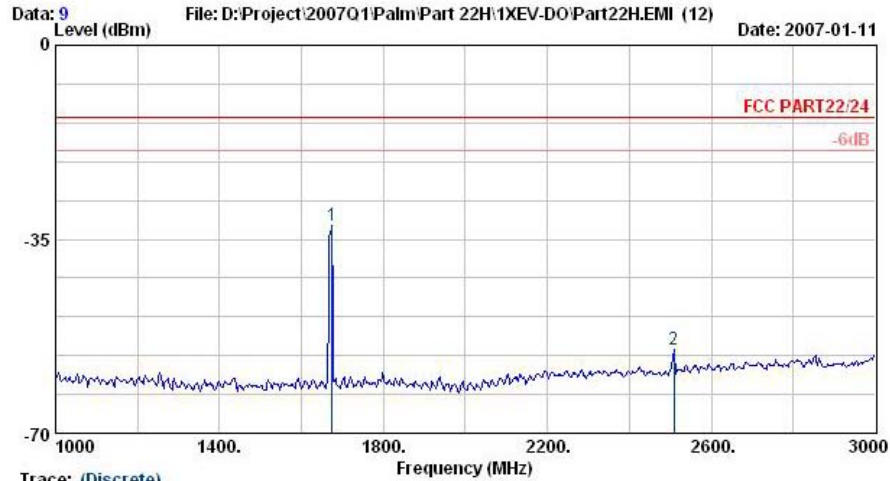




Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SPURIOUS VERTICAL

EUT : FDA Phone

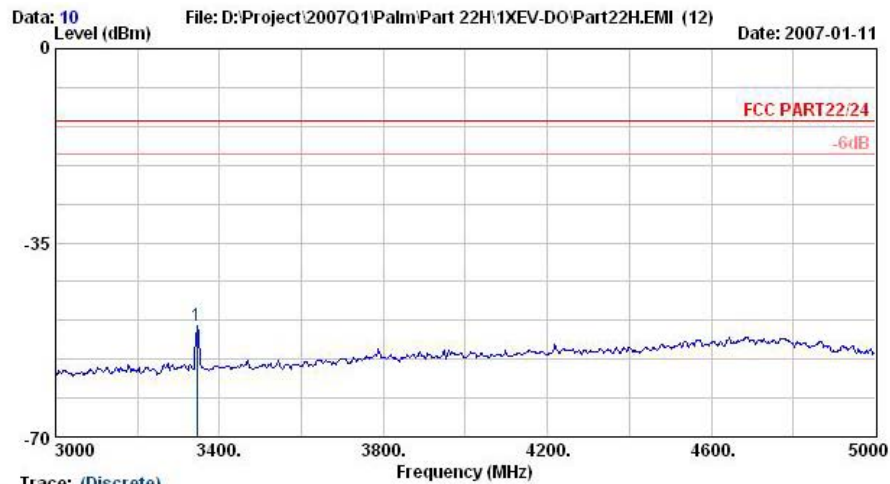
Power : 120Vac/60Hz

Model : FG711111

Mode : CDMA 2000 Cellular Link;CH384+Adaptor

Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	1674.0	-32.53	-19.53	-13.00	-32.05	-0.48	Peak
2 @	2508.0	-54.98	-41.98	-13.00	-57.25	2.27	Peak



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SPURIOUS VERTICAL

EUT : FDA Phone

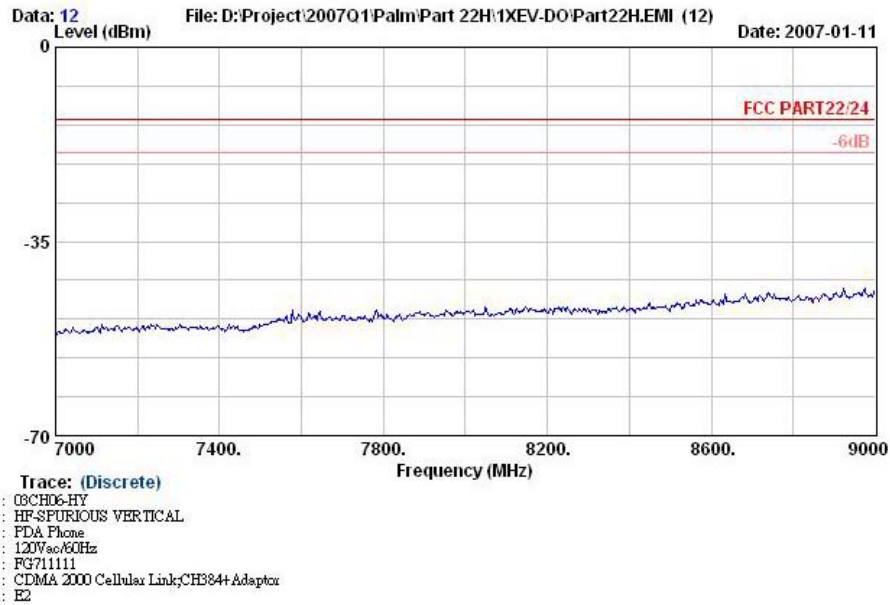
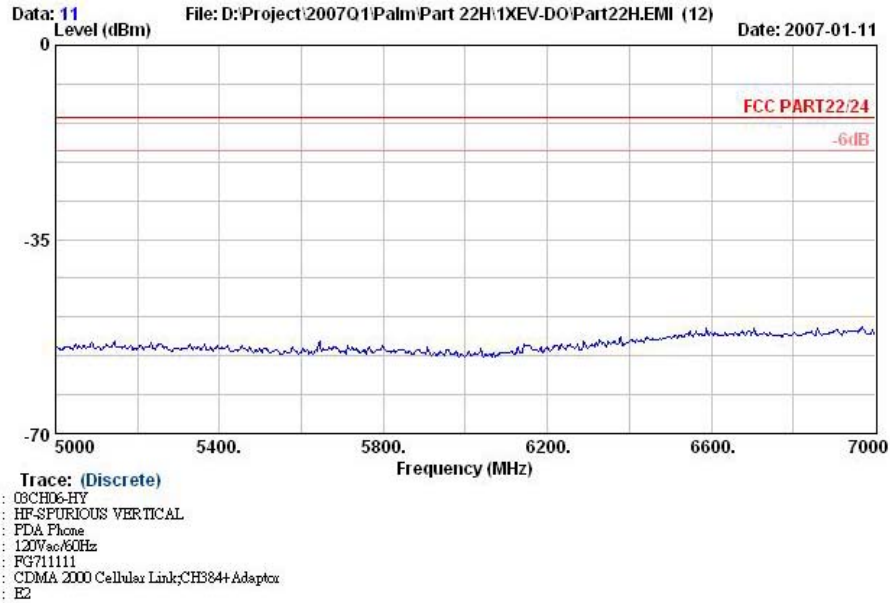
Power : 120Vac/60Hz

Model : FG711111

Mode : CDMA 2000 Cellular Link;CH384+Adaptor

Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	3344.0	-50.01	-37.01	-13.00	-54.48	4.47	Peak

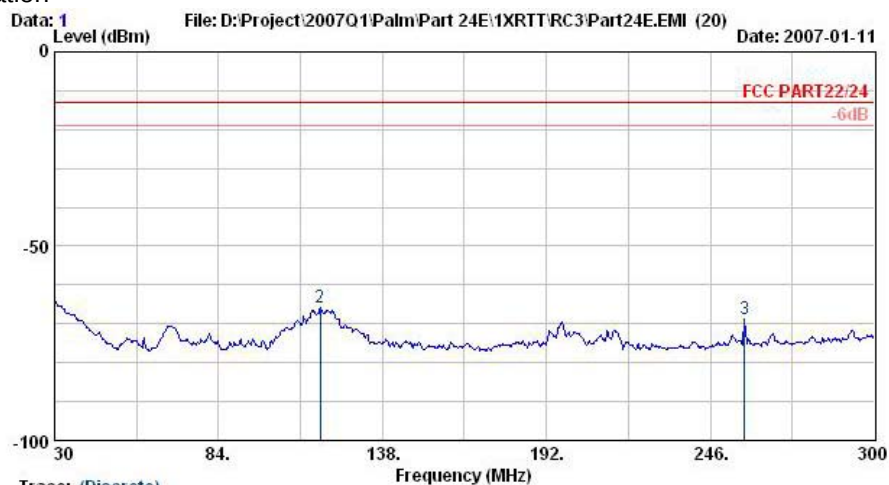


Remark : There is no more obvious emission except the listings above.



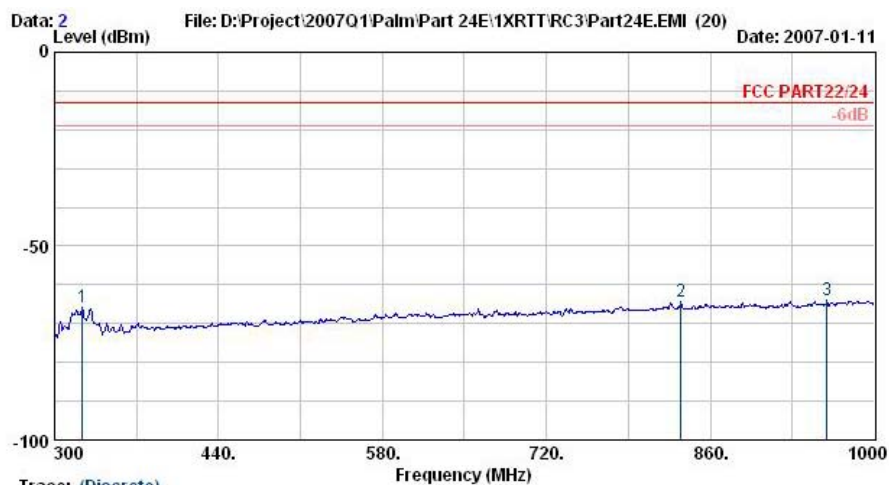
4.6.5.3 Mode 3

Horizontal Polarization



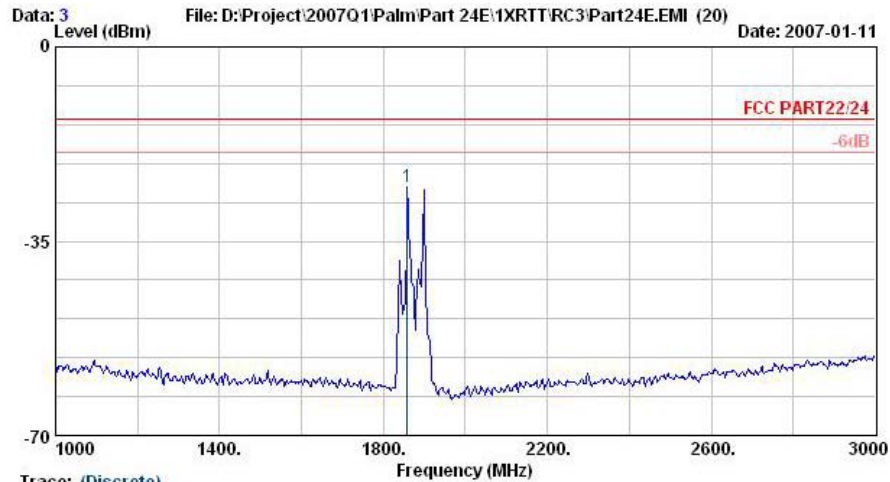
Site : 03CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1 @	30.0	-63.90	-50.90	-13.00	-64.26	0.36	Peak
2	117.5	-65.61	-52.61	-13.00	-53.17	-12.44	Peak
3	257.3	-68.79	-55.79	-13.00	-57.37	-11.42	Peak



Site : 03CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1	323.8	-65.85	-52.85	-13.00	-56.74	-9.11	Peak
2	834.8	-64.29	-51.29	-13.00	-62.94	-1.35	Peak
3	959.4	-64.11	-51.11	-13.00	-63.95	-0.15	Peak



