Radiated Power (EIRP) for LTE Band 2 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	22.72	0.53	23.25	2.00	33.01	PASS
		1	24		22.63	0.53	23.16	2.00	33.01	PASS
		1	49		22.72	0.53	23.25	2.00	33.01	PASS
		25	0		21.63	0.53	22.16	2.00	33.01	PASS
		25	12		21.62	0.53	22.15	2.00	33.01	PASS
		25	24		21.77	0.53	22.30	2.00	33.01	PASS
		50	0	21.71	0.53	22.24	2.00	33.01	PASS	
		1	0	16QAM	22.87	0.53	23.40	2.00	33.01	PASS
		1	24		22.76	0.53	23.29	2.00	33.01	PASS
		1	49		22.85	0.53	23.38	2.00	33.01	PASS
		25	0		20.67	0.53	21.20	2.00	33.01	PASS
		25	12		20.68	0.53	21.21	2.00	33.01	PASS
		25	24		20.72	0.53	21.25	2.00	33.01	PASS
		50	0	20.71	0.53	21.24	2.00	33.01	PASS	
		1	0	QPSK	23.00	0.53	23.53	2.00	33.01	PASS
	1	24	23.01		0.53	23.54	2.00	33.01	PASS	
	1	49	22.98		0.53	23.51	2.00	33.01	PASS	
	25	0	21.77		0.53	22.30	2.00	33.01	PASS	
	25	12	21.75		0.53	22.28	2.00	33.01	PASS	
	25	24	21.82		0.53	22.35	2.00	33.01	PASS	
	50	0	21.79	0.53	22.32	2.00	33.01	PASS		
	1	0	16QAM	22.01	0.53	22.54	2.00	33.01	PASS	
	1	24		21.94	0.53	22.47	2.00	33.01	PASS	
	1	49		21.91	0.53	22.44	2.00	33.01	PASS	
	25	0		20.95	0.53	21.48	2.00	33.01	PASS	
	25	12		20.94	0.53	21.47	2.00	33.01	PASS	
	25	24		21.02	0.53	21.55	2.00	33.01	PASS	
	50	0	20.99	0.53	21.52	2.00	33.01	PASS		
	1	0	QPSK	22.98	0.53	23.51	2.00	33.01	PASS	
	1	24		23.05	0.53	23.58	2.00	33.01	PASS	
	1	49		23.10	0.53	23.63	2.00	33.01	PASS	
	25	0		21.87	0.53	22.40	2.00	33.01	PASS	
	25	12		22.01	0.53	22.54	2.00	33.01	PASS	
	25	24		22.09	0.53	22.62	2.00	33.01	PASS	
	50	0	22.01	0.53	22.54	2.00	33.01	PASS		
	1	0	16QAM	21.92	0.53	22.45	2.00	33.01	PASS	
1	24	21.93		0.53	22.46	2.00	33.01	PASS		
1	49	22.07		0.53	22.60	2.00	33.01	PASS		
25	0	21.00		0.53	21.53	2.00	33.01	PASS		
25	12	21.10		0.53	21.63	2.00	33.01	PASS		
25	24	21.08		0.53	21.61	2.00	33.01	PASS		
50	0	21.12	0.53	21.65	2.00	33.01	PASS			

Radiated Power (EIRP) for LTE Band 2 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	22.80	0.53	23.33	2.00	33.01	PASS
		1	37		22.80	0.53	23.33	2.00	33.01	PASS
		1	74		22.80	0.53	23.33	2.00	33.01	PASS
		36	0		21.74	0.53	22.27	2.00	33.01	PASS
		36	18		21.62	0.53	22.15	2.00	33.01	PASS
		36	39		21.63	0.53	22.16	2.00	33.01	PASS
		75	0	21.70	0.53	22.23	2.00	33.01	PASS	
		1	0	16QAM	21.83	0.53	22.36	2.00	33.01	PASS
		1	37		21.73	0.53	22.26	2.00	33.01	PASS
		1	74		21.80	0.53	22.33	2.00	33.01	PASS
		36	0		20.87	0.53	21.40	2.00	33.01	PASS
		36	18		20.88	0.53	21.41	2.00	33.01	PASS
		36	39		20.98	0.53	21.51	2.00	33.01	PASS
		75	0	20.77	0.53	21.30	2.00	33.01	PASS	
		Middle	QPSK	1	0	22.78	0.53	23.31	2.00	33.01
	1			37	22.80	0.53	23.33	2.00	33.01	PASS
	1			74	22.79	0.53	23.32	2.00	33.01	PASS
	36			0	21.89	0.53	22.42	2.00	33.01	PASS
	36			18	21.78	0.53	22.31	2.00	33.01	PASS
	36			39	21.93	0.53	22.46	2.00	33.01	PASS
	75		0	21.77	0.53	22.30	2.00	33.01	PASS	
	16QAM		1	0	22.70	0.53	23.23	2.00	33.01	PASS
			1	37	22.70	0.53	23.23	2.00	33.01	PASS
			1	74	22.72	0.53	23.25	2.00	33.01	PASS
			36	0	20.88	0.53	21.41	2.00	33.01	PASS
			36	18	20.88	0.53	21.41	2.00	33.01	PASS
			36	39	20.95	0.53	21.48	2.00	33.01	PASS
	75		0	20.97	0.53	21.50	2.00	33.01	PASS	
	Highest		QPSK	1	0	22.81	0.53	23.34	2.00	33.01
		1		37	22.83	0.53	23.36	2.00	33.01	PASS
		1		74	22.92	0.53	23.45	2.00	33.01	PASS
		36		0	21.95	0.53	22.48	2.00	33.01	PASS
		36		18	21.98	0.53	22.51	2.00	33.01	PASS
		36		39	21.97	0.53	22.50	2.00	33.01	PASS
		75	0	21.97	0.53	22.50	2.00	33.01	PASS	
		16QAM	1	0	22.90	0.53	23.43	2.00	33.01	PASS
1			37	22.98	0.53	23.51	2.00	33.01	PASS	
1			74	23.13	0.53	23.66	2.00	33.01	PASS	
36			0	21.00	0.53	21.53	2.00	33.01	PASS	
36			18	21.07	0.53	21.60	2.00	33.01	PASS	
36			39	21.15	0.53	21.68	2.00	33.01	PASS	
75		0	20.98	0.53	21.51	2.00	33.01	PASS		

Radiated Power (EIRP) for LTE Band 2 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	22.69	0.53	23.22	2.00	33.01	PASS
		1	49		22.65	0.53	23.18	2.00	33.01	PASS
		1	99		22.81	0.53	23.34	2.00	33.01	PASS
		50	0		21.67	0.53	22.20	2.00	33.01	PASS
		50	24		21.82	0.53	22.35	2.00	33.01	PASS
		50	49		21.85	0.53	22.38	2.00	33.01	PASS
		100	0	21.61	0.53	22.14	2.00	33.01	PASS	
		1	0	16QAM	21.43	0.53	21.96	2.00	33.01	PASS
		1	49		21.42	0.53	21.95	2.00	33.01	PASS
		1	99		21.49	0.53	22.02	2.00	33.01	PASS
		50	0		20.78	0.53	21.31	2.00	33.01	PASS
		50	24		20.83	0.53	21.36	2.00	33.01	PASS
	50	49	20.94		0.53	21.47	2.00	33.01	PASS	
	100	0	20.82	0.53	21.35	2.00	33.01	PASS		
	Middle	QPSK	1	0	22.90	0.53	23.43	2.00	33.01	PASS
			1	49	22.96	0.53	23.49	2.00	33.01	PASS
			1	99	22.88	0.53	23.41	2.00	33.01	PASS
			50	0	22.00	0.53	22.53	2.00	33.01	PASS
			50	24	21.81	0.53	22.34	2.00	33.01	PASS
			50	49	21.86	0.53	22.39	2.00	33.01	PASS
		100	0	21.83	0.53	22.36	2.00	33.01	PASS	
		16QAM	1	0	21.46	0.53	21.99	2.00	33.01	PASS
			1	49	21.53	0.53	22.06	2.00	33.01	PASS
			1	99	21.62	0.53	22.15	2.00	33.01	PASS
			50	0	20.92	0.53	21.45	2.00	33.01	PASS
			50	24	20.95	0.53	21.48	2.00	33.01	PASS
	50		49	20.98	0.53	21.51	2.00	33.01	PASS	
	100	0	20.85	0.53	21.38	2.00	33.01	PASS		
	Highest	QPSK	1	0	23.02	0.53	23.55	2.00	33.01	PASS
			1	49	23.03	0.53	23.56	2.00	33.01	PASS
			1	99	23.16	0.53	23.69	2.00	33.01	PASS
			50	0	21.76	0.53	22.29	2.00	33.01	PASS
			50	24	22.01	0.53	22.54	2.00	33.01	PASS
			50	49	21.95	0.53	22.48	2.00	33.01	PASS
		100	0	22.05	0.53	22.58	2.00	33.01	PASS	
		16QAM	1	0	21.82	0.53	22.35	2.00	33.01	PASS
1			49	21.88	0.53	22.41	2.00	33.01	PASS	
1			99	22.02	0.53	22.55	2.00	33.01	PASS	
50			0	20.88	0.53	21.41	2.00	33.01	PASS	
50			24	21.05	0.53	21.58	2.00	33.01	PASS	
50	49		21.06	0.53	21.59	2.00	33.01	PASS		
100	0	21.07	0.53	21.60	2.00	33.01	PASS			

