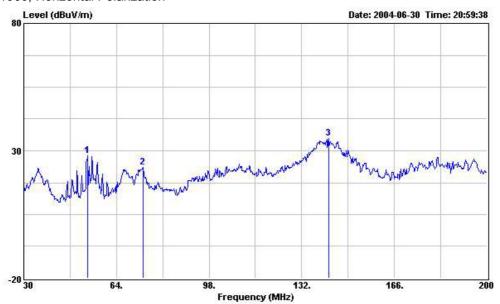
Report No.: F451209

Radiated Scanned Data

Mode: Adapter

GSM1900, Horizontal Polarization



Site : 03CH03-HY

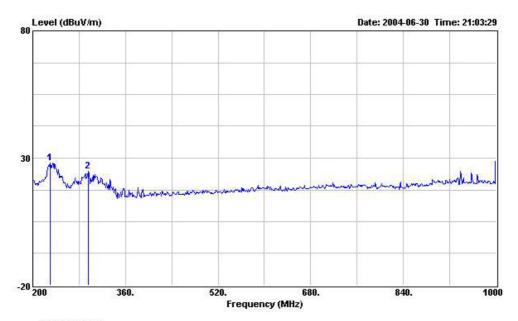
Condition: 3m BIC-9124--301 HORIZONTAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	Freq	Level	Over Limit			Probe Factor			Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		CIV	deg
1	53.460	28.12			45.60	10.16	0.35	27.99	Peak		
2	73.860	23.47			41.97	9.06	0.39	27.95	Peak		0444
3	141.860	34.84			50.08	11.86	0.72	27.82	Peak	(

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 36 of 69 Issued Date July 8, 2004



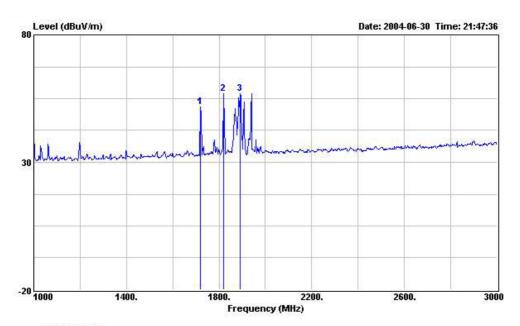
Condition: 3m LOG-9111-221 HORIZONTAL

EUT: Mobile Phone Power: 120V/60Hz Model: 2600

Memo : PCS Link Mode CH:661

		Level		Limit Line						Ant Pos	Table Pos
		MHz dBuV/m	dBuV/m dB dBu	dBuV/m	dBuV/m dBuV	dB	dB	dB		CW.	deg
1	230.400	28.03			41.22	13.45	0.94	27.58	Peak		3.224
2	295.200	24.80			37.97	13.06	1.09	27.32	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 37 of 69 Issued Date July 8, 2004



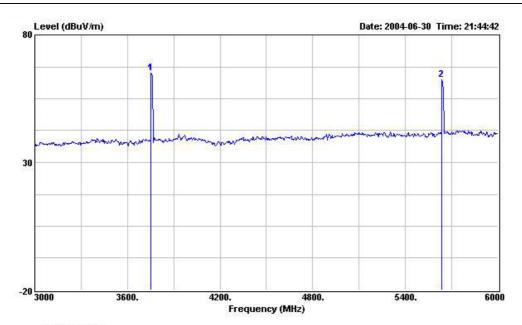
Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	(5.0.000.40)	Level		Limit Line					Remark	Ant Pos	Table Pos
	MHz	z dBuV/m	aV/m dB	dBuV/m	dBuV	dB	dB	dB		CW.	deg
1	1718.000	51.81	222222		65.00	26.07	1.48	40.74	Peak	222	3224
2	1820.000	57.07			69.93	26.45	1.49	40.80	Peak		
3	1892 000	56 84			69 47	26 71	1.50	40 84	Dook	10-00-00	

FCC ID PJO2600 Page No. TEL: 886-2-2696-2468 38 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004



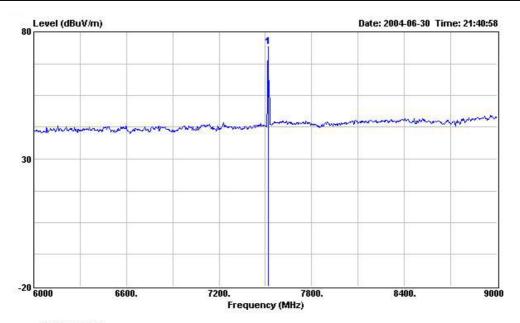
Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT: Mobile Phone Power: 120V/60Hz Model: 2600

