



RADIO TEST REPORT

Report No.: STS2105139W02

Issued for

NETIS SYSTEMS CO., LTD

Floor 8, Building B, TongFang Information Harbor, No.11
Langshan Road, Nanshan District, Shenzhen, China

Product Name:	LTE router
Brand Name:	N/A
Model Name:	MW5360
Series Model:	Q7
FCC ID:	T58Q7R
Test Standard:	47 CFR Part 2, 24(E), 27

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TEST RESULT CERTIFICATION

Applicant's Name.....: NETIS SYSTEMS CO., LTD
Address.....: Floor 8, Building B, TongFang Information Harbor, No.11
Langshan Road, Nanshan District, Shenzhen, China
Manufacturer's Name.....: NETIS SYSTEMS CO., LTD
Address.....: Floor 8, Building B, TongFang Information Harbor, No.11
Langshan Road, Nanshan District, Shenzhen, China

Product Description

Product Name.....: LTE router
Brand Name.....: N/A
Model Name.....: MW5360
Series Model.....: Q7
Test Standards.....: 47 CFR Part 2, 24(E), 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.....: 24 May 2021
Date (s) of performance of tests.: 24 May 2021 ~ 09 June 2021
Date of Issue.....: 09 June 2021
Test Result.....: Pass

Testing Engineer : [Signature]
(Chris Chen)

Technical Manager : [Signature]
(Sean she)

Authorized Signatory : [Signature]
(Vita Li)





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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	09 June 2021	STS2105139W02	ALL	Initial Issue





1. TEST FACTORY & MEASUREMENT UNCERTAINTY

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong 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

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$



2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name	LTE router
Trade Name	N/A
Model Name	MW5360
Series Model	Q7
Model Difference	Only different in model name.
Frequency Bands	U.S. Bands: LTE FDD Band 2 LTE FDD Band 4 LTE FDD Band 5 LTE FDD Band 7 LTE FDD Band 66
SIM Card	Only support single SIM Card.
Antenna	External
Antenna gain	LTE Band2:1.59dBi, LTE Band4:2dBi LTE Band5:2.53dBi, LTE Band7:3dBi LTE Band66:2dBi
Adapter	Input: 100-240V-50/60Hz 0.5A Output: 12V-1.0A
Extreme Vol. Limits	AC 207V/50Hz~ AC 253V/50Hz(Normal: AC 230V/50Hz)
Extreme Temp. Tolerance	-30°C to +50°C
Hardware version number	N/A
Software version number	N/A

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sa-mple identified in the report. Please refer to the module report for all conduction test data. The report FCC ID is XMR202011EC200TAU.



2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Product Specification Subjective To This Standard	
Tx Frequency	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5:824~849MHz LTE Band 7:2500~2570MHz LTE Band 66:1710~1780MHz
Rx Frequency	LTE Band 2:1930 ~1990MHz LTE Band 4:2110~2155MHz LTE Band 5:869~894MHz LTE Band 7:2620~2690MHz LTE Band 66:2110~2200MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz /20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz
Type of Modulation	QPSK /16QAM





2.1.3 EMISSION DESIGNATOR

LTE Band 2	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M68G7D	2M68W7D
5	4M53G7D	4M53W7D
10	8M98G7D	8M96W7D
15	13M5G7D	13M5W7D
20	17M9G7D	17M9W7D
LTE Band 4	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M68G7D	2M68W7D
5	4M53G7D	4M54W7D
10	8M97G7D	8M96W7D
15	13M5G7D	14M5W7D
20	17M9G7D	17M9W7D
LTE Band 5	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M68G7D	2M68W7D
5	4M60G7D	4M55W7D
10	8M98G7D	8M96W7D
LTE Band 7	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
5	4M53G7D	4M54W7D
10	8M95G7D	8M95W7D
15	13M5G7D	13M5W7D
20	17M9G7D	17M9W7D
LTE Band 66	Emission Designator	Emission Designator
BW(MHz)	(99%OBW)QPSK	(99%OBW)16QAM
1.4	1M10G7D	1M10W7D
3	2M68G7D	2M68W7D
5	4M54G7D	4M55W7D
10	8M97G7D	8M96W7D
15	13M5G7D	13M5W7D
20	17M9G7D	17M9W7D



2.1.4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 v03r01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power. Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Remark:

1. The mark 'v' means that this configuration is chosen for testing
2. The mark '-' means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated.

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v			v	v	v	v	v	v	v	v
	7			v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak&Avera Ratio	2						v	v	v	v		v	v	v	v
	4						v	v	v	v		v	v	v	v
	5				v			v	v	v		v	v	v	v
	7						v	v	v	v		v	v	v	v
	66						v	v	v	v		v	v	v	v
26dB&99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v			v	v			v	v	v	v
	7			v	v	v	v	v	v			v	v	v	v
	66	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v	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
	7			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
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
	7			v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	2				v			v				v		v	
	4				v			v				v		v	
	5				v			v				v		v	
	7				v			v				v		v	
	66				v			v				v		v	



E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v			v	v	v			v	v	v
	7			v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	2	v	v	v	v	v	v	v		v			v	v	v
	4	v	v	v	v	v	v	v		v			v	v	v
	5	v	v	v	v			v		v			v	v	v
	7			v	v	v	v	v		v			v	v	v
	66	v	v	v	v	v	v	v		v			v	v	v





2.1.5 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 24(E), 27.

2.1.6 SPECIAL ACCESSORIES

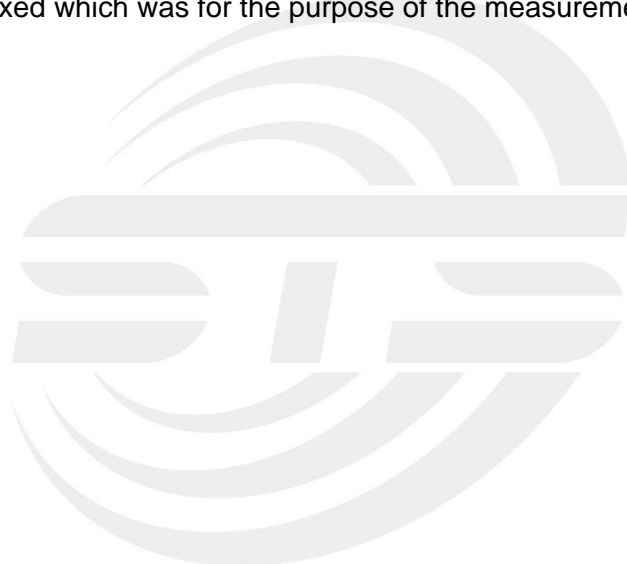
The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.7 EUT CONFIGURATION

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

2.1.8 EUT EXERCISE

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





2.1.9 CONFIGURATION OF EUT SYSTEM

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

E-1 EUT

Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	Length	Note
N/A	N/A	N/A	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.1.10 MEASUREMENT INSTRUMENTS

The radiated emission testing was performed according to the procedures of ANSI C63.26 2015 and FCC CFR 47 rules of 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057.

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2020.10.12	2021.10.11
Signal Analyzer	R&S	FSV 40-N	101823	2020.10.10	2021.10.09
Signal Generator	Agilent	83752A	3610A02740	2020.10.10	2021.10.09
Wireless Communications Test Set	R&S	CMW 500	133884	2020.03.05	2021.03.04
Bilog Antenna	TESEQ	CBL6111D	34678	2020.10.12	2022.10.11
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2019.10.15	2021.10.14
Bilog Antenna	TESEQ	CBL6111D	45873	2020.10.12	2022.10.11
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1343	2020.10.12	2022.10.11
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2020.10.12	2022.10.11
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2020.10.12	2021.10.11
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2020.10.12	2021.10.11
Pre-Amplifier (18G-40GHz)	SKET	LNPA-1840-50	SK2018101801	2020.10.10	2021.10.09
Turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A
Temperature & Humidity	HH660	Mieo	N/A	2020.10.13	2021.10.12
Test SW	BULUN	BL410-E/18.905			

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Universal Radio communication tester	R&S	CMU200	119907	2020.10.12	2021.10.11
Wireless Communications Test Set	R&S	CMW 500	133884	2021.03.04	2022.03.03
Signal Analyzer	Agilent	N9020A	MY52440124	2021.03.04	2022.03.03
Temperature & Humidity test chamber	Safety test	AG80L	171200018	2021.03.04	2022.03.03
Programmable power supply	Agilent	E3642A	MY40002025	2020.10.12	2021.10.11
Temperature & Humidity	SW-108	SuWei	N/A	2021.03.04	2022.03.03
Universal Radio communication tester	R&S	CMU200	119907	2020.10.12	2021.10.11
Test SW	FARAD	LZ-RF /LzRf-3A3			



2.1.11 MEASUREMENT RESULTS EXPLANATION EXAMPLE

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF Cable Loss + Attenuator Factor.



3. RADIATED SPURIOUS EMISSION

3.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

3.1.1 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. For Band 7 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + Gain \text{ (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.