Radiated Power (EIRP) for LTE Band 4 /1.4M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict	
1.4	Lowest	1	0	QPSK	22.41	0.96	23.37	1.00	30.00	PASS	
		1	2		22.45	0.96	23.41	1.00	30.00	PASS	
		1	5		22.48	0.96	23.44	1.00	30.00	PASS	
		3	0		22.36	0.96	23.32	1.00	30.00	PASS	
		3	1		22.42	0.96	23.38	1.00	30.00	PASS	
		3	2		22.34	0.96	23.30	1.00	30.00	PASS	
		6	0	21.39	0.96	22.35	1.00	30.00	PASS		
		1	0	16QAM	22.35	0.96	23.31	1.00	30.00	PASS	
		1	2		22.38	0.96	23.34	1.00	30.00	PASS	
		1	5		22.43	0.96	23.39	1.00	30.00	PASS	
		3	0		21.57	0.96	22.53	1.00	30.00	PASS	
		3	1		21.57	0.96	22.53	1.00	30.00	PASS	
		3	2		21.54	0.96	22.50	1.00	30.00	PASS	
		6	0	20.55	0.96	21.51	1.00	30.00	PASS		
		Middle	QPSK	1	0	22.31	0.96	23.27	1.00	30.00	PASS
	1			2	22.37	0.96	23.33	1.00	30.00	PASS	
	1			5	22.30	0.96	23.26	1.00	30.00	PASS	
	3			0	22.39	0.96	23.35	1.00	30.00	PASS	
	3			1	22.46	0.96	23.42	1.00	30.00	PASS	
	3			2	22.42	0.96	23.38	1.00	30.00	PASS	
	6		0	21.37	0.96	22.33	1.00	30.00	PASS		
	16QAM		1	0	22.21	0.96	23.17	1.00	30.00	PASS	
			1	2	22.21	0.96	23.17	1.00	30.00	PASS	
			1	5	22.25	0.96	23.21	1.00	30.00	PASS	
			3	0	21.58	0.96	22.54	1.00	30.00	PASS	
			3	1	21.58	0.96	22.54	1.00	30.00	PASS	
			3	2	21.59	0.96	22.55	1.00	30.00	PASS	
			6	0	20.43	0.96	21.39	1.00	30.00	PASS	
			Highest	QPSK	1	0	22.62	0.96	23.58	1.00	30.00
		1			2	22.67	0.96	23.63	1.00	30.00	PASS
	1	5			22.61	0.96	23.57	1.00	30.00	PASS	
	3	0			22.35	0.96	23.31	1.00	30.00	PASS	
	3	1			22.31	0.96	23.27	1.00	30.00	PASS	
	3	2			22.38	0.96	23.34	1.00	30.00	PASS	
	6	0		21.47	0.96	22.43	1.00	30.00	PASS		
	16QAM	1		0	21.91	0.96	22.87	1.00	30.00	PASS	
1		2		21.95	0.96	22.91	1.00	30.00	PASS		
1		5		21.82	0.96	22.78	1.00	30.00	PASS		
3		0		21.80	0.96	22.76	1.00	30.00	PASS		
3		1		21.73	0.96	22.69	1.00	30.00	PASS		
3		2		21.74	0.96	22.70	1.00	30.00	PASS		
6		0		20.57	0.96	21.53	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 4 /3M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict	
3	Lowest	1	0	QPSK	22.26	0.96	23.22	1.00	30.00	PASS	
		1	7		22.31	0.96	23.27	1.00	30.00	PASS	
		1	14		22.26	0.96	23.22	1.00	30.00	PASS	
		8	0		21.41	0.96	22.37	1.00	30.00	PASS	
		8	4		21.42	0.96	22.38	1.00	30.00	PASS	
		8	7		21.34	0.96	22.30	1.00	30.00	PASS	
		15	0	21.37	0.96	22.33	1.00	30.00	PASS		
		1	0	16QAM	22.46	0.96	23.42	1.00	30.00	PASS	
		1	7		22.48	0.96	23.44	1.00	30.00	PASS	
		1	14		22.44	0.96	23.40	1.00	30.00	PASS	
		8	0		20.33	0.96	21.29	1.00	30.00	PASS	
		8	4		20.37	0.96	21.33	1.00	30.00	PASS	
		8	7		20.41	0.96	21.37	1.00	30.00	PASS	
		15	0	20.58	0.96	21.54	1.00	30.00	PASS		
		Middle	QPSK	1	0	22.36	0.96	23.32	1.00	30.00	PASS
	1			7	22.37	0.96	23.33	1.00	30.00	PASS	
	1			14	22.30	0.96	23.26	1.00	30.00	PASS	
	8			0	21.36	0.96	22.32	1.00	30.00	PASS	
	8			4	21.46	0.96	22.42	1.00	30.00	PASS	
	8			7	21.48	0.96	22.44	1.00	30.00	PASS	
	15		0	21.43	0.96	22.39	1.00	30.00	PASS		
	16QAM		1	0	22.24	0.96	23.20	1.00	30.00	PASS	
			1	7	22.20	0.96	23.16	1.00	30.00	PASS	
			1	14	22.11	0.96	23.07	1.00	30.00	PASS	
			8	0	20.74	0.96	21.70	1.00	30.00	PASS	
			8	4	20.81	0.96	21.77	1.00	30.00	PASS	
			8	7	20.73	0.96	21.69	1.00	30.00	PASS	
			15	0	20.53	0.96	21.49	1.00	30.00	PASS	
			Highest	QPSK	1	0	22.55	0.96	23.51	1.00	30.00
		1			7	22.70	0.96	23.66	1.00	30.00	PASS
	1	14			22.73	0.96	23.69	1.00	30.00	PASS	
	8	0			21.33	0.96	22.29	1.00	30.00	PASS	
	8	4			21.34	0.96	22.30	1.00	30.00	PASS	
	8	7			21.24	0.96	22.20	1.00	30.00	PASS	
	15	0		21.41	0.96	22.37	1.00	30.00	PASS		
	16QAM	1		0	21.83	0.96	22.79	1.00	30.00	PASS	
1		7		21.91	0.96	22.87	1.00	30.00	PASS		
1		14		21.95	0.96	22.91	1.00	30.00	PASS		
8		0		20.38	0.96	21.34	1.00	30.00	PASS		
8		4		20.36	0.96	21.32	1.00	30.00	PASS		
8		7		20.42	0.96	21.38	1.00	30.00	PASS		
15		0		20.41	0.96	21.37	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 4 /5M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict	
5	Lowest	1	0	QPSK	22.19	0.96	23.15	1.00	30.00	PASS	
		1	12		22.20	0.96	23.16	1.00	30.00	PASS	
		1	24		22.34	0.96	23.30	1.00	30.00	PASS	
		12	0		21.43	0.96	22.39	1.00	30.00	PASS	
		12	6		21.39	0.96	22.35	1.00	30.00	PASS	
		12	11		21.40	0.96	22.36	1.00	30.00	PASS	
		25	0	21.46	0.96	22.42	1.00	30.00	PASS		
		1	0	16QAM	21.56	0.96	22.52	1.00	30.00	PASS	
		1	12		21.55	0.96	22.51	1.00	30.00	PASS	
		1	24		21.60	0.96	22.56	1.00	30.00	PASS	
		12	0		20.44	0.96	21.40	1.00	30.00	PASS	
		12	6		20.43	0.96	21.39	1.00	30.00	PASS	
		12	11		20.36	0.96	21.32	1.00	30.00	PASS	
		25	0	20.52	0.96	21.48	1.00	30.00	PASS		
		Middle	QPSK	1	0	22.41	0.96	23.37	1.00	30.00	PASS
	1			12	22.38	0.96	23.34	1.00	30.00	PASS	
	1			24	22.45	0.96	23.41	1.00	30.00	PASS	
	12			0	21.43	0.96	22.39	1.00	30.00	PASS	
	12			6	21.38	0.96	22.34	1.00	30.00	PASS	
	12			11	21.35	0.96	22.31	1.00	30.00	PASS	
	25		0	21.44	0.96	22.40	1.00	30.00	PASS		
	16QAM		1	0	21.14	0.96	22.10	1.00	30.00	PASS	
			1	12	21.17	0.96	22.13	1.00	30.00	PASS	
			1	24	21.13	0.96	22.09	1.00	30.00	PASS	
			12	0	20.44	0.96	21.40	1.00	30.00	PASS	
			12	6	20.39	0.96	21.35	1.00	30.00	PASS	
			12	11	20.36	0.96	21.32	1.00	30.00	PASS	
			25	0	20.59	0.96	21.55	1.00	30.00	PASS	
			Highest	QPSK	1	0	22.27	0.96	23.23	1.00	30.00
		1			12	22.22	0.96	23.18	1.00	30.00	PASS
	1	24			22.34	0.96	23.30	1.00	30.00	PASS	
	12	0			21.37	0.96	22.33	1.00	30.00	PASS	
	12	6			21.33	0.96	22.29	1.00	30.00	PASS	
	12	11			21.32	0.96	22.28	1.00	30.00	PASS	
	25	0		21.43	0.96	22.39	1.00	30.00	PASS		
	16QAM	1		0	21.41	0.96	22.37	1.00	30.00	PASS	
1		12		21.42	0.96	22.38	1.00	30.00	PASS		
1		24		22.55	0.96	23.51	1.00	30.00	PASS		
12		0		20.45	0.96	21.41	1.00	30.00	PASS		
12		6		20.39	0.96	21.35	1.00	30.00	PASS		
12		11		20.42	0.96	21.38	1.00	30.00	PASS		
25		0		20.46	0.96	21.42	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 4 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	22.34	0.96	23.30	1.00	30.00	PASS
		1	24		22.37	0.96	23.33	1.00	30.00	PASS
		1	49		22.46	0.96	23.42	1.00	30.00	PASS
		25	0		21.29	0.96	22.25	1.00	30.00	PASS
		25	12		21.47	0.96	22.43	1.00	30.00	PASS
		25	24		21.56	0.96	22.52	1.00	30.00	PASS
		50	0	21.53	0.96	22.49	1.00	30.00	PASS	
		1	0	16QAM	22.56	0.96	23.52	1.00	30.00	PASS
		1	24		22.62	0.96	23.58	1.00	30.00	PASS
		1	49		22.65	0.96	23.61	1.00	30.00	PASS
		25	0		20.40	0.96	21.36	1.00	30.00	PASS
		25	12		20.31	0.96	21.27	1.00	30.00	PASS
		25	24		20.45	0.96	21.41	1.00	30.00	PASS
		50	0	20.49	0.96	21.45	1.00	30.00	PASS	
		1	0	QPSK	22.64	0.96	23.60	1.00	30.00	PASS
	1	24	22.59		0.96	23.55	1.00	30.00	PASS	
	1	49	22.48		0.96	23.44	1.00	30.00	PASS	
	25	0	21.58		0.96	22.54	1.00	30.00	PASS	
	25	12	21.52		0.96	22.48	1.00	30.00	PASS	
	25	24	21.39		0.96	22.35	1.00	30.00	PASS	
	50	0	21.40	0.96	22.36	1.00	30.00	PASS		
	1	0	16QAM	21.48	0.96	22.44	1.00	30.00	PASS	
	1	24		21.48	0.96	22.44	1.00	30.00	PASS	
	1	49		21.38	0.96	22.34	1.00	30.00	PASS	
	25	0		20.59	0.96	21.55	1.00	30.00	PASS	
	25	12		20.60	0.96	21.56	1.00	30.00	PASS	
	25	24		20.54	0.96	21.50	1.00	30.00	PASS	
	50	0	20.60	0.96	21.56	1.00	30.00	PASS		
	1	0	QPSK	22.34	0.96	23.30	1.00	30.00	PASS	
	1	24		22.43	0.96	23.39	1.00	30.00	PASS	
	1	49		22.46	0.96	23.42	1.00	30.00	PASS	
	25	0		21.21	0.96	22.17	1.00	30.00	PASS	
	25	12		21.41	0.96	22.37	1.00	30.00	PASS	
	25	24		21.28	0.96	22.24	1.00	30.00	PASS	
	50	0	21.35	0.96	22.31	1.00	30.00	PASS		
	1	0	16QAM	21.35	0.96	22.31	1.00	30.00	PASS	
	1	24		22.66	0.96	23.62	1.00	30.00	PASS	
	1	49		21.48	0.96	22.44	1.00	30.00	PASS	
	25	0		20.36	0.96	21.32	1.00	30.00	PASS	
	25	12		20.53	0.96	21.49	1.00	30.00	PASS	
	25	24		20.40	0.96	21.36	1.00	30.00	PASS	
	50	0	20.55	0.96	21.51	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 4 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	22.34	0.96	23.30	1.00	30.00	PASS
		1	37		22.47	0.96	23.43	1.00	30.00	PASS
		1	74		22.54	0.96	23.50	1.00	30.00	PASS
		36	0		21.38	0.96	22.34	1.00	30.00	PASS
		36	18		21.40	0.96	22.36	1.00	30.00	PASS
		36	39		21.48	0.96	22.44	1.00	30.00	PASS
		75	0	21.51	0.96	22.47	1.00	30.00	PASS	
		1	0	16QAM	22.57	0.96	23.53	1.00	30.00	PASS
		1	37		22.63	0.96	23.59	1.00	30.00	PASS
		1	74		22.45	0.96	23.41	1.00	30.00	PASS
		36	0		20.45	0.96	21.41	1.00	30.00	PASS
		36	18		20.53	0.96	21.49	1.00	30.00	PASS
	36	39	20.57		0.96	21.53	1.00	30.00	PASS	
	75	0	20.63	0.96	21.59	1.00	30.00	PASS		
	Middle	QPSK	1	0	22.61	0.96	23.57	1.00	30.00	PASS
			1	37	22.50	0.96	23.46	1.00	30.00	PASS
			1	74	22.37	0.96	23.33	1.00	30.00	PASS
			36	0	21.44	0.96	22.40	1.00	30.00	PASS
			36	18	21.37	0.96	22.33	1.00	30.00	PASS
			36	39	21.44	0.96	22.40	1.00	30.00	PASS
		75	0	21.40	0.96	22.36	1.00	30.00	PASS	
		16QAM	1	0	21.56	0.96	22.52	1.00	30.00	PASS
			1	37	21.48	0.96	22.44	1.00	30.00	PASS
			1	74	21.39	0.96	22.35	1.00	30.00	PASS
			36	0	20.75	0.96	21.71	1.00	30.00	PASS
			36	18	20.61	0.96	21.57	1.00	30.00	PASS
	36		39	20.60	0.96	21.56	1.00	30.00	PASS	
	75	0	20.51	0.96	21.47	1.00	30.00	PASS		
	Highest	QPSK	1	0	22.34	0.96	23.30	1.00	30.00	PASS
			1	37	22.38	0.96	23.34	1.00	30.00	PASS
			1	74	22.53	0.96	23.49	1.00	30.00	PASS
			36	0	21.17	0.96	22.13	1.00	30.00	PASS
			36	18	21.27	0.96	22.23	1.00	30.00	PASS
			36	39	21.27	0.96	22.23	1.00	30.00	PASS
		75	0	21.28	0.96	22.24	1.00	30.00	PASS	
		16QAM	1	0	22.75	0.96	23.71	1.00	30.00	PASS
1			37	22.08	0.96	23.04	1.00	30.00	PASS	
1			74	22.16	0.96	23.12	1.00	30.00	PASS	
36			0	20.80	0.96	21.76	1.00	30.00	PASS	
36			18	20.39	0.96	21.35	1.00	30.00	PASS	
36	39		20.30	0.96	21.26	1.00	30.00	PASS		
75	0	20.46	0.96	21.42	1.00	30.00	PASS			

