



RF TEST REPORT

Applicant Positioning Universal Inc
FCC ID 2AHRH-FT750
Product In-cab advanced telematics tracker
Model FT750-L43Q-GL
Report No. R2010A0681-R3V1
Issue Date April 2, 2021

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2019)/ FCC CFR 47 Part 24E (2019)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	January 18, 2021
Rev.1	Update description	April 2, 2021
Note: This revised report (Report No. R2010A0681-R3V1) supersedes and replaces the previously issued report (Report No. R2010A0681-R3). Please discard or destroy the previously issued report and dispose of it accordingly.		



Summary of measurement results

No.	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	PASS
2	Radiates Spurious Emission	2.1053 / 24.238(a)	PASS
Date of Testing: October 15, 2020 ~ November 2, 2020			
Date of Sample Received: October 13, 2020			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

This report only tests Radiates Spurious Emission and recalculates Effective Radiated Power. The test value of the conduction part is referred to the module report. (Report No. HR/2019/1001601)

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
Post code: 201201
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Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com

2. General Description of Equipment under Test

2.3. Applicant and Manufacturer Information

Applicant	Positioning Universal Inc
Applicant address	4660 La Jolla Village Drive Suite 1100, San Diego, California, United States
Manufacturer	Positioning Universal Inc
Manufacturer address	4660 La Jolla Village Drive Suite 1100, San Diego, California, United States

2.4. General information

EUT Description			
Model	FT750-L43Q-GL		
IMEI	0159370000000030		
Hardware Version	P0		
Software Version	2.4.17		
Power Supply	External Power Supply		
Antenna Type	Internal Antenna/ External Antenna		
Antenna Gain	Internal Antenna: 1dBi External Antenna: 2dBi		
Test Mode(s)	GSM1900; WCDMA Band II; LTE Band 2/25;		
Test Modulation	(GSM/GPRS)GMSK, (EGPRS) GMSK/ 8PSK; (WCDMA) BPSK, QPSK,16QAM; (LTE)QPSK,16QAM		
Maximum E.I.R.P	GSM 1900:	31.66dBm	
	WCDMA Band II:	25.88dBm	
	LTE Band 2:	26.64dBm	
	LTE Band 25:	26.55dBm	
Rated Power Supply Voltage	12V		
Extreme Voltage	Minimum: 6V Maximum: 48V		
Extreme Temperature	Lowest: -30°C Highest: +50°C		
Operating Voltage	Minimum: 6V Maximum: 48V		
Operating Temperature	Lowest: -40°C Highest: +85°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM1900	1850 ~ 1910	1930 ~ 1990
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 25	1850 ~ 1915	1930 ~ 1995
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.			

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR 47 Part 24E (2019)

ANSI C63.26 (2015)

Reference standard:

FCC CFR47 Part 2 (2019)

KDB 971168 D01 Power Meas License Digital Systems v03r01

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (Z axis, horizontal polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in GSM/WCDMA/LTE is set based on the maximum RF Output Power.

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

Test items	Modes/Modulation	
	GSM 1900	WCDMA Band II
RF Power Output and Effective Isotropic Radiated Power	GSM GPRS EGPRS	RMC HSDPA/HSUPA DC-HSDPA/HSPA+
Radiates Spurious Emission	GSM	RMC

Test modes are chosen to be reported as the worst case configuration below for LTE Band 2/25:

Test items	Bandwidth (MHz)						Modulation		RB			Test Channel		
	1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Radiates Spurious Emission	O	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.													

5. Test Case Results

5.1.RF Power Output and Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

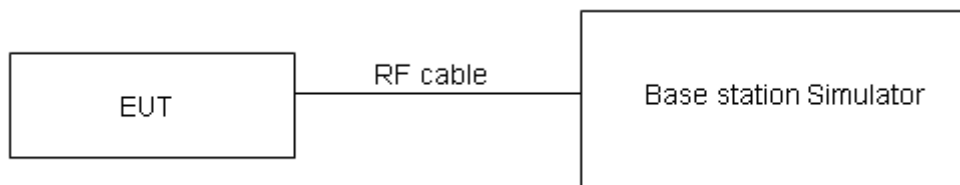
ERP can then be calculated as follows:

$$\text{EIRP (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBi)}$$

where:dBd refers to gain relative to an ideal dipole.

$$\text{EIRP (dBm)} = \text{ERP (dBm)} + 2.15 \text{ (dB.)}$$

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 24.232(c) Mobile and portable stations are limited to 2 watts EIRP.

Rule Part 24.232(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Limit	$\leq 2 \text{ W}$ (33 dBm)
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4 \text{ dB}$ for RF power output, $k = 2$, $U = 1.19 \text{ dB}$ for EIRP.

Test Results

GSM 1900		Maximum Output Power (dBm)			EIRP (dBm) Internal Antenna			EIRP (dBm) External Antenna		
		Channel 512	Channel 661	Channel 810	Channel 512	Channel 661	Channel 810	Channel 512	Channel 661	Channel 810
		1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)
GSM(GMSK)	Results	29.66	29.41	29.18	30.66	30.41	30.18	31.66	31.41	31.18
EGPRS(8PSK)	1TXslot	26.20	25.92	25.67	27.20	26.92	26.67	28.20	27.92	27.67

WCDMA Band II		Maximum Output Power (dBm)			EIRP (dBm) Internal Antenna			EIRP (dBm) External Antenna		
		Channel 9262	Channel 9400	Channel 9538	Channel 9262	Channel 9400	Channel 9538	Channel 9262	Channel 9400	Channel 9538
		1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)
RMC	12.2k	23.88	23.79	23.76	24.88	24.79	24.76	25.88	25.79	25.76



Band	Bandwidth	Modulation	Channel	RB Configuration	Maximum Output Power(dBm)	EIRP (dBm) Internal Antenna	EIRP (dBm) External Antenna	Verdict
LTE Band 2	1.4M	QPSK	18607	1RB#0	23.08	24.08	25.08	PASS
LTE Band 2	1.4M	QPSK	18607	1RB#2	22.82	23.82	24.82	PASS
LTE Band 2	1.4M	QPSK	18607	1RB#5	22.97	23.97	24.97	PASS
LTE Band 2	1.4M	QPSK	18607	3RB#0	23.12	24.12	25.12	PASS
LTE Band 2	1.4M	QPSK	18607	3RB#2	23.26	24.26	25.26	PASS
LTE Band 2	1.4M	QPSK	18607	3RB#3	23.07	24.07	25.07	PASS
LTE Band 2	1.4M	QPSK	18607	6RB#0	22.10	23.10	24.10	PASS
LTE Band 2	1.4M	QPSK	18900	1RB#0	22.97	23.97	24.97	PASS
LTE Band 2	1.4M	QPSK	18900	1RB#2	23.26	24.26	25.26	PASS
LTE Band 2	1.4M	QPSK	18900	1RB#5	22.97	23.97	24.97	PASS
LTE Band 2	1.4M	QPSK	18900	3RB#0	23.17	24.17	25.17	PASS
LTE Band 2	1.4M	QPSK	18900	3RB#2	23.29	24.29	25.29	PASS
LTE Band 2	1.4M	QPSK	18900	3RB#3	23.41	24.41	25.41	PASS
LTE Band 2	1.4M	QPSK	18900	6RB#0	22.27	23.27	24.27	PASS
LTE Band 2	1.4M	QPSK	19193	1RB#0	22.95	23.95	24.95	PASS
LTE Band 2	1.4M	QPSK	19193	1RB#2	22.89	23.89	24.89	PASS
LTE Band 2	1.4M	QPSK	19193	1RB#5	23.02	24.02	25.02	PASS
LTE Band 2	1.4M	QPSK	19193	3RB#0	23.22	24.22	25.22	PASS
LTE Band 2	1.4M	QPSK	19193	3RB#2	23.37	24.37	25.37	PASS
LTE Band 2	1.4M	QPSK	19193	3RB#3	23.25	24.25	25.25	PASS
LTE Band 2	1.4M	QPSK	19193	6RB#0	22.35	23.35	24.35	PASS
LTE Band 2	1.4M	16QAM	18607	1RB#0	21.90	22.90	23.90	PASS
LTE Band 2	1.4M	16QAM	18607	1RB#2	21.90	22.90	23.90	PASS
LTE Band 2	1.4M	16QAM	18607	1RB#5	21.85	22.85	23.85	PASS
LTE Band 2	1.4M	16QAM	18607	3RB#0	22.35	23.35	24.35	PASS
LTE Band 2	1.4M	16QAM	18607	3RB#2	22.22	23.22	24.22	PASS
LTE Band 2	1.4M	16QAM	18607	3RB#3	22.26	23.26	24.26	PASS
LTE Band 2	1.4M	16QAM	18607	6RB#0	20.96	21.96	22.96	PASS
LTE Band 2	1.4M	16QAM	18900	1RB#0	21.82	22.82	23.82	PASS
LTE Band 2	1.4M	16QAM	18900	1RB#2	21.93	22.93	23.93	PASS
LTE Band 2	1.4M	16QAM	18900	1RB#5	21.85	22.85	23.85	PASS
LTE Band 2	1.4M	16QAM	18900	3RB#0	22.34	23.34	24.34	PASS
LTE Band 2	1.4M	16QAM	18900	3RB#2	22.47	23.47	24.47	PASS
LTE Band 2	1.4M	16QAM	18900	3RB#3	22.39	23.39	24.39	PASS
LTE Band 2	1.4M	16QAM	18900	6RB#0	21.30	22.30	23.30	PASS
LTE Band 2	1.4M	16QAM	19193	1RB#0	21.81	22.81	23.81	PASS
LTE Band 2	1.4M	16QAM	19193	1RB#2	22.05	23.05	24.05	PASS
LTE Band 2	1.4M	16QAM	19193	1RB#5	21.88	22.88	23.88	PASS



