ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H and PART 24 SUBPART E

OF

Product Name:	**LF152 HSDPA WCDMA/EDGE/ GPRS/GSM Multimode Mobile Phone**
Brand Name:	**ZTE**
Model Name:	**LF152**
FCC ID:	**Q78-ZTELF152**
Report No.:	**ER/2007/B0061**
Issue Date:	**Jan. 30, 2008**
FCC Rule Part:	**2 , 22H & 24E**
Prepared for	**ZTE CORPORATION** **ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R. China**
Prepared by	**SGS Taiwan Ltd.** **Electronics & Communication Laboratory** **No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei County, Taiwan.**

VERIFICATION OF COMPLIANCE

Applicant:	ZTE CORPORATION ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R. China
Product Name:	LF152 HSDPA WCDMA/EDGE/ GPRS/GSM Multimode Mobile Phone
FCC ID Number:	Q78-ZTELF152
Brand Name:	N/A
Model No.:	LF152
Model Difference:	N/A
File Number:	ER/2007/B0061
Date of test:	Nov. 29, 2007 ~ Jan. 03, 2008
Date of EUT Received:	Nov. 29, 2007

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-1-1998 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule FCC PART 22 subpart H and FCC PART 24 subpart E.

The test results of this report relate only to the tested sample identified in this report.

Test By:	Jason Wu	***Date***	Jan. 30, 2008
	Jason Wu / Sr. Engineer		
Prepared By:	Eva Kao	***Date***	Jan. 30, 2008
	Eva Kao / Sr. Engineer		
Approved By	Vincent Su	***Date***	Jan. 30, 2008
	Vincent Su / Manager		

Version

Version No.	Date
00	Jan. 03, 2008
01	Jan. 08, 2008
02	Jan. 30, 2008

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1. GENERAL INFORMATION

1.1 Product Description

Product Name:	LF152 HSDPA WCDMA/EDGE/GPRS/GSM Multimode Mobile Phone	
Brand Name:	ZTE	
Model Name:	LF152	
Model Difference:	N/A	
Simple Hands-Free (SHF):	Mode No.: TMD-600U, Supplier: Fujikon	
Data Cable (USB):	1 cable, model: N/A	
Power Supply	3.7 Vdc re-chargeable battery or 5Vdc by AC/DC power adapter	
	Battery:	Mode : Li3708T42P3h553447, Supplier: ZTE
	Adapter:	Mode : STC-A22O50U8-C, Supplier: ZTE

GSM and WCDMA:

Cellular Phone Standards Frequency Range and Power	GSM/GPRS 850	824 MHz– 849MHz	33 dBm
	EDGE 850	824 MHz– 849MHz	27 dBm
	GSM/GPRS 1900	1850MHz – 1910MHz	30 dBm
	EDGE 1900	1850MHz – 1910MHz	26 dBm
	WCDMA Band II	1850MHz – 1910MHz	24 dBm
	WCDMA Band V	824 MHz– 849MHz	24 dBm
Type of Emission	GSM: 300KGXW EDGE: 300KG7W WCDMA: 4M20F9W		
IMEI	004400152020002		

Bluetooth:

Frequency Range	2402 – 2480MHz
Channel number	79 channels
Rated Power	0.66 dBm (Peak)
Modulation type	Frequency Hopping Spread Spectrum (FHSS)(FGSK)
Antenna Designation	Micro-strip Antenna, -3 dBi,
Type of Emission	877KF1D

The EUT is compliance with Bluetooth Standard.

This test report applies for GSM/EGPRS 850, GSM/EGPRS 1900, WCDMA Band II, WCDMA Band V.

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: Q78-ZTELF152** filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on chapter 13 of ANSI C63.4 (2003) and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, WCDMA/HSDPA) was used for EUT and Base station setting.

1.4 Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-1

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 &10 meters) and FCC Registration Number: 94644.

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

2. SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

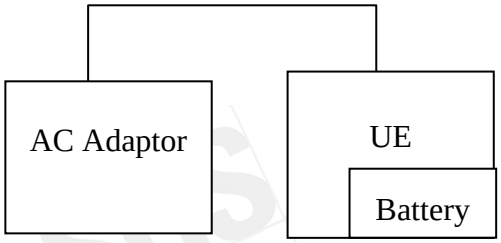
The EUT is placed on a turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4-2003.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and Average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 1.0 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 8 and 13 of ANSI C63.4-2003.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel)



Remote Side

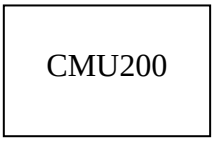


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	102189	shielded	Un-shielded

3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a) §22.913(a) §24.232(a)	RF Power Output	Compliant
§2.1046(a) §22.913(a) §24.232(a)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a)	Out of Band Emissions at Antenna Terminals and Band Edge	Compliant
§2.1053 §22.917(a) §24.238(a)	Field Strength of Spurious Radiation	Compliant
§2.1055(a)(1)(b)	Frequency Stability vs. Temperature	Compliant
§2.1055(d)(1)(2)	Frequency Stability vs. Voltage	Compliant
§15.107;§15.207	AC Power Line Conducted Emission	Compliant

4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

EUT staying in continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing.

The field strength of spurious radiation emission was measured as EUT stand-up position (E1 mode) and lie down position (E1, E2 mode) for both GSM/GPRS and WCDMA Band II and V with all power adaptors, earphone and Data cable. The output power of 850 and 1900 MHz EDGE modes have 3 dB lower than GSM mode's. Therefore the worst-case of E2 position for GSM 850 band, E1 position for GSM 1900 band were reported and E1 position for WCDMA Band V and E1 position for WCDMA Band II were reported.

5. RF POWER OUTPUT MEASUREMENT

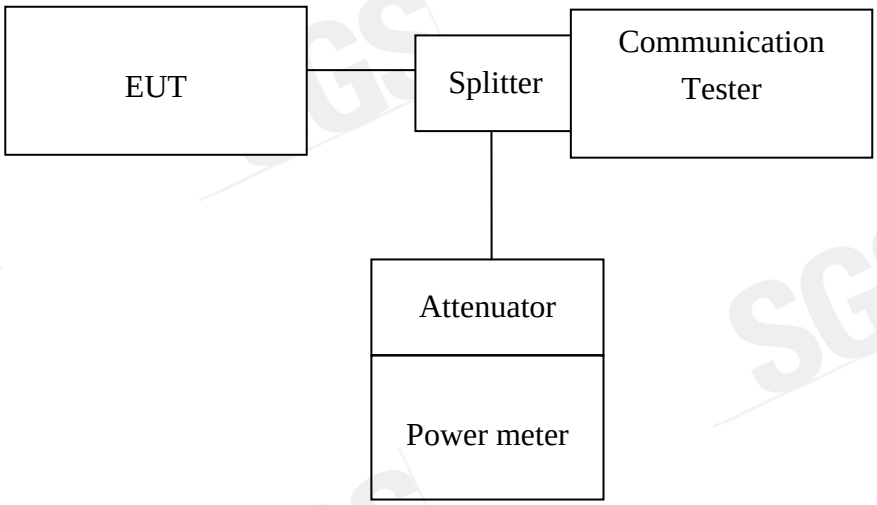
5.1 Standard Applicable

According to FCC §2.1046.

FCC 22.913(a) Mobile station are limited to 7W.

FCC 24.232(b) Mobile station are limited to 2W.

5.2 Test Set-up:



Note: *Measurement setup for testing on Antenna connector*

5.3 Measurement Procedure

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, WCDMA/HSDPA) was used for EUT and Base station setting.

5.4 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/27/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	01/05/2007	01/04/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Power Sensor	Anritsu	MA2490A	31431	07/07/2007	07/06/2008
Power Meter	Anritsu	ML2487A	6K00002070	07/07/2007	07/06/2008
Temperature Chamber	TERCHY	MHG-120LF	911009	04/26/2007	04/25/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2007	07/04/2008
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2007	07/04/2008
Splitter	Agilent	11636B	51728	07/05/2007	07/04/2008
DC Power Supply	Agilent	6038A	2929A-07548	06/27/2007	06/26/2008

5.5 Measurement Result

EUT Mode	Frequency (MHz)	CH	Power meter Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
GSM 850	824.20	128	14.5	17.80	32.30
	836.60	190	14.3	17.80	32.10
	848.80	251	14	17.80	31.80

EUT Mode	Frequency (MHz)	CH	Power Meter Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
PCS 1900	1850.20	512	12.1	17.80	29.90
	1880.00	661	12.2	17.80	30.00
	1909.80	810	12.2	17.80	30.00

EUT Mode	Frequency (MHz)	CH	CMU200 Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
EGPRS 850	824.20	128	8.40	17.80	26.20
	836.60	190	8.20	17.80	26.00
	848.80	251	7.90	17.80	25.70

EUT Mode	Frequency (MHz)	CH	CMU200 Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
EGPRS 1900	1850.20	512	7.80	17.80	25.60
	1880.00	661	8.00	17.80	25.80
	1909.80	810	8.10	17.80	25.90

EUT Mode	Frequency (MHz)	CH	Power meter Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
WCDMA V	826.40	4132	4.76	17.80	22.56
	836.00	4180	5.07	17.80	22.87
	846.60	4233	4.90	17.80	22.70

EUT Mode	Frequency (MHz)	CH	Power Meter Reading (dBm)	Path Loss (dB)	Peak Power (dBm)
WCDMA II	1852.40	9262	3.92	17.80	21.72
	1880.00	9400	3.98	17.80	21.78
	1907.60	9538	4.16	17.80	21.96

6. ERP, EIRP MEASUREMENT

6.1 Standard Applicable

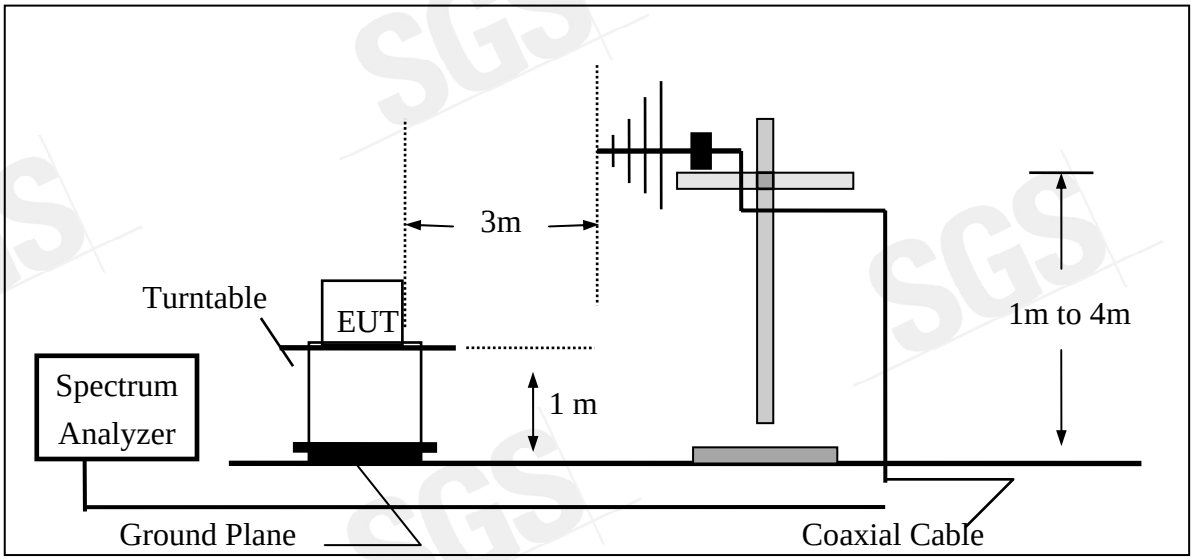
According to FCC §2.1046

FCC 22.913(a) Mobile station are limited to 7W ERP.

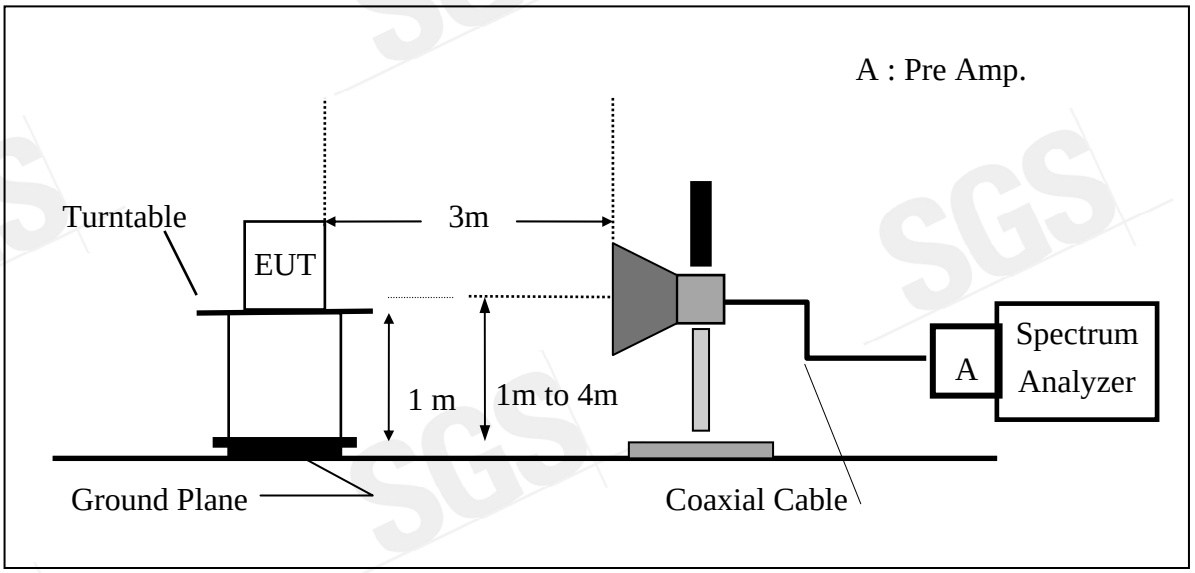
FCC 24.232(b) Mobile station are limited to 2W EIRP.

6.2 Test SET-UP (Block Diagram of Configuration)

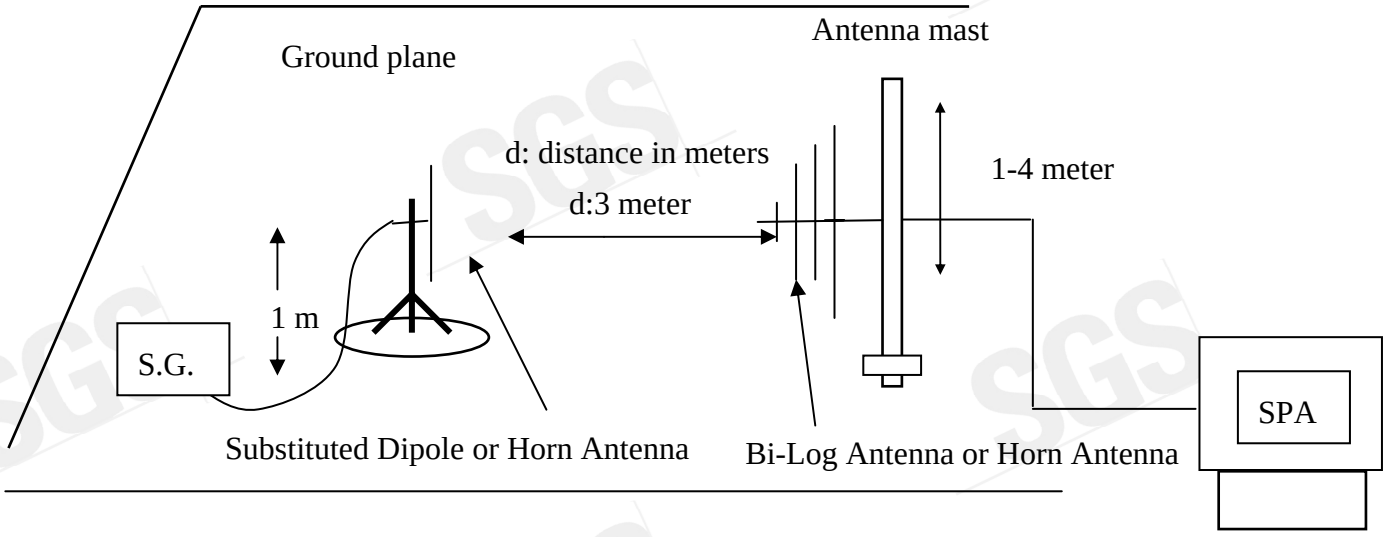
(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



(C) Substituted Method Test Set-UP



6.3 Measurement 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 the 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 a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or 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, WCDMA/HSDPA) was used for EUT and Base station setting.

6.4 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2006	11/10/2007
Communication Test	R&S	SMU200	N/A	N/A	N/A
Bi-log Antenna	SCHWAZBECK	VULB9160	3224	11/14/2006	11/13/2007
Horn antenna	SCHWAZBECK	BBHA 9120D	309/320	08/16/2007	08/15/2008
Pre-Amplifier	HP	8447D	2944A09469	07/19/2007	07/18/2008
Pre-Amplifier	HP	8494B	3008A00578	02/26/2007	02/25/2008
Signal Generator	R&S	SMR40	100210	02/09/2007	02/10/2008
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	10/09/2007	10/08/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	10/09/2007	10/08/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-0.5M	0.5m	10/09/2007	10/08/2008
Site NSA	SGS	966 chamber	N/A	11/17/2006	11/16/2007
Attenuator	Mini-Circult	BW-S10W5	N/A	09/23/2007	09/22/2008
Dipole Antenna	SCHWAZBECK	VHAP	908/909	06/09/2007	06/10/2008
Dipole Antenna	SCHWAZBECK	UHAP	891/892	06/09/2007	06/10/2008
Horn antenna	SCHWAZBECK	BBHA 9120D	N/A	08/16/2007	08/15/2008

6.5 Measurement Result

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	824.20	128	H	V	120.67	33.35	-7.87	3.64	21.83	38.45
				H	127.32	39.66	-7.87	3.64	28.15	38.45
			E1	V	127.36	40.04	-7.87	3.64	28.52	38.45
				H	117.85	30.19	-7.87	3.64	18.68	38.45
			E2	V	120.74	33.42	-7.87	3.64	21.90	38.45
				H	128.70	41.04	-7.87	3.64	29.53	38.45
	836.60	190	H	V	120.65	33.62	-7.88	3.70	22.05	38.45
				H	126.42	39.08	-7.88	3.70	27.51	38.45
			E1	V	126.60	39.57	-7.88	3.70	28.00	38.45
				H	118.27	30.93	-7.88	3.70	19.36	38.45
			E2	V	120.46	33.43	-7.88	3.70	21.86	38.45
				H	127.91	40.57	-7.88	3.70	29.00	38.45
	848.80	251	H	V	119.50	32.76	-7.88	3.75	21.13	38.45
				H	125.76	38.74	-7.88	3.75	27.11	38.45
			E1	V	126.21	39.47	-7.88	3.75	27.84	38.45
				H	118.04	31.02	-7.88	3.75	19.39	38.45
			E2	V	119.93	33.19	-7.88	3.75	21.56	38.45
				H	126.84	39.82	-7.88	3.75	28.19	38.45

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz , VBW= 3MHz

6.6 Measurement Result

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	1850.20	512	H	V	116.11	9.15	9.90	5.41	13.64	33.00
				H	124.52	17.63	9.90	5.41	22.12	33.00
			E1	V	126.89	19.93	9.90	5.41	24.42	33.00
				H	121.92	15.03	9.90	5.41	19.52	33.00
			E2	V	121.88	14.92	9.90	5.41	19.41	33.00
				H	124.72	17.83	9.90	5.84	21.89	33.00
	1880.00	661	H	V	116.85	9.90	9.99	5.46	14.43	33.00
				H	124.41	17.54	9.99	5.46	22.07	33.00
			E1	V	126.65	19.70	9.99	5.46	24.23	33.00
				H	121.61	14.74	9.99	5.46	19.27	33.00
			E2	V	121.71	14.76	9.99	5.46	19.29	33.00
				H	124.84	17.97	9.99	5.46	22.50	33.00
	1909.80	810	H	V	117.07	10.13	10.08	5.51	14.70	33.00
				H	124.58	17.73	10.08	5.51	22.29	33.00
			E1	V	125.48	18.54	10.08	5.51	23.11	33.00
				H	122.77	15.92	10.08	5.51	20.48	33.00
			E2	V	121.08	14.14	10.08	5.51	18.71	33.00
				H	125.00	18.15	10.08	5.51	22.71	33.00

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz , VBW= 3MHz

6.7 Measurement Result

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)
EGPRS 850	824.20	128	H	V	117.61	30.34	-7.88	3.65	18.81	38.45
				H	123.18	35.58	-7.88	3.65	24.05	38.45
			E1	V	123.13	35.86	-7.88	3.65	24.33	38.45
				H	117.99	30.39	-7.88	3.65	18.86	38.45
			E2	V	115.96	28.69	-7.88	3.65	17.16	38.45
				H	121.26	33.66	-7.88	3.65	22.13	38.45
	836.60	190	H	V	119.20	32.16	-7.88	3.69	20.59	38.45
				H	123.98	36.63	-7.88	3.69	25.06	38.45
			E1	V	124.13	37.09	-7.88	3.69	25.52	38.45
				H	118.39	31.04	-7.88	3.69	19.47	38.45
			E2	V	116.18	29.14	-7.88	3.69	17.57	38.45
				H	123.38	36.03	-7.88	3.69	24.46	38.45
	848.80	251	H	V	119.15	32.36	-7.88	3.74	20.74	38.45
				H	123.45	36.37	-7.88	3.74	24.75	38.45
			E1	V	124.28	37.49	-7.88	3.74	25.87	38.45
				H	117.08	30.00	-7.88	3.74	18.38	38.45
			E2	V	115.19	28.40	-7.88	3.74	16.78	38.45
				H	123.35	36.27	-7.88	3.74	24.65	38.45

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz , VBW= 3MHz

6.8 Measurement Result

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)
EGPRS 1900	1850.20	512	H	V	114.54	7.58	9.90	5.41	12.08	33.00
				H	124.73	17.84	9.90	5.41	22.34	33.00
			E1	V	125.44	18.48	9.90	5.41	22.98	33.00
				H	121.92	15.03	9.90	5.41	19.53	33.00
			E2	V	126.36	19.40	9.90	5.41	23.90	33.00
				H	120.22	13.33	9.90	5.84	17.39	33.00
	1880.00	661	H	V	113.92	6.97	9.99	5.46	11.50	33.00
				H	124.05	17.18	9.99	5.46	21.71	33.00
			E1	V	123.90	16.95	9.99	5.46	21.48	33.00
				H	121.45	14.58	9.99	5.46	19.11	33.00
			E2	V	125.36	18.41	9.99	5.46	22.94	33.00
				H	118.88	12.01	9.99	5.46	16.54	33.00
	1909.80	810	H	V	114.07	7.13	10.07	5.51	11.70	33.00
				H	124.29	17.43	10.07	5.51	22.00	33.00
			E1	V	124.50	17.56	10.07	5.51	22.13	33.00
				H	122.34	15.48	10.07	5.51	20.05	33.00
			E2	V	125.93	18.99	10.07	5.51	23.56	33.00
				H	118.37	11.51	10.07	5.51	16.08	33.00

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz , VBW= 3MHz

6.9 Measurement Result

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 V	826.40	4132	H	V	107.03	19.76	-7.88	3.65	8.23	38.45
				H	112.04	24.44	-7.88	3.65	12.91	38.45
			E1	V	114.42	27.15	-7.88	3.65	15.62	38.45
				H	103.11	15.51	-7.88	3.65	3.98	38.45
			E2	V	108.71	21.44	-7.88	3.65	9.91	38.45
				H	114.56	26.96	-7.88	3.65	15.43	38.45
	836.00	4180	H	V	105.69	18.65	-7.88	3.69	7.08	38.45
				H	112.34	24.99	-7.88	3.69	13.42	38.45
			E1	V	114.56	27.52	-7.88	3.69	15.95	38.45
				H	105.06	17.71	-7.88	3.69	6.14	38.45
			E2	V	108.29	21.25	-7.88	3.69	9.68	38.45
				H	118.82	31.47	-7.88	3.69	19.90	38.45
	846.60	4233	H	V	105.02	18.23	-7.88	3.74	6.61	38.45
				H	112.43	25.35	-7.88	3.74	13.73	38.45
			E1	V	114.79	28.00	-7.88	3.74	16.38	38.45
				H	105.76	18.68	-7.88	3.74	7.06	38.45
			E2	V	114.66	27.87	-7.88	3.74	16.25	38.45
				H	118.47	31.39	-7.88	3.74	19.77	38.45

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

Above 1GHz was RBW= 1MHz , VBW= 3MHz

6.10 Measurement Result

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)
WCDMA II	1852.40	9262	H	V	111.77	4.81	9.90	5.41	9.31	33.00
				H	117.14	10.25	9.90	5.41	14.75	33.00
			E1	V	118.70	11.74	9.90	5.41	16.24	33.00
				H	114.01	7.12	9.90	5.41	11.62	33.00
			E2	V	115.97	9.01	9.90	5.41	13.51	33.00
				H	119.01	12.12	9.90	5.84	16.18	33.00
	1880.00	9400	H	V	112.23	5.28	9.99	5.46	9.81	33.00
				H	117.29	10.42	9.99	5.46	14.95	33.00
			E1	V	119.44	12.49	9.99	5.46	17.02	33.00
				H	113.94	7.07	9.99	5.46	11.60	33.00
			E2	V	115.54	8.59	9.99	5.46	13.12	33.00
				H	118.82	11.95	9.99	5.46	16.48	33.00
	1907.60	9538	H	V	110.90	3.96	10.07	5.51	8.53	33.00
				H	116.86	10.00	10.07	5.51	14.57	33.00
			E1	V	117.80	10.86	10.07	5.51	15.43	33.00
				H	112.32	5.46	10.07	5.51	10.03	33.00
			E2	V	114.66	7.72	10.07	5.51	12.29	33.00
				H	118.47	11.61	10.07	5.51	16.18	33.00

Remark：

(1) The RBW,VBW of SPA for frequency

Below 1GHz was RBW=100 KHz, VBW=300KHz,

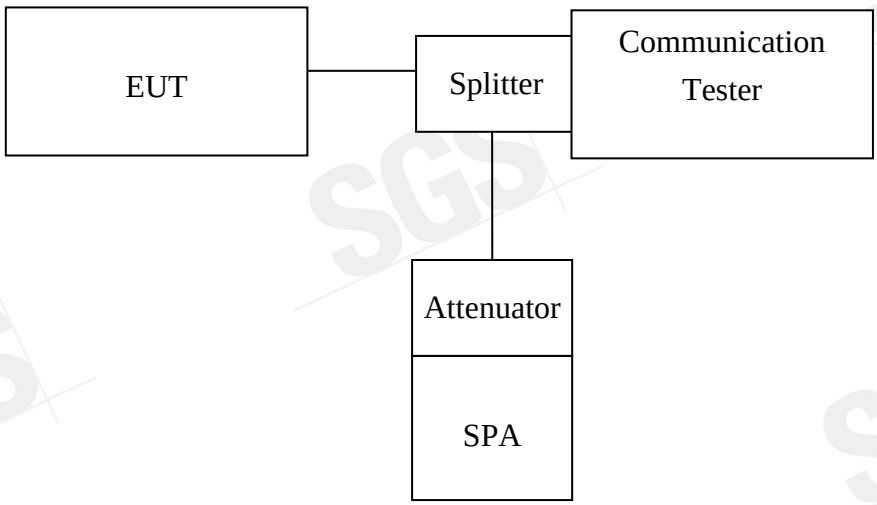
Above 1GHz was RBW= 1MHz , VBW= 3MHz

7. 99% OCCUPIED BANDWIDTH MEASUREMENT

7.1 Standard Applicable

According to §FCC 2.1049.

7.2 Test Set-up:



Note: *Measurement setup for testing on Antenna connector*

7.3 Measurement Procedure

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW (10/30KHz) was set to about 1% of emission BW, VBW= 3 times RBW(30/100KHz), -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

7.4 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/27/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	01/05/2007	01/04/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Power Sensor	Anritsu	MA2490A	31431	07/07/2007	07/06/2008
Power Meter	Anritsu	ML2487A	6K00002070	07/07/2007	07/06/2008
Temperature Chamber	TERCHY	MHG-120LF	911009	04/26/2007	04/25/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2007	07/04/2008
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2007	07/04/2008
Splitter	Agilent	11636B	51728	07/05/2007	07/04/2008
DC Power Supply	Agilent	6038A	2929A-07548	06/27/2007	06/26/2008

7.5 Measurement Result:.

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
GSM 850	824.20	128	0.2455
	836.60	190	0.2451
	848.80	251	0.2461

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
PCS 1900	1850.20	512	0.2426
	1880.00	661	0.2468
	1909.80	810	0.2469

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
EGPRS 850	824.20	128	0.2438
	836.60	190	0.2436
	848.80	251	0.2437

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
EGPRS 1900	1850.20	512	0.2444
	1880.00	661	0.2449
	1909.80	810	0.2447

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
WCDMA V	826.40	4132	4.1671
	836.00	4180	4.1834
	846.60	4233	4.1688

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
WCDMA II	1852.40	9262	4.1731
	1880.00	9400	4.1793
	1907.60	9538	4.1776

