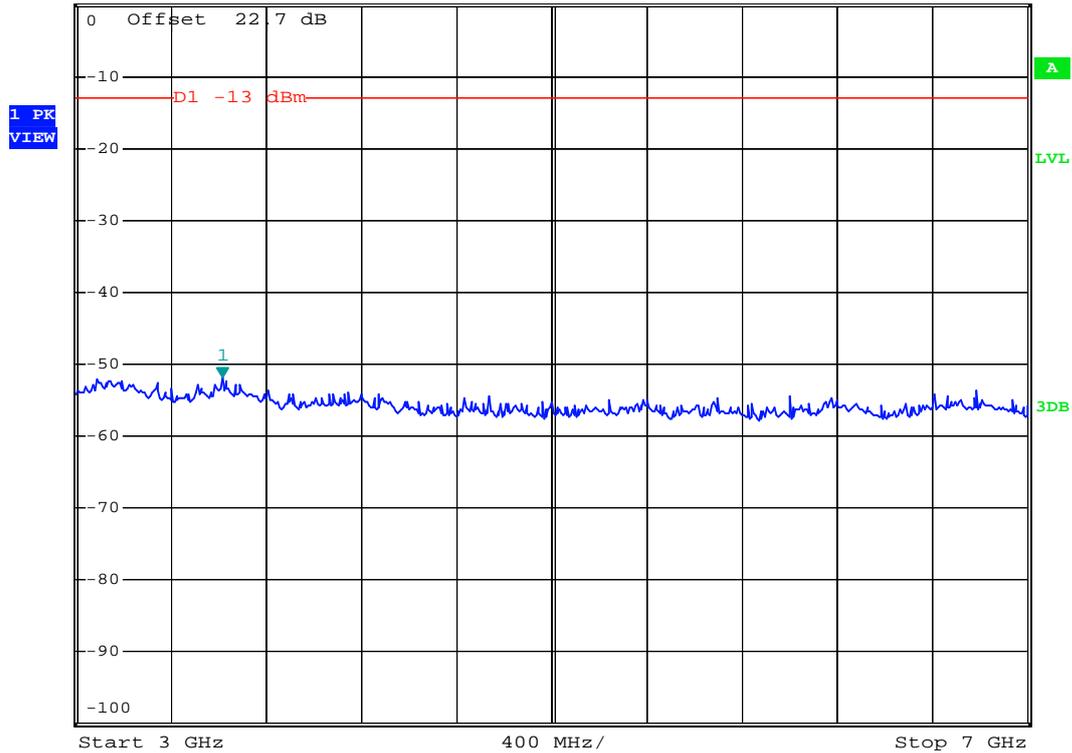




- Test Mode : WCDMA Band V CH4182
- Frequency Range : 3G-7G



Ref 0 dBm *Att 0 dB *RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -51.79 dBm
 *SWT 500 ms 3.616000000 GHz



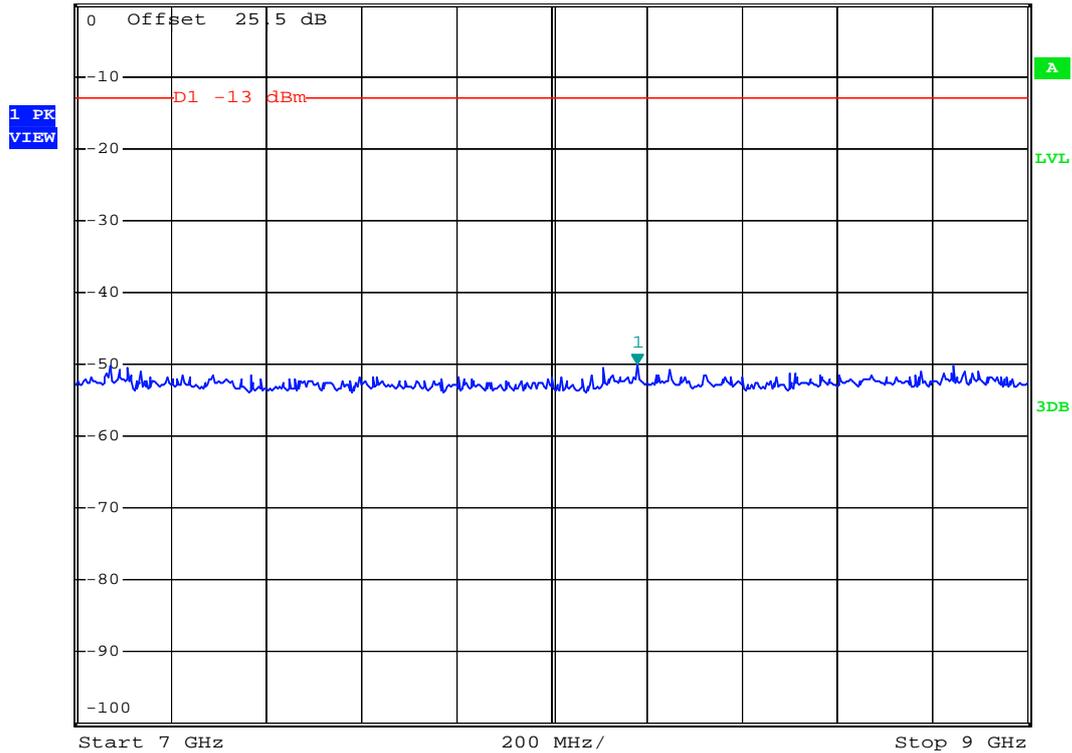
Date: 10.MAR.2008 15:15:37



- Test Mode : WCDMA Band V CH4182
- Frequency Range : 7G-9G



Ref 0 dBm *Att 0 dB *RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -50.09 dBm
 *SWT 500 ms 8.180000000 GHz

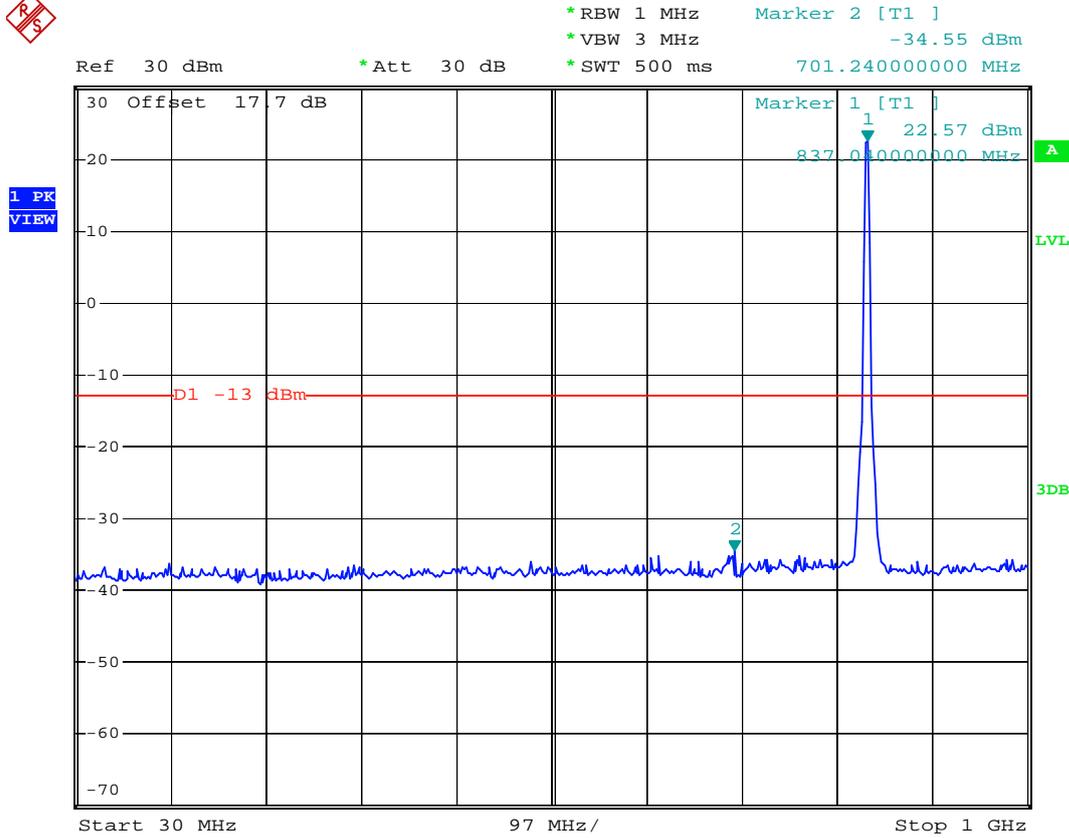


Date: 10.MAR.2008 15:14:39



<Model : ZX1>

- Mode 6
- Test Mode : WCDMA Band V (HSDPA) CH4182
- Frequency Range : 30M-1G



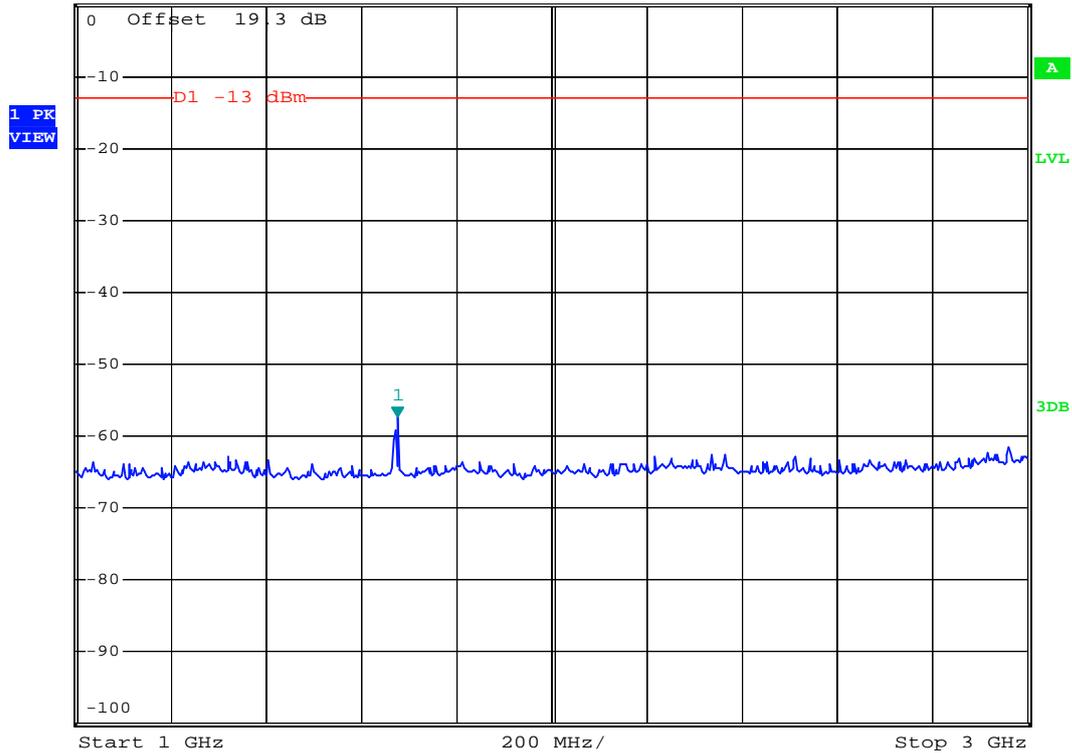
Date: 15.MAR.2008 18:56:21



- Test Mode : WCDMA Band V (HSDPA) CH4182
- Frequency Range : 1G-3G



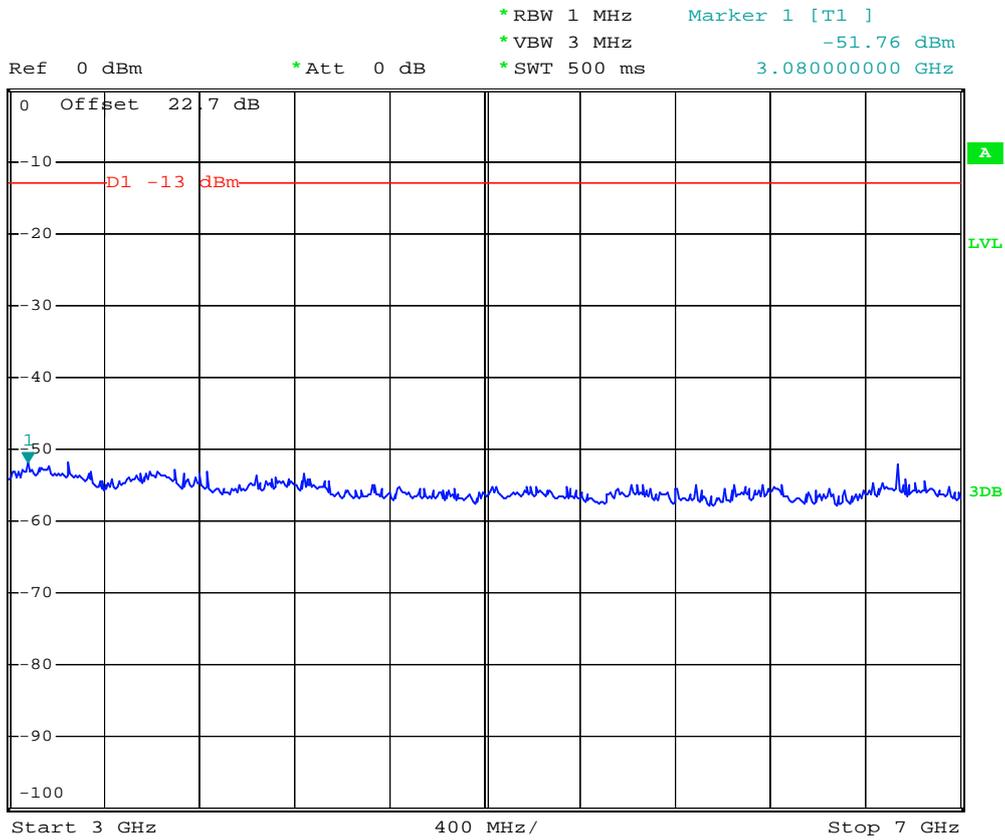
Ref 0 dBm *Att 0 dB *RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -57.46 dBm
*SWT 500 ms 1.676000000 GHz



Date: 10.MAR.2008 15:09:46



- Test Mode : WCDMA Band V (HSDPA) CH4182
- Frequency Range : 3G-7G



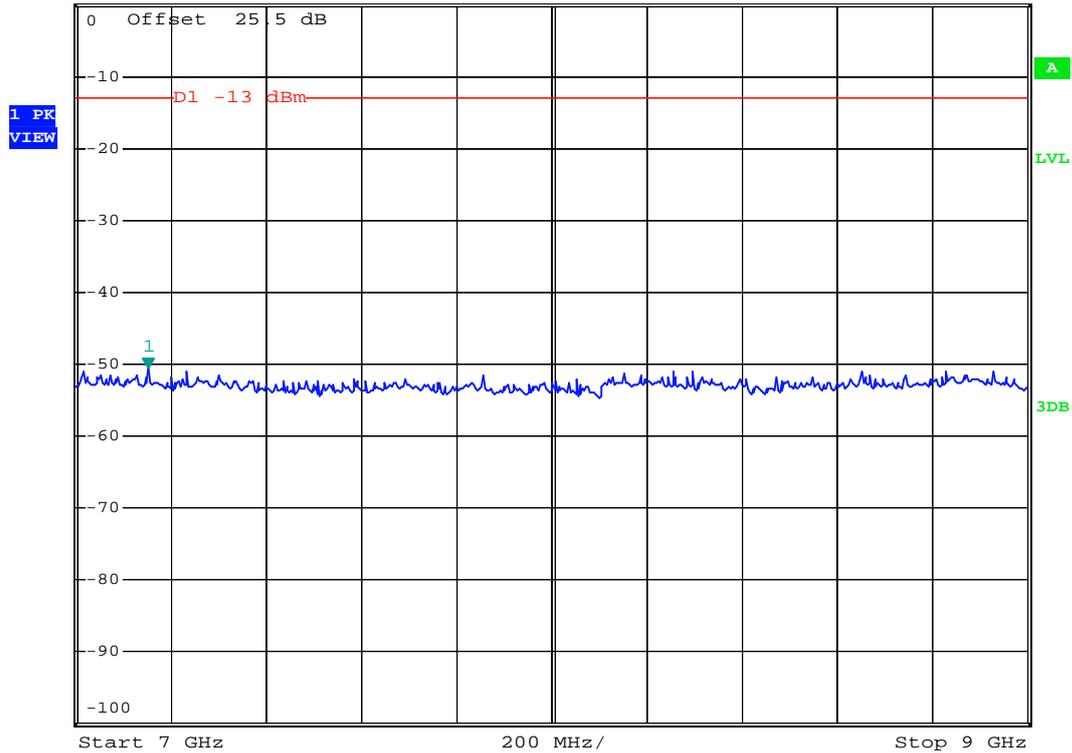
Date: 10.MAR.2008 15:10:31



- Test Mode : WCDMA Band V (HSDPA) CH4182
- Frequency Range : 7G-9G



Ref 0 dBm *Att 0 dB *RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -50.63 dBm
*SWT 500 ms 7.152000000 GHz