LTE Band 2	1.4M	16QAM	19193	3RB#0	22.36	23.36	24.36	PASS
LTE Band 2	1.4M	16QAM	19193	3RB#2	22.41	23.41	24.41	PASS
LTE Band 2	1.4M	16QAM	19193	3RB#3	22.38	23.38	24.38	PASS
LTE Band 2	1.4M	16QAM	19193	6RB#0	21.14	22.14	23.14	PASS
LTE Band 2	3M	QPSK	18615	1RB#0	22.98	23.98	24.98	PASS
LTE Band 2	3M	QPSK	18615	1RB#7	23.17	24.17	25.17	PASS
LTE Band 2	3M	QPSK	18615	1RB#14	22.98	23.98	24.98	PASS
LTE Band 2	3M	QPSK	18615	8RB#0	22.09	23.09	24.09	PASS
LTE Band 2	3M	QPSK	18615	8RB#4	22.10	23.10	24.10	PASS
LTE Band 2	3M	QPSK	18615	8RB#7	22.00	23.00	24.00	PASS
LTE Band 2	3M	QPSK	18615	15RB#0	21.97	22.97	23.97	PASS
LTE Band 2	3M	QPSK	18900	1RB#0	22.78	23.78	24.78	PASS
LTE Band 2	3M	QPSK	18900	1RB#7	23.16	24.16	25.16	PASS
LTE Band 2	3M	QPSK	18900	1RB#14	23.04	24.04	25.04	PASS
LTE Band 2	3M	QPSK	18900	8RB#0	22.12	23.12	24.12	PASS
LTE Band 2	3M	QPSK	18900	8RB#4	22.18	23.18	24.18	PASS
LTE Band 2	3M	QPSK	18900	8RB#7	22.17	23.17	24.17	PASS
LTE Band 2	3M	QPSK	18900	15RB#0	22.14	23.14	24.14	PASS
LTE Band 2	3M	QPSK	19185	1RB#0	23.05	24.05	25.05	PASS
LTE Band 2	3M	QPSK	19185	1RB#7	23.31	24.31	25.31	PASS
LTE Band 2	3M	QPSK	19185	1RB#14	23.02	24.02	25.02	PASS
LTE Band 2	3M	QPSK	19185	8RB#0	22.18	23.18	24.18	PASS
LTE Band 2	3M	QPSK	19185	8RB#4	22.32	23.32	24.32	PASS
LTE Band 2	3M	QPSK	19185	8RB#7	22.27	23.27	24.27	PASS
LTE Band 2	3M	QPSK	19185	15RB#0	22.23	23.23	24.23	PASS
LTE Band 2	3M	16QAM	18615	1RB#0	21.74	22.74	23.74	PASS
LTE Band 2	3M	16QAM	18615	1RB#7	21.92	22.92	23.92	PASS
LTE Band 2	3M	16QAM	18615	1RB#14	21.83	22.83	23.83	PASS
LTE Band 2	3M	16QAM	18615	8RB#0	21.03	22.03	23.03	PASS
LTE Band 2	3M	16QAM	18615	8RB#4	20.84	21.84	22.84	PASS
LTE Band 2	3M	16QAM	18615	8RB#7	21.12	22.12	23.12	PASS
LTE Band 2	3M	16QAM	18615	15RB#0	21.12	22.12	23.12	PASS
LTE Band 2	3M	16QAM	18900	1RB#0	21.43	22.43	23.43	PASS
LTE Band 2	3M	16QAM	18900	1RB#7	21.72	22.72	23.72	PASS
LTE Band 2	3M	16QAM	18900	1RB#14	21.75	22.75	23.75	PASS
LTE Band 2	3M	16QAM	18900	8RB#0	21.15	22.15	23.15	PASS
LTE Band 2	3M	16QAM	18900	8RB#4	21.11	22.11	23.11	PASS
LTE Band 2	3M	16QAM	18900	8RB#7	21.22	22.22	23.22	PASS
LTE Band 2	3M	16QAM	18900	15RB#0	21.21	22.21	23.21	PASS
LTE Band 2	3M	16QAM	19185	1RB#0	21.84	22.84	23.84	PASS
LTE Band 2	3M	16QAM	19185	1RB#7	21.87	22.87	23.87	PASS
LTE Band 2	3M	16QAM	19185	1RB#14	21.87	22.87	23.87	PASS
LTE Band 2	3M	16QAM	19185	8RB#0	21.08	22.08	23.08	PASS



LTE Band 2	3M	16QAM	19185	8RB#4	21.10	22.10	23.10	PASS
LTE Band 2	3M	16QAM	19185	8RB#7	21.13	22.13	23.13	PASS
LTE Band 2	3M	16QAM	19185	15RB#0	21.29	22.29	23.29	PASS
LTE Band 2	5M	QPSK	18625	1RB#0	23.00	24.00	25.00	PASS
LTE Band 2	5M	QPSK	18625	1RB#13	23.13	24.13	25.13	PASS
LTE Band 2	5M	QPSK	18625	1RB#24	23.00	24.00	25.00	PASS
LTE Band 2	5M	QPSK	18625	12RB#0	22.09	23.09	24.09	PASS
LTE Band 2	5M	QPSK	18625	12RB#6	22.19	23.19	24.19	PASS
LTE Band 2	5M	QPSK	18625	12RB#13	22.20	23.20	24.20	PASS
LTE Band 2	5M	QPSK	18625	25RB#0	22.16	23.16	24.16	PASS
LTE Band 2	5M	QPSK	18900	1RB#0	22.91	23.91	24.91	PASS
LTE Band 2	5M	QPSK	18900	1RB#13	23.11	24.11	25.11	PASS
LTE Band 2	5M	QPSK	18900	1RB#24	22.86	23.86	24.86	PASS
LTE Band 2	5M	QPSK	18900	12RB#0	22.00	23.00	24.00	PASS
LTE Band 2	5M	QPSK	18900	12RB#6	22.23	23.23	24.23	PASS
LTE Band 2	5M	QPSK	18900	12RB#13	22.28	23.28	24.28	PASS
LTE Band 2	5M	QPSK	18900	25RB#0	22.11	23.11	24.11	PASS
LTE Band 2	5M	QPSK	19175	1RB#0	22.91	23.91	24.91	PASS
LTE Band 2	5M	QPSK	19175	1RB#13	23.20	24.20	25.20	PASS
LTE Band 2	5M	QPSK	19175	1RB#24	23.13	24.13	25.13	PASS
LTE Band 2	5M	QPSK	19175	12RB#0	22.08	23.08	24.08	PASS
LTE Band 2	5M	QPSK	19175	12RB#6	22.28	23.28	24.28	PASS
LTE Band 2	5M	QPSK	19175	12RB#13	22.29	23.29	24.29	PASS
LTE Band 2	5M	QPSK	19175	25RB#0	22.05	23.05	24.05	PASS
LTE Band 2	5M	16QAM	18625	1RB#0	21.59	22.59	23.59	PASS
LTE Band 2	5M	16QAM	18625	1RB#13	22.15	23.15	24.15	PASS
LTE Band 2	5M	16QAM	18625	1RB#24	21.84	22.84	23.84	PASS
LTE Band 2	5M	16QAM	18625	12RB#0	20.91	21.91	22.91	PASS
LTE Band 2	5M	16QAM	18625	12RB#6	21.00	22.00	23.00	PASS
LTE Band 2	5M	16QAM	18625	12RB#13	21.12	22.12	23.12	PASS
LTE Band 2	5M	16QAM	18625	25RB#0	21.31	22.31	23.31	PASS
LTE Band 2	5M	16QAM	18900	1RB#0	21.70	22.70	23.70	PASS
LTE Band 2	5M	16QAM	18900	1RB#13	22.29	23.29	24.29	PASS
LTE Band 2	5M	16QAM	18900	1RB#24	21.57	22.57	23.57	PASS
LTE Band 2	5M	16QAM	18900	12RB#0	21.10	22.10	23.10	PASS
LTE Band 2	5M	16QAM	18900	12RB#6	21.26	22.26	23.26	PASS
LTE Band 2	5M	16QAM	18900	12RB#13	20.97	21.97	22.97	PASS
LTE Band 2	5M	16QAM	18900	25RB#0	21.30	22.30	23.30	PASS
LTE Band 2	5M	16QAM	19175	1RB#0	21.74	22.74	23.74	PASS
LTE Band 2	5M	16QAM	19175	1RB#13	22.00	23.00	24.00	PASS
LTE Band 2	5M	16QAM	19175	1RB#24	21.81	22.81	23.81	PASS
LTE Band 2	5M	16QAM	19175	12RB#0	20.92	21.92	22.92	PASS
LTE Band 2	5M	16QAM	19175	12RB#6	21.02	22.02	23.02	PASS



