SGS-CSTC Standards
Technical Services Co., Ltd.

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TEST REPORT

Application No. :	SHEMO09090104901
Applicant:	Dai Telecom
	3 Nirim St., Tel Aviv 67060, Isreal
FCC ID:	RI7TELITU9
Equipment Under Test (EUT):	
Name:	U9-T USB Modem
Model:	U9-T
Brand Name:	Telit
Market Name:	Telit U9
Standards:	FCC part 2, 22H & 24E
Date of Receipt:	Sep 13, 2009
Date of Test:	Sep 13, 2009 to Nov 3,2009
Date of Issue:	Nov 3,2009

Test Result :	**PASS ***

* In the configuration tested, the EUT detailed in this report complied with the standards specified above. Please refer to section 2 of this report for further details.

Tino Pan
E&E Section Manager
SGS-CSTC Co., Ltd.

Bruce Zhan
Project Engineer
SGS-CSTC Co., Ltd.

2 Test Summary

Description of Test	FCC Rules	Result
RF Power Output	2.1046(a) 22.913(a) 24.232(2)	Compliant
99% Occupied Bandwidth	2.1049(h)	Compliant
Effective Isotropic Radiated Power	2.1046(a) 22.913(a) 22.232(a)	Compliant
Out of Band Emissions at antenna Terminals and Band Edge	2.1051 22.917(a) 24.238(a)	Compliant
Field Strength of Spurious Emissions	2.1053 22.917(a) 24.238(a)	Compliant
Frequency Stability vs. Temperature and Voltage	2.1055(d)(1)(2)	Compliant
Modulation characteristics	2.1047	Compliant

3 Contents

4 General Information

4.1 Client Information

Applicant: Dai Telecom

Address of Applicant: 3 Nirim St., Tel Aviv 67060, Isreal

Manufacturer: Shanghai Suncom Logistics Ltd.

Address of Manufacturer: Building A, SIM Technology Building, No.633, Jinzhong Road, Changning District, Shanghai P.R. China 200335

4.2 General Description of E.U.T.

Product Name:	U9-T USB Modem
Brand Name	Telit
Model Name:	U9-T
Market Name:	Telit U9
Power Supply:	5V dc from USB port

GSM and WCDMA:

	Operating frequency		Rated Power
Cellular phone standards Frequency Range and Power:	GSM 850	824.2MHz-848.8MHz	33dBm
	PCS 1900	1850.2MHz-1909.8MHz	30dBm
	WCDMA HSUPA Band V	826.4MHz-846.6MHz	24dBm
Hardware Version:	V2.00		
Software Version:	QCT_30_V16_0_090827_V30.15.3_for_PCL		
IMEI:	35160200033057900		

4.3 Test Location

Tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shanghai EMC Laboratory

588 West Jindu Road, Songjiang District, Shanghai, China

Tel: +86 21 61915666 Fax: +86 21 61915655

4.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC – Registration No.: 402683**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration **402683**.

4.5 Test Methodogy

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA-603-C-2004 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

The procedure of KDB941225 was used for EUT and Base station setting.

5 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	Spectrum Analyzer	Rohde & Schwarz	FSP-30	100324	2009-4-21	2010-4-20
2	EMI test receiver	Rohde & Schwarz	ESU40	100109	2009-6-4	2010-6-3
3	Broadband Horn ANTENNA	SCHWARZBECK	BBHA9170	9170-373	2009-6-4	2010-6-3
4	Double ridged broadband horn ANTENNA	SCHWARZBECK	BBHA9120D	9120D-679	2009-6-4	2010-6-3
5	ANTENNA	Rohde & Schwarz	HF906	100285	2009-10-9	2010-10-8
6	Ultra broadband antenna	Rohde & Schwarz	HL562	100227	2009-10-9	2010-10-8
7	Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	9168-313	2009-6-4	2010-6-3
8	Atmosphere pressure meter	Shanghai ZhongXuan Electronic Co., Ltd	BY－2003P	--	2009-10-15	2010-10-14
9	CLAMP METER	FLUKE	316	86080010	2009-04-27	2010-04-26
10	Thermo-Hygrometer	ZHICHEN	ZC1-2	01050033	2009-10-15	2010-10-14
11	Digital illuminance meter	TES electrical electronic Corp.	TES-1330A	050602219	2009-10-14	2010-10-13
12	High-low temperature cabinet	Shanghai YuanZhen	GW2050	--	2009-6-18	2010-6-17
13	DC power	KIKUSUI	PMC35－3	NF100260	2009-1-16	2010-1-15
14	Power meter	Rohde & Schwarz	NRP	101641	2009-5-5	2010-5-4
15	UNIVERSAL RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMU 200	103633	2009-4-14	2010-4-13
16	Tunable Notch Filter	WRCT800.0/880.0-0.2/40-5SSK	Wainwright instruments Gmbh	9	2009-1-27	2010-1-26

17	Tunable Notch Filter	WRCT1800.0/2000.0-0.2/40-5SSK	Wainwright instruments Gmbh	11	2009-1-27	2010-1-26
18	Band Reject Filter	WRCG 824/849-814/859-40/8SS	Amiden,Ireland	29	2009-1-27	2010-1-26

AC Conducted Measuring Equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2009-6-4	2010-6-3
2	Line impedance stabilization network	SCHWARZBECK	NSLK8127	8127-490	2009-05-08	2010-05-07

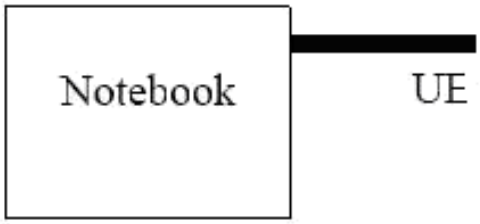
6 Test Results

6.1 E.U.T. test conditions

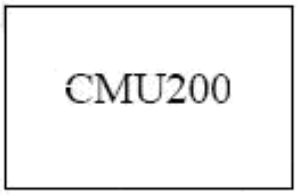
Power supply: DC 5.0V

Operating Environment:
Temperature: 20.0 -25.0 °C
Humidity: 38-48 % RH
Atmospheric Pressure: 992 -1006 mbar

Configuration of Tested System:



Remote Side



Notebook:

Manufacturer: IBM

Model no.: T42

Serial No.: 2374IMN

6.2 RF Power Output

Test Requirement: Part 2.1046

Part 22.913(a) Mobile station are limited to 7W

Part 24.232(d) peak Power measurement, FCC 24.232(c) Maximum Power reduction 3GPP Power Limitation for HSUPA.

Maximum Output Powers With GSM 850 for test:

Normal Peak output power:	Limit:
30dBm	7W(38.45dBm)

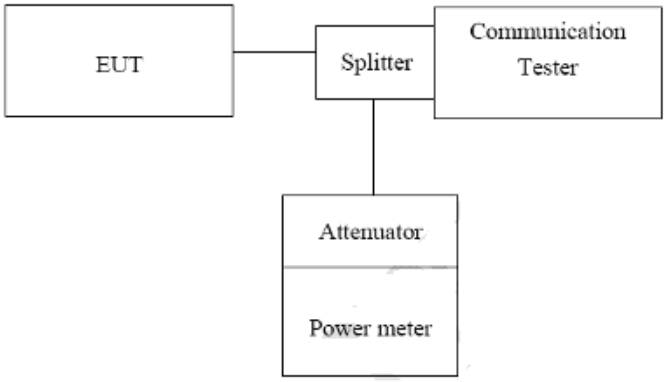
Maximum Output Powers With PCS 1900 for test:

Normal Peak output power:	Limit:
30dBm	2W(33.0dBm)

Maximum Output Powers With HSUPA for test:

Power (dBm)	Limit:
+24	7W(38.45dBm)

Test Setup



Measurement Setup for testing on Antenna connector.

Test Date: Sep 17,2009 to Nov 13, 2009

Test Status: Test lowest, middle, highest channel.

Test Procedure:

The transmitter output was connected to calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power in dBm. The power output at the transmitter antenna port was determined by adding the vaule of attenuator to the power meter reading.

Measurement Result:

RF Conducted output power

GSM 850(GMSK) Result:

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
824.2	128	32.17	32.08
836.6	190	32.19	32.11
848.8	251	32.17	32.09

PCS 1900(GMSK) Result:

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
1850.2	512	28.70	28.56
1880.0	661	28.64	28.51
1909.8	810	28.57	28.43

GSM 850(8-PSK) Result:

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
824.2	128	32.24	29.31
836.6	190	32.20	29.22
848.8	251	32.18	29.12

PCS 1900(8-PSK) Result:

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
1850.2	512	28.88	25.87
1880.0	661	28.71	25.71
1909.8	810	28.63	25.66

WCDMA Band V

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
826.4	4132	21.18	21.11
836.6	4183	21.39	21.32
846.6	4233	21.42	21.33

HSUPA Band V

Frequency(MHz)	Channel:	Peak power (dBm)	AV power (dBm)
826.4	4132	20.47	20.39
836.6	4183	20.51	20.44
846.6	4233	20.63	20.51

6.3 Occupied Bandwidth

Test Requirement: Part 2.1049

Test Date: Sep 16, 2009 to Nov 3,2009

Test Status: Test lowest, middle, highest channel.

Test Procedure:

The EUT output RF connector was connected with a short a cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW>=3 times RBW, 99% bandwidth were measured, the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

Test result:

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (kHz)
GSM 850 GMSK	824.2	128	245.192
	836.6	190	245.192
	848.8	251	245.192

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (kHz)
PCS 1900 GMSK	1850.2	512	242.788
	1880.0	661	245.192
	1909.8	810	245.192

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (kHz)
GSM 850 8-PSK	824.2	128	247.596
	836.6	190	245.192
	848.8	251	245.192

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (kHz)
PCS 1900 8-PSK	1850.2	512	250.000
	1880.0	661	245.192
	1909.8	810	247.596

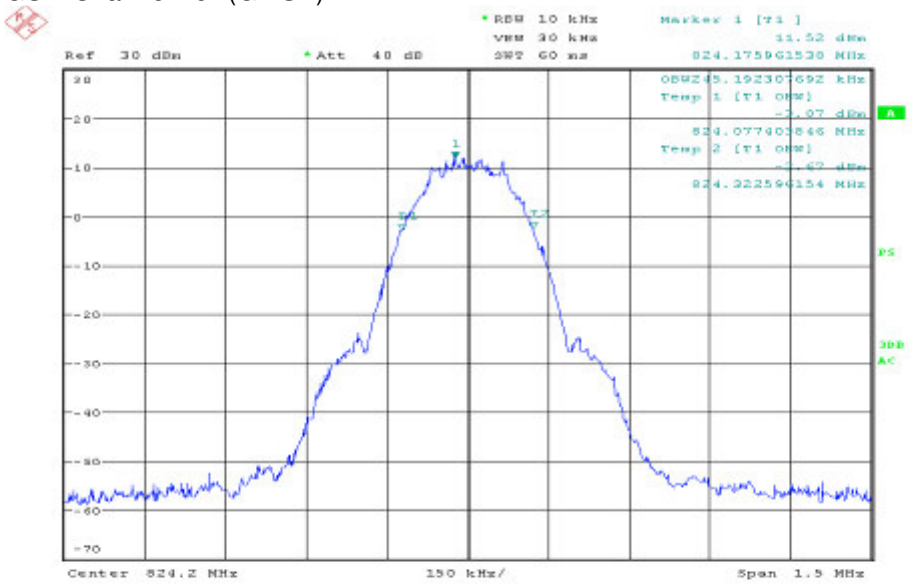
EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
WCDMA Band V	826.4	4132	4.1730
	836.6	4183	4.1923
	846.6	4233	4.1826

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
HSUPA V	826.4	4132	4.1826
	836.6	4183	4.1923
	846.6	4233	4.1923

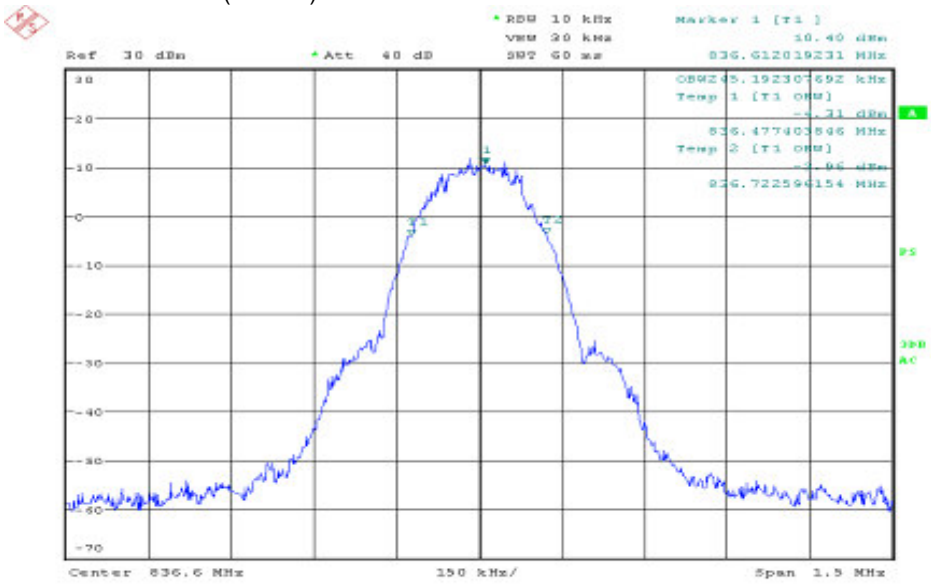
99% Bandwidth

Graph:

GSM Channel Low(GMSK)

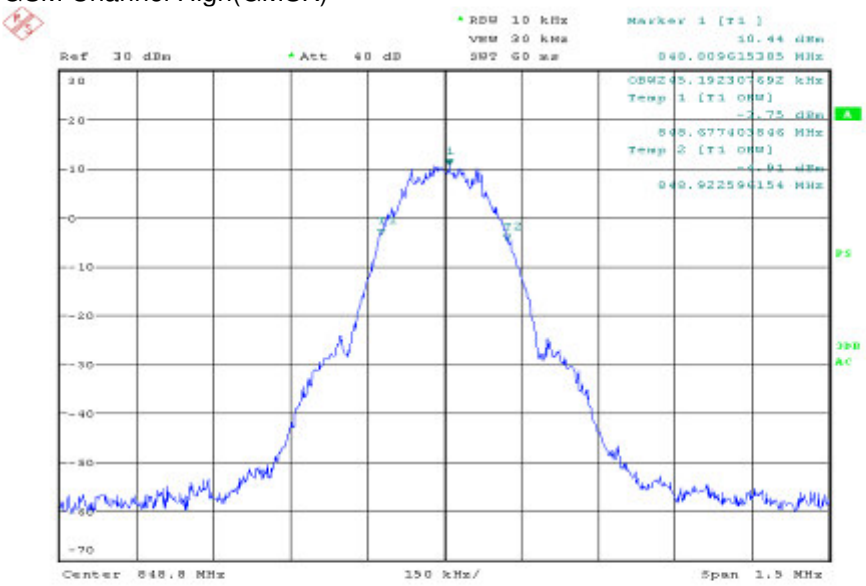


GSM Channel Mid(GMSK)



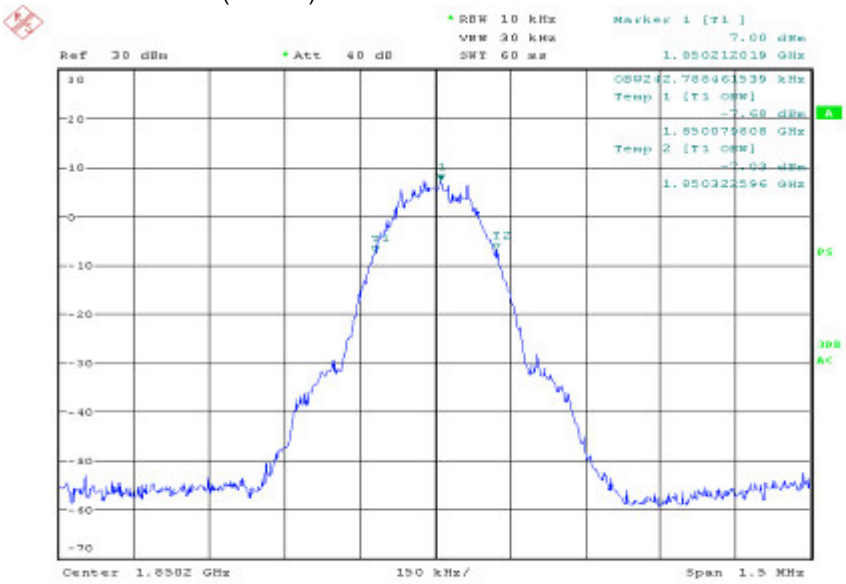
99% Bandwidth

GSM Channel High(GMSK)



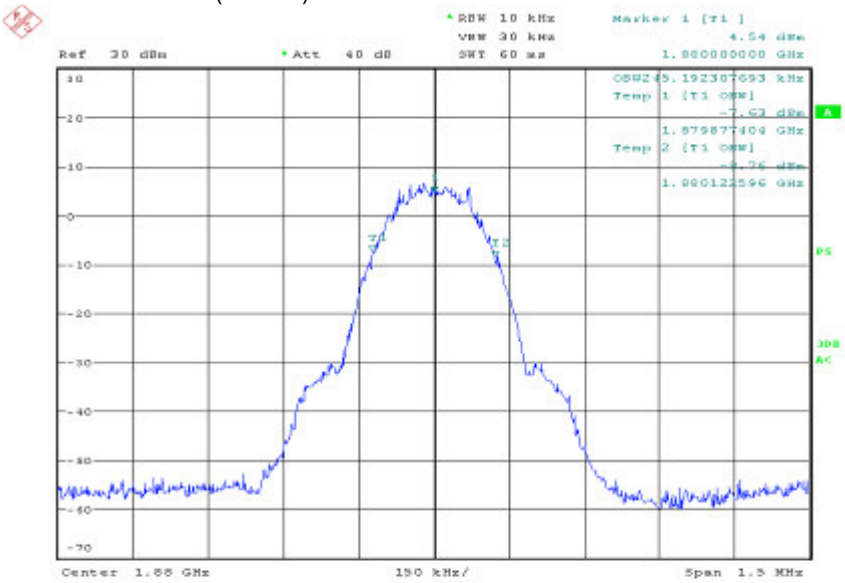
99% Bandwidth

PCS Channel Low(GMSK)



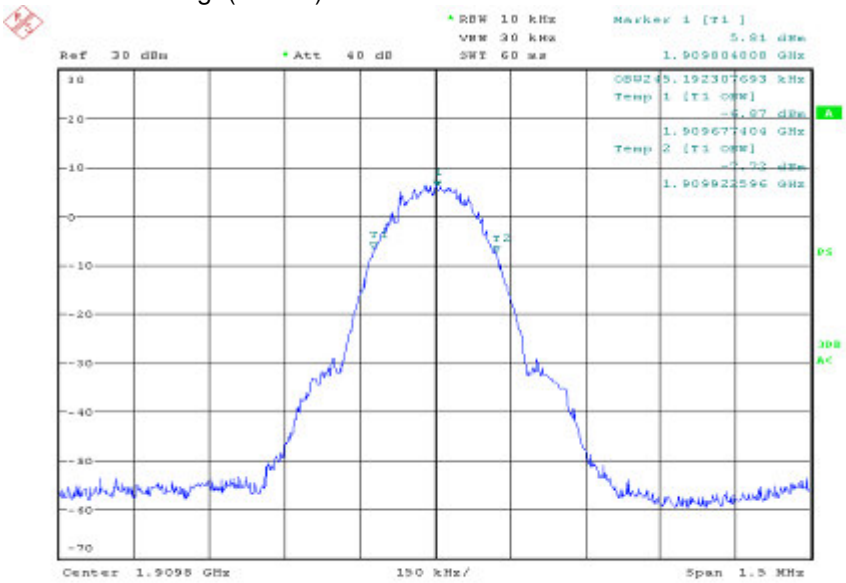
99% Bandwidth

PCS Channel Mid(GMSK)



99% Bandwidth

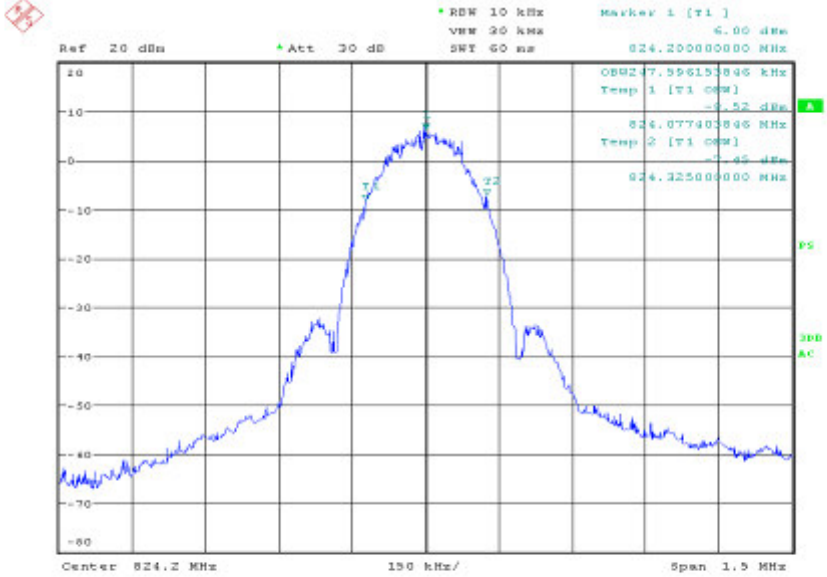
PCS Channel High(GMSK)



