



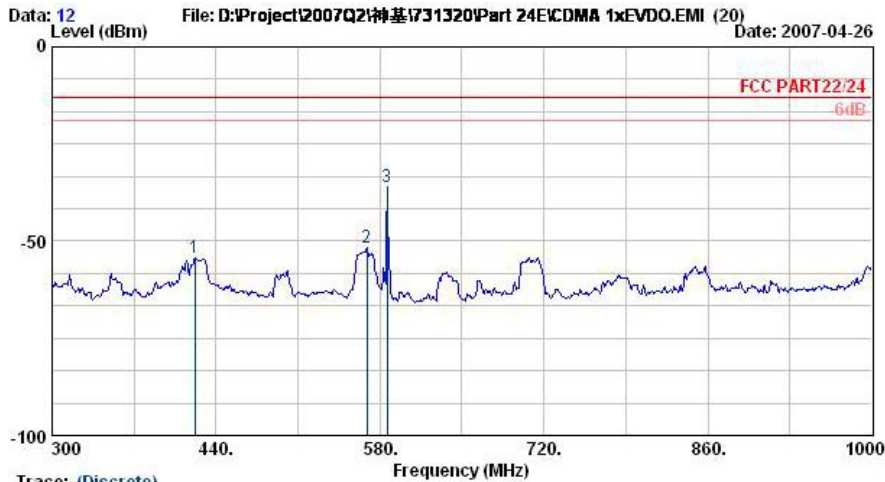
Vertical Polarization



Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo :

Trace: (Discrete)

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	58.08	-55.77	-42.77	-13.00	-42.07	-13.70	Peak
2 @	98.58	-55.18	-42.18	-13.00	-47.35	-7.83	Peak
3 @	284.88	-54.10	-41.10	-13.00	-47.33	-6.77	Peak



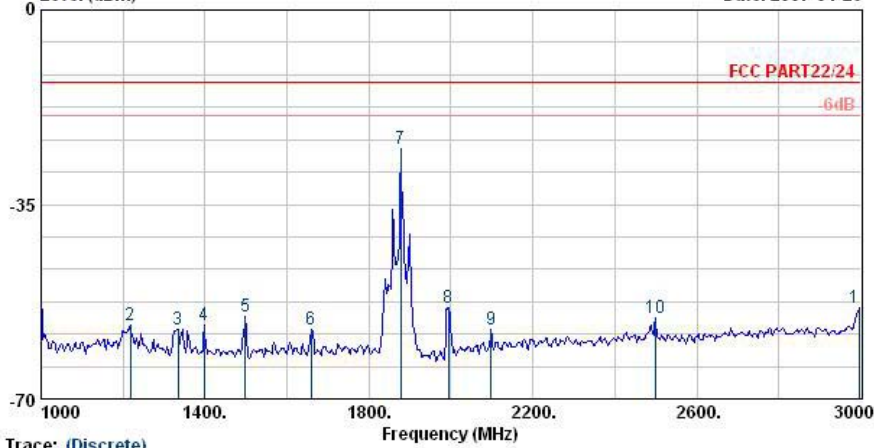
Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo :

Trace: (Discrete)

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	421.80	-54.33	-41.33	-13.00	-50.27	-4.06	Peak
2 @	568.80	-51.66	-38.66	-13.00	-49.34	-2.31	Peak
3 @	586.30	-36.01	-23.01	-13.00	-33.92	-2.09	Peak



Data: 13 File: D:\Project\2007Q2\神基\731320\Part 24E\CDMA 1xEVDO.EMI (20) Date: 2007-04-26



Trace: (Discrete)

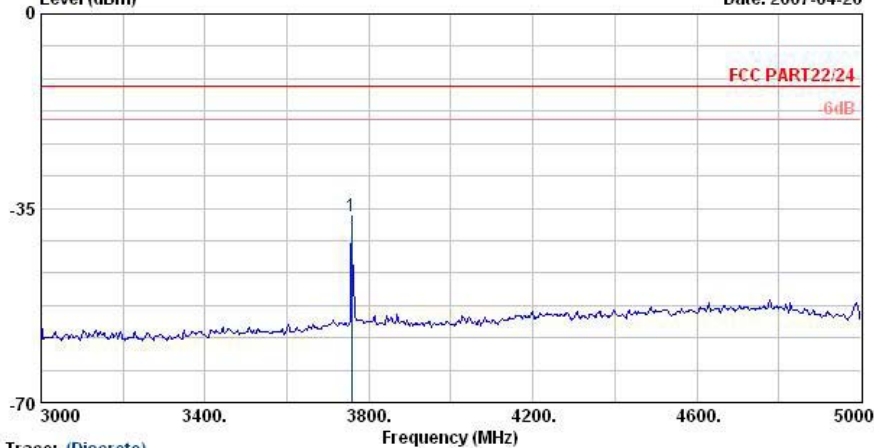
Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 PCS Link;CH600+Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	Limit	Line	Level	dB	
1 @	1000.00	-51.81	-38.81	-13.00	-51.03	-0.79	Peak
2 @	1218.00	-56.72	-43.72	-13.00	-56.02	-0.70	Peak
3 @	1334.00	-57.40	-44.40	-13.00	-56.60	-0.80	Peak
4 @	1398.00	-56.62	-43.62	-13.00	-55.70	-0.91	Peak
5 @	1498.00	-55.12	-42.12	-13.00	-54.26	-0.86	Peak
6 @	1658.00	-57.41	-44.41	-13.00	-56.93	-0.48	Peak
7 @	1878.00	-24.93			-24.53	-0.40	Peak
8 @	1994.00	-53.64			-52.94	-0.69	Peak
9 @	2098.00	-57.50	-44.50	-13.00	-57.93	0.43	Peak
10 @	2498.00	-55.51	-42.51	-13.00	-57.78	2.27	Peak
11 @	2998.00	-53.49	-40.49	-13.00	-56.88	3.39	Peak

