



Radio Test Report

Report No.: STS2603097W01

Issued for

Drlook E-commerce Limited

RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG
NO.62 HOI YUEN RD KWUN TONG KL HONG KONG,
CHINA

Product Name: AI Learning Camera Cap

Brand Name: **Dr.Look** 

Model Name: LK-CL01-US

Series Model(s): N/A

FCC ID: 2BU8L-LKCL01US

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

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name: Drlook E-commerce Limited
Address.....: RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG NO.62
HOI YUEN RD KWUN TONG KL HONG KONG, CHINA
Manufacturer's Name: Drlook E-commerce Limited
Address.....: RM 1168, FLAT A & B, 11/F, BLK 1 CAMELPAINT BLDG NO.62
HOI YUEN RD KWUN TONG KL HONG KONG, CHINA

Product Description

Product Name: AI Learning Camera Cap
Brand Name.....: **Dr.Look** 
Model Name.....: LK-CL01-US
Series Model(s): N/A

Test Standards.....: 47 CFR Part 2, 22H, 24E, 27
Test Procedure.....: KDB 971168 D01 v03r01, ANSI C63.26(2015)

This device described above has been tested by STS, 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: 13 Mar. 2026
Date (s) of performance of tests : 13 Mar. 2026~28 Apr. 2026
Date of Issue: 28 Apr. 2026
Test Result: Pass

Testing Engineer :



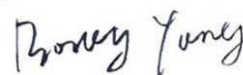
(Lenon Hou)

Technical Manager :



(Skylar Li)

Authorized Signatory :



(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	28 Apr. 2026	STS2603097W01	ALL	Initial Issue



1 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(b)	B13	ERP < 3 Watt	
	27.50(c)	B12, B71	ERP < 3 Watt	
	27.50(d)	B4, B66	EIRP < 1Watt	
	27.50(h)	B38, B41	EIRP < 2Watt	
Peak-to-Average Ratio	22.913(d)	B5	< 13 dB	PASS
	24.232(d)	B2		
	27.50	B4, B12, B13, B38, B41, B66, B71		
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, B13, B38, B41, B66, B71		
Spurious Emission at Antenna Terminals	2.1051	/	< 43+10log10(P[Watts])	PASS
	22.917	B5		
	24.238(a)	B2		
	27.53(c)	B13		
	27.53(g)	B12, B71		



	27.53(h)	B4, B66	< 55+10log10(P[Watts])	
	27.53(m)	B41		
Band Edge	2.1051	/	Please refer to standard	PASS
	22.917	B5		
	24.238(a)	B2		
	27.53(c)	B13		
	27.53(g)	B12, B71		
	27.53(h)	B4, B66		
	27.53(m)	B41		
Field Strength of Spurious Radiation	2.1053	/	< 43+10log10(P[Watts])	PASS
	22.917	GSM850, WCDMA B5, B5, B26		
	24.238(a)	B2		
	27.53(c)	B13		
	27.53(g)	B12, B71		
	27.53(h)	B4, B66		
	27.53(m)	B41	< 55+10log10(P[Watts])	



1.1 INTRODUCTION

TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

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.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.48\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 2.52\text{dB}$
5	All emissions, radiated 1G-18GHz	$\pm 3.48\text{dB}$
6	All emissions, radiated >18GHz	$\pm 4.18\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.48\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.52\text{dB}$
9	Occupied Channel Bandwidth	$\pm 3.6\%$
10	Power Spectral Density, conducted	$\pm 1.214\text{dB}$
11	Duty Cycle	$\pm 3.2\%$

**2 PRODUCT INFORMATION**

Product Name	AI Learning Camera Cap
Brand Name	Dr.Look 
Model Name	LK-CL01-US
Series Model(s)	N/A
Model Difference	N/A
Tx Frequency:	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5:824~849MHz LTE Band 12:699~716MHz LTE Band 13:777~787MHz LTE Band 38:2570-2620 MHz LTE Band 41: 2555-2655MHz LTE Band 66:1710~1780MHz LTE Band 71: 663-698 MHz
Rx Frequency:	LTE Band 2:1930 ~1990MHz LTE Band 4:2110~2155MHz LTE Band 5:869~894MHz LTE Band 7:2620~2690MHz LTE Band 12:729~746MHz LTE Band 13:746~756MHz LTE Band 38:2570-2620 MHz LTE Band 41:2555~2655MHz LTE Band 66:2110~2200MHz LTE Band 71: 617-652 MHz
Max RF Output Power:	LTE B2: 18.99dBm, LTE B4: 18.38dBm, LTE B5: 19.22dBm, LTE B12: 19.76dBm, LTE B13: 19.51dBm, LTE B38: 19.32dBm, LTE B41: 19.26dBm, LTE B66: 18.86dBm LTE B71: 20.03dBm
Modulation Characteristics:	GMSK for GSM/GPRS; GMSK and 8PSK for EDGE WCDMA: QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK LTE: QPSK /16QAM
SIM Card:	Only support single SIM Card.
Antenna:	FPC
Antenna gain:	1.51 dBi
GPRS/EDGE Class:	Multi-Class12
Extreme Vol. Limits:	DC 3.33V ~ DC 4.07V (Normal: DC 3.7V)
Extreme Temp. Tolerance:	0℃~25℃
Power Rating	Input: DC 5V
Adapter	N/A
Battery	Model: SZA404862 Rated Voltage: 3.7V Charge Limit Voltage: 4.2V Capacity: 1600mAh
Hardware version number:	V1.0
Software version number:	1.0.1
** Note: The High Voltage DC 4.07V and Low Voltage DC 3.33V 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.

Test channel list

Band2	1.9GHz	Frequency(MHz)	Channel	Band4	1.7GHz	Frequency(MHz)	Channel
L	1.4M	1850.7	18607	L	1.4M	1710.7	19957
	3M	1851.5	18615		3M	1711.5	19965
	5M	1852.5	18625		5M	1712.5	19975
	10M	1855	18650		10M	1715	20000
	15M	1857.5	18675		15M	1717.5	20025
	20M	1860	18700		20M	1720	20050
M	1.4/3/5/10/15/20M	1880	18900	M	1.4/3/5/10/15/20M	1732.5	20175
H	1.4M	1909.3	19193	H	1.4M	1754.3	20393
	3M	1908.5	19185		3M	1753.5	20385
	5M	1907.5	19175		5M	1752.5	20375
	10M	1905	19150		10M	1750	20350
	15M	1902.5	19125		15M	1747.5	20325
	20M	1900	19100		20M	1745	20300
Band5	850MHz	Frequency(MHz)	Channel	Band12	700MHz	Frequency(MHz)	Channel
L	1.4M	824.7	20407	L	1.4M	699.7	23017
	3M	825.5	20415		3M	700.5	23025
	5M	826.5	20425		5M	701.5	23035
	10M	829	20450		10M	704	23060
M	1.4/3/5/10M	836.5	20525	M	1.4/3/5/10M	707.5	23095
H	1.4M	848.3	20643	H	1.4M	715.3	23173
	3M	847.5	20635		3M	714.5	23165
	5M	846.5	20625		5M	713.5	23155
	10M	844	20600		10M	711	23130
Band38	2.6GHz	Frequency(MHz)	Channel	Band13	700MHz	Frequency(MHz)	Channel
L	5M	2572.5	37775	L	5M	779.5	23205
	10M	2575	37800		10M	782	23230
	15M	2577.5	37825	M	5/10M	782	23230
	20M	2580	37850	H	5M	784.5	23255
M	5/10/15/20M	2595	38000		10M	782	23230
H	5M	2617.5	38225	Band41	2.5GHz	Frequency(MHz)	Channel
	10M	2615	38200	L	5M	2498.5	39675
	15M	2612.5	38175		10M	2501	39700
	20M	2610	38150		15M	2503.5	39725
					20M	2506	39750
Band66	1.7GHz	Frequency(MHz)	Channel	M	5/10/15/20M	2593	40620
L	1.4M	1710.7	131979		5M	2687.5	41565
	3M	1711.5	131987		10M	2685	41540
	5M	1712.5	131997		15M	2682.5	41515
	10M	1715	132022		20M	2680	41490
	15M	1717.5	132047				
	20M	1720	132072	Band71	600MHz	Frequency(MHz)	Channel
M	1.4/3/5/10/15/20M	1745	132322	L	5	665.5	133147
H	1.4M	1779.3	132665		10	668	133172
	3M	1778.5	132657		15	670.5	133197
	5M	1777.5	132647		20	673	133222
	10M	1775	132622	M	5/10/15/20	680.5	133297
	15M	1772.5	132597	H	5	695.5	133447
	20M	1770	132572		10	693	133422
					15	690.5	133397
					20	688	133372

**EMISSION DESIGNATOR**

LTE Band 2	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M71G7D	2M73W7D
5	4M54G7D	4M53W7D
10	9M01G7D	\
15	13M5G7D	\
20	18M0G7D	\
LTE Band 4	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M72G7D	2M72W7D
5	4M55G7D	4M54W7D
10	9M02G7D	\
15	13M5G7D	\
20	18M1G7D	\
LTE Band 5	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M72G7D	2M71W7D
5	4M56G7D	4M55W7D
10	9M05G7D	\
LTE Band 12	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M72G7D	2M72W7D
5	4M53G7D	4M55W7D
10	9M04G7D	\
LTE Band 13	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
5	4M56G7D	4M53W7D
10	9M01G7D	\
LTE Band 38	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
5	4M53G7D	4M52W7D
10	9M03G7D	\
15	13M5G7D	\
20	18M0G7D	\
LTE Band 41	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
5	4M51G7D	4M52W7D
10	9M04G7D	\
15	13M5G7D	\
20	18M0G7D	\



LTE Band 66	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M71G7D	2M71W7D
5	4M54G7D	4M54W7D
10	9M03G7D	\
15	13M5G7D	\
20	18M0G7D	\
LTE Band 71	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
5	4M54G7D	4M54W7D
10	9M02G7D	\
15	13M6G7D	\
20	18M1G7D	\



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:



LTE:

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK		1	Half	Full	L	M	H
Max. Output Power	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
	13			v	v			v		v	v	v		v	
	38			v	v	v	v	v		v	v	v	v	v	v
	41			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
	71			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
	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
	13			v	v			v		v				v	
	38			v	v	v	v	v		v			v	v	v
	41			v	v	v	v	v		v			v	v	v
	66	v	v	v	v	v	v	v		v			v	v	v
	71			v	v	v	v	v		v			v	v	v
26dB&99% Bandwidth	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
	13			v	v			v				v		v	
	38			v	v	v	v	v				v	v	v	v
	41			v	v	v	v	v				v	v	v	v
	66	v	v	v	v	v	v	v				v	v	v	v
	71			v	v	v	v	v				v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v				v	v		v
	4	v	v	v	v	v	v	v				v	v		v
	5	v	v	v	v			v				v	v		v
	12	v	v	v	v			v				v	v		v
	13			v	v			v				v		v	
	38			v	v	v	v	v				v	v		v
	41			v	v	v	v	v				v	v		v
	66	v	v	v	v	v	v	v				v	v		v
	71			v	v	v	v	v				v	v		v
Conducted Spurious Emission	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
	13			v	v			v		v		v		v	
	38			v	v	v	v	v		v		v	v	v	v
	41			v	v	v	v	v		v		v	v	v	v
	66	v	v	v	v	v	v	v		v		v	v	v	v
	71			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	
	13				v			v				v		v	
	38				v			v				v		v	
	41				v			v				v		v	
	66				v			v				v		v	
	71				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
	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
	13			v	v			v		v	v	v		v	
	38			v	v	v	v	v		v	v	v	v	v	v
	41			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
	71			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
	13			v	v			v		v				v	
	38			v	v	v	v	v		v			v	v	v
	41			v	v	v	v	v		v			v	v	v
	66	v	v	v	v	v	v	v		v			v	v	v
	71			v	v	v	v	v		v			v	v	v



