Compliance Test Report

For FCC Part 15B Certification

Product Name	:	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0 + EDR)
Model No.	:	RM-383
FCC ID	:	QMNRM-383
FCC Rule Part(s)	:	FCC CFR Title 47 Part 15 Subpart B: 2007
FCC Classification	:	B
Filing Type	:	Certification
Test Procedure	:	ANSI C63.4-2003

Applicant	:	Nokia Inc.
Address	:	12278 Scripps Summit Dr. San Diego CA 92131 USA

Date of Receipt	:	2008/03/01
Issued Date	:	2008/03/25
Report No.	:	083052R-HPUSP02V01
Report Version	:	V1.1

Test Report Certification

Issued Date: 2008/03/25
Report No.: 083052R-HPUSP02V01

QuieTek

Product Name	:	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0 + EDR)
Applicant	:	Nokia Inc.
Address	:	12278 Scripps Summit Dr. San Diego CA 92131 USA
Manufacturer	:	Foxconn International Holdings Limited
Model No.	:	RM-383
FCC ID.	:	QMNRM-383
Rated Voltage	:	AC 100-240 V / 50-60 Hz
EUT Voltage	:	DC 3.7V (Standard Battery : BL-4C) DC 3.7V (Extended Battery : BL-6C)
Trade Name	:	Nokia
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2007
FCC Classification	:	B
Test Result	:	Complied

NVLAP Lab Code: 200533-0

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of Quie Tek Corporation.
This report must not be used to claim product endorsement by NVLAP any agency of the U.S. Government.

Documented By	:	Nicole Huang (Engineering Adm. Assistant / Nicole Huang)
Tested By	:	Paddy Chen (Senior Engineer / Paddy Chen)
Approved By	:	 (Deputy Manager / Vincent Lin)

ilac-MRA TAF Testing Laboratory 0914

History of Test Report

Date	Version	Description
Mar. 15, 2008	V1.0	The first version
Mar. 25, 2008	V1.1	Revised the FCC Registration Number

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1. General Information

1.1. EUT Description

Product Name	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0 + EDR)
Trade Name	Nokia
Model No.	RM-383
MEID	A00000011E961E
TX Frequency	Cell CDMA : 824.7 ~ 848.31MHz PCS CMDA：1851.25 ~ 1908.75MHz
RX Frequency	Cell CDMA：869.7 ~ 893.31MHz PCS CDMA：1931.25 ~ 1988.75MHz
Antenna Type	Fixed Internal
Hardware version	3500
Software version	DR_3015T_VZW
Battery Pack	Standard(BL-4C) : DC 3.7V
	Extended(BL-6C) : DC 3.7V

1.2. Test mode

Quie Tek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

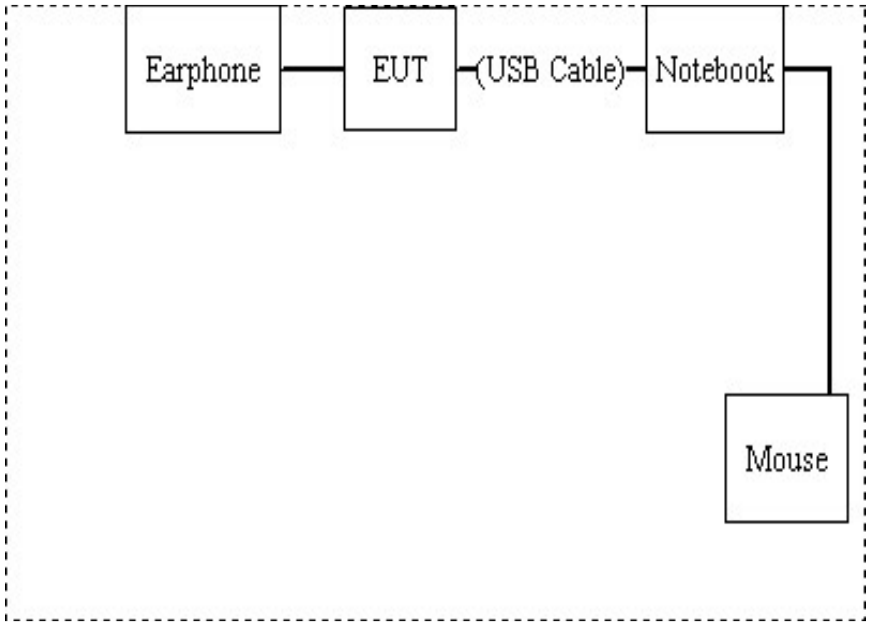
Pre-Test Mode	
EMI	Mode 1: Data Link, with Standard Battery. Mode 2: Data Link, with Extended Battery.
Final Test Mode	
CE	Mode 1: Data Link, with Standard Battery. Mode 2: Data Link, with Extended Battery.
RE	Mode 1: Data Link, with Standard Battery. Mode 2: Data Link, with Extended Battery.

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Brand	Model No.	Serial No.	Cable	Power Cord
1	Notebook	Dell Notebook	PP18L	42649348672	N/A	N/A
2	Dell AC Adapter	Dell	LA90PS0-00	CN-0DF266-71615-7BQ-DDDE	N/A	1.2m, Unshielded AC Power Cord 1.8m, Unshielded DC Power Cord
3	Mouse	Logitech	M-BE58	HCA30103107	1.8m ,Shielded	N/A
4	Nokia Data Cable	NOKIA	CA-101	7306347197	1.2m,Shielded	N/A
5	Nokia Headset	NOKIA	HS-9	N/A	1.3m,Unshielded	N/A

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	N/A	N/A

Fig. 1-1 Test setup.