Figure 7-1: GSM Channel Low

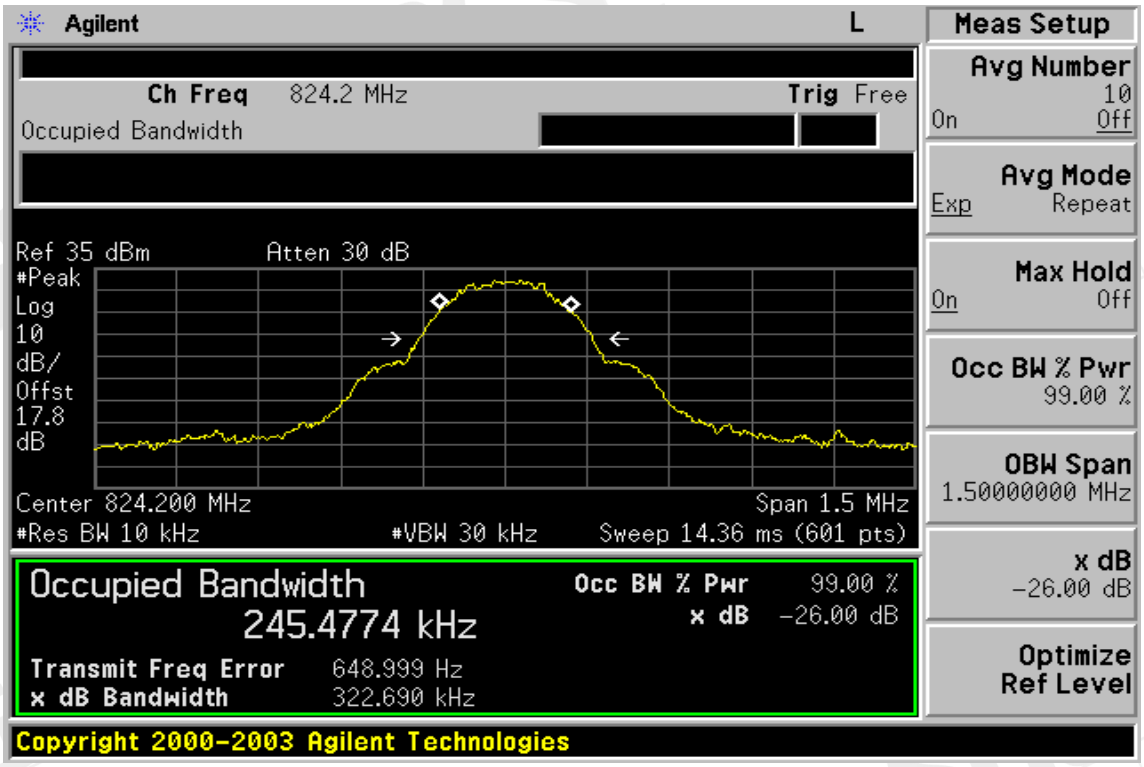


Figure 7-2 GSM Channel Mid

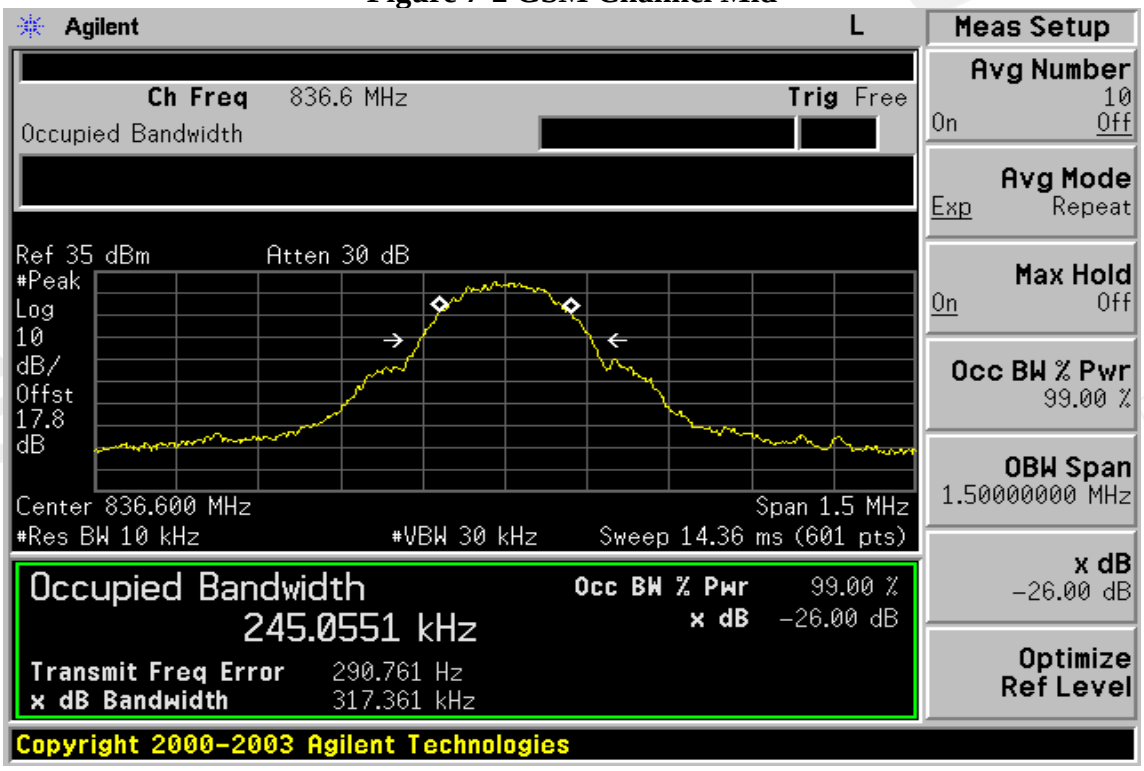


Figure 7-3: GSM Channel High

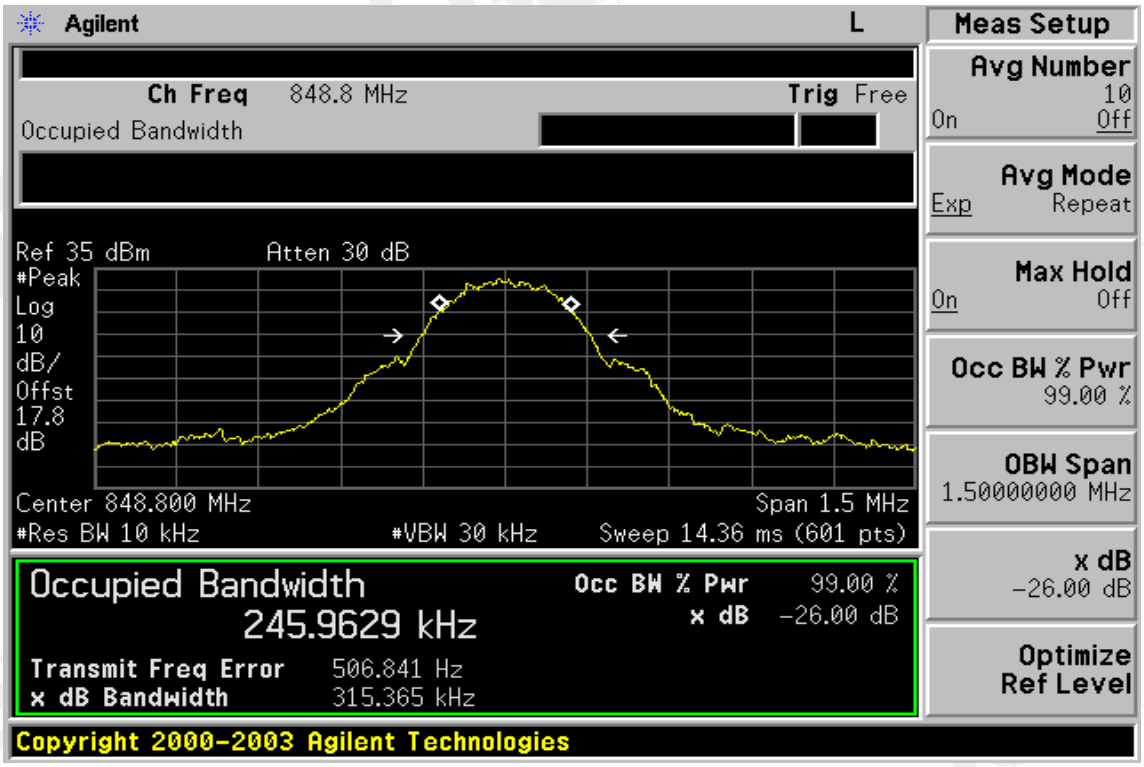


Figure 7-4: PCS Channel Low

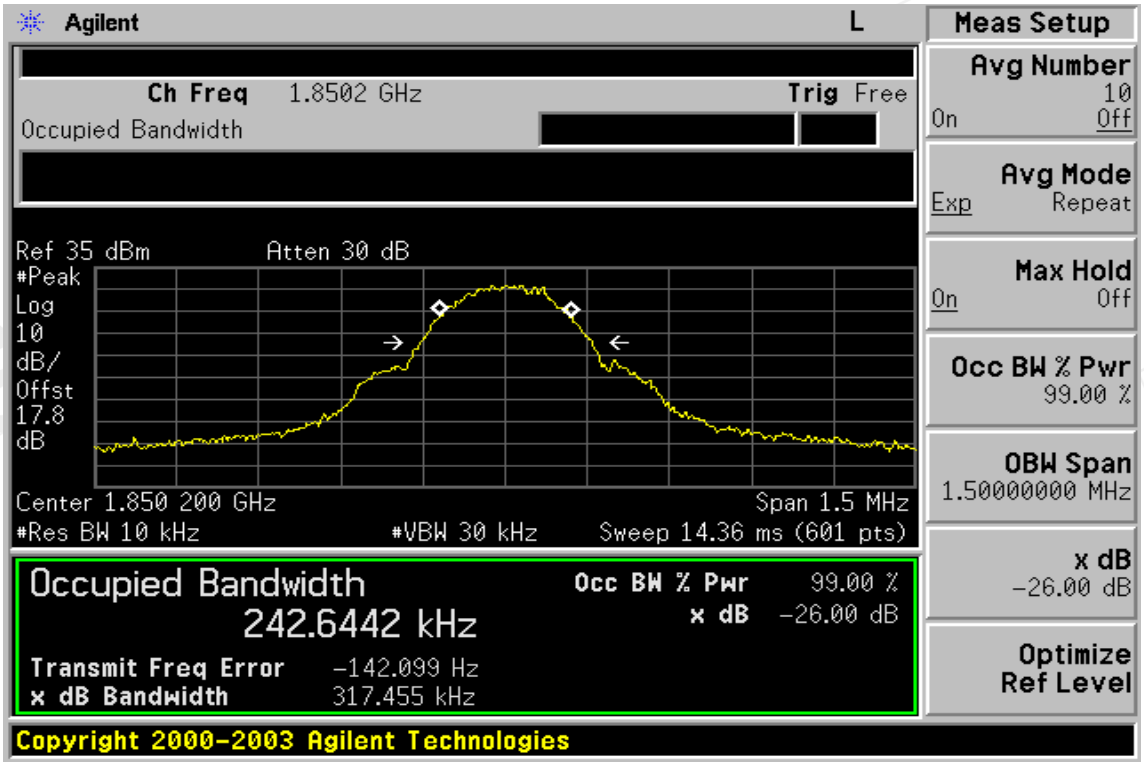


Figure 7-5 PCS Channel Mid

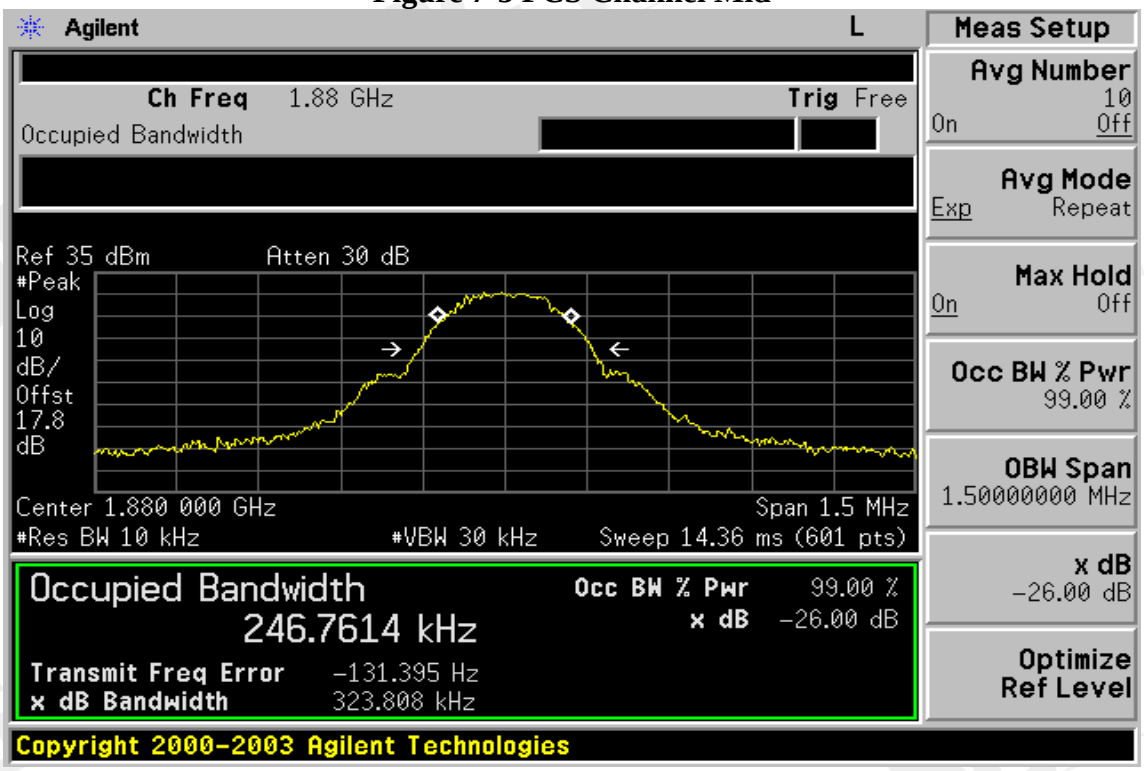


Figure 7-6: PCS Channel High

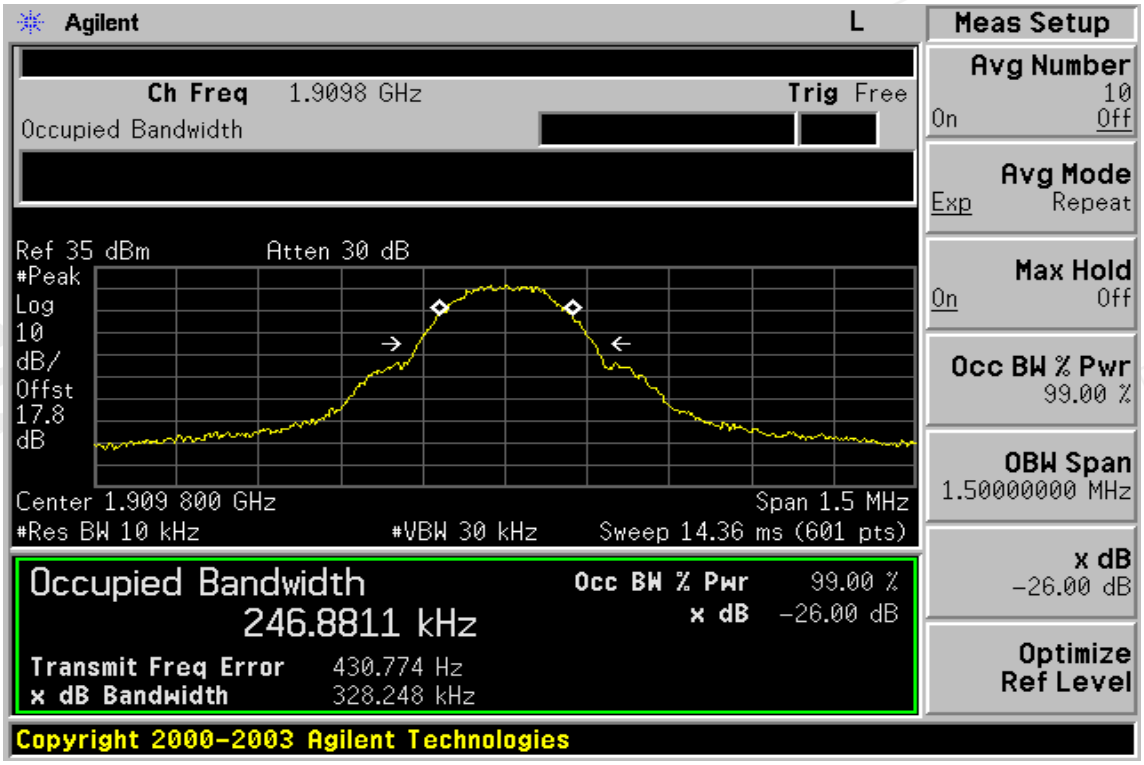


Figure 7-7: EGPRS 850 Channel Low

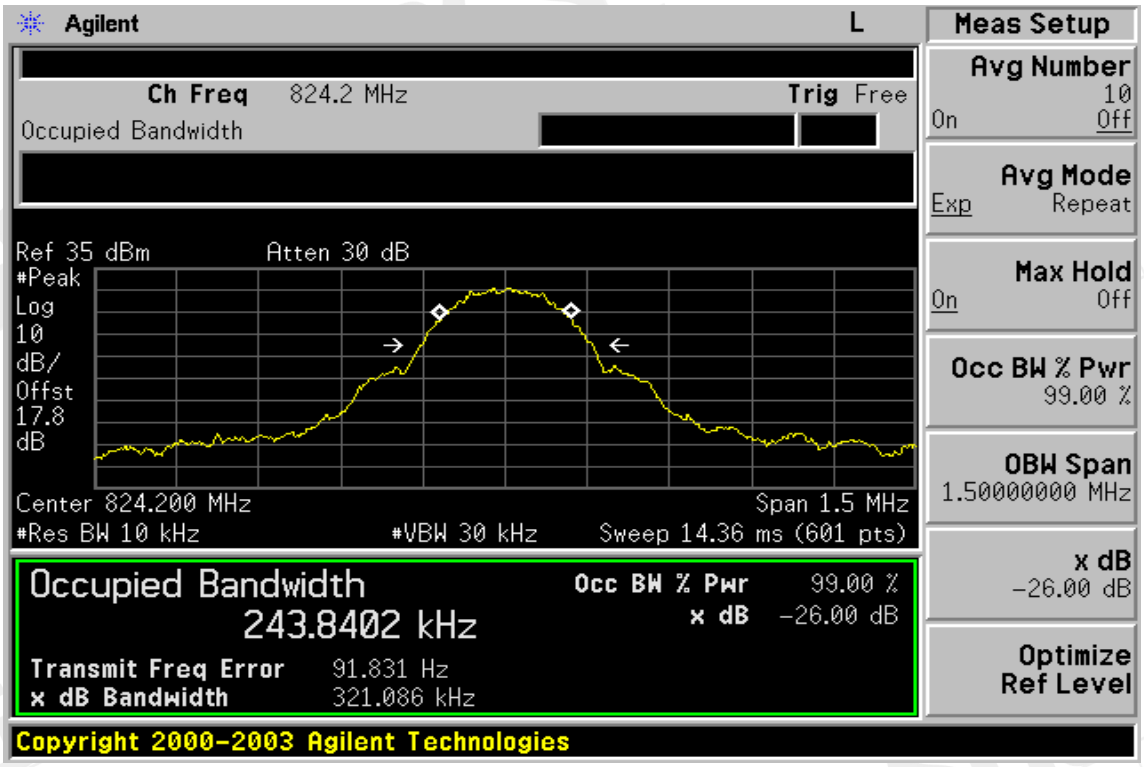


Figure 7-8 EGPRS 850 Channel Mid

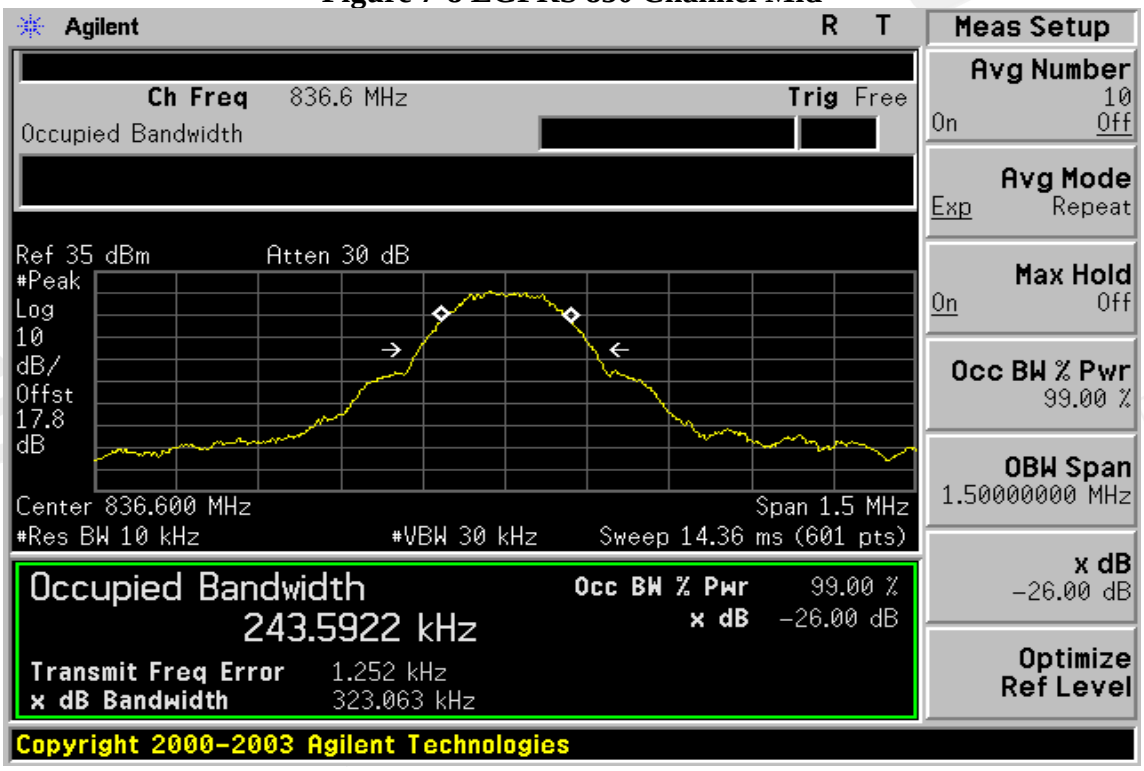


Figure 7-9: EGPRS 850 Channel High

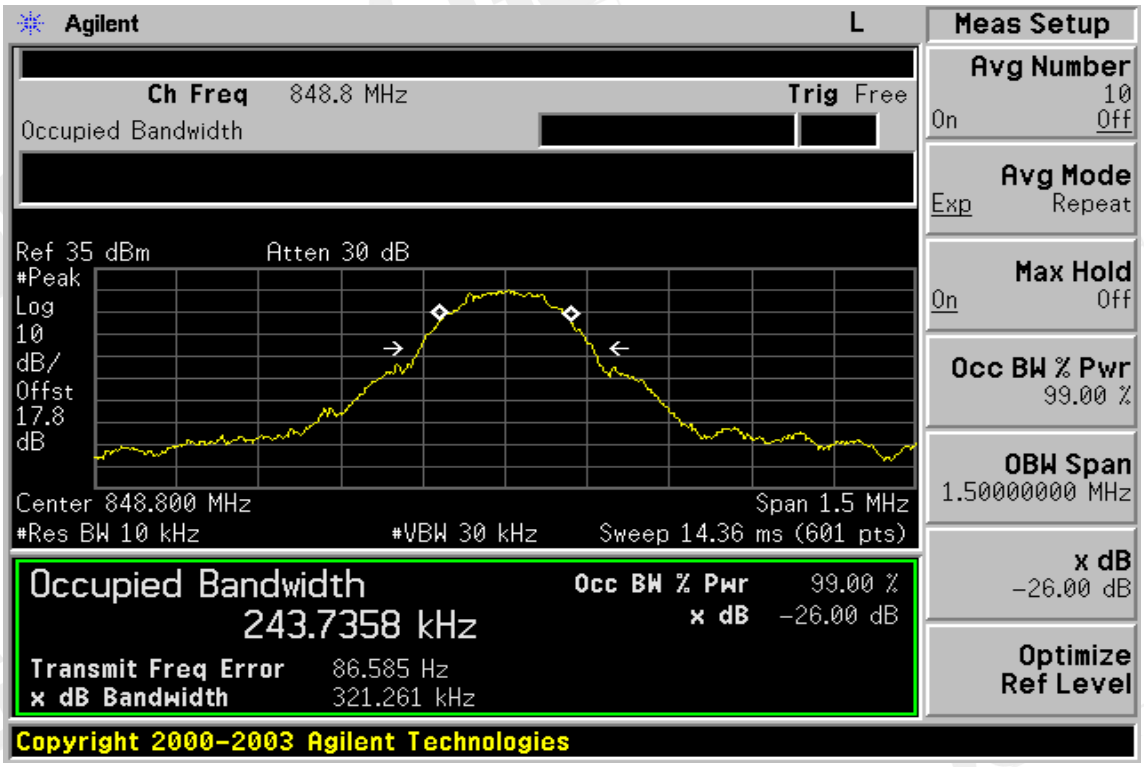


Figure 7-10: EGPRS 1900 Channel Low

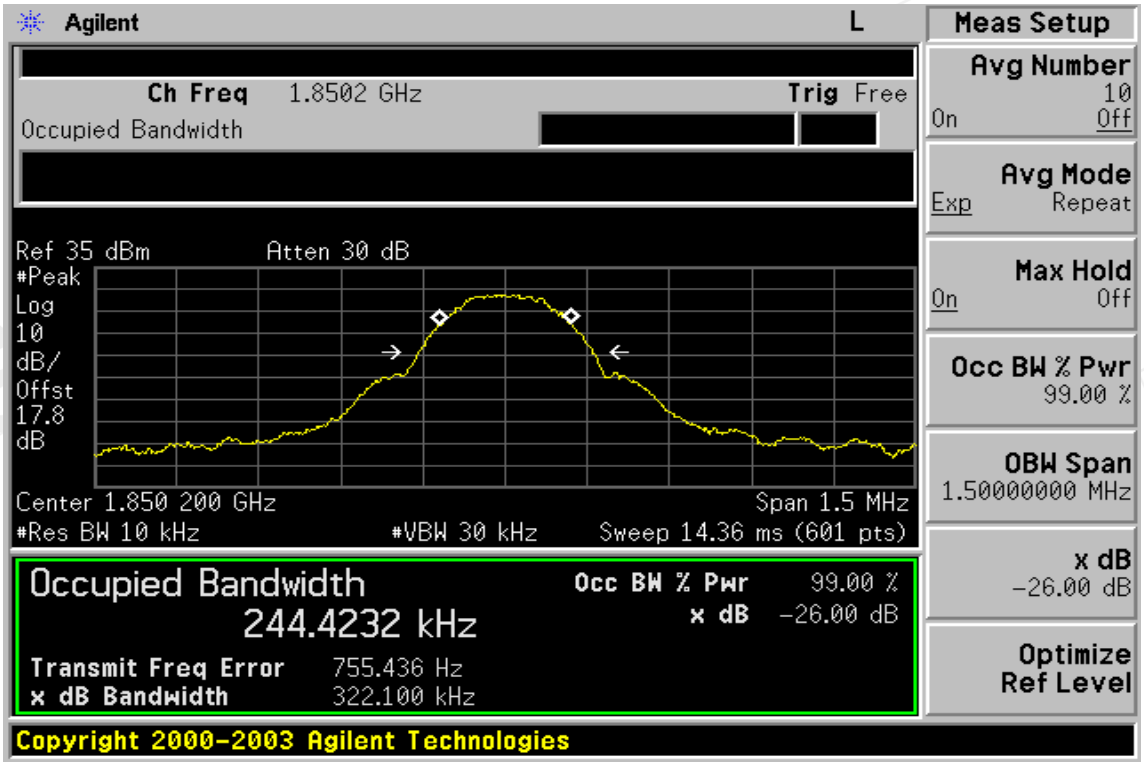


Figure 7-11 EGPRS 1900 Channel Mid

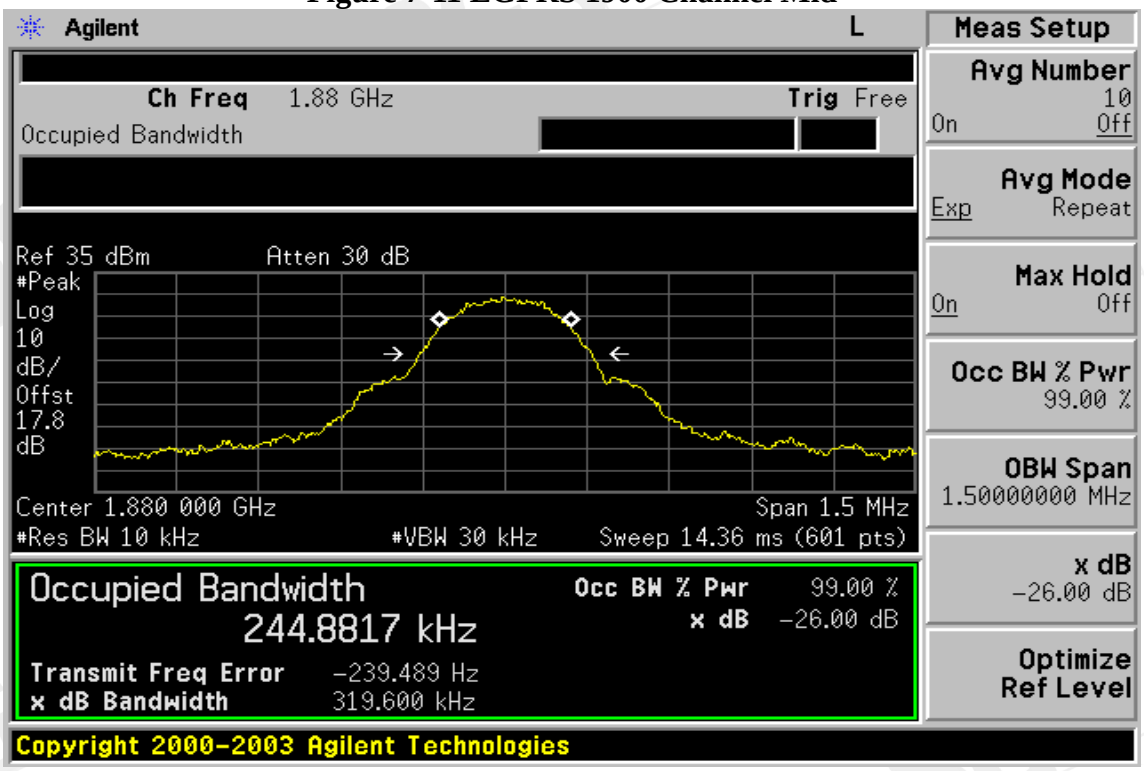


Figure 7-12: EGPRS 1900 Channel High

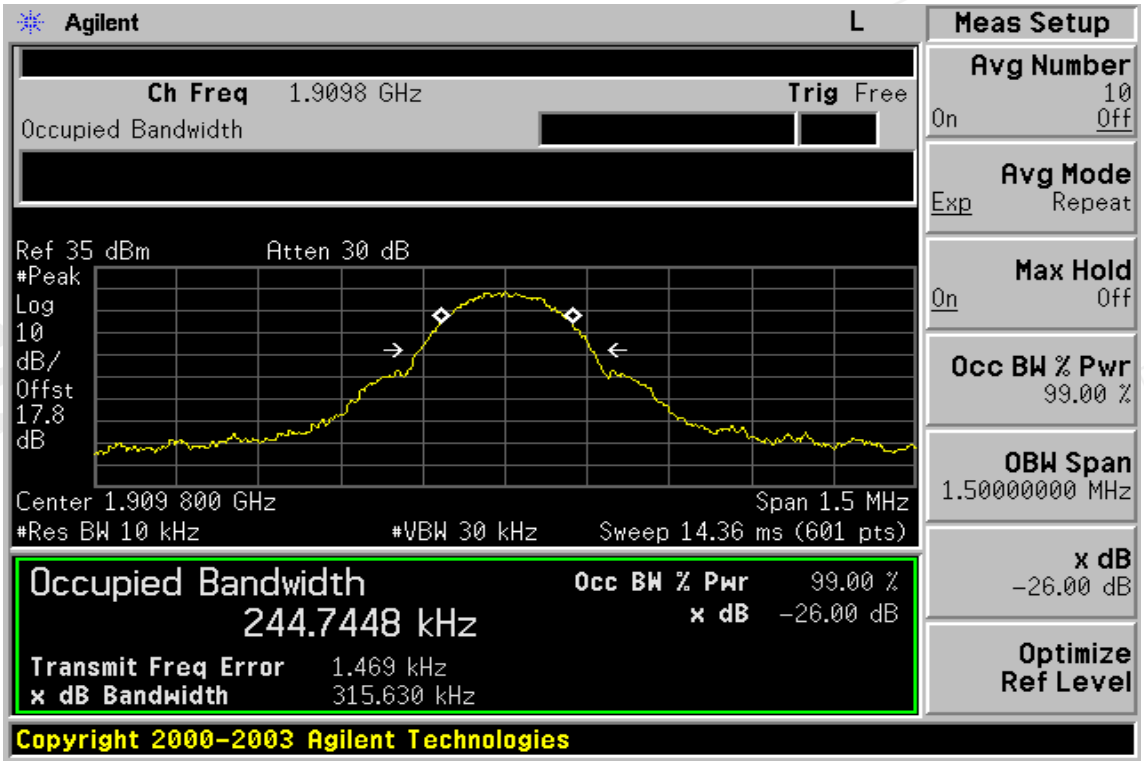


Figure 7-13: WCDMA BAND II Channel Low

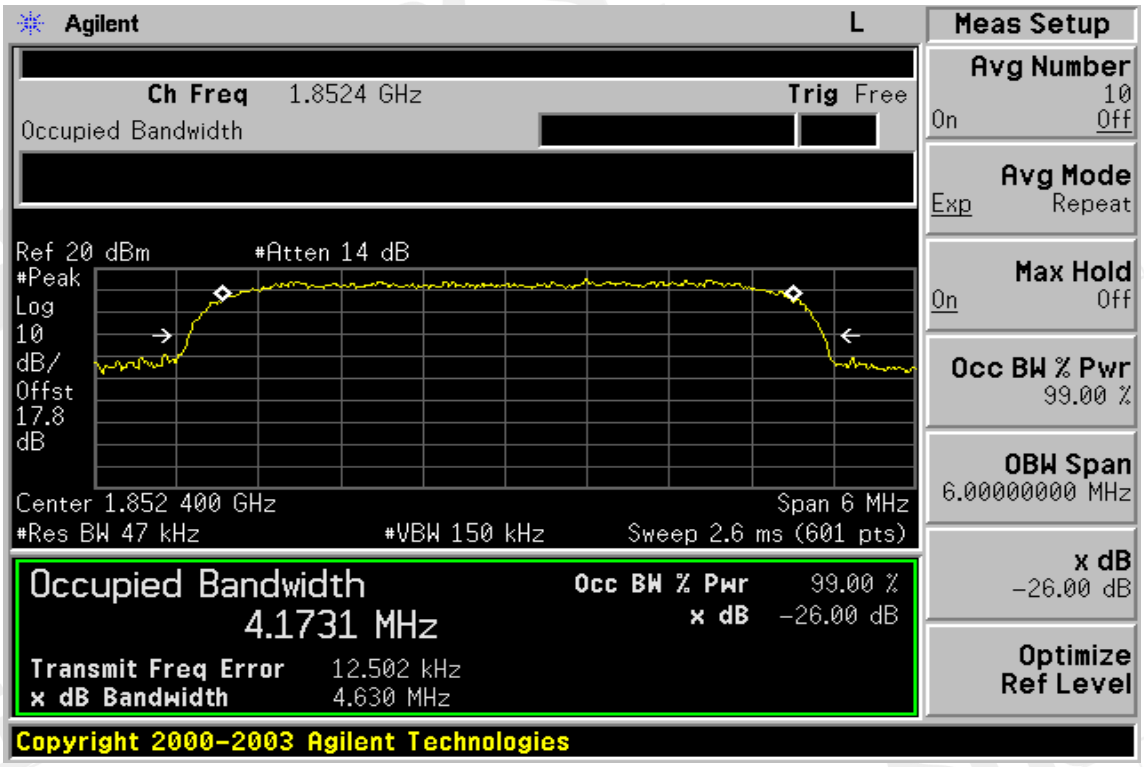


Figure 7-14 WCDMA BAND II Channel Mid

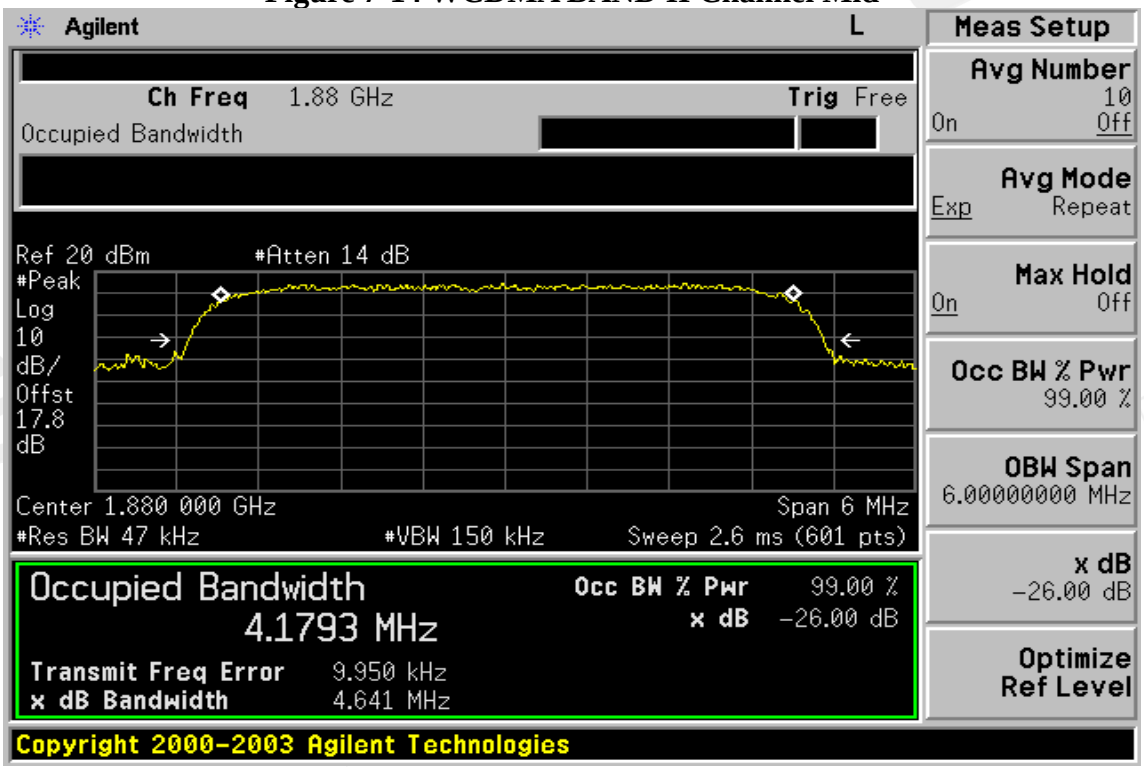


Figure 7-15: WCDMA BAND II Channel High

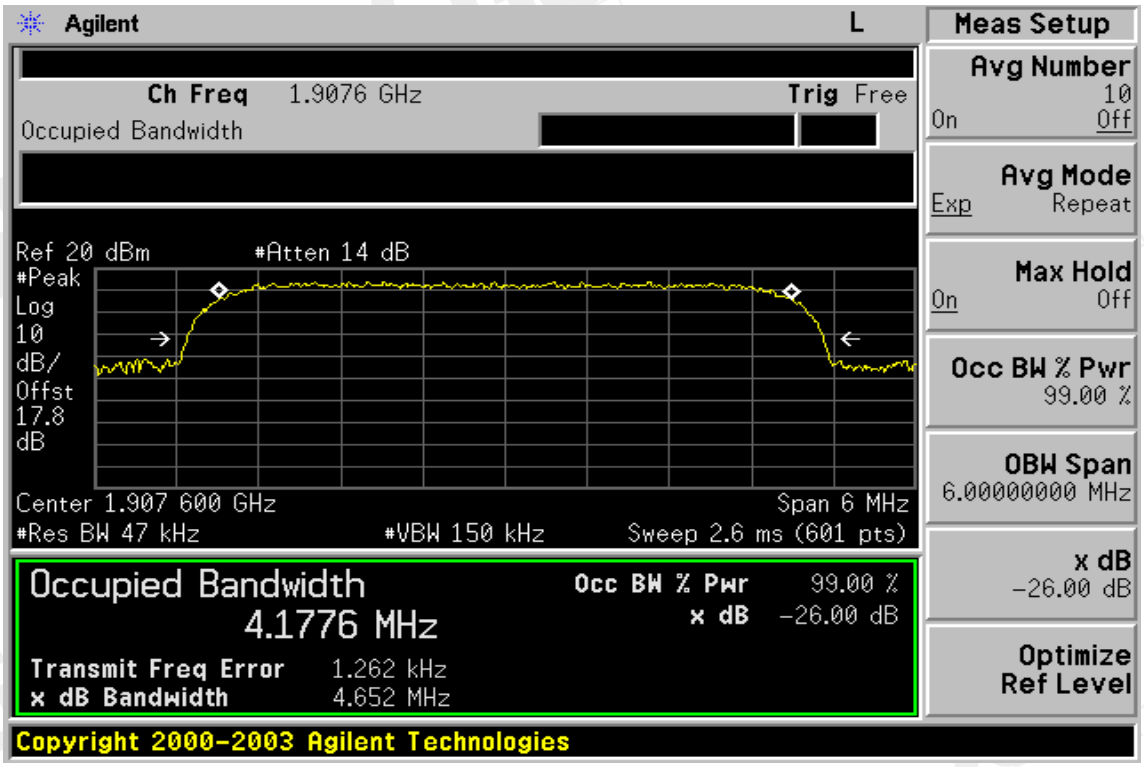


Figure 7-16: WCDMA BAND V Channel Low

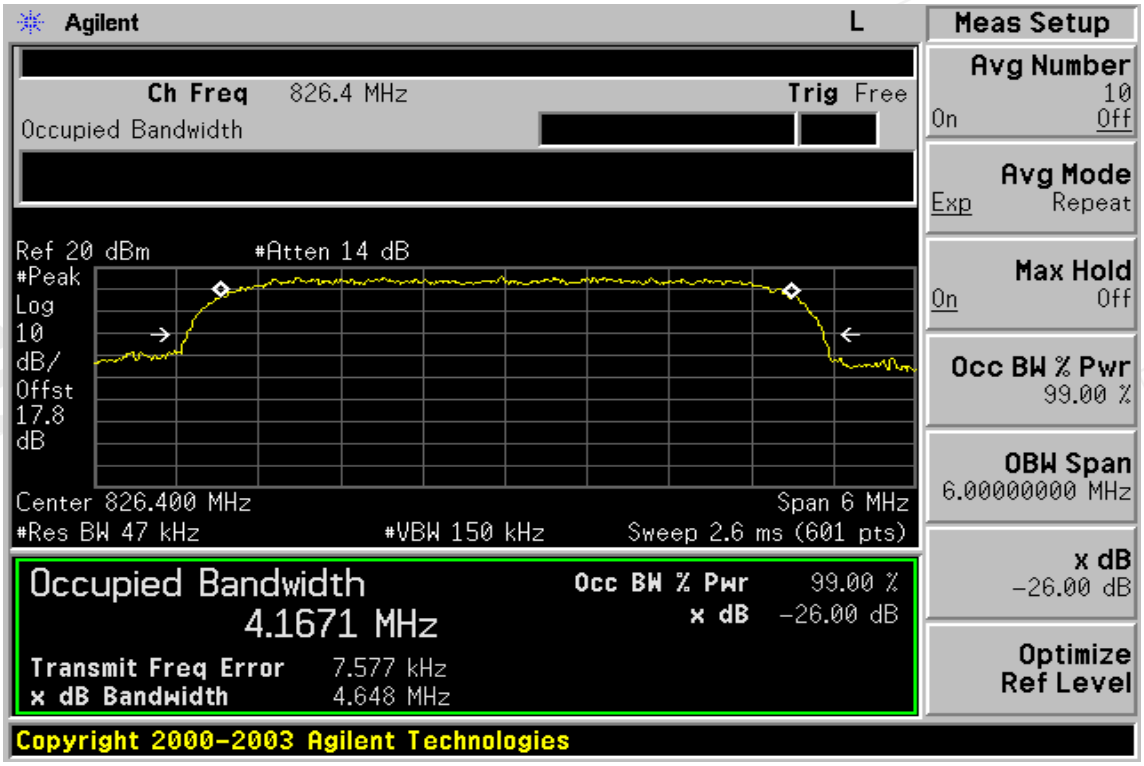


Figure 7-17 WCDMA BAND V Channel Mid

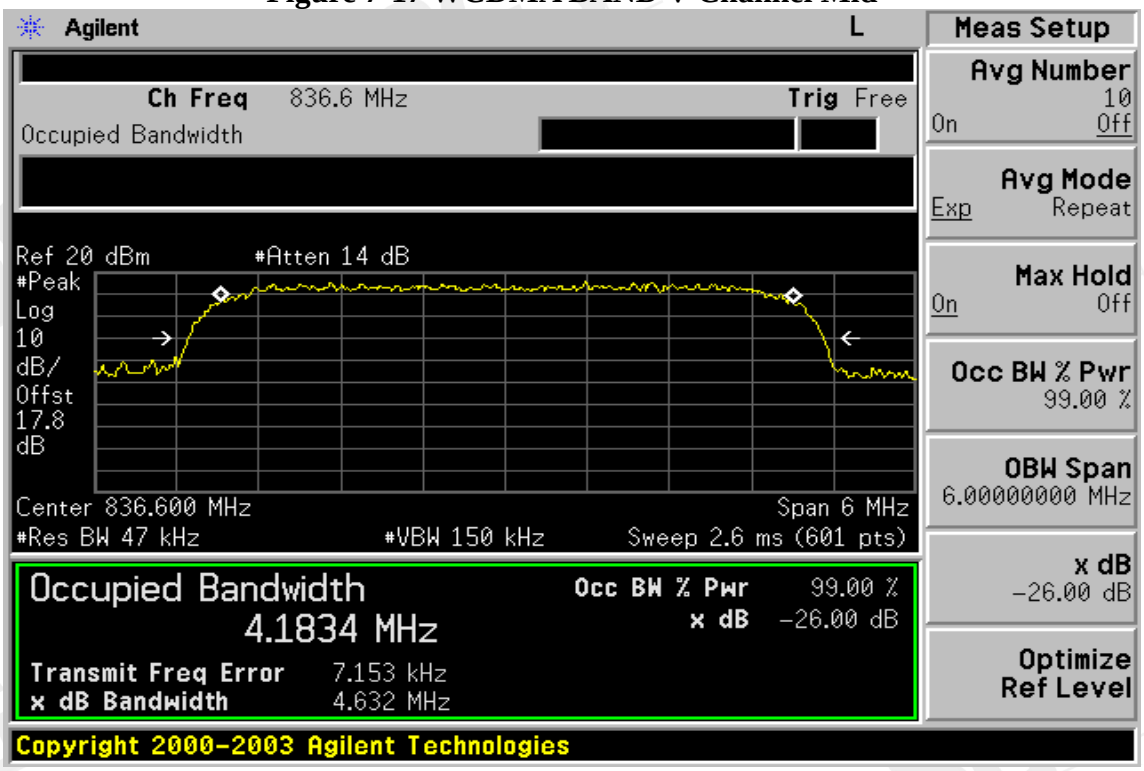
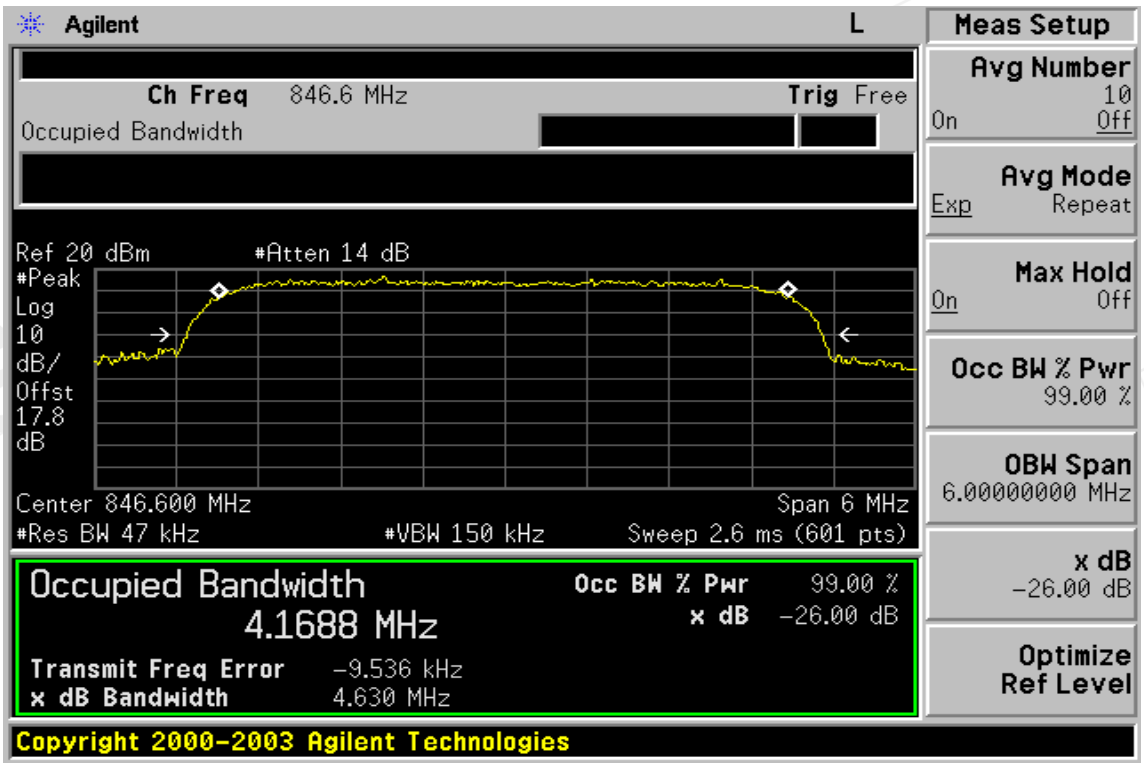


Figure 7-18: WCDMA BAND V Channel High



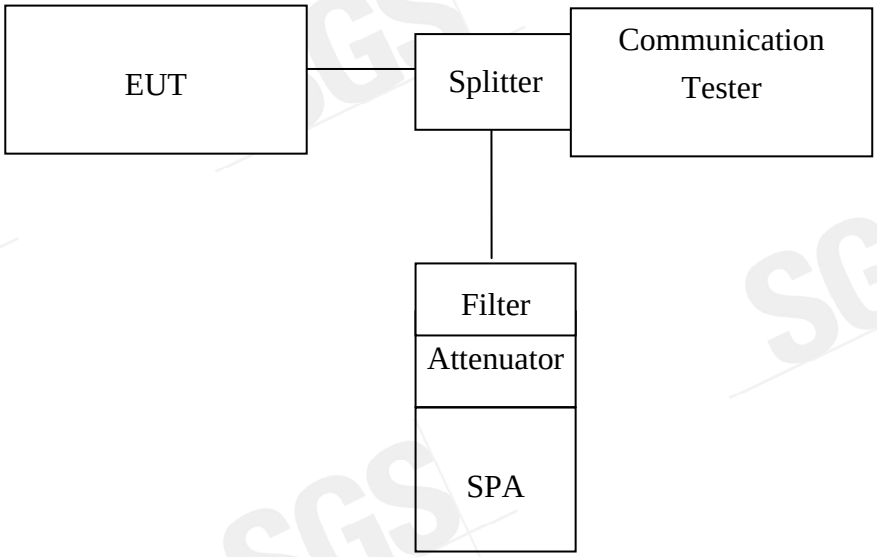
8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1 Standard Applicable

According to FCC §2.1051.

FCC §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 specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

8.2 Test SET-UP



Note: *Measurement setup for testing on Antenna connector*

8.3 Measurement Procedure

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

For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10 th harmonic. Limit = -13dBm

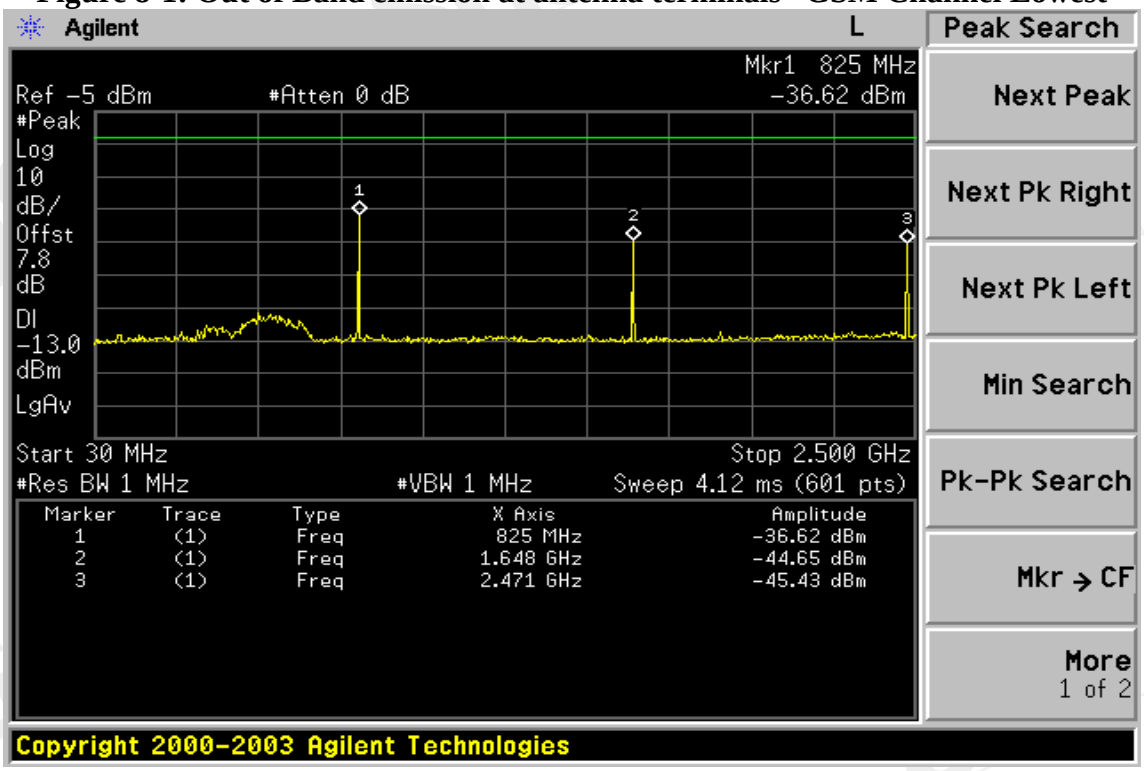
Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

8.4 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/27/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	01/05/2007	01/04/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Power Sensor	Anritsu	MA2490A	31431	07/07/2007	07/06/2008
Power Meter	Anritsu	ML2487A	6K00002070	07/07/2007	07/06/2008
Temperature Chamber	TERCHY	MHG-120LF	911009	04/26/2007	04/25/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2007	07/04/2008
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2007	07/04/2008
Splitter	Agilent	11636B	51728	07/05/2007	07/04/2008
DC Power Supply	Agilent	6038A	2929A-07548	06/27/2007	06/26/2008

8.5 Measurement Result

Figure 8-1: Out of Band emission at antenna terminals– GSM Channel Lowest



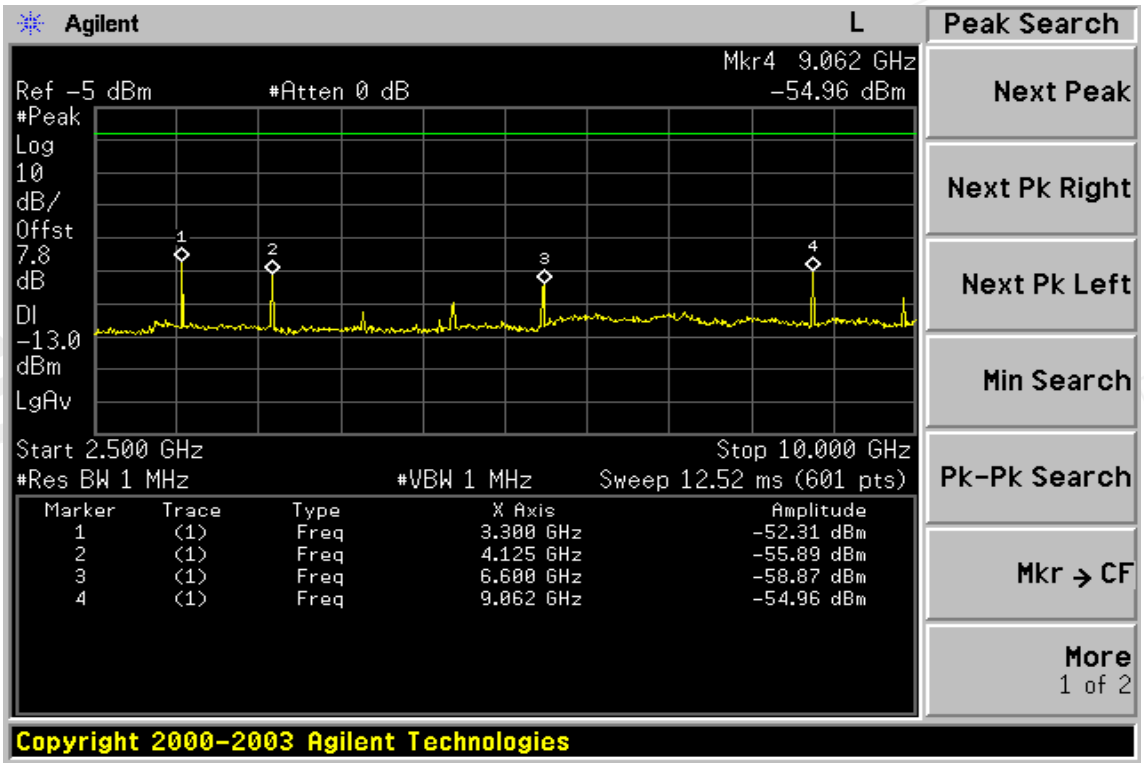
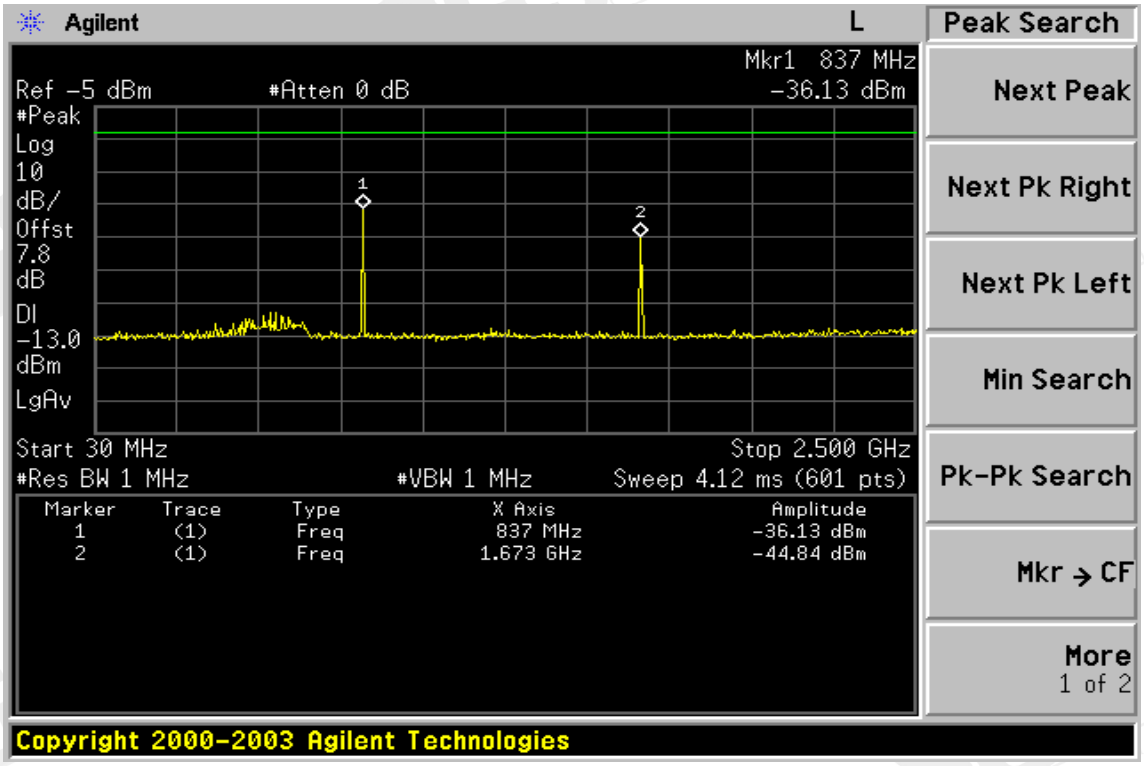