4 MEASUREMENT INSTRUMENTS

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	TP502V4-P	Toprie	N/A	2025.10.09	2026.10.08
Wireless Communications Test Set	R&S	CMW 500	117239	2025.09.26	2026.09.25
Signal Generator	Agilent	83752A	3610A02740	2026.02.04	2027.02.03
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2026.02.05	2027.02.04
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2025.09.25	2026.09.24
Pre-Amplifier(18G-40GHz)	SKET	LNPA 1840-50	SK2018101801	2026.03.04	2027.03.03
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2025.09.26	2026.09.25
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Video Controller	SKET	FCS C-3	N/A	N/A	N/A
Bilog Antenna	TESEQ	CBL6111D	45873	2025.09.21	2026.09.20
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1314	2025.09.27	2027.09.26
Bilog Antenna	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2025.09.27	2027.09.26
Horn Antenna	A-INFOMW	LB-180400-KF	J211020657	2025.09.27	2027.09.26
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	N/A	N/A	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC Power Supply	Zhaoxin	RXN 605D	20R605D11010081	N/A	N/A
Test SW	EMC Test Software	25.5 en			
	EZ-EMC	Ver.STSLAB-03A1 RE			
RF Connected Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	TP502V4-P	Toprie	N/A	2025.10.09	2026.10.08
Wireless Communications Test Set	R&S	CMW 500	131428	2026.02.04	2027.02.03
Signal Analyzer	Agilent	N9020A	MY52440124	2026.02.04	2027.02.03
RF Automatic Test System	Maiwei	MW200-SFCB	N/A	N/A	N/A
Temperature & Humidity Test Chamber	Safety test	AG80L	171200018	2026.02.04	2027.02.03
Programmable Power Supply	Agilent	E3642A	MY40002025	2025.09.26	2026.09.25
POWER DIVIDER	eastsheep	PD-0.5/0.6-2S	N/A	2026.02.24	2027.02.23
Test SW	MTS 8200	2.0.0.0			

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:

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

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

where

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

P_{Meas} 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:

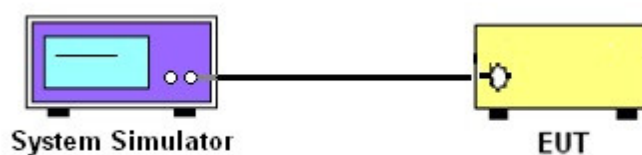
a) $\text{ERP} = \text{EIRP} - 2.15$, where ERP and EIRP are expressed in consistent units.

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

Note: The test data please reference to attachment "STS2603097W01_Appendix LTE".

5.2 PEAK TO AVERAGE RATIO

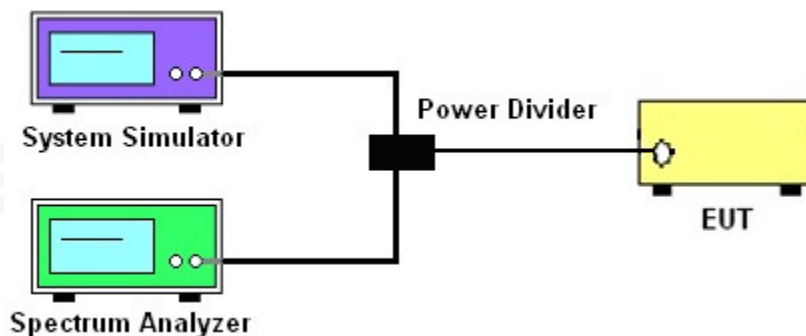
TEST OVERVIEW

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 “STS2603097W01_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.

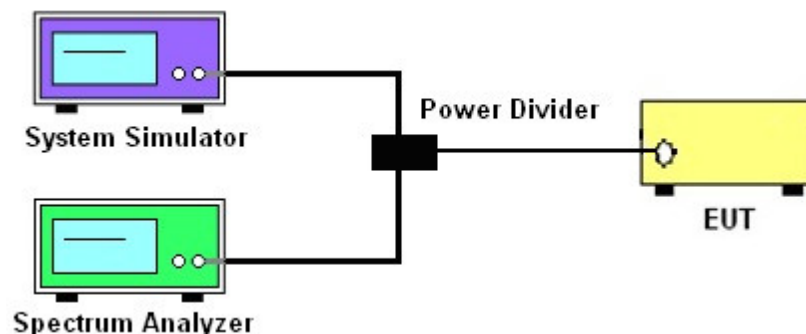
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) 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. $VBW \geq 3 \times RBW$
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 "STS2603097W01_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

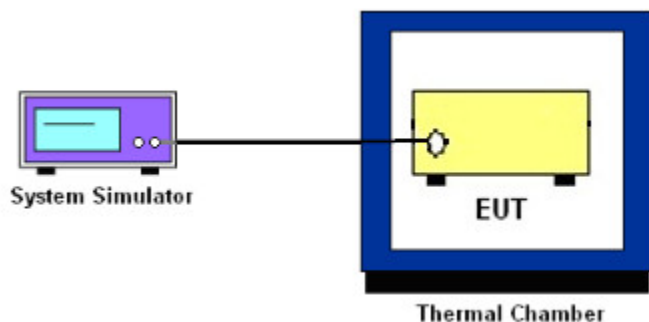
Temperature Variation

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

LTE Band 2 (QPSK) / 1880MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.89	0.019	2.5ppm	PASS
40		20.76	0.011		
30		25.98	0.014		
20		18.94	0.010		
10		31.79	0.017		
0		33.95	0.018		
-10		19.72	0.010		
-20		24.21	0.013		
-30		14.00	0.007		
20	Maximum Voltage	22.83	0.012		
20	BEP	22.97	0.012		

LTE Band 2 (QPSK) / 1880MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	13.44	0.007	2.5ppm	PASS
40		24.98	0.013		
30		19.49	0.010		
20		20.13	0.011		
10		15.76	0.008		
0		24.12	0.013		
-10		19.33	0.010		
-20		12.89	0.007		
-30		28.85	0.015		
20	Maximum Voltage	16.10	0.009		
20	BEP	13.68	0.007		

LTE Band 4 (QPSK) / 1733MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	25.10	0.014	2.5ppm	PASS
40		27.24	0.016		
30		36.32	0.021		
20		23.52	0.014		
10		26.46	0.015		
0		26.02	0.015		
-10		28.29	0.016		
-20		34.73	0.020		
-30		11.65	0.007		
20	Maximum Voltage	35.92	0.021		
20	BEP	22.14	0.013		



LTE Band 4 (QPSK) / 1733MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.51	0.010	2.5ppm	PASS
40		29.90	0.017		
30		19.11	0.011		
20		35.59	0.021		
10		13.27	0.008		
0		35.36	0.020		
-10		34.71	0.020		
-20		25.65	0.015		
-30		25.10	0.014		
20	Maximum Voltage	19.20	0.011		
20	BEP	27.99	0.016		

LTE Band 5 (QPSK) / 836.5MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.01	0.037	2.5ppm	PASS
40		34.30	0.041		
30		14.26	0.017		
20		30.25	0.036		
10		29.17	0.035		
0		23.03	0.028		
-10		30.27	0.036		
-20		20.99	0.025		
-30		22.37	0.027		
20	Maximum Voltage	27.49	0.033		
20	BEP	29.64	0.035		

LTE Band 5 (QPSK) / 836.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.25	0.041	2.5ppm	PASS
40		19.47	0.023		
30		21.03	0.025		
20		18.10	0.022		
10		15.40	0.018		
0		17.56	0.021		
-10		20.71	0.025		
-20		27.88	0.033		
-30		35.96	0.043		
20	Maximum Voltage	23.42	0.028		
20	BEP	20.62	0.025		



LTE Band 12 (QPSK) / 707.5MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	15.46	0.022	2.5ppm	PASS
40		30.46	0.043		
30		20.64	0.029		
20		16.99	0.024		
10		29.28	0.041		
0		26.32	0.037		
-10		12.71	0.018		
-20		36.24	0.051		
-30		21.25	0.030		
20	Maximum Voltage	15.75	0.022		
20	BEP	16.77	0.024		

LTE Band 12 (QPSK) / 707.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.71	0.024	2.5ppm	PASS
40		35.55	0.050		
30		16.96	0.024		
20		34.10	0.048		
10		16.86	0.024		
0		31.78	0.045		
-10		34.49	0.049		
-20		21.06	0.030		
-30		30.47	0.043		
20	Maximum Voltage	29.08	0.041		
20	BEP	36.46	0.052		

LTE Band 13 (QPSK) / 782MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	23.03	0.029	2.5ppm	PASS
40		25.04	0.032		
30		35.25	0.045		
20		15.69	0.020		
10		16.47	0.021		
0		31.44	0.040		
-10		24.16	0.031		
-20		25.97	0.033		
-30		32.60	0.042		
20	Maximum Voltage	19.88	0.025		
20	BEP	20.24	0.026		



LTE Band 13 (QPSK) / 782MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.43	0.044	2.5ppm	PASS
40		25.89	0.033		
30		32.00	0.041		
20		15.64	0.020		
10		12.04	0.015		
0		11.74	0.015		
-10		24.32	0.031		
-20		26.27	0.034		
-30		29.22	0.037		
20	Maximum Voltage	32.21	0.041		
20	BEP	14.58	0.019		

LTE Band 38 (QPSK) / 2595MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	33.07	0.013	2.5ppm	PASS
40		18.15	0.007		
30		15.64	0.006		
20		29.20	0.011		
10		26.88	0.010		
0		35.22	0.014		
-10		21.91	0.008		
-20		27.18	0.010		
-30		30.44	0.012		
20	Maximum Voltage	25.03	0.010		
20	BEP	14.01	0.005		

LTE Band 38 (QPSK) / 2595MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	15.20	0.006	2.5ppm	PASS
40		28.45	0.011		
30		33.33	0.013		
20		14.34	0.006		
10		31.59	0.012		
0		32.13	0.012		
-10		20.67	0.008		
-20		19.44	0.007		
-30		23.02	0.009		
20	Maximum Voltage	19.73	0.008		
20	BEP	22.47	0.009		



LTE Band 41 (QPSK) / 2593MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	26.04	0.010	2.5ppm	PASS
40		23.45	0.009		
30		28.28	0.011		
20		13.94	0.005		
10		13.62	0.005		
0		22.85	0.009		
-10		17.13	0.007		
-20		11.67	0.005		
-30		31.87	0.012		
20	Maximum Voltage	27.78	0.011		
20	BEP	25.53	0.010		

LTE Band 41 (QPSK) / 2593MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	33.95	0.013	2.5ppm	PASS
40		16.45	0.006		
30		15.12	0.006		
20		14.55	0.006		
10		29.18	0.011		
0		13.59	0.005		
-10		33.53	0.013		
-20		16.97	0.007		
-30		14.36	0.006		
20	Maximum Voltage	27.75	0.011		
20	BEP	27.48	0.011		

LTE Band 66 (QPSK) / 1745MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	35.00	0.020	2.5ppm	PASS
40		25.41	0.015		
30		27.66	0.016		
20		34.43	0.020		
10		24.31	0.014		
0		29.95	0.017		
-10		28.73	0.016		
-20		17.46	0.010		
-30		28.31	0.016		
20	Maximum Voltage	22.36	0.013		
20	BEP	35.15	0.020		



