TEST REPORT

No. I21N01062-EMC-LTE

for

Rootcloud technology CO.,LTD

T-AMS PRO

Model Name: LI1520-DC-T-GL PRO

FCC ID: 2AO7J-LI1520

with

Hardware Version: V1.0

Software Version: V1.0

Issued Date: 2021-07-01

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N01062-EMC-LTE	Rev.0	1st edition	2021-07-01

Note: the latest revision of the test report supersedes all previous version.

Note：As the frequency band range of LTE Band 41(2496-2690MHz) overlaps the range of LTE Band 38(2570-2620MHz), LTE Band 26(814-849MHz) overlaps the range of LTE Band 18(815-830MHz), LTE Band 19(830-845MHz) ,The channel bandwidth and other perating parameters for LTE Band 38 are fully supported by LTE Band 41, the channel bandwidth and other perating parameters for LTE Band 18/19 are fully supported by LTE Band 26,and the miximum output power of LTE Band 41 is larger than the LTE Band 38, the miximum output power of LTE Band 26 is larger than the LTE Band 18/19, we just need to test all the cases of LTE Band 41 and LTE Band 26

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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	T-AMS PRO
Model Name	LI1520-DC-T-GL PRO
Applicant's name	Rootcloud technology CO.,LTD
Manufacturer's Name	Rootcloud technology CO.,LTD

1.2. Test Standards

FCC Part 2/22/24/27	10-1-19 Edition
ANSI C63.26	2015
KDB971168 D01	v03r01

1.3. Test Result

Total test 2 items, pass 2 items. Please refer to "6 Summary of Test Results" for detail.

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000

1.5. Project Data

Testing Start Date: 2020-05-21 Testing End Date: 2021-06-28

1.6. Signature

Liang Yong
(Prepared this test report)

Zhang Yunzhuan
(Reviewed this test report)

Cao Junfei
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	Rootcloud technology CO.,LTD
Address:	Room 303-309, No. 3, East Road, Pazhou Avenue,Haizhu District, Guangzhou 510335
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Email	Huiyan.wu@rootcloud.com
Tel.	+86 18306678502

2.2. Manufacturer Information

Company Name:	Rootcloud technology CO.,LTD
Address:	Room 303-309, No. 3, East Road, Pazhou Avenue,Haizhu District, Guangzhou 510335
Contact	Joyce Wu
Email	Huiyan.wu@rootcloud.com
Tel.	+86 18306678502

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	T-AMS PRO
Model Name	LI1520-DC-T-GL PRO
FCC ID	2AO7J-LI1520
Frequency Bands	LTE Bands 2,4,5,7,12,13,18,19,26,38,41
Antenna	External antenna
Power Source	DC12V/DC 24V
Condition of EUT as received	No abnormality in appearance

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Sample Arrival Date
UT03aa	867698042521149	V1.0	V1.0	2021-04-08

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1	GPS/4G Antenna
AE2	DC power supply
AE3	USB flash disk

AE1

Model	DAMGA2Y1G1X-SG-J5M
Manufacturer	GLEAD Electronics

AE2

Model	ZUP60-14
Manufacturer	/

AE3

Model	CZ73
Manufacturer	SanDisk

*AE ID: is used to identify the test sample in the lab internally.

AE2/AE3:just for testing.

3.4. General Description

The Equipment under Test (EUT) is a model of T-AMS PRO with external antenna.
It consists of normal options: GPS/4G Antenna.
Manual and specifications of the EUT were provided to fulfill the test.
Samples (EUT+AE) undergoing test were selected by the client. Relevant information is provided by the client.
This report is based on LTE Module EG25-G, EG25-G MINIPCIE for for conformance test.
According to the declaration by manufacturer, the following tests need to be performed.

NO.	Test iteam	EUT Operating Mode
1	Out power	LTE
2	Field strength of spurious radiation	LTE

Other results are cited from the report of LTE Module EG25-G, EG25-G.

4. REFERENCE DOCUMENTS

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-19 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-19 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-19 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01

5. LABORATORY ENVIRONMENT

Fully-anechoic chamber did not exceed following limits along the EMC testing

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio （VSWR）	≤ 6 dB, from 1 to 18 GHz，3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	F	Fail
	NA	Not applicable
	NM	Not measured

LTE Band 2

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/24.232	A.1	P
2	Field Strength of Spurious Radiation	2.1053/24.238	A.2	P

LTE Band 4

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(d)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(h)	A.2	P

LTE Band 5

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/22.913	A.1	P
2	Field Strength of Spurious Radiation	2.1053/22.917	A.2	P

LTE Band 7

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P

LTE Band 12

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(c)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g)	A.2	P

LTE Band 13

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(b)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g) /27.53(f)	A.2	P

LTE Band 26 (824MHz-849MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/22.913(a)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/22.917(a)	A.2	P

LTE Band 26 (814MHz-824MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/90.635(b)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/90.691(a)	A.2	P

LTE Band 41

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	27.53(m)	A.2	P

7. STATEMENT

Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

8. TEST EQUIPMENTS UTILIZED

NO.	Description	TYPE	Manufacture	series number	CAL DUE DATE
1	Test Receiver	ESR7	R&S	101676	2021-11-25
2	BiLog Antenna	3142E	ETS-lindgren	0224831	2024-05-24
3	Horn Antenna	3117	ETS-lindgren	00066577	2022-04-02
4	Horn Antenna	QSH-SL-18 -26-S-20	Q-par	17013	2023-01-06
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2022-12-05
6	Antenna	VUBA 9117	Schwarzbeck	207	2023-07-15
7	Antenna	QWH-SL-18 -40-K-SG	Q-par	15979	2023-01-06
8	preamplifier	83017A	Agilent	MY39501110	/
9	Signal Generator	SMB100A	R&S	179725	2021-11-25
10	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2021-07-19
11	Spectrum Analyzer	FSV40	R&S	101192	2022-01-13
12	Universal Radio Communication Tester	CMW500	R&S	152499	2021-07-16
13	Universal Radio Communication Tester	CMU200	R&S	123210	2021-12-13

Test software

Item	Name	Vesion
Radiated	EMC32	Version 10.50.40

ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER

Reference

FCC: CFR Part 2.1046, 22.913, 24.232, 27.50,90.635.

A.1.1 Summary

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMW500) to ensure max power transmission and proper modulation.

This result contains peak output power and ERP/EIRP measurements for the EUT.

In all cases, output power is within the specified limits.

A.1.2 Radiated

A.1.2.1 Description

This is the test for the maximum radiated power from the EUT.

Rule Part 24.232(b) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(c) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."

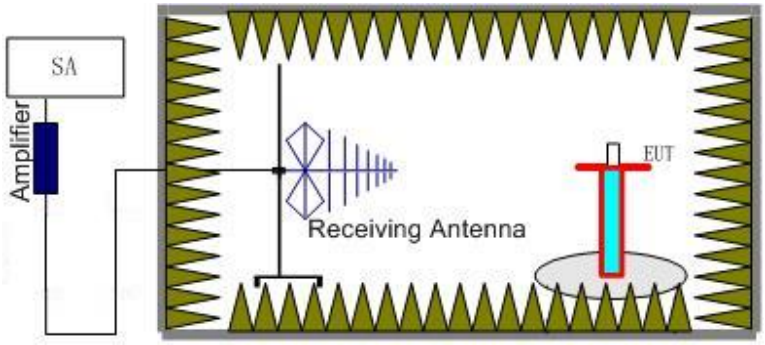
Rule Part 27.50(d) specifies “Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP”.