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

EUT : PDA Phone

Power : 120Vac/60Hz

Model : FG711111

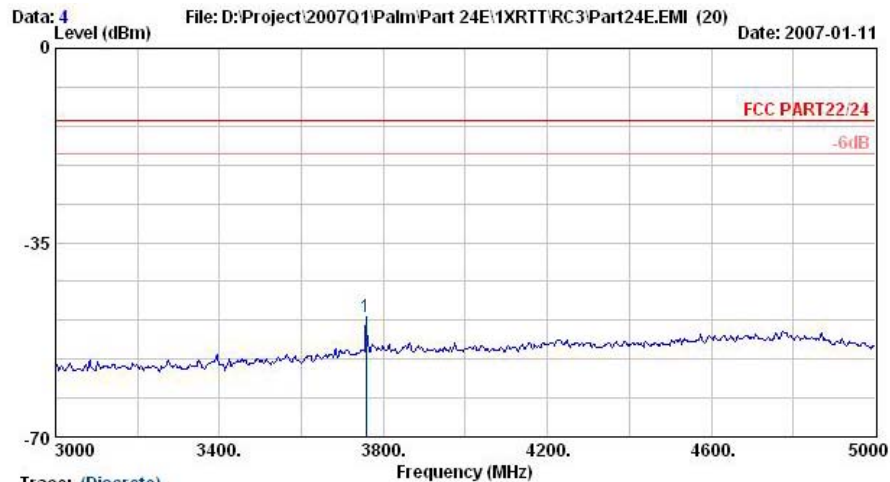
Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2

Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	1858.0	-25.32		-24.81	-0.51	Peak

Remark:

1. #1: MS Signal



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

EUT : PDA Phone

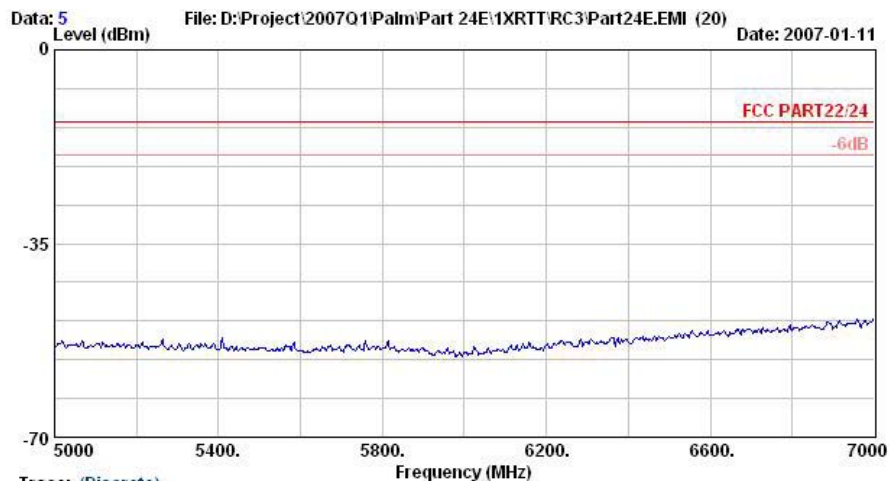
Power : 120Vac/60Hz

Model : FG711111

Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2

Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	3758.0	-48.39	-35.39	-13.00	-56.31	7.92 Peak



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SPURIOUS HORIZONTAL

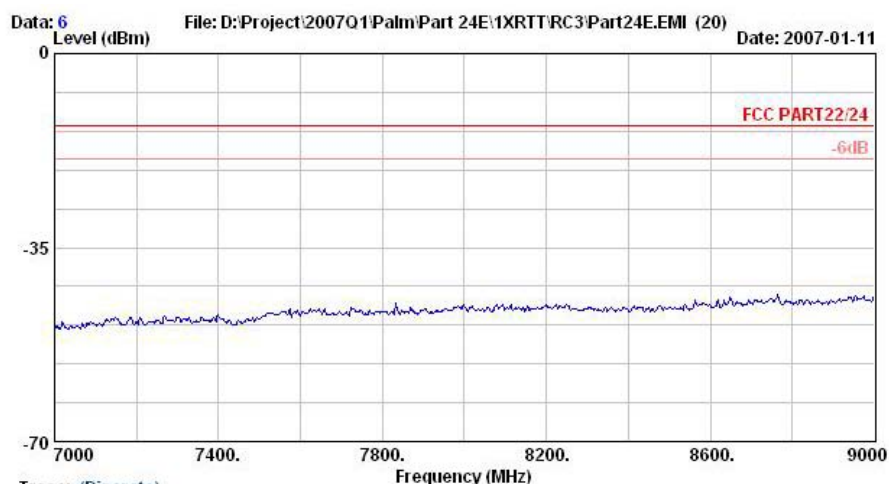
EUT : PDA Phone

Power : 120V_{ac}/60Hz

Model : FG711111

Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SPURIOUS HORIZONTAL

EUT : PDA Phone

Power : 120V_{ac}/60Hz

Model : FG711111

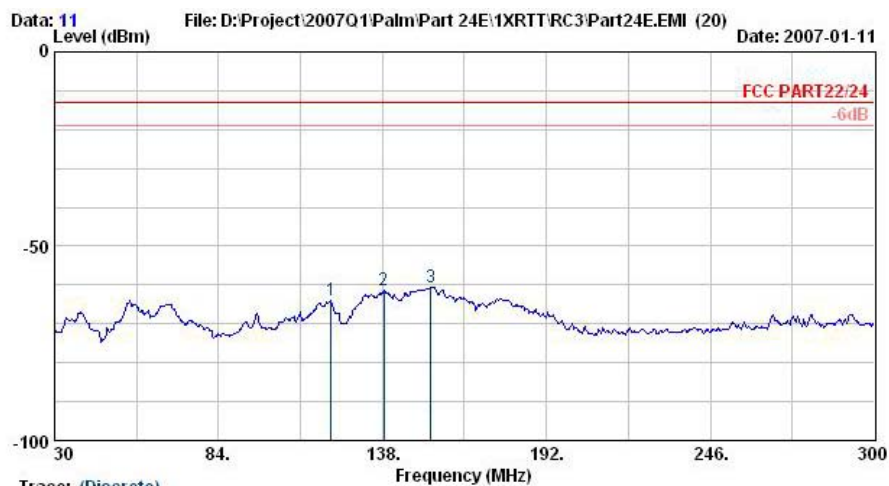
Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2

Remark: There's no more obvious spurious emission except the listings above.



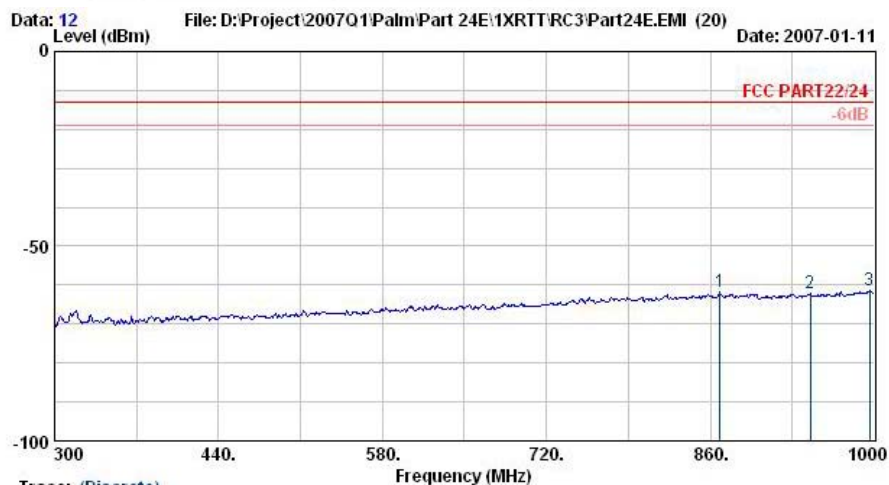
Vertical Polarization



Trace: (Discrete)

Site : 08CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

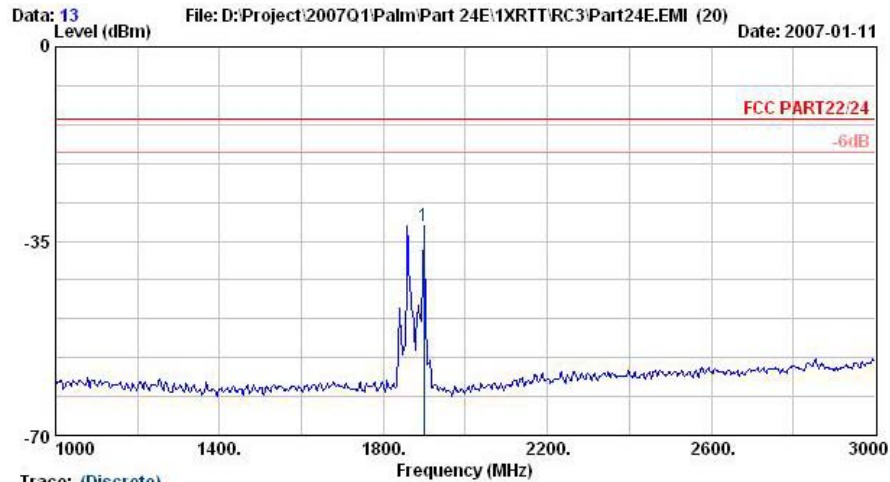
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	121.0	-63.79	-50.79	-13.00	-55.90	-7.88	Peak
2 @	138.5	-61.17	-48.17	-13.00	-53.13	-8.04	Peak
3 @	153.9	-60.55	-47.55	-13.00	-52.38	-8.18	Peak



Trace: (Discrete)

Site : 08CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	868.4	-61.84	-48.84	-13.00	-63.45	1.61	Peak
2 @	945.4	-62.16	-49.16	-13.00	-64.39	2.23	Peak
3 @	995.8	-61.25	-48.25	-13.00	-63.88	2.63	Peak



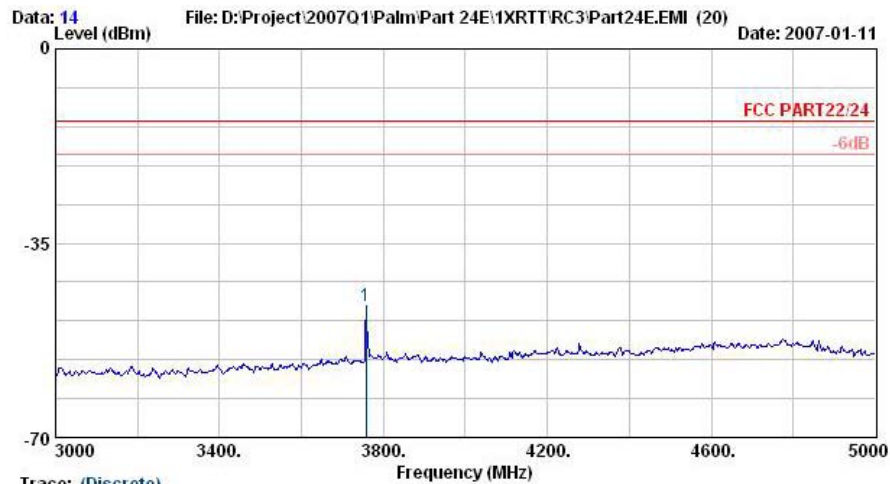
Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	1898.0	-32.16		-31.66	-0.50	Peak

Remark:

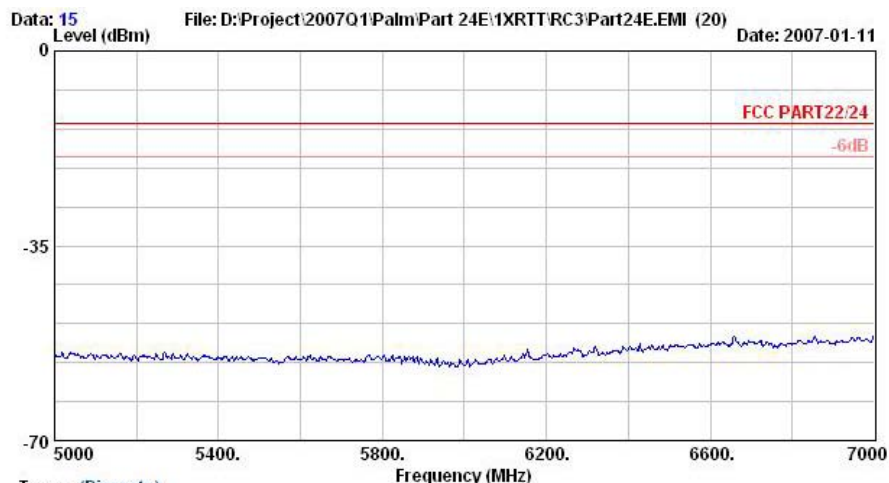
1. #1: MS Signal



Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	3758.0	-46.21	-33.21	-52.84	6.64	Peak



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS VERTICAL

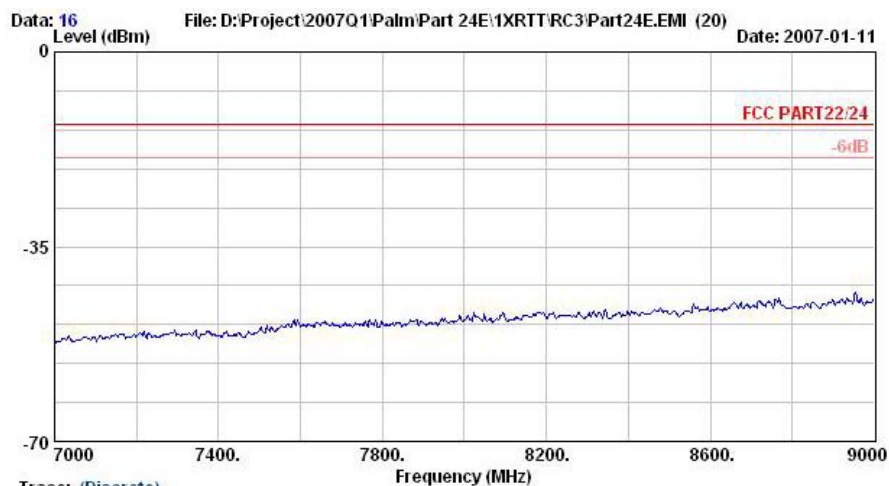
EUT : PDA Phone

Power : 120V_{ac}/60Hz

Model : FG711111

Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS VERTICAL

EUT : PDA Phone

Power : 120V_{ac}/60Hz

Model : FG711111

Mode : CDMA 2000 PCS Link;CH600+Adaptor

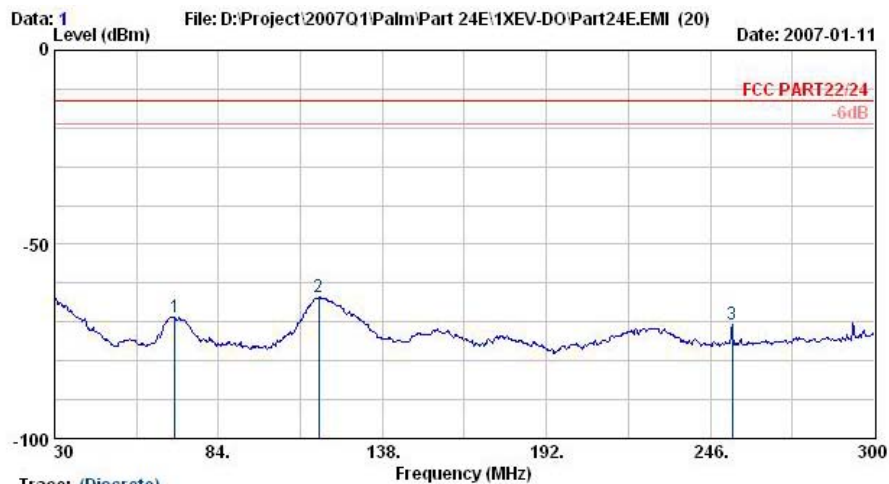
Plane : E2

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



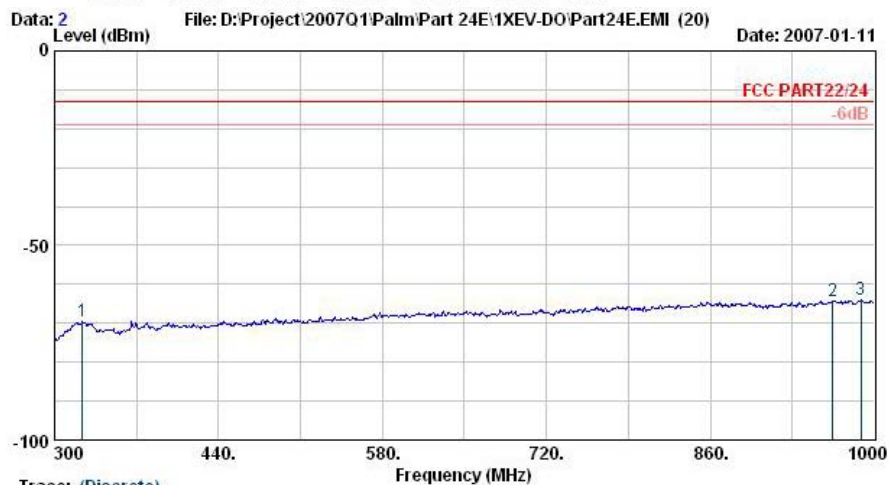
4.6.5.4 Mode 4

Horizontal Polarization



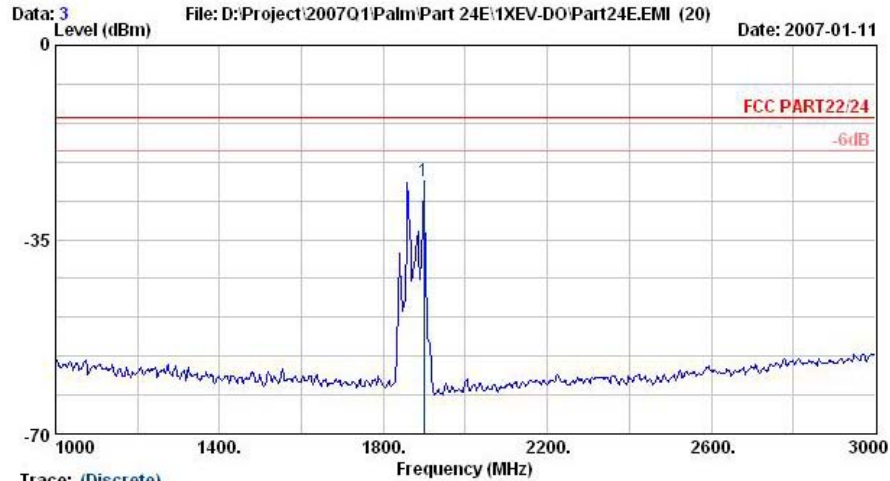
Site : 03CH06-HY
Condition : LF-SFURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1	69.7	-68.64	-55.64	-13.00	-56.29	-12.36	Peak
2 @	116.9	-63.68	-50.68	-13.00	-51.24	-12.44	Peak
3	253.3	-70.47	-57.47	-13.00	-58.92	-11.55	Peak



Site : 03CH06-HY
Condition : LF-SFURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1	323.8	-69.62	-56.62	-13.00	-60.51	-9.11	Peak
2	964.3	-64.19	-51.19	-13.00	-64.08	-0.11	Peak
3	988.8	-64.05	-51.05	-13.00	-64.18	0.13	Peak



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

EUT : PDA Phone

Power : 120V_{ac}/60Hz

Model : FG711111

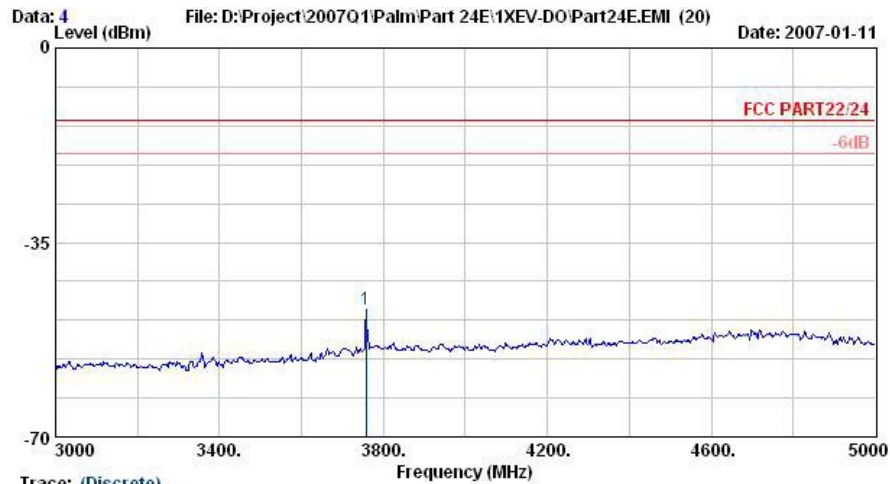
Mode : CDMA 2000 Cellular Link;CH384+Adaptor

Plane : E2

Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	1898.0	-24.41		-23.74	-0.68	Peak

Remark:

1. #1: MS Signal



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

EUT : PDA Phone

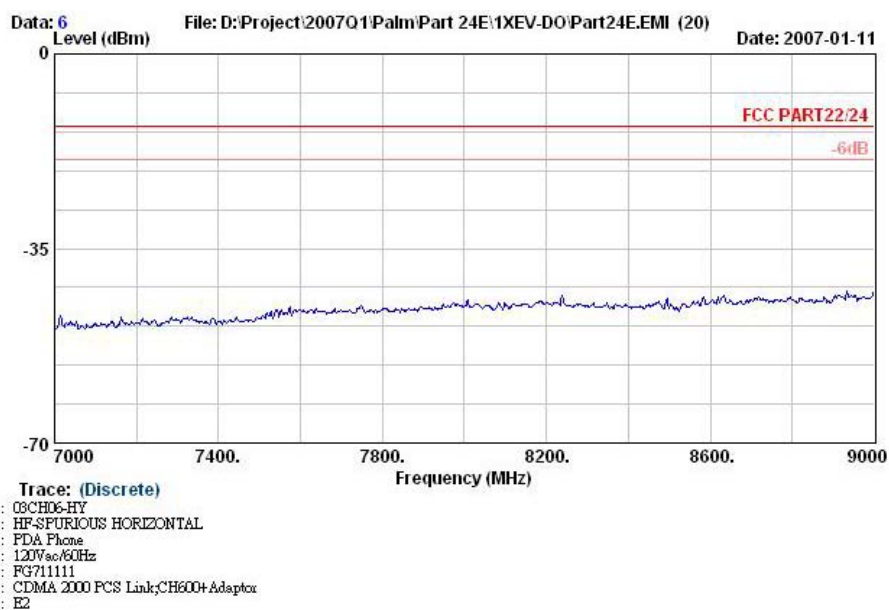
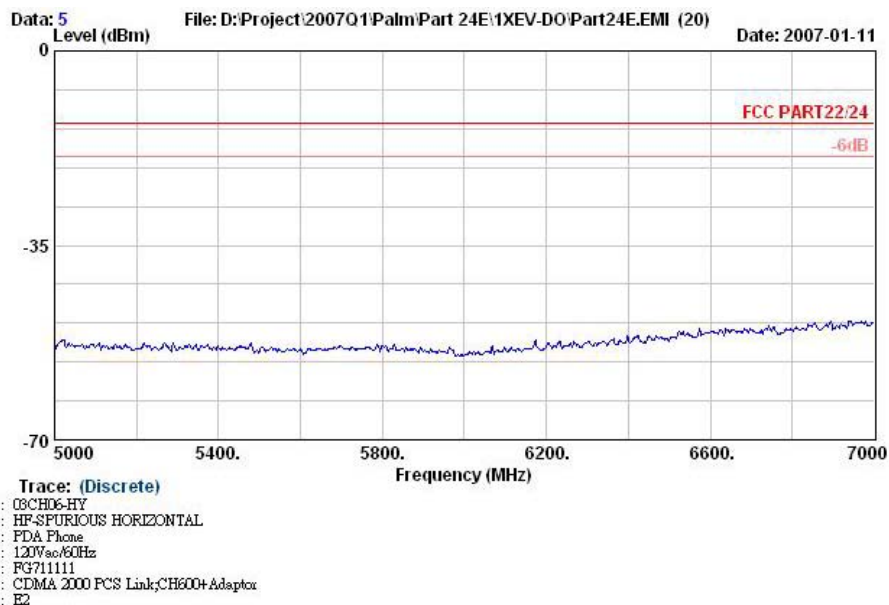
Power : 120V_{ac}/60Hz