Remark:

- #7: MS Signal
- #8: BS Signal

Data: 14 File: D:\Project\2007Q2\神基\731320\Part 24E\CDMA 1xEVDO.EMI (20) Date: 2007-04-26



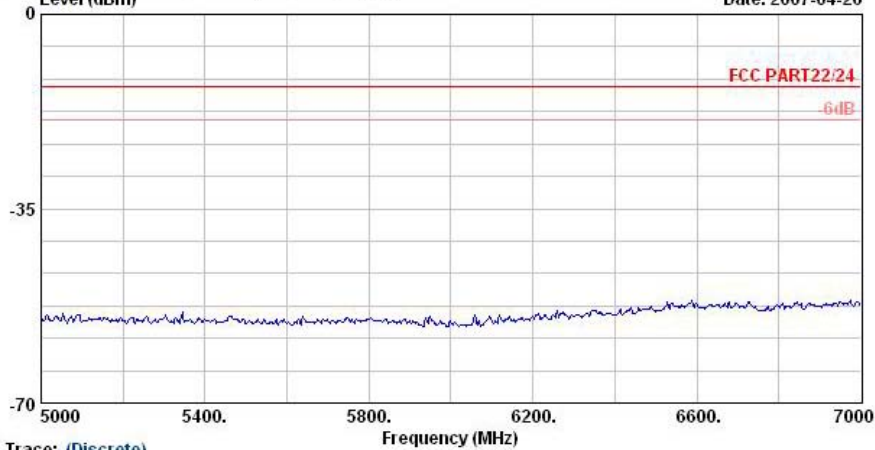
Trace: (Discrete)

Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 PCS Link;CH600+Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	Limit	Line	Level	dB	
1 @	3758.00	-36.47	-23.47	-13.00	-43.11	6.64	Peak



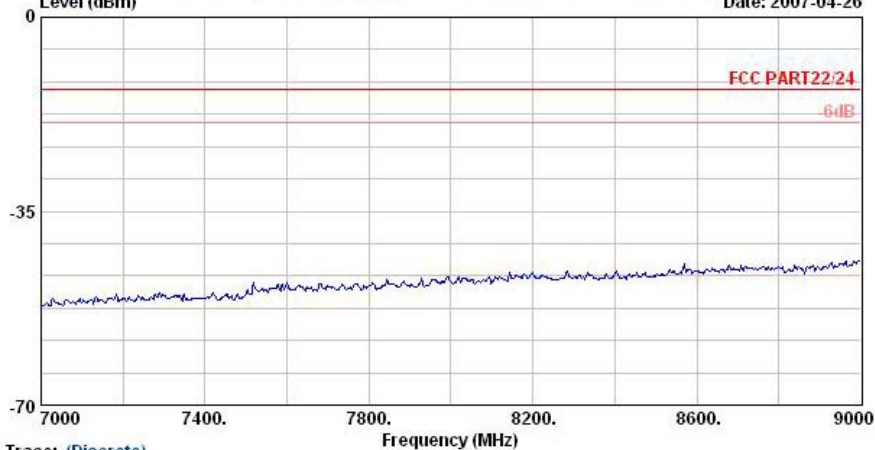
Data: 15 Level (dBm) File: D:\Project\2007Q2\诺基亚731320\Part 24E\CDMA 1xEVDO.EMI (20) Date: 2007-04-26



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 PCS Link;CH600+Adaptor

Data: 16 Level (dBm) File: D:\Project\2007Q2\诺基亚731320\Part 24E\CDMA 1xEVDO.EMI (20) Date: 2007-04-26