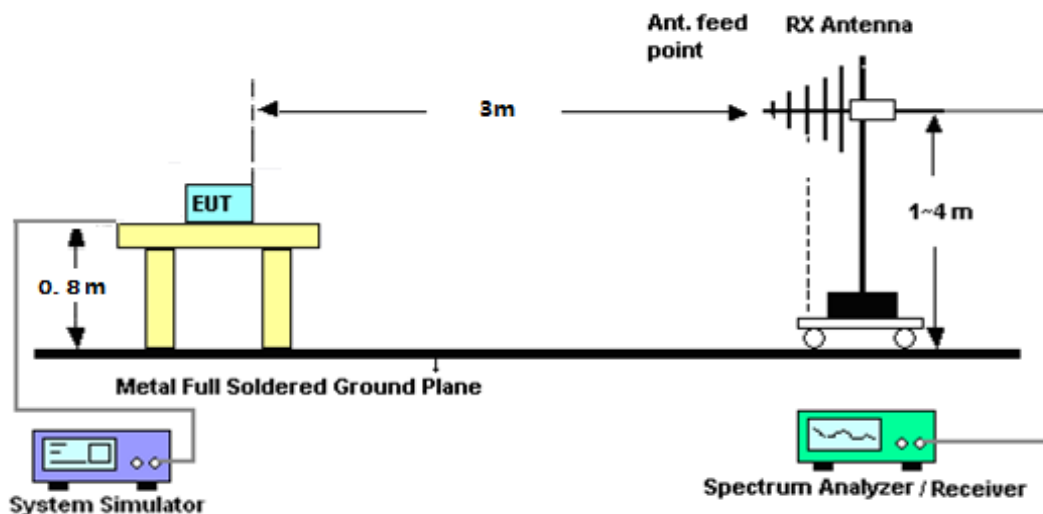
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

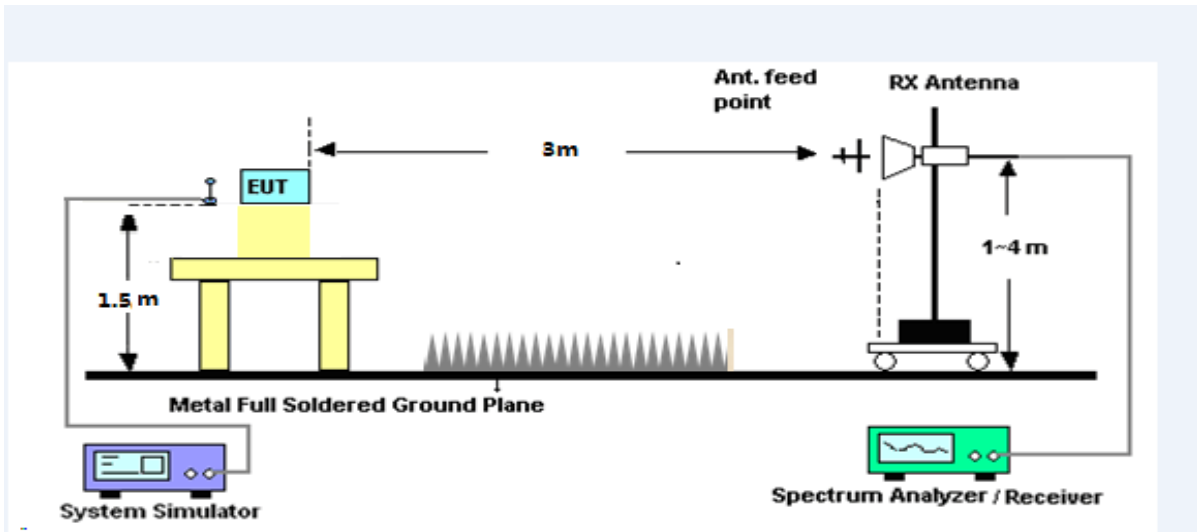
The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

$$\text{Power} = \text{PMea} + \text{ARpl}$$

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



3.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 7 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm

$P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}; \text{Margin} = P_{Mea} - \text{Limit.}$