LTE Band 66 (QPSK) / 1745MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	30.79	0.018	2.5ppm	PASS
40		24.63	0.014		
30		18.62	0.011		
20		21.54	0.012		
10		15.60	0.009		
0		24.81	0.014		
-10		29.67	0.017		
-20		20.06	0.011		
-30		21.22	0.012		
20	Maximum Voltage	21.47	0.012		
20	BEP	15.92	0.009		

LTE Band 71 (QPSK) / 680.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	25.60	0.038	2.5ppm	PASS
40		24.82	0.036		
30		33.43	0.049		
20		16.14	0.024		
10		14.98	0.022		
0		12.41	0.018		
-10		30.22	0.044		
-20		33.46	0.049		
-30		31.98	0.047		
20	Maximum Voltage	31.19	0.046		
20	BEP	27.21	0.040		

LTE Band 71 (QPSK) / 680.5MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.47	0.024	2.5ppm	PASS
40		33.77	0.050		
30		35.52	0.052		
20		21.99	0.032		
10		31.88	0.047		
0		13.18	0.019		
-10		17.38	0.026		
-20		17.10	0.025		
-30		12.72	0.019		
20	Maximum Voltage	16.21	0.024		
20	BEP	18.36	0.027		

5.5 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

TEST OVERVIEW

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7:

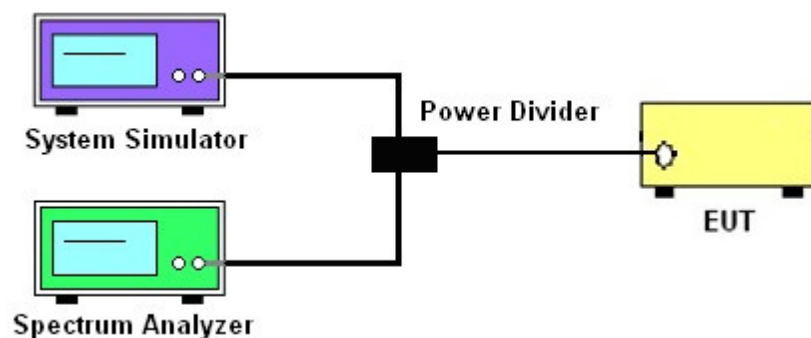
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0. and ANSI C63.26-2015-Section 5.7.
 2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
 3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
 4. The middle channel for the highest RF power within the transmitting frequency was measured.
 5. The conducted spurious emission for the whole frequency range was taken.
 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
 7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
- $$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$
- $$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$
- $$= -13\text{dBm}.$$

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2603097W01_Appendix LTE”.



5.6 BAND EDGE

TEST OVERVIEW

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. 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

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4. §27.53(m)(4)

For operations in the 2500 MHz ~ 2570 MHz band this section, 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 than $43 + 10 \log (P)$ 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.

5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26-2015-Section 5.7
 2. Start and stop frequency were set such that the band edge would be placed in the center of the Plot.
 3. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
 4. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator.
- The path loss was compensated to the results for each measurement.
5. The band edges of low and high channels for the highest RF powers were measured.
 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

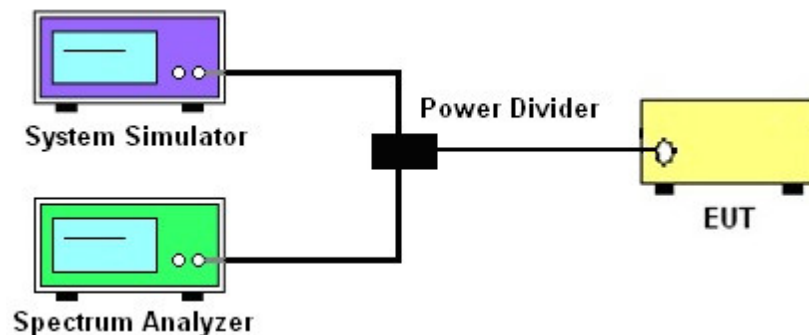
Band 7:

$$= P(W) - [55 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm.}$$

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment "STS2603097W01_Appendix LTE".



5.7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

TEST OVERVIEW

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power and at the appropriate frequencies.

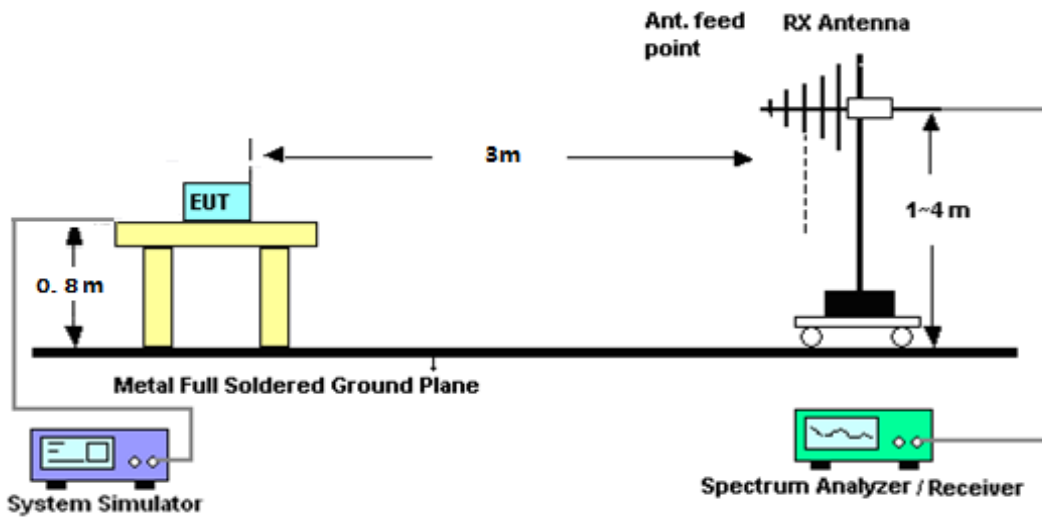
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

TEST PROCEDURE

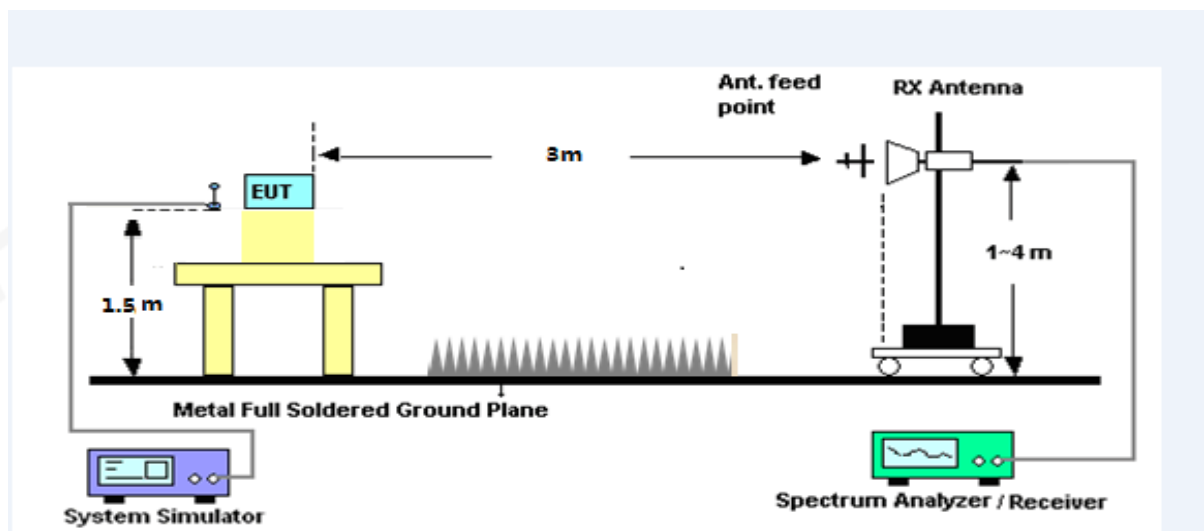
1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26-2015-Section 5.5.
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $> 2 \times$ span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.
 $P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}$; $\text{Margin} = P_{Mea} - \text{Limit}$.

TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



TEST RESULT

- Note:** (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.
- (2) Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value
- (3) Test is divided into three directions, X/Y/Z. X pattern for the worst.

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3701.09	-34.03	12.60	12.93	-34.36	-13.00	-21.36	H
5551.75	-34.51	13.10	17.11	-38.52	-13.00	-25.52	H
7402.81	-33.16	11.50	22.20	-43.86	-13.00	-30.86	H
3701.09	-35.31	12.60	12.93	-35.64	-13.00	-22.64	V
5551.75	-33.97	13.10	17.11	-37.98	-13.00	-24.98	V
7402.81	-31.89	11.50	22.20	-42.59	-13.00	-29.59	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.84	-33.46	12.60	12.93	-33.79	-13.00	-20.79	H
5640.13	-34.70	13.10	17.11	-38.71	-13.00	-25.71	H
7519.82	-32.89	11.50	22.20	-43.59	-13.00	-30.59	H
3759.84	-35.14	12.60	12.93	-35.47	-13.00	-22.47	V
5640.13	-35.00	13.10	17.11	-39.01	-13.00	-26.01	V
7519.82	-32.79	11.50	22.20	-43.49	-13.00	-30.49	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3818.13	-34.91	12.60	12.93	-35.24	-13.00	-22.24	H
5727.60	-34.99	13.10	17.11	-39.00	-13.00	-26.00	H
7636.88	-33.16	11.50	22.20	-43.86	-13.00	-30.86	H
3818.13	-34.66	12.60	12.93	-34.99	-13.00	-21.99	V
5727.60	-34.07	13.10	17.11	-38.08	-13.00	-25.08	V
7636.88	-31.78	11.50	22.20	-42.48	-13.00	-29.48	V



LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3703.00	-34.69	12.60	12.93	-35.02	-13.00	-22.02	H
5554.20	-35.05	13.10	17.11	-39.06	-13.00	-26.06	H
7406.03	-32.84	11.50	22.20	-43.54	-13.00	-30.54	H
3703.00	-35.01	12.60	12.93	-35.34	-13.00	-22.34	V
5554.20	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7406.03	-32.34	11.50	22.20	-43.04	-13.00	-30.04	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.98	-34.20	12.60	12.93	-34.53	-13.00	-21.53	H
5640.24	-35.11	13.10	17.11	-39.12	-13.00	-26.12	H
7520.08	-33.38	11.50	22.20	-44.08	-13.00	-31.08	H
3759.98	-35.04	12.60	12.93	-35.37	-13.00	-22.37	V
5640.24	-34.95	13.10	17.11	-38.96	-13.00	-25.96	V
7520.08	-32.66	11.50	22.20	-43.36	-13.00	-30.36	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3816.87	-34.22	12.60	12.93	-34.55	-13.00	-21.55	H
5725.28	-34.93	13.10	17.11	-38.94	-13.00	-25.94	H
7633.98	-33.30	11.50	22.20	-44.00	-13.00	-31.00	H
3816.87	-34.78	12.60	12.93	-35.11	-13.00	-22.11	V
5725.28	-34.72	13.10	17.11	-38.73	-13.00	-25.73	V
7633.98	-31.77	11.50	22.20	-42.47	-13.00	-29.47	V