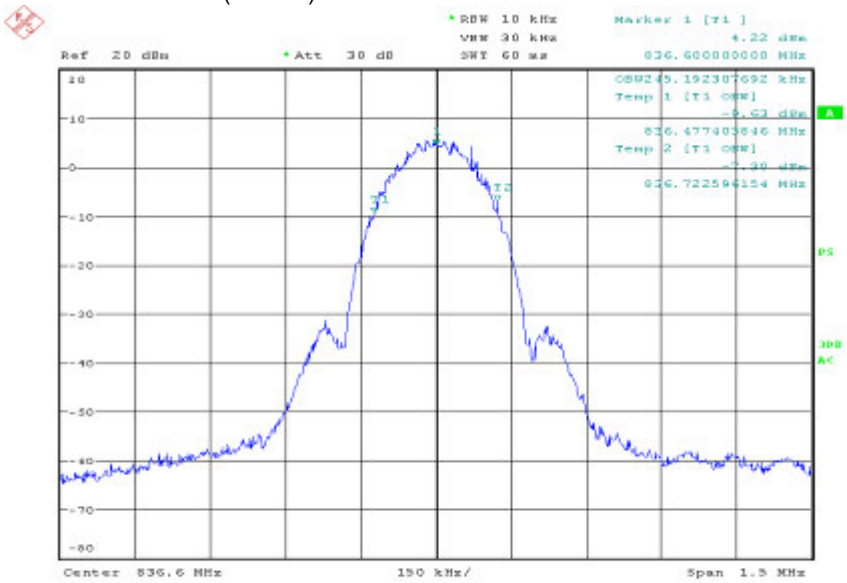
99% Bandwidth

Graph:

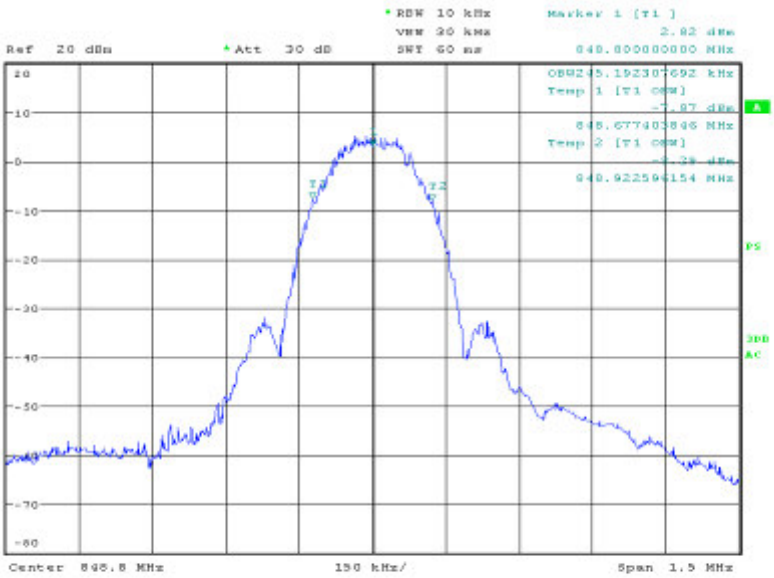
GSM Channel Low(8-PSK)



GSM Channel Mid(8-PSK)

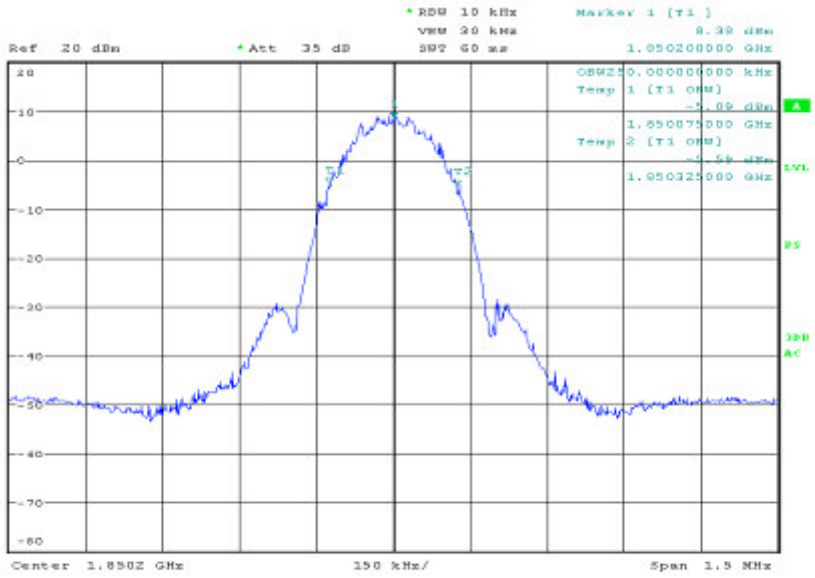


GSM Channel High(8-PSK)

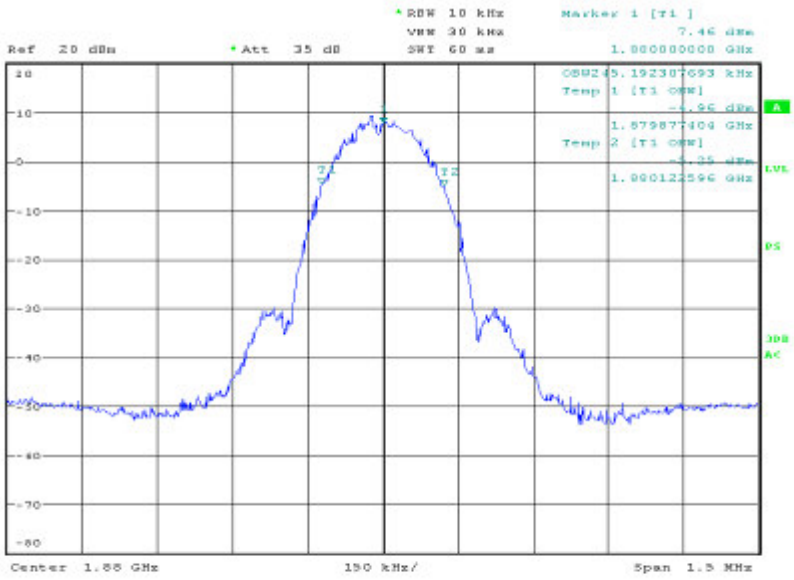


99% Bandwidth

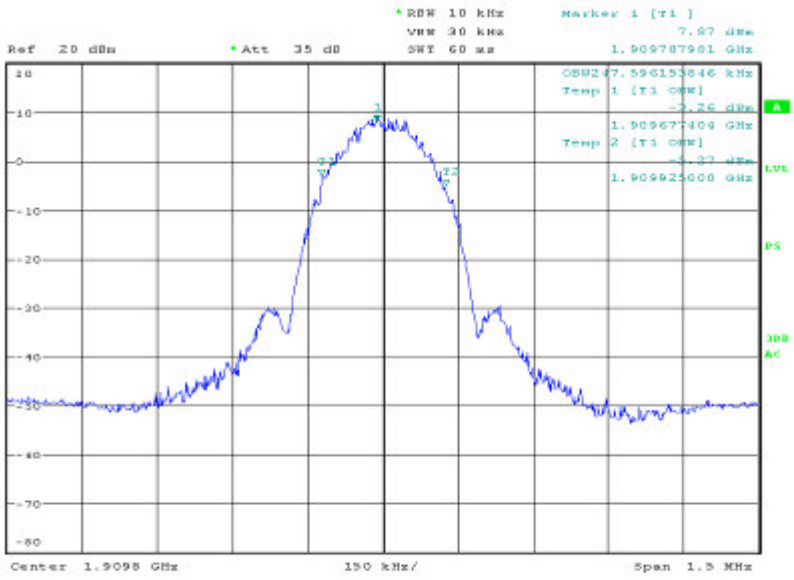
PCS Channel Low(8-PSK)



PCS Channel Mid(8-PSK)

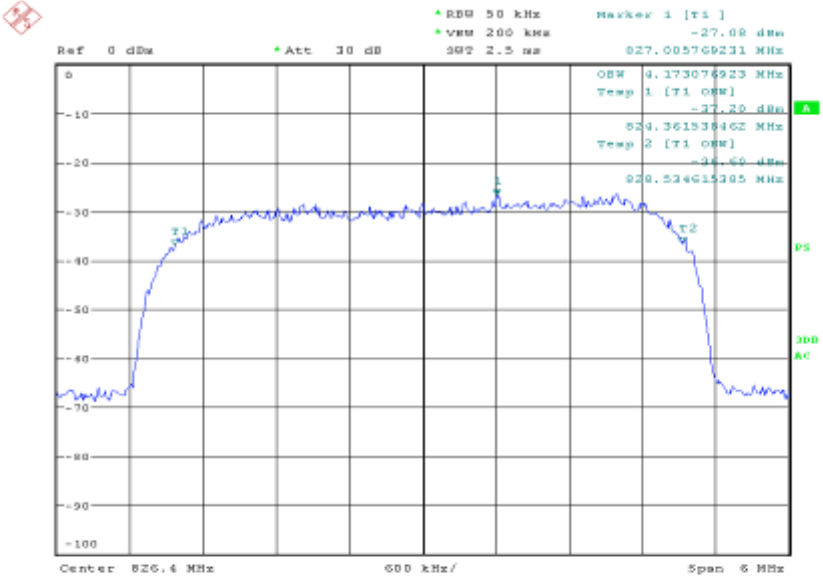


PCS Channel High(8-PSK)



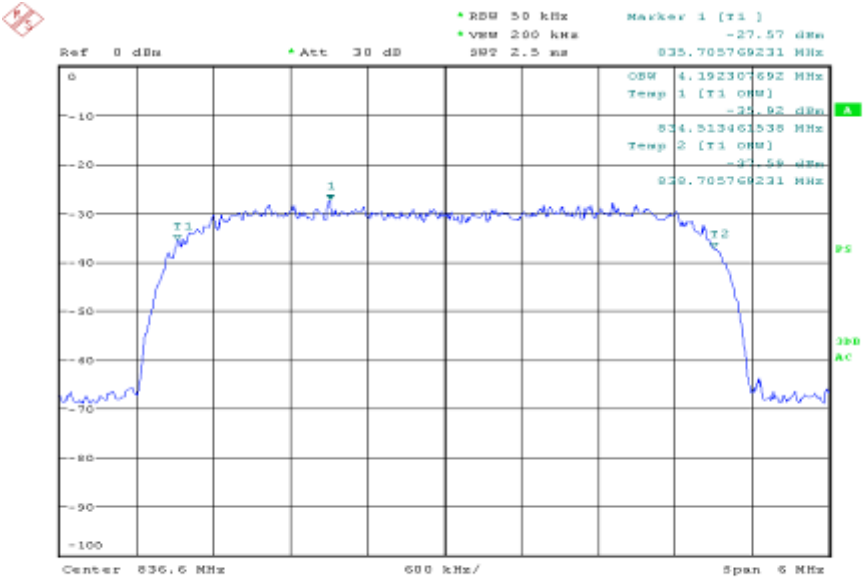
99% Bandwidth

WCDMA V Channel Low



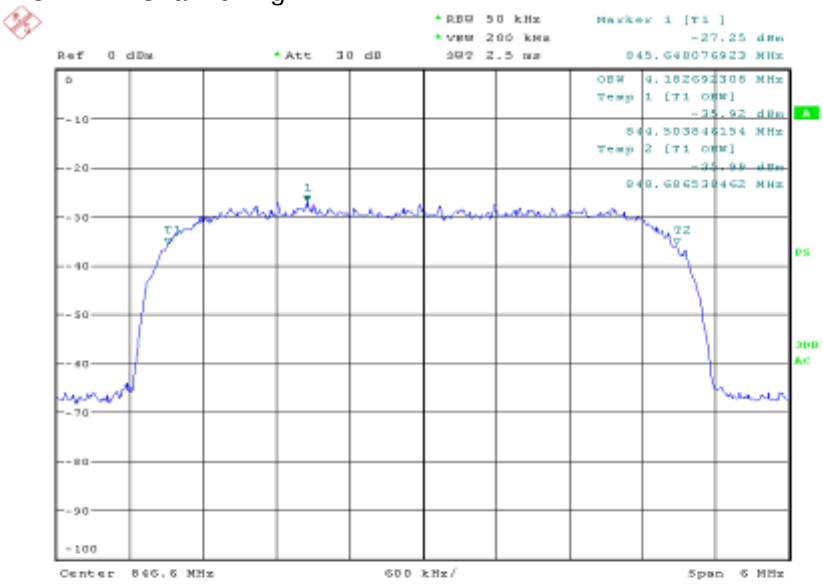
99% Bandwidth

WCDMA V Channel Mid



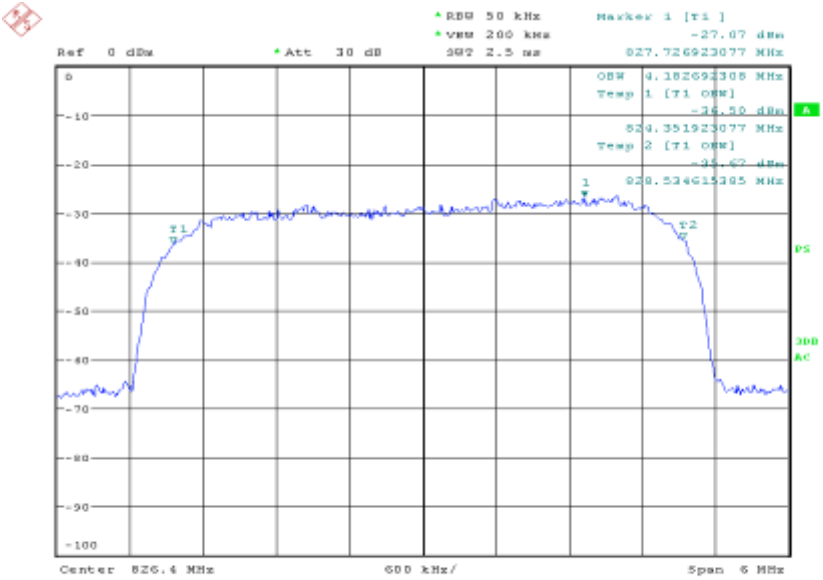
99% Bandwidth

WCDMA V Channel High



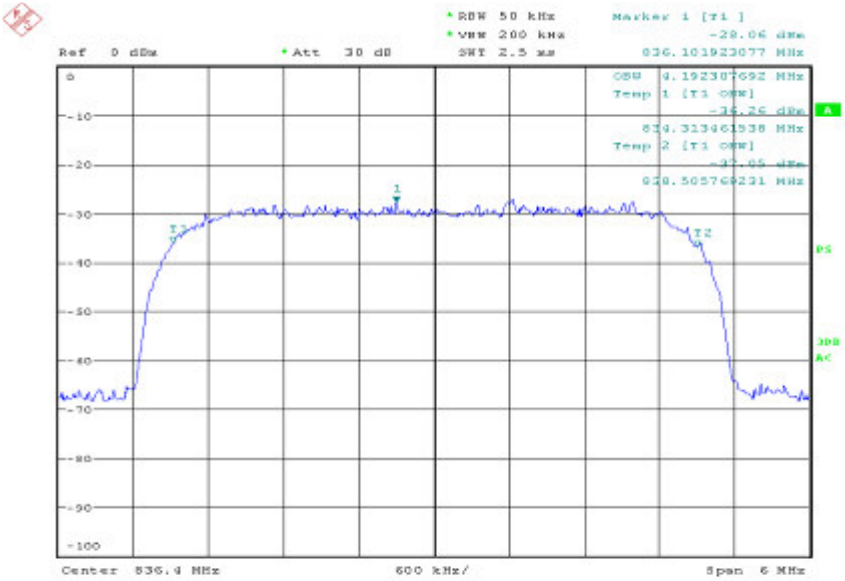
99% Bandwidth

HSUPA V Channel Low



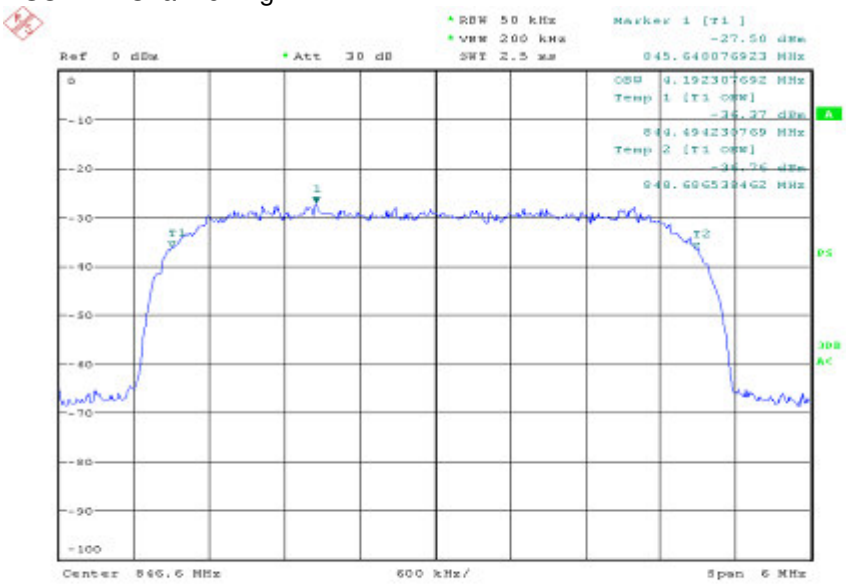
99% Bandwidth

HSUPA V Channel Mid



99% Bandwidth

HSUPA V Channel High



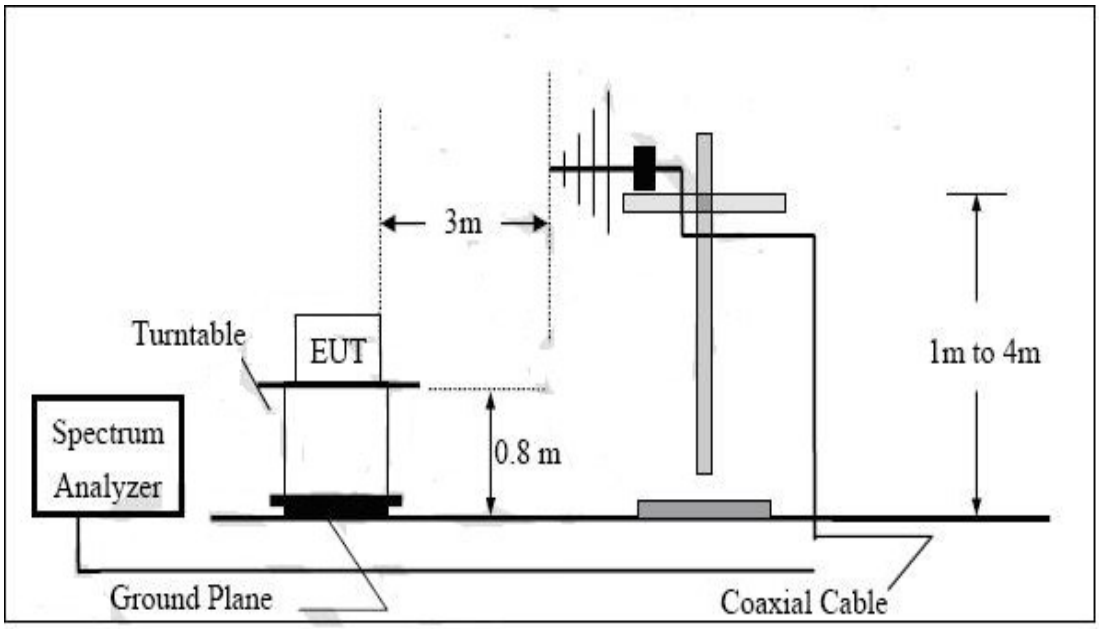
6.4 Effective Isotropic Radiated Power

Test Requirement: Part 2.1046
Part 24.232(b) Mobile station are Limited to 2W ERP.
Part 22.913(a) Mobile station are limited to 7W EIRP.