1.5. EUT Exercise Software

1	Setup the EUT and other peripheral as shown on Fig.1-1. The Nokia Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0 + EDR), FCC ID: QMNRM-383, was connected to a notebook computer via USB interface port.
2	Turn on the power of all equipments.
3	The software “PST” was installed on the computer to be able to communicate with the phone by continuously transmitting data to the phone via USB interface port.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	ANSI C63.4 CE	15-35	22
Humidity (%RH)		30-60	56
Barometric pressure (mbar)		860-1060	950-1000
Temperature (°C)	ANSI C63.4 RE	15-35	22
Humidity (%RH)		30-60	56
Barometric pressure (mbar)		860-1060	950-1000

Site Description: File on

Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
FCC Registration Number :92195

Certification and Engineering Bureau
3701 Carling Ave., Building 94
P.O. Box 11490, Station “H”
Ottawa, Ontario K2H 8S2
IC Recognized No. : 4075A

Accreditation on NVLAP
NVLAP Lab Code: 200533-0

Site Name: Quie Tek Corporation

Site Address: No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen,
Lin Kou Shiang, Taipei 244 Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

1.7. Summary

Product Name : Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0 + EDR)
Model No. : RM-383
FCC ID : QMNRM-383

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.107(a)	Conducted Emission	< 15.107 limits or < RSS-Gen table 2 limits	Line Conducted	Pass	Sec. 2
15.109(a)	Radiated Emission	< 15.109 limits or < RSS-Gen table 1 limits	Radiated	Pass	Sec. 3

2. Conducted Emission

2.1. Test Equipment List

The following test equipment are used during the conducted emission test:

Item	Instrument	Manufacturer	Type No./ Serial No	Calibration Date	Calbration Due	Remark
1	Test Receiver	R & S	ESCS 30/ 100366	18. Oct, 2007	17. Oct, 2008	
2	L.I.S.N.	R & S	ESH3-Z5/ 836679	17. Jul, 2007	16. Jul, 2008	EUT
3	L.I.S.N.	R & S	ENV4200/ 833209	13. Aug, 2007	12 Aug, 2008	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2/ 357.8810.52	06. Sep, 2007	05. Sep, 2008	
5	No. 1 Shielded Room			N/A	N/A	

2.2. Test Setup

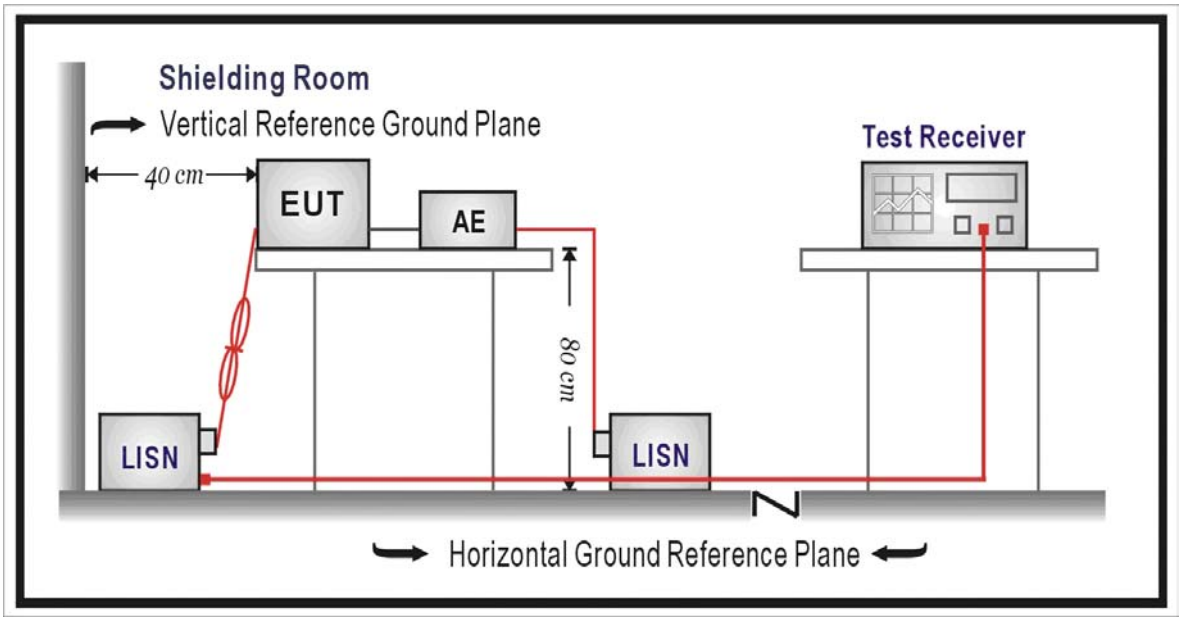


Fig. 2-1 Test arrangement for conducted disturbance at the mains port.

