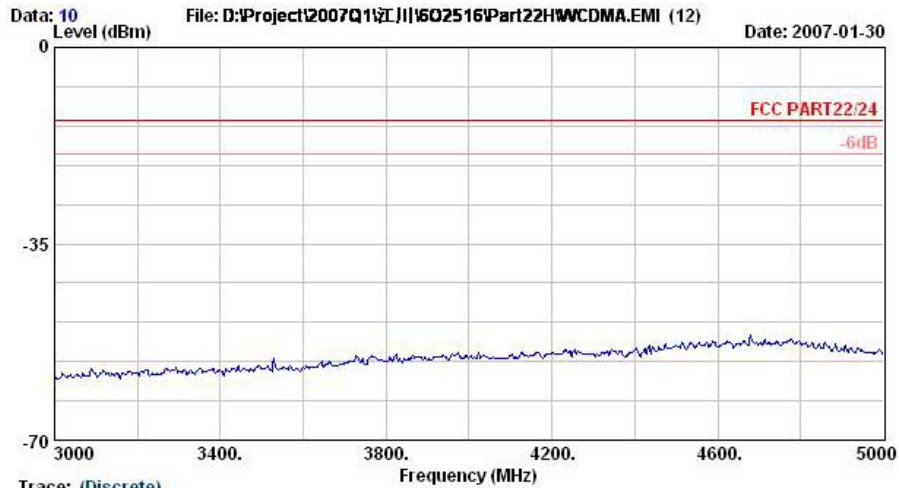




FCC TEST REPORT

Report No. : FG6O2516



Trace: (Discrete)
Site : 08CH06-HY
Condition : HP-SFURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

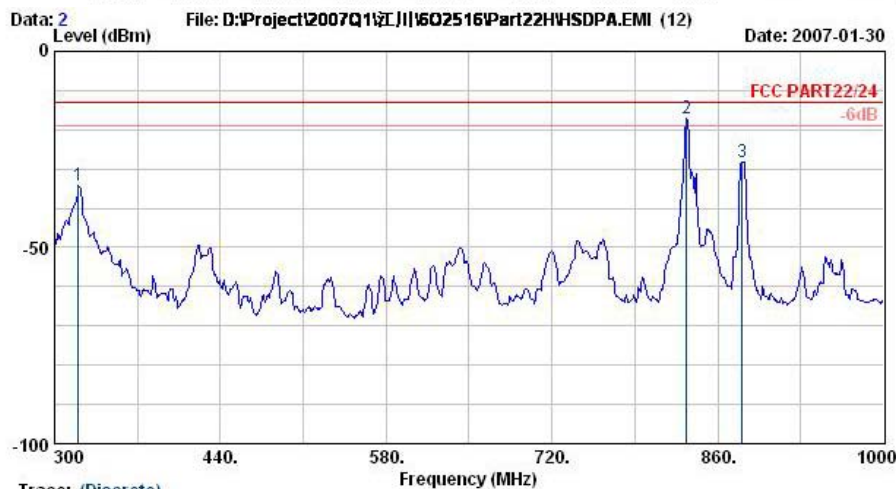
Remark : There is no more obvious emission except the listings above.

4.6.5.6 Mode 6
Horizontal Polarization

Trace: (Discrete)

Site : 09CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBm	dB	dBm	dBm	dB	dB	cm	deg	
1 @	35.9	-45.93	-32.93	-13.00	-42.63	-3.29	0.00	0.00	---	Peak
2	291.1	-47.46	-34.46	-13.00	-37.21	-10.25	0.00	0.00	---	Peak
3	299.7	-46.82	-33.82	-13.00	-36.88	-9.95	0.00	0.00	---	Peak



Trace: (Discrete)

Site : 09CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

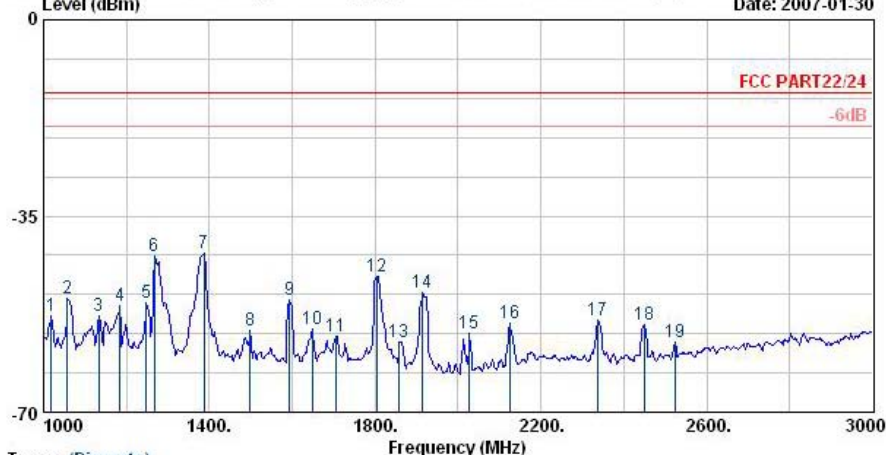
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBm	dB	dBm	dBm	dB	dB	cm	deg	
1 @	320.3	-34.34	-21.34	-13.00	-25.10	-9.24	0.00	0.00	---	Peak
2 @	833.4	-17.19			-15.82	-1.37	0.00	0.00	---	Peak
3 @	880.3	-28.32			-27.41	-0.91	0.00	0.00	---	Peak

Remark:

- #2: MS Signal
- #3: BS Signal



Data: 3 File: D:\Project\2007Q1\ZJ\I\602516\Part22\HSDPA.EMI (12) Date: 2007-01-30

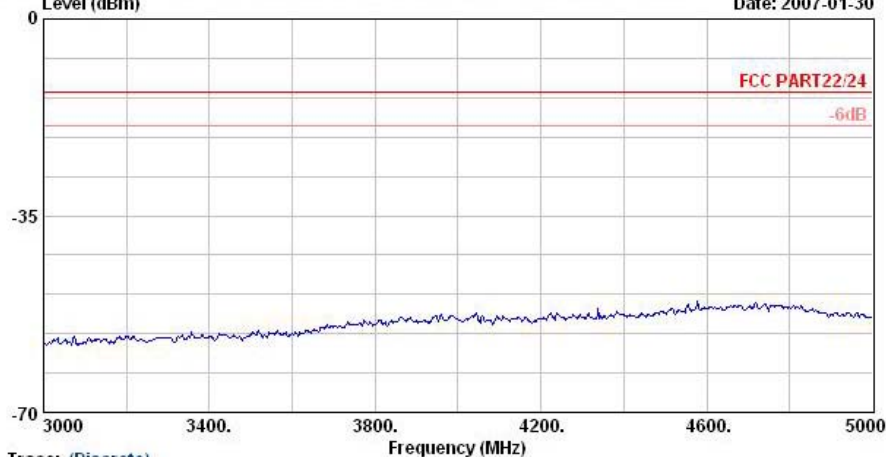


Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : HSDPA Link+ Adaptor

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBm	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBm	dBm	dB	dB	cm	deg	
1	1018.0	-52.89	-39.89	-13.00	-54.66	1.78	0.00	0.00	---	Peak
2	1058.0	-49.83	-36.83	-13.00	-51.53	1.71	0.00	0.00	---	Peak
3	1134.0	-52.72	-39.72	-13.00	-54.30	1.58	0.00	0.00	---	Peak
4	1184.0	-50.94	-37.94	-13.00	-52.38	1.44	0.00	0.00	---	Peak
5	1248.0	-50.58	-37.58	-13.00	-51.78	1.20	0.00	0.00	---	Peak
6 @	1268.0	-42.27	-29.27	-13.00	-43.36	1.09	0.00	0.00	---	Peak
7 @	1388.0	-41.68	-28.68	-13.00	-42.42	0.74	0.00	0.00	---	Peak
8	1498.0	-55.38	-42.38	-13.00	-55.83	0.45	0.00	0.00	---	Peak
9	1594.0	-50.07	-37.07	-13.00	-50.44	0.37	0.00	0.00	---	Peak
10	1648.0	-55.29	-42.29	-13.00	-55.61	0.31	0.00	0.00	---	Peak
11	1704.0	-56.39	-43.39	-13.00	-56.47	0.08	0.00	0.00	---	Peak
12 @	1804.0	-45.67	-32.67	-13.00	-45.46	-0.21	0.00	0.00	---	Peak
13	1858.0	-57.43	-44.43	-13.00	-56.92	-0.51	0.00	0.00	---	Peak
14	1914.0	-48.61	-35.61	-13.00	-47.80	-0.81	0.00	0.00	---	Peak
15	2028.0	-55.99	-42.99	-13.00	-54.96	-1.02	0.00	0.00	---	Peak
16	2124.0	-54.22	-41.22	-13.00	-54.22	-0.01	0.00	0.00	---	Peak
17	2338.0	-53.56	-40.56	-13.00	-54.38	0.82	0.00	0.00	---	Peak
18	2448.0	-54.45	-41.45	-13.00	-55.57	1.11	0.00	0.00	---	Peak
19	2524.0	-57.46	-44.46	-13.00	-58.87	1.41	0.00	0.00	---	Peak

Data: 4 File: D:\Project\2007Q1\ZJ\I\602516\Part22\HSDPA.EMI (12) Date: 2007-01-30



Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : HSDPA Link+ Adaptor

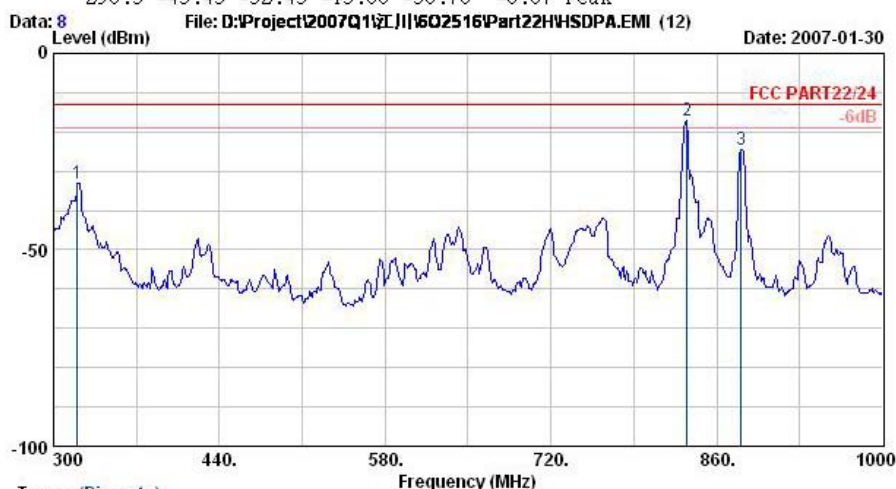


Vertical Polarization



Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	36.5	-44.54	-31.54	-13.00	-33.55	-10.99 Peak
2	75.6	-50.73	-37.73	-13.00	-39.55	-11.19 Peak
3	210.6	-47.30	-34.30	-13.00	-38.94	-8.36 Peak
4	266.0	-48.09	-35.09	-13.00	-40.91	-7.18 Peak
5	290.3	-45.45	-32.45	-13.00	-38.78	-6.67 Peak



Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBm	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBm	dBm	dB	dB	dB	cm	deg	
1 @	320.3	-33.12	-20.12	-13.00	-27.09	-6.03	0.00	0.00	---	---	Peak
2 @	834.8	-17.03			-18.37	1.35	0.00	0.00	---	---	Peak
3 @	880.3	-24.49			-26.21	1.71	0.00	0.00	---	---	Peak

Remark:

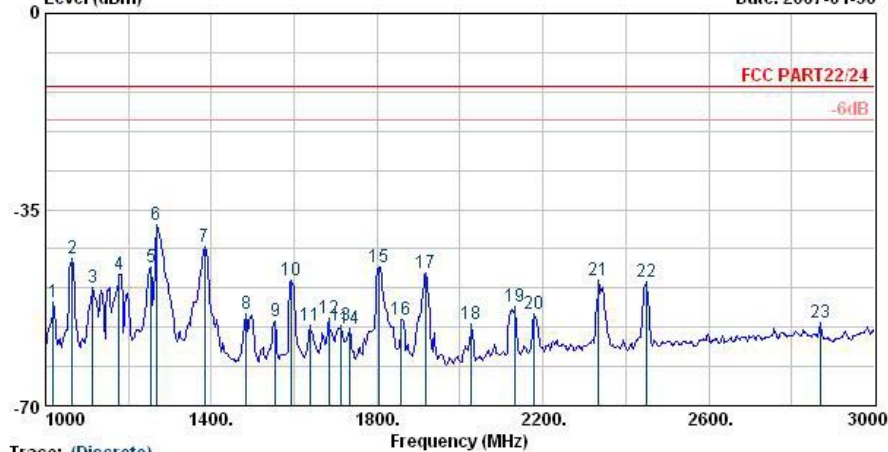
- #2: MS Signal
- #3: BS Signal



FCC TEST REPORT

Report No. : FG6O2516

Data: 9 File: D:\Project\2007Q1\江川\602516\Part22HSDPA.EMI (12) Date: 2007-01-30
Level (dBm)



Trace: (Discrete)

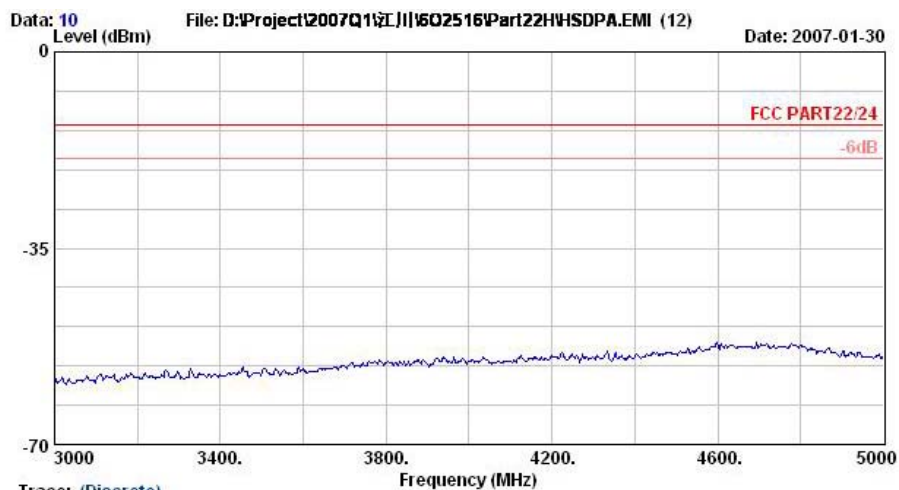
Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBm	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBm	dBm	dB	dB	cm	deg	
1	1018.0	-51.49	-38.49	-13.00	-50.76	-0.73	0.00	0.00	---	Peak
2 @	1064.0	-43.63	-30.63	-13.00	-42.85	-0.79	0.00	0.00	---	Peak
3	1114.0	-49.05	-36.05	-13.00	-48.31	-0.73	0.00	0.00	---	Peak
4	1178.0	-46.54	-33.54	-13.00	-45.81	-0.73	0.00	0.00	---	Peak
5 @	1254.0	-45.41	-32.41	-13.00	-44.64	-0.77	0.00	0.00	---	Peak
6 @	1268.0	-37.72	-24.72	-13.00	-36.89	-0.83	0.00	0.00	---	Peak
7 @	1384.0	-41.57	-28.57	-13.00	-40.64	-0.93	0.00	0.00	---	Peak
8	1484.0	-53.68	-40.68	-13.00	-52.71	-0.97	0.00	0.00	---	Peak
9	1554.0	-54.88	-41.88	-13.00	-54.18	-0.70	0.00	0.00	---	Peak
10	1594.0	-47.64	-34.64	-13.00	-46.97	-0.67	0.00	0.00	---	Peak
11	1638.0	-55.69	-42.69	-13.00	-55.23	-0.46	0.00	0.00	---	Peak
12	1684.0	-54.46	-41.46	-13.00	-53.95	-0.50	0.00	0.00	---	Peak
13	1714.0	-55.80	-42.80	-13.00	-55.38	-0.42	0.00	0.00	---	Peak
14	1734.0	-56.19	-43.19	-13.00	-55.85	-0.34	0.00	0.00	---	Peak
15 @	1804.0	-45.31	-32.31	-13.00	-45.00	-0.31	0.00	0.00	---	Peak
16	1858.0	-54.57	-41.57	-13.00	-54.17	-0.40	0.00	0.00	---	Peak
17	1918.0	-46.25	-33.25	-13.00	-45.75	-0.50	0.00	0.00	---	Peak
18	2028.0	-55.40	-42.40	-13.00	-55.04	-0.36	0.00	0.00	---	Peak
19	2134.0	-52.31	-39.31	-13.00	-53.06	0.75	0.00	0.00	---	Peak
20	2178.0	-53.69	-40.69	-13.00	-54.99	1.30	0.00	0.00	---	Peak
21	2334.0	-47.51	-34.51	-13.00	-49.25	1.75	0.00	0.00	---	Peak
22	2448.0	-47.99	-34.99	-13.00	-50.15	2.16	0.00	0.00	---	Peak
23	2868.0	-55.15	-42.15	-13.00	-58.45	3.30	0.00	0.00	---	Peak



FCC TEST REPORT

Report No. : FG6O2516

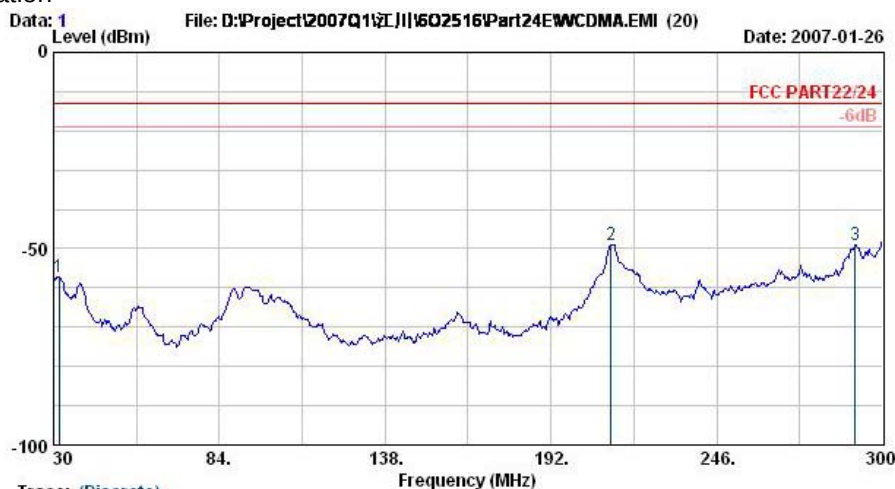


Remark : There is no more obvious emission except the listings above.

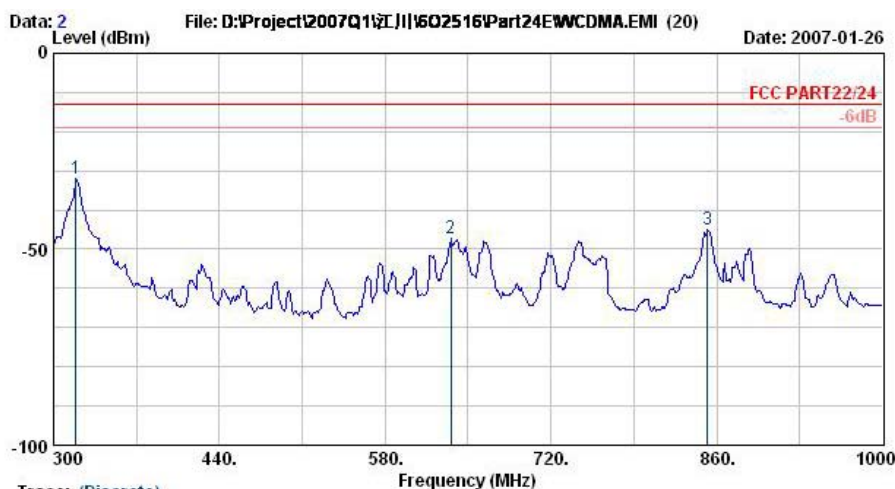


4.6.5.7 Mode 7

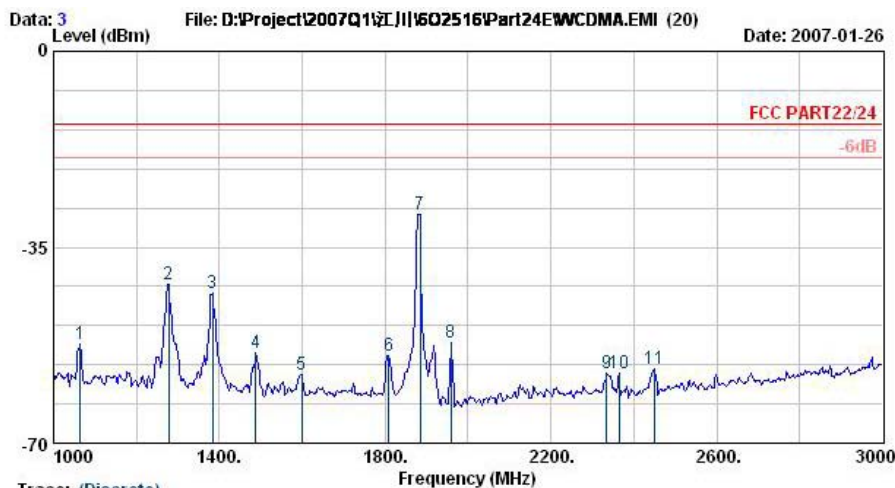
Horizontal Polarization



	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	31.9	-57.09	-44.09	-13.00	-56.23	-0.86 Peak
2 @	211.4	-48.90	-35.90	-13.00	-35.91	-12.99 Peak
3	291.1	-49.05	-36.05	-13.00	-38.81	-10.25 Peak