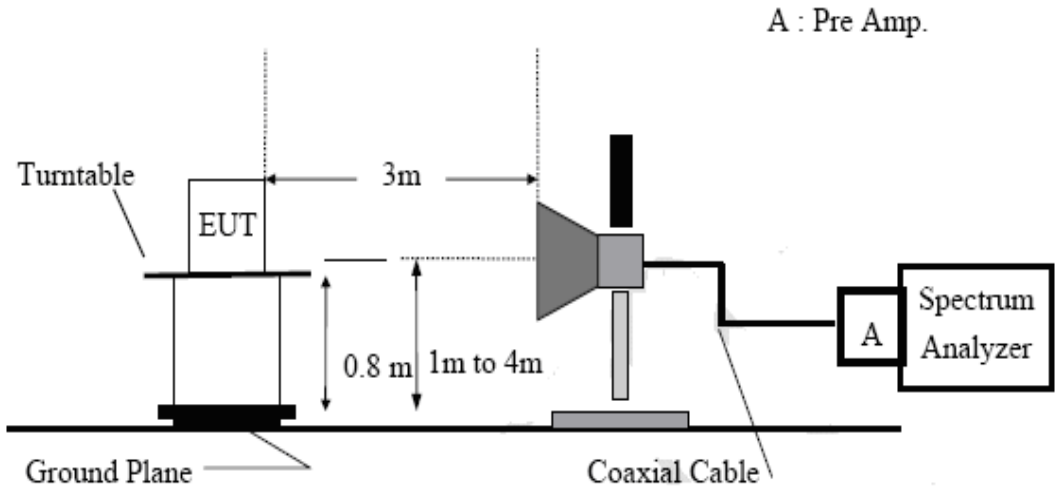
Test Date: Sep 17, 2009 to Nov 3, 2009

Test Setup:

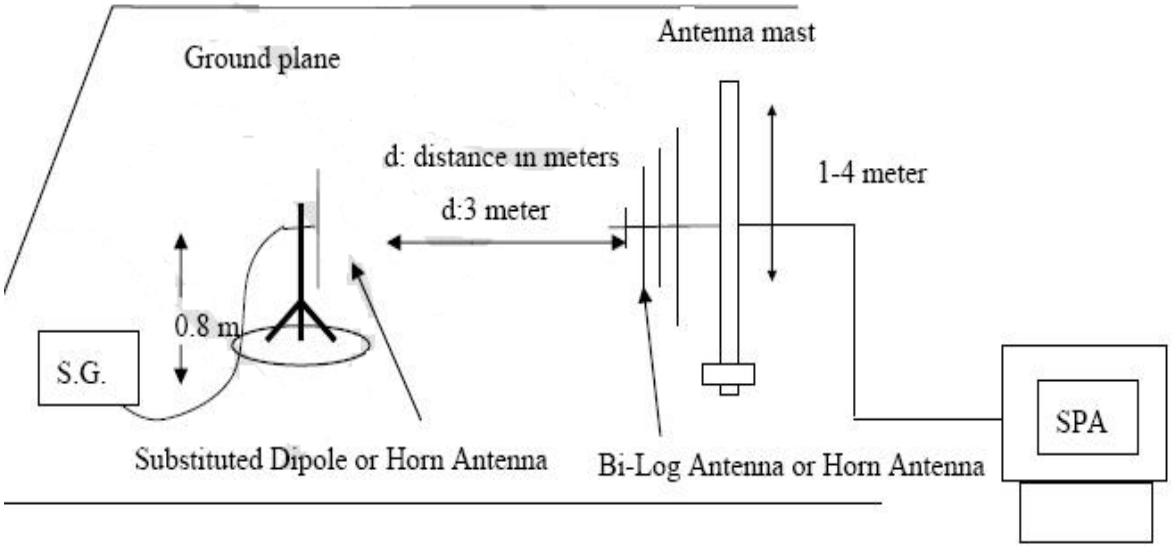
(A) Radiated emission Test setup, Below Frequency 1000MHz:



(B) Radiated emission Test setup frequency over 1GHz:



(C) Substituted Method Test setup:



Test Procedure:

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength(E in dBuV/m) was calculated.

ERP in frequency band 824.2-848.8MHz were measured using substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follow:

EIRP in frequency band 1710-1755MHz and 1850.5-1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

ERP=S.G. output (dBm) + Antenna Gain (dBd) - Cable Loss(dB)

EIRP= S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss(dB)

The procedure of KDB941225 (SAR Measurement Procedures for 3G devices) was used for EUT and Base station setting.

Measurement result:

(1) The RBW, VBW of SPA for frequency

Below 1GHz was RBW=300KHz, VBW=1MHz; Above 1GHz was RBW=1MHz, VBW=3MHz.

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBd)	Cable loss (dB)	ERP (dBm)	Limit (dBm)
GSM 850 GMSK	824.2	128	H	V	103.77	18.75	8.40	3.32	23.83	38.45
				H	105.73	20.31	8.40	3.32	25.39	38.45
	836.6	190	H	V	105.01	19.55	8.42	3.40	24.57	38.45
				H	103.42	18.13	8.42	3.40	23.15	38.45
	848.8	251	H	V	102.83	16.76	8.47	3.43	21.80	38.45
				H	104.46	18.73	8.47	3.43	23.77	38.45

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBi)	Cable loss (dB)	EIRP (dBm)	Limit (dBm)
PCS 1900 GMSK	1850.2	512	H	V	103.44	15.23	9.15	4.15	20.23	33.00
				H	106.52	17.29	9.15	4.15	22.29	33.00
	1880.0	661	H	V	102.54	13.56	9.22	4.28	18.50	33.00
				H	107.68	16.63	9.22	4.28	21.57	33.00
	1809.8	810	H	V	104.23	12.74	9.25	4.41	17.58	33.00
				H	105.59	14.52	9.25	4.41	19.36	33.00

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBd)	Cable loss (dB)	ERP (dBm)	Limit (dBm)
GSM 850 8-PSK	824.2	128	H	V	104.12	18.73	8.4	3.32	23.81	38.45
				H	104.21	19.80	8.4	3.32	24.88	38.45
	836.6	190	H	V	105.46	19.21	8.42	3.4	24.23	38.45
				H	102.76	17.77	8.42	3.4	22.79	38.45
	848.8	251	H	V	100.76	15.63	8.47	3.43	20.67	38.45
				H	101.76	17.66	8.47	3.43	22.70	38.45

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBi)	Cable loss (dB)	EIRP (dBm)	Limit (dBm)
PCS 1900 8-PSK	1850.2	512	H	V	101.24	13.86	9.15	4.15	18.86	33.00
				H	103.73	14.73	9.15	4.15	19.73	33.00
	1880.0	661	H	V	100.88	12.13	9.22	4.28	17.07	33.00
				H	104.34	13.93	9.22	4.28	18.87	33.00
	1809.8	810	H	V	101.69	10.76	9.25	4.41	15.6	33.00
				H	101.76	12.58	9.25	4.41	17.42	33.00

(2) The RBW, VBW of SPA for frequency

Below 1GHz was RBW=5MHz, VBW=5MHz; Above 1GHz was RBW=5MHz, VBW=5MHz

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBd)	Cable loss (dB)	ERP (dBm)	Limit (dBm)
WCDMA Band V	826.4	4132	H	V	100.88	10.3	8.41	3.31	15.40	38.45
				H	103.23	9.43	8.41	3.31	14.53	38.45
	836.0	4183	H	V	104.11	12.9	8.44	3.40	17.94	38.45
				H	103.66	13.2	8.44	3.40	18.24	38.45
	846.6	4233	H	V	99.58	6.33	8.50	3.44	11.39	38.45
				H	103.77	11.93	8.50	3.44	16.99	38.45

EUT mode	Frequency(MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. output (dBm)	Antenna Gain (dBd)	Cable loss (dB)	ERP (dBm)	Limit (dBm)
HSUPA Band V	826.4	4132	H	V	98.60	10.38	8.41	3.31	15.48	38.45
				H	99.44	9.46	8.41	3.31	14.56	38.45
	836.0	4183	H	V	100.34	10.56	8.44	3.40	15.60	38.45
				H	100.77	11.22	8.44	3.40	16.26	38.45
	846.6	4233	H	V	100.82	9.73	8.50	3.44	14.79	38.45
				H	101.00	11.09	8.50	3.44	16.15	38.45

6.5 Out of band emissions at antenna Terminals

6.5.1 Band edges emissions

Test Requirement: Part 2.1051

FCC part 22.917(a), 24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specification in the instruction manual and/or alignment procedure, shall not be less than 43+10log(Mean power in watts) dBc below the mean power output outside a license's frequency block(-13dBm).

Test Date: Sep 18, 2009 to Nov 3,2009

Test Procedure:

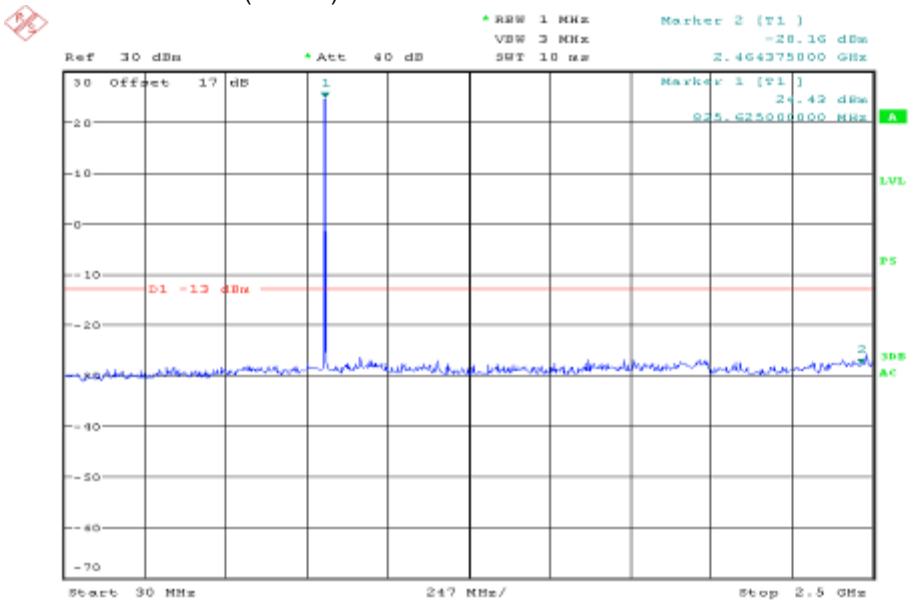
The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emission is any up to 10^{th} harmonic.

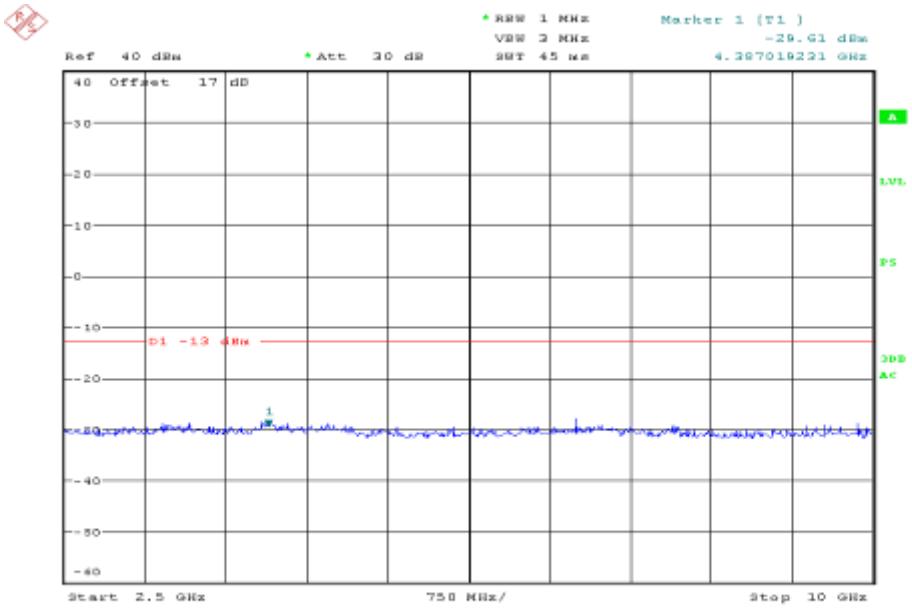
For the out of band: set RBW, VBW=1MHz, stat=30MHz, stop= 10 th harmonic. Limit= --13dBm

Band Edge requirements: In 1Mhz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 % of bandwidth of fundamental emission of the transmitter any be employed to measure the out of band emission. Limit=--13dBm.

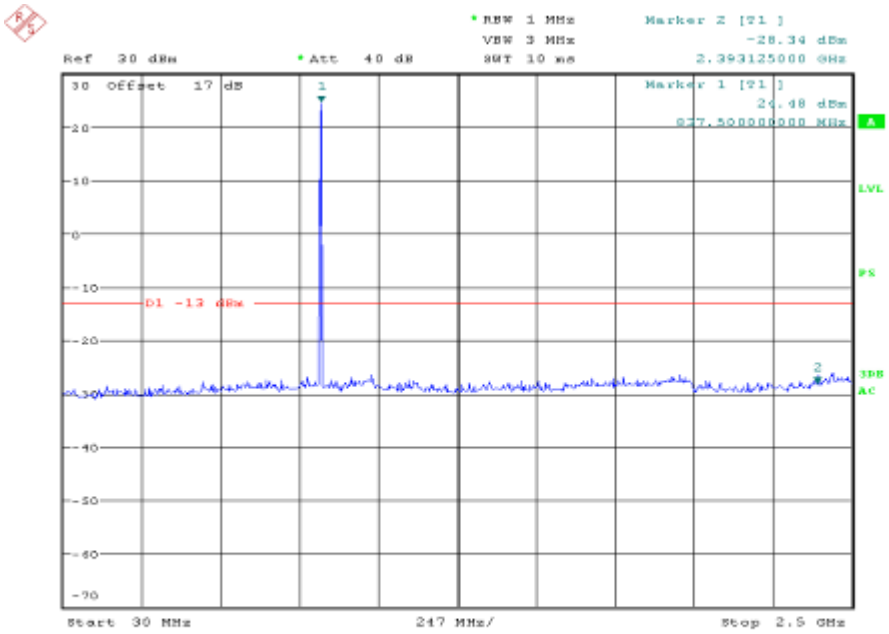
Measurement result:

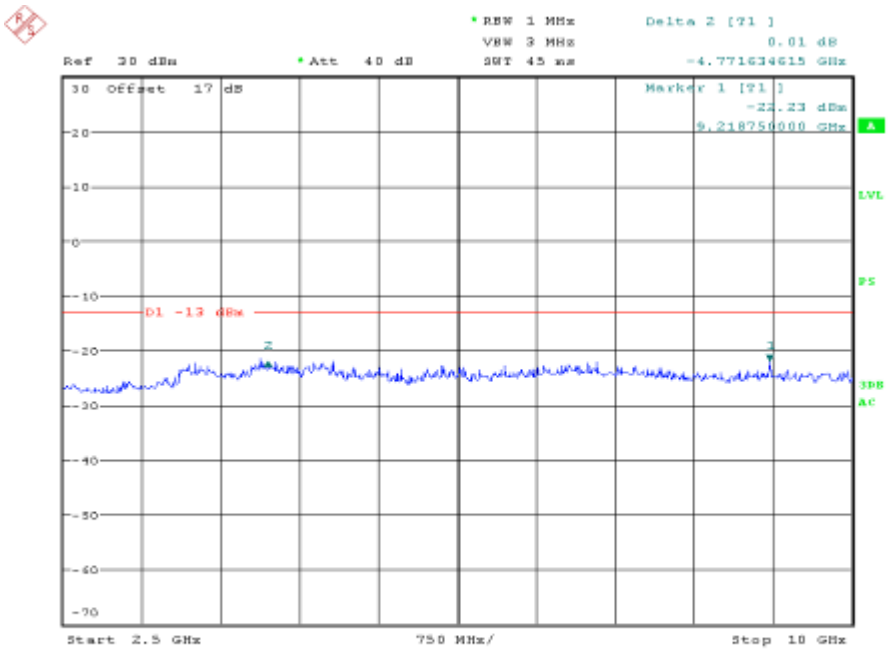
GSM Channel Low: (GMSK)



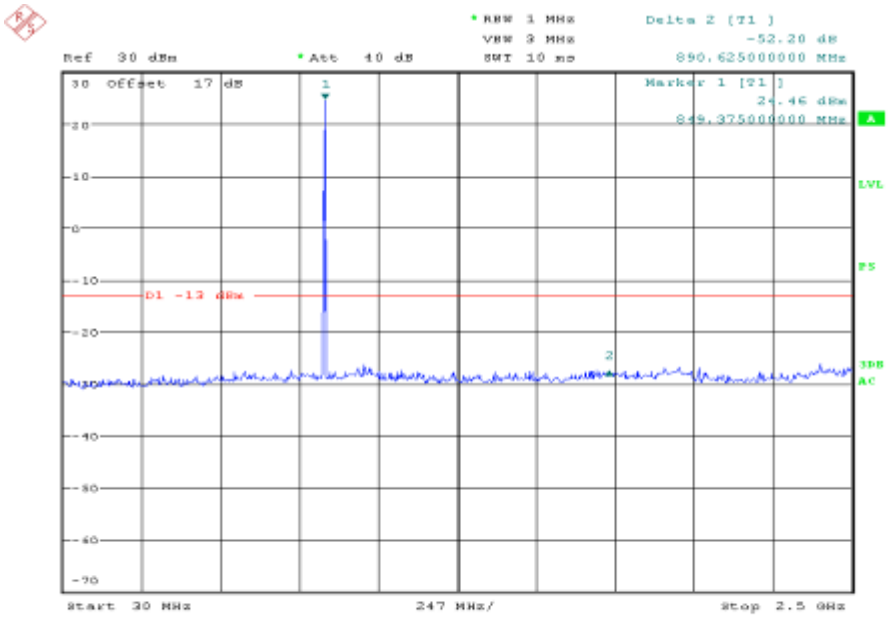


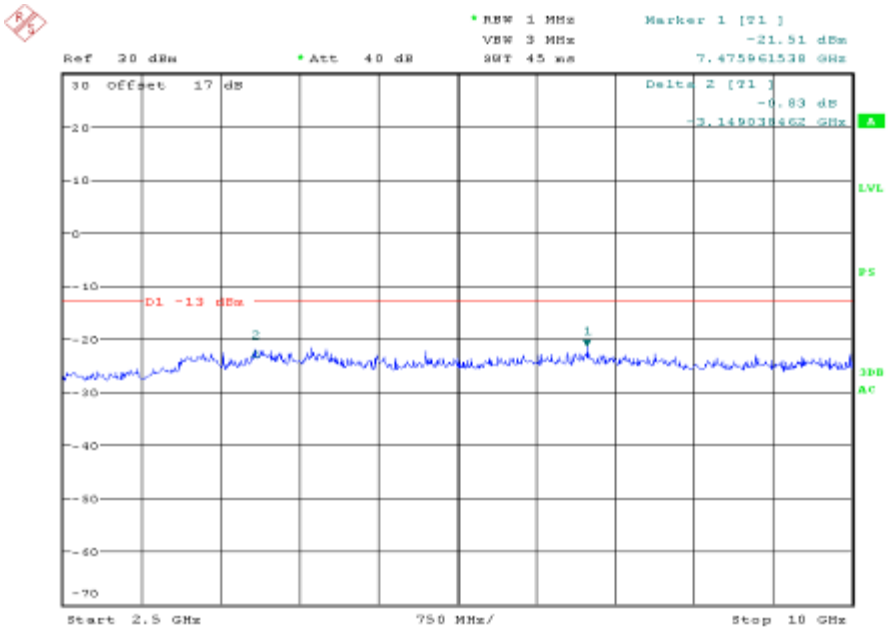
GSM Channel Mid: (GMSK)



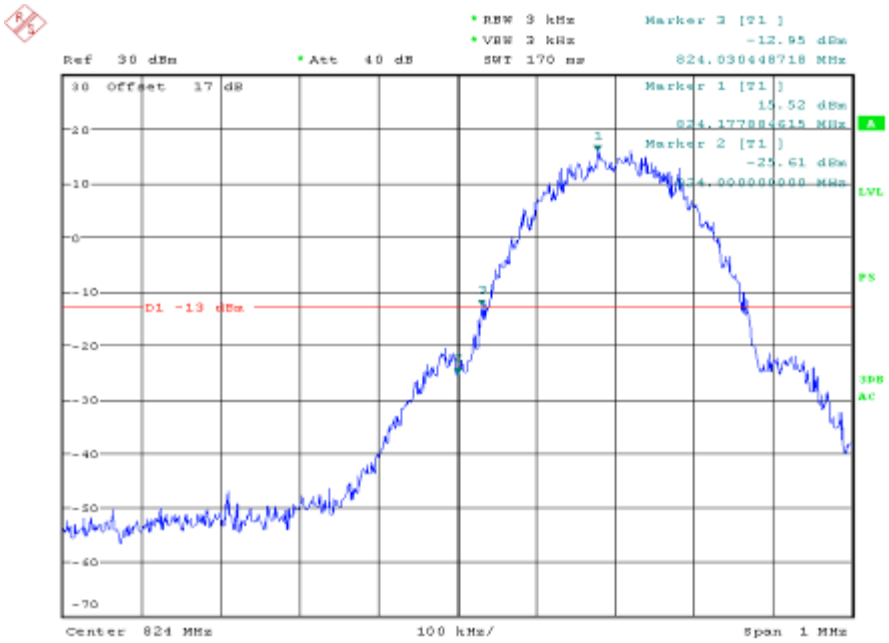


GSM Channel High: (GMSK)

