

RF TEST REPORT

Applicant	Zonar Systems
FCC ID	SEJ-V4B2
Product	Zonar Telematics Control Unit
Brand	Zonar
Model	V4B2
Report No.	R2411A1779-R1V1
Issue Date	January 16, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2024)/ FCC CFR 47 Part 22H (2024) / FCC CFR 47 Part 24E (2024) / FCC CFR47 Part 27C (2024)/ FCC CFR 47 Part 90S (2024)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Xu Ying

Approved by: Xu Kai

Eurofins TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

TABLE OF CONTENT

1. Test Laboratory	5
1.1. Notes of the Test Report	5
1.2. Test Facility	5
1.3. Testing Location	5
2. General Description of Equipment Under Test	6
2.1. Applicant and Manufacturer Information	6
2.2. General Information	6
3. Applied Standards	8
4. Test Configuration	9
5. Test Case	10
5.1. RF Power Output and Effective Radiated Power	10
5.2. Radiated Spurious Emission	12
6. Test Result	16
6.1. RF Power Output and Effective Radiated Power	16
6.2. Radiated Spurious Emission	40
7. Main Test Instruments	46
ANNEX A: The EUT Appearance	47
ANNEX B: Test Setup Photos	48

Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	January 14, 2025
Rev.1	Updated information.	January 16, 2025
Note: This revised report (Report No.: R2411A1779-R1V1) supersedes and replaces the previously issued report (Report No.: R2411A1779-R1). 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 Radiated Power	2.1046 22.913(a)(5) 24.232(c) 27.50(d)(4) 27.50(b)(10) 27.50(c)(10) 90.635(b)	PASS (because of the change of antenna gain, ERP/EIRP need to be re-evaluated)
2	Radiated Spurious Emission	2.1053 22.917(a) 24.238(a) 27.53(h) 27.53(g) 27.53(f) /27.53(c) 90.691	PASS
3	Occupied Bandwidth	Refer to the Module report (Report No.: R2006A0379-R1; R2006A0379-R2; R2006A0379-R3; R2006A0379-R4; R2006A0379-R5; R2006A0379-R6, FCC ID: XMR202008EG91NAXD, Grant date:09/16/2020)	
4	Band Edge Compliance		
5	Peak-to-Average Power Ratio		
6	Frequency Stability		
7	Spurious Emissions at Antenna Terminals		
Date of Testing: November 28, 2024 ~ December 8, 2024 Date of Sample Received: November 19, 2024			
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 Eurofins 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.			

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 **Eurofins 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)

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

A2LA (Certificate Number: 3857.01)

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

1.3. Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <https://www.eurofins.com/electrical-and-electronics>
E-mail: Kain.Xu@cpt.eurofinscn.com

2. General Description of Equipment Under Test

2.1. Applicant and Manufacturer Information

Applicant	Zonar Systems
Applicant address	821 2nd Ave., Suite 1100, Seattle Washington 98104, United States
Manufacturer	Zonar Systems
Manufacturer address	821 2nd Ave., Suite 1100, Seattle Washington 98104, United States

2.2. General Information

EUT Description		
Model	V4B2	
Lab internal SN	R2411A1779/S01	
HW Version	V1.0.0	
SW Version	V1.0.0	
Power Supply	External power supply	
Antenna Type	Internal Antenna	
Antenna Gain	WCDMA Band II	3.11dBi
	WCDMA Band IV	3.11dBi
	WCDMA Band V	-0.21dBi
	LTE Band 2	3.11dBi
	LTE Band 4	3.11dBi
	LTE Band 5	-0.21dBi
	LTE Band 12	-0.21dBi
	LTE Band 13	-0.21dBi
	LTE Band 25	3.11dBi
	LTE Band 26	-0.21dBi
Test Mode(s)	WCDMA Band II/IV/V; LTE Band 2/4/5/12/13/25/26;	
Test Modulation	(WCDMA) BPSK, QPSK; (LTE) QPSK, 16QAM	
HSDPA UE Category	24	
HSUPA UE Category	6	
DC-HSDPA UE Category	24	
LTE Category	1	
Maximum E.R.P.	WCDMA Band II	26.49dBm
	WCDMA Band IV	26.68dBm
	WCDMA Band V	20.76dBm

	LTE Band 2	27.55dBm	
	LTE Band 4	27.42dBm	
	LTE Band 5	21.87dBm	
	LTE Band 12	21.87dBm	
	LTE Band 13	21.59dBm	
	LTE Band 25	27.11dBm	
	LTE Band 26 (Part 22)	21.69dBm	
	LTE Band 26 (Part 90)	21.74dBm	
Rated Power Supply Voltage	12VDC		
Operating Voltage	Minimum: 8VDC Maximum: 32VDC		
Operating Temperature	Lowest: -40°C Highest: +85°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155
	WCDMA Band V	824 ~ 849	869 ~ 894
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 5	824 ~ 849	869 ~ 894
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 25	1850 ~ 1915	1930 ~ 1995
	LTE Band 26	814 ~ 849	859 ~ 894
Note: 1. The EUT is sent from the applicant to Eurofins 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 22H (2024)

FCC CFR 47 Part 24E (2024)

FCC CFR47 Part 27C (2024)

FCC CFR 47 Part 90S (2024)

FCC CFR47 Part 2 (2024)

Reference standard:

ANSI C63.26-2015

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 (Y axis, vertical 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 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		
	WCDMA Band II	WCDMA Band IV	WCDMA Band V
RF Power Output and Effective Radiated power	RMC HSDPA/HSUPA DC-HSDPA	RMC HSDPA/HSUPA DC-HSDPA	RMC HSDPA/HSUPA DC-HSDPA
Radiated Spurious Emission	RMC	RMC	RMC

Test modes are chosen as the worst case configuration below for LTE Band

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
Radiated Spurious Emission	LTE 2	O	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 4	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 5	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 12	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 13	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 25	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 26 (Part 22)	-	-	O	-	-	-	O	-	O	-	-	-	O	-
	LTE 26 (Part 90S)	-	-	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

5.1. RF Power Output and Effective Radiated Power

Ambient Condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

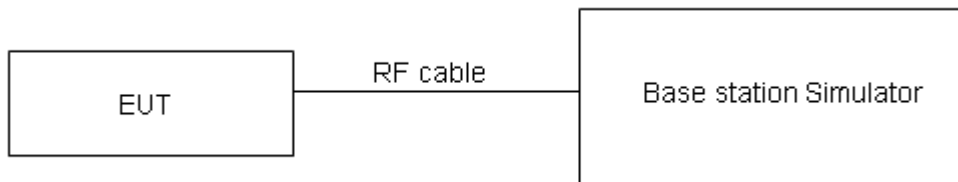
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

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

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

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 22.913(a)(5) specifies that "Mobile/portable stations are limited to 7 watts ERP".

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.

Rule Part 27.50(b) (10) specifies that "Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP"

Rule Part 27.50(c) (10) specifies that "Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP"

Rule Part 27.50(d) (4) specifies that "Fixed, mobile and portable (hand-held) stations operating in the 1710-1755 MHz band are limited to 1 watt EIRP"

Part 90.635 (b) the maximum output power of the transmitter for mobile stations is 100 watts.

Rule Part 90.635(b) specifies that “The maximum output power of the transmitter for mobile stations is 100 watts”.

Part 22.913(a)(5) Limit	$\leq$ 7 W (38.45 dBm)
Part 24.232(c)(e) Limit	$\leq$ 2 W (33 dBm)
Part 27.50(a)(3) Limit	$\leq$ 250 mW (24 dBm)
Part 27.50(b)(10) Limit	$\leq$ 3 W (34.77 dBm)
Part 27.50(c)(10) Limit	$\leq$ 3 W (34.77 dBm)
Part 27.50(d)(4) Limit	$\leq$ 1 W (30 dBm)
Part 90.635(b) Limit	$\leq$ 100 W (50 dBm)

Measurement Uncertainty

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

Test Results

Refer to the section 6.1 of this report for test data.

5.2. Radiated Spurious Emission

Ambient Condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

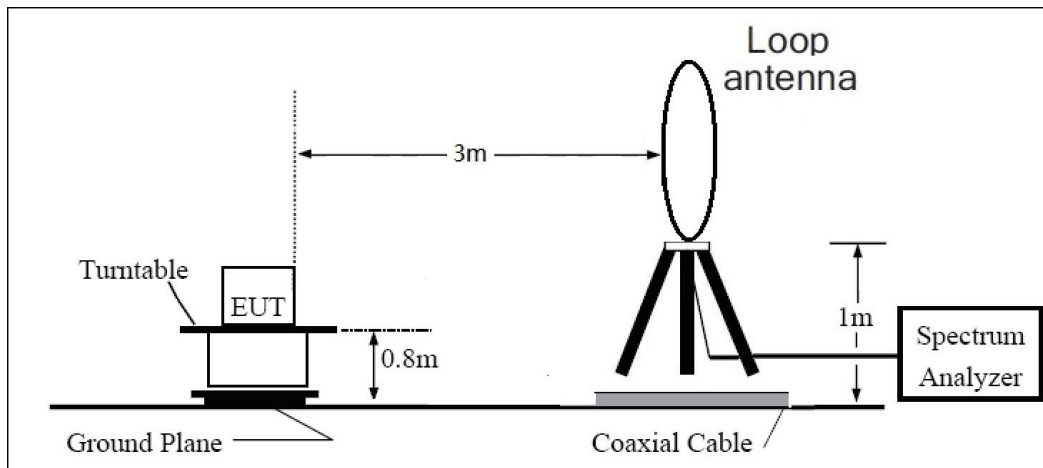
Method of Measurement

1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26-2015.
2. 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).
3. 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.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz, and the maximum value of the receiver should be recorded as (Pr).
5. 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.
6. 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.
7. The measurement results are obtained as described below:
Power (EIRP) = PMea - PAG - Pcl + Ga
The measurement results are amend as described below:
Power (EIRP) = PMea - Pcl + Ga
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dB.

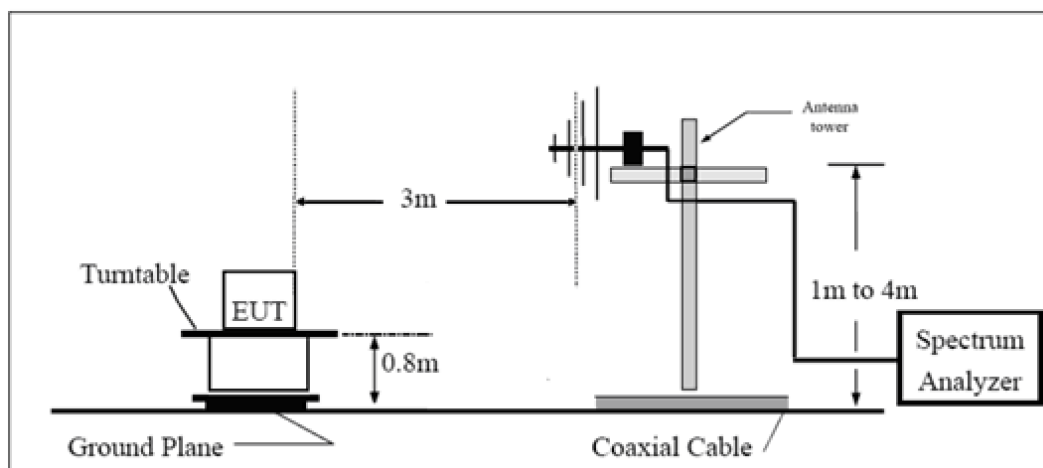
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test Setup

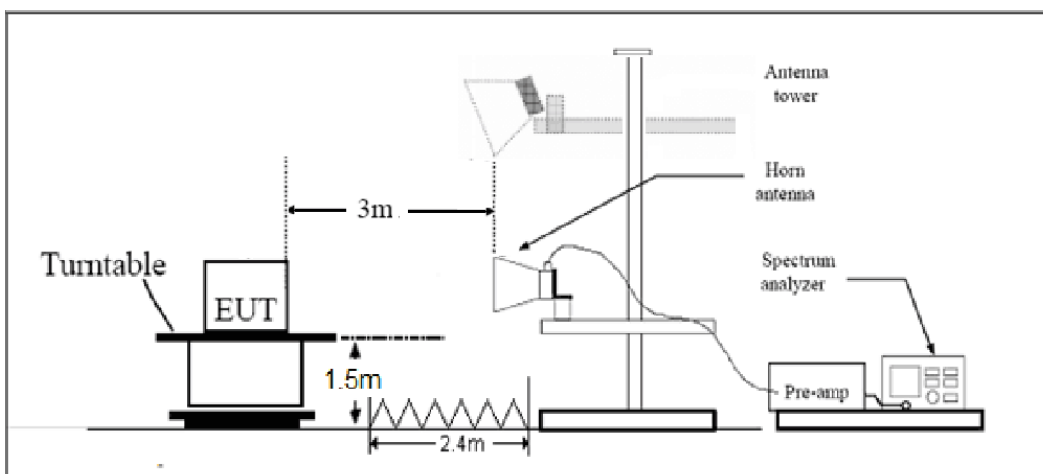
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 22.917(a) specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ Db.”