Date: 10.MAR.2008 15:11:08

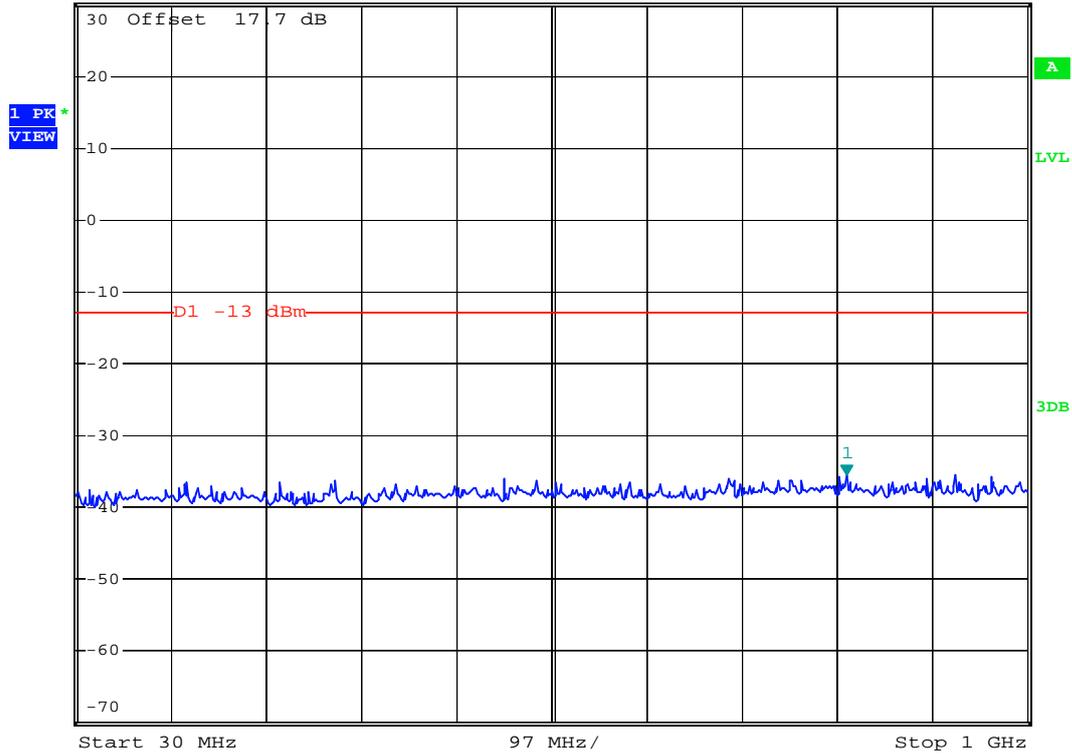


<Model : ZX1>

- Mode 7
- Test Mode : WCDMA Band II CH9400
- Frequency Range : 30M-1G



Ref 30 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -35.50 dBm
 *SWT 500 ms 815.70000000 MHz



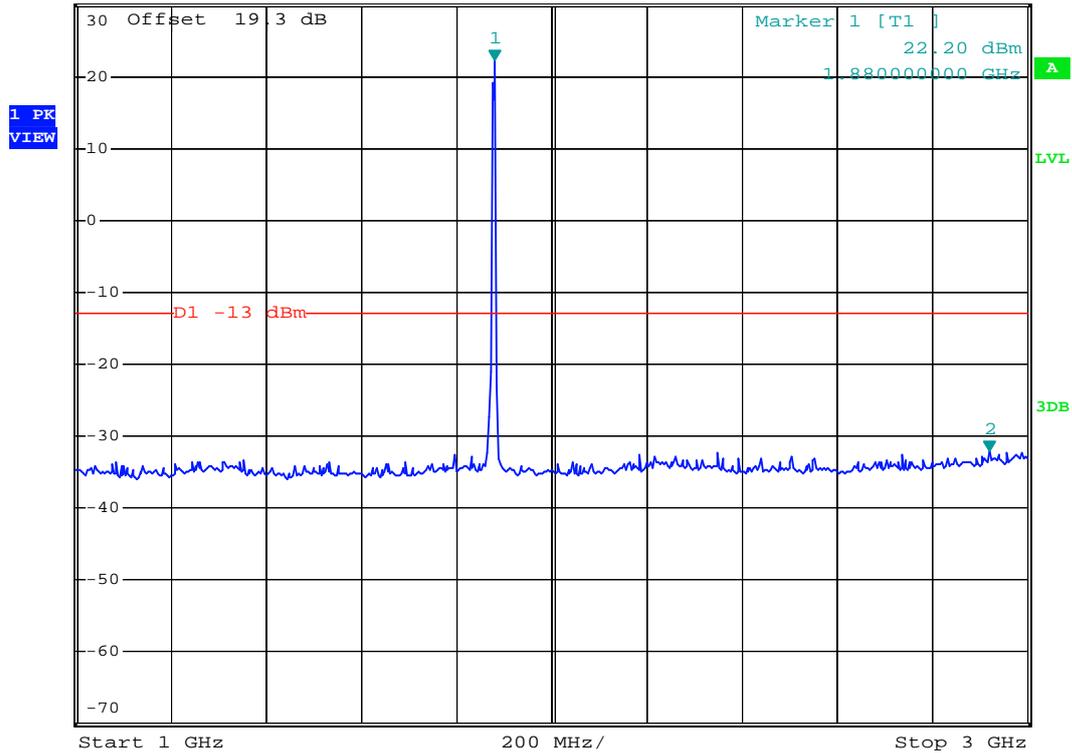
Date: 10.MAR.2008 14:44:38



- Test Mode : WCDMA Band II CH9400
- Frequency Range : 1G-3G



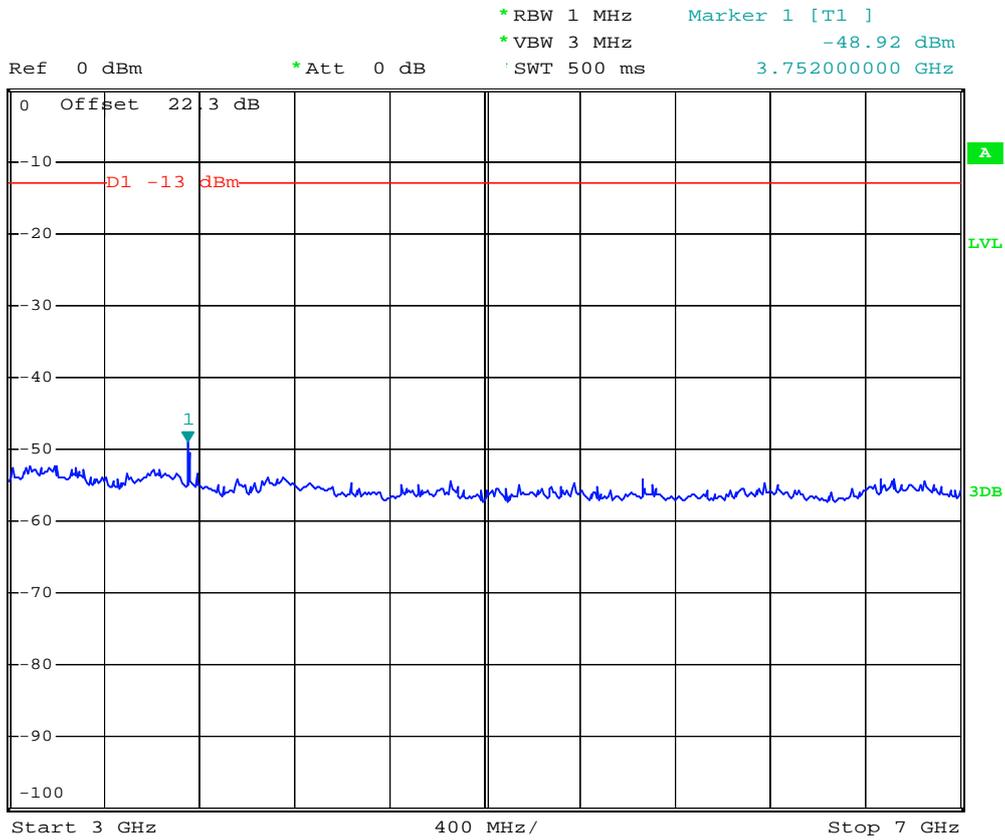
Ref 30 dBm *Att 30 dB *RBW 1 MHz Marker 2 [T1]
 *VBW 3 MHz -32.08 dBm
 *SWT 500 ms 2.920000000 GHz



Date: 15.MAR.2008 19:18:35



- Test Mode : WCDMA Band II CH9400
- Frequency Range : 3G-7G



Date: 10.MAR.2008 14:32:51



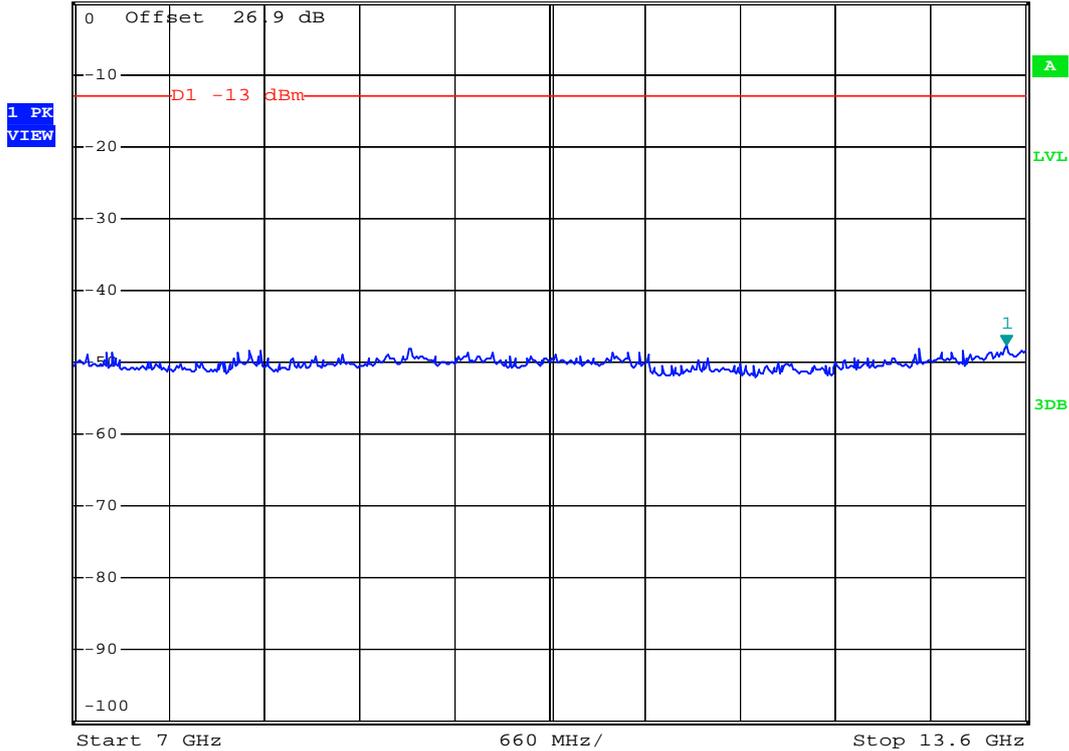
- Test Mode : WCDMA Band II CH9400
- Frequency Range : 7G-13.6G



*RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -47.71 dBm
 *SWT 500 ms 13.468000000 GHz

Ref 0 dBm

*Att 0 dB



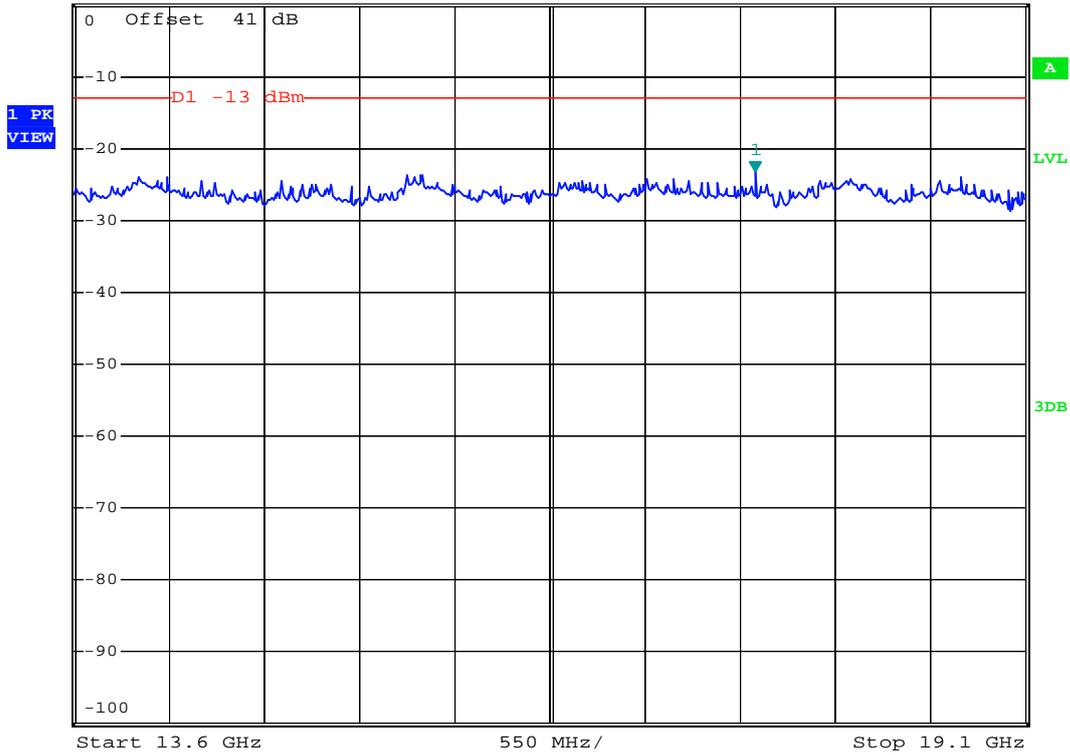
Date: 10.MAR.2008 14:34:09



- Test Mode : WCDMA Band II CH9400
- Frequency Range : 13.6G-19.1G



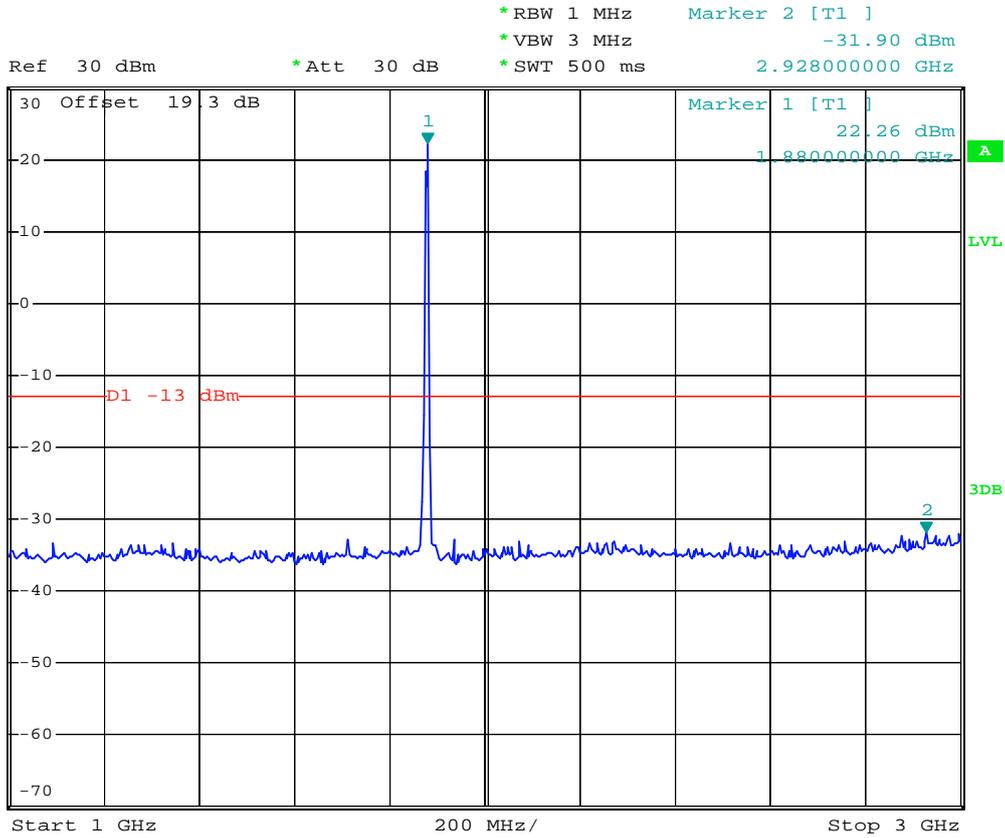
Ref 0 dBm *Att 0 dB *RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -23.15 dBm
 *SWT 500 ms 17.538000000 GHz



Date: 10.MAR.2008 14:35:02



- Test Mode : WCDMA Band II (HSDPA) CH9400
- Frequency Range : 1G-3G



Date: 15.MAR.2008 19:17:35



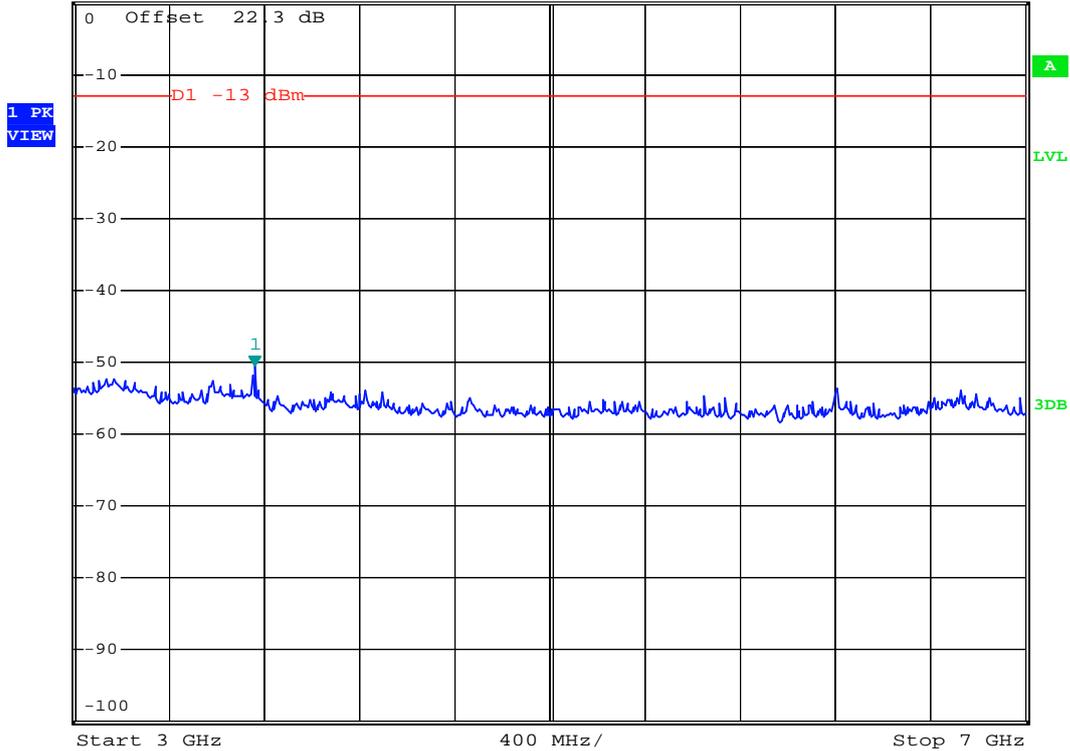
- Test Mode : WCDMA Band II (HSDPA) CH9400
- Frequency Range : 3G-7G



*RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -50.47 dBm
 *SWT 500 ms 3.760000000 GHz

Ref 0 dBm

*Att 0 dB



Date: 10.MAR.2008 14:48:17



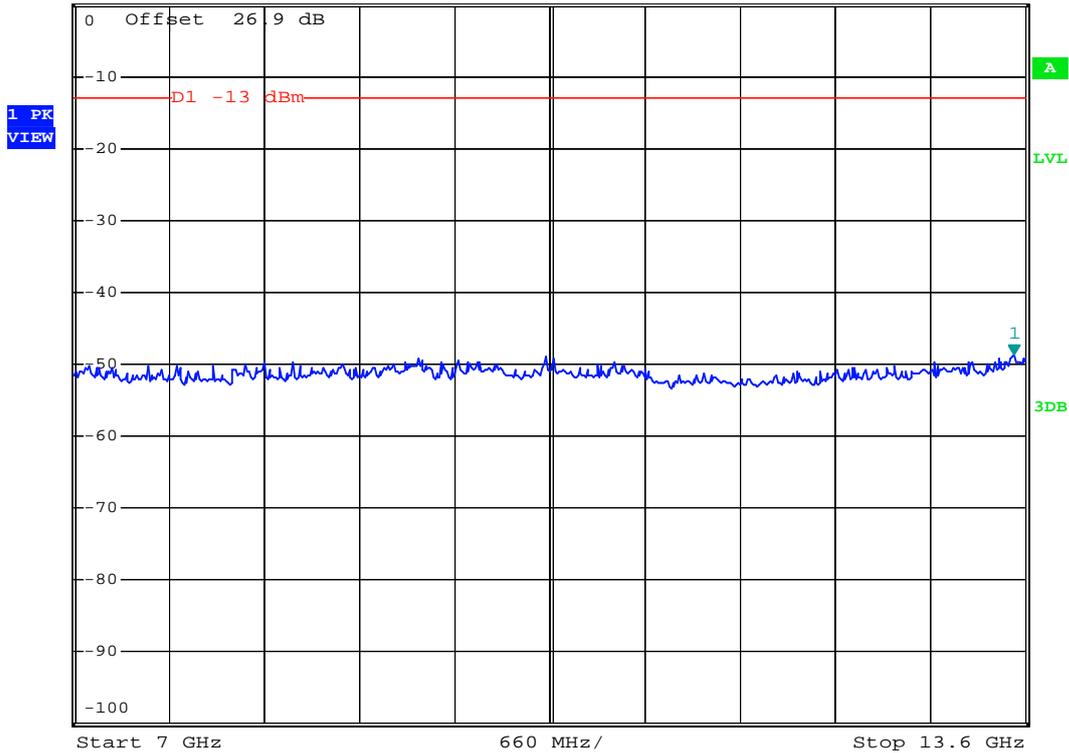
- Test Mode : WCDMA Band II (HSDPA) CH9400
- Frequency Range : 7G-13.6G



*RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz -48.78 dBm
 *SWT 500 ms 13.520800000 GHz

Ref 0 dBm

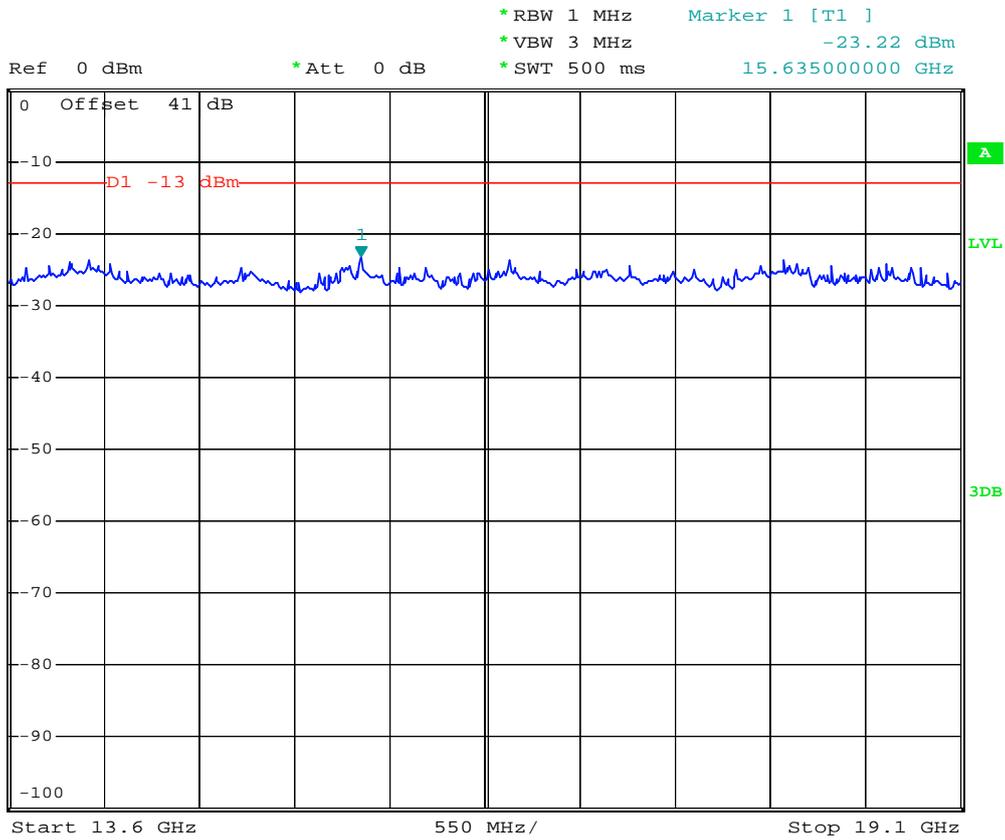
*Att 0 dB



Date: 10.MAR.2008 14:48:58



- Test Mode : WCDMA Band II (HSDPA) CH9400
- Frequency Range : 13.6G-19.1G



Date: 10.MAR.2008 14:49:41



4.6 Field Strength of Spurious Radiation

Equivalent isotropic radiated Power Measurements by substitution method according to ANSI/TIA/EIA-603-C.

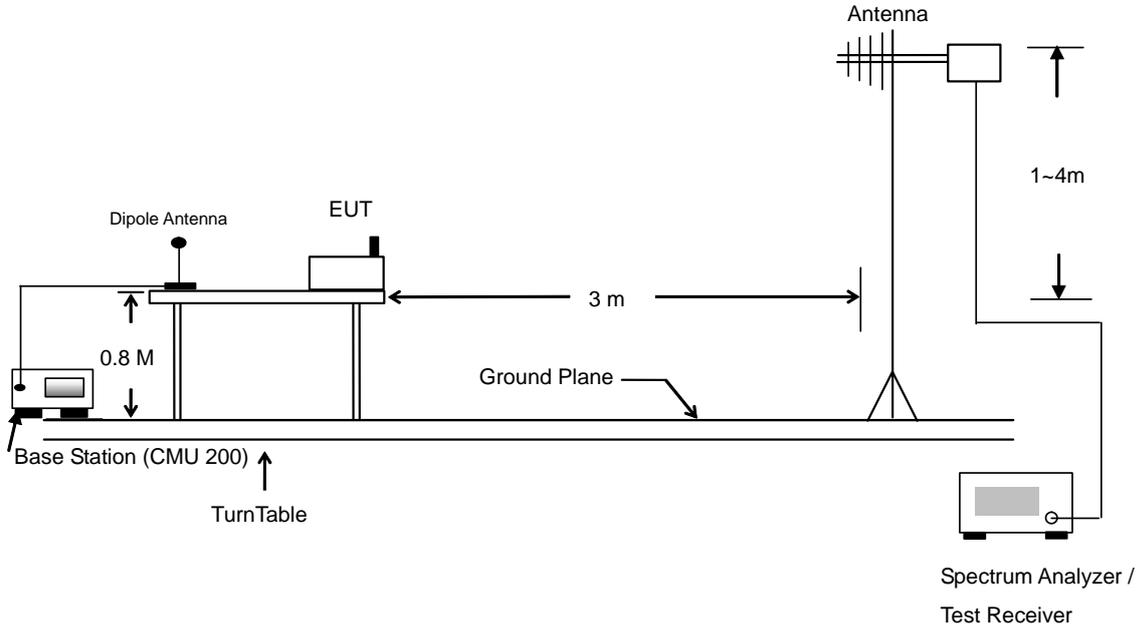
4.6.1 Measurement Instruments

As described in chapter 5 of this test report.

4.6.2 Test Procedure

1. The EUT was placed on a rotatable wooden table with 0.8 meter about ground.
2. The EUT was set 3 meters from the receiving antenna which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to reach the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A Horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Emission level (dBm) = output power + substitution Gain.

4.6.3 Test Setup Layout

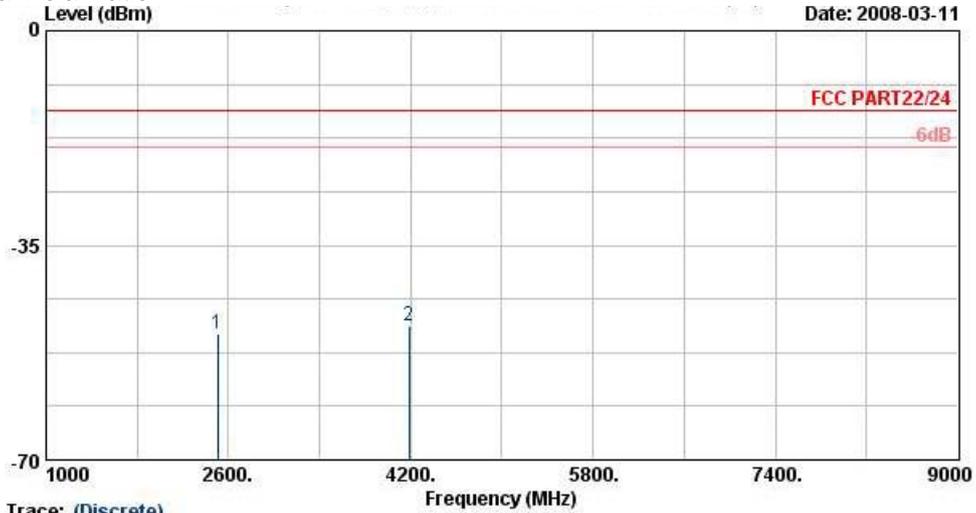




4.6.4 Test Data

<Model : ZX1>

- Mode 1
- Horizontal Polarization



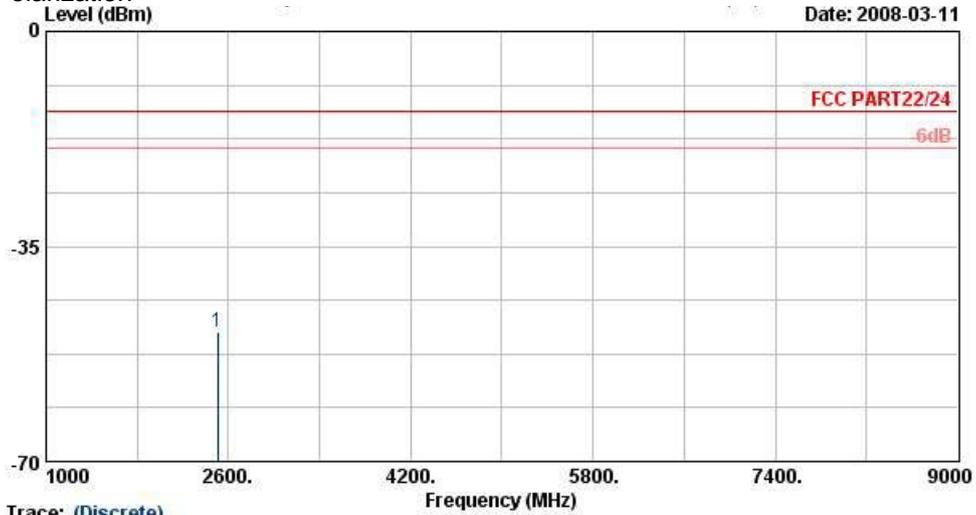
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : GSM 850 Link ; Ch189 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-49.50	-13	-54.46	-49.56	3.71	5.92	H	Pass
4182	-48.05	-13	-57.96	-50.46	3.01	7.57	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : GSM 850 Link ; Ch189 + Adaptor
 Plane : E1
 IMEI : 000000000000000

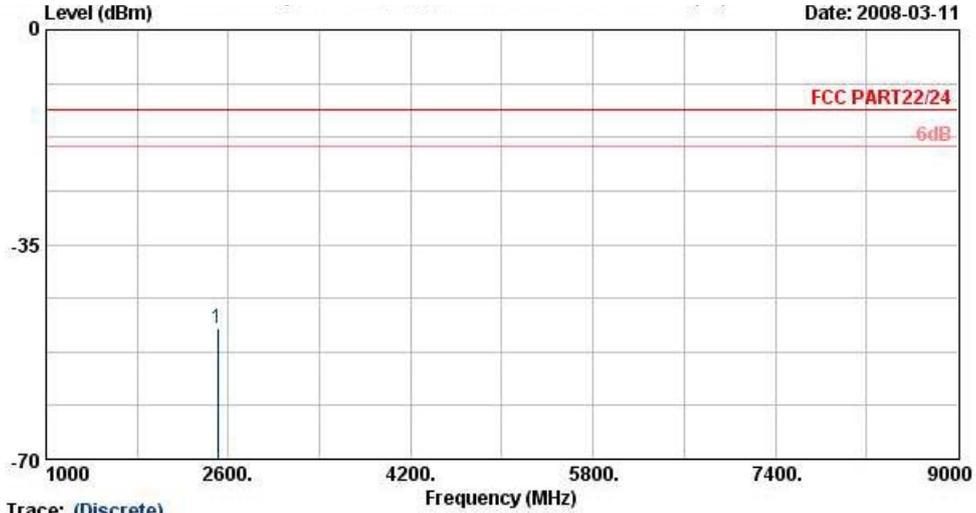
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-48.86	-13	-52.53	-48.72	3.71	5.72	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : ZX1>

- Mode 2
- Horizontal Polarization



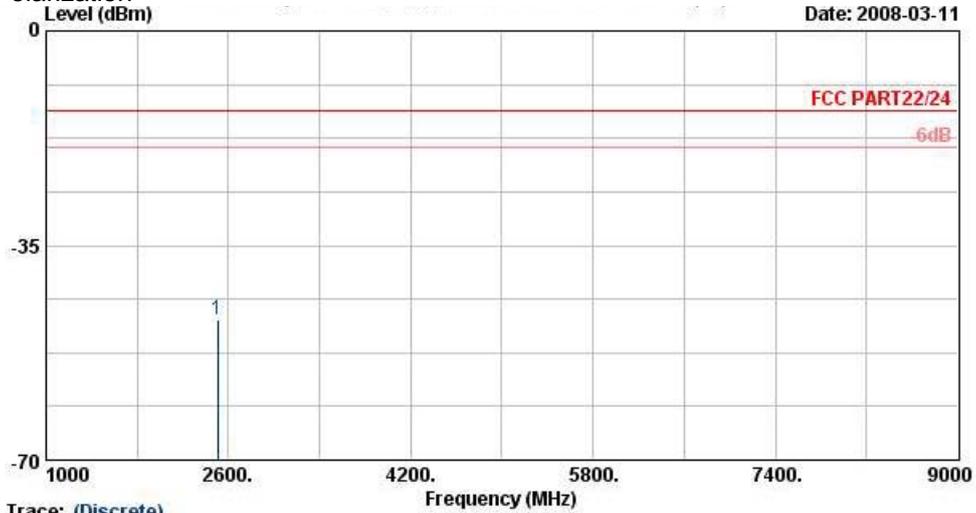
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : EDGE Link ; Ch189 + Adaptor
 Plane : E1
 IMEI : 000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-48.69	-13	-52.49	-48.75	3.71	5.92	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Date: 2008-03-11

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : EDGE Link ; Ch189 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