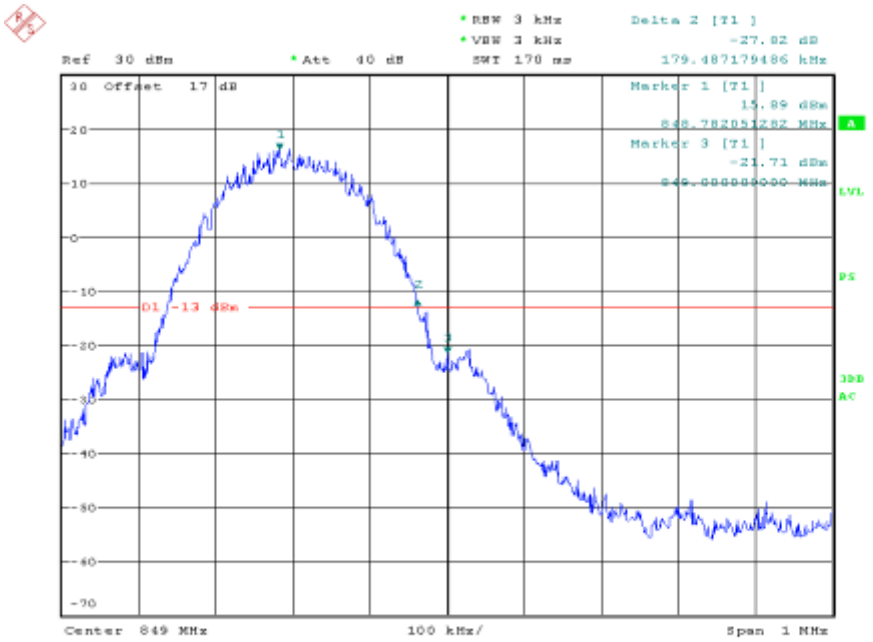




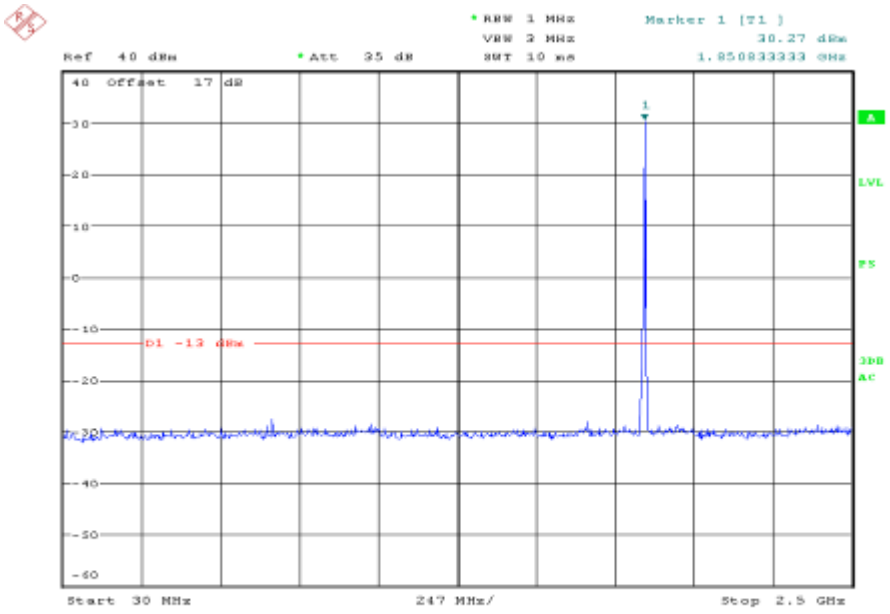
Band Edge emission GSM Channel Low: (GMSK)

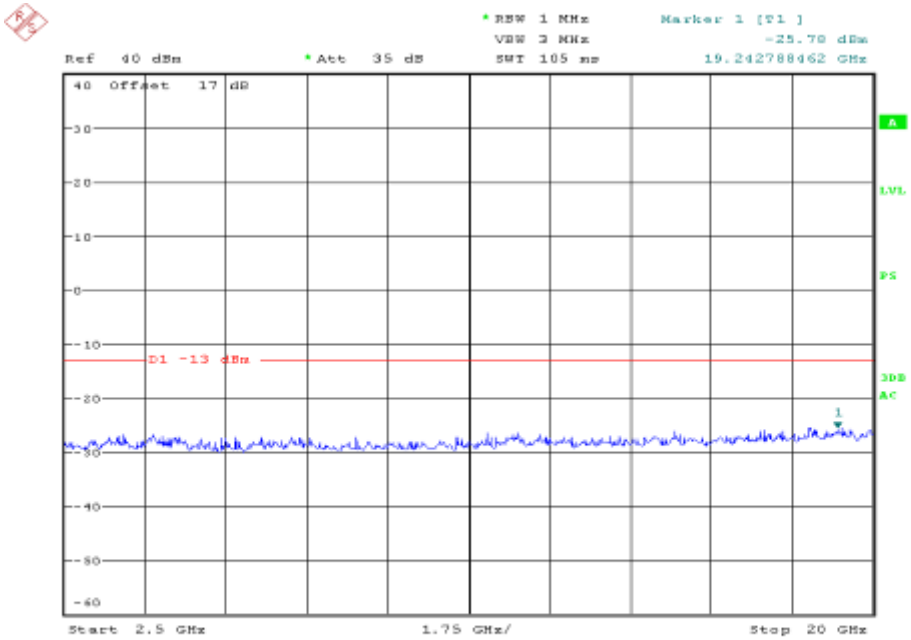


Band Edge emission GSM Channel high: (GMSK)

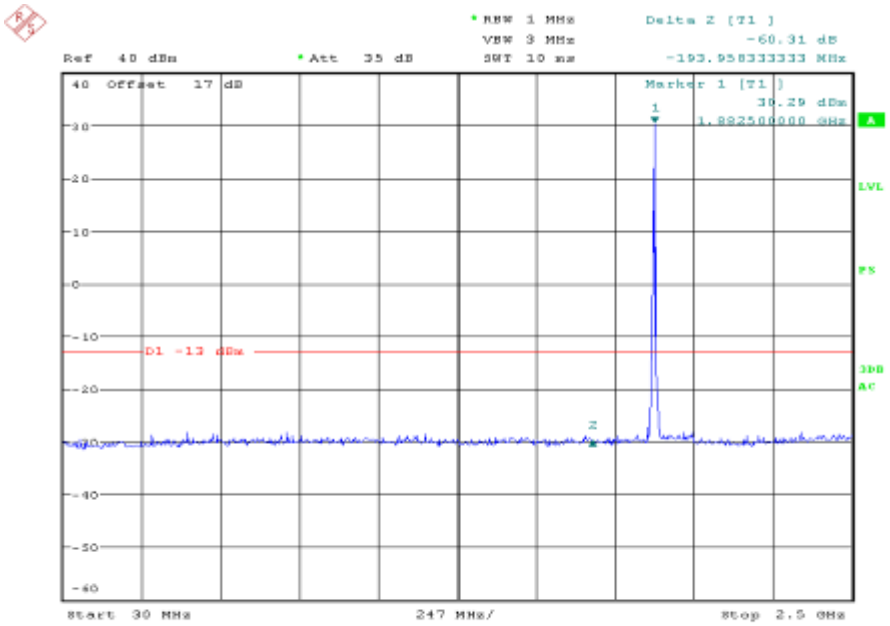


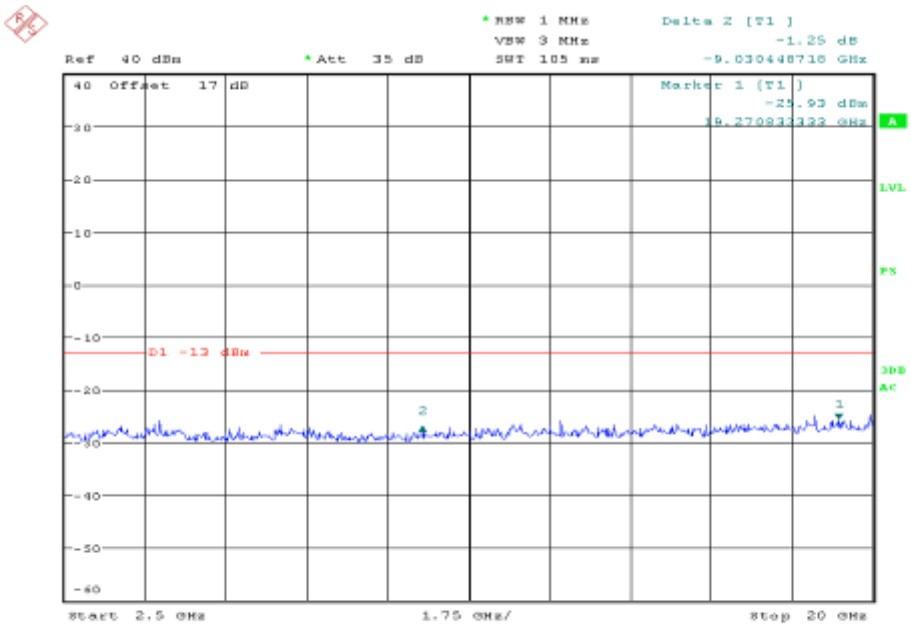
PCS Channel Low: (GMSK)



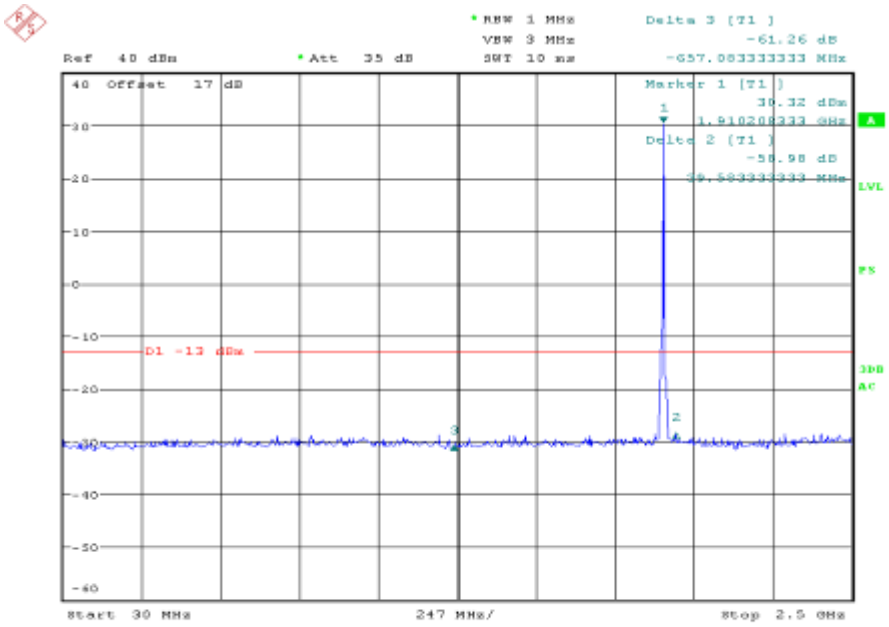


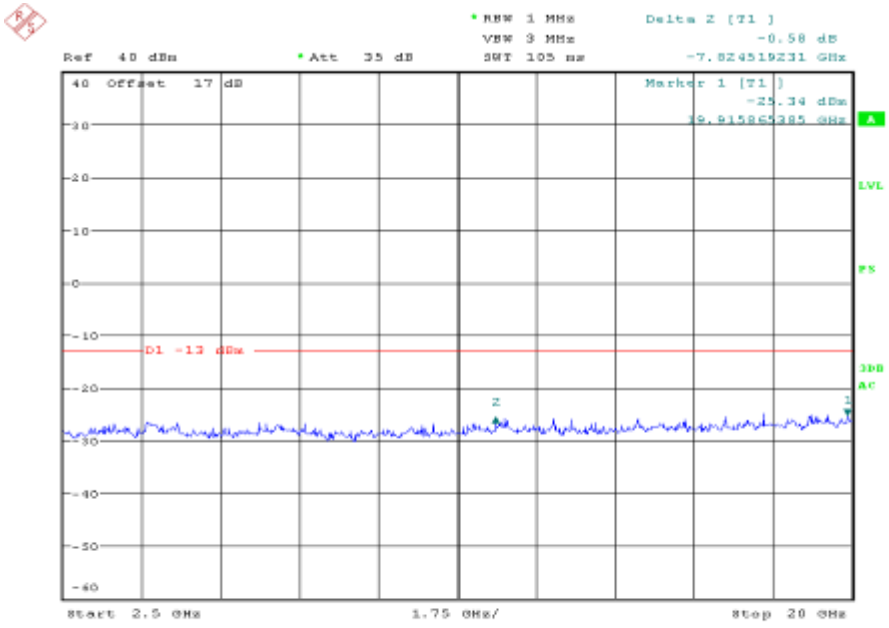
PCS Channel Mid: (GMSK)



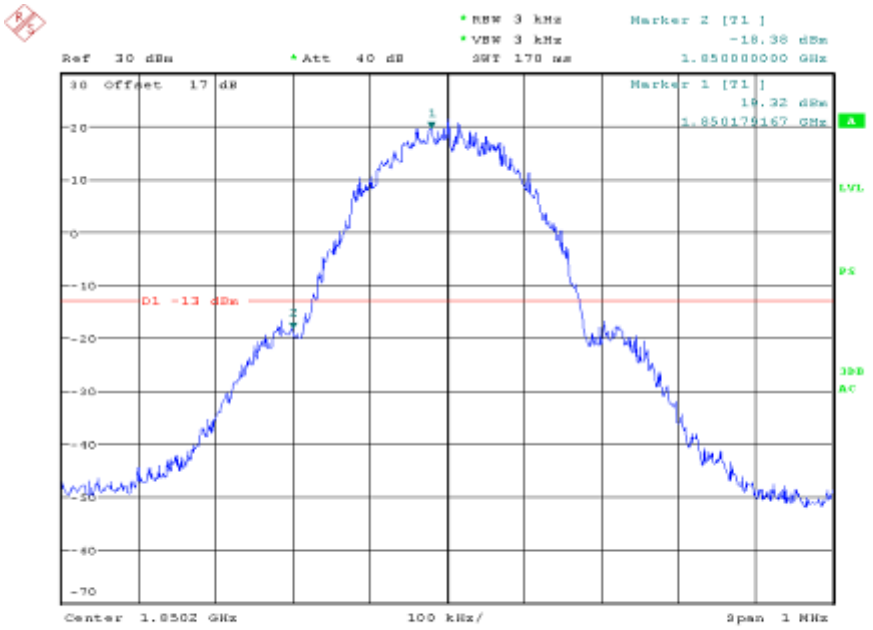


PCS Channel High: (GMSK)

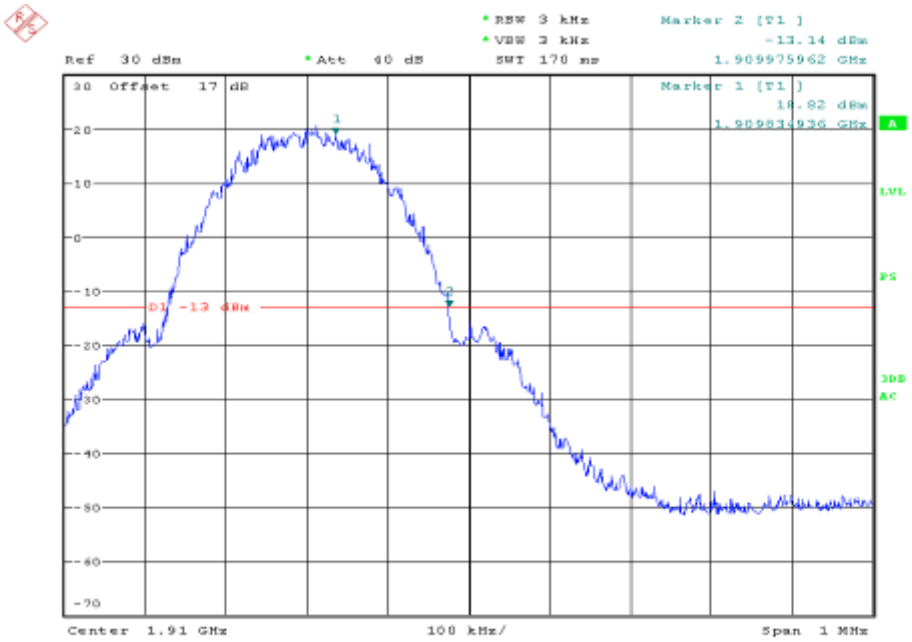




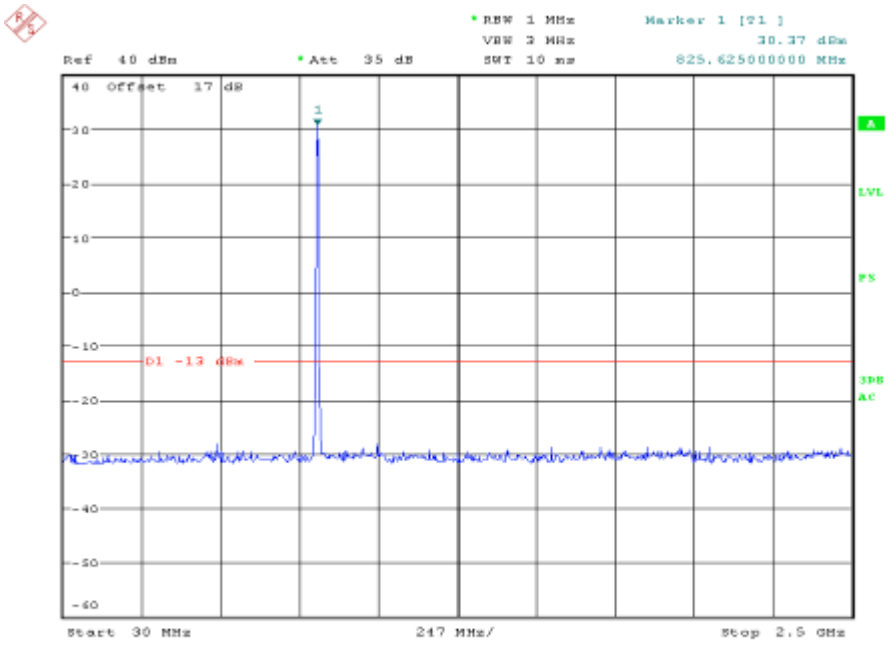
Band Edge emission PCS Channel Low: (GMSK)

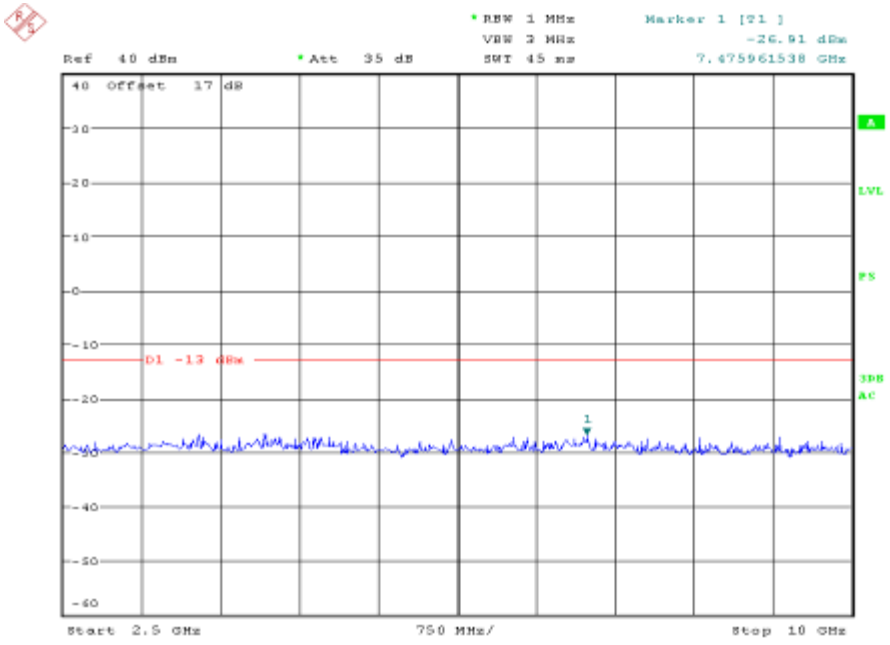


Band Edge emission PCS Channel high: (GMSK)