Figure 8-2: Out of Band emission at antenna terminals –GSM Channel Mid



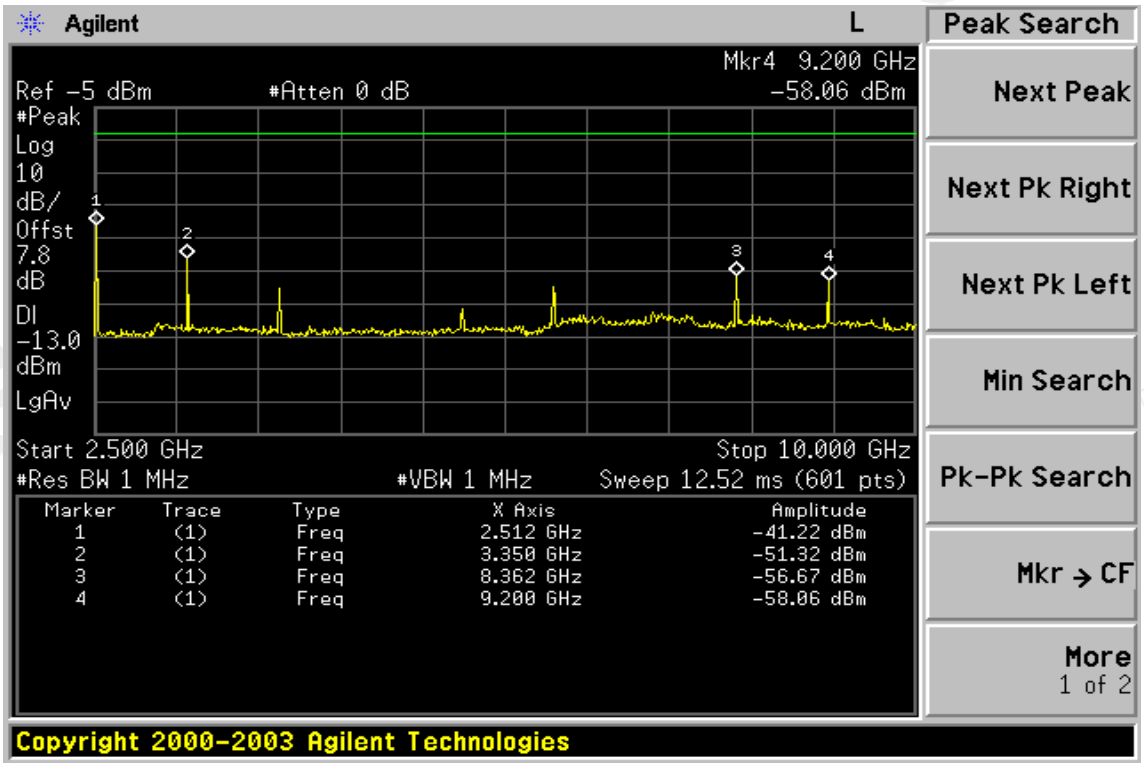
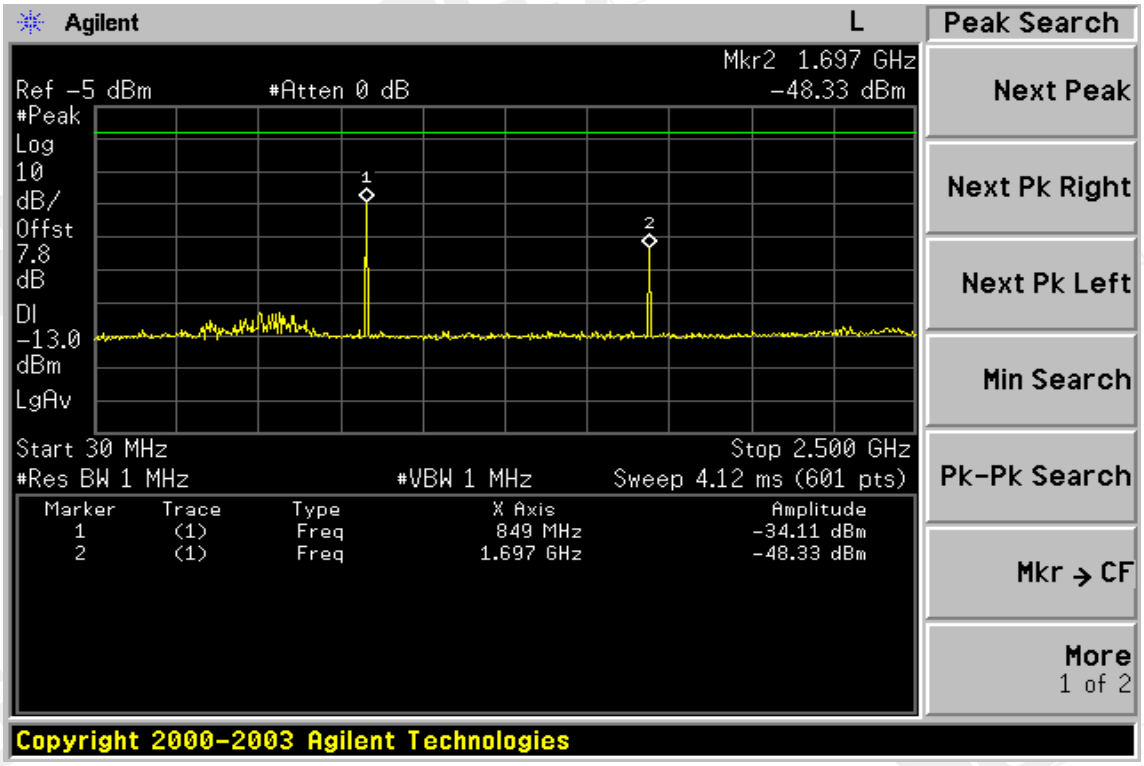


Figure 8-3: Out of Band emission at antenna terminals–GSM Channel Highest



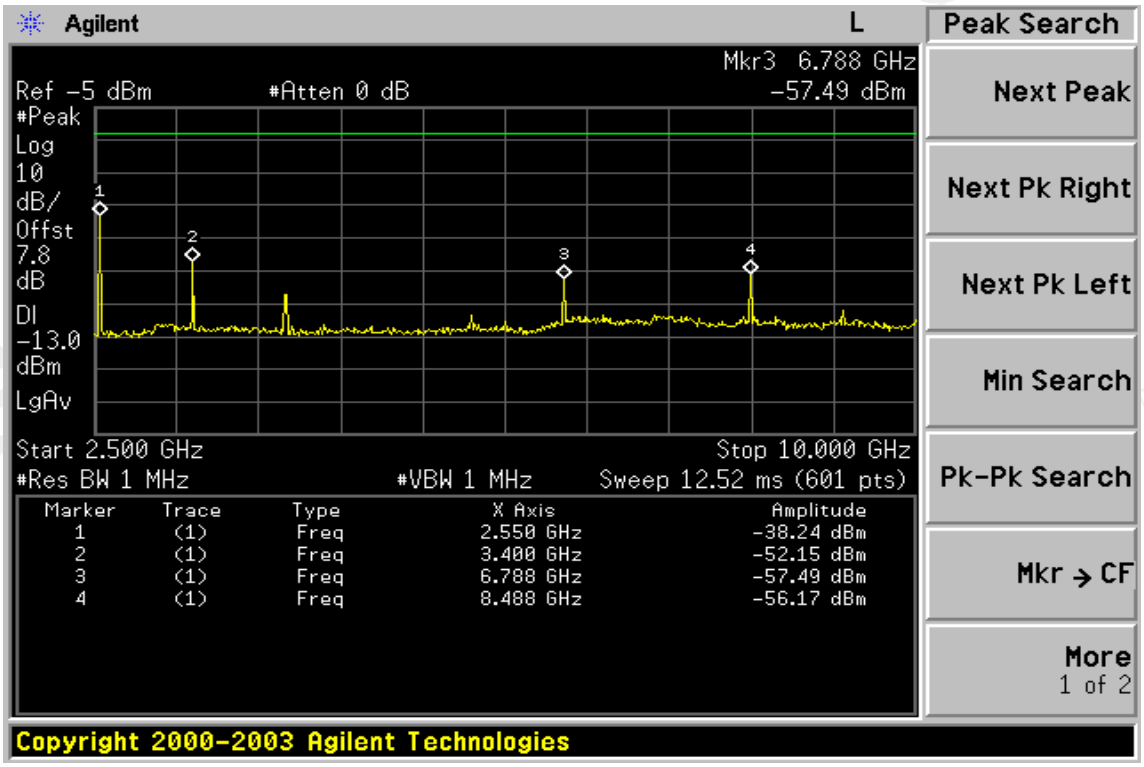


Figure 8-4: Bad edge emission at antenna terminals – GSM Channel Lowest

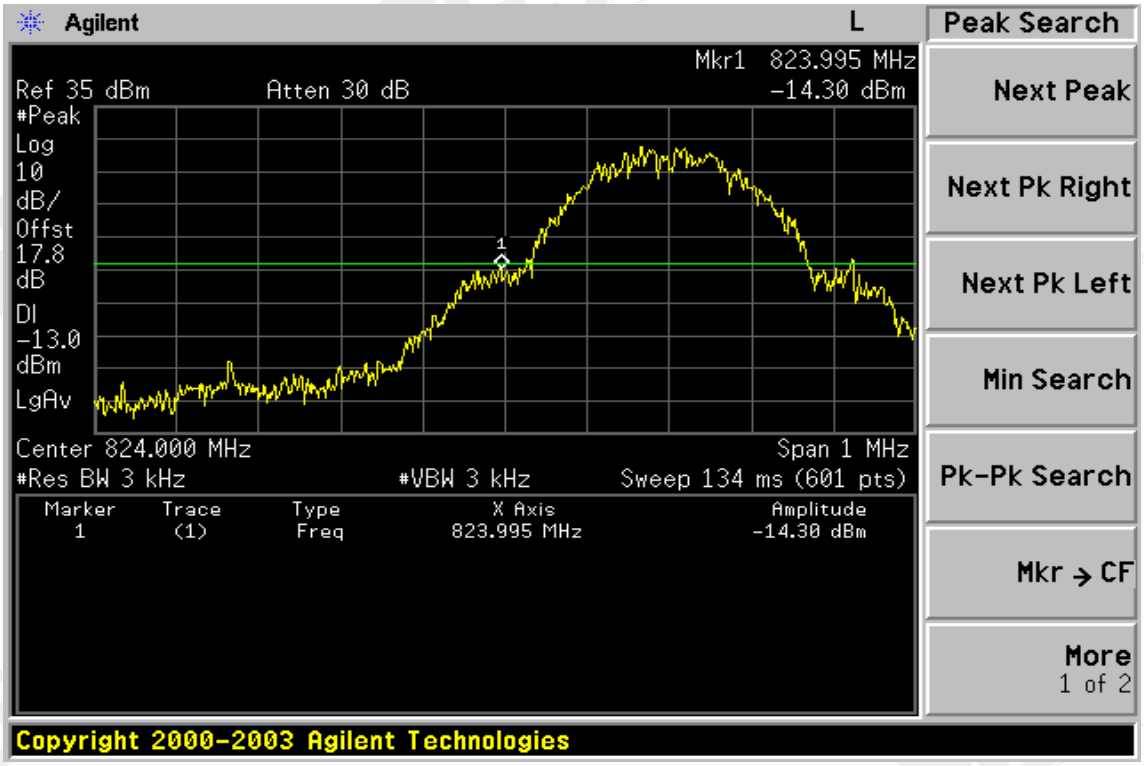


Figure 8-5: Band edge emission at antenna terminals – GSM Channel Highest

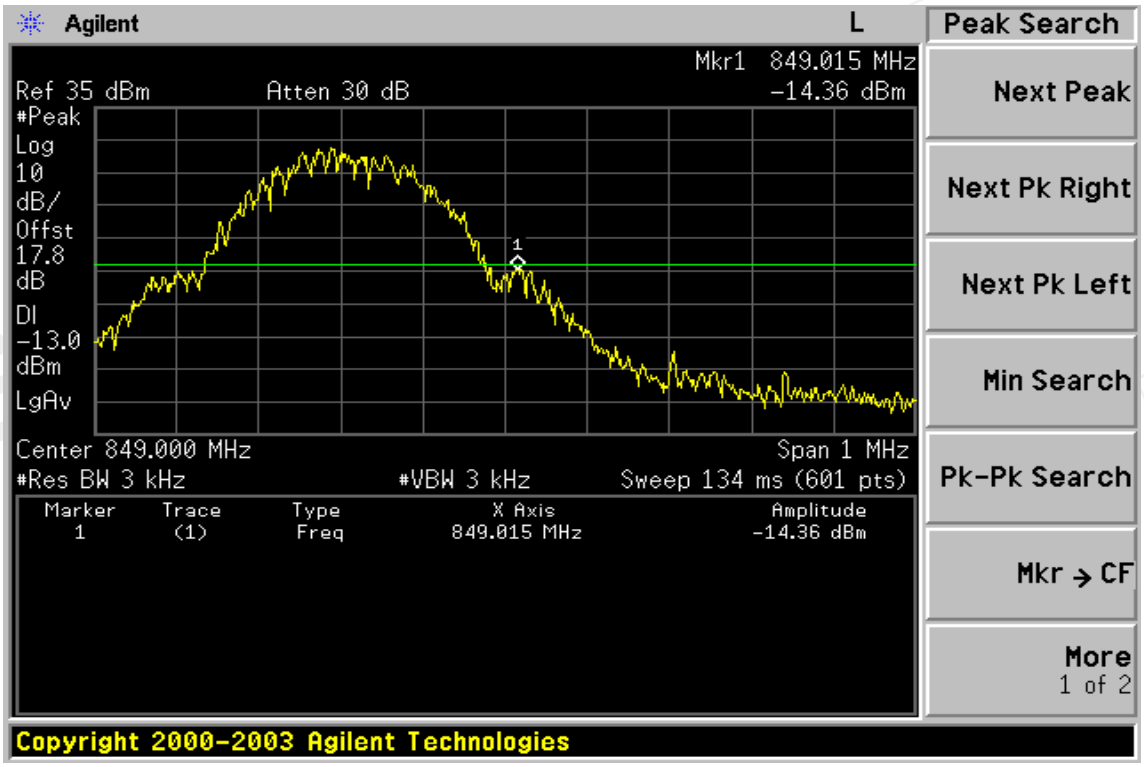
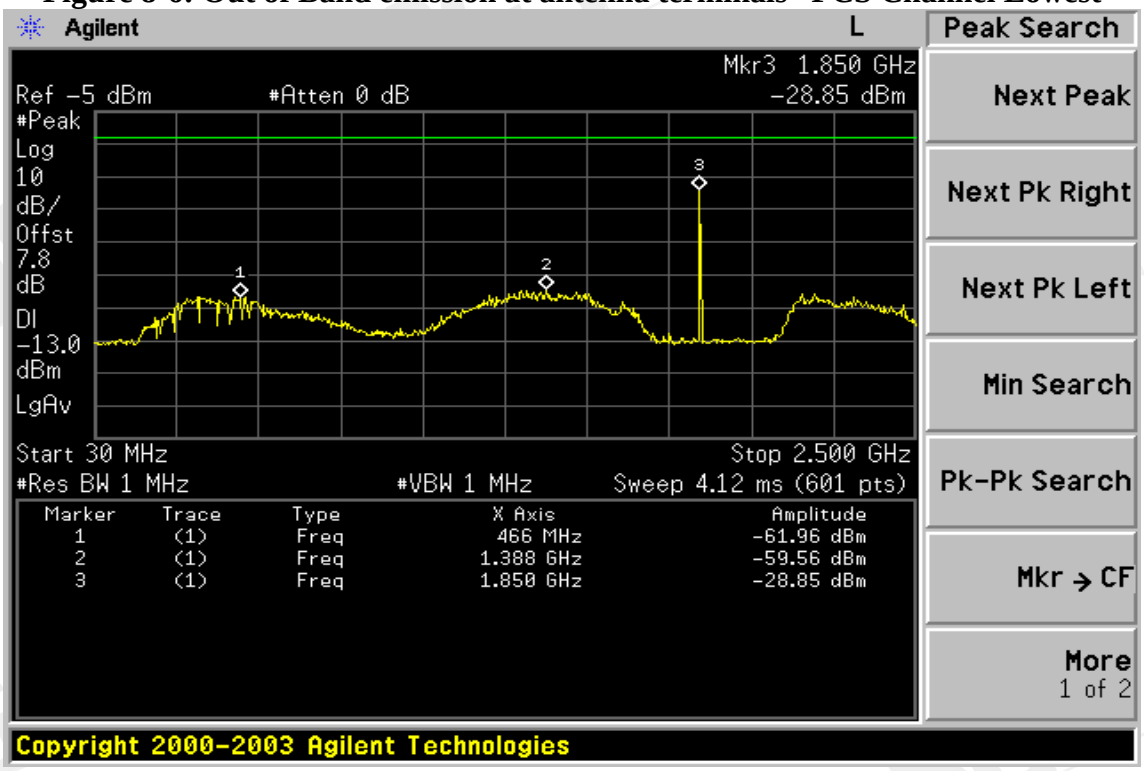


Figure 8-6: Out of Band emission at antenna terminals– PCS Channel Lowest



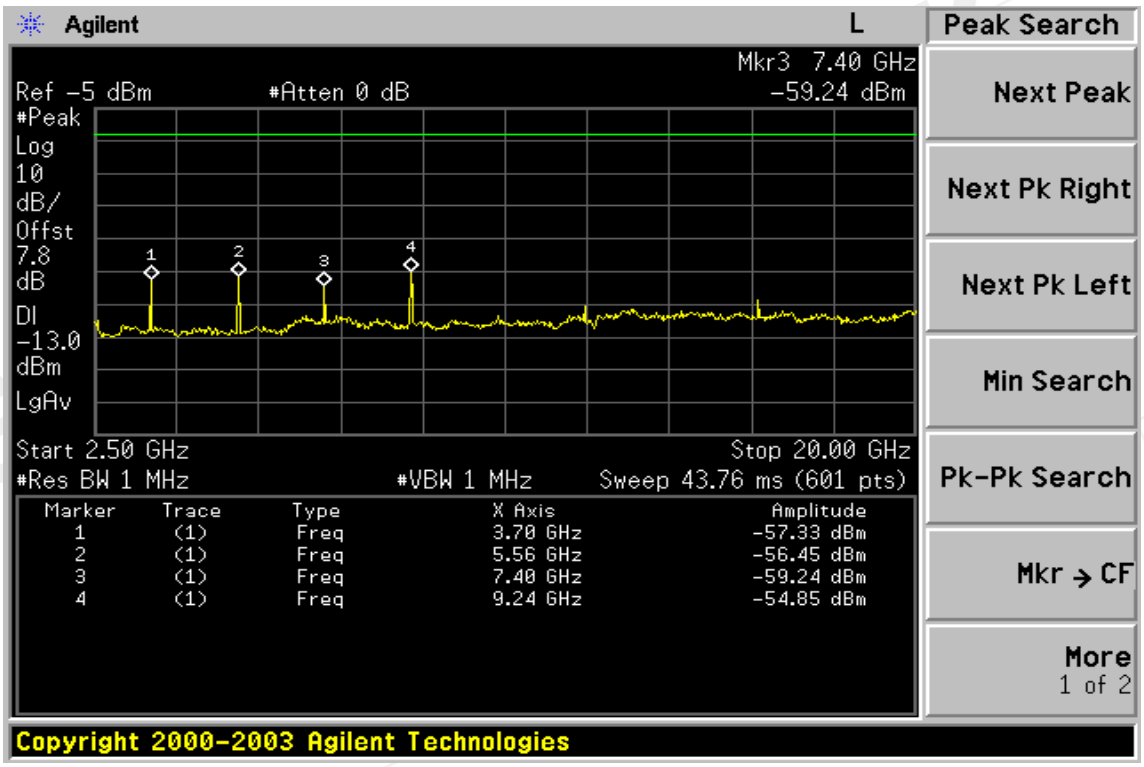
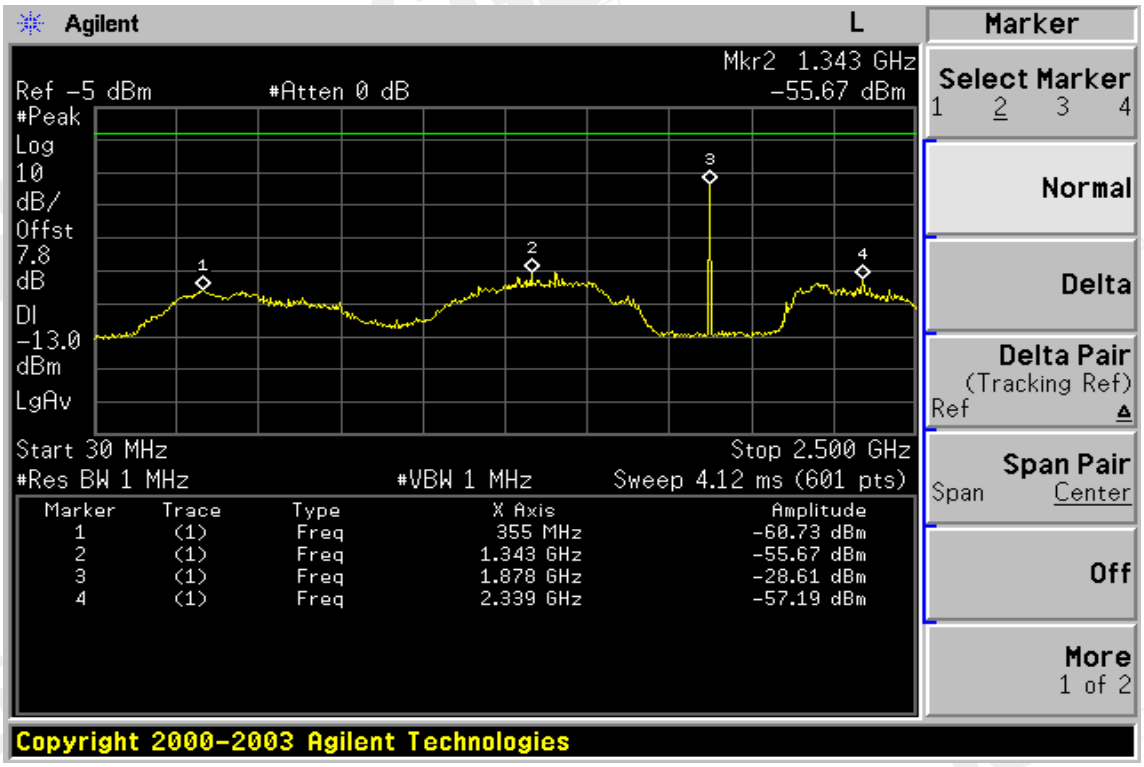


Figure 8-7: Out of Band emission at antenna terminals –PCS Channel Mid



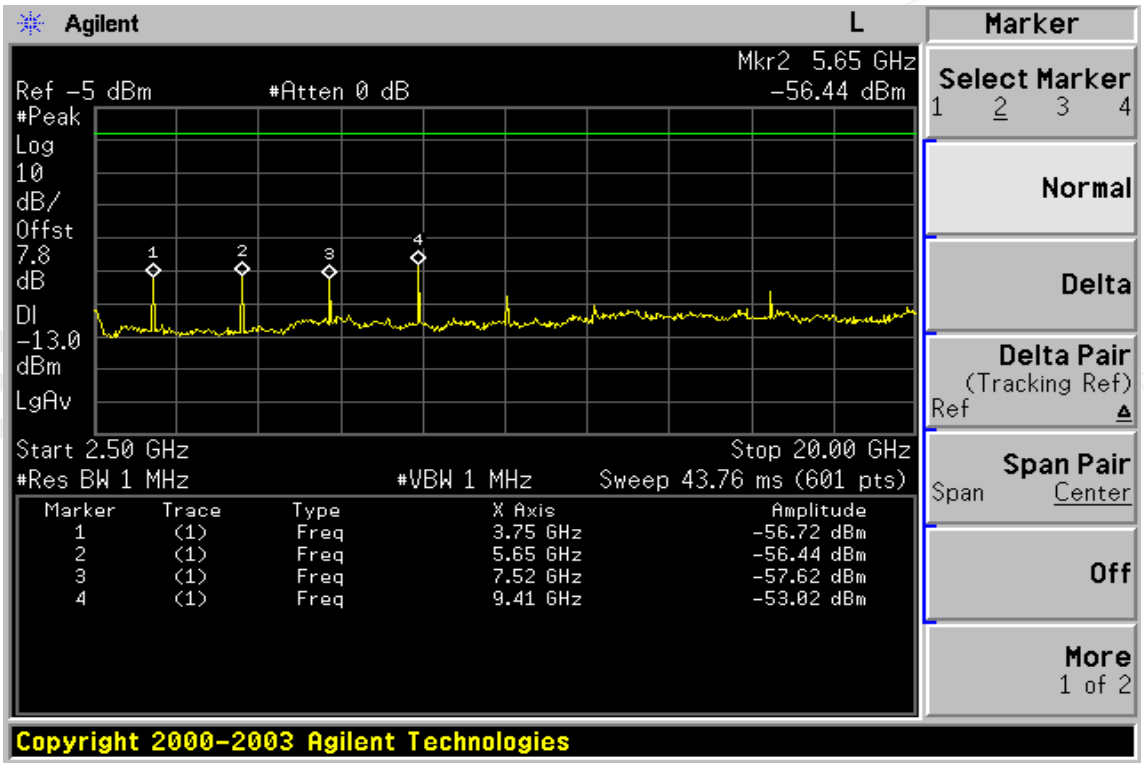
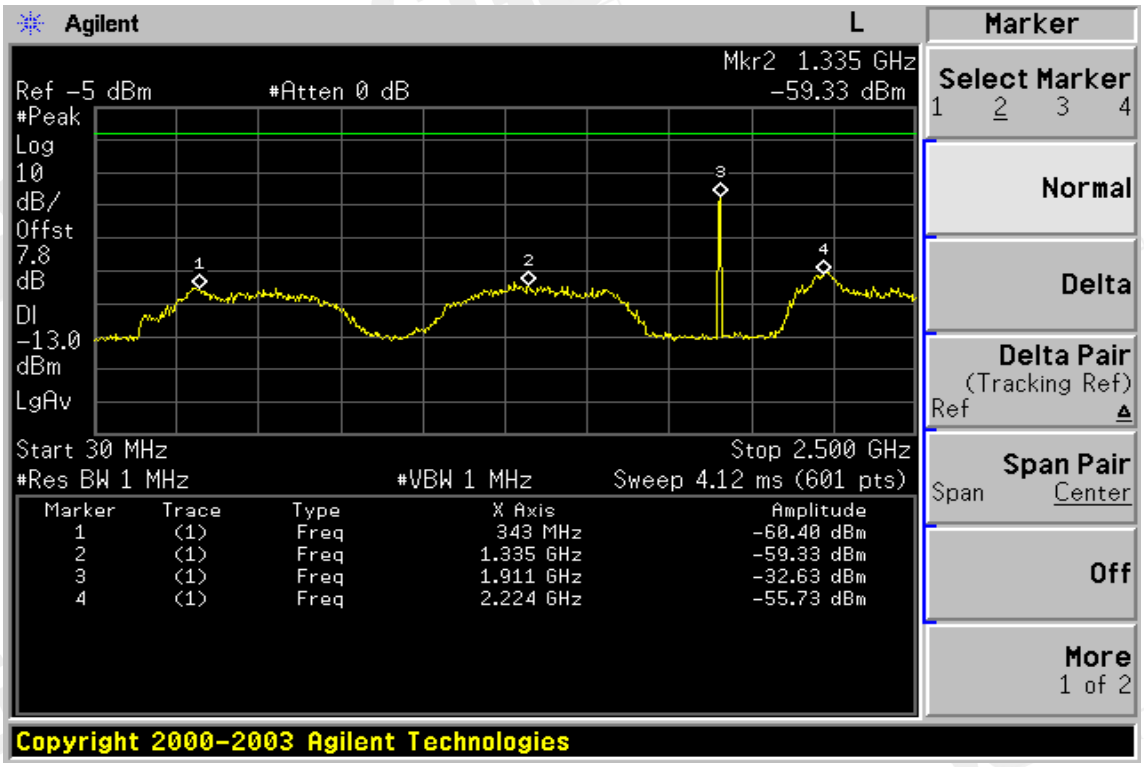


Figure 8-8: Out of Band emission at antenna terminals–PCS Channel Highest



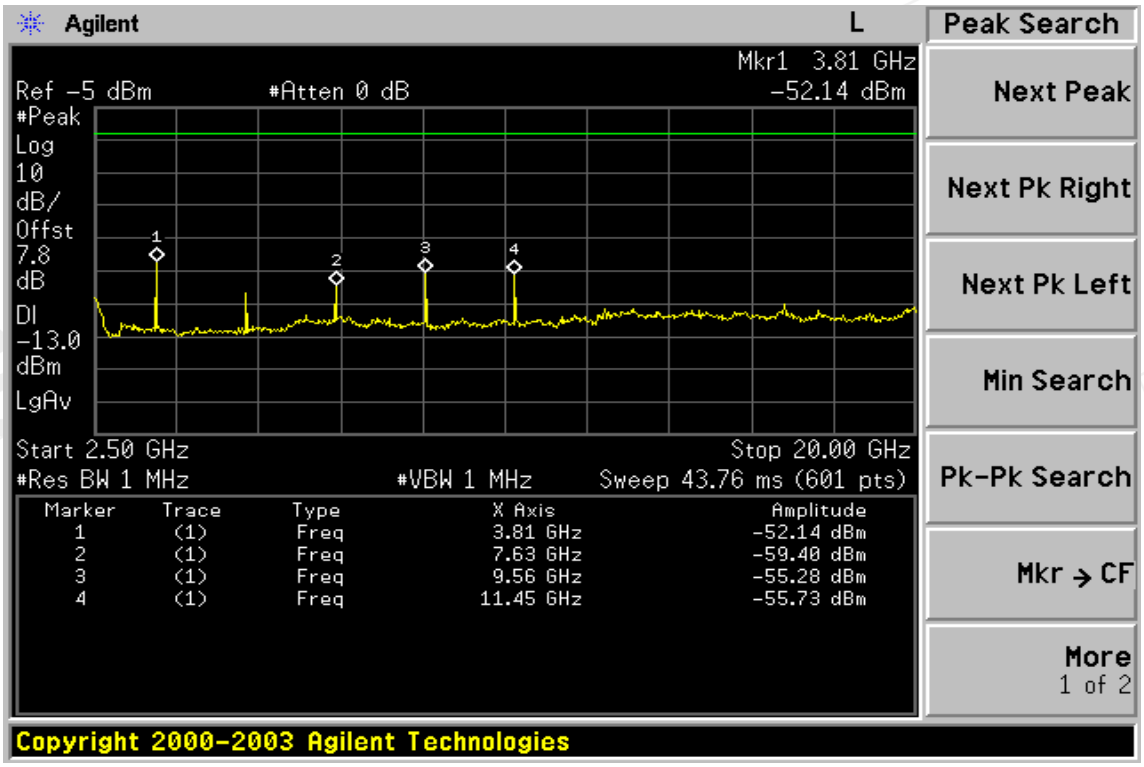


Figure 8-9: Bad edge emission at antenna terminals – PCS Channel Lowest

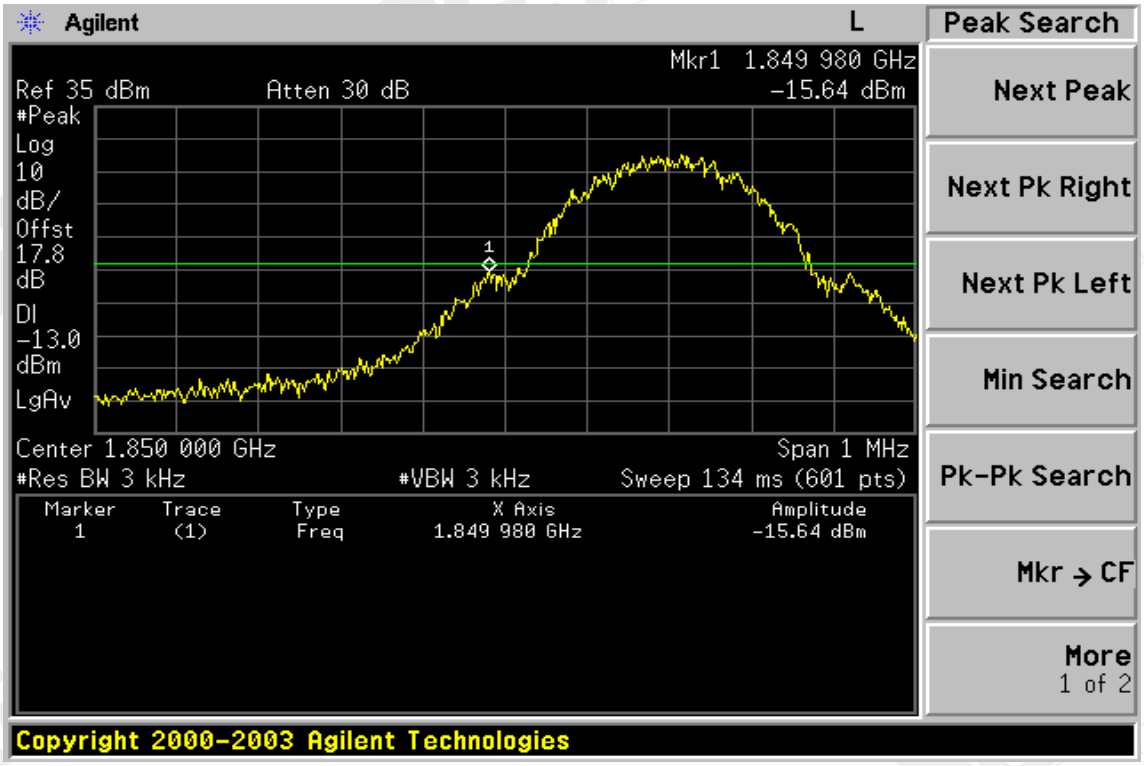


Figure 8-10: Band edge emission at antenna terminals – PCS Channel Highest

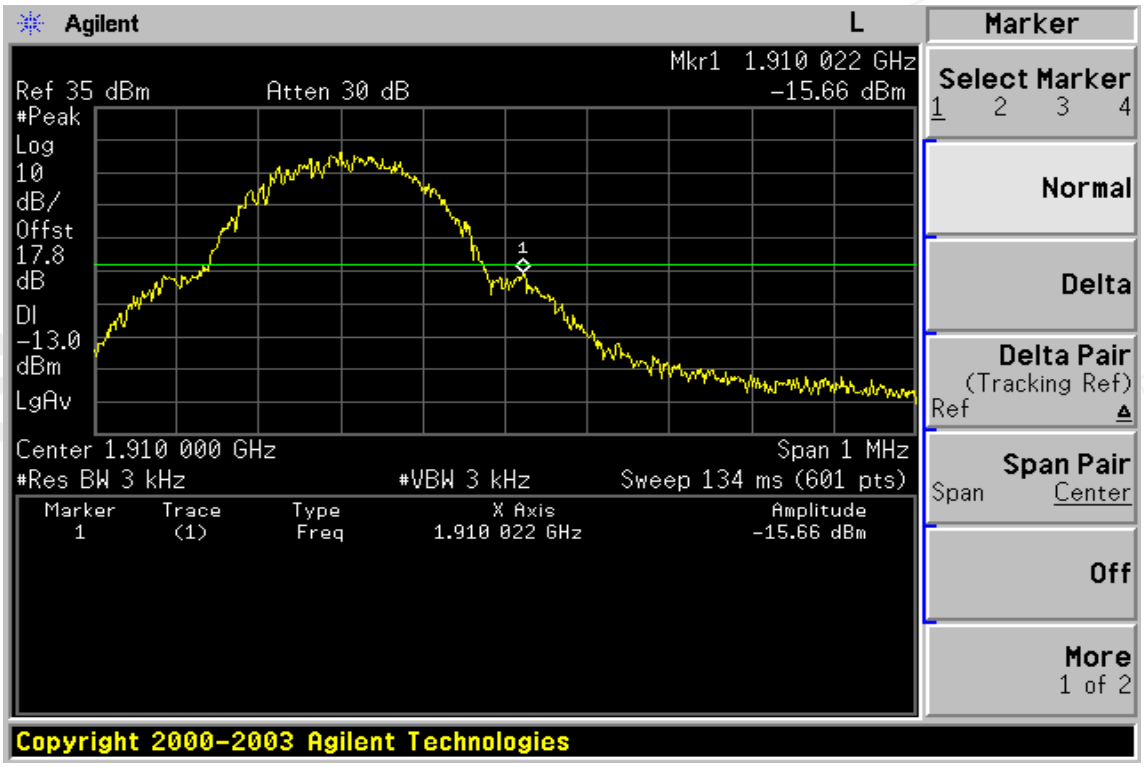
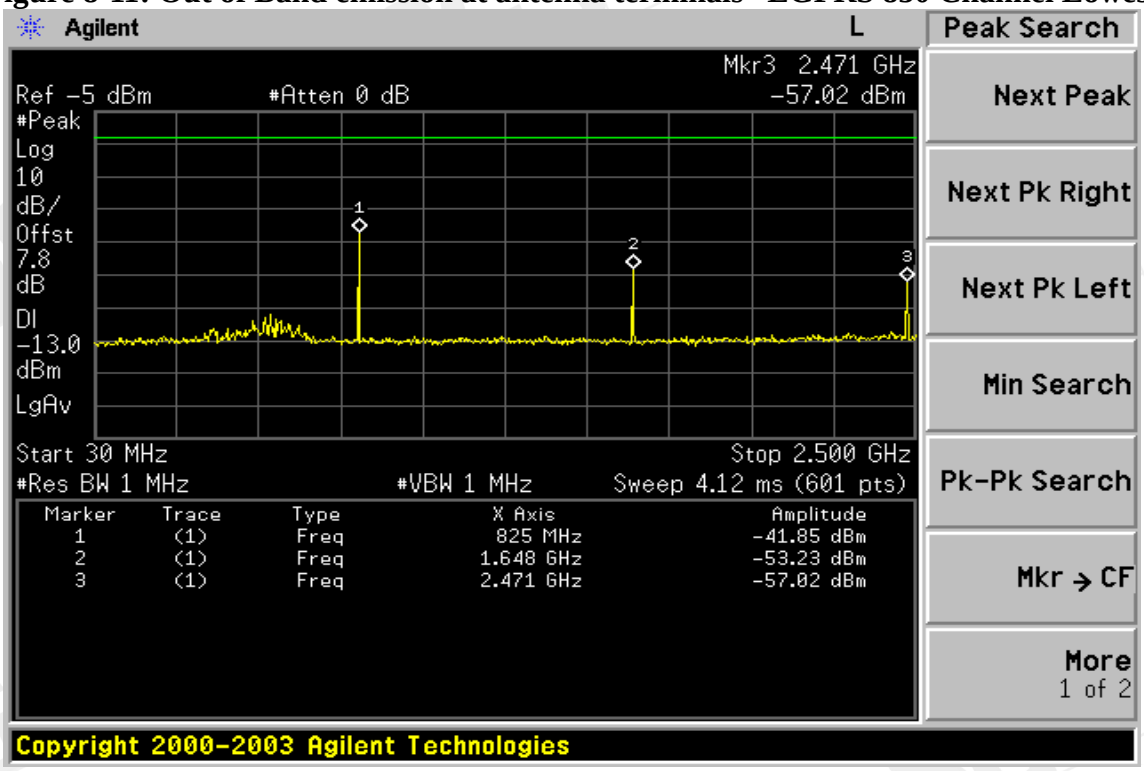


Figure 8-11: Out of Band emission at antenna terminals– EGPRS 850 Channel Lowest



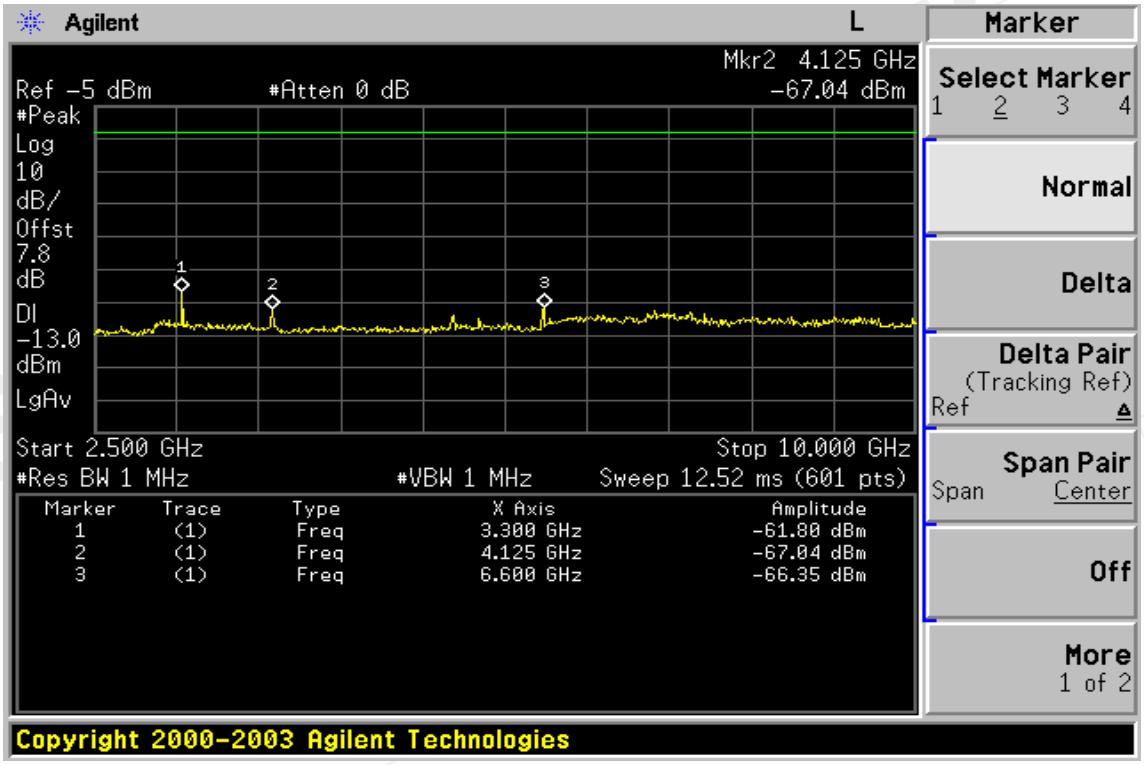
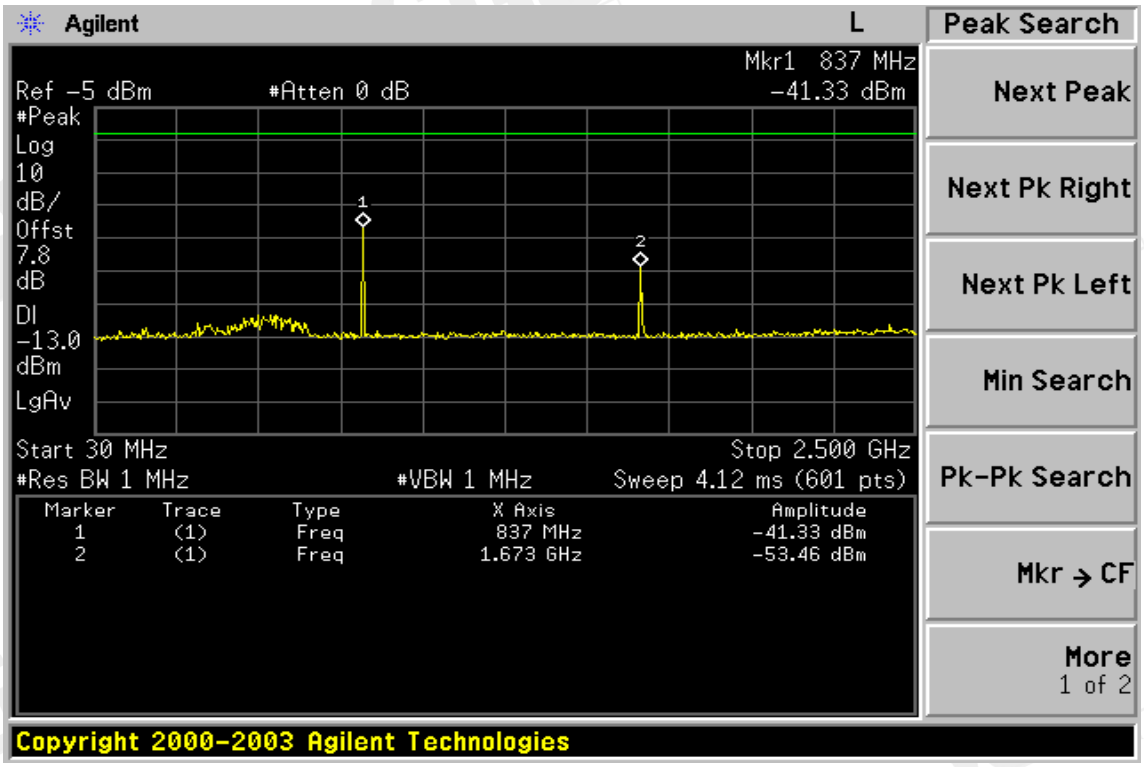


