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

TEST REPORT

For

LTE Smart Phone

MODEL NUMBER: S6603L, NUU N10, N10

REPORT NUMBER: 4791434720-1-RF-6

ISSUE DATE: September 4, 2024

FCC ID: 2ADINS6603L

Prepared for
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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Sept. 04, 2024	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.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon Hong Kong

Manufacturer Information

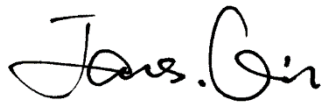
Company Name:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon Hong Kong

EUT Information

EUT Name:	LTE Smart Phone
Model:	S6603L
Series Model:	NUU N10, N10
Model Difference:	Referred to section 5.1
Brand:	NUU
Sample Received Date:	August 5, 2024
Sample Status:	Normal
Sample ID:	7477483
Date of Tested:	August 7, 2024 to August 19, 2024

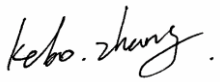
APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 FCC PART 22 H	PASS
CFR 47 FCC PART 24 E	PASS
CFR 47 FCC PART 27	PASS

Prepared By:



James Qin
Project Engineer

Checked By:



Kebo Zhang
Senior Project Engineer

Approved By:

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	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** 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 **ISED (Company No.: 21320)** 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. **VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202)** 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 D, the VCCI registration No. is G-20192 and R-20202. Shielding Room B, the VCCI registration No. is C-20153 and T-20155.

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, 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 Smart Phone
Model:	S6603L
Series Model:	NUU N10, N10
Model Difference:	NUU N10, N10 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with S6603L. The difference lies only the model number. all these changes do not degrade the unwanted emissions of the certified product.

5.2. TEST CHANNEL CONFIGURATION

Band	Mode	Low	Middle	High
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	4182	4233
		826.4 MHz	836.4 MHz	846.6 MHz

5.3. MAXIMUM ERP/EIRP POWER AND EMISSION DESIGNATOR

WCDMA Band2

Part 24	
EIRP Limit(W)	2.0
Antenna Gain (dBi)	-2.56

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL99	1852.4 ~ 1907.6	21.40	0.077	4.150	4M15F9W
HSDPA		20.96	0.069	4.142	4M14F9W
HSUPA		20.98	0.070	4.147	4M15F9W

WCDMA Band4

Part 27	
EIRP Limit(W)	1.0
Antenna Gain (dBi)	-2.39

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	EIRP (W)	99% OBW (MHz)	Emission Designator
REL99	1712.4 ~ 1752.6	22.21	0.096	4.149	4M15F9W
HSDPA		22.09	0.093	4.145	4M15F9W
HSUPA		22.11	0.094	4.151	4M15F9W

WCDMA Band5

Part 22	
ERP Limit(W)	7.0
Antenna Gain (dBi)	-4.54

Mode	Frequency Range (MHz)	Conducted Average power (dBm)	ERP (W)	99% OBW (MHz)	Emission Designator
REL99	826.4 ~ 846.6	22.12	0.035	4.147	4M15F9W
HSDPA		20.64	0.025	4.139	4M14F9W
HSUPA		21.56	0.031	4.143	4M14F9W

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 at the low, mid, high channel and the worst configuration. Only the worst result is reported.

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

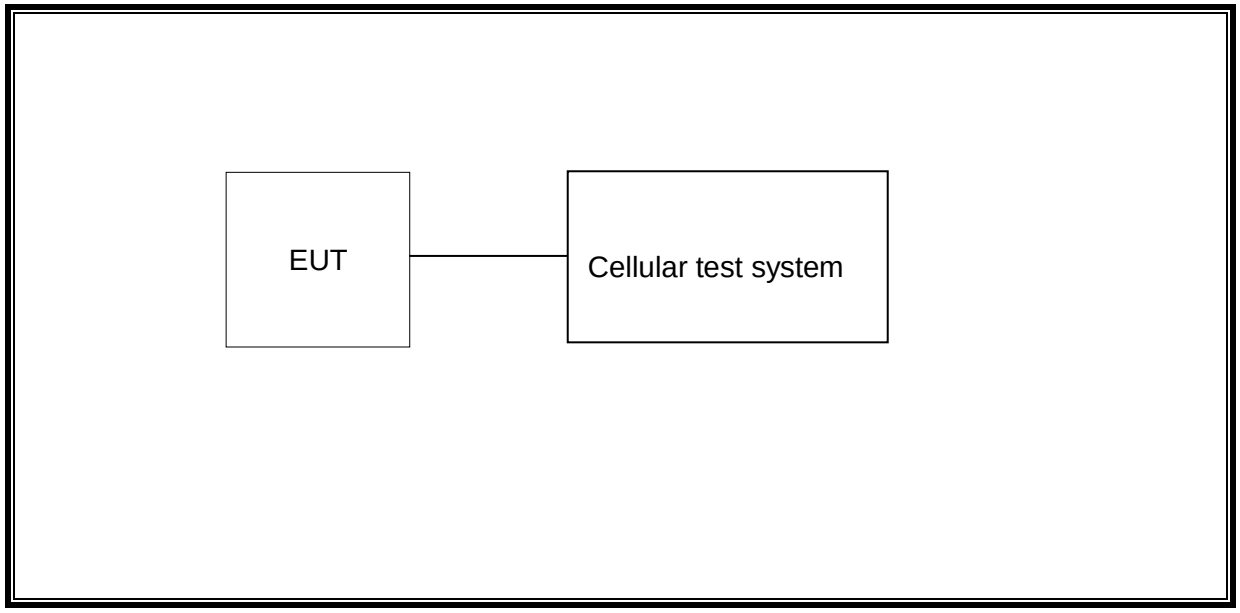
Antenna	Band	Antenna Type	MAX Antenna Gain (dBi)
Ant0	WCDMA Band 2	PIFA	-2.56
Ant0	WCDMA Band 4	PIFA	-2.39
Ant0	WCDMA Band 5	PIFA	-4.54