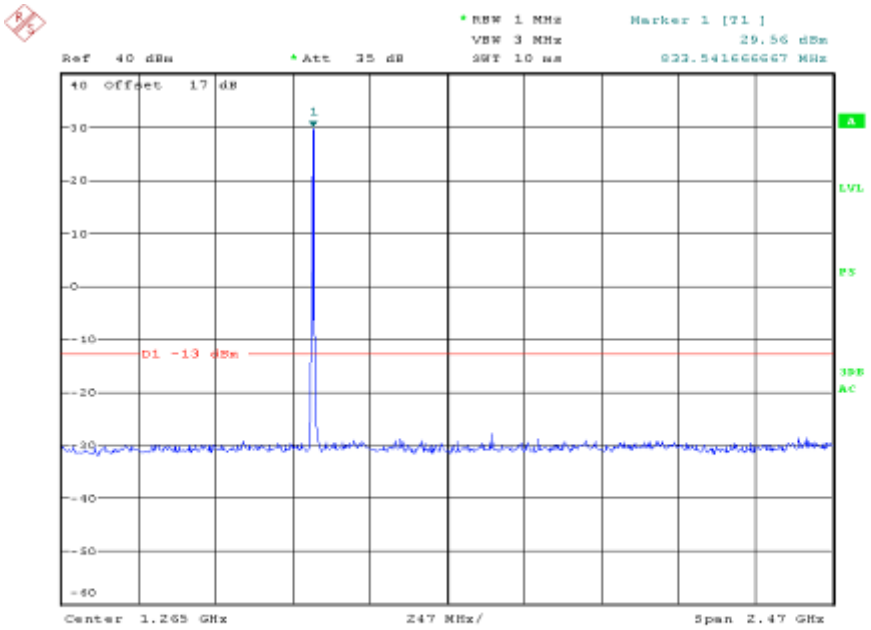


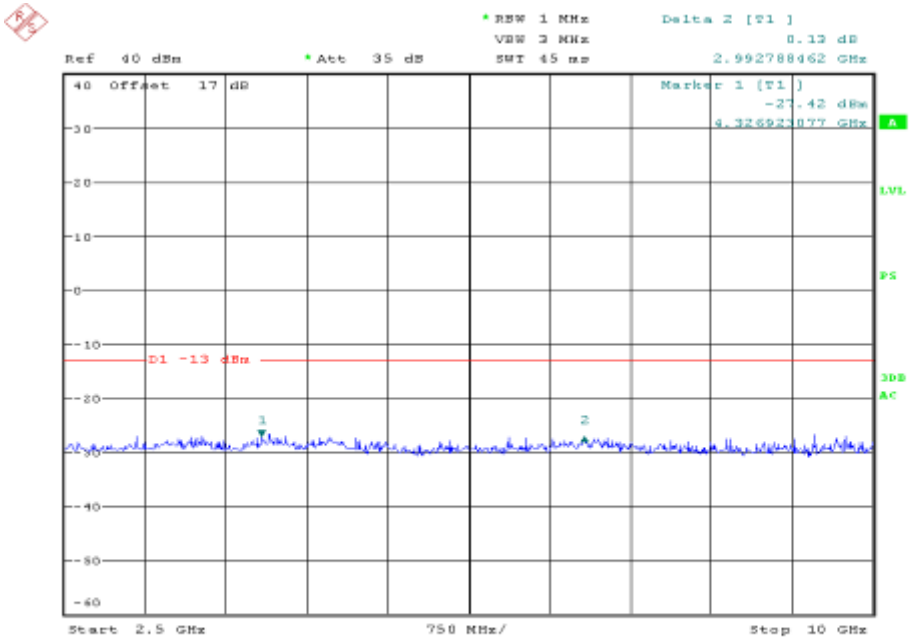
WCDMA V Channel Low:



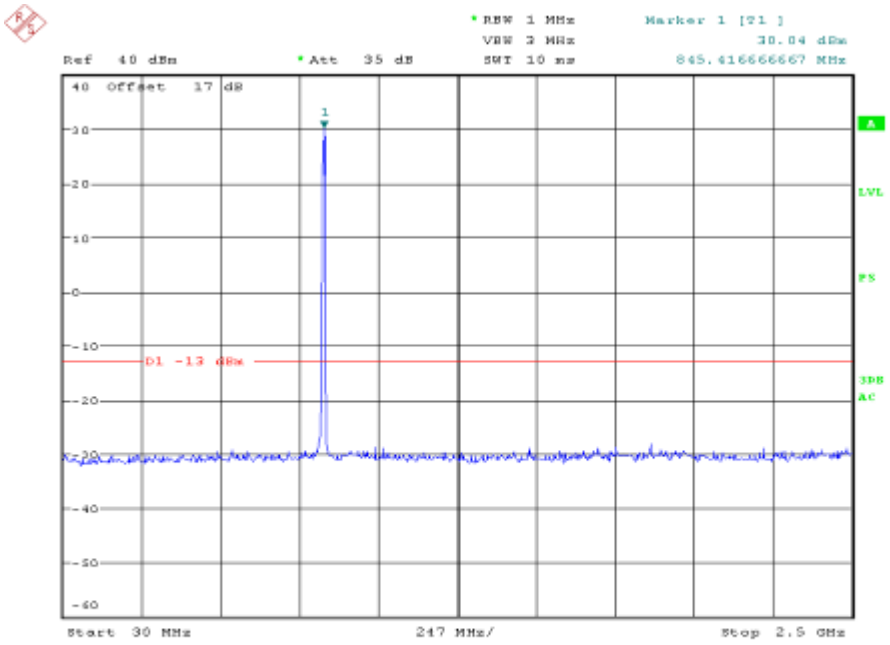


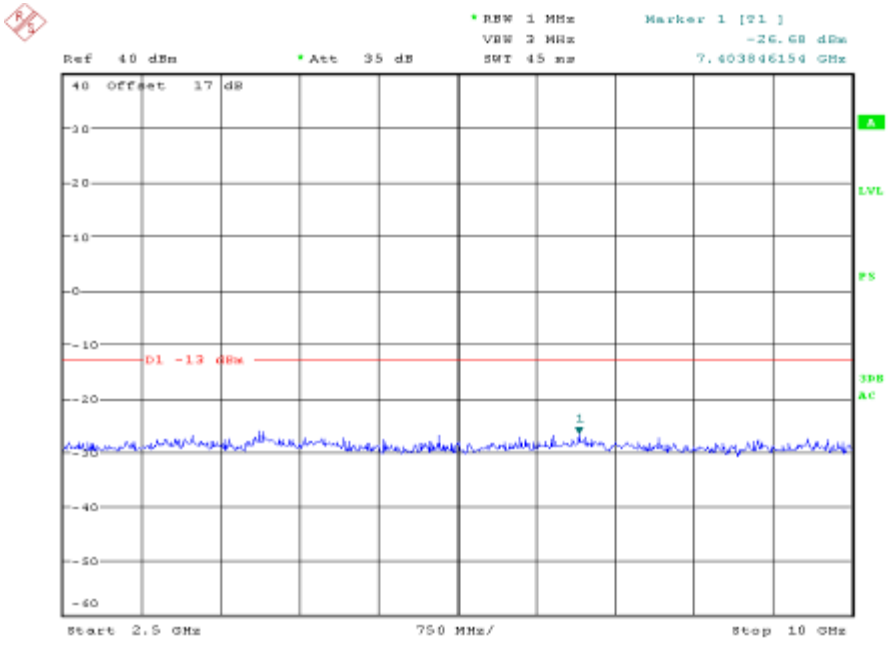
WCDMA V Channel Mid:



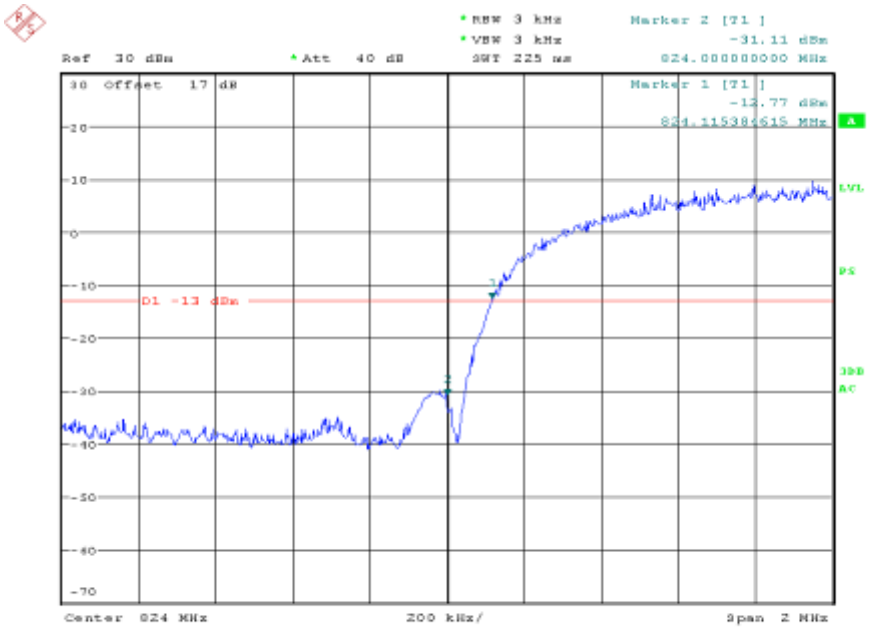


WCDMA V Channel High:

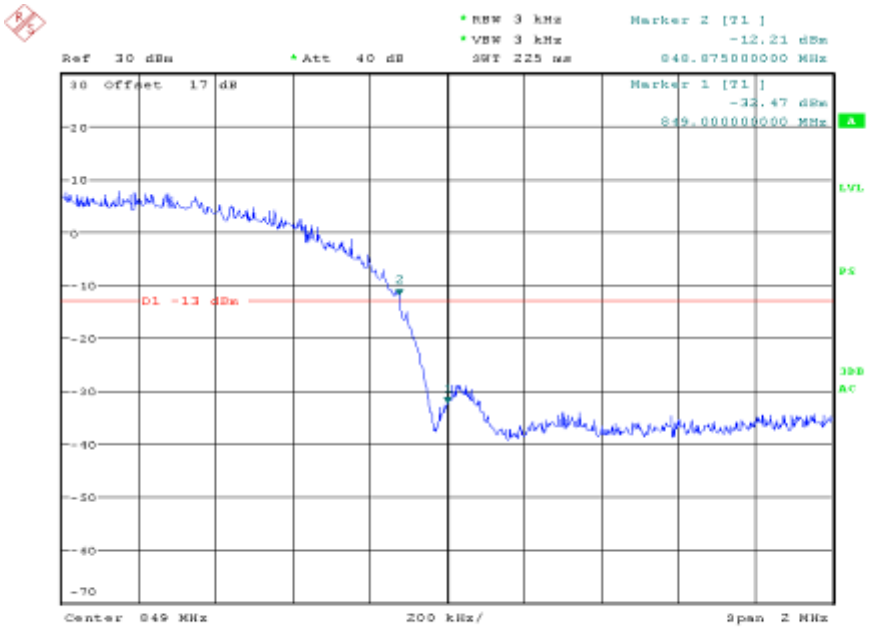




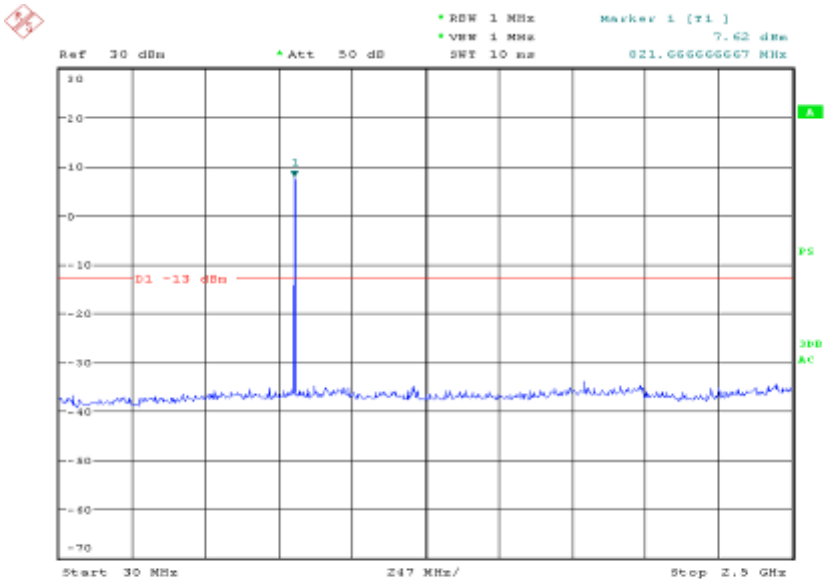
Band Edge emission WCDMA V Channel Low:

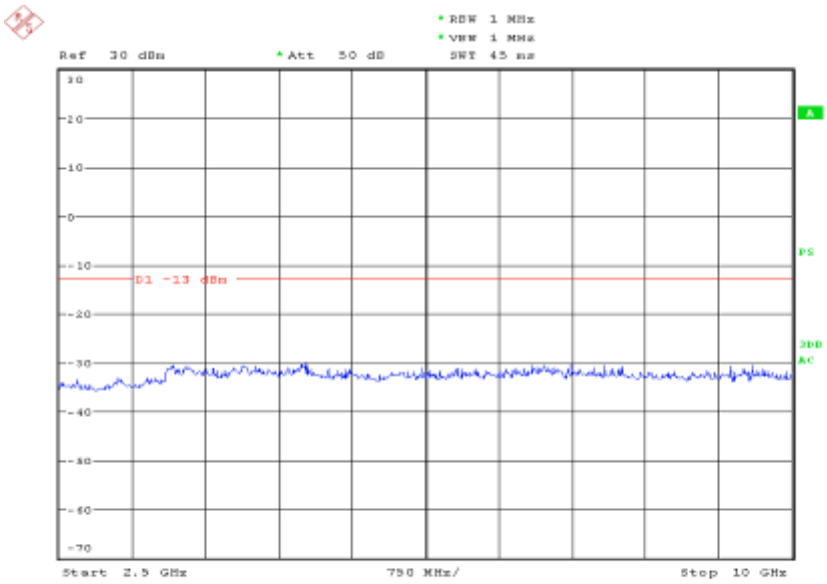


Band Edge emission WCDMA V Channel high:

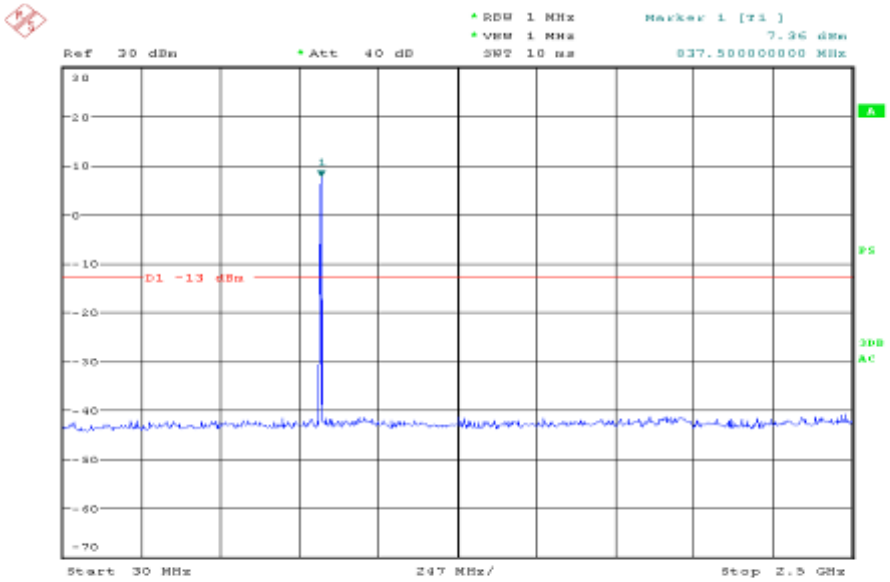


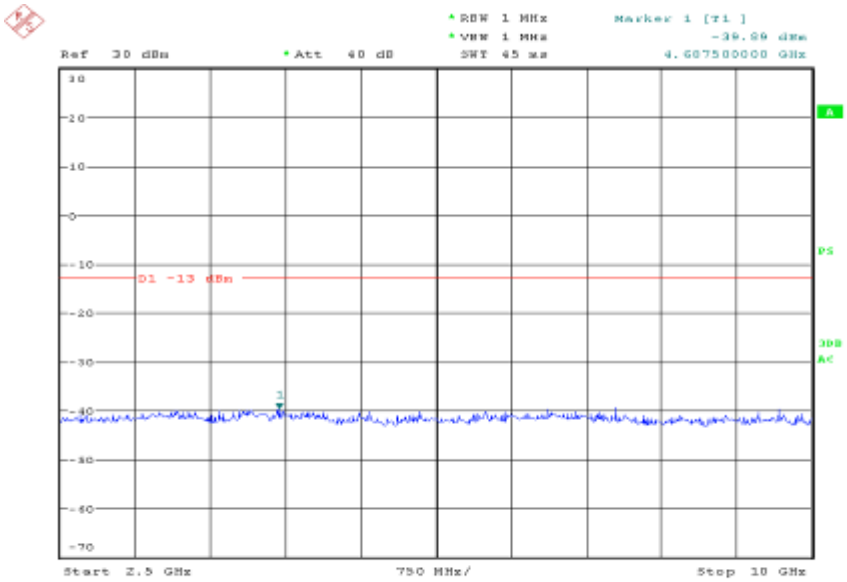
GSM Channel Low: (8-PSK)



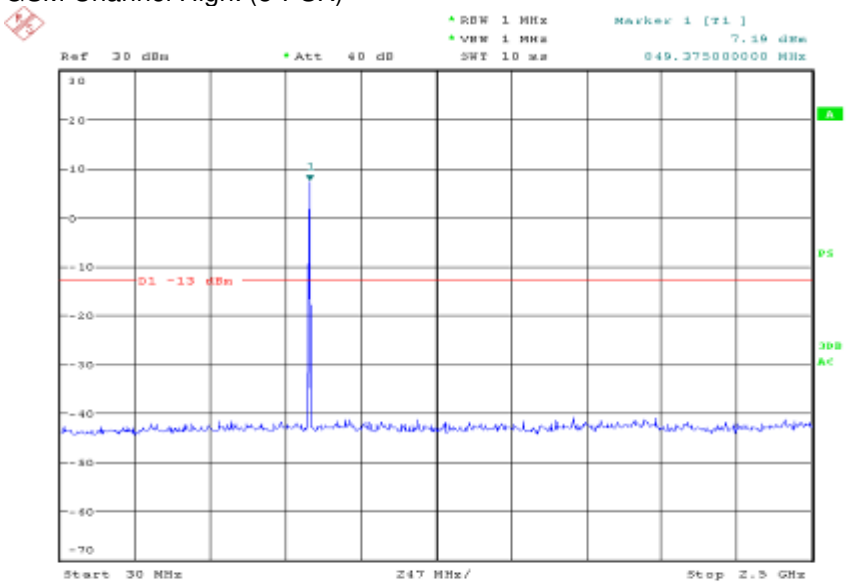


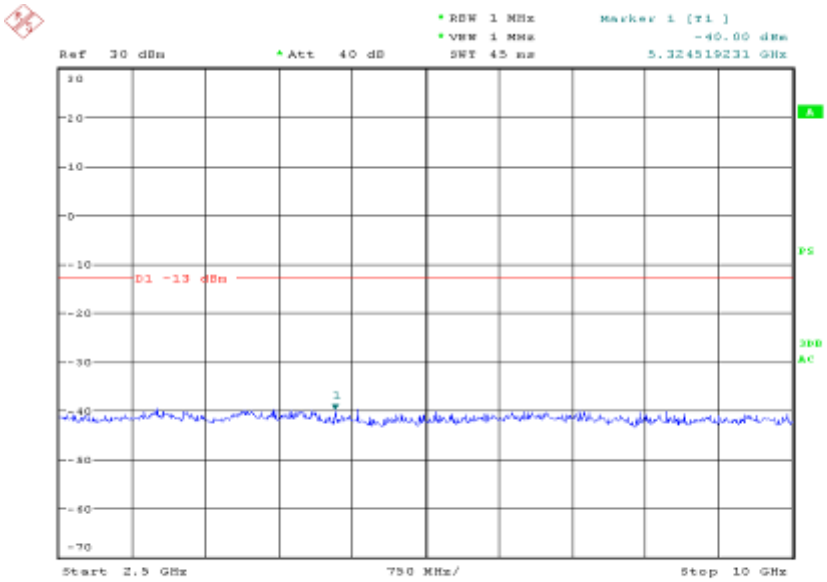
GSM Channel Mid: (8-PSK)