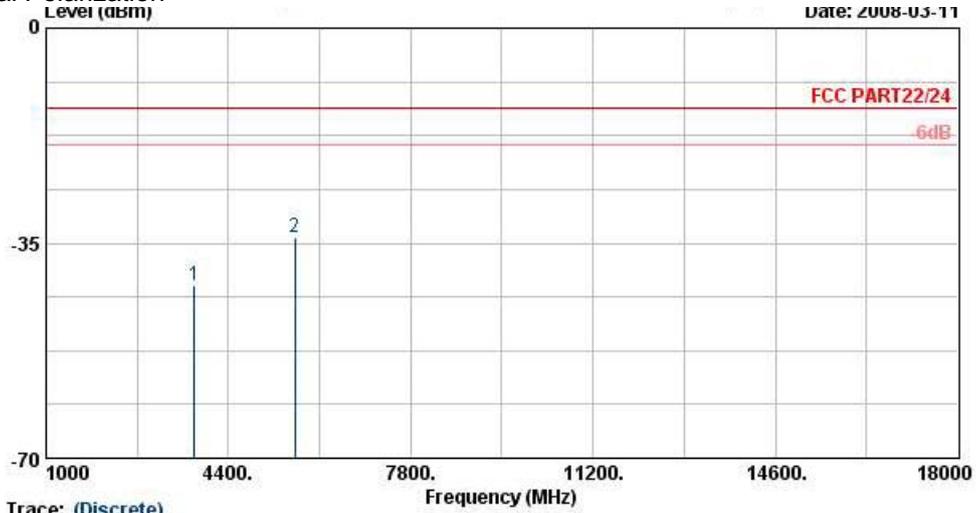
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-47.08	-13	-50.65	-46.94	3.71	5.72	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : ZX1>

- Mode 3
- Horizontal Polarization



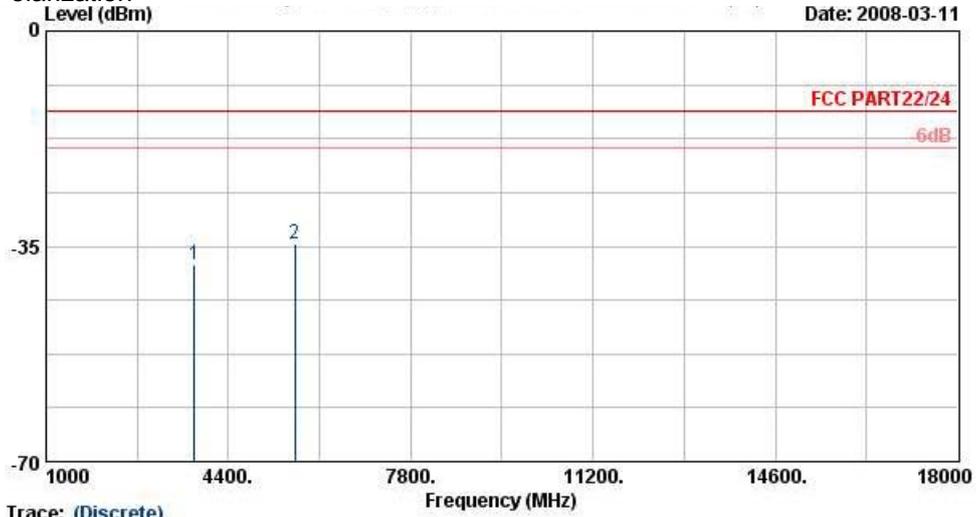
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : PCS1900 Link ; Ch561 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-41.83	-13	-56.93	-48.9	4.03	11.1	H	Pass
5636	-34.21	-13	-54.58	-40.9	3.87	10.56	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : PCS1900 Link ; Ch661 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

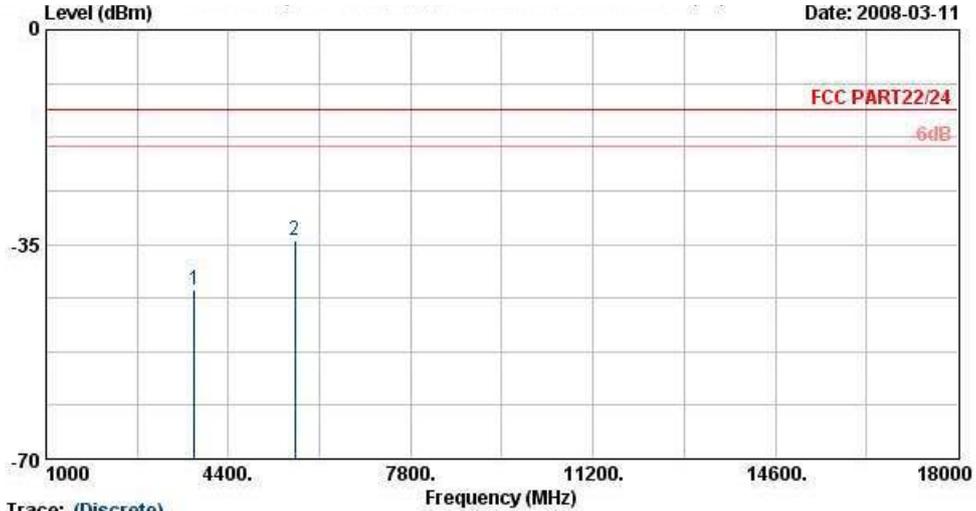
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-38.06	-13	-53.83	-45.13	4.03	11.1	V	Pass
5636	-34.64	-13	-53.37	-41.33	3.87	10.56	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : ZX1>

- Mode 4
- Horizontal Polarization

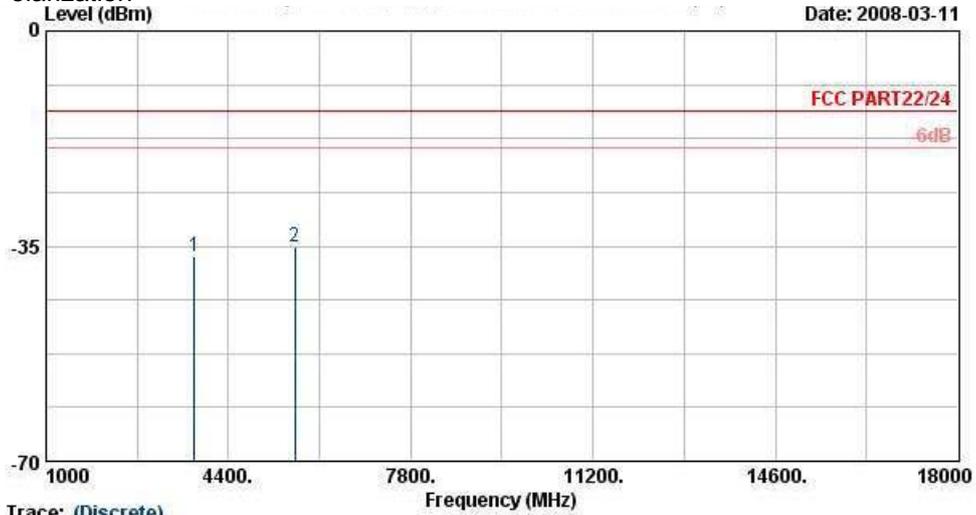


Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : EDGE Link ; Ch661 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-42.43	-13	-57.3	-49.5	4.03	11.1	H	Pass
5636	-34.41	-13	-55.37	-41.1	3.87	10.56	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : EDGE Link ; Ch661 + Adaptor
 Plane : E1
 IMEI : 000000000000000

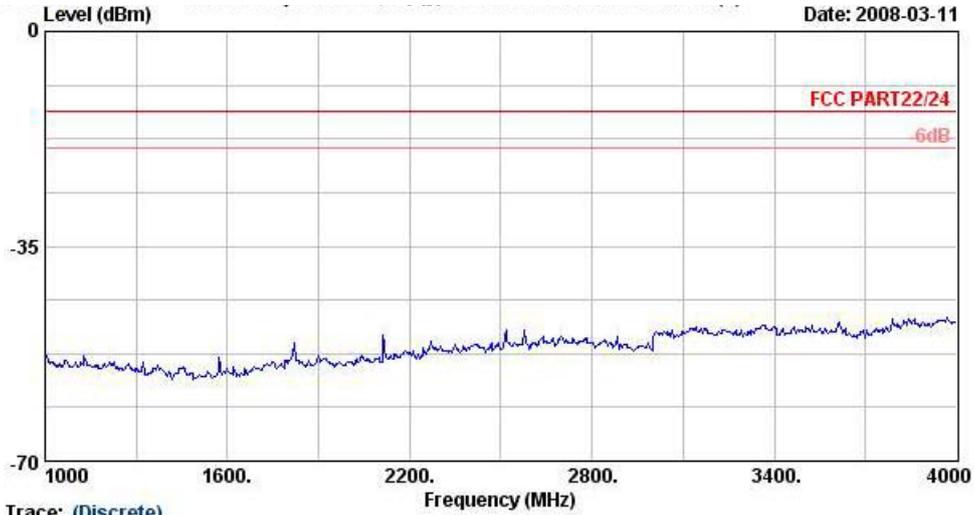
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-36.77	-13	-52.92	-43.84	4.03	11.1	V	Pass
5636	-35.07	-13	-54.28	-41.76	3.87	10.56	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



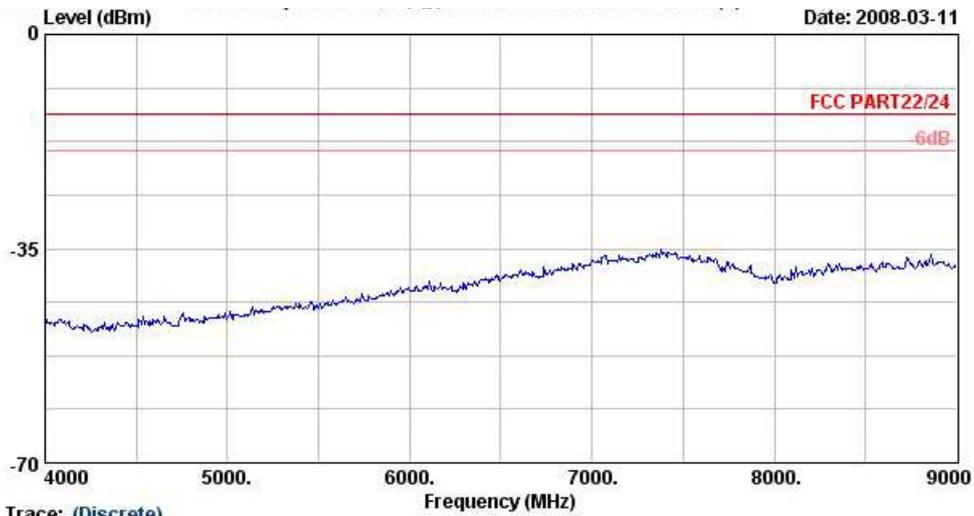
<Model : ZX1>

- Mode 5
- Horizontal Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 0000000000000000



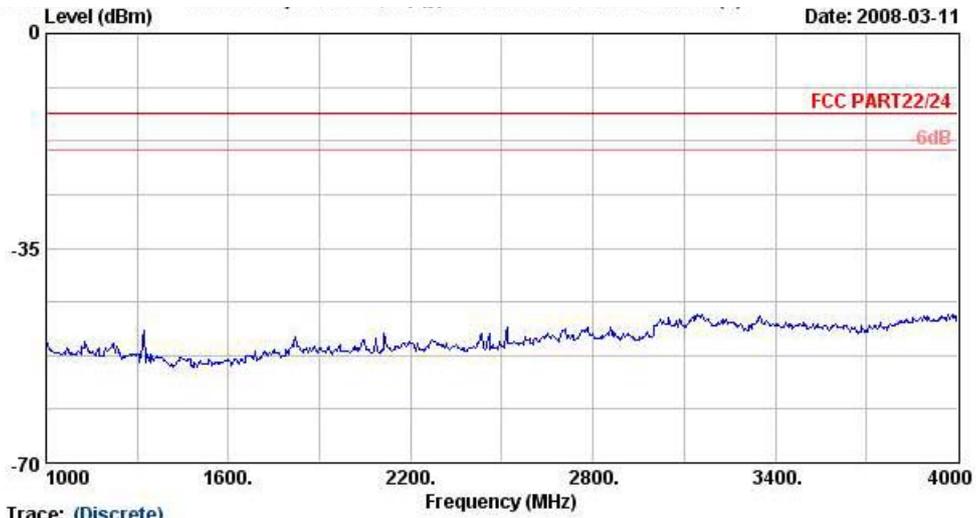
Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.

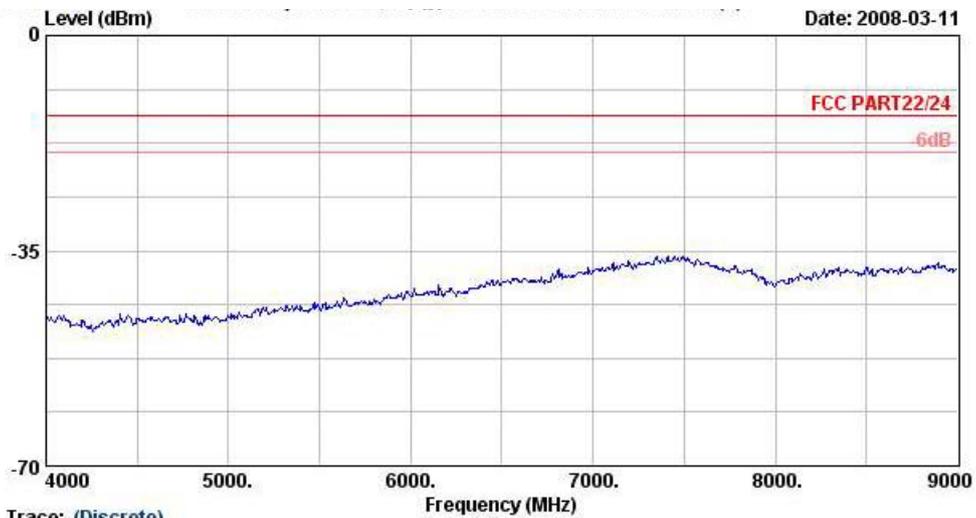


Vertical Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 000000000000000



Trace: (Discrete)

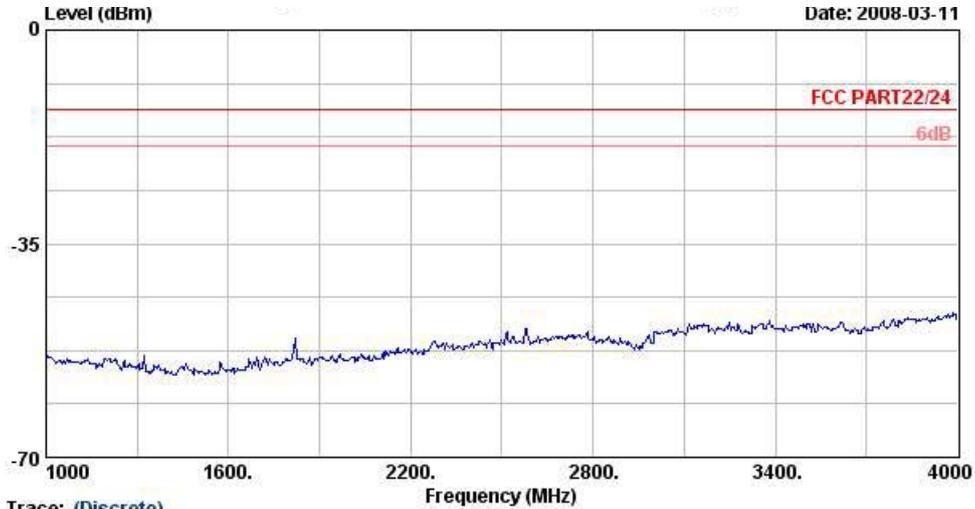
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 000000000000000

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.



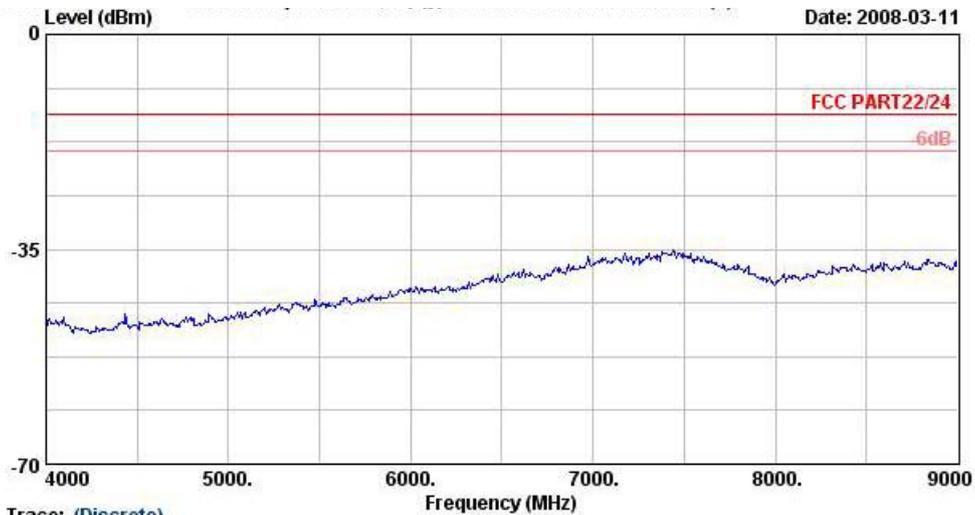
<Model : ZX1>

- Mode 6
- Horizontal Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 000000000000000



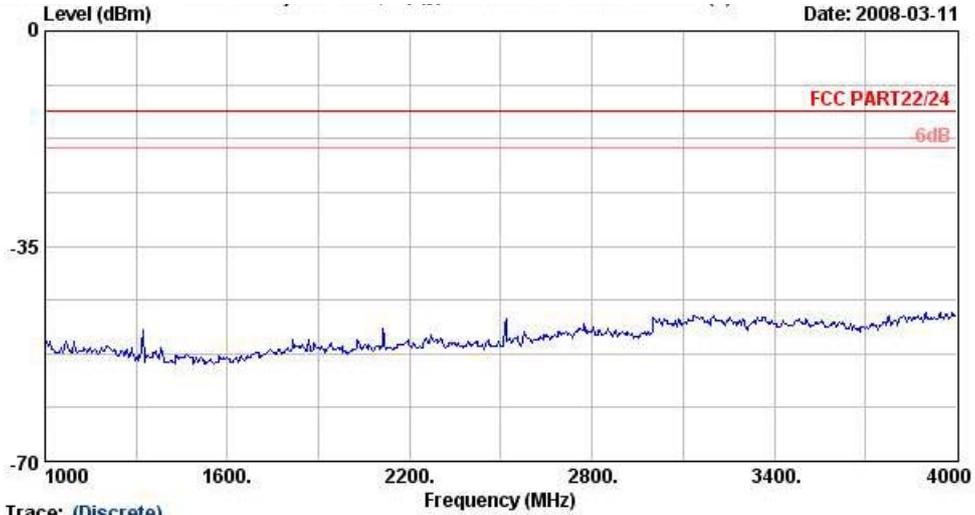
Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 000000000000000

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.