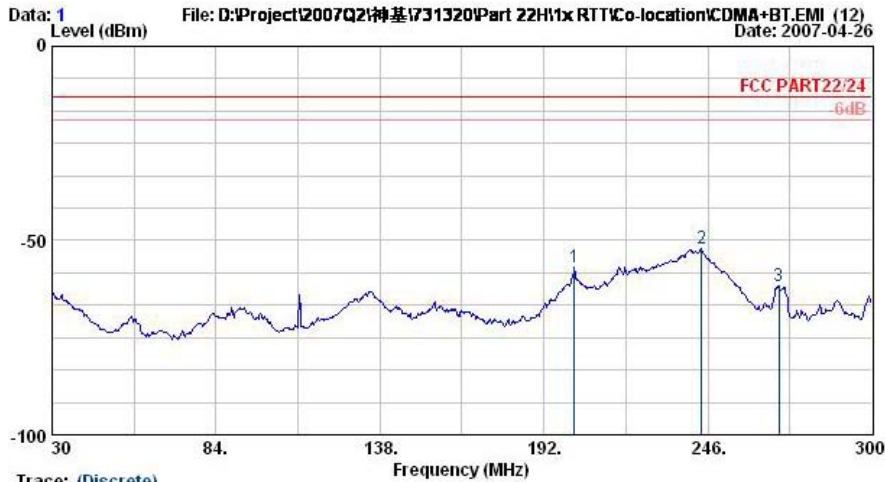
Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 PCS Link;CH600+Adaptor

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

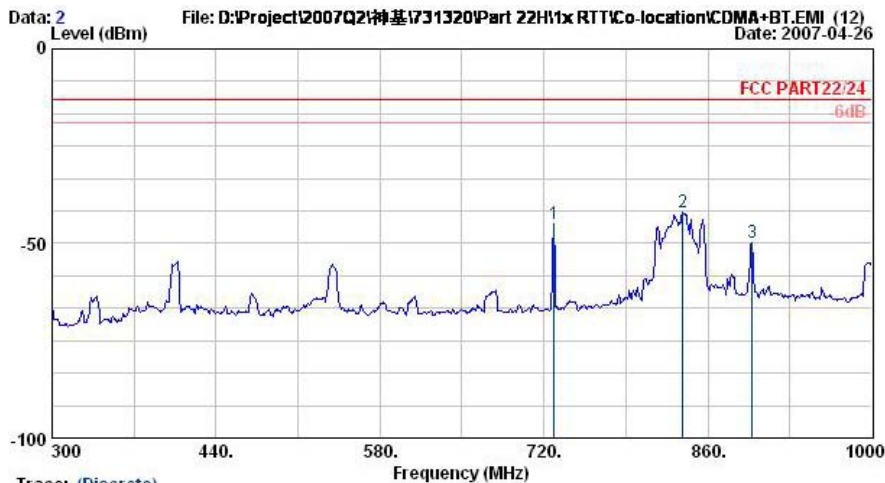


4.6.5.5 Mode 5
Horizontal Polarization



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LP-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH364+BT Tx_CH39
 Memo : +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	201.99	-56.97	-43.97	-13.00	-43.65	-13.32	Peak
2 @	243.84	-52.03	-39.03	-13.00	-40.14	-11.88	Peak
3 @	269.49	-61.53	-48.53	-13.00	-50.55	-10.98	Peak



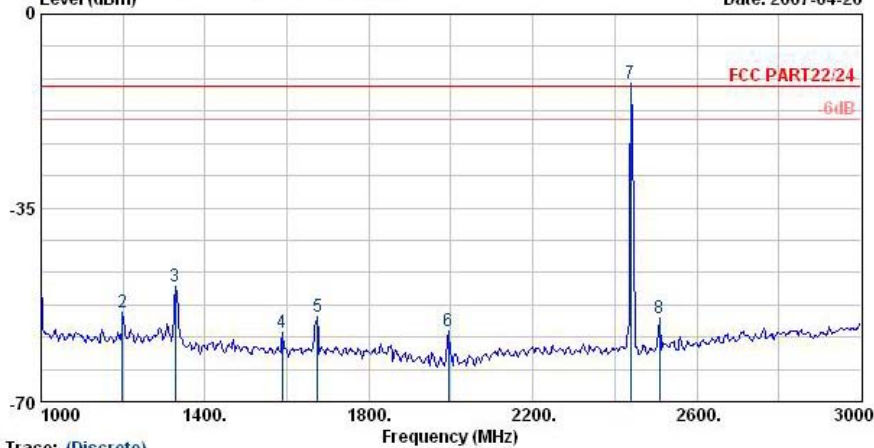
Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LP-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH364+BT Tx_CH39
 Memo : +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	728.40	-44.89	-31.89	-13.00	-42.46	-2.43	Peak
2 @	838.30	-42.16			-40.84	-1.32	Peak
3 @	897.80	-49.90			-49.16	-0.74	Peak