Memo : PCS Link Mode CH:661

	-	Freq Level Limit Li: MHz dBuV/m dB dBuV							Ant Pos	Table Pos	
			dB	dBuV/m	dBuV	dB	dB	dB		CIV.	deg
1	3753.000	65.12			72.72	32.04	1.77	41.41	Peak		
2	5637.000	62.31			68.43	34.46	2.58	43 16	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 39 of 69 Issued Date July 8, 2004



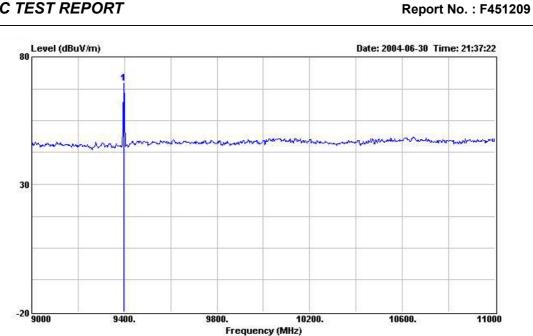
Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT: Mobile Phone
Power: 120V/60Hz
Model: 2600

Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line						Ant Pos	Table Pos
3	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
100	7510 000	24.06			77 02	26 72	2 60	12 20	Dools	12225	32223

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 40 of 69 Issued Date July 8, 2004



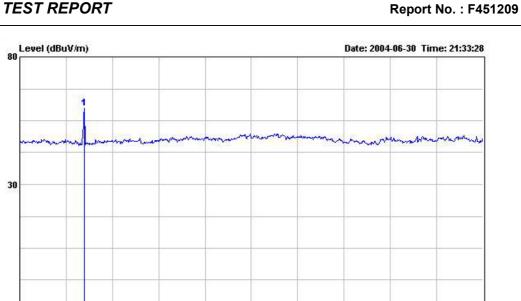
Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line						Ant Pos	Table Pos
8	MHz	dBuV/m	dB	dBuV/m	dBuV		dB	dB		cm	deg
1	9398.000	69.56			67.58	38.20	3.94	40.16	Peak	222	

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 41 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004



Frequency (MHz)

12200.

12600.

13000

Site : 03CH03-HY

-20 11000

Condition: 3m HORN-ANT-6821 HORIZONTAL

11400.

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

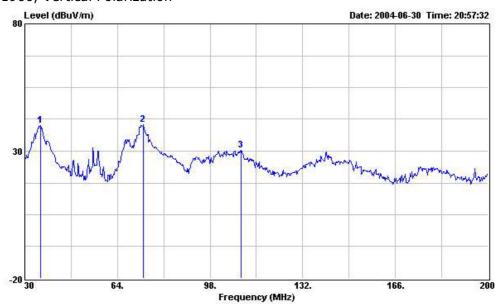
Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line						Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	11278.000	59.90			56.43	39.20	4.21	39.94	Peak	222	3224

11800.

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 42 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004 Mode: Adapter

GSM1900, Vertical Polarization



Site : 03CH03-HY

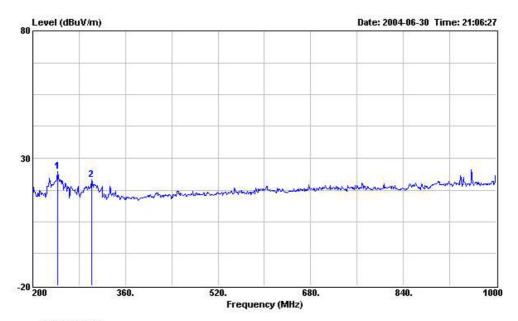
Condition: 3m BIC-9124--301 VERTICAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	Freq	Level	Over Limit			Probe Factor				Ant Pos	Table Pos
=	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		CIV.	deg
1	35.780	40.02			55.02	12.79	0.24	28.03	Peak	222	
2	73.350	40.49			58.99	9.04	0.41	27.95	Peak		
3	109 390	30.22			47 15	10 40	0.55	27.88	Peak	10-10-27	10

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 43 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004