LTE Band 2	5M	16QAM	19175	12RB#13	21.05	22.05	23.05	PASS
LTE Band 2	5M	16QAM	19175	25RB#0	21.22	22.22	23.22	PASS
LTE Band 2	10M	QPSK	18650	1RB#0	22.96	23.96	24.96	PASS
LTE Band 2	10M	QPSK	18650	1RB#25	23.78	24.78	25.78	PASS
LTE Band 2	10M	QPSK	18650	1RB#49	22.67	23.67	24.67	PASS
LTE Band 2	10M	QPSK	18650	25RB#0	22.39	23.39	24.39	PASS
LTE Band 2	10M	QPSK	18650	25RB#13	22.58	23.58	24.58	PASS
LTE Band 2	10M	QPSK	18650	25RB#25	22.07	23.07	24.07	PASS
LTE Band 2	10M	QPSK	18650	50RB#0	22.20	23.20	24.20	PASS
LTE Band 2	10M	QPSK	18900	1RB#0	23.03	24.03	25.03	PASS
LTE Band 2	10M	QPSK	18900	1RB#25	23.75	24.75	25.75	PASS
LTE Band 2	10M	QPSK	18900	1RB#49	22.79	23.79	24.79	PASS
LTE Band 2	10M	QPSK	18900	25RB#0	22.09	23.09	24.09	PASS
LTE Band 2	10M	QPSK	18900	25RB#13	22.31	23.31	24.31	PASS
LTE Band 2	10M	QPSK	18900	25RB#25	22.19	23.19	24.19	PASS
LTE Band 2	10M	QPSK	18900	50RB#0	21.98	22.98	23.98	PASS
LTE Band 2	10M	QPSK	19150	1RB#0	22.98	23.98	24.98	PASS
LTE Band 2	10M	QPSK	19150	1RB#25	23.50	24.50	25.50	PASS
LTE Band 2	10M	QPSK	19150	1RB#49	22.95	23.95	24.95	PASS
LTE Band 2	10M	QPSK	19150	25RB#0	22.19	23.19	24.19	PASS
LTE Band 2	10M	QPSK	19150	25RB#13	22.29	23.29	24.29	PASS
LTE Band 2	10M	QPSK	19150	25RB#25	22.19	23.19	24.19	PASS
LTE Band 2	10M	QPSK	19150	50RB#0	22.14	23.14	24.14	PASS
LTE Band 2	10M	16QAM	18650	1RB#0	21.88	22.88	23.88	PASS
LTE Band 2	10M	16QAM	18650	1RB#25	21.84	22.84	23.84	PASS
LTE Band 2	10M	16QAM	18650	1RB#49	21.85	22.85	23.85	PASS
LTE Band 2	10M	16QAM	18650	25RB#0	21.35	22.35	23.35	PASS
LTE Band 2	10M	16QAM	18650	25RB#13	21.36	22.36	23.36	PASS
LTE Band 2	10M	16QAM	18650	25RB#25	21.33	22.33	23.33	PASS
LTE Band 2	10M	16QAM	18650	50RB#0	21.17	22.17	23.17	PASS
LTE Band 2	10M	16QAM	18900	1RB#0	22.03	23.03	24.03	PASS
LTE Band 2	10M	16QAM	18900	1RB#25	21.87	22.87	23.87	PASS
LTE Band 2	10M	16QAM	18900	1RB#49	21.78	22.78	23.78	PASS
LTE Band 2	10M	16QAM	18900	25RB#0	21.12	22.12	23.12	PASS
LTE Band 2	10M	16QAM	18900	25RB#13	21.30	22.30	23.30	PASS
LTE Band 2	10M	16QAM	18900	25RB#25	21.21	22.21	23.21	PASS
LTE Band 2	10M	16QAM	18900	50RB#0	21.14	22.14	23.14	PASS
LTE Band 2	10M	16QAM	19150	1RB#0	21.79	22.79	23.79	PASS
LTE Band 2	10M	16QAM	19150	1RB#25	21.72	22.72	23.72	PASS
LTE Band 2	10M	16QAM	19150	1RB#49	21.76	22.76	23.76	PASS
LTE Band 2	10M	16QAM	19150	25RB#0	21.18	22.18	23.18	PASS
LTE Band 2	10M	16QAM	19150	25RB#13	21.28	22.28	23.28	PASS
LTE Band 2	10M	16QAM	19150	25RB#25	21.22	22.22	23.22	PASS



LTE Band 2	10M	16QAM	19150	50RB#0	21.24	22.24	23.24	PASS
LTE Band 2	15M	QPSK	18675	1RB#0	22.92	23.92	24.92	PASS
LTE Band 2	15M	QPSK	18675	1RB#38	23.44	24.44	25.44	PASS
LTE Band 2	15M	QPSK	18675	1RB#74	22.20	23.20	24.20	PASS
LTE Band 2	15M	QPSK	18675	36RB#0	22.39	23.39	24.39	PASS
LTE Band 2	15M	QPSK	18675	36RB#18	22.31	23.31	24.31	PASS
LTE Band 2	15M	QPSK	18675	36RB#39	21.92	22.92	23.92	PASS
LTE Band 2	15M	QPSK	18675	75RB#0	22.17	23.17	24.17	PASS
LTE Band 2	15M	QPSK	18900	1RB#0	22.95	23.95	24.95	PASS
LTE Band 2	15M	QPSK	18900	1RB#38	23.49	24.49	25.49	PASS
LTE Band 2	15M	QPSK	18900	1RB#74	22.60	23.60	24.60	PASS
LTE Band 2	15M	QPSK	18900	36RB#0	22.13	23.13	24.13	PASS
LTE Band 2	15M	QPSK	18900	36RB#18	22.33	23.33	24.33	PASS
LTE Band 2	15M	QPSK	18900	36RB#39	22.15	23.15	24.15	PASS
LTE Band 2	15M	QPSK	18900	75RB#0	22.02	23.02	24.02	PASS
LTE Band 2	15M	QPSK	19125	1RB#0	22.79	23.79	24.79	PASS
LTE Band 2	15M	QPSK	19125	1RB#38	23.19	24.19	25.19	PASS
LTE Band 2	15M	QPSK	19125	1RB#74	22.92	23.92	24.92	PASS
LTE Band 2	15M	QPSK	19125	36RB#0	22.23	23.23	24.23	PASS
LTE Band 2	15M	QPSK	19125	36RB#18	22.12	23.12	24.12	PASS
LTE Band 2	15M	QPSK	19125	36RB#39	21.98	22.98	23.98	PASS
LTE Band 2	15M	QPSK	19125	75RB#0	22.27	23.27	24.27	PASS
LTE Band 2	15M	16QAM	18675	1RB#0	21.72	22.72	23.72	PASS
LTE Band 2	15M	16QAM	18675	1RB#38	21.69	22.69	23.69	PASS
LTE Band 2	15M	16QAM	18675	1RB#74	21.90	22.90	23.90	PASS
LTE Band 2	15M	16QAM	18675	36RB#0	21.23	22.23	23.23	PASS
LTE Band 2	15M	16QAM	18675	36RB#18	21.29	22.29	23.29	PASS
LTE Band 2	15M	16QAM	18675	36RB#39	21.12	22.12	23.12	PASS
LTE Band 2	15M	16QAM	18675	75RB#0	21.15	22.15	23.15	PASS
LTE Band 2	15M	16QAM	18900	1RB#0	21.90	22.90	23.90	PASS
LTE Band 2	15M	16QAM	18900	1RB#38	21.50	22.50	23.50	PASS
LTE Band 2	15M	16QAM	18900	1RB#74	21.58	22.58	23.58	PASS
LTE Band 2	15M	16QAM	18900	36RB#0	21.07	22.07	23.07	PASS
LTE Band 2	15M	16QAM	18900	36RB#18	21.09	22.09	23.09	PASS
LTE Band 2	15M	16QAM	18900	36RB#39	20.98	21.98	22.98	PASS
LTE Band 2	15M	16QAM	18900	75RB#0	21.25	22.25	23.25	PASS
LTE Band 2	15M	16QAM	19125	1RB#0	21.67	22.67	23.67	PASS
LTE Band 2	15M	16QAM	19125	1RB#38	21.83	22.83	23.83	PASS
LTE Band 2	15M	16QAM	19125	1RB#74	21.79	22.79	23.79	PASS
LTE Band 2	15M	16QAM	19125	36RB#0	21.11	22.11	23.11	PASS
LTE Band 2	15M	16QAM	19125	36RB#18	21.25	22.25	23.25	PASS
LTE Band 2	15M	16QAM	19125	36RB#39	21.18	22.18	23.18	PASS
LTE Band 2	15M	16QAM	19125	75RB#0	21.20	22.20	23.20	PASS