Radiated Power (EIRP) for LTE Band 4 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	22.31	0.96	23.27	1.00	30.00	PASS
		1	49		22.42	0.96	23.38	1.00	30.00	PASS
		1	99		22.44	0.96	23.40	1.00	30.00	PASS
		50	0		21.46	0.96	22.42	1.00	30.00	PASS
		50	24		21.50	0.96	22.46	1.00	30.00	PASS
		50	49		21.52	0.96	22.48	1.00	30.00	PASS
		100	0	21.47	0.96	22.43	1.00	30.00	PASS	
		1	0	16QAM	21.07	0.96	22.03	1.00	30.00	PASS
		1	49		21.26	0.96	22.22	1.00	30.00	PASS
		1	99		21.22	0.96	22.18	1.00	30.00	PASS
		50	0		20.59	0.96	21.55	1.00	30.00	PASS
		50	24		20.62	0.96	21.58	1.00	30.00	PASS
		50	49		20.69	0.96	21.65	1.00	30.00	PASS
		100	0	20.55	0.96	21.51	1.00	30.00	PASS	
		1	0	QPSK	22.54	0.96	23.50	1.00	30.00	PASS
	1	49	22.40		0.96	23.36	1.00	30.00	PASS	
	1	99	22.32		0.96	23.28	1.00	30.00	PASS	
	50	0	21.57		0.96	22.53	1.00	30.00	PASS	
	50	24	21.36		0.96	22.32	1.00	30.00	PASS	
	50	49	21.35		0.96	22.31	1.00	30.00	PASS	
	100	0	21.50	0.96	22.46	1.00	30.00	PASS		
	1	0	16QAM	21.63	0.96	22.59	1.00	30.00	PASS	
	1	49		21.53	0.96	22.49	1.00	30.00	PASS	
	1	99		21.40	0.96	22.36	1.00	30.00	PASS	
	50	0		20.60	0.96	21.56	1.00	30.00	PASS	
	50	24		20.52	0.96	21.48	1.00	30.00	PASS	
	50	49		20.45	0.96	21.41	1.00	30.00	PASS	
	100	0	20.55	0.96	21.51	1.00	30.00	PASS		
	1	0	QPSK	22.46	0.96	23.42	1.00	30.00	PASS	
	1	49		22.38	0.96	23.34	1.00	30.00	PASS	
	1	99		22.77	0.96	23.73	1.00	30.00	PASS	
	50	0		21.27	0.96	22.23	1.00	30.00	PASS	
	50	24		21.32	0.96	22.28	1.00	30.00	PASS	
	50	49		21.47	0.96	22.43	1.00	30.00	PASS	
	100	0	21.18	0.96	22.14	1.00	30.00	PASS		
	1	0	16QAM	21.47	0.96	22.43	1.00	30.00	PASS	
	1	49		21.35	0.96	22.31	1.00	30.00	PASS	
	1	99		21.59	0.96	22.55	1.00	30.00	PASS	
	50	0		20.36	0.96	21.32	1.00	30.00	PASS	
	50	24		20.79	0.96	21.75	1.00	30.00	PASS	
	50	49		20.46	0.96	21.42	1.00	30.00	PASS	
	100	0	20.81	0.96	21.77	1.00	30.00	PASS		