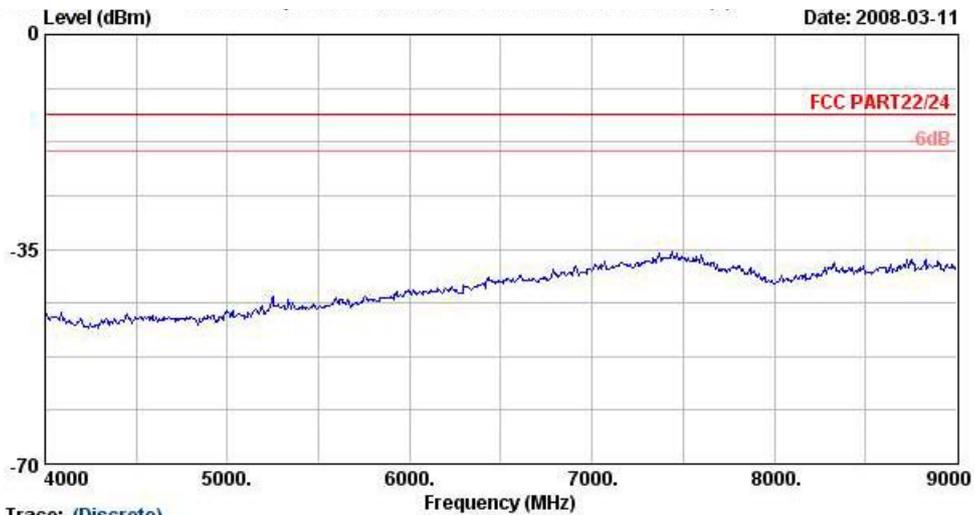


Vertical Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 0000000000000000



Trace: (Discrete)

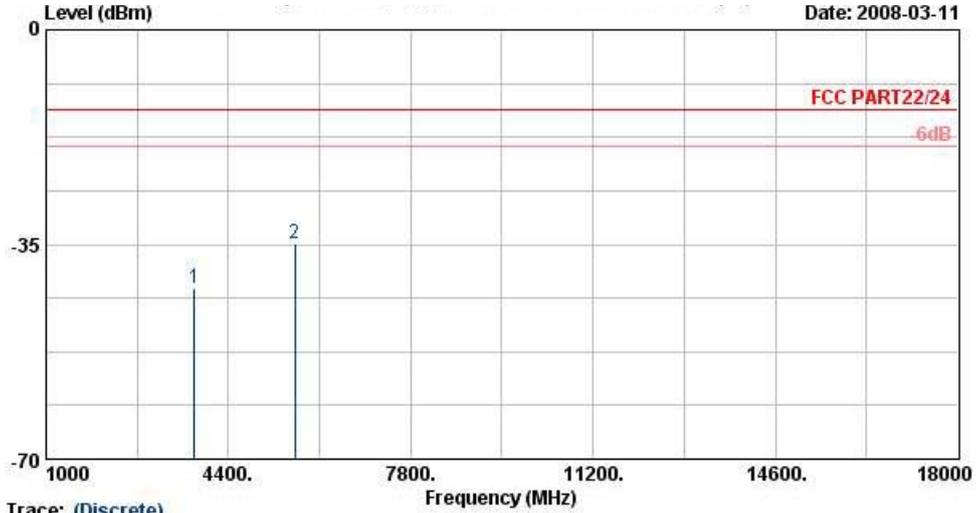
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.



<Model : ZX1>

- Mode 7
- Horizontal Polarization



Date: 2008-03-11

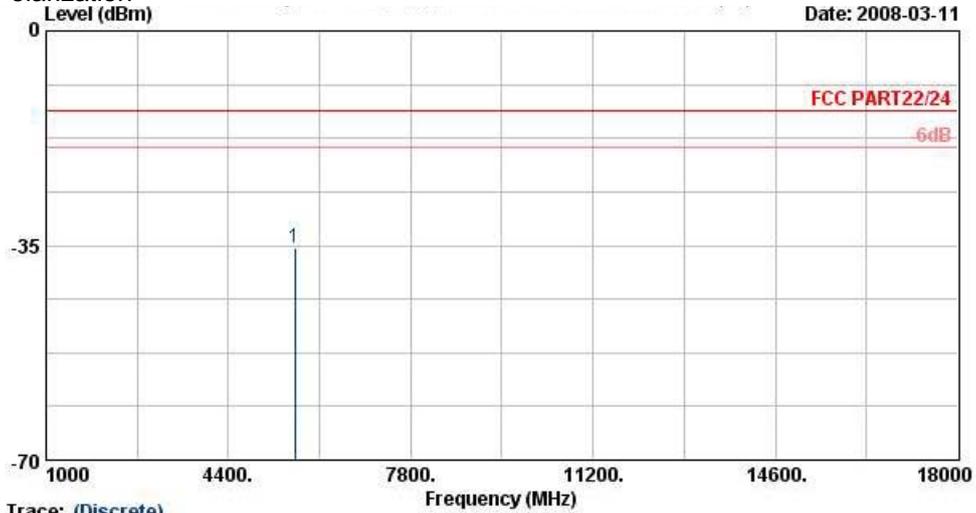
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch9400 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-42.13	-13	-56.9	-49.2	4.03	11.1	H	Pass
5636	-34.81	-13	-54.99	-41.5	3.87	10.56	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Date: 2008-03-11

Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : WCDMA Link ; Ch9400 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

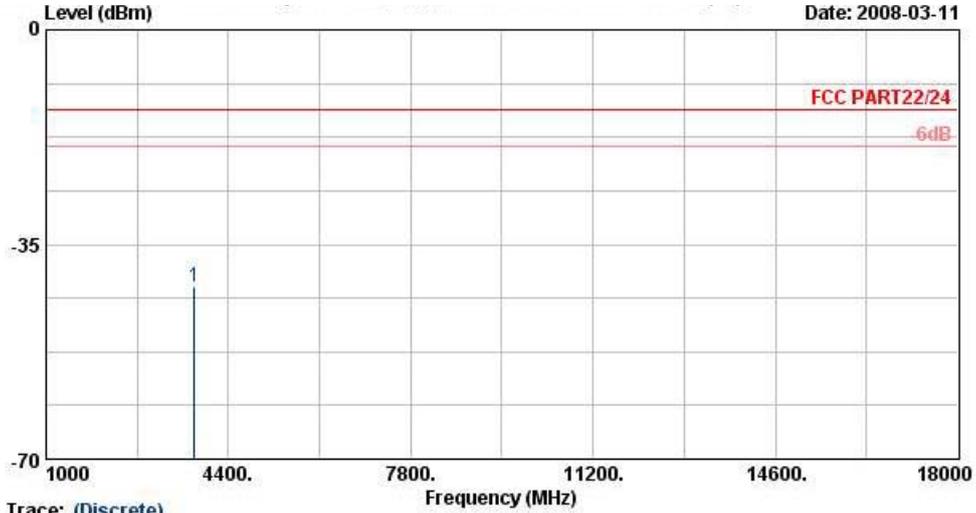
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5636	-35.33	-13	-54.53	-42.02	3.87	10.56	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : ZX1>

- Mode 8
- Horizontal Polarization



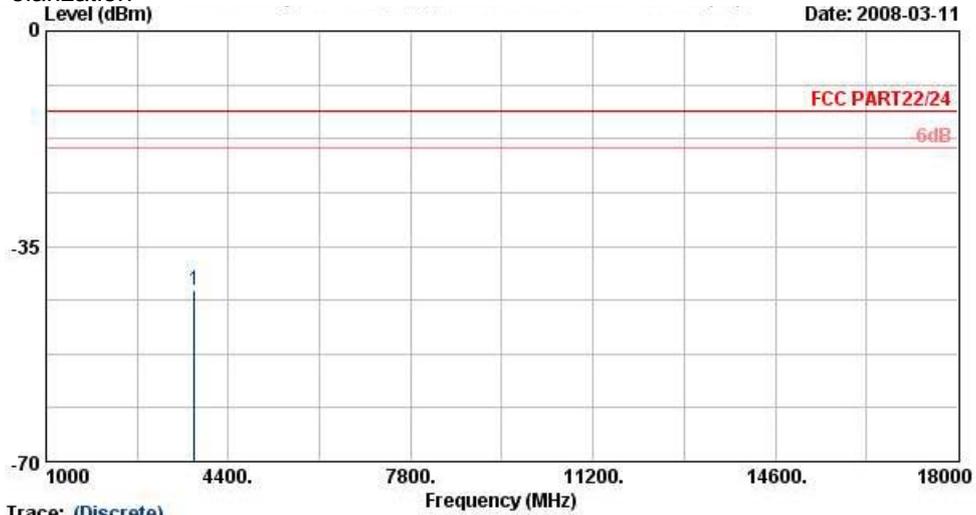
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch9400 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-41.83	-13	-56.63	-48.9	4.03	11.1	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : HSDPA Link ; Ch9400 + Adaptor
 Plane : E1
 IMEI : 0000000000000000

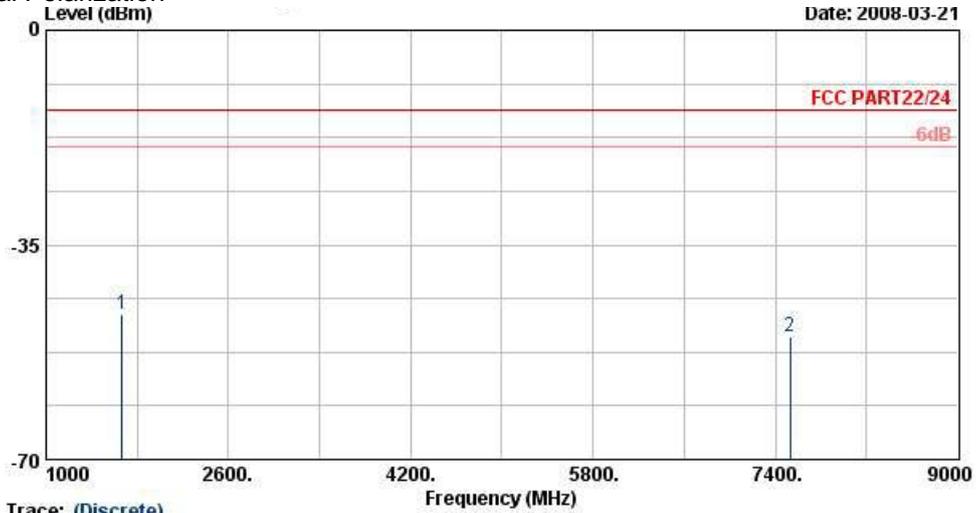
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-42.28	-13	-57.31	-49.35	4.03	11.1	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : ZX1>

- Mode 9
- Horizontal Polarization



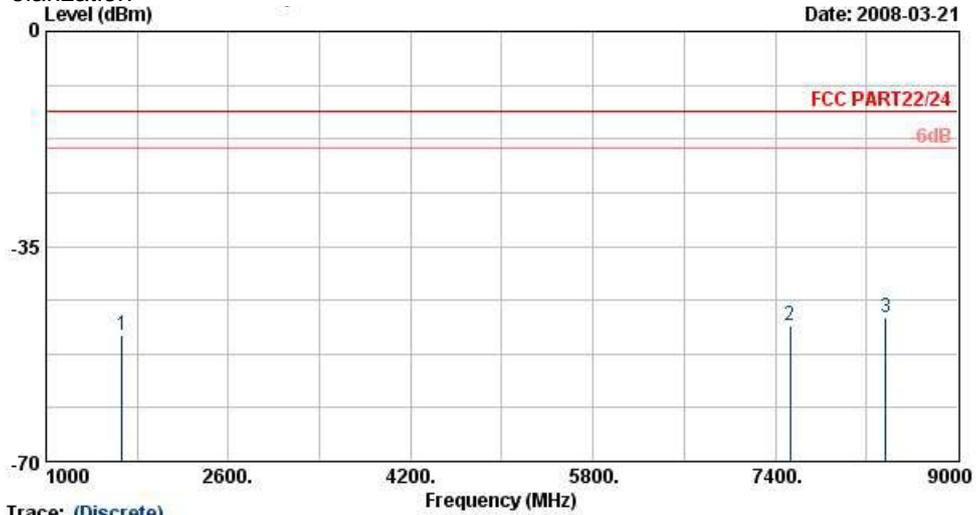
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : GSM 850 Link;Ch189 +11b_Tx_Ch11 +Adaptor
 Plane : E1
 IMEI : 353020020000098

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-46.19	-13	-53.35	-45.2	3.39	4.55	H	Pass
7530	-49.86	-13	-67.17	-51.2	6.22	9.71	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830315
 Mode : GSM 850 Link;Ch189 +11b_Tx_Ch11 +Adaptor
 Plane : E1
 IMEI : 353020020000098

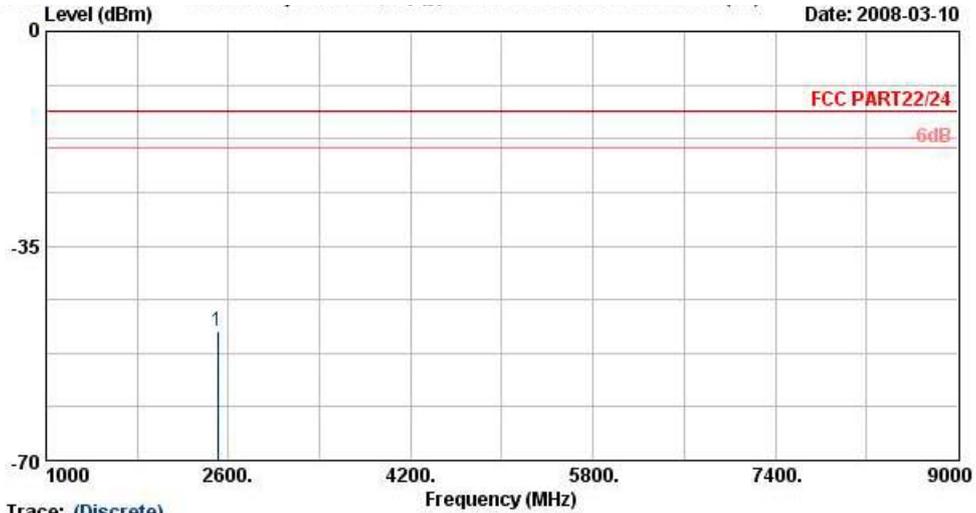
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-49.38	-13	-56.97	-48.00	3.39	4.16	V	Pass
7530	-47.76	-13	-65.29	-50.20	6.22	10.81	V	Pass
8370	-46.68	-13	-66.93	-50.30	5.59	11.36	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : P560>

- Mode 1
- Horizontal Polarization



Trace: (Discrete)

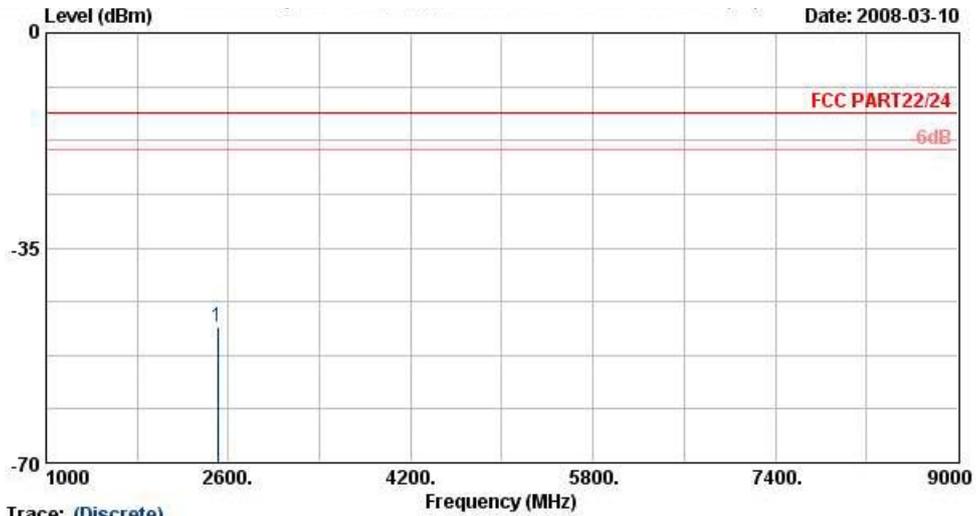
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : GSM 850 Link ; Ch189 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-48.85	-13	-52.37	-48.91	3.71	5.92	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : GSM 850 Link ; Ch189 + Adaptor
 Plane : H
 IMEI : 353020020000148