Model : FG711111

Mode : CDMA 2000 PCS Link;CH600+Adaptor

Plane : E2

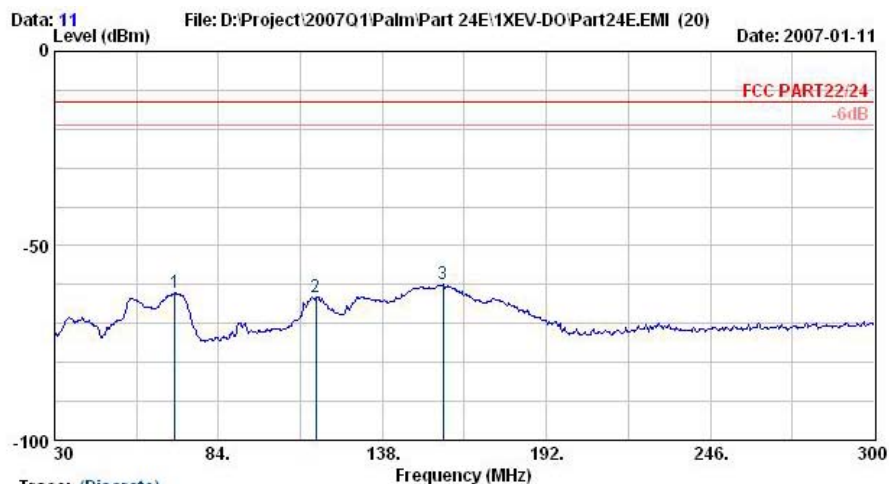
Freq	Level	Over	Limit	Read		
MHz	dBm	Limit	Line	Level	Factor	Remark
		dB	dBm	dBm	dB	
1 @	3758.0	-47.00	-34.00	-13.00	-54.92	7.92 Peak



Remark: There's no more obvious spurious emission except the listings above.



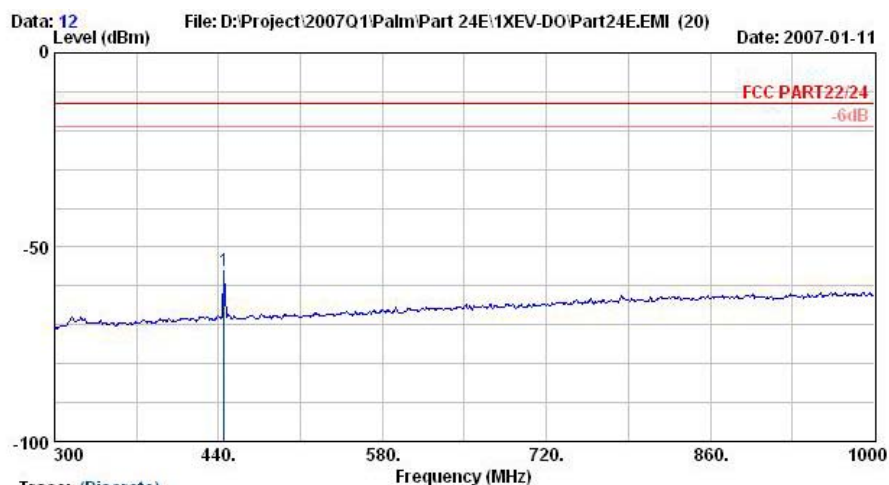
Vertical Polarization



Trace: (Discrete)

Site : 08CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E1

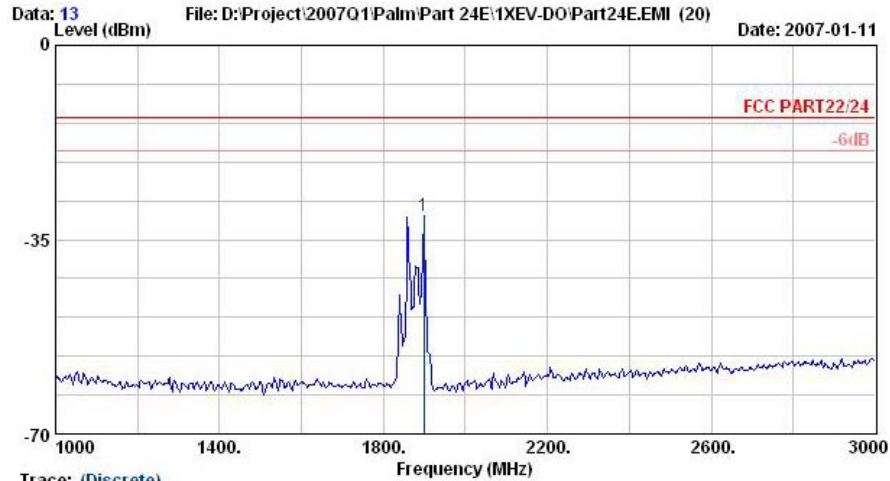
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	69.7	-62.21	-49.21	-13.00	-50.19	-12.02	Peak
2 @	116.1	-63.01	-50.01	-13.00	-55.17	-7.84	Peak
3 @	158.0	-59.85	-46.85	-13.00	-51.63	-8.21	Peak



Trace: (Discrete)

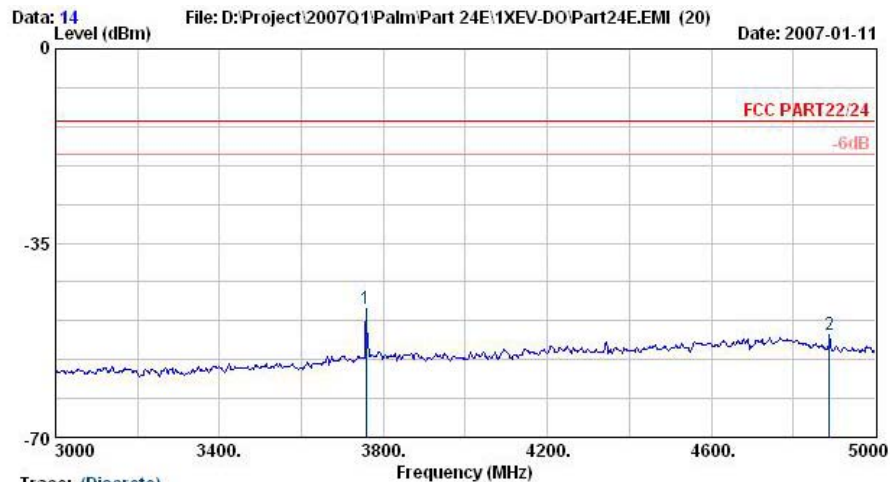
Site : 08CH06-HY
Condition : LF-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : CDMA 2000 PCS Link;CH600+Adaptor
Plane : E1

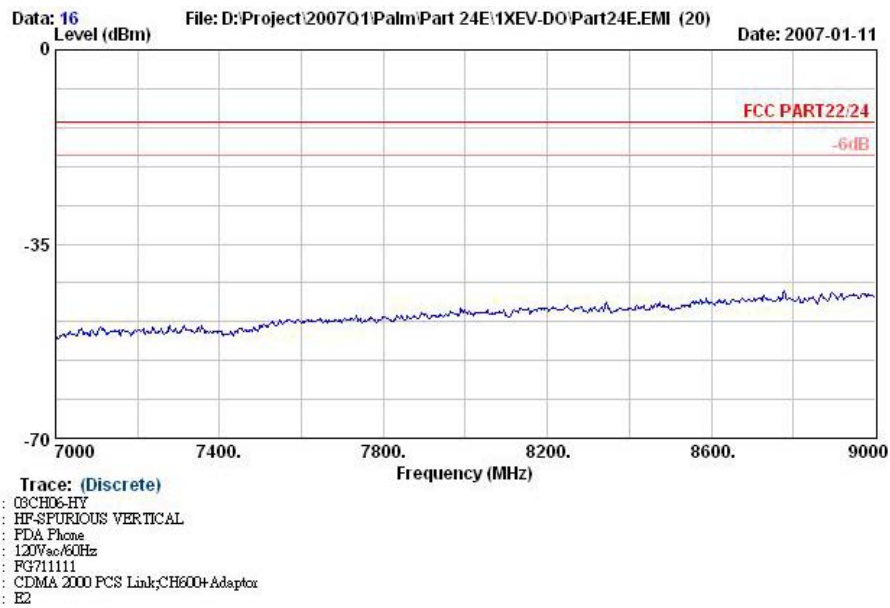
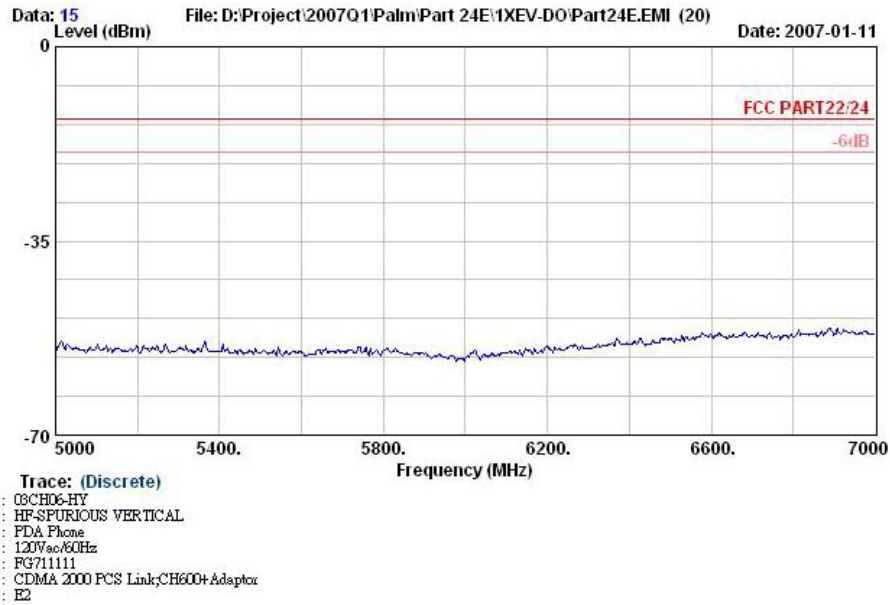
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1 @	444.9	-56.22	-43.22	-13.00	-52.44	-3.79	Peak



Remark:

1. #1: MS Signal



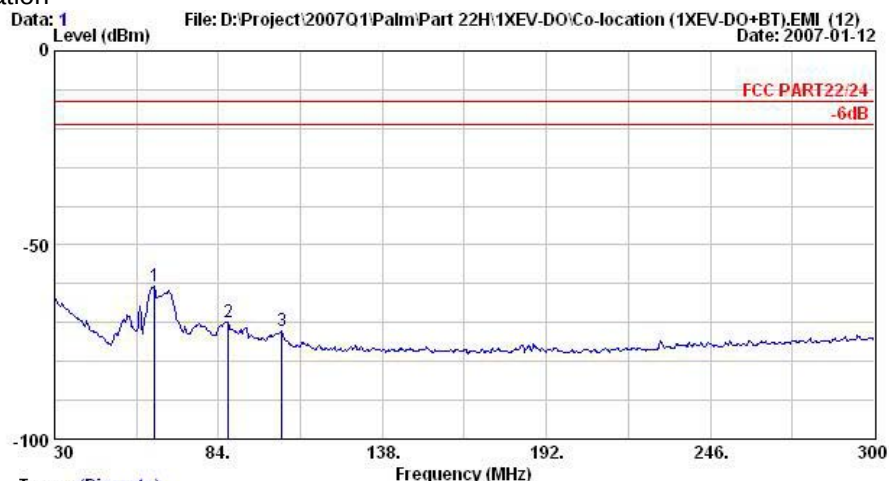


Remark : There is no more obvious emission except the listings above.