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.”

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.”

Rule Part 27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Rule Part 27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

Rule Part 27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.”

Part 22.917(a) Limit		-13 dBm
Part 24.238(a) Limit		-13 dBm
Part 27.53 (h)/(g) Limit		-13 dBm
Part 27.53(f) Limit	Limit out of the band 1559-1610 MHz	-13 dBm
	Limit in the band 1559-1610 MHz	-40 dBm
Part 90.691 Limit		-13 dBm

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 Results

Refer to the section 6.2 of this report for test data.

6. Test Result

6.1. RF Power Output and Effective Radiated Power

WCDMA Band II		Conducted Power (dBm)			EIRP (dBm)		
		Channel/Frequency			Channel/Frequency		
		9262/1852.4	9400/1880	9538/1907.6	9262/1852.4	9400/1880	9538/1907.6
RMC	12.2k	23.38	23.33	23.18	26.49	26.44	26.29
	64k	23.32	23.21	23.02	26.43	26.32	26.13
	144k	23.23	23.16	23.01	26.34	26.27	26.12
	384k	23.22	23.17	23.02	26.33	26.28	26.13
HSDPA	Subtest 1	22.36	22.37	22.35	25.47	25.48	25.46
	Subtest 2	22.39	22.37	22.30	25.50	25.48	25.41
	Subtest 3	21.86	21.87	21.80	24.97	24.98	24.91
	Subtest 4	21.90	21.81	21.80	25.01	24.92	24.91
HSUPA	Subtest 1	22.40	22.39	22.30	25.51	25.50	25.41
	Subtest 2	21.90	21.88	21.82	25.01	24.99	24.93
	Subtest 3	22.43	22.38	22.34	25.54	25.49	25.45
	Subtest 4	22.48	22.34	22.32	25.59	25.45	25.43
	Subtest 5	22.32	22.21	22.18	25.43	25.32	25.29
DC-HSDPA	Subtest 1	23.31	23.22	23.07	26.42	26.33	26.18
	Subtest 2	23.30	23.21	23.06	26.41	26.32	26.17
	Subtest 3	22.79	22.70	22.55	25.90	25.81	25.66
	Subtest 4	22.78	22.79	22.53	25.89	25.90	25.64

WCDMA Band IV		Conducted Power (dBm)			EIRP (dBm)		
		Channel/Frequency			Channel/Frequency		
		1312/1712.4	1413/1732.6	1513/1752.6	1312/1712.4	1413/1732.6	1513/1752.6
RMC	12.2k	23.57	23.56	23.51	26.68	26.67	26.62
	64k	23.43	23.50	23.38	26.54	26.61	26.49
	144k	23.42	23.40	23.37	26.53	26.51	26.48
	384k	23.41	23.39	23.36	26.52	26.50	26.47
HSDPA	Subtest 1	23.27	23.25	23.26	26.38	26.36	26.37
	Subtest 2	23.25	23.28	23.32	26.36	26.39	26.43
	Subtest 3	22.89	22.79	22.86	26.00	25.90	25.97
	Subtest 4	22.83	22.74	22.80	25.94	25.85	25.91
HSUPA	Subtest 1	23.32	23.25	23.30	26.43	26.36	26.41
	Subtest 2	22.84	22.81	22.80	25.95	25.92	25.91
	Subtest 3	23.32	23.31	23.27	26.43	26.42	26.38
	Subtest 4	23.31	23.29	23.36	26.42	26.40	26.47
	Subtest 5	23.26	23.16	23.25	26.37	26.27	26.36
DC-HSDPA	Subtest 1	23.44	23.43	23.38	26.55	26.54	26.49
	Subtest 2	23.42	23.42	23.37	26.53	26.53	26.48
	Subtest 3	22.91	22.91	22.86	26.02	26.02	25.97
	Subtest 4	22.90	22.90	22.85	26.01	26.01	25.96

WCDMA Band V		Conducted Power (dBm)			ERP (dBm)		
		Channel/Frenqucy			Channel/Frenqucy		
		4132/826.4	4183/836.6	4233/846.6	4132/826.4	4183/836.6	4233/846.6
RMC	12.2k	23.06	22.99	23.12	20.70	20.63	20.76
	64k	22.99	22.85	23.06	20.63	20.49	20.70
	144k	22.98	22.84	22.96	20.62	20.48	20.60
	384k	22.97	22.83	22.95	20.61	20.47	20.59
HSDPA	Subtest 1	22.79	22.64	22.69	20.43	20.28	20.33
	Subtest 2	22.75	22.68	22.78	20.39	20.32	20.42
	Subtest 3	22.39	22.32	22.30	20.03	19.96	19.94
	Subtest 4	22.31	22.25	22.26	19.95	19.89	19.90
HSUPA	Subtest 1	22.82	22.74	22.75	20.46	20.38	20.39
	Subtest 2	22.31	22.26	22.29	19.95	19.90	19.93
	Subtest 3	22.76	22.78	22.75	20.40	20.42	20.39
	Subtest 4	22.77	22.71	22.76	20.41	20.35	20.40
	Subtest 5	22.73	22.76	22.71	20.37	20.40	20.35
DC-HSDPA	Subtest 1	22.93	22.86	22.99	20.57	20.50	20.63
	Subtest 2	23.02	22.84	22.98	20.66	20.48	20.62
	Subtest 3	22.51	22.33	22.47	20.15	19.97	20.11
	Subtest 4	22.50	22.32	22.46	20.14	19.96	20.10

LTE Band 2				Conducted Power(dBm)			EIRP (dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18607	18900	19193	18607	18900	19193
1.4MHz	QPSK	1	0	23.90	23.76	23.58	27.01	26.87	26.69
		1	2	24.19	23.97	23.68	27.30	27.08	26.79
		1	5	24.22	23.89	23.78	27.33	27.00	26.89
		3	0	23.86	23.87	23.81	26.97	26.98	26.92
		3	2	23.96	23.65	23.86	27.07	26.76	26.97
		3	3	24.12	23.89	23.67	27.23	27.00	26.78
		6	0	22.98	22.88	22.84	26.09	25.99	25.95
	16QAM	1	0	22.89	22.67	23.09	26.00	25.78	26.20
		1	2	23.05	22.96	23.17	26.16	26.07	26.28
		1	5	22.95	22.85	22.95	26.06	25.96	26.06
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18615	18900	19185	18615	18900	19185
3MHz	QPSK	1	0	23.98	23.77	23.64	27.09	26.88	26.75
		1	7	24.13	23.84	24.43	27.24	26.95	27.54
		1	14	23.82	23.58	23.52	26.93	26.69	26.63
		8	0	22.96	22.95	22.74	26.07	26.06	25.85
		8	4	22.90	22.82	22.94	26.01	25.93	26.05
		8	7	22.87	22.88	22.89	25.98	25.99	26.00
		15	0	22.82	22.89	22.98	25.93	26.00	26.09
	16QAM	1	0	23.17	22.99	23.43	26.28	26.10	26.54
		1	7	23.76	22.88	24.14	26.87	25.99	27.25
		1	14	23.09	22.90	23.32	26.20	26.01	26.43
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18625	18900	19175	18625	18900	19175
5MHz	QPSK	1	0	23.95	23.75	23.60	27.06	26.86	26.71
		1	13	24.11	23.80	24.40	27.22	26.91	27.51
		1	24	23.79	23.53	23.48	26.90	26.64	26.59
		12	0	22.93	22.90	22.70	26.04	26.01	25.81
		12	6	22.88	22.78	22.89	25.99	25.89	26.00
		12	13	22.85	22.86	22.85	25.96	25.97	25.96
		25	0	22.80	22.88	22.96	25.91	25.99	26.07
	16QAM	1	0	23.14	22.95	23.40	26.25	26.06	26.51
		1	13	23.73	22.86	24.11	26.84	25.97	27.22
		1	24	23.06	22.88	23.28	26.17	25.99	26.39
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18650	18900	19150	18650	18900	19150
10MHz	QPSK	1	0	23.97	23.76	23.63	27.08	26.87	26.74
		1	25	24.14	23.85	24.44	27.25	26.96	27.55
		1	49	23.81	23.57	23.51	26.92	26.68	26.62

	16QAM	25	0	22.96	22.95	22.74	26.07	26.06	25.85
		25	13	22.91	22.83	22.93	26.02	25.94	26.04
		25	25	22.87	22.90	22.90	25.98	26.01	26.01
		50	0	22.88	22.90	23.00	25.99	26.01	26.11
		1	0	23.16	22.98	23.42	26.27	26.09	26.53
		1	25	23.76	22.90	24.14	26.87	26.01	27.25
		1	49	23.09	22.90	23.31	26.20	26.01	26.42
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18675	18900	19125	18675	18900	19125
15MHz	QPSK	1	0	23.96	23.72	23.61	27.07	26.83	26.72
		1	38	24.12	23.84	24.41	27.23	26.95	27.52
		1	74	23.78	23.52	23.47	26.89	26.63	26.58
		36	0	22.94	22.91	22.71	26.05	26.02	25.82
		36	18	22.88	22.78	22.89	25.99	25.89	26.00
		36	39	22.84	22.87	22.86	25.95	25.98	25.97
		75	0	22.86	22.86	22.95	25.97	25.97	26.06
	16QAM	1	0	23.11	22.96	23.40	26.22	26.07	26.51
		1	38	23.74	22.87	24.12	26.85	25.98	27.23
		1	74	23.06	22.86	23.28	26.17	25.97	26.39
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				18700	18900	19100	18700	18900	19100
20MHz	QPSK	1	0	23.93	23.68	23.58	27.04	26.79	26.69
		1	50	24.11	23.80	24.39	27.22	26.91	27.50
		1	99	23.76	23.51	23.44	26.87	26.62	26.55
		50	0	22.91	22.86	22.67	26.02	25.97	25.78
		50	25	22.86	22.74	22.86	25.97	25.85	25.97
		50	50	22.81	22.82	22.82	25.92	25.93	25.93
		100	0	22.83	22.81	22.91	25.94	25.92	26.02
	16QAM	1	0	23.09	22.92	23.35	26.20	26.03	26.46
		1	50	23.70	22.85	24.08	26.81	25.96	27.19
		1	99	23.04	22.83	23.26	26.15	25.94	26.37