	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	318.9	-32.13	-19.13	-13.00	-22.85	-9.28 Peak
2 @	635.3	-47.32	-34.32	-13.00	-43.94	-3.38 Peak
3 @	852.3	-45.12	-32.12	-13.00	-43.93	-1.18 Peak



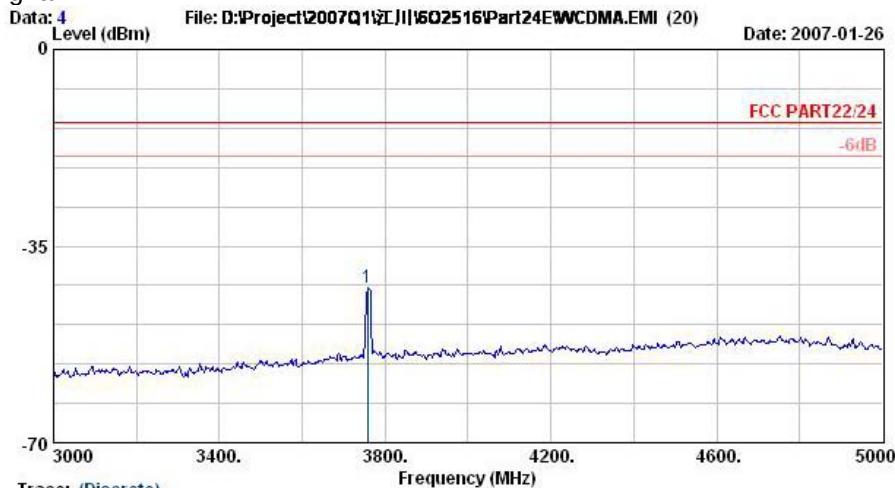
Trace: (Discrete)

Site : 09CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	1064.0	-52.25	-39.25	-13.00	-53.89	1.64	Peak
2 @	1278.0	-41.57	-28.57	-13.00	-42.66	1.09	Peak
3 @	1384.0	-43.24	-30.24	-13.00	-43.99	0.74	Peak
4	1488.0	-53.95	-40.95	-13.00	-54.40	0.45	Peak
5	1598.0	-57.65	-44.65	-13.00	-58.02	0.37	Peak
6	1808.0	-54.36	-41.36	-13.00	-54.15	-0.21	Peak
7 @	1884.0	-29.04			-28.36	-0.68	Peak
8	1958.0	-52.08			-50.97	-1.11	Peak
9	2334.0	-57.58	-44.58	-13.00	-58.40	0.82	Peak
10	2364.0	-57.55	-44.55	-13.00	-58.42	0.87	Peak
11	2448.0	-56.85	-43.85	-13.00	-57.97	1.11	Peak

Remark:

1. #7: MS Signal
2. #8: BS Signal



Trace: (Discrete)

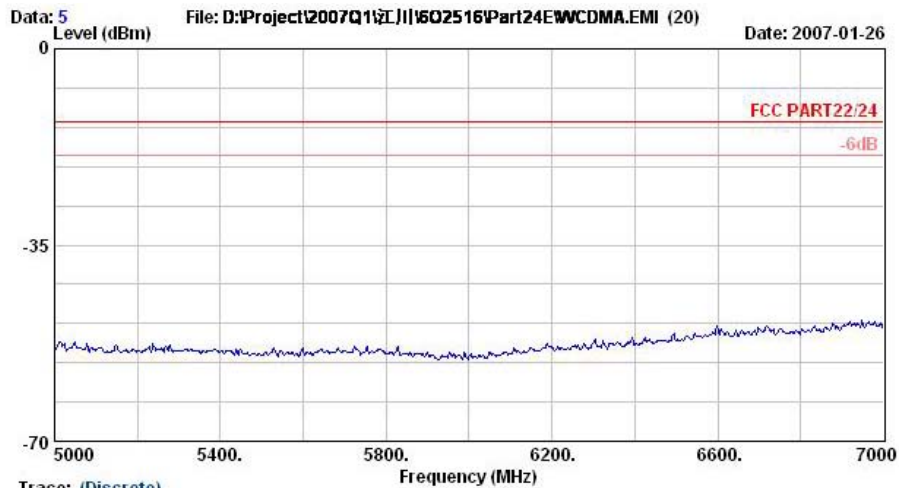
Site : 09CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	3758.0	-42.34	-29.34	-13.00	-50.26	7.92	Peak



FCC TEST REPORT

Report No. : FG6O2516



Trace: (Discrete)

Site : 08CH06-HY
Condition : HP-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11a/b/g
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

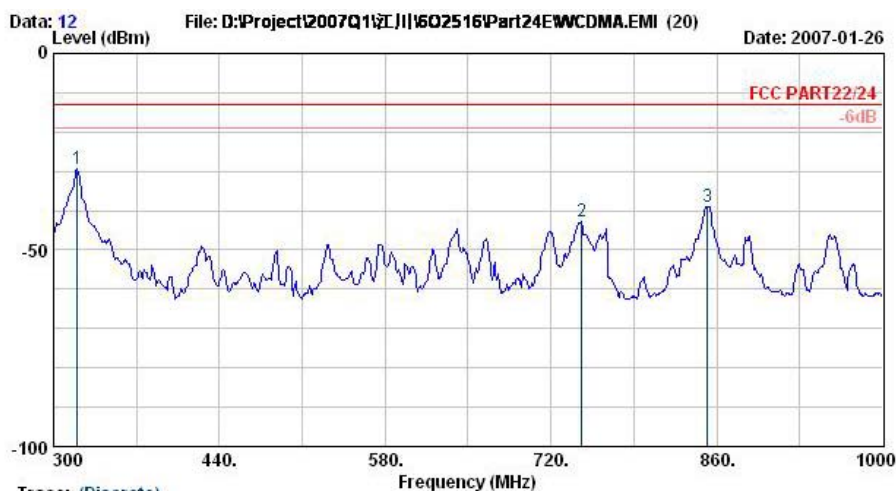


Vertical Polarization



Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1 @	31.9	-46.76	-33.76	-13.00	-37.14	-9.62 Peak
2 @	212.0	-47.10	-34.10	-13.00	-38.78	-8.32 Peak
3 @	291.1	-44.70	-31.70	-13.00	-38.06	-6.65 Peak



Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

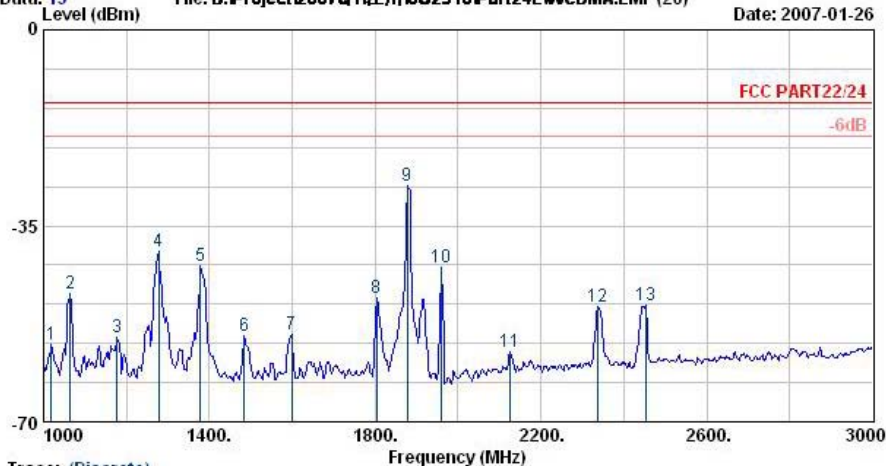
	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1 @	320.3	-29.45	-16.45	-13.00	-23.42	-6.03 Peak
2 @	745.9	-42.82	-29.82	-13.00	-43.08	0.25 Peak
3 @	852.3	-38.92	-25.92	-13.00	-40.41	1.49 Peak



FCC TEST REPORT

Report No. : FG6O2516

Data: 13 File: D:\Project\2007Q1\Z\11\602516\Part24EWCDMA.EMI (20) Date: 2007-01-26



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Wac/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	1018.0	-56.24	-43.24	-13.00	-55.51	-0.73	Peak
2 @	1064.0	-47.00	-34.00	-13.00	-46.21	-0.79	Peak
3	1178.0	-54.87	-41.87	-13.00	-54.14	-0.73	Peak
4 @	1278.0	-39.66	-26.66	-13.00	-38.83	-0.83	Peak
5 @	1378.0	-42.14	-29.14	-13.00	-41.21	-0.93	Peak
6	1484.0	-54.63	-41.63	-13.00	-53.66	-0.97	Peak
7	1598.0	-54.44	-41.44	-13.00	-53.77	-0.67	Peak
8 @	1804.0	-47.86	-34.86	-13.00	-47.55	-0.31	Peak
9 @	1878.0	-27.73			-27.33	-0.40	Peak
10 @	1958.0	-42.38			-41.79	-0.60	Peak
11	2124.0	-57.55	-44.55	-13.00	-58.29	0.75	Peak
12	2338.0	-49.34	-36.34	-13.00	-51.09	1.75	Peak
13	2454.0	-49.13	-36.13	-13.00	-51.29	2.16	Peak

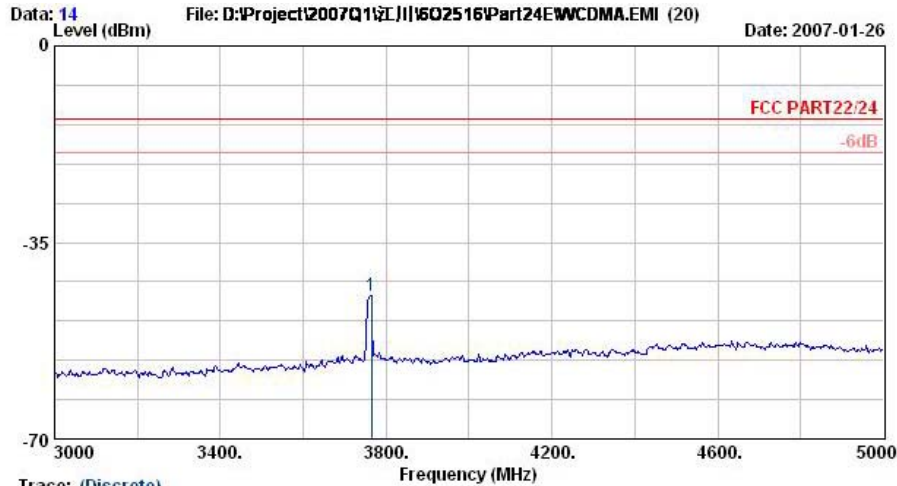
Remark:

1. #9: MS Signal
2. #10: BS Signal



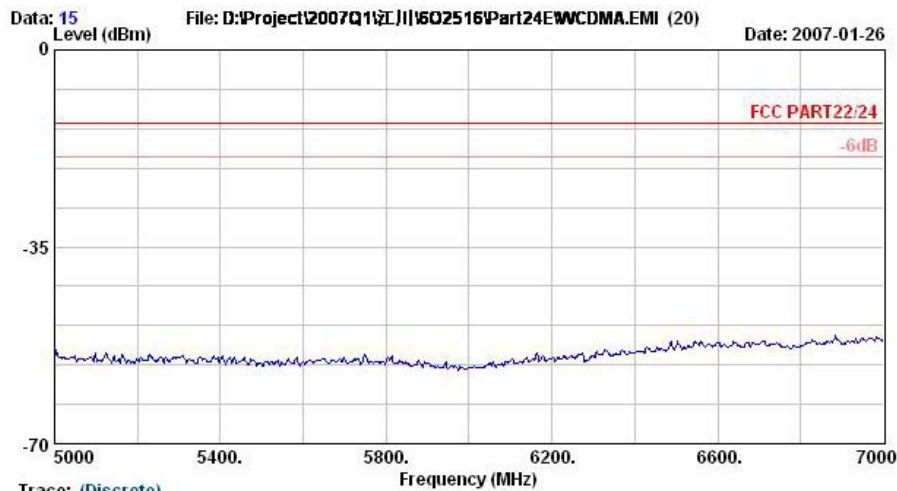
FCC TEST REPORT

Report No. : FG6O2516



Trace: (Discrete)
Site : 09CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	dB	dBm	dBm	Factor Remark
1 @	3764.0	-44.49	-31.49	-13.00	-51.12	6.64 Peak



Trace: (Discrete)
Site : 09CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : WCDMA Link+Adaptor

Remark : There is no more obvious emission except the listings above.