3.1.4 TEST RESULTS

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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3703.74	-33.66	12.60	12.93	-33.99	-13.00	-20.99	H
5557.14	-35.33	13.10	17.11	-39.34	-13.00	-26.34	H
7409.53	-32.49	11.50	22.20	-43.19	-13.00	-30.19	H
3703.74	-35.50	12.60	12.93	-35.83	-13.00	-22.83	V
5557.14	-34.44	13.10	17.11	-38.45	-13.00	-25.45	V
7409.53	-32.69	11.50	22.20	-43.39	-13.00	-30.39	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.69	-34.55	12.60	12.93	-34.88	-13.00	-21.88	H
5639.59	-34.62	13.10	17.11	-38.63	-13.00	-25.63	H
7520.09	-33.37	11.50	22.20	-44.07	-13.00	-31.07	H
3759.69	-35.82	12.60	12.93	-36.15	-13.00	-23.15	V
5639.59	-33.88	13.10	17.11	-37.89	-13.00	-24.89	V
7520.09	-32.26	11.50	22.20	-42.96	-13.00	-29.96	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3818.01	-34.89	12.60	12.93	-35.22	-13.00	-22.22	H
5727.25	-34.84	13.10	17.11	-38.85	-13.00	-25.85	H
7636.58	-33.52	11.50	22.20	-44.22	-13.00	-31.22	H
3818.01	-34.85	12.60	12.93	-35.18	-13.00	-22.18	V
5727.25	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7636.58	-32.47	11.50	22.20	-43.17	-13.00	-30.17	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3703.79	-34.37	12.60	12.93	-34.70	-13.00	-21.70	H
5557.07	-35.14	13.10	17.11	-39.15	-13.00	-26.15	H
7409.50	-32.23	11.50	22.20	-42.93	-13.00	-29.93	H
3703.79	-34.87	12.60	12.93	-35.20	-13.00	-22.20	V
5557.07	-34.21	13.10	17.11	-38.22	-13.00	-25.22	V
7409.50	-32.73	11.50	22.20	-43.43	-13.00	-30.43	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.49	-33.95	12.60	12.93	-34.28	-13.00	-21.28	H
5639.77	-35.27	13.10	17.11	-39.28	-13.00	-26.28	H
7520.19	-33.31	11.50	22.20	-44.01	-13.00	-31.01	H
3759.49	-35.25	12.60	12.93	-35.58	-13.00	-22.58	V
5639.77	-34.20	13.10	17.11	-38.21	-13.00	-25.21	V
7520.19	-31.97	11.50	22.20	-42.67	-13.00	-29.67	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3817.90	-34.82	12.60	12.93	-35.15	-13.00	-22.15	H
5727.47	-34.54	13.10	17.11	-38.55	-13.00	-25.55	H
7636.52	-33.64	11.50	22.20	-44.34	-13.00	-31.34	H
3817.90	-35.79	12.60	12.93	-36.12	-13.00	-23.12	V
5727.47	-33.95	13.10	17.11	-37.96	-13.00	-24.96	V
7636.52	-32.39	11.50	22.20	-43.09	-13.00	-30.09	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.79	-33.50	12.60	12.93	-33.83	-13.00	-20.83	H
5557.79	-34.09	13.10	17.11	-38.10	-13.00	-25.10	H
7410.03	-32.34	11.50	22.20	-43.04	-13.00	-30.04	H
3704.79	-35.32	12.60	12.93	-35.65	-13.00	-22.65	V
5557.79	-33.89	13.10	17.11	-37.90	-13.00	-24.90	V
7410.03	-33.19	11.50	22.20	-43.89	-13.00	-30.89	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.47	-34.84	12.60	12.93	-35.17	-13.00	-22.17	H
5639.37	-34.03	13.10	17.11	-38.04	-13.00	-25.04	H
7520.22	-32.27	11.50	22.20	-42.97	-13.00	-29.97	H
3759.47	-35.47	12.60	12.93	-35.80	-13.00	-22.80	V
5639.37	-33.79	13.10	17.11	-37.80	-13.00	-24.80	V
7520.22	-32.62	11.50	22.20	-43.32	-13.00	-30.32	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3813.85	-34.90	12.60	12.93	-35.23	-13.00	-22.23	H
5721.17	-35.18	13.10	17.11	-39.19	-13.00	-26.19	H
7628.60	-32.21	11.50	22.20	-42.91	-13.00	-29.91	H
3813.85	-35.27	12.60	12.93	-35.60	-13.00	-22.60	V
5721.17	-34.66	13.10	17.11	-38.67	-13.00	-25.67	V
7628.60	-32.99	11.50	22.20	-43.69	-13.00	-30.69	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3710.30	-34.79	12.60	12.93	-35.12	-13.00	-22.12	H
5565.56	-34.29	13.10	17.11	-38.30	-13.00	-25.30	H
7420.81	-33.05	11.50	22.20	-43.75	-13.00	-30.75	H
3710.30	-35.52	12.60	12.93	-35.85	-13.00	-22.85	V
5565.56	-33.86	13.10	17.11	-37.87	-13.00	-24.87	V
7420.81	-32.73	11.50	22.20	-43.43	-13.00	-30.43	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.79	-34.88	12.60	12.93	-35.21	-13.00	-22.21	H
5639.74	-34.86	13.10	17.11	-38.87	-13.00	-25.87	H
7520.23	-33.29	11.50	22.20	-43.99	-13.00	-30.99	H
3759.79	-34.57	12.60	12.93	-34.90	-13.00	-21.90	V
5639.74	-34.33	13.10	17.11	-38.34	-13.00	-25.34	V
7520.23	-32.23	11.50	22.20	-42.93	-13.00	-29.93	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3808.71	-34.65	12.60	12.93	-34.98	-13.00	-21.98	H
5713.56	-35.44	13.10	17.11	-39.45	-13.00	-26.45	H
7618.07	-32.53	11.50	22.20	-43.23	-13.00	-30.23	H
3808.71	-35.28	12.60	12.93	-35.61	-13.00	-22.61	V
5713.56	-34.05	13.10	17.11	-38.06	-13.00	-25.06	V
7618.07	-32.94	11.50	22.20	-43.64	-13.00	-30.64	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3715.51	-34.25	12.60	12.93	-34.58	-13.00	-21.58	H
5573.86	-34.96	13.10	17.11	-38.97	-13.00	-25.97	H
7618.41	-32.49	11.50	22.20	-43.19	-13.00	-30.19	H
3715.51	-34.99	12.60	12.93	-35.32	-13.00	-22.32	V
5573.86	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7618.41	-31.83	11.50	22.20	-42.53	-13.00	-29.53	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.65	-34.66	12.60	12.93	-34.99	-13.00	-21.99	H
5639.51	-35.32	13.10	17.11	-39.33	-13.00	-26.33	H
7520.10	-33.48	11.50	22.20	-44.18	-13.00	-31.18	H
3759.65	-35.03	12.60	12.93	-35.36	-13.00	-22.36	V
5639.51	-34.03	13.10	17.11	-38.04	-13.00	-25.04	V
7520.10	-31.88	11.50	22.20	-42.58	-13.00	-29.58	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3803.34	-34.81	12.60	12.93	-35.14	-13.00	-22.14	H
5705.32	-34.89	13.10	17.11	-38.90	-13.00	-25.90	H
7607.22	-33.61	11.50	22.20	-44.31	-13.00	-31.31	H
3803.34	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5705.32	-34.12	13.10	17.11	-38.13	-13.00	-25.13	V
7607.22	-33.14	11.50	22.20	-43.84	-13.00	-30.84	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3720.87	-34.33	12.60	12.93	-34.66	-13.00	-21.66	H
5580.80	-34.80	13.10	17.11	-38.81	-13.00	-25.81	H
7441.64	-33.09	11.50	22.20	-43.79	-13.00	-30.79	H
3720.87	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5580.80	-34.06	13.10	17.11	-38.07	-13.00	-25.07	V
7441.64	-32.51	11.50	22.20	-43.21	-13.00	-30.21	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.94	-34.31	12.60	12.93	-34.64	-13.00	-21.64	H
5639.72	-35.16	13.10	17.11	-39.17	-13.00	-26.17	H
7519.87	-33.34	11.50	22.20	-44.04	-13.00	-31.04	H
3759.94	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5639.72	-34.48	13.10	17.11	-38.49	-13.00	-25.49	V
7519.87	-32.56	11.50	22.20	-43.26	-13.00	-30.26	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3798.24	-34.11	12.60	12.93	-34.44	-13.00	-21.44	H
5697.11	-34.53	13.10	17.11	-38.54	-13.00	-25.54	H
7596.70	-32.68	11.50	22.20	-43.38	-13.00	-30.38	H
3798.24	-34.74	12.60	12.93	-35.07	-13.00	-22.07	V
5697.11	-33.89	13.10	17.11	-37.90	-13.00	-24.90	V
7596.70	-32.41	11.50	22.20	-43.11	-13.00	-30.11	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3421.18	-34.26	12.90	12.56	-33.92	-13.00	-20.92	H
5132.07	-34.77	13.10	16.32	-37.99	-13.00	-24.99	H
6842.51	-32.18	12.33	21.13	-40.98	-13.00	-27.98	H
3421.18	-34.61	12.90	12.56	-34.27	-13.00	-21.27	V
5132.07	-35.03	13.10	16.32	-38.25	-13.00	-25.25	V
6842.51	-31.86	12.33	21.13	-40.66	-13.00	-27.66	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.99	-34.66	12.90	12.56	-34.32	-13.00	-21.32	H
5196.66	-35.02	13.10	16.32	-38.24	-13.00	-25.24	H
6930.04	-33.39	12.33	21.13	-42.19	-13.00	-29.19	H
3464.99	-35.75	12.90	12.56	-35.41	-13.00	-22.41	V
5196.66	-34.59	13.10	16.32	-37.81	-13.00	-24.81	V
6930.04	-32.85	12.33	21.13	-41.65	-13.00	-28.65	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3508.12	-34.61	12.90	12.56	-34.27	-13.00	-21.27	H
5262.31	-34.19	13.10	16.32	-37.41	-13.00	-24.41	H
7015.57	-32.46	12.33	21.13	-41.26	-13.00	-28.26	H
3508.12	-36.01	12.90	12.56	-35.67	-13.00	-22.67	V
5262.31	-33.78	13.10	16.32	-37.00	-13.00	-24.00	V
7015.57	-32.34	12.33	21.13	-41.14	-13.00	-28.14	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.11	-34.63	12.90	12.56	-34.29	-13.00	-21.29	H
5136.04	-35.32	13.10	16.32	-38.54	-13.00	-25.54	H
6848.61	-33.12	12.33	21.13	-41.92	-13.00	-28.92	H
3424.11	-35.25	12.90	12.56	-34.91	-13.00	-21.91	V
5136.04	-34.65	13.10	16.32	-37.87	-13.00	-24.87	V
6848.61	-33.15	12.33	21.13	-41.95	-13.00	-28.95	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.49	-33.71	12.90	12.56	-33.37	-13.00	-20.37	H
5196.64	-34.49	13.10	16.32	-37.71	-13.00	-24.71	H
6930.10	-32.44	12.33	21.13	-41.24	-13.00	-28.24	H
3464.49	-35.30	12.90	12.56	-34.96	-13.00	-21.96	V
5196.64	-34.60	13.10	16.32	-37.82	-13.00	-24.82	V
6930.10	-31.92	12.33	21.13	-40.72	-13.00	-27.72	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3506.03	-33.80	12.90	12.56	-33.46	-13.00	-20.46	H
5261.75	-35.48	13.10	16.32	-38.70	-13.00	-25.70	H
7012.71	-32.24	12.33	21.13	-41.04	-13.00	-28.04	H
3506.03	-35.02	12.90	12.56	-34.68	-13.00	-21.68	V