Band	Transmit and Receive Mode	Description
WCDMA Band 2	☒1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna
WCDMA Band 4	☒1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna
WCDMA Band 5	☒1TX, 2RX	Ant0 antenna can be used as transmitting/receiving antenna, DIV antenna can be used as receiving antenna

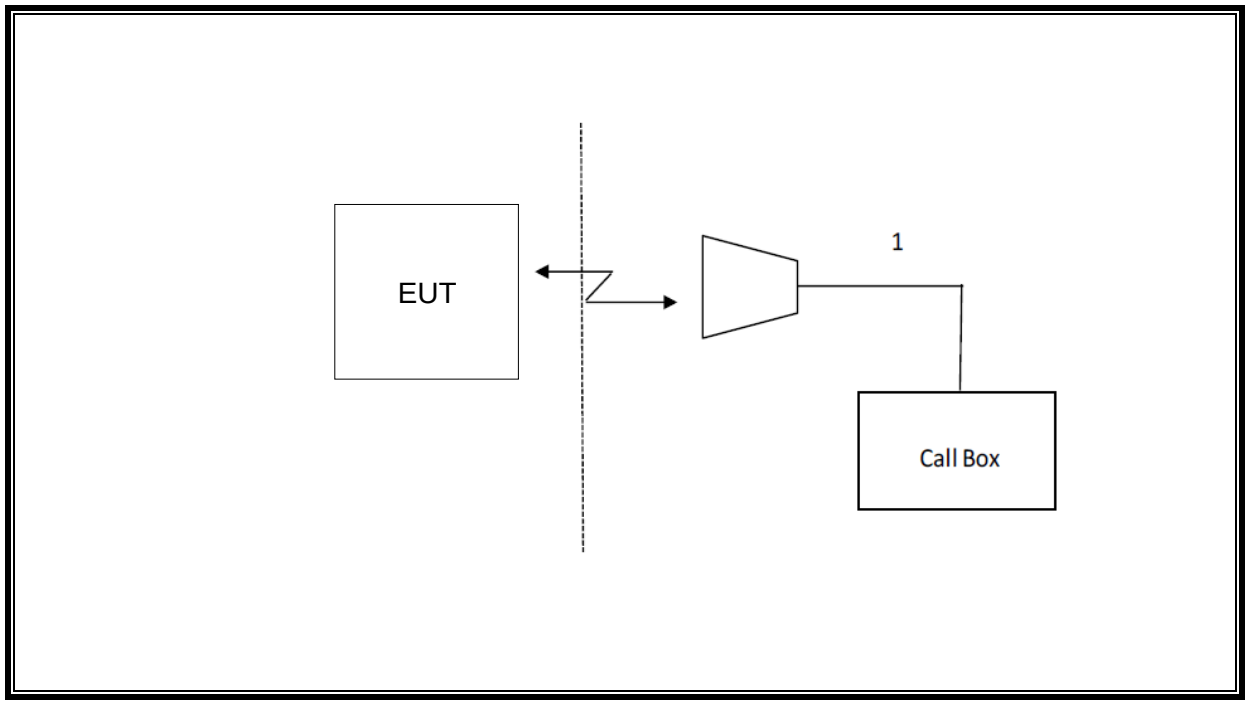
Note: The value of the antenna gain was declared by customer.

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.
☑	Spectrum Analyzer	R&S	FSV40	S422060001	Oct.12, 2023	Oct.11, 2024
☑	Wideband Radio Communication Tester	R&S	CMW500	155523	Oct.12, 2023	Oct.11, 2024
Software						
Used	Description		Manufacturer	Name		Version
☑	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.
☑	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.12, 2023	Oct.11, 2024
☑	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Jun. 28, 2024	Jun. 27, 2027
☑	Preamplifier	HP	8447D	2944A09099	Oct.12, 2023	Oct.11, 2024
☑	EMI Measurement Receiver	R&S	ESR26	101377	Oct.12, 2023	Oct.11, 2024
☑	Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
☑	Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
☑	Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.12, 2023	Oct.11, 2024
☑	Preamplifier	TDK	PA-02-2	TRS-307-00003	Oct.12, 2023	Oct.11, 2024
☑	Loop antenna	Schwarzbeck	1519B	00008	Dec.14, 2021	Dec.13, 2024
☑	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Oct.12, 2023	Oct.11, 2024
Software						
Used	Description		Manufacturer	Name		Version
☑	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