Condition: 3m LOG-9111-221 VERTICAL

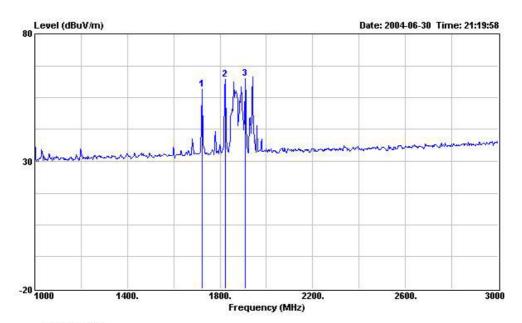
EUT: Mobile Phone
Power: 120V/60Hz
Model: 2600

Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line		Probe Factor			Remark	Ant Pos	Table Pos
	MHz	z dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	,—————————————————————————————————————	СШ	deg
1	243.200	24.91			38.82	12.69	0.93	27.53	Peak		224
2	301.600	21.42			34.39	13.30	1.04	27.31	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255

FCC ID PJO2600 Page No. 44 of 69 Issued Date July 8, 2004



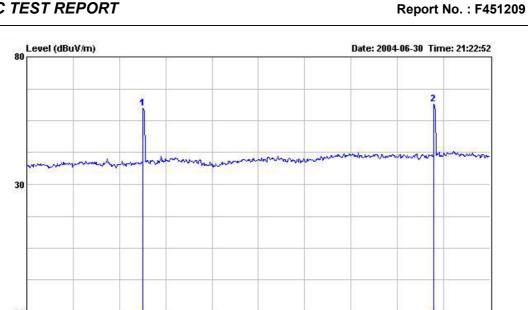
Condition: 3m HORN-ANT-6821 VERTICAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

		Level		Limit Line		Probe Factor				Ant Pos	Table Pos
		MHz dBuV/m	BuV/m dB	dBuV/m dE	dBuV	dB	dB	dB		cm	deg
1	1724.000	58.25			71.42	26.09	1.48	40.74	Peak	224	
2	1822.000	62.12			74.98	26.45	1.49	40.80	Peak		0444
3	1910.000	62.55			75.12	26.78	1.50	40.85	Peak	-	

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 45 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004



Frequency (MHz)

4800.

5400.

6000

Site : 03CH03-HY

Condition: 3m HORN-ANT-6821 VERTICAL

3600.

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

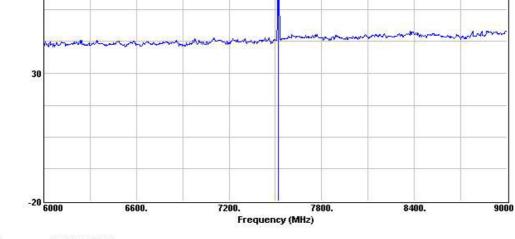
	Freq	Level				Probe Factor			Remark	Ant Pos	Table Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		CIV.	deg
1	3753.000	59.71			67.31	32.04	1.77	41.41	Peak		222	
2	5637.000	61.57			67.69	34.46	2.58	43 16	Peak			

4200.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255

FCC ID PJO2600 Page No. 46 of 69 Issued Date July 8, 2004 Level (dBuV/m)

Report No.: F451209



Site : 03CH03-HY

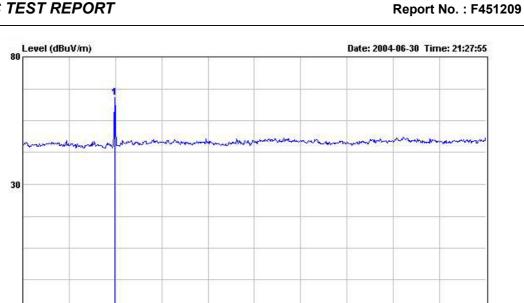
Condition: 3m HORN-ANT-6821 VERTICAL

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line						Ant Pos	Table Pos
8	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		- cm	deg
1	7518.000	67.83			70.80	36.72	2.69	42.38	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 47 of 69 Issued Date July 8, 2004



Frequency (MHz)

10200.

10600.

11000

Site : 03CH03-HY

-20 9000

Condition: 3m HORN-ANT-6821 VERTICAL

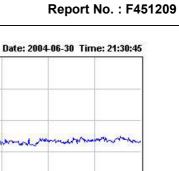
9400.

EUT : Mobile Phone Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

	Freq	Level		Limit Line						Ant Pos	Table Pos
3	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	. :	cm	deg
1	9398.000	64.02			62.04	38.20	3.94	40.16	Peak	122	

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 48 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004 Level (dBuV/m)



12600.