Figure 8-12: Out of Band emission at antenna terminals –EGPRS 850 Channel Mid



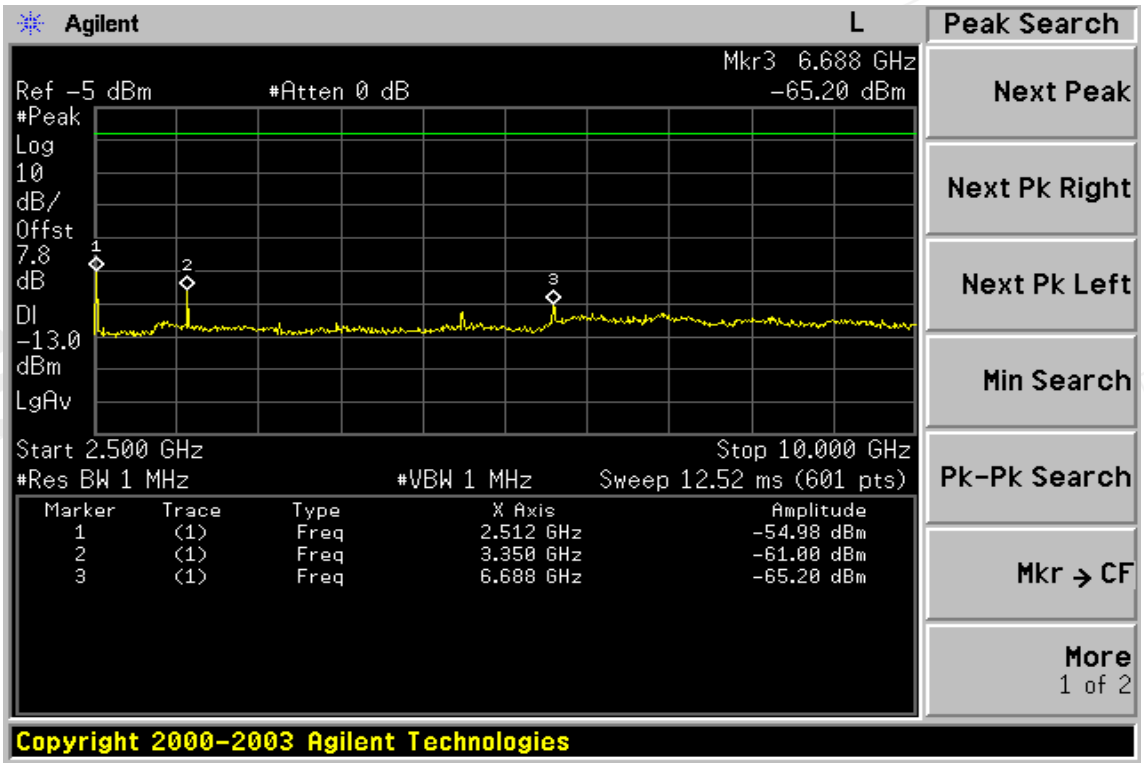
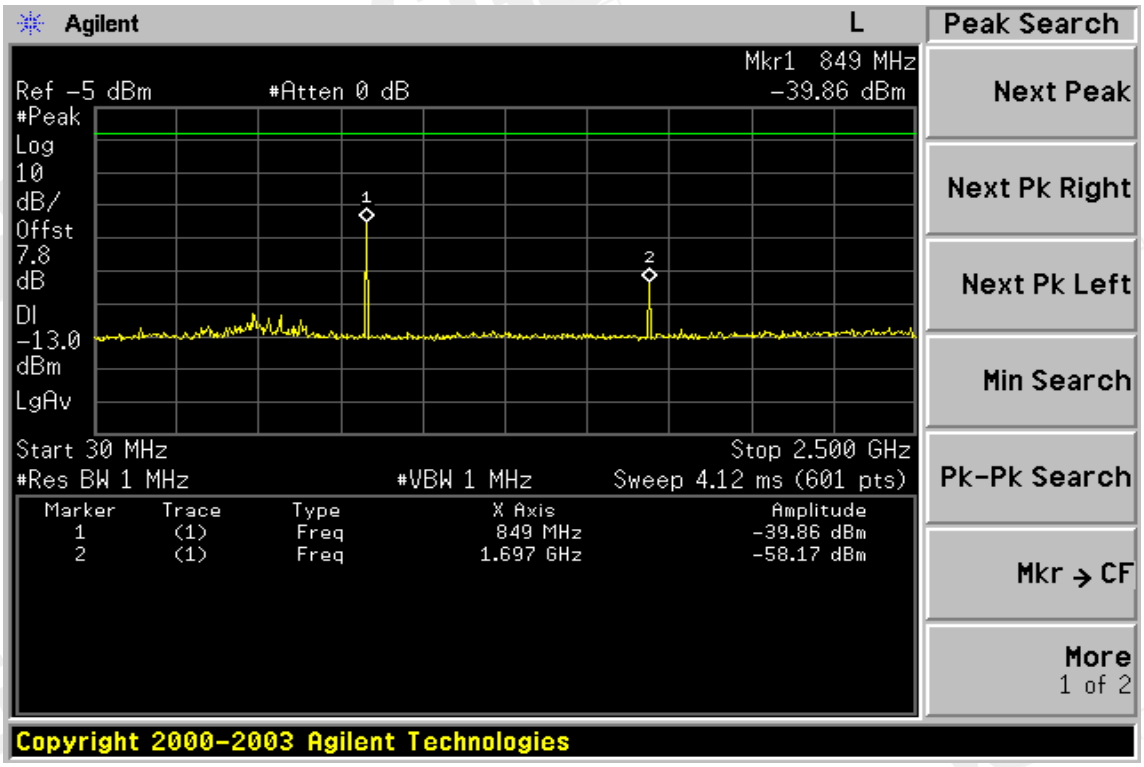


Figure 8-13: Out of Band emission at antenna terminals–EGPRS 850 Channel Highest



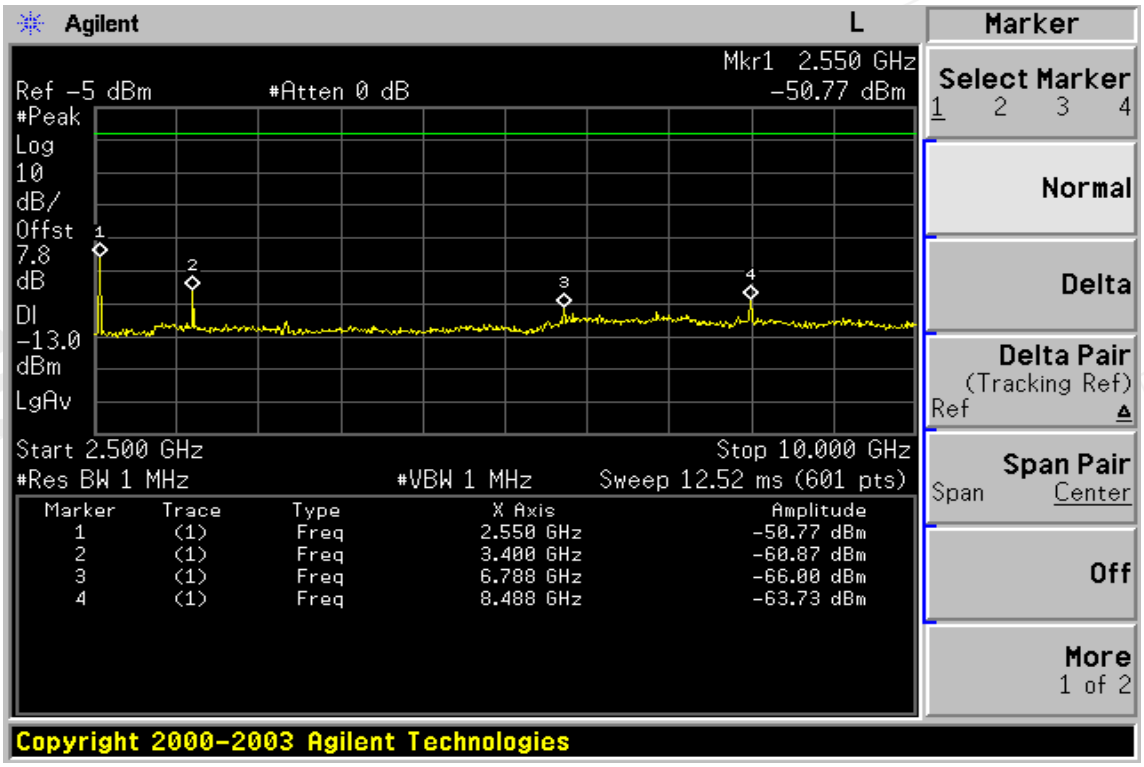


Figure 8-14: Bad edge emission at antenna terminals –EGPRS 850 Channel Lowest

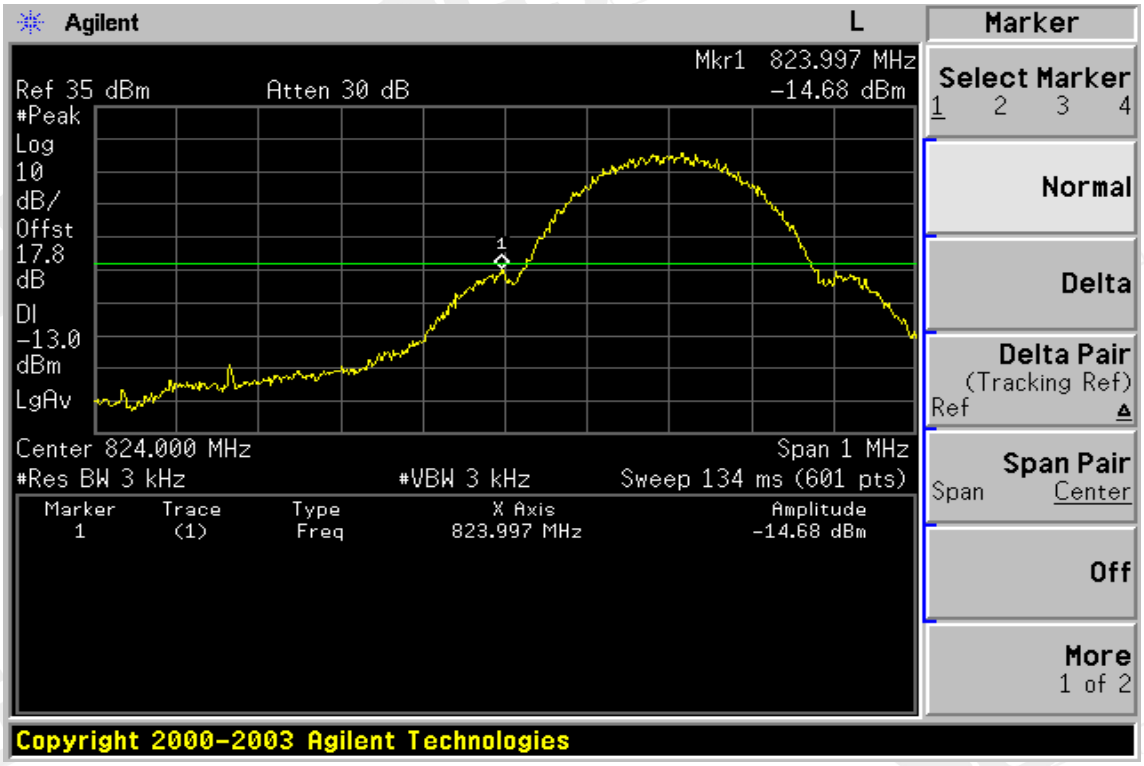


Figure 8-15: Band edge emission at antenna terminals –EGPRS 850 Channel Highest

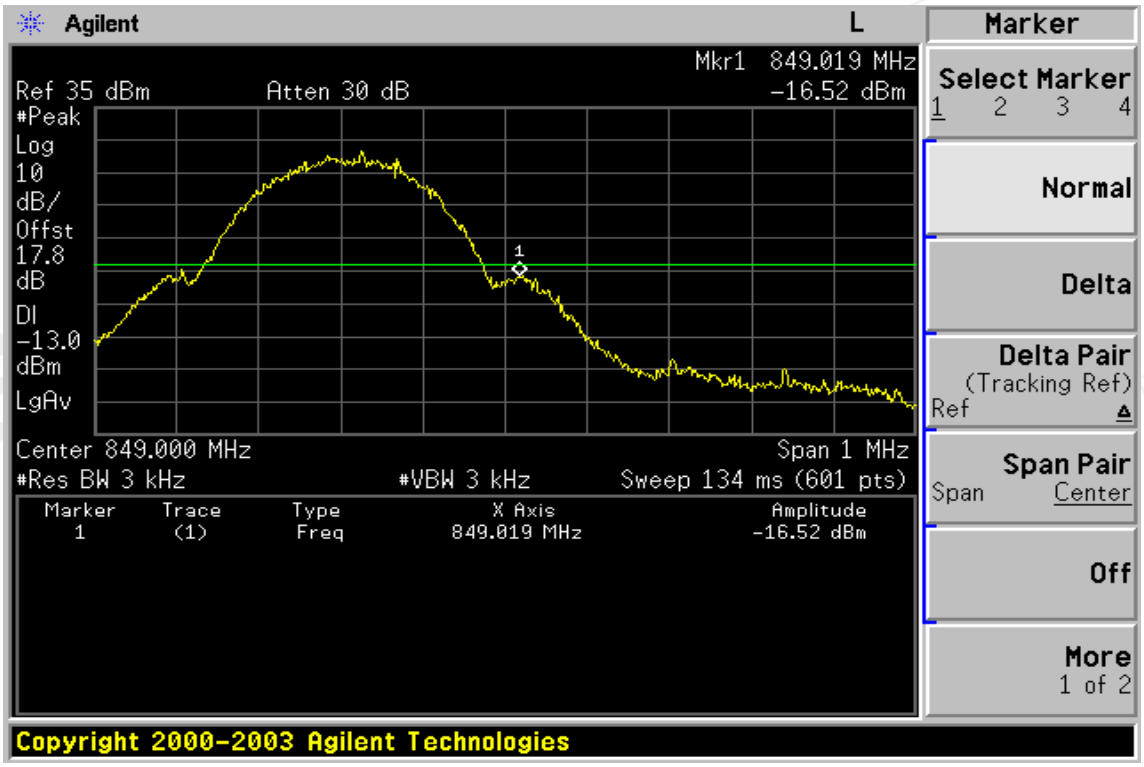
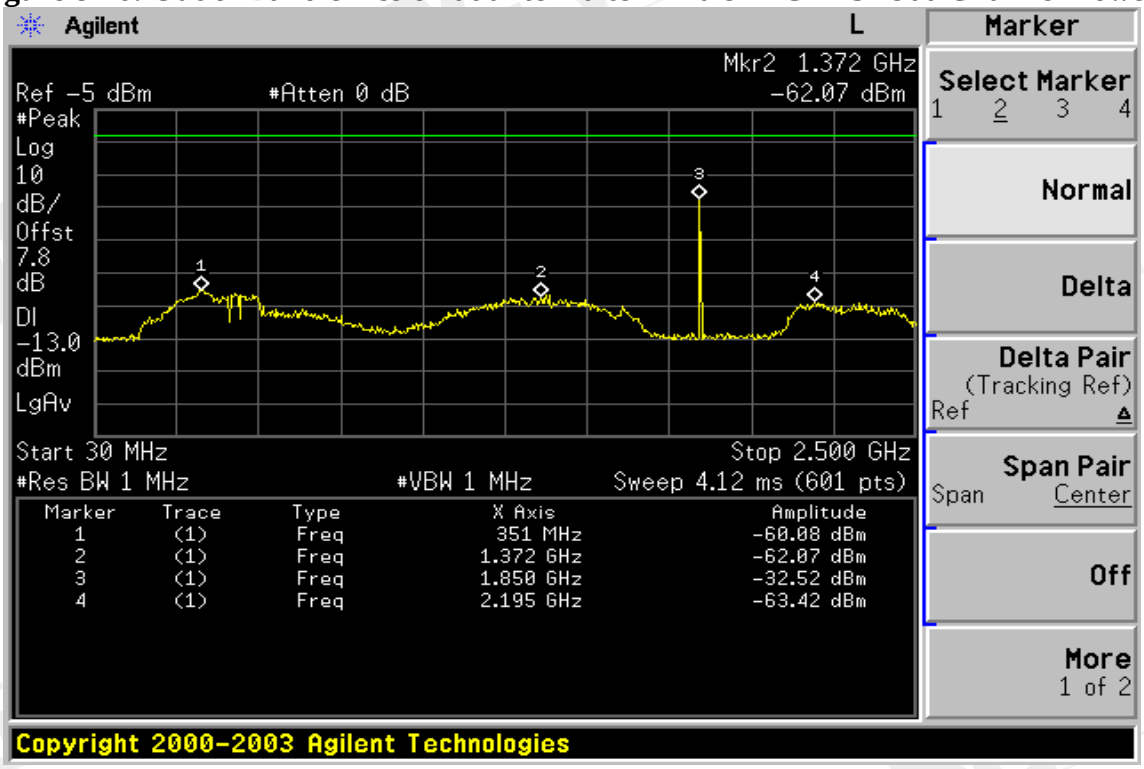


Figure 8-16: Out of Band emission at antenna terminals– EGPRS 1900 Channel Lowest



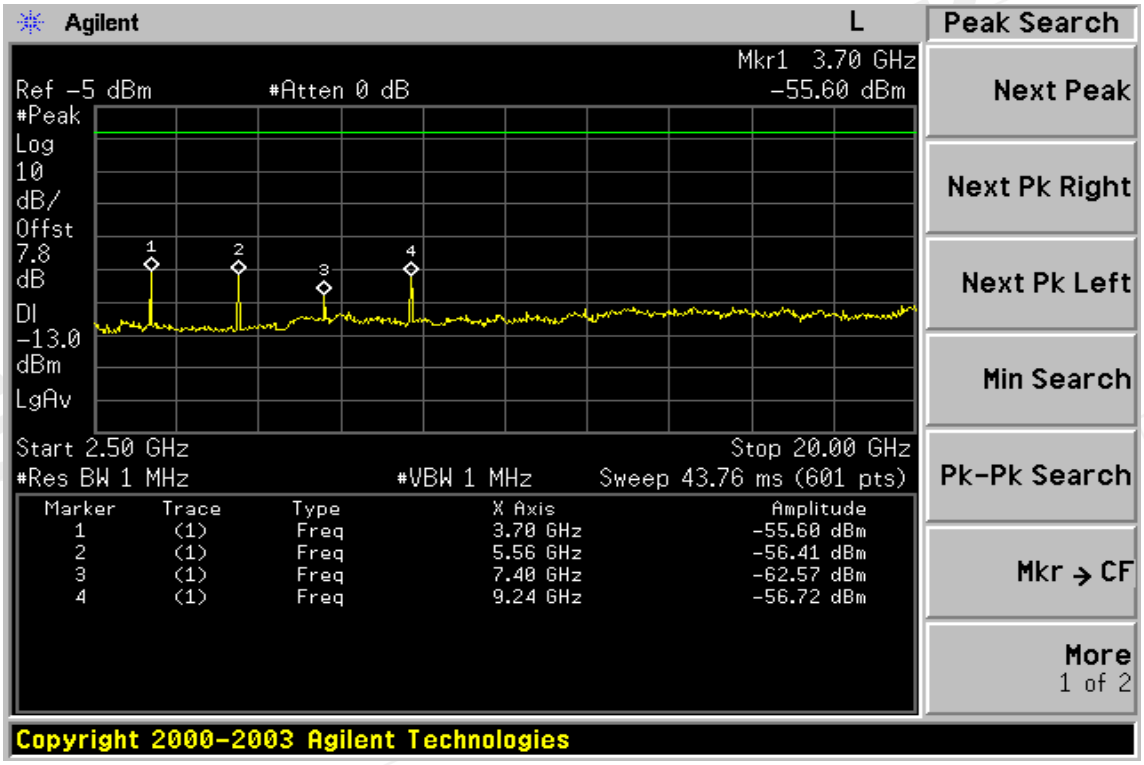
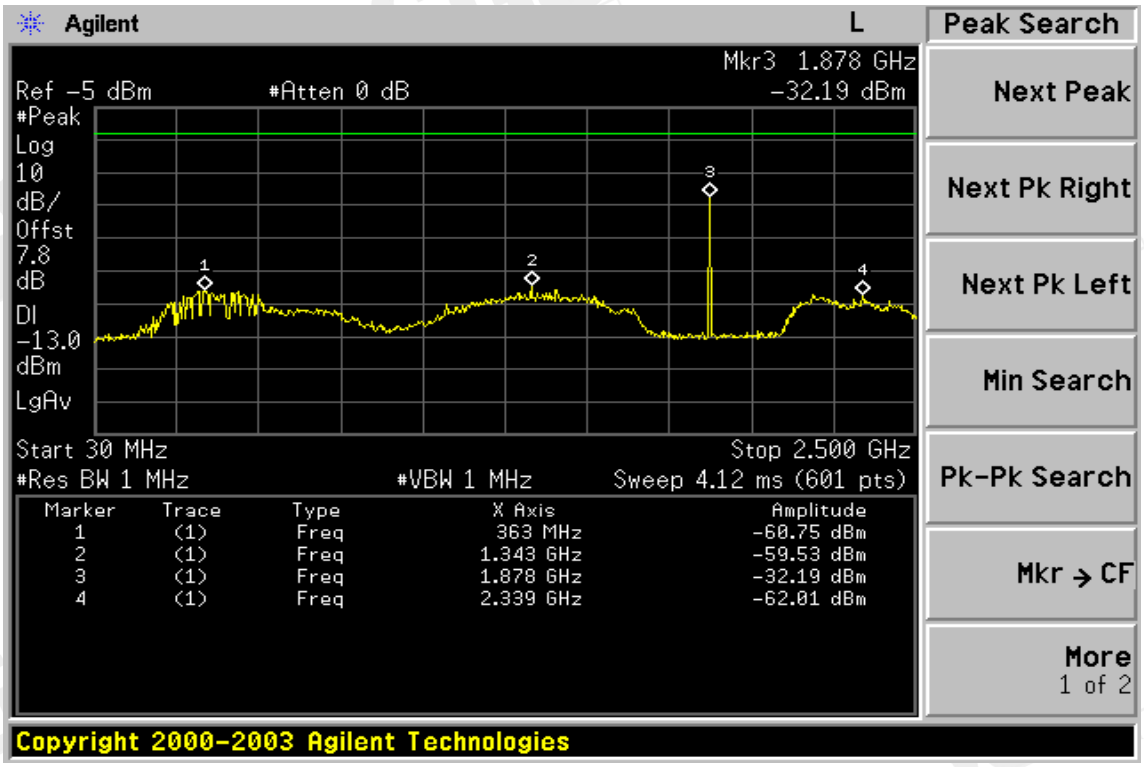


Figure 8-17: Out of Band emission at antenna terminals –EGPRS 1900 Channel Mid



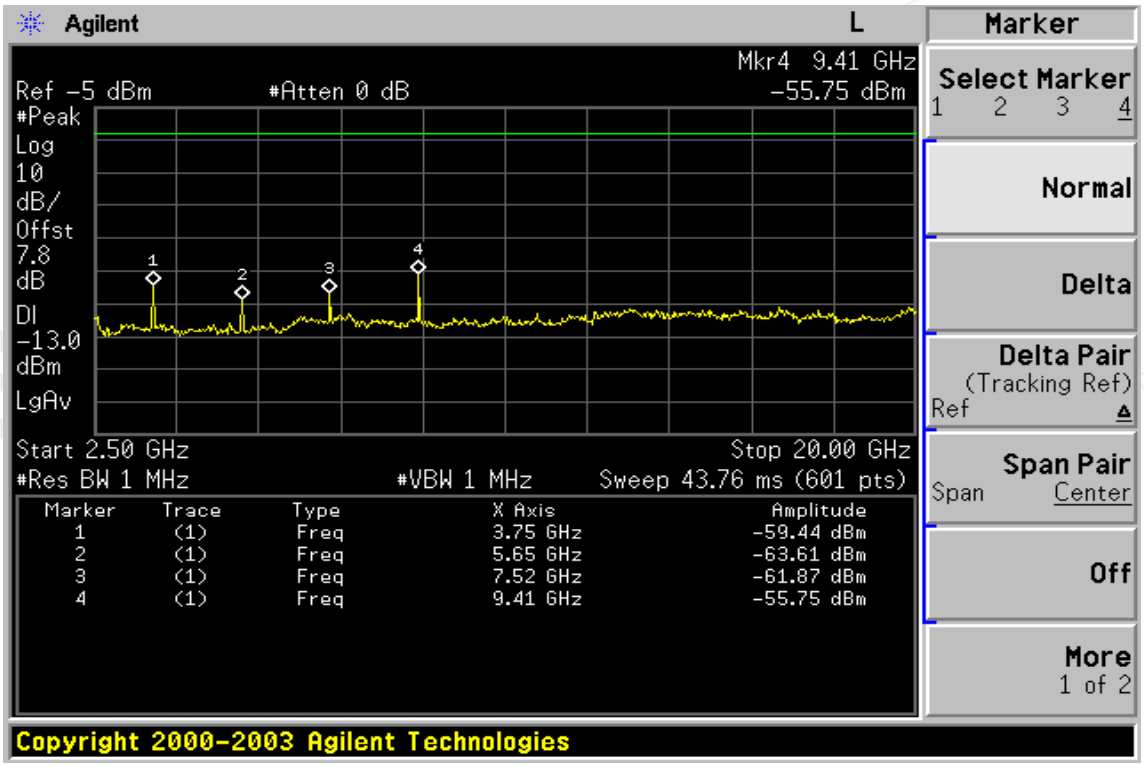
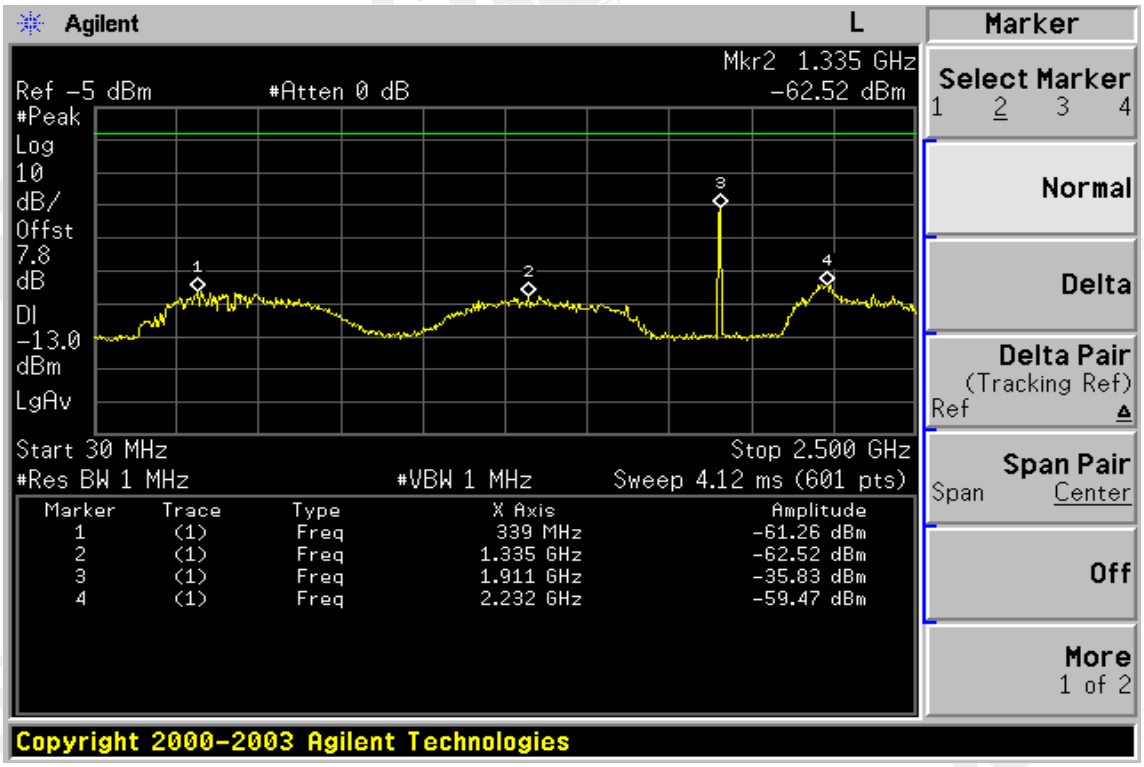


Figure 8-18: Out of Band emission at antenna terminals–EGPRS 1900 Channel Highest



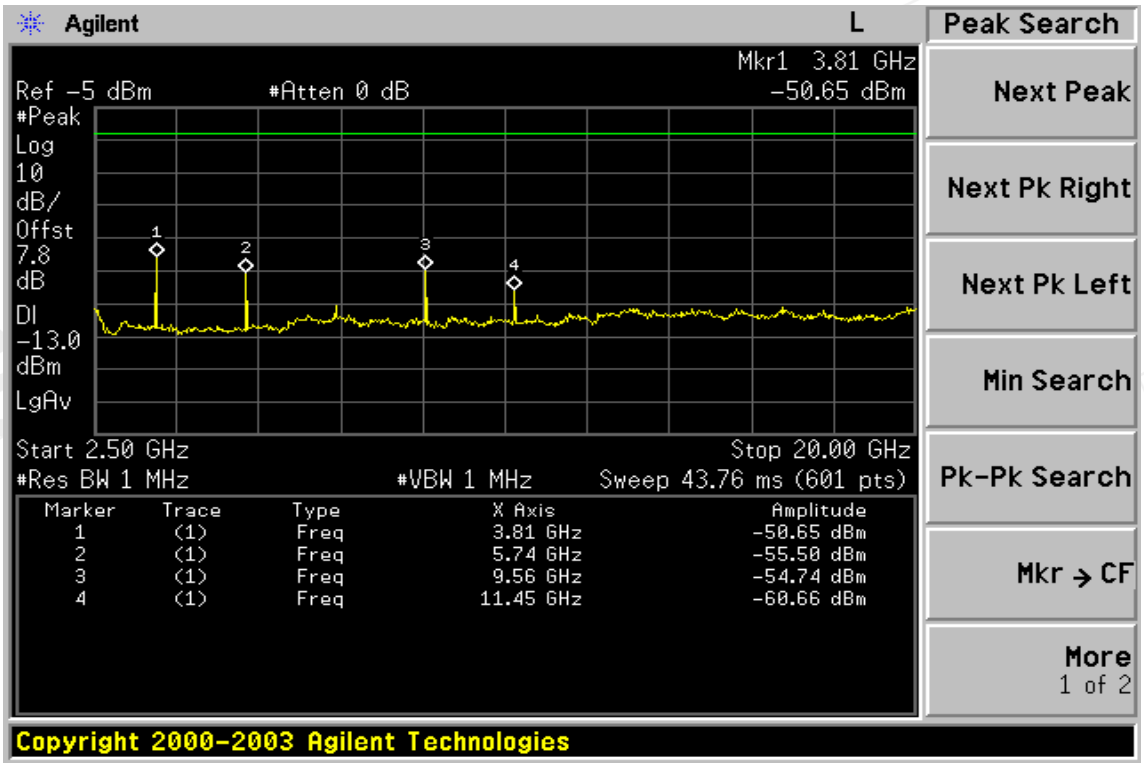


Figure 8-19: Bad edge emission at antenna terminals –EGPRS 1900 Channel Lowest

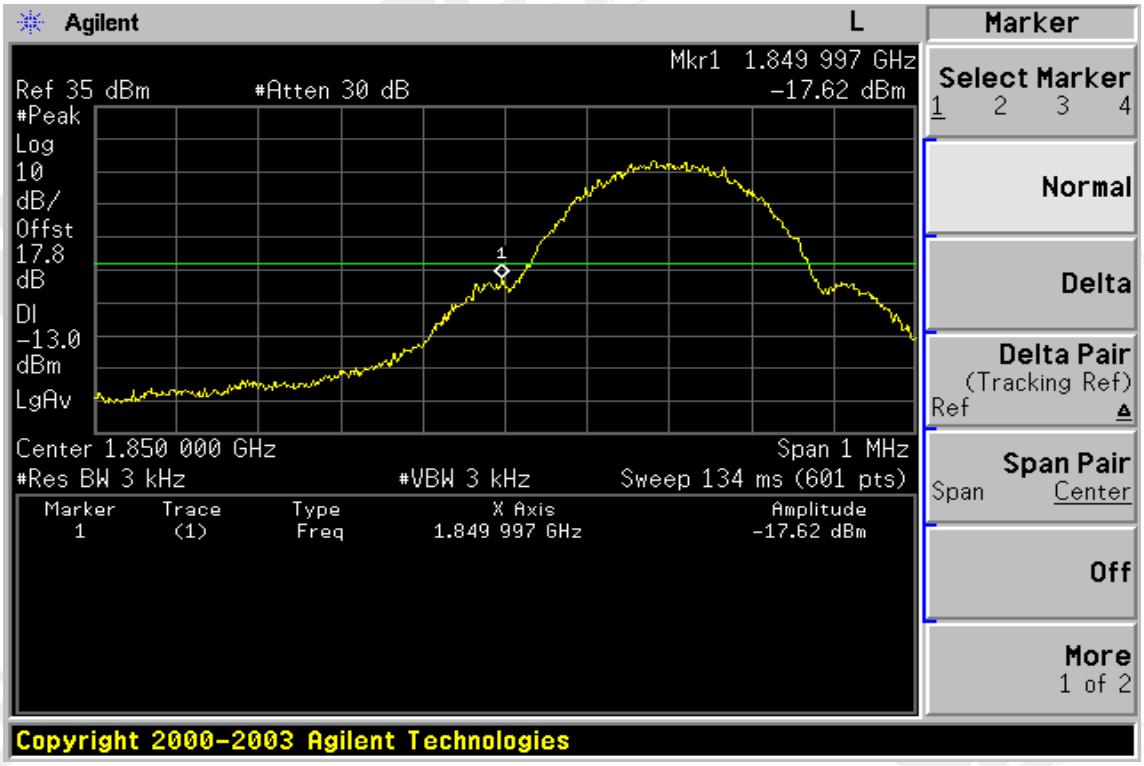


Figure 8-20: Band edge emission at antenna terminals –EGPRS 1900 Channel Highest

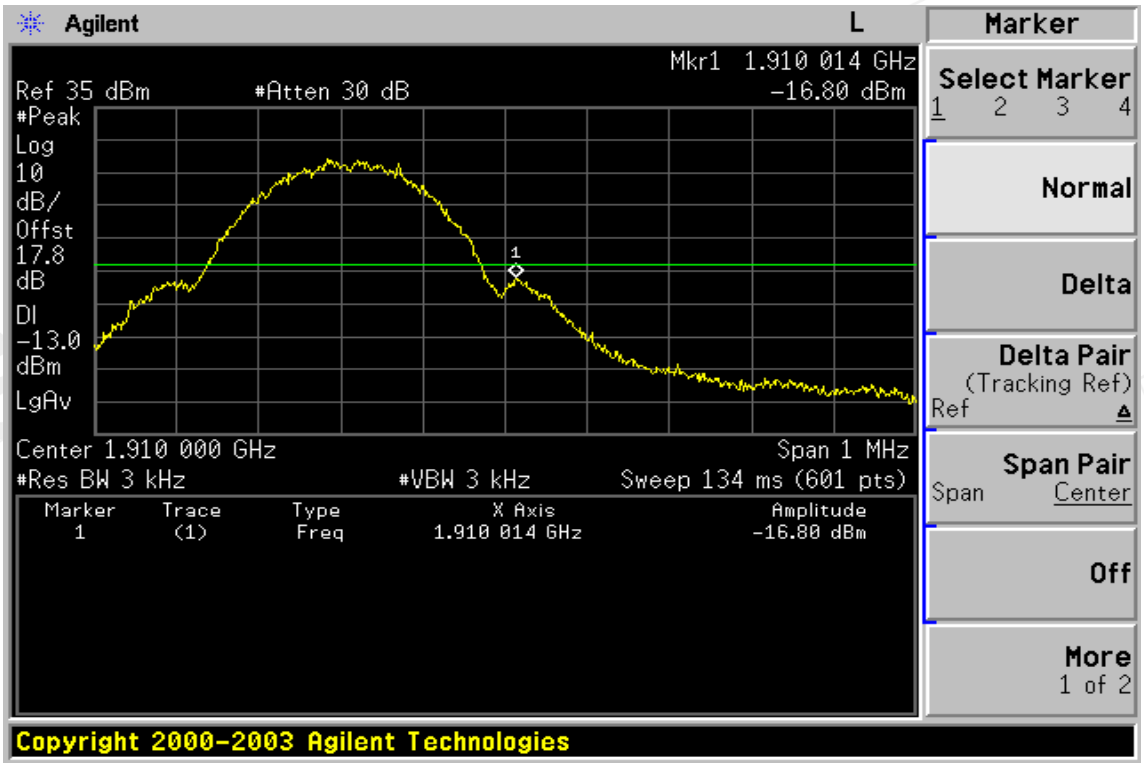
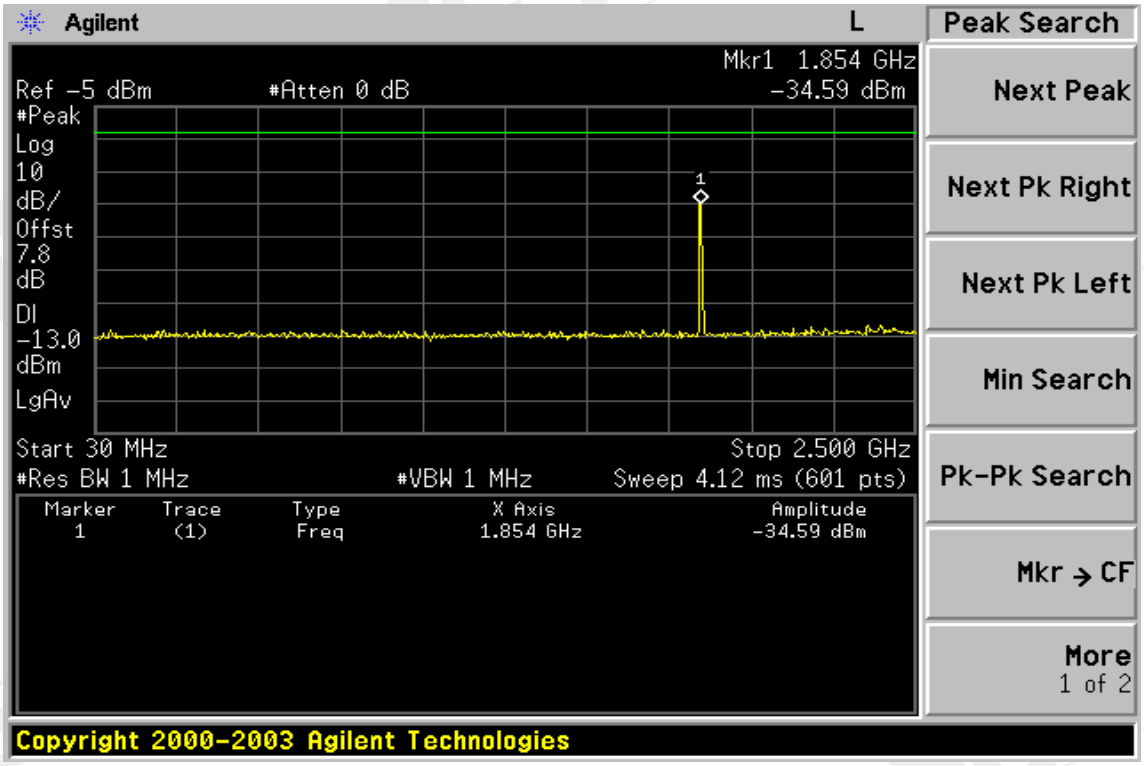


Figure 8-10: Out of Band emission at antenna terminals– WCDMA Band II Channel Lowest



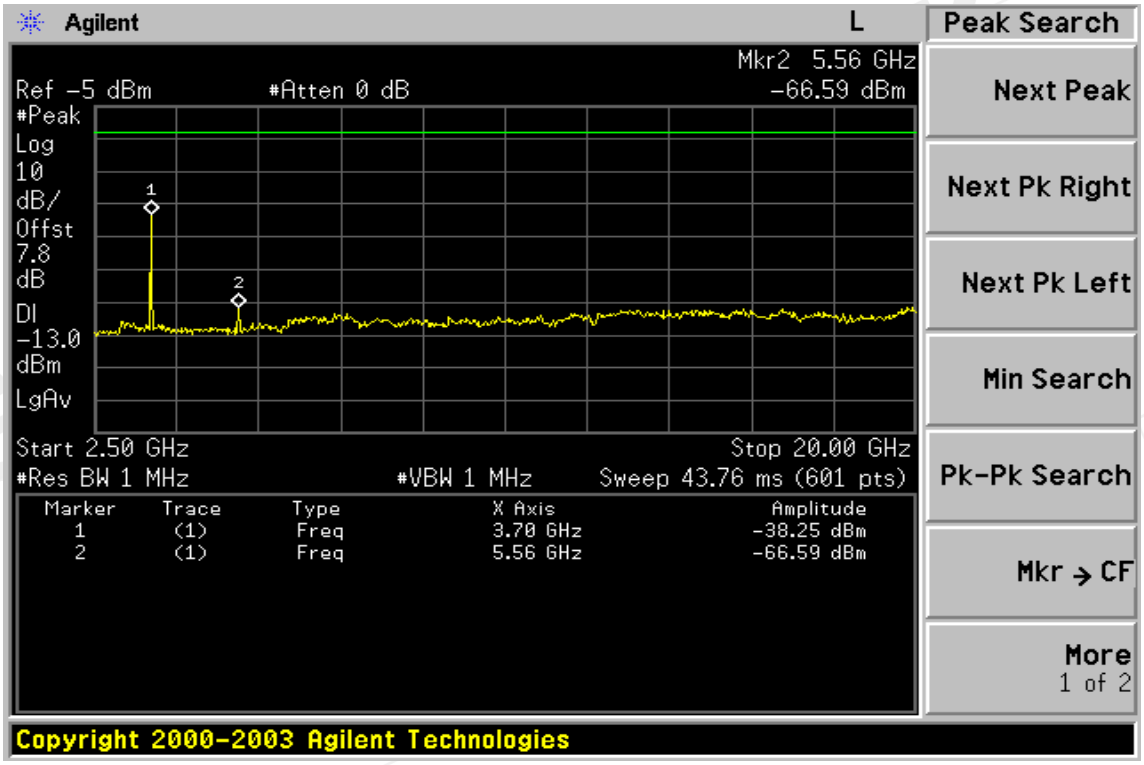
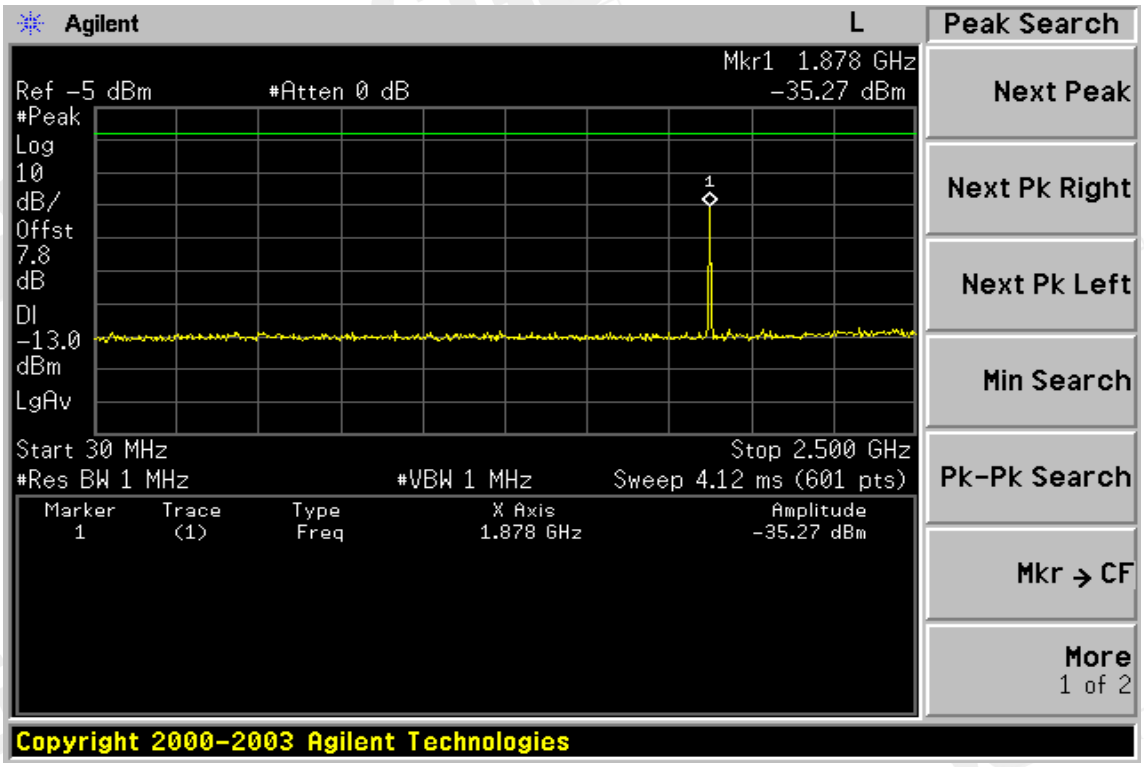


Figure 8-11: Out of Band emission at antenna terminals –WCDMA Band II Channel Mid