5261.75	-34.93	13.10	16.32	-38.15	-13.00	-25.15	V
7012.71	-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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.81	-34.69	12.90	12.56	-34.35	-13.00	-21.35	H
5136.87	-34.54	13.10	16.32	-37.76	-13.00	-24.76	H
6849.58	-32.19	12.33	21.13	-40.99	-13.00	-27.99	H
3424.81	-35.02	12.90	12.56	-34.68	-13.00	-21.68	V
5136.87	-33.77	13.10	16.32	-36.99	-13.00	-23.99	V
6849.58	-32.77	12.33	21.13	-41.57	-13.00	-28.57	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.68	-34.15	12.90	12.56	-33.81	-13.00	-20.81	H
5196.53	-34.82	13.10	16.32	-38.04	-13.00	-25.04	H
6929.73	-32.93	12.33	21.13	-41.73	-13.00	-28.73	H
3464.68	-34.98	12.90	12.56	-34.64	-13.00	-21.64	V
5196.53	-34.99	13.10	16.32	-38.21	-13.00	-25.21	V
6929.73	-32.79	12.33	21.13	-41.59	-13.00	-28.59	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.87	-34.49	12.90	12.56	-34.15	-13.00	-21.15	H
5256.87	-34.03	13.10	16.32	-37.25	-13.00	-24.25	H
7010.13	-32.51	12.33	21.13	-41.31	-13.00	-28.31	H
3504.87	-34.78	12.90	12.56	-34.44	-13.00	-21.44	V
5256.87	-34.43	13.10	16.32	-37.65	-13.00	-24.65	V
7010.13	-32.64	12.33	21.13	-41.44	-13.00	-28.44	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3429.73	-34.92	12.90	12.56	-34.58	-13.00	-21.58	H
5144.98	-34.23	13.10	16.32	-37.45	-13.00	-24.45	H
6860.43	-33.00	12.33	21.13	-41.80	-13.00	-28.80	H
3429.73	-34.79	12.90	12.56	-34.45	-13.00	-21.45	V
5144.98	-34.42	13.10	16.32	-37.64	-13.00	-24.64	V
6860.43	-33.13	12.33	21.13	-41.93	-13.00	-28.93	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.55	-34.46	12.90	12.56	-34.12	-13.00	-21.12	H
5196.86	-35.04	13.10	16.32	-38.26	-13.00	-25.26	H
6929.70	-32.49	12.33	21.13	-41.29	-13.00	-28.29	H
3464.55	-35.07	12.90	12.56	-34.73	-13.00	-21.73	V
5196.86	-34.06	13.10	16.32	-37.28	-13.00	-24.28	V
6929.70	-31.97	12.33	21.13	-40.77	-13.00	-27.77	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3500.30	-34.76	12.90	12.56	-34.42	-13.00	-21.42	H
5250.39	-34.92	13.10	16.32	-38.14	-13.00	-25.14	H
6999.93	-33.40	12.33	21.13	-42.20	-13.00	-29.20	H
3500.30	-35.46	12.90	12.56	-35.12	-13.00	-22.12	V
5250.39	-34.18	13.10	16.32	-37.40	-13.00	-24.40	V
6999.93	-32.55	12.33	21.13	-41.35	-13.00	-28.35	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3435.01	-34.82	12.90	12.56	-34.48	-13.00	-21.48	H
5152.58	-34.41	13.10	16.32	-37.63	-13.00	-24.63	H
6870.28	-33.05	12.33	21.13	-41.85	-13.00	-28.85	H
3435.01	-35.77	12.90	12.56	-35.43	-13.00	-22.43	V
5152.58	-34.93	13.10	16.32	-38.15	-13.00	-25.15	V
6870.28	-32.83	12.33	21.13	-41.63	-13.00	-28.63	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.63	-34.53	12.90	12.56	-34.19	-13.00	-21.19	H
5196.83	-35.40	13.10	16.32	-38.62	-13.00	-25.62	H
6929.95	-32.39	12.33	21.13	-41.19	-13.00	-28.19	H
3464.63	-34.68	12.90	12.56	-34.34	-13.00	-21.34	V
5196.83	-35.10	13.10	16.32	-38.32	-13.00	-25.32	V
6929.95	-32.99	12.33	21.13	-41.79	-13.00	-28.79	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3495.31	-33.99	12.90	12.56	-33.65	-13.00	-20.65	H
5242.26	-34.65	13.10	16.32	-37.87	-13.00	-24.87	H
6989.95	-32.53	12.33	21.13	-41.33	-13.00	-28.33	H
3495.31	-34.92	12.90	12.56	-34.58	-13.00	-21.58	V
5242.26	-34.72	13.10	16.32	-37.94	-13.00	-24.94	V
6989.95	-32.62	12.33	21.13	-41.42	-13.00	-28.42	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3440.19	-34.22	12.90	12.56	-33.88	-13.00	-20.88	H
5160.27	-34.82	13.10	16.32	-38.04	-13.00	-25.04	H
6880.78	-32.27	12.33	21.13	-41.07	-13.00	-28.07	H
3440.19	-35.89	12.90	12.56	-35.55	-13.00	-22.55	V
5160.27	-34.07	13.10	16.32	-37.29	-13.00	-24.29	V
6880.78	-32.98	12.33	21.13	-41.78	-13.00	-28.78	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.60	-33.63	12.90	12.56	-33.29	-13.00	-20.29	H
5196.79	-34.57	13.10	16.32	-37.79	-13.00	-24.79	H
6929.76	-33.48	12.33	21.13	-42.28	-13.00	-29.28	H
3464.60	-35.59	12.90	12.56	-35.25	-13.00	-22.25	V
5196.79	-34.48	13.10	16.32	-37.70	-13.00	-24.70	V
6929.76	-32.96	12.33	21.13	-41.76	-13.00	-28.76	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3490.63	-34.36	12.90	12.56	-34.02	-13.00	-21.02	H
5235.23	-35.25	13.10	16.32	-38.47	-13.00	-25.47	H
6979.66	-33.12	12.33	21.13	-41.92	-13.00	-28.92	H
3490.63	-35.21	12.90	12.56	-34.87	-13.00	-21.87	V
5235.23	-34.20	13.10	16.32	-37.42	-13.00	-24.42	V
6979.66	-33.05	12.33	21.13	-41.85	-13.00	-28.85	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1648.87	-33.67	9.56	9.72	-33.83	-13.00	-20.83	H
2473.42	-35.00	10.50	10.86	-35.36	-13.00	-22.36	H
3298.63	-33.25	12.78	11.57	-32.04	-13.00	-19.04	H
1648.87	-34.52	9.56	9.72	-34.68	-13.00	-21.68	V
2473.42	-33.76	10.50	10.86	-34.12	-13.00	-21.12	V
3298.63	-32.56	12.78	11.57	-31.35	-13.00	-18.35	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.72	-33.71	9.56	9.72	-33.87	-13.00	-20.87	H
2509.40	-35.47	10.50	10.86	-35.83	-13.00	-22.83	H
3345.38	-33.08	12.78	11.57	-31.87	-13.00	-18.87	H
1672.72	-35.93	9.56	9.72	-36.09	-13.00	-23.09	V
2509.40	-34.81	10.50	10.86	-35.17	-13.00	-22.17	V
3345.38	-32.59	12.78	11.57	-31.38	-13.00	-18.38	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1696.18	-33.66	9.56	9.72	-33.82	-13.00	-20.82	H
2544.46	-34.47	10.50	10.86	-34.83	-13.00	-21.83	H
3392.84	-33.37	12.78	11.57	-32.16	-13.00	-19.16	H
1696.18	-34.65	9.56	9.72	-34.81	-13.00	-21.81	V
2544.46	-34.44	10.50	10.86	-34.80	-13.00	-21.80	V
3392.84	-32.03	12.78	11.57	-30.82	-13.00	-17.82	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1650.30	-33.86	9.56	9.72	-34.02	-13.00	-21.02	H
2476.11	-34.79	10.50	10.86	-35.15	-13.00	-22.15	H
3301.39	-33.33	12.78	11.57	-32.12	-13.00	-19.12	H
1650.30	-35.98	9.56	9.72	-36.14	-13.00	-23.14	V
2476.11	-34.42	10.50	10.86	-34.78	-13.00	-21.78	V
3301.39	-33.06	12.78	11.57	-31.85	-13.00	-18.85	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.09	-34.39	9.56	9.72	-34.55	-13.00	-21.55	H
2508.97	-35.10	10.50	10.86	-35.46	-13.00	-22.46	H
3345.79	-33.04	12.78	11.57	-31.83	-13.00	-18.83	H
1672.09	-35.56	9.56	9.72	-35.72	-13.00	-22.72	V
2508.97	-35.19	10.50	10.86	-35.55	-13.00	-22.55	V
3345.79	-32.40	12.78	11.57	-31.19	-13.00	-18.19	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1694.63	-34.78	9.56	9.72	-34.94	-13.00	-21.94	H
2541.76	-34.93	10.50	10.86	-35.29	-13.00	-22.29	H
3389.09	-33.22	12.78	11.57	-32.01	-13.00	-19.01	H
1694.63	-35.13	9.56	9.72	-35.29	-13.00	-22.29	V
2541.76	-34.64	10.50	10.86	-35.00	-13.00	-22.00	V
3389.09	-32.85	12.78	11.57	-31.64	-13.00	-18.64	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.61	-34.39	9.56	9.72	-34.55	-13.00	-21.55	H
2478.93	-34.29	10.50	10.86	-34.65	-13.00	-21.65	H
3305.72	-33.34	12.78	11.57	-32.13	-13.00	-19.13	H
1652.61	-35.17	9.56	9.72	-35.33	-13.00	-22.33	V
2478.93	-34.36	10.50	10.86	-34.72	-13.00	-21.72	V
3305.72	-31.73	12.78	11.57	-30.52	-13.00	-17.52	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.43	-34.04	9.56	9.72	-34.20	-13.00	-21.20	H
2508.93	-34.20	10.50	10.86	-34.56	-13.00	-21.56	H
3345.20	-32.21	12.78	11.57	-31.00	-13.00	-18.00	H
1672.43	-35.04	9.56	9.72	-35.20	-13.00	-22.20	V
2508.93	-34.87	10.50	10.86	-35.23	-13.00	-22.23	V
3345.20	-32.05	12.78	11.57	-30.84	-13.00	-17.84	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1692.18	-33.67	9.56	9.72	-33.83	-13.00	-20.83	H
2538.73	-34.40	10.50	10.86	-34.76	-13.00	-21.76	H
3385.81	-32.87	12.78	11.57	-31.66	-13.00	-18.66	H
1692.18	-34.85	9.56	9.72	-35.01	-13.00	-22.01	V
2538.73	-33.80	10.50	10.86	-34.16	-13.00	-21.16	V
3385.81	-32.91	12.78	11.57	-31.70	-13.00	-18.70	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1657.66	-34.07	9.56	9.72	-34.23	-13.00	-21.23	H
2486.09	-34.09	10.50	10.86	-34.45	-13.00	-21.45	H
3315.17	-32.34	12.78	11.57	-31.13	-13.00	-18.13	H
1657.66	-35.67	9.56	9.72	-35.83	-13.00	-22.83	V
2486.09	-34.85	10.50	10.86	-35.21	-13.00	-22.21	V
3315.17	-32.22	12.78	11.57	-31.01	-13.00	-18.01	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.43	-33.58	9.56	9.72	-33.74	-13.00	-20.74	H
2508.77	-35.49	10.50	10.86	-35.85	-13.00	-22.85	H
3345.45	-32.69	12.78	11.57	-31.48	-13.00	-18.48	H
1672.43	-35.50	9.56	9.72	-35.66	-13.00	-22.66	V
2508.77	-33.80	10.50	10.86	-34.16	-13.00	-21.16	V
3345.45	-32.03	12.78	11.57	-30.82	-13.00	-17.82	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1687.30	-34.13	9.56	9.72	-34.29	-13.00	-21.29	H
2531.58	-34.73	10.50	10.86	-35.09	-13.00	-22.09	H
3375.78	-32.36	12.78	11.57	-31.15	-13.00	-18.15	H
1687.30	-35.83	9.56	9.72	-35.99	-13.00	-22.99	V
2531.58	-34.58	10.50	10.86	-34.94	-13.00	-21.94	V
3375.78	-31.90	12.78	11.57	-30.69	-13.00	-17.69	V



LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5005.08	-33.62	12.66	15.86	-36.82	-25.00	-11.82	H
7507.75	-34.68	11.46	19.28	-42.50	-25.00	-17.50	H
10010.53	-33.09	12.79	23.19	-43.49	-25.00	-18.49	H
5005.08	-35.09	12.66	15.86	-38.29	-25.00	-13.29	V
7507.75	-33.78	11.46	19.28	-41.60	-25.00	-16.60	V
10010.53	-31.82	12.79	23.19	-42.22	-25.00	-17.22	V
LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5069.82	-33.59	12.72	15.86	-36.73	-25.00	-11.73	H
7605.08	-35.22	11.46	19.28	-43.04	-25.00	-18.04	H
10139.96	-33.25	12.09	23.19	-44.35	-25.00	-19.35	H
5069.82	-34.57	12.72	15.86	-37.71	-25.00	-12.71	V
7605.08	-34.28	11.46	19.28	-42.10	-25.00	-17.10	V
10139.96	-33.11	12.09	23.19	-44.21	-25.00	-19.21	V
LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5133.74	-34.78	12.76	15.86	-37.88	-25.00	-12.88	H
7701.44	-34.87	11.45	19.28	-42.70	-25.00	-17.70	H
10268.13	-32.37	12.28	23.19	-43.28	-25.00	-18.28	H
5133.74	-35.63	12.76	15.86	-38.73	-25.00	-13.73	V
7701.44	-33.78	11.45	19.28	-41.61	-25.00	-16.61	V
10268.13	-32.89	12.28	23.19	-43.80	-25.00	-18.80	V



LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5010.28	-34.25	12.66	15.86	-37.45	-25.00	-12.45	H
7515.41	-34.17	11.46	19.28	-41.99	-25.00	-16.99	H
10020.39	-33.51	12.79	23.19	-43.91	-25.00	-18.91	H
5010.28	-34.67	12.66	15.86	-37.87	-25.00	-12.87	V
7515.41	-34.39	11.46	19.28	-42.21	-25.00	-17.21	V
10020.39	-32.20	12.79	23.19	-42.60	-25.00	-17.60	V
LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5069.71	-34.66	12.72	15.86	-37.80	-25.00	-12.80	H
7604.79	-34.92	11.46	19.28	-42.74	-25.00	-17.74	H
10139.68	-32.68	12.09	23.19	-43.78	-25.00	-18.78	H
5069.71	-35.48	12.72	15.86	-38.62	-25.00	-13.62	V
7604.79	-35.00	11.46	19.28	-42.82	-25.00	-17.82	V
10139.68	-32.02	12.09	23.19	-43.12	-25.00	-18.12	V
LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5129.03	-34.26	12.76	15.86	-37.36	-25.00	-12.36	H
7694.11	-34.74	11.45	19.28	-42.57	-25.00	-17.57	H
10258.61	-32.55	12.28	23.19	-43.46	-25.00	-18.46	H
5129.03	-34.65	12.76	15.86	-37.75	-25.00	-12.75	V
7694.11	-34.09	11.45	19.28	-41.92	-25.00	-16.92	V
10258.61	-32.21	12.28	23.19	-43.12	-25.00	-18.12	V



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5015.53	-34.00	12.66	15.86	-37.20	-25.00	-12.20	H
7524.06	-35.12	11.46	19.28	-42.94	-25.00	-17.94	H
10031.86	-32.51	12.79	23.19	-42.91	-25.00	-17.91	H
5015.53	-34.82	12.66	15.86	-38.02	-25.00	-13.02	V
7524.06	-34.73	11.46	19.28	-42.55	-25.00	-17.55	V
10031.86	-31.95	12.79	23.19	-42.35	-25.00	-17.35	V
LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5069.70	-34.79	12.72	15.86	-37.93	-25.00	-12.93	H
7605.02	-34.99	11.46	19.28	-42.81	-25.00	-17.81	H
10139.73	-32.74	12.09	23.19	-43.84	-25.00	-18.84	H
5069.70	-35.48	12.72	15.86	-38.62	-25.00	-13.62	V
7605.02	-34.64	11.46	19.28	-42.46	-25.00	-17.46	V
10139.73	-33.19	12.09	23.19	-44.29	-25.00	-19.29	V
LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5123.38	-34.85	12.76	15.86	-37.95	-25.00	-12.95	H
7523.78	-35.31	11.45	19.28	-43.14	-25.00	-18.14	H
10032.13	-32.94	12.28	23.19	-43.85	-25.00	-18.85	H
5123.38	-35.49	12.76	15.86	-38.59	-25.00	-13.59	V
7523.78	-34.79	11.45	19.28	-42.62	-25.00	-17.62	V
10032.13	-33.16	12.28	23.19	-44.07	-25.00	-19.07	V



LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5021.11	-34.04	12.66	15.86	-37.24	-25.00	-12.24	H
7531.01	-35.27	11.46	19.28	-43.09	-25.00	-18.09	H
10258.59	-32.81	12.79	23.19	-43.21	-25.00	-18.21	H
5021.11	-34.63	12.66	15.86	-37.83	-25.00	-12.83	V
7531.01	-33.93	11.46	19.28	-41.75	-25.00	-16.75	V
10258.59	-33.02	12.79	23.19	-43.42	-25.00	-18.42	V
LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5069.96	-33.56	12.72	15.86	-36.70	-25.00	-11.70	H
7604.93	-34.67	11.46	19.28	-42.49	-25.00	-17.49	H
10139.81	-32.15	12.09	23.19	-43.25	-25.00	-18.25	H
5069.96	-34.85	12.72	15.86	-37.99	-25.00	-12.99	V
7604.93	-34.23	11.46	19.28	-42.05	-25.00	-17.05	V
10139.81	-32.04	12.09	23.19	-43.14	-25.00	-18.14	V
LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
5118.67	-33.90	12.76	15.86	-37.00	-25.00	-12.00	H
7678.37	-34.33	11.45	19.28	-42.16	-25.00	-17.16	H
10238.04	-33.61	12.28	23.19	-44.52	-25.00	-19.52	H
5118.67	-35.50	12.76	15.86	-38.60	-25.00	-13.60	V
7678.37	-34.51	11.45	19.28	-42.34	-25.00	-17.34	V
10238.04	-31.73	12.28	23.19	-42.64	-25.00	-17.64	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3421.39	-34.24	12.90	12.56	-33.90	-13.00	-20.90	H
5132.05	-35.02	13.10	16.32	-38.24	-13.00	-25.24	H
6842.84	-32.70	12.33	21.13	-41.50	-13.00	-28.50	H
3421.39	-36.00	12.90	12.56	-35.66	-13.00	-22.66	V
5132.05	-34.20	13.10	16.32	-37.42	-13.00	-24.42	V
6842.84	-32.88	12.33	21.13	-41.68	-13.00	-28.68	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3490.20	-34.36	12.90	12.56	-34.02	-13.00	-21.02	H
5235.14	-34.96	13.10	16.32	-38.18	-13.00	-25.18	H
6979.93	-32.52	12.33	21.13	-41.32	-13.00	-28.32	H
3490.20	-35.72	12.90	12.56	-35.38	-13.00	-22.38	V
5235.14	-34.10	13.10	16.32	-37.32	-13.00	-24.32	V
6979.93	-32.72	12.33	21.13	-41.52	-13.00	-28.52	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3557.73	-34.20	12.90	12.56	-33.86	-13.00	-20.86	H
5337.07	-35.36	13.10	16.32	-38.58	-13.00	-25.58	H
7117.20	-32.18	12.33	21.13	-40.98	-13.00	-27.98	H
3557.73	-34.89	12.90	12.56	-34.55	-13.00	-21.55	V
5337.07	-34.29	13.10	16.32	-37.51	-13.00	-24.51	V
7117.20	-32.30	12.33	21.13	-41.10	-13.00	-28.10	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3423.13	-33.83	12.90	12.56	-33.49	-13.00	-20.49	H
5134.29	-35.49	13.10	16.32	-38.71	-13.00	-25.71	H
6846.07	-32.23	12.33	21.13	-41.03	-13.00	-28.03	H
3423.13	-35.58	12.90	12.56	-35.24	-13.00	-22.24	V
5134.29	-34.58	13.10	16.32	-37.80	-13.00	-24.80	V
6846.07	-32.56	12.33	21.13	-41.36	-13.00	-28.36	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3489.97	-33.97	12.90	12.56	-33.63	-13.00	-20.63	H
5235.22	-34.83	13.10	16.32	-38.05	-13.00	-25.05	H
6979.96	-33.44	12.33	21.13	-42.24	-13.00	-29.24	H
3489.97	-34.93	12.90	12.56	-34.59	-13.00	-21.59	V
5235.22	-35.08	13.10	16.32	-38.30	-13.00	-25.30	V
6979.96	-33.16	12.33	21.13	-41.96	-13.00	-28.96	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3557.01	-34.77	12.90	12.56	-34.43	-13.00	-21.43	H
5262.27	-34.51	13.10	16.32	-37.73	-13.00	-24.73	H
7113.90	-32.95	12.33	21.13	-41.75	-13.00	-28.75	H
3557.01	-35.00	12.90	12.56	-34.66	-13.00	-21.66	V
5262.27	-34.22	13.10	16.32	-37.44	-13.00	-24.44	V
7113.90	-31.72	12.33	21.13	-40.52	-13.00	-27.52	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3425.26	-34.44	12.90	12.56	-34.10	-13.00	-21.10	H
5137.57	-34.81	13.10	16.32	-38.03	-13.00	-25.03	H
6849.98	-32.43	12.33	21.13	-41.23	-13.00	-28.23	H
3425.26	-34.53	12.90	12.56	-34.19	-13.00	-21.19	V
5137.57	-34.01	13.10	16.32	-37.23	-13.00	-24.23	V
6849.98	-31.90	12.33	21.13	-40.70	-13.00	-27.70	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3490.06	-34.23	12.90	12.56	-33.89	-13.00	-20.89	H
5235.16	-35.18	13.10	16.32	-38.40	-13.00	-25.40	H
6979.95	-33.10	12.33	21.13	-41.90	-13.00	-28.90	H
3490.06	-36.01	12.90	12.56	-35.67	-13.00	-22.67	V
5235.16	-34.26	13.10	16.32	-37.48	-13.00	-24.48	V
6979.95	-31.73	12.33	21.13	-40.53	-13.00	-27.53	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3558.08	-34.70	12.90	12.56	-34.36	-13.00	-21.36	H
52353.96	-34.20	13.10	16.32	-37.42	-13.00	-24.42	H
7110.18	-33.18	12.33	21.13	-41.98	-13.00	-28.98	H
3558.08	-35.96	12.90	12.56	-35.62	-13.00	-22.62	V
52353.96	-34.19	13.10	16.32	-37.41	-13.00	-24.41	V
7110.18	-32.09	12.33	21.13	-40.89	-13.00	-27.89	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3429.91	-33.46	12.90	12.56	-33.12	-13.00	-20.12	H
5144.84	-34.45	13.10	16.32	-37.67	-13.00	-24.67	H
6880.05	-33.54	12.33	21.13	-42.34	-13.00	-29.34	H
3429.91	-35.93	12.90	12.56	-35.59	-13.00	-22.59	V
5144.84	-34.46	13.10	16.32	-37.68	-13.00	-24.68	V
6880.05	-32.57	12.33	21.13	-41.37	-13.00	-28.37	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3490.09	-34.42	12.90	12.56	-34.08	-13.00	-21.08	H
5235.28	-34.71	13.10	16.32	-37.93	-13.00	-24.93	H
6979.90	-32.92	12.33	21.13	-41.72	-13.00	-28.72	H
3490.09	-35.92	12.90	12.56	-35.58	-13.00	-22.58	V
5235.28	-34.44	13.10	16.32	-37.66	-13.00	-24.66	V
6979.90	-32.35	12.33	21.13	-41.15	-13.00	-28.15	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3550.73	-34.72	12.90	12.56	-34.38	-13.00	-21.38	H
5235.08	-34.83	13.10	16.32	-38.05	-13.00	-25.05	H
7100.11	-33.18	12.33	21.13	-41.98	-13.00	-28.98	H
3550.73	-34.81	12.90	12.56	-34.47	-13.00	-21.47	V
5235.08	-35.21	13.10	16.32	-38.43	-13.00	-25.43	V
7100.11	-31.79	12.33	21.13	-40.59	-13.00	-27.59	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3435.19	-34.55	12.90	12.56	-34.21	-13.00	-21.21	H
5152.59	-35.20	13.10	16.32	-38.42	-13.00	-25.42	H
6870.12	-33.53	12.33	21.13	-42.33	-13.00	-29.33	H
3435.19	-36.00	12.90	12.56	-35.66	-13.00	-22.66	V
5152.59	-34.68	13.10	16.32	-37.90	-13.00	-24.90	V
6870.12	-32.15	12.33	21.13	-40.95	-13.00	-27.95	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3489.96	-34.23	12.90	12.56	-33.89	-13.00	-20.89	H
5234.90	-34.46	13.10	16.32	-37.68	-13.00	-24.68	H
6979.91	-32.88	12.33	21.13	-41.68	-13.00	-28.68	H
3489.96	-35.17	12.90	12.56	-34.83	-13.00	-21.83	V
5234.90	-33.99	13.10	16.32	-37.21	-13.00	-24.21	V
6979.91	-33.00	12.33	21.13	-41.80	-13.00	-28.80	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3544.74	-33.87	12.90	12.56	-33.53	-13.00	-20.53	H
5332.28	-35.03	13.10	16.32	-38.25	-13.00	-25.25	H
7089.85	-32.95	12.33	21.13	-41.75	-13.00	-28.75	H
3544.74	-35.05	12.90	12.56	-34.71	-13.00	-21.71	V
5332.28	-34.76	13.10	16.32	-37.98	-13.00	-24.98	V
7089.85	-32.98	12.33	21.13	-41.78	-13.00	-28.78	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3440.16	-33.59	12.90	12.56	-33.25	-13.00	-20.25	H
5159.85	-34.60	13.10	16.32	-37.82	-13.00	-24.82	H
6879.90	-32.61	12.33	21.13	-41.41	-13.00	-28.41	H
3440.16	-35.18	12.90	12.56	-34.84	-13.00	-21.84	V
5159.85	-34.01	13.10	16.32	-37.23	-13.00	-24.23	V
6879.90	-31.86	12.33	21.13	-40.66	-13.00	-27.66	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3490.11	-33.75	12.90	12.56	-33.41	-13.00	-20.41	H
5235.25	-35.41	13.10	16.32	-38.63	-13.00	-25.63	H
6979.81	-32.76	12.33	21.13	-41.56	-13.00	-28.56	H
3490.11	-34.60	12.90	12.56	-34.26	-13.00	-21.26	V
5235.25	-34.08	13.10	16.32	-37.30	-13.00	-24.30	V
6979.81	-33.08	12.33	21.13	-41.88	-13.00	-28.88	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	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3539.96	-33.86	12.90	12.56	-33.52	-13.00	-20.52	H
5310.18	-34.84	13.10	16.32	-38.06	-13.00	-25.06	H
7080.55	-33.15	12.33	21.13	-41.95	-13.00	-28.95	H
3539.96	-34.56	12.90	12.56	-34.22	-13.00	-21.22	V
5310.18	-33.98	13.10	16.32	-37.20	-13.00	-24.20	V
7080.55	-32.20	12.33	21.13	-41.00	-13.00	-28.00	V

4. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

4.1 DESCRIPTION OF THE ERP/EIRP MEASUREMENT

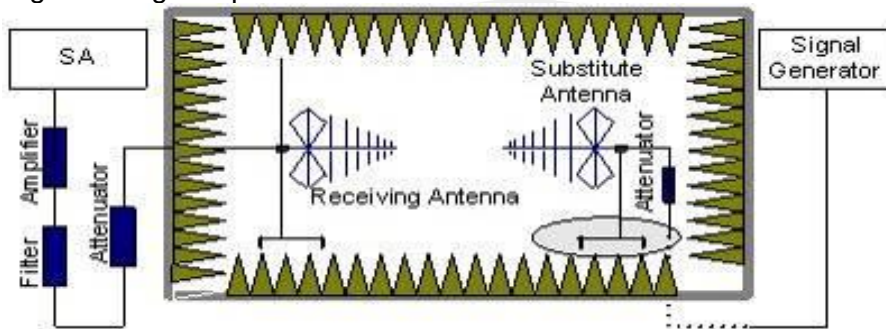
4.1.1 MEASUREMENT METHOD

Effective radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems. Mobile and portable (hand-held) stations operating are limited to average ERP, Equivalent isotropic radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas, Mobile and portable (hand-held) stations operating are limited to average EIRP.

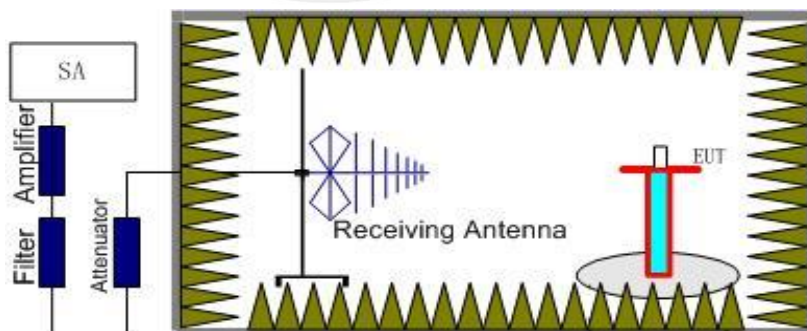
4.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = R_x \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + Gain \text{ (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.



b) EUT was placed on a 1.5m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.



Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

$$Power = P_{Mea} + AR_{pl}$$



4.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01v03r01 Section 5.6 and ANSI C63.26 2015 Section 5.2.
2. The EUT was placed on a non-conductive rotating platform 1.5 meters high in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with Peak detector.
3. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 m in both horizontally and vertically polarized orientations.
4. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to ANSI C63.26 2015. The EUT was replaced by dipole antenna (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. $EIRP = S.G \text{ Level} + \text{Gain} - \text{Cable loss}$; $ERP = S.G \text{ Level} + \text{Gain} - \text{Cable loss} - 2.15$.
5. RB Set greater than bandwidth, VB Set spectrum analyzer Maximum support.





4.1.4 TEST RESULTS

Note: Test is divided into three directions, X/Y/Z. X pattern for the worst.

Radiated Power (EIRP) for LTE Band 2 / 1.4M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.217067	2.37	10.40	22.25	Horizontal	Pass
	1	0	Middle	15.999996	2.39	10.42	24.03	Horizontal	Pass
	1	0	Highest	14.203919	2.40	10.44	22.24	Horizontal	Pass
	1	0	Lowest	16.058035	2.37	10.40	24.09	Vertical	Pass
	1	0	Middle	14.16561	2.39	10.42	22.20	Vertical	Pass
	1	0	Highest	15.8693	2.40	10.44	23.91	Vertical	Pass
16QAM	1	0	Lowest	13.560859	2.37	10.40	21.59	Horizontal	Pass
	1	0	Middle	15.325185	2.39	10.42	23.36	Horizontal	Pass
	1	0	Highest	13.422532	2.40	10.44	21.46	Horizontal	Pass
	1	0	Lowest	15.503922	2.37	10.40	23.53	Vertical	Pass
	1	0	Middle	13.392289	2.39	10.42	21.42	Vertical	Pass
	1	0	Highest	14.944194	2.40	10.44	22.98	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 2 / 3M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.33	2.37	10.40	22.36	Horizontal	Pass
	1	0	Middle	16.09	2.39	10.42	24.12	Horizontal	Pass
	1	0	Highest	14.38	2.40	10.44	22.42	Horizontal	Pass
	1	0	Lowest	16.13	2.37	10.40	24.16	Vertical	Pass
	1	0	Middle	14.16	2.39	10.42	22.19	Vertical	Pass
	1	0	Highest	16.04	2.40	10.44	24.08	Vertical	Pass
16QAM	1	0	Lowest	13.65	2.37	10.40	21.68	Horizontal	Pass
	1	0	Middle	15.48	2.39	10.42	23.51	Horizontal	Pass
	1	0	Highest	13.57	2.40	10.44	21.61	Horizontal	Pass
	1	0	Lowest	15.46	2.37	10.40	23.49	Vertical	Pass
	1	0	Middle	13.35	2.39	10.42	21.38	Vertical	Pass
	1	0	Highest	15.08	2.40	10.44	23.12	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 2 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.33	2.37	10.40	21.36	Horizontal	Pass
	1	0	Middle	15.12	2.39	10.42	23.15	Horizontal	Pass
	1	0	Highest	13.41	2.40	10.44	21.45	Horizontal	Pass
	1	0	Lowest	15.23	2.37	10.40	23.26	Vertical	Pass
	1	0	Middle	14.19	2.39	10.42	22.22	Vertical	Pass
	1	0	Highest	16.08	2.40	10.44	24.12	Vertical	Pass
16QAM	1	0	Lowest	12.67	2.37	10.40	20.70	Horizontal	Pass
	1	0	Middle	14.53	2.39	10.42	22.56	Horizontal	Pass
	1	0	Highest	12.65	2.40	10.44	20.69	Horizontal	Pass
	1	0	Lowest	14.55	2.37	10.40	22.58	Vertical	Pass
	1	0	Middle	12.81	2.39	10.42	20.84	Vertical	Pass
	1	0	Highest	14.57	2.40	10.44	22.61	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 2 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.17	2.37	10.40	21.20	Horizontal	Pass
	1	0	Middle	15.03	2.39	10.42	23.06	Horizontal	Pass
	1	0	Highest	13.28	2.40	10.44	21.32	Horizontal	Pass
	1	0	Lowest	15.09	2.37	10.40	23.12	Vertical	Pass
	1	0	Middle	13.64	2.39	10.42	21.67	Vertical	Pass
	1	0	Highest	15.34	2.40	10.44	23.38	Vertical	Pass
16QAM	1	0	Lowest	12.11	2.37	10.40	20.14	Horizontal	Pass
	1	0	Middle	14.09	2.39	10.42	22.12	Horizontal	Pass
	1	0	Highest	12.35	2.40	10.44	20.39	Horizontal	Pass
	1	0	Lowest	14.16	2.37	10.40	22.19	Vertical	Pass
	1	0	Middle	12.23	2.39	10.42	20.26	Vertical	Pass
	1	0	Highest	14.19	2.40	10.44	22.23	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 2 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.05	2.37	10.40	21.08	Horizontal	Pass
	1	0	Middle	13.07	2.39	10.42	21.10	Horizontal	Pass
	1	0	Highest	14.98	2.40	10.44	23.02	Horizontal	Pass
	1	0	Lowest	13.37	2.37	10.40	21.40	Vertical	Pass
	1	0	Middle	15.09	2.39	10.42	23.12	Vertical	Pass
	1	0	Highest	12.24	2.40	10.44	20.28	Vertical	Pass
16QAM	1	0	Lowest	14.03	2.37	10.40	22.06	Horizontal	Pass
	1	0	Middle	12.15	2.39	10.42	20.18	Horizontal	Pass
	1	0	Highest	14.05	2.40	10.44	22.09	Horizontal	Pass
	1	0	Lowest	12.31	2.37	10.40	20.34	Vertical	Pass
	1	0	Middle	14.05	2.39	10.42	22.08	Vertical	Pass
	1	0	Highest	14.04	2.40	10.44	22.08	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 2 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.22	2.37	10.40	21.25	Horizontal	Pass
	1	0	Middle	14.92	2.39	10.42	22.95	Horizontal	Pass
	1	0	Highest	12.98	2.40	10.44	21.02	Horizontal	Pass
	1	0	Lowest	14.91	2.37	10.40	22.94	Vertical	Pass
	1	0	Middle	13.05	2.39	10.42	21.08	Vertical	Pass
	1	0	Highest	14.94	2.40	10.44	22.98	Vertical	Pass
16QAM	1	0	Lowest	12.17	2.37	10.40	20.20	Horizontal	Pass
	1	0	Middle	13.92	2.39	10.42	21.95	Horizontal	Pass
	1	0	Highest	11.98	2.40	10.44	20.02	Horizontal	Pass
	1	0	Lowest	13.86	2.37	10.40	21.89	Vertical	Pass
	1	0	Middle	11.91	2.39	10.42	19.94	Vertical	Pass
	1	0	Highest	13.74	2.40	10.44	21.78	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 4 / 1.4M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.20	2.35	10.13	21.98	Horizontal	Pass
	1	0	Middle	16.13	2.36	10.16	23.93	Horizontal	Pass
	1	0	Highest	14.40	2.37	10.22	22.25	Horizontal	Pass
	1	0	Lowest	16.28	2.35	10.13	24.06	Vertical	Pass
	1	0	Middle	14.42	2.36	10.16	22.22	Vertical	Pass
	1	0	Highest	16.04	2.37	10.22	23.89	Vertical	Pass
16QAM	1	0	Lowest	13.56	2.35	10.13	21.34	Horizontal	Pass
	1	0	Middle	15.32	2.36	10.16	23.12	Horizontal	Pass
	1	0	Highest	13.37	2.37	10.22	21.22	Horizontal	Pass
	1	0	Lowest	15.23	2.35	10.13	23.01	Vertical	Pass
	1	0	Middle	13.59	2.36	10.16	21.39	Vertical	Pass
	1	0	Highest	15.36	2.37	10.22	23.21	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 4 / 3M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.35	2.35	10.13	22.13	Horizontal	Pass
	1	0	Middle	16.28	2.36	10.16	24.08	Horizontal	Pass
	1	0	Highest	14.41	2.37	10.22	22.26	Horizontal	Pass
	1	0	Lowest	16.27	2.35	10.13	24.05	Vertical	Pass
	1	0	Middle	14.57	2.36	10.16	22.37	Vertical	Pass
	1	0	Highest	16.24	2.37	10.22	24.09	Vertical	Pass
16QAM	1	0	Lowest	13.57	2.35	10.13	21.35	Horizontal	Pass
	1	0	Middle	15.35	2.36	10.16	23.15	Horizontal	Pass
	1	0	Highest	13.3	2.37	10.22	21.15	Horizontal	Pass
	1	0	Lowest	15.34	2.35	10.13	23.12	Vertical	Pass
	1	0	Middle	13.57	2.36	10.16	21.37	Vertical	Pass
	1	0	Highest	15.28	2.37	10.22	23.13	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 4 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.48	2.35	10.13	22.26	Horizontal	Pass
	1	0	Middle	16.21	2.36	10.16	24.01	Horizontal	Pass
	1	0	Highest	14.3	2.37	10.22	22.15	Horizontal	Pass
	1	0	Lowest	16.11	2.35	10.13	23.89	Vertical	Pass
	1	0	Middle	14.23	2.36	10.16	22.03	Vertical	Pass
	1	0	Highest	16.1	2.37	10.22	23.95	Vertical	Pass
16QAM	1	0	Lowest	13.41	2.35	10.13	21.19	Horizontal	Pass
	1	0	Middle	15.26	2.36	10.16	23.06	Horizontal	Pass
	1	0	Highest	13.2	2.37	10.22	21.05	Horizontal	Pass
	1	0	Lowest	15.25	2.35	10.13	23.03	Vertical	Pass
	1	0	Middle	13.36	2.36	10.16	21.16	Vertical	Pass
1	0	Highest	15.13	2.37	10.22	22.98	Vertical	Pass	
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 4 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.35	2.35	10.13	22.13	Horizontal	Pass
	1	0	Middle	16.15	2.36	10.16	23.95	Horizontal	Pass
	1	0	Highest	14.07	2.37	10.22	21.92	Horizontal	Pass
	1	0	Lowest	16.01	2.35	10.13	23.79	Vertical	Pass
	1	0	Middle	14.06	2.36	10.16	21.86	Vertical	Pass
	1	0	Highest	15.97	2.37	10.22	23.82	Vertical	Pass
16QAM	1	0	Lowest	13.28	2.35	10.13	21.06	Horizontal	Pass
	1	0	Middle	15.14	2.36	10.16	22.94	Horizontal	Pass
	1	0	Highest	13.28	2.37	10.22	21.13	Horizontal	Pass
	1	0	Lowest	15.13	2.35	10.13	22.91	Vertical	Pass
	1	0	Middle	13.25	2.36	10.16	21.05	Vertical	Pass
1	0	Highest	15	2.37	10.22	22.85	Vertical	Pass	
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 4 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.4	2.35	10.13	22.18	Horizontal	Pass
	1	0	Middle	16.11	2.36	10.16	23.91	Horizontal	Pass
	1	0	Highest	13.99	2.37	10.22	21.84	Horizontal	Pass
	1	0	Lowest	15.91	2.35	10.13	23.69	Vertical	Pass
	1	0	Middle	14.2	2.36	10.16	22.00	Vertical	Pass
	1	0	Highest	15.9	2.37	10.22	23.75	Vertical	Pass
16QAM	1	0	Lowest	13.22	2.35	10.13	21.00	Horizontal	Pass
	1	0	Middle	15.05	2.36	10.16	22.85	Horizontal	Pass
	1	0	Highest	13.02	2.37	10.22	20.87	Horizontal	Pass
	1	0	Lowest	15.05	2.35	10.13	22.83	Vertical	Pass
	1	0	Middle	13.01	2.36	10.16	20.81	Vertical	Pass
1	0	Highest	14.94	2.37	10.22	22.79	Vertical	Pass	
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 4 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.26	2.35	10.13	22.04	Horizontal	Pass
	1	0	Middle	16.03	2.36	10.16	23.83	Horizontal	Pass
	1	0	Highest	13.94	2.37	10.22	21.79	Horizontal	Pass
	1	0	Lowest	15.81	2.35	10.13	23.59	Vertical	Pass
	1	0	Middle	13.94	2.36	10.16	21.74	Vertical	Pass
	1	0	Highest	15.76	2.37	10.22	23.61	Vertical	Pass
16QAM	1	0	Lowest	13.1	2.35	10.13	20.88	Horizontal	Pass
	1	0	Middle	14.99	2.36	10.16	22.79	Horizontal	Pass
	1	0	Highest	12.93	2.37	10.22	20.78	Horizontal	Pass
	1	0	Lowest	14.97	2.35	10.13	22.75	Vertical	Pass
	1	0	Middle	12.83	2.36	10.16	20.63	Vertical	Pass
1	0	Highest	14.77	2.37	10.22	22.62	Vertical	Pass	
Limit	EIRP<1W=30dBm								



