



**CFR 47 FCC PART 22 H  
CFR 47 FCC PART 24 E  
CFR 47 FCC PART 27**

## **TEST REPORT**

*For*

**LTE MODULE**

**MODEL NUMBER: EG25-G**

**REPORT NUMBER: 4791806224-1-RF-1**

**ISSUE DATE: July 12, 2025**

**FCC ID: 2A46G-EG25-G**

*Prepared for*

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	July 12, 2025	Initial Issue	

## Note:

1. This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
2. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 22 H >< CFR 47 FCC PART 24 E> > < CFR 47 FCC PART 27 > < when < Simple Acceptance > decision rule is applied.
3. This test report includes radiated test results and conducted power test results due to the change of GSM/WCDMA/LTE antenna from the original model (FCC ID: 2A46G-EG25-G).

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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: Guangzhou Xaircraft Technology CO., LTD.  
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GUANGDONG SHENG 510663 CHINA

### Manufacturer Information

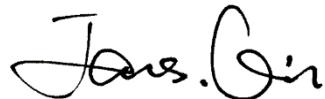
Company Name: Guangzhou Xaircraft Technology CO., LTD.  
Address: BLOCK C, 115 GAOPU RD, TIANHE DIST GUANGZHOU,  
GUANGDONG SHENG 510663 CHINA

### EUT Information

EUT Name: LTE MODULE  
Model: EG25-G  
Sample Received Date: May 23, 2025  
Sample Status: Normal  
Sample ID: 8526717  
Date of Tested: May 24, 2025 to July 11, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 22 H	PASS
CFR 47 FCC PART 24 E	PASS
CFR 47 FCC PART 27	PASS

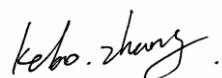
Prepared By:



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James Qin  
Project Engineer

Checked By:



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Kebo Zhang  
Senior Project Engineer

Approved By:



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Stephen Guo  
Operations Manager

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.26-2015, 971168 D01 Power Meas License Digital Systems v03r01, 971168 D02 Misc Rev Approv License Devices v02r01, 412172 D01 v01r01 Determining ERP and EIRP, CFR 47 FCC Part 2, Part 22 H, Part 24 E, Part 27.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p><b>VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202</p>
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

### 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 40 GHz)	5.78 dB (1 GHz-18 GHz) 5.23dB (18 GHz-26 GHz) 5.64 dB (26 GHz-40 GHz)
Bandwidth	1.1 %

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

EUT Name	LTE MODULE
Model	EG25-G

### 5.2. TEST CHANNEL CONFIGURATION

Band	Mode	Low	Middle	High
GSM850	GRPS/EGPRS	128	190	251
		824.2 MHz	836.6 MHz	848.8 MHz
GSM1900	GRPS/EGPRS	512	661	810
		1850.2 MHz	1880.0 MHz	1909.8 MHz
WCDMA Band 2	HSDPA/HSUPA	9262	9400	9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
WCDMA Band 4	HSDPA/HSUPA	1312	1413	1513
		1712.4 MHz	1732.6 MHz	1752.6 MHz
WCDMA Band 5	HSDPA/HSUPA	4132	4183	4233
		826.4 MHz	836.4 MHz	846.6 MHz

### 5.3. MAXIMUM AVERAGE OUTPUT POWER

<b>GSM 850</b>	
Part 22	
ERP Limit(W)	7
Antenna Gain (dBi)	0.85

Mode	Frequency Range (MHz)	Conducted Average Power (dBm)	ERP (W)	99% OBW (MHz)	Emission Designator
GPRS/EGPRS (GMSK)	824.2 ~ 848.8	33.82	1.786	0.245	245KGXW
EGPRS (8PSK)	824.2 ~ 848.8	26.62	0.340	0.245	245KG7W

<b>GSM 1900</b>	
Part 24	
EIRP Limit(W)	2
Antenna Gain (dBi)	2.69

Mode	Frequency Range (MHz)	Conducted Average Power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
GPRS/EGPRS (GMSK)	1850.2 ~ 1909.8	28.28	1.250	0.243	243KGXW
EGPRS (8PSK)	1850.2 ~ 1909.8	23.84	0.450	0.246	246KG7W

<b>WCDMA Band2</b>	
Part 24 / RSS-133	
EIRP Limit(W)	2
Antenna Gain (dBi)	2.69

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL. 99		20.99	0.233	4.137	4M14F9W
HSDPA		20.22	0.195	4.144	4M14F9W
HSUPA		20.31	0.200	4.132	4M13F9W

<b>WCDMA Band4</b>	
Part 27 / RSS-139	
EIRP Limit(W)	1
Antenna Gain (dBi)	1.91

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL. 99		21.77	0.233	4.131	4M13F9W
HSDPA		20.86	0.189	4.140	4M14F9W
HSUPA		20.94	0.193	4.130	4M13F9W

WCDMA Band5	
Part 22 / RSS-132	
EIRP Limit(W)	1
Antenna Gain (dBi)	0.85

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL. 99	826.4~ 846.6	23.61	0.170	4.131	4M13F9W
HSDPA		22.53	0.133	4.140	4M14F9W
HSUPA		22.66	0.137	4.130	4M13F9W

#### 5.4. WORST-CASE CONFIGURATION AND MODE

The radiated spurious emissions measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that X orientation was the worst-case orientation.

Radiated spurious emissions were investigated below 30 MHz, 30 MHz - 1 GHz and above 1 GHz. There were no emissions found on below 1GHz and above 18 GHz, the emissions between 1 GHz – 18 GHz were tested the highest transmitting power channel and the worse configuration.

For GSM850/1900, GPRS worst results are shown in test report. For WCDMA, HSDPA worst results are shown in test report.

The EUT have three kinds of antenna and have the same antenna type, only the worst-case antenna data record in this report.

## 5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Antenna Type	Remark
Main	FPC	MAIN Antenna
Div.	FPC	DIV Antenna

Antenna	Band	Antenna Type	MAX Antenna Gain (dBi) Model: AN0827-FPC162GX	MAX Antenna Gain (dBi) Model: AN0827-FPC167BX
Main	GSM850	FPC	0.85	0.85
	GSM1900	FPC	2.69	2.69
	WCDMA Band 2	FPC	2.69	2.69
	WCDMA Band 4	FPC	1.91	1.91
	WCDMA Band 5	FPC	0.85	0.85