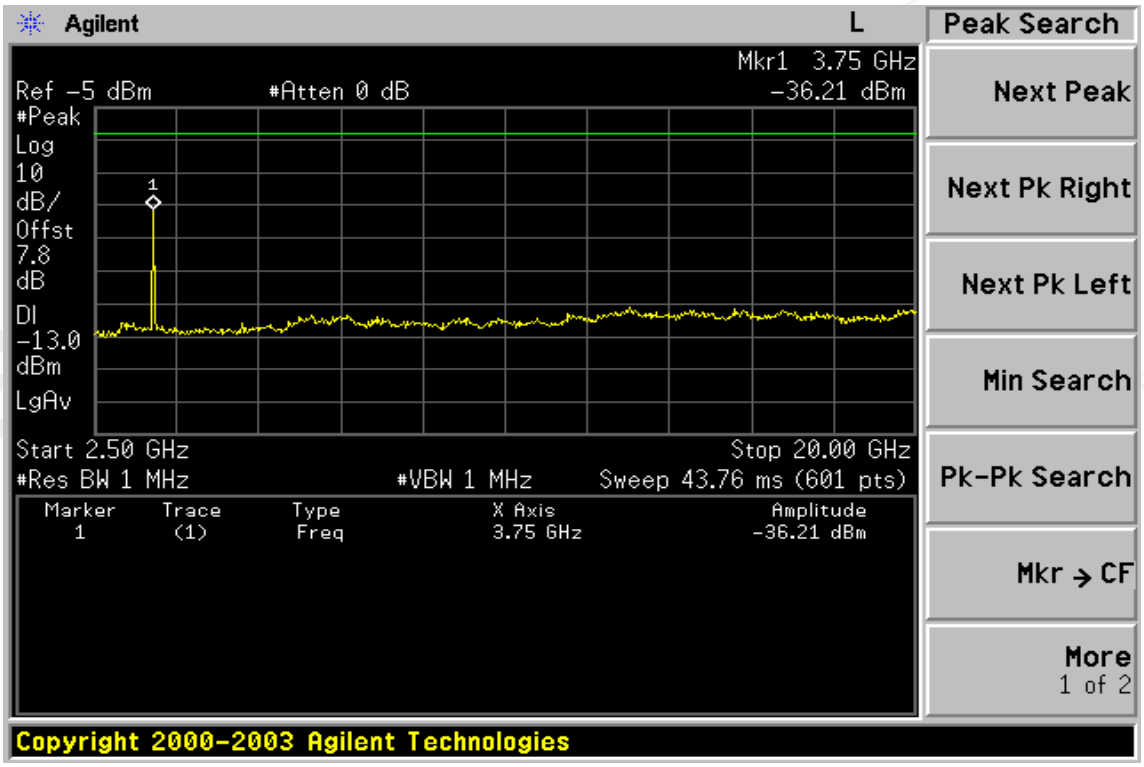
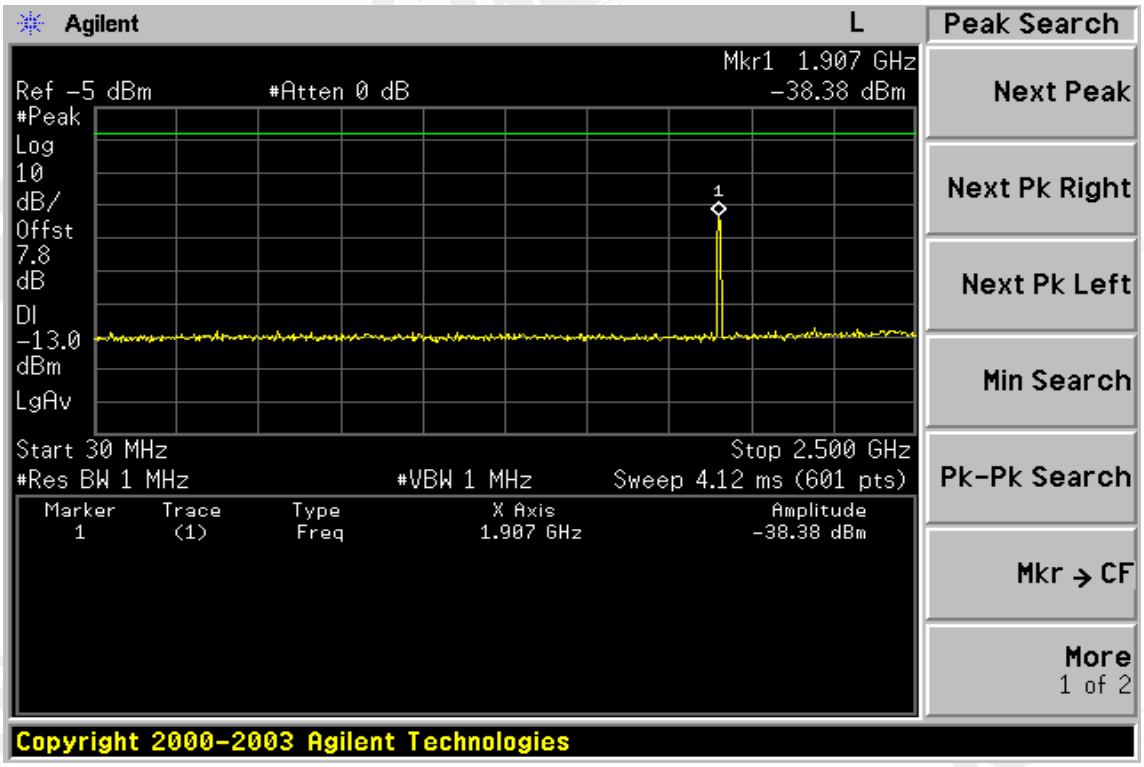


Figure 8-12: Out of Band emission at antenna terminals–WCDMA BAND II Channel Highest



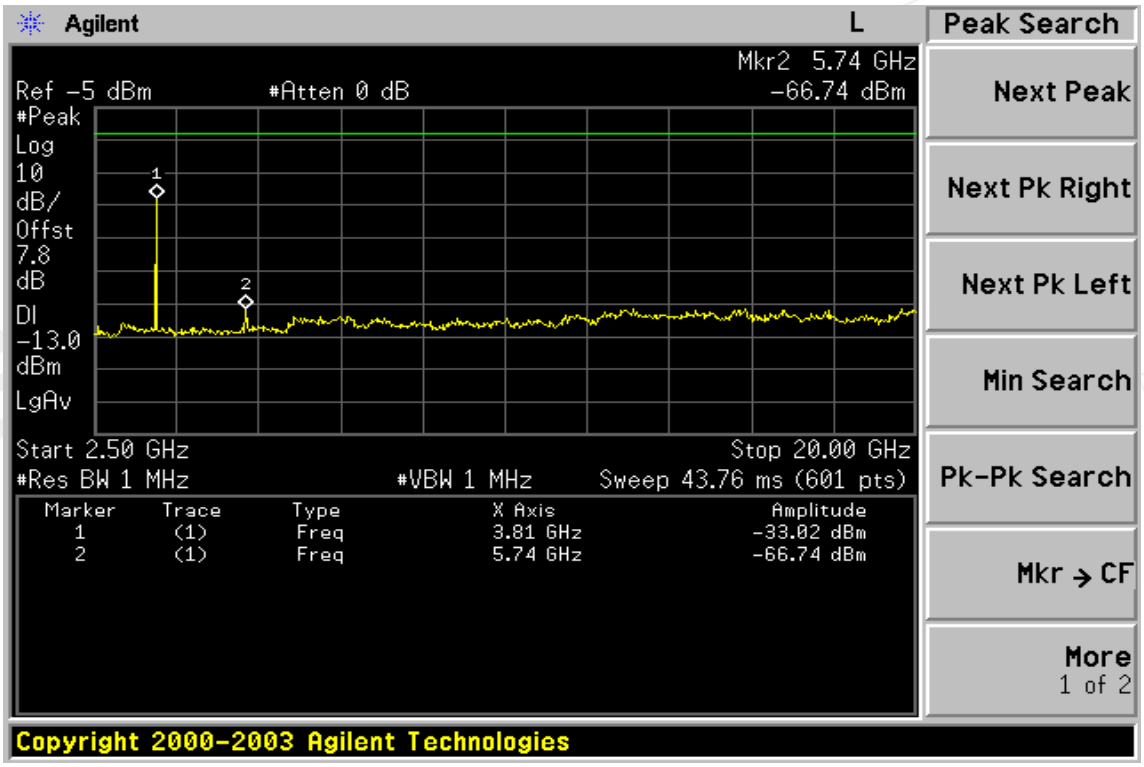


Figure 8-13: Bad edge emission at antenna terminals – WCDMA BAND II Channel Lowest

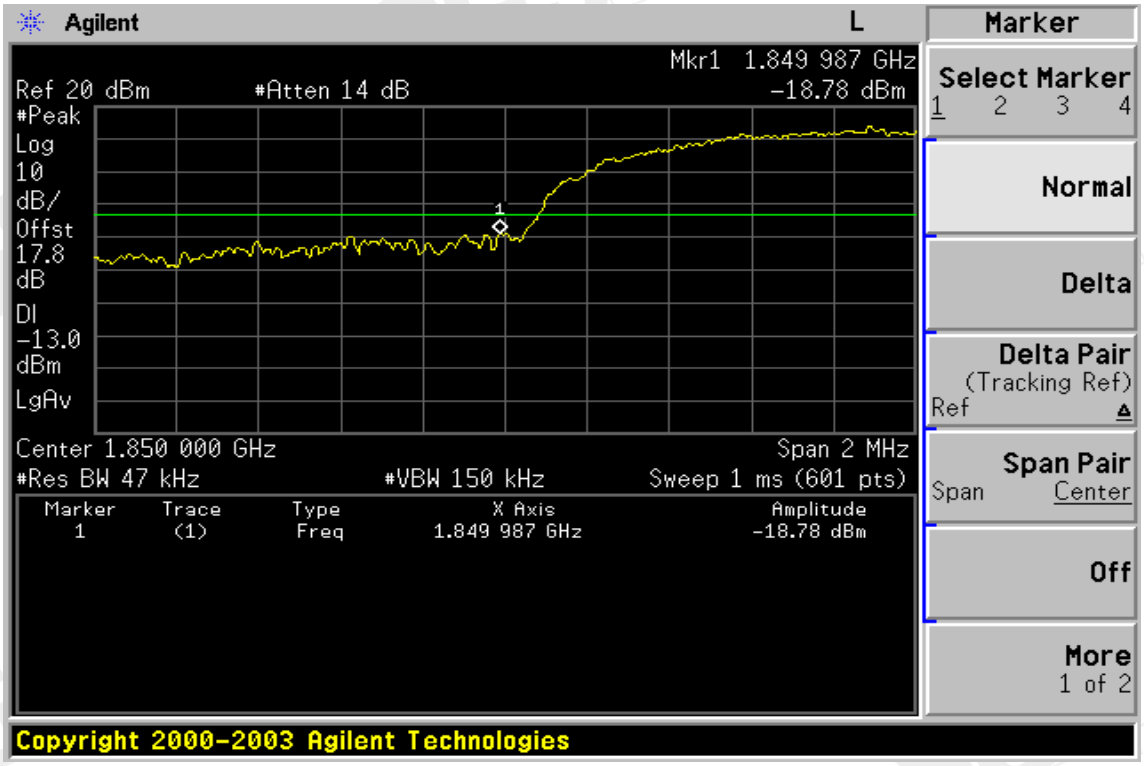


Figure 8-14: Band edge emission at antenna terminals –WCDMA BAND II Channel Highest

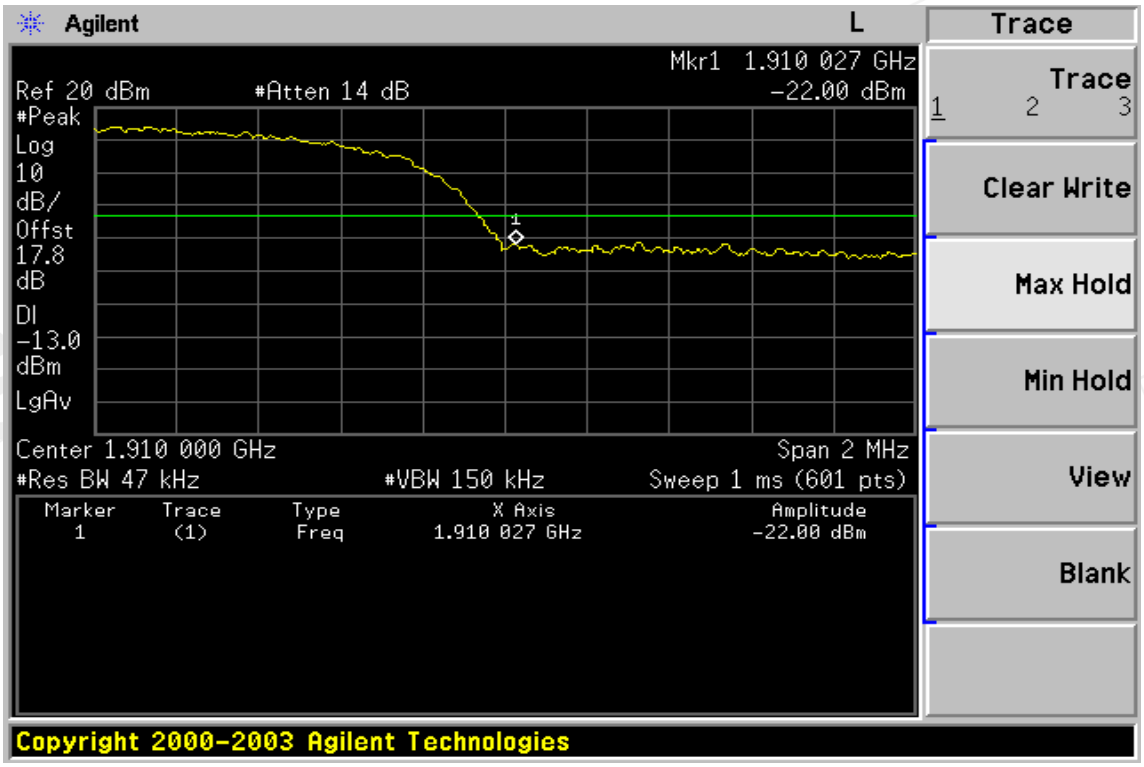
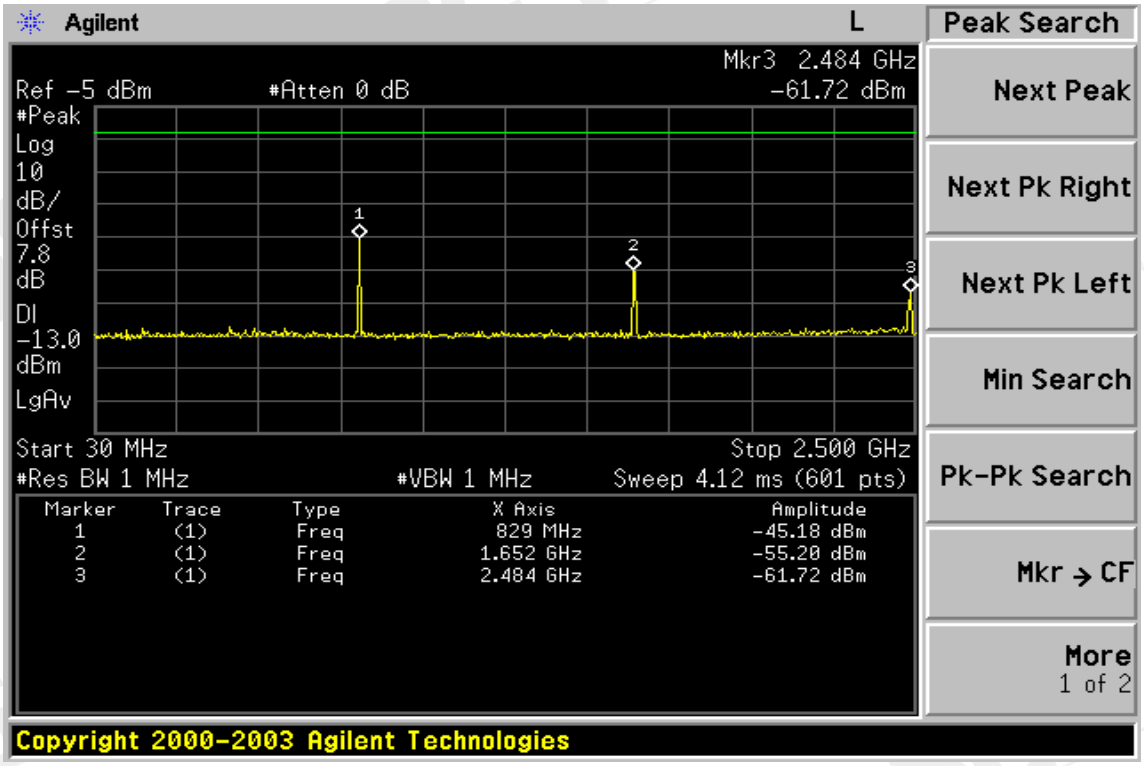


Figure 8-14: Out of Band emission at antenna terminals– WCDMA Band V Channel Lowest



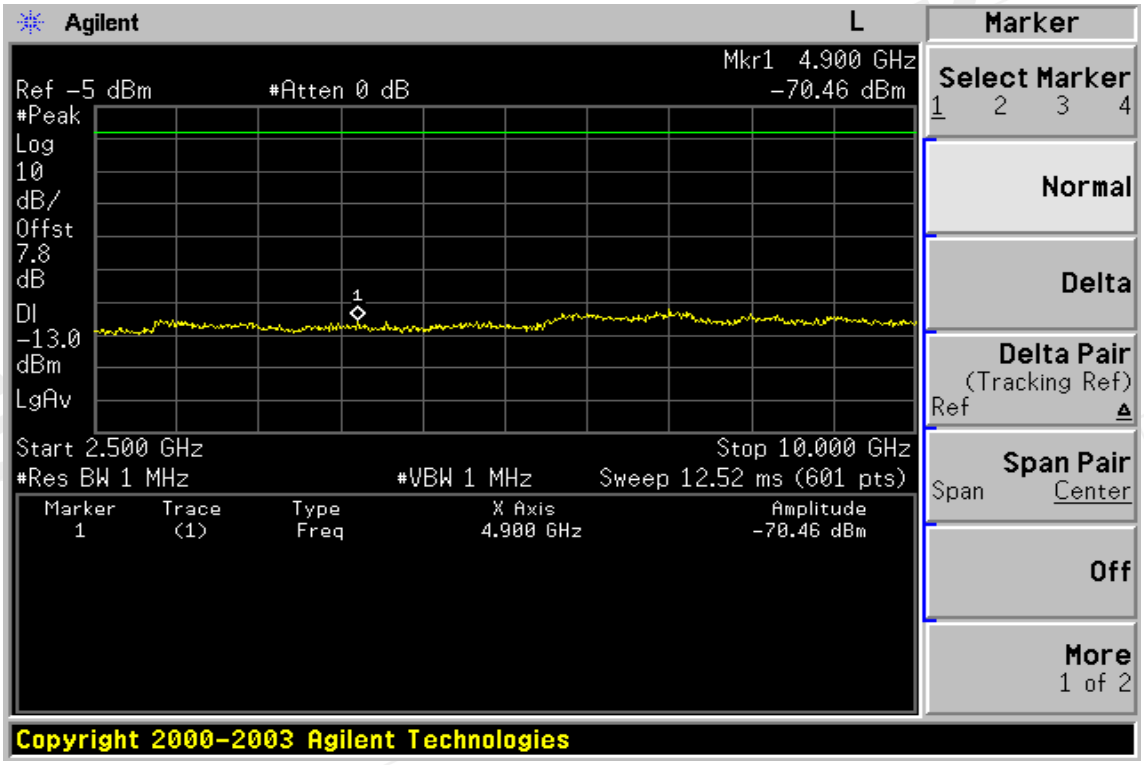
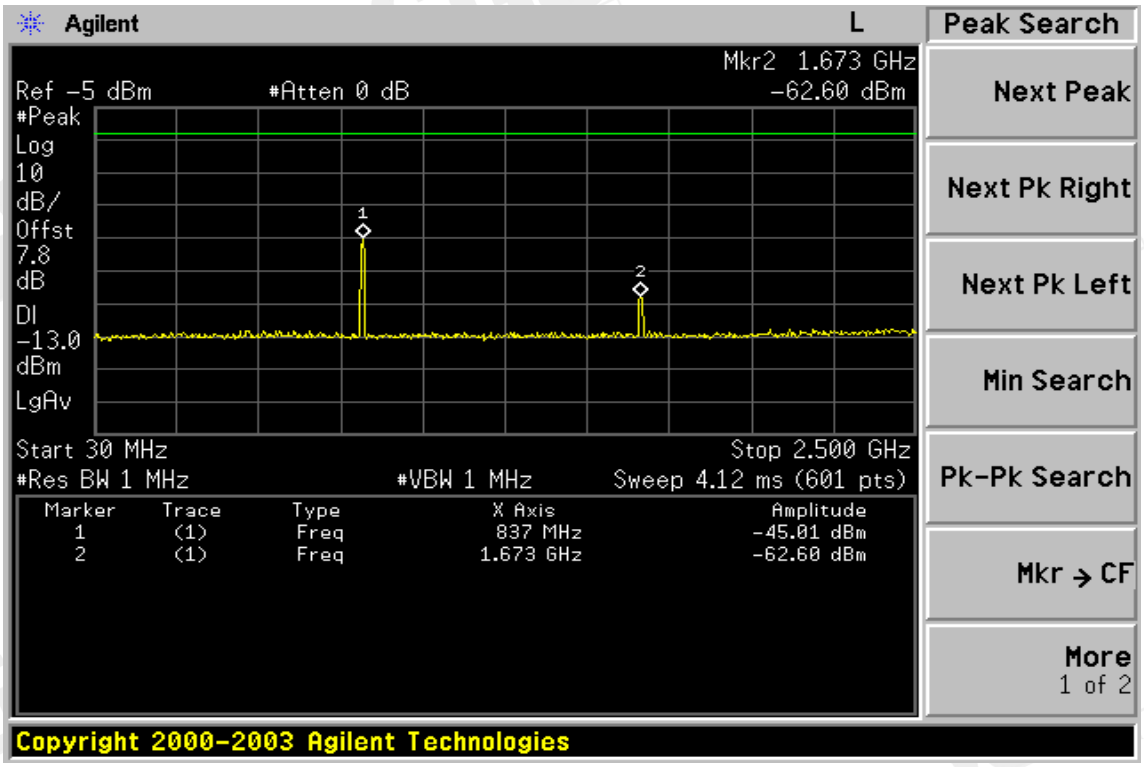


Figure 8-15: Out of Band emission at antenna terminals –WCDMA Band V Channel Mid



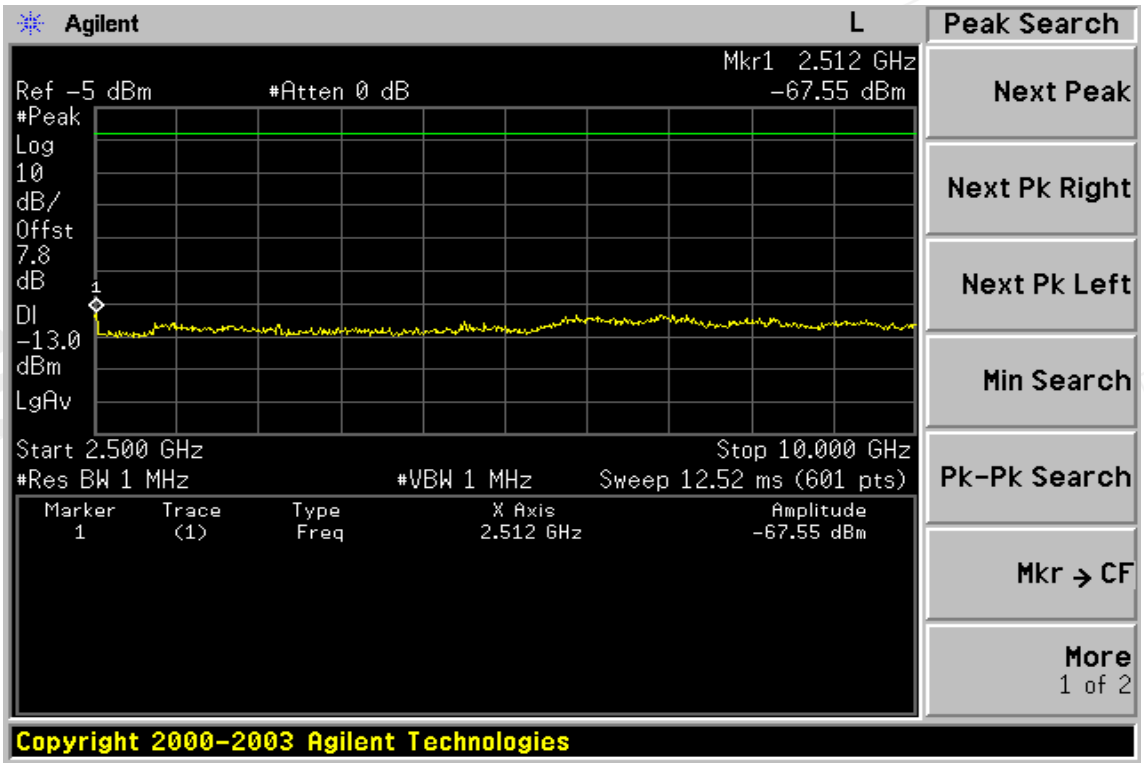
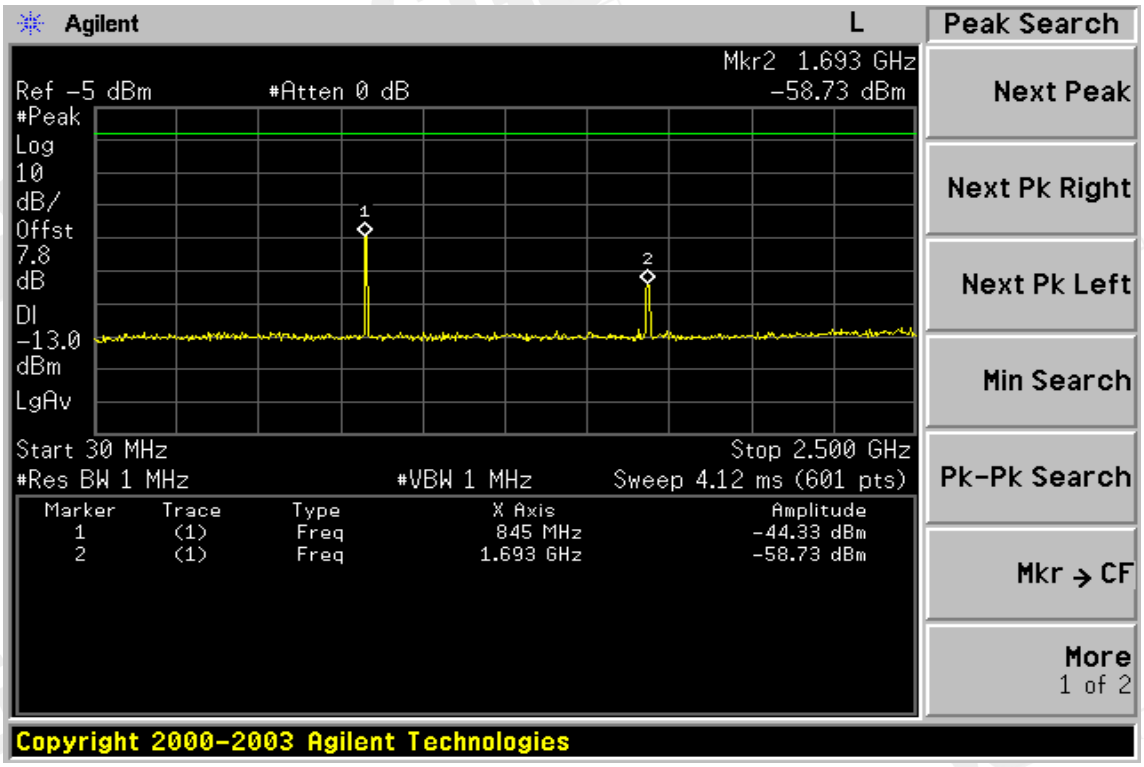


Figure 8-16: Out of Band emission at antenna terminals–WCDMA BAND V Channel Highest



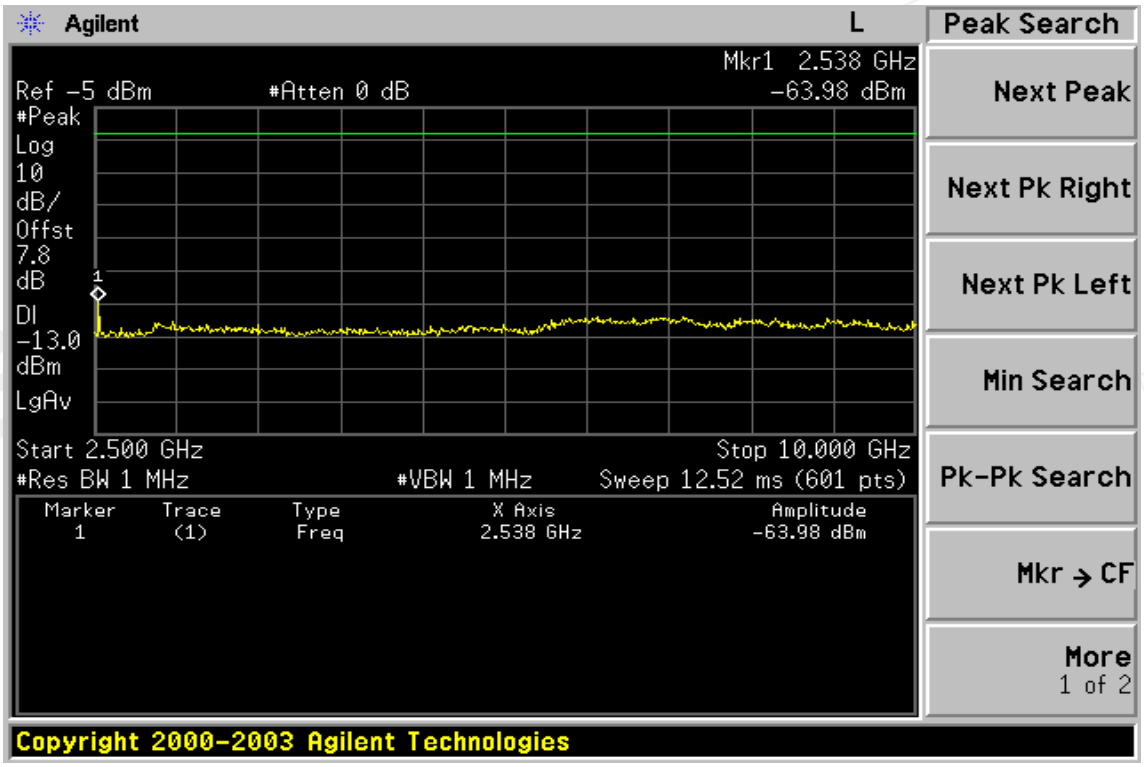


Figure 8-17: Bad edge emission at antenna terminals – WCDMA BAND V Channel Lowest

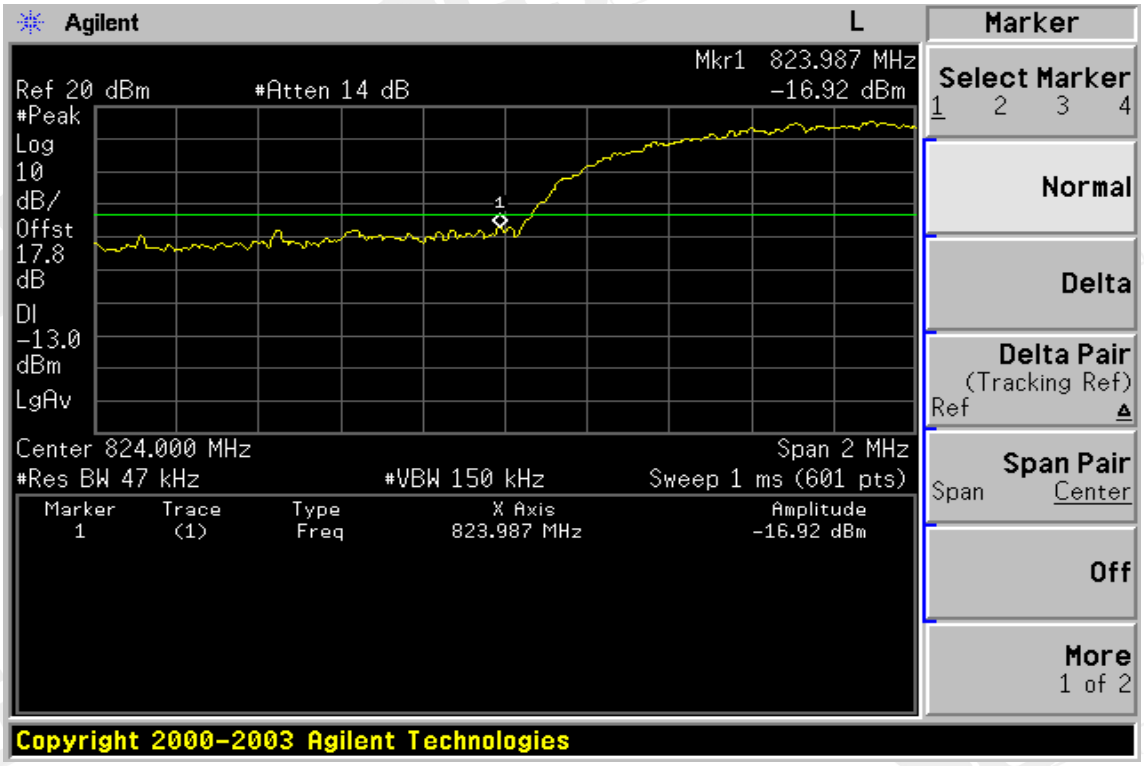
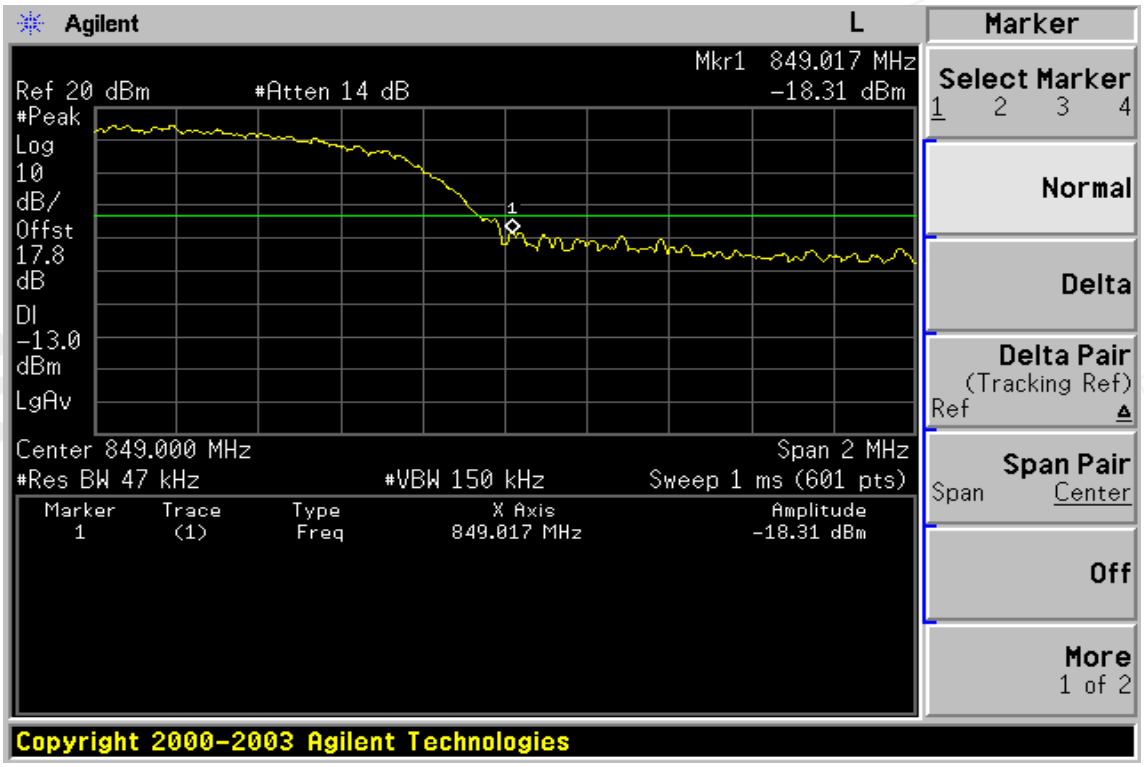


Figure 8-18: Band edge emission at antenna terminals – WCDMA BAND V Channel Highest



9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

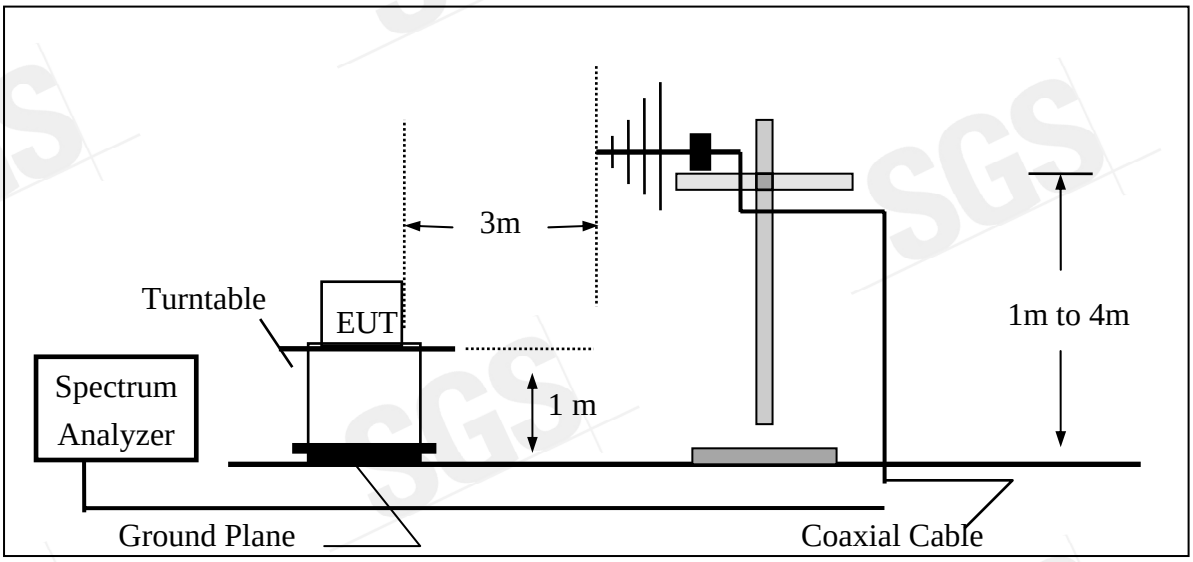
9.1 Standard Applicable

According to FCC §2.1053,

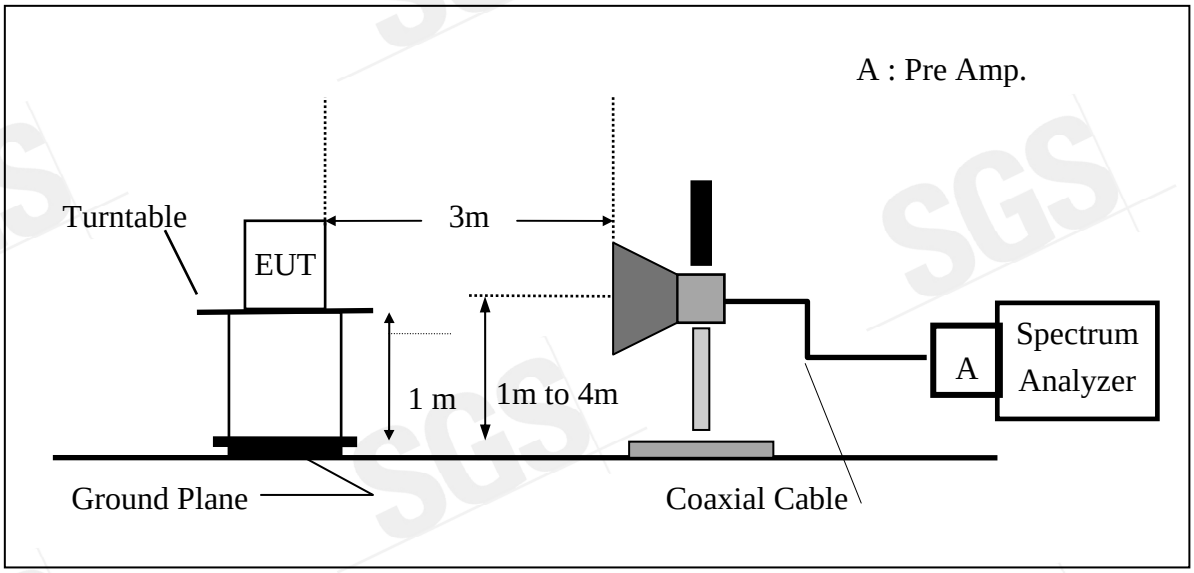
FCC §22.917(a),§24.238(a), the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean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

9.2 EUT Setup (Block Diagram of Configuration)

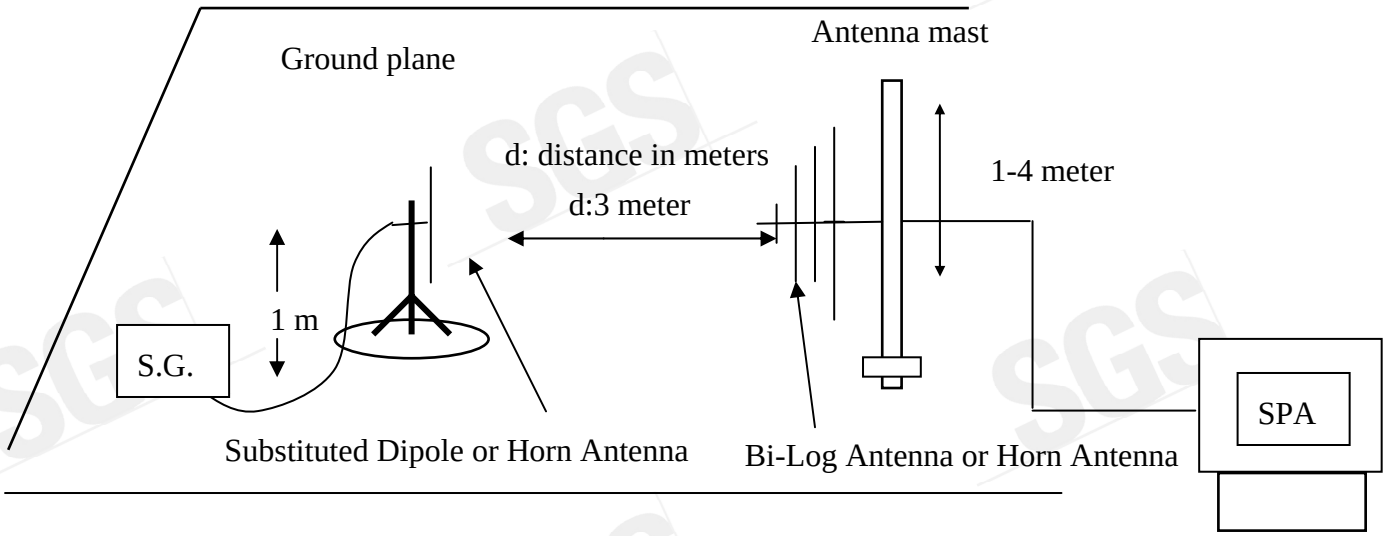
(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



(C) Substituted Method Test Set-UP



9.3 Measurement Procedure

The EUT was placed on a non-conductive, The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission were identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

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

9.4 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/26/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Bi-log Antenna	SCHWAZBECK	VULB9160	3224	11/14/2006	11/13/2007
Horn antenna	SCHWAZBECK	BBHA 9120D	309/320	08/16/2007	08/15/2008
Pre-Amplifier	HP	8447D	2944A09469	07/19/2007	07/18/2008
Pre-Amplifier	HP	8494B	3008A00578	02/26/2007	02/25/2008
Signal Generator	R&S	SMR40	100210	02/09/2007	02/10/2008
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	10/09/2007	10/08/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	10/09/2007	10/08/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-0.5M	0.5m	10/09/2007	10/08/2008
Site NSA	SGS	966 chamber	N/A	11/17/2006	11/16/2007
Attenuator	Mini-Circult	BW-S10W5	N/A	09/23/2007	09/22/2008
Dipole Antenna	SCHWAZBECK	VHAP	908/909	06/09/2007	06/10/2008
Dipole Antenna	SCHWAZBECK	UHAP	891/892	06/09/2007	06/10/2008
Horn antenna	SCHWAZBECK	BBHA 9120D	N/A	08/16/2007	08/15/2008

9.5 Measurement Result

Refer to attach tabular data sheets.