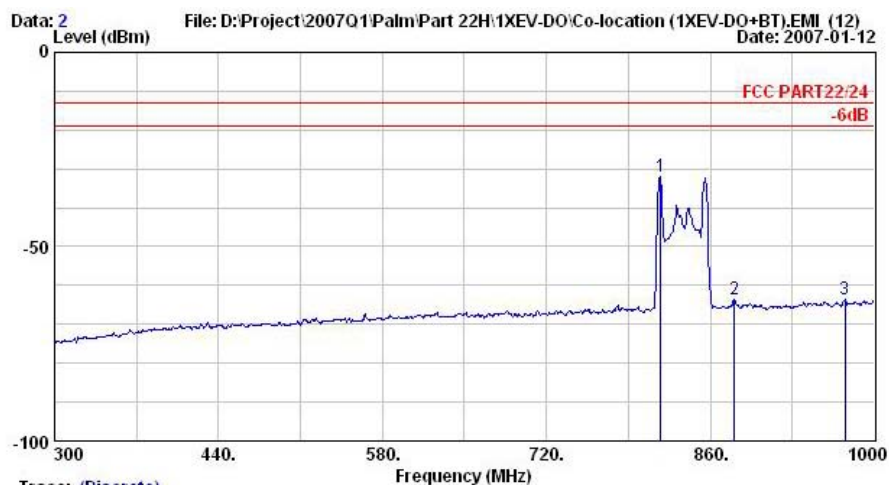
4.6.5.5 Mode 5

Horizontal Polarization



Trace: (Discrete)
Site : 08CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : CDMA2000 Mobile Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Memo : 1XEV-DO Link;Ch384+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1 @	62.9	-60.70	-47.70	-13.00	-48.32	-12.38 Peak
2	87.2	-69.72	-56.72	-13.00	-57.43	-12.29 Peak
3	104.8	-72.21	-59.21	-13.00	-59.92	-12.30 Peak

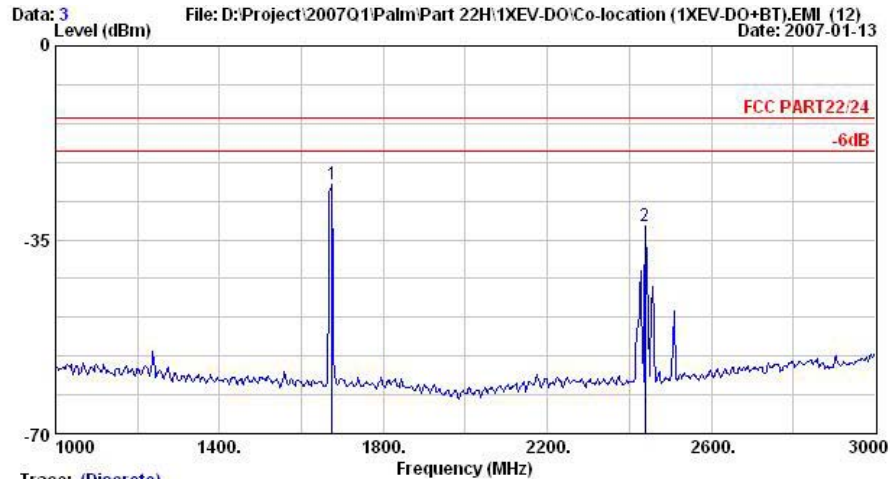


Trace: (Discrete)
Site : 08CH06-HY
Condition : LF-SPURIOUS HORIZONTAL
EUT : CDMA2000 Mobile Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Memo : 1XEV-DO Link;Ch384+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
		dBm	dB	dBm	dBm	dB
1 @	817.3	-31.89			-30.37	-1.52 Peak
2	880.3	-63.57	-50.57	-13.00	-62.66	-0.91 Peak
3	974.8	-63.45	-50.45	-13.00	-63.44	0.00 Peak

Remark:

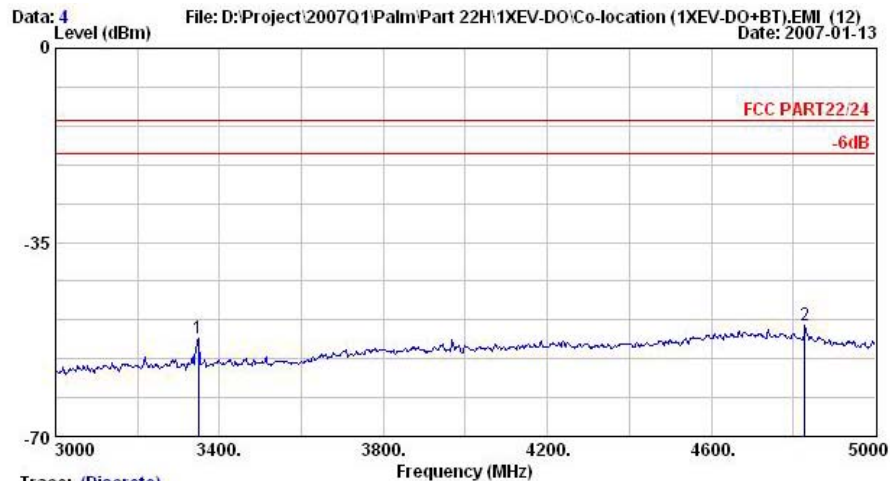
1. #1: MS Signal



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SFURIOUS HORIZONTAL
EUT : CDMA2000 Mobile Phone
Power : 120Vac/50Hz
Model : FG711111
Memo : 1XEV-DO Link;C1384+BT Link+Adaptor
Plane : E2

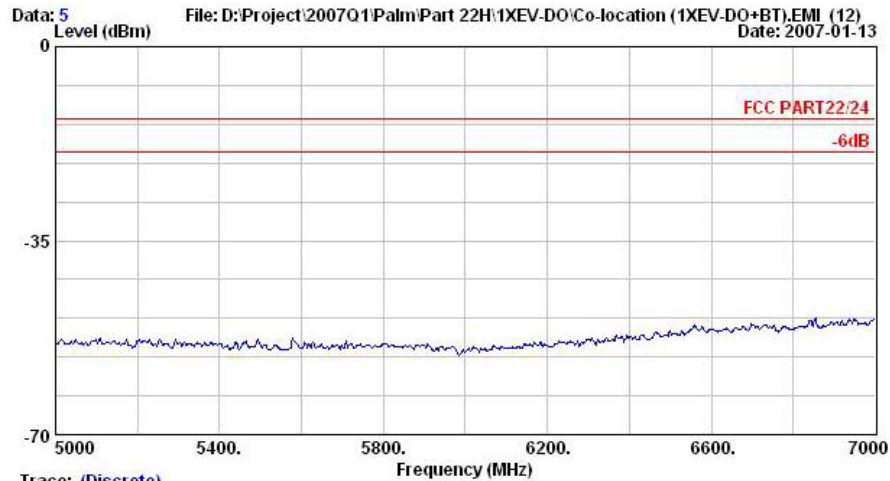
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1 @	1674.0	-24.97	-11.97	-13.00	-25.19	0.22	Peak
2 @	2438.0	-32.40	-19.40	-13.00	-33.40	1.00	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SFURIOUS HORIZONTAL
EUT : CDMA2000 Mobile Phone
Power : 120Vac/50Hz
Model : FG711111
Memo : 1XEV-DO Link;C1384+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1 @	3348.0	-52.26	-39.26	-13.00	-57.66	5.41	Peak
2 @	4828.0	-50.03	-37.03	-13.00	-61.58	11.55	Peak



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

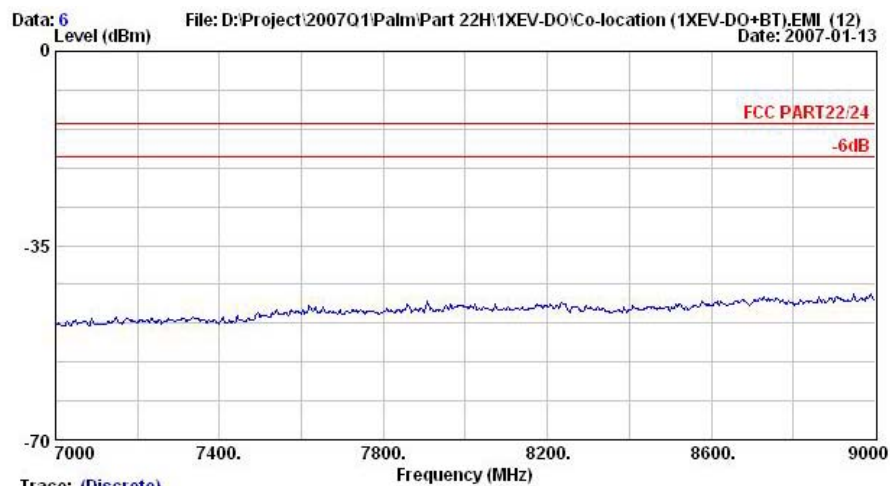
EUT : CDMA2000 Mobile Phone

Power : 120V_{ac}/60Hz

Model : FG711111

Memo : 1XEV-DO Link;C1384+BT Link+Adaptor

Plane : E2



Trace: (Discrete)

Site : 08CH06-HY

Condition : HF-SFURIOUS HORIZONTAL

EUT : CDMA2000 Mobile Phone

Power : 120V_{ac}/60Hz

Model : FG711111

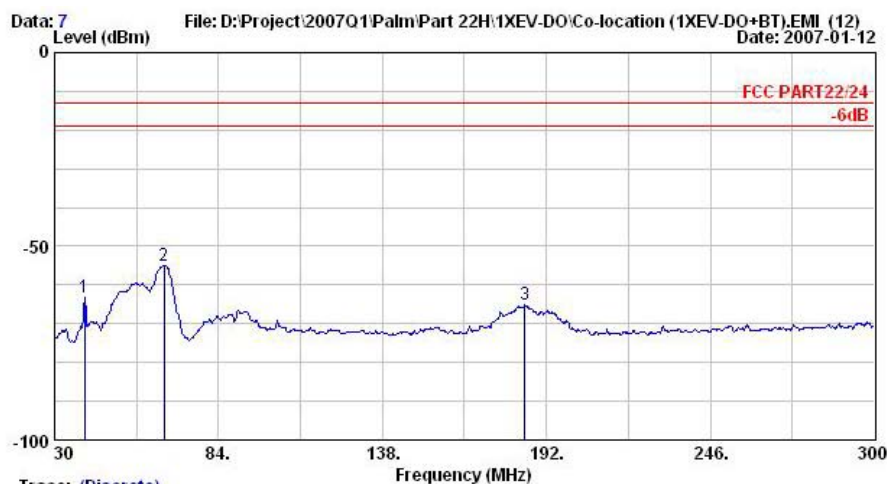
Memo : 1XEV-DO Link;C1384+BT Link+Adaptor

Plane : E2

Remark: There's no more obvious spurious emission except the listings above.