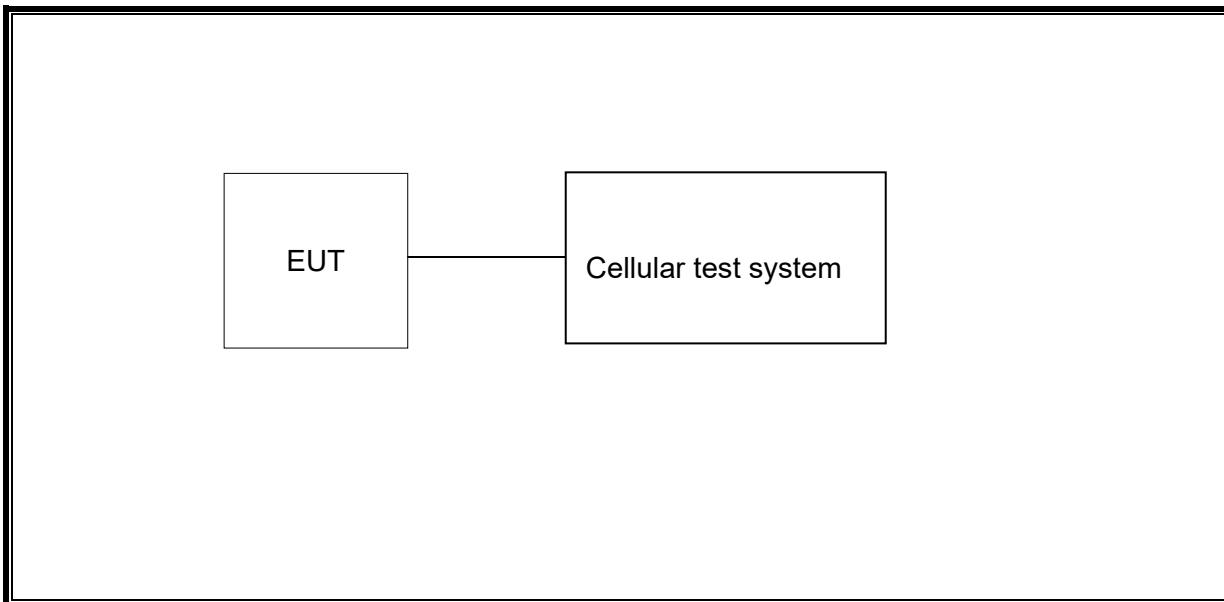
Note:

1. The value of the antenna gain was declared by customer.
2. There are two antenna manufacturers, the antenna model are different, only a pair of one of the two model is used at a time.

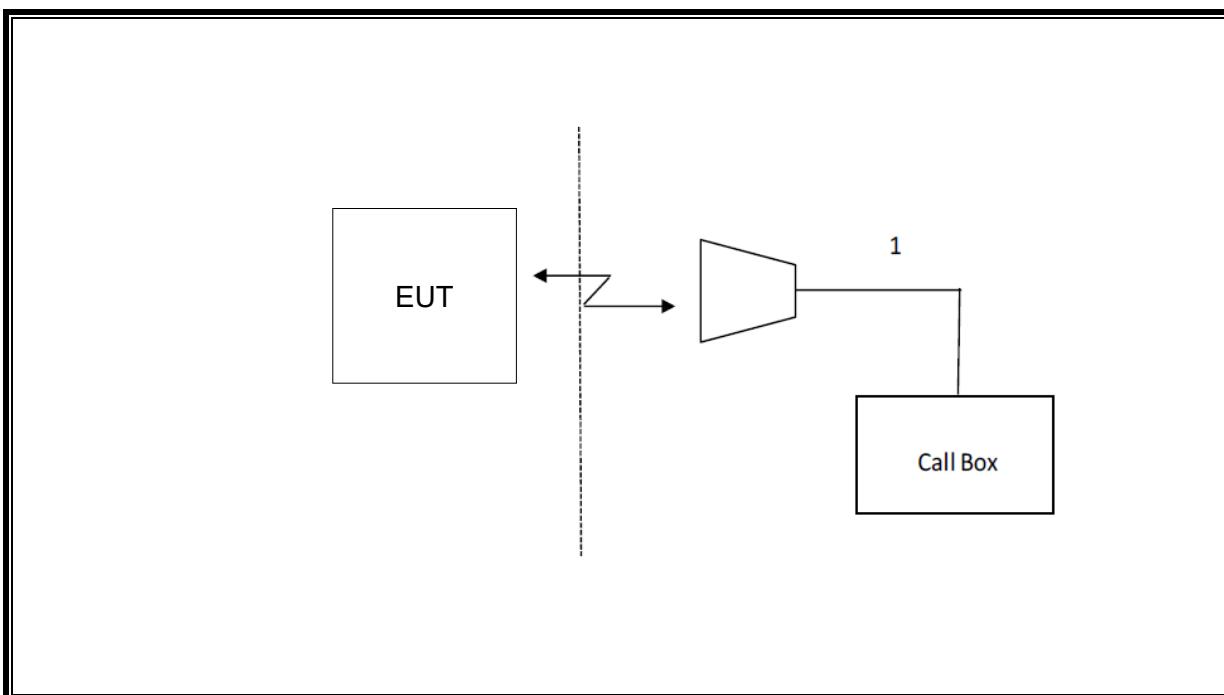
Band	Transmit and Receive Mode	Description
GSM850	<input checked="" type="checkbox"/> 1TX, 2RX	Main antenna can be used as transmitting/receiving antenna, Div. antenna can be used as receiving antenna.
GSM1900	<input checked="" type="checkbox"/> 1TX, 2RX	Main antenna can be used as transmitting/receiving antenna, Div. antenna can be used as receiving antenna.
WCDMA Band 2	<input checked="" type="checkbox"/> 1TX, 2RX	Main antenna can be used as transmitting/receiving antenna, Div. antenna can be used as receiving antenna.
WCDMA Band 4	<input checked="" type="checkbox"/> 1TX, 2RX	Main antenna can be used as transmitting/receiving antenna, Div. antenna can be used as receiving antenna.
WCDMA Band 5	<input checked="" type="checkbox"/> 1TX, 2RX	Main antenna can be used as transmitting/receiving antenna, Div. antenna can be used as receiving antenna.

## 5.6. DESCRIPTION OF TEST SETUP

Conducted



Radiated



## 6. MEASURING INSTRUMENT AND SOFTWARE USED

Antenna Terminal Test										
Instrument										
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.				
<input checked="" type="checkbox"/>	Spectrum Analyzer	R&S	FSV40	101118	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	Wideband Radio Communication Tester	R&S	CMW500	155523	Nov.01, 2024	Oct.31, 2025				
<input checked="" type="checkbox"/>	DC Power Supply	Array	3662A	A1512015	Sep.28, 2024	Sep.27, 2025				
Software										
Used	Description		Manufacturer	Name		Version				
<input checked="" type="checkbox"/>	Tonsend Cellular Test System		Tonsend	JS1120 RF Auto Test System		3.1.46				
Radiated Test										
Instrument										
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.				
<input checked="" type="checkbox"/>	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130958	Dec.13, 2024	Dec.12, 2027				
<input checked="" type="checkbox"/>	Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	Horn Antenna	TDK	HRN-0118	130940	Dec.12, 2024	Dec.11, 2027				
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025				
<input checked="" type="checkbox"/>	Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027				
<input checked="" type="checkbox"/>	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	/	/				
Software										
Used	Description		Manufacturer	Name		Version				
<input checked="" type="checkbox"/>	Test Software for Radiated disturbance		Farad	EZ-EMC		Ver. UL-3A1				

## 7. ANTENNA TERMINAL TEST RESULTS

### 7.1. EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

#### RULE PART(S)

FCC: §2.1046, §22.913, §24.232, §27.50

#### LIMITS

22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(c) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

27.50(c) 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.

27.50(d) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watts EIRP.