Rule Part 27.50(h)(2) specifies “Mobile stations are limited to 2.0 watts EIRP.”.

Rule Part 27.50(c) specifies “Portable stations (hand-held de-vices) are limited to 3 watts ERP.”.

A.1.2.2 Method of Measurement

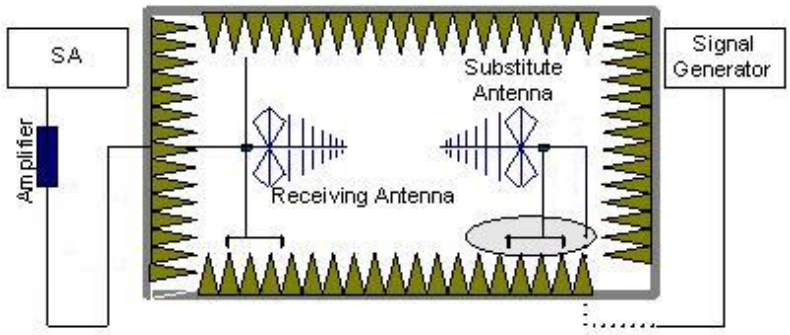
1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during

the test. And the maximum value of the receiver should be recorded as (Pr).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. An amplifier should be connected to the Signal Source output port. And the cable should be connected between the amplifier and the substitution antenna.
   The cable loss (P_{cl}), the substitution Antenna Gain(dBi) (G_a) and the amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power (EIRP) = $P_{Mea} - P_{Ag} - P_{cl} + G_a$
5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dB.

A.1.2.3 Measurement result

LTE Band 2- EIRP Part 24. 232(b)

Limits: ≤33dBm (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-18.33	-29.30	8.10	19.07	33.00	H
1880.00	-18.23	-29.40	8.10	19.27	33.00	H
1909.30	-16.70	-29.30	8.10	20.70	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-18.03	-29.30	8.10	19.37	33.00	H
1880.00	-17.32	-29.40	8.10	20.18	33.00	H
1908.50	-16.58	-29.30	8.10	20.82	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.97	-29.30	8.10	19.43	33.00	H
1880.00	-17.96	-29.40	8.10	19.54	33.00	H
1907.50	-16.63	-29.30	8.10	20.77	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.51	-29.30	8.10	19.89	33.00	H
1880.00	-17.92	-29.40	8.10	19.58	33.00	H
1905.00	-17.30	-29.30	8.10	20.10	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.13	-29.30	8.10	20.27	33.00	H
1880.00	-17.62	-29.40	8.10	19.88	33.00	H
1902.50	-17.19	-29.30	8.10	20.21	33.00	H

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-18.00	-29.30	8.10	19.40	33.00	H
1880.00	-17.99	-29.40	8.10	19.51	33.00	H
1900.00	-17.16	-29.30	8.10	20.24	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-17.96	-29.30	8.10	19.44	33.00	H
1880.00	-18.32	-29.40	8.10	19.18	33.00	H
1909.30	-16.67	-29.30	8.10	20.73	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.97	-29.30	8.10	20.43	33.00	H
1880.00	-17.91	-29.40	8.10	19.59	33.00	H
1908.50	**-16.34**	**-29.30**	**8.10**	**21.06**	**33.00**	**H**

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-18.09	-29.30	8.10	19.31	33.00	H
1880.00	-17.94	-29.40	8.10	19.56	33.00	H
1907.50	-17.09	-29.30	8.10	20.31	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.79	-29.30	8.10	20.61	33.00	H
1880.00	-18.01	-29.40	8.10	19.49	33.00	H
1905.00	-17.16	-29.30	8.10	20.24	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-18.11	-29.30	8.10	19.29	33.00	H
1880.00	-17.43	-29.40	8.10	20.07	33.00	H
1902.50	-17.24	-29.30	8.10	20.16	33.00	H

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-18.23	-29.30	8.10	19.17	33.00	H
1880.00	-17.39	-29.40	8.10	20.11	33.00	H
1900.00	-17.10	-29.30	8.10	20.30	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.34dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB) =21.06dBm

LTE Band 4- EIRP Part 27.50(d)

Limits: ≤30dBm (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.61	-29.60	8.10	19.09	30.00	H
1732.50	-18.15	-29.60	8.10	19.55	30.00	H
1754.30	-17.57	-29.50	8.10	20.03	30.00	H

LTE Band 4_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.46	-29.60	8.10	19.24	30.00	H
1732.50	-18.43	-29.60	8.10	19.27	30.00	H
1753.50	-17.95	-29.50	8.10	19.65	30.00	H

LTE Band 4_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.50	-29.60	8.10	19.20	30.00	H
1732.50	-17.73	-29.60	8.10	19.97	30.00	H
1752.50	-18.23	-29.50	8.10	19.37	30.00	H

LTE Band 4_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.65	-29.60	8.10	19.05	30.00	H
1732.50	-18.22	-29.60	8.10	19.48	30.00	H
1750.00	-17.88	-29.50	8.10	19.72	30.00	H

LTE Band 4_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.74	-29.60	8.10	18.96	30.00	H
1732.50	-18.00	-29.60	8.10	19.70	30.00	H
1747.50	**-17.29**	**-29.50**	**8.10**	**20.31**	**30.00**	**H**

LTE Band 4_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.57	-29.60	8.10	19.13	30.00	H
1732.50	-18.48	-29.60	8.10	19.22	30.00	H
1745.00	-17.37	-29.50	8.10	20.23	30.00	H

LTE Band 4_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.21	-29.60	8.10	19.49	30.00	H
1732.50	-17.71	-29.60	8.10	19.99	30.00	H
1754.30	-17.98	-29.50	8.10	19.62	30.00	H

LTE Band 4_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.08	-29.60	8.10	19.62	30.00	H
1732.50	-17.71	-29.60	8.10	19.99	30.00	H
1753.50	-17.94	-29.50	8.10	19.66	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.29	-29.60	8.10	19.41	30.00	H
1732.50	-17.99	-29.60	8.10	19.71	30.00	H
1752.50	-18.16	-29.50	8.10	19.44	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.83	-29.60	8.10	18.87	30.00	H
1732.50	-17.62	-29.60	8.10	20.08	30.00	H
1750.00	-17.33	-29.50	8.10	20.27	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.81	-29.60	8.10	18.89	30.00	H
1732.50	-18.13	-29.60	8.10	19.57	30.00	H
1747.50	-17.48	-29.50	8.10	20.12	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.92	-29.60	8.10	18.78	30.00	H
1732.50	-17.84	-29.60	8.10	19.86	30.00	H
1745.00	-18.10	-29.50	8.10	19.50	30.00	H

Peak EIRP (dBm)=P_{Mea}(-17.29dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =20.31dBm

LTE Band 5- ERP part 22.913(a)

Limits: ≤38.45dBm (7W)

LTE Band 5_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.43	-33.60	-0.79	2.15	17.23	38.45	H
836.50	-12.72	-33.50	-0.74	2.15	17.89	38.45	H
848.30	**-11.79**	**-33.50**	**-0.73**	**2.15**	**18.83**	**38.45**	**H**

LTE Band 5_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-13.23	-33.60	-0.84	2.15	17.38	38.45	H
836.50	-12.59	-33.50	-0.74	2.15	18.02	38.45	H
847.50	-11.89	-33.50	-0.73	2.15	18.73	38.45	H

LTE Band 5_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.59	-33.60	-0.84	2.15	17.02	38.45	H
836.50	-13.45	-33.50	-0.74	2.15	17.16	38.45	H
846.50	-12.67	-33.50	-0.73	2.15	17.95	38.45	H