Radiated Power (ERP) for LTE Band 5 /1.4M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
1.4	Lowest	1	0	QPSK	23.52	-1.3	20.07	7.00	38.45	PASS	
		1	2		23.50	-1.3	20.05	7.00	38.45	PASS	
		1	5		23.45	-1.3	20.00	7.00	38.45	PASS	
		3	0		23.31	-1.3	19.86	7.00	38.45	PASS	
		3	1		23.35	-1.3	19.90	7.00	38.45	PASS	
		3	2		23.41	-1.3	19.96	7.00	38.45	PASS	
		6	0	22.45	-1.3	19.00	7.00	38.45	PASS		
		1	0	16QAM	23.28	-1.3	19.83	7.00	38.45	PASS	
		1	2		23.16	-1.3	19.71	7.00	38.45	PASS	
		1	5		23.32	-1.3	19.87	7.00	38.45	PASS	
		3	0		22.50	-1.3	19.05	7.00	38.45	PASS	
		3	1		22.47	-1.3	19.02	7.00	38.45	PASS	
		3	2		22.54	-1.3	19.09	7.00	38.45	PASS	
		6	0	22.12	-1.3	18.67	7.00	38.45	PASS		
		Middle	QPSK	1	0	23.17	-1.3	19.72	7.00	38.45	PASS
				1	2	23.20	-1.3	19.75	7.00	38.45	PASS
				1	5	23.22	-1.3	19.77	7.00	38.45	PASS
				3	0	23.27	-1.3	19.82	7.00	38.45	PASS
	3			1	23.17	-1.3	19.72	7.00	38.45	PASS	
	3			2	23.22	-1.3	19.77	7.00	38.45	PASS	
	6		0	22.21	-1.3	18.76	7.00	38.45	PASS		
	16QAM		1	0	22.83	-1.3	19.38	7.00	38.45	PASS	
			1	2	23.05	-1.3	19.60	7.00	38.45	PASS	
			1	5	22.97	-1.3	19.52	7.00	38.45	PASS	
			3	0	22.32	-1.3	18.87	7.00	38.45	PASS	
			3	1	22.28	-1.3	18.83	7.00	38.45	PASS	
			3	2	22.28	-1.3	18.83	7.00	38.45	PASS	
	6		0	21.58	-1.3	18.13	7.00	38.45	PASS		
	Highest		QPSK	1	0	23.22	-1.3	19.77	7.00	38.45	PASS
				1	2	23.23	-1.3	19.78	7.00	38.45	PASS
				1	5	23.21	-1.3	19.76	7.00	38.45	PASS
				3	0	23.32	-1.3	19.87	7.00	38.45	PASS
		3		1	23.24	-1.3	19.79	7.00	38.45	PASS	
		3		2	23.29	-1.3	19.84	7.00	38.45	PASS	
		6	0	22.14	-1.3	18.69	7.00	38.45	PASS		
		16QAM	1	0	23.55	-1.3	20.10	7.00	38.45	PASS	
			1	2	23.08	-1.3	19.63	7.00	38.45	PASS	
			1	5	23.14	-1.3	19.69	7.00	38.45	PASS	
			3	0	22.71	-1.3	19.26	7.00	38.45	PASS	
			3	1	22.55	-1.3	19.10	7.00	38.45	PASS	
			3	2	22.42	-1.3	18.97	7.00	38.45	PASS	
			6	0	21.90	-1.3	18.45	7.00	38.45	PASS	

Radiated Power (ERP) for LTE Band 5 /3M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
3	Lowest	1	0	QPSK	23.31	-1.3	19.86	7.00	38.45	PASS	
		1	7		23.33	-1.3	19.88	7.00	38.45	PASS	
		1	14		23.42	-1.3	19.97	7.00	38.45	PASS	
		8	0		22.44	-1.3	18.99	7.00	38.45	PASS	
		8	4		22.45	-1.3	19.00	7.00	38.45	PASS	
		8	7		22.55	-1.3	19.10	7.00	38.45	PASS	
		15	0	22.39	-1.3	18.94	7.00	38.45	PASS		
		1	0	16QAM	23.26	-1.3	19.81	7.00	38.45	PASS	
		1	7		23.14	-1.3	19.69	7.00	38.45	PASS	
		1	14		23.29	-1.3	19.84	7.00	38.45	PASS	
		8	0		21.81	-1.3	18.36	7.00	38.45	PASS	
		8	4		21.82	-1.3	18.37	7.00	38.45	PASS	
		8	7		21.75	-1.3	18.30	7.00	38.45	PASS	
		15	0	21.95	-1.3	18.50	7.00	38.45	PASS		
		Middle	QPSK	1	0	23.27	-1.3	19.82	7.00	38.45	PASS
	1			7	23.18	-1.3	19.73	7.00	38.45	PASS	
	1			14	23.18	-1.3	19.73	7.00	38.45	PASS	
	8			0	22.27	-1.3	18.82	7.00	38.45	PASS	
	8			4	22.29	-1.3	18.84	7.00	38.45	PASS	
	8			7	22.21	-1.3	18.76	7.00	38.45	PASS	
	15		0	22.25	-1.3	18.80	7.00	38.45	PASS		
	16QAM		1	0	22.95	-1.3	19.50	7.00	38.45	PASS	
			1	7	22.91	-1.3	19.46	7.00	38.45	PASS	
			1	14	22.92	-1.3	19.47	7.00	38.45	PASS	
			8	0	21.35	-1.3	17.90	7.00	38.45	PASS	
			8	4	21.85	-1.3	18.40	7.00	38.45	PASS	
			8	7	21.90	-1.3	18.45	7.00	38.45	PASS	
			15	0	21.75	-1.3	18.30	7.00	38.45	PASS	
			Highest	QPSK	1	0	23.33	-1.3	19.88	7.00	38.45
		1			7	23.23	-1.3	19.78	7.00	38.45	PASS
	1	14			23.22	-1.3	19.77	7.00	38.45	PASS	
	8	0			22.30	-1.3	18.85	7.00	38.45	PASS	
	8	4			22.27	-1.3	18.82	7.00	38.45	PASS	
	8	7			22.17	-1.3	18.72	7.00	38.45	PASS	
	15	0		22.39	-1.3	18.94	7.00	38.45	PASS		
	16QAM	1		0	23.52	-1.3	20.07	7.00	38.45	PASS	
1		7		23.28	-1.3	19.83	7.00	38.45	PASS		
1		14		22.88	-1.3	19.43	7.00	38.45	PASS		
8		0		21.41	-1.3	17.96	7.00	38.45	PASS		
8		4		21.40	-1.3	17.95	7.00	38.45	PASS		
8		7		21.61	-1.3	18.16	7.00	38.45	PASS		
15		0		21.46	-1.3	18.01	7.00	38.45	PASS		

Radiated Power (ERP) for LTE Band 5 /5M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
5	Lowest	1	0	QPSK	23.29	-1.3	19.84	7.00	38.45	PASS	
		1	12		23.37	-1.3	19.92	7.00	38.45	PASS	
		1	24		23.24	-1.3	19.79	7.00	38.45	PASS	
		12	0		22.45	-1.3	19.00	7.00	38.45	PASS	
		12	6		22.52	-1.3	19.07	7.00	38.45	PASS	
		12	11		22.35	-1.3	18.90	7.00	38.45	PASS	
		25	0	22.43	-1.3	18.98	7.00	38.45	PASS		
		1	0	16QAM	22.36	-1.3	18.91	7.00	38.45	PASS	
		1	12		22.52	-1.3	19.07	7.00	38.45	PASS	
		1	24		22.34	-1.3	18.89	7.00	38.45	PASS	
		12	0		21.83	-1.3	18.38	7.00	38.45	PASS	
		12	6		21.75	-1.3	18.30	7.00	38.45	PASS	
		12	11		21.71	-1.3	18.26	7.00	38.45	PASS	
		25	0	21.87	-1.3	18.42	7.00	38.45	PASS		
		Middle	QPSK	1	0	23.24	-1.3	19.79	7.00	38.45	PASS
	1			12	23.16	-1.3	19.71	7.00	38.45	PASS	
	1			24	23.18	-1.3	19.73	7.00	38.45	PASS	
	12			0	22.34	-1.3	18.89	7.00	38.45	PASS	
	12			6	22.14	-1.3	18.69	7.00	38.45	PASS	
	12			11	22.26	-1.3	18.81	7.00	38.45	PASS	
	25		0	22.34	-1.3	18.89	7.00	38.45	PASS		
	16QAM		1	0	21.97	-1.3	18.52	7.00	38.45	PASS	
			1	12	21.91	-1.3	18.46	7.00	38.45	PASS	
			1	24	21.80	-1.3	18.35	7.00	38.45	PASS	
			12	0	21.12	-1.3	17.67	7.00	38.45	PASS	
			12	6	21.67	-1.3	18.22	7.00	38.45	PASS	
			12	11	21.60	-1.3	18.15	7.00	38.45	PASS	
			25	0	21.74	-1.3	18.29	7.00	38.45	PASS	
			Highest	QPSK	1	0	23.21	-1.3	19.76	7.00	38.45
		1			12	23.17	-1.3	19.72	7.00	38.45	PASS
	1	24			23.15	-1.3	19.70	7.00	38.45	PASS	
	12	0			22.29	-1.3	18.84	7.00	38.45	PASS	
	12	6			22.38	-1.3	18.93	7.00	38.45	PASS	
	12	11			22.30	-1.3	18.85	7.00	38.45	PASS	
	25	0		22.38	-1.3	18.93	7.00	38.45	PASS		
	16QAM	1		0	22.29	-1.3	18.84	7.00	38.45	PASS	
1		12		23.44	-1.3	19.99	7.00	38.45	PASS		
1		24		22.11	-1.3	18.66	7.00	38.45	PASS		
12		0		21.18	-1.3	17.73	7.00	38.45	PASS		
12		6		21.27	-1.3	17.82	7.00	38.45	PASS		
12		11		21.29	-1.3	17.84	7.00	38.45	PASS		
25		0		21.32	-1.3	17.87	7.00	38.45	PASS		