LTE Band 4				Conducted Power(dBm)			EIRP (dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				19957	20175	20393	19957	20175	20393
1.4MHz	QPSK	1	0	23.94	24.08	23.88	27.05	27.19	26.99
		1	2	24.02	24.12	24.05	27.13	27.23	27.16
		1	5	24.13	24.25	23.87	27.24	27.36	26.98
		3	0	24.07	23.93	23.92	27.18	27.04	27.03
		3	2	23.93	23.86	23.96	27.04	26.97	27.07
		3	3	24.03	23.83	24.02	27.14	26.94	27.13
		6	0	23.06	22.95	22.98	26.17	26.06	26.09
	16QAM	1	0	23.39	23.01	22.93	26.50	26.12	26.04

		1	2	23.48	23.49	23.12	26.59	26.60	26.23
		1	5	23.51	22.67	23.05	26.62	25.78	26.16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				19965	20175	20385	19965	20175	20385
3MHz	QPSK	1	0	24.02	24.03	24.03	27.13	27.14	27.14
		1	7	24.05	24.30	24.21	27.16	27.41	27.32
		1	14	23.91	24.06	23.81	27.02	27.17	26.92
		8	0	22.88	22.94	23.03	25.99	26.05	26.14
		8	4	22.85	22.87	22.96	25.96	25.98	26.07
		8	7	22.70	22.98	22.89	25.81	26.09	26.00
		15	0	22.79	23.06	22.93	25.90	26.17	26.04
	16QAM	1	0	22.89	22.67	23.60	26.00	25.78	26.71
		1	7	22.85	23.00	23.73	25.96	26.11	26.84
		1	14	22.69	22.94	23.49	25.80	26.05	26.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				19975	20175	20375	19975	20175	20375
5MHz	QPSK	1	0	23.99	24.01	23.99	27.10	27.12	27.10
		1	13	24.03	24.26	24.18	27.14	27.37	27.29
		1	24	23.88	24.01	23.77	26.99	27.12	26.88
		12	0	22.85	22.89	22.99	25.96	26.00	26.10
		12	6	22.83	22.83	22.91	25.94	25.94	26.02
		12	13	22.68	22.96	22.85	25.79	26.07	25.96
		25	0	22.77	23.05	22.91	25.88	26.16	26.02
	16QAM	1	0	22.86	22.63	23.57	25.97	25.74	26.68
		1	13	22.82	22.98	23.70	25.93	26.09	26.81
		1	24	22.66	22.92	23.45	25.77	26.03	26.56
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20000	20175	20350	20000	20175	20350
10MHz	QPSK	1	0	24.01	24.02	24.02	27.12	27.13	27.13
		1	25	24.06	24.31	24.22	27.17	27.42	27.33
		1	49	23.90	24.05	23.80	27.01	27.16	26.91
		25	0	22.88	22.94	23.03	25.99	26.05	26.14
		25	13	22.86	22.88	22.95	25.97	25.99	26.06
		25	25	22.70	23.00	22.90	25.81	26.11	26.01
		50	0	22.85	23.07	22.95	25.96	26.18	26.06
	16QAM	1	0	22.88	22.66	23.59	25.99	25.77	26.70
		1	25	22.85	23.02	23.73	25.96	26.13	26.84
		1	49	22.69	22.94	23.48	25.80	26.05	26.59
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20025	20175	20325	20025	20175	20325
15MHz	QPSK	1	0	24.00	23.98	24.00	27.11	27.09	27.11
		1	38	24.04	24.30	24.19	27.15	27.41	27.30
		1	74	23.87	24.00	23.76	26.98	27.11	26.87

		36	0	22.86	22.90	23.00	25.97	26.01	26.11
		36	18	22.83	22.83	22.91	25.94	25.94	26.02
		36	39	22.67	22.97	22.86	25.78	26.08	25.97
		75	0	22.83	23.03	22.90	25.94	26.14	26.01
	16QAM	1	0	22.83	22.64	23.57	25.94	25.75	26.68
		1	38	22.83	22.99	23.71	25.94	26.10	26.82
		1	74	22.66	22.90	23.45	25.77	26.01	26.56
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20050	20175	20300	20050	20175	20300
20MHz	QPSK	1	0	23.97	23.94	23.97	27.08	27.05	27.08
		1	50	24.03	24.26	24.17	27.14	27.37	27.28
		1	99	23.85	23.99	23.73	26.96	27.10	26.84
		50	0	22.83	22.85	22.96	25.94	25.96	26.07
		50	25	22.81	22.79	22.88	25.92	25.90	25.99
		50	50	22.64	22.92	22.82	25.75	26.03	25.93
		100	0	22.80	22.98	22.86	25.91	26.09	25.97
	16QAM	1	0	22.81	22.60	23.52	25.92	25.71	26.63
		1	50	22.79	22.97	23.67	25.90	26.08	26.78
		1	99	22.64	22.87	23.43	25.75	25.98	26.54

LTE Band 5				Conducted Power(dBm)			ERP(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20407	20525	20643	20407	20525	20643
1.4MHz	QPSK	1	0	23.83	23.93	23.87	21.47	21.57	21.51
		1	2	23.97	24.02	24.23	21.61	21.66	21.87
		1	5	23.76	23.94	23.92	21.40	21.58	21.56
		3	0	23.83	23.77	24.04	21.47	21.41	21.68
		3	2	23.81	23.79	24.03	21.45	21.43	21.67
		3	3	23.87	23.84	23.98	21.51	21.48	21.62
		6	0	22.86	22.86	22.95	20.50	20.50	20.59
	16QAM	1	0	23.44	22.82	22.85	21.08	20.46	20.49
		1	2	23.47	23.03	23.04	21.11	20.67	20.68
		1	5	23.29	22.83	22.84	20.93	20.47	20.48
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20415	20525	20635	20415	20525	20635
3MHz	QPSK	1	0	23.95	24.06	23.83	21.59	21.70	21.47
		1	7	24.19	24.10	24.01	21.83	21.74	21.65
		1	14	23.79	23.77	23.96	21.43	21.41	21.60
		8	0	23.13	23.07	22.92	20.77	20.71	20.56
		8	4	22.92	23.01	22.96	20.56	20.65	20.60
		8	7	22.97	23.01	23.05	20.61	20.65	20.69
		15	0	23.09	23.07	23.04	20.73	20.71	20.68
	16QAM	1	0	22.73	23.28	23.55	20.37	20.92	21.19

		1	7	23.04	23.61	24.09	20.68	21.25	21.73
		1	14	22.82	23.21	23.53	20.46	20.85	21.17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20425	20525	20625	20425	20525	20625
5MHz	QPSK	1	0	23.94	24.02	23.81	21.58	21.66	21.45
		1	13	24.17	24.09	23.98	21.81	21.73	21.62
		1	24	23.76	23.72	23.92	21.40	21.36	21.56
		12	0	23.11	23.03	22.89	20.75	20.67	20.53
		12	6	22.89	22.96	22.92	20.53	20.60	20.56
		12	13	22.94	22.98	23.01	20.58	20.62	20.65
		25	0	23.07	23.03	22.99	20.71	20.67	20.63
	16QAM	1	0	22.68	23.26	23.53	20.32	20.90	21.17
		1	13	23.02	23.58	24.07	20.66	21.22	21.71
		1	24	22.79	23.17	23.50	20.43	20.81	21.14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				20450	20525	20600	20450	20525	20600
10MHz	QPSK	1	0	23.91	23.98	23.78	21.55	21.62	21.42
		1	25	24.16	24.05	23.96	21.80	21.69	21.60
		1	49	23.74	23.71	23.89	21.38	21.35	21.53
		25	0	23.08	22.98	22.85	20.72	20.62	20.49
		25	13	22.87	22.92	22.89	20.51	20.56	20.53
		25	25	22.91	22.93	22.97	20.55	20.57	20.61
		50	0	23.04	22.98	22.95	20.68	20.62	20.59
	16QAM	1	0	22.66	23.22	23.48	20.30	20.86	21.12
		1	25	22.98	23.56	24.03	20.62	21.20	21.67
		1	49	22.77	23.14	23.48	20.41	20.78	21.12

LTE Band 12				Conducted Power(dBm)			ERP(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				23017	23095	23173	23017	23095	23173
1.4MHz	QPSK	1	0	23.76	23.95	23.57	21.40	21.59	21.21
		1	2	23.67	23.83	23.68	21.31	21.47	21.32
		1	5	23.81	23.91	23.53	21.45	21.55	21.17
		3	0	23.74	23.76	23.78	21.38	21.40	21.42
		3	2	23.58	23.71	23.69	21.22	21.35	21.33
		3	3	23.69	23.81	23.64	21.33	21.45	21.28
		6	0	22.70	22.78	22.83	20.34	20.42	20.47
	16QAM	1	0	23.53	23.16	22.71	21.17	20.80	20.35
		1	2	23.83	23.07	22.68	21.47	20.71	20.32
		1	5	23.63	22.90	22.60	21.27	20.54	20.24
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				23025	23095	23165	23025	23095	23165
3MHz	QPSK	1	0	23.92	23.75	23.64	21.56	21.39	21.28

		1	7	24.23	23.94	23.82	21.87	21.58	21.46
		1	14	23.51	23.73	23.65	21.15	21.37	21.29
		8	0	22.86	22.98	22.87	20.50	20.62	20.51
		8	4	22.99	23.03	22.68	20.63	20.67	20.32
		8	7	22.85	22.89	22.97	20.49	20.53	20.61
		15	0	22.85	22.93	22.99	20.49	20.57	20.63
	16QAM	1	0	22.59	23.27	22.84	20.23	20.91	20.48
		1	7	22.55	23.73	23.28	20.19	21.37	20.92
		1	14	22.58	23.36	22.68	20.22	21.00	20.32
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				23035	23095	23155	23035	23095	23155
5MHz	QPSK	1	0	23.91	23.71	23.62	21.55	21.35	21.26
		1	13	24.21	23.93	23.79	21.85	21.57	21.43
		1	24	23.48	23.68	23.61	21.12	21.32	21.25
		12	0	22.84	22.94	22.84	20.48	20.58	20.48
		12	6	22.96	22.98	22.64	20.60	20.62	20.28
		12	13	22.82	22.86	22.93	20.46	20.50	20.57
		25	0	22.83	22.89	22.94	20.47	20.53	20.58
	16QAM	1	0	22.54	23.25	22.82	20.18	20.89	20.46
		1	13	22.53	23.70	23.26	20.17	21.34	20.90
		1	24	22.55	23.32	22.65	20.19	20.96	20.29
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				23060	23095	23130	23060	23095	23130
10MHz	QPSK	1	0	23.88	23.67	23.59	21.52	21.31	21.23
		1	25	24.20	23.89	23.77	21.84	21.53	21.41
		1	49	23.46	23.67	23.58	21.10	21.31	21.22
		25	0	22.81	22.89	22.80	20.45	20.53	20.44
		25	13	22.94	22.94	22.61	20.58	20.58	20.25
		25	25	22.79	22.81	22.89	20.43	20.45	20.53
		50	0	22.80	22.84	22.90	20.44	20.48	20.54
	16QAM	1	0	22.52	23.21	22.77	20.16	20.85	20.41
		1	25	22.49	23.68	23.22	20.13	21.32	20.86
		1	49	22.53	23.29	22.63	20.17	20.93	20.27

LTE Band 13				Conducted Power(dBm)			ERP(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				23205	23230	23255	23205	23230	23255
5MHz	QPSK	1	0	23.73	23.60	23.61	21.37	21.24	21.25
		1	13	23.64	23.75	23.95	21.28	21.39	21.59
		1	24	23.58	23.74	23.82	21.22	21.38	21.46
		12	0	22.81	22.69	22.81	20.45	20.33	20.45
		12	6	22.65	22.71	22.83	20.29	20.35	20.47
		12	13	22.74	22.76	22.96	20.38	20.40	20.60