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



Data: 3 File: D:\Project\2007Q2\#731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26



Trace: (Discrete)

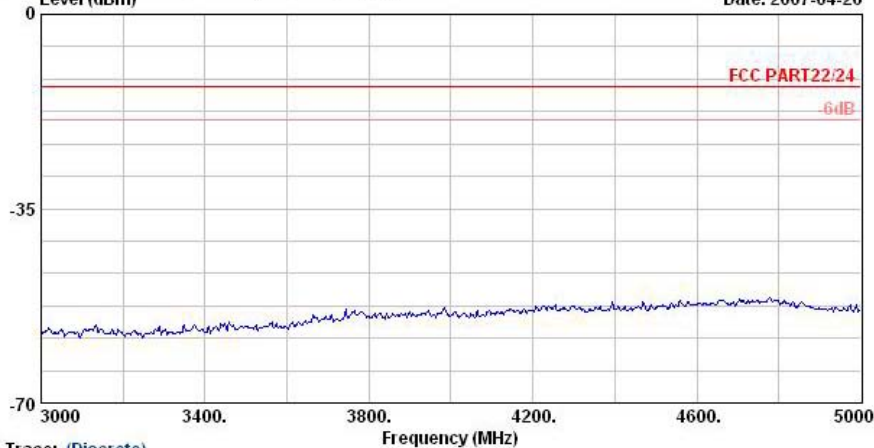
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH364+BT Tx_CH39
+Adaptor

Table with 8 columns: Freq (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Factor (dB), Remark. It lists 8 discrete peaks with their respective frequencies and levels.

Remark:

- 1. #7: BT Signal

Data: 4 File: D:\Project\2007Q2\#731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26

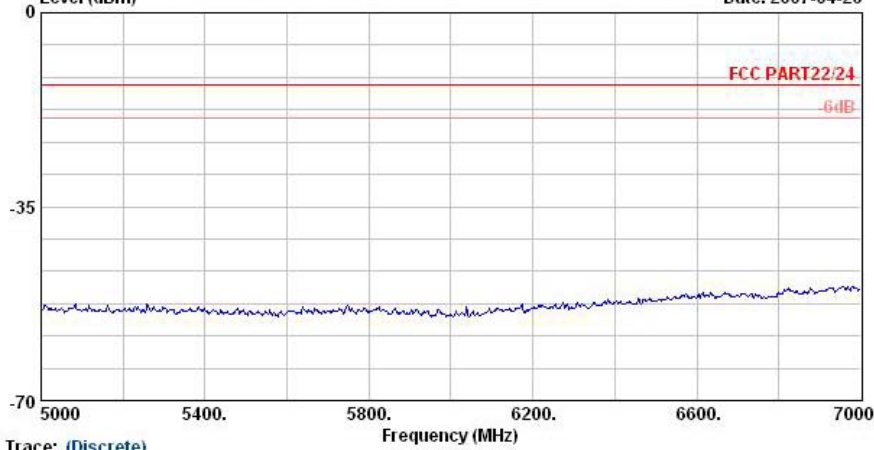


Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH364+BT Tx_CH39
+Adaptor

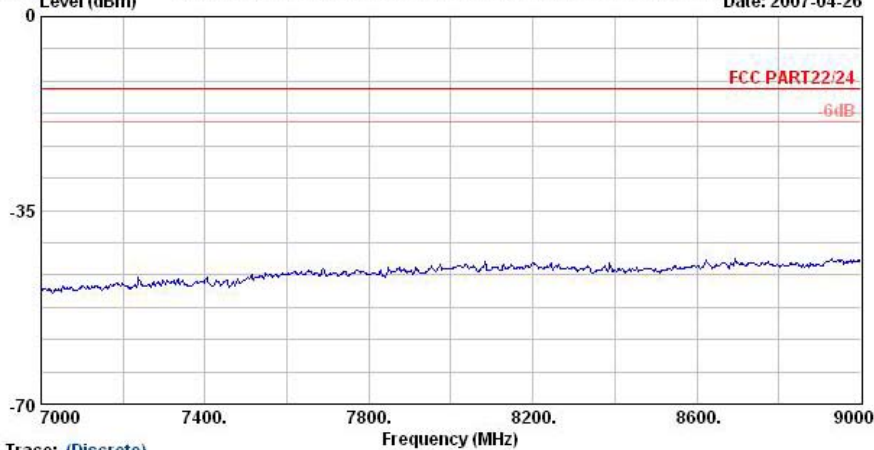


Data: 5 File: D:\Project\2007Q2\诺基731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26



Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
+Adaptor

Data: 6 File: D:\Project\2007Q2\诺基731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26