27.50(h) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

#### TEST PROCEDURE

Refer to ANSI C63.26:2015 and KDB 971168 D01 Section 5.6

ERP/ EIRP = PMeas + GT – LC

where:

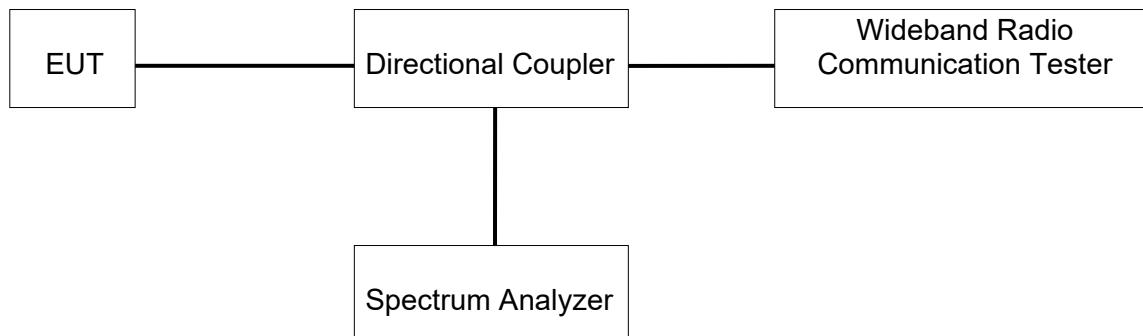
ERP or EIRP = effective or equivalent isotropically radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB

The transmitter has a maximum radiated ERP / EIRP output powers as follows:

**TEST SETUP****TEST ENVIRONMENT**

Temperature	23.1°C	Relative Humidity	63.8%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65 V

**RESULTS**

## GSM 850

GSM850		Channel No.	Channel No.	Channel No.
		128	190	251
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		824.2	836.6	848.8
GPRS/EGPRS (GMSK)	1 TimeSlot	31.90	33.82	33.82
	2 TimeSlots	31.89	32.12	32.12
	3 TimeSlots	30.65	30.75	30.75
	4 TimeSlots	29.28	29.06	29.06
EGPRS (8PSK)	1 TimeSlot	26.62	26.30	26.30
	2 TimeSlots	25.42	25.12	25.12
	3 TimeSlots	23.85	23.43	23.43
	4 TimeSlots	22.67	22.38	22.38

## GSM 1900

GSM1900		Channel No.	Channel No.	Channel No.
		512	661	810
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		1850.2	1880	1909.8
GPRS/EGPRS (GMSK)	1 TimeSlot	26.73	27.28	28.28
	2 TimeSlots	25.51	26.01	27.46
	3 TimeSlots	23.84	24.19	25.26
	4 TimeSlots	22.9	23.26	24.19
EGPRS (8PSK)	1 TimeSlot	22.35	22.79	23.84
	2 TimeSlots	21.54	21.92	22.86
	3 TimeSlots	20.12	20.4	21.38
	4 TimeSlots	18.74	19.03	19.99

## WCDMA B2

Band II		Channel No.	Channel No.	Channel No.
		9262	9400	9538
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		1852.4	1880	1907.6
WCDMA	12.2kbps RMC	20.67	20.99	20.99
HSDPA	Subtest 1	19.78	20.17	20.07
	Subtest 2	19.85	20.22	20.11
	Subtest 3	19.92	20.18	20.21
	Subtest 4	19.90	20.22	20.20
HSUPA	Subtest 1	19.76	19.61	18.19
	Subtest 2	18.25	17.70	18.54
	Subtest 3	18.70	18.18	18.71
	Subtest 4	15.02	16.17	15.71
	Subtest 5	19.52	20.31	19.57

**WCDMA B4**

Band IV		Channel No.	Channel No.	Channel No.
		1312	1413	1513
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		1712.4	1732.6	1752.6
WCDMA	12.2kbps RMC	20.15	21.58	21.77
HSDPA	Subtest 1	19.18	20.55	20.83
	Subtest 2	19.13	20.61	20.82
	Subtest 3	19.18	20.63	20.86
	Subtest 4	20.32	20.64	20.72
HSUPA	Subtest 1	19.46	19.97	20.10
	Subtest 2	18.14	19.41	18.84
	Subtest 3	17.70	19.49	19.51
	Subtest 4	18.49	19.55	19.94
	Subtest 5	19.74	20.63	20.94

**WCDMA B5**

Band		Channel No.	Channel No.	Channel No.
		4132	4183	4233
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		826.4	836.4	846.6
WCDMA	12.2kbps RMC	23.61	23.43	23.2
HSDPA	Subtest 1	22.45	22.42	22.37
	Subtest 2	22.48	22.42	22.37
	Subtest 3	22.48	22.46	22.39
	Subtest 4	22.53	22.48	22.42
HSUPA	Subtest 1	22.36	22.46	22
	Subtest 2	21.47	21.05	21.01
	Subtest 3	21.76	21.54	21.37
	Subtest 4	22.1	21.55	21.42
	Subtest 5	22.66	22.63	22.53

## 8. RADIATED SPURIOUS EMISSIONS

### RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53.

### LIMIT

Part §22.917(a), §24.238(a), §27.53(h)

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.

## **TEST PROCEDURE**

According to the C 63.26-2015 section 5.5.2.2.3

Below 1GHz test procedure as below:

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

Above 1GHz test procedure as below:

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The height scan of the measurement antenna shall be varied from 1 m to 4 m in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When using the direct field strength method and the EUT is manipulated through three different orientations, then the scan height range of the measurement antenna is limited to 2.5 m, or 0.5 m above the top of the EUT, whichever is higher.

## **Radiated Power Measurement Calculation According to ANSI C63.26-2015**

a)  $E (\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level } (\text{dB}\mu\text{V}) + \text{Cable Loss } (\text{dB}) + \text{Antenna Factor } (\text{dB}/\text{m})$ .

b)  $E (\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level } (\text{dBm}) + 107 + \text{Cable Loss } (\text{dB}) + \text{Antenna Factor } (\text{dB}/\text{m})$ .

c)  $E (\text{dB}\mu\text{V}/\text{m}) = \text{EIRP } (\text{dBm}) - 20\log(D) + 104.8$ ; where D is the measurement distance (in the far field region) in m.

d)  $\text{EIRP } (\text{dBm}) = E (\text{dB}\mu\text{V}/\text{m}) + 20\log(D) - 104.8$ ; where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is usually at 3m, then  $20\log(3) = 9.5424$

Then,  $\text{EIRP } (\text{dBm}) = E (\text{dB}\mu\text{V}/\text{m}) + 9.5424 - 104.8 = E (\text{dB}\mu\text{V}/\text{m}) - 95.2576$

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

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

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

$= -13 \text{ dBm}$ .

$\text{EIRP[dBm]} = E[\text{dB}\mu\text{V}/\text{m}] - 95.25$

$E[\text{dB}\mu\text{V}/\text{m}] = 95.25 + \text{EIRP[dBm]}$

$E[\text{dB}\mu\text{V}/\text{m}] = 82.25$

NOTE 1: Radiated spurious emissions were investigated below 30 MHz, 30 MHz – 1 GHz and above 1 GHz. There were no emissions found on below 30 MHz and 30 MHz – 1 GHz.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.