	16QAM	25	0	22.76	22.78	22.89	20.40	20.42	20.53
		1	0	22.88	22.86	22.46	20.52	20.50	20.10
		1	13	22.49	22.81	22.64	20.13	20.45	20.28
		1	24	23.12	22.65	22.56	20.76	20.29	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel
				/	23230	/	/	23230	/
10MHz	QPSK	1	0	/	23.61	/	/	21.25	/
		1	25	/	23.77	/	/	21.41	/
		1	49	/	23.73	/	/	21.37	/
		25	0	/	22.71	/	/	20.35	/
		25	13	/	22.73	/	/	20.37	/
		25	25	/	22.82	/	/	20.46	/
		50	0	/	22.74	/	/	20.38	/
	16QAM	1	0	/	22.98	/	/	20.62	/
		1	25	/	23.23	/	/	20.87	/
		1	49	/	23.01	/	/	20.65	/

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)
Band25	1.4M	QPSK	26047	1RB#0	23.44	26.55
Band25	1.4M	QPSK	26047	1RB#2	23.45	26.56
Band25	1.4M	QPSK	26047	1RB#5	23.40	26.51
Band25	1.4M	QPSK	26047	3RB#0	22.46	25.57
Band25	1.4M	QPSK	26047	3RB#2	22.44	25.55
Band25	1.4M	QPSK	26047	3RB#3	22.49	25.60
Band25	1.4M	QPSK	26047	6RB#0	22.42	25.53
Band25	1.4M	QPSK	26365	1RB#0	23.59	26.70
Band25	1.4M	QPSK	26365	1RB#2	23.50	26.61
Band25	1.4M	QPSK	26365	1RB#5	23.54	26.65
Band25	1.4M	QPSK	26365	3RB#0	22.58	25.69
Band25	1.4M	QPSK	26365	3RB#2	22.60	25.71
Band25	1.4M	QPSK	26365	3RB#3	22.59	25.70
Band25	1.4M	QPSK	26365	6RB#0	22.64	25.75
Band25	1.4M	QPSK	26683	1RB#0	23.30	26.41
Band25	1.4M	QPSK	26683	1RB#2	23.49	26.60
Band25	1.4M	QPSK	26683	1RB#5	23.55	26.66
Band25	1.4M	QPSK	26683	3RB#0	22.38	25.49
Band25	1.4M	QPSK	26683	3RB#2	22.43	25.54
Band25	1.4M	QPSK	26683	3RB#3	22.49	25.60
Band25	1.4M	QPSK	26683	6RB#0	22.37	25.48
Band25	1.4M	16QAM	26047	1RB#0	22.26	25.37
Band25	1.4M	16QAM	26047	1RB#2	22.41	25.52

Band25	1.4M	16QAM	26047	1RB#5	22.31	25.42
Band25	1.4M	16QAM	26047	3RB#0	21.23	24.34
Band25	1.4M	16QAM	26047	3RB#2	21.29	24.40
Band25	1.4M	16QAM	26047	3RB#3	21.36	24.47
Band25	1.4M	16QAM	26047	6RB#0	21.39	24.50
Band25	1.4M	16QAM	26365	1RB#0	21.98	25.09
Band25	1.4M	16QAM	26365	1RB#2	21.96	25.07
Band25	1.4M	16QAM	26365	1RB#5	21.90	25.01
Band25	1.4M	16QAM	26365	3RB#0	21.17	24.28
Band25	1.4M	16QAM	26365	3RB#2	21.30	24.41
Band25	1.4M	16QAM	26365	3RB#3	21.46	24.57
Band25	1.4M	16QAM	26365	6RB#0	21.56	24.67
Band25	1.4M	16QAM	26683	1RB#0	22.21	25.32
Band25	1.4M	16QAM	26683	1RB#2	22.54	25.65
Band25	1.4M	16QAM	26683	1RB#5	22.89	26.00
Band25	1.4M	16QAM	26683	3RB#0	21.16	24.27
Band25	1.4M	16QAM	26683	3RB#2	21.18	24.29
Band25	1.4M	16QAM	26683	3RB#3	21.15	24.26
Band25	1.4M	16QAM	26683	6RB#0	21.25	24.36
Band25	3M	QPSK	26055	1RB#0	23.46	26.57
Band25	3M	QPSK	26055	1RB#7	23.48	26.59
Band25	3M	QPSK	26055	1RB#14	23.43	26.54
Band25	3M	QPSK	26055	8RB#0	22.54	25.65
Band25	3M	QPSK	26055	8RB#4	22.54	25.65
Band25	3M	QPSK	26055	8RB#7	22.57	25.68
Band25	3M	QPSK	26055	15RB#0	22.45	25.56
Band25	3M	QPSK	26365	1RB#0	23.63	26.74
Band25	3M	QPSK	26365	1RB#7	23.55	26.66
Band25	3M	QPSK	26365	1RB#14	23.59	26.70
Band25	3M	QPSK	26365	8RB#0	22.68	25.79
Band25	3M	QPSK	26365	8RB#4	22.68	25.79
Band25	3M	QPSK	26365	8RB#7	22.68	25.79
Band25	3M	QPSK	26365	15RB#0	22.68	25.79
Band25	3M	QPSK	26675	1RB#0	23.33	26.44
Band25	3M	QPSK	26675	1RB#7	23.53	26.64
Band25	3M	QPSK	26675	1RB#14	23.59	26.70
Band25	3M	QPSK	26675	8RB#0	22.49	25.60
Band25	3M	QPSK	26675	8RB#4	22.53	25.64
Band25	3M	QPSK	26675	8RB#7	22.57	25.68
Band25	3M	QPSK	26675	15RB#0	22.40	25.51
Band25	3M	16QAM	26055	1RB#0	22.29	25.40
Band25	3M	16QAM	26055	1RB#7	22.44	25.55
Band25	3M	16QAM	26055	1RB#14	22.33	25.44

Band25	3M	16QAM	26055	8RB#0	21.32	24.43
Band25	3M	16QAM	26055	8RB#4	21.38	24.49
Band25	3M	16QAM	26055	8RB#7	21.44	24.55
Band25	3M	16QAM	26055	15RB#0	21.42	24.53
Band25	3M	16QAM	26365	1RB#0	22.00	25.11
Band25	3M	16QAM	26365	1RB#7	22.01	25.12
Band25	3M	16QAM	26365	1RB#14	21.94	25.05
Band25	3M	16QAM	26365	8RB#0	21.28	24.39
Band25	3M	16QAM	26365	8RB#4	21.41	24.52
Band25	3M	16QAM	26365	8RB#7	21.56	24.67
Band25	3M	16QAM	26365	15RB#0	21.60	24.71
Band25	3M	16QAM	26675	1RB#0	22.24	25.35
Band25	3M	16QAM	26675	1RB#7	22.58	25.69
Band25	3M	16QAM	26675	1RB#14	22.92	26.03
Band25	3M	16QAM	26675	8RB#0	21.26	24.37
Band25	3M	16QAM	26675	8RB#4	21.28	24.39
Band25	3M	16QAM	26675	8RB#7	21.26	24.37
Band25	3M	16QAM	26675	15RB#0	21.28	24.39
Band25	5M	QPSK	26065	1RB#0	23.41	26.52
Band25	5M	QPSK	26065	1RB#13	23.46	26.57
Band25	5M	QPSK	26065	1RB#24	23.37	26.48
Band25	5M	QPSK	26065	12RB#0	22.49	25.60
Band25	5M	QPSK	26065	12RB#6	22.50	25.61
Band25	5M	QPSK	26065	12RB#13	22.51	25.62
Band25	5M	QPSK	26065	25RB#0	22.46	25.57
Band25	5M	QPSK	26365	1RB#0	23.54	26.65
Band25	5M	QPSK	26365	1RB#13	23.51	26.62
Band25	5M	QPSK	26365	1RB#24	23.52	26.63
Band25	5M	QPSK	26365	12RB#0	22.59	25.70
Band25	5M	QPSK	26365	12RB#6	22.60	25.71
Band25	5M	QPSK	26365	12RB#13	22.62	25.73
Band25	5M	QPSK	26365	25RB#0	22.60	25.71
Band25	5M	QPSK	26665	1RB#0	23.27	26.38
Band25	5M	QPSK	26665	1RB#13	23.49	26.60
Band25	5M	QPSK	26665	1RB#24	23.51	26.62
Band25	5M	QPSK	26665	12RB#0	22.42	25.53
Band25	5M	QPSK	26665	12RB#6	22.45	25.56
Band25	5M	QPSK	26665	12RB#13	22.50	25.61
Band25	5M	QPSK	26665	25RB#0	22.33	25.44
Band25	5M	16QAM	26065	1RB#0	22.21	25.32
Band25	5M	16QAM	26065	1RB#13	22.38	25.49
Band25	5M	16QAM	26065	1RB#24	22.28	25.39
Band25	5M	16QAM	26065	12RB#0	21.27	24.38

Band25	5M	16QAM	26065	12RB#6	21.31	24.42
Band25	5M	16QAM	26065	12RB#13	21.39	24.50
Band25	5M	16QAM	26065	25RB#0	21.38	24.49
Band25	5M	16QAM	26365	1RB#0	21.93	25.04
Band25	5M	16QAM	26365	1RB#13	21.98	25.09
Band25	5M	16QAM	26365	1RB#24	21.87	24.98
Band25	5M	16QAM	26365	12RB#0	21.23	24.34
Band25	5M	16QAM	26365	12RB#6	21.33	24.44
Band25	5M	16QAM	26365	12RB#13	21.47	24.58
Band25	5M	16QAM	26365	25RB#0	21.52	24.63
Band25	5M	16QAM	26665	1RB#0	22.16	25.27
Band25	5M	16QAM	26665	1RB#13	22.52	25.63
Band25	5M	16QAM	26665	1RB#24	22.86	25.97
Band25	5M	16QAM	26665	12RB#0	21.21	24.32
Band25	5M	16QAM	26665	12RB#6	21.20	24.31
Band25	5M	16QAM	26665	12RB#13	21.19	24.30
Band25	5M	16QAM	26665	25RB#0	21.20	24.31
Band25	10M	QPSK	26090	1RB#0	23.61	26.72
Band25	10M	QPSK	26090	1RB#25	23.62	26.73
Band25	10M	QPSK	26090	1RB#49	23.75	26.86
Band25	10M	QPSK	26090	25RB#0	22.54	25.65
Band25	10M	QPSK	26090	25RB#13	22.50	25.61
Band25	10M	QPSK	26090	25RB#25	22.55	25.66
Band25	10M	QPSK	26090	50RB#0	22.61	25.72
Band25	10M	QPSK	26365	1RB#0	23.55	26.66
Band25	10M	QPSK	26365	1RB#25	23.72	26.83
Band25	10M	QPSK	26365	1RB#49	23.47	26.58
Band25	10M	QPSK	26365	25RB#0	22.64	25.75
Band25	10M	QPSK	26365	25RB#13	22.66	25.77
Band25	10M	QPSK	26365	25RB#25	22.67	25.78
Band25	10M	QPSK	26365	50RB#0	22.67	25.78
Band25	10M	QPSK	26640	1RB#0	23.65	26.76
Band25	10M	QPSK	26640	1RB#25	23.69	26.80
Band25	10M	QPSK	26640	1RB#49	23.70	26.81
Band25	10M	QPSK	26640	25RB#0	22.66	25.77
Band25	10M	QPSK	26640	25RB#13	22.51	25.62
Band25	10M	QPSK	26640	25RB#25	22.38	25.49
Band25	10M	QPSK	26640	50RB#0	22.52	25.63
Band25	10M	16QAM	26090	1RB#0	22.83	25.94
Band25	10M	16QAM	26090	1RB#25	23.35	26.46
Band25	10M	16QAM	26090	1RB#49	22.91	26.02
Band25	10M	16QAM	26090	25RB#0	21.47	24.58
Band25	10M	16QAM	26090	25RB#13	21.52	24.63