Radiated Power (ERP) for LTE Band 5 /10M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
10	Lowest	1	0	QPSK	23.35	-1.3	19.90	7.00	38.45	PASS	
		1	24		23.34	-1.3	19.89	7.00	38.45	PASS	
		1	49		23.36	-1.3	19.91	7.00	38.45	PASS	
		25	0		22.56	-1.3	19.11	7.00	38.45	PASS	
		25	12		22.28	-1.3	18.83	7.00	38.45	PASS	
		25	24		22.44	-1.3	18.99	7.00	38.45	PASS	
		50	0	22.41	-1.3	18.96	7.00	38.45	PASS		
		1	0	16QAM	23.29	-1.3	19.84	7.00	38.45	PASS	
		1	24		23.28	-1.3	19.83	7.00	38.45	PASS	
		1	49		23.43	-1.3	19.98	7.00	38.45	PASS	
		25	0		21.65	-1.3	18.20	7.00	38.45	PASS	
		25	12		21.23	-1.3	17.78	7.00	38.45	PASS	
		25	24		21.71	-1.3	18.26	7.00	38.45	PASS	
		50	0	21.28	-1.3	17.83	7.00	38.45	PASS		
		Middle	QPSK	1	0	23.38	-1.3	19.93	7.00	38.45	PASS
	1			24	23.33	-1.3	19.88	7.00	38.45	PASS	
	1			49	23.34	-1.3	19.89	7.00	38.45	PASS	
	25			0	22.27	-1.3	18.82	7.00	38.45	PASS	
	25			12	22.31	-1.3	18.86	7.00	38.45	PASS	
	25			24	22.00	-1.3	18.55	7.00	38.45	PASS	
	50		0	22.19	-1.3	18.74	7.00	38.45	PASS		
	16QAM		1	0	22.36	-1.3	18.91	7.00	38.45	PASS	
			1	24	22.26	-1.3	18.81	7.00	38.45	PASS	
			1	49	22.30	-1.3	18.85	7.00	38.45	PASS	
			25	0	21.27	-1.3	17.82	7.00	38.45	PASS	
			25	12	21.69	-1.3	18.24	7.00	38.45	PASS	
			25	24	21.79	-1.3	18.34	7.00	38.45	PASS	
			50	0	21.79	-1.3	18.34	7.00	38.45	PASS	
			Highest	QPSK	1	0	23.26	-1.3	19.81	7.00	38.45
		1			24	23.18	-1.3	19.73	7.00	38.45	PASS
	1	49			23.24	-1.3	19.79	7.00	38.45	PASS	
	25	0			22.43	-1.3	18.98	7.00	38.45	PASS	
	25	12			22.16	-1.3	18.71	7.00	38.45	PASS	
	25	24			22.36	-1.3	18.91	7.00	38.45	PASS	
	50	0		22.25	-1.3	18.80	7.00	38.45	PASS		
	16QAM	1		0	21.98	-1.3	18.53	7.00	38.45	PASS	
1		24		22.10	-1.3	18.65	7.00	38.45	PASS		
1		49		23.58	-1.3	20.13	7.00	38.45	PASS		
25		0		21.72	-1.3	18.27	7.00	38.45	PASS		
25		12		21.20	-1.3	17.75	7.00	38.45	PASS		
25		24		21.33	-1.3	17.88	7.00	38.45	PASS		
50		0		21.11	-1.3	17.66	7.00	38.45	PASS		

Radiated Power (ERP) for LTE Band 12 /1.4M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
1.4	Lowest	1	0	QPSK	23.49	-2.69	18.65	3.00	34.77	PASS	
		1	2		23.53	-2.69	18.69	3.00	34.77	PASS	
		1	5		23.58	-2.69	18.74	3.00	34.77	PASS	
		3	0		23.45	-2.69	18.61	3.00	34.77	PASS	
		3	1		23.51	-2.69	18.67	3.00	34.77	PASS	
		3	2		23.45	-2.69	18.61	3.00	34.77	PASS	
		6	0	22.46	-2.69	17.62	3.00	34.77	PASS		
		1	0	16QAM	23.29	-2.69	18.45	3.00	34.77	PASS	
		1	2		23.34	-2.69	18.50	3.00	34.77	PASS	
		1	5		23.33	-2.69	18.49	3.00	34.77	PASS	
		3	0		22.67	-2.69	17.83	3.00	34.77	PASS	
		3	1		22.61	-2.69	17.77	3.00	34.77	PASS	
		3	2		22.52	-2.69	17.68	3.00	34.77	PASS	
		6	0	21.50	-2.69	16.66	3.00	34.77	PASS		
		Middle	QPSK	1	0	23.82	-2.69	18.98	3.00	34.77	PASS
	1			2	23.42	-2.69	18.58	3.00	34.77	PASS	
	1			5	23.34	-2.69	18.50	3.00	34.77	PASS	
	3			0	23.44	-2.69	18.60	3.00	34.77	PASS	
	3			1	23.39	-2.69	18.55	3.00	34.77	PASS	
	3			2	23.46	-2.69	18.62	3.00	34.77	PASS	
	6		0	22.33	-2.69	17.49	3.00	34.77	PASS		
	16QAM		1	0	23.51	-2.69	18.67	3.00	34.77	PASS	
			1	2	22.99	-2.69	18.15	3.00	34.77	PASS	
			1	5	22.89	-2.69	18.05	3.00	34.77	PASS	
			3	0	22.27	-2.69	17.43	3.00	34.77	PASS	
			3	1	22.24	-2.69	17.40	3.00	34.77	PASS	
			3	2	22.28	-2.69	17.44	3.00	34.77	PASS	
			6	0	21.35	-2.69	16.51	3.00	34.77	PASS	
			Highest	QPSK	1	0	23.54	-2.69	18.70	3.00	34.77
		1			2	23.59	-2.69	18.75	3.00	34.77	PASS
	1	5			23.59	-2.69	18.75	3.00	34.77	PASS	
	3	0			23.55	-2.69	18.71	3.00	34.77	PASS	
	3	1			23.59	-2.69	18.75	3.00	34.77	PASS	
	3	2			23.55	-2.69	18.71	3.00	34.77	PASS	
	6	0		22.49	-2.69	17.65	3.00	34.77	PASS		
	16QAM	1		0	23.93	-2.69	19.09	3.00	34.77	PASS	
1		2		23.20	-2.69	18.36	3.00	34.77	PASS		
1		5		23.19	-2.69	18.35	3.00	34.77	PASS		
3		0		23.02	-2.69	18.18	3.00	34.77	PASS		
3		1		22.84	-2.69	18.00	3.00	34.77	PASS		
3		2		22.87	-2.69	18.03	3.00	34.77	PASS		
6		0		22.15	-2.69	17.31	3.00	34.77	PASS		

Radiated Power (ERP) for LTE Band 12 /3M												
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict		
3	Lowest	1	0	QPSK	23.45	-2.69	18.61	3.00	34.77	PASS		
		1	7		23.45	-2.69	18.61	3.00	34.77	PASS		
		1	14		23.36	-2.69	18.52	3.00	34.77	PASS		
		8	0		22.47	-2.69	17.63	3.00	34.77	PASS		
		8	4		22.46	-2.69	17.62	3.00	34.77	PASS		
		8	7		22.46	-2.69	17.62	3.00	34.77	PASS		
		15	0	22.42	-2.69	17.58	3.00	34.77	PASS			
		1	0	23.29	-2.69	16QAM	23.29	-2.69	18.45	3.00	34.77	PASS
		1	7	23.26	-2.69		18.42	3.00	34.77	PASS		
		1	14	23.21	-2.69		18.37	3.00	34.77	PASS		
		8	0	21.32	-2.69		16.48	3.00	34.77	PASS		
		8	4	21.29	-2.69		16.45	3.00	34.77	PASS		
		8	7	21.54	-2.69		16.70	3.00	34.77	PASS		
		15	0	21.51	-2.69	16.67	3.00	34.77	PASS			
		1	0	23.88	-2.69	QPSK	23.88	-2.69	19.04	3.00	34.77	PASS
	1	7	23.31	-2.69	18.47		3.00	34.77	PASS			
	1	14	23.32	-2.69	18.48		3.00	34.77	PASS			
	8	0	22.85	-2.69	18.01		3.00	34.77	PASS			
	8	4	22.24	-2.69	17.40		3.00	34.77	PASS			
	8	7	22.33	-2.69	17.49		3.00	34.77	PASS			
	15	0	22.35	-2.69	17.51	3.00	34.77	PASS				
	1	0	23.56	-2.69	16QAM	23.56	-2.69	18.72	3.00	34.77	PASS	
	1	7	22.90	-2.69		18.06	3.00	34.77	PASS			
	1	14	22.87	-2.69		18.03	3.00	34.77	PASS			
	8	0	22.11	-2.69		17.27	3.00	34.77	PASS			
	8	4	21.61	-2.69		16.77	3.00	34.77	PASS			
	8	7	21.69	-2.69		16.85	3.00	34.77	PASS			
	15	0	21.53	-2.69	16.69	3.00	34.77	PASS				
	1	0	23.62	-2.69	QPSK	23.62	-2.69	18.78	3.00	34.77	PASS	
	1	7	23.52	-2.69		18.68	3.00	34.77	PASS			
	1	14	23.64	-2.69		18.80	3.00	34.77	PASS			
	8	0	22.72	-2.69		17.88	3.00	34.77	PASS			
	8	4	22.73	-2.69		17.89	3.00	34.77	PASS			
	8	7	22.49	-2.69		17.65	3.00	34.77	PASS			
	15	0	22.74	-2.69	17.90	3.00	34.77	PASS				
	1	0	23.90	-2.69	16QAM	23.90	-2.69	19.06	3.00	34.77	PASS	
1	7	23.44	-2.69	18.60		3.00	34.77	PASS				
1	14	23.27	-2.69	18.43		3.00	34.77	PASS				
8	0	21.55	-2.69	16.71		3.00	34.77	PASS				
8	4	21.63	-2.69	16.79		3.00	34.77	PASS				
8	7	22.03	-2.69	17.19		3.00	34.77	PASS				
15	0	21.68	-2.69	16.84	3.00	34.77	PASS					