LTE Band 5_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.73	-33.60	-0.84	2.15	16.88	38.45	H
836.50	-13.46	-33.50	-0.74	2.15	17.15	38.45	H
844.00	-12.54	-33.50	-0.78	2.15	18.03	38.45	H

LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-14.37	-33.60	-0.79	2.15	16.69	38.45	H
836.50	-13.89	-33.50	-0.74	2.15	16.72	38.45	H
848.30	-13.25	-33.50	-0.73	2.15	17.37	38.45	H

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-14.60	-33.60	-0.84	2.15	16.51	38.45	H
836.50	-14.00	-33.50	-0.74	2.15	16.61	38.45	H
847.50	-13.26	-33.50	-0.73	2.15	17.36	38.45	H

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-14.12	-33.60	-0.84	2.15	16.49	38.45	H
836.50	-13.86	-33.50	-0.74	2.15	16.75	38.45	H
846.50	-13.69	-33.50	-0.73	2.15	16.93	38.45	H

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-14.56	-33.60	-0.84	2.15	16.55	38.45	H
836.50	-14.46	-33.50	-0.74	2.15	16.55	38.45	H
844.00	-13.45	-33.50	-0.78	2.15	17.12	38.45	H

Peak ERP (dBm)=P_{Mea}(-11.79dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15dB =18.83dBm

LTE Band 7- EIRP Part 27.50(h)(2)

Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-19.58	-28.70	10.70	19.82	33.00	H
2535.00	-19.29	-28.60	10.70	20.01	33.00	H
2567.50	**-18.58**	**-28.60**	**10.70**	**20.72**	**33.00**	**H**

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-19.54	-28.70	10.70	19.86	33.00	H
2535.00	-19.21	-28.60	10.70	20.09	33.00	H
2565.00	-19.68	-28.60	10.70	19.62	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-19.72	-28.70	10.70	19.68	33.00	H
2535.00	-19.61	-28.60	10.70	19.69	33.00	H
2562.50	-19.00	-28.60	10.70	20.30	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-20.04	-28.70	10.70	19.36	33.00	H
2535.00	-18.94	-28.60	10.70	20.36	33.00	H
2560.00	-19.18	-28.60	10.70	20.12	33.00	H

LTE Band 7_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-20.02	-28.70	10.70	19.38	33.00	H
2535.00	-19.65	-28.60	10.70	19.65	33.00	H
2567.50	-18.80	-28.60	10.70	20.50	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-19.54	-28.70	10.70	19.86	33.00	H
2535.00	-19.21	-28.60	10.70	20.09	33.00	H
2565.00	-19.68	-28.60	10.70	19.62	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-19.72	-28.70	10.70	19.68	33.00	H
2535.00	-19.61	-28.60	10.70	19.69	33.00	H
2562.50	-19.00	-28.60	10.70	20.30	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-20.04	-28.70	10.70	19.36	33.00	H
2535.00	-18.94	-28.60	10.70	20.36	33.00	H
2560.00	-19.18	-28.60	10.70	20.12	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.58dBm)-(P_{cl}+P_{Ag})(-28.60dB)+G_a(10.70dB) =20.72dBm

LTE Band 12 - ERP Part 27.50(c)(10)

Limits: ≤34.77dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.72	-34.80	-0.93	2.15	19.00	34.77	H
707.50	**-10.68**	**-34.70**	**-0.91**	**2.15**	**20.96**	**34.77**	**H**
715.30	-11.24	-34.70	-0.68	2.15	20.63	34.77	H

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-14.94	-34.80	-0.97	2.15	16.74	34.77	H
707.50	-13.83	-34.70	-0.91	2.15	17.81	34.77	H
714.50	-14.97	-34.70	-0.64	2.15	16.94	34.77	H

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-14.92	-34.80	-0.97	2.15	16.76	34.77	H
707.50	-14.18	-34.70	-0.91	2.15	17.46	34.77	H
713.50	-14.50	-34.70	-0.64	2.15	17.41	34.77	H

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-15.44	-34.80	-0.97	2.15	16.24	34.77	H
707.50	-14.80	-34.70	-0.91	2.15	16.84	34.77	H
711.00	-14.10	-34.70	-0.64	2.15	17.81	34.77	H

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.34	-34.80	-0.93	2.15	18.38	34.77	H
707.50	-11.59	-34.70	-0.91	2.15	20.05	34.77	H
715.30	-11.63	-34.70	-0.68	2.15	20.24	34.77	H

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-15.37	-34.80	-0.97	2.15	16.31	34.77	H
707.50	-14.35	-34.70	-0.91	2.15	17.29	34.77	H
714.50	-15.39	-34.70	-0.64	2.15	16.52	34.77	H

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-15.39	-34.80	-0.97	2.15	16.29	34.77	H
707.50	-14.45	-34.70	-0.91	2.15	17.19	34.77	H
713.50	-14.86	-34.70	-0.64	2.15	17.05	34.77	H

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-15.37	-34.80	-0.97	2.15	16.31	34.77	704.00
707.50	-14.77	-34.70	-0.91	2.15	16.87	34.77	707.50
711.00	-14.68	-34.70	-0.64	2.15	17.23	34.77	711.00

Peak ERP (dBm)=P_{Mea}(-10.68Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.68dB) -2.15dB =20.96dBm

LTE Band 13 - ERP Part 27.50(b)(10)

Limits: ≤34.77dBm (3W)

LTE Band 13_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-14.70	-34.00	-0.08	2.15	17.07	34.77	H
782.00	-14.34	-34.00	-0.13	2.15	17.38	34.77	H
784.50	**-13.09**	**-34.00**	**-0.13**	**2.15**	**18.63**	**34.77**	**H**

LTE Band 13_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-14.22	-34.00	-0.13	2.15	17.50	34.77	H

LTE Band 13_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-14.87	-34.00	-0.08	-0.08	16.90	34.77	H
782.00	-14.48	-34.00	-0.13	-0.13	17.24	34.77	H
784.50	-13.95	-34.00	-0.13	-0.13	17.77	34.77	H

LTE Band 13_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-14.91	-34.00	-0.13	2.15	16.81	34.77	H

Peak ERP (dBm)=P_{Mea}(-13.09dBm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =18.63dBm

LTE Band 25- EIRP Part 24. 232(b)

Limits: ≤33dBm (2W)

LTE Band 25_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	**-16.32**	**-29.30**	**8.10**	**21.08**	**33.00**	**H**
1882.50	-17.77	-29.40	8.10	19.73	33.00	H
1914.30	-17.95	-29.30	8.10	19.45	33.00	H

LTE Band 25_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.71	-29.30	8.10	20.69	33.00	H
1882.50	-16.99	-29.40	8.10	20.51	33.00	H
1913.50	-17.24	-29.30	8.10	20.16	33.00	H

LTE Band 25_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.89	-29.30	8.10	20.51	33.00	H
1882.50	-17.70	-29.40	8.10	19.80	33.00	H
1912.50	-17.23	-29.30	8.10	20.17	33.00	H

LTE Band 25_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.03	-29.30	8.10	20.37	33.00	H
1882.00	-17.37	-29.40	8.10	20.13	33.00	H
1910.00	-17.53	-29.30	8.10	19.87	33.00	H

LTE Band 25_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.06	-29.30	8.10	20.34	33.00	H
1882.50	-17.58	-29.40	8.10	19.92	33.00	H
1907.50	-17.46	-29.30	8.10	19.94	33.00	H