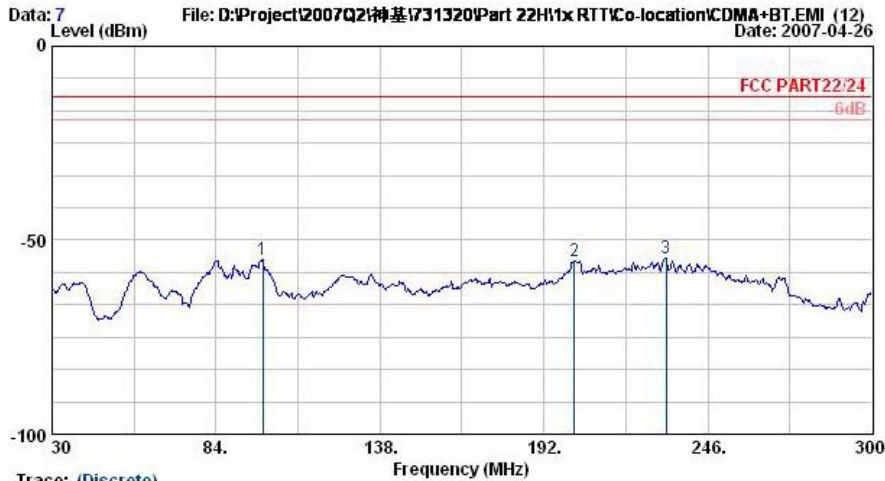


Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
+Adaptor

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



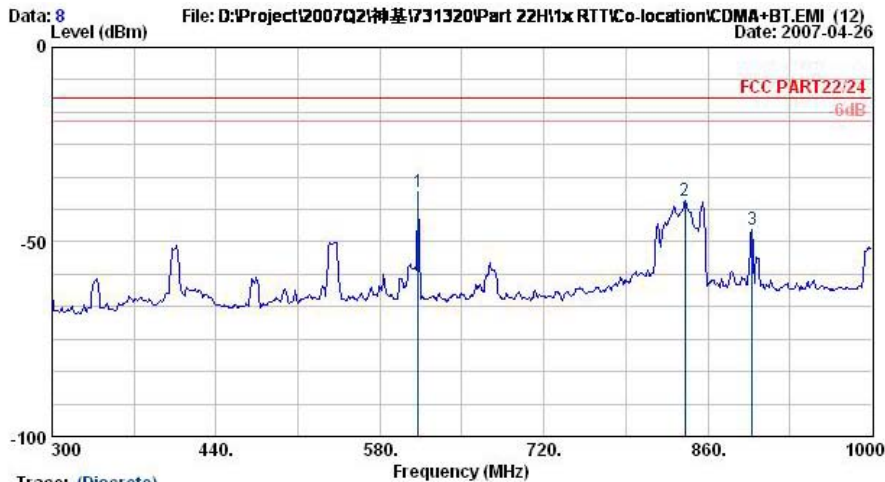
Vertical Polarization



Trace: (Discrete)

Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
 +Adaptor

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	99.39	-55.04	-42.04	-13.00	-47.35	-7.69 Peak
2 @	201.99	-55.35	-42.35	-13.00	-46.80	-8.55 Peak
3 @	232.23	-54.75	-41.75	-13.00	-46.85	-7.91 Peak



Trace: (Discrete)

Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
 +Adaptor

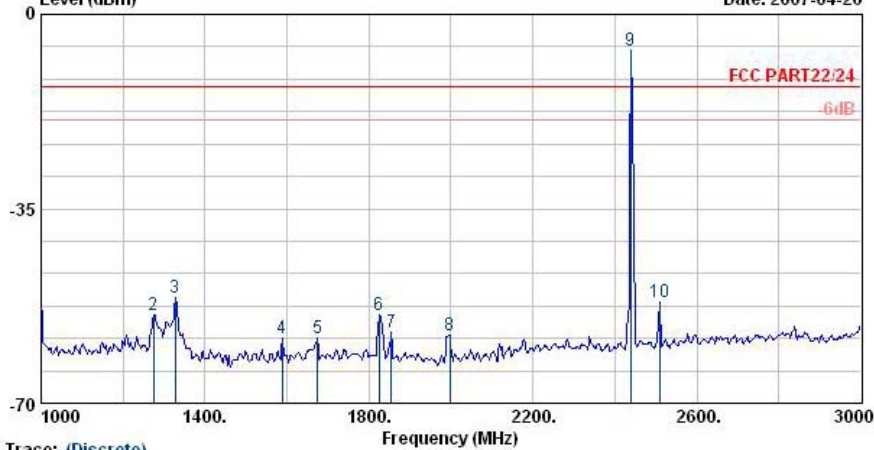
	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor Remark
			dB	dBm	dBm	dB
1 @	612.90	-37.17	-24.17	-13.00	-35.43	-1.74 Peak
2 @	840.40	-39.30			-40.69	1.39 Peak
3 @	897.80	-46.65			-48.50	1.85 Peak