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode	: TX CH Low E2 Mode	Test Date:	Dec. 28, 2007
Fundamental Frequency	: 824.20 MHz	Test By:	Jason
Temperature	: 25℃	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
51.34	47.23	V	-60.35	-0.58	0.91	-61.83	-13.00	-48.83
96.93	48.22	V	-55.69	-7.76	1.20	-64.65	-13.00	-51.65
824.00	75.57	V	-11.76	-7.87	3.64	-23.28	-13.00	-10.28
1648.40	47.34	V	-59.70	9.29	5.06	-55.47	-13.00	-42.47
2472.60	44.54	V	-59.52	10.08	6.30	-55.75	-13.00	-42.75
3296.80	39.46	V	-63.12	12.17	7.26	-58.21	-13.00	-45.21
4121.00	---	V		12.61	8.33		-13.00	
4945.20	---	V		12.65	9.19		-13.00	
5769.40	---	V		13.55	9.80		-13.00	
6593.60	---	V		12.05	10.61		-13.00	
7417.80	---	V		11.49	11.28		-13.00	
8242.00	---	V		11.48	12.26		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode : TX CH Low E2 Mode
Fundamental Frequency : 824.20 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	50.98	H	-54.92	-7.34	0.69	-62.95	-13.00	-49.95
92.08	45.53	H	-58.07	-7.75	1.17	-66.99	-13.00	-53.99
824.00	82.80	H	-4.86	-7.87	3.64	-16.38	-13.00	-3.38
1648.40	46.55	H	-60.46	9.29	5.06	-56.23	-13.00	-43.23
2472.60	40.21	H	-63.85	10.08	6.30	-60.07	-13.00	-47.07
3296.80	43.57	H	-58.79	12.17	7.26	-53.88	-13.00	-40.88
4121.00	---	H		12.61	8.33		-13.00	
4945.20	---	H		12.65	9.19		-13.00	
5769.40	---	H		13.55	9.80		-13.00	
6593.60	---	H		12.05	10.61		-13.00	
7417.80	---	H		11.49	11.28		-13.00	
8242.00	---	H		11.48	12.26		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode : TX CH Mid E2 Mode
Fundamental Frequency : 836.60 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	49.20	V	-55.05	-7.75	1.17	-63.98	-13.00	-50.98
96.93	47.92	V	-55.99	-7.76	1.20	-64.95	-13.00	-51.95
1673.20	47.42	V	-59.61	9.36	5.10	-55.35	-13.00	-42.35
2509.80	42.65	V	-61.23	10.09	6.35	-57.49	-13.00	-44.49
3346.40	40.38	V	-62.18	12.28	7.29	-57.20	-13.00	-44.20
4183.00	---	V		12.62	8.40		-13.00	
5019.60	---	V		12.67	9.26		-13.00	
5856.20	---	V		13.68	9.85		-13.00	
6692.80	---	V		11.95	10.74		-13.00	
7529.40	---	V		11.45	11.35		-13.00	
8366.00	---	V		11.59	12.43		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belongs to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode : TX CH Mid E2 Mode
Fundamental Frequency : 836.60 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.55	H	-54.35	-7.34	0.69	-62.38	-13.00	-49.38
92.08	45.68	H	-57.92	-7.75	1.17	-66.84	-13.00	-53.84
1673.20	50.80	H	-56.20	9.36	5.10	-51.93	-13.00	-38.93
2509.80	40.04	H	-63.83	10.09	6.35	-60.09	-13.00	-47.09
3346.40	43.54	H	-58.78	12.28	7.29	-53.80	-13.00	-40.80
4183.00	---	H		12.62	8.40		-13.00	
5019.60	---	H		12.67	9.26		-13.00	
5856.20	---	H		13.68	9.85		-13.00	
6692.80	---	H		11.95	10.74		-13.00	
7529.40	---	H		11.45	11.35		-13.00	
8366.00	---	H		11.59	12.43		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode : TX CH High E2 Mode
Fundamental Frequency : 848.80 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	49.57	V	-54.68	-7.75	1.17	-63.61	-13.00	-50.61
96.93	47.74	V	-56.17	-7.76	1.20	-65.13	-13.00	-52.13
850.00	73.77	V	-12.94	-7.88	3.75	-24.57	-13.00	-11.57
1697.60	48.03	V	-58.99	9.44	5.14	-54.70	-13.00	-41.70
2546.40	40.48	V	-63.31	10.20	6.40	-59.51	-13.00	-46.51
3395.20	38.30	V	-64.24	12.38	7.33	-59.19	-13.00	-46.19
4244.00	---	V		12.63	8.46		-13.00	
5092.80	---	V		12.74	9.32		-13.00	
5941.60	---	V		13.81	9.89		-13.00	
6790.40	---	V		11.86	10.87		-13.00	
7639.20	---	V		11.40	11.48		-13.00	
8488.00	---	V		11.70	12.59		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: GSM 850 Mode

Operation Mode : TX CH High E2 Mode
Fundamental Frequency : 848.80 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	50.99	H	-54.91	-7.34	0.69	-62.94	-13.00	-49.94
92.08	45.97	H	-57.63	-7.75	1.17	-66.55	-13.00	-53.55
850.00	80.79	H	-6.20	-7.88	3.75	-17.83	-13.00	-4.83
1697.60	51.53	H	-55.45	9.44	5.14	-51.16	-13.00	-38.16
2546.40	40.81	H	-62.97	10.20	6.40	-59.17	-13.00	-46.17
3395.20	47.64	H	-54.64	12.38	7.33	-49.59	-13.00	-36.59
4244.00	---	H		12.63	8.46		-13.00	
5092.80	---	H		12.74	9.32		-13.00	
5941.60	---	H		13.81	9.89		-13.00	
6790.40	---	H		11.86	10.87		-13.00	
7639.20	---	H		11.40	11.48		-13.00	
8488.00	---	H		11.70	12.59		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1850.20MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	48.94	V	-55.31	-7.75	1.17	-64.24	-13.00	-51.24
101.78	47.27	V	-56.21	-7.76	1.23	-65.20	-13.00	-52.20
1850.00	79.27	V	-27.69	9.90	5.41	-23.20	-13.00	-10.20
3700.40	---	V		12.61	7.73		-13.00	
5550.60	---	V		13.23	9.68		-13.00	
7400.80	---	V		11.50	11.28		-13.00	
9251.00	---	V		11.92	13.10		-13.00	
11101.20	---	V		11.66	14.33		-13.00	
12951.40	---	V		13.63	15.98		-13.00	
14801.60	---	V		12.76	17.27		-13.00	
16651.80	---	V		15.92	19.04		-13.00	
18502.00	---	V		18.75	21.21		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1850.20MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	50.97	H	-54.93	-7.34	0.69	-62.96	-13.00	-49.96
96.93	47.56	H	-55.79	-7.76	1.20	-64.75	-13.00	-51.75
1850.00	72.83	H	-34.06	9.90	5.41	-29.57	-13.00	-16.57
3700.40	39.53	H	-61.83	12.61	7.73	-56.95	-13.00	-43.95
5550.60	36.32	H	-58.81	13.23	9.68	-55.26	-13.00	-42.26
7400.80	---	H		11.50	11.28		-13.00	
9251.00	---	H		11.92	13.10		-13.00	
11101.20	---	H		11.66	14.33		-13.00	
12951.40	---	H		13.63	15.98		-13.00	
14801.60	---	H		12.76	17.27		-13.00	
16651.80	---	H		15.92	19.04		-13.00	
18502.00	---	H		18.75	21.21		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	47.61	V	-56.64	-7.75	1.17	-65.57	-13.00	-52.57
96.93	47.83	V	-56.08	-7.76	1.20	-65.04	-13.00	-52.04
3760.00	---	V		12.60	7.82		-13.00	
5640.00	35.49	V	-59.47	13.36	9.73	-55.84	-13.00	-42.84
7520.00	---	V		11.45	11.33		-13.00	
9400.00	---	V		11.93	13.15		-13.00	
11280.00	---	V		11.92	14.56		-13.00	
13160.00	---	V		13.33	16.11		-13.00	
15040.00	---	V		13.76	17.57		-13.00	
16920.00	---	V		15.27	19.66		-13.00	
18800.00	---	V		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.63	H	-54.27	-7.34	0.69	-62.30	-13.00	-49.30
92.08	46.49	H	-57.11	-7.75	1.17	-66.03	-13.00	-53.03
3760.00	---	H		12.60	7.82		-13.00	
5640.00	38.27	H	-56.62	13.36	9.73	-52.99	-13.00	-39.99
7520.00	---	H		11.45	11.33		-13.00	
9400.00	---	H		11.93	13.15		-13.00	
11280.00	---	H		11.92	14.56		-13.00	
13160.00	---	H		13.33	16.11		-13.00	
15040.00	---	H		13.76	17.57		-13.00	
16920.00	---	H		15.27	19.66		-13.00	
18800.00	---	H		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1909.8 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	46.90	V	-57.35	-7.75	1.17	-66.28	-13.00	-53.28
96.93	47.49	V	-56.42	-7.76	1.20	-65.38	-13.00	-52.38
1910.00	79.37	V	-27.57	10.08	5.51	-23.00	-13.00	-10.00
3981.60	36.35	V	-63.93	12.60	8.17	-59.51	-13.00	-46.51
5972.40	---	V		13.86	9.91		-13.00	
7963.20	---	V		11.27	11.88		-13.00	
9954.00	---	V		12.08	13.43		-13.00	
11944.80	---	V		13.08	15.21		-13.00	
13935.60	---	V		11.82	16.86		-13.00	
15926.40	---	V		17.08	18.33		-13.00	
17917.20	---	V		9.63	20.12		-13.00	
19908.00	---	V		18.88	20.85		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: PCS 1900 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1909.8 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.80	H	-54.10	-7.34	0.69	-62.13	-13.00	-49.13
92.08	46.24	H	-57.36	-7.75	1.17	-66.28	-13.00	-53.28
1910.00	73.21	H	-33.64	10.08	5.51	-29.08	-13.00	-16.08
3981.60	36.84	H	-63.34	12.60	8.17	-58.91	-13.00	-45.91
5972.40	---	H		13.86	9.91		-13.00	
7963.20	---	H		11.27	11.88		-13.00	
9954.00	---	H		12.08	13.43		-13.00	
11944.80	---	H		13.08	15.21		-13.00	
13935.60	---	H		11.82	16.86		-13.00	
15926.40	---	H		17.08	18.33		-13.00	
17917.20	---	H		9.63	20.12		-13.00	
19908.00	---	H		18.88	20.85		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode	: TX CH Low E1 Mode	Test Date:	Dec. 28, 2007
Fundamental Frequency	: 824.20 MHz	Test By:	Jason
Temperature	: 25℃	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	52.96	V	-60.35	-0.58	0.91	-61.83	-13.00	-48.83
56.19	43.86	V	-55.69	-7.76	1.20	-64.65	-13.00	-51.65
96.93	44.49	V	-55.69	-7.76	1.20	-64.65	-13.00	-51.65
824.00	77.88	V	-11.76	-7.87	3.64	-23.28	-13.00	-10.28
1648.40	37.14	V	-59.70	9.29	5.06	-55.47	-13.00	-42.47
2472.60	57.16	V	-59.52	10.08	6.30	-55.75	-13.00	-42.75
3296.80	---	V	-63.12	12.17	7.26	-58.21	-13.00	-45.21
4121.00	---	V		12.61	8.33		-13.00	
4945.20	---	V		12.65	9.19		-13.00	
5769.40	---	V		13.55	9.80		-13.00	
6593.60	---	V		12.05	10.61		-13.00	
7417.80	---	V		11.49	11.28		-13.00	
8242.00	---	V		11.48	12.26		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode	: TX CH Low E1 Mode	Test Date:	Dec. 28, 2007
Fundamental Frequency	: 824.20 MHz	Test By:	Jason
Temperature	: 25℃	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
75.59	40.45	H	-54.92	-7.34	0.69	-62.95	-13.00	-49.95
96.93	41.55	H	-58.07	-7.75	1.17	-66.99	-13.00	-53.99
824.00	73.25	H	-4.86	-7.87	3.64	-16.38	-13.00	-3.38
1648.40	39.73	H	-60.46	9.29	5.06	-56.23	-13.00	-43.23
2472.60	56.47	H	-63.85	10.08	6.30	-60.07	-13.00	-47.07
3296.80	---	H	-58.79	12.17	7.26	-53.88	-13.00	-40.88
4121.00	---	H		12.61	8.33		-13.00	
4945.20	---	H		12.65	9.19		-13.00	
5769.40	---	H		13.55	9.80		-13.00	
6593.60	---	H		12.05	10.61		-13.00	
7417.80	---	H		11.49	11.28		-13.00	
8242.00	---	H		11.48	12.26		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 836.60 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	52.50	V	-55.05	-7.75	1.17	-63.98	-13.00	-50.98
96.93	45.51	V	-55.99	-7.76	1.20	-64.95	-13.00	-51.95
1673.20	45.52	V	-59.61	9.36	5.10	-55.35	-13.00	-42.35
2509.80	48.52	V	-61.23	10.09	6.35	-57.49	-13.00	-44.49
3346.40	---	V	-62.18	12.28	7.29	-57.20	-13.00	-44.20
4183.00	---	V		12.62	8.40		-13.00	
5019.60	---	V		12.67	9.26		-13.00	
5856.20	---	V		13.68	9.85		-13.00	
6692.80	---	V		11.95	10.74		-13.00	
7529.40	---	V		11.45	11.35		-13.00	
8366.00	---	V		11.59	12.43		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belongs to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 836.60 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
56.19	43.89	H	-54.35	-7.34	0.69	-62.38	-13.00	-49.38
101.78	42.04	H	-57.92	-7.75	1.17	-66.84	-13.00	-53.84
1673.20	40.70	H	-56.20	9.36	5.10	-51.93	-13.00	-38.93
2509.80	51.66	H	-63.83	10.09	6.35	-60.09	-13.00	-47.09
3346.40	---	H	-58.78	12.28	7.29	-53.80	-13.00	-40.80
4183.00	---	H		12.62	8.40		-13.00	
5019.60	---	H		12.67	9.26		-13.00	
5856.20	---	H		13.68	9.85		-13.00	
6692.80	---	H		11.95	10.74		-13.00	
7529.40	---	H		11.45	11.35		-13.00	
8366.00	---	H		11.59	12.43		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 848.80 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	51.76	V	-54.68	-7.75	1.17	-63.61	-13.00	-50.61
99.84	42.60	V	-56.17	-7.76	1.20	-65.13	-13.00	-52.13
850.00	79.38	V	-12.94	-7.88	3.75	-24.57	-13.00	-11.57
1697.60	47.15	V	-58.99	9.44	5.14	-54.70	-13.00	-41.70
2546.40	48.93	V	-63.31	10.20	6.40	-59.51	-13.00	-46.51
3395.20	---	V	-64.24	12.38	7.33	-59.19	-13.00	-46.19
4244.00	---	V		12.63	8.46		-13.00	
5092.80	---	V		12.74	9.32		-13.00	
5941.60	---	V		13.81	9.89		-13.00	
6790.40	---	V		11.86	10.87		-13.00	
7639.20	---	V		11.40	11.48		-13.00	
8488.00	---	V		11.70	12.59		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 850 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 848.80 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
56.19	43.20	H	-54.91	-7.34	0.69	-62.94	-13.00	-49.94
96.93	40.67	H	-57.63	-7.75	1.17	-66.55	-13.00	-53.55
850.00	70.99	H	-6.20	-7.88	3.75	-17.83	-13.00	-4.83
1697.60	39.71	H	-55.45	9.44	5.14	-51.16	-13.00	-38.16
2546.40	48.88	H	-62.97	10.20	6.40	-59.17	-13.00	-46.17
3395.20	---	H	-54.64	12.38	7.33	-49.59	-13.00	-36.59
4244.00	---	H		12.63	8.46		-13.00	
5092.80	---	H		12.74	9.32		-13.00	
5941.60	---	H		13.81	9.89		-13.00	
6790.40	---	H		11.86	10.87		-13.00	
7639.20	---	H		11.40	11.48		-13.00	
8488.00	---	H		11.70	12.59		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1850.20MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.42	V	-55.31	-7.75	1.17	-64.24	-13.00	-51.24
92.08	46.66	V	-56.21	-7.76	1.23	-65.20	-13.00	-52.20
1850.00	80.63	V	-27.69	9.90	5.41	-23.20	-13.00	-10.20
3700.40	---	V		12.61	7.73		-13.00	
5550.60	---	V		13.23	9.68		-13.00	
7400.80	---	V		11.50	11.28		-13.00	
9251.00	---	V		11.92	13.10		-13.00	
11101.20	---	V		11.66	14.33		-13.00	
12951.40	---	V		13.63	15.98		-13.00	
14801.60	---	V		12.76	17.27		-13.00	
16651.80	---	V		15.92	19.04		-13.00	
18502.00	---	V		18.75	21.21		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1850.20MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	53.17	H	-54.93	-7.34	0.69	-62.96	-13.00	-49.96
56.19	46.51	H	-55.79	-7.76	1.20	-64.75	-13.00	-51.75
1850.00	75.36	H	-34.06	9.90	5.41	-29.57	-13.00	-16.57
3700.40	---	H	-61.83	12.61	7.73	-56.95	-13.00	-43.95
5550.60	---	H	-58.81	13.23	9.68	-55.26	-13.00	-42.26
7400.80	---	H		11.50	11.28		-13.00	
9251.00	---	H		11.92	13.10		-13.00	
11101.20	---	H		11.66	14.33		-13.00	
12951.40	---	H		13.63	15.98		-13.00	
14801.60	---	H		12.76	17.27		-13.00	
16651.80	---	H		15.92	19.04		-13.00	
18502.00	---	H		18.75	21.21		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	50.12	V	-56.64	-7.75	1.17	-65.57	-13.00	-52.57
92.08	46.79	V	-56.08	-7.76	1.20	-65.04	-13.00	-52.04
3760.00	---	V		12.60	7.82		-13.00	
5640.00	---	V	-59.47	13.36	9.73	-55.84	-13.00	-42.84
7520.00	---	V		11.45	11.33		-13.00	
9400.00	---	V		11.93	13.15		-13.00	
11280.00	---	V		11.92	14.56		-13.00	
13160.00	---	V		13.33	16.11		-13.00	
15040.00	---	V		13.76	17.57		-13.00	
16920.00	---	V		15.27	19.66		-13.00	
18800.00	---	V		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	53.03	H	-54.27	-7.34	0.69	-62.30	-13.00	-49.30
145.43	45.01	H	-57.11	-7.75	1.17	-66.03	-13.00	-53.03
3760.00	---	H		12.60	7.82		-13.00	
5640.00	35.21	H	-56.62	13.36	9.73	-52.99	-13.00	-39.99
7520.00	---	H		11.45	11.33		-13.00	
9400.00	---	H		11.93	13.15		-13.00	
11280.00	---	H		11.92	14.56		-13.00	
13160.00	---	H		13.33	16.11		-13.00	
15040.00	---	H		13.76	17.57		-13.00	
16920.00	---	H		15.27	19.66		-13.00	
18800.00	---	H		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1909.8 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	50.37	V	-57.35	-7.75	1.17	-66.28	-13.00	-53.28
92.08	46.72	V	-56.42	-7.76	1.20	-65.38	-13.00	-52.38
1910.00	80.26	V	-27.57	10.08	5.51	-23.00	-13.00	-10.00
3981.60	---	V	-63.93	12.60	8.17	-59.51	-13.00	-46.51
5972.40	---	V		13.86	9.91		-13.00	
7963.20	---	V		11.27	11.88		-13.00	
9954.00	---	V		12.08	13.43		-13.00	
11944.80	---	V		13.08	15.21		-13.00	
13935.60	---	V		11.82	16.86		-13.00	
15926.40	---	V		17.08	18.33		-13.00	
17917.20	---	V		9.63	20.12		-13.00	
19908.00	---	V		18.88	20.85		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: EGPRS 1900 Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1909.8 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
31.94	53.15	H	-54.10	-7.34	0.69	-62.13	-13.00	-49.13
56.19	44.05	H	-57.36	-7.75	1.17	-66.28	-13.00	-53.28
1910.00	74.08	H	-33.64	10.08	5.51	-29.08	-13.00	-16.08
3981.60	---	H	-63.34	12.60	8.17	-58.91	-13.00	-45.91
5972.40	---	H		13.86	9.91		-13.00	
7963.20	---	H		11.27	11.88		-13.00	
9954.00	---	H		12.08	13.43		-13.00	
11944.80	---	H		13.08	15.21		-13.00	
13935.60	---	H		11.82	16.86		-13.00	
15926.40	---	H		17.08	18.33		-13.00	
17917.20	---	H		9.63	20.12		-13.00	
19908.00	---	H		18.88	20.85		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1852.40MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
48.43	52.85	V	-53.33	-0.92	0.88	-55.14	-13.00	-42.14
92.08	48.35	V	-55.90	-7.75	1.17	-64.83	-13.00	-51.83
1850.00	73.20	V	-33.76	9.90	5.41	-29.27	-13.00	-16.27
3704.80	42.90	V	-58.66	12.61	7.73	-53.79	-13.00	-40.79
5557.20	---	V		13.24	9.69		-13.00	
7409.60	---	V		11.49	11.28		-13.00	
9262.00	---	V		11.92	13.10		-13.00	
11114.40	---	V		11.68	14.35		-13.00	
12966.80	---	V		13.62	16.00		-13.00	
14819.20	---	V		12.83	17.30		-13.00	
16671.60	---	V		15.87	19.09		-13.00	
18524.00	---	V		18.74	21.22		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 1852.40MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.89	H	-54.01	-7.34	0.69	-62.04	-13.00	-49.04
92.08	48.87	H	-54.73	-7.75	1.17	-63.65	-13.00	-50.65
1850.00	68.91	H	-37.98	9.90	5.41	-33.49	-13.00	-20.49
3704.80	39.58	H	-61.76	12.61	7.73	-56.89	-13.00	-43.89
5557.20	---	H		13.24	9.69		-13.00	
7409.60	---	H		11.49	11.28		-13.00	
9262.00	---	H		11.92	13.10		-13.00	
11114.40	---	H		11.68	14.35		-13.00	
12966.80	---	H		13.62	16.00		-13.00	
14819.20	---	H		12.83	17.30		-13.00	
16671.60	---	H		15.87	19.09		-13.00	
18524.00	---	H		18.74	21.22		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
51.34	53.71	V	-53.87	-0.58	0.91	-55.35	-13.00	-42.35
92.08	47.95	V	-56.30	-7.75	1.17	-65.23	-13.00	-52.23
1877.50	60.25	V	-46.70	9.98	5.45	-42.17	-13.00	-29.17
3760.00	42.58	V	-58.72	12.60	7.82	-53.94	-13.00	-40.94
5640.00	---	V		13.36	9.73		-13.00	
7520.00	---	V		11.45	11.33		-13.00	
9400.00	---	V		11.93	13.15		-13.00	
11280.00	---	V		11.92	14.56		-13.00	
13160.00	---	V		13.33	16.11		-13.00	
15040.00	---	V		13.76	17.57		-13.00	
16920.00	---	V		15.27	19.66		-13.00	
18800.00	---	V		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 1880MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.72	H	-54.18	-7.34	0.69	-62.21	-13.00	-49.21
92.08	49.11	H	-54.49	-7.75	1.17	-63.41	-13.00	-50.41
1877.50	64.82	H	-42.05	9.98	5.45	-37.53	-13.00	-24.53
3760.00	40.12	H	-60.99	12.60	7.82	-56.20	-13.00	-43.20
5640.00	35.32	H	-59.57	13.36	9.73	-55.94	-13.00	-42.94
7520.00	---	H		11.45	11.33		-13.00	
9400.00	---	H		11.93	13.15		-13.00	
11280.00	---	H		11.92	14.56		-13.00	
13160.00	---	H		13.33	16.11		-13.00	
15040.00	---	H		13.76	17.57		-13.00	
16920.00	---	H		15.27	19.66		-13.00	
18800.00	---	H		18.68	21.34		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1907.6 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
92.08	47.33	V	-56.92	-7.75	1.17	-65.85	-13.00	-52.85
96.93	46.59	V	-57.32	-7.76	1.20	-66.28	-13.00	-53.28
1910.00	71.58	V	-35.36	10.08	5.51	-30.79	-13.00	-17.79
3815.20	40.57	V	-60.48	12.60	7.91	-55.79	-13.00	-42.79
5722.80	---	V		13.48	9.78		-13.00	
7630.40	---	V		11.41	11.47		-13.00	
9538.00	---	V		11.95	13.21		-13.00	
11445.60	---	V		12.15	14.77		-13.00	
13353.20	---	V		13.00	16.21		-13.00	
15260.80	---	V		14.91	17.86		-13.00	
17168.40	---	V		14.53	19.76		-13.00	
19076.00	---	V		18.65	21.37		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND II Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 1907.6 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.87	H	-54.03	-7.34	0.69	-62.06	-13.00	-49.06
92.08	47.91	H	-55.69	-7.75	1.17	-64.61	-13.00	-51.61
1910.00	65.38	H	-41.47	10.08	5.51	-36.91	-13.00	-23.91
3815.20	38.37	H	-62.51	12.60	7.91	-57.81	-13.00	-44.81
5722.80	---	H		13.48	9.78		-13.00	
7630.40	---	H		11.41	11.47		-13.00	
9538.00	---	H		11.95	13.21		-13.00	
11445.60	---	H		12.15	14.77		-13.00	
13353.20	---	H		13.00	16.21		-13.00	
15260.80	---	H		14.91	17.86		-13.00	
17168.40	---	H		14.53	19.76		-13.00	
19076.00	---	H		18.65	21.37		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 826.4MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
51.34	48.46	V	-59.12	-0.58	0.91	-60.60	-13.00	-47.60
92.08	49.12	V	-55.13	-7.75	1.17	-64.06	-13.00	-51.06
96.93	47.41	V	-56.50	-7.76	1.20	-65.46	-13.00	-52.46
824.00	76.48	V	-10.85	-7.87	3.64	-22.37	-13.00	-9.37
1652.80	38.44	V	-68.60	9.30	5.06	-64.36	-13.00	-51.36
2479.20	39.11	V	-64.91	10.07	6.31	-61.15	-13.00	-48.15
3305.60	---	V		12.19	7.26		-13.00	
4132.00	---	V		12.62	8.34		-13.00	
4958.40	---	V		12.65	9.20		-13.00	
5784.80	---	V		13.58	9.81		-13.00	
6611.20	---	V		12.03	10.63		-13.00	
7437.60	---	V		11.48	11.29		-13.00	
8264.00	---	V		11.50	12.29		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH Low E1 Mode
Fundamental Frequency : 826.4MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	51.64	H	-54.26	-7.34	0.69	-62.29	-13.00	-49.29
92.08	49.40	H	-54.20	-7.75	1.17	-63.12	-13.00	-50.12
824.00	69.97	H	-17.69	-7.87	3.64	-29.21	-13.00	-16.21
1652.80	---	H		9.30	5.06		-13.00	
2479.20	---	H		10.07	6.31		-13.00	
3305.60	---	H		12.19	7.26		-13.00	
4132.00	---	H		12.62	8.34		-13.00	
4958.40	---	H		12.65	9.20		-13.00	
5784.80	---	H		13.58	9.81		-13.00	
6611.20	---	H		12.03	10.63		-13.00	
7437.60	---	H		11.48	11.29		-13.00	
8264.00	---	H		11.50	12.29		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 836.0MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
51.34	47.86	V	-59.72	-0.58	0.91	-61.20	-13.00	-48.20
92.08	48.45	V	-55.80	-7.75	1.17	-64.73	-13.00	-51.73
1672.00	---	V		9.36	5.10		-13.00	
2508.00	38.83	V	-65.05	10.08	6.35	-61.31	-13.00	-48.31
3344.00	37.56	V	-65.00	12.27	7.29	-60.02	-13.00	-47.02
4180.00	---	V		12.62	8.39		-13.00	
5016.00	---	V		12.67	9.25		-13.00	
5852.00	---	V		13.68	9.84		-13.00	
6688.00	---	V		11.96	10.73		-13.00	
7524.00	---	V		11.45	11.34		-13.00	
8360.00	---	V		11.58	12.42		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH Mid E1 Mode
Fundamental Frequency : 836.0MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	52.21	H	-53.69	-7.34	0.69	-61.72	-13.00	-48.72
92.08	48.11	H	-55.49	-7.75	1.17	-64.41	-13.00	-51.41
1672.00	---	H		9.36	5.10		-13.00	
2508.00	---	H		10.08	6.35		-13.00	
3344.00	---	H		12.27	7.29		-13.00	
4180.00	---	H		12.62	8.39		-13.00	
5016.00	---	H		12.67	9.25		-13.00	
5852.00	---	H		13.68	9.84		-13.00	
6688.00	---	H		11.96	10.73		-13.00	
7524.00	---	H		11.45	11.34		-13.00	
8360.00	---	H		11.58	12.42		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 846.6 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Ver

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
48.43	48.92	V	-57.26	-0.92	0.88	-59.07	-13.00	-46.07
92.08	49.66	V	-54.59	-7.75	1.17	-63.52	-13.00	-50.52
850.00	74.32	V	-12.39	-7.88	3.75	-24.02	-13.00	-11.02
1693.20	39.31	V	-67.71	9.42	5.13	-63.42	-13.00	-50.42
2539.80	36.92	V	-66.88	10.18	6.39	-63.10	-13.00	-50.10
3386.40	37.70	V	-64.85	12.36	7.32	-59.81	-13.00	-46.81
4233.00	---	V		12.63	8.45		-13.00	
5079.60	---	V		12.73	9.31		-13.00	
5926.20	---	V		13.79	9.88		-13.00	
6772.80	---	V		11.87	10.84		-13.00	
7619.40	---	V		11.41	11.46		-13.00	
8466.00	---	V		11.68	12.56		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

Radiated Spurious Emission Measurement Result: WCDMA BAND V Mode

Operation Mode : TX CH High E1 Mode
Fundamental Frequency : 846.60 MHz
Temperature : 25℃
Humidity : 65%

Test Date: Dec. 28, 2007
Test By: Jason
Pol: Hor

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/ EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	53.20	H	-52.70	-7.34	0.69	-60.73	-13.00	-47.73
92.08	48.75	H	-54.85	-7.75	1.17	-63.77	-13.00	-50.77
850.00	67.79	H	-19.20	-7.88	3.75	-30.83	-13.00	-17.83
1693.20	37.63	H	-69.35	9.42	5.13	-65.06	-13.00	-52.06
2539.80	38.00	H	-65.80	10.18	6.39	-62.01	-13.00	-49.01
3386.40	37.10	H	-65.19	12.36	7.32	-60.15	-13.00	-47.15
4233.00	---	H		12.63	8.45		-13.00	
5079.60	---	H		12.73	9.31		-13.00	
5926.20	---	H		13.79	9.88		-13.00	
6772.80	---	H		11.87	10.84		-13.00	
7619.40	---	H		11.41	11.46		-13.00	
8466.00	---	H		11.68	12.56		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark：

1 The emission behaviors belong to narrowband spurious emission.

2 Remark"---" means that the emission level is too low to be measured

3 The result basic equation calculation is as follows:

4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

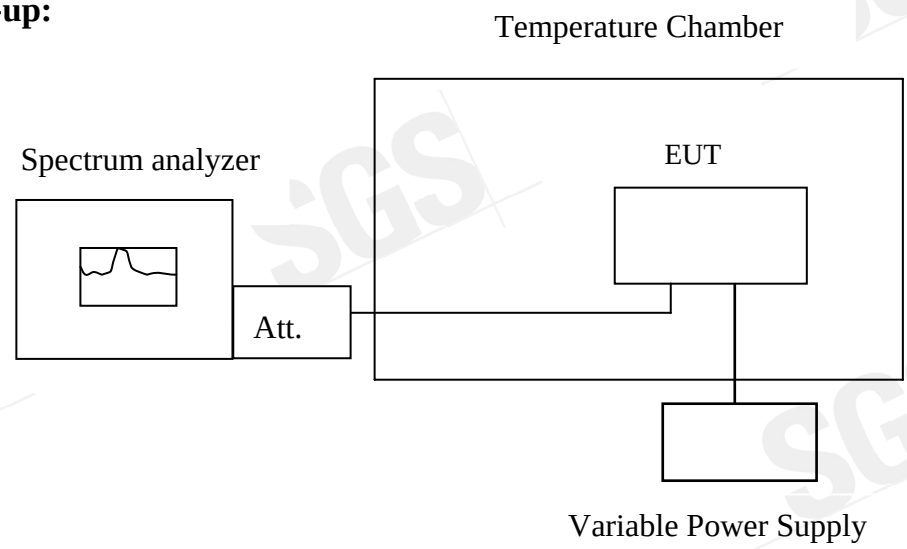
10. FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

10.1 Standard Applicable

According to FCC §2.1055(a)(1)(b).

Frequency Tolerance: 2.5 ppm

10.2 Test Set-up:



Note : Measurement setup for testing on Antenna connector

10.3 Measurement 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°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes re-corded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

10.4 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/27/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	01/05/2007	01/04/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Power Sensor	Anritsu	MA2490A	31431	07/07/2007	07/06/2008
Power Meter	Anritsu	ML2487A	6K00002070	07/07/2007	07/06/2008
Temperature Chamber	TERCHY	MHG-120LF	911009	04/26/2007	04/25/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2007	07/04/2008
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2007	07/04/2008
Splitter	Agilent	11636B	51728	07/05/2007	07/04/2008
DC Power Supply	Agilent	6038A	2929A-07548	06/27/2007	06/26/2008

10.5 Measurement Result

Reference Frequency: GSM Mid Channel 836.6 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	836.599988	13.00	2091
3.7	-20	836.599984	17.00	2091
3.7	-10	836.599977	24.00	2091
3.7	0	836.599967	34.00	2091
3.7	10	836.599990	11.00	2091
3.7	20	836.600001	0.00	2091
3.7	30	836.599997	4.00	2091
3.7	40	836.599984	17.00	2091
3.7	50	836.599981	20.00	2091

Reference Frequency: PCS Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	1879.999998	-7.00	4700
3.7	-20	1879.999946	45.00	4700
3.7	-10	1879.999955	36.00	4700
3.7	0	1879.999948	43.00	4700
3.7	10	1879.999974	17.00	4700
3.7	20	1879.999991	0.00	4700
3.7	30	1880.000003	-12.00	4700
3.7	40	1880.000012	-21.00	4700
3.7	50	1879.999973	18.00	4700

Note: The battery is rated 3.7V dc.

Reference Frequency: EGPRS Mid Channel 836.6 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	836.599992	10.00	2091
3.7	-20	836.599993	9.00	2091
3.7	-10	836.599992	10.00	2091
3.7	0	836.599996	6.00	2091
3.7	10	836.599998	4.00	2091
3.7	20	836.600002	0.00	2091
3.7	30	836.600013	-11.00	2091
3.7	40	836.600005	-3.00	2091
3.7	50	836.599995	7.00	2091

Reference Frequency: EGPRS Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	1879.999952	43.00	4700
3.7	-20	1879.999957	38.00	4700
3.7	-10	1879.999963	32.00	4700
3.7	0	1879.999976	19.00	4700
3.7	10	1880.000004	-9.00	4700
3.7	20	1879.999995	0.00	4700
3.7	30	1880.000006	-11.00	4700
3.7	40	1879.999975	20.00	4700
3.7	50	1879.999969	26.00	4700

Note: The battery is rated 3.7V dc.

Reference Frequency: WCDMA II Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	1879.999982	9.00	4700
3.7	-20	1879.999974	17.00	4700
3.7	-10	1879.999978	13.00	4700
3.7	0	1879.999980	11.00	4700
3.7	10	1879.999985	6.00	4700
3.7	20	1879.999991	0.00	4700
3.7	30	1879.999995	-4.00	4700
3.7	40	1879.999992	-1.00	4700
3.7	50	1879.999996	-5.00	4700

Reference Frequency: WCDMA V Mid Channel 836.0 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	-30	836.599988	2.00	2091
3.7	-20	836.599986	4.00	2091
3.7	-10	836.599989	1.00	2091
3.7	0	836.599986	4.00	2091
3.7	10	836.599985	5.00	2091
3.7	20	836.599990	0.00	2091
3.7	30	836.600001	-11.00	2091
3.7	40	836.599994	-4.00	2091
3.7	50	836.599993	-3.00	2091

Note: The battery is rated 3.7V dc.

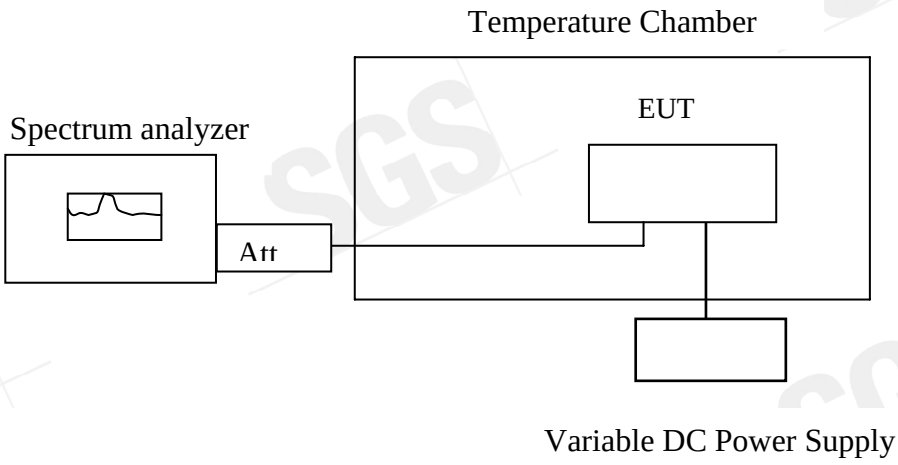
11. FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

11.1 Standard Applicable

According to FCC §2.1055(d)(1)(2)

Frequency Tolerance: 2.5 ppm

11.2 Test Set-up:



Note: *Measurement setup for testing on Antenna connector*

11.3 Measurement Procedure

Set chamber temperature to 25℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low 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 change.

11.4 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2007	04/27/2008
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2008
Spectrum Analyzer	R&S	FSP 40	100034	01/05/2007	01/04/2008
Communication Test	R&S	SMU200	N/A	N/A	N/A
Power Sensor	Anritsu	MA2490A	31431	07/07/2007	07/06/2008
Power Meter	Anritsu	ML2487A	6K00002070	07/07/2007	07/06/2008
Temperature Chamber	TERCHY	MHG-120LF	911009	04/26/2007	04/25/2008
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2007	07/04/2008
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2007	07/04/2008
Splitter	Agilent	11636B	51728	07/05/2007	07/04/2008
DC Power Supply	Agilent	6038A	2929A-07548	06/27/2007	06/26/2008

11.5 Measurement Result

Reference Frequency: GSM Mid Channel 836.6 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.70	25.00	836.599993	0.00	2091.00
3.30	25.00	836.599992	1.00	2091.00
4.26	25.00	836.599988	5.00	2091.00
3.0 (End Point)	25.00	836.600030	-37.00	2091.00

Reference Frequency: PCS Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	25	1879.999969	0.00	4700
3.3	25	1879.999956	13.00	4700
4.255	25	1879.999973	-4.00	4700
3.0 (Endpoint)	25	1880.000027	-58.00	4700

Reference Frequency: EGPRS Mid Channel 836.6 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.70	25.00	836.599997	0.00	2091.00
3.30	25.00	836.599995	2.00	2091.00
4.26	25.00	836.600002	-5.00	2091.00
3.0 (End Point)	25.00	836.600020	-23.00	2091.00

Note: The battery is rated 3.7V dc.

Reference Frequency: EGPRS Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	25	1879.999986	0.00	4700
3.3	25	1879.999981	5.00	4700
4.255	25	1879.999957	29.00	4700
3.0 (Endpoint)	25	1879.999972	14.00	4700

Reference Frequency: WCDMA II Mid Channel 1880 MHz @ 25℃				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.7	25	1879.999993	0.00	4700
3.30	25	1879.999991	2.00	4700
4.26	25	1879.999996	-3.00	4700
3.0 (End Point)	25	1880.000068	-75.00	4700

Reference Frequency: WCDMA V Mid Channel 836.0 MHz @ 25℃				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (℃)	(MHz)		
3.70	25.00	836.599992	0.00	2091.00
3.30	25.00	836.599993	-1.00	2091.00
4.26	25.00	836.599996	-4.00	2091.00
3.0 (End Point)	25.00	836.600062	-70.00	2091.00

Note: The battery is rated 3.7V dc.

12. AC POWER LINE CONDUCTED EMISSION TEST

12.1 Standard Applicable

According to §15.207. The emission value for frequency within 150KHz to 30MHz shall not exceed criteria of below chart.

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.		

12.2 EUT Setup

1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4-2001.
2. The EUT was plug-in DC power adaptort and was placed on the center of the back edge on the test table. The peripherals like earphone was placed on the side of the EUT. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
3. The Power adaptor was connected with 110Vac/60Hz power source.