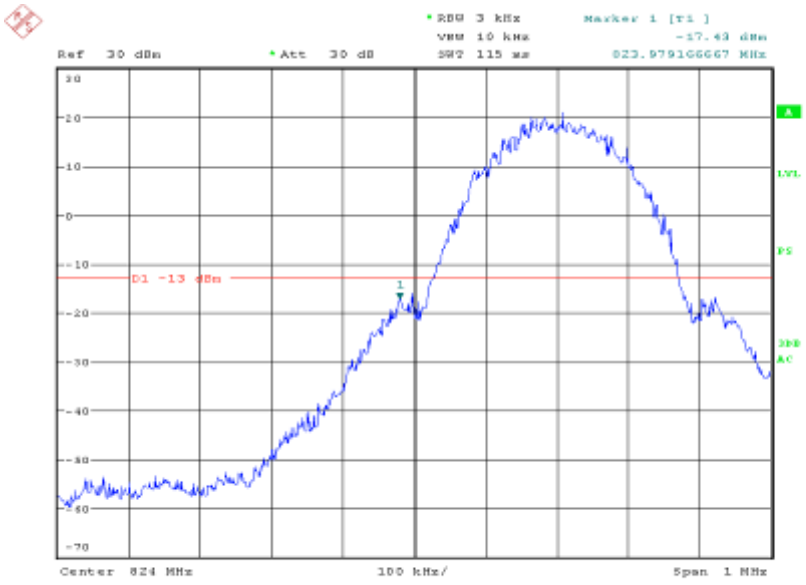


GSM Channel High: (8-PSK)

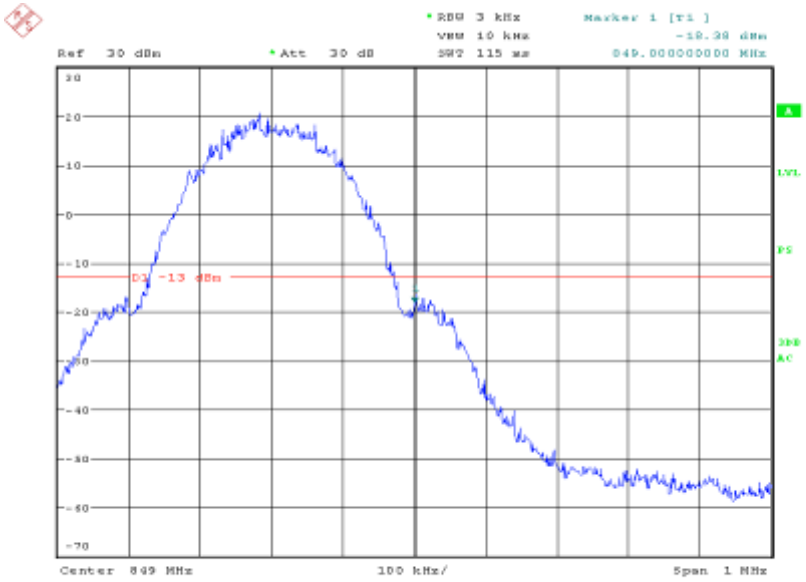




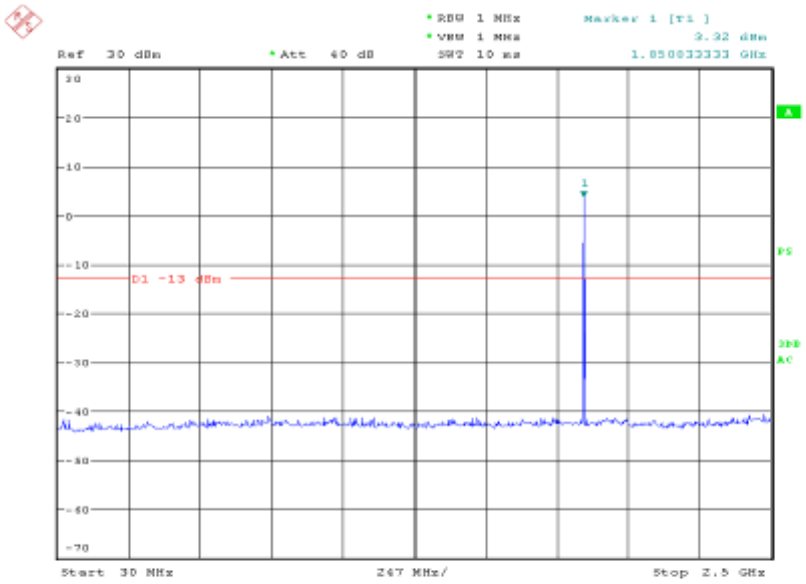
Band Edge emission GSM Channel Low: (8-PSK)

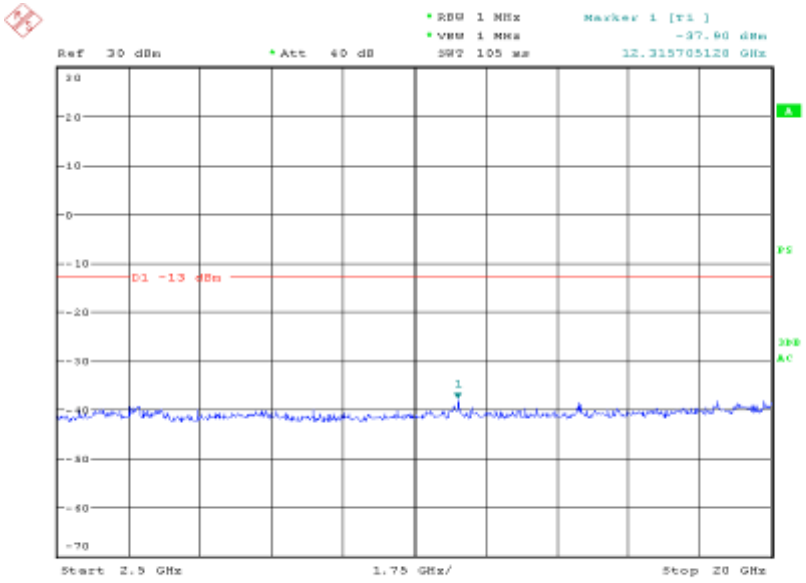


Band Edge emission GSM Channel High: (8-PSK)

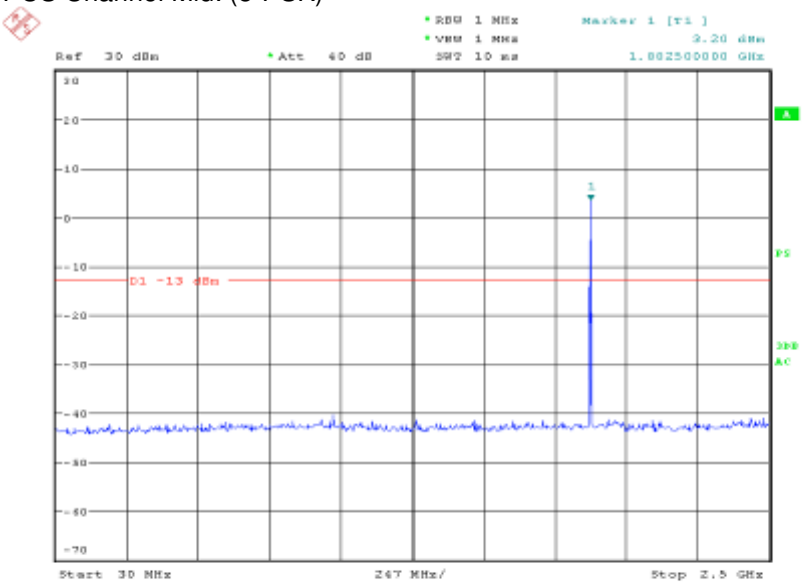


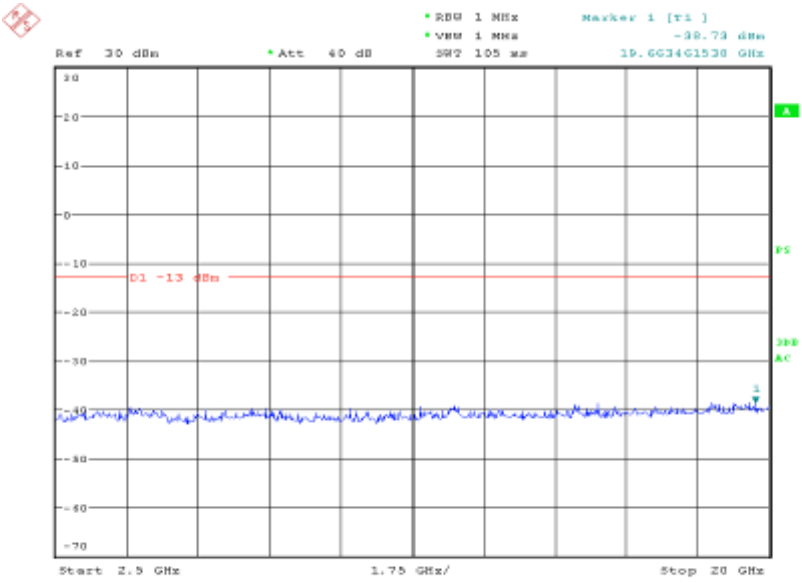
PCS Channel Low: (8-PSK)



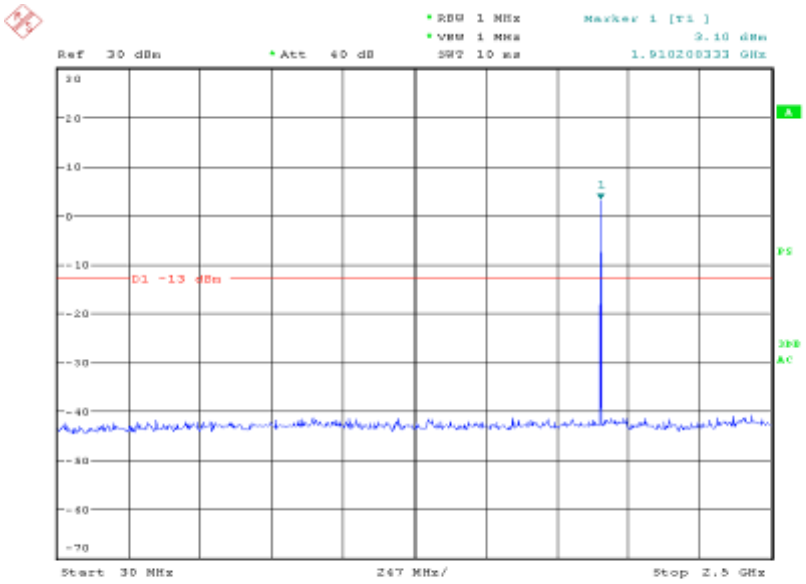


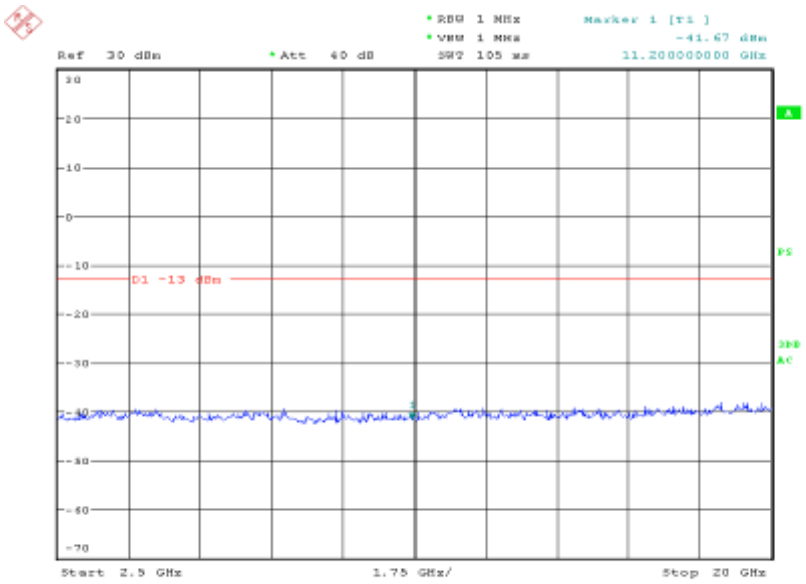
PCS Channel Mid: (8-PSK)



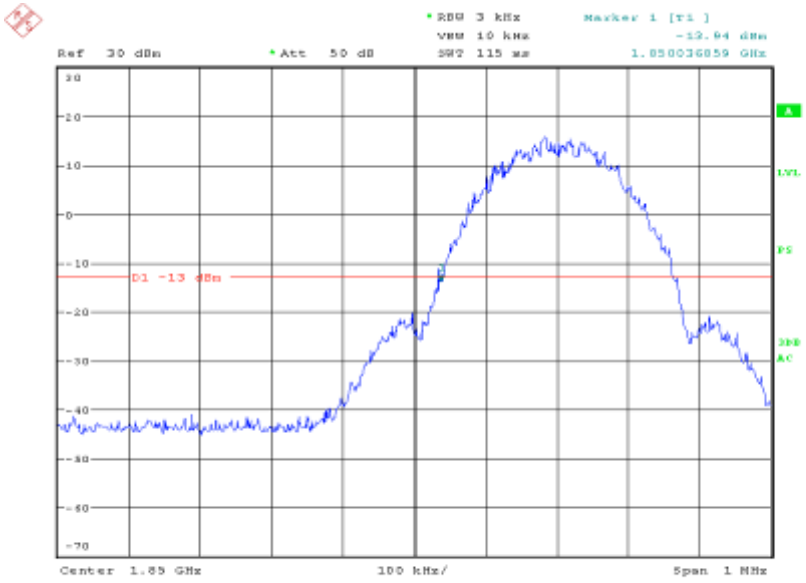


PCS Channel High: (8-PSK)

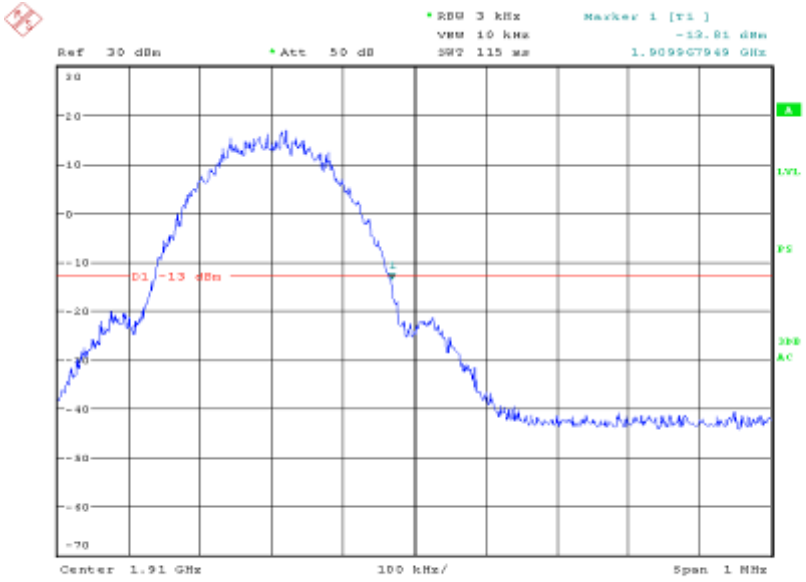




Band Edge emission PCS Channel Low: (8-PSK)



Band Edge emission PCS Channel High: (8-PSK)



6.6 Field Strength of Radiated Spurious Emissions

Test Requirement: Part 2.1051

FCC part 22.917(a), 24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specification in the instruction manual and/or alignment procedure, shall not be less than 43+10log(Mean power in watts) dBc below the mean power output outside a license's frequency block(-13dBm).

Test Date: Sep 14, 2009 to Nov 3,2009

Test Procedure:

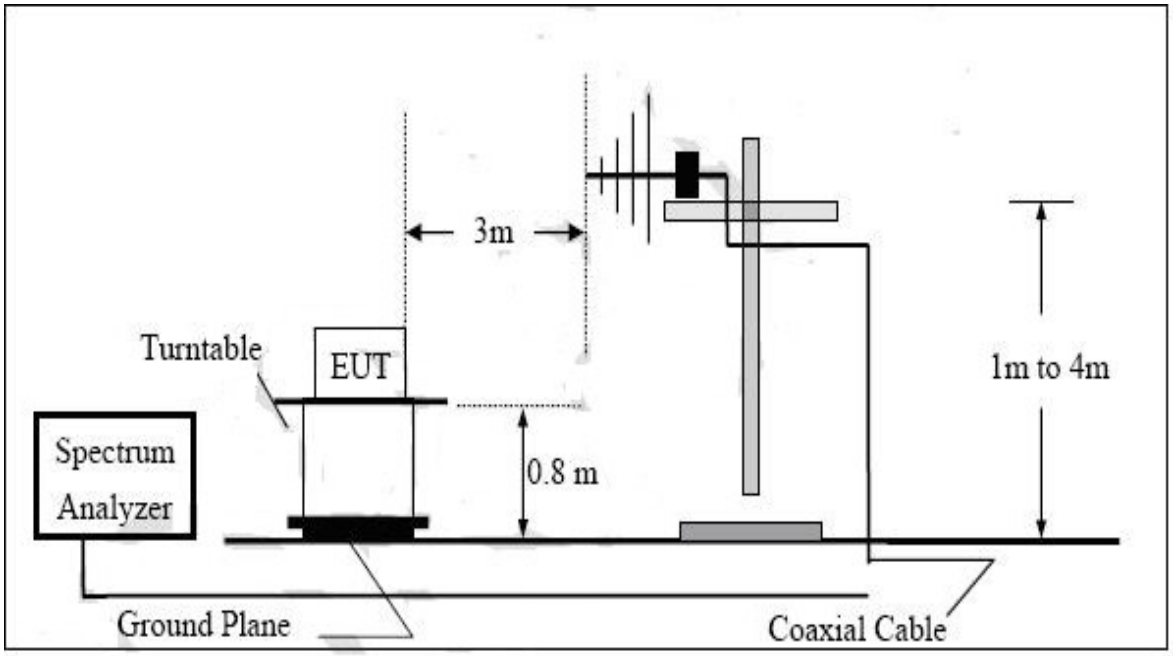
The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emission is any up to 10th harmonic.

For the out of band: set RBW, VBW=1MHz, stat=30MHz, stop= 10 th harmonic. Limit= --13dBm

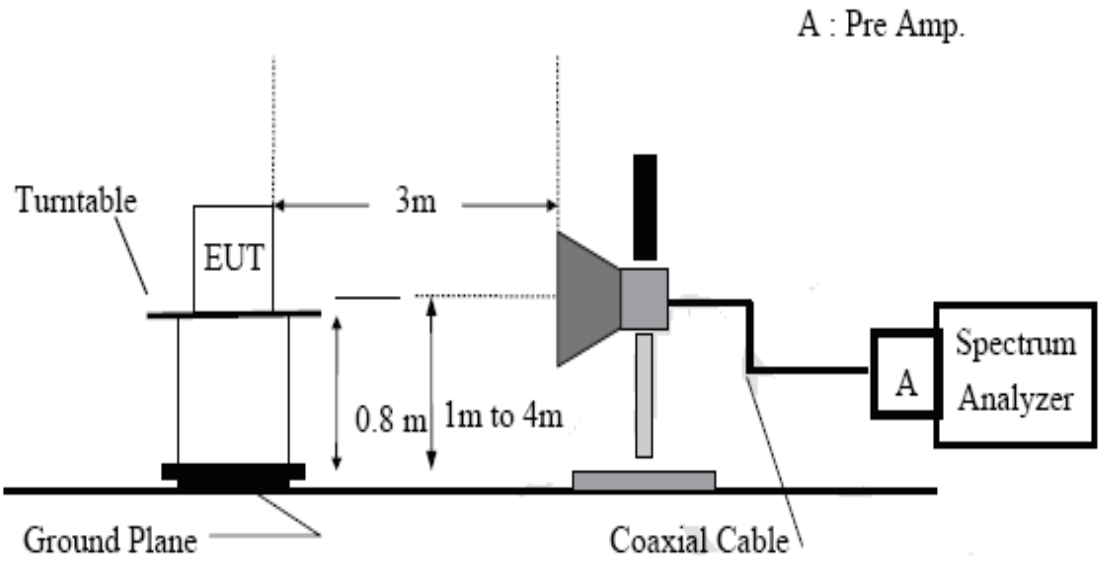
Band Edge requirements: In 1Mhz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 % of bandwidth of fundamental emission of the transmitter any be employed to measure the out of band emission. Limit=--13dBm.