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3705.45	-33.45	12.60	12.93	-33.78	-13.00	-20.78	H
5557.10	-34.59	13.10	17.11	-38.60	-13.00	-25.60	H
7410.00	-33.48	11.50	22.20	-44.18	-13.00	-31.18	H
3705.45	-34.91	12.60	12.93	-35.24	-13.00	-22.24	V
5557.10	-34.57	13.10	17.11	-38.58	-13.00	-25.58	V
7410.00	-32.47	11.50	22.20	-43.17	-13.00	-30.17	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.01	-33.66	12.60	12.93	-33.99	-13.00	-20.99	H
5640.12	-34.70	13.10	17.11	-38.71	-13.00	-25.71	H
7519.83	-33.54	11.50	22.20	-44.24	-13.00	-31.24	H
3760.01	-35.62	12.60	12.93	-35.95	-13.00	-22.95	V
5640.12	-35.10	13.10	17.11	-39.11	-13.00	-26.11	V
7519.83	-31.93	11.50	22.20	-42.63	-13.00	-29.63	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3815.16	-34.49	12.60	12.93	-34.82	-13.00	-21.82	H
5722.10	-35.05	13.10	17.11	-39.06	-13.00	-26.06	H
7630.14	-32.50	11.50	22.20	-43.20	-13.00	-30.20	H
3815.16	-35.85	12.60	12.93	-36.18	-13.00	-23.18	V
5722.10	-34.19	13.10	17.11	-38.20	-13.00	-25.20	V
7630.14	-33.05	11.50	22.20	-43.75	-13.00	-30.75	V



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3710.27	-34.57	12.60	12.93	-34.90	-13.00	-21.90	H
5565.34	-35.42	13.10	17.11	-39.43	-13.00	-26.43	H
7420.08	-32.72	11.50	22.20	-43.42	-13.00	-30.42	H
3710.27	-34.88	12.60	12.93	-35.21	-13.00	-22.21	V
5565.34	-34.24	13.10	17.11	-38.25	-13.00	-25.25	V
7420.08	-32.07	11.50	22.20	-42.77	-13.00	-29.77	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.82	-34.20	12.60	12.93	-34.53	-13.00	-21.53	H
5640.27	-35.43	13.10	17.11	-39.44	-13.00	-26.44	H
7520.17	-33.61	11.50	22.20	-44.31	-13.00	-31.31	H
3759.82	-35.49	12.60	12.93	-35.82	-13.00	-22.82	V
5640.27	-34.79	13.10	17.11	-38.80	-13.00	-25.80	V
7520.17	-33.02	11.50	22.20	-43.72	-13.00	-30.72	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3810.32	-34.09	12.60	12.93	-34.42	-13.00	-21.42	H
5714.78	-34.23	13.10	17.11	-38.24	-13.00	-25.24	H
7620.33	-33.11	11.50	22.20	-43.81	-13.00	-30.81	H
3810.32	-34.65	12.60	12.93	-34.98	-13.00	-21.98	V
5714.78	-35.07	13.10	17.11	-39.08	-13.00	-26.08	V
7620.33	-32.82	11.50	22.20	-43.52	-13.00	-30.52	V



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3714.80	-33.66	12.60	12.93	-33.99	-13.00	-20.99	H
5572.55	-35.25	13.10	17.11	-39.26	-13.00	-26.26	H
7430.39	-32.67	11.50	22.20	-43.37	-13.00	-30.37	H
3714.80	-34.68	12.60	12.93	-35.01	-13.00	-22.01	V
5572.55	-34.32	13.10	17.11	-38.33	-13.00	-25.33	V
7430.39	-31.82	11.50	22.20	-42.52	-13.00	-29.52	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.82	-34.92	12.60	12.93	-35.25	-13.00	-22.25	H
5640.22	-34.28	13.10	17.11	-38.29	-13.00	-25.29	H
7519.99	-33.51	11.50	22.20	-44.21	-13.00	-31.21	H
3759.82	-35.99	12.60	12.93	-36.32	-13.00	-23.32	V
5640.22	-34.85	13.10	17.11	-38.86	-13.00	-25.86	V
7519.99	-32.34	11.50	22.20	-43.04	-13.00	-30.04	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3804.97	-33.59	12.60	12.93	-33.92	-13.00	-20.92	H
5707.65	-35.20	13.10	17.11	-39.21	-13.00	-26.21	H
7609.94	-33.13	11.50	22.20	-43.83	-13.00	-30.83	H
3804.97	-35.21	12.60	12.93	-35.54	-13.00	-22.54	V
5707.65	-34.09	13.10	17.11	-38.10	-13.00	-25.10	V
7609.94	-31.82	11.50	22.20	-42.52	-13.00	-29.52	V



LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3720.39	-34.24	12.60	12.93	-34.57	-13.00	-21.57	H
5580.57	-34.36	13.10	17.11	-38.37	-13.00	-25.37	H
7439.77	-32.26	11.50	22.20	-42.96	-13.00	-29.96	H
3720.39	-34.53	12.60	12.93	-34.86	-13.00	-21.86	V
5580.57	-33.91	13.10	17.11	-37.92	-13.00	-24.92	V
7439.77	-33.08	11.50	22.20	-43.78	-13.00	-30.78	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.24	-34.51	12.60	12.93	-34.84	-13.00	-21.84	H
5640.10	-34.69	13.10	17.11	-38.70	-13.00	-25.70	H
7520.16	-32.52	11.50	22.20	-43.22	-13.00	-30.22	H
3760.24	-34.97	12.60	12.93	-35.30	-13.00	-22.30	V
5640.10	-34.39	13.10	17.11	-38.40	-13.00	-25.40	V
7520.16	-32.76	11.50	22.20	-43.46	-13.00	-30.46	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3799.82	-34.90	12.60	12.93	-35.23	-13.00	-22.23	H
5699.79	-34.76	13.10	17.11	-38.77	-13.00	-25.77	H
7600.09	-33.31	11.50	22.20	-44.01	-13.00	-31.01	H
3799.82	-35.28	12.60	12.93	-35.61	-13.00	-22.61	V
5699.79	-33.80	13.10	17.11	-37.81	-13.00	-24.81	V
7600.09	-31.90	11.50	22.20	-42.60	-13.00	-29.60	V



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3421.18	-34.40	12.90	12.56	-34.06	-13.00	-21.06	H
5132.03	-34.22	13.10	16.32	-37.44	-13.00	-24.44	H
6842.61	-33.25	12.33	21.13	-42.05	-13.00	-29.05	H
3421.18	-35.97	12.90	12.56	-35.63	-13.00	-22.63	V
5132.03	-35.13	13.10	16.32	-38.35	-13.00	-25.35	V
6842.61	-32.06	12.33	21.13	-40.86	-13.00	-27.86	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.67	-34.02	12.90	12.56	-33.68	-13.00	-20.68	H
5196.86	-35.19	13.10	16.32	-38.41	-13.00	-25.41	H
6930.09	-32.92	12.33	21.13	-41.72	-13.00	-28.72	H
3464.67	-35.94	12.90	12.56	-35.60	-13.00	-22.60	V
5196.86	-35.12	13.10	16.32	-38.34	-13.00	-25.34	V
6930.09	-32.72	12.33	21.13	-41.52	-13.00	-28.52	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3508.22	-34.66	12.90	12.56	-34.32	-13.00	-21.32	H
5262.39	-34.85	13.10	16.32	-38.07	-13.00	-25.07	H
7015.77	-33.64	12.33	21.13	-42.44	-13.00	-29.44	H
3508.22	-35.62	12.90	12.56	-35.28	-13.00	-22.28	V
5262.39	-34.50	13.10	16.32	-37.72	-13.00	-24.72	V
7015.77	-31.78	12.33	21.13	-40.58	-13.00	-27.58	V



LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3423.91	-34.04	12.90	12.56	-33.70	-13.00	-20.70	H
5135.79	-34.89	13.10	16.32	-38.11	-13.00	-25.11	H
6848.45	-32.25	12.33	21.13	-41.05	-13.00	-28.05	H
3423.91	-35.55	12.90	12.56	-35.21	-13.00	-22.21	V
5135.79	-34.41	13.10	16.32	-37.63	-13.00	-24.63	V
6848.45	-31.73	12.33	21.13	-40.53	-13.00	-27.53	V
LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.59	-33.89	12.90	12.56	-33.55	-13.00	-20.55	H
5196.84	-35.31	13.10	16.32	-38.53	-13.00	-25.53	H
6930.09	-32.63	12.33	21.13	-41.43	-13.00	-28.43	H
3464.59	-34.54	12.90	12.56	-34.20	-13.00	-21.20	V
5196.84	-35.20	13.10	16.32	-38.42	-13.00	-25.42	V
6930.09	-32.60	12.33	21.13	-41.40	-13.00	-28.40	V
LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3505.95	-34.65	12.90	12.56	-34.31	-13.00	-21.31	H
5262.04	-35.20	13.10	16.32	-38.42	-13.00	-25.42	H
7012.45	-32.54	12.33	21.13	-41.34	-13.00	-28.34	H
3505.95	-35.12	12.90	12.56	-34.78	-13.00	-21.78	V
5262.04	-34.29	13.10	16.32	-37.51	-13.00	-24.51	V
7012.45	-32.10	12.33	21.13	-40.90	-13.00	-27.90	V



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3424.91	-33.54	12.90	12.56	-33.20	-13.00	-20.20	H
5137.14	-35.13	13.10	16.32	-38.35	-13.00	-25.35	H
6849.66	-32.79	12.33	21.13	-41.59	-13.00	-28.59	H
3424.91	-35.92	12.90	12.56	-35.58	-13.00	-22.58	V
5137.14	-35.19	13.10	16.32	-38.41	-13.00	-25.41	V
6849.66	-32.43	12.33	21.13	-41.23	-13.00	-28.23	V
LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.74	-34.60	12.90	12.56	-34.26	-13.00	-21.26	H
5196.58	-34.17	13.10	16.32	-37.39	-13.00	-24.39	H
6929.99	-32.62	12.33	21.13	-41.42	-13.00	-28.42	H
3464.74	-34.99	12.90	12.56	-34.65	-13.00	-21.65	V
5196.58	-33.87	13.10	16.32	-37.09	-13.00	-24.09	V
6929.99	-33.20	12.33	21.13	-42.00	-13.00	-29.00	V
LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3505.26	-34.16	12.90	12.56	-33.82	-13.00	-20.82	H
5257.09	-34.42	13.10	16.32	-37.64	-13.00	-24.64	H
7010.00	-32.28	12.33	21.13	-41.08	-13.00	-28.08	H
3505.26	-34.90	12.90	12.56	-34.56	-13.00	-21.56	V
5257.09	-35.03	13.10	16.32	-38.25	-13.00	-25.25	V
7010.00	-32.07	12.33	21.13	-40.87	-13.00	-27.87	V



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3430.13	-33.87	12.90	12.56	-33.53	-13.00	-20.53	H
5145.23	-34.29	13.10	16.32	-37.51	-13.00	-24.51	H
6860.48	-32.98	12.33	21.13	-41.78	-13.00	-28.78	H
3430.13	-35.54	12.90	12.56	-35.20	-13.00	-22.20	V
5145.23	-35.19	13.10	16.32	-38.41	-13.00	-25.41	V
6860.48	-32.72	12.33	21.13	-41.52	-13.00	-28.52	V
LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.70	-34.51	12.90	12.56	-34.17	-13.00	-21.17	H
5196.39	-34.97	13.10	16.32	-38.19	-13.00	-25.19	H
6929.69	-32.21	12.33	21.13	-41.01	-13.00	-28.01	H
3464.70	-35.30	12.90	12.56	-34.96	-13.00	-21.96	V
5196.39	-34.27	13.10	16.32	-37.49	-13.00	-24.49	V
6929.69	-32.28	12.33	21.13	-41.08	-13.00	-28.08	V
LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3500.33	-34.34	12.90	12.56	-34.00	-13.00	-21.00	H
5250.08	-34.28	13.10	16.32	-37.50	-13.00	-24.50	H
6999.71	-32.63	12.33	21.13	-41.43	-13.00	-28.43	H
3500.33	-35.98	12.90	12.56	-35.64	-13.00	-22.64	V
5250.08	-34.75	13.10	16.32	-37.97	-13.00	-24.97	V
6999.71	-32.11	12.33	21.13	-40.91	-13.00	-27.91	V