Band25	10M	16QAM	26090	25RB#25	21.59	24.70
Band25	10M	16QAM	26090	50RB#0	/	/
Band25	10M	16QAM	26365	1RB#0	22.93	26.04
Band25	10M	16QAM	26365	1RB#25	23.02	26.13
Band25	10M	16QAM	26365	1RB#49	22.38	25.49
Band25	10M	16QAM	26365	25RB#0	21.57	24.68
Band25	10M	16QAM	26365	25RB#13	21.58	24.69
Band25	10M	16QAM	26365	25RB#25	21.60	24.71
Band25	10M	16QAM	26365	50RB#0	/	/
Band25	10M	16QAM	26640	1RB#0	22.88	25.99
Band25	10M	16QAM	26640	1RB#25	23.22	26.33
Band25	10M	16QAM	26640	1RB#49	22.40	25.51
Band25	10M	16QAM	26640	25RB#0	21.55	24.66
Band25	10M	16QAM	26640	25RB#13	21.43	24.54
Band25	10M	16QAM	26640	25RB#25	21.37	24.48
Band25	10M	16QAM	26640	50RB#0	/	/
Band25	15M	QPSK	26115	1RB#0	23.50	26.61
Band25	15M	QPSK	26115	1RB#38	23.57	26.68
Band25	15M	QPSK	26115	1RB#74	23.45	26.56
Band25	15M	QPSK	26115	36RB#0	22.60	25.71
Band25	15M	QPSK	26115	36RB#18	22.60	25.71
Band25	15M	QPSK	26115	36RB#39	22.58	25.69
Band25	15M	QPSK	26115	75RB#0	22.61	25.72
Band25	15M	QPSK	26365	1RB#0	23.55	26.66
Band25	15M	QPSK	26365	1RB#38	23.50	26.61
Band25	15M	QPSK	26365	1RB#74	23.41	26.52
Band25	15M	QPSK	26365	36RB#0	22.63	25.74
Band25	15M	QPSK	26365	36RB#18	22.60	25.71
Band25	15M	QPSK	26365	36RB#39	22.58	25.69
Band25	15M	QPSK	26365	75RB#0	22.61	25.72
Band25	15M	QPSK	26615	1RB#0	23.46	26.57
Band25	15M	QPSK	26615	1RB#38	23.78	26.89
Band25	15M	QPSK	26615	1RB#74	23.45	26.56
Band25	15M	QPSK	26615	36RB#0	22.58	25.69
Band25	15M	QPSK	26615	36RB#18	22.41	25.52
Band25	15M	QPSK	26615	36RB#39	22.34	25.45
Band25	15M	QPSK	26615	75RB#0	22.53	25.64
Band25	15M	16QAM	26115	1RB#0	23.09	26.20
Band25	15M	16QAM	26115	1RB#38	23.13	26.24
Band25	15M	16QAM	26115	1RB#74	22.98	26.09
Band25	15M	16QAM	26115	36RB#0	/	/
Band25	15M	16QAM	26115	36RB#18	/	/
Band25	15M	16QAM	26115	36RB#39	/	/

Band25	15M	16QAM	26115	75RB#0	/	/
Band25	15M	16QAM	26365	1RB#0	23.19	26.30
Band25	15M	16QAM	26365	1RB#38	23.13	26.24
Band25	15M	16QAM	26365	1RB#74	23.06	26.17
Band25	15M	16QAM	26365	36RB#0	/	/
Band25	15M	16QAM	26365	36RB#18	/	/
Band25	15M	16QAM	26365	36RB#39	/	/
Band25	15M	16QAM	26365	75RB#0	/	/
Band25	15M	16QAM	26615	1RB#0	23.11	26.22
Band25	15M	16QAM	26615	1RB#38	23.07	26.18
Band25	15M	16QAM	26615	1RB#74	22.89	26.00
Band25	15M	16QAM	26615	36RB#0	/	/
Band25	15M	16QAM	26615	36RB#18	/	/
Band25	15M	16QAM	26615	36RB#39	/	/
Band25	15M	16QAM	26615	75RB#0	/	/
Band25	20M	QPSK	26140	1RB#0	23.28	26.39
Band25	20M	QPSK	26140	1RB#50	23.89	27.00
Band25	20M	QPSK	26140	1RB#99	23.32	26.43
Band25	20M	QPSK	26140	50RB#0	22.68	25.79
Band25	20M	QPSK	26140	50RB#25	22.60	25.71
Band25	20M	QPSK	26140	50RB#50	22.55	25.66
Band25	20M	QPSK	26140	100RB#0	22.51	25.62
Band25	20M	QPSK	26365	1RB#0	23.18	26.29
Band25	20M	QPSK	26365	1RB#50	24.00	27.11
Band25	20M	QPSK	26365	1RB#99	23.31	26.42
Band25	20M	QPSK	26365	50RB#0	22.74	25.85
Band25	20M	QPSK	26365	50RB#25	22.70	25.81
Band25	20M	QPSK	26365	50RB#50	22.67	25.78
Band25	20M	QPSK	26365	100RB#0	22.63	25.74
Band25	20M	QPSK	26590	1RB#0	23.82	26.93
Band25	20M	QPSK	26590	1RB#50	23.88	26.99
Band25	20M	QPSK	26590	1RB#99	23.50	26.61
Band25	20M	QPSK	26590	50RB#0	22.49	25.60
Band25	20M	QPSK	26590	50RB#25	22.41	25.52
Band25	20M	QPSK	26590	50RB#50	22.34	25.45
Band25	20M	QPSK	26590	100RB#0	22.43	25.54
Band25	20M	16QAM	26140	1RB#0	22.50	25.61
Band25	20M	16QAM	26140	1RB#50	23.21	26.32
Band25	20M	16QAM	26140	1RB#99	22.57	25.68
Band25	20M	16QAM	26140	50RB#0	/	/
Band25	20M	16QAM	26140	50RB#25	/	/
Band25	20M	16QAM	26140	50RB#50	/	/
Band25	20M	16QAM	26140	100RB#0	/	/

Band25	20M	16QAM	26365	1RB#0	22.74	25.85
Band25	20M	16QAM	26365	1RB#50	23.26	26.37
Band25	20M	16QAM	26365	1RB#99	22.82	25.93
Band25	20M	16QAM	26365	50RB#0	/	/
Band25	20M	16QAM	26365	50RB#25	/	/
Band25	20M	16QAM	26365	50RB#50	/	/
Band25	20M	16QAM	26365	100RB#0	/	/
Band25	20M	16QAM	26590	1RB#0	21.82	24.93
Band25	20M	16QAM	26590	1RB#50	22.49	25.60
Band25	20M	16QAM	26590	1RB#99	21.91	25.02
Band25	20M	16QAM	26590	50RB#0	/	/
Band25	20M	16QAM	26590	50RB#25	/	/
Band25	20M	16QAM	26590	50RB#50	/	/
Band25	20M	16QAM	26590	100RB#0	/	/

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)
Band26-part22	1.4M	QPSK	26797	1RB#0	24.03	21.67
Band26-part22	1.4M	QPSK	26797	1RB#2	23.84	21.48
Band26-part22	1.4M	QPSK	26797	1RB#5	23.67	21.31
Band26-part22	1.4M	QPSK	26797	3RB#0	22.86	20.50
Band26-part22	1.4M	QPSK	26797	3RB#2	22.82	20.46
Band26-part22	1.4M	QPSK	26797	3RB#3	22.85	20.49
Band26-part22	1.4M	QPSK	26797	6RB#0	22.74	20.38
Band26-part22	1.4M	QPSK	26915	1RB#0	23.71	21.35
Band26-part22	1.4M	QPSK	26915	1RB#2	23.77	21.41
Band26-part22	1.4M	QPSK	26915	1RB#5	23.74	21.38
Band26-part22	1.4M	QPSK	26915	3RB#0	22.75	20.39
Band26-part22	1.4M	QPSK	26915	3RB#2	22.73	20.37
Band26-part22	1.4M	QPSK	26915	3RB#3	22.67	20.31
Band26-part22	1.4M	QPSK	26915	6RB#0	22.73	20.37
Band26-part22	1.4M	QPSK	27033	1RB#0	23.58	21.22
Band26-part22	1.4M	QPSK	27033	1RB#2	23.61	21.25
Band26-part22	1.4M	QPSK	27033	1RB#5	23.54	21.18
Band26-part22	1.4M	QPSK	27033	3RB#0	22.66	20.30
Band26-part22	1.4M	QPSK	27033	3RB#2	22.67	20.31
Band26-part22	1.4M	QPSK	27033	3RB#3	22.66	20.30
Band26-part22	1.4M	QPSK	27033	6RB#0	22.69	20.33
Band26-part22	1.4M	16QAM	26797	1RB#0	23.00	20.64
Band26-part22	1.4M	16QAM	26797	1RB#2	23.23	20.87
Band26-part22	1.4M	16QAM	26797	1RB#5	23.29	20.93
Band26-part22	1.4M	16QAM	26797	3RB#0	21.61	19.25
Band26-part22	1.4M	16QAM	26797	3RB#2	21.58	19.22

Band26-part22	1.4M	16QAM	26797	3RB#3	21.62	19.26
Band26-part22	1.4M	16QAM	26797	6RB#0	21.75	19.39
Band26-part22	1.4M	16QAM	26915	1RB#0	22.44	20.08
Band26-part22	1.4M	16QAM	26915	1RB#2	22.38	20.02
Band26-part22	1.4M	16QAM	26915	1RB#5	22.49	20.13
Band26-part22	1.4M	16QAM	26915	3RB#0	21.70	19.34
Band26-part22	1.4M	16QAM	26915	3RB#2	21.72	19.36
Band26-part22	1.4M	16QAM	26915	3RB#3	21.71	19.35
Band26-part22	1.4M	16QAM	26915	6RB#0	21.79	19.43
Band26-part22	1.4M	16QAM	27033	1RB#0	22.15	19.79
Band26-part22	1.4M	16QAM	27033	1RB#2	22.35	19.99
Band26-part22	1.4M	16QAM	27033	1RB#5	22.00	19.64
Band26-part22	1.4M	16QAM	27033	3RB#0	21.42	19.06
Band26-part22	1.4M	16QAM	27033	3RB#2	21.48	19.12
Band26-part22	1.4M	16QAM	27033	3RB#3	21.49	19.13
Band26-part22	1.4M	16QAM	27033	6RB#0	21.72	19.36
Band26-part22	3M	QPSK	26805	1RB#0	24.05	21.69
Band26-part22	3M	QPSK	26805	1RB#7	23.87	21.51
Band26-part22	3M	QPSK	26805	1RB#14	23.70	21.34
Band26-part22	3M	QPSK	26805	8RB#0	22.94	20.58
Band26-part22	3M	QPSK	26805	8RB#4	22.92	20.56
Band26-part22	3M	QPSK	26805	8RB#7	22.93	20.57
Band26-part22	3M	QPSK	26805	15RB#0	22.77	20.41
Band26-part22	3M	QPSK	26915	1RB#0	23.75	21.39
Band26-part22	3M	QPSK	26915	1RB#7	23.82	21.46
Band26-part22	3M	QPSK	26915	1RB#14	23.79	21.43
Band26-part22	3M	QPSK	26915	8RB#0	22.85	20.49
Band26-part22	3M	QPSK	26915	8RB#4	22.81	20.45
Band26-part22	3M	QPSK	26915	8RB#7	22.76	20.40
Band26-part22	3M	QPSK	26915	15RB#0	22.77	20.41
Band26-part22	3M	QPSK	27025	1RB#0	23.61	21.25
Band26-part22	3M	QPSK	27025	1RB#7	23.65	21.29
Band26-part22	3M	QPSK	27025	1RB#14	23.58	21.22
Band26-part22	3M	QPSK	27025	8RB#0	22.77	20.41
Band26-part22	3M	QPSK	27025	8RB#4	22.77	20.41
Band26-part22	3M	QPSK	27025	8RB#7	22.74	20.38
Band26-part22	3M	QPSK	27025	15RB#0	22.72	20.36
Band26-part22	3M	16QAM	26805	1RB#0	23.03	20.67
Band26-part22	3M	16QAM	26805	1RB#7	23.26	20.90
Band26-part22	3M	16QAM	26805	1RB#14	23.31	20.95
Band26-part22	3M	16QAM	26805	8RB#0	21.70	19.34
Band26-part22	3M	16QAM	26805	8RB#4	21.67	19.31
Band26-part22	3M	16QAM	26805	8RB#7	21.70	19.34