Test Setup:

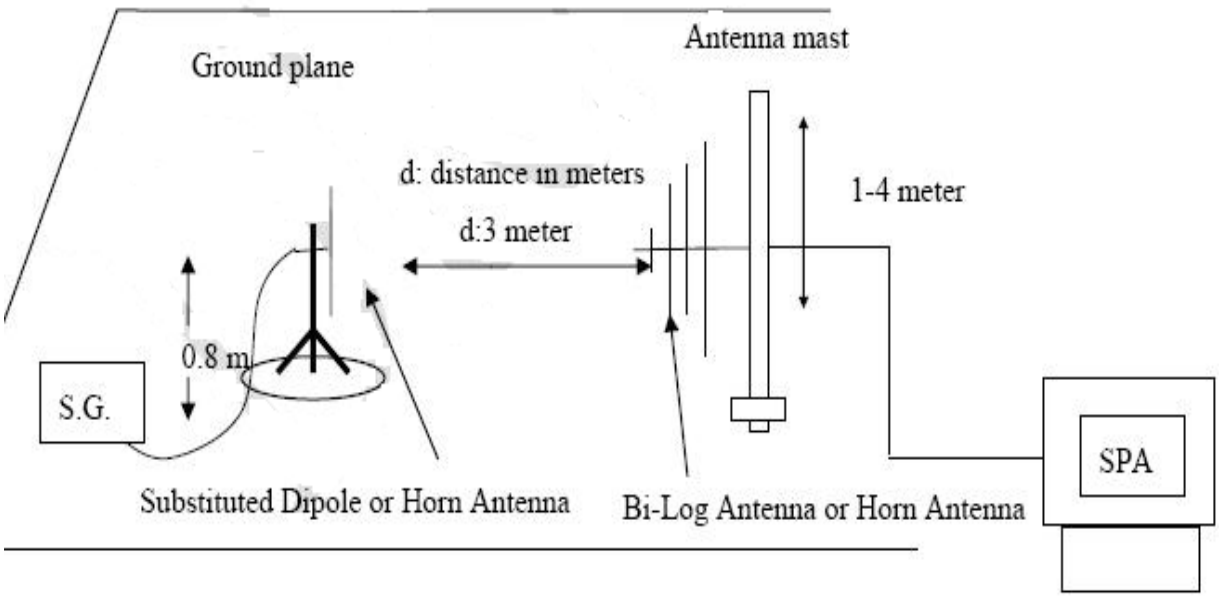
(A) Radiated emission Test setup, Below Frequency 1000MHz:



(B) Radiated emission Test setup frequency over 1GHz:



(C) Substituted Method Test setup:



Test Procedure:

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. During the measurement, the EUT was communication with the station. The highest

emission was recorded with the rotation of the turntable and lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824.2-848.8MHz were measured using substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follow:

ERP in frequency band 1710-1755MHz and 1850.5-1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

ERP=S.G. output (dBm) + Antenna Gain (dBd)-Cable Loss (dB)
EIRP=S.G. output (dBm) + Antenna Gain (dBi)-Cable Loss (dB)

Radiated spurious Emission Measurement Result: GSM 850 mode

Operation mode: TX CH Low mode

Fundamental Frequency: 824.2MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	43.22	H	-52.7	2.60	1.02	-51.12	-13	38.12
200	44.56	H	-52.43	9.10	1.66	-44.99	-13	31.99
800	43.12	H	-55.1	8.70	2.10	-48.5	-13	35.5
1648.4	44.72	H	-52.16	6.95	3.93	-49.14	-13	36.14
2472.6	43.58	H	-52.82	8.35	5.02	-49.49	-13	36.49
3296.8	44.83	H	-51.77	8.15	5.62	-49.24	-13	36.24
4121	42.19	H	-50.27	8.45	6.13	-47.95	-13	34.95
100	42.5	V	-54.3	2.6	1.02	-52.72	-13	39.72
200	45.31	V	-55	9.1	1.66	-47.56	-13	34.56
800	43.8	V	-55.8	8.7	2.1	-49.2	-13	36.2
1648.4	46.79	V	-51.86	6.95	3.93	-48.84	-13	35.84
2472.6	44.88	V	-53.42	8.35	5.02	-50.09	-13	37.09
3296.8	42.81	V	-52.71	8.15	5.62	-50.18	-13	37.18
4121	46.20	V	-50.73	8.45	6.13	-48.41	-13	35.41

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: GSM 850 mode

Operation mode: TX CH Mid mode

Fundamental Frequency: 836.60MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.55	H	-53.52	2.6	1.02	-51.94	-13	38.94
200	44.98	H	-53.25	9.1	1.66	-45.81	-13	32.81
800	44.04	H	-55.92	8.7	2.1	-49.32	-13	36.32
1648.4	46.2	H	-52.98	6.95	3.93	-49.96	-13	36.96
2472.6	44.61	H	-53.64	8.35	5.02	-50.31	-13	37.31
3296.8	45.4	H	-52.59	8.15	5.62	-50.06	-13	37.06
4121	45.74	H	-51.09	8.45	6.13	-48.77	-13	35.77
100	44.61	V	-55.12	2.6	1.02	-53.54	-13	40.54
200	44.56	V	-55.82	9.1	1.66	-48.38	-13	35.38
800	43.4	V	-56.62	8.7	2.1	-50.02	-13	37.02
1648.4	45.78	V	-52.68	6.95	3.93	-49.66	-13	36.66
2472.6	45.37	V	-54.24	8.35	5.02	-50.91	-13	37.91
3296.8	46.29	V	-53.53	8.15	5.62	-51	-13	38.00
4121	46.13	V	-51.55	8.45	6.13	-49.23	-13	36.23

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: GSM 850 mode

Operation mode: TX CH High mode

Fundamental Frequency: 848.8MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.55	H	-54.11	2.6	1.02	-52.53	-13	39.53
200	44.98	H	-52.83	9.1	1.66	-45.39	-13	32.39
800	44.04	H	-55.07	8.7	2.1	-48.47	-13	35.47
1648.4	46.2	H	-53.23	6.95	3.93	-50.21	-13	37.21
2472.6	44.61	H	-53.01	8.35	5.02	-49.68	-13	36.68
3296.8	45.4	H	-52	8.15	5.62	-49.47	-13	36.47
4121	45.74	H	-51.78	8.45	6.13	-49.46	-13	36.46
100	44.61	V	-54.63	2.6	1.02	-53.05	-13	40.05
200	44.56	V	-54.15	9.1	1.66	-46.71	-13	33.71
800	43.4	V	-56.62	8.7	2.1	-50.02	-13	37.02
1648.4	45.78	V	-53.12	6.95	3.93	-50.1	-13	37.1
2472.6	45.37	V	-53.42	8.35	5.02	-50.09	-13	37.09
3296.8	46.29	V	-53.35	8.15	5.62	-50.82	-13	37.82
4121	46.13	V	-52.31	8.45	6.13	-49.99	-13	36.99

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: PCS 1900 mode

Operation mode: TX CH Low mode

Fundamental Frequency: 1850.2MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	43.55	H	-53.44	2.6	1.02	-51.86	-13	38.86
200	44.68	H	-53.27	9.1	1.66	-45.83	-13	32.83
800	45.49	H	-52.94	8.7	2.1	-46.34	-13	33.34
1800	46.41	H	-52.01	7.0	4.28	-49.29	-13	36.29
3700.4	44.6	H	-53.2	8.35	4.57	-49.42	-13	36.42
5550.6	44.49	H	-52.06	9.55	5.57	-48.08	-13	35.08
7400.8	45.05	H	-51.94	9.75	7.62	-49.81	-13	36.81
9251	45.64	H	-54.1	10.55	10.9	-54.45	-13	41.45
100	44.33	V	-52.94	2.6	1.02	-51.36	-13	38.36
200	44.4	V	-54.32	9.1	1.66	-46.88	-13	33.88
800	43.62	V	-54.46	8.7	2.1	-47.86	-13	34.86
1800	46.46	V	-50.17	7.0	4.28	-47.45	-13	34.45
3700.4	45.63	V	-52.5	8.35	4.57	-48.72	-13	35.72
5550.6	45.49	V	-52.68	9.55	5.57	-48.7	-13	35.7
7400.8	45.4	V	-52.02	9.75	7.62	-49.89	-13	36.89
9251	45.08	V	-52.16	10.55	10.9	-52.51	-13	39.51

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: PCS 1900 mode

Operation mode: TX CH mid mode

Fundamental Frequency: 1880.0MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.12	H	-53.2	2.6	1.02	-51.62	-13	38.62
200	44.33	H	-55.03	9.1	1.66	-47.59	-13	34.59
800	44.84	H	-54.7	8.7	2.1	-48.1	-13	35.1
1800	44.72	H	-51.7	7.0	4.28	-48.98	-13	35.98
3760	45.1	H	-51.7	8.42	4.59	-47.87	-13	34.87
5640	45.26	H	-51.8	9.5	5.59	-47.89	-13	34.89
7520	45.77	H	-51.75	9.78	7.72	-49.69	-13	36.69
9400	46.04	H	-53.86	10.61	10.98	-54.23	-13	41.23
100	44.15	V	-54.7	2.6	1.02	-53.12	-13	40.12
200	43.54	V	-54.7	9.1	1.66	-47.26	-13	34.26
800	43.49	V	-53.7	8.7	2.1	-47.1	-13	34.1
1800	45.58	V	-52.9	7.0	4.28	-50.18	-13	37.18
3760	45.12	V	-54.26	8.42	4.59	-50.43	-13	37.43
5640	46.23	V	-54.4	9.5	5.59	-50.49	-13	37.49
7520	46.06	V	-53.78	9.78	7.72	-51.72	-13	38.72
9400	44.77	V	-53.9	10.61	10.98	-54.27	-13	41.27

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: PCS 1900 mode

Operation mode: TX CH High mode

Fundamental Frequency: 1909.8MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	46.69	H	-51.9	2.6	1.02	-50.32	-13	37.32
200	46.7	H	-51.79	9.1	1.66	-44.35	-13	31.35
800	48.011	H	-51.58	8.7	2.1	-44.98	-13	31.98
1800	47.32	H	-52.04	7.0	4.28	-49.32	-13	36.32
3981.6	48.26	H	-52.01	8.42	4.59	-48.18	-13	35.18
5972.4	47.98	H	-51.8	9.5	5.59	-47.89	-13	34.89
7963.2	47.96	H	-52.83	9.78	7.72	-50.77	-13	37.77
9954	47.76	H	-52.55	10.61	10.98	-52.92	-13	39.92
100	46.3	V	-53.07	2.6	1.02	-51.49	-13	38.49
200	46.67	V	-53.45	9.1	1.66	-46.01	-13	33.01
800	44.45	V	-52.75	8.7	2.1	-46.15	-13	33.15
1800	46.68	V	-51.9	7.0	4.28	-49.18	-13	36.18
3981.6	47.1	V	-53.7	8.42	4.59	-49.87	-13	36.87
5972.4	47.99	V	-53.43	9.5	5.59	-49.52	-13	36.52
7963.2	48.23	V	-52.81	9.78	7.72	-50.75	-13	37.75
9954	46.38	V	-53.21	10.61	10.98	-53.58	-13	40.58

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: WCDMA V mode

Operation mode: TX CH Low mode

Fundamental Frequency: 826.4MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.42	H	-53.23	2.6	1.02	-51.65	-13	38.65
200	45.13	H	-53.3	9.1	1.66	-45.86	-13	32.86
800	44.05	H	-53.31	8.7	2.1	-46.71	-13	33.71
1652.8	46.07	H	-51.27	6.95	3.93	-48.25	-13	35.25
2479.2	44.66	H	-50.9	8.35	5.02	-47.57	-13	34.57
3305.6	45.02	H	-52.76	8.15	5.62	-50.23	-13	37.23
4132	45.55	H	-52.53	8.45	6.13	-50.21	-13	37.21
100	45.27	V	-51.73	2.6	1.02	-50.15	-13	37.15
200	45.19	V	-52.44	9.1	1.66	-45	-13	32.00
800	44.54	V	-53.23	8.7	2.1	-46.63	-13	33.63
1652.8	46.23	V	-50.63	6.95	3.93	-47.61	-13	34.61
2479.2	45.66	V	-50.85	8.35	5.02	-47.52	-13	34.52
3305.6	45.23	V	-51.31	8.15	5.62	-48.78	-13	35.78
4132	44.85	V	-50.51	8.45	6.13	-48.19	-13	35.19

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: WCDMA V mode

Operation mode: TX CH Mid mode

Fundamental Frequency: 836.0MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.14	H	-55.8	2.6	1.02	-54.22	-13	41.22
200	45.26	H	-55.0	9.1	1.66	-47.56	-13	34.56
800	44.55	H	-55.0	8.7	2.1	-48.4	-13	35.4
1672	46.27	H	-53.8	6.95	3.93	-50.78	-13	37.78
2508	44.42	H	-53.5	8.35	5.02	-50.17	-13	37.17
3344	45.08	H	-53.8	8.15	5.62	-51.27	-13	38.27
4180	45.54	H	-55.1	8.45	6.13	-52.78	-13	39.78
100	45.22	V	-54.0	2.6	1.02	-52.42	-13	39.42
200	45.28	V	-55.0	9.1	1.66	-47.56	-13	34.56
800	44.28	V	-55.0	8.7	2.1	-48.4	-13	35.4
1672	44.34	V	-54.0	6.95	3.93	-50.98	-13	37.98
2508	45.85	V	-54.0	8.35	5.02	-50.67	-13	37.67
3344	44.62	V	-53.7	8.15	5.62	-51.17	-13	38.17
4180	44.81	V	-53.0	8.45	6.13	-50.68	-13	37.68

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

Radiated spurious Emission Measurement Result: WCDMA V mode

Operation mode: TX CH High mode

Fundamental Frequency: 846.6MHz

Frequency (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dBi/dBd)	Cable Loss (dBm)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dB)
100	44.84	H	-54.65	2.6	1.02	-53.07	-13	40.07
200	45.25	H	-54.47	9.1	1.66	-47.03	-13	34.03
800	44.36	H	-53.36	8.7	2.1	-46.76	-13	33.76
1693.2	46	H	-53.21	6.99	3.96	-50.18	-13	37.18
2539.8	44.88	H	-52.24	8.41	5.1	-48.93	-13	35.93
3386	45.66	H	-52.5	8.22	5.6	-49.88	-13	36.88
4233	46.08	H	-54.3	8.48	6.22	-52.04	-13	39.04
100	44.87	V	-53.6	2.6	1.02	-52.02	-13	39.02
200	44.8	V	-54.63	9.1	1.66	-47.19	-13	34.19
800	43.63	V	-54.71	8.7	2.1	-48.11	-13	35.11
1693.2	46.04	V	-52.36	6.99	3.96	-49.33	-13	36.33
2539.8	45.65	V	-51.7	8.41	5.1	-48.39	-13	35.39
3386	46.58	V	-53.9	8.22	5.6	-51.28	-13	38.28
4233	46.39	V	-52.51	8.48	6.22	-50.25	-13	37.25

Remark:

1 emission behaviors belong to narrowband spurious emission.

2 The result basic equation calculation is as follow:

ERP/EIRP(dBm)=S.G. Output(dBm) + Antenna Gain(dBd/dBi)-Cable Loss

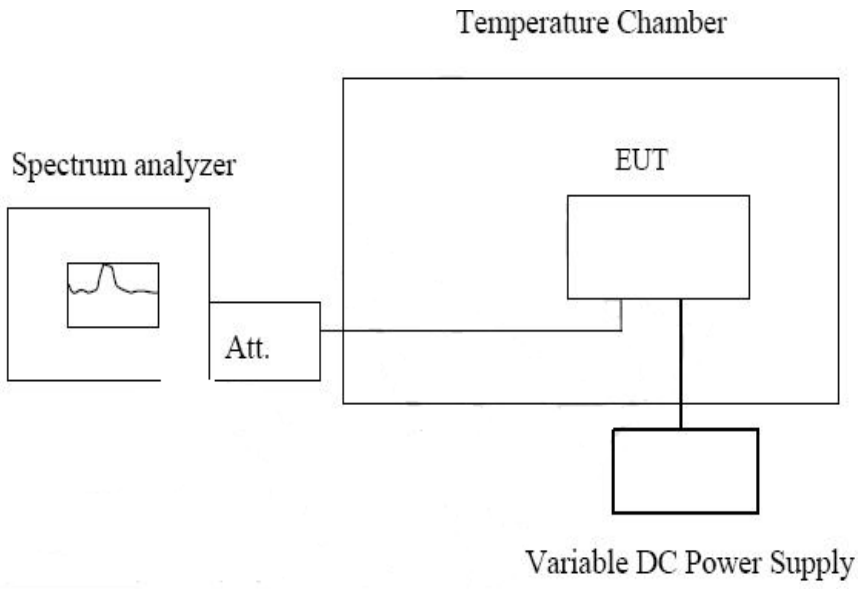
6.7 Frequency Stability V.S. TEMPERATURE MEASUREMENT

Test Requirement: Part 2.1055(a)(1)

Test Date: Sep 13, 2009 to Nov 3,2009

Test Status: Test lowest channel, middle, highest channel.

Test Setup:



Note: Measurement setup for testing On antenna connector.

Test procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the Spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes record the frequency. Repeat step measure with 10 degree per stage until the highest temperature of 50 degree reached.

Frequency Tolerance: +/-2.5ppm for 850MHz band
+/-2.5ppm for 1900MHz band

Reference Frequency: GSM Mid channel 836.6MHz@ 25 degree				
Limit: +/- 2.5ppm = 2091Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5	-30	836.599973	27	2091
5	-20	836.599918	91	2091
5	-10	836.599992	8	2091
5	10	836.599925	75	2091
5	20	836.599969	31	2091
5	30	836.599923	73	2091
5	40	836.599913	87	2091
5	50	836.599943	57	2091

Reference Frequency: PCS Mid channel 1880MHz@ 25 degree				
Limit: +/- 2.5ppm = 4700Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5	-30	1879.999956	44	4700
5	-20	1879.999897	103	4700
5	-10	1879.999953	47	4700
5	10	1879.999947	53	4700
5	20	1879.999891	109	4700
5	30	1879.999973	27	4700
5	40	1879.999982	18	4700
5	50	1879.999827	173	4700

Reference Frequency: WCDMA V Mid channel 836.6MHz@ 25 degree				
Limit: +/- 2.5ppm = 2091Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5	-30	835.999917	83	2091
5	-20	835.999962	38	2091
5	-10	835.999934	64	2091
5	10	835.999982	18	2091
5	20	835.999987	13	2091
5	30	835.999942	58	2091
5	40	835.999937	63	2091
5	50	835.999911	89	2091

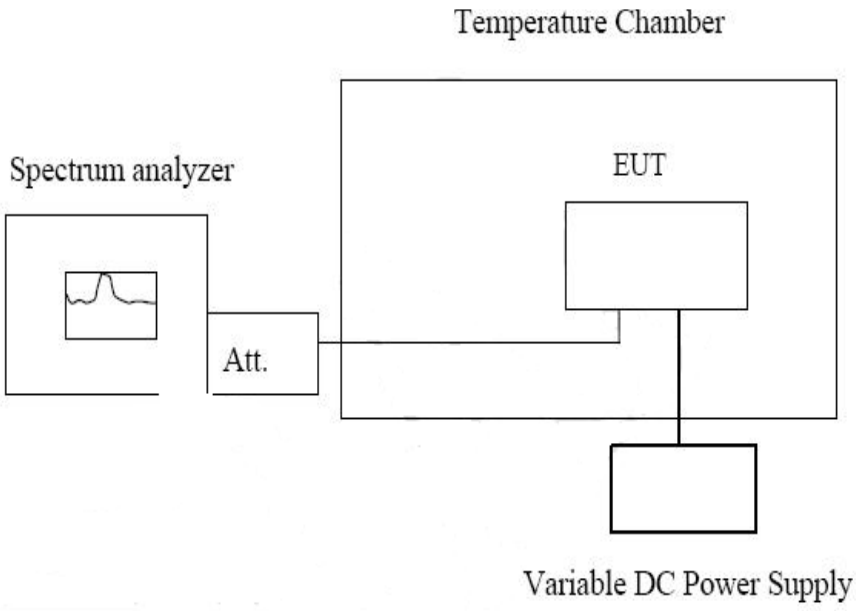
6.8 Frequency Stability V.S. VOLTAGE MEASUREMENT

Test Requirement: Part 2.1055(a)(1)

Test Date: Sep 13, 2009 to Nov 3,2009

Test Status: Test lowest channel, middle, highest channel.

Test Setup:



Note: Measurement setup for testing On antenna connector.

Test procedure:

Set chamber temperature to 25 degree. Use a variable AC power/ DC power supply to power the EUT and set the Voltage to rated voltage. Set the spectrum analyzer RBW enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specified extreme voltage variation(+/-15%) and endpoint, record the maximum frequency chang.

Frequency Tolerance: +/-2.5ppm for 850MHz band
+/-2.5ppm for 1900MHz band

Reference Frequency: GSM Mid channel 836.6MHz@ 25 degree				
Limit: +/- 2.5ppm = 2091Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5.5	25	836.600043	-43	2091
5.0	25	836.600000	0	2091
4.5	25	836.599982	18	2091
3.0 (Endpoint)	25	836.600014	-14	2091

Reference Frequency: PCS Mid channel 1880MHz@ 25 degree				
Limit: +/- 2.5ppm = 4700Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5.5	25	1879.999983	17	4700
5.0	25	1880.000000	0	4700
4.5	25	1879.999994	6	4700
3.0 (Endpoint)	25	1880.000027	-27	4700

Reference Frequency: WCDMA V Mid channel 836.0MHz@ 25 degree				
Limit: +/- 2.5ppm = 2091Hz				
Power Supply	Environment	Frequency	Delta	Limit
Vdc	Temperature(degree)	(MHz)	(Hz)	(Hz)
5.5	25	835.999872	128	2091
5.0	25	836.000000	0	2091
4.5	25	835.999913	87	2091
3.0 (Endpoint)	25	835.999939	61	2091

6.9 Conducted Emissions Mains Terminals

Test Requirement: Part 15.207

Test Method: ANSI C63.4.