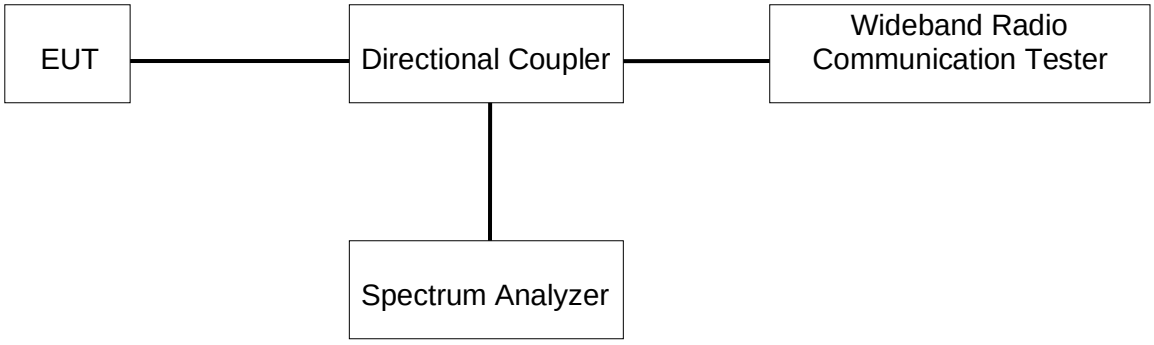
22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
24.232(c) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.
27.50(c) Portable 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 measured maximum output power is as follows and maximum ERP/EIRP is tabulated in section 5.3.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

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	20.70	21.08	21.40
HSDPA	Subtest 1	20.96	20.94	20.76
	Subtest 2	20.72	20.73	20.51
	Subtest 3	19.80	19.84	19.65
	Subtest 4	20.50	20.57	20.29
HSUPA	Subtest 1	20.92	20.96	20.86
	Subtest 2	20.88	20.98	20.78
	Subtest 3	20.86	20.91	20.71
	Subtest 4	20.85	20.91	20.71
	Subtest 5	20.84	20.90	20.76

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	22.21	21.92	21.72
HSDPA	Subtest 1	21.12	21.99	21.09
	Subtest 2	21.44	22.09	21.38
	Subtest 3	21.42	22.03	21.33
	Subtest 4	21.43	22.05	21.35
HSUPA	Subtest 1	21.47	22.11	21.37
	Subtest 2	21.37	22.06	21.32
	Subtest 3	21.41	22.07	21.33
	Subtest 4	21.37	22.07	21.30
	Subtest 5	21.42	22.07	21.32

Band V		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	21.98	22.12	22.02
HSDPA	Subtest 1	20.54	20.64	20.03
	Subtest 2	20.56	20.49	20.10
	Subtest 3	20.25	20.20	19.77
	Subtest 4	20.16	20.05	19.74
HSUPA	Subtest 1	21.56	21.52	21.11
	Subtest 2	21.50	21.45	21.07
	Subtest 3	21.51	21.49	21.11
	Subtest 4	21.48	21.44	21.04
	Subtest 5	21.53	21.50	21.12

7.2. PEAK TO AVERAGE RADIO

LIMITS

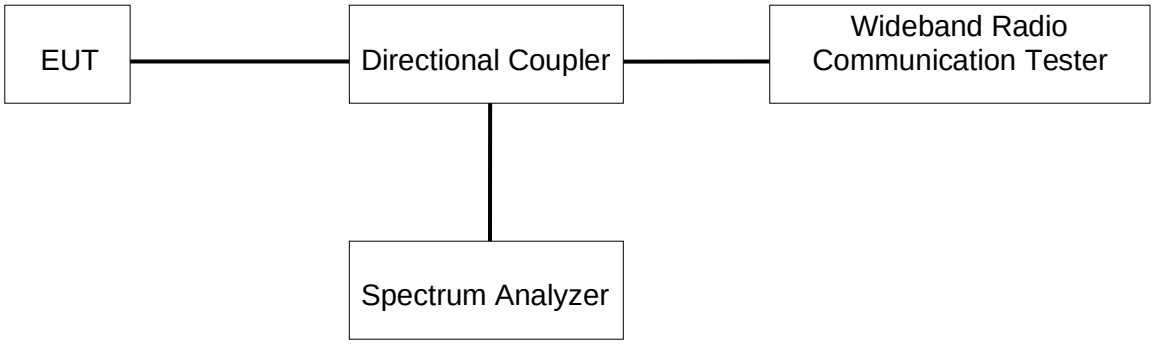
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The PAR was measured on the Spectrum Analyzer.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Middle was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

Please refer to Appendix-WCDMA-B2&B4&B5.

7.3. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

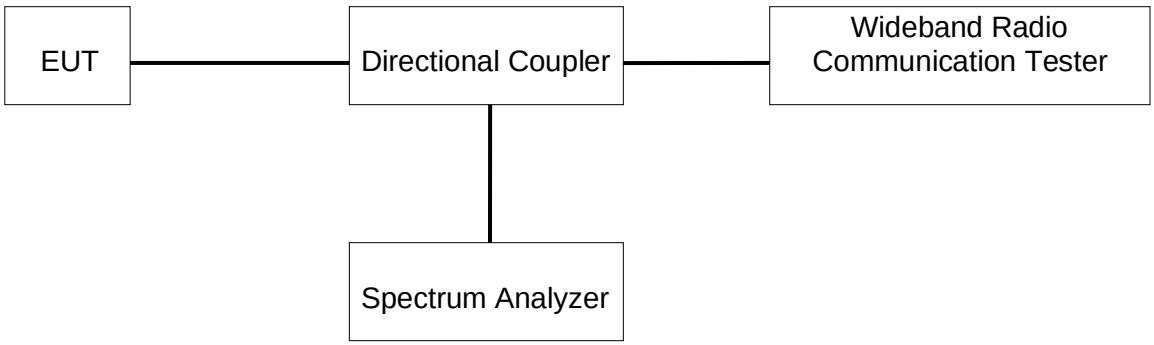
For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01)

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

There is no limit required and power is the same for low, middle and high channel, therefore, only middle channel was tested.
Appendix-WCDMA-B2&B4&B5.