12200.

13000



Condition: 3m HORN-ANT-6821 VERTICAL EUT: Mobile Phone

Site

: 03CH03-HY

30

Power : 120V/60Hz Model : 2600

Memo : PCS Link Mode CH:661

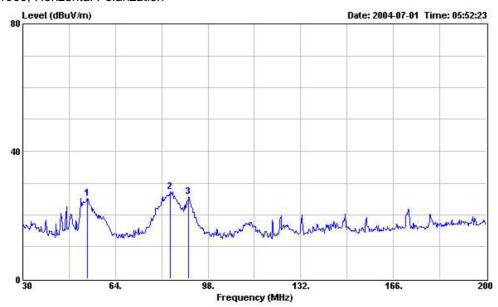
	Fre	eq	Lev	rel		Limit Line										Ant Pos	Table Pos
	M	Hz	dBul	7/m	dB	dBuV/m	- di	BuV		dB		dB	-	dB	· 8/	- cm	deg
1	11279 00	nn.	F2	94			49	47	20	20	4	21	29	94	Dook	12200	1222

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 49 of 69 Issued Date July 8, 2004

Report No.: F451209

Radiated Scanned Data Mode: Car Charger

GSM1900, Horizontal Polarization



Site : 03CH03-HY

Condition: 3m BIC-9124--301 HORIZONTAL

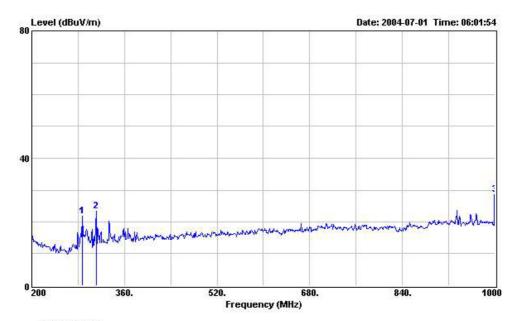
EUT : Moblie Phone Model : 2600 : DC1 2V Power

Memo : Car Charger+Earphone

: PCS Link Mode; CH 661

	Freq	Level	Over Limit	Limit Line		Probe Factor				Ant Pos	Table Pos
3	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		CW	deg
1	53.630	25.28			42.74	10.17	0.36	27.99	Peak	-222	(1 <u>.22.2</u>)
2	84.230	27.28			45.12	9.70	0.39	27.93	Peak		
3	90.860	25.66			43.80	9.30	0.48	27.92	Peak		

FCC ID PJO2600 TEL: 886-2-2696-2468 Page No. 50 of 69 FAX: 886-2-2696-2255 Issued Date July 8, 2004



Condition: 3m LOG-9111-221 HORIZONTAL

EUT: Moblie Phone Model: 2600 Power: DC1 2V

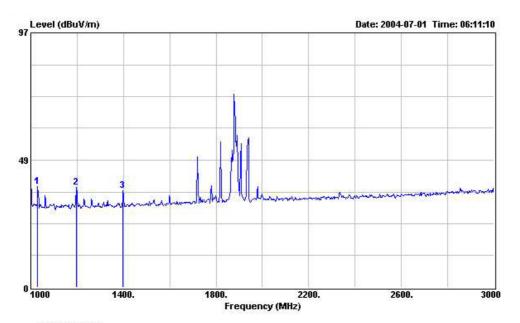
Memo : Car Charger+Earphone

: PCS Link Mode;CH 661

		Level	Over Limit	Limit Line		Probe Factor			Remark	Ant Pos	Table Pos
		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 88	GW	deg
1	288.000	21.79			35.11	12.89	1.14	27.35	Peak	8-2323	(<u>1111-</u>)
2	311.200	23.33			35.79	13.86	1.04	27.36	Peak		
3	1000.000	28.55			32.84	22.23	1.68	28.20	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255

FCC ID PJO2600 Page No. 51 of 69 Issued Date July 8, 2004



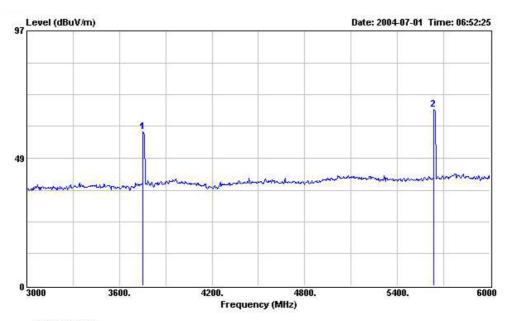
Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT : Moblie Phone Model : 2600 Power : DC1 2V