2.3. Limits

FCC Part 15 Subpart B Limits (dBuV)				
Frequency MHz	Class A		Class B	
	QP	AV	QP	AV
0.15 - 0.50	79	66	66-56	56-46
0.50-5.0	73	60	56	46
5.0 - 30	73	60	60	50

Remarks: In the above table, the tighter limit applies at the band edges

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

Contributions		Probability Distribution	Standard Uncertainty u_i(dB)
LISN Factor Calibration	U_1	Rectangular	0.693
Receiver : absolute level	U_2	Rectangular	0.577
Site Imperfection	U_3	U-shaped	0.591
Cable Loss	U_4	Normal	0.208
System Repeatability	U_5	Normal	0.260
Combined Standard Uncertainty, U			1.13
Expanded Ucertainty (for a 95 % confidence level, k=2)			2.26

2.6. Test Results

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV	Battery Type
LINE 1						
Quasi-Peak						
0.177	0.749	40.240	40.989	-24.240	65.229	Standard
0.220	0.505	43.400	43.905	-20.095	64.000	Standard
0.263	0.314	36.650	36.964	-25.807	62.771	Standard
0.427	0.300	34.710	35.010	-23.076	58.086	Standard
0.775	0.310	36.240	36.550	-19.450	56.000	Standard
1.767	0.340	26.500	26.840	-29.160	56.000	Standard
Average						
0.177	0.749	25.920	26.669	-28.560	55.229	Standard
0.220	0.505	30.960	31.465	-22.535	54.000	Standard
0.263	0.314	29.170	29.484	-23.287	52.771	Standard
0.427	0.300	24.120	24.420	-23.666	48.086	Standard
0.775	0.310	34.390	34.700	-11.300	46.000	Standard
1.767	0.340	20.200	20.540	-25.460	46.000	Standard

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Reading Levels are Quasi-Peak and average value.
3. " ", means this data is the worst emission level.
4. Line 1 = Phase, Line 2 = Neutral.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV	Battery Type
LINE 2						
Quasi-Peak						
0.166	0.300	40.620	40.920	-24.623	65.543	Standard
0.240	0.300	35.630	35.930	-27.499	63.429	Standard
0.357	0.309	33.210	33.519	-26.567	60.086	Standard
0.580	0.310	36.920	37.230	-18.770	56.000	Standard
0.779	0.320	33.510	33.830	-22.170	56.000	Standard
1.099	0.320	30.680	31.000	-25.000	56.000	Standard
Average						
0.166	0.300	30.100	30.400	-25.143	55.543	Standard
0.240	0.300	29.470	29.770	-23.659	53.429	Standard
0.357	0.309	20.960	21.269	-28.817	50.086	Standard
0.580	0.310	22.670	22.980	-23.020	46.000	Standard
0.779	0.320	30.480	30.800	-15.200	46.000	Standard
1.099	0.320	19.910	20.230	-25.770	46.000	Standard

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Reading Levels are Quasi-Peak and average value.
3. " ", means this data is the worst emission level.
4. Line 1 = Phase, Line 2 = Neutral.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

LINE 1 = Phase

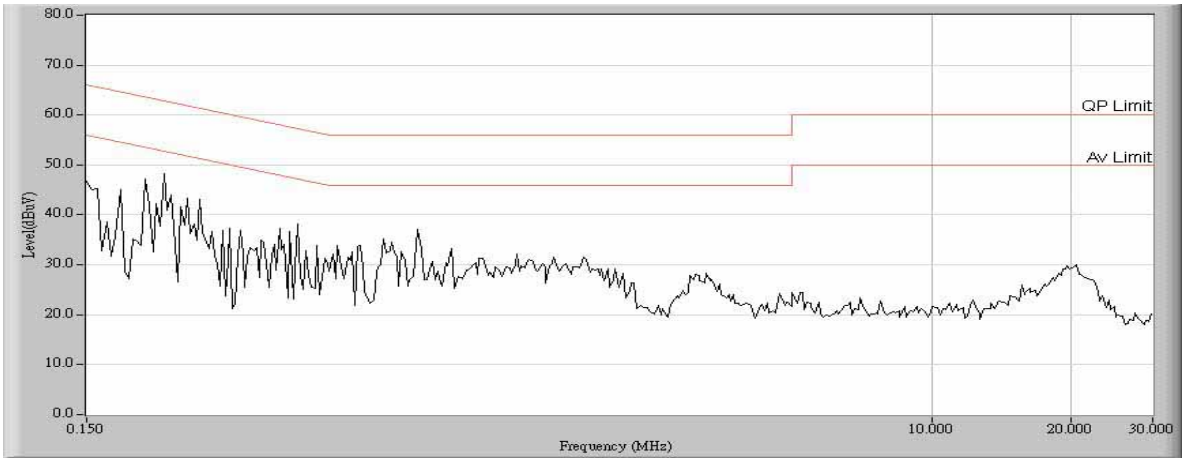


Fig. 2-2 Conducted emission measurements for mode 1.

LINE 2 = Neutral

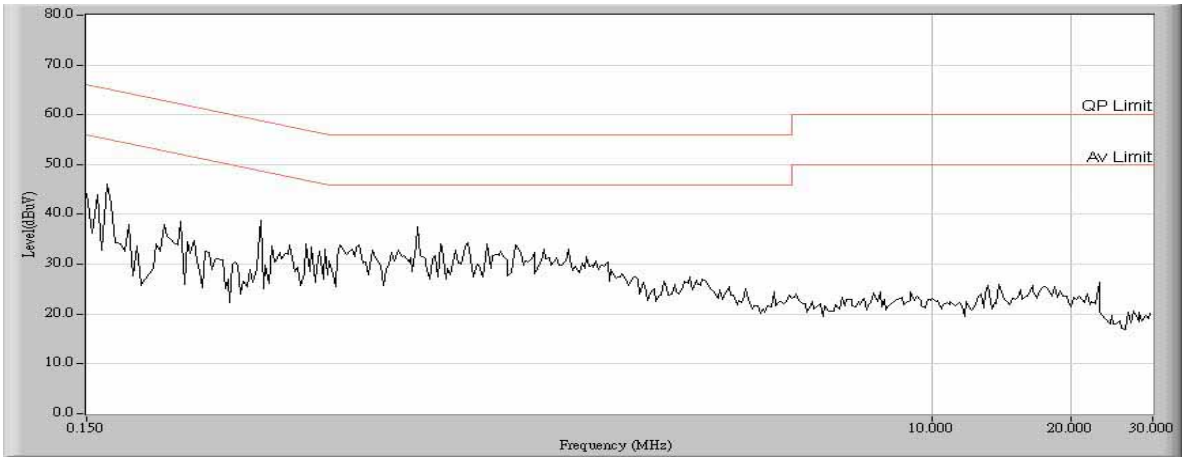


Fig. 2-3 Conducted emission measurements for mode 1.