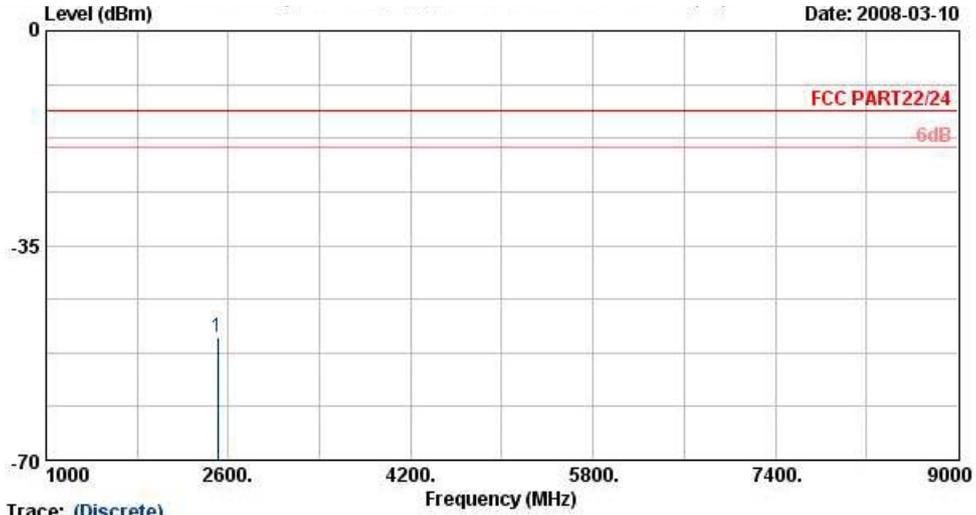
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-47.82	-13	-51.91	-47.68	3.71	5.72	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : P560>

- Mode 2
- Horizontal Polarization



Trace: (Discrete)

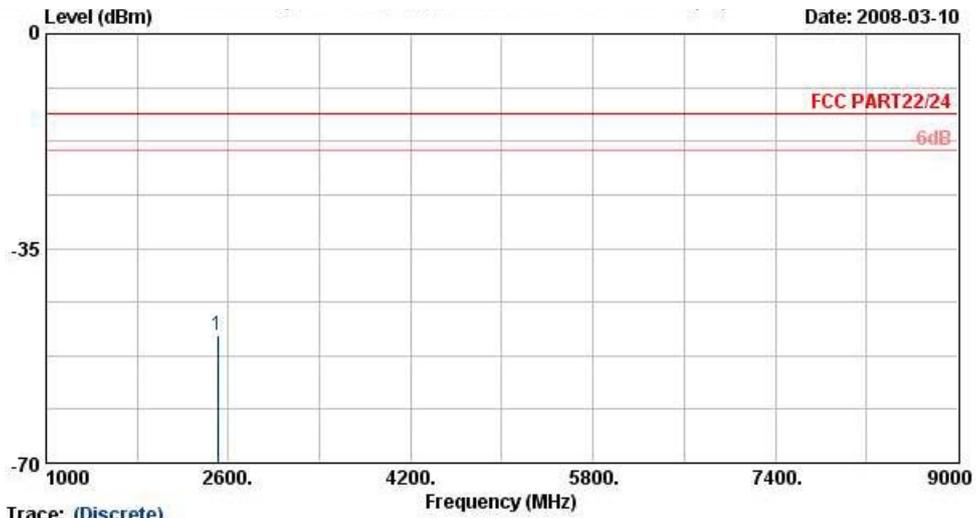
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : EDGE Link ; Ch189 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-49.95	-13	-53.93	-50.01	3.71	5.92	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : EDGE Link ; Ch189 + Adaptor
 Plane : H
 IMEI : 353020020000148

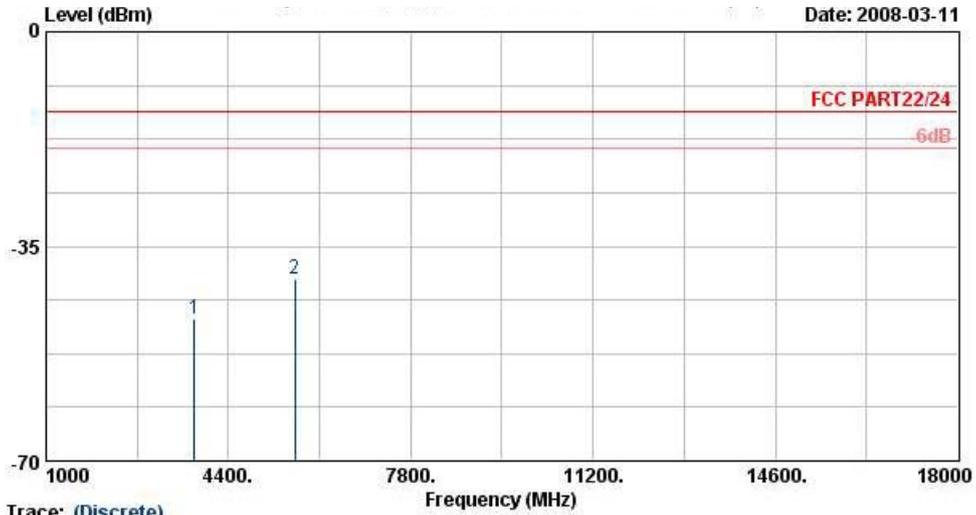
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
2509	-49.10	-13	-52.66	-48.96	3.71	5.72	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : P560>

- Mode 3
- Horizontal Polarization



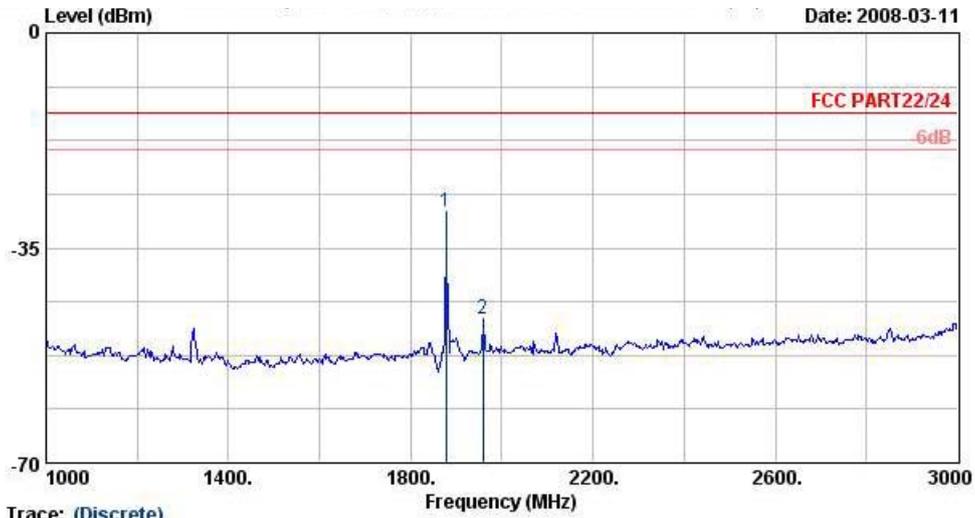
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : PCS1900 Link ; Ch561 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-46.93	-13	-59.48	-54	4.03	11.1	H	Pass
5640	-40.41	-13	-59.88	-47.1	3.87	10.56	H	Pass

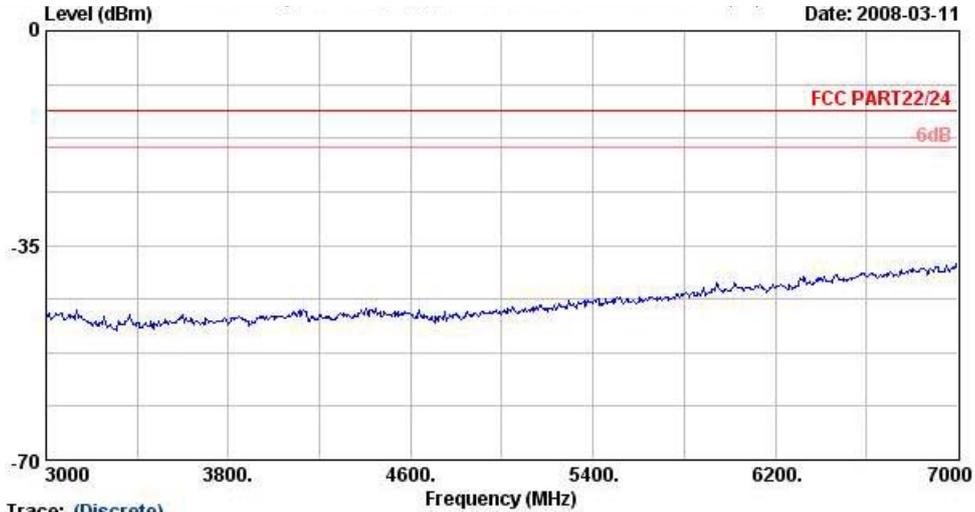
Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



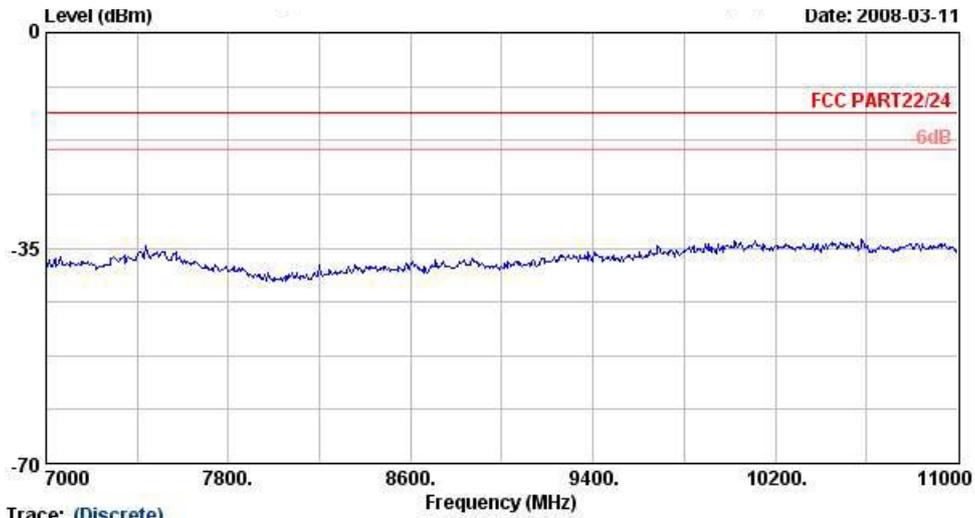
Vertical Polarization



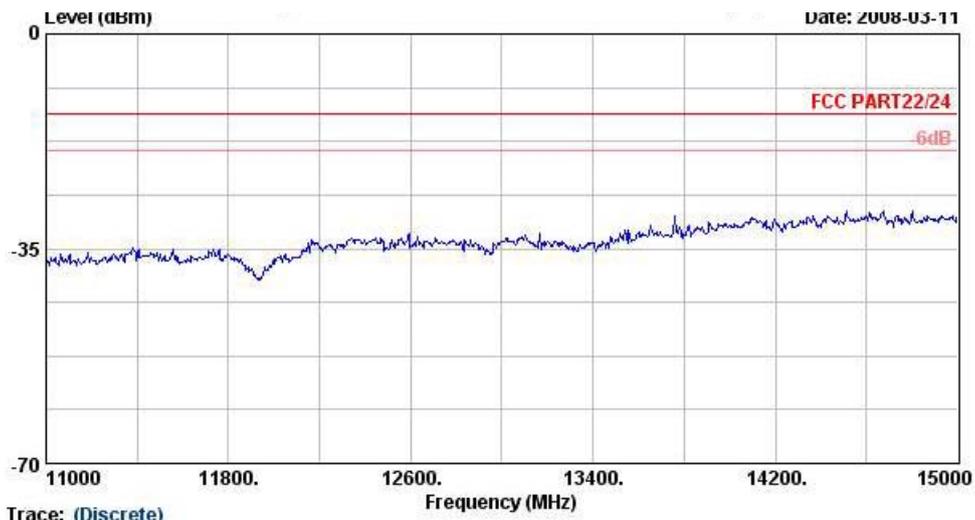
Trace: (Discrete)
Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : PCS1900 Link ; Ch661 + Adaptor
Plane : H
IMEI : 353020020000148



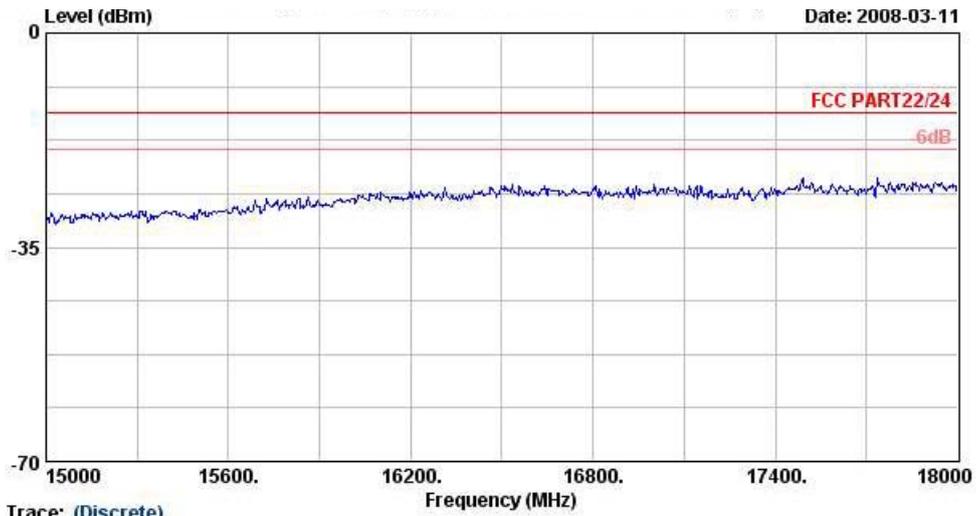
Trace: (Discrete)
Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : PCS1900 Link ; Ch661 + Adaptor
Plane : H
IMEI : 353020020000148



Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : PCS1900 Link ; Ch661 + Adaptor
Plane : H
IMEI : 353020020000148



Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : PCS1900 Link ; Ch661 + Adaptor
Plane : H
IMEI : 353020020000148



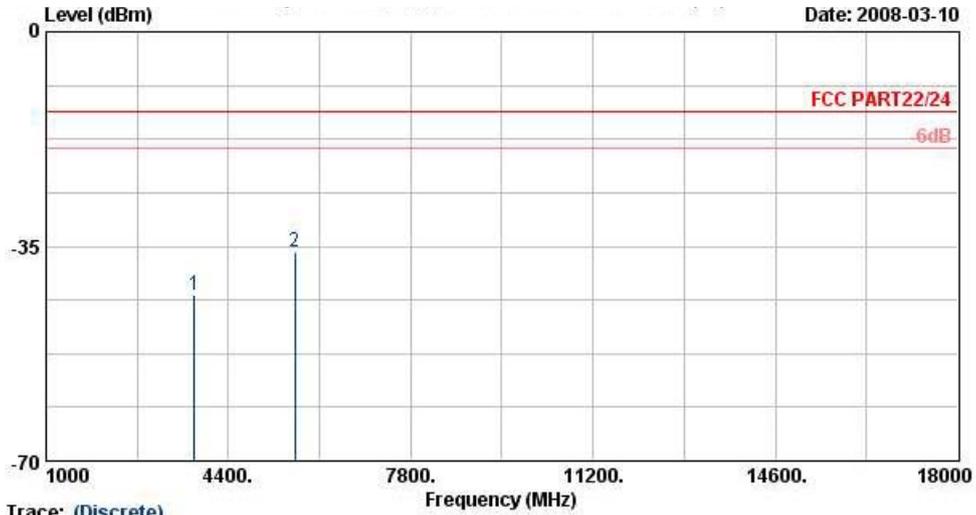
Trace: (Discrete)
Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : PCS1900 Link ; Ch661 + Adaptor
Plane : H
IMEI : 353020020000148

Remark : Spurious emissions within 30-18000MHz were found more than 20dB below limit line.
Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.