LTE Band 2	20M	QPSK	18700	1RB#0	23.00	24.00	25.00	PASS
LTE Band 2	20M	QPSK	18700	1RB#50	23.80	24.80	25.80	PASS
LTE Band 2	20M	QPSK	18700	1RB#99	22.72	23.72	24.72	PASS
LTE Band 2	20M	QPSK	18700	50RB#0	22.53	23.53	24.53	PASS
LTE Band 2	20M	QPSK	18700	50RB#25	22.32	23.32	24.32	PASS
LTE Band 2	20M	QPSK	18700	50RB#50	21.99	22.99	23.99	PASS
LTE Band 2	20M	QPSK	18700	100RB#0	22.19	23.19	24.19	PASS
LTE Band 2	20M	QPSK	18900	1RB#0	22.97	23.97	24.97	PASS
LTE Band 2	20M	QPSK	18900	1RB#50	24.64	25.64	26.64	PASS
LTE Band 2	20M	QPSK	18900	1RB#99	22.96	23.96	24.96	PASS
LTE Band 2	20M	QPSK	18900	50RB#0	22.17	23.17	24.17	PASS
LTE Band 2	20M	QPSK	18900	50RB#25	22.60	23.60	24.60	PASS
LTE Band 2	20M	QPSK	18900	50RB#50	22.25	23.25	24.25	PASS
LTE Band 2	20M	QPSK	18900	100RB#0	22.04	23.04	24.04	PASS
LTE Band 2	20M	QPSK	19100	1RB#0	22.94	23.94	24.94	PASS
LTE Band 2	20M	QPSK	19100	1RB#50	23.20	24.20	25.20	PASS
LTE Band 2	20M	QPSK	19100	1RB#99	22.65	23.65	24.65	PASS
LTE Band 2	20M	QPSK	19100	50RB#0	22.31	23.31	24.31	PASS
LTE Band 2	20M	QPSK	19100	50RB#25	22.09	23.09	24.09	PASS
LTE Band 2	20M	QPSK	19100	50RB#50	21.79	22.79	23.79	PASS
LTE Band 2	20M	QPSK	19100	100RB#0	22.26	23.26	24.26	PASS
LTE Band 2	20M	16QAM	18700	1RB#0	21.81	22.81	23.81	PASS
LTE Band 2	20M	16QAM	18700	1RB#50	21.74	22.74	23.74	PASS
LTE Band 2	20M	16QAM	18700	1RB#99	21.95	22.95	23.95	PASS
LTE Band 2	20M	16QAM	18700	50RB#0	21.26	22.26	23.26	PASS
LTE Band 2	20M	16QAM	18700	50RB#25	21.26	22.26	23.26	PASS
LTE Band 2	20M	16QAM	18700	50RB#50	21.18	22.18	23.18	PASS
LTE Band 2	20M	16QAM	18700	100RB#0	21.19	22.19	23.19	PASS
LTE Band 2	20M	16QAM	18900	1RB#0	21.88	22.88	23.88	PASS
LTE Band 2	20M	16QAM	18900	1RB#50	21.93	22.93	23.93	PASS
LTE Band 2	20M	16QAM	18900	1RB#99	21.85	22.85	23.85	PASS
LTE Band 2	20M	16QAM	18900	50RB#0	21.25	22.25	23.25	PASS
LTE Band 2	20M	16QAM	18900	50RB#25	21.22	22.22	23.22	PASS
LTE Band 2	20M	16QAM	18900	50RB#50	21.17	22.17	23.17	PASS
LTE Band 2	20M	16QAM	18900	100RB#0	21.09	22.09	23.09	PASS
LTE Band 2	20M	16QAM	19100	1RB#0	21.84	22.84	23.84	PASS
LTE Band 2	20M	16QAM	19100	1RB#50	21.89	22.89	23.89	PASS
LTE Band 2	20M	16QAM	19100	1RB#99	21.88	22.88	23.88	PASS
LTE Band 2	20M	16QAM	19100	50RB#0	21.28	22.28	23.28	PASS
LTE Band 2	20M	16QAM	19100	50RB#25	21.21	22.21	23.21	PASS
LTE Band 2	20M	16QAM	19100	50RB#50	21.23	22.23	23.23	PASS
LTE Band 2	20M	16QAM	19100	100RB#0	21.12	22.12	23.12	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Maximum Output Power(dBm)	EIRP (dBm) Internal Antenna	EIRP (dBm) External Antenna	Verdict
LTE Band 25	1.4M	QPSK	26047	1RB#0	22.98	23.98	24.98	PASS
LTE Band 25	1.4M	QPSK	26047	1RB#2	23.33	24.33	25.33	PASS
LTE Band 25	1.4M	QPSK	26047	1RB#5	23.09	24.09	25.09	PASS
LTE Band 25	1.4M	QPSK	26047	3RB#0	23.34	24.34	25.34	PASS
LTE Band 25	1.4M	QPSK	26047	3RB#2	23.46	24.46	25.46	PASS
LTE Band 25	1.4M	QPSK	26047	3RB#3	23.54	24.54	25.54	PASS
LTE Band 25	1.4M	QPSK	26047	6RB#0	22.48	23.48	24.48	PASS
LTE Band 25	1.4M	QPSK	26365	1RB#0	23.09	24.09	25.09	PASS
LTE Band 25	1.4M	QPSK	26365	1RB#2	23.45	24.45	25.45	PASS
LTE Band 25	1.4M	QPSK	26365	1RB#5	23.26	24.26	25.26	PASS
LTE Band 25	1.4M	QPSK	26365	3RB#0	23.47	24.47	25.47	PASS
LTE Band 25	1.4M	QPSK	26365	3RB#2	23.81	24.81	25.81	PASS
LTE Band 25	1.4M	QPSK	26365	3RB#3	23.58	24.58	25.58	PASS
LTE Band 25	1.4M	QPSK	26365	6RB#0	22.46	23.46	24.46	PASS
LTE Band 25	1.4M	QPSK	26683	1RB#0	23.06	24.06	25.06	PASS
LTE Band 25	1.4M	QPSK	26683	1RB#2	22.65	23.65	24.65	PASS
LTE Band 25	1.4M	QPSK	26683	1RB#5	22.00	23.00	24.00	PASS
LTE Band 25	1.4M	QPSK	26683	3RB#0	22.75	23.75	24.75	PASS
LTE Band 25	1.4M	QPSK	26683	3RB#2	22.56	23.56	24.56	PASS
LTE Band 25	1.4M	QPSK	26683	3RB#3	22.20	23.20	24.20	PASS
LTE Band 25	1.4M	QPSK	26683	6RB#0	22.37	23.37	24.37	PASS
LTE Band 25	1.4M	16QAM	26047	1RB#0	21.93	22.93	23.93	PASS
LTE Band 25	1.4M	16QAM	26047	1RB#2	22.16	23.16	24.16	PASS
LTE Band 25	1.4M	16QAM	26047	1RB#5	22.11	23.11	24.11	PASS
LTE Band 25	1.4M	16QAM	26047	3RB#0	22.53	23.53	24.53	PASS
LTE Band 25	1.4M	16QAM	26047	3RB#2	22.66	23.66	24.66	PASS
LTE Band 25	1.4M	16QAM	26047	3RB#3	22.77	23.77	24.77	PASS
LTE Band 25	1.4M	16QAM	26047	6RB#0	21.34	22.34	23.34	PASS
LTE Band 25	1.4M	16QAM	26365	1RB#0	21.95	22.95	23.95	PASS
LTE Band 25	1.4M	16QAM	26365	1RB#2	22.10	23.10	24.10	PASS
LTE Band 25	1.4M	16QAM	26365	1RB#5	22.06	23.06	24.06	PASS
LTE Band 25	1.4M	16QAM	26365	3RB#0	22.69	23.69	24.69	PASS
LTE Band 25	1.4M	16QAM	26365	3RB#2	22.67	23.67	24.67	PASS
LTE Band 25	1.4M	16QAM	26365	3RB#3	22.57	23.57	24.57	PASS
LTE Band 25	1.4M	16QAM	26365	6RB#0	21.51	22.51	23.51	PASS
LTE Band 25	1.4M	16QAM	26683	1RB#0	21.94	22.94	23.94	PASS
LTE Band 25	1.4M	16QAM	26683	1RB#2	21.98	22.98	23.98	PASS
LTE Band 25	1.4M	16QAM	26683	1RB#5	21.34	22.34	23.34	PASS