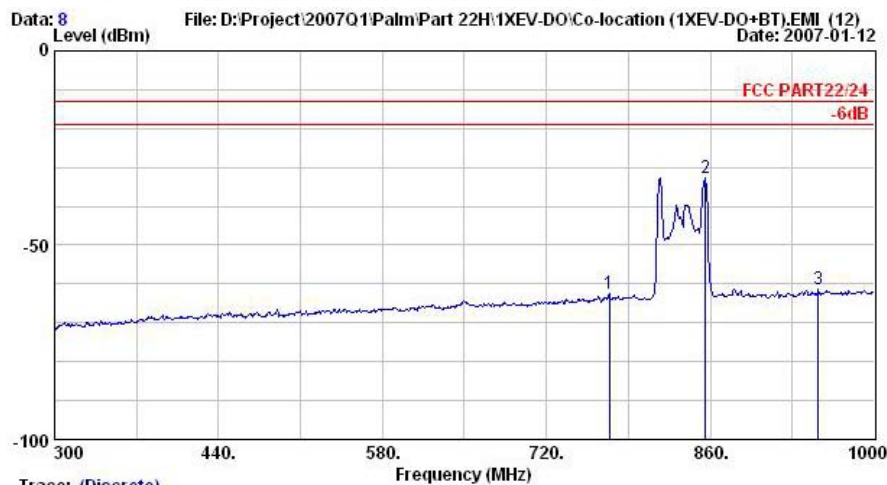
Vertical Polarization



Trace: (Discrete)

Site : 08CH06-HY
Condition : LP-SFURIOUS VERTICAL
EUT : CDMA2000 Mobile Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Memo : 1XEV-DO Link;Ch384+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	40.0	-63.15	-50.15	-13.00	-51.34	-11.81 Peak
2 @	66.2	-55.01	-42.01	-13.00	-42.43	-12.58 Peak
3	185.0	-65.14	-52.14	-13.00	-56.68	-8.46 Peak



Trace: (Discrete)

Site : 08CH06-HY
Condition : LP-SFURIOUS VERTICAL
EUT : CDMA2000 Mobile Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Memo : 1XEV-DO Link;Ch384+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	773.9	-62.50	-49.50	-13.00	-63.18	0.68 Peak
2 @	855.8	-32.65			-34.16	1.51 Peak
3	952.4	-61.48	-48.48	-13.00	-63.76	2.28 Peak

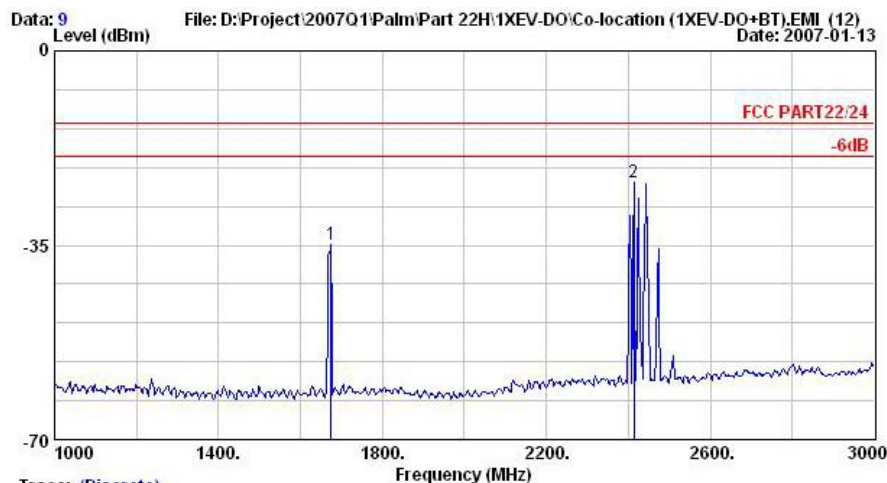
Remark:

1. #2: MS Signal



FCC/IC TEST REPORT

Report No. : FG711111



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SFURIOUS VERTICAL

EUT : CDMA2000 Mobile Phone

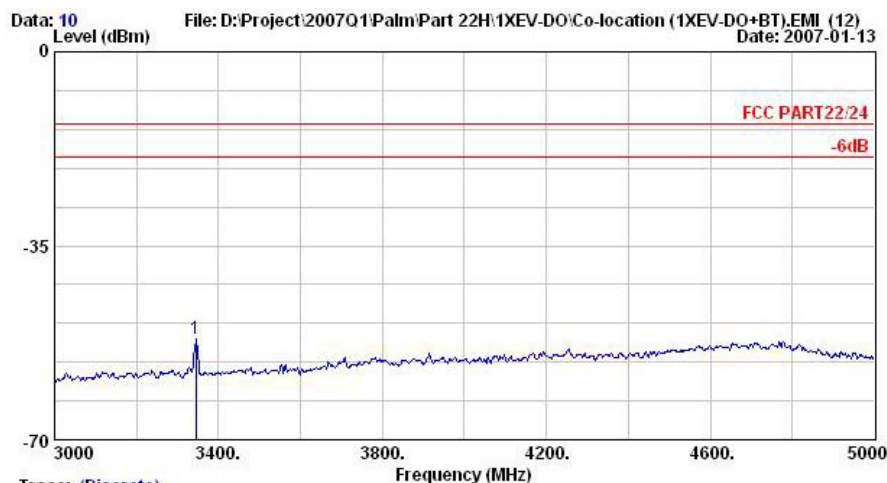
Power : 120Vac/60Hz

Model : FG711111

Memo : 1XEV-DO Link;C1384+BT Link+Adaptor

Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1 @	1674.0	-34.95	-21.95	-13.00	-34.47	-0.48	Peak
2 @	2414.0	-23.58	-10.58	-13.00	-25.45	1.87	Peak



Trace: (Discrete)

Site : 03CH06-HY

Condition : HF-SFURIOUS VERTICAL

EUT : CDMA2000 Mobile Phone

Power : 120Vac/60Hz

Model : FG711111

Memo : 1XEV-DO Link;C1384+BT Link+Adaptor

Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
		dBm	dB	dBm	dBm	dB	
1 @	3344.0	-51.88	-38.88	-13.00	-56.35	4.47	Peak

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

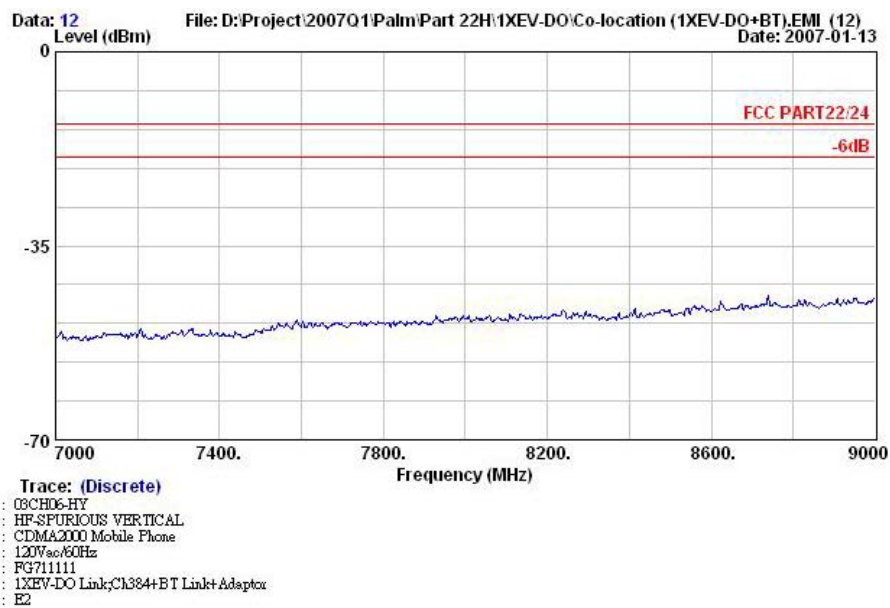
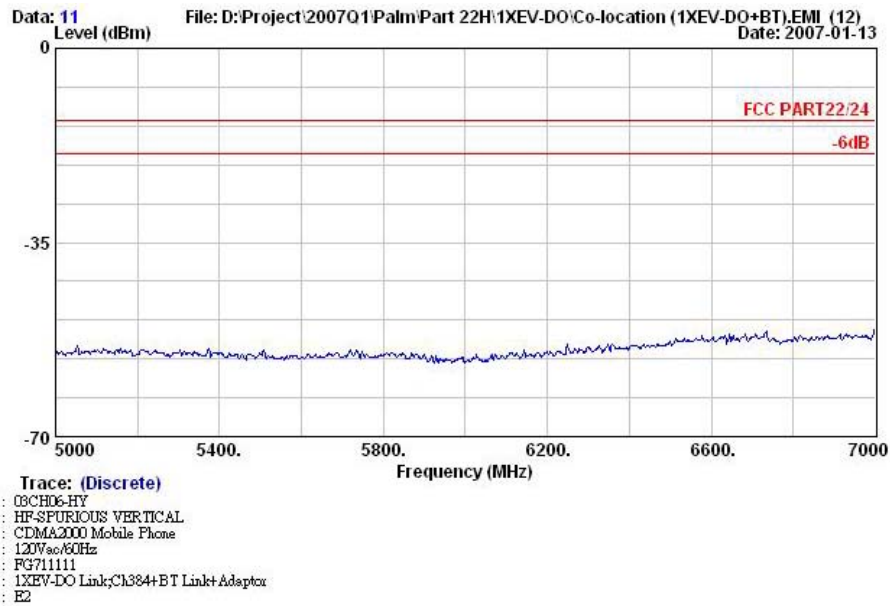
FCC ID : O8F-895

IC ID : 3905A-895

Page No. : 96 of 110

Report Issued Date : Jan. 16, 2007

Report Version : Rev. 01

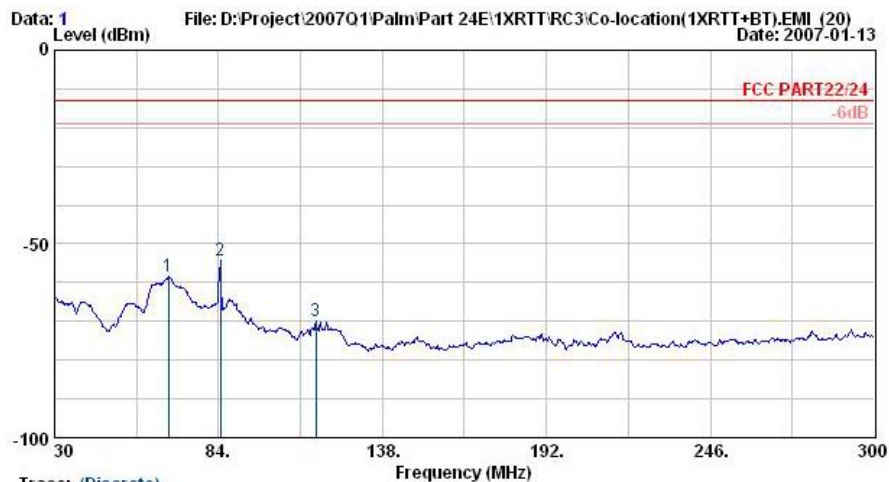


Remark : There is no more obvious emission except the listings above.