Note :

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. The limits for class B devices from 150kHz to 30 MHz are specified in section 15.107 of the title 47CFR.
3. Line 1 = Phase, Line 2 = Neutral.
4. Traces shown in above figures are made using a peak detecor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV	Battery Type
LINE 1						
Quasi-Peak						
0.160	0.470	42.250	42.720	-22.994	65.714	Extended
0.209	0.588	34.250	34.838	-29.476	64.314	Extended
0.345	0.300	34.760	35.060	-25.369	60.429	Extended
0.521	0.300	34.410	34.710	-21.290	56.000	Extended
0.784	0.310	35.740	36.050	-19.950	56.000	Extended
1.095	0.320	29.200	29.520	-26.480	56.000	Extended
Average						
0.160	0.470	30.830	31.300	-24.414	55.714	Extended
0.209	0.588	24.850	25.438	-28.876	54.314	Extended
0.345	0.300	21.770	22.070	-28.359	50.429	Extended
0.521	0.300	19.150	19.450	-26.550	46.000	Extended
0.784	0.310	33.760	34.070	-11.930	46.000	Extended
1.095	0.320	19.150	19.470	-26.530	46.000	Extended

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Reading Levels are Quasi-Peak and average value.
3. " ", means this data is the worst emission level.
4. Line 1 = Phase, Line 2 = Neutral.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV	Battery Type
LINE 2						
Quasi-Peak						
0.170	0.300	46.640	46.940	-18.489	65.429	Extended
0.224	0.300	45.510	45.810	-18.076	63.886	Extended
0.427	0.310	36.300	36.610	-21.476	58.086	Extended
0.716	0.310	31.600	31.910	-24.090	56.000	Extended
1.224	0.330	29.360	29.690	-26.310	56.000	Extended
1.517	0.338	29.170	29.508	-26.492	56.000	Extended
Average						
0.170	0.300	31.150	31.450	-23.979	55.429	Extended
0.224	0.300	29.000	29.300	-24.586	53.886	Extended
0.427	0.310	21.150	21.460	-26.626	48.086	Extended
0.716	0.310	20.230	20.540	-25.460	46.000	Extended
1.224	0.330	20.550	20.880	-25.120	46.000	Extended
1.517	0.338	20.650	20.988	-25.012	46.000	Extended

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Reading Levels are Quasi-Peak and average value.
3. " ", means this data is the worst emission level.
4. Line 1 = Phase, Line 2 = Neutral.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/05	Test Site	No.1 Shielded Room
Test Condition	Conducted Emission	Test Range	0.15-30MHz

LINE 1 = Phase

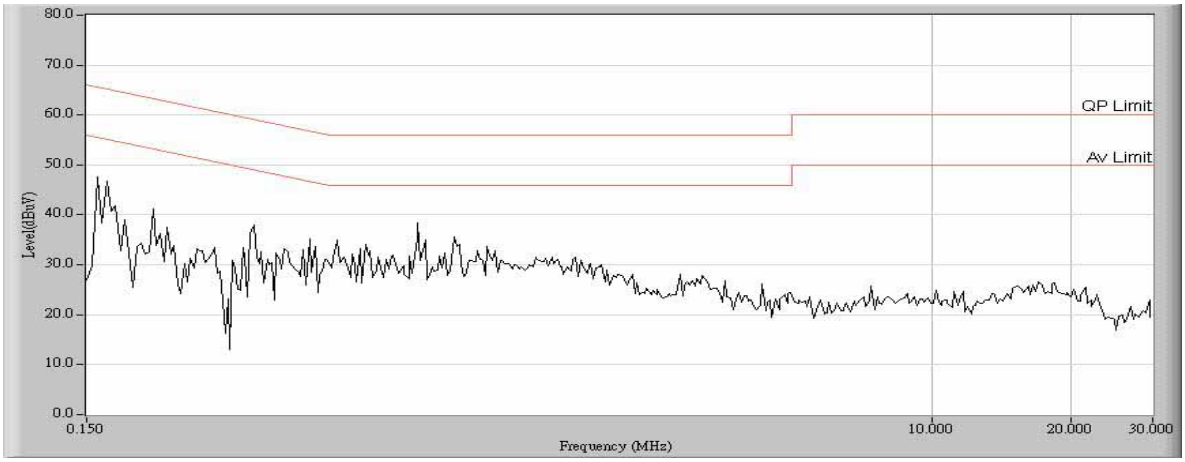


Fig. 2-4 Conducted emission measurements for mode 2.