Band26-part22	3M	16QAM	26805	15RB#0	21.78	19.42
Band26-part22	3M	16QAM	26915	1RB#0	22.46	20.10
Band26-part22	3M	16QAM	26915	1RB#7	22.43	20.07
Band26-part22	3M	16QAM	26915	1RB#14	22.53	20.17
Band26-part22	3M	16QAM	26915	8RB#0	21.81	19.45
Band26-part22	3M	16QAM	26915	8RB#4	21.83	19.47
Band26-part22	3M	16QAM	26915	8RB#7	21.81	19.45
Band26-part22	3M	16QAM	26915	15RB#0	21.83	19.47
Band26-part22	3M	16QAM	27025	1RB#0	22.18	19.82
Band26-part22	3M	16QAM	27025	1RB#7	22.39	20.03
Band26-part22	3M	16QAM	27025	1RB#14	22.03	19.67
Band26-part22	3M	16QAM	27025	8RB#0	21.52	19.16
Band26-part22	3M	16QAM	27025	8RB#4	21.58	19.22
Band26-part22	3M	16QAM	27025	8RB#7	21.60	19.24
Band26-part22	3M	16QAM	27025	15RB#0	21.75	19.39
Band26-part22	5M	QPSK	26815	1RB#0	24.00	21.64
Band26-part22	5M	QPSK	26815	1RB#13	23.85	21.49
Band26-part22	5M	QPSK	26815	1RB#24	23.64	21.28
Band26-part22	5M	QPSK	26815	12RB#0	22.89	20.53
Band26-part22	5M	QPSK	26815	12RB#6	22.88	20.52
Band26-part22	5M	QPSK	26815	12RB#13	22.87	20.51
Band26-part22	5M	QPSK	26815	25RB#0	22.78	20.42
Band26-part22	5M	QPSK	26915	1RB#0	23.66	21.30
Band26-part22	5M	QPSK	26915	1RB#13	23.78	21.42
Band26-part22	5M	QPSK	26915	1RB#24	23.72	21.36
Band26-part22	5M	QPSK	26915	12RB#0	22.76	20.40
Band26-part22	5M	QPSK	26915	12RB#6	22.73	20.37
Band26-part22	5M	QPSK	26915	12RB#13	22.70	20.34
Band26-part22	5M	QPSK	26915	25RB#0	22.69	20.33
Band26-part22	5M	QPSK	27015	1RB#0	23.55	21.19
Band26-part22	5M	QPSK	27015	1RB#13	23.61	21.25
Band26-part22	5M	QPSK	27015	1RB#24	23.50	21.14
Band26-part22	5M	QPSK	27015	12RB#0	22.70	20.34
Band26-part22	5M	QPSK	27015	12RB#6	22.69	20.33
Band26-part22	5M	QPSK	27015	12RB#13	22.67	20.31
Band26-part22	5M	QPSK	27015	25RB#0	22.65	20.29
Band26-part22	5M	16QAM	26815	1RB#0	22.95	20.59
Band26-part22	5M	16QAM	26815	1RB#13	23.20	20.84
Band26-part22	5M	16QAM	26815	1RB#24	23.26	20.90
Band26-part22	5M	16QAM	26815	12RB#0	21.65	19.29
Band26-part22	5M	16QAM	26815	12RB#6	21.60	19.24
Band26-part22	5M	16QAM	26815	12RB#13	21.65	19.29
Band26-part22	5M	16QAM	26815	25RB#0	21.74	19.38

Band26-part22	5M	16QAM	26915	1RB#0	22.39	20.03
Band26-part22	5M	16QAM	26915	1RB#13	22.40	20.04
Band26-part22	5M	16QAM	26915	1RB#24	22.46	20.10
Band26-part22	5M	16QAM	26915	12RB#0	21.76	19.40
Band26-part22	5M	16QAM	26915	12RB#6	21.75	19.39
Band26-part22	5M	16QAM	26915	12RB#13	21.72	19.36
Band26-part22	5M	16QAM	26915	25RB#0	21.75	19.39
Band26-part22	5M	16QAM	27015	1RB#0	22.10	19.74
Band26-part22	5M	16QAM	27015	1RB#13	22.33	19.97
Band26-part22	5M	16QAM	27015	1RB#24	21.97	19.61
Band26-part22	5M	16QAM	27015	12RB#0	21.47	19.11
Band26-part22	5M	16QAM	27015	12RB#6	21.50	19.14
Band26-part22	5M	16QAM	27015	12RB#13	21.53	19.17
Band26-part22	5M	16QAM	27015	25RB#0	21.67	19.31
Band26-part22	10M	QPSK	26840	1RB#0	23.83	21.47
Band26-part22	10M	QPSK	26840	1RB#25	23.81	21.45
Band26-part22	10M	QPSK	26840	1RB#49	23.75	21.39
Band26-part22	10M	QPSK	26840	25RB#0	22.79	20.43
Band26-part22	10M	QPSK	26840	25RB#13	22.81	20.45
Band26-part22	10M	QPSK	26840	25RB#25	22.85	20.49
Band26-part22	10M	QPSK	26840	50RB#0	22.93	20.57
Band26-part22	10M	QPSK	26915	1RB#0	23.82	21.46
Band26-part22	10M	QPSK	26915	1RB#25	23.77	21.41
Band26-part22	10M	QPSK	26915	1RB#49	23.63	21.27
Band26-part22	10M	QPSK	26915	25RB#0	22.78	20.42
Band26-part22	10M	QPSK	26915	25RB#13	22.73	20.37
Band26-part22	10M	QPSK	26915	25RB#25	22.71	20.35
Band26-part22	10M	QPSK	26915	50RB#0	22.75	20.39
Band26-part22	10M	QPSK	26990	1RB#0	23.64	21.28
Band26-part22	10M	QPSK	26990	1RB#25	23.88	21.52
Band26-part22	10M	QPSK	26990	1RB#49	23.60	21.24
Band26-part22	10M	QPSK	26990	25RB#0	22.75	20.39
Band26-part22	10M	QPSK	26990	25RB#13	22.74	20.38
Band26-part22	10M	QPSK	26990	25RB#25	22.73	20.37
Band26-part22	10M	QPSK	26990	50RB#0	22.76	20.40
Band26-part22	10M	16QAM	26840	1RB#0	23.01	20.65
Band26-part22	10M	16QAM	26840	1RB#25	23.46	21.10
Band26-part22	10M	16QAM	26840	1RB#49	23.02	20.66
Band26-part22	10M	16QAM	26840	25RB#0	21.85	19.49
Band26-part22	10M	16QAM	26840	25RB#13	21.81	19.45
Band26-part22	10M	16QAM	26840	25RB#25	21.84	19.48
Band26-part22	10M	16QAM	26840	50RB#0	/	/
Band26-part22	10M	16QAM	26915	1RB#0	23.40	21.04

Band26-part22	10M	16QAM	26915	1RB#25	23.22	20.86
Band26-part22	10M	16QAM	26915	1RB#49	23.10	20.74
Band26-part22	10M	16QAM	26915	25RB#0	21.66	19.30
Band26-part22	10M	16QAM	26915	25RB#13	21.73	19.37
Band26-part22	10M	16QAM	26915	25RB#25	21.82	19.46
Band26-part22	10M	16QAM	26915	50RB#0	/	/
Band26-part22	10M	16QAM	26990	1RB#0	23.36	21.00
Band26-part22	10M	16QAM	26990	1RB#25	23.31	20.95
Band26-part22	10M	16QAM	26990	1RB#49	22.99	20.63
Band26-part22	10M	16QAM	26990	25RB#0	21.82	19.46
Band26-part22	10M	16QAM	26990	25RB#13	21.78	19.42
Band26-part22	10M	16QAM	26990	25RB#25	21.69	19.33
Band26-part22	10M	16QAM	26990	50RB#0	/	/
Band26-part22	15M	QPSK	26865	1RB#0	23.79	21.43
Band26-part22	15M	QPSK	26865	1RB#38	24.02	21.66
Band26-part22	15M	QPSK	26865	1RB#74	23.78	21.42
Band26-part22	15M	QPSK	26865	36RB#0	22.90	20.54
Band26-part22	15M	QPSK	26865	36RB#18	22.85	20.49
Band26-part22	15M	QPSK	26865	36RB#39	22.82	20.46
Band26-part22	15M	QPSK	26865	75RB#0	22.80	20.44
Band26-part22	15M	QPSK	26915	1RB#0	23.75	21.39
Band26-part22	15M	QPSK	26915	1RB#38	23.58	21.22
Band26-part22	15M	QPSK	26915	1RB#74	23.59	21.23
Band26-part22	15M	QPSK	26915	36RB#0	22.87	20.51
Band26-part22	15M	QPSK	26915	36RB#18	22.81	20.45
Band26-part22	15M	QPSK	26915	36RB#39	22.74	20.38
Band26-part22	15M	QPSK	26915	75RB#0	22.78	20.42
Band26-part22	15M	QPSK	26965	1RB#0	23.66	21.30
Band26-part22	15M	QPSK	26965	1RB#38	23.54	21.18
Band26-part22	15M	QPSK	26965	1RB#74	23.50	21.14
Band26-part22	15M	QPSK	26965	36RB#0	22.69	20.33
Band26-part22	15M	QPSK	26965	36RB#18	22.72	20.36
Band26-part22	15M	QPSK	26965	36RB#39	22.70	20.34
Band26-part22	15M	QPSK	26965	75RB#0	22.75	20.39
Band26-part22	15M	16QAM	26865	1RB#0	22.52	20.16
Band26-part22	15M	16QAM	26865	1RB#38	22.60	20.24
Band26-part22	15M	16QAM	26865	1RB#74	22.62	20.26
Band26-part22	15M	16QAM	26865	36RB#0	/	/
Band26-part22	15M	16QAM	26865	36RB#18	/	/
Band26-part22	15M	16QAM	26865	36RB#39	/	/
Band26-part22	15M	16QAM	26865	75RB#0	/	/
Band26-part22	15M	16QAM	26915	1RB#0	23.38	21.02
Band26-part22	15M	16QAM	26915	1RB#38	23.27	20.91