7.4. BAND EDGE EMISSIONS

RULE PART(S)

FCC §2.1051, §22.917, §24.238, §27.53

LIMITS

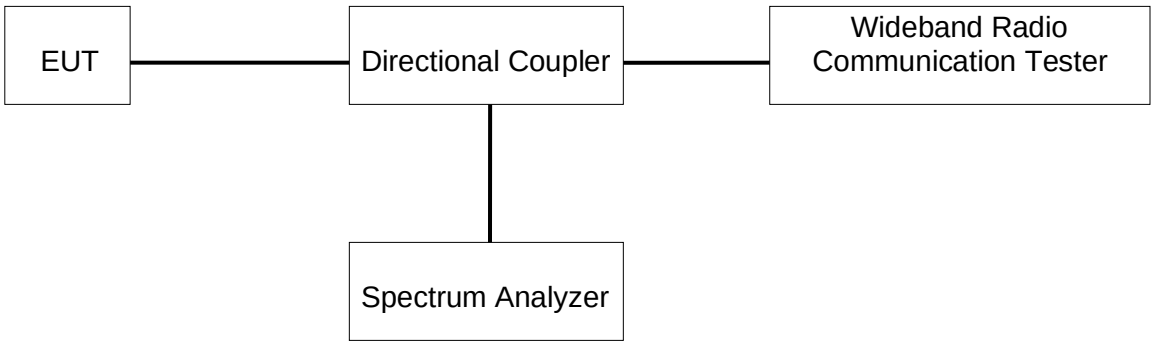
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01
The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

a) Set the RBW = 1 ~ 1.5 % of OBW (Typically limited to a minimum RBW of 1% of the OBW)
b) Set VBW ≥ 3 × RBW;
c) Set span ≥ 1.5 times the OBW;
d) Sweep time = Auto;
e) Detector = RMS;
f) Ensure that the number of measurement points ≥ 2*Span/RBW;
g) Trace mode = Average (100);

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix-WCDMA-B2&B4&B5.

7.5. SPURIOUS EMISSION AT ANTENNA TERMINAL

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53

LIMITS

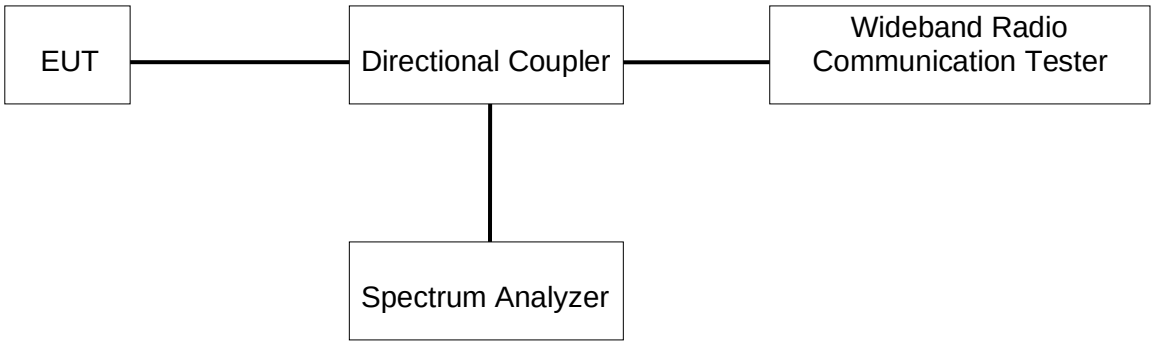
FCC: §22.901, §22.917, §24.238, §27.53
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

a) Set the RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz
(Tests were performed 1 MHz [Worst case], to sweep 1 time for all frequency range)
b) Set VBW ≥ 3 × RBW;
c) Set span ≥ 1.5 times the OBW;
d) Sweep time = auto couple;
e) Detector = rms;
f) Ensure that the number of measurement points = Max (40001);
g) Trace mode = trace average for continuous emissions, max hold for pulse emissions

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix-WCDMA-B2&B4&B5.

7.6. FREQUENCY STABILITY

Rule Part:
FCC: §2.1055, §22.355, §24.235, §27.54

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

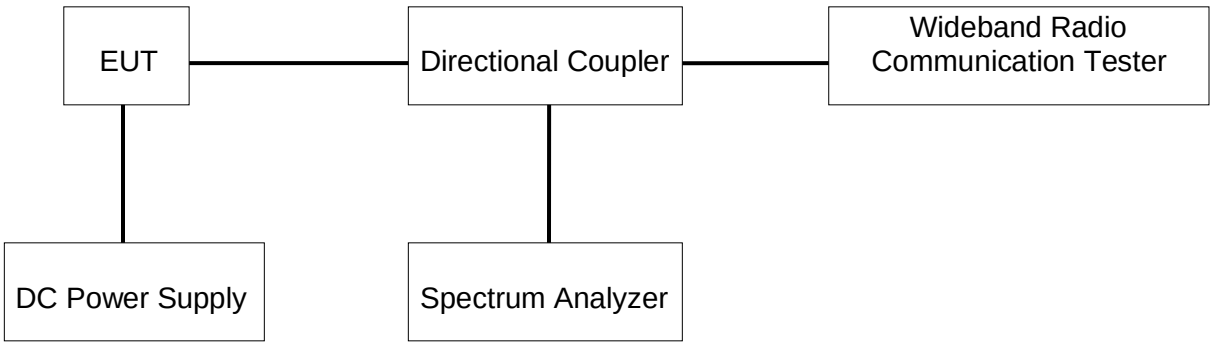
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	45 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 24.7 °C	T_L (Low Temperature): -30 °C
		T_H (High Temperature): 50 °C
Supply Voltage	V_N (Normal Voltage): DC 3.87 V	V_L (Low Voltage): DC 3.3V
		V_H (High Voltage): DC 4.5 V