Memo : Car Charger+Earphone PCS Link Mode; CH 661

	: PCS										
			0ver	Limit	Read	Probe	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	\$ 	CW	deg
1	1030.000	38.50			53.58	23.91	1.15	40.14	Peak	1000	(5 <u>1514</u>)
2	1198.000	37.98			52.65	24.38	1.26	40.31	Peak		
3	1398.000	36.80			50.96	24.95	1.40	40.51	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 52 of 69 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT: Moblie Phone Model: 2600 Power: DC1 2V

Memo : Car Charger+Earphone

PCS Link Mode, CH 661

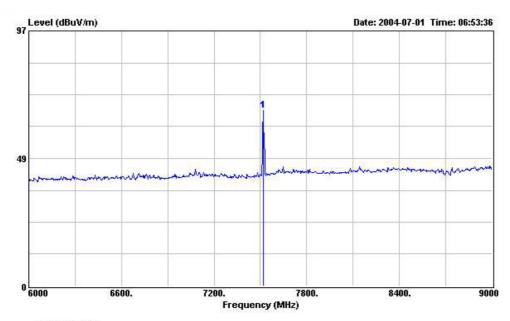
		Level		Limit Line						Ant Pos	Table Pos
		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 28	cm	deg
1	3753.000	58.65			66.25	32.04	1.77	41.41	Peak	8 <u>-252</u> 3	(<u>1223</u>)
2	5637.000	67.04			73.16	34.46	2.58	43.16	Peak		

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 53 of 69 Issued Date July 8, 2004

PJO2600

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Site : 03CH03-HY

Condition: 3m HORN-ANT-6821 HORIZONTAL

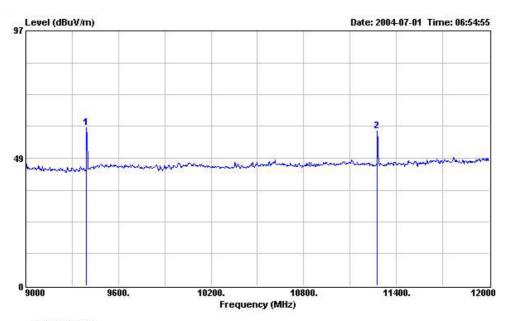
EUT : Moblie Phone Model : 2600 Power : DC1 2V

Memo : Car Charger+Earphone

: PCS Link Mode;CH 661

	Freq	Level		Limit Line					Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 81	CM	deg
Ĩ.	7518.000	66.74			69.71	36.72	2.69	42.38	Peak	8 <u>-232</u> 3	(2222)

FCC ID TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 HORIZONTAL

EUT: Moblie Phone Model: 2600 Power: DC1 2V

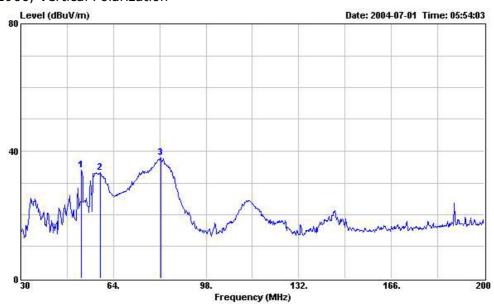
Memo : Car Charger+Earphone

: PCS Link Mode; CH 661

	Freq	Level		Limit Line						Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	k sk	GW	deg
1	9393.000	60.05			58.08	38.20	3.94	40.17	Peak	1222	(5 <u>252</u> 3)
2	11277.000	58.88			55.40	39.20	4.21	39.93	Peak		100000

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 55 of 69 Issued Date July 8, 2004 Mode: Car Charger

GSM1900, Vertical Polarization



Site : 03CH03-HY

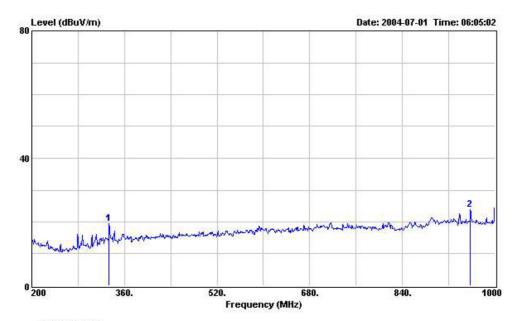
Condition: 3m BIC-9124--301 VERTICAL

EUT : Moblie Phone Model : 2600 Power : DC1 2V

Memo : Car Charger+Earphone : PCS Link Mode; CH 661

	450.57470.000	Level	Over Limit	Limit Line		Probe Factor				Ant Pos	Table Pos
3		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 28	CW	deg
1	52.270	34.01			51.54	10.13	0.33	27.99	Peak	8 <u>-252</u> 5	(<u>1222.4</u>)
2	59.070	33.34			50.59	10.27	0.46	27.98	Peak		
3	81.340	37.90			55.83	9.59	0.42	27.94	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 56 of 69 Issued Date July 8, 2004