Band26-part22	15M	16QAM	26915	1RB#74	23.03	20.67
Band26-part22	15M	16QAM	26915	36RB#0	/	/
Band26-part22	15M	16QAM	26915	36RB#18	/	/
Band26-part22	15M	16QAM	26915	36RB#39	/	/
Band26-part22	15M	16QAM	26915	75RB#0	/	/
Band26-part22	15M	16QAM	26965	1RB#0	22.55	20.19
Band26-part22	15M	16QAM	26965	1RB#38	22.46	20.10
Band26-part22	15M	16QAM	26965	1RB#74	22.34	19.98
Band26-part22	15M	16QAM	26965	36RB#0	/	/
Band26-part22	15M	16QAM	26965	36RB#18	/	/
Band26-part22	15M	16QAM	26965	36RB#39	/	/
Band26-part22	15M	16QAM	26965	75RB#0	/	/

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP(dBm)
Band26-part90	1.4M	QPSK	26697	1RB#0	23.89	21.53
Band26-part90	1.4M	QPSK	26697	1RB#2	24.07	21.71
Band26-part90	1.4M	QPSK	26697	1RB#5	23.71	21.35
Band26-part90	1.4M	QPSK	26697	3RB#0	22.89	20.53
Band26-part90	1.4M	QPSK	26697	3RB#2	22.81	20.45
Band26-part90	1.4M	QPSK	26697	3RB#3	22.83	20.47
Band26-part90	1.4M	QPSK	26697	6RB#0	22.84	20.48
Band26-part90	1.4M	QPSK	26740	1RB#0	23.96	21.60
Band26-part90	1.4M	QPSK	26740	1RB#2	23.66	21.30
Band26-part90	1.4M	QPSK	26740	1RB#5	23.63	21.27
Band26-part90	1.4M	QPSK	26740	3RB#0	22.83	20.47
Band26-part90	1.4M	QPSK	26740	3RB#2	22.80	20.44
Band26-part90	1.4M	QPSK	26740	3RB#3	22.69	20.33
Band26-part90	1.4M	QPSK	26740	6RB#0	22.79	20.43
Band26-part90	1.4M	QPSK	26783	1RB#0	23.86	21.50
Band26-part90	1.4M	QPSK	26783	1RB#2	23.63	21.27
Band26-part90	1.4M	QPSK	26783	1RB#5	23.71	21.35
Band26-part90	1.4M	QPSK	26783	3RB#0	22.67	20.31
Band26-part90	1.4M	QPSK	26783	3RB#2	22.73	20.37
Band26-part90	1.4M	QPSK	26783	3RB#3	22.77	20.41
Band26-part90	1.4M	QPSK	26783	6RB#0	22.80	20.44
Band26-part90	1.4M	16QAM	26697	1RB#0	23.19	20.83
Band26-part90	1.4M	16QAM	26697	1RB#2	23.02	20.66
Band26-part90	1.4M	16QAM	26697	1RB#5	22.90	20.54
Band26-part90	1.4M	16QAM	26697	3RB#0	21.87	19.51
Band26-part90	1.4M	16QAM	26697	3RB#2	21.88	19.52
Band26-part90	1.4M	16QAM	26697	3RB#3	21.85	19.49
Band26-part90	1.4M	16QAM	26697	6RB#0	21.83	19.47

Band26-part90	1.4M	16QAM	26740	1RB#0	22.73	20.37
Band26-part90	1.4M	16QAM	26740	1RB#2	22.46	20.10
Band26-part90	1.4M	16QAM	26740	1RB#5	22.42	20.06
Band26-part90	1.4M	16QAM	26740	3RB#0	21.67	19.31
Band26-part90	1.4M	16QAM	26740	3RB#2	21.65	19.29
Band26-part90	1.4M	16QAM	26740	3RB#3	21.63	19.27
Band26-part90	1.4M	16QAM	26740	6RB#0	21.75	19.39
Band26-part90	1.4M	16QAM	26783	1RB#0	23.10	20.74
Band26-part90	1.4M	16QAM	26783	1RB#2	23.16	20.80
Band26-part90	1.4M	16QAM	26783	1RB#5	23.15	20.79
Band26-part90	1.4M	16QAM	26783	3RB#0	21.52	19.16
Band26-part90	1.4M	16QAM	26783	3RB#2	21.58	19.22
Band26-part90	1.4M	16QAM	26783	3RB#3	21.58	19.22
Band26-part90	1.4M	16QAM	26783	6RB#0	21.87	19.51
Band26-part90	3M	QPSK	26705	1RB#0	23.91	21.55
Band26-part90	3M	QPSK	26705	1RB#7	24.10	21.74
Band26-part90	3M	QPSK	26705	1RB#14	23.74	21.38
Band26-part90	3M	QPSK	26705	8RB#0	22.97	20.61
Band26-part90	3M	QPSK	26705	8RB#4	22.91	20.55
Band26-part90	3M	QPSK	26705	8RB#7	22.91	20.55
Band26-part90	3M	QPSK	26705	15RB#0	22.87	20.51
Band26-part90	3M	QPSK	26740	1RB#0	24.00	21.64
Band26-part90	3M	QPSK	26740	1RB#7	23.71	21.35
Band26-part90	3M	QPSK	26740	1RB#14	23.68	21.32
Band26-part90	3M	QPSK	26740	8RB#0	22.93	20.57
Band26-part90	3M	QPSK	26740	8RB#4	22.88	20.52
Band26-part90	3M	QPSK	26740	8RB#7	22.78	20.42
Band26-part90	3M	QPSK	26740	15RB#0	22.83	20.47
Band26-part90	3M	QPSK	26775	1RB#0	23.89	21.53
Band26-part90	3M	QPSK	26775	1RB#7	23.67	21.31
Band26-part90	3M	QPSK	26775	1RB#14	23.75	21.39
Band26-part90	3M	QPSK	26775	8RB#0	22.78	20.42
Band26-part90	3M	QPSK	26775	8RB#4	22.83	20.47
Band26-part90	3M	QPSK	26775	8RB#7	22.85	20.49
Band26-part90	3M	QPSK	26775	15RB#0	22.83	20.47
Band26-part90	3M	16QAM	26705	1RB#0	23.22	20.86
Band26-part90	3M	16QAM	26705	1RB#7	23.05	20.69
Band26-part90	3M	16QAM	26705	1RB#14	22.92	20.56
Band26-part90	3M	16QAM	26705	8RB#0	21.96	19.60
Band26-part90	3M	16QAM	26705	8RB#4	21.97	19.61
Band26-part90	3M	16QAM	26705	8RB#7	21.93	19.57
Band26-part90	3M	16QAM	26705	15RB#0	21.86	19.50
Band26-part90	3M	16QAM	26740	1RB#0	22.75	20.39

Band26-part90	3M	16QAM	26740	1RB#7	22.51	20.15
Band26-part90	3M	16QAM	26740	1RB#14	22.46	20.10
Band26-part90	3M	16QAM	26740	8RB#0	21.78	19.42
Band26-part90	3M	16QAM	26740	8RB#4	21.76	19.40
Band26-part90	3M	16QAM	26740	8RB#7	21.73	19.37
Band26-part90	3M	16QAM	26740	15RB#0	21.79	19.43
Band26-part90	3M	16QAM	26775	1RB#0	23.13	20.77
Band26-part90	3M	16QAM	26775	1RB#7	23.20	20.84
Band26-part90	3M	16QAM	26775	1RB#14	23.18	20.82
Band26-part90	3M	16QAM	26775	8RB#0	21.62	19.26
Band26-part90	3M	16QAM	26775	8RB#4	21.68	19.32
Band26-part90	3M	16QAM	26775	8RB#7	21.69	19.33
Band26-part90	3M	16QAM	26775	15RB#0	21.90	19.54
Band26-part90	5M	QPSK	26715	1RB#0	23.86	21.50
Band26-part90	5M	QPSK	26715	1RB#13	24.08	21.72
Band26-part90	5M	QPSK	26715	1RB#24	23.68	21.32
Band26-part90	5M	QPSK	26715	12RB#0	22.92	20.56
Band26-part90	5M	QPSK	26715	12RB#6	22.87	20.51
Band26-part90	5M	QPSK	26715	12RB#13	22.85	20.49
Band26-part90	5M	QPSK	26715	25RB#0	22.88	20.52
Band26-part90	5M	QPSK	26740	1RB#0	23.91	21.55
Band26-part90	5M	QPSK	26740	1RB#13	23.67	21.31
Band26-part90	5M	QPSK	26740	1RB#24	23.61	21.25
Band26-part90	5M	QPSK	26740	12RB#0	22.84	20.48
Band26-part90	5M	QPSK	26740	12RB#6	22.80	20.44
Band26-part90	5M	QPSK	26740	12RB#13	22.72	20.36
Band26-part90	5M	QPSK	26740	25RB#0	22.75	20.39
Band26-part90	5M	QPSK	26765	1RB#0	23.83	21.47
Band26-part90	5M	QPSK	26765	1RB#13	23.63	21.27
Band26-part90	5M	QPSK	26765	1RB#24	23.67	21.31
Band26-part90	5M	QPSK	26765	12RB#0	22.71	20.35
Band26-part90	5M	QPSK	26765	12RB#6	22.75	20.39
Band26-part90	5M	QPSK	26765	12RB#13	22.78	20.42
Band26-part90	5M	QPSK	26765	25RB#0	22.76	20.40
Band26-part90	5M	16QAM	26715	1RB#0	23.14	20.78
Band26-part90	5M	16QAM	26715	1RB#13	22.99	20.63
Band26-part90	5M	16QAM	26715	1RB#24	22.87	20.51
Band26-part90	5M	16QAM	26715	12RB#0	21.91	19.55
Band26-part90	5M	16QAM	26715	12RB#6	21.90	19.54
Band26-part90	5M	16QAM	26715	12RB#13	21.88	19.52
Band26-part90	5M	16QAM	26715	25RB#0	21.82	19.46
Band26-part90	5M	16QAM	26740	1RB#0	22.68	20.32
Band26-part90	5M	16QAM	26740	1RB#13	22.48	20.12

Band26-part90	5M	16QAM	26740	1RB#24	22.39	20.03
Band26-part90	5M	16QAM	26740	12RB#0	21.73	19.37
Band26-part90	5M	16QAM	26740	12RB#6	21.68	19.32
Band26-part90	5M	16QAM	26740	12RB#13	21.64	19.28
Band26-part90	5M	16QAM	26740	25RB#0	21.71	19.35
Band26-part90	5M	16QAM	26765	1RB#0	23.05	20.69
Band26-part90	5M	16QAM	26765	1RB#13	23.14	20.78
Band26-part90	5M	16QAM	26765	1RB#24	23.12	20.76
Band26-part90	5M	16QAM	26765	12RB#0	21.57	19.21
Band26-part90	5M	16QAM	26765	12RB#6	21.60	19.24
Band26-part90	5M	16QAM	26765	12RB#13	21.62	19.26
Band26-part90	5M	16QAM	26765	25RB#0	21.82	19.46
Band26-part90	10M	QPSK	26740	1RB#0	23.76	21.40
Band26-part90	10M	QPSK	26740	1RB#25	23.76	21.40
Band26-part90	10M	QPSK	26740	1RB#49	23.56	21.20
Band26-part90	10M	QPSK	26740	25RB#0	22.88	20.52
Band26-part90	10M	QPSK	26740	25RB#13	22.82	20.46
Band26-part90	10M	QPSK	26740	25RB#25	22.79	20.43
Band26-part90	10M	QPSK	26740	50RB#0	22.90	20.54
Band26-part90	10M	16QAM	26740	1RB#0	23.05	20.69
Band26-part90	10M	16QAM	26740	1RB#25	23.30	20.94
Band26-part90	10M	16QAM	26740	1RB#49	23.06	20.70
Band26-part90	10M	16QAM	26740	25RB#0	21.92	19.56
Band26-part90	10M	16QAM	26740	25RB#13	21.80	19.44
Band26-part90	10M	16QAM	26740	25RB#25	21.70	19.34
Band26-part90	10M	16QAM	26740	50RB#0	/	/

6.2. Radiated Spurious Emission

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.