LINE 2 = Neutral

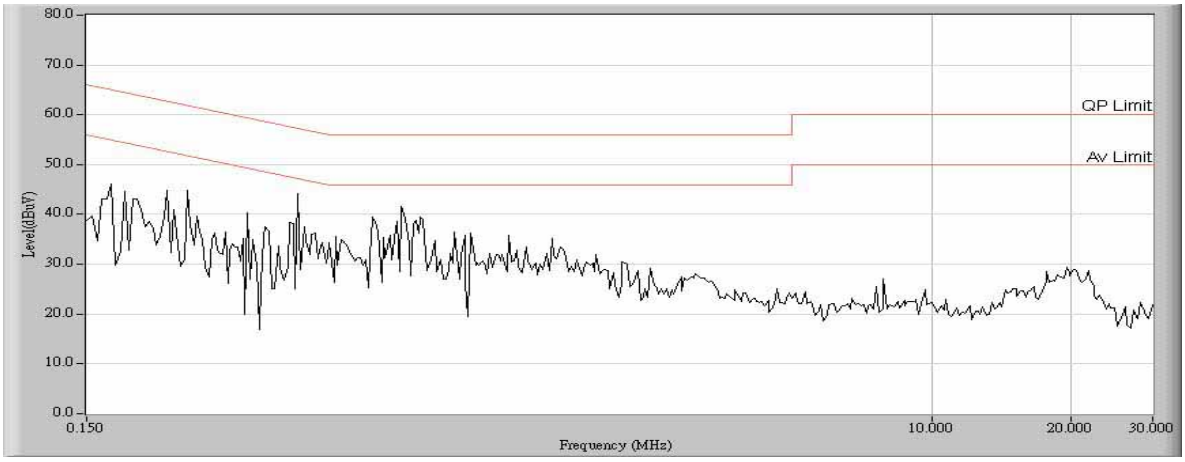


Fig. 2-5 Conducted emission measurements for mode 2.

Note :

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. The limits for class B devices from 150kHz to 30 MHz are specified in section 15.107 of the title 47CFR.
3. Line 1 = Phase, Line 2 = Neutral.
4. Traces shown in above figures are made using a peak detecor.

3. Radiated Emission

3.1. Test Equipment List

The following test equipment are used during the radiated emission test:

Item	Equipment	Manufacturer	Model No./ Serial No.	Calibration Date	Calbration Due
1	Bilog Antenna	Schaffner Chase	CBL6112B/2921	10. Aug, 2007	09. Aug, 2008
2	Broadband Horn Antenna	Schwarzbeck	BBHA9170/497	07. Sep, 2007	06. Sep, 2008
3	EMI Test Receiver	R&S	ESCS 30/100123	08. May, 2007	07. May, 2008
4	Horn Antenna	Schwarzbeck	BBHA9120D/305	06. Sep, 2007	05. Sep, 2008
5	Pre-Amplifier	QTK	N/A	N/A	
6	Microwave Amplifier (0.5GHZ-26.5GHZ)	Agilent	83017A/ MY39500682	10. Aug, 2007	09. Aug, 2008
7	Spectrum Analyzer	Advantest	R3162/01700040	13. Nov, 2007	12. Nov, 2008
8	Spectrum Analyzer (9K-40GHz)	R&S	FSP40/100339	06. Nov, 2007	05. Nov, 2008

3.2. Test Setup

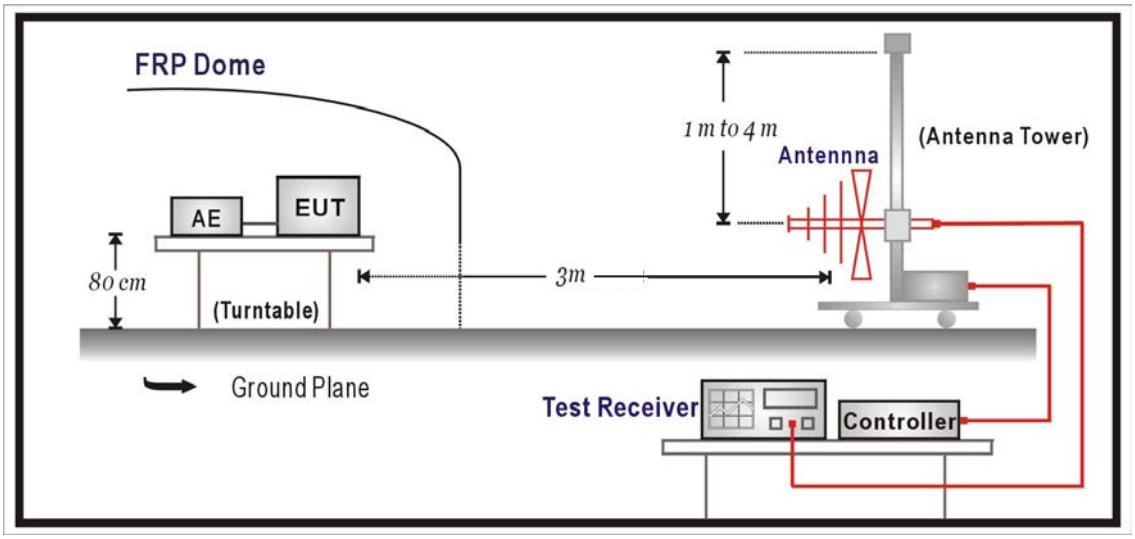


Fig. 3-1 Test arrangement for radiated emission under 1GHz.