Radiated Power (ERP) for LTE Band 12 /5M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
5	Lowest	1	0	QPSK	23.32	-2.69	18.48	3.00	34.77	PASS	
		1	12		23.21	-2.69	18.37	3.00	34.77	PASS	
		1	24		23.28	-2.69	18.44	3.00	34.77	PASS	
		12	0		22.41	-2.69	17.57	3.00	34.77	PASS	
		12	6		22.46	-2.69	17.62	3.00	34.77	PASS	
		12	11		22.41	-2.69	17.57	3.00	34.77	PASS	
		25	0	22.34	-2.69	17.50	3.00	34.77	PASS		
		1	0	16QAM	22.50	-2.69	17.66	3.00	34.77	PASS	
		1	12		22.55	-2.69	17.71	3.00	34.77	PASS	
		1	24		22.31	-2.69	17.47	3.00	34.77	PASS	
		12	0		21.39	-2.69	16.55	3.00	34.77	PASS	
		12	6		21.43	-2.69	16.59	3.00	34.77	PASS	
		12	11		21.36	-2.69	16.52	3.00	34.77	PASS	
		25	0	21.59	-2.69	16.75	3.00	34.77	PASS		
		Middle	QPSK	1	0	23.82	-2.69	18.98	3.00	34.77	PASS
	1			12	23.40	-2.69	18.56	3.00	34.77	PASS	
	1			24	23.60	-2.69	18.76	3.00	34.77	PASS	
	12			0	22.99	-2.69	18.15	3.00	34.77	PASS	
	12			6	22.28	-2.69	17.44	3.00	34.77	PASS	
	12			11	22.22	-2.69	17.38	3.00	34.77	PASS	
	25		0	22.32	-2.69	17.48	3.00	34.77	PASS		
	16QAM		1	0	22.63	-2.69	17.79	3.00	34.77	PASS	
			1	12	21.95	-2.69	17.11	3.00	34.77	PASS	
			1	24	22.13	-2.69	17.29	3.00	34.77	PASS	
			12	0	21.80	-2.69	16.96	3.00	34.77	PASS	
			12	6	21.32	-2.69	16.48	3.00	34.77	PASS	
			12	11	21.36	-2.69	16.52	3.00	34.77	PASS	
			25	0	21.59	-2.69	16.75	3.00	34.77	PASS	
			Highest	QPSK	1	0	23.50	-2.69	18.66	3.00	34.77
		1			12	23.46	-2.69	18.62	3.00	34.77	PASS
	1	24			23.52	-2.69	18.68	3.00	34.77	PASS	
	12	0			22.28	-2.69	17.44	3.00	34.77	PASS	
	12	6			22.64	-2.69	17.80	3.00	34.77	PASS	
	12	11			22.67	-2.69	17.83	3.00	34.77	PASS	
	25	0		22.70	-2.69	17.86	3.00	34.77	PASS		
	16QAM	1		0	23.83	-2.69	18.99	3.00	34.77	PASS	
1		12		22.63	-2.69	17.79	3.00	34.77	PASS		
1		24		22.40	-2.69	17.56	3.00	34.77	PASS		
12		0		21.98	-2.69	17.14	3.00	34.77	PASS		
12		6		21.50	-2.69	16.66	3.00	34.77	PASS		
12		11		21.52	-2.69	16.68	3.00	34.77	PASS		
25		0		21.50	-2.69	16.66	3.00	34.77	PASS		

Radiated Power (ERP) for LTE Band 12 /10M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict	
10	Lowest	1	0	QPSK	23.41	-2.69	18.57	3.00	34.77	PASS	
		1	24		23.32	-2.69	18.48	3.00	34.77	PASS	
		1	49		23.43	-2.69	18.59	3.00	34.77	PASS	
		25	0		22.43	-2.69	17.59	3.00	34.77	PASS	
		25	12		22.21	-2.69	17.37	3.00	34.77	PASS	
		25	24		22.97	-2.69	18.13	3.00	34.77	PASS	
		50	0	22.14	-2.69	17.30	3.00	34.77	PASS		
		1	0	16QAM	23.38	-2.69	18.54	3.00	34.77	PASS	
		1	24		23.19	-2.69	18.35	3.00	34.77	PASS	
		1	49		23.27	-2.69	18.43	3.00	34.77	PASS	
		25	0		21.40	-2.69	16.56	3.00	34.77	PASS	
		25	12		21.80	-2.69	16.96	3.00	34.77	PASS	
		25	24		21.86	-2.69	17.02	3.00	34.77	PASS	
		50	0	21.87	-2.69	17.03	3.00	34.77	PASS		
		Middle	QPSK	1	0	23.53	-2.69	18.69	3.00	34.77	PASS
	1			24	23.50	-2.69	18.66	3.00	34.77	PASS	
	1			49	23.72	-2.69	18.88	3.00	34.77	PASS	
	25			0	22.95	-2.69	18.11	3.00	34.77	PASS	
	25			12	22.41	-2.69	17.57	3.00	34.77	PASS	
	25			24	22.30	-2.69	17.46	3.00	34.77	PASS	
	50		0	22.29	-2.69	17.45	3.00	34.77	PASS		
	16QAM		1	0	22.44	-2.69	17.60	3.00	34.77	PASS	
			1	24	22.26	-2.69	17.42	3.00	34.77	PASS	
			1	49	22.46	-2.69	17.62	3.00	34.77	PASS	
			25	0	21.97	-2.69	17.13	3.00	34.77	PASS	
			25	12	21.56	-2.69	16.72	3.00	34.77	PASS	
			25	24	21.72	-2.69	16.88	3.00	34.77	PASS	
			50	0	21.58	-2.69	16.74	3.00	34.77	PASS	
			Highest	QPSK	1	0	23.97	-2.69	19.13	3.00	34.77
		1			24	23.68	-2.69	18.84	3.00	34.77	PASS
	1	49			23.65	-2.69	18.81	3.00	34.77	PASS	
	25	0			22.42	-2.69	17.58	3.00	34.77	PASS	
	25	12			22.37	-2.69	17.53	3.00	34.77	PASS	
	25	24			22.71	-2.69	17.87	3.00	34.77	PASS	
	50	0		22.51	-2.69	17.67	3.00	34.77	PASS		
	16QAM	1		0	22.79	-2.69	17.95	3.00	34.77	PASS	
1		24		22.30	-2.69	17.46	3.00	34.77	PASS		
1		49		22.39	-2.69	17.55	3.00	34.77	PASS		
25		0		21.56	-2.69	16.72	3.00	34.77	PASS		
25		12		21.74	-2.69	16.90	3.00	34.77	PASS		
25		24		21.67	-2.69	16.83	3.00	34.77	PASS		
50		0		21.74	-2.69	16.90	3.00	34.77	PASS		

Radiated Power (EIRP) for LTE Band 66 /1.4M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict	
1.4	Lowest	1	0	QPSK	22.42	0.96	23.38	1.00	30.00	PASS	
		1	2		22.51	0.96	23.47	1.00	30.00	PASS	
		1	5		22.48	0.96	23.44	1.00	30.00	PASS	
		3	0		22.31	0.96	23.27	1.00	30.00	PASS	
		3	1		22.36	0.96	23.32	1.00	30.00	PASS	
		3	2		22.30	0.96	23.26	1.00	30.00	PASS	
		6	0	21.35	0.96	22.31	1.00	30.00	PASS		
		1	0	16QAM	22.42	0.96	23.38	1.00	30.00	PASS	
		1	2		22.32	0.96	23.28	1.00	30.00	PASS	
		1	5		22.44	0.96	23.40	1.00	30.00	PASS	
		3	0		21.60	0.96	22.56	1.00	30.00	PASS	
		3	1		21.54	0.96	22.50	1.00	30.00	PASS	
		3	2		21.60	0.96	22.56	1.00	30.00	PASS	
		6	0	20.57	0.96	21.53	1.00	30.00	PASS		
		Middle	QPSK	1	0	22.14	0.96	23.10	1.00	30.00	PASS
	1			2	22.15	0.96	23.11	1.00	30.00	PASS	
	1			5	22.16	0.96	23.12	1.00	30.00	PASS	
	3			0	22.26	0.96	23.22	1.00	30.00	PASS	
	3			1	22.31	0.96	23.27	1.00	30.00	PASS	
	3			2	22.24	0.96	23.20	1.00	30.00	PASS	
	6		0	21.30	0.96	22.26	1.00	30.00	PASS		
	16QAM		1	0	21.82	0.96	22.78	1.00	30.00	PASS	
			1	2	21.85	0.96	22.81	1.00	30.00	PASS	
			1	5	21.87	0.96	22.83	1.00	30.00	PASS	
			3	0	21.70	0.96	22.66	1.00	30.00	PASS	
			3	1	21.64	0.96	22.60	1.00	30.00	PASS	
			3	2	21.64	0.96	22.60	1.00	30.00	PASS	
			6	0	20.24	0.96	21.20	1.00	30.00	PASS	
			Highest	QPSK	1	0	22.25	0.96	23.21	1.00	30.00
		1			2	22.18	0.96	23.14	1.00	30.00	PASS
	1	5			22.19	0.96	23.15	1.00	30.00	PASS	
	3	0			22.16	0.96	23.12	1.00	30.00	PASS	
	3	1			22.22	0.96	23.18	1.00	30.00	PASS	
	3	2			22.20	0.96	23.16	1.00	30.00	PASS	
	6	0		21.35	0.96	22.31	1.00	30.00	PASS		
	16QAM	1		0	21.59	0.96	22.55	1.00	30.00	PASS	
1		2		21.65	0.96	22.61	1.00	30.00	PASS		
1		5		21.62	0.96	22.58	1.00	30.00	PASS		
3		0		21.71	0.96	22.67	1.00	30.00	PASS		
3		1		21.62	0.96	22.58	1.00	30.00	PASS		
3		2		21.64	0.96	22.60	1.00	30.00	PASS		
6		0		20.54	0.96	21.50	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 66 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	22.19	0.96	23.15	1.00	30.00	PASS
		1	7		22.32	0.96	23.28	1.00	30.00	PASS
		1	14		22.31	0.96	23.27	1.00	30.00	PASS
		8	0		21.35	0.96	22.31	1.00	30.00	PASS
		8	4		21.32	0.96	22.28	1.00	30.00	PASS
		8	7		21.24	0.96	22.20	1.00	30.00	PASS
		15	0	21.41	0.96	22.37	1.00	30.00	PASS	
		1	0	22.50	0.96	23.46	1.00	30.00	PASS	
		1	7	22.50	0.96	23.46	1.00	30.00	PASS	
		1	14	22.47	0.96	23.43	1.00	30.00	PASS	
		8	0	20.27	0.96	21.23	1.00	30.00	PASS	
		8	4	20.29	0.96	21.25	1.00	30.00	PASS	
		8	7	20.34	0.96	21.30	1.00	30.00	PASS	
		15	0	20.57	0.96	21.53	1.00	30.00	PASS	
		1	0	22.12	0.96	23.08	1.00	30.00	PASS	
	1	7	22.11	0.96	23.07	1.00	30.00	PASS		
	1	14	22.12	0.96	23.08	1.00	30.00	PASS		
	8	0	21.32	0.96	22.28	1.00	30.00	PASS		
	8	4	21.25	0.96	22.21	1.00	30.00	PASS		
	8	7	21.20	0.96	22.16	1.00	30.00	PASS		
	15	0	21.33	0.96	22.29	1.00	30.00	PASS		
	1	0	21.83	0.96	22.79	1.00	30.00	PASS		
	1	7	21.82	0.96	22.78	1.00	30.00	PASS		
	1	14	21.83	0.96	22.79	1.00	30.00	PASS		
	8	0	20.57	0.96	21.53	1.00	30.00	PASS		
	8	4	20.55	0.96	21.51	1.00	30.00	PASS		
	8	7	20.59	0.96	21.55	1.00	30.00	PASS		
	15	0	20.42	0.96	21.38	1.00	30.00	PASS		
	1	0	22.18	0.96	23.14	1.00	30.00	PASS		
	1	7	22.21	0.96	23.17	1.00	30.00	PASS		
	1	14	22.21	0.96	23.17	1.00	30.00	PASS		
	8	0	21.30	0.96	22.26	1.00	30.00	PASS		
	8	4	21.20	0.96	22.16	1.00	30.00	PASS		
	8	7	21.18	0.96	22.14	1.00	30.00	PASS		
	15	0	21.18	0.96	22.14	1.00	30.00	PASS		
	1	0	21.70	0.96	22.66	1.00	30.00	PASS		
1	7	21.69	0.96	22.65	1.00	30.00	PASS			
1	14	21.57	0.96	22.53	1.00	30.00	PASS			
8	0	20.34	0.96	21.30	1.00	30.00	PASS			
8	4	20.42	0.96	21.38	1.00	30.00	PASS			
8	7	20.42	0.96	21.38	1.00	30.00	PASS			
15	0	20.48	0.96	21.44	1.00	30.00	PASS			