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3434.88	-33.69	12.90	12.56	-33.35	-13.00	-20.35	H
5152.44	-34.52	13.10	16.32	-37.74	-13.00	-24.74	H
6870.53	-32.81	12.33	21.13	-41.61	-13.00	-28.61	H
3434.88	-34.87	12.90	12.56	-34.53	-13.00	-21.53	V
5152.44	-33.88	13.10	16.32	-37.10	-13.00	-24.10	V
6870.53	-31.76	12.33	21.13	-40.56	-13.00	-27.56	V
LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.89	-34.57	12.90	12.56	-34.23	-13.00	-21.23	H
5196.48	-34.63	13.10	16.32	-37.85	-13.00	-24.85	H
6930.16	-33.18	12.33	21.13	-41.98	-13.00	-28.98	H
3464.89	-34.93	12.90	12.56	-34.59	-13.00	-21.59	V
5196.48	-34.24	13.10	16.32	-37.46	-13.00	-24.46	V
6930.16	-32.28	12.33	21.13	-41.08	-13.00	-28.08	V
LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3495.24	-33.93	12.90	12.56	-33.59	-13.00	-20.59	H
5242.11	-35.12	13.10	16.32	-38.34	-13.00	-25.34	H
6990.37	-32.55	12.33	21.13	-41.35	-13.00	-28.35	H
3495.24	-35.35	12.90	12.56	-35.01	-13.00	-22.01	V
5242.11	-34.75	13.10	16.32	-37.97	-13.00	-24.97	V
6990.37	-32.69	12.33	21.13	-41.49	-13.00	-28.49	V



LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3440.18	-34.84	12.90	12.56	-34.50	-13.00	-21.50	H
5160.16	-34.31	13.10	16.32	-37.53	-13.00	-24.53	H
6880.67	-32.92	12.33	21.13	-41.72	-13.00	-28.72	H
3440.18	-35.57	12.90	12.56	-35.23	-13.00	-22.23	V
5160.16	-35.23	13.10	16.32	-38.45	-13.00	-25.45	V
6880.67	-32.35	12.33	21.13	-41.15	-13.00	-28.15	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.97	-34.28	12.90	12.56	-33.94	-13.00	-20.94	H
5196.35	-34.42	13.10	16.32	-37.64	-13.00	-24.64	H
6930.00	-33.58	12.33	21.13	-42.38	-13.00	-29.38	H
3464.97	-35.20	12.90	12.56	-34.86	-13.00	-21.86	V
5196.35	-34.38	13.10	16.32	-37.60	-13.00	-24.60	V
6930.00	-32.92	12.33	21.13	-41.72	-13.00	-28.72	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.46	-34.74	12.90	12.56	-34.40	-13.00	-21.40	H
5234.86	-35.03	13.10	16.32	-38.25	-13.00	-25.25	H
6979.75	-32.55	12.33	21.13	-41.35	-13.00	-28.35	H
3490.46	-34.54	12.90	12.56	-34.20	-13.00	-21.20	V
5234.86	-34.57	13.10	16.32	-37.79	-13.00	-24.79	V
6979.75	-32.62	12.33	21.13	-41.42	-13.00	-28.42	V



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1648.79	-34.14	9.56	9.72	-34.30	-13.00	-21.30	H
2473.63	-35.38	10.50	10.86	-35.74	-13.00	-22.74	H
3298.44	-33.16	12.78	11.57	-31.95	-13.00	-18.95	H
1648.79	-35.83	9.56	9.72	-35.99	-13.00	-22.99	V
2473.63	-34.30	10.50	10.86	-34.66	-13.00	-21.66	V
3298.44	-31.99	12.78	11.57	-30.78	-13.00	-17.78	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.83	-34.85	9.56	9.72	-35.01	-13.00	-22.01	H
2509.10	-35.16	10.50	10.86	-35.52	-13.00	-22.52	H
3345.71	-32.41	12.78	11.57	-31.20	-13.00	-18.20	H
1672.83	-34.83	9.56	9.72	-34.99	-13.00	-21.99	V
2509.10	-34.00	10.50	10.86	-34.36	-13.00	-21.36	V
3345.71	-31.73	12.78	11.57	-30.52	-13.00	-17.52	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1695.96	-34.11	9.56	9.72	-34.27	-13.00	-21.27	H
2544.33	-34.31	10.50	10.86	-34.67	-13.00	-21.67	H
3393.14	-32.97	12.78	11.57	-31.76	-13.00	-18.76	H
1695.96	-34.71	9.56	9.72	-34.87	-13.00	-21.87	V
2544.33	-34.24	10.50	10.86	-34.60	-13.00	-21.60	V
3393.14	-32.45	12.78	11.57	-31.24	-13.00	-18.24	V



LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1650.33	-34.18	9.56	9.72	-34.34	-13.00	-21.34	H
2475.95	-34.98	10.50	10.86	-35.34	-13.00	-22.34	H
3301.54	-33.50	12.78	11.57	-32.29	-13.00	-19.29	H
1650.33	-34.57	9.56	9.72	-34.73	-13.00	-21.73	V
2475.95	-34.59	10.50	10.86	-34.95	-13.00	-21.95	V
3301.54	-32.33	12.78	11.57	-31.12	-13.00	-18.12	V
LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.25	-34.35	9.56	9.72	-34.51	-13.00	-21.51	H
2509.11	-34.81	10.50	10.86	-35.17	-13.00	-22.17	H
3345.91	-32.46	12.78	11.57	-31.25	-13.00	-18.25	H
1672.25	-35.11	9.56	9.72	-35.27	-13.00	-22.27	V
2509.11	-35.08	10.50	10.86	-35.44	-13.00	-22.44	V
3345.91	-33.09	12.78	11.57	-31.88	-13.00	-18.88	V
LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1694.64	-34.05	9.56	9.72	-34.21	-13.00	-21.21	H
2542.05	-34.46	10.50	10.86	-34.82	-13.00	-21.82	H
3389.13	-33.03	12.78	11.57	-31.82	-13.00	-18.82	H
1694.64	-34.57	9.56	9.72	-34.73	-13.00	-21.73	V
2542.05	-34.56	10.50	10.86	-34.92	-13.00	-21.92	V
3389.13	-32.97	12.78	11.57	-31.76	-13.00	-18.76	V



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1652.73	-34.62	9.56	9.72	-34.78	-13.00	-21.78	H
2478.86	-35.14	10.50	10.86	-35.50	-13.00	-22.50	H
3305.78	-33.15	12.78	11.57	-31.94	-13.00	-18.94	H
1652.73	-35.31	9.56	9.72	-35.47	-13.00	-22.47	V
2478.86	-34.30	10.50	10.86	-34.66	-13.00	-21.66	V
3305.78	-31.77	12.78	11.57	-30.56	-13.00	-17.56	V
LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.54	-34.55	9.56	9.72	-34.71	-13.00	-21.71	H
2508.77	-34.22	10.50	10.86	-34.58	-13.00	-21.58	H
3345.59	-33.45	12.78	11.57	-32.24	-13.00	-19.24	H
1672.54	-35.66	9.56	9.72	-35.82	-13.00	-22.82	V
2508.77	-34.00	10.50	10.86	-34.36	-13.00	-21.36	V
3345.59	-32.61	12.78	11.57	-31.40	-13.00	-18.40	V
LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1692.26	-34.87	9.56	9.72	-35.03	-13.00	-22.03	H
2538.95	-35.13	10.50	10.86	-35.49	-13.00	-22.49	H
3385.58	-33.53	12.78	11.57	-32.32	-13.00	-19.32	H
1692.26	-35.37	9.56	9.72	-35.53	-13.00	-22.53	V
2538.95	-33.86	10.50	10.86	-34.22	-13.00	-21.22	V
3385.58	-31.82	12.78	11.57	-30.61	-13.00	-17.61	V



LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1657.86	-33.70	9.56	9.72	-33.86	-13.00	-20.86	H
2486.22	-34.02	10.50	10.86	-34.38	-13.00	-21.38	H
3315.24	-32.91	12.78	11.57	-31.70	-13.00	-18.70	H
1657.86	-35.85	9.56	9.72	-36.01	-13.00	-23.01	V
2486.22	-35.05	10.50	10.86	-35.41	-13.00	-22.41	V
3315.24	-31.87	12.78	11.57	-30.66	-13.00	-17.66	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.46	-34.73	9.56	9.72	-34.89	-13.00	-21.89	H
2509.14	-35.21	10.50	10.86	-35.57	-13.00	-22.57	H
3345.31	-32.79	12.78	11.57	-31.58	-13.00	-18.58	H
1672.46	-35.68	9.56	9.72	-35.84	-13.00	-22.84	V
2509.14	-33.93	10.50	10.86	-34.29	-13.00	-21.29	V
3345.31	-32.24	12.78	11.57	-31.03	-13.00	-18.03	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1687.45	-34.45	9.56	9.72	-34.61	-13.00	-21.61	H
2531.25	-35.36	10.50	10.86	-35.72	-13.00	-22.72	H
3375.66	-33.06	12.78	11.57	-31.85	-13.00	-18.85	H
1687.45	-35.41	9.56	9.72	-35.57	-13.00	-22.57	V
2531.25	-34.35	10.50	10.86	-34.71	-13.00	-21.71	V
3375.66	-32.52	12.78	11.57	-31.31	-13.00	-18.31	V



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1398.97	-34.34	8.17	9.34	-35.51	-13.00	-22.51	H
2098.87	-35.14	9.53	10.42	-36.03	-13.00	-23.03	H
2798.53	-32.24	11.27	11.12	-32.09	-13.00	-19.09	H
1398.97	-34.95	8.17	9.34	-36.12	-13.00	-23.12	V
2098.87	-34.14	9.53	10.42	-35.03	-13.00	-22.03	V
2798.53	-32.37	11.27	11.12	-32.22	-13.00	-19.22	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.82	-33.67	8.17	9.34	-34.84	-13.00	-21.84	H
2122.44	-34.82	9.53	10.42	-35.71	-13.00	-22.71	H
2829.90	-33.25	11.27	11.12	-33.10	-13.00	-20.10	H
1414.82	-34.81	8.17	9.34	-35.98	-13.00	-22.98	V
2122.44	-34.24	9.53	10.42	-35.13	-13.00	-22.13	V
2829.90	-32.17	11.27	11.12	-32.02	-13.00	-19.02	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1430.33	-34.69	8.17	9.34	-35.86	-13.00	-22.86	H
2145.77	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2860.94	-33.20	11.27	11.12	-33.05	-13.00	-20.05	H
1430.33	-34.79	8.17	9.34	-35.96	-13.00	-22.96	V
2145.77	-34.32	9.53	10.42	-35.21	-13.00	-22.21	V
2860.94	-32.96	11.27	11.12	-32.81	-13.00	-19.81	V



LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1400.56	-34.55	8.17	9.34	-35.72	-13.00	-22.72	H
2101.40	-34.15	9.53	10.42	-35.04	-13.00	-22.04	H
2801.59	-33.03	11.27	11.12	-32.88	-13.00	-19.88	H
1400.56	-35.38	8.17	9.34	-36.55	-13.00	-23.55	V
2101.40	-34.70	9.53	10.42	-35.59	-13.00	-22.59	V
2801.59	-32.73	11.27	11.12	-32.58	-13.00	-19.58	V
LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.73	-34.85	8.17	9.34	-36.02	-13.00	-23.02	H
2122.30	-35.46	9.53	10.42	-36.35	-13.00	-23.35	H
2829.87	-32.33	11.27	11.12	-32.18	-13.00	-19.18	H
1414.73	-34.95	8.17	9.34	-36.12	-13.00	-23.12	V
2122.30	-34.43	9.53	10.42	-35.32	-13.00	-22.32	V
2829.87	-32.86	11.27	11.12	-32.71	-13.00	-19.71	V
LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1428.71	-34.35	8.17	9.34	-35.52	-13.00	-22.52	H
2143.24	-34.82	9.53	10.42	-35.71	-13.00	-22.71	H
2857.91	-32.69	11.27	11.12	-32.54	-13.00	-19.54	H
1428.71	-35.94	8.17	9.34	-37.11	-13.00	-24.11	V
2143.24	-33.99	9.53	10.42	-34.88	-13.00	-21.88	V
2857.91	-32.37	11.27	11.12	-32.22	-13.00	-19.22	V



LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1402.91	-33.73	8.17	9.34	-34.90	-13.00	-21.90	H
2104.44	-34.77	9.53	10.42	-35.66	-13.00	-22.66	H
2805.90	-32.51	11.27	11.12	-32.36	-13.00	-19.36	H
1402.91	-35.36	8.17	9.34	-36.53	-13.00	-23.53	V
2104.44	-35.14	9.53	10.42	-36.03	-13.00	-23.03	V
2805.90	-32.65	11.27	11.12	-32.50	-13.00	-19.50	V
LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.92	-33.68	8.17	9.34	-34.85	-13.00	-21.85	H
2122.35	-34.15	9.53	10.42	-35.04	-13.00	-22.04	H
2829.60	-32.65	11.27	11.12	-32.50	-13.00	-19.50	H
1414.92	-35.77	8.17	9.34	-36.94	-13.00	-23.94	V
2122.35	-34.17	9.53	10.42	-35.06	-13.00	-22.06	V
2829.60	-32.84	11.27	11.12	-32.69	-13.00	-19.69	V
LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1426.51	-34.57	8.17	9.34	-35.74	-13.00	-22.74	H
2140.01	-34.66	9.53	10.42	-35.55	-13.00	-22.55	H
2853.53	-33.33	11.27	11.12	-33.18	-13.00	-20.18	H
1426.51	-35.75	8.17	9.34	-36.92	-13.00	-23.92	V
2140.01	-34.25	9.53	10.42	-35.14	-13.00	-22.14	V
2853.53	-32.80	11.27	11.12	-32.65	-13.00	-19.65	V



LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1407.82	-33.92	8.17	9.34	-35.09	-13.00	-22.09	H
2111.75	-35.18	9.53	10.42	-36.07	-13.00	-23.07	H
2815.79	-33.03	11.27	11.12	-32.88	-13.00	-19.88	H
1407.82	-34.94	8.17	9.34	-36.11	-13.00	-23.11	V
2111.75	-34.83	9.53	10.42	-35.72	-13.00	-22.72	V
2815.79	-32.04	11.27	11.12	-31.89	-13.00	-18.89	V
LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.98	-34.71	8.17	9.34	-35.88	-13.00	-22.88	H
2122.03	-34.26	9.53	10.42	-35.15	-13.00	-22.15	H
2829.83	-32.86	11.27	11.12	-32.71	-13.00	-19.71	H
1414.98	-35.90	8.17	9.34	-37.07	-13.00	-24.07	V
2122.03	-34.60	9.53	10.42	-35.49	-13.00	-22.49	V
2829.83	-32.68	11.27	11.12	-32.53	-13.00	-19.53	V
LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1421.66	-34.53	8.17	9.34	-35.70	-13.00	-22.70	H
2132.90	-35.03	9.53	10.42	-35.92	-13.00	-22.92	H
2843.80	-33.08	11.27	11.12	-32.93	-13.00	-19.93	H
1421.66	-35.24	8.17	9.34	-36.41	-13.00	-23.41	V
2132.90	-34.15	9.53	10.42	-35.04	-13.00	-22.04	V
2843.80	-32.10	11.27	11.12	-31.95	-13.00	-18.95	V



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1559.30	-47.92	9.56	9.72	-48.08	-40.00	-8.08	H
2338.41	-46.16	10.50	10.86	-46.52	-13.00	-33.52	H
3118.20	-45.68	12.78	11.57	-44.47	-13.00	-31.47	H
1559.30	-47.92	9.56	9.72	-48.08	-40.00	-8.08	V
2338.41	-46.82	10.50	10.86	-47.18	-13.00	-34.18	V
3118.20	-46.54	12.78	11.57	-45.33	-13.00	-32.33	V

LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1564.41	-48.06	9.56	9.72	-48.22	-40.00	-8.22	H
2345.89	-47.41	10.50	10.86	-47.77	-13.00	-34.77	H
3127.79	-46.36	12.78	11.57	-45.15	-13.00	-32.15	H
1564.41	-48.13	9.56	9.72	-48.29	-40.00	-8.29	V
2345.89	-46.74	10.50	10.86	-47.10	-13.00	-34.10	V
3127.79	-45.34	12.78	11.57	-44.13	-13.00	-31.13	V

LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1568.78	-48.41	9.56	9.72	-48.57	-40.00	-8.57	H
2353.51	-47.02	10.50	10.86	-47.38	-13.00	-34.38	H
3138.05	-46.35	12.78	11.57	-45.14	-13.00	-32.14	H
1568.78	-47.47	9.56	9.72	-47.63	-40.00	-7.63	V
2353.51	-46.23	10.50	10.86	-46.59	-13.00	-33.59	V
3138.05	-45.58	12.78	11.57	-44.37	-13.00	-31.37	V

LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1563.95	-47.57	9.56	9.72	-47.73	-40.00	-7.73	H
2345.87	-46.93	10.50	10.86	-47.29	-13.00	-34.29	H
3127.93	-46.46	12.78	11.57	-45.25	-13.00	-32.25	H
1563.95	-48.82	9.56	9.72	-48.98	-40.00	-8.98	V
2345.87	-47.07	10.50	10.86	-47.43	-13.00	-34.43	V
3127.93	-46.41	12.78	11.57	-45.20	-13.00	-32.20	V



LTE Band 38 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5115.06	-33.72	12.66	15.86	-36.92	-25.00	-11.92	H
7672.73	-34.84	11.46	19.28	-42.66	-25.00	-17.66	H
10229.85	-32.48	12.79	23.19	-42.88	-25.00	-17.88	H
4997.13	-35.38	12.66	15.86	-38.58	-25.00	-13.58	V
7495.69	-34.01	11.46	19.28	-41.83	-25.00	-16.83	V
9994.52	-31.85	12.79	23.19	-42.25	-25.00	-17.25	V
LTE Band 38 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5210.01	-33.66	12.72	15.86	-36.80	-25.00	-11.80	H
7815.18	-34.58	11.46	19.28	-42.40	-25.00	-17.40	H
10420.27	-32.44	12.09	23.19	-43.54	-25.00	-18.54	H
5210.01	-35.09	12.72	15.86	-38.23	-25.00	-13.23	V
7815.18	-34.68	11.46	19.28	-42.50	-25.00	-17.50	V
10420.27	-31.71	12.09	23.19	-42.81	-25.00	-17.81	V
LTE Band 38 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5304.77	-33.98	12.76	15.86	-37.08	-25.00	-12.08	H
7957.33	-35.14	11.45	19.28	-42.97	-25.00	-17.97	H
10610.13	-32.24	12.28	23.19	-43.15	-25.00	-18.15	H
5304.77	-35.38	12.76	15.86	-38.48	-25.00	-13.48	V
7957.33	-34.27	11.45	19.28	-42.10	-25.00	-17.10	V
10610.13	-31.97	12.28	23.19	-42.88	-25.00	-17.88	V



LTE Band 38 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5120.04	-34.36	12.66	15.86	-37.56	-25.00	-12.56	H
7680.27	-34.35	11.46	19.28	-42.17	-25.00	-17.17	H
10239.96	-33.23	12.79	23.19	-43.63	-25.00	-18.63	H
5120.04	-35.05	12.66	15.86	-38.25	-25.00	-13.25	V
7680.27	-33.78	11.46	19.28	-41.60	-25.00	-16.60	V
10239.96	-32.49	12.79	23.19	-42.89	-25.00	-17.89	V
LTE Band 38 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5210.04	-34.19	12.72	15.86	-37.33	-25.00	-12.33	H
7815.13	-34.80	11.46	19.28	-42.62	-25.00	-17.62	H
10420.00	-33.28	12.09	23.19	-44.38	-25.00	-19.38	H
5210.04	-34.93	12.72	15.86	-38.07	-25.00	-13.07	V
7815.13	-34.69	11.46	19.28	-42.51	-25.00	-17.51	V
10420.00	-31.77	12.09	23.19	-42.87	-25.00	-17.87	V
LTE Band 38 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5300.02	-33.92	12.76	15.86	-37.02	-25.00	-12.02	H
7949.84	-34.87	11.45	19.28	-42.70	-25.00	-17.70	H
10599.93	-33.29	12.28	23.19	-44.20	-25.00	-19.20	H
5300.02	-35.93	12.76	15.86	-39.03	-25.00	-14.03	V
7949.84	-34.65	11.45	19.28	-42.48	-25.00	-17.48	V
10599.93	-32.54	12.28	23.19	-43.45	-25.00	-18.45	V



LTE Band 38 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5124.92	-34.78	12.66	15.86	-37.98	-25.00	-12.98	H
7687.62	-34.35	11.46	19.28	-42.17	-25.00	-17.17	H
10250.37	-32.34	12.79	23.19	-42.74	-25.00	-17.74	H
5124.92	-35.49	12.66	15.86	-38.69	-25.00	-13.69	V
7687.62	-34.78	11.46	19.28	-42.60	-25.00	-17.60	V
10250.37	-31.80	12.79	23.19	-42.20	-25.00	-17.20	V
LTE Band 38 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5210.09	-34.66	12.72	15.86	-37.80	-25.00	-12.80	H
7814.90	-34.30	11.46	19.28	-42.12	-25.00	-17.12	H
10420.16	-33.41	12.09	23.19	-44.51	-25.00	-19.51	H
5210.09	-34.55	12.72	15.86	-37.69	-25.00	-12.69	V
7814.90	-34.74	11.46	19.28	-42.56	-25.00	-17.56	V
10420.16	-32.43	12.09	23.19	-43.53	-25.00	-18.53	V
LTE Band 38 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5298.25	-33.55	12.76	15.86	-36.65	-25.00	-11.65	H
7942.75	-34.30	11.45	19.28	-42.13	-25.00	-17.13	H
10589.84	-32.55	12.28	23.19	-43.46	-25.00	-18.46	H
5298.25	-35.20	12.76	15.86	-38.30	-25.00	-13.30	V
7942.75	-34.41	11.45	19.28	-42.24	-25.00	-17.24	V
10589.84	-31.72	12.28	23.19	-42.63	-25.00	-17.63	V