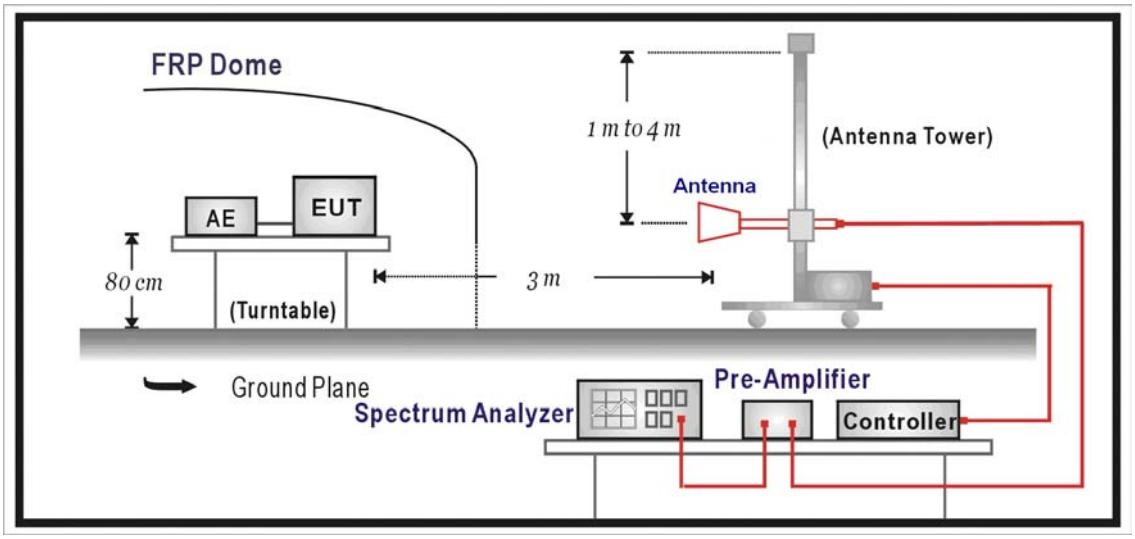


Fig. 3-2 Test arrangement for radiated emission above 1GHz.

3.3. Limits

The test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)				
Frequency MHz	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30-88	10	39	3	40
88-216	10	43.5	3	43.5
216-960	10	46.4	3	46
Above 960	10	49.5	3	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.
For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

For class B, the measurement distance between the EUT and antenna is 3 meters.

3.5. Uncertainty

The measurement uncertainty is evaluated as ± 4.22 dB from 30MHz to 1000 MHz.

Contributions		Probability Distribution	Standard Uncertainty u_i(dB)
Mismatch: receiving part	U_{01}	U-shaped	0.182
Insertion loss: Measurement Antenna cable	U_{02}	Normal	0.50
Gain of the Pre-Amplifier	U_{03}	Rectangular	0.29
Receiving device: absolute level	U_{04}	Rectangular	0.58
EUT: influence of setting the power supply	U_{05}	Normal	0.03
Position of the phase centre: within the EUT volume	U_{06}	Rectangular	0.12
Positioning of the phase centre: within the EUT over the axis of rotation of the turntable	U_{07}	Rectangular	0.08
EUT: influence of the ambient temperature	U_{08}	Normal	0.10
Correction: measurement distance	U_{09}	Normal	0.30
Antenna: gain of the Measurement Antenna	U_{10}	Normal	0.60
Reflectivity of absorbing material: EUT to the test antenna	U_{11}	Normal	0.50
Correction: off boresight angle in the elevation plane	U_{12}	Normal	0.50
EUT: mutual coupling to the power leads	U_{13}	Normal	0.50
Mutual coupling: amplitude effect of the test antenna on the EUT	U_{14}	Normal	0.50
Mutual coupling: EUT to its images in the absorbing material	U_{15}	Normal	0.50
Mutual coupling: EUT to its image in the ground plane	U_{16}	Normal	1.15
Mutual coupling: measuring antenna to its image in the absorbing material	U_{17}	Normal	0.50
Mutual coupling: measuring antenna to its image in the ground plane	U_{18}	Normal	0.58
Mutual coupling: interpolation of mutual coupling and mismatch loss correction factors	U_{19}	Normal	0.17
Random: System Repeatability	U_{20}	Standard Deviation	0.30
Combined Standard Uncertainty, U			2.11
Expanded Ucertainty (for a 95 % confidence level, k=2)			4.22

The measurement uncertainty is evaluated as ± 4.06 dB from 1 GHz to 10 GHz.

Contributions		Probability Distribution	Standard Uncertainty u_i(dB)
Mismatch: receiving part	U_{01}	U-shaped	0.182
Insertion loss: Measurement Antenna cable	U_{02}	Normal	0.50
Gain of the Pre-Amplifier	U_{03}	Rectangular	0.29
Receiving device: absolute level	U_{04}	Rectangular	0.58
EUT: influence of setting the power supply	U_{05}	Normal	0.03
Position of the phase centre: within the EUT volume	U_{06}	Rectangular	0.12
Positioning of the phase centre: within the EUT over the axis of rotation of the turntable	U_{07}	Rectangular	0.08
EUT: influence of the ambient temperature	U_{08}	Normal	0.10
Correction: measurement distance	U_{09}	Normal	1.26
Antenna: gain of the Measurement Antenna	U_{10}	Normal	0.60
Reflectivity of absorbing material: EUT to the test antenna	U_{11}	Normal	0.50
Correction: off boresight angle in the elevation plane	U_{12}	Normal	0.50
EUT: mutual coupling to the power leads	U_{13}	Normal	0.50
Mutual coupling: amplitude effect of the test antenna on the EUT	U_{14}	Normal	0.50
Mutual coupling: EUT to its images in the absorbing material	U_{15}	Normal	0.50
Mutual coupling: EUT to its image in the ground plane	U_{16}	Normal	0.15
Mutual coupling: measuring antenna to its image in the absorbing material	U_{17}	Normal	0.50
Mutual coupling: measuring antenna to its image in the ground plane	U_{18}	Normal	0.15
Mutual coupling: interpolation of mutual coupling and mismatch loss correction factors	U_{19}	Normal	0.00
Random: System Repeatability	U_{20}	Standard Deviation	0.40
Combined Standard Uncertainty, U			2.03
Expanded Ucertainty (for a 95 % confidence level, k=2)			4.06