LTE Band 25_20 MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.21	-29.30	8.10	20.19	33.00	H
1882.50	-17.57	-29.40	8.10	19.93	33.00	H
1905.00	-16.95	-29.30	8.10	20.45	33.00	H

LTE Band 25_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.52	-29.30	8.10	20.88	33.00	H
1882.50	-16.75	-29.40	8.10	20.75	33.00	H
1914.30	-17.79	-29.30	8.10	19.61	33.00	H

LTE Band 25_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.82	-29.30	8.10	20.58	33.00	H
1882.50	-17.98	-29.40	8.10	19.52	33.00	H
1913.50	-17.72	-29.30	8.10	19.68	33.00	**H**

LTE Band 25_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.08	-29.30	8.10	20.32	33.00	H
1882.50	-17.13	-29.40	8.10	20.37	33.00	H
1912.50	-17.65	-29.30	8.10	19.75	33.00	H

LTE Band 25_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.99	-29.30	8.10	20.41	33.00	H
1882.00	-17.24	-29.40	8.10	20.26	33.00	H
1910.00	-17.77	-29.30	8.10	19.63	33.00	H

LTE Band 25_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.05	-29.30	8.10	20.35	33.00	H
1882.50	-17.48	-29.40	8.10	20.02	33.00	H
1907.50	-17.24	-29.30	8.10	20.16	33.00	H

LTE Band 25_20 MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.26	-29.30	8.10	20.14	33.00	H
1882.50	-17.24	-29.40	8.10	20.26	33.00	H
1905.00	-17.04	-29.30	8.10	20.36	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.32dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB) =21.08dBm

LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)

Limits: ≤50.00dBm (100W)

LTE band 26(814MHz-824MHz)_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.11	-33.70	-0.80	2.15	19.64	50.00	H
819.00	-10.89	-33.60	-0.75	2.15	19.81	50.00	H
823.30	-11.41	-33.60	-0.79	2.15	19.25	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	**-10.79**	**-33.70**	**-0.80**	**2.15**	**19.96**	**50.00**	**H**
819.00	-11.26	-33.60	-0.75	2.15	19.44	50.00	H
822.50	-11.55	-33.60	-0.79	2.15	19.11	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.31	-33.70	-0.80	2.15	19.44	50.00	H
819.00	-11.98	-33.60	-0.75	2.15	18.72	50.00	H
821.50	-11.83	-33.60	-0.79	2.15	18.83	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.21	-33.60	-0.80	2.15	18.44	50.00	H
819.00	-12.26	-33.60	-0.75	2.15	18.44	50.00	H
819.00	-12.22	-33.60	-0.79	2.15	18.44	50.00	H

LTE band 26(814MHz-824MHz)_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.41	-33.70	-0.80	2.15	19.34	50.00	H
819.00	-10.82	-33.60	-0.75	2.15	19.88	50.00	H
823.30	-11.55	-33.60	-0.79	2.15	19.11	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.80	-33.70	-0.80	2.15	19.95	50.00	H
819.00	-11.13	-33.60	-0.75	2.15	19.57	50.00	H
822.50	-11.46	-33.60	-0.79	2.15	19.20	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.27	-33.70	-0.80	2.15	19.48	50.00	H
819.00	-11.81	-33.60	-0.75	2.15	18.89	50.00	H
821.50	-11.96	-33.60	-0.79	2.15	18.70	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.45	-33.60	-0.80	2.15	18.20	50.00	H
819.00	-12.50	-33.60	-0.75	2.15	18.20	50.00	H
819.00	-12.46	-33.60	-0.79	2.15	18.20	50.00	H

Peak ERP (dBm)=P_{Mea}(-10.79dBm)-(P_{cl}+P_{Ag})(-33.60dB)+G_a(-0.79dB) -2.15 =19.96dBm

LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)

Limits: ≤38.45dBm (7W)

LTE band 26(824MHz-849MHz)_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.24	-33.60	-0.79	2.15	17.42	38.45	H
836.50	-13.46	-33.50	-0.74	2.15	17.15	38.45	H
848.30	-13.81	-33.50	-0.73	2.15	16.81	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-13.32	-33.60	-0.79	2.15	17.34	38.45	H
836.50	-14.19	-33.50	-0.74	2.15	16.42	38.45	H
847.50	-13.81	-33.50	-0.73	2.15	16.81	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.72	-33.60	-0.79	2.15	16.94	38.45	H
836.50	-13.64	-33.50	-0.74	2.15	16.97	38.45	H
846.50	-14.37	-33.50	-0.73	2.15	16.25	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	**-13.17**	**-33.60**	**-0.79**	**2.15**	**17.49**	**38.45**	**H**
836.50	-14.20	-33.50	-0.74	2.15	16.41	38.45	H
844.00	-14.10	-33.50	-0.73	2.15	16.52	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-13.57	-33.60	-0.79	2.15	17.09	38.45	H
836.50	-13.61	-33.50	-0.74	2.15	17.00	38.45	H
841.50	-13.92	-33.50	-0.73	2.15	16.70	38.45	H

LTE band 26(824MHz-849MHz)_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.30	-33.60	-0.79	2.15	17.36	38.45	H
836.50	-13.17	-33.50	-0.74	2.15	17.44	38.45	H
848.30	-13.74	-33.50	-0.73	2.15	16.88	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-13.12	-33.60	-0.79	2.15	17.54	38.45	H
836.50	-13.53	-33.50	-0.74	2.15	17.08	38.45	H
847.50	-13.76	-33.50	-0.73	2.15	16.86	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.56	-33.60	-0.79	2.15	17.10	38.45	H
836.50	-14.02	-33.50	-0.74	2.15	16.59	38.45	H
846.50	-14.22	-33.50	-0.73	2.15	16.40	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.56	-33.60	-0.79	2.15	17.10	38.45	H
836.50	-14.12	-33.50	-0.74	2.15	16.49	38.45	H
844.00	-14.03	-33.50	-0.73	2.15	16.59	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-14.08	-33.60	-0.79	2.15	16.58	38.45	H
836.50	-14.23	-33.50	-0.74	2.15	16.38	38.45	H
841.50	-14.03	-33.50	-0.73	2.15	16.59	38.45	H

Peak ERP (dBm)=P_{Mea}(-13.17dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15=17.49dBm

LTE Band 41 - EIRP Part 27.50(h)(2)

Limits: ≤33dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-19.33	-28.70	10.70	20.07	33.00	H
2593.00	-18.93	-28.60	10.70	20.37	33.00	H
2687.50	-19.50	-28.50	10.70	19.70	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-19.37	-28.70	10.70	20.03	33.00	H
2593.00	-19.27	-28.60	10.70	20.30	33.00	H
2685.00	-18.90	-28.50	10.70	20.03	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-19.53	-28.70	10.70	19.87	33.00	H
2593.00	-18.06	-28.60	10.70	21.24	33.00	H
2682.50	-19.44	-28.50	10.70	19.76	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-19.14	-28.70	10.70	20.26	33.00	H
2593.00	-18.85	-28.60	10.70	20.45	33.00	H
2680.00	-19.70	-28.50	10.70	19.50	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-19.29	-28.70	10.70	20.11	33.00	H
2593.00	-18.87	-28.60	10.70	20.43	33.00	H
2687.50	-19.49	-28.50	10.70	19.71	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-19.27	-28.70	10.70	20.13	33.00	H
2593.00	-19.17	-28.60	10.70	20.13	33.00	H
2685.00	-18.70	-28.50	10.70	20.50	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-19.33	-28.70	10.70	20.07	33.00	H
2593.00	**-17.76**	**-28.60**	**10.70**	**21.54**	**33.00**	**H**
2682.50	-19.36	-28.50	10.70	19.84	33.00	H

LTE Band 41_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-19.06	-28.70	10.70	20.34	33.00	H
2593.00	-18.95	-28.60	10.70	20.35	33.00	H
2680.00	-19.60	-28.50	10.70	19.60	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.76dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =21.54dBm

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

FCC: CFR 2.1053, 22.917, 24.238, 27.53,90.691.