4.6.5.8 Mode 8

Horizontal Polarization



Trace: (Discrete)

Site : 03CH06-HY

Condition : LF-SPURIOUS HORIZONTAL

EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg

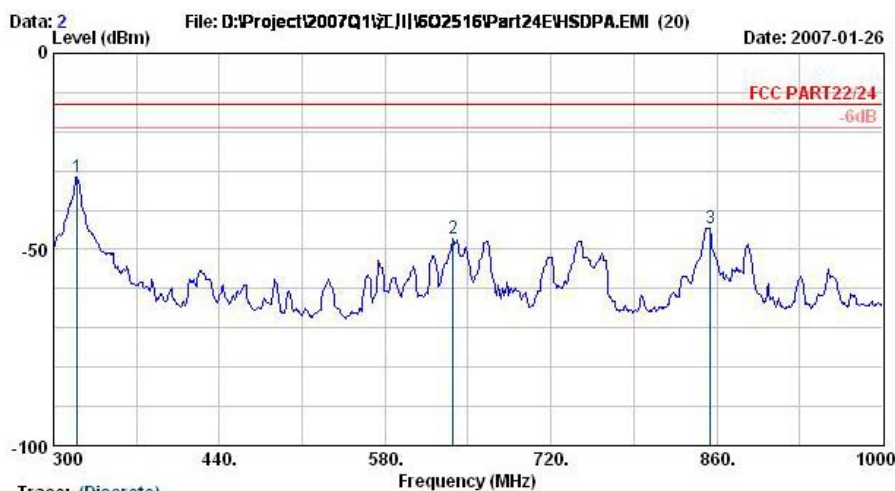
and BT 56K Modem

Power : 120Vac/60Hz

Model : FG6O2516

Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	31.1	-51.24	-38.24	-13.00	-50.99	-0.25	Peak
2	212.8	-49.13	-36.13	-13.00	-36.17	-12.96	Peak
3 @	291.6	-49.12	-36.12	-13.00	-38.91	-10.21	Peak



Trace: (Discrete)

Site : 03CH06-HY

Condition : LF-SPURIOUS HORIZONTAL

EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg

and BT 56K Modem

Power : 120Vac/60Hz

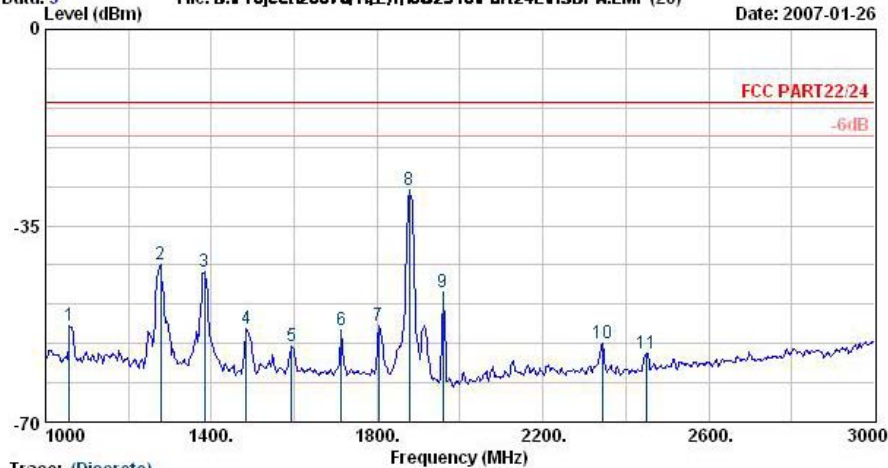
Model : FG6O2516

Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	320.3	-31.68	-18.68	-13.00	-22.43	-9.24	Peak
2 @	637.4	-47.33	-34.33	-13.00	-43.97	-3.36	Peak
3 @	854.4	-44.52	-31.52	-13.00	-43.36	-1.17	Peak



Data: 3 File: D:\Project\2007Q1\Z\J\I\602516\Part24EHSDPA.EMI (20) Date: 2007-01-26



Trace: (Discrete)

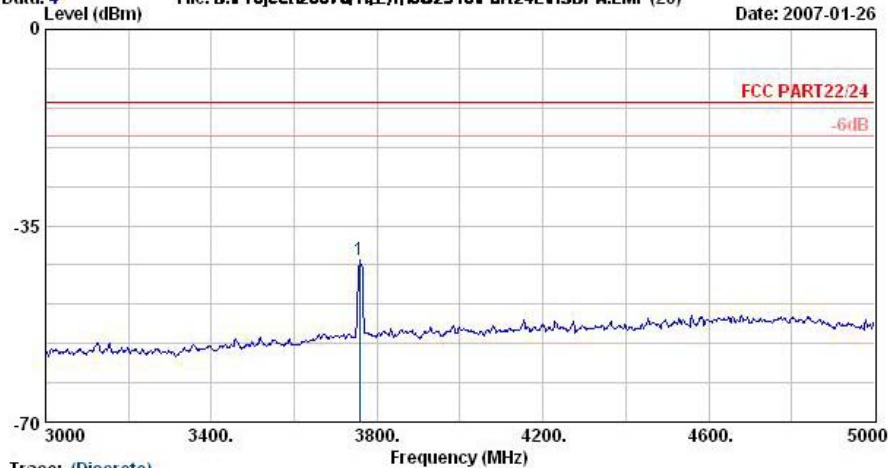
Site : 09CHO6-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	1058.0	-52.94	-39.94	-13.00	-54.65	1.71	Peak
2 @	1278.0	-41.98	-28.98	-13.00	-43.07	1.09	Peak
3 @	1384.0	-43.22	-30.22	-13.00	-43.96	0.74	Peak
4	1484.0	-53.40	-40.40	-13.00	-53.85	0.45	Peak
5	1594.0	-56.58	-43.58	-13.00	-56.96	0.37	Peak
6	1714.0	-53.48	-40.48	-13.00	-53.56	0.08	Peak
7	1804.0	-52.80	-39.80	-13.00	-52.59	-0.21	Peak
8 @	1878.0	-28.55			-28.04	-0.51	Peak
9 @	1958.0	-46.87			-45.76	-1.11	Peak
10	2344.0	-55.83	-42.83	-13.00	-56.70	0.87	Peak
11	2448.0	-57.65	-44.65	-13.00	-58.77	1.11	Peak

Remark:

1. #8: MS Signal
2. #9: BS Signal

Data: 4 File: D:\Project\2007Q1\Z\J\I\602516\Part24EHSDPA.EMI (20) Date: 2007-01-26



Trace: (Discrete)

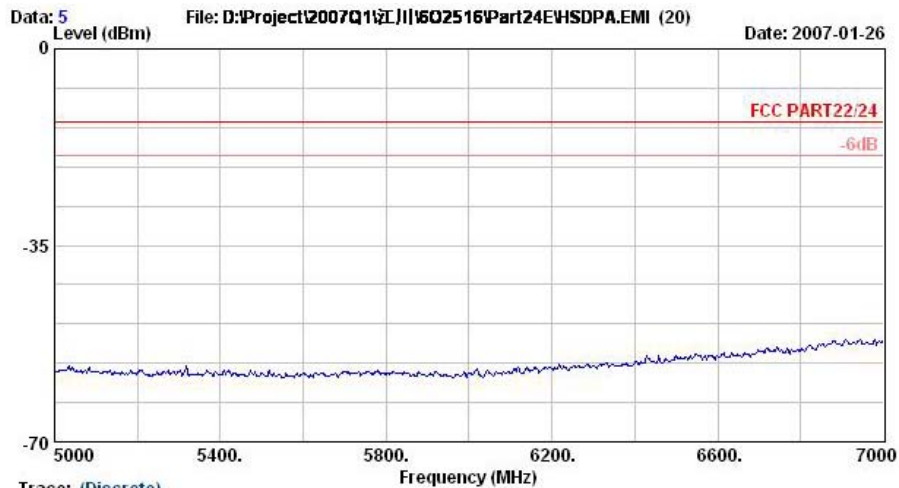
Site : 09CHO6-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	3758.0	-41.22	-28.22	-13.00	-49.14	7.92	Peak



FCC TEST REPORT

Report No. : FG6O2516



Trace: (Discrete)

Site : 08CH06-HY
Condition : HP-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120V_{ac}/60Hz
Model : FG6O2516
Mode : HSDPA Link+ Adaptor

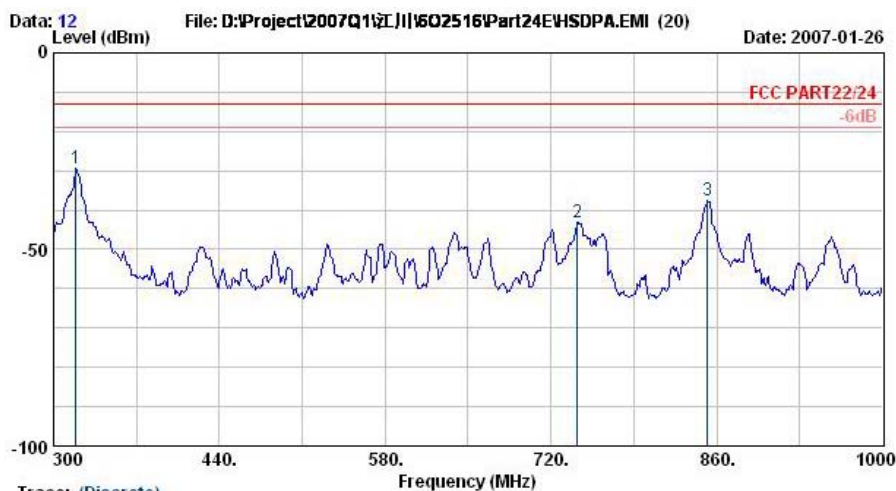


Vertical Polarization



Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	31.9	-46.07	-33.07	-13.00	-36.45	-9.62 Peak
2 @	212.8	-47.41	-34.41	-13.00	-39.09	-8.32 Peak
3 @	292.4	-44.88	-31.88	-13.00	-38.27	-6.60 Peak