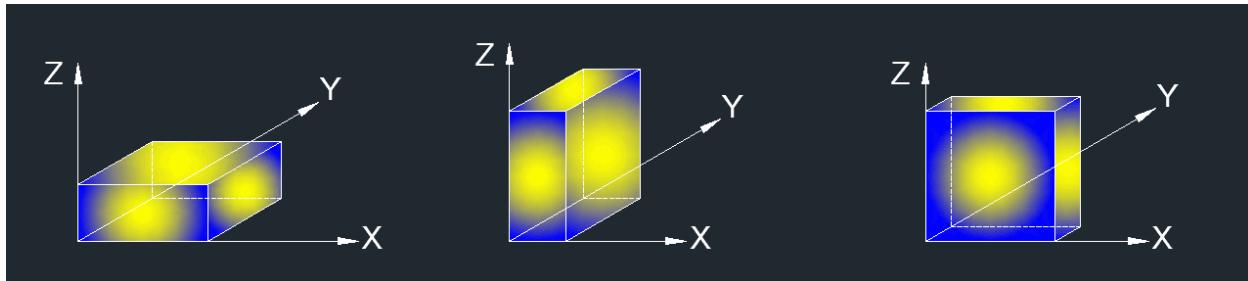
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

NOTE 2: Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

NOTE 3: All the test modes have been tested, only the worst data record in the report.

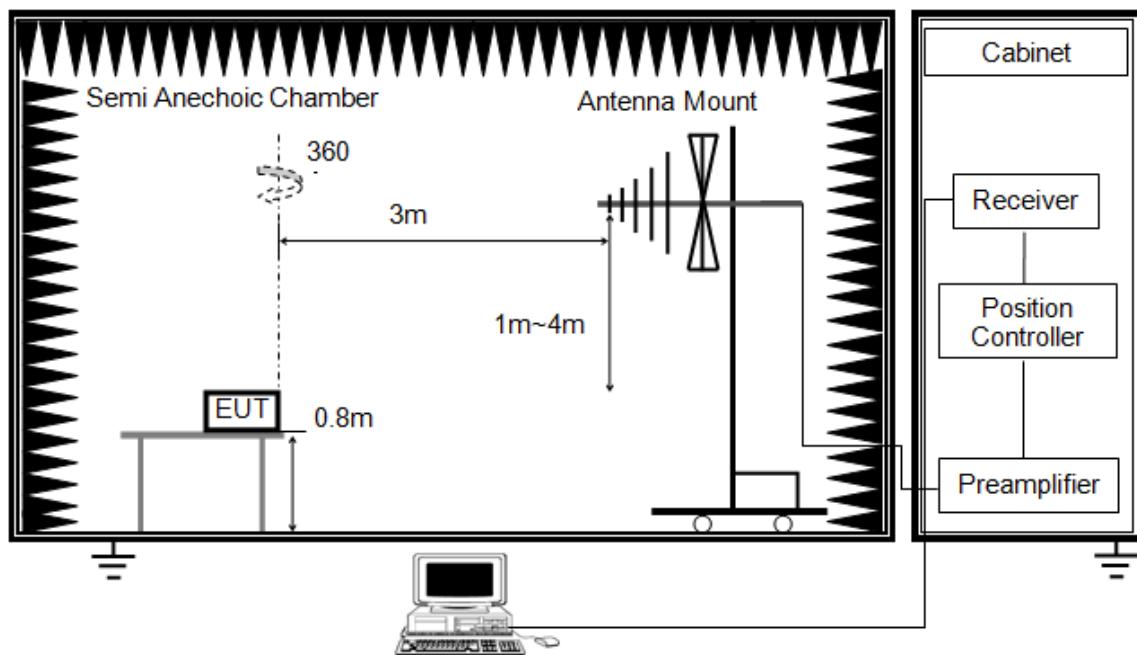
Note 4: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

X axis, Y axis, Z axis positions:

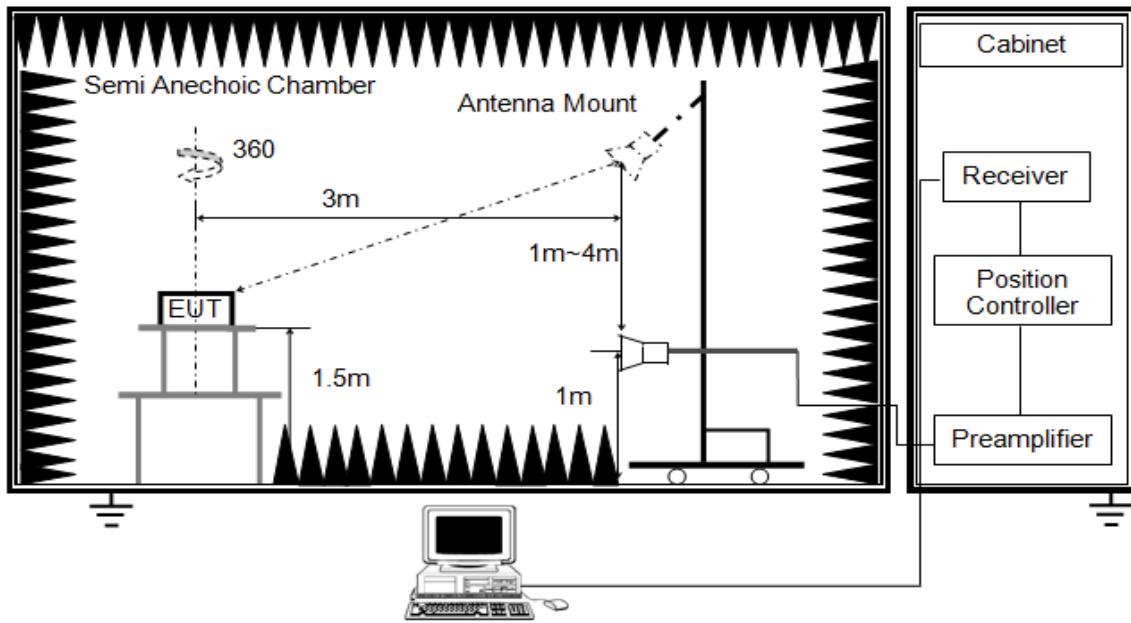


## TEST SETUP

Test Setup for Below 1 GHz



Test Setup for Above 1 GHz



## TEST ENVIRONMENT

Temperature	24.3°C	Relative Humidity	61%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65 V