Radiated Power (EIRP) for LTE Band 66 /5M											
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict	
5	Lowest	1	0	QPSK	22.18	0.96	23.14	1.00	30.00	PASS	
		1	12		22.29	0.96	23.25	1.00	30.00	PASS	
		1	24		22.32	0.96	23.28	1.00	30.00	PASS	
		12	0		21.39	0.96	22.35	1.00	30.00	PASS	
		12	6		21.48	0.96	22.44	1.00	30.00	PASS	
		12	11		21.49	0.96	22.45	1.00	30.00	PASS	
		25	0	21.36	0.96	22.32	1.00	30.00	PASS		
		1	0	16QAM	21.58	0.96	22.54	1.00	30.00	PASS	
		1	12		21.62	0.96	22.58	1.00	30.00	PASS	
		1	24		21.62	0.96	22.58	1.00	30.00	PASS	
		12	0		20.43	0.96	21.39	1.00	30.00	PASS	
		12	6		20.36	0.96	21.32	1.00	30.00	PASS	
		12	11		20.45	0.96	21.41	1.00	30.00	PASS	
		25	0	20.49	0.96	21.45	1.00	30.00	PASS		
		Middle	QPSK	1	0	22.29	0.96	23.25	1.00	30.00	PASS
	1			12	22.31	0.96	23.27	1.00	30.00	PASS	
	1			24	22.32	0.96	23.28	1.00	30.00	PASS	
	12			0	21.22	0.96	22.18	1.00	30.00	PASS	
	12			6	21.38	0.96	22.34	1.00	30.00	PASS	
	12			11	21.32	0.96	22.28	1.00	30.00	PASS	
	25		0	21.36	0.96	22.32	1.00	30.00	PASS		
	16QAM		1	0	20.94	0.96	21.90	1.00	30.00	PASS	
			1	12	20.99	0.96	21.95	1.00	30.00	PASS	
			1	24	21.02	0.96	21.98	1.00	30.00	PASS	
			12	0	20.25	0.96	21.21	1.00	30.00	PASS	
			12	6	20.30	0.96	21.26	1.00	30.00	PASS	
			12	11	20.71	0.96	21.67	1.00	30.00	PASS	
			25	0	20.42	0.96	21.38	1.00	30.00	PASS	
			Highest	QPSK	1	0	22.29	0.96	23.25	1.00	30.00
		1			12	22.33	0.96	23.29	1.00	30.00	PASS
	1	24			22.25	0.96	23.21	1.00	30.00	PASS	
	12	0			21.33	0.96	22.29	1.00	30.00	PASS	
	12	6			21.37	0.96	22.33	1.00	30.00	PASS	
	12	11			21.25	0.96	22.21	1.00	30.00	PASS	
	25	0		21.24	0.96	22.20	1.00	30.00	PASS		
	16QAM	1		0	21.29	0.96	22.25	1.00	30.00	PASS	
1		12		21.29	0.96	22.25	1.00	30.00	PASS		
1		24		21.22	0.96	22.18	1.00	30.00	PASS		
12		0		20.30	0.96	21.26	1.00	30.00	PASS		
12		6		20.24	0.96	21.20	1.00	30.00	PASS		
12		11		20.35	0.96	21.31	1.00	30.00	PASS		
25		0		20.26	0.96	21.22	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 66 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	22.31	0.96	23.27	1.00	30.00	PASS
		1	24		22.47	0.96	23.43	1.00	30.00	PASS
		1	49		22.54	0.96	23.50	1.00	30.00	PASS
		25	0		21.39	0.96	22.35	1.00	30.00	PASS
		25	12		21.37	0.96	22.33	1.00	30.00	PASS
		25	24		21.46	0.96	22.42	1.00	30.00	PASS
		50	0	21.42	0.96	22.38	1.00	30.00	PASS	
		1	0	16QAM	22.54	0.96	23.50	1.00	30.00	PASS
		1	24		22.65	0.96	23.61	1.00	30.00	PASS
		1	49		22.74	0.96	23.70	1.00	30.00	PASS
		25	0		20.41	0.96	21.37	1.00	30.00	PASS
		25	12		20.40	0.96	21.36	1.00	30.00	PASS
		25	24		20.49	0.96	21.45	1.00	30.00	PASS
		50	0	20.46	0.96	21.42	1.00	30.00	PASS	
		1	0	QPSK	22.36	0.96	23.32	1.00	30.00	PASS
	1	24	22.37		0.96	23.33	1.00	30.00	PASS	
	1	49	22.42		0.96	23.38	1.00	30.00	PASS	
	25	0	21.30		0.96	22.26	1.00	30.00	PASS	
	25	12	21.28		0.96	22.24	1.00	30.00	PASS	
	25	24	21.38		0.96	22.34	1.00	30.00	PASS	
	50	0	21.28	0.96	22.24	1.00	30.00	PASS		
	1	0	16QAM	21.19	0.96	22.15	1.00	30.00	PASS	
	1	24		21.20	0.96	22.16	1.00	30.00	PASS	
	1	49		21.25	0.96	22.21	1.00	30.00	PASS	
	25	0		20.37	0.96	21.33	1.00	30.00	PASS	
	25	12		20.45	0.96	21.41	1.00	30.00	PASS	
	25	24		20.86	0.96	21.82	1.00	30.00	PASS	
	50	0	20.40	0.96	21.36	1.00	30.00	PASS		
	1	0	QPSK	22.43	0.96	23.39	1.00	30.00	PASS	
	1	24		22.37	0.96	23.33	1.00	30.00	PASS	
	1	49		22.77	0.96	23.73	1.00	30.00	PASS	
	25	0		21.35	0.96	22.31	1.00	30.00	PASS	
	25	12		21.25	0.96	22.21	1.00	30.00	PASS	
	25	24		21.24	0.96	22.20	1.00	30.00	PASS	
	50	0	21.26	0.96	22.22	1.00	30.00	PASS		
	1	0	16QAM	21.39	0.96	22.35	1.00	30.00	PASS	
	1	24		21.33	0.96	22.29	1.00	30.00	PASS	
	1	49		21.22	0.96	22.18	1.00	30.00	PASS	
	25	0		20.43	0.96	21.39	1.00	30.00	PASS	
	25	12		20.46	0.96	21.42	1.00	30.00	PASS	
	25	24		20.32	0.96	21.28	1.00	30.00	PASS	
	50	0	20.32	0.96	21.28	1.00	30.00	PASS		

Radiated Power (EIRP) for LTE Band 66 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	22.34	0.96	23.30	1.00	30.00	PASS
		1	37		22.42	0.96	23.38	1.00	30.00	PASS
		1	74		22.53	0.96	23.49	1.00	30.00	PASS
		36	0		21.45	0.96	22.41	1.00	30.00	PASS
		36	18		21.48	0.96	22.44	1.00	30.00	PASS
		36	39		21.55	0.96	22.51	1.00	30.00	PASS
		75	0		21.39	0.96	22.35	1.00	30.00	PASS
		1	0	16QAM	22.57	0.96	23.53	1.00	30.00	PASS
		1	37		22.69	0.96	23.65	1.00	30.00	PASS
		1	74		22.70	0.96	23.66	1.00	30.00	PASS
		36	0		20.41	0.96	21.37	1.00	30.00	PASS
		36	18		20.57	0.96	21.53	1.00	30.00	PASS
		36	39		20.60	0.96	21.56	1.00	30.00	PASS
		75	0		20.57	0.96	21.53	1.00	30.00	PASS
	Middle	QPSK	1	0	22.37	0.96	23.33	1.00	30.00	PASS
			1	37	22.33	0.96	23.29	1.00	30.00	PASS
			1	74	22.38	0.96	23.34	1.00	30.00	PASS
			36	0	21.33	0.96	22.29	1.00	30.00	PASS
			36	18	21.31	0.96	22.27	1.00	30.00	PASS
			36	39	21.23	0.96	22.19	1.00	30.00	PASS
			75	0	21.28	0.96	22.24	1.00	30.00	PASS
		16QAM	1	0	21.22	0.96	22.18	1.00	30.00	PASS
			1	37	21.22	0.96	22.18	1.00	30.00	PASS
			1	74	21.33	0.96	22.29	1.00	30.00	PASS
			36	0	20.48	0.96	21.44	1.00	30.00	PASS
			36	18	20.46	0.96	21.42	1.00	30.00	PASS
			36	39	20.46	0.96	21.42	1.00	30.00	PASS
			75	0	20.39	0.96	21.35	1.00	30.00	PASS
	Highest	QPSK	1	0	22.45	0.96	23.41	1.00	30.00	PASS
			1	37	22.73	0.96	23.69	1.00	30.00	PASS
			1	74	22.27	0.96	23.23	1.00	30.00	PASS
			36	0	21.46	0.96	22.42	1.00	30.00	PASS
			36	18	21.46	0.96	22.42	1.00	30.00	PASS
			36	39	21.27	0.96	22.23	1.00	30.00	PASS
			75	0	21.37	0.96	22.33	1.00	30.00	PASS
		16QAM	1	0	22.11	0.96	23.07	1.00	30.00	PASS
1			37	22.00	0.96	22.96	1.00	30.00	PASS	
1			74	21.91	0.96	22.87	1.00	30.00	PASS	
36			0	20.47	0.96	21.43	1.00	30.00	PASS	
36			18	20.47	0.96	21.43	1.00	30.00	PASS	
36			39	20.40	0.96	21.36	1.00	30.00	PASS	
75			0	20.64	0.96	21.60	1.00	30.00	PASS	