Condition: 3m LOG-9111-221 VERTICAL

EUT: Moblie Phone Model: 2600 Power: DC1 2V

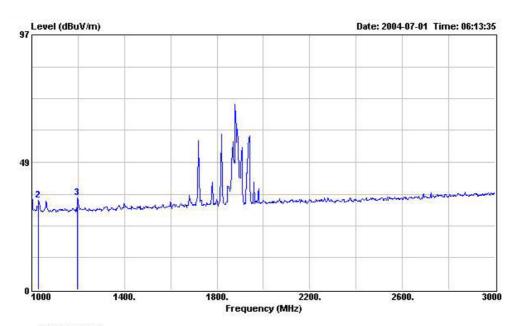
Memo : Car Charger+Earphone

: PCS Link Mode;CH 661

	9000 V 0.000	Level		Limit Line					Remark	Ant Pos	Table Pos
		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	\$ 23	CM	deg
1	333.600	19.55			30.91	15.01	1.10	27.47	Peak	82323	(5 <u>222-</u> 3
2	957.600	23.99			28.74	21.90	1.59	28.24	Peak		

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 57 of 69 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 VERTICAL

EUT : Moblie Phone : 2600 Model Power : DC1 2V

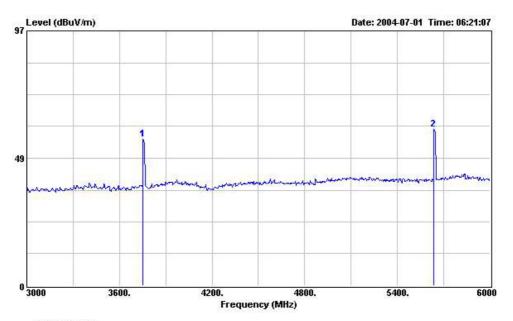
Memo : Car Charger+Earphone

: PCS Link Mode; CH 661

		Level		Limit Line					Remark	Ant Pos	Table Pos
		dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1000.000	35.81	232222		51.00	23.80	1.11	40.10	Peak	100	(0 <u>200</u> 2)
2	1030.000	34.01			49.09	23.91	1.15	40.14	Peak		
3	1198.000	34.99			49.66	24.38	1.26	40.31	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255

PJO2600 FCC ID Page No. 58 of 69 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 VERTICAL

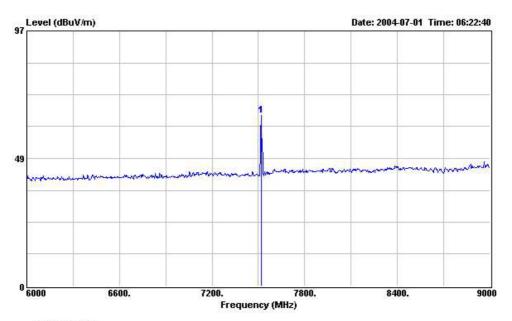
EUT: Moblie Phone Model: 2600 Power: DC1 2V

Memo : Car Charger+Earphone

: PCS Link Mode; CH 661

	Freq	Level		Limit Line					Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	· 	CW	deg
1	3753.000	55.85			63.45	32.04	1.77	41.41	Peak	1222	(62822)
2	5637.000	59.43			65.55	34.46	2.58	43.16	Peak		

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 59 of 69 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 VERTICAL

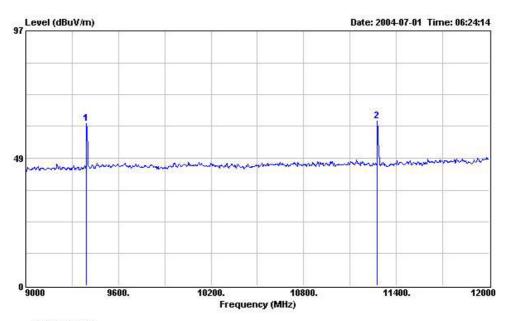
EUT: Moblie Phone Model: 2600 Power: DC1 2V