3.6. Test Results

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m	Battery Type
Horizontal						
61.520	6.465	20.495	26.960	-13.040	40.000	Standard
199.750	11.593	16.577	28.170	-15.330	43.500	Standard
233.700	13.288	17.022	30.310	-15.690	46.000	Standard
384.050	19.493	12.557	32.050	-13.950	46.000	Standard
546.520	23.972	9.078	33.050	-12.950	46.000	Standard
665.350	24.865	7.735	32.600	-13.400	46.000	Standard

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
3. " ", means this data is the worst emission level.
4. For measurement over 1 GHz, noise level is more than 10 dB below the limit.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m	Battery Type
Vertical						
61.520	6.465	18.465	24.930	-15.070	40.000	Standard
165.800	11.867	14.013	25.880	-17.620	43.500	Standard
257.950	15.984	21.026	37.010	-8.990	46.000	Standard
384.050	19.493	9.767	29.260	-16.740	46.000	Standard
498.020	22.276	10.054	32.330	-13.670	46.000	Standard
699.300	25.192	9.688	34.880	-11.120	46.000	Standard

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
3. " ", means this data is the worst emission level.
4. For measurement over 1 GHz, noise level is more than 10 dB below the limit.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 1: Data Link, with Standard Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Horizontal

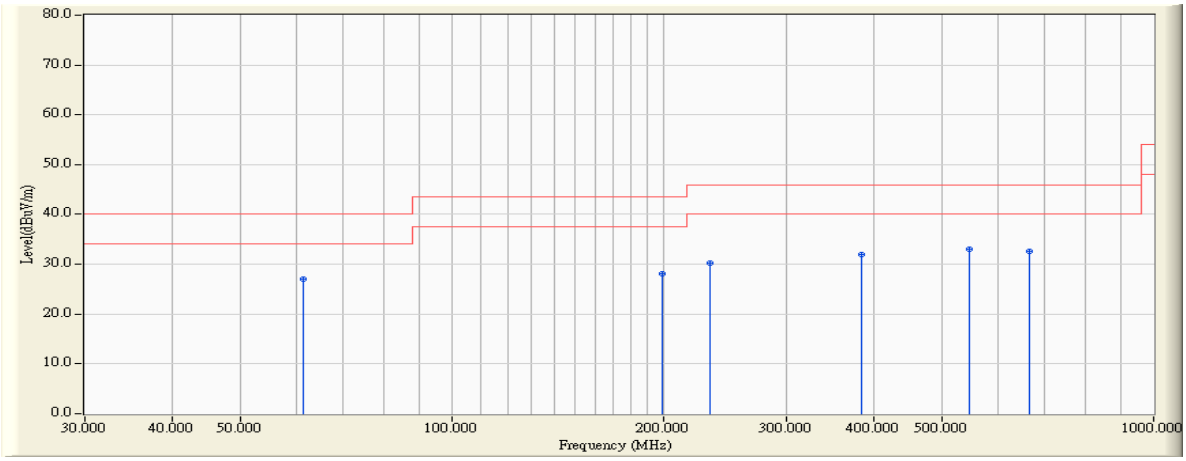


Fig. 3-3 Radiated emission measurements for mode 1.

Vertical

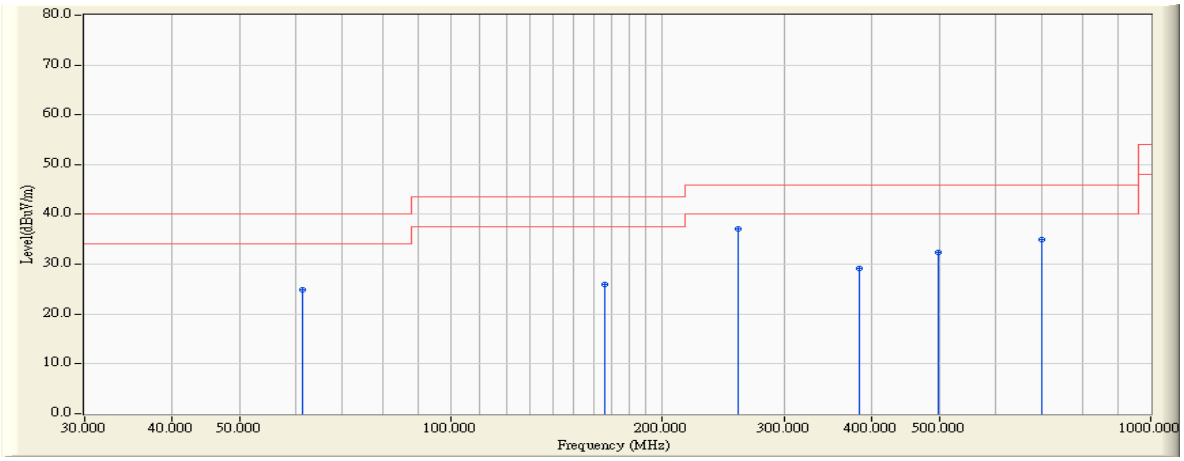


Fig. 3-4 Radiated emission measurements for mode 1.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m	Battery Type
Horizontal						
61.520	6.465	19.215	25.680	-14.320	40.000	Extended
199.750	11.593	18.917	30.510	-12.990	43.500	Extended
221.570	11.719	23.251	34.970	-11.030	46.000	Extended
367.070	18.966	14.664	33.630	-12.370	46.000	Extended
451.950	21.148	18.042	39.190	-6.810	46.000	Extended
665.350	24.865	11.225	36.090	-9.910	46.000	Extended