WCDMA Band II CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-55.49	2.60	12.50	Vertical	-45.59	-13.00	32.59	95
3	5640.00	-42.38	3.30	12.50	Vertical	-33.18	-13.00	20.18	15
4	7520.00	-51.47	4.20	12.20	Vertical	-43.47	-13.00	30.47	20
5	9400.00	-51.61	4.30	11.10	Vertical	-44.81	-13.00	31.81	32
6	11280.00	-49.45	5.90	11.90	Vertical	-43.45	-13.00	30.45	120
7	13160.00	-49.48	5.70	14.00	Vertical	-41.18	-13.00	28.18	120
8	15040.00	-50.90	5.80	13.10	Vertical	-43.60	-13.00	30.60	15
9	16920.00	-50.58	6.10	14.60	Vertical	-42.08	-13.00	29.08	20
10	18800.00	--	--	--	Vertical	--	--	--	--

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 Vertical position.

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.20	-59.29	2.70	12.70	Vertical	-49.29	-13.00	36.29	52
3	5197.80	-64.82	3.20	12.50	Vertical	-55.52	-13.00	42.52	62
4	6930.40	-60.37	4.20	11.80	Vertical	-52.77	-13.00	39.77	120
5	8663.00	-64.17	4.40	12.50	Vertical	-56.07	-13.00	43.07	30
6	10395.60	-61.07	4.70	11.30	Vertical	-54.47	-13.00	41.47	58
7	12128.20	-61.08	5.20	13.80	Vertical	-52.48	-13.00	39.48	95
8	13860.80	-56.82	5.70	11.30	Vertical	-51.22	-13.00	38.22	20
9	15593.40	-65.73	6.10	16.80	Vertical	-55.03	-13.00	42.03	159
10	17326.00	-60.99	6.10	14.20	Vertical	-52.89	-13.00	39.89	62

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 Vertical position.

WCDMA Band V CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1671.20	-57.67	1.70	8.70	Vertical	-52.82	-13.00	39.82	180
3	2510.40	-61.71	2.30	12.00	Vertical	-54.16	-13.00	41.16	32
4	3346.40	-66.30	2.70	12.70	Vertical	-58.45	-13.00	45.45	65
5	4183.00	-62.75	3.00	12.50	Vertical	-55.40	-13.00	42.40	152
6	5019.60	-60.95	3.40	12.50	Vertical	-54.00	-13.00	41.00	30
7	5856.20	-59.68	3.40	12.80	Vertical	-52.43	-13.00	39.43	25
8	6692.80	-54.84	4.10	11.50	Vertical	-49.59	-13.00	36.59	85
9	7529.40	-51.35	4.20	12.20	Vertical	-45.50	-13.00	32.50	65
10	8366.00	-53.81	4.30	12.50	Vertical	-47.76	-13.00	34.76	20

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 Vertical position.

LTE Band 2 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3759.00	-52.84	2.60	12.50	Vertical	-42.94	-13.00	29.94	71
3	5638.88	-33.05	3.30	12.50	Vertical	-23.85	-13.00	10.85	42
4	7520.00	-46.25	4.20	12.20	Vertical	-38.25	-13.00	25.25	20
5	9400.00	-46.04	4.30	11.10	Vertical	-39.24	-13.00	26.24	63
6	11280.00	-49.08	5.90	11.90	Vertical	-43.08	-13.00	30.08	120
7	13160.00	-50.87	5.70	14.00	Vertical	-42.57	-13.00	29.57	85
8	15040.00	-50.87	5.80	13.10	Vertical	-43.57	-13.00	30.57	90
9	16920.00	-50.48	6.10	14.60	Vertical	-41.98	-13.00	28.98	62
10	18800.00		6.00	10.10	Vertical	/	-13.00	/	/

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 Vertical position.

LTE Band 2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.63	-49.37	2.60	12.50	Vertical	-39.47	-13.00	26.47	65
3	5633.63	-33.81	3.30	12.50	Vertical	-24.61	-13.00	11.61	78
4	7510.00	-43.87	4.20	12.20	Vertical	-35.87	-13.00	22.87	95
5	9387.50	-45.75	4.30	11.10	Vertical	-38.95	-13.00	25.95	120
6	11265.00	-47.10	5.90	11.90	Vertical	-41.10	-13.00	28.10	35
7	13142.00	-48.88	5.70	14.00	Vertical	-40.58	-13.00	27.58	62
8	15020.00	-51.16	5.80	13.10	Vertical	-43.86	-13.00	30.86	20
9	16897.50	-50.74	6.10	14.60	Vertical	-42.24	-13.00	29.24	159
10	18800.00		6.00	10.10	Vertical	/	-13.00	/	/

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 Vertical position.

LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-54.17	2.70	12.70	Vertical	-44.17	-13.00	31.17	65
3	5191.50	-49.88	3.20	12.50	Vertical	-40.58	-13.00	27.58	120
4	6930.00	-52.95	4.20	11.80	Vertical	-45.35	-13.00	32.35	30
5	8662.50	-59.67	4.40	12.50	Vertical	-51.57	-13.00	38.57	45
6	10380.00	-57.87	4.70	11.30	Vertical	-51.27	-13.00	38.27	120
7	12110.00	-61.20	5.20	13.80	Vertical	-52.60	-13.00	39.60	65
8	13840.00	-55.47	5.70	11.30	Vertical	-49.87	-13.00	36.87	89
9	15570.00	-64.12	6.10	16.80	Vertical	-53.42	-13.00	40.42	95
10	17300.00	-60.70	6.10	14.20	Vertical	-52.60	-13.00	39.60	120

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 Vertical position.

LTE Band 5 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1668.60	-52.60	1.70	8.70	Vertical	-47.75	-13.00	34.75	65
3	2503.30	-54.64	2.30	12.00	Vertical	-47.09	-13.00	34.09	120
4	3337.50	-42.80	2.70	12.70	Vertical	-34.95	-13.00	21.95	52
5	4171.88	-42.70	3.00	12.50	Vertical	-35.35	-13.00	22.35	120
6	5006.25	-37.03	3.40	12.50	Vertical	-30.08	-13.00	17.08	98
7	5840.63	-34.84	3.40	12.80	Vertical	-27.59	-13.00	14.59	95
8	6675.00	-33.14	4.10	11.50	Vertical	-27.89	-13.00	14.89	10
9	7509.38	-30.93	4.20	12.20	Vertical	-25.08	-13.00	12.08	30
10	8343.75	-33.22	4.30	12.50	Vertical	-27.17	-13.00	14.17	157

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 Vertical position.

LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-62.22	1.70	8.70	Vertical	-57.37	-13.00	44.37	65
3	2115.90	-61.51	2.10	11.10	Vertical	-54.66	-13.00	41.66	20
4	2820.00	-64.96	2.30	13.10	Vertical	-56.31	-13.00	43.31	30
5	3525.00	-43.54	2.60	12.70	Vertical	-35.59	-13.00	22.59	52
6	4230.00	-40.32	3.30	12.50	Vertical	-33.27	-13.00	20.27	62
7	4935.00	-41.51	3.40	12.50	Vertical	-34.56	-13.00	21.56	30
8	5640.00	-40.09	3.30	12.50	Vertical	-33.04	-13.00	20.04	15
9	6345.00	-35.03	3.80	11.50	Vertical	-29.48	-13.00	16.48	98
10	7050.00	-32.23	4.20	11.80	Vertical	-26.78	-13.00	13.78	125

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 Vertical position.

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1559.85	-57.42	1.70	8.70	Vertical	-50.42	-40.00	10.42	20
3	2339.40	-63.59	2.10	12.00	Vertical	-55.84	-13.00	42.84	0
4	3118.00	-44.05	2.30	13.10	Vertical	-35.40	-13.00	22.40	85
5	3897.50	-41.78	2.90	12.50	Vertical	-34.33	-13.00	21.33	62
6	4677.00	-40.11	3.10	12.50	Vertical	-32.86	-13.00	19.86	10
7	5456.50	-38.76	3.30	12.50	Vertical	-31.71	-13.00	18.71	32
8	6236.00	-36.93	3.50	12.80	Vertical	-29.78	-13.00	16.78	85
9	7015.50	-31.90	4.20	11.80	Vertical	-26.45	-13.00	13.45	120
10	7795.00	-33.28	4.40	12.30	Vertical	-27.53	-13.00	14.53	65

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 Vertical position.

LTE Band 25 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.80	-52.27	2.60	12.50	Vertical	-42.37	-13.00	29.37	65
3	5641.30	-34.19	3.30	12.50	Vertical	-24.99	-13.00	11.99	120
4	7530.00	-46.75	4.20	12.20	Vertical	-38.75	-13.00	25.75	98
5	9412.50	-48.06	4.30	11.10	Vertical	-41.26	-13.00	28.26	52
6	11295.00	-49.29	5.90	11.90	Vertical	-43.29	-13.00	30.29	62
7	13177.50	-49.77	5.70	14.00	Vertical	-41.47	-13.00	28.47	15
8	15060.00	-50.27	5.80	13.10	Vertical	-42.97	-13.00	29.97	47
9	16942.50	-50.83	6.10	14.60	Vertical	-42.33	-13.00	29.33	20
10	18825.00		6.00	10.10	Vertical	/	/	/	/

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 Vertical position.

LTE Band 26(Part 22) 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1668.00	-52.79	1.70	8.70	Vertical	-47.94	-13.00	34.94	20
3	2502.00	-56.95	2.30	12.00	Vertical	-49.40	-13.00	36.40	120
4	3336.00	-65.07	2.70	12.70	Vertical	-57.22	-13.00	44.22	52
5	4170.00	-61.25	3.00	12.50	Vertical	-53.90	-13.00	40.90	120
6	5004.00	-58.29	3.40	12.50	Vertical	-51.34	-13.00	38.34	65
7	5838.00	-51.55	3.40	12.80	Vertical	-44.30	-13.00	31.30	85
8	6672.00	-53.41	4.10	11.50	Vertical	-48.16	-13.00	35.16	62
9	7506.00	-49.04	4.20	12.20	Vertical	-43.19	-13.00	30.19	130
10	8340.00	-52.45	4.30	12.50	Vertical	-46.40	-13.00	33.40	78

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 Vertical position.

LTE Band 26(Part 90) 5MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1633.00	-51.84	1.70	8.70	Vertical	-46.99	-13.00	33.99	65
3	2449.50	-57.49	2.30	12.00	Vertical	-49.94	-13.00	36.94	120
4	3266.00	-64.99	2.20	13.10	Vertical	-56.24	-13.00	43.24	52
5	4082.50	-57.65	3.00	12.50	Vertical	-50.30	-13.00	37.30	13
6	4899.00	-61.03	3.10	12.50	Vertical	-53.78	-13.00	40.78	65
7	5715.50	-55.32	3.40	12.50	Vertical	-48.37	-13.00	35.37	78
8	6532.00	-53.54	3.80	11.50	Vertical	-47.99	-13.00	34.99	90
9	7348.50	-49.52	4.20	12.20	Vertical	-43.67	-13.00	30.67	56
10	8165.00	-50.33	4.30	12.30	Vertical	-44.48	-13.00	31.48	123

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 Vertical position.

7. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
RF cable	Wuhan Champion Electronics	LA810-NMSM-7.5M	24067755	2024-12-14	2025-12-13
RF cable	Wuhan Champion Electronics	LA810-NMNM-2M	24065754	2024-12-14	2025-12-13
Spectrum Analyzer	R&S	FSV30	100815	2024-12-02	2025-12-01
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2022-09-29	2025-09-28
Horn Antenna	SCHWARZBECK	BBHA 9120D	1594	2023-12-05	2026-12-04
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance is submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos is submitted separately.

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