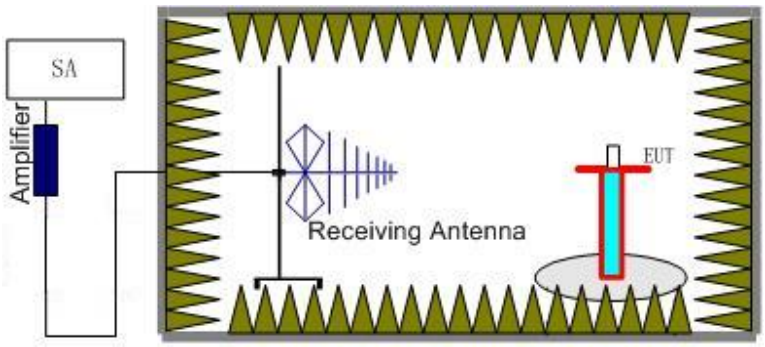
A.2.1 Measurement Method

This measurement is carried out in fully-anechoic chamber FAC-3.

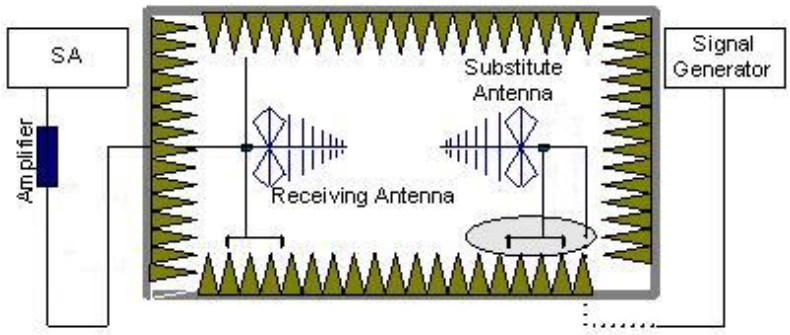
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) . The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the LTE Bands 2,4,5,7,12,17,66.

The procedure of radiated spurious emissions is as follows:

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) (G_a) should be recorded after test.
   An amplifier should be connected in for the test.
   The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.
   The measurement results are obtained as described below:
   Power (EIRP)=P_{Mea} - P_{pl} + G_a
5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dB.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the LTE Bands 2,4,7,12,13,26,40,41. 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 the LTE Bands 2,4,7,12,13,26,40,41. into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

Only worst case result is given below.

LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2942.67	-46.57	1.00	10.70	-36.87	-13.00	H
3700.50	-54.07	1.20	12.20	-43.07	-13.00	H
5550.50	-43.24	1.40	13.10	-31.54	-13.00	H
7401.00	-49.45	1.90	12.00	-39.35	-13.00	V
9251.00	-49.62	2.10	11.60	-40.12	-13.00	H
17905.00	-52.50	3.60	12.80	-43.30	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2956.27	-45.57	1.00	10.70	-35.87	-13.00	V
3759.00	-53.40	1.10	12.20	-42.30	-13.00	H
5638.50	-41.34	1.30	13.10	-29.54	-13.00	H
7518.50	-52.64	1.90	11.30	-43.24	-13.00	H
9398.00	-50.50	2.10	11.60	-41.00	-13.00	H
17836.00	-53.21	3.60	12.80	-44.01	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2991.47	-46.65	1.00	10.70	-36.95	-13.00	H
3817.50	-50.72	1.20	12.20	-39.72	-13.00	H
5726.50	-40.42	1.50	13.10	-28.82	-13.00	H
7635.50	-48.48	1.80	11.30	-38.98	-13.00	V
9544.00	-45.62	2.10	11.20	-36.52	-13.00	H
17814.00	-52.97	3.60	12.80	-43.77	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18607

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2946.40	-45.93	1.00	10.70	-36.23	-13.00	V
3700.50	-54.07	1.20	12.20	-43.07	-13.00	H
5550.50	-42.71	1.40	13.10	-31.01	-13.00	H
7401.00	-50.37	1.90	12.00	-40.27	-13.00	V
9251.00	-50.92	2.10	11.60	-41.42	-13.00	H
17815.50	-52.77	3.60	12.80	-43.57	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18900

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2975.47	-46.63	1.00	10.70	-36.93	-13.00	H
3759.00	-51.28	1.10	12.20	-40.18	-13.00	H
5638.50	-41.29	1.30	13.10	-29.49	-13.00	H
7518.00	-51.67	1.90	11.30	-42.27	-13.00	V
9398.00	-50.90	2.10	11.60	-41.40	-13.00	H
15036.50	-52.65	2.40	12.40	-42.65	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 19193

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2942.40	-46.10	1.00	10.70	-36.40	-13.00	H
3817.50	-50.02	1.20	12.20	-39.02	-13.00	H
5726.50	-38.73	1.50	13.10	-27.13	-13.00	H
7635.50	-48.39	1.80	11.30	-38.89	-13.00	V
9544.50	-45.59	2.10	11.20	-36.49	-13.00	V
17813.50	-52.65	3.60	12.80	-43.45	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 4, 1.4MHz QPSK, Channel 19957

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8751.00	-60.75	2.00	12.00	-50.75	-13.00	V
9944.00	-58.75	2.20	11.20	-49.75	-13.00	V
12039.50	-58.03	2.70	12.60	-48.13	-13.00	H
14765.00	-55.27	2.50	11.20	-46.57	-13.00	H
17888.00	-53.10	3.60	12.80	-43.90	-13.00	H
8751.00	-60.75	2.00	12.00	-50.75	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20175

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2997.87	-45.87	1.00	10.70	-36.17	-13.00	V
9326.50	-56.30	2.00	11.60	-46.70	-13.00	V
10175.00	-55.65	2.20	11.30	-46.55	-13.00	H
11950.50	-55.35	2.60	11.00	-46.95	-13.00	H
14995.50	-55.58	2.40	11.20	-46.78	-13.00	H
17752.00	-52.57	3.60	12.80	-43.37	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20393

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2971.20	-46.48	1.00	10.70	-36.78	-13.00	V
7015.50	-53.06	1.80	12.00	-42.86	-13.00	H
8769.00	-55.08	1.90	12.00	-44.98	-13.00	H
10523.00	-52.80	2.30	10.80	-44.30	-13.00	H
14256.50	-55.87	2.60	11.90	-46.57	-13.00	H
17794.00	-53.20	3.60	12.80	-44.00	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 19957

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2986.13	-46.50	1.00	10.70	-36.80	-13.00	H
5133.50	-55.09	1.30	12.50	-43.89	-13.00	V
10261.50	-55.72	2.10	11.30	-46.52	-13.00	H
15392.50	-53.82	2.70	12.40	-44.12	-13.00	V
16272.50	-59.39	2.70	17.40	-44.69	-13.00	V
17870.00	-53.08	3.60	12.80	-43.88	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20175