LTE Band 38 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5129.90	-34.55	12.66	15.86	-37.75	-25.00	-12.75	H
7694.96	-34.58	11.46	19.28	-42.40	-25.00	-17.40	H
10260.09	-33.43	12.79	23.19	-43.83	-25.00	-18.83	H
5129.90	-34.70	12.66	15.86	-37.90	-25.00	-12.90	V
7694.96	-35.02	11.46	19.28	-42.84	-25.00	-17.84	V
10260.09	-32.12	12.79	23.19	-42.52	-25.00	-17.52	V
LTE Band 38 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5209.80	-34.89	12.72	15.86	-38.03	-25.00	-13.03	H
7815.10	-35.48	11.46	19.28	-43.30	-25.00	-18.30	H
10419.95	-33.15	12.09	23.19	-44.25	-25.00	-19.25	H
5209.80	-34.72	12.72	15.86	-37.86	-25.00	-12.86	V
7815.10	-34.24	11.46	19.28	-42.06	-25.00	-17.06	V
10419.95	-32.87	12.09	23.19	-43.97	-25.00	-18.97	V
LTE Band 38 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5289.93	-34.47	12.76	15.86	-37.57	-25.00	-12.57	H
7934.84	-34.57	11.45	19.28	-42.40	-25.00	-17.40	H
10579.92	-32.83	12.28	23.19	-43.74	-25.00	-18.74	H
5289.93	-35.27	12.76	15.86	-38.37	-25.00	-13.37	V
7934.84	-34.85	11.45	19.28	-42.68	-25.00	-17.68	V
10579.92	-32.63	12.28	23.19	-43.54	-25.00	-18.54	V



LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
4997.07	-33.76	12.66	15.86	-36.96	-25.00	-11.96	H
7495.37	-34.15	11.46	19.28	-41.97	-25.00	-16.97	H
9994.24	-32.90	12.79	23.19	-43.30	-25.00	-18.30	H
4997.07	-35.91	12.66	15.86	-39.11	-25.00	-14.11	V
7495.37	-35.21	11.46	19.28	-43.03	-25.00	-18.03	V
9994.24	-32.93	12.79	23.19	-43.33	-25.00	-18.33	V
LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5185.92	-34.79	12.72	15.86	-37.93	-25.00	-12.93	H
7778.96	-34.80	11.46	19.28	-42.62	-25.00	-17.62	H
10372.29	-33.34	12.09	23.19	-44.44	-25.00	-19.44	H
5185.92	-34.60	12.72	15.86	-37.74	-25.00	-12.74	V
7778.96	-34.04	11.46	19.28	-41.86	-25.00	-16.86	V
10372.29	-32.54	12.09	23.19	-43.64	-25.00	-18.64	V
LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5374.91	-33.58	12.76	15.86	-36.68	-25.00	-11.68	H
8062.34	-34.57	11.45	19.28	-42.40	-25.00	-17.40	H
10749.89	-32.16	12.28	23.19	-43.07	-25.00	-18.07	H
5374.91	-35.84	12.76	15.86	-38.94	-25.00	-13.94	V
8062.34	-34.44	11.45	19.28	-42.27	-25.00	-17.27	V
10749.89	-32.06	12.28	23.19	-42.97	-25.00	-17.97	V



LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5001.94	-34.13	12.66	15.86	-37.33	-25.00	-12.33	H
7502.86	-35.44	11.46	19.28	-43.26	-25.00	-18.26	H
10003.89	-33.36	12.79	23.19	-43.76	-25.00	-18.76	H
5001.94	-35.93	12.66	15.86	-39.13	-25.00	-14.13	V
7502.86	-34.04	11.46	19.28	-41.86	-25.00	-16.86	V
10003.89	-31.87	12.79	23.19	-42.27	-25.00	-17.27	V
LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5185.81	-33.99	12.72	15.86	-37.13	-25.00	-12.13	H
7779.12	-35.45	11.46	19.28	-43.27	-25.00	-18.27	H
10372.28	-32.78	12.09	23.19	-43.88	-25.00	-18.88	H
5185.81	-35.40	12.72	15.86	-38.54	-25.00	-13.54	V
7779.12	-34.25	11.46	19.28	-42.07	-25.00	-17.07	V
10372.28	-32.79	12.09	23.19	-43.89	-25.00	-18.89	V
LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5370.05	-34.59	12.76	15.86	-37.69	-25.00	-12.69	H
8055.00	-34.59	11.45	19.28	-42.42	-25.00	-17.42	H
10739.86	-32.41	12.28	23.19	-43.32	-25.00	-18.32	H
5370.05	-35.02	12.76	15.86	-38.12	-25.00	-13.12	V
8055.00	-34.22	11.45	19.28	-42.05	-25.00	-17.05	V
10739.86	-32.17	12.28	23.19	-43.08	-25.00	-18.08	V



LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5006.82	-33.83	12.66	15.86	-37.03	-25.00	-12.03	H
7510.81	-34.75	11.46	19.28	-42.57	-25.00	-17.57	H
10014.37	-33.21	12.79	23.19	-43.61	-25.00	-18.61	H
5006.82	-34.81	12.66	15.86	-38.01	-25.00	-13.01	V
7510.81	-33.88	11.46	19.28	-41.70	-25.00	-16.70	V
10014.37	-33.11	12.79	23.19	-43.51	-25.00	-18.51	V
LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5186.23	-34.18	12.72	15.86	-37.32	-25.00	-12.32	H
7778.90	-34.58	11.46	19.28	-42.40	-25.00	-17.40	H
10372.31	-32.40	12.09	23.19	-43.50	-25.00	-18.50	H
5186.23	-34.76	12.72	15.86	-37.90	-25.00	-12.90	V
7778.90	-34.48	11.46	19.28	-42.30	-25.00	-17.30	V
10372.31	-31.95	12.09	23.19	-43.05	-25.00	-18.05	V
LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5365.24	-34.91	12.76	15.86	-38.01	-25.00	-13.01	H
8047.78	-35.18	11.45	19.28	-43.01	-25.00	-18.01	H
10729.88	-32.62	12.28	23.19	-43.53	-25.00	-18.53	H
5365.24	-35.34	12.76	15.86	-38.44	-25.00	-13.44	V
8047.78	-34.70	11.45	19.28	-42.53	-25.00	-17.53	V
10729.88	-32.24	12.28	23.19	-43.15	-25.00	-18.15	V



LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5012.14	-34.84	12.66	15.86	-38.04	-25.00	-13.04	H
7517.83	-35.04	11.46	19.28	-42.86	-25.00	-17.86	H
10024.11	-33.18	12.79	23.19	-43.58	-25.00	-18.58	H
5012.14	-34.78	12.66	15.86	-37.98	-25.00	-12.98	V
7517.83	-33.96	11.46	19.28	-41.78	-25.00	-16.78	V
10024.11	-32.44	12.79	23.19	-42.84	-25.00	-17.84	V
LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5186.23	-34.57	12.72	15.86	-37.71	-25.00	-12.71	H
7779.36	-34.03	11.46	19.28	-41.85	-25.00	-16.85	H
10371.89	-33.53	12.09	23.19	-44.63	-25.00	-19.63	H
5186.23	-35.11	12.72	15.86	-38.25	-25.00	-13.25	V
7779.36	-34.79	11.46	19.28	-42.61	-25.00	-17.61	V
10371.89	-32.63	12.09	23.19	-43.73	-25.00	-18.73	V
LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5359.99	-33.74	12.76	15.86	-36.84	-25.00	-11.84	H
8039.86	-34.21	11.45	19.28	-42.04	-25.00	-17.04	H
10720.21	-33.45	12.28	23.19	-44.36	-25.00	-19.36	H
5359.99	-35.97	12.76	15.86	-39.07	-25.00	-14.07	V
8039.86	-34.62	11.45	19.28	-42.45	-25.00	-17.45	V
10720.21	-32.18	12.28	23.19	-43.09	-25.00	-18.09	V



LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3421.25	-34.44	12.90	12.56	-34.10	-13.00	-21.10	H
5131.79	-34.29	13.10	16.32	-37.51	-13.00	-24.51	H
6842.72	-32.64	12.33	21.13	-41.44	-13.00	-28.44	H
3421.25	-35.98	12.90	12.56	-35.64	-13.00	-22.64	V
5131.79	-34.65	13.10	16.32	-37.87	-13.00	-24.87	V
6842.72	-32.93	12.33	21.13	-41.73	-13.00	-28.73	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.02	-34.14	12.90	12.56	-33.80	-13.00	-20.80	H
5234.80	-34.44	13.10	16.32	-37.66	-13.00	-24.66	H
6980.22	-33.23	12.33	21.13	-42.03	-13.00	-29.03	H
3490.02	-35.58	12.90	12.56	-35.24	-13.00	-22.24	V
5234.80	-34.95	13.10	16.32	-38.17	-13.00	-25.17	V
6980.22	-32.04	12.33	21.13	-40.84	-13.00	-27.84	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3558.20	-33.91	12.90	12.56	-33.57	-13.00	-20.57	H
5336.93	-34.60	13.10	16.32	-37.82	-13.00	-24.82	H
7116.87	-32.73	12.33	21.13	-41.53	-13.00	-28.53	H
3558.20	-35.60	12.90	12.56	-35.26	-13.00	-22.26	V
5336.93	-34.43	13.10	16.32	-37.65	-13.00	-24.65	V
7116.87	-31.79	12.33	21.13	-40.59	-13.00	-27.59	V



LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3423.23	-33.51	12.90	12.56	-33.17	-13.00	-20.17	H
5134.19	-35.28	13.10	16.32	-38.50	-13.00	-25.50	H
6846.00	-32.87	12.33	21.13	-41.67	-13.00	-28.67	H
3423.23	-34.94	12.90	12.56	-34.60	-13.00	-21.60	V
5134.19	-33.80	13.10	16.32	-37.02	-13.00	-24.02	V
6846.00	-33.10	12.33	21.13	-41.90	-13.00	-28.90	V
LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.24	-34.12	12.90	12.56	-33.78	-13.00	-20.78	H
5235.01	-34.84	13.10	16.32	-38.06	-13.00	-25.06	H
6979.95	-32.43	12.33	21.13	-41.23	-13.00	-28.23	H
3490.24	-34.78	12.90	12.56	-34.44	-13.00	-21.44	V
5235.01	-33.82	13.10	16.32	-37.04	-13.00	-24.04	V
6979.95	-32.09	12.33	21.13	-40.89	-13.00	-27.89	V
LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3557.21	-34.91	12.90	12.56	-34.57	-13.00	-21.57	H
5262.44	-34.60	13.10	16.32	-37.82	-13.00	-24.82	H
7113.95	-32.52	12.33	21.13	-41.32	-13.00	-28.32	H
3557.21	-35.07	12.90	12.56	-34.73	-13.00	-21.73	V
5262.44	-33.96	13.10	16.32	-37.18	-13.00	-24.18	V
7113.95	-31.82	12.33	21.13	-40.62	-13.00	-27.62	V



LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3425.19	-34.75	12.90	12.56	-34.41	-13.00	-21.41	H
5137.35	-35.36	13.10	16.32	-38.58	-13.00	-25.58	H
6850.37	-32.68	12.33	21.13	-41.48	-13.00	-28.48	H
3425.19	-35.63	12.90	12.56	-35.29	-13.00	-22.29	V
5137.35	-34.40	13.10	16.32	-37.62	-13.00	-24.62	V
6850.37	-32.42	12.33	21.13	-41.22	-13.00	-28.22	V
LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.20	-34.24	12.90	12.56	-33.90	-13.00	-20.90	H
5235.10	-35.36	13.10	16.32	-38.58	-13.00	-25.58	H
6980.13	-32.17	12.33	21.13	-40.97	-13.00	-27.97	H
3490.20	-34.53	12.90	12.56	-34.19	-13.00	-21.19	V
5235.10	-34.26	13.10	16.32	-37.48	-13.00	-24.48	V
6980.13	-32.66	12.33	21.13	-41.46	-13.00	-28.46	V
LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3557.84	-34.64	12.90	12.56	-34.30	-13.00	-21.30	H
5234.92	-34.52	13.10	16.32	-37.74	-13.00	-24.74	H
7109.74	-33.37	12.33	21.13	-42.17	-13.00	-29.17	H
3557.84	-35.16	12.90	12.56	-34.82	-13.00	-21.82	V
5234.92	-35.10	13.10	16.32	-38.32	-13.00	-25.32	V
7109.74	-32.48	12.33	21.13	-41.28	-13.00	-28.28	V



LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3430.09	-34.20	12.90	12.56	-33.86	-13.00	-20.86	H
5145.14	-35.46	13.10	16.32	-38.68	-13.00	-25.68	H
6879.82	-33.47	12.33	21.13	-42.27	-13.00	-29.27	H
3430.09	-35.54	12.90	12.56	-35.20	-13.00	-22.20	V
5145.14	-34.46	13.10	16.32	-37.68	-13.00	-24.68	V
6879.82	-32.01	12.33	21.13	-40.81	-13.00	-27.81	V
LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3489.91	-34.41	12.90	12.56	-34.07	-13.00	-21.07	H
5235.12	-34.21	13.10	16.32	-37.43	-13.00	-24.43	H
6979.86	-33.23	12.33	21.13	-42.03	-13.00	-29.03	H
3489.91	-34.53	12.90	12.56	-34.19	-13.00	-21.19	V
5235.12	-34.77	13.10	16.32	-37.99	-13.00	-24.99	V
6979.86	-32.03	12.33	21.13	-40.83	-13.00	-27.83	V
LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3550.82	-34.53	12.90	12.56	-34.19	-13.00	-21.19	H
5235.30	-35.18	13.10	16.32	-38.40	-13.00	-25.40	H
7099.83	-32.52	12.33	21.13	-41.32	-13.00	-28.32	H
3550.82	-35.96	12.90	12.56	-35.62	-13.00	-22.62	V
5235.30	-35.07	13.10	16.32	-38.29	-13.00	-25.29	V
7099.83	-32.79	12.33	21.13	-41.59	-13.00	-28.59	V



LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3434.93	-34.52	12.90	12.56	-34.18	-13.00	-21.18	H
5152.38	-34.44	13.10	16.32	-37.66	-13.00	-24.66	H
6869.93	-33.47	12.33	21.13	-42.27	-13.00	-29.27	H
3434.93	-34.54	12.90	12.56	-34.20	-13.00	-21.20	V
5152.38	-34.96	13.10	16.32	-38.18	-13.00	-25.18	V
6869.93	-32.40	12.33	21.13	-41.20	-13.00	-28.20	V
LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.25	-33.76	12.90	12.56	-33.42	-13.00	-20.42	H
5235.19	-35.06	13.10	16.32	-38.28	-13.00	-25.28	H
6980.13	-32.41	12.33	21.13	-41.21	-13.00	-28.21	H
3490.25	-36.02	12.90	12.56	-35.68	-13.00	-22.68	V
5235.19	-34.17	13.10	16.32	-37.39	-13.00	-24.39	V
6980.13	-31.96	12.33	21.13	-40.76	-13.00	-27.76	V
LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3545.16	-34.40	12.90	12.56	-34.06	-13.00	-21.06	H
5332.54	-34.46	13.10	16.32	-37.68	-13.00	-24.68	H
7089.80	-33.07	12.33	21.13	-41.87	-13.00	-28.87	H
3545.16	-34.75	12.90	12.56	-34.41	-13.00	-21.41	V
5332.54	-34.50	13.10	16.32	-37.72	-13.00	-24.72	V
7089.80	-33.02	12.33	21.13	-41.82	-13.00	-28.82	V



LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3440.17	-34.15	12.90	12.56	-33.81	-13.00	-20.81	H
5159.90	-35.46	13.10	16.32	-38.68	-13.00	-25.68	H
6880.06	-32.30	12.33	21.13	-41.10	-13.00	-28.10	H
3440.17	-34.92	12.90	12.56	-34.58	-13.00	-21.58	V
5159.90	-35.06	13.10	16.32	-38.28	-13.00	-25.28	V
6880.06	-32.16	12.33	21.13	-40.96	-13.00	-27.96	V
LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.11	-34.73	12.90	12.56	-34.39	-13.00	-21.39	H
5234.96	-34.81	13.10	16.32	-38.03	-13.00	-25.03	H
6980.00	-32.67	12.33	21.13	-41.47	-13.00	-28.47	H
3490.11	-35.69	12.90	12.56	-35.35	-13.00	-22.35	V
5234.96	-33.93	13.10	16.32	-37.15	-13.00	-24.15	V
6980.00	-32.06	12.33	21.13	-40.86	-13.00	-27.86	V
LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3539.91	-34.38	12.90	12.56	-34.04	-13.00	-21.04	H
5310.11	-35.38	13.10	16.32	-38.60	-13.00	-25.60	H
7080.49	-32.30	12.33	21.13	-41.10	-13.00	-28.10	H
3539.91	-35.64	12.90	12.56	-35.30	-13.00	-22.30	V
5310.11	-34.28	13.10	16.32	-37.50	-13.00	-24.50	V
7080.49	-32.33	12.33	21.13	-41.13	-13.00	-28.13	V



LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1331.20	-33.47	8.17	9.34	-34.64	-13.00	-21.64	H
1966.35	-34.65	9.53	10.42	-35.54	-13.00	-22.54	H
2661.90	-33.09	11.27	11.12	-32.94	-13.00	-19.94	H
1331.20	-35.44	8.17	9.34	-36.61	-13.00	-23.61	V
1966.35	-33.89	9.53	10.42	-34.78	-13.00	-21.78	V
2661.90	-31.90	11.27	11.12	-31.75	-13.00	-18.75	V
LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1361.11	-33.85	8.17	9.34	-35.02	-13.00	-22.02	H
2041.32	-34.54	9.53	10.42	-35.43	-13.00	-22.43	H
2721.72	-33.45	11.27	11.12	-33.30	-13.00	-20.30	H
1361.11	-35.72	8.17	9.34	-36.89	-13.00	-23.89	V
2041.32	-34.70	9.53	10.42	-35.59	-13.00	-22.59	V
2721.72	-32.90	11.27	11.12	-32.75	-13.00	-19.75	V
LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1391.17	-34.05	8.17	9.34	-35.22	-13.00	-22.22	H
2085.80	-35.27	9.53	10.42	-36.16	-13.00	-23.16	H
2782.17	-32.28	11.27	11.12	-32.13	-13.00	-19.13	H
1391.17	-35.24	8.17	9.34	-36.41	-13.00	-23.41	V
2085.80	-34.78	9.53	10.42	-35.67	-13.00	-22.67	V
2782.17	-32.95	11.27	11.12	-32.80	-13.00	-19.80	V



LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1336.01	-34.15	8.17	9.34	-35.32	-13.00	-22.32	H
2004.00	-35.12	9.53	10.42	-36.01	-13.00	-23.01	H
2671.74	-32.91	11.27	11.12	-32.76	-13.00	-19.76	H
1336.01	-35.40	8.17	9.34	-36.57	-13.00	-23.57	V
2004.00	-35.13	9.53	10.42	-36.02	-13.00	-23.02	V
2671.74	-33.12	11.27	11.12	-32.97	-13.00	-19.97	V
LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1361.14	-34.36	8.17	9.34	-35.53	-13.00	-22.53	H
2041.37	-35.09	9.53	10.42	-35.98	-13.00	-22.98	H
2721.94	-32.31	11.27	11.12	-32.16	-13.00	-19.16	H
1361.14	-34.93	8.17	9.34	-36.10	-13.00	-23.10	V
2041.37	-34.07	9.53	10.42	-34.96	-13.00	-21.96	V
2721.94	-33.10	11.27	11.12	-32.95	-13.00	-19.95	V
LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1386.16	-34.63	8.17	9.34	-35.80	-13.00	-22.80	H
2078.85	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2721.98	-32.76	11.27	11.12	-32.61	-13.00	-19.61	H
1386.16	-35.96	8.17	9.34	-37.13	-13.00	-24.13	V
2078.85	-33.98	9.53	10.42	-34.87	-13.00	-21.87	V
2721.98	-32.68	11.27	11.12	-32.53	-13.00	-19.53	V



LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1340.93	-34.71	8.17	9.34	-35.88	-13.00	-22.88	H
2010.82	-34.35	9.53	10.42	-35.24	-13.00	-22.24	H
2681.78	-32.58	11.27	11.12	-32.43	-13.00	-19.43	H
1340.93	-35.21	8.17	9.34	-36.38	-13.00	-23.38	V
2010.82	-34.98	9.53	10.42	-35.87	-13.00	-22.87	V
2681.78	-32.79	11.27	11.12	-32.64	-13.00	-19.64	V
LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1361.29	-34.43	8.17	9.34	-35.60	-13.00	-22.60	H
2041.30	-34.91	9.53	10.42	-35.80	-13.00	-22.80	H
2721.80	-33.22	11.27	11.12	-33.07	-13.00	-20.07	H
1361.29	-35.79	8.17	9.34	-36.96	-13.00	-23.96	V
2041.30	-34.27	9.53	10.42	-35.16	-13.00	-22.16	V
2721.80	-31.75	11.27	11.12	-31.60	-13.00	-18.60	V
LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1381.13	-33.84	8.17	9.34	-35.01	-13.00	-22.01	H
2071.20	-34.32	9.53	10.42	-35.21	-13.00	-22.21	H
2762.07	-33.30	11.27	11.12	-33.15	-13.00	-20.15	H
1381.13	-35.63	8.17	9.34	-36.80	-13.00	-23.80	V
2071.20	-34.98	9.53	10.42	-35.87	-13.00	-22.87	V
2762.07	-32.66	11.27	11.12	-32.51	-13.00	-19.51	V



LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1345.78	-33.53	8.17	9.34	-34.70	-13.00	-21.70	H
2019.08	-34.97	9.53	10.42	-35.86	-13.00	-22.86	H
2691.72	-32.70	11.27	11.12	-32.55	-13.00	-19.55	H
1345.78	-35.57	8.17	9.34	-36.74	-13.00	-23.74	V
2019.08	-34.86	9.53	10.42	-35.75	-13.00	-22.75	V
2691.72	-32.58	11.27	11.12	-32.43	-13.00	-19.43	V
LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1361.11	-34.07	8.17	9.34	-35.24	-13.00	-22.24	H
2041.31	-35.04	9.53	10.42	-35.93	-13.00	-22.93	H
2722.00	-32.24	11.27	11.12	-32.09	-13.00	-19.09	H
1361.11	-35.83	8.17	9.34	-37.00	-13.00	-24.00	V
2041.31	-34.39	9.53	10.42	-35.28	-13.00	-22.28	V
2722.00	-31.89	11.27	11.12	-31.74	-13.00	-18.74	V
LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1375.96	-34.78	8.17	9.34	-35.95	-13.00	-22.95	H
2064.09	-34.70	9.53	10.42	-35.59	-13.00	-22.59	H
2751.94	-32.35	11.27	11.12	-32.20	-13.00	-19.20	H
1375.96	-34.82	8.17	9.34	-35.99	-13.00	-22.99	V
2064.09	-34.96	9.53	10.42	-35.85	-13.00	-22.85	V
2751.94	-32.52	11.27	11.12	-32.37	-13.00	-19.37	V



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****