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	59.6%
Atmosphere Pressure	101kPa	Test Voltage	/

RESULTS

The peak frequency error is recorded (worst-case).

Please refer to Appendix-WCDMA-B2&B4&B5.

8. RADIATED SPURIOUS EMISSIONS

LIMIT

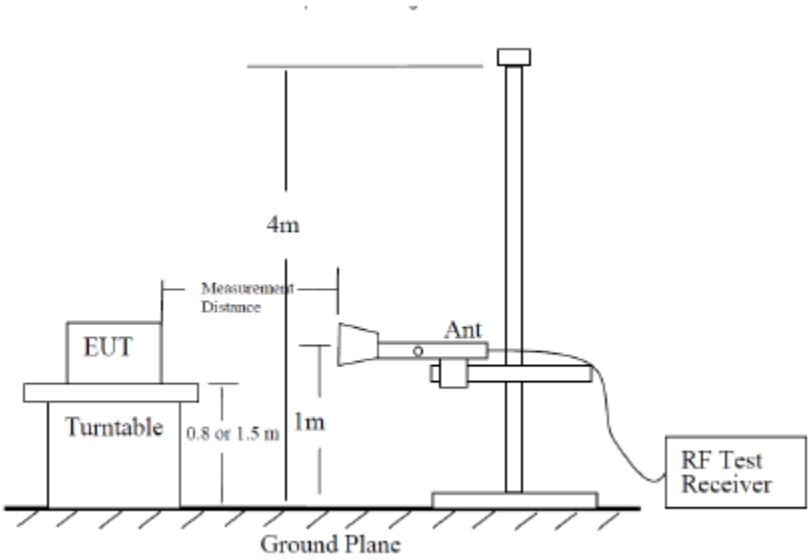
FCC: §24.238(a) (WCDMA Band 2)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 l0g (P) dB.

FCC: §22.917(a) (WCDMA Band 5)
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 10g (P) dB.

FCC: §27.53(h) (WCDMA Band 4)
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 l0g (P) dB.

TEST PROCEDURE

Following the test configuration shown below, radiated emissions measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in section 5.5.1 of ANSI C63.26-2015. The field strength measurement method by using a test site validated to the requirement of ANSI C63.4 is an alternative method to the substitution measurement.



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

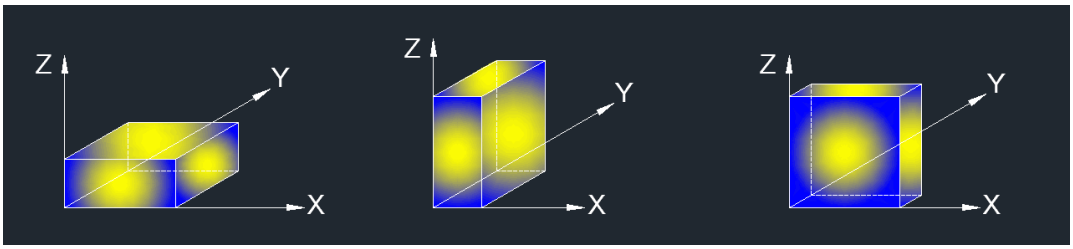
a) E (dBμV/m) = Measured amplitude level (dBμV) + Cable Loss (dB)+ Antenna Factor (dB/m).
b) E (dBμV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m).
c) E (dBμV/m) = EIRP (dBm) -- 20l0g(D) + 104.8, where D is the measurement distance (in the far field region) in m.
d) EIRP (dBm) = E (dBμV/m) + 20l0g(D) - 104.8, where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is at 3m, then 20*Log (3) = 9.5424

Then, EIRP (dBm) = E (dBμV/m) + 9.5424 - 104.8 = E (dBμV/m) - 95.2576

X axis, Y axis, Z axis positions:



Note: The EUT was investigated in three orthogonal orientations X/Y/Z on ANT0 to determine the worst-case orientation. X orientation is finally determined the worst.