LTE Band 25	1.4M	16QAM	26683	3RB#0	21.97	22.97	23.97	PASS
LTE Band 25	1.4M	16QAM	26683	3RB#2	21.79	22.79	23.79	PASS
LTE Band 25	1.4M	16QAM	26683	3RB#3	21.90	22.90	23.90	PASS
LTE Band 25	1.4M	16QAM	26683	6RB#0	21.58	22.58	23.58	PASS
LTE Band 25	3M	QPSK	26055	1RB#0	23.43	24.43	25.43	PASS
LTE Band 25	3M	QPSK	26055	1RB#7	23.53	24.53	25.53	PASS
LTE Band 25	3M	QPSK	26055	1RB#14	23.42	24.42	25.42	PASS
LTE Band 25	3M	QPSK	26055	8RB#0	22.54	23.54	24.54	PASS
LTE Band 25	3M	QPSK	26055	8RB#4	22.57	23.57	24.57	PASS
LTE Band 25	3M	QPSK	26055	8RB#7	22.56	23.56	24.56	PASS
LTE Band 25	3M	QPSK	26055	15RB#0	22.60	23.60	24.60	PASS
LTE Band 25	3M	QPSK	26365	1RB#0	23.19	24.19	25.19	PASS
LTE Band 25	3M	QPSK	26365	1RB#7	23.66	24.66	25.66	PASS
LTE Band 25	3M	QPSK	26365	1RB#14	23.36	24.36	25.36	PASS
LTE Band 25	3M	QPSK	26365	8RB#0	22.62	23.62	24.62	PASS
LTE Band 25	3M	QPSK	26365	8RB#4	22.64	23.64	24.64	PASS
LTE Band 25	3M	QPSK	26365	8RB#7	22.61	23.61	24.61	PASS
LTE Band 25	3M	QPSK	26365	15RB#0	22.52	23.52	24.52	PASS
LTE Band 25	3M	QPSK	26675	1RB#0	23.60	24.60	25.60	PASS
LTE Band 25	3M	QPSK	26675	1RB#7	23.00	24.00	25.00	PASS
LTE Band 25	3M	QPSK	26675	1RB#14	21.78	22.78	23.78	PASS
LTE Band 25	3M	QPSK	26675	8RB#0	23.57	24.57	25.57	PASS
LTE Band 25	3M	QPSK	26675	8RB#4	22.25	23.25	24.25	PASS
LTE Band 25	3M	QPSK	26675	8RB#7	22.24	23.24	24.24	PASS
LTE Band 25	3M	QPSK	26675	15RB#0	22.94	23.94	24.94	PASS
LTE Band 25	3M	16QAM	26055	1RB#0	22.14	23.14	24.14	PASS
LTE Band 25	3M	16QAM	26055	1RB#7	22.21	23.21	24.21	PASS
LTE Band 25	3M	16QAM	26055	1RB#14	22.10	23.10	24.10	PASS
LTE Band 25	3M	16QAM	26055	8RB#0	21.26	22.26	23.26	PASS
LTE Band 25	3M	16QAM	26055	8RB#4	21.26	22.26	23.26	PASS
LTE Band 25	3M	16QAM	26055	8RB#7	21.37	22.37	23.37	PASS
LTE Band 25	3M	16QAM	26055	15RB#0	21.48	22.48	23.48	PASS
LTE Band 25	3M	16QAM	26365	1RB#0	22.14	23.14	24.14	PASS
LTE Band 25	3M	16QAM	26365	1RB#7	22.12	23.12	24.12	PASS
LTE Band 25	3M	16QAM	26365	1RB#14	22.25	23.25	24.25	PASS
LTE Band 25	3M	16QAM	26365	8RB#0	21.35	22.35	23.35	PASS
LTE Band 25	3M	16QAM	26365	8RB#4	21.38	22.38	23.38	PASS
LTE Band 25	3M	16QAM	26365	8RB#7	21.45	22.45	23.45	PASS
LTE Band 25	3M	16QAM	26365	15RB#0	21.57	22.57	23.57	PASS
LTE Band 25	3M	16QAM	26675	1RB#0	22.18	23.18	24.18	PASS
LTE Band 25	3M	16QAM	26675	1RB#7	22.08	23.08	24.08	PASS
LTE Band 25	3M	16QAM	26675	1RB#14	20.33	21.33	22.33	PASS
LTE Band 25	3M	16QAM	26675	8RB#0	21.35	22.35	23.35	PASS



LTE Band 25	3M	16QAM	26675	8RB#4	21.36	22.36	23.36	PASS
LTE Band 25	3M	16QAM	26675	8RB#7	21.35	22.35	23.35	PASS
LTE Band 25	3M	16QAM	26675	15RB#0	21.66	22.66	23.66	PASS
LTE Band 25	5M	QPSK	26065	1RB#0	23.35	24.35	25.35	PASS
LTE Band 25	5M	QPSK	26065	1RB#13	23.44	24.44	25.44	PASS
LTE Band 25	5M	QPSK	26065	1RB#24	23.54	24.54	25.54	PASS
LTE Band 25	5M	QPSK	26065	12RB#0	22.59	23.59	24.59	PASS
LTE Band 25	5M	QPSK	26065	12RB#6	22.55	23.55	24.55	PASS
LTE Band 25	5M	QPSK	26065	12RB#13	22.61	23.61	24.61	PASS
LTE Band 25	5M	QPSK	26065	25RB#0	22.58	23.58	24.58	PASS
LTE Band 25	5M	QPSK	26365	1RB#0	23.39	24.39	25.39	PASS
LTE Band 25	5M	QPSK	26365	1RB#13	23.50	24.50	25.50	PASS
LTE Band 25	5M	QPSK	26365	1RB#24	23.32	24.32	25.32	PASS
LTE Band 25	5M	QPSK	26365	12RB#0	22.58	23.58	24.58	PASS
LTE Band 25	5M	QPSK	26365	12RB#6	22.73	23.73	24.73	PASS
LTE Band 25	5M	QPSK	26365	12RB#13	22.49	23.49	24.49	PASS
LTE Band 25	5M	QPSK	26365	25RB#0	22.53	23.53	24.53	PASS
LTE Band 25	5M	QPSK	26665	1RB#0	23.47	24.47	25.47	PASS
LTE Band 25	5M	QPSK	26665	1RB#13	23.27	24.27	25.27	PASS
LTE Band 25	5M	QPSK	26665	1RB#24	21.73	22.73	23.73	PASS
LTE Band 25	5M	QPSK	26665	12RB#0	21.36	22.36	23.36	PASS
LTE Band 25	5M	QPSK	26665	12RB#6	22.41	23.41	24.41	PASS
LTE Band 25	5M	QPSK	26665	12RB#13	22.09	23.09	24.09	PASS
LTE Band 25	5M	QPSK	26665	25RB#0	22.55	23.55	24.55	PASS
LTE Band 25	5M	16QAM	26065	1RB#0	22.02	23.02	24.02	PASS
LTE Band 25	5M	16QAM	26065	1RB#13	22.63	23.63	24.63	PASS
LTE Band 25	5M	16QAM	26065	1RB#24	22.04	23.04	24.04	PASS
LTE Band 25	5M	16QAM	26065	12RB#0	21.28	22.28	23.28	PASS
LTE Band 25	5M	16QAM	26065	12RB#6	21.55	22.55	23.55	PASS
LTE Band 25	5M	16QAM	26065	12RB#13	21.53	22.53	23.53	PASS
LTE Band 25	5M	16QAM	26065	25RB#0	21.43	22.43	23.43	PASS
LTE Band 25	5M	16QAM	26365	1RB#0	21.75	22.75	23.75	PASS
LTE Band 25	5M	16QAM	26365	1RB#13	22.55	23.55	24.55	PASS
LTE Band 25	5M	16QAM	26365	1RB#24	22.10	23.10	24.10	PASS
LTE Band 25	5M	16QAM	26365	12RB#0	21.37	22.37	23.37	PASS
LTE Band 25	5M	16QAM	26365	12RB#6	21.51	22.51	23.51	PASS
LTE Band 25	5M	16QAM	26365	12RB#13	21.53	22.53	23.53	PASS
LTE Band 25	5M	16QAM	26365	25RB#0	21.49	22.49	23.49	PASS
LTE Band 25	5M	16QAM	26665	1RB#0	22.13	23.13	24.13	PASS
LTE Band 25	5M	16QAM	26665	1RB#13	22.54	23.54	24.54	PASS
LTE Band 25	5M	16QAM	26665	1RB#24	21.13	22.13	23.13	PASS
LTE Band 25	5M	16QAM	26665	12RB#0	21.47	22.47	23.47	PASS
LTE Band 25	5M	16QAM	26665	12RB#6	21.57	22.57	23.57	PASS