## **RESULTS**

**GSM 850**

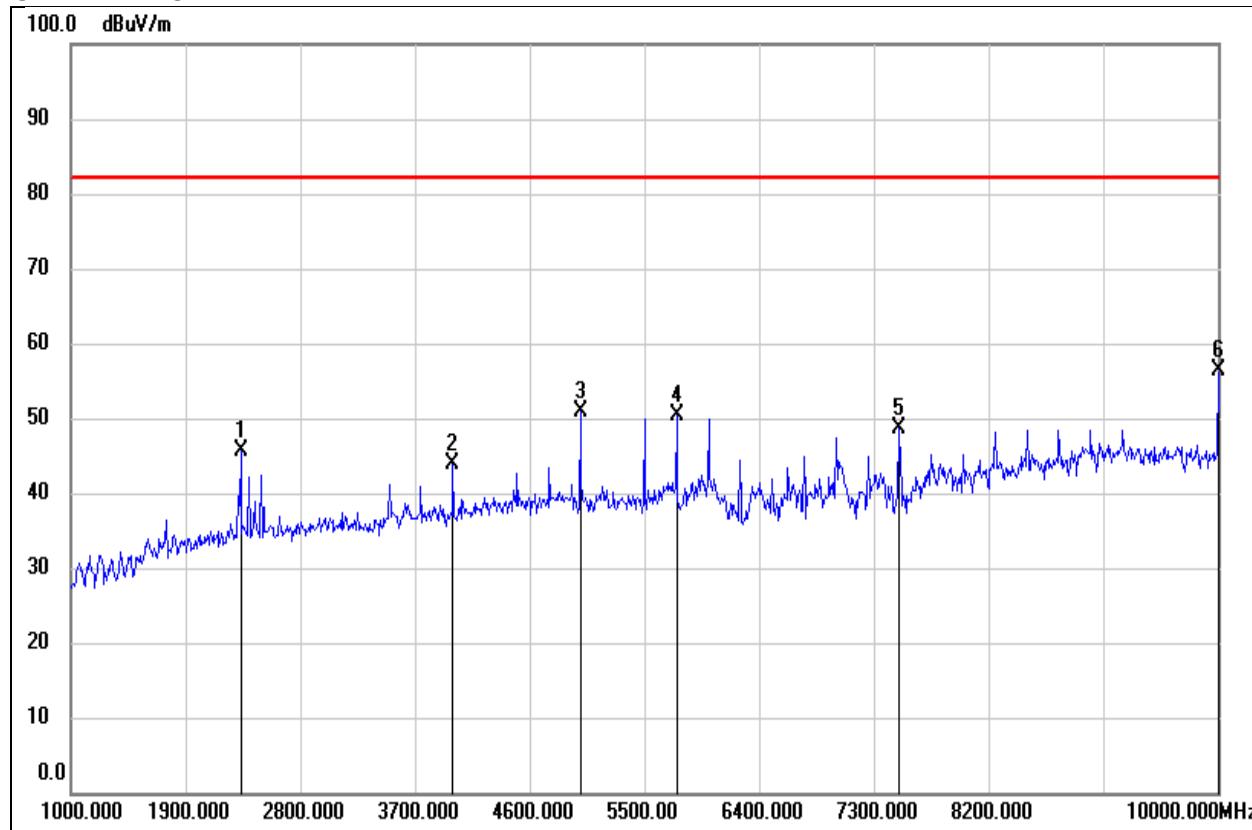
**GPRS- Low Channel-Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2332.000	50.87	-8.31	42.56	82.25	-39.69	peak
2	4996.000	49.43	0.42	49.85	82.25	-32.40	peak
3	6004.000	48.52	2.82	51.34	82.25	-30.91	peak
4	7498.000	41.00	6.77	47.77	82.25	-34.48	peak
5	8749.000	41.40	8.02	49.42	82.25	-32.83	peak
6	10000.000	43.12	12.01	55.13	82.25	-27.12	peak

**GPRS- Low Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2494.000	53.12	-7.88	45.24	82.25	-37.01	peak
2	3997.000	51.58	-3.45	48.13	82.25	-34.12	peak
3	4996.000	53.03	0.42	53.45	82.25	-28.80	peak
4	6004.000	51.95	2.82	54.77	82.25	-27.48	peak
5	7498.000	43.73	6.77	50.50	82.25	-31.75	peak
6	10000.000	39.93	12.01	51.94	82.25	-30.31	peak

## GPRS- Mid Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2332.000	54.06	-8.31	45.75	82.25	-36.50	peak
2	3997.000	47.22	-3.45	43.77	82.25	-38.48	peak
3	4996.000	50.34	0.42	50.76	82.25	-31.49	peak
4	5752.000	48.41	1.99	50.40	82.25	-31.85	peak
5	7498.000	41.86	6.77	48.63	82.25	-33.62	peak
6	10000.000	44.44	12.01	56.45	82.25	-25.80	peak

## GPRS- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2494.000	54.22	-7.88	46.34	82.25	-35.91	peak
2	3997.000	51.39	-3.45	47.94	82.25	-34.31	peak
3	4996.000	53.46	0.42	53.88	82.25	-28.37	peak
4	6004.000	51.81	2.82	54.63	82.25	-27.62	peak
5	7003.000	42.95	6.79	49.74	82.25	-32.51	peak
6	10000.000	40.16	12.01	52.17	82.25	-30.08	peak

## GPRS- High Channel- Horizontal

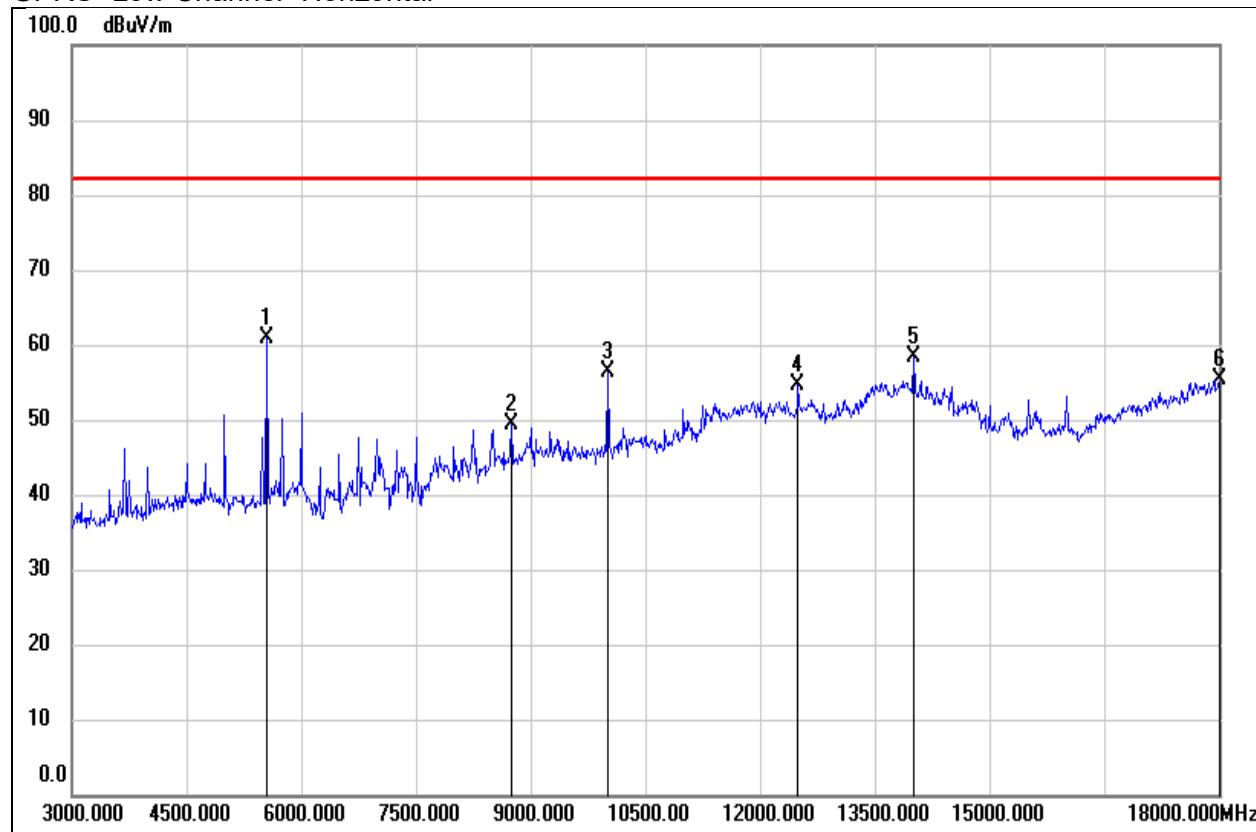
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2530.000	53.89	-7.90	45.99	82.25	-36.26	peak
2	4996.000	52.54	0.42	52.96	82.25	-29.29	peak
3	5500.000	48.20	1.72	49.92	82.25	-32.33	peak
4	7498.000	41.82	6.77	48.59	82.25	-33.66	peak
5	8254.000	41.71	8.11	49.82	82.25	-32.43	peak
6	10000.000	43.48	12.01	55.49	82.25	-26.76	peak