TEST ENVIRONMENT

Temperature	24.5°C	Relative Humidity	63.6%
Atmosphere Pressure	101kPa	Test Voltage	/

RESULTS

WCDMA Band 2

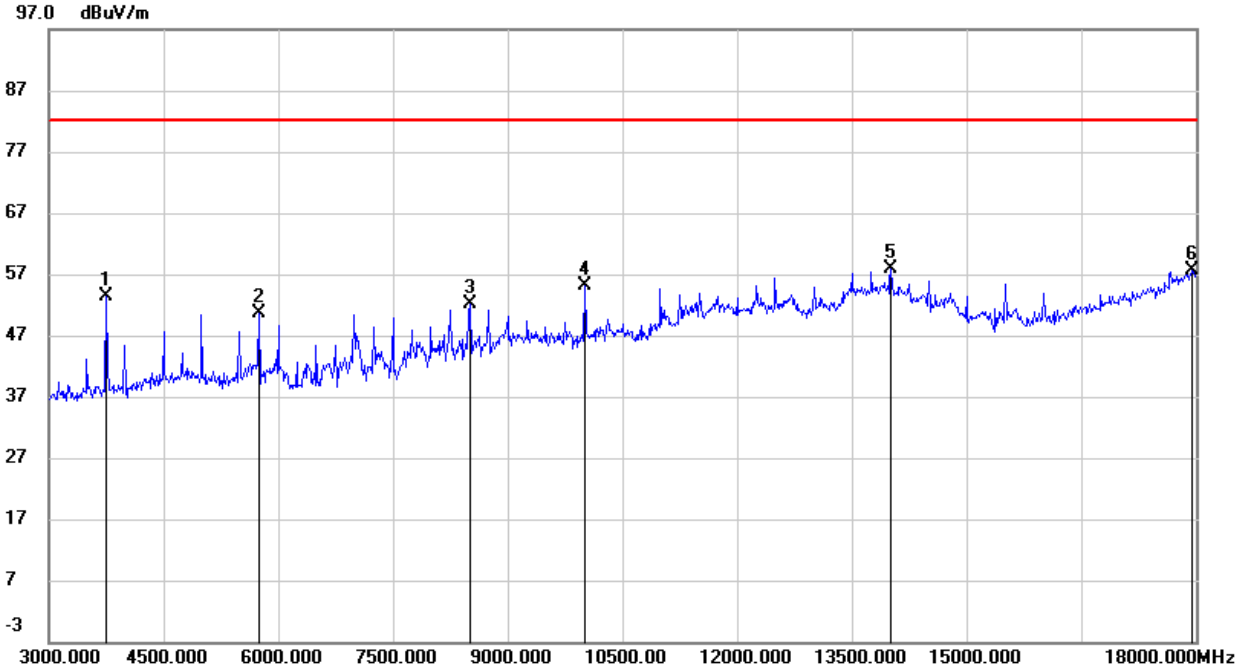
REL99- Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3690.000	56.60	-3.04	53.56	82.25	-28.69	peak
2	4995.000	50.61	1.03	51.64	82.25	-30.61	peak
3	8505.000	44.67	8.34	53.01	82.25	-29.24	peak
4	10995.000	40.30	14.79	55.09	82.25	-27.16	peak
5	14010.000	35.65	22.63	58.28	82.25	-23.97	peak
6	17925.000	29.94	27.93	57.87	82.25	-24.38	peak

REL99- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	51.62	2.23	53.85	82.25	-28.40	peak
2	6000.000	49.77	4.21	53.98	82.25	-28.27	peak
3	10005.000	43.53	11.88	55.41	82.25	-26.84	peak
4	12255.000	36.18	17.00	53.18	82.25	-29.07	peak
5	15510.000	35.95	19.81	55.76	82.25	-26.49	peak
6	17655.000	31.39	25.02	56.41	82.25	-25.84	peak

REL99- Mid Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3750.000	56.36	-2.94	53.42	82.25	-28.83	peak
2	5745.000	48.33	2.36	50.69	82.25	-31.56	peak
3	8505.000	43.89	8.34	52.23	82.25	-30.02	peak

4	10005.000	42.45	12.57	55.02	82.25	-27.23	peak
5	14010.000	35.25	22.63	57.88	82.25	-24.37	peak
6	17955.000	29.42	28.09	57.51	82.25	-24.74	peak

REL99- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6000.000	50.31	4.21	54.52	82.25	-27.73	peak
2	7500.000	45.34	7.88	53.22	82.25	-29.03	peak
3	10005.000	44.90	11.88	56.78	82.25	-25.47	peak
4	12000.000	35.74	16.80	52.54	82.25	-29.71	peak
5	13635.000	34.71	19.91	54.62	82.25	-27.63	peak
6	17985.000	29.85	26.11	55.96	82.25	-26.29	peak