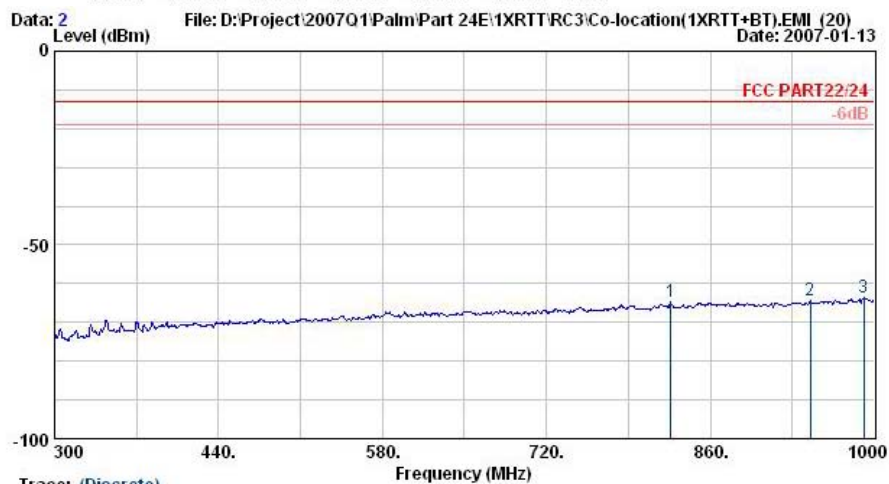


4.6.5.6 Mode 6

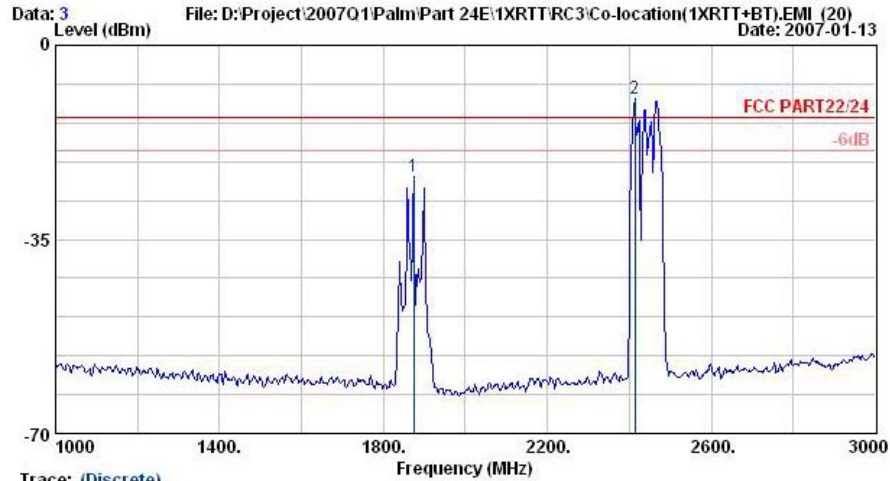
Horizontal Polarization



	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	Factor dB	Remark
1	67.5	-58.46	-45.46	-13.00	-46.10	-12.36	Peak
2	84.5	-54.27	-41.27	-13.00	-41.97	-12.30	Peak
3	116.1	-70.02	-57.02	-13.00	-57.59	-12.43	Peak



	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	Factor dB	Remark
1	826.4	-64.63	-51.63	-13.00	-63.19	-1.44	Peak
2	945.4	-64.26	-51.26	-13.00	-63.98	-0.28	Peak
3	990.9	-63.66	-50.66	-13.00	-63.82	0.16	Peak



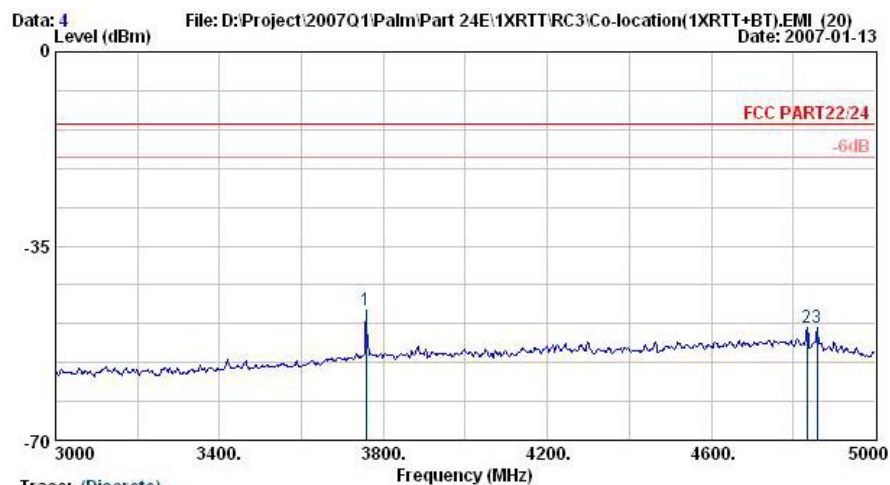
Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SFURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	1874.0	-23.76			-23.25	-0.51 Peak
2 @	2414.0	-9.72			-10.61	0.89 Peak

Remark:

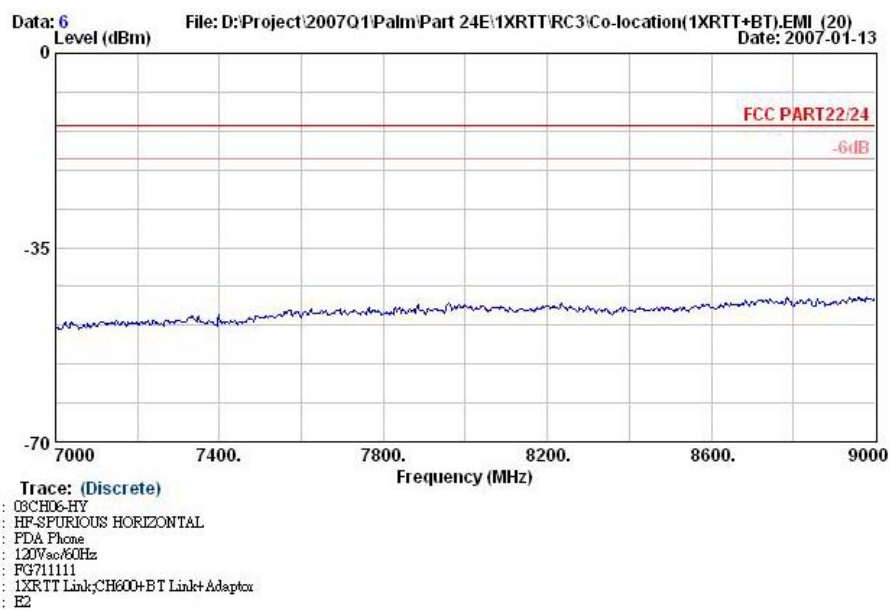
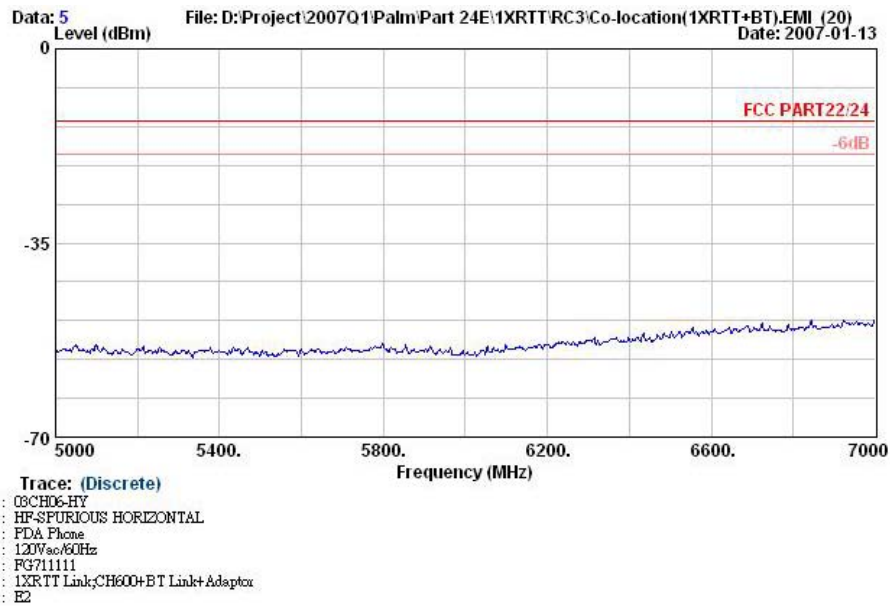
- #1: MS Signal
- #2: BT Signal



Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SFURIOUS HORIZONTAL
EUT : FDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2

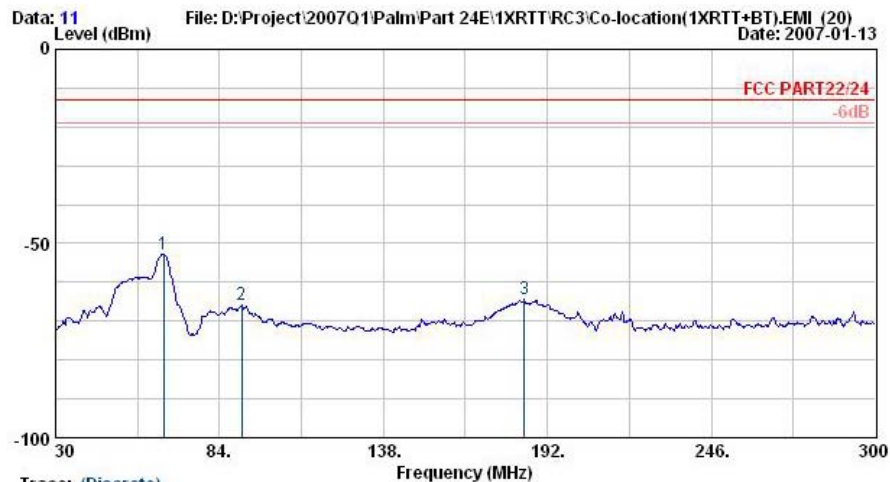
	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	3758.0	-46.64	-33.64	-13.00	-54.57	7.92 Peak
2 @	4834.0	-49.77	-36.77	-13.00	-61.31	11.55 Peak
3 @	4858.0	-49.82	-36.82	-13.00	-61.17	11.35 Peak



Remark: There's no more obvious spurious emission except the listings above.