<Model : P560>

- Mode 4
- Horizontal Polarization



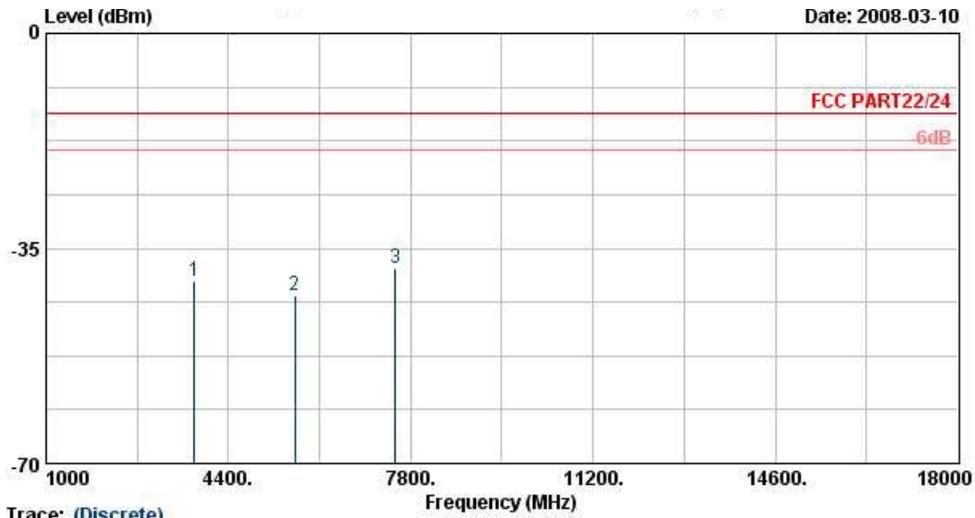
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : EDGE Link ; Ch661 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-42.93	-13	-56.5	-50	4.03	11.1	H	Pass
5636	-35.91	-13	-56	-42.6	3.87	10.56	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : EDGE Link ; Ch661 + Adaptor
 Plane : H
 IMEI : 353020020000148

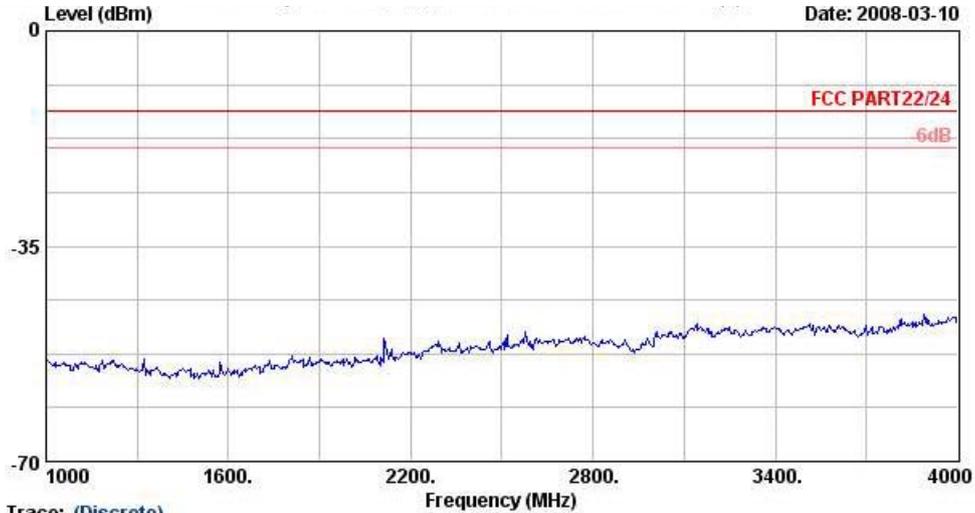
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-40.43	-13	-56.14	-47.5	4.03	11.1	V	Pass
5640	-42.71	-13	-60.45	-49.4	3.87	10.56	V	Pass
7520	-38.27	-13	-59.06	-39.84	5.83	7.4	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

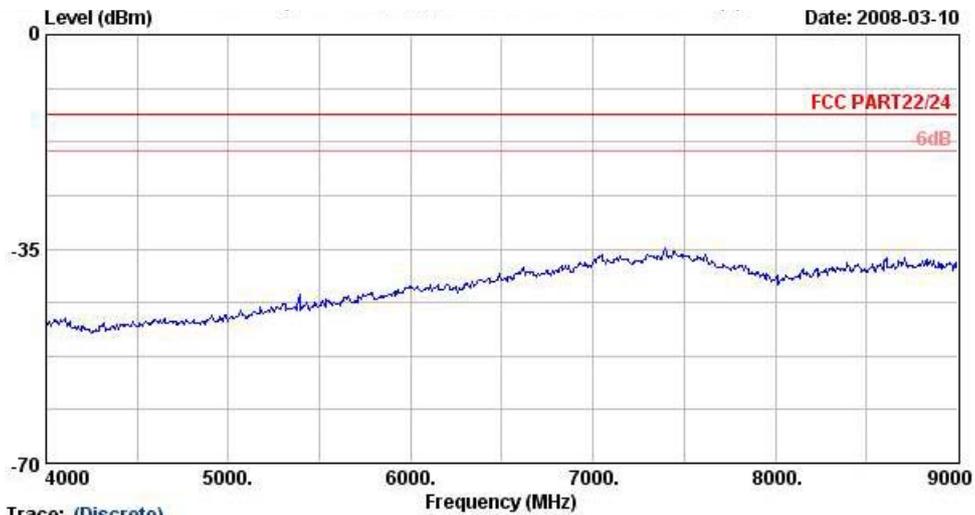


<Model : P560>

- Mode 5
- Horizontal Polarization



Trace: (Discrete)
Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : WCDMA Link ; Ch4182 + Adaptor
Plane : H
IMEI : 353020020000148

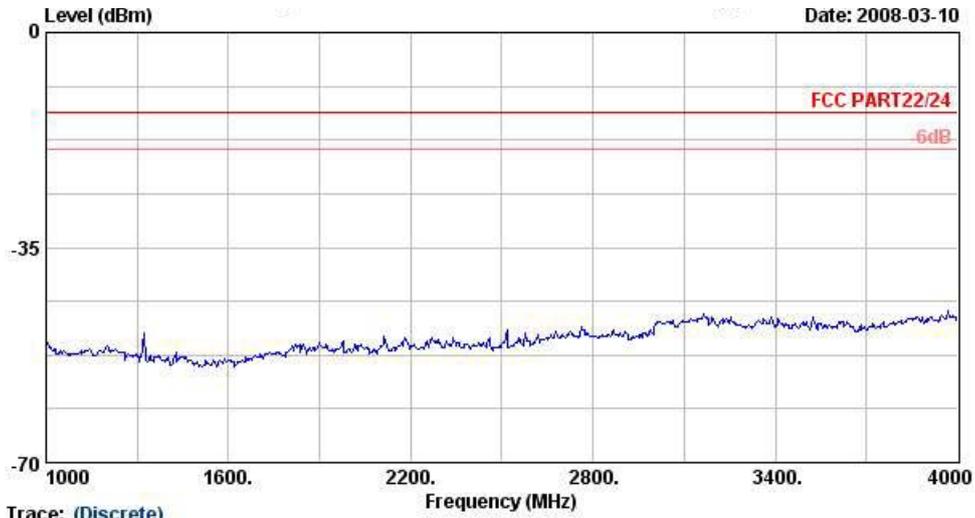


Trace: (Discrete)
Site : 03CH07-HY
Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
EUT : Smart Phone
Power : 120Vac/60Hz
Model : FG 830314
Mode : WCDMA Link ; Ch4182 + Adaptor
Plane : H
IMEI : 353020020000148

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.

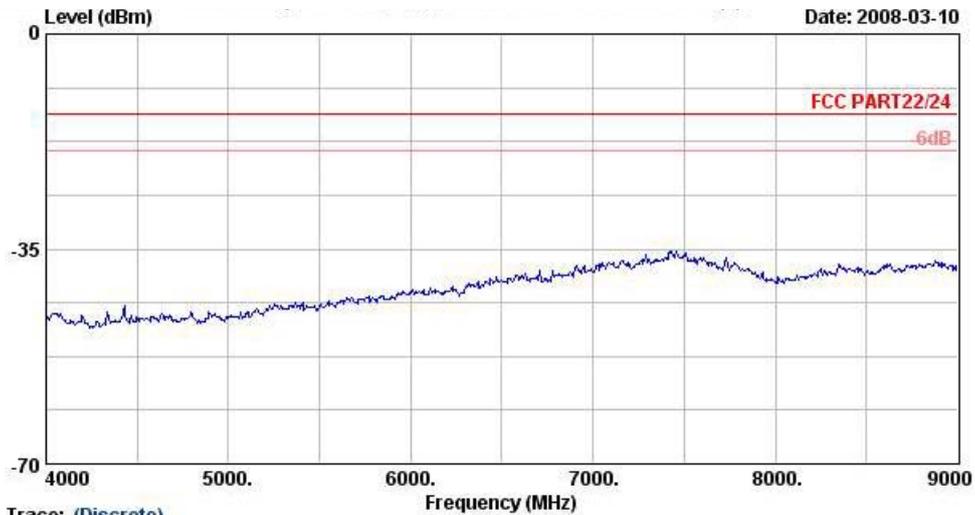


Vertical Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148



Trace: (Discrete)

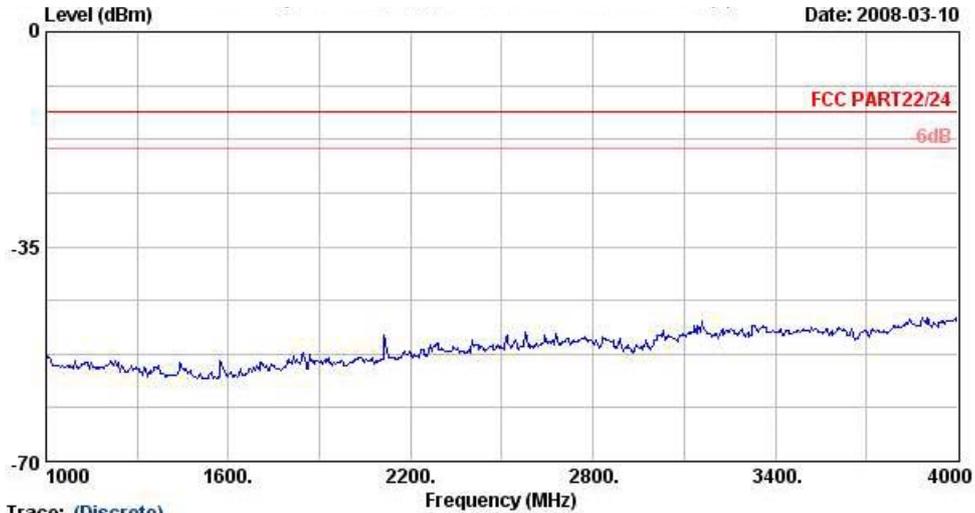
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : WCDMA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.



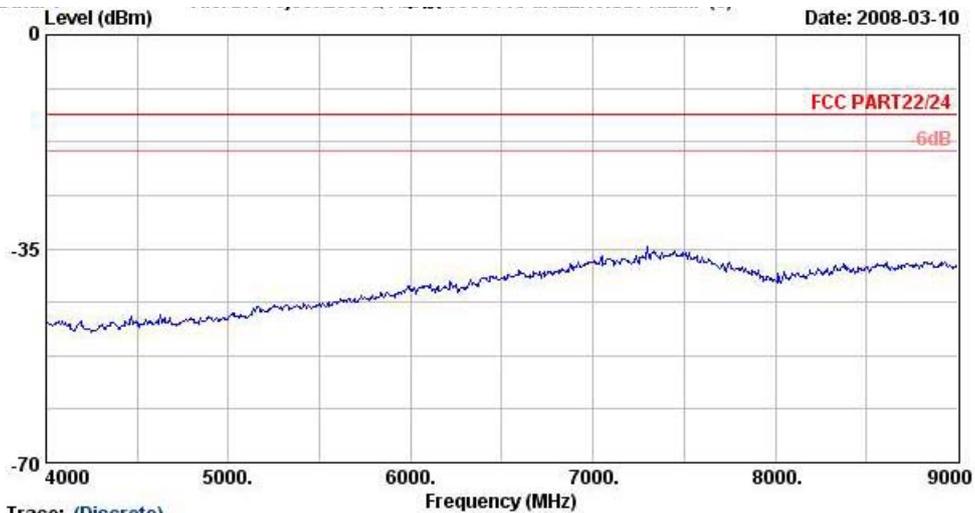
<Model : P560>

- Mode 6
- Horizontal Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148



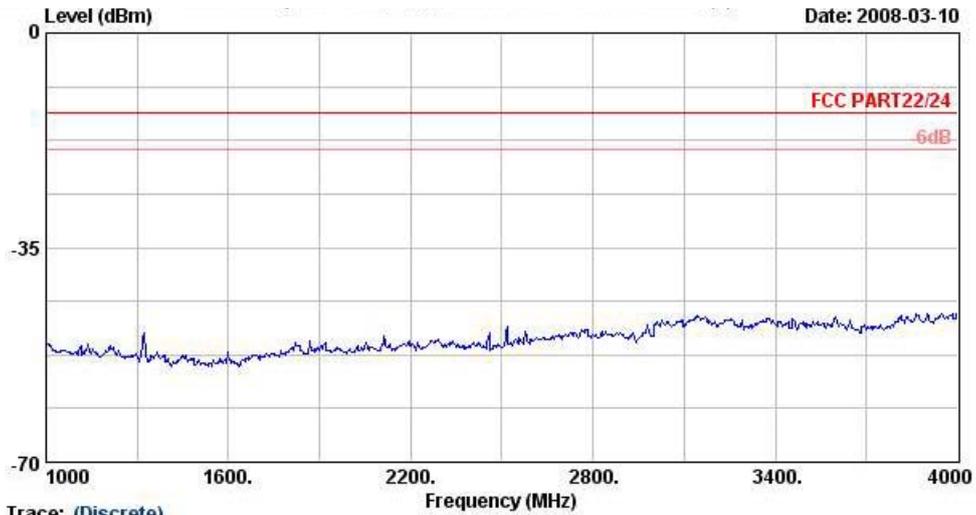
Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.

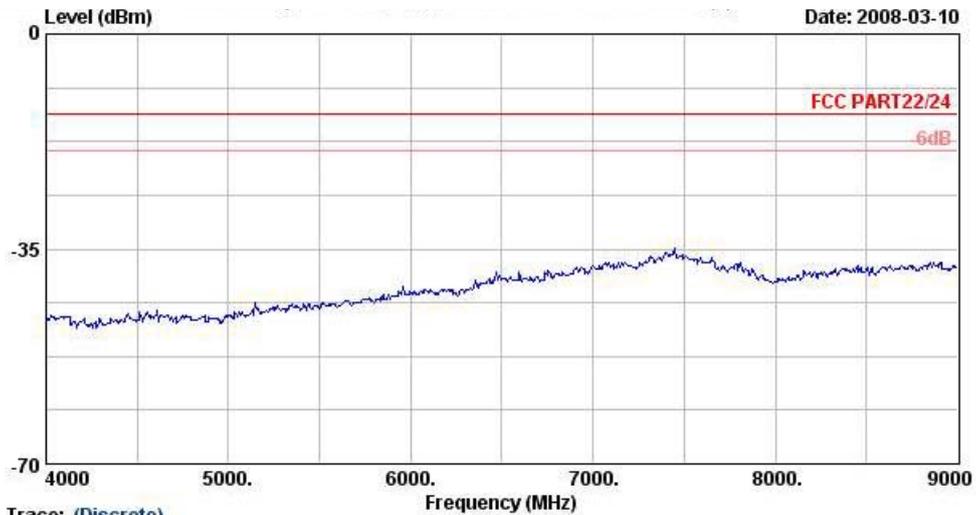


Vertical Polarization



Trace: (Discrete)

Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148



Trace: (Discrete)

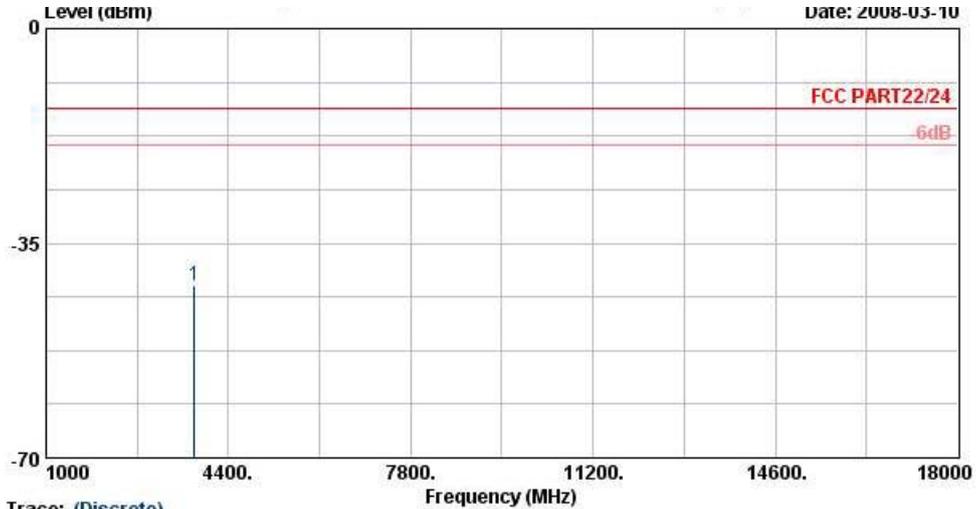
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch4182 + Adaptor
 Plane : H
 IMEI : 353020020000148

Remark : Spurious emissions within 30-9000MHz were found more than 20dB below limit line. Because the spurious signal from the EUT was too low, the results above only showed the background noise to demonstrate compliant with the standard.