12.3 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

12.4 Measurement Equipment Used:

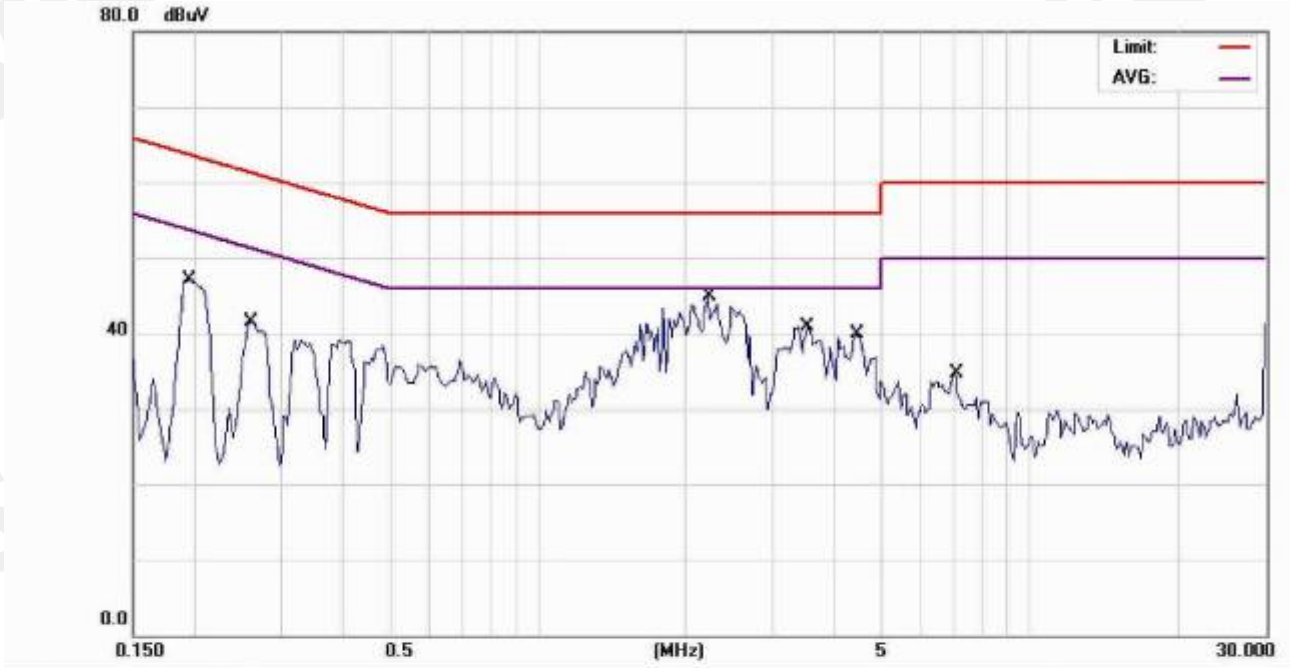
Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMC Analyzer	HP	8594EM	3624A00203	09/02/2007	09/03/2008
EMI Test Receiver	R&S	ESCS30	828985/004	06/09/2007	06/10/2008
Transient Limiter	HP	11947A	3107A02062	09/02/2007	09/03/2008
LISN	Rolf-Heine	NNB-2/16Z	99012	01/10/2007	01/09/2008
LISN	Rolf-Heine	NNB-2/16Z	99013	01/10/2007	01/09/2008
Coaxial Cables	N/A	No. 3, 4	N/A	12/01/2007	11/30/2008

12.5 Measurement Result

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	GSM 850 LINK + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

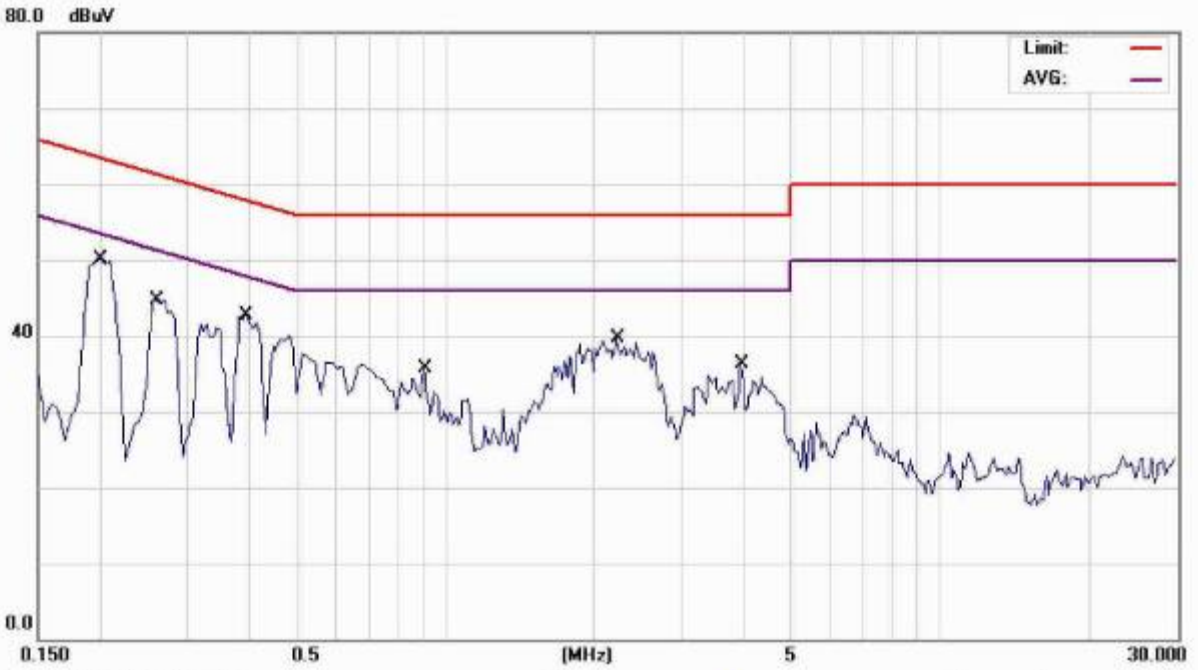


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: GSM 850 Link Mode+AC Adapter

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1950	46.56	0.51	47.07	63.82	-16.75	QP	
2		0.2600	41.03	0.55	41.58	61.43	-19.85	QP	
3	*	2.2250	44.03	0.85	44.88	56.00	-11.12	QP	
4		3.5450	40.02	0.94	40.96	56.00	-15.04	QP	
5		4.4450	39.00	0.99	39.99	56.00	-16.01	QP	
6		7.0800	33.60	1.06	34.66	60.00	-25.34	QP	

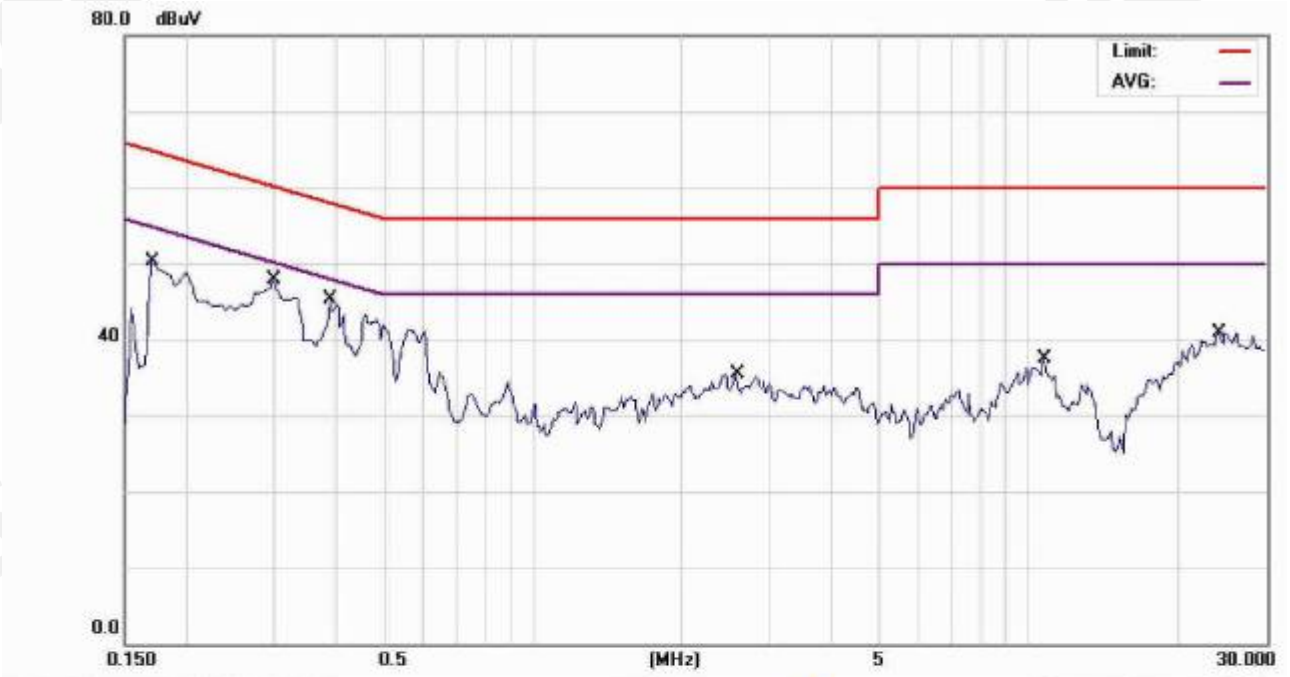


Site SGS CONDUCTED #1 Phase: N Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile Distance: Air Pressure: hpa
M/N: LF152
Note: GSM 850 Link Mode+AC Adapter

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.2000	49.57	0.52	50.09	63.61	-13.52	QP	
2		0.2600	44.18	0.55	44.73	61.43	-16.70	QP	
3		0.3950	42.17	0.62	42.79	57.96	-15.17	QP	
4		0.9050	34.92	0.78	35.70	56.00	-20.30	QP	
5		2.2250	38.67	0.95	39.62	56.00	-16.38	QP	
6		3.9650	35.30	1.07	36.37	56.00	-19.63	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	GSM 850 LINK + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jazz

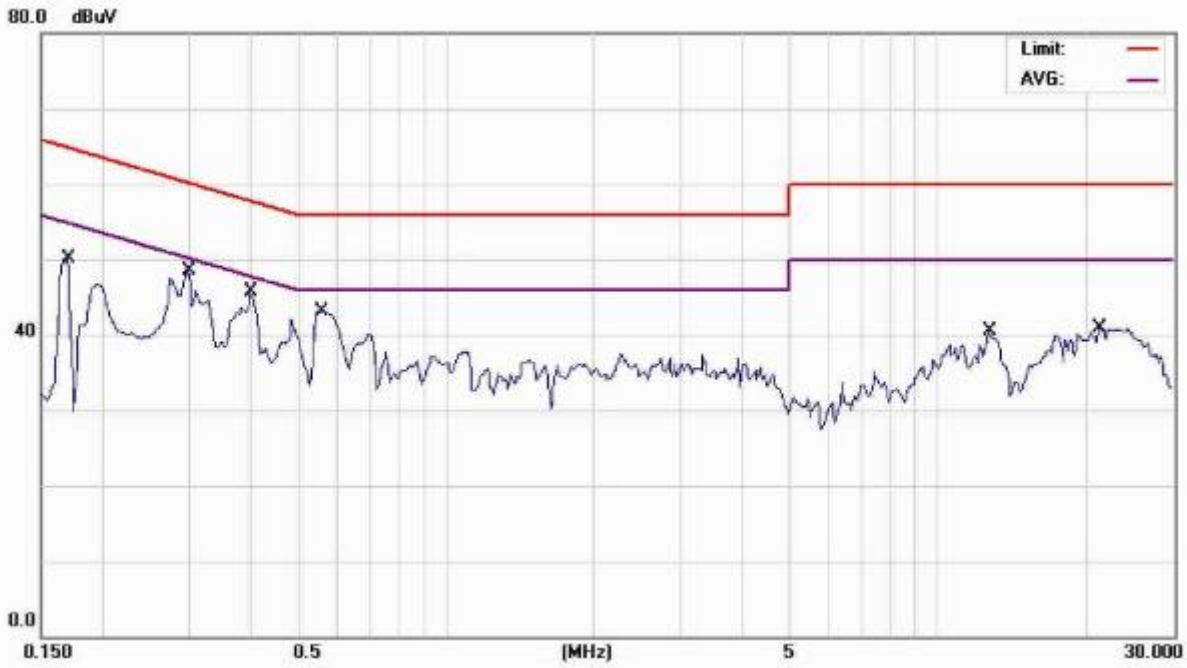


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: GSM 850 Link Mode+USB Cable

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	49.74	0.48	50.22	64.96	-14.74	QP	
2	*	0.3000	47.25	0.57	47.82	60.24	-12.42	QP	
3		0.3900	44.73	0.61	45.34	58.06	-12.72	QP	
4		2.5850	34.72	0.88	35.60	56.00	-20.40	QP	
5		10.7600	36.29	1.14	37.43	60.00	-22.57	QP	
6		24.1600	39.52	1.38	40.90	60.00	-19.10	QP	

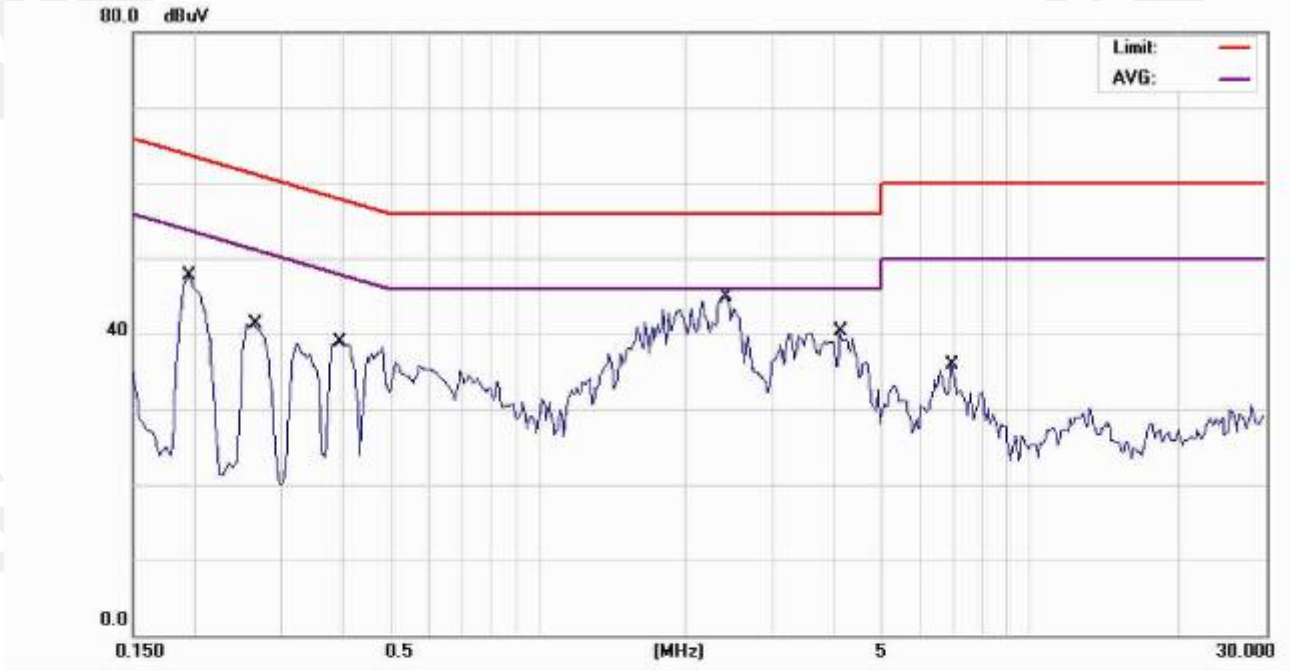


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: GSM 850 Link Mode+USB Cable

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	49.70	0.48	50.18	64.96	-14.78	QP	
2	*	0.3000	47.85	0.57	48.42	60.24	-11.82	QP	
3		0.4000	45.10	0.62	45.72	57.85	-12.13	QP	
4		0.5600	42.42	0.67	43.09	56.00	-12.91	QP	
5		12.7600	39.16	1.26	40.42	60.00	-19.58	QP	
6		21.3600	39.56	1.40	40.96	60.00	-19.04	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	GSM 1900 Link + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

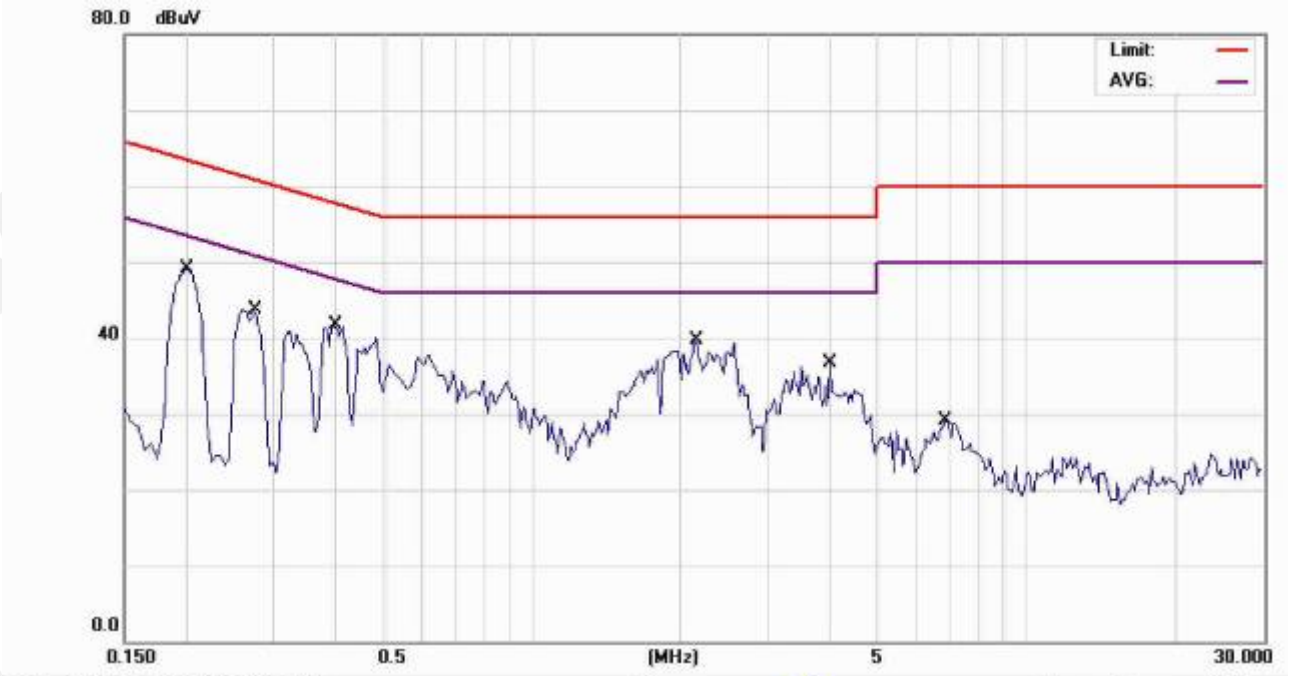


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: GSM 1900 Link Mode+AC Adapter

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1950	47.27	0.51	47.78	63.82	-16.04	QP	
2		0.2650	40.68	0.55	41.23	61.27	-20.04	QP	
3		0.3950	38.32	0.62	38.94	57.96	-19.02	QP	
4	*	2.4200	44.02	0.87	44.89	56.00	-11.11	QP	
5		4.1150	39.38	0.98	40.36	56.00	-15.64	QP	
6		6.9400	34.80	1.06	35.86	60.00	-24.14	QP	



Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: GSM 1900 Link Mode+AC Adapter

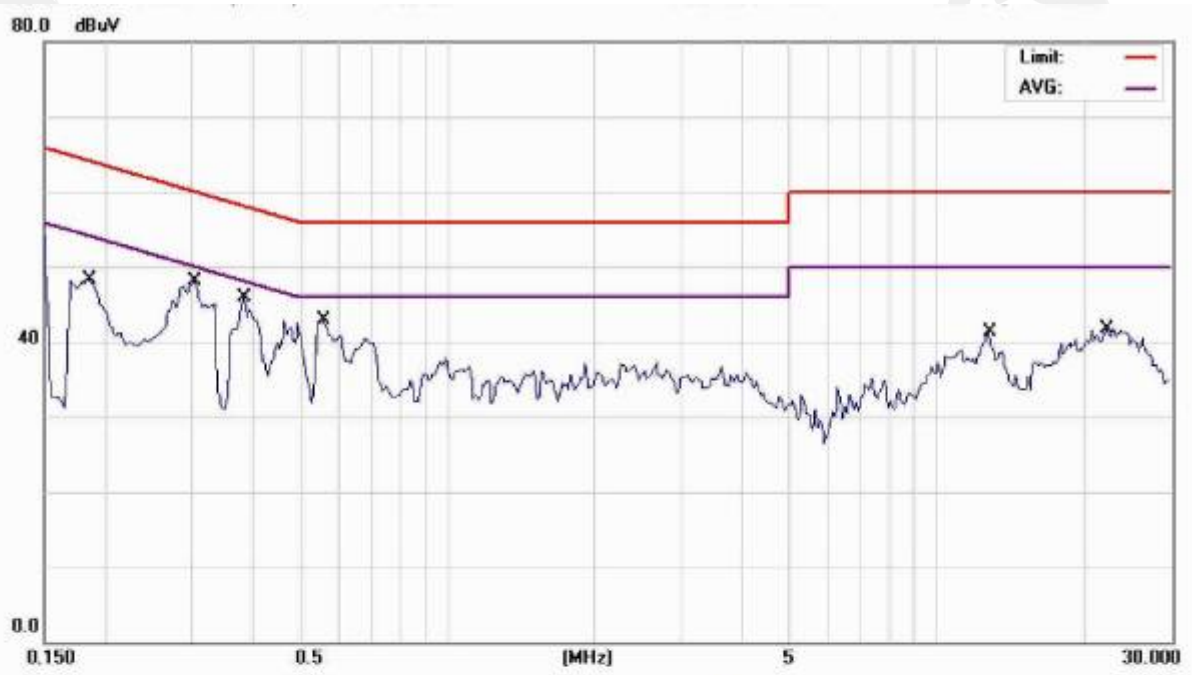
Phase: N
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.2000	48.60	0.52	49.12	63.61	-14.49	QP	
2		0.2750	43.10	0.56	43.66	60.97	-17.31	QP	
3		0.4000	41.06	0.62	41.68	57.85	-16.17	QP	
4		2.1500	38.82	0.95	39.77	56.00	-16.23	QP	
5		4.0250	35.58	1.07	36.65	56.00	-19.35	QP	
6		6.8600	27.98	1.16	29.14	60.00	-30.86	QP	

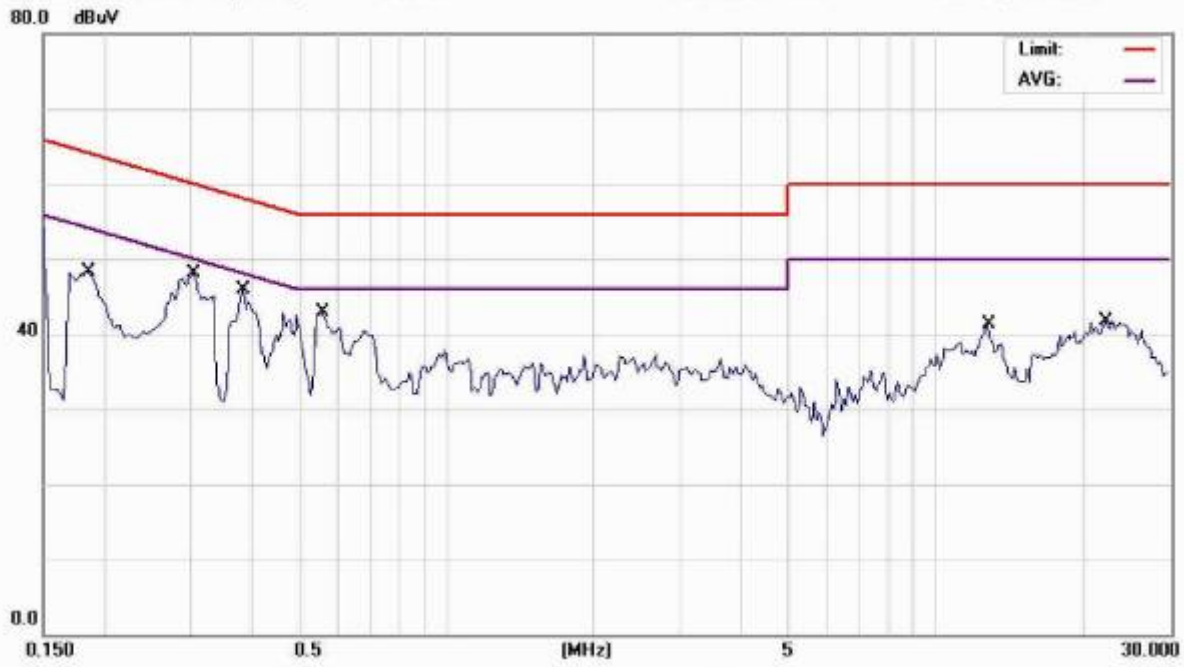
AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	GSM 1900 Link + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason



Site SGS CONDUCTED #1 Phase: N Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile Distance: Air Pressure: hpa
M/N: LF152
Note: GSM 1900 Link Mode+USB Cable

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1850	47.81	0.50	48.31	64.26	-15.95	QP	
2	*	0.3050	47.51	0.57	48.08	60.11	-12.03	QP	
3		0.3850	45.31	0.61	45.92	58.17	-12.25	QP	
4		0.5600	42.20	0.67	42.87	56.00	-13.13	QP	
5		12.8200	40.08	1.26	41.34	60.00	-18.66	QP	
6		22.2800	40.34	1.43	41.77	60.00	-18.23	QP	

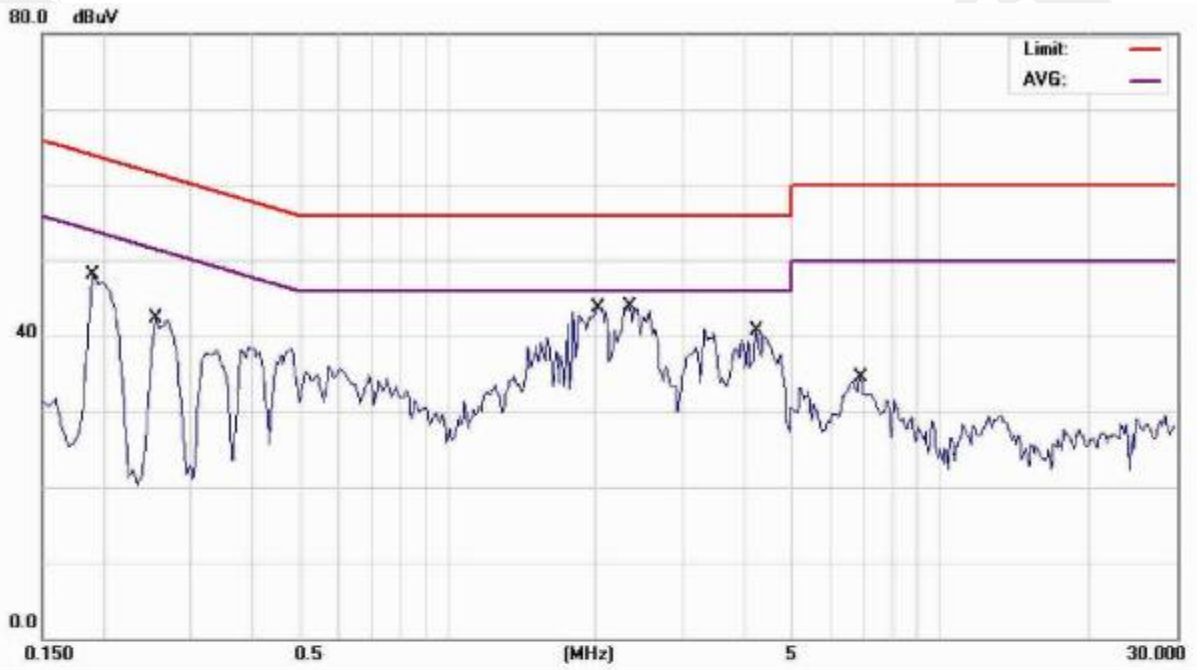


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: GSM 1900 Link Mode+USB Cable

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1850	47.81	0.50	48.31	64.26	-15.95	QP	
2	*	0.3050	47.51	0.57	48.08	60.11	-12.03	QP	
3		0.3850	45.31	0.61	45.92	58.17	-12.25	QP	
4		0.5600	42.20	0.67	42.87	56.00	-13.13	QP	
5		12.8200	40.08	1.26	41.34	60.00	-18.66	QP	
6		22.2800	40.34	1.43	41.77	60.00	-18.23	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	EGPRS 850 LINK + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason



Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 850 Link Mode+AC Adapter

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1914	47.33	0.51	47.84	63.98	-16.14	QP	
2		0.2550	41.81	0.55	42.36	61.59	-19.23	QP	
3		2.0150	42.93	0.84	43.77	56.00	-12.23	QP	
4	*	2.3450	42.95	0.86	43.81	56.00	-12.19	QP	
5		4.2350	39.70	0.98	40.68	56.00	-15.32	QP	
6		6.9000	33.47	1.06	34.53	60.00	-25.47	QP	

Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 850 Link Mode+AC Adapter

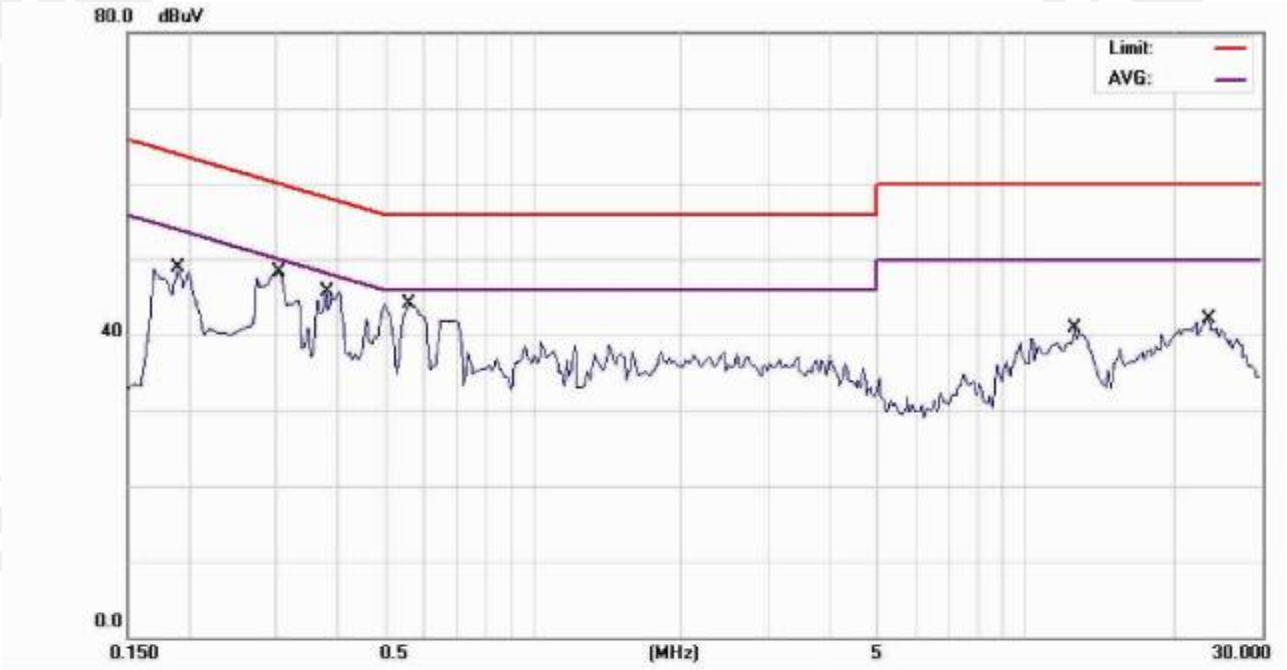
Phase: N
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1900	49.17	0.51	49.68	64.04	-14.36	QP	
2		0.2700	42.49	0.56	43.05	61.12	-18.07	QP	
3		0.3850	40.91	0.61	41.52	58.17	-16.65	QP	
4		0.6050	36.50	0.69	37.19	56.00	-18.81	QP	
5		2.0150	38.61	0.94	39.55	56.00	-16.45	QP	
6		3.7400	33.37	1.06	34.43	56.00	-21.57	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	EGPRS 850 LINK + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

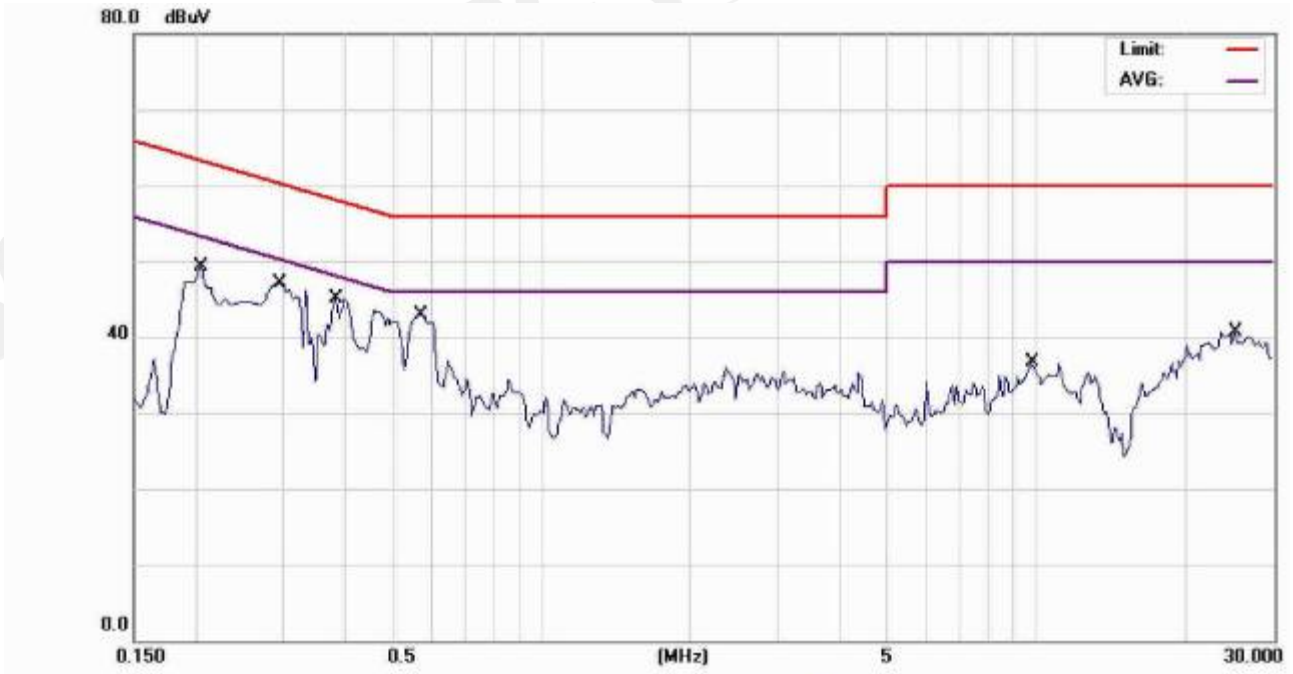


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 850 Link Mode+USB Cable

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1900	48.42	0.51	48.93	64.04	-15.11	QP	
2	*	0.3050	47.81	0.57	48.38	60.11	-11.73	QP	
3		0.3800	45.11	0.61	45.72	58.28	-12.56	QP	
4		0.5600	43.37	0.67	44.04	56.00	-11.96	QP	
5		12.6200	39.71	1.16	40.87	60.00	-19.13	QP	
6		23.5400	40.82	1.37	42.19	60.00	-17.81	QP	

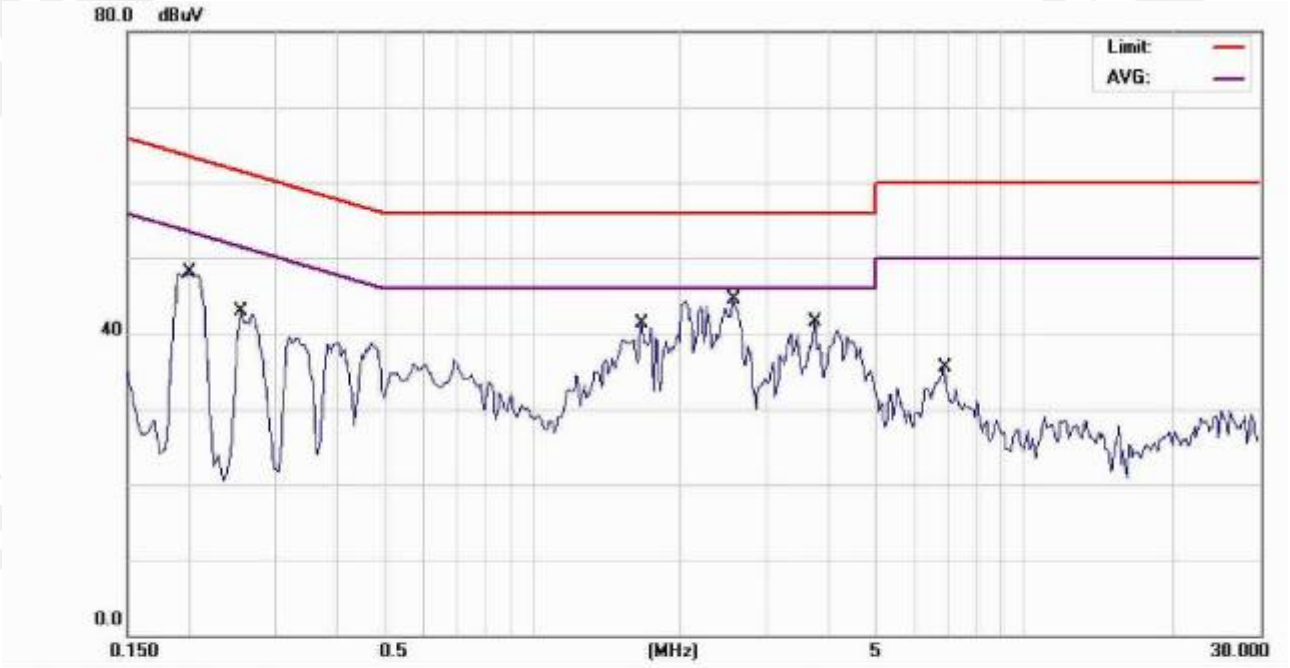


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: EGPRS 850 Link Mode+USB Cable

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2050	48.83	0.52	49.35	63.41	-14.06	QP	
2		0.2950	46.50	0.57	47.07	60.38	-13.31	QP	
3		0.3850	44.56	0.61	45.17	58.17	-13.00	QP	
4	*	0.5701	42.32	0.68	43.00	56.00	-13.00	QP	
5		9.8400	35.53	1.24	36.77	60.00	-23.23	QP	
6		25.2600	39.28	1.52	40.80	60.00	-19.20	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	EGPRS 1900 Link + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

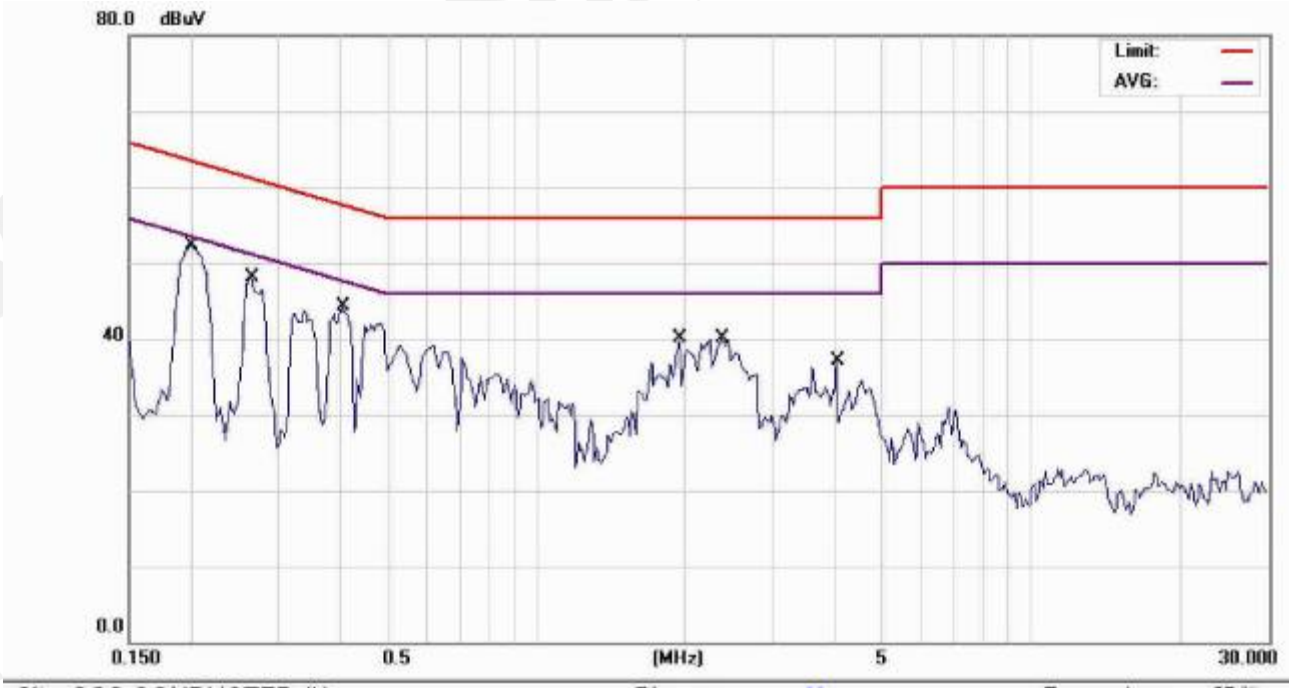


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 1900 Link Mode+AC Adapter

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2000	47.55	0.52	48.07	63.61	-15.54	QP	
2		0.2550	42.36	0.55	42.91	61.59	-18.68	QP	
3		1.6700	40.38	0.83	41.21	56.00	-14.79	QP	
4	*	2.5550	43.63	0.88	44.51	56.00	-11.49	QP	
5		3.7550	40.51	0.96	41.47	56.00	-14.53	QP	
6		6.8800	34.53	1.06	35.59	60.00	-24.41	QP	



Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 1900 Link Mode+AC Adapter

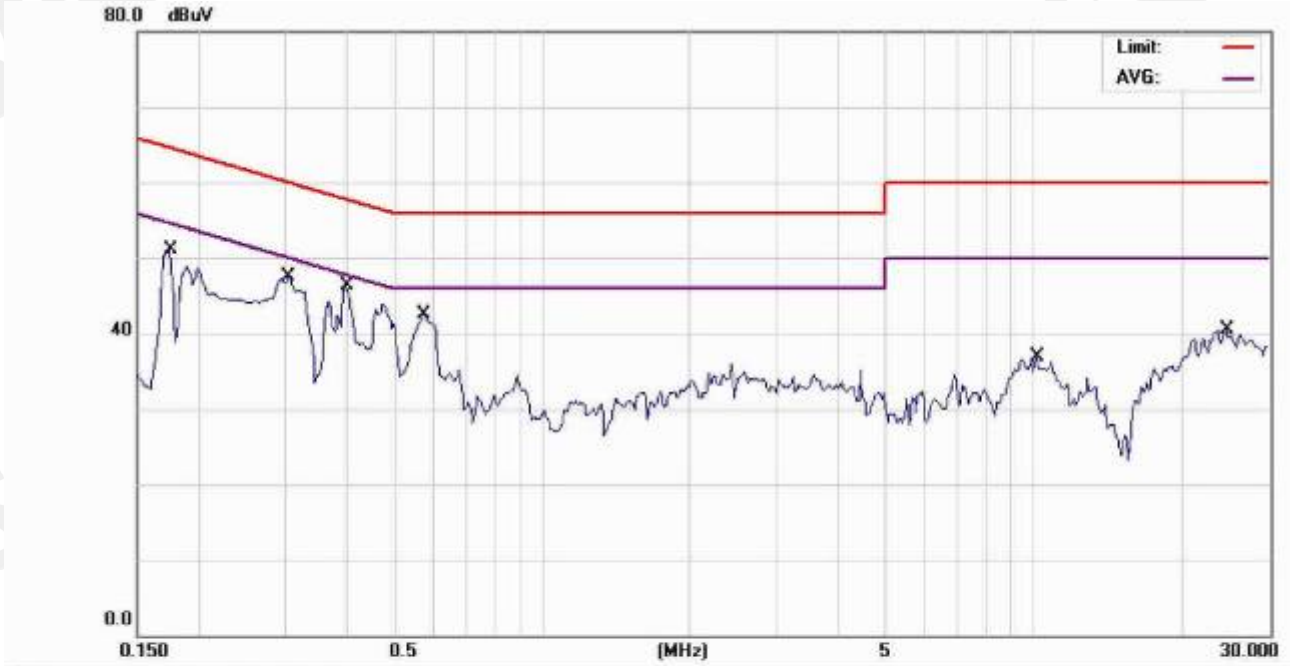
Phase: N
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.2000	51.82	0.52	52.34	63.61	-11.27	QP	
2		0.2650	47.65	0.55	48.20	61.27	-13.07	QP	
3		0.4050	43.64	0.62	44.26	57.75	-13.49	QP	
4		1.9550	39.17	0.93	40.10	56.00	-15.90	QP	
5		2.3750	39.20	0.97	40.17	56.00	-15.83	QP	
6		4.0550	36.01	1.08	37.09	56.00	-18.91	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	EGPRS 1900 Link + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

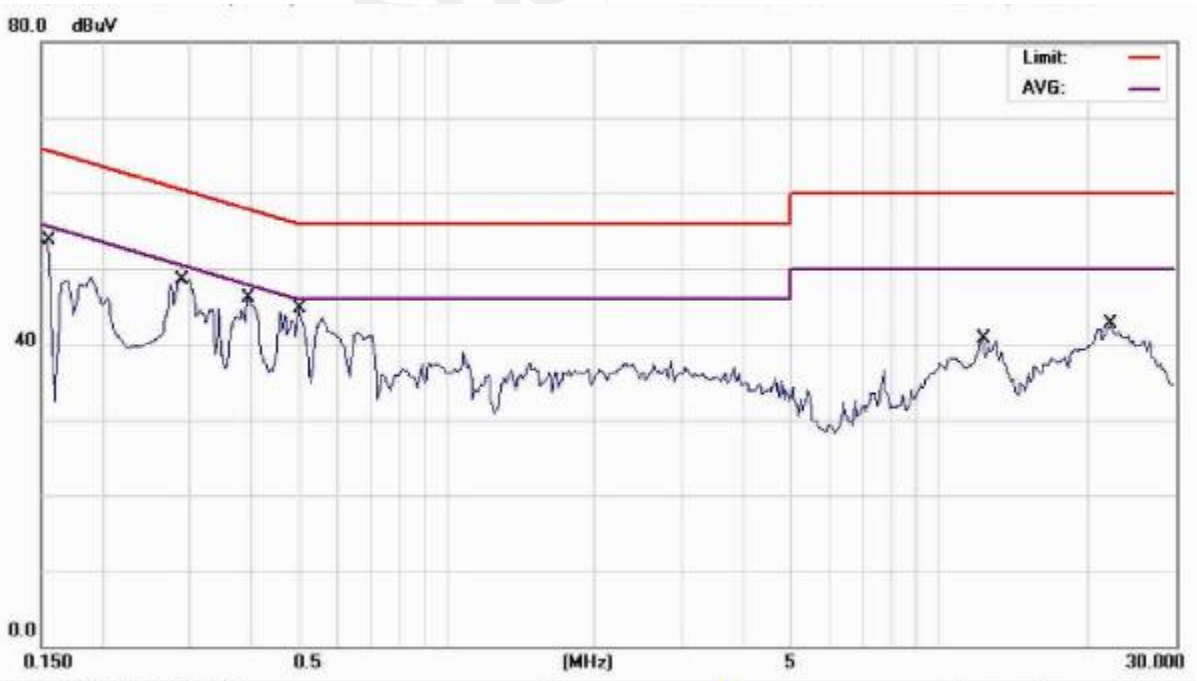


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: EGPRS 1900 Link Mode+USB Cable

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1750	50.60	0.48	51.08	64.72	-13.64	QP	
2		0.3050	46.89	0.57	47.46	60.11	-12.65	QP	
3	*	0.4000	45.74	0.62	46.36	57.85	-11.49	QP	
4		0.5750	41.85	0.68	42.53	56.00	-13.47	QP	
5		10.1600	35.69	1.14	36.83	60.00	-23.17	QP	
6		24.7400	39.18	1.40	40.58	60.00	-19.42	QP	

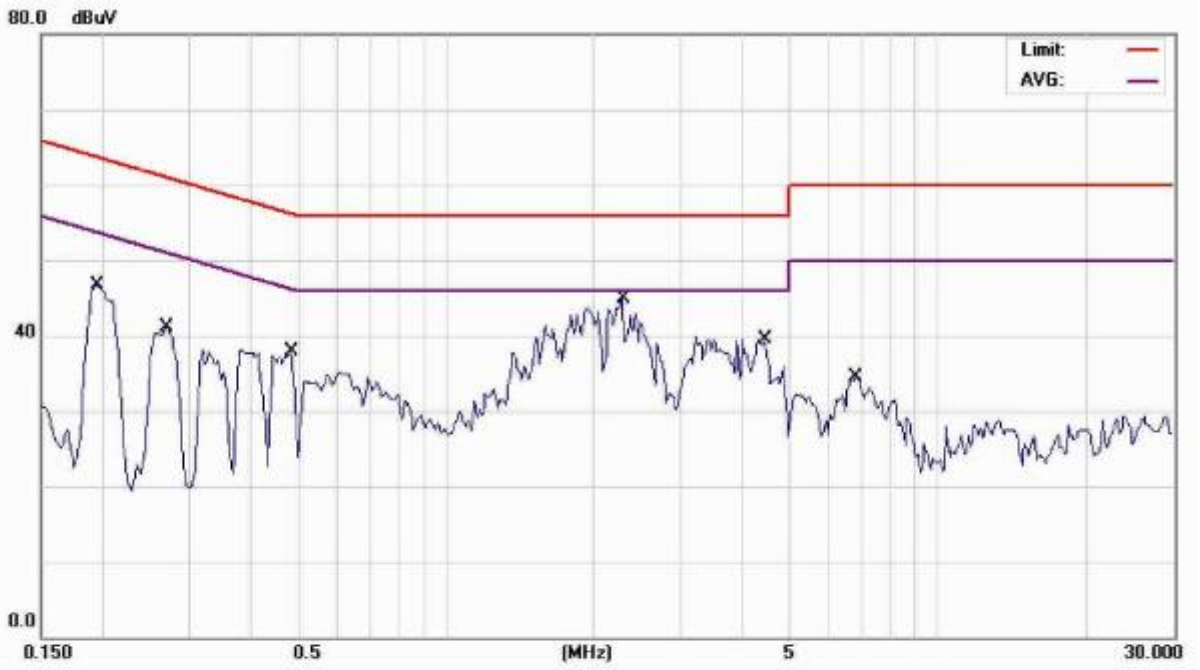


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: EGPRS 1900 Link Mode+USB Cable