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2939.20	-46.95	1.00	10.70	-37.25	-13.00	H
6928.00	-53.69	1.80	12.40	-43.09	-13.00	H
8660.50	-50.29	2.00	12.00	-40.29	-13.00	H
10392.50	-55.02	2.30	11.30	-46.02	-13.00	V
14797.50	-54.95	2.50	11.20	-46.25	-13.00	H
17819.00	-52.90	3.60	12.80	-43.70	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20393

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2928.00	-46.11	1.00	10.70	-36.41	-13.00	V
7015.50	-53.96	1.80	12.00	-43.76	-13.00	H
8769.50	-55.01	1.90	12.00	-44.91	-13.00	H
10523.50	-53.69	2.30	10.80	-45.19	-13.00	V
15029.50	-56.93	2.40	12.40	-46.93	-13.00	V
17822.00	-52.78	3.60	12.80	-43.58	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2940.27	-46.22	1.00	10.70	-38.67	-13.00	V
4121.00	-61.54	1.20	12.40	-52.49	-13.00	H
10466.00	-57.97	2.30	11.30	-51.12	-13.00	V
12228.50	-58.39	2.60	12.60	-50.54	-13.00	V
14659.50	-55.49	2.60	11.20	-49.04	-13.00	V
17908.00	-52.96	3.60	12.80	-45.91	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2999.47	-46.20	1.00	10.70	-38.65	-13.00	H
8360.50	-57.59	1.80	11.30	-50.24	-13.00	V
9196.50	-55.04	2.10	11.60	-47.69	-13.00	V
11981.50	-56.11	2.60	11.00	-49.86	-13.00	V
14184.00	-56.80	2.50	11.90	-49.55	-13.00	H
17783.50	-53.25	3.60	12.80	-46.20	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2998.67	-46.12	1.00	10.70	-38.57	-13.00	H
8478.50	-57.25	1.80	11.30	-49.90	-13.00	V
9326.50	-54.40	2.00	11.60	-46.95	-13.00	H
10174.00	-56.21	2.20	11.30	-49.26	-13.00	V
14335.50	-55.85	2.60	11.90	-48.70	-13.00	H
17918.50	-53.56	3.20	12.80	-46.11	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20407

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2472.53	-37.54	0.90	9.80	**-30.79**	-13.00	**H**
8647.50	-61.28	2.00	12.00	**-53.43**	-13.00	**V**
9387.50	-59.31	2.10	11.60	**-51.96**	-13.00	**V**
10911.00	-56.73	2.40	10.80	**-50.48**	-13.00	**V**
15022.50	-56.77	2.40	12.40	**-48.92**	-13.00	**H**
17877.50	-53.57	3.60	12.80	**-46.52**	-13.00	**H**

LTE Band 5, 1.4MHz, 16QAM, Channel 20525

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2508.00	-37.23	0.90	10.70	**-29.58**	-13.00	**2508.00**
15031.50	-57.11	2.40	12.40	**-49.26**	-13.00	**15031.50**
17820.50	-52.82	3.60	12.80	**-45.77**	-13.00	**17820.50**
8360.50	-59.79	1.80	11.30	**-52.44**	-13.00	**8360.50**
12188.50	-58.46	2.60	12.60	**-50.61**	-13.00	**12188.50**
9196.00	-56.74	2.10	11.60	**-49.39**	-13.00	**9196.00**

LTE Band 5, 1.4MHz, 16QAM, Channel 20643

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2543.73	-38.52	0.90	10.70	-30.87	-13.00	H
8478.50	-59.87	1.80	11.30	-52.52	-13.00	V
9326.50	-56.65	2.00	11.60	-49.20	-13.00	H
12003.00	-57.70	2.60	12.60	-49.85	-13.00	V
14737.00	-55.21	2.50	11.20	-48.66	-13.00	V
17788.50	-52.57	3.60	12.80	-45.52	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2888.27	-46.00	1.00	10.70	-36.30	-25.00	H
8742.50	-59.68	2.00	12.00	-49.68	-25.00	V
10010.00	-52.39	2.20	11.30	-43.29	-25.00	H
11998.00	-55.69	2.60	11.00	-47.29	-25.00	H
14779.00	-55.57	2.50	11.20	-46.87	-25.00	H
17816.50	-53.05	3.60	12.80	-43.85	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2937.87	-45.68	1.00	10.70	-35.98	-25.00	V
7605.00	-58.75	1.80	11.30	-49.25	-25.00	V
10142.00	-51.41	2.00	11.30	-42.11	-25.00	H
12185.50	-57.74	2.60	12.60	-47.74	-25.00	V
14187.00	-56.13	2.50	11.90	-46.73	-25.00	H
17960.00	-52.70	3.20	12.80	-43.10	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.13	-46.40	1.00	10.70	-36.70	-25.00	V
7699.00	-58.28	1.80	11.30	-48.78	-25.00	V
10274.50	-51.42	2.10	11.30	-42.22	-25.00	V
12404.00	-57.96	2.60	12.60	-47.96	-25.00	H
15033.50	-56.13	2.40	12.40	-46.13	-25.00	H
17856.00	-52.84	3.60	12.80	-43.64	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 20775

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2994.13	-46.12	1.00	10.70	-36.42	-25.00	V
7501.00	-56.05	1.90	11.30	-46.65	-25.00	V
10001.50	-45.84	2.20	11.30	-36.74	-25.00	H
12009.50	-57.85	2.60	12.60	-47.85	-25.00	V
14841.50	-55.34	2.70	11.20	-46.84	-25.00	H
17892.50	-52.46	3.60	12.80	-43.26	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21100

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2928.53	-46.22	1.00	10.70	-36.52	-25.00	H
7598.50	-54.74	1.80	11.30	-45.24	-25.00	V
10131.50	-44.55	2.00	11.30	-35.25	-25.00	H
12249.00	-58.17	2.60	12.60	-48.17	-25.00	V
15000.00	-56.46	2.40	12.40	-46.46	-25.00	H
17919.50	-53.30	3.20	12.80	-43.70	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21425

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2942.13	-45.70	1.00	10.70	-36.00	-25.00	V
5130.50	-58.61	1.30	12.50	-47.41	-25.00	V
7696.00	-53.02	1.80	11.30	-43.52	-25.00	V
10261.50	-45.68	2.10	11.30	-36.48	-25.00	V
14320.50	-55.56	2.60	11.90	-46.26	-25.00	H
17827.50	-52.75	3.60	12.80	-43.55	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2097.70	-25.13	0.90	9.80	-18.38	-13.00	V
8660.50	-60.77	2.00	12.00	-52.92	-13.00	H
10065.00	-58.77	2.00	11.30	-51.62	-13.00	V
12104.50	-57.68	2.70	12.60	-49.93	-13.00	H
14322.00	-55.63	2.60	11.90	-48.48	-13.00	H
17915.50	-53.56	3.20	12.80	-46.11	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2121.53	-29.88	0.90	9.80	-23.13	-13.00	V
8354.50	-60.41	1.80	11.30	-53.06	-13.00	H
10011.00	-58.75	2.20	11.30	-51.80	-13.00	H
11974.50	-56.07	2.60	11.00	-49.82	-13.00	V
14813.50	-55.45	2.50	11.20	-48.90	-13.00	H
17857.50	-52.74	3.60	12.80	-45.69	-13.00	V

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2144.63	-27.39	0.90	9.80	-20.64	-13.00	V
8655.00	-60.15	2.00	12.00	-52.30	-13.00	H
9730.00	-58.29	2.20	11.20	-51.44	-13.00	H
11967.50	-56.30	2.60	11.00	-50.05	-13.00	V
14427.50	-55.75	2.60	11.90	-48.60	-13.00	V
17809.50	-52.97	3.60	12.80	**-45.92**	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23017