## GPRS- High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2512.000	53.55	-7.88	45.67	82.25	-36.58	peak
2	3997.000	52.08	-3.45	48.63	82.25	-33.62	peak
3	4996.000	53.75	0.42	54.17	82.25	-28.08	peak
4	6004.000	52.32	2.82	55.14	82.25	-27.11	peak
5	7498.000	42.36	6.77	49.13	82.25	-33.12	peak
6	10000.000	40.78	12.01	52.79	82.25	-29.46	peak

**GSM 1900**

GPRS- Low Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5550.000	58.31	2.58	60.89	82.25	-21.36	peak
2	8745.000	40.92	8.51	49.43	82.25	-32.82	peak
3	10005.000	43.85	12.48	56.33	82.25	-25.92	peak
4	12495.000	35.95	18.56	54.51	82.25	-27.74	peak
5	14010.000	35.57	22.73	58.30	82.25	-23.95	peak
6	18000.000	28.51	26.83	55.34	82.25	-26.91	peak

GPRS- Low Channel- Vertical(worst case)

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5550.000	54.94	2.58	57.52	82.25	-24.73	peak
2	6000.000	50.16	3.11	53.27	82.25	-28.98	peak
3	7500.000	43.02	7.18	50.20	82.25	-32.05	peak
4	10005.000	40.01	12.48	52.49	82.25	-29.76	peak
5	13500.000	34.10	21.69	55.79	82.25	-26.46	peak
6	17535.000	31.16	23.90	55.06	82.25	-27.19	peak

**GPRS- Mid Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5640.000	58.06	2.70	60.76	82.25	-21.49	peak
2	8745.000	40.46	8.51	48.97	82.25	-33.28	peak
3	10005.000	45.01	12.48	57.49	82.25	-24.76	peak
4	12495.000	36.74	18.56	55.30	82.25	-26.95	peak
5	14010.000	35.54	22.73	58.27	82.25	-23.98	peak
6	17760.000	29.81	25.72	55.53	82.25	-26.72	peak

**GPRS- Mid Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	52.00	0.83	52.83	82.25	-29.42	peak
2	6000.000	50.58	3.11	53.69	82.25	-28.56	peak
3	7500.000	43.16	7.18	50.34	82.25	-31.91	peak
4	10005.000	40.93	12.48	53.41	82.25	-28.84	peak
5	14010.000	34.22	22.73	56.95	82.25	-25.30	peak
6	17985.000	28.65	26.77	55.42	82.25	-26.83	peak

**GPRS- High Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5730.000	52.65	2.46	55.11	82.25	-27.14	peak
2	8505.000	41.12	8.24	49.36	82.25	-32.89	peak
3	10005.000	44.50	12.48	56.98	82.25	-25.27	peak
4	12000.000	35.46	18.50	53.96	82.25	-28.29	peak
5	14010.000	34.77	22.73	57.50	82.25	-24.75	peak
6	17970.000	28.96	26.72	55.68	82.25	-26.57	peak

**GPRS- High Channel- Vertical**

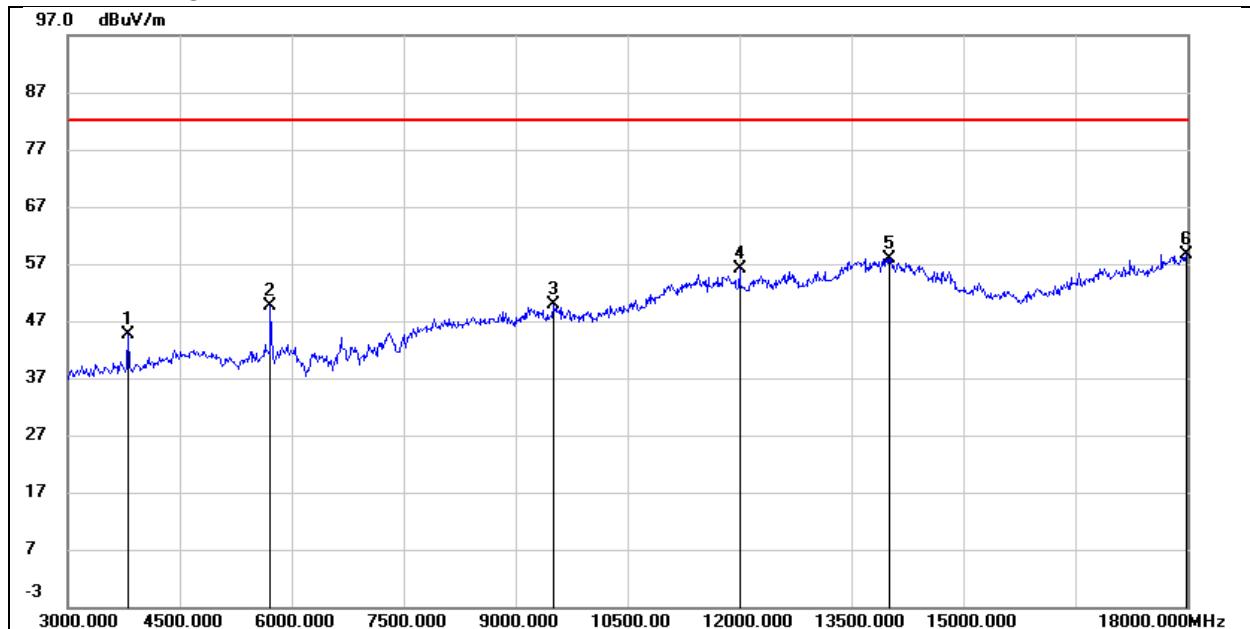
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	51.08	0.83	51.91	82.25	-30.34	peak
2	5730.000	55.81	2.46	58.27	82.25	-23.98	peak
3	8745.000	40.76	8.51	49.27	82.25	-32.98	peak
4	10005.000	41.23	12.48	53.71	82.25	-28.54	peak
5	13500.000	35.76	21.69	57.45	82.25	-24.80	peak
6	17985.000	28.27	26.77	55.04	82.25	-27.21	peak

**WCDMA Band 2**
**HSDPA- Low Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3705.000	43.74	-3.28	40.46	82.25	-41.79	peak
2	5550.000	40.99	2.05	43.04	82.25	-39.21	peak
3	8700.000	39.34	9.39	48.73	82.25	-33.52	peak
4	12000.000	39.18	18.82	58.00	82.25	-24.25	peak
5	14025.000	34.00	24.02	58.02	82.25	-24.23	peak
6	17745.000	32.53	26.46	58.99	82.25	-23.26	peak