Remark:

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



Data: 9 File: D:\Project\2007Q2\#基731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26



Trace: (Discrete)

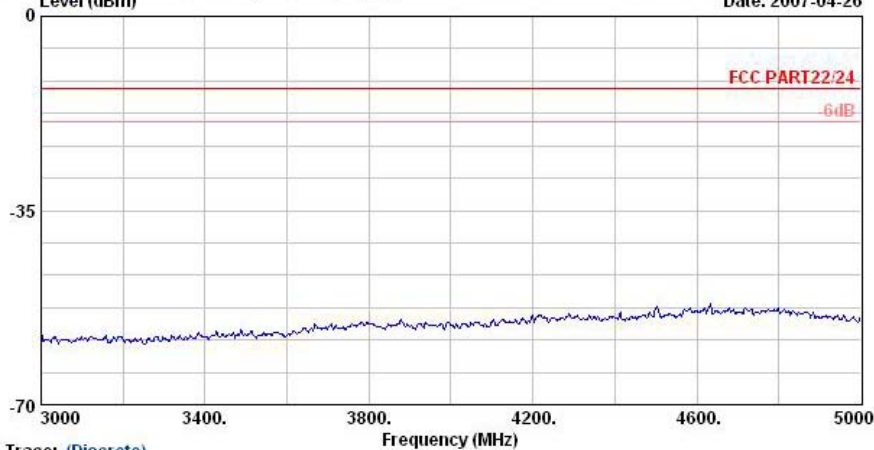
Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH38
Memo : +Adaptor

Table with 7 columns: Freq (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Factor (dB), Remark. Contains 10 rows of peak data.

Remark:

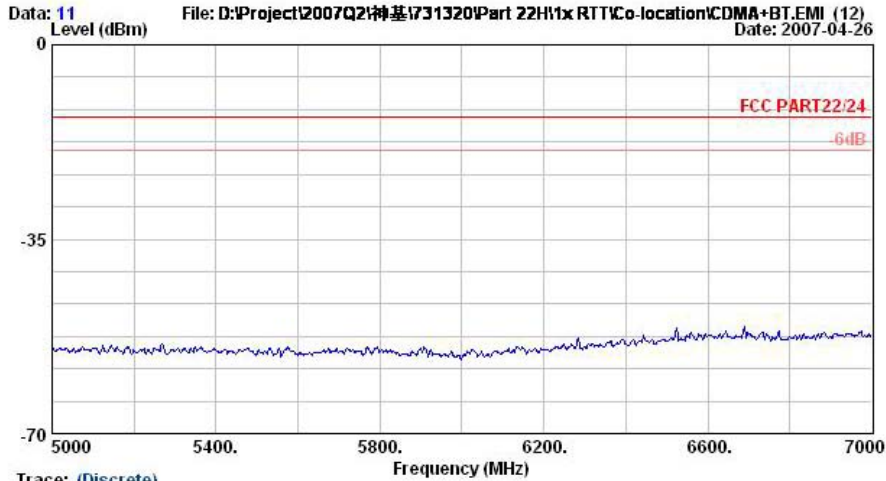
- 1. #9: BT Signal

Data: 10 File: D:\Project\2007Q2\#基731320\Part 22H1x RTT\Co-location\CDMA+BT.EMI (12) Date: 2007-04-26



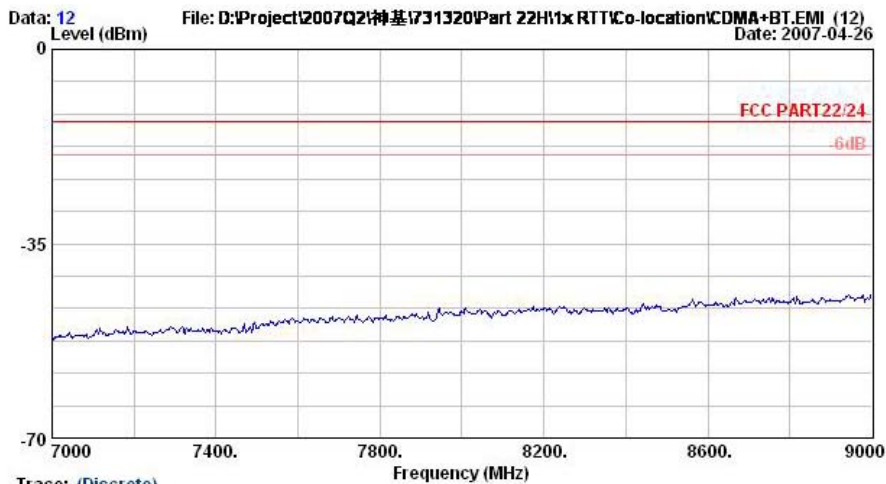
Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH38
Memo : +Adaptor