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2098.07	-26.46	0.90	9.80	-19.71	-13.00	V
8759.50	-60.43	1.90	12.00	-52.48	-13.00	H
9946.00	-58.21	2.20	11.20	-51.36	-13.00	H
11943.00	-56.16	2.60	11.00	-49.91	-13.00	H
14757.50	-55.62	2.50	11.20	-49.07	-13.00	H
17922.00	-53.46	3.20	12.80	-46.01	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2121.53	-30.94	0.90	9.80	-24.19	-13.00	H
8764.00	-60.79	1.90	12.00	-52.84	-13.00	H
9935.50	-58.04	2.20	11.20	-51.19	-13.00	H
11915.50	-56.21	2.60	11.00	-49.96	-13.00	V
15023.50	-55.84	2.40	12.40	-47.99	-13.00	H
17825.00	-52.62	3.60	12.80	-45.57	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2144.63	-27.50	0.90	9.80	-20.75	-13.00	V
6676.00	-61.26	1.80	12.40	-52.81	-13.00	H
9971.50	-58.29	2.20	11.20	-51.44	-13.00	H
11949.50	-56.11	2.60	11.00	-49.86	-13.00	H
14825.00	-55.45	2.50	11.20	-48.90	-13.00	H
17938.00	-53.35	3.20	12.80	-45.90	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 13, 5MHz, QPSK, Channel 23205

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1560.51	-56.84	0.70	8.10	-51.59	-40.00	H
8654.50	-60.60	2.00	12.00	-52.75	-13.00	H
9328.00	-55.94	2.00	11.60	-48.49	-13.00	H
11948.50	-56.28	2.60	11.00	-50.03	-13.00	H
14335.50	-56.12	2.60	11.90	-48.97	-13.00	V
17796.50	-52.72	3.60	12.80	-45.67	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23230

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1559.80	-56.30	0.70	8.10	-51.05	-40.00	V
7975.50	-60.14	1.90	11.30	-52.89	-13.00	V
9358.50	-58.60	2.00	11.60	-51.15	-13.00	H
12189.00	-57.89	2.60	12.60	-50.04	-13.00	H
14996.00	-53.98	2.40	11.20	-47.33	-13.00	H
17868.50	-51.97	3.60	12.80	-44.92	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23255

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1564.57	-56.02	0.70	8.10	-50.77	-40.00	V
8196.50	-59.55	2.20	11.30	-52.60	-13.00	V
10489.50	-58.55	2.30	11.30	-51.70	-13.00	V
12127.50	-57.67	2.70	12.60	-49.92	-13.00	H
14772.00	-55.39	2.50	11.20	-48.84	-13.00	H
17911.00	-52.59	3.60	12.80	-45.54	-13.00	V

LTE Band 13, 5MHz, 16QAM, Channel 23205

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1605.20	-57.77	0.70	8.10	-52.52	-40.00	H
8718.00	-60.97	2.00	12.00	-53.12	-13.00	H
9964.00	-58.15	2.20	11.20	-51.30	-13.00	H
12493.00	-58.12	2.60	12.60	-50.27	-13.00	H
14281.50	-55.78	2.60	11.90	-48.63	-13.00	V
17875.50	-52.56	3.60	12.80	-45.51	-13.00	H

LTE Band 13, 5MHz, 16QAM, Channel 23230

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1559.80	-58.05	0.70	8.10	-52.80	-40.00	V
8510.00	-60.68	2.10	12.00	-52.93	-13.00	V
10452.00	-58.26	2.30	11.30	-51.41	-13.00	H
11852.00	-56.39	2.50	11.00	-50.04	-13.00	H
14409.00	-56.10	2.60	11.90	-48.95	-13.00	H
17912.50	-52.83	3.60	12.80	-45.78	-13.00	H

LTE Band 13, 5MHz, 16QAM, Channel 23255

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1564.93	-57.33	0.70	8.10	-52.08	-40.00	V
8713.50	-60.70	2.00	12.00	-52.85	-13.00	V
9970.50	-57.90	2.20	11.20	-51.05	-13.00	V
11975.00	-55.63	2.60	11.00	-49.38	-13.00	H
14370.50	-55.69	2.60	11.90	-48.54	-13.00	H
17837.00	-52.75	3.60	12.80	-45.70	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 25, 1.4MHz, QPSK, Channel 26047

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2958.13	-46.50	1.00	10.70	-36.80	-13.00	V
3700.50	-52.11	1.20	12.20	-41.11	-13.00	H
7401.00	-51.96	1.90	12.00	-41.86	-13.00	V
9251.00	-50.52	2.10	11.60	-41.02	-13.00	V
11101.50	-52.53	2.30	10.50	-44.33	-13.00	V
17781.50	-52.75	3.60	12.80	-43.55	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26365

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2982.93	-46.53	1.00	10.70	-36.83	-13.00	V
5646.00	-57.78	1.30	13.10	-45.98	-13.00	V
7528.00	-52.89	1.90	11.30	-43.49	-13.00	V
9410.50	-47.70	2.10	11.60	-38.20	-13.00	V
11292.50	-53.32	2.60	10.50	-45.42	-13.00	V
17808.00	-52.62	3.60	12.80	-43.42	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26683

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2959.47	-46.62	1.00	10.70	-36.92	-13.00	V
5741.50	-52.96	1.50	13.10	-41.36	-13.00	V
7655.00	-45.76	1.80	11.30	-36.26	-13.00	V
9569.50	-48.92	2.10	11.20	-39.82	-13.00	V
11483.00	-49.75	2.60	10.50	-41.85	-13.00	V
15311.00	-52.92	2.70	12.40	-43.22	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26047

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2972.00	-46.15	1.00	10.70	-36.45	-13.00	V
3700.00	-53.60	1.20	12.20	-42.60	-13.00	H
7401.00	-51.98	1.90	12.00	-41.88	-13.00	V
9251.00	-50.11	2.10	11.60	-40.61	-13.00	V
11102.00	-53.31	2.30	10.50	-45.11	-13.00	V
17823.50	-52.48	3.60	12.80	-43.28	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26365

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2943.73	-45.81	1.00	10.70	-36.11	-13.00	H
7528.50	-51.52	1.90	11.30	-42.12	-13.00	H
9410.00	-48.19	2.10	11.60	-38.69	-13.00	V
11292.50	-53.29	2.60	10.50	-45.39	-13.00	V
15040.50	-56.32	2.40	12.40	-46.32	-13.00	H
17827.50	-52.82	3.60	12.80	-43.62	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26683