LTE Band 25	5M	16QAM	26665	12RB#13	21.34	22.34	23.34	PASS
LTE Band 25	5M	16QAM	26665	25RB#0	21.57	22.57	23.57	PASS
LTE Band 25	10M	QPSK	26090	1RB#0	23.55	24.55	25.55	PASS
LTE Band 25	10M	QPSK	26090	1RB#25	23.94	24.94	25.94	PASS
LTE Band 25	10M	QPSK	26090	1RB#49	23.14	24.14	25.14	PASS
LTE Band 25	10M	QPSK	26090	25RB#0	22.69	23.69	24.69	PASS
LTE Band 25	10M	QPSK	26090	25RB#13	22.75	23.75	24.75	PASS
LTE Band 25	10M	QPSK	26090	25RB#25	22.53	23.53	24.53	PASS
LTE Band 25	10M	QPSK	26090	50RB#0	22.58	23.58	24.58	PASS
LTE Band 25	10M	QPSK	26365	1RB#0	23.32	24.32	25.32	PASS
LTE Band 25	10M	QPSK	26365	1RB#25	23.83	24.83	25.83	PASS
LTE Band 25	10M	QPSK	26365	1RB#49	23.40	24.40	25.40	PASS
LTE Band 25	10M	QPSK	26365	25RB#0	22.57	23.57	24.57	PASS
LTE Band 25	10M	QPSK	26365	25RB#13	22.77	23.77	24.77	PASS
LTE Band 25	10M	QPSK	26365	25RB#25	22.54	23.54	24.54	PASS
LTE Band 25	10M	QPSK	26365	50RB#0	22.58	23.58	24.58	PASS
LTE Band 25	10M	QPSK	26640	1RB#0	22.86	23.86	24.86	PASS
LTE Band 25	10M	QPSK	26640	1RB#25	24.55	25.55	26.55	PASS
LTE Band 25	10M	QPSK	26640	1RB#49	21.38	22.38	23.38	PASS
LTE Band 25	10M	QPSK	26640	25RB#0	23.99	24.99	25.99	PASS
LTE Band 25	10M	QPSK	26640	25RB#13	22.63	23.63	24.63	PASS
LTE Band 25	10M	QPSK	26640	25RB#25	22.32	23.32	24.32	PASS
LTE Band 25	10M	QPSK	26640	50RB#0	22.46	23.46	24.46	PASS
LTE Band 25	10M	16QAM	26090	1RB#0	22.31	23.31	24.31	PASS
LTE Band 25	10M	16QAM	26090	1RB#25	22.12	23.12	24.12	PASS
LTE Band 25	10M	16QAM	26090	1RB#49	22.09	23.09	24.09	PASS
LTE Band 25	10M	16QAM	26090	25RB#0	21.76	22.76	23.76	PASS
LTE Band 25	10M	16QAM	26090	25RB#13	21.51	22.51	23.51	PASS
LTE Band 25	10M	16QAM	26090	25RB#25	21.60	22.60	23.60	PASS
LTE Band 25	10M	16QAM	26090	50RB#0	21.56	22.56	23.56	PASS
LTE Band 25	10M	16QAM	26365	1RB#0	22.12	23.12	24.12	PASS
LTE Band 25	10M	16QAM	26365	1RB#25	22.25	23.25	24.25	PASS
LTE Band 25	10M	16QAM	26365	1RB#49	22.21	23.21	24.21	PASS
LTE Band 25	10M	16QAM	26365	25RB#0	21.58	22.58	23.58	PASS
LTE Band 25	10M	16QAM	26365	25RB#13	21.63	22.63	23.63	PASS
LTE Band 25	10M	16QAM	26365	25RB#25	21.51	22.51	23.51	PASS
LTE Band 25	10M	16QAM	26365	50RB#0	21.60	22.60	23.60	PASS
LTE Band 25	10M	16QAM	26640	1RB#0	22.16	23.16	24.16	PASS
LTE Band 25	10M	16QAM	26640	1RB#25	22.30	23.30	24.30	PASS
LTE Band 25	10M	16QAM	26640	1RB#49	22.03	23.03	24.03	PASS
LTE Band 25	10M	16QAM	26640	25RB#0	21.52	22.52	23.52	PASS
LTE Band 25	10M	16QAM	26640	25RB#13	21.56	22.56	23.56	PASS
LTE Band 25	10M	16QAM	26640	25RB#25	21.41	22.41	23.41	PASS



LTE Band 25	10M	16QAM	26640	50RB#0	21.53	22.53	23.53	PASS
LTE Band 25	15M	QPSK	26115	1RB#0	23.59	24.59	25.59	PASS
LTE Band 25	15M	QPSK	26115	1RB#38	23.86	24.86	25.86	PASS
LTE Band 25	15M	QPSK	26115	1RB#74	22.92	23.92	24.92	PASS
LTE Band 25	15M	QPSK	26115	36RB#0	22.78	23.78	24.78	PASS
LTE Band 25	15M	QPSK	26115	36RB#18	22.71	23.71	24.71	PASS
LTE Band 25	15M	QPSK	26115	36RB#39	22.33	23.33	24.33	PASS
LTE Band 25	15M	QPSK	26115	75RB#0	22.61	23.61	24.61	PASS
LTE Band 25	15M	QPSK	26365	1RB#0	23.26	24.26	25.26	PASS
LTE Band 25	15M	QPSK	26365	1RB#38	23.66	24.66	25.66	PASS
LTE Band 25	15M	QPSK	26365	1RB#74	23.36	24.36	25.36	PASS
LTE Band 25	15M	QPSK	26365	36RB#0	22.44	23.44	24.44	PASS
LTE Band 25	15M	QPSK	26365	36RB#18	22.81	23.81	24.81	PASS
LTE Band 25	15M	QPSK	26365	36RB#39	22.44	23.44	24.44	PASS
LTE Band 25	15M	QPSK	26365	75RB#0	22.57	23.57	24.57	PASS
LTE Band 25	15M	QPSK	26615	1RB#0	23.06	24.06	25.06	PASS
LTE Band 25	15M	QPSK	26615	1RB#38	24.12	25.12	26.12	PASS
LTE Band 25	15M	QPSK	26615	1RB#74	21.46	22.46	23.46	PASS
LTE Band 25	15M	QPSK	26615	36RB#0	23.45	24.45	25.45	PASS
LTE Band 25	15M	QPSK	26615	36RB#18	22.75	23.75	24.75	PASS
LTE Band 25	15M	QPSK	26615	36RB#39	22.52	23.52	24.52	PASS
LTE Band 25	15M	QPSK	26615	75RB#0	22.49	23.49	24.49	PASS
LTE Band 25	15M	16QAM	26115	1RB#0	22.37	23.37	24.37	PASS
LTE Band 25	15M	16QAM	26115	1RB#38	22.01	23.01	24.01	PASS
LTE Band 25	15M	16QAM	26115	1RB#74	22.16	23.16	24.16	PASS
LTE Band 25	15M	16QAM	26115	36RB#0	21.61	22.61	23.61	PASS
LTE Band 25	15M	16QAM	26115	36RB#18	21.69	22.69	23.69	PASS
LTE Band 25	15M	16QAM	26115	36RB#39	21.69	22.69	23.69	PASS
LTE Band 25	15M	16QAM	26115	75RB#0	21.58	22.58	23.58	PASS
LTE Band 25	15M	16QAM	26365	1RB#0	22.12	23.12	24.12	PASS
LTE Band 25	15M	16QAM	26365	1RB#38	22.20	23.20	24.20	PASS
LTE Band 25	15M	16QAM	26365	1RB#74	22.27	23.27	24.27	PASS
LTE Band 25	15M	16QAM	26365	36RB#0	21.65	22.65	23.65	PASS
LTE Band 25	15M	16QAM	26365	36RB#18	21.50	22.50	23.50	PASS
LTE Band 25	15M	16QAM	26365	36RB#39	21.65	22.65	23.65	PASS
LTE Band 25	15M	16QAM	26365	75RB#0	21.62	22.62	23.62	PASS
LTE Band 25	15M	16QAM	26615	1RB#0	22.41	23.41	24.41	PASS
LTE Band 25	15M	16QAM	26615	1RB#38	22.11	23.11	24.11	PASS
LTE Band 25	15M	16QAM	26615	1RB#74	22.43	23.43	24.43	PASS
LTE Band 25	15M	16QAM	26615	36RB#0	21.68	22.68	23.68	PASS
LTE Band 25	15M	16QAM	26615	36RB#18	21.44	22.44	23.44	PASS
LTE Band 25	15M	16QAM	26615	36RB#39	21.58	22.58	23.58	PASS
LTE Band 25	15M	16QAM	26615	75RB#0	21.53	22.53	23.53	PASS