**HSDPA- Low Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	44.08	1.04	45.12	82.25	-37.13	peak
2	5550.000	44.18	2.05	46.23	82.25	-36.02	peak
3	9300.000	38.35	11.36	49.71	82.25	-32.54	peak
4	12690.000	35.53	19.85	55.38	82.25	-26.87	peak
5	13635.000	35.14	23.05	58.19	82.25	-24.06	peak
6	17985.000	30.20	28.41	58.61	82.25	-23.64	peak

**HSDPA- Mid Channel- Horizontal**


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3750.000	49.57	-3.15	46.42	82.25	-35.83	peak
2	5640.000	47.84	2.28	50.12	82.25	-32.13	peak
3	9705.000	36.42	12.92	49.34	82.25	-32.91	peak
4	12000.000	41.14	18.82	59.96	82.25	-22.29	peak
5	13530.000	35.13	22.88	58.01	82.25	-24.24	peak
6	17985.000	29.90	28.41	58.31	82.25	-23.94	peak

**HSDPA- Mid Channel- Vertical**

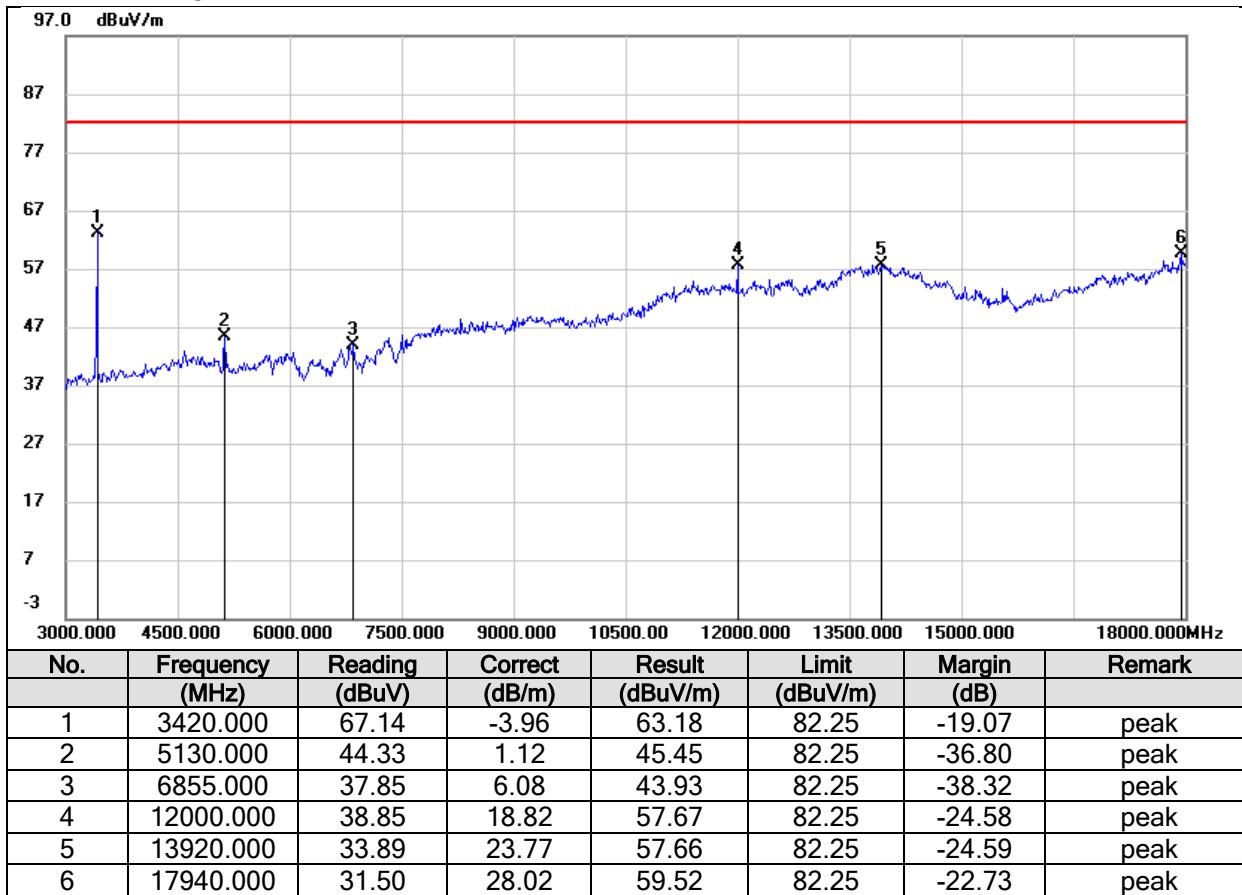
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3750.000	47.78	-3.15	44.63	82.25	-37.62	peak
2	5640.000	51.99	2.28	54.27	82.25	-27.98	peak
3	9405.000	38.41	11.79	50.20	82.25	-32.05	peak
4	12000.000	36.86	18.82	55.68	82.25	-26.57	peak
5	13980.000	34.32	24.01	58.33	82.25	-23.92	peak
6	18000.000	30.73	28.54	59.27	82.25	-22.98	peak

**HSDPA- High Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3810.000	47.61	-2.97	44.64	82.25	-37.61	peak
2	5715.000	47.11	2.41	49.52	82.25	-32.73	peak
3	9510.000	37.60	12.25	49.85	82.25	-32.40	peak
4	12000.000	37.43	18.82	56.25	82.25	-26.00	peak
5	14010.000	33.90	24.07	57.97	82.25	-24.28	peak
6	17985.000	30.15	28.41	58.56	82.25	-23.69	peak

**HSDPA- High Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	51.97	2.41	54.38	82.25	-27.87	peak
2	9540.000	39.22	12.39	51.61	82.25	-30.64	peak
3	11850.000	36.81	18.53	55.34	82.25	-26.91	peak
4	13950.000	34.31	23.89	58.20	82.25	-24.05	peak
5	15255.000	38.20	19.27	57.47	82.25	-24.78	peak
6	17970.000	29.62	28.27	57.89	82.25	-24.36	peak

**WCDMA Band 4**
**HSDPA- Low Channel- Horizontal**

**HSDPA- Low Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3420.000	63.19	-3.96	59.23	82.25	-23.02	peak
2	5130.000	50.36	1.12	51.48	82.25	-30.77	peak
3	9270.000	38.06	11.23	49.29	82.25	-32.96	peak
4	12000.000	39.18	18.82	58.00	82.25	-24.25	peak
5	14175.000	34.15	23.57	57.72	82.25	-24.53	peak
6	17970.000	30.25	28.27	58.52	82.25	-23.73	peak

**HSDPA- Mid Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3465.000	64.85	-3.86	60.99	82.25	-21.26	peak
2	5190.000	41.36	1.15	42.51	82.25	-39.74	peak
3	9510.000	37.36	12.25	49.61	82.25	-32.64	peak
4	12000.000	39.67	18.82	58.49	82.25	-23.76	peak
5	13980.000	34.34	24.01	58.35	82.25	-23.90	peak
6	18000.000	30.17	28.54	58.71	82.25	-23.54	peak