<Model : P560>

- Mode 7
- Horizontal Polarization



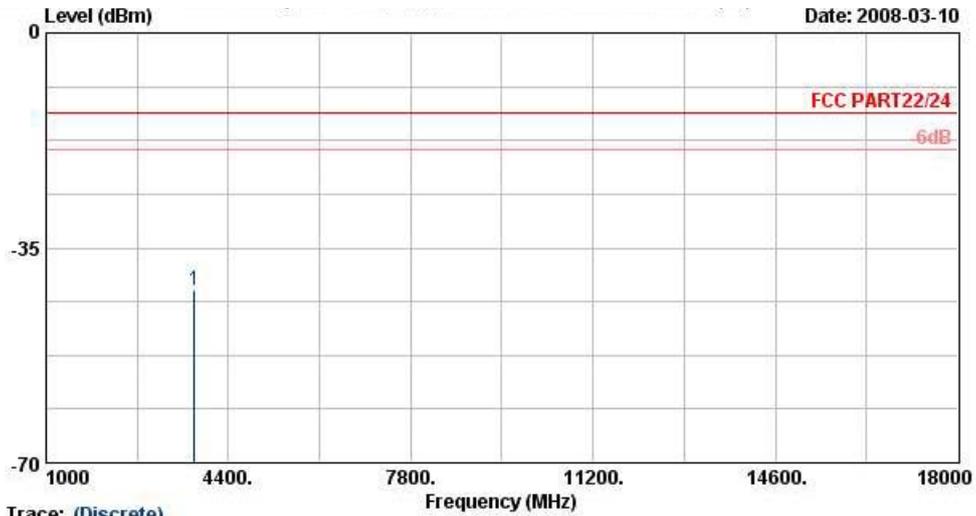
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : WCDMA Link ; Ch9400 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-41.93	-13	-55.92	-49	4.03	11.1	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : WCDMA Link ; Ch9400 + Adaptor
 Plane : H
 IMEI : 353020020000148

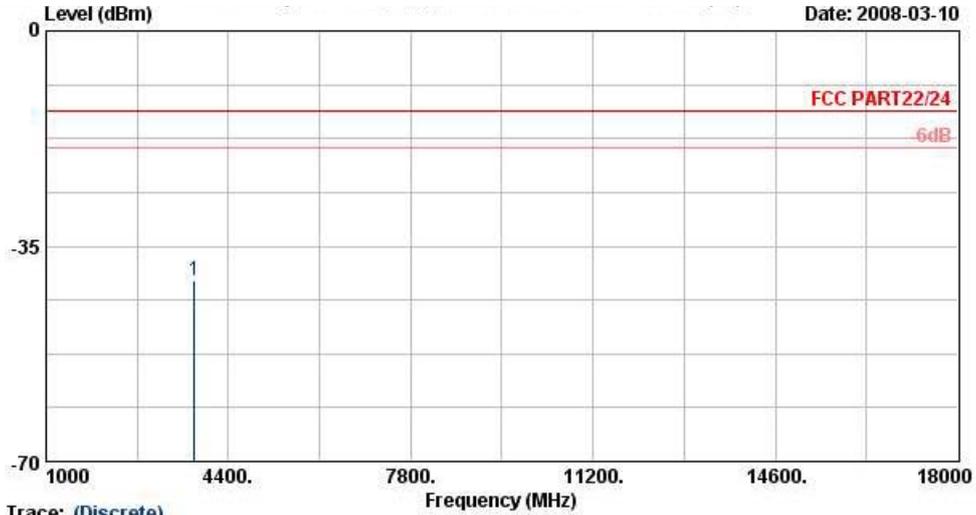
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3748	-41.78	-13	-57.08	-48.85	4.03	11.1	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : P560>

- Mode 8
- Horizontal Polarization



Trace: (Discrete)

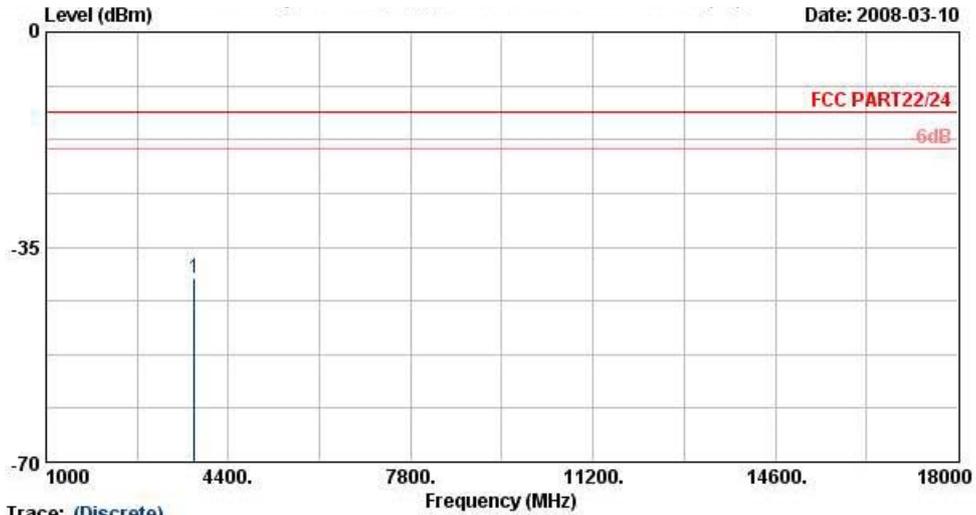
Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch9400 + Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-40.63	-13	-54.95	-47.7	4.03	11.1	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : HSDPA Link ; Ch9400 + Adaptor
 Plane : H
 IMEI : 353020020000148

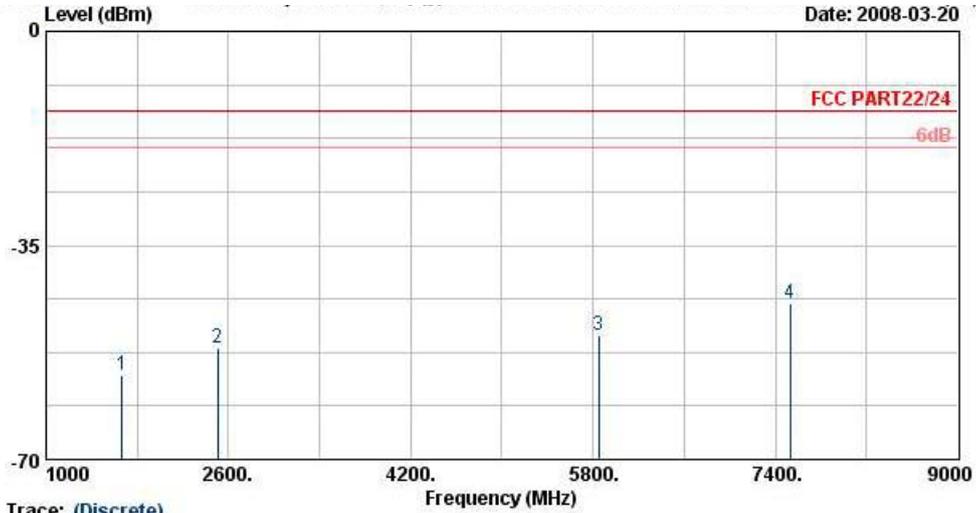
Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-40.17	-13	-56.38	-47.24	4.03	11.1	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Model : P560>

- Mode 9
- Horizontal Polarization



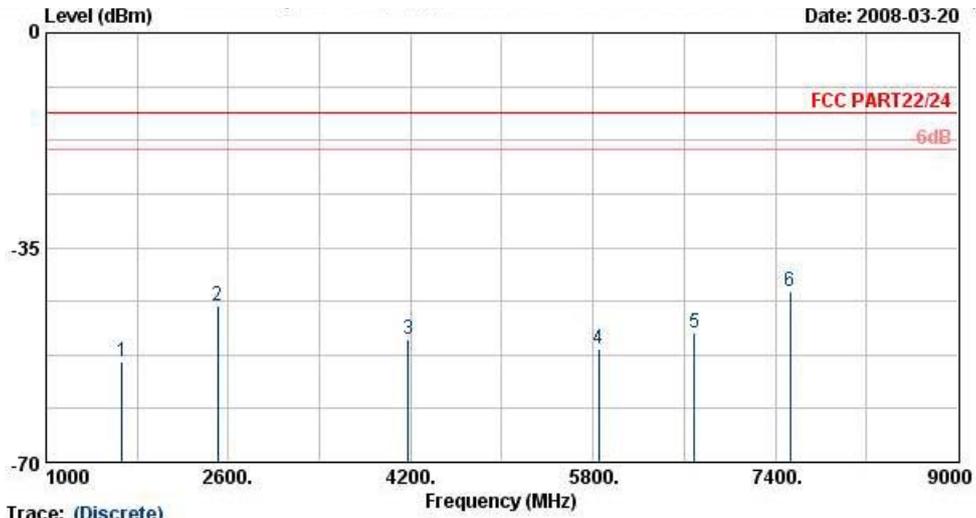
Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) HORIZONTAL
 EUT : Smart Phone
 Power : 120Vac/60Hz
 Model : FG 830314
 Mode : GSM 850 Link; Ch189 +11b Tx_Ch11+Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1669	-56.19	-13	-61.95	-55.2	3.39	4.55	H	Pass
2506	-51.74	-13	-60.88	-51.8	3.71	5.92	H	Pass
5850	-49.65	-13	-65.78	-52.1	4.38	8.98	H	Pass
7530	-44.46	-13	-63.53	-45.8	6.22	9.71	H	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Vertical Polarization



Trace: (Discrete)
 Site : 03CH07-HY
 Condition : FCC PART22/24 HF-EIRP(080306) VERTICAL
 EUT : Smart Phone
 Power : 120Wac/60Hz
 Model : FG 830314
 Mode : GSM 850 Link; Ch189 +11b Tx_Ch11+Adaptor
 Plane : H
 IMEI : 353020020000148

Frequency (MHz)	ERP (dBm)	Limit (dBm)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1669	-53.58	-13	-60.97	-52.2	3.39	4.16	V	Pass
2509	-44.54	-13	-57.86	-44.4	3.71	5.72	V	Pass
4175	-49.88	-13	-64.08	-53	3.01	8.28	V	Pass
5850	-51.41	-13	-67.27	-54.9	4.38	10.02	V	Pass
6690	-49.05	-13	-67.92	-52.3	5.22	10.62	V	Pass
7530	-42.06	-13	-62.17	-44.5	6.22	10.81	V	Pass

Remark : Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

4.7 Frequency Stability (Temperature Variation)

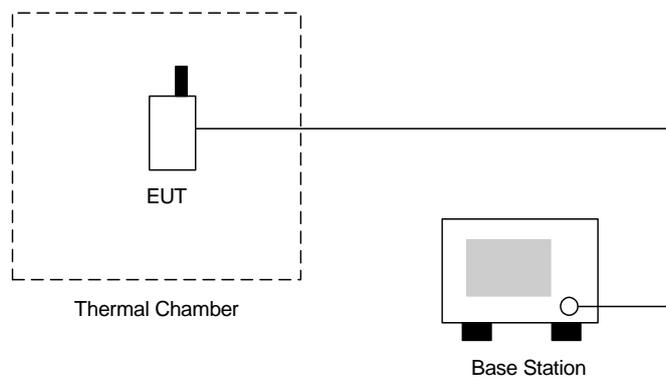
4.7.1 Measurement Instrument

As described in chapter 5 of this test report.

4.7.2 Test Procedure

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The temperature tests were performed for the worst case.
5. Test data was recorded.

4.7.3 Test Setup Layout





4.7.4 Test Result

<Model : ZX1>

• Test Mode : GSM850 (GSM) CH189

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	84	0.10		
-10	-52	-0.06		
0	38	0.04		
10	42	0.05		
20	-33	-0.04		
30	-37	-0.04		
40	-41	-0.05		
50	-56	-0.07		

Remark : The EUT can not turn on at -30°C.

<Model : ZX1>

• Test Mode : GSM850 (EDGE) CH189

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	-64	-0.08		
-10	55	0.06		
0	48	0.06		
10	37	0.04		
20	28	0.03		
30	-31	-0.04		
40	-38	-0.04		
50	-44	-0.05		

Remark : The EUT can not turn on at -30°C.

<Model : ZX1>

• Test Mode : GSM1900 (GSM) CH661

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	-77	-0.04		
-10	68	0.04		
0	-55	-0.03		
10	39	0.02		
20	42	0.02		
30	-37	-0.02		
40	52	0.03		
50	59	0.03		

Remark : The EUT can not turn on at -30°C.



<Model : ZX1>

• Test Mode : GSM1900 (EDGE) CH661

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	-66	-0.03		
-10	-57	-0.03		
0	68	0.04		
10	34	0.02		
20	45	0.02		
30	-38	-0.02		
40	-44	-0.02		
50	-52	-0.03		

Remark : The EUT can not turn on at -30°C.

<Model : ZX1>

• Test Mode : WCDMA Band V CH4182

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	35	0.04		
-10	34	0.04		
0	-26	-0.03		
10	-27	-0.03		
20	25	0.03		
30	22	0.03		
40	36	0.04		
50	-31	-0.04		

Remark : The EUT can not turn on at -30°C.

<Model : ZX1>

• Test Mode : WCDMA Band V (HSDPA) CH4182

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	-42	-0.05		
-10	39	0.05		
0	-41	-0.05		
10	24	0.03		
20	-28	-0.03		
30	21	0.02		
40	31	0.04		
50	33	0.04		

Remark : The EUT can not turn on at -30°C.



<Model : ZX1>

• Test Mode : WCDMA Band II CH9400

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	-27	-0.01		
-10	22	0.01		
0	20	0.01		
10	-18	-0.01		
20	22	0.01		
30	25	0.01		
40	-19	-0.01		
50	-31	-0.02		

Remark : The EUT can not turn on at -30°C.

<Model : ZX1>

• Test Mode : WCDMA Band II (HSDPA) CH9400

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	n/a	n/a	2.5	Passed
-20	38	0.02		
-10	-27	-0.01		
0	26	0.01		
10	18	0.01		
20	15	0.01		
30	-24	-0.01		
40	-23	-0.01		
50	29	0.02		

Remark : The EUT can not turn on at -30°C.

4.8 Frequency Stability (Voltage Variation)

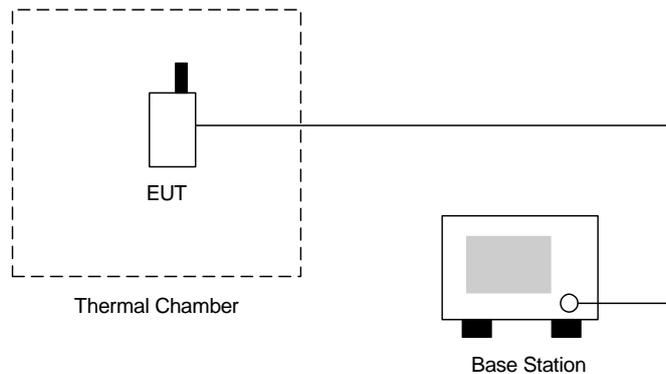
4.8.1 Measurement Instrument

As described in chapter 5 of this test report.

4.8.2 Test Procedure

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected as the following section.
2. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

4.8.3 Test Setup Layout





4.8.4 Test Result

<Model : ZX1 / P560>

• Test Mode : GSM850 (GSM) CH189

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	-33.0	-0.04	2.5	Passed
BEP	17.0	0.02		
4.2	-11.0	-0.01		

<Model : ZX1 / P560>

• Test Mode : GSM850 (EDGE) CH189

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	28.0	0.03	2.5	Passed
BEP	37.0	0.04		
4.2	-27.0	-0.03		

<Model : ZX1 / P560>

• Test Mode : GSM1900 (GSM) CH661

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	42.0	0.02	2.5	Passed
BEP	28.0	0.01		
4.2	37.0	0.02		

<Model : ZX1 / P560>

• Test Mode : GSM1900 (EDGE) CH661

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	45.0	0.02	2.5	Passed
BEP	33.0	0.02		
4.2	21.0	0.01		

<Model : ZX1 / P560>

• Test Mode : WCDMA Band V CH4182

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	25.0	0.03	2.5	Passed
BEP	37.0	0.04		
4.2	21.0	0.02		

<Model : ZX1 / P560>

• Test Mode : WCDMA Band V (HSDPA) CH4182

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	-28.0	-0.03	2.5	Passed
BEP	18.0	0.02		
4.2	-13.0	-0.02		



<Model : ZX1 / P560>

• Test Mode : WCDMA Band II CH9400

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	22.0	0.01	2.5	Passed
BEP	17.0	0.01		
4.2	33.0	0.02		

<Model : ZX1 / P560>

• Test Mode : WCDMA Band II (HSDPA) CH9400

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	15.0	0.01	2.5	Passed
BEP	36.0	0.02		
4.2	-17.0	-0.01		

Remark:

1. Normal Voltage= 3.7V.
2. Battery End Point (BEP)= 3.5 V.



5. List of Measurement Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum Analyzer	Agilent	E4408B	MY44211028	9KHz-26.5GHz	Oct. 17, 2007	Oct. 16, 2008	Radiation (03CH07-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 26, 2007	Jul. 25, 2008	Radiation (03CH07-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Dec. 01, 2007	Nov. 30, 2008	Radiation (03CH07-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071025	1G~18G	Jun. 04, 2007	Jun. 03, 2008	Radiation (03CH07-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-251	14G - 40G	Oct. 17, 2007	Oct. 16, 2008	Radiation (03CH07-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 22, 2007	Nov. 21, 2008	Radiation (03CH07-HY)
Pre Amplifier	EMEC	PA303	PA303-SMA-059	100K~3GHz	Nov. 26, 2007	Nov. 25, 2008	Radiation (03CH07-HY)
Base Station Simulator	R & S	CMU200	103937	Third-Band	Oct. 19, 2007	Oct. 18, 2008	Radiation (03CH07-HY)
Wireless Communication Test Set	Agilent	E5515C	GB46311322	N/A	Dec. 22, 2006	Dec. 22, 2008	Conduction (TH02-HY)
Thermal Chamber	Tenyi technology	TTH-D35P	TBN-930701	N/A	Aug. 02, 2007	Aug. 01, 2008	Conduction (TH02-HY)
Spectrum	R&S	FSP40	100055	9KHz~40GHz	Jun. 25, 2007	Jun. 24, 2008	Conduction (TH02-HY)
Bluetooth Test	ANRITSU	MT8852A	6K00003939	N/A	N/A	N/A	Conduction (TH02-HY)
Power Divider	ARRA	5200-1	3871	N/A	Oct. 01, 2007	Sep. 30, 2008	Conduction (TH02-HY)
DC Power Supply	TOPWARD	3303D	740889	N/A	May 25, 2007	May 24, 2009	Conduction (TH02-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Feb. 21, 2008	Feb. 20, 2009	Conduction (TH02-HY)
Power Sensor	Agilent	E9327A	US40441548	N/A	Feb. 21, 2008	Feb. 20, 2009	Conduction (TH02-HY)



6. Uncertainty Evaluation

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.41	Normal(k=2)	0.21
Antenna factor calibration	0.83	Normal(k=2)	0.42
Cable loss calibration	0.25	Normal(k=2)	0.13
Pre Amplifier Gain calibration	0.27	Normal(k=2)	0.14
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.43	Rectangular	0.83
Mismatch	+0.39/-0.41	U-shaped	0.28
Combined standard uncertainty Uc(y)	1.27		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.54		

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty Uc(y)	2.36				
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	4.72				

END OF TEST REPORT