Trace: (Discrete)

Site : 03CH06-HY
Condition : HP-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
+Adaptor



Trace: (Discrete)

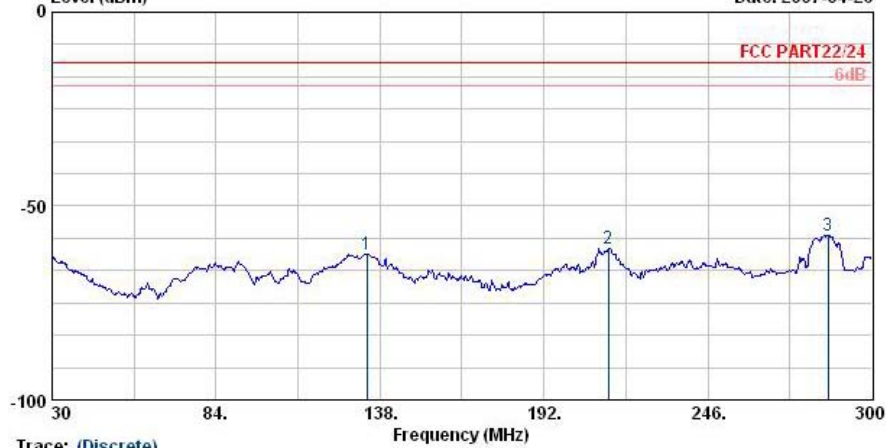
Site : 03CH06-HY
Condition : HP-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+BT Tx_CH39
+Adaptor

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



4.6.5.6 Mode 6
Horizontal Polarization

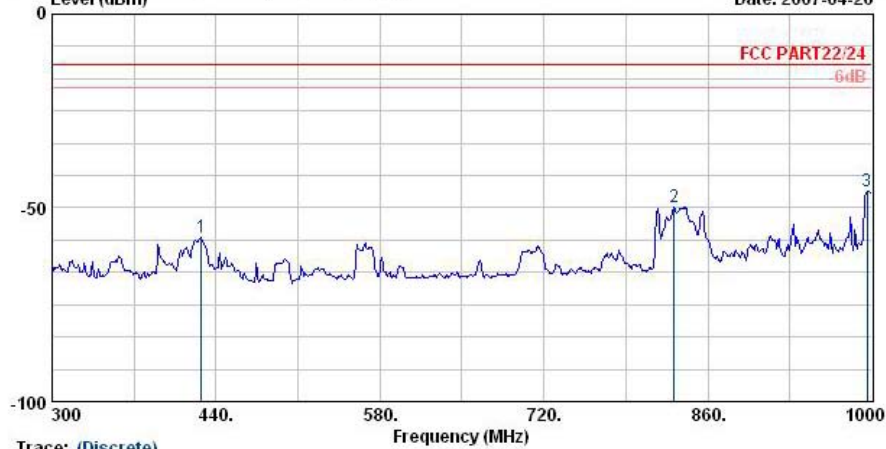
Data: 1 File: D:\Project\2007Q2\神基\731320\Part 22H1\RTT\Co-location\CDMA+WLAN.EMI (12) Date: 2007-04-26



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LF-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH364+11b Tx_CH01
 +Adaptor

	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	Factor dB	Remark
1	133.68	-62.38	-49.38	-13.00	-49.75	-12.63	Peak
2	213.33	-60.89	-47.89	-13.00	-47.97	-12.92	Peak
3	285.69	-57.48	-44.48	-13.00	-47.07	-10.41	Peak

Data: 2 File: D:\Project\2007Q2\神基\731320\Part 22H1\RTT\Co-location\CDMA+WLAN.EMI (12) Date: 2007-04-26



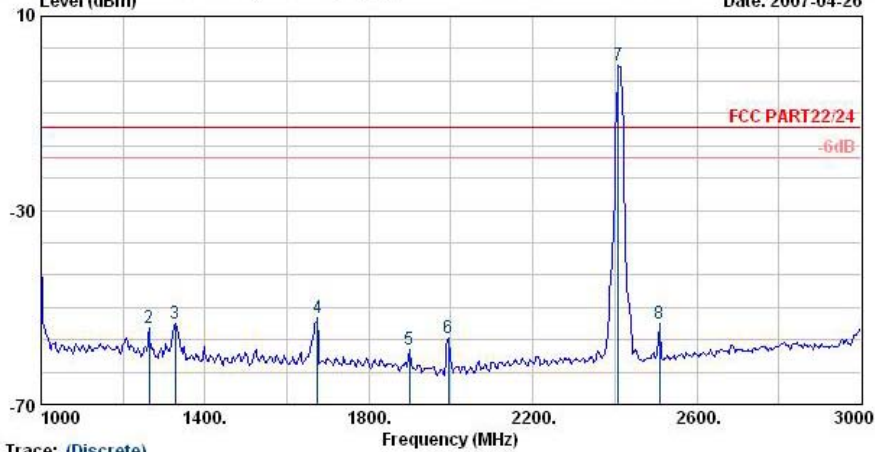
Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LF-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH364+11b Tx_CH01
 +Adaptor