Radiated Power (EIRP) for LTE Band 66 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	22.37	0.96	23.33	1.00	30.00	PASS
		1	49		22.47	0.96	23.43	1.00	30.00	PASS
		1	99		22.48	0.96	23.44	1.00	30.00	PASS
		50	0		21.52	0.96	22.48	1.00	30.00	PASS
		50	24		21.56	0.96	22.52	1.00	30.00	PASS
		50	49		21.44	0.96	22.40	1.00	30.00	PASS
		100	0	21.40	0.96	22.36	1.00	30.00	PASS	
		1	0	16QAM	21.01	0.96	21.97	1.00	30.00	PASS
		1	49		21.21	0.96	22.17	1.00	30.00	PASS
		1	99		21.27	0.96	22.23	1.00	30.00	PASS
		50	0		20.55	0.96	21.51	1.00	30.00	PASS
		50	24		20.71	0.96	21.67	1.00	30.00	PASS
	50	49	20.65		0.96	21.61	1.00	30.00	PASS	
	100	0	20.54	0.96	21.50	1.00	30.00	PASS		
	Middle	QPSK	1	0	22.41	0.96	23.37	1.00	30.00	PASS
			1	49	22.33	0.96	23.29	1.00	30.00	PASS
			1	99	22.48	0.96	23.44	1.00	30.00	PASS
			50	0	21.33	0.96	22.29	1.00	30.00	PASS
			50	24	21.26	0.96	22.22	1.00	30.00	PASS
			50	49	21.26	0.96	22.22	1.00	30.00	PASS
		100	0	21.33	0.96	22.29	1.00	30.00	PASS	
		16QAM	1	0	21.44	0.96	22.40	1.00	30.00	PASS
			1	49	21.39	0.96	22.35	1.00	30.00	PASS
			1	99	21.47	0.96	22.43	1.00	30.00	PASS
			50	0	20.30	0.96	21.26	1.00	30.00	PASS
			50	24	20.34	0.96	21.30	1.00	30.00	PASS
	50		49	20.35	0.96	21.31	1.00	30.00	PASS	
	100	0	20.40	0.96	21.36	1.00	30.00	PASS		
	Highest	QPSK	1	0	22.77	0.96	23.73	1.00	30.00	PASS
			1	49	22.50	0.96	23.46	1.00	30.00	PASS
			1	99	22.46	0.96	23.42	1.00	30.00	PASS
			50	0	21.42	0.96	22.38	1.00	30.00	PASS
			50	24	21.41	0.96	22.37	1.00	30.00	PASS
			50	49	21.38	0.96	22.34	1.00	30.00	PASS
		100	0	21.28	0.96	22.24	1.00	30.00	PASS	
		16QAM	1	0	21.44	0.96	22.40	1.00	30.00	PASS
1			49	21.37	0.96	22.33	1.00	30.00	PASS	
1			99	22.87	0.96	23.83	1.00	30.00	PASS	
50			0	20.51	0.96	21.47	1.00	30.00	PASS	
50			24	20.44	0.96	21.40	1.00	30.00	PASS	
50	49		20.39	0.96	21.35	1.00	30.00	PASS		
100	0	20.43	0.96	21.39	1.00	30.00	PASS			

5.2 PEAK TO AVERAGE RATIO

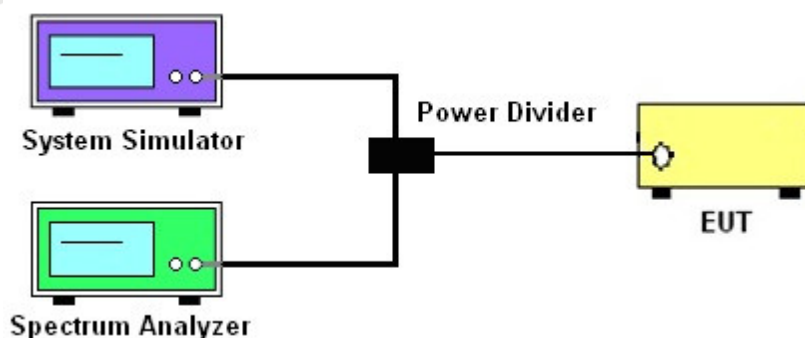
TEST OVERVIEW

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 db.

TEST PROCEDURES

1. The testing follows FCC KDB 971168 v03r01 section.
2. The eut was connected to the peak and av system simulator& spectrum analyzer.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure average power of the spectrum analysis,

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2303348W01_Appendix GSM” , “STS2303348W01_Appendix WCDMA” and “STS2303348W01_Appendix LTE”.

5.3 OCCUPIED BANDWIDTH

TEST OVERVIEW

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

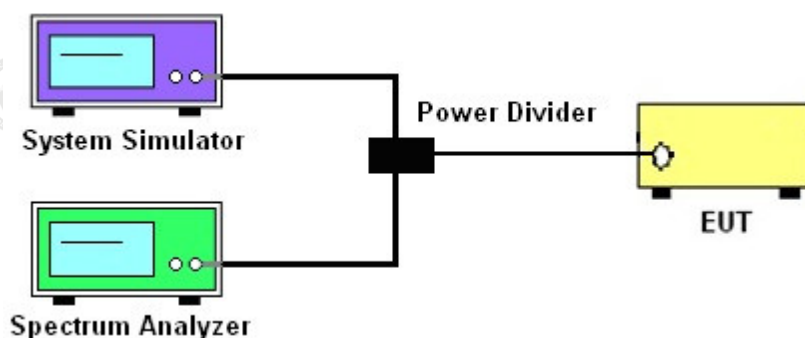
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

All modes of operation were investigated and the worst case configuration results are reported in this section.

TEST PROCEDURE

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW \geq 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment "STS2303348W01_Appendix GSM", "STS2303348W01_Appendix WCDMA" and "STS2303348W01_Appendix LTE".

5.4 FREQUENCY STABILITY

TEST OVERVIEW

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26 2015.

The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30°C to $+50^{\circ}\text{C}$ in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

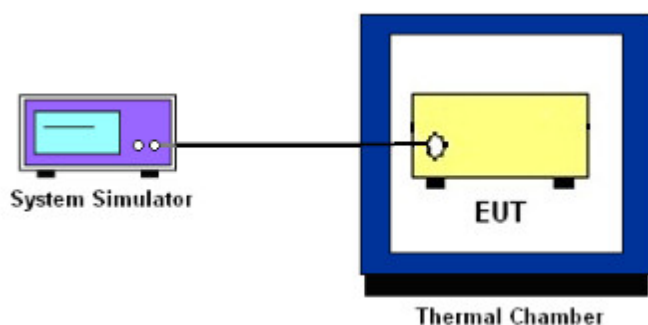
Temperature Variation

1. The testing follows FCC KDB 971168 D01 section 9.0
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

Voltage Variation

1. The testing follows FCC KDB 971168 D01 Section 9.0.
2. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

TEST SETUP



TEST RESULT

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	13.15	0.016	2.5ppm	PASS
40		19.34	0.023		
30		11.59	0.014		
20		12.66	0.015		
10		33.42	0.040		
0		31.52	0.038		
-10		32.31	0.039		
-20		21.56	0.026		
-30		20.18	0.024		
20		Maximum Voltage	18.07		
20	BEP	14.26	0.017		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	15.91	0.019	2.5ppm	PASS
40		28.91	0.035		
30		16.41	0.020		
20		36.05	0.043		
10		24.57	0.029		
0		17.02	0.020		
-10		36.41	0.044		
-20		14.63	0.017		
-30		26.69	0.032		
20		Maximum Voltage	29.65		
20	BEP	14.29	0.017		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	17.04	0.009	Within Authorized Band	PASS
40		30.68	0.016		
30		18.96	0.010		
20		29.26	0.016		
10		30.37	0.016		
0		19.87	0.011		
-10		27.47	0.015		
-20		32.98	0.018		
-30		33.05	0.018		
20		Maximum Voltage	25.05		
20	BEP	14.95	0.008		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	11.98	0.006	Within Authorized Band	PASS
40		14.52	0.008		
30		17.08	0.009		
20		21.82	0.012		
10		24.27	0.013		
0		16.66	0.009		
-10		12.54	0.007		
-20		21.62	0.011		
-30		34.94	0.019		
20		Maximum Voltage	15.82		
20	BEP	22.83	0.012		

UMTS Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	13.88	0.007	Within Authorized Band	PASS
40		15.84	0.008		
30		14.15	0.008		
20		18.43	0.010		
10		21.11	0.011		
0		18.65	0.010		
-10		17.73	0.009		
-20		31.09	0.017		
-30		21.26	0.011		
20		Maximum Voltage	32.67		
20	BEP	17.70	0.009		

HSDPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	22.09	0.012	Within Authorized Band	PASS
40		34.90	0.019		
30		21.56	0.011		
20		25.17	0.013		
10		22.05	0.012		
0		16.21	0.009		
-10		25.20	0.013		
-20		26.63	0.014		
-30		13.92	0.007		
20		Maximum Voltage	21.81		
20	BEP	32.02	0.017		