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
3. " ", means this data is the worst emission level.
4. For measurement over 1 GHz, noise level is more than 10 dB below the limit.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m	Battery Type
Vertical						
59.100	6.738	16.462	23.200	-16.800	40.000	Extended
143.970	12.919	14.331	27.250	-16.250	43.500	Extended
299.170	16.680	14.680	31.360	-14.640	46.000	Extended
367.070	18.966	17.334	36.300	-9.700	46.000	Extended
498.020	22.276	10.584	32.860	-13.140	46.000	Extended
641.100	24.850	10.490	35.340	-10.660	46.000	Extended

Note:

1. All Modes of operation were investigated and the worst-case emissions are supports.
2. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
3. " ", means this data is the worst emission level.
4. For measurement over 1 GHz, noise level is more than 10 dB below the limit.
5. Measurement Level = Reading Level + Correct Factor.

Product	Cellular PCS CDMA Phone with EVDO and Bluetooth (BT2.0+EDR)		
Test Mode	Mode 2: Data Link, with Extended Battery.		
Date of Test	2008/03/10	Test Site	OATS 2
Test Condition	Radiated Emission	Test Range	30M –10GHz

Horizontal

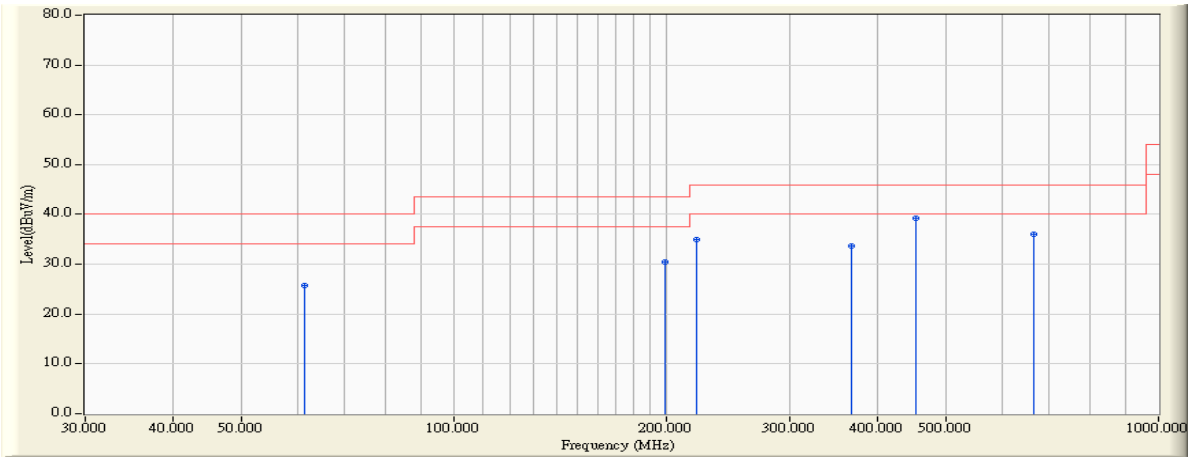


Fig. 3-5 Radiated emission measurements for mode 2.

Vertical

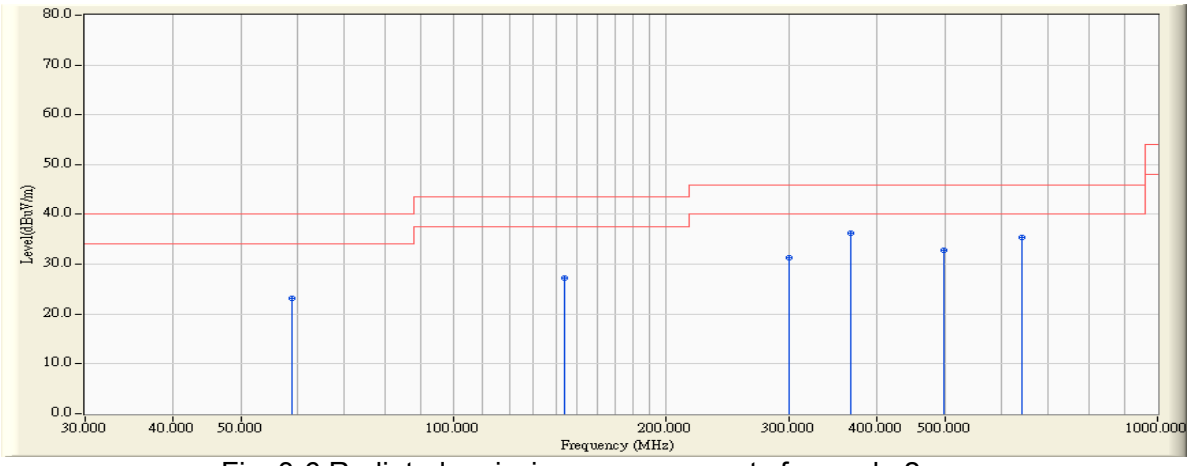


Fig. 3-6 Radiated emission measurements for mode 2.