LTE Band 25	20M	QPSK	26140	1RB#0	23.50	24.50	25.50	PASS
LTE Band 25	20M	QPSK	26140	1RB#50	23.80	24.80	25.80	PASS
LTE Band 25	20M	QPSK	26140	1RB#99	23.02	24.02	25.02	PASS
LTE Band 25	20M	QPSK	26140	50RB#0	23.31	24.31	25.31	PASS
LTE Band 25	20M	QPSK	26140	50RB#25	22.81	23.81	24.81	PASS
LTE Band 25	20M	QPSK	26140	50RB#50	22.07	23.07	24.07	PASS
LTE Band 25	20M	QPSK	26140	100RB#0	22.72	23.72	24.72	PASS
LTE Band 25	20M	QPSK	26365	1RB#0	23.08	24.08	25.08	PASS
LTE Band 25	20M	QPSK	26365	1RB#50	23.24	24.24	25.24	PASS
LTE Band 25	20M	QPSK	26365	1RB#99	23.23	24.23	25.23	PASS
LTE Band 25	20M	QPSK	26365	50RB#0	22.52	23.52	24.52	PASS
LTE Band 25	20M	QPSK	26365	50RB#25	23.00	24.00	25.00	PASS
LTE Band 25	20M	QPSK	26365	50RB#50	22.37	23.37	24.37	PASS
LTE Band 25	20M	QPSK	26365	100RB#0	22.57	23.57	24.57	PASS
LTE Band 25	20M	QPSK	26590	1RB#0	23.46	24.46	25.46	PASS
LTE Band 25	20M	QPSK	26590	1RB#50	23.44	24.44	25.44	PASS
LTE Band 25	20M	QPSK	26590	1RB#99	21.48	22.48	23.48	PASS
LTE Band 25	20M	QPSK	26590	50RB#0	23.87	24.87	25.87	PASS
LTE Band 25	20M	QPSK	26590	50RB#25	22.76	23.76	24.76	PASS
LTE Band 25	20M	QPSK	26590	50RB#50	22.59	23.59	24.59	PASS
LTE Band 25	20M	QPSK	26590	100RB#0	22.54	23.54	24.54	PASS
LTE Band 25	20M	16QAM	26140	1RB#0	22.27	23.27	24.27	PASS
LTE Band 25	20M	16QAM	26140	1RB#50	22.31	23.31	24.31	PASS
LTE Band 25	20M	16QAM	26140	1RB#99	22.22	23.22	24.22	PASS
LTE Band 25	20M	16QAM	26140	50RB#0	21.68	22.68	23.68	PASS
LTE Band 25	20M	16QAM	26140	50RB#25	21.62	22.62	23.62	PASS
LTE Band 25	20M	16QAM	26140	50RB#50	21.71	22.71	23.71	PASS
LTE Band 25	20M	16QAM	26140	100RB#0	21.61	22.61	23.61	PASS
LTE Band 25	20M	16QAM	26365	1RB#0	22.30	23.30	24.30	PASS
LTE Band 25	20M	16QAM	26365	1RB#50	22.37	23.37	24.37	PASS
LTE Band 25	20M	16QAM	26365	1RB#99	22.16	23.16	24.16	PASS
LTE Band 25	20M	16QAM	26365	50RB#0	21.69	22.69	23.69	PASS
LTE Band 25	20M	16QAM	26365	50RB#25	21.62	22.62	23.62	PASS
LTE Band 25	20M	16QAM	26365	50RB#50	21.57	22.57	23.57	PASS
LTE Band 25	20M	16QAM	26365	100RB#0	21.62	22.62	23.62	PASS
LTE Band 25	20M	16QAM	26590	1RB#0	22.25	23.25	24.25	PASS
LTE Band 25	20M	16QAM	26590	1RB#50	22.23	23.23	24.23	PASS
LTE Band 25	20M	16QAM	26590	1RB#99	21.03	22.03	23.03	PASS
LTE Band 25	20M	16QAM	26590	50RB#0	21.55	22.55	23.55	PASS
LTE Band 25	20M	16QAM	26590	50RB#25	21.70	22.70	23.70	PASS
LTE Band 25	20M	16QAM	26590	50RB#50	21.53	22.53	23.53	PASS
LTE Band 25	20M	16QAM	26590	100RB#0	21.53	22.53	23.53	PASS

Note: All conducted power has been calculated for line loss.

5.2. Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

- The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26 (2015).
- Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=200Hz,VBW=600Hz for 9kHz-150kHz , RBW=10kHz, VBW=30kHz 150kHz-30MHz , RBW=100kHz,VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, And the maximum value of the receiver should be recorded as (Pr).
- The EUT shall be replaced by a substitution antenna. 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 (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAG) should be recorded after test.
- The measurement results are obtained as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{PAG} - \text{Pcl} + \text{Ga}$$
The measurement results are amend as described below:

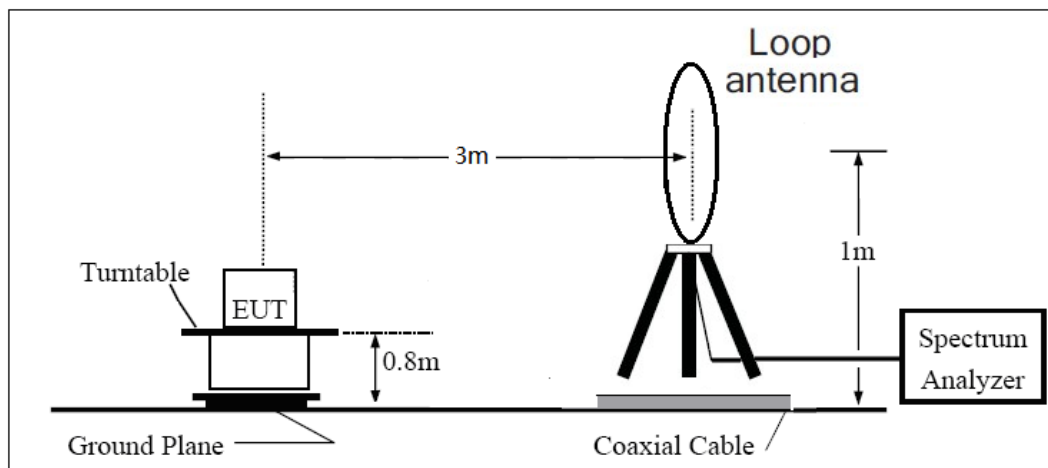
$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$

8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.

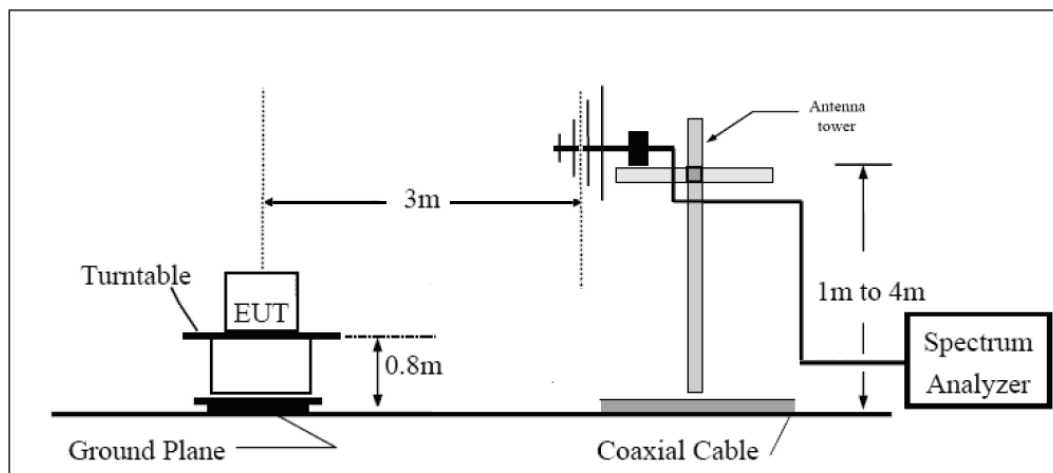
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

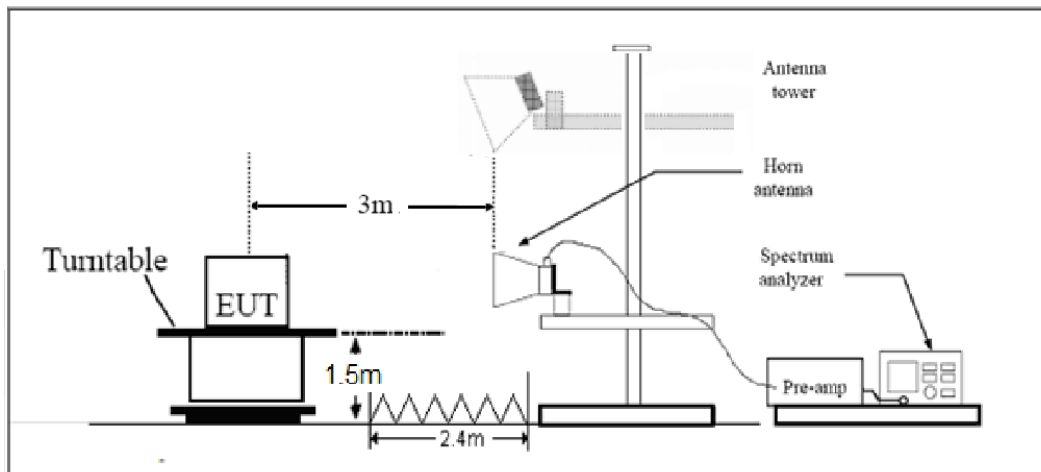
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10} (P)$ dB.”