## HSDPA- Mid Channel- Vertical

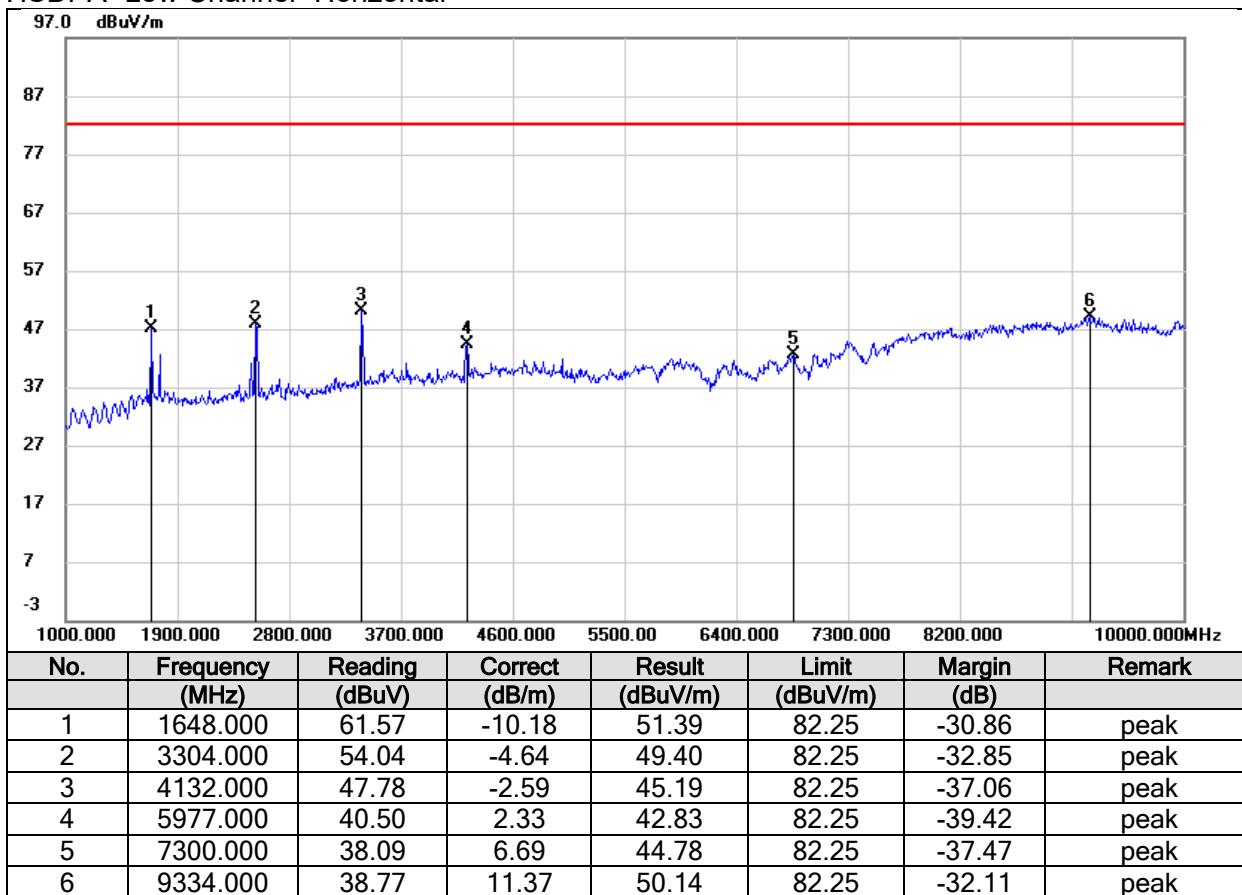
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3465.000	57.78	-3.86	53.92	82.25	-28.33	peak
2	5190.000	46.66	1.15	47.81	82.25	-34.44	peak
3	9225.000	38.54	11.04	49.58	82.25	-32.67	peak
4	11790.000	36.50	18.41	54.91	82.25	-27.34	peak
5	13995.000	34.68	24.08	58.76	82.25	-23.49	peak
6	17745.000	32.18	26.46	58.64	82.25	-23.61	peak

**HSDPA- High Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3495.000	61.31	-3.79	57.52	82.25	-24.73	peak
2	5250.000	44.03	1.28	45.31	82.25	-36.94	peak
3	9960.000	36.72	13.22	49.94	82.25	-32.31	peak
4	12000.000	40.37	18.82	59.19	82.25	-23.06	peak
5	13620.000	35.19	23.03	58.22	82.25	-24.03	peak
6	17760.000	32.32	26.54	58.86	82.25	-23.39	peak

**HSDPA- High Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3495.000	57.96	-3.79	54.17	82.25	-28.08	peak
2	5250.000	49.95	1.28	51.23	82.25	-31.02	peak
3	9210.000	38.54	10.98	49.52	82.25	-32.73	peak
4	12000.000	37.42	18.82	56.24	82.25	-26.01	peak
5	13995.000	34.01	24.08	58.09	82.25	-24.16	peak
6	17985.000	30.03	28.41	58.44	82.25	-23.81	peak

**WCDMA Band 5**
**HSDPA- Low Channel- Horizontal**

**HSDPA- Low Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1648.000	61.20	-10.18	51.02	82.25	-31.23	peak
2	2494.000	51.69	-8.16	43.53	82.25	-38.72	peak
3	3304.000	53.23	-4.64	48.59	82.25	-33.66	peak
4	4996.000	43.43	-0.10	43.33	82.25	-38.92	peak
5	7795.000	39.74	7.40	47.14	82.25	-35.11	peak
6	9244.000	37.93	11.20	49.13	82.25	-33.12	peak

**HSDPA- Mid Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	59.78	-10.12	49.66	82.25	-32.59	peak
2	2494.000	53.81	-8.16	45.65	82.25	-36.60	peak
3	3322.000	52.52	-4.55	47.97	82.25	-34.28	peak
4	4159.000	47.22	-2.50	44.72	82.25	-37.53	peak
5	5887.000	39.63	2.08	41.71	82.25	-40.54	peak
6	9289.000	37.78	11.28	49.06	82.25	-33.19	peak

**HSDPA- Mid Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	58.79	-10.12	48.67	82.25	-33.58	peak

2	2494.000	55.77	-8.16	47.61	82.25	-34.64	peak
3	3322.000	51.81	-4.55	47.26	82.25	-34.99	peak
4	4159.000	47.47	-2.50	44.97	82.25	-37.28	peak
5	4996.000	45.68	-0.10	45.58	82.25	-36.67	peak
6	9280.000	37.83	11.26	49.09	82.25	-33.16	peak

**HSDPA- High Channel- Horizontal**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	57.09	-10.06	47.03	82.25	-35.22	peak
2	2530.000	55.93	-8.04	47.89	82.25	-34.36	peak
3	3376.000	54.31	-4.28	50.03	82.25	-32.22	peak
4	4231.000	46.60	-2.27	44.33	82.25	-37.92	peak
5	6859.000	36.96	5.67	42.63	82.25	-39.62	peak
6	9244.000	38.00	11.20	49.20	82.25	-33.05	peak

**HSDPA- High Channel- Vertical**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	57.72	-10.06	47.66	82.25	-34.59	peak
2	2530.000	53.34	-8.04	45.30	82.25	-36.95	peak
3	3376.000	52.64	-4.28	48.36	82.25	-33.89	peak
4	4222.000	47.28	-2.29	44.99	82.25	-37.26	peak
5	7318.000	39.32	6.69	46.01	82.25	-36.24	peak
6	9523.000	38.02	11.76	49.78	82.25	-32.47	peak

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**END OF REPORT**