Memo : Car Charger+Earphone

: PCS Link Mode;CH 661

	Freq	Level		Limit Line						Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	6 60	CM	deg
1	7518.000	64.73			67.70	36.72	2.69	42.38	Peak	8 <u>-232</u> 8	(<u>1222</u>)

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID PJO2600 Page No. 60 of 69 Issued Date July 8, 2004



Condition: 3m HORN-ANT-6821 VERTICAL

EUT: Moblie Phone Model: 2600 Power: DC1 2V

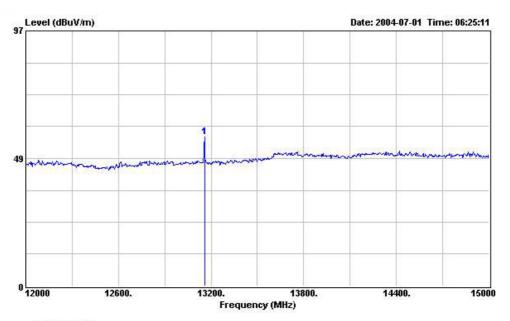
Memo : Car Charger+Earphone

: PCS Link Mode; CH 661

	Freq	Level		Limit Line				900000000000		Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	k k	CIV.	deg
1	9393.000	61.83			59.86	38.20	3.94	40.17	Peak	1222	(5252)
2	11277.000	62.67			59.19	39.20	4.21	39.93	Peak		10222

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Condition: 3m HORN-ANT-6821 VERTICAL

EUT : Moblie Phone Model : 2600 Power : DC1 2V

Memo : Car Charger+Earphone

: PCS Link Mode;CH 661

			0ver	Limit	Read	Probe	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 	CW CW	deg
1	13158.000	56.80			53.62	39.70	5.18	41.70	Peak	8 <u>-232</u> 3	(6 <u>1060a</u>)(

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Name of Test: Frequency Stability (Temperature Variation)

Specification: 47 CFR 2.1055(a)(1)

Test Conditions: As Indicated

Test Equipment: As per previous page

Measurement Procedure

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- 1. The EUT and test equipment were set up as shown on the following page.
- 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. Measurement Results: Attached

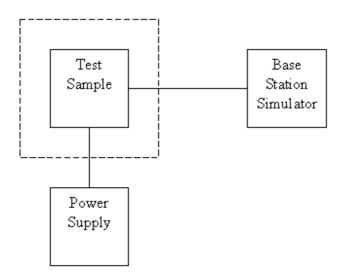
> Tested By: Tim Kao

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Transmitter Test Set-Up

Frequency Stability: Temperature Variation Frequency Stability: Voltage Variation



Asset	Model Name	S/N
Temperature & Humidity Controller	P-9000	612
AC/DC Power Source	HPA-500W	HPA0100024
Base Station Simulator	CMU200	102278
Base Station Simulator	E5515C	GB43460754

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Name of Test: Frequency Stability (Temperature Variation)

GSM 1900 (Channel 661)

Temperature(°C)	Change, Hz	Change, ppm
-30	-78	-0.04
-20	87	0.05
-10	92	0.05
0	85	0.04
10	85	0.04
20	97	0.05
30	73	0.04
40	97	0.05
50	110	0.06

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Name of Test: Frequency Stability (Voltage Variation)

Specification: 47 CFR 2.1055 (b)(1)

Test Equipment: As per previous page

Measurement Procedure

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- 1. The EUT was placed in a temperature chamber at 25±5°C and connected as for "Frequency Stability - Temperature Variation" test.
- 2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
- 3. The variation in frequency was measured for the worst case.

Results: Frequency Stability (Voltage Variation)

GSM1900 (Channel 661)

Nominal Value (Voltage) = 3.6

Battery End Point (Voltage) = 3.25

Voltage(Volt)	Change, Hz	Change, ppm
3.7	73	0.04
BEP	-92	-0.05
4.255	67	0.04

Limit: Must remain within authorized frequency block.