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2996.53	-46.17	1.00	10.70	-36.47	-13.00	H
5741.50	-53.11	1.50	13.10	-41.51	-13.00	V
7655.50	-45.74	1.80	11.30	-36.24	-13.00	V
9569.50	-48.43	2.10	11.20	-39.33	-13.00	V
11483.50	-51.25	2.60	10.50	-43.35	-13.00	V
15311.00	-52.72	2.70	12.40	-43.02	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1645.60	-38.46	0.80	8.10	-33.31	-13.00	H
8672.00	-60.38	2.00	12.00	-52.53	-13.00	V
9874.00	-56.52	2.20	11.20	-49.67	-13.00	V
11984.00	-56.16	2.60	11.00	-49.91	-13.00	V
14287.50	-55.77	2.60	11.90	-48.62	-13.00	V
17753.50	-53.14	3.60	12.80	-46.09	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1637.17	-35.87	0.80	8.10	-30.72	-13.00	H
4092.50	-59.67	1.30	12.40	-50.72	-13.00	V
9004.00	-57.50	2.00	11.60	-50.05	-13.00	V
9823.00	-55.40	2.30	11.20	-48.65	-13.00	V
14748.00	-54.66	2.50	11.20	-48.11	-13.00	V
17821.00	-52.55	3.60	12.80	-45.50	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1628.73	-35.34	0.80	8.10	-30.19	-13.00	H
4092.50	-60.84	1.30	12.40	-51.89	-13.00	H
9004.00	-56.87	2.00	11.60	-49.42	-13.00	H
11909.00	-56.34	2.50	11.00	-49.99	-13.00	V
14291.50	-55.56	2.60	11.90	-48.41	-13.00	V
17868.50	-53.25	3.60	12.80	-46.20	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1645.97	-36.88	0.80	8.10	-31.73	-13.00	H
7446.50	-60.88	1.90	12.00	-52.93	-13.00	H
10024.50	-58.39	2.20	11.30	-51.44	-13.00	H
11950.00	-55.96	2.60	11.00	-49.71	-13.00	V
13487.00	-57.60	2.50	13.30	-48.95	-13.00	V
17872.50	-52.66	3.60	12.80	-45.61	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1637.17	-34.06	0.80	8.10	-28.91	-13.00	H
4092.50	-59.67	1.30	12.40	-50.72	-13.00	H
9004.00	-57.50	2.00	11.60	-50.05	-13.00	H
9823.00	-55.40	2.30	11.20	-48.65	-13.00	V
14748.00	-54.66	2.50	11.20	-48.11	-13.00	V
17821.00	-52.55	3.60	12.80	-45.50	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1628.73	-34.10	0.80	8.10	-28.95	-13.00	H
4071.00	-61.94	1.30	12.40	-52.99	-13.00	H
9771.00	-55.23	2.30	11.20	-48.48	-13.00	H
12069.00	-57.80	2.70	12.60	-50.05	-13.00	H
15029.50	-56.10	2.40	12.40	-48.25	-13.00	H
17812.50	-52.52	3.60	12.80	-45.47	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 4.92dB(30MHz-3GHz)/4.88dB(3GHz-18GHz)/5.66dB(18GHz-40GHz), k = 2

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2543.47	-39.35	0.90	10.70	-31.70	-13.00	H
9326.50	-55.82	2.00	11.60	-48.37	-13.00	H
10174.50	-52.67	2.20	11.30	-45.72	-13.00	V
11857.00	-56.41	2.50	11.00	-50.06	-13.00	V
14338.00	-55.88	2.60	11.90	-48.73	-13.00	V
17876.50	-53.37	3.60	12.80	-46.32	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2508.00	-36.36	0.90	10.70	-28.71	-13.00	H
8360.50	-59.92	1.80	11.30	-52.57	-13.00	H
9197.00	-54.53	2.10	11.60	-47.18	-13.00	V
12006.00	-57.67	2.60	12.60	-49.82	-13.00	V
14729.50	-55.46	2.50	11.20	-48.91	-13.00	V
17810.00	-52.58	3.60	12.80	-45.53	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2472.53	-36.55	0.90	9.80	-29.80	-13.00	H
8388.00	-59.89	1.80	11.30	-52.54	-13.00	H
9891.00	-56.25	2.20	11.20	-49.40	-13.00	H
12042.50	-58.07	2.70	12.60	-50.32	-13.00	H
15034.50	-56.82	2.40	12.40	-48.97	-13.00	V
17819.50	-52.51	3.60	12.80	-45.46	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2543.47	-38.67	0.90	10.70	-31.02	-13.00	H
9326.50	-56.79	2.00	11.60	-49.34	-13.00	H
10174.00	-53.71	2.20	11.30	-46.76	-13.00	H
12305.50	-57.98	2.60	12.60	-50.13	-13.00	V
15031.00	-56.80	2.40	12.40	-48.95	-13.00	V
17820.50	-52.21	3.60	12.80	-45.16	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2508.27	-35.34	0.90	10.70	-27.69	-13.00	H
8360.00	-59.22	1.80	11.30	-51.87	-13.00	H
9197.00	-56.48	2.10	11.60	-49.13	-13.00	H
12294.00	-57.88	2.60	12.60	-50.03	-13.00	H
14372.50	-56.02	2.60	11.90	-48.87	-13.00	H
17785.50	-52.74	3.60	12.80	-45.69	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2472.80	-36.47	0.90	9.80	-29.72	-13.00	H
8306.50	-60.04	1.90	11.30	-52.79	-13.00	H
9891.50	-57.97	2.20	11.20	-51.12	-13.00	H
12066.50	-56.50	2.70	12.60	-48.75	-13.00	H
14850.50	-55.37	2.70	11.20	-49.02	-13.00	V
17304.50	-54.86	3.20	14.50	-45.71	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

LTE Band 41, 5MHz, QPSK, Channel 39675

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2992.27	-46.28	1.00	10.70	-36.58	-25.00	V
7489.00	-59.87	1.90	12.00	-49.77	-25.00	H
9985.50	-45.08	2.20	11.20	-36.08	-25.00	V
12007.00	-57.78	2.60	12.60	-47.78	-25.00	V
15030.00	-55.96	2.40	12.40	-45.96	-25.00	H
17823.50	-53.24	3.60	12.80	-44.04	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40620

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2845.87	-46.24	1.00	10.70	-36.54	-25.00	V
7772.50	-57.03	1.80	11.30	-47.53	-25.00	V
10363.50	-46.95	2.10	11.30	-37.75	-25.00	V
11995.50	-56.05	2.60	11.00	-47.65	-25.00	V
14829.50	-55.49	2.70	11.20	-46.99	-25.00	H
17895.50	-53.20	3.60	12.80	-44.00	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41565

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2973.07	-46.53	1.00	10.70	-36.83	-25.00	V
8056.00	-52.51	2.00	11.30	-43.21	-25.00	V
10490.00	-58.22	2.30	11.30	-49.22	-25.00	H
10741.50	-38.94	2.40	10.80	-30.54	-25.00	V
15037.50	-56.89	2.40	12.40	-46.89	-25.00	H
17803.50	-52.95	3.60	12.80	-43.75	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 39675

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2963.20	-46.18	1.00	10.70	-36.48	-25.00	V
7488.50	-59.75	1.90	12.00	-49.65	-25.00	V
9985.50	-44.33	2.20	11.20	-35.33	-25.00	V
11913.50	-56.61	2.60	11.00	-48.21	-25.00	V
14247.00	-55.59	2.50	11.90	-46.19	-25.00	H
17909.00	-53.03	3.60	12.80	-43.83	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40620

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2956.53	-45.91	1.00	10.70	-36.21	-25.00	V
7772.50	-59.36	1.80	11.30	-49.86	-25.00	H
10363.50	-49.15	2.10	11.30	-39.95	-25.00	H
12220.00	-57.89	2.60	12.60	-47.89	-25.00	H
14689.00	-55.51	2.50	11.20	-46.81	-25.00	H
17917.50	-53.88	3.20	12.80	-44.28	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41565

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.93	-46.22	1.00	10.70	-36.52	-25.00	H
8056.00	-54.58	2.00	11.30	-45.28	-25.00	H
9938.00	-57.47	2.20	11.20	-48.47	-25.00	V
10741.50	-39.25	2.40	10.80	-30.85	-25.00	V
15039.50	-56.86	2.40	12.40	-46.86	-25.00	H
17832.50	-53.00	3.60	12.80	-43.80	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

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