Limit	-13 dBm
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 3.55$ dB.

Test Result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

GSM 1900 CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-57.26	5.10	11.05	Horizontal	-51.31	-13.00	38.31	45
3	5640.00	-52.38	5.42	12.65	Horizontal	-45.15	-13.00	32.15	315
4	7520.00	-57.18	6.70	13.85	Horizontal	-50.03	-13.00	37.03	45
5	9400.00	-56.07	7.01	14.75	Horizontal	-48.33	-13.00	35.33	270
6	11280.00	-53.46	7.48	15.95	Horizontal	-44.99	-13.00	31.99	180
7	13160.00	-54.38	7.51	16.55	Horizontal	-45.34	-13.00	32.34	0
8	15040.00	-51.26	8.24	15.35	Horizontal	-44.15	-13.00	31.15	45
9	16920.00	-48.30	8.41	14.95	Horizontal	-41.76	-13.00	28.76	315
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

WCDMA Band II CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-62.79	5.10	11.05	Horizontal	-56.84	-13.00	43.84	225
3	5640.00	-62.49	5.42	12.65	Horizontal	-55.26	-13.00	42.26	90
4	7520.00	-56.56	6.70	13.85	Horizontal	-49.41	-13.00	36.41	45
5	9400.00	-56.64	7.01	14.75	Horizontal	-48.90	-13.00	35.90	315
6	11280.00	-54.44	7.48	15.95	Horizontal	-45.97	-13.00	32.97	225
7	13160.00	-54.41	7.51	16.55	Horizontal	-45.37	-13.00	32.37	90
8	15040.00	-53.76	8.24	15.35	Horizontal	-46.65	-13.00	33.65	0
9	16920.00	-49.49	8.41	14.95	Horizontal	-42.95	-13.00	29.95	180
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.



LTE Band 2 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3759.00	-62.41	5.10	11.05	Horizontal	-56.46	-13.00	43.46	45
3	5638.88	-57.47	5.42	12.65	Horizontal	-50.24	-13.00	37.24	180
4	7520.00	-53.76	6.70	13.85	Horizontal	-46.61	-13.00	33.61	225
5	9400.00	-47.43	7.01	14.75	Horizontal	-39.69	-13.00	26.69	0
6	11280.00	-62.50	7.48	15.95	Horizontal	-54.03	-13.00	41.03	90
7	13160.00	-60.92	7.51	16.55	Horizontal	-51.88	-13.00	38.88	180
8	15040.00	-57.96	8.24	15.35	Horizontal	-50.85	-13.00	37.85	315
9	16920.00	-60.39	8.41	14.95	Horizontal	-53.85	-13.00	40.85	45
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.63	-61.88	5.10	11.05	Horizontal	-55.93	-13.00	42.93	0
3	5633.63	-55.55	5.42	12.65	Horizontal	-48.32	-13.00	35.32	45
4	7520.00	-50.02	6.70	13.85	Horizontal	-42.87	-13.00	29.87	225
5	9389.25	-44.24	7.01	14.75	Horizontal	-36.50	-13.00	23.50	270
6	11267.25	-56.73	7.48	15.95	Horizontal	-48.26	-13.00	35.26	180
7	13144.50	-60.77	7.51	16.55	Horizontal	-51.73	-13.00	38.73	90
8	15023.25	-55.85	8.24	15.35	Horizontal	-48.74	-13.00	35.74	315
9	16901.25	-59.07	8.41	14.95	Horizontal	-52.53	-13.00	39.53	225
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 2 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3742.13	-61.70	5.10	11.05	Horizontal	-55.75	-13.00	42.75	0
3	5613.38	-58.49	5.42	12.65	Horizontal	-51.26	-13.00	38.26	90
4	7484.63	-53.88	6.70	13.85	Horizontal	-46.73	-13.00	33.73	45
5	9389.25	-46.65	7.01	14.75	Horizontal	-38.91	-13.00	25.91	270
6	11280.00	-62.09	7.48	15.95	Horizontal	-53.62	-13.00	40.62	315
7	13160.00	-60.56	7.51	16.55	Horizontal	-51.52	-13.00	38.52	225
8	15040.00	-57.20	8.24	15.35	Horizontal	-50.09	-13.00	37.09	180
9	16920.00	-59.33	8.41	14.95	Horizontal	-52.79	-13.00	39.79	90
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 25 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3765.00	-60.04	5.10	11.05	Horizontal	-54.09	-13.00	41.09	90
3	5647.50	-53.60	5.42	12.65	Horizontal	-46.37	-13.00	33.37	315
4	7530.00	-47.52	6.70	13.85	Horizontal	-40.37	-13.00	27.37	45
5	9412.50	-43.12	7.01	14.75	Horizontal	-35.38	-13.00	22.38	270
6	11295.00	-56.72	7.48	15.95	Horizontal	-48.25	-13.00	35.25	135
7	13177.50	-59.31	7.51	16.55	Horizontal	-50.27	-13.00	37.27	45
8	15060.00	-55.67	8.24	15.35	Horizontal	-48.56	-13.00	35.56	315
9	16942.50	-58.67	8.41	14.95	Horizontal	-52.13	-13.00	39.13	90
10	18825.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.



LTE Band 25 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3765.00	-59.35	5.10	11.05	Horizontal	-53.40	-13.00	40.40	90
3	5647.50	-54.70	5.42	12.65	Horizontal	-47.47	-13.00	34.47	135
4	7530.00	-47.49	6.70	13.85	Horizontal	-40.34	-13.00	27.34	45
5	9412.50	-43.93	7.01	14.75	Horizontal	-36.19	-13.00	23.19	270
6	11295.00	-56.58	7.48	15.95	Horizontal	-48.11	-13.00	35.11	45
7	13177.50	-60.16	7.51	16.55	Horizontal	-51.12	-13.00	38.12	315
8	15060.00	-55.37	8.24	15.35	Horizontal	-48.26	-13.00	35.26	180
9	16942.50	-60.18	8.41	14.95	Horizontal	-53.64	-13.00	40.64	90
10	18825.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 25 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3748.13	-60.38	5.10	11.05	Horizontal	-54.43	-13.00	41.43	90
3	5622.00	-55.04	5.42	12.65	Horizontal	-47.81	-13.00	34.81	45
4	7496.00	-48.96	6.70	13.85	Horizontal	-41.81	-13.00	28.81	270
5	9370.00	-43.66	7.01	14.75	Horizontal	-35.92	-13.00	22.92	135
6	11244.00	-56.78	7.48	15.95	Horizontal	-48.31	-13.00	35.31	180
7	13118.00	-59.51	7.51	16.55	Horizontal	-50.47	-13.00	37.47	45
8	14992.00	-54.72	8.24	15.35	Horizontal	-47.61	-13.00	34.61	315
9	16866.00	-58.06	8.41	14.95	Horizontal	-51.52	-13.00	38.52	90
10	18740.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMU200	118133	2020-05-17	2021-05-16
Base Station Simulator	R&S	CMW500	113824	2020-05-18	2021-05-17
Power Splitter	Hua Xiang	SHX-GF2-2-13	10120101	/	/
Spectrum Analyzer	Key sight	N9010A	MY50210259	2020-05-18	2021-05-17
Universal Radio Communication Tester	Key sight	E5515C	MY48367192	2020-05-27	2021-05-26
Signal Analyzer	R&S	FSV30	100815	2019-12-15	2020-12-14
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
Trilog Antenna	SCHWARZBECK	VUBL 9163	391	2019-12-16	2022-12-15
Horn Antenna	R&S	HF907	102723	2018-08-11	2021-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2018-06-20	2021-06-19
Signal generator	R&S	SMB 100A	102594	2020-05-18	2021-05-17
Climatic Chamber	ESPEC	SU-242	93000506	2017-12-17	2020-12-16
Preamplifier	R&S	SCU18	102327	2020-05-18	2021-05-17
MOB COMMS DC SUPPLY	Keysight	66319D	MY43004105	2020-05-18	2021-05-17
RF Cable	Agilent	SMA 15cm	0001	2020-06-12	2020-12-11
Software	R&S	EMC32	9.26.0	/	/

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



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.