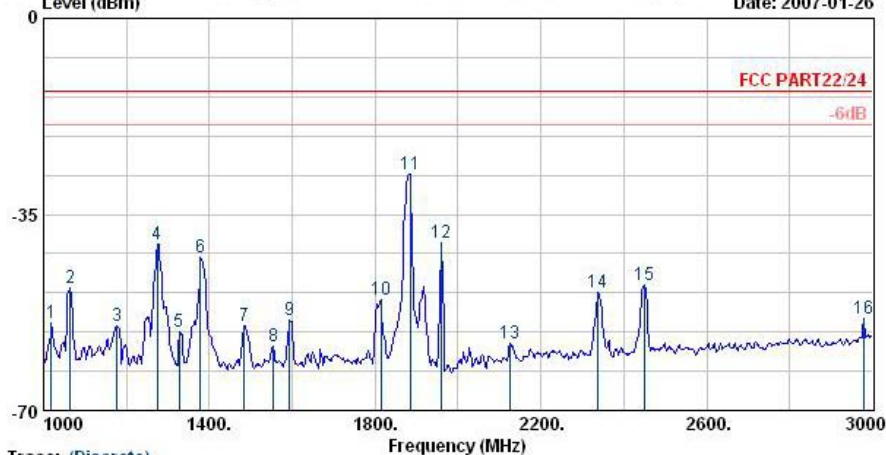


Trace: (Discrete)
Site : 09CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	318.9	-29.52	-16.52	-13.00	-23.48	-6.05 Peak
2 @	742.4	-42.98	-29.98	-13.00	-43.17	0.20 Peak
3 @	852.3	-37.69	-24.69	-13.00	-39.18	1.49 Peak



Data: 13 Level (dBm) File: D:\Project\2007Q1\Z\J\1602516\Part24EHSDPA.EMI (20) Date: 2007-01-26



Trace: (Discrete)

Site : 09CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/11abg
and BT 56K Modem
Power : 120Wac/80Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

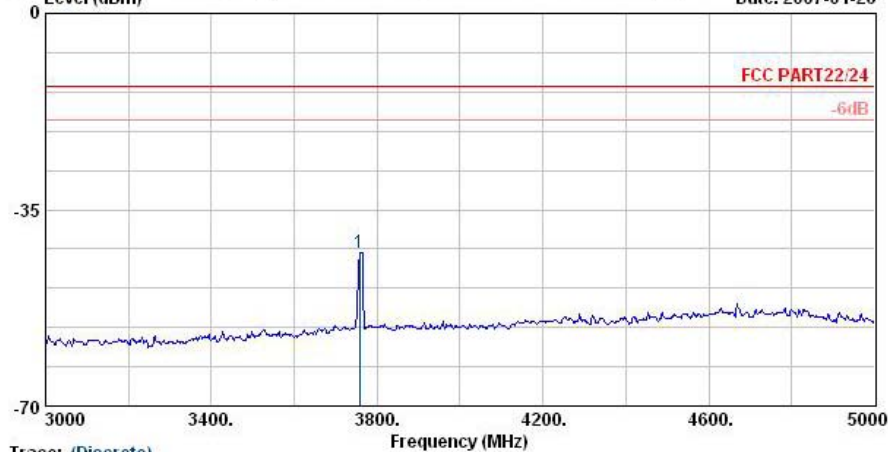
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	1018.0	-54.46	-41.46	-13.00	-53.73	-0.73	Peak
2 @	1064.0	-48.10	-35.10	-13.00	-47.31	-0.79	Peak
3	1178.0	-54.95	-41.95	-13.00	-54.21	-0.73	Peak
4 @	1274.0	-40.21	-27.21	-13.00	-39.38	-0.83	Peak
5	1328.0	-56.02	-43.02	-13.00	-55.22	-0.80	Peak
6 @	1378.0	-42.77	-29.77	-13.00	-41.84	-0.93	Peak
7	1484.0	-54.80	-41.80	-13.00	-53.83	-0.97	Peak
8	1554.0	-58.50	-45.50	-13.00	-57.81	-0.70	Peak
9	1594.0	-53.77	-40.77	-13.00	-53.10	-0.67	Peak
10	1814.0	-50.18	-37.18	-13.00	-49.87	-0.31	Peak
11 @	1884.0	-27.86			-27.36	-0.50	Peak
12 @	1958.0	-39.99			-39.39	-0.60	Peak
13	2124.0	-57.95	-44.95	-13.00	-58.69	0.75	Peak
14 @	2338.0	-48.92	-35.92	-13.00	-50.67	1.75	Peak
15 @	2448.0	-47.73	-34.73	-13.00	-49.88	2.16	Peak
16	2978.0	-53.68	-40.68	-13.00	-57.07	3.39	Peak

Remark:

1. #11: MS Signal
2. #12: BS Signal



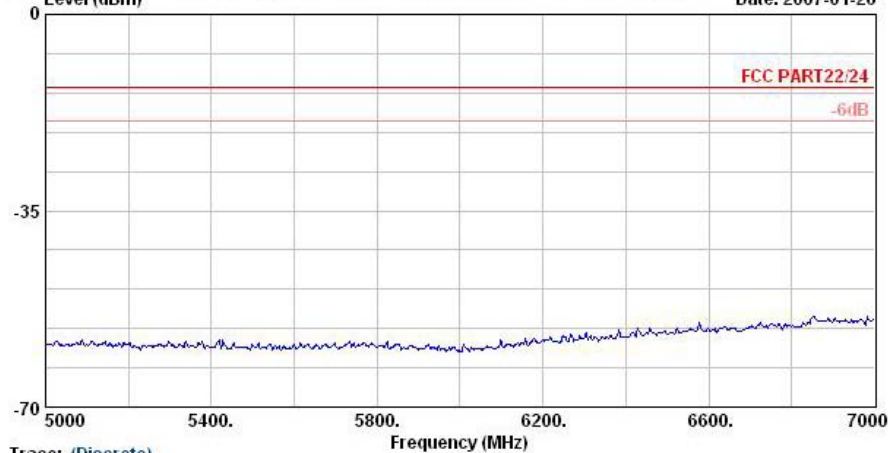
Data: 14 Level (dBm) File: D:\Project\2007Q1\Z\J\1602516\Part24EHSDPA.EMI (20) Date: 2007-01-26



Trace: (Discrete)
Site : 09CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	3758.0	-42.62	-29.62	-13.00	-49.26	6.64 Peak

Data: 15 Level (dBm) File: D:\Project\2007Q1\Z\J\1602516\Part24EHSDPA.EMI (20) Date: 2007-01-26



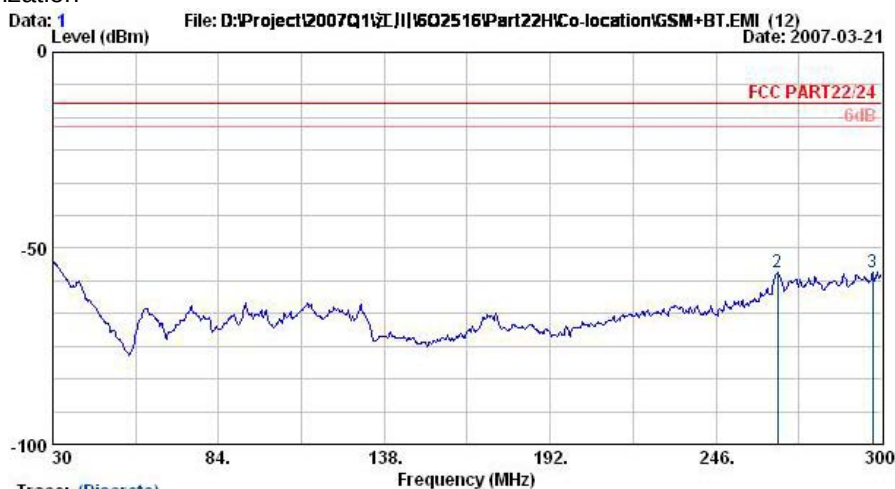
Trace: (Discrete)
Site : 09CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v,Wlan/11abg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG6O2516
Mode : HSDPA Link+Adaptor

Remark : There is no more obvious emission except the listings above.



4.6.5.9 Mode 9

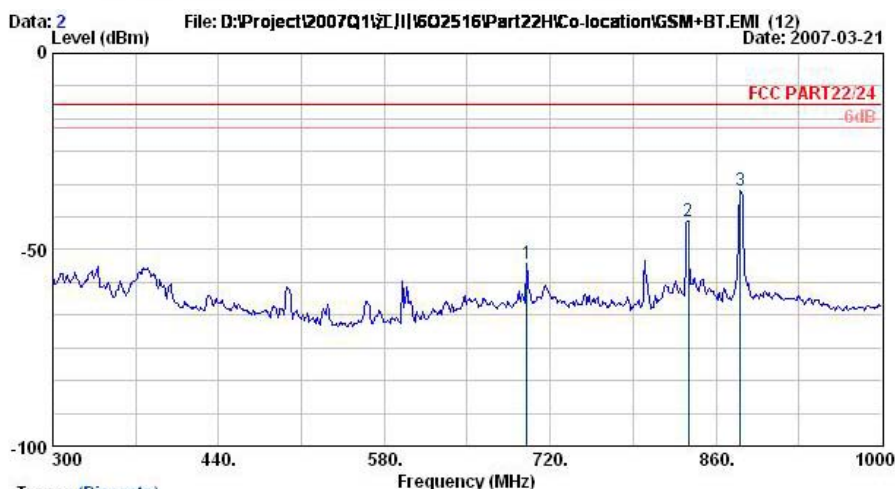
Horizontal Polarization



Trace: (Discrete)

Site : 03CH06-HY
Condition : LF-SPORTIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	30.00	-52.95	-39.95	-13.00	-53.31	0.36	Peak
2	265.98	-55.97	-42.97	-13.00	-44.86	-11.12	Peak
3	297.03	-56.12	-43.12	-13.00	-46.08	-10.05	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : LF-SPORTIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	700.40	-53.39	-40.39	-13.00	-50.67	-2.72	Peak
2	836.90	-42.75			-41.42	-1.33	Peak
3	880.30	-34.86			-33.95	-0.91	Peak

Remark:

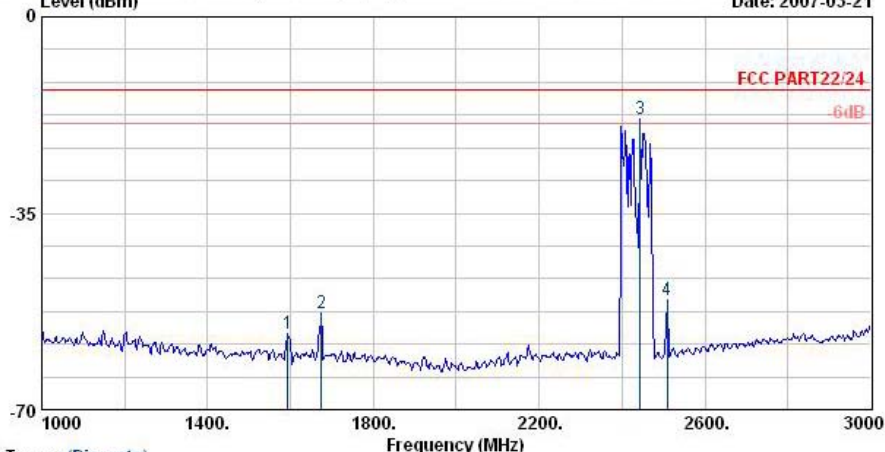
- #2: MS Signal
- #3: BS Signal



FCC TEST REPORT

Report No. : FG602516

Data: 3 File: D:\Project\2007Q1\江川\602516\Part22HW\Co-location\GSM+BT.EMI (12) Date: 2007-03-21



Trace: (Discrete)

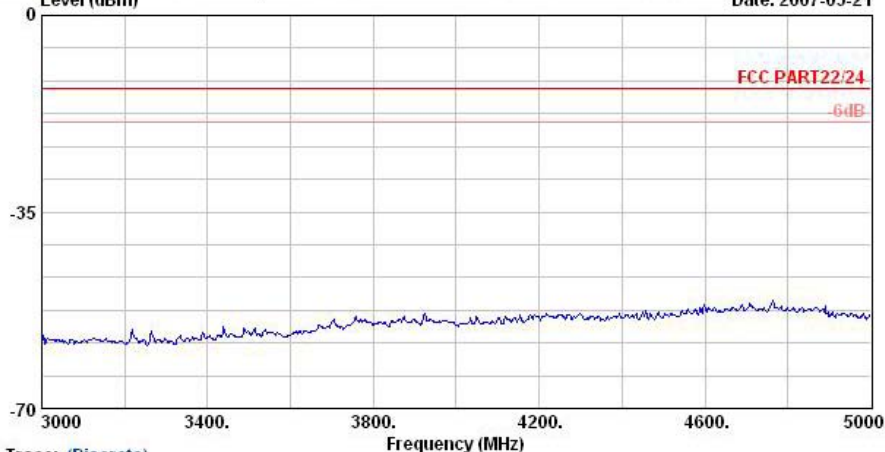
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1	1594.00	-56.50	-43.50	-13.00	-56.87	0.37 Peak
2	1674.00	-52.77	-39.77	-13.00	-53.00	0.22 Peak
3 !	2444.00	-18.17	-	-	-19.28	1.11 Peak
4	2508.00	-50.50	-37.50	-13.00	-51.70	1.20 Peak

Remark:

1. #3: BT Signal

Data: 4 File: D:\Project\2007Q1\江川\602516\Part22HW\Co-location\GSM+BT.EMI (12) Date: 2007-03-21



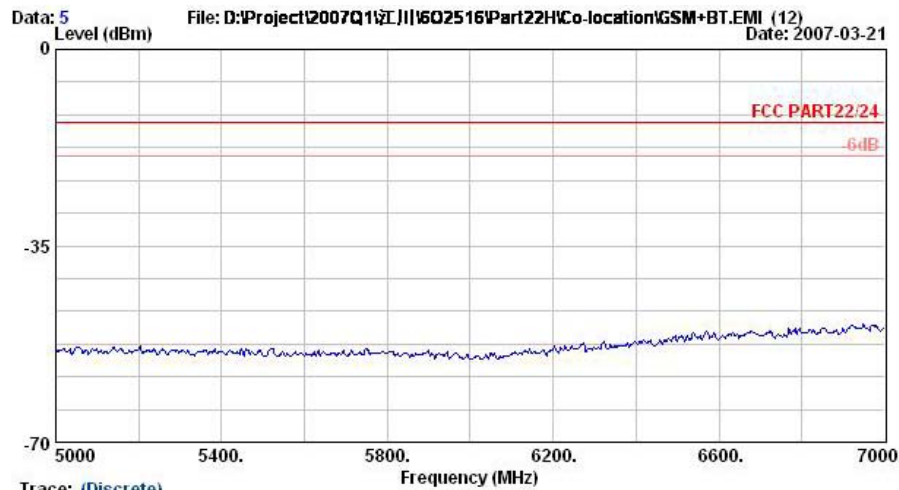
Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor



FCC TEST REPORT

Report No. : FG602516



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56X Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor



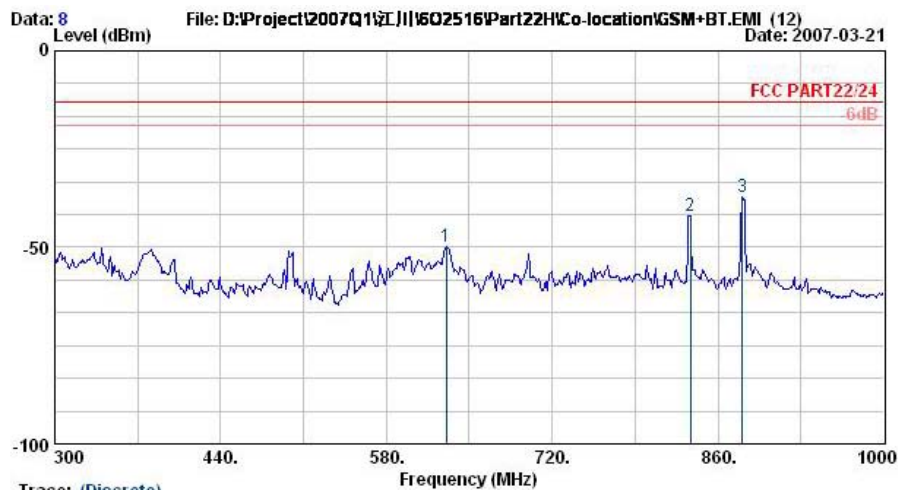
Vertical Polarization



Trace: (Discrete)

Site : 03CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1	31.89	-46.07	-33.07	-13.00	-36.45	-9.62 Peak
2	60.24	-48.52	-35.52	-13.00	-35.10	-13.42 Peak
3	68.88	-50.88	-37.88	-13.00	-38.72	-12.16 Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1	630.40	-49.63	-36.63	-13.00	-48.15	-1.48 Peak
2	836.90	-41.86			-43.22	1.36 Peak
3	880.30	-37.25			-38.96	1.71 Peak

Remark:

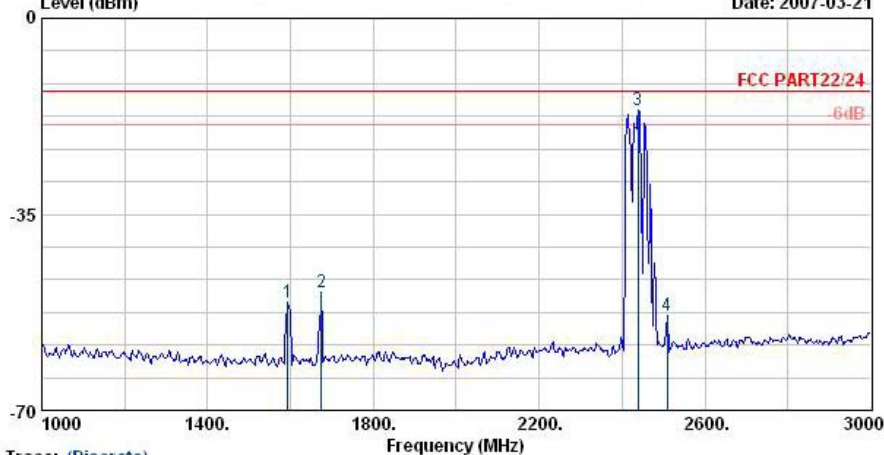
- #2: MS Signal
- #3: BS Signal



FCC TEST REPORT

Report No. : FG602516

Data: 9 File: D:\Project\2007Q1\江川\602516\Part22HW\Co-location\GSM+BT.EMI (12) Date: 2007-03-21



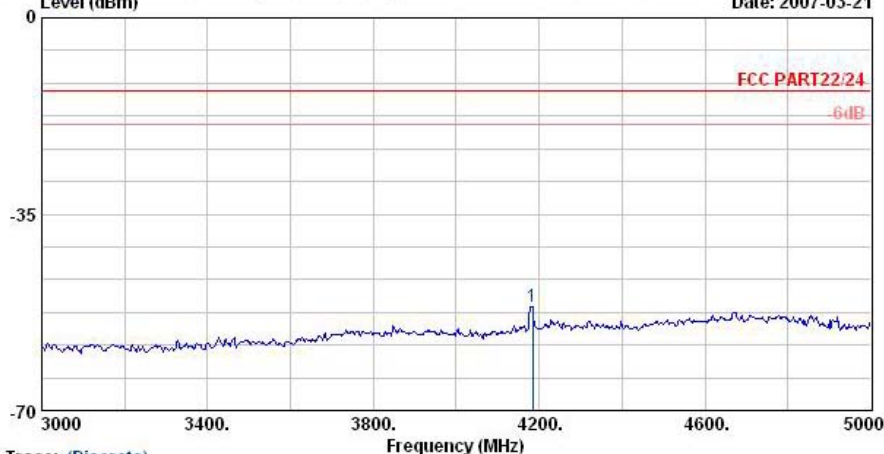
Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPORTOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	1594.00	-50.86	-37.86	-13.00	-50.19	-0.67 Peak
2	1674.00	-48.86	-35.86	-13.00	-48.38	-0.48 Peak
3 @	2438.00	-16.38	-	-	-18.39	2.01 Peak
4	2508.00	-52.99	-39.99	-13.00	-55.26	2.27 Peak

Remark:

1. #3: BT Signal

Data: 10 File: D:\Project\2007Q1\江川\602516\Part22HW\Co-location\GSM+BT.EMI (12) Date: 2007-03-21



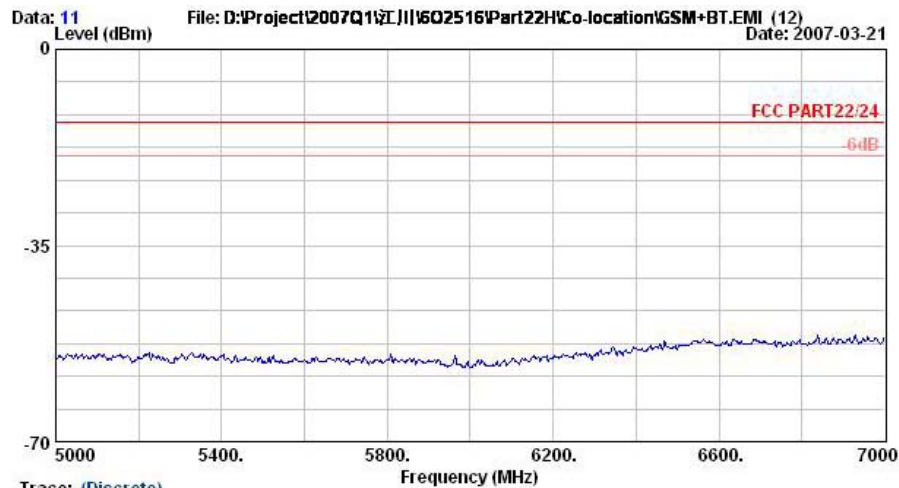
Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPORTOUS VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Mode : GSM 850 Link;Ch189+BT Link+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	4184.00	-51.59	-38.59	-13.00	-59.95	8.36 Peak



FCC TEST REPORT

Report No. : FG602516



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SPURIOUS VERTICAL

EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg

and BT 56K Modem

Power : 120Vac/60Hz

Model : FG 602516

Mode : GSM 850 Link;Ch189+BT Link+Adaptor

Remark : There is no more obvious emission except the listings above.