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	53.33	0.46	53.79	65.73	-11.94	QP	
2		0.2900	48.04	0.56	48.60	60.52	-11.92	QP	
3		0.3950	45.44	0.62	46.06	57.96	-11.90	QP	
4	*	0.5000	44.14	0.65	44.79	56.00	-11.21	QP	
5		12.2800	39.40	1.25	40.65	60.00	-19.35	QP	
6		22.4000	41.28	1.43	42.71	60.00	-17.29	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	WCDMAII Link + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

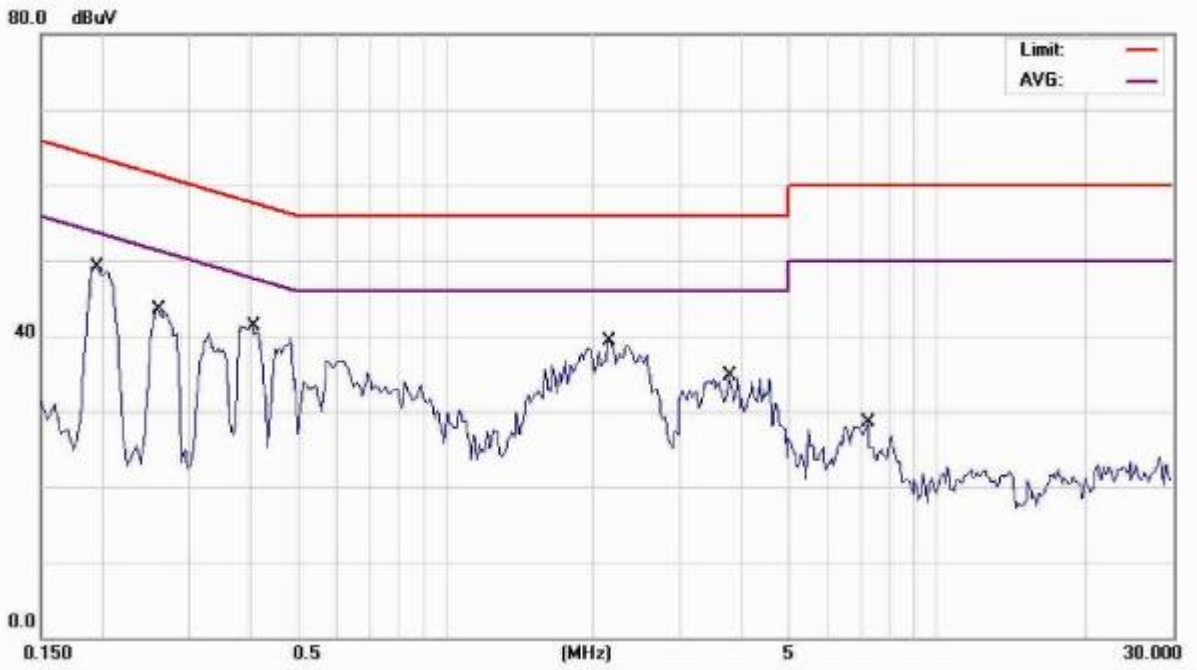


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: UMTS B2 Link Mode+AC Adapter

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1950	46.20	0.51	46.71	63.82	-17.11	QP	
2		0.2700	40.57	0.56	41.13	61.12	-19.99	QP	
3		0.4850	37.31	0.65	37.96	56.25	-18.29	QP	
4	*	2.2850	44.04	0.86	44.90	56.00	-11.10	QP	
5		4.4750	38.49	0.99	39.48	56.00	-16.52	QP	
6		6.8400	33.43	1.06	34.49	60.00	-25.51	QP	

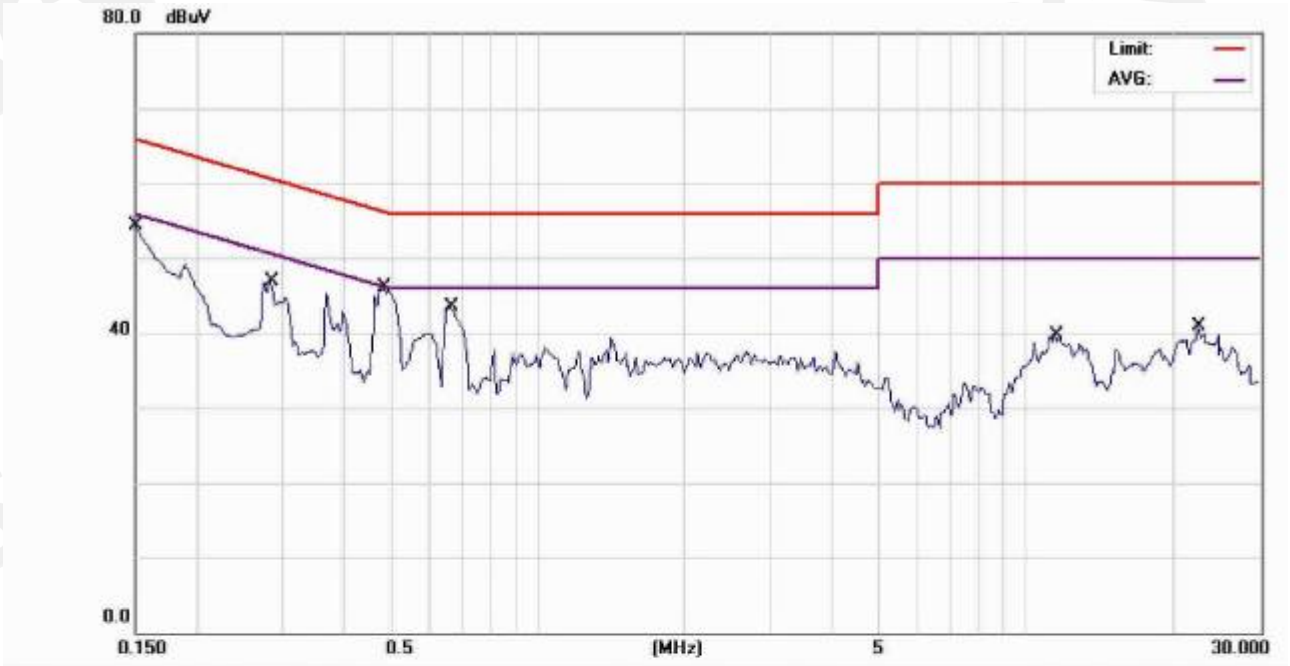


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: UMTS B2 Link Mode+AC Adapter

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1950	48.58	0.51	49.09	63.82	-14.73	QP	
2		0.2600	42.89	0.55	43.44	61.43	-17.99	QP	
3		0.4050	40.78	0.62	41.40	57.75	-16.35	QP	
4		2.1500	38.43	0.95	39.38	56.00	-16.62	QP	
5		3.7850	33.72	1.06	34.78	56.00	-21.22	QP	
6		7.2600	27.41	1.17	28.58	60.00	-31.42	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	WCDMAII Link + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

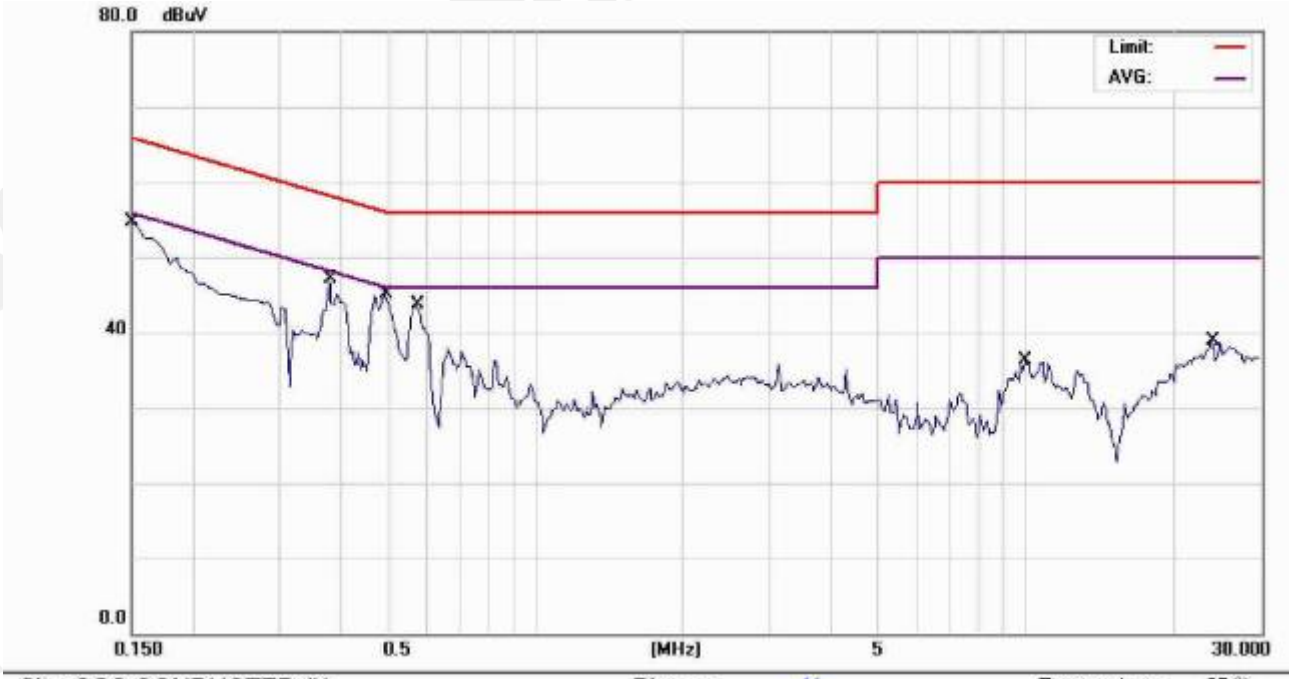


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: UMTS B2 Link Mode+USB Cable

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	53.87	0.45	54.32	66.00	-11.68	QP	
2		0.2850	46.41	0.56	46.97	60.67	-13.70	QP	
3	*	0.4850	45.10	0.65	45.75	56.25	-10.50	QP	
4		0.4850	33.60	0.65	34.25	46.25	-12.00	AVG	
5		0.6650	42.71	0.71	43.42	56.00	-12.58	QP	
6		11.5000	38.55	1.15	39.70	60.00	-20.30	QP	
7		22.5800	39.54	1.34	40.88	60.00	-19.12	QP	



Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: UMTS B2 Link Mode+USB Cable

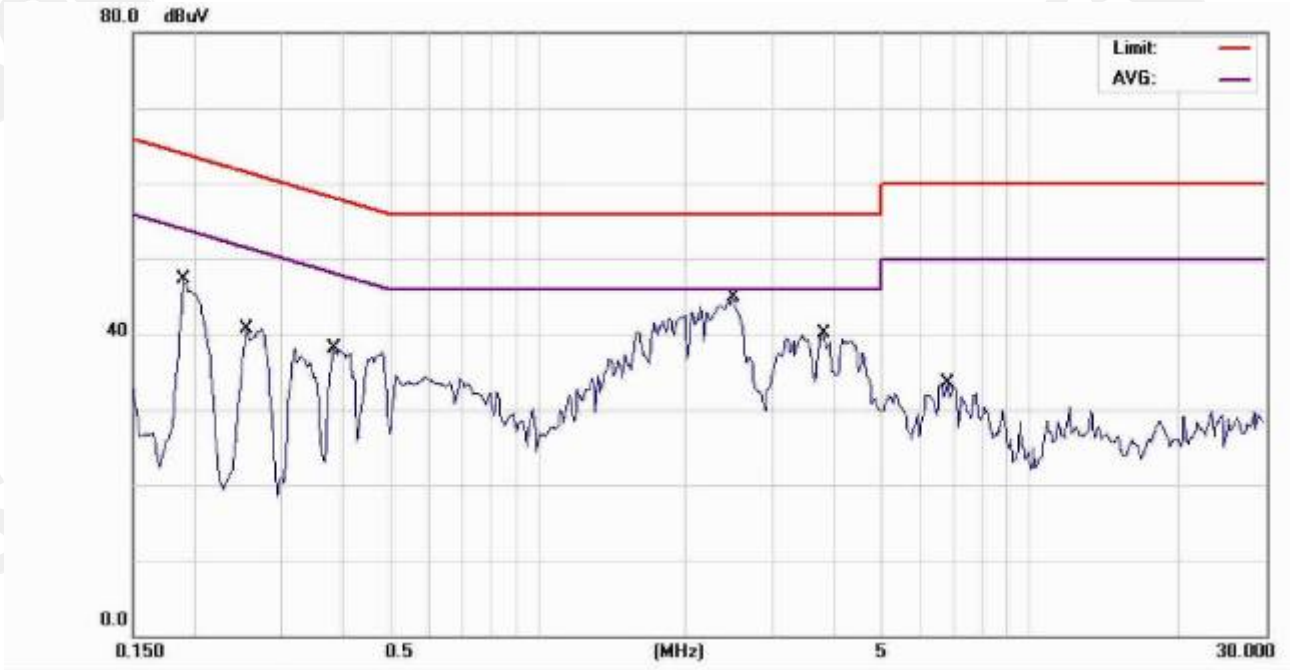
Phase: N
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	54.26	0.45	54.71	66.00	-11.29	QP	
2		0.3800	46.48	0.61	47.09	58.28	-11.19	QP	
3	*	0.4950	44.37	0.65	45.02	56.08	-11.06	QP	
4		0.5750	42.95	0.68	43.63	56.00	-12.37	QP	
5		10.0000	35.15	1.24	36.39	60.00	-23.61	QP	
6		24.0200	37.50	1.48	38.98	60.00	-21.02	QP	

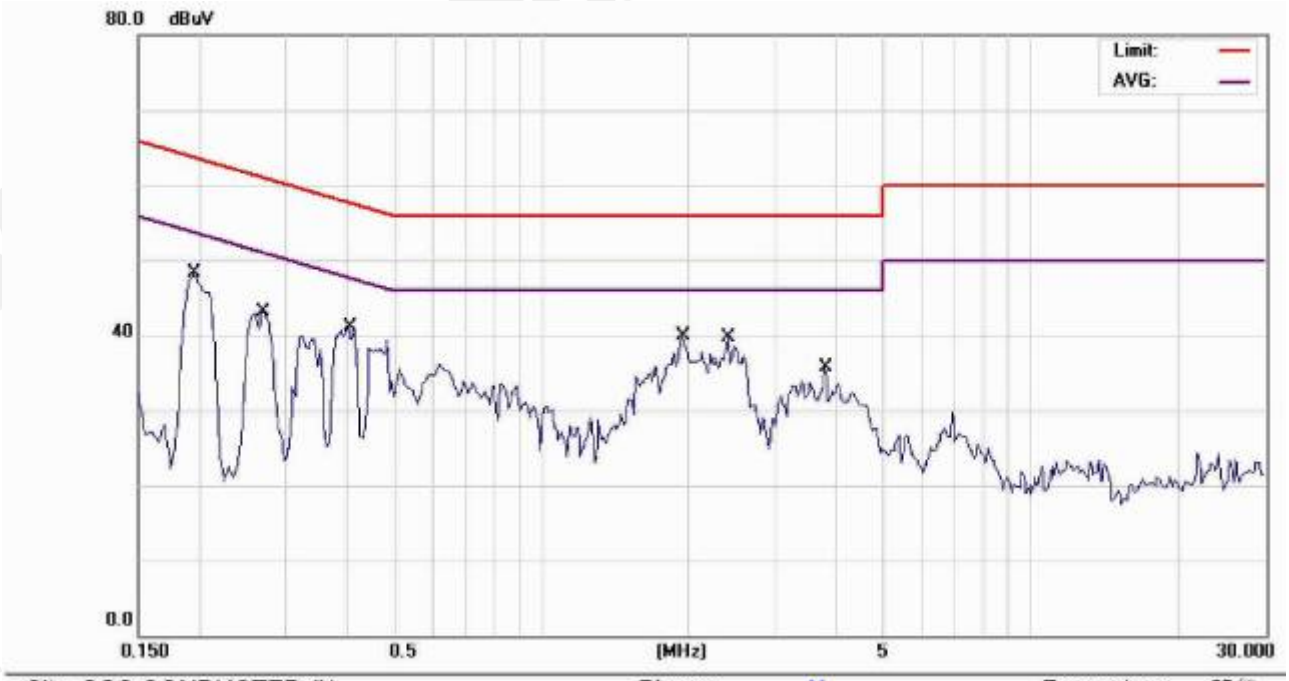
AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	WCDMAV Link + AC Adapter			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason



Site SGS CONDUCTED #1 Phase: L1 Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile Distance: Air Pressure: hpa
M/N: LF152
Note: UMTS B5 Link Mode+AC Adapter

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1900	46.70	0.51	47.21	64.04	-16.83	QP	
2		0.2550	40.24	0.55	40.79	61.59	-20.80	QP	
3		0.3850	37.40	0.61	38.01	58.17	-20.16	QP	
4	*	2.4950	44.01	0.87	44.88	56.00	-11.12	QP	
5		3.8150	39.21	0.96	40.17	56.00	-15.83	QP	
6		6.8200	32.54	1.06	33.60	60.00	-26.40	QP	

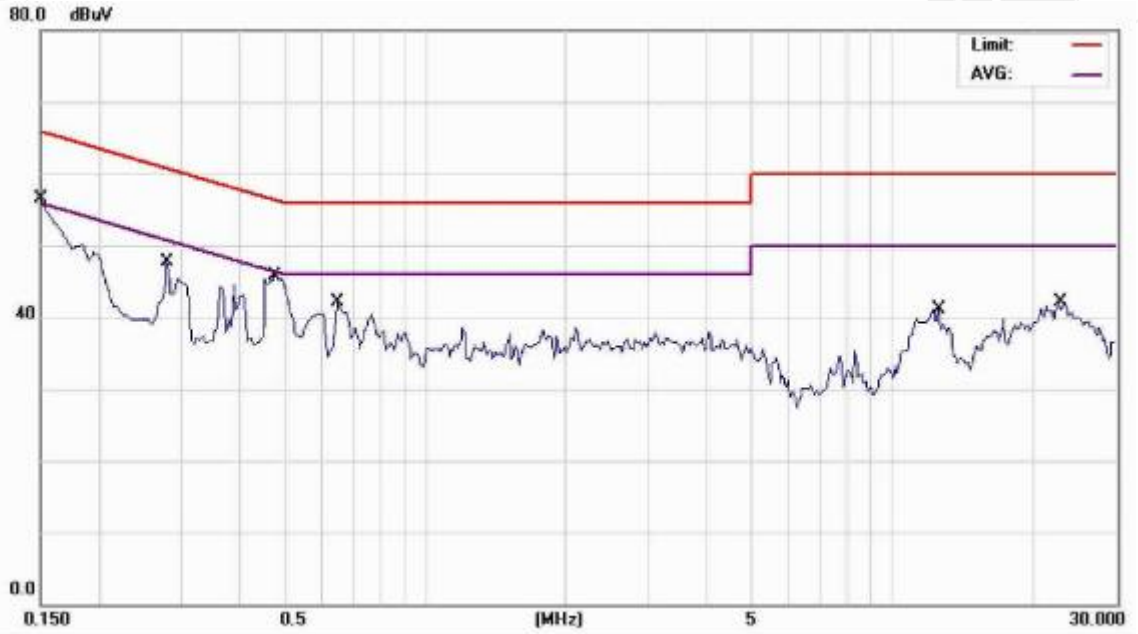


Site SGS CONDUCTED #1 | Phase: N | Temperature: 25 ℃
Limit: CISPR22 Class B Conduction(QP) | Power: AC 120V/60Hz | Humidity: 59 %
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile | Distance: | Air Pressure: hpa
M/N: LF152
Note: UMTS B5 Link Mode+AC Adapter

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1950	47.79	0.51	48.30	63.82	-15.52	QP	
2		0.2700	42.53	0.56	43.09	61.12	-18.03	QP	
3		0.4050	40.41	0.62	41.03	57.75	-16.72	QP	
4		1.9400	38.91	0.93	39.84	56.00	-16.16	QP	
5		2.4200	38.74	0.97	39.71	56.00	-16.29	QP	
6		3.8150	34.65	1.06	35.71	56.00	-20.29	QP	

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	WCDMAV Link + USB Cable			Test Date:	Dec. 10, 2007
Temperature:	25 ℃	Humidity:	59 %	Test By:	Jason

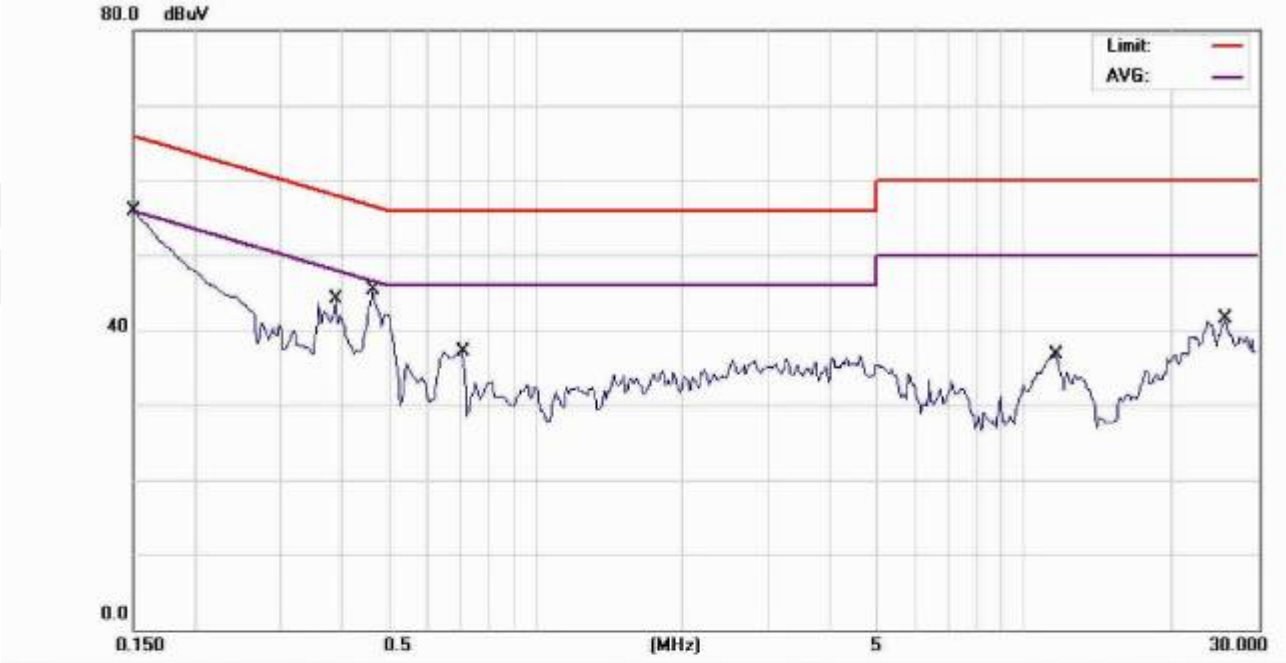


Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: UMTS B5 Link Mode+USB Cable

Phase: L1
Power: AC 120V/60Hz
Distance:

Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	52.30	0.45	52.75	66.00	-13.25	QP	
2		0.1500	32.40	0.45	32.85	56.00	-23.15	AVG	
3		0.2800	47.24	0.56	47.80	60.82	-13.02	QP	
4	*	0.4750	45.01	0.65	45.66	56.43	-10.77	QP	
5		0.4750	32.80	0.65	33.45	46.43	-12.98	AVG	
6		0.6500	41.31	0.70	42.01	56.00	-13.99	QP	
7		12.5800	39.91	1.16	41.07	60.00	-18.93	QP	
8		22.9400	40.83	1.35	42.18	60.00	-17.82	QP	



Site SGS CONDUCTED #1
Limit: CISPR22 Class B Conduction(QP)
EUT: HSDPA WCDMA/EDGE/GPRS/GSM Mobile
M/N: LF152
Note: UMTS B5 Link Mode+USB Cable

Phase: N
Power: AC 120V/60Hz
Distance:

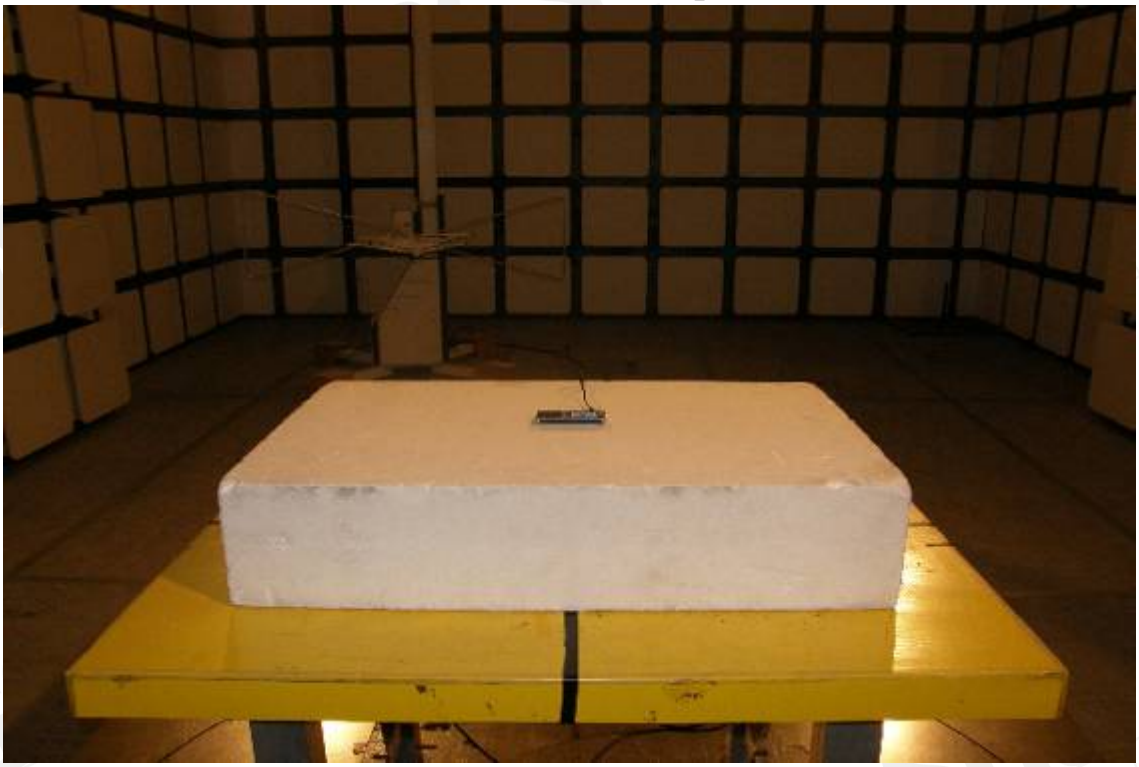
Temperature: 25 ℃
Humidity: 59 %
Air Pressure: hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	51.90	0.45	52.35	66.00	-13.65	QP	
2		0.1500	30.50	0.45	30.95	56.00	-25.05	AVG	
3		0.3900	43.57	0.61	44.18	58.06	-13.88	QP	
4	*	0.4650	44.69	0.64	45.33	56.60	-11.27	QP	
5		0.7100	36.37	0.72	37.09	56.00	-18.91	QP	
6		11.6600	35.51	1.25	36.76	60.00	-23.24	QP	
7		25.9800	39.98	1.56	41.54	60.00	-18.46	QP	

APPENDIX 1

PHOTOGRPHS OF SET UP

Radiated Emission Set up Photos



Conducted Emission Set up Photo

APPENDIX 2

PHOTOGRPHS OF EUT

All of EUT

Front View of EUT

Back View of EUT

Side View of EUT – 1

Side View of EUT – 2

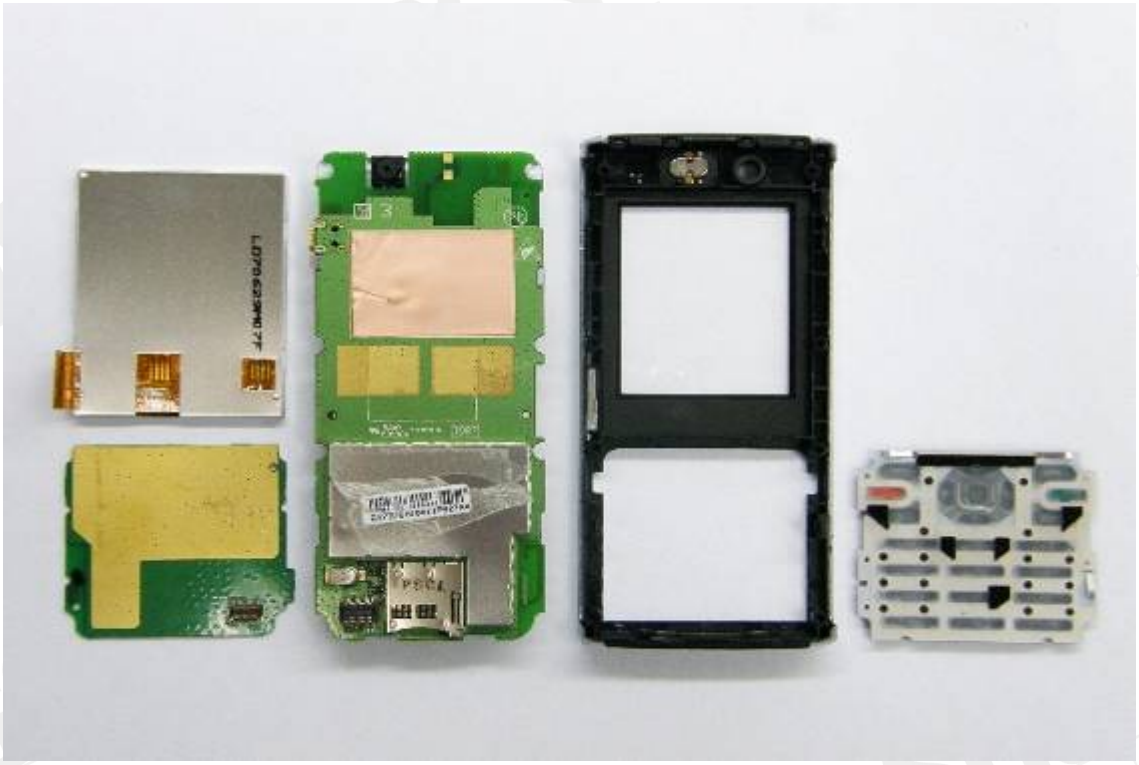
Adaptor

Battery

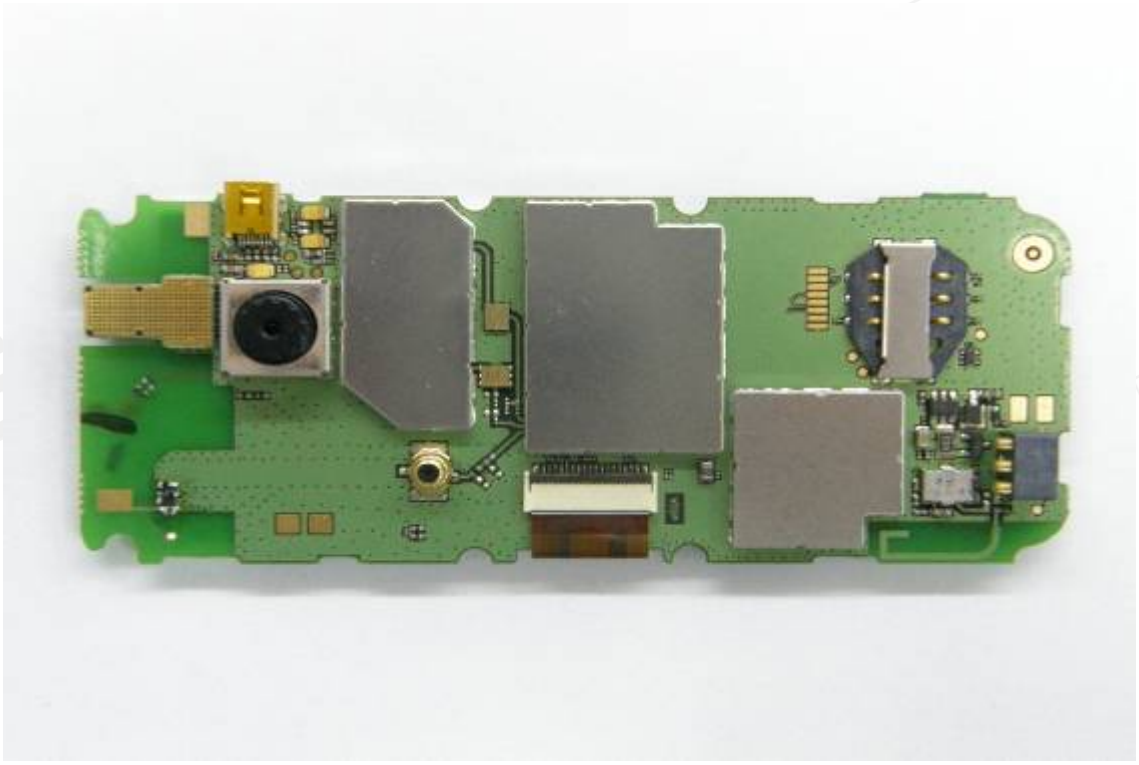
Open View of EUT – 1

Open View of EUT – 2

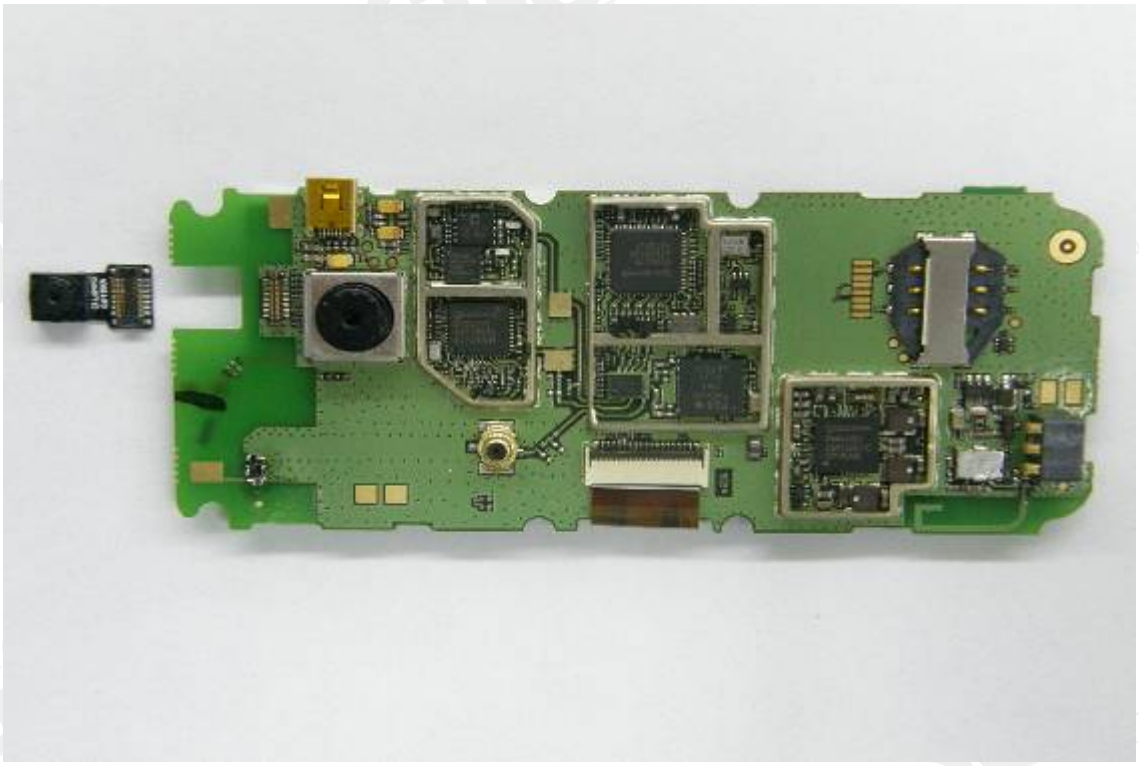
Open View of EUT – 3



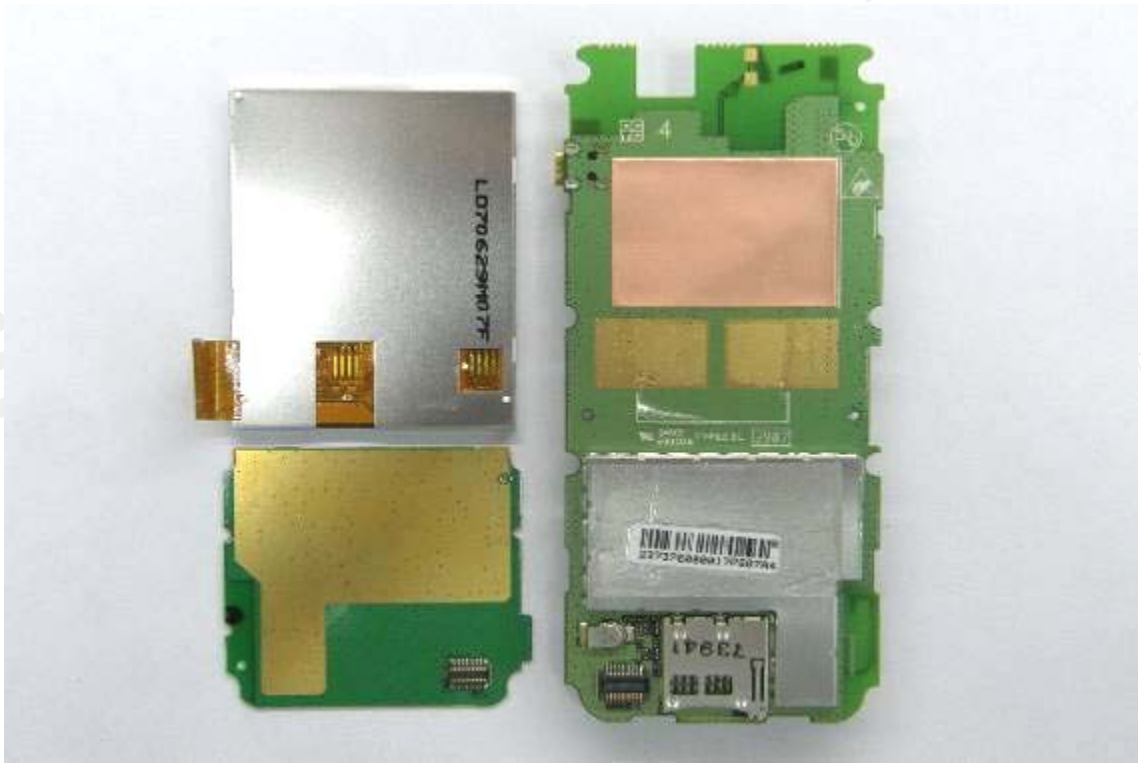
Internal of EUT – 1



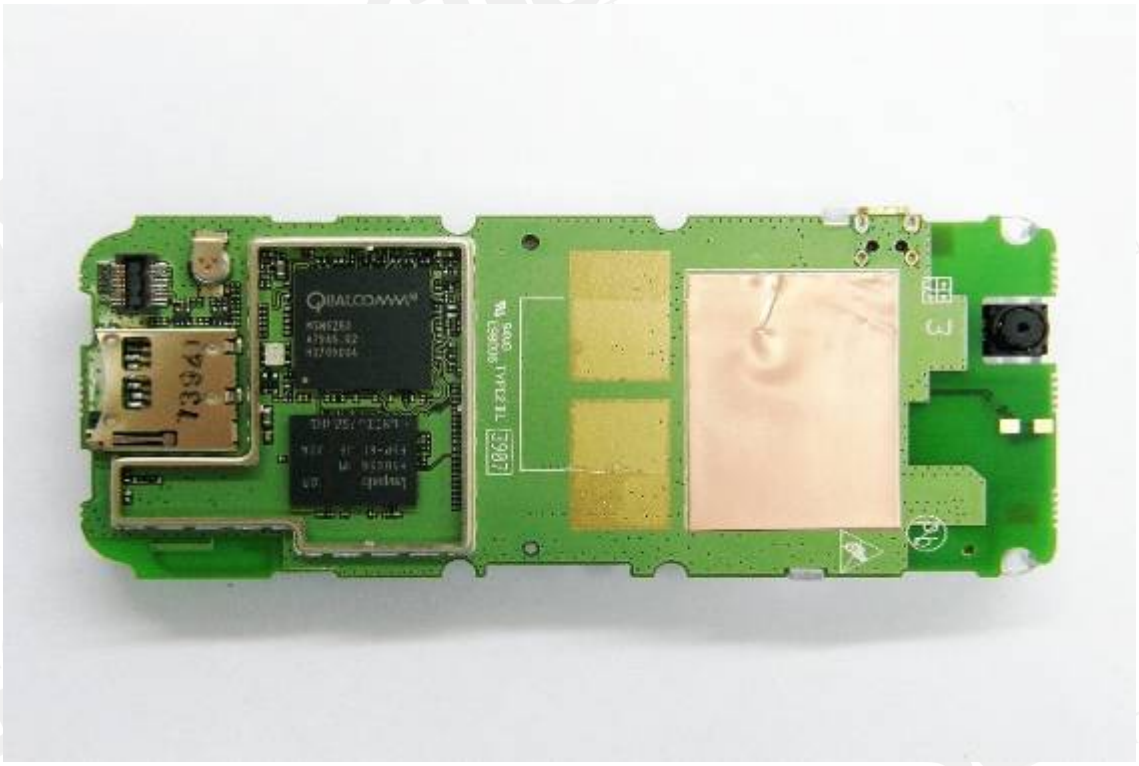
Internal of EUT – 2



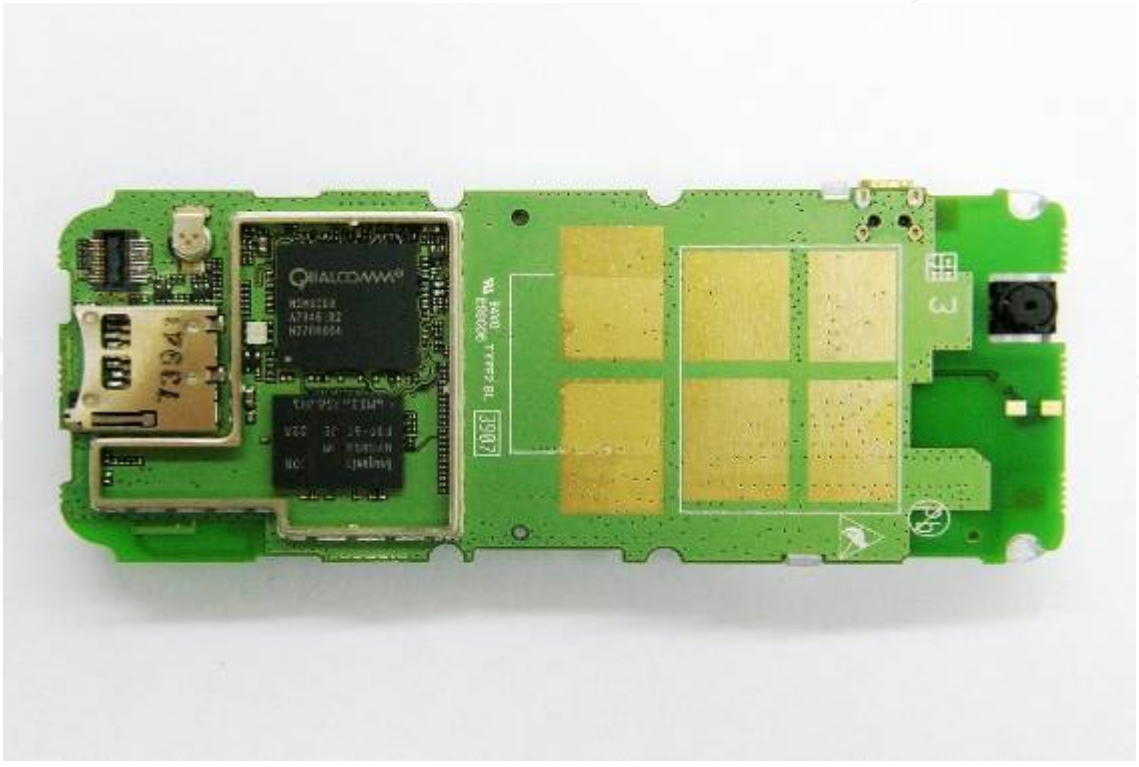
Internal of EUT – 3



Internal of EUT – 4



Internal of EUT – 5



~ End of Report ~