REL99- High Channel- Horizontal

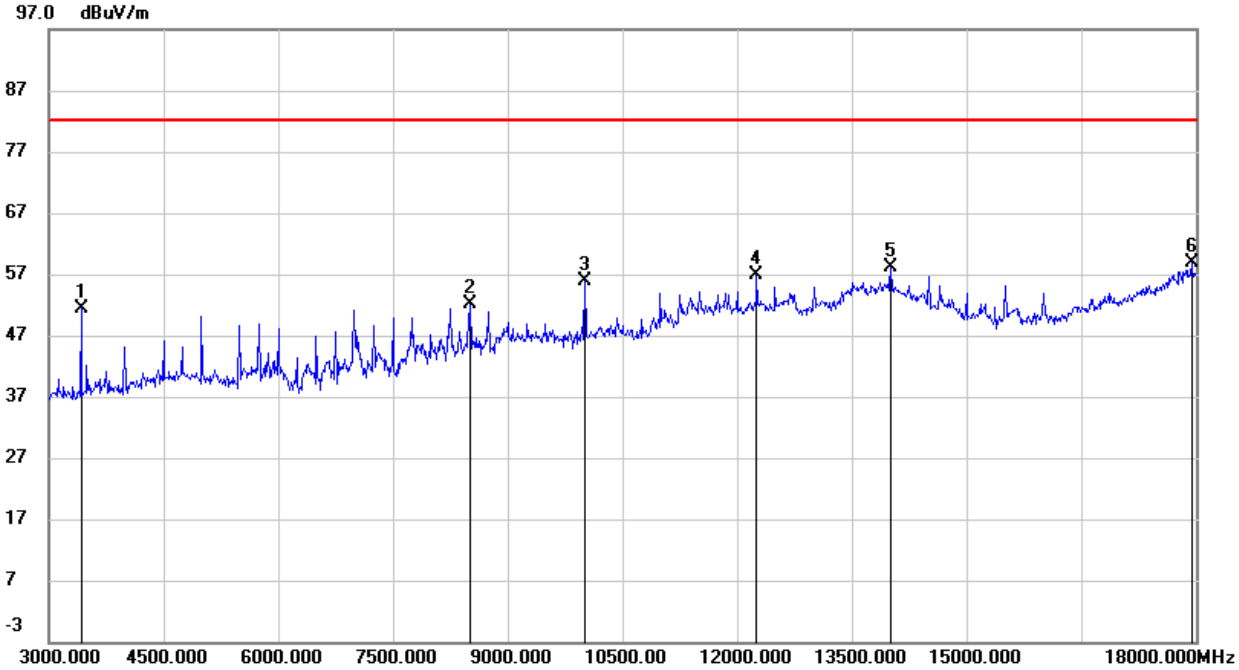
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3810.000	61.09	-2.85	58.24	82.25	-24.01	peak
2	6990.000	41.18	7.47	48.65	82.25	-33.60	peak
3	10005.000	43.04	12.57	55.61	82.25	-26.64	peak
4	12255.000	37.84	18.00	55.84	82.25	-26.41	peak
5	14010.000	35.10	22.63	57.73	82.25	-24.52	peak
6	17985.000	29.64	28.25	57.89	82.25	-24.36	peak

REL99- High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3810.000	55.34	-1.79	53.55	82.25	-28.70	peak
2	6990.000	44.58	8.37	52.95	82.25	-29.30	peak
3	10005.000	43.85	11.88	55.73	82.25	-26.52	peak
4	12675.000	35.30	17.17	52.47	82.25	-29.78	peak
5	14445.000	33.75	20.34	54.09	82.25	-28.16	peak
6	17715.000	30.79	25.41	56.20	82.25	-26.05	peak

WCDMA Band 4

REL99- Low Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3420.000	55.85	-4.35	51.50	82.25	-30.75	peak
2	8505.000	43.84	8.34	52.18	82.25	-30.07	peak
3	10005.000	43.43	12.57	56.00	82.25	-26.25	peak
4	12255.000	38.79	18.00	56.79	82.25	-25.46	peak
5	14010.000	35.54	22.63	58.17	82.25	-24.08	peak
6	17940.000	30.88	28.01	58.89	82.25	-23.36	peak

REL99- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5745.000	51.05	3.46	54.51	82.25	-27.74	peak
2	7500.000	43.84	7.88	51.72	82.25	-30.53	peak
3	10005.000	45.31	11.88	57.19	82.25	-25.06	peak
4	12720.000	35.48	17.33	52.81	82.25	-29.44	peak
5	14010.000	33.71	21.05	54.76	82.25	-27.49	peak
6	17775.000	30.51	25.79	56.30	82.25	-25.95	peak

REL99- Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	49.13	1.03	50.16	82.25	-32.09	peak
2	6990.000	44.02	7.47	51.49	82.25	-30.76	peak
3	8505.000	43.79	8.34	52.13	82.25	-30.12	peak
4	10005.000	43.81	12.57	56.38	82.25	-25.87	peak
5	14010.000	35.49	22.63	58.12	82.25	-24.13	peak
6	17955.000	29.81	28.09	57.90	82.25	-24.35	peak

REL99- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark

1	6000.000	51.51	4.21	55.72	82.25	-26.53	peak
2	7500.000	45.85	7.88	53.73	82.25	-28.52	peak
3	10005.000	44.50	11.88	56.38	82.25	-25.87	peak
4	12300.000	36.01	17.19	53.20	82.25	-29.05	peak
5	13950.000	33.94	21.00	54.94	82.25	-27.31	peak
6	17775.000	30.27	25.79	56.06	82.25	-26.19	peak

REL99- High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	52.31	1.03	53.34	82.25	-28.91	peak
2	8505.000	43.74	8.34	52.08	82.25	-30.17	peak
3	10005.000	42.75	12.57	55.32	82.25	-26.93	peak
4	11745.000	39.44	17.02	56.46	82.25	-25.79	peak
5	14010.000	35.78	22.63	58.41	82.25	-23.84	peak
6	18000.000	29.85	28.33	58.18	82.25	-24.07	peak

REL99- High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	52.57	2.23	54.80	82.25	-27.45	peak
2	6000.000	50.14	4.21	54.35	82.25	-27.90	peak
3	10005.000	42.67	11.88	54.55	82.25	-27.70	peak
4	11745.000	38.02	15.71	53.73	82.25	-28.52	peak
5	14010.000	34.29	21.05	55.34	82.25	-26.91	peak
6	17955.000	30.21	26.09	56.30	82.25	-25.95	peak

WCDMA Band 5

REL99- Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2332.000	54.91	-8.41	46.50	82.25	-35.75	peak
2	4996.000	50.10	0.62	50.72	82.25	-31.53	peak
3	6004.000	45.77	2.92	48.69	82.25	-33.56	peak
4	7003.000	43.30	6.89	50.19	82.25	-32.06	peak
5	8506.000	44.43	7.89	52.32	82.25	-29.93	peak
6	10000.000	42.85	12.11	54.96	82.25	-27.29	peak