Tested By: Tim Kao

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Antenna Factor & Cable Loss

Frequency (MHz)	Antenna Factor (dB)	Cable Loss (dB)	Frequency (MHz)	Antenna Factor (dB)	Cable Loss (dB)
30	15.35	4.50	1000	24.10	3.92
35	13.63	1.13	2000	27.40	5.66
40	11.11	1.18	3000	30.00	7.20
45	10.59	1.26	4000	32.60	9.36
50	6.47	1.31	5000	33.40	9.16
55	5.83	1.34	6000	34.20	10.70
60	5.18	1.43	7000	35.30	12.16
65	4.81	1.52	8000	36.90	13.12
70	4.43	1.56	9000	38.10	13.81
75	5.10	1.57	10000	39.00	14.83
80	5.91	1.60	11000	38.60	15.83
85	7.33	1.66	12000	39.50	17.11
90	8.74	1.75	13000	39.30	17.62
95	9.05	1.76	14000	41.60	18.37
100	9.36	1.83	15000	40.60	19.10
110	9.65	1.86	16000	37.20	19.72
120	9.97	1.92	17000	40.20	21.98
130	10.51	2.00	18000	48.90	21.22
140	10.32	2.11	19000	37.60	23.90
150	9.42	2.18	20000	37.30	24.07
160	8.09	2.22	21000	37.00	25.49
170	7.43	2.26	22000	38.00	24.92
180	7.60	2.31	23000	38.70	25.60
190	7.43	2.37	24000	38.60	25.70
200	7.26	2.43	25000	24.10	3.92
220 240	9.11 10.88	2.56 2.70	14000 15000	27.40	5.66 7.20
260	11.75	2.70	16000	30.00 32.60	9.36
280	11.75	2.93	17000	33.40	9.36 9.16
300	11.36	3.03	18000	34.20	10.70
320	12.03	3.13	19000	35.30	12.16
340	12.69	3.13	20000	36.90	13.12
360	13.33	3.32	21000	38.10	13.81
380	14.00	3.41	22000	39.00	14.83
400	14.63	3.48	23000	38.60	15.83
450	15.33	3.71	24000	39.50	17.11
500	16.03	3.85	25000	39.30	17.62
550	16.65	4.03	20000	00.00	
600	17.29	4.32			
650	17.64	4.51			
700	18.00	4.54			
750	18.39	4.90			
800	18.79	5.04			
850	19.10	5.04			
900	19.42	5.20			
950	19.58	5.28			
1000	19.75	5.58			

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List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	Jun. 20, 2004	Radiation (03CH03-HY)
Spectrum analyzer	R&S	FSP40	100004	9KHZ~40GHz	Aug. 23, 2003	Radiation (03CH03-HY)
Amplifier	HP	8447D	2944A09072	100KHz – 1.3GHz	Nov. 05, 2003	Radiation (03CH03-HY)
Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30MHz –200MHz	Jul. 24, 2003	Radiation (03CH03-HY)
Log Antenna	SCHWARZBECK	VUSLP 9111	221	200MHz -1GHz	Jul. 24, 2003	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	Dec. 03, 2003	Radiation (03CH03-HY)
Amplifier	MITEQ	AFS44	879981	100MHz~26.5GHz	Jul. 23, 2003	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6821	1GHz – 18GHz	Sep. 12, 2003	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
RF Cable-HIGH	Jye Bao	RG142	CB030-HIGH	1GHz~29.5GHz	Dec. 05, 2003	Radiation (03CH03-HY)

Calibration Interval of instruments listed above is one year, except for Horn Antenna, BBHA9170.Calibration Interval of Horn Antenna, BBHA9170, is three years.

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Uncertainty of Test Site

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz) (03CH03)

Contribution	Uncerta	()			
	dB	Probability Distribution	$u(x_i)$		
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 Receiver VSWR $\Gamma 1=0.20$ Antenna VSWR $\Gamma 2=0.23$ Uncertainty= $20\log(1-\Gamma 1*\Gamma 2)$	+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			

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

Contribution	Uncerta	ainty of X _i Probability Distribution	$u(x_i)$	Ci	$Ci*u(x_i)$
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=20log(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=2Ue(y)			4.72		

 $U = \sqrt{\{(1/2)^2 + (0.3/2)^2 + (2^2 + 0.5^2 + 2^2 + 0.25^2 + 2^2)/3 + (0.54)^2/2\}} = 2.2 \quad \text{for 10m test distance}$ $U = \sqrt{\{(1/2)^2 + (0.3/2)^2 + (2^2 + 3^2 + 2^2 + 0.25^2 + 2^2)/3 + (0.54)^2/2\}} = 2.7 \quad \text{for 3m test distance}$

END OF TEST REPORT

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