Radiated Power (ERP) for LTE Band 5 / 1.4M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	16.16	1.27	6.70	2.15	19.44	Horizontal	Pass
	1	0	Middle	18.07	1.28	6.70	2.15	21.34	Horizontal	Pass
	1	0	Highest	16.4	1.29	6.70	2.15	19.66	Horizontal	Pass
	1	0	Lowest	19.16	1.27	6.70	2.15	22.44	Vertical	Pass
	1	0	Middle	16.21	1.28	6.70	2.15	19.48	Vertical	Pass
	1	0	Highest	18.02	1.29	6.70	2.15	21.28	Vertical	Pass
16QAM	1	0	Lowest	15.16	1.27	6.70	2.15	18.44	Horizontal	Pass
	1	0	Middle	16.99	1.28	6.70	2.15	20.26	Horizontal	Pass
	1	0	Highest	15.56	1.29	6.70	2.15	18.82	Horizontal	Pass
	1	0	Lowest	17.32	1.27	6.70	2.15	20.60	Vertical	Pass
	1	0	Middle	15.42	1.28	6.70	2.15	18.69	Vertical	Pass
1	0	Highest	17.25	1.29	6.70	2.15	20.51	Vertical	Pass	
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 5 / 3M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	16.15	1.27	6.70	2.15	19.43	Horizontal	Pass
	1	0	Middle	17.92	1.28	6.70	2.15	21.19	Horizontal	Pass
	1	0	Highest	16.39	1.29	6.70	2.15	19.65	Horizontal	Pass
	1	0	Lowest	18.98	1.27	6.70	2.15	22.26	Vertical	Pass
	1	0	Middle	16.15	1.28	6.70	2.15	19.42	Vertical	Pass
	1	0	Highest	18.03	1.29	6.70	2.15	21.29	Vertical	Pass
16QAM	1	0	Lowest	15.49	1.27	6.70	2.15	18.77	Horizontal	Pass
	1	0	Middle	17.26	1.28	6.70	2.15	20.53	Horizontal	Pass
	1	0	Highest	15.4	1.29	6.70	2.15	18.66	Horizontal	Pass
	1	0	Lowest	17.24	1.27	6.70	2.15	20.52	Vertical	Pass
	1	0	Middle	15.32	1.28	6.70	2.15	18.59	Vertical	Pass
1	0	Highest	17.17	1.29	6.70	2.15	20.43	Vertical	Pass	
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 5 / 5M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	16.88	1.27	6.70	2.15	20.16	Horizontal	Pass
	1	0	Middle	18.79	1.28	6.70	2.15	22.06	Horizontal	Pass
	1	0	Highest	17.17	1.29	6.70	2.15	20.43	Horizontal	Pass
	1	0	Lowest	17.95	1.27	6.70	2.15	21.23	Vertical	Pass
	1	0	Middle	17.15	1.28	6.70	2.15	20.42	Vertical	Pass
	1	0	Highest	17.93	1.29	6.70	2.15	21.19	Vertical	Pass
16QAM	1	0	Lowest	15.97	1.27	6.70	2.15	19.25	Horizontal	Pass
	1	0	Middle	17.78	1.28	6.70	2.15	21.05	Horizontal	Pass
	1	0	Highest	15.98	1.29	6.70	2.15	19.24	Horizontal	Pass
	1	0	Lowest	17.74	1.27	6.70	2.15	21.02	Vertical	Pass
	1	0	Middle	14.87	1.28	6.70	2.15	18.14	Vertical	Pass
	1	0	Highest	16.83	1.29	6.70	2.15	20.09	Vertical	Pass
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 5 / 10M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	16.64	1.27	6.70	2.15	19.92	Horizontal	Pass
	1	0	Middle	18.62	1.28	6.70	2.15	21.89	Horizontal	Pass
	1	0	Highest	16.86	1.29	6.70	2.15	20.12	Horizontal	Pass
	1	0	Lowest	18.67	1.27	6.70	2.15	21.95	Vertical	Pass
	1	0	Middle	16.82	1.28	6.70	2.15	20.09	Vertical	Pass
	1	0	Highest	18.66	1.29	6.70	2.15	21.92	Vertical	Pass
16QAM	1	0	Lowest	15.91	1.27	6.70	2.15	19.19	Horizontal	Pass
	1	0	Middle	17.86	1.28	6.70	2.15	21.13	Horizontal	Pass
	1	0	Highest	16.27	1.29	6.70	2.15	19.53	Horizontal	Pass
	1	0	Lowest	18.04	1.27	6.70	2.15	21.32	Vertical	Pass
	1	0	Middle	15.99	1.28	6.70	2.15	19.26	Vertical	Pass
	1	0	Highest	17.75	1.29	6.70	2.15	21.01	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (EIRP) for LTE Band 7 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.92	2.56	10.60	22.96	Horizontal	Pass
	1	0	Middle	16.91	2.67	10.65	24.89	Horizontal	Pass
	1	0	Highest	14.38	2.72	10.70	22.36	Horizontal	Pass
	1	0	Lowest	16.18	2.56	10.60	24.22	Vertical	Pass
	1	0	Middle	14.5	2.67	10.65	22.48	Vertical	Pass
	1	0	Highest	16.2	2.72	10.70	24.18	Vertical	Pass
16QAM	1	0	Lowest	14.25	2.56	10.60	22.29	Horizontal	Pass
	1	0	Middle	16.28	2.67	10.65	24.26	Horizontal	Pass
	1	0	Highest	14.15	2.72	10.70	22.13	Horizontal	Pass
	1	0	Lowest	15.85	2.56	10.60	23.89	Vertical	Pass
	1	0	Middle	13.8	2.67	10.65	21.78	Vertical	Pass
1	0	Highest	15.58	2.72	10.70	23.56	Vertical	Pass	
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 7 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.84	2.56	10.60	22.88	Horizontal	Pass
	1	0	Middle	16.77	2.67	10.65	24.75	Horizontal	Pass
	1	0	Highest	14.45	2.72	10.70	22.43	Horizontal	Pass
	1	0	Lowest	16.12	2.56	10.60	24.16	Vertical	Pass
	1	0	Middle	14.39	2.67	10.65	22.37	Vertical	Pass
	1	0	Highest	16.11	2.72	10.70	24.09	Vertical	Pass
16QAM	1	0	Lowest	14.39	2.56	10.60	22.43	Horizontal	Pass
	1	0	Middle	16.21	2.67	10.65	24.19	Horizontal	Pass
	1	0	Highest	13.94	2.72	10.70	21.92	Horizontal	Pass
	1	0	Lowest	15.77	2.56	10.60	23.81	Vertical	Pass
	1	0	Middle	13.68	2.67	10.65	21.66	Vertical	Pass
1	0	Highest	15.51	2.72	10.70	23.49	Vertical	Pass	
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 7 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.65	2.56	10.60	22.69	Horizontal	Pass
	1	0	Middle	16.7	2.67	10.65	24.68	Horizontal	Pass
	1	0	Highest	14.29	2.72	10.70	22.27	Horizontal	Pass
	1	0	Lowest	16.04	2.56	10.60	24.08	Vertical	Pass
	1	0	Middle	14.16	2.67	10.65	22.14	Vertical	Pass
	1	0	Highest	16.04	2.72	10.70	24.02	Vertical	Pass
16QAM	1	0	Lowest	14.36	2.56	10.60	22.40	Horizontal	Pass
	1	0	Middle	16.14	2.67	10.65	24.12	Horizontal	Pass
	1	0	Highest	13.81	2.72	10.70	21.79	Horizontal	Pass
	1	0	Lowest	15.71	2.56	10.60	23.75	Vertical	Pass
	1	0	Middle	13.51	2.67	10.65	21.49	Vertical	Pass
1	0	Highest	15.37	2.72	10.70	23.35	Vertical	Pass	
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 7 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.6	2.56	10.60	22.64	Horizontal	Pass
	1	0	Middle	16.54	2.67	10.65	24.52	Horizontal	Pass
	1	0	Highest	14.18	2.72	10.70	22.16	Horizontal	Pass
	1	0	Lowest	15.94	2.56	10.60	23.98	Vertical	Pass
	1	0	Middle	14.09	2.67	10.65	22.07	Vertical	Pass
	1	0	Highest	15.92	2.72	10.70	23.90	Vertical	Pass
16QAM	1	0	Lowest	14.24	2.56	10.60	22.28	Horizontal	Pass
	1	0	Middle	16.05	2.67	10.65	24.03	Horizontal	Pass
	1	0	Highest	13.89	2.72	10.70	21.87	Horizontal	Pass
	1	0	Lowest	15.65	2.56	10.60	23.69	Vertical	Pass
	1	0	Middle	13.54	2.67	10.65	21.52	Vertical	Pass
1	0	Highest	15.31	2.72	10.70	23.29	Vertical	Pass	
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 66 / 1.4M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.71	2.35	10.13	22.49	Horizontal	Pass
	1	0	Middle	16.43	2.36	10.16	24.23	Horizontal	Pass
	1	0	Highest	14.29	2.37	10.22	22.14	Horizontal	Pass
	1	0	Lowest	16.34	2.35	10.13	24.12	Vertical	Pass
	1	0	Middle	13.47	2.36	10.16	21.27	Vertical	Pass
	1	0	Highest	15.16	2.37	10.22	23.01	Vertical	Pass
16QAM	1	0	Lowest	13.71	2.35	10.13	21.49	Horizontal	Pass
	1	0	Middle	15.46	2.36	10.16	23.26	Horizontal	Pass
	1	0	Highest	13.47	2.37	10.22	21.32	Horizontal	Pass
	1	0	Lowest	15.44	2.35	10.13	23.22	Vertical	Pass
	1	0	Middle	12.44	2.36	10.16	20.24	Vertical	Pass
	1	0	Highest	14.18	2.37	10.22	22.03	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 3M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.52	2.35	10.13	22.30	Horizontal	Pass
	1	0	Middle	16.32	2.36	10.16	24.12	Horizontal	Pass
	1	0	Highest	14.24	2.37	10.22	22.09	Horizontal	Pass
	1	0	Lowest	16.31	2.35	10.13	24.09	Vertical	Pass
	1	0	Middle	13.38	2.36	10.16	21.18	Vertical	Pass
	1	0	Highest	15.04	2.37	10.22	22.89	Vertical	Pass
16QAM	1	0	Lowest	13.37	2.35	10.13	21.15	Horizontal	Pass
	1	0	Middle	15.33	2.36	10.16	23.13	Horizontal	Pass
	1	0	Highest	13.39	2.37	10.22	21.24	Horizontal	Pass
	1	0	Lowest	15.31	2.35	10.13	23.09	Vertical	Pass
	1	0	Middle	12.26	2.36	10.16	20.06	Vertical	Pass
	1	0	Highest	14.06	2.37	10.22	21.91	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 66 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.33	2.35	10.13	22.11	Horizontal	Pass
	1	0	Middle	16.26	2.36	10.16	24.06	Horizontal	Pass
	1	0	Highest	14.35	2.37	10.22	22.20	Horizontal	Pass
	1	0	Lowest	16.21	2.35	10.13	23.99	Vertical	Pass
	1	0	Middle	13.23	2.36	10.16	21.03	Vertical	Pass
	1	0	Highest	14.93	2.37	10.22	22.78	Vertical	Pass
16QAM	1	0	Lowest	13.41	2.35	10.13	21.19	Horizontal	Pass
	1	0	Middle	15.26	2.36	10.16	23.06	Horizontal	Pass
	1	0	Highest	13.21	2.37	10.22	21.06	Horizontal	Pass
	1	0	Lowest	15.21	2.35	10.13	22.99	Vertical	Pass
	1	0	Middle	12.12	2.36	10.16	19.92	Vertical	Pass
	1	0	Highest	14	2.37	10.22	21.85	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization	
								Of Max. EIRP	
QPSK	1	0	Lowest	14.23	2.35	10.13	22.01	Horizontal	Pass
	1	0	Middle	16.09	2.36	10.16	23.89	Horizontal	Pass
	1	0	Highest	14.05	2.37	10.22	21.90	Horizontal	Pass
	1	0	Lowest	16.01	2.35	10.13	23.79	Vertical	Pass
	1	0	Middle	12.89	2.36	10.16	20.69	Vertical	Pass
	1	0	Highest	14.76	2.37	10.22	22.61	Vertical	Pass
16QAM	1	0	Lowest	13.46	2.35	10.13	21.24	Horizontal	Pass
	1	0	Middle	15.15	2.36	10.16	22.95	Horizontal	Pass
	1	0	Highest	13.11	2.37	10.22	20.96	Horizontal	Pass
	1	0	Lowest	14.89	2.35	10.13	22.67	Vertical	Pass
	1	0	Middle	12.12	2.36	10.16	19.92	Vertical	Pass
	1	0	Highest	13.84	2.37	10.22	21.69	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 66 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	14.06	2.35	10.13	21.84	Horizontal	Pass
	1	0	Middle	15.92	2.36	10.16	23.72	Horizontal	Pass
	1	0	Highest	13.78	2.37	10.22	21.63	Horizontal	Pass
	1	0	Lowest	15.83	2.35	10.13	23.61	Vertical	Pass
	1	0	Middle	12.98	2.36	10.16	20.78	Vertical	Pass
	1	0	Highest	14.67	2.37	10.22	22.52	Vertical	Pass
16QAM	1	0	Lowest	13.08	2.35	10.13	20.86	Horizontal	Pass
	1	0	Middle	14.98	2.36	10.16	22.78	Horizontal	Pass
	1	0	Highest	12.81	2.37	10.22	20.66	Horizontal	Pass
	1	0	Lowest	14.75	2.35	10.13	22.53	Vertical	Pass
	1	0	Middle	11.96	2.36	10.16	19.76	Vertical	Pass
	1	0	Highest	13.63	2.37	10.22	21.48	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.99	2.35	10.13	21.77	Horizontal	Pass
	1	0	Middle	15.79	2.36	10.16	23.59	Horizontal	Pass
	1	0	Highest	13.65	2.37	10.22	21.50	Horizontal	Pass
	1	0	Lowest	15.68	2.35	10.13	23.46	Vertical	Pass
	1	0	Middle	12.59	2.36	10.16	20.39	Vertical	Pass
	1	0	Highest	14.53	2.37	10.22	22.38	Vertical	Pass
16QAM	1	0	Lowest	12.82	2.35	10.13	20.60	Horizontal	Pass
	1	0	Middle	14.69	2.36	10.16	22.49	Horizontal	Pass
	1	0	Highest	12.46	2.37	10.22	20.31	Horizontal	Pass
	1	0	Lowest	14.48	2.35	10.13	22.26	Vertical	Pass
	1	0	Middle	11.73	2.36	10.16	19.53	Vertical	Pass
	1	0	Highest	13.41	2.37	10.22	21.26	Vertical	Pass
Limit	EIRP<1W=30dBm								



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*****