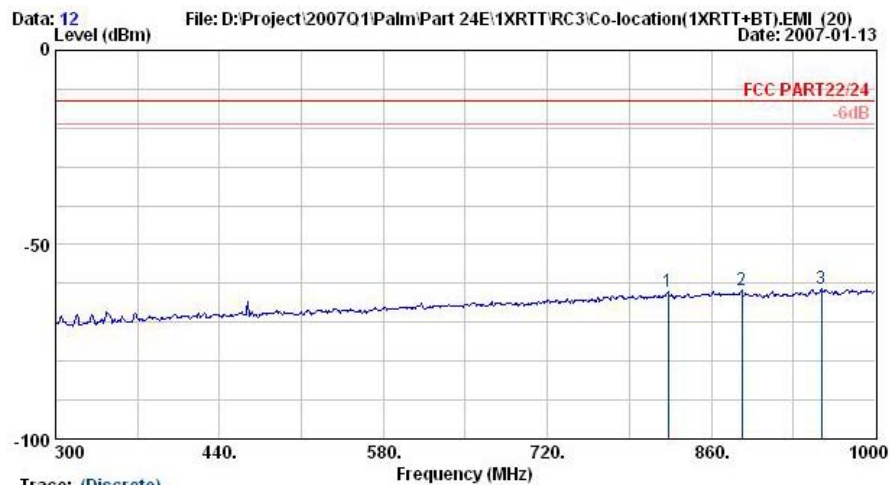
Vertical Polarization



Trace: (Discrete)

Site : 08CH06-HY
Condition : LP-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2

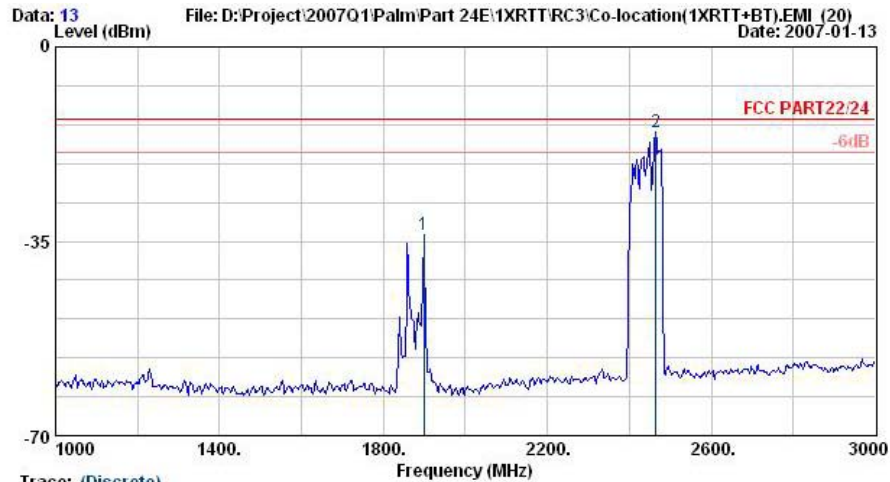
	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	65.6	-52.76	-39.76	-13.00	-40.17	-12.58 Peak
2	91.3	-65.73	-52.73	-13.00	-56.79	-8.95 Peak
3	184.4	-64.38	-51.38	-13.00	-55.93	-8.45 Peak



Trace: (Discrete)

Site : 08CH06-HY
Condition : LP-SPURIOUS VERTICAL
EUT : PDA Phone
Power : 120V_{ac}/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1	822.9	-62.02	-49.02	-13.00	-63.27	1.25 Peak
2	885.9	-61.59	-48.59	-13.00	-63.34	1.75 Peak
3	953.8	-61.49	-48.49	-13.00	-63.78	2.29 Peak



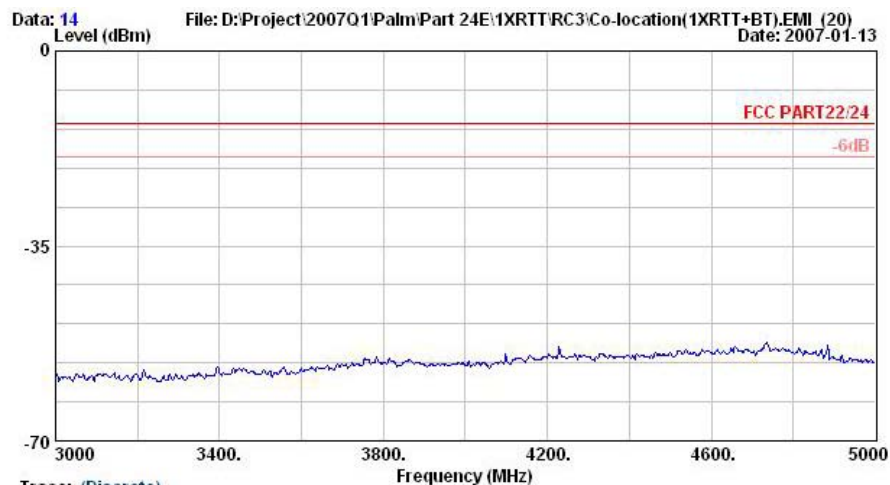
Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	1898.0	-33.81			-33.31	-0.50 Peak
2 @	2464.0	-15.25			-17.40	2.16 Peak

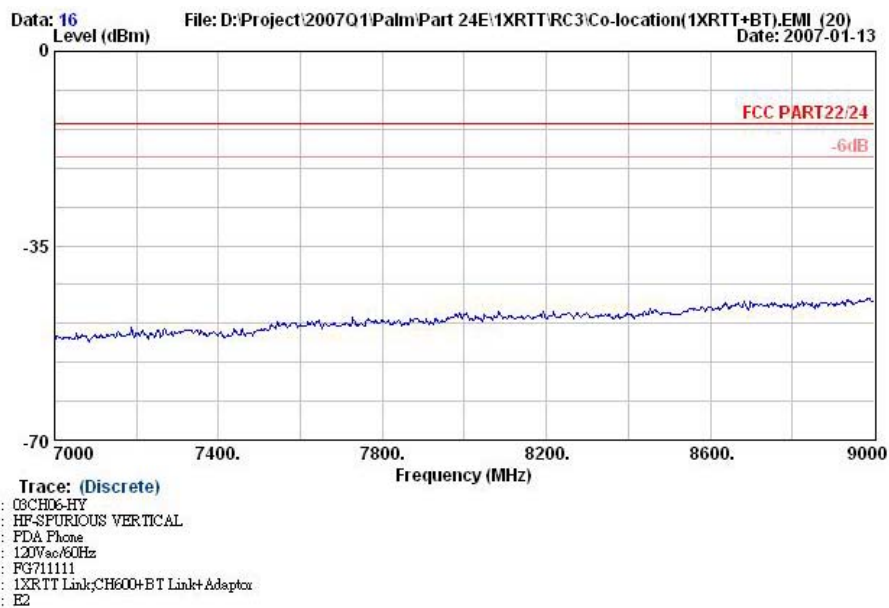
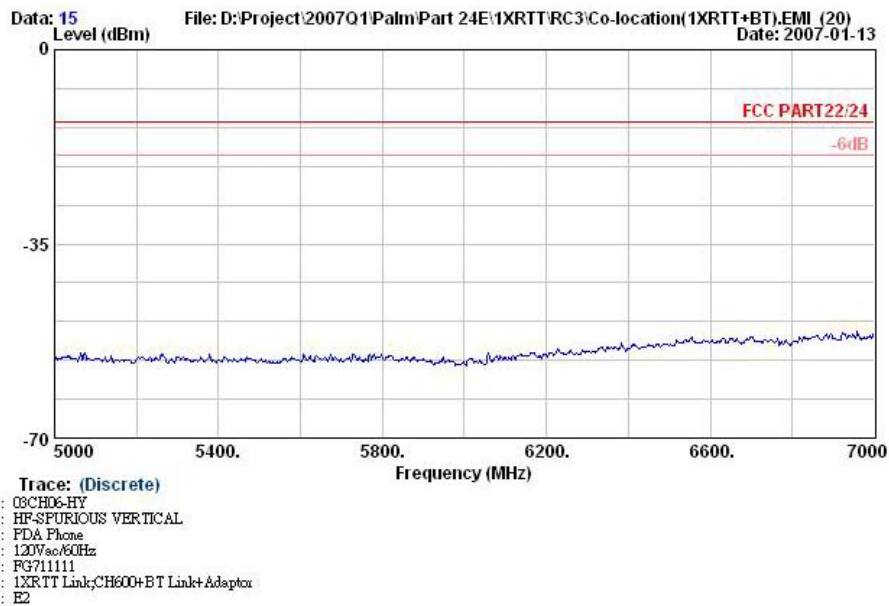
Remark:

1. #1: MS Signal
2. #2: BT Signal



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SFURIOUS VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FG711111
Mode : 1XRIT Link;CH600+BT Link+Adaptor
Plane : E2



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

4.7 Frequency Stability (Temperature Variation)

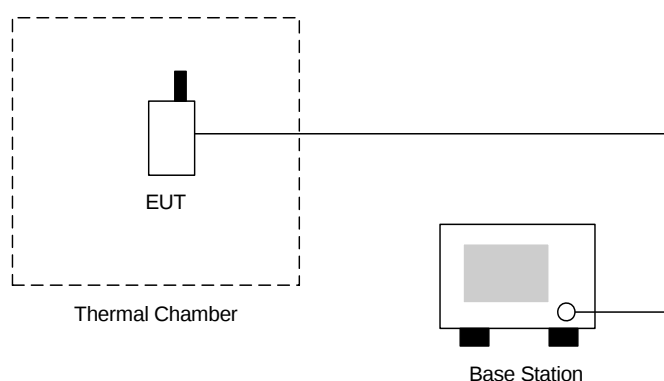
4.7.1 Measurement Instrument

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 : CDMA2000 Cellular 850 1xRTT FCH_RC1 CH384

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	X	X	2.5	Passed
-20	21	0.01		
-10	-20	-0.01		
0	-18	-0.01		
10	17	0.01		
20	20	0.01		
30	12	0.01		
40	14	0.01		
50	-26	-0.01		

*The EUT can not be turned on at -30°C.

- Test Mode : CDMA2000 Cellular 850 1xEV-DO 38.4Kbps CH384

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	X	X	2.5	Passed
-20	22	0.01		
-10	24	0.01		
0	-18	-0.01		
10	26	0.01		
20	19	0.01		
30	22	0.01		
40	26	0.01		
50	30	0.02		

*The EUT can not be turned on at -30°C.

- Test Mode : CDMA2000 PCS 1900 1xRTT FCH_RC3 CH600

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	X	X	2.5	Passed
-20	-48.00	-0.03		
-10	37.00	0.02		
0	-35.00	-0.02		
10	30.00	0.02		
20	28.00	0.01		
30	-25.00	-0.01		
40	-37.00	-0.02		
50	-42.00	-0.02		

*The EUT can not be turned on at -30°C.



- Test Mode : CDMA2000 PCS 1900 1xEV-DO 38.4Kbps CH600

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	X	X	2.5	Passed
-20	-38.00	-0.02		
-10	30.00	0.02		
0	28.00	0.01		
10	27.00	0.01		
20	30.00	0.02		
30	33.00	0.02		
40	-25.00	-0.01		
50	33.00	0.02		

*The EUT can not be turned on at -30 °C.

4.8 Frequency Stability (Voltage Variation)

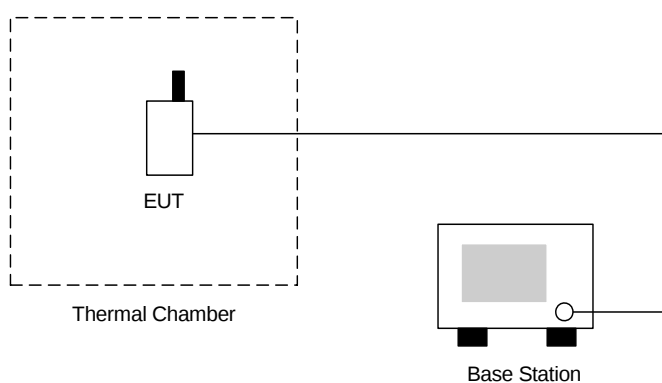
4.8.1 Measurement Instrument

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

- Test Mode : CDMA2000 Cellular 850 1xRTT CH384

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	12.0	0.01	2.5	Passed
BEP	-10.0	-0.01		
4.2	15.0	0.01		

- Test Mode : CDMA2000 Cellular 850 1xEV-DO CH384

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	22.0	0.01	2.5	Passed
BEP	30.0	0.02		
4.2	24.0	0.01		

▪ Test Mode : CDMA2000 PCS 1900 1xRTT CH600

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	26.00	0.01	2.5	Passed
BEP	-22.00	-0.01		
4.2	27.00	0.01		

▪ Test Mode : CDMA2000 PCS 1900 1xEV-DO CH600

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	40.00	0.02	2.5	Passed
BEP	-40.00	-0.02		
4.2	34.00	0.02		

Remark:

1. Normal Voltage=3.7 V.
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	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Controller	INN-CO	CO2000	N/A	N/A	N/A	N/A	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Horn Antenna	Com-Power	AH118	071025	1G-18G	Mar. 29, 2006	Mar. 28, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0 ~ 360 degree	N/A	N/A	Radiation (03CH06-HY)
Antenna Mast	INN-CO	MM3000	114/8000604/ L	1 m - 4 m	N/A	N/A	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