REL99- Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2494.000	53.28	-7.27	46.01	82.25	-36.24	peak
2	3997.000	51.80	-2.35	49.45	82.25	-32.80	peak
3	4996.000	53.59	1.82	55.41	82.25	-26.84	peak
4	6004.000	51.15	3.92	55.07	82.25	-27.18	peak
5	7003.000	47.03	7.79	54.82	82.25	-27.43	peak
6	10000.000	42.54	11.41	53.95	82.25	-28.30	peak

REL99- Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	51.53	-8.05	43.48	82.25	-38.77	peak
2	4996.000	50.09	0.62	50.71	82.25	-31.54	peak
3	6004.000	47.25	2.92	50.17	82.25	-32.08	peak
4	7003.000	43.01	6.89	49.90	82.25	-32.35	peak
5	8506.000	45.07	7.89	52.96	82.25	-29.29	peak
6	10000.000	43.43	12.11	55.54	82.25	-26.71	peak

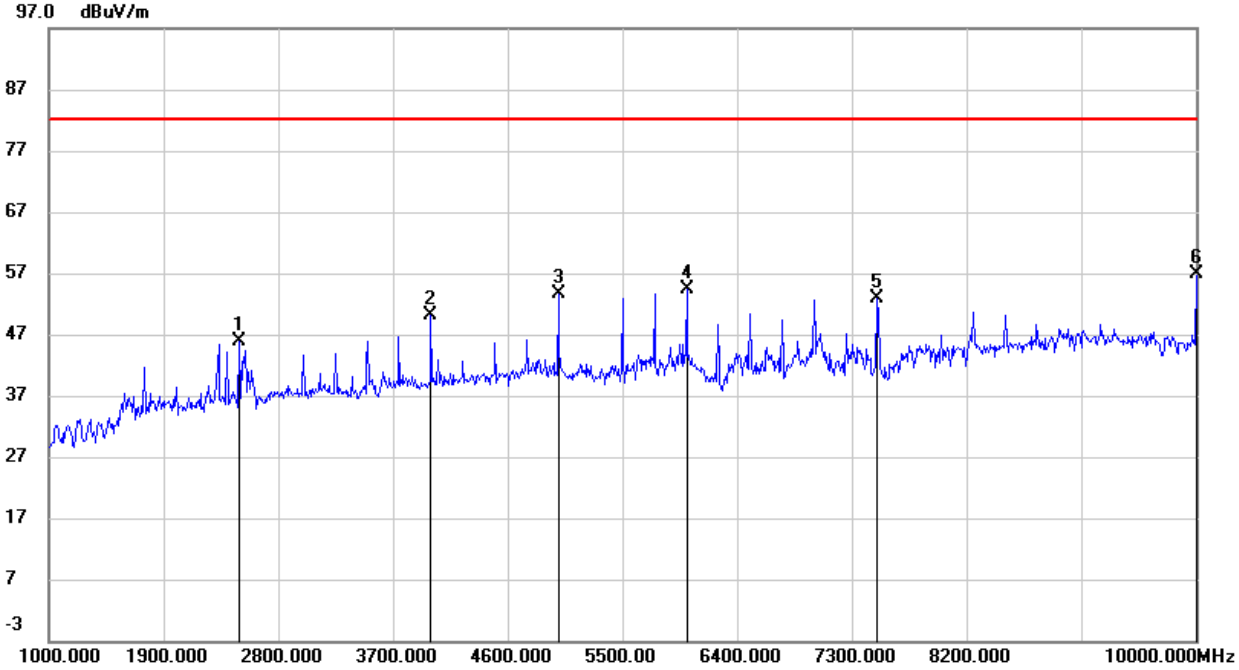
REL99- Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2494.000	54.20	-7.27	46.93	82.25	-35.32	peak
2	3997.000	52.73	-2.35	50.38	82.25	-31.87	peak
3	4996.000	52.30	1.82	54.12	82.25	-28.13	peak
4	6004.000	51.50	3.92	55.42	82.25	-26.83	peak
5	7498.000	46.69	7.47	54.16	82.25	-28.09	peak
6	10000.000	43.87	11.41	55.28	82.25	-26.97	peak

REL99- High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2332.000	52.77	-8.41	44.36	82.25	-37.89	peak
2	4996.000	48.94	0.62	49.56	82.25	-32.69	peak
3	6004.000	48.20	2.92	51.12	82.25	-31.13	peak
4	7498.000	43.24	6.97	50.21	82.25	-32.04	peak
5	8506.000	45.24	7.89	53.13	82.25	-29.12	peak
6	10000.000	43.27	12.11	55.38	82.25	-26.87	peak

REL99- High Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2494.000	53.08	-7.27	45.81	82.25	-36.44	peak
2	3997.000	52.55	-2.35	50.20	82.25	-32.05	peak
3	4996.000	51.92	1.82	53.74	82.25	-28.51	peak
4	6004.000	50.55	3.92	54.47	82.25	-27.78	peak
5	7498.000	45.50	7.47	52.97	82.25	-29.28	peak
6	10000.000	45.35	11.41	56.76	82.25	-25.49	peak

Remark: All the modulation have been tested at low, middle, high channels, only the worst modulation show in the test report.

END OF REPORT