4.6.5.10 Mode 10
Horizontal Polarization

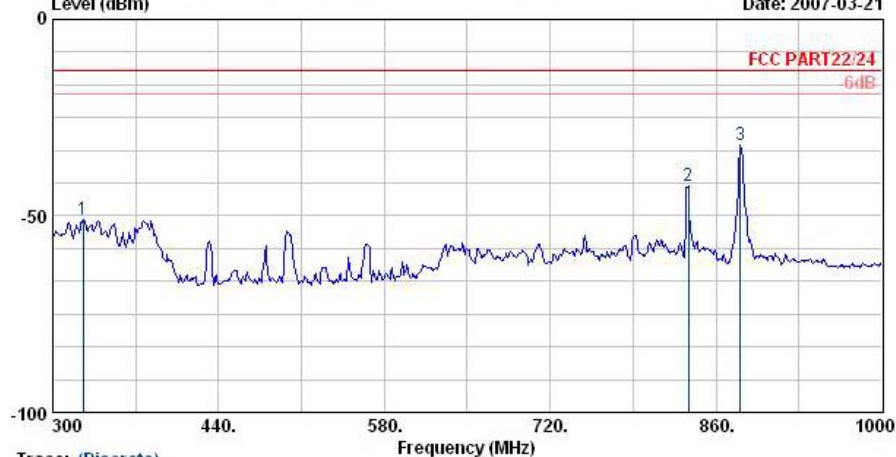
Data: 1 File: D:\Project\2007Q1\江川\602516\Part22HCo-location\GSM+WLAN.EMI (12) Date: 2007-03-21



Trace: (Discrete)
Site : 03CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dB	dBm		dB	
1 @	278.94	-53.34	-40.34	-13.00	-42.70	-10.65 Peak
2 @	282.99	-49.62	-36.62	-13.00	-39.11	-10.51 Peak
3 @	295.14	-53.58	-40.58	-13.00	-43.47	-10.11 Peak

Data: 2 File: D:\Project\2007Q1\江川\602516\Part22HCo-location\GSM+WLAN.EMI (12) Date: 2007-03-21



Trace: (Discrete)
Site : 03CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/llabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dB	dBm		dB	
1 @	325.90	-51.08	-38.08	-13.00	-42.04	-9.04 Peak
2 @	836.90	-42.47			-41.14	-1.33 Peak
3 @	880.30	-31.85			-30.94	-0.91 Peak

Remark:

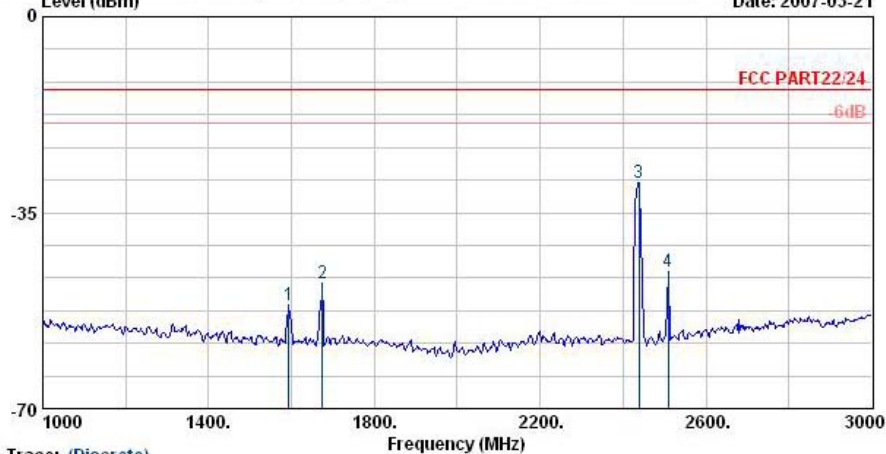
1. #2: MS Signal
2. #3: BS Signal



FCC TEST REPORT

Report No. : FG602516

Data: 3 File: D:\Project\2007Q1\江川\602516\Part22H\Co-location\GSM+WLAN.EMI (12) Date: 2007-03-21



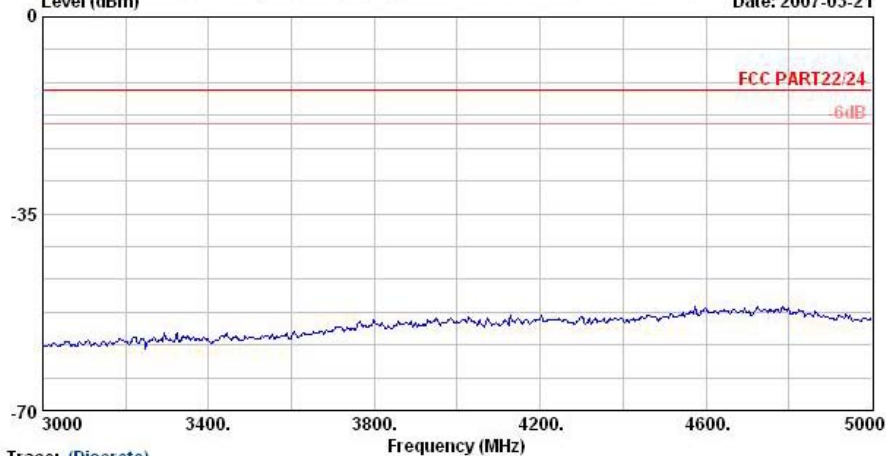
Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/Ilabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	1594.00	-51.43	-38.43	-13.00	-51.80	0.37 Peak
2 @	1674.00	-47.75	-34.75	-13.00	-47.97	0.22 Peak
3 @	2438.00	-29.61			-30.61	1.00 Peak
4 @	2508.00	-45.56	-32.56	-13.00	-46.76	1.20 Peak

Remark:

1. #3: WLAN Signal

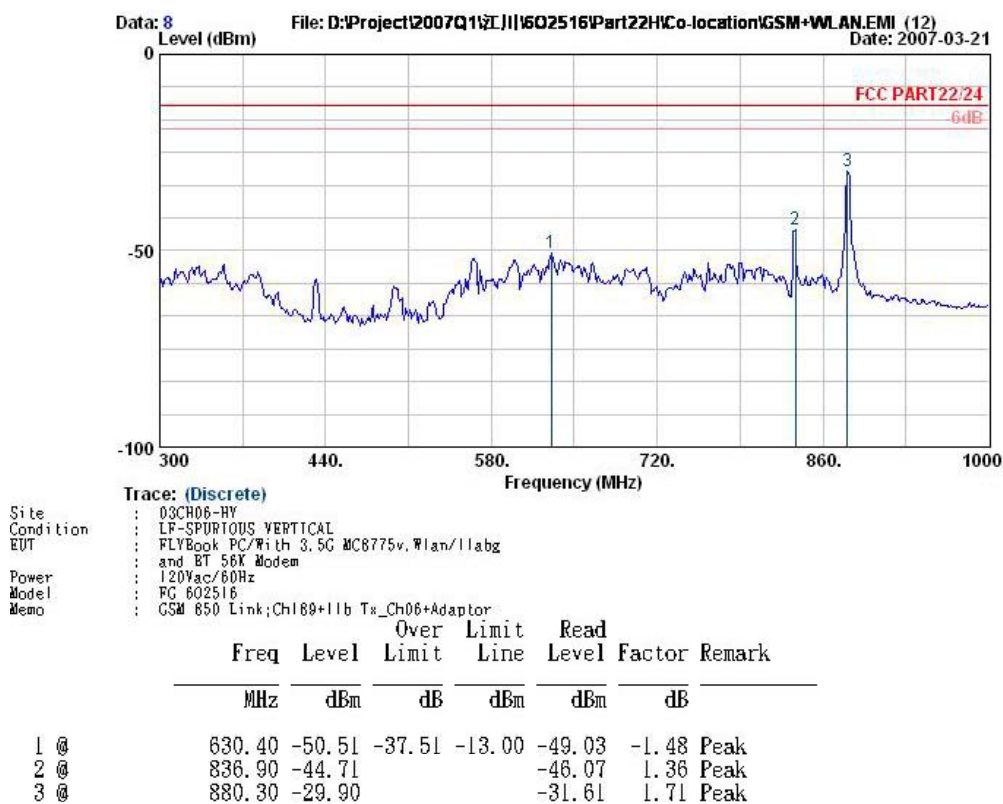
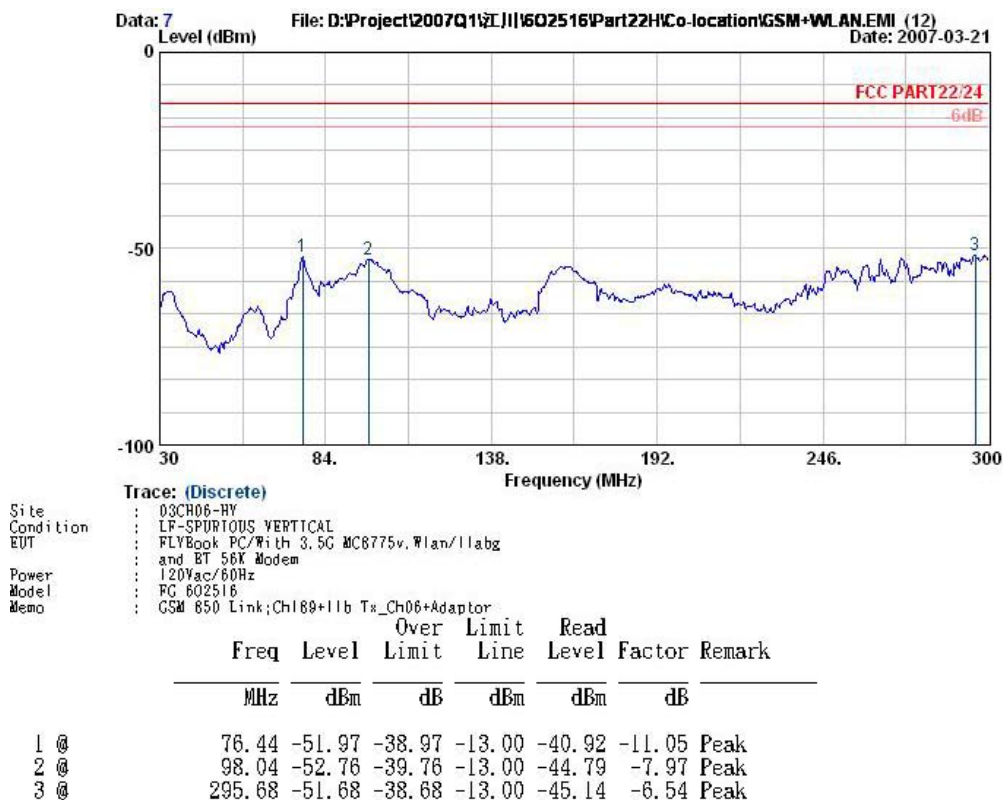
Data: 4 File: D:\Project\2007Q1\江川\602516\Part22H\Co-location\GSM+WLAN.EMI (12) Date: 2007-03-21



Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/Ilabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor



Vertical Polarization

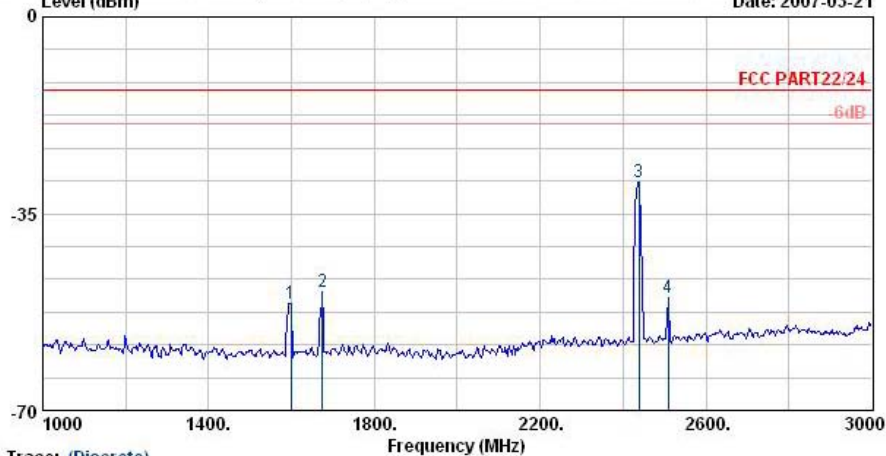


Remark:

- #2: MS Signal
- #3: BS Signal



Data: 9 File: D:\Project\2007Q1\江川\602516\Part22HCo-location\GSM+WLAN.EMI (12) Date: 2007-03-21



Trace: (Discrete)

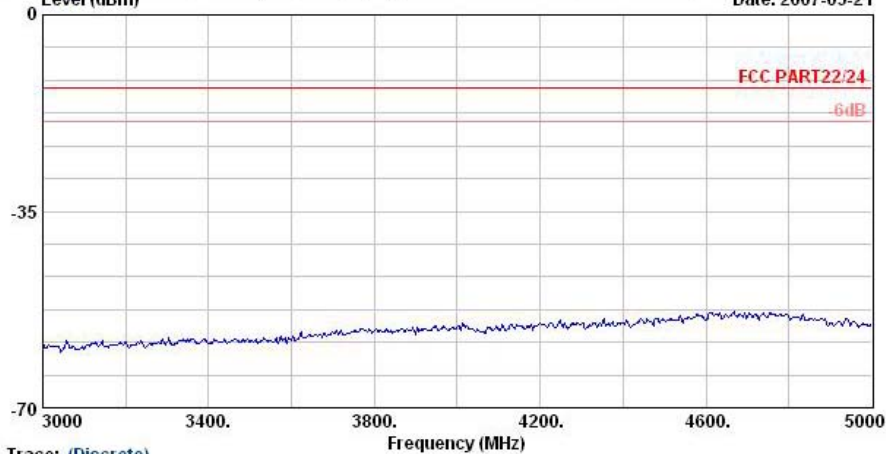
Site : 03CH06-HY
Condition : HF-SPORTON VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/Ilabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1 @	1598.00	-50.88	-37.88	-13.00	-50.21	-0.67 Peak
2 @	1674.00	-48.96	-35.96	-13.00	-48.48	-0.48 Peak
3 @	2438.00	-29.41			-31.43	2.01 Peak
4 @	2508.00	-50.07	-37.07	-13.00	-52.34	2.27 Peak

Remark:

1. #3: WLAN Signal

Data: 10 File: D:\Project\2007Q1\江川\602516\Part22HCo-location\GSM+WLAN.EMI (12) Date: 2007-03-21



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPORTON VERTICAL
EUT : FLYBook PC/With 3.5G MC8775v, Wlan/Ilabg
and BT 56K Modem
Power : 120Vac/60Hz
Model : FG 602516
Memo : GSM 850 Link;Ch189+11b Tx_Ch06+Adaptor

Remark : There is no more obvious emission except the listings above.

4.7 Frequency Stability (Temperature Variation)

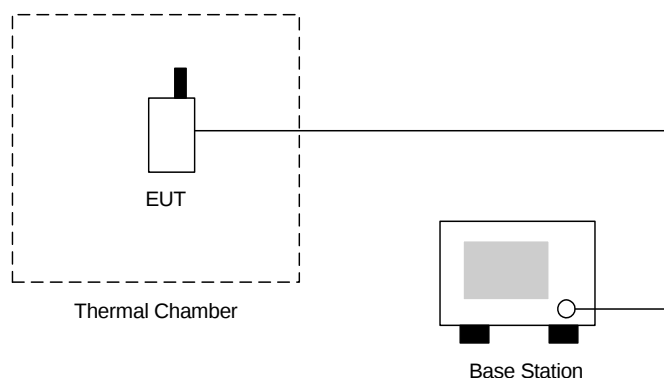
4.7.1 Measurement Instrument

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
▪ Test Mode : GSM850 (GSM) CH189

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	-55	-0.03		
0	-38	-0.02		
10	30	0.02		
20	26	0.01		
30	-28	-0.01		
40	-30	-0.02		
50	-37	-0.02		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : GSM850 (EDGE) CH189

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	-44	-0.02		
0	-30	-0.02		
10	-26	-0.01		
20	-22	-0.01		
30	20	0.01		
40	28	0.01		
50	-30	-0.02		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : PCS1900 (GSM) CH661

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	53	0.03		
0	26	0.01		
10	33	0.02		
20	28	0.01		
30	36	0.02		
40	-39	-0.02		
50	-48	-0.03		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : PCS1900 (EDGE) CH661

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	66	0.03		
0	52	0.03		
10	-40	-0.02		
20	38	0.02		
30	42	0.02		
40	54	0.03		
50	-58	-0.03		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : WCDMA Band V CH4182

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	29	0.02		
0	26	0.01		
10	11	0.01		
20	-15	-0.01		
30	-23	-0.01		
40	33	0.02		
50	35	0.02		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : WCDMA Band V (HSDPA) CH4182

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	-34	-0.02		
0	-30	-0.02		
10	22	0.01		
20	26	0.01		
30	-25	-0.01		
40	-28	-0.01		
50	31	0.02		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : WCDMA Band II CH9400

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	-42	-0.02		
0	-33	-0.02		
10	28	0.01		
20	-17	-0.01		
30	22	0.01		
40	25	0.01		
50	-28	-0.01		

Remark: The DUT can not be turned on at -20~-30 .

▪ Test Mode : WCDMA Band II (HSDPA) CH9400

Temperature()	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-	-	2.5	Passed
-20	-	-		
-10	-40	-0.02		
0	38	0.02		
10	-28	-0.01		
20	26	0.01		
30	22	0.01		
40	-30	-0.02		
50	-33	-0.02		

Remark: The DUT can not be turned on at -20~-30 .

4.8 Frequency Stability (Voltage Variation)

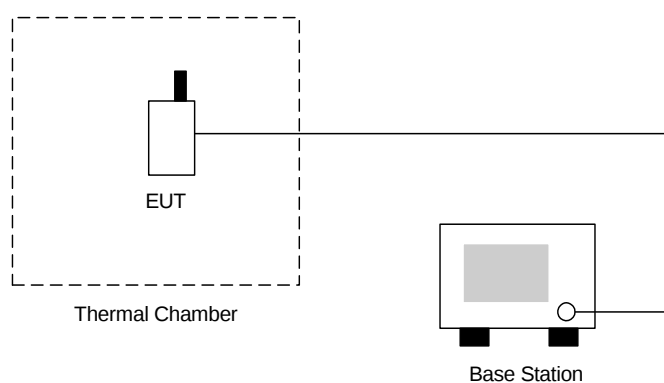
4.8.1 Measurement Instrument

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

- Test Mode : GSM850 (GSM) CH189

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	-51.0	-0.03	2.5	Passed
11.1	47.0	0.02		
12.8	34.0	0.02		

- Test Mode : GSM850 (EDGE) CH189

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	-47.0	-0.02	2.5	Passed
11.1	28.0	0.01		
12.8	39.0	0.02		

- Test Mode : PCS1900 (GSM) CH661

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	57.0	0.03	2.5	Passed
11.1	64.0	0.03		
12.8	52.0	0.03		

- Test Mode : PCS1900 (EDGE) CH661

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	40.0	0.02	2.5	Passed
11.1	68.0	0.04		
12.8	-48.0	-0.03		

- Test Mode : WCDMA Band V CH4182

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	37.0	0.02	2.5	Passed
11.1	28.0	0.01		
12.8	34.0	0.02		

- Test Mode : WCDMA Band V (HSDPA) CH4182

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	-39.0	-0.02	2.5	Passed
11.1	28.0	0.01		
12.8	34.0	0.02		

- Test Mode : WCDMA Band II CH9400

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	-38.0	-0.02	2.5	Passed
11.1	-47.0	-0.02		
12.8	26.0	0.01		



- Test Mode : WCDMA Band II (HSDPA) CH9400

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
9.4	48.0	0.03	2.5	Passed
11.1	-24.0	-0.01		
12.8	-41.0	-0.02		

Remark:

1. Normal Voltage=11.1V.
2. Battery End Point (BEP)=9.4V.

5 List of Measurement Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Jul. 25, 2006	Jul. 24, 2007	Radiation (03CH06-HY)
Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jun. 28, 2006	Jun. 27, 2007	Radiation (03CH06-HY)
Controller	CT	SC100	N/A	N/A	N/A	N/A	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 21, 2006	Nov. 21, 2008	Radiation (03CH06-HY)
Horn Antenna	Com-Power	AH118	071025	1G-18G	Mar. 29, 2006	Mar. 29, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Jul. 21, 2006	Jul. 20, 2007	Radiation (03CH06-HY)
Amplifier	MITEQ	AMF-6F	997165	26G - 40G	Jul. 21, 2006	Jul. 20, 2007	Radiation (03CH06-HY)
Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	N/A	Radiation (03CH06-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	N/A	Radiation (03CH06-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Feb. 08, 2007	Feb. 08, 2008	Radiation (03CH06-HY)
Power Sensor	Agilent	E9327A	US40441548	N/A	Feb. 08, 2007	Feb. 08, 2008	Radiation (03CH06-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