Test Date: Sep 14,2009

Frequency Range: 150KHz to 30MHz

Detector: Peak for pre-scan (9kHz Resolution Bandwidth)

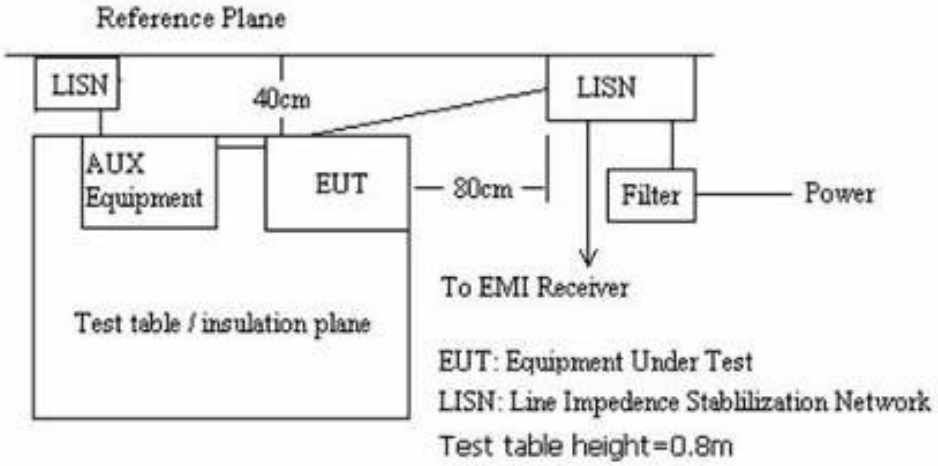
Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit

EUT Operation:

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Plan View of Test Setup



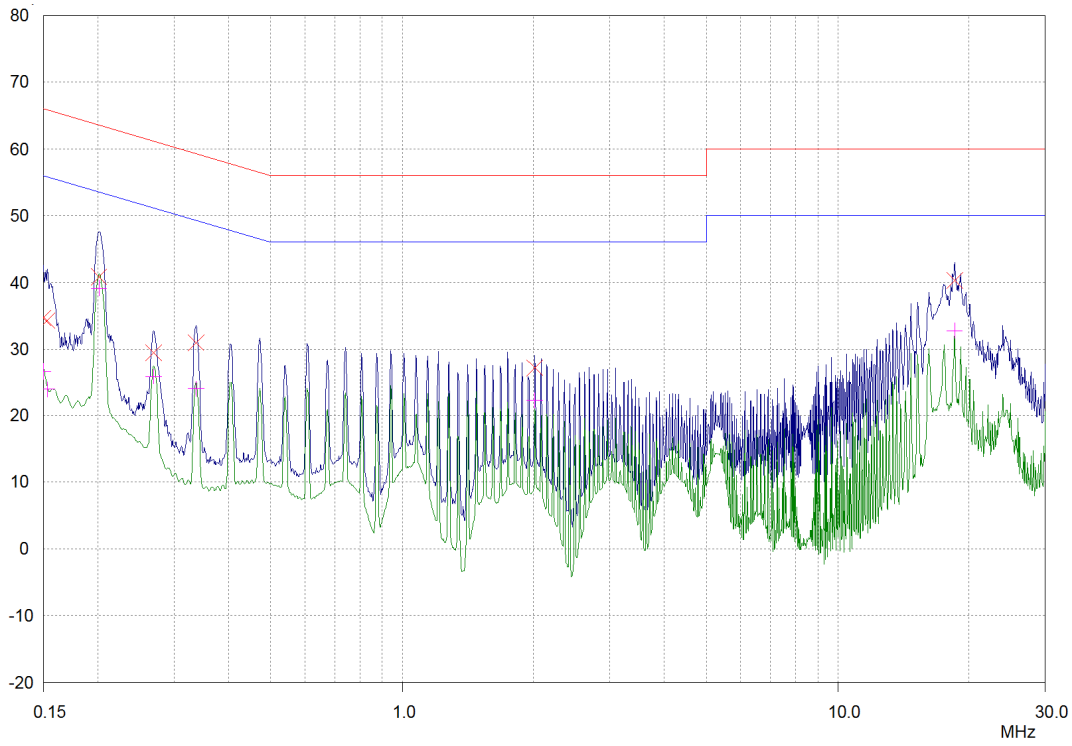
Limit:

Frequency range MHz	Limits dB(uV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Note 1.The lower limit shall apply at the transition frequencies 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

Operating mode: GSM 850 Link

L Line:

dBuV

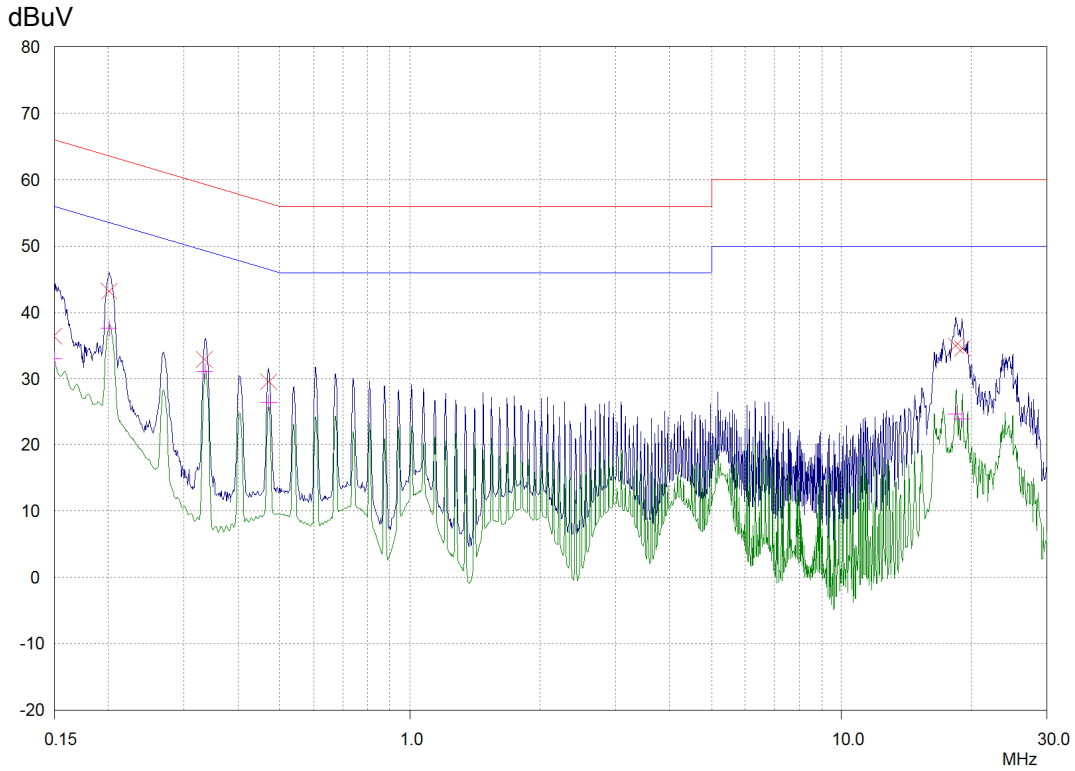


Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	34.64	66.00	31.36
0.15302	34.27	65.83	31.56
0.20155	40.81	63.55	22.74
0.26866	29.46	61.16	31.70
0.33597	30.96	59.30	28.34
2.01715	27.20	56.00	28.80
18.56447	40.27	60.00	19.73

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	26.63	56.00	29.37
0.15302	23.85	55.83	31.98
0.20155	39.12	53.55	14.43
0.26866	25.84	51.16	25.32
0.33597	24.01	49.30	25.29
2.01715	22.14	46.00	23.86
18.56447	32.76	50.00	17.24

Operating mode: GSM 850 Link

N Line:



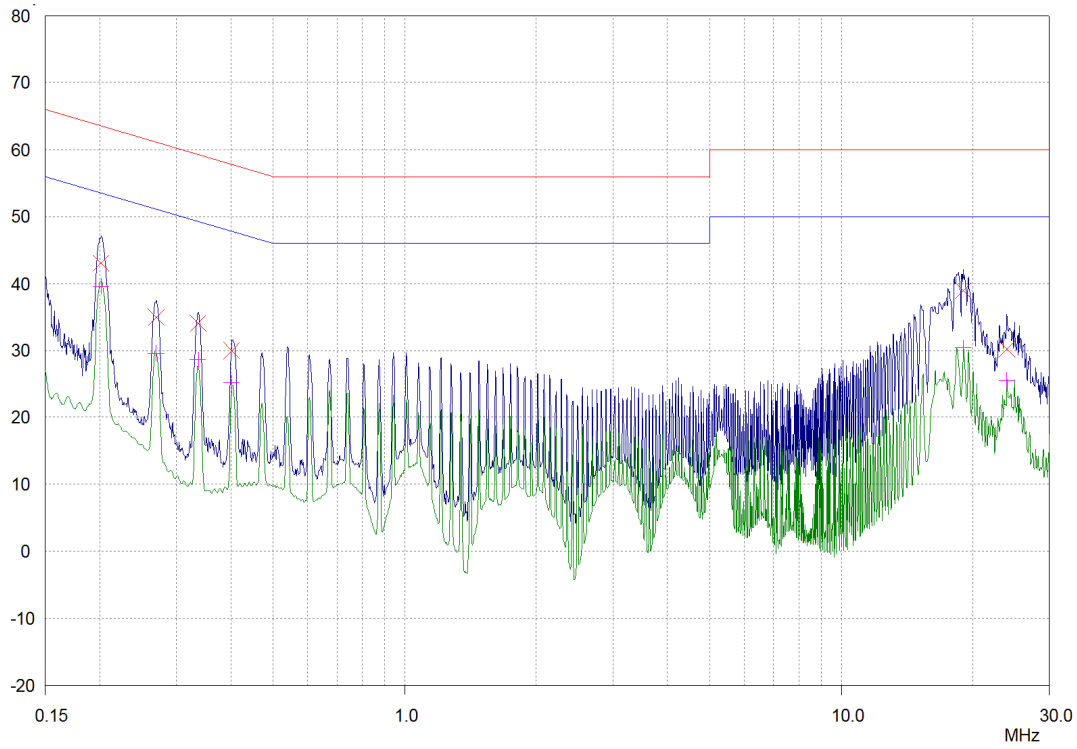
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	36.44	66.00	29.56
0.20074	43.20	63.58	20.38
0.33463	32.96	59.34	26.38
0.46982	29.57	56.52	26.95
18.41684	34.97	60.00	25.03
19.01449	34.59	60.00	25.41

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	32.95	56.00	23.05
0.20074	37.58	53.58	16.00
0.33463	31.11	49.34	18.23
0.46982	26.40	46.52	20.12
18.41684	24.73	50.00	25.27
19.01449	23.77	50.00	26.23

Operating mode: GSM 1900 Link

L Line:

dBuV

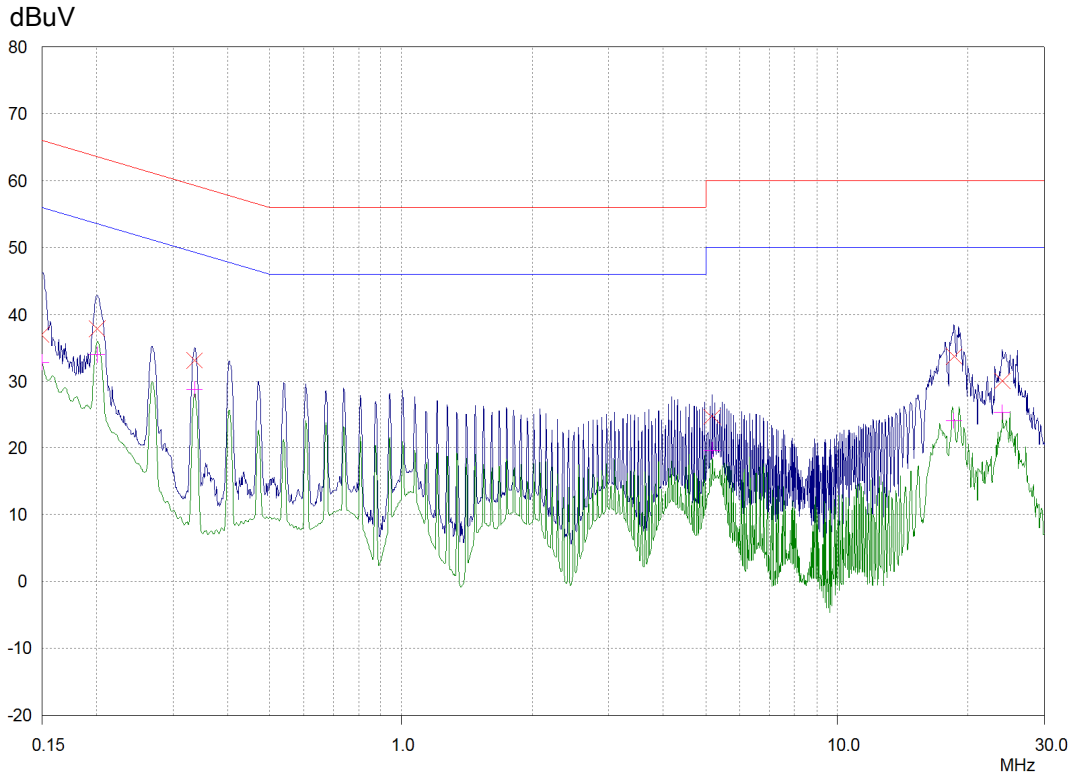


Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.20155	43.04	63.55	20.51
0.26974	34.98	61.13	26.15
0.33597	34.08	59.30	25.22
0.40208	30.00	57.81	27.81
19.01449	38.97	60.00	21.03
23.96846	30.18	60.00	29.82

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.20155	39.56	53.55	13.99
0.26974	29.62	51.13	21.51
0.33597	28.65	49.30	20.65
0.40208	25.17	47.81	22.64
19.01449	30.45	50.00	19.55
23.96846	25.55	50.00	24.45

Operating mode: GSM 1900 Link

N Line:



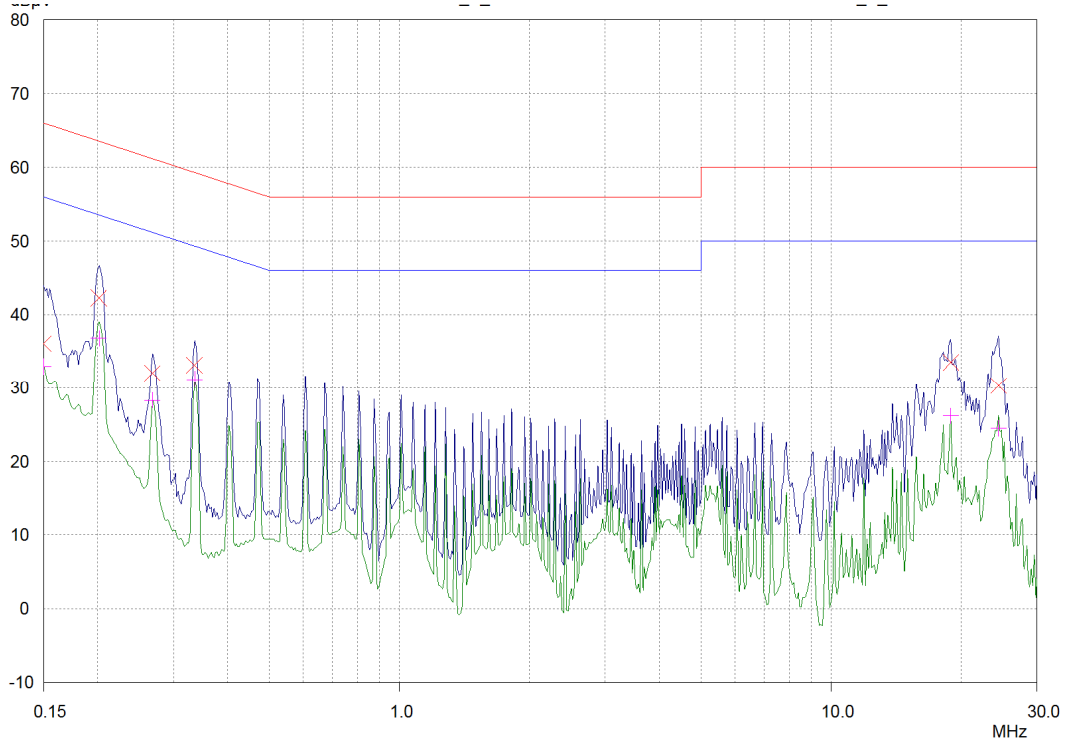
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	36.94	66.00	29.06
0.20074	37.85	63.58	25.73
0.33597	33.08	59.30	26.22
5.17481	24.64	60.00	35.36
18.56447	33.74	60.00	26.26
23.96846	30.02	60.00	29.98

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	32.84	56.00	23.16
0.20074	33.97	53.58	19.61
0.33597	28.82	49.30	20.48
5.17481	19.54	50.00	30.46
18.56447	23.98	50.00	26.02
23.96846	25.35	50.00	24.65

Operating mode: WCDMA BAND V Link Mode

L Line:

dBuV



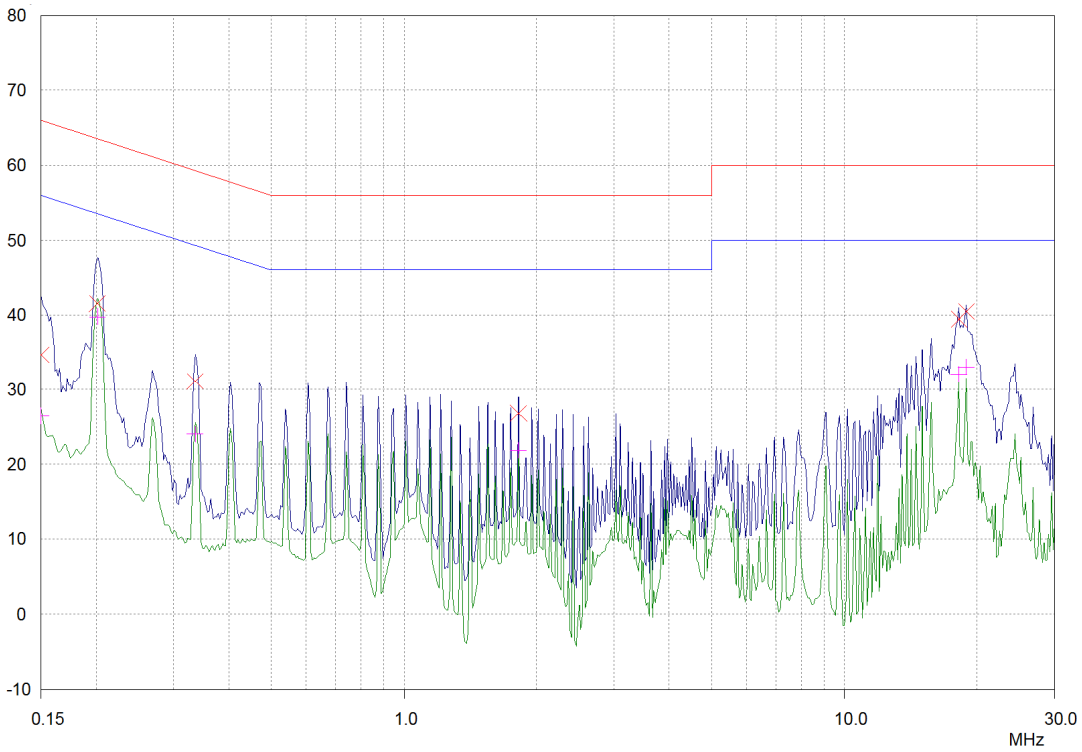
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	36.11	66.00	29.89
0.20143	42.28	63.55	21.27
0.26835	32.07	61.17	29.10
0.33543	33.12	59.32	26.20
18.9075	33.52	60.00	26.48
24.39895	30.30	60.00	29.70

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	32.95	56.00	23.05
0.20143	36.81	53.55	16.74
0.26835	28.24	51.17	22.93
0.33543	31.20	49.32	18.12
18.9075	26.14	50.00	23.86
24.39895	24.47	50.00	25.53

Operating mode: WCDMA BAND V Link Mode

N Line:

dBuV



Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB
0.15	34.69	66.00	31.31
0.20143	41.52	63.55	22.03
0.33543	31.07	59.32	28.25
1.81651	26.76	56.00	29.24
18.16902	39.44	60.00	20.56
18.9075	40.46	60.00	19.54

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB
0.15	26.42	56.00	29.58
0.20143	39.76	53.55	13.79
0.33543	23.96	49.32	25.36
1.81651	21.83	46.00	24.17
18.16902	32.03	50.00	17.97
18.9075	33.05	50.00	16.95