	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	Factor dB	Remark
1	427.40	-57.69	-44.69	-13.00	-51.58	-6.11	Peak
2	831.30	-49.65			-48.26	-1.39	Peak
3 @	995.80	-45.66			-45.86	0.20	Peak

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



Data: 3 File: D:\Project\2007Q2\#731320\Part 22H1x RTT\Co-location\CDMA+WLAN.EMI (12) Date: 2007-04-26



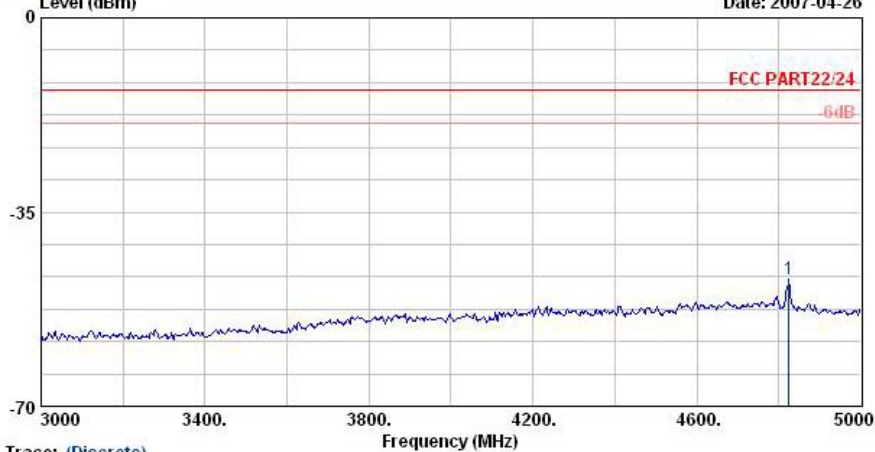
Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 : +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	1000.00	-40.40	-27.40	-13.00	-42.21	1.80	Peak
2	1264.00	-54.28	-41.28	-13.00	-55.47	1.20	Peak
3	1328.00	-53.47	-40.47	-13.00	-54.43	0.96	Peak
4	1674.00	-52.07	-39.07	-13.00	-52.30	0.22	Peak
5	1898.00	-58.68	-45.68	-13.00	-58.01	-0.68	Peak
6	1994.00	-56.31	-43.31	-13.00	-55.03	-1.28	Peak
7 @	2408.00	-0.16		-13.00	-1.05	0.89	Peak
8	2508.00	-53.38	-40.38	-13.00	-54.58	1.20	Peak

Remark:

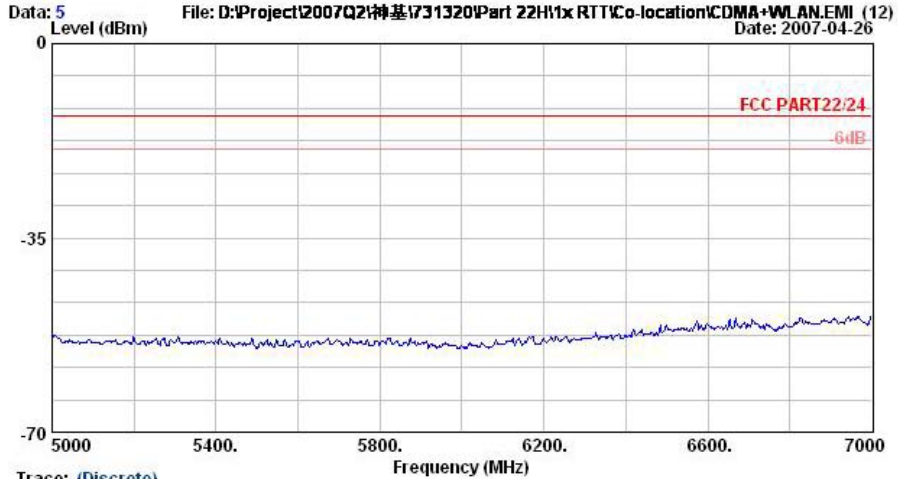
- #7: WLAN Signal

Data: 4 File: D:\Project\2007Q2\#731320\Part 22H1x RTT\Co-location\CDMA+WLAN.EMI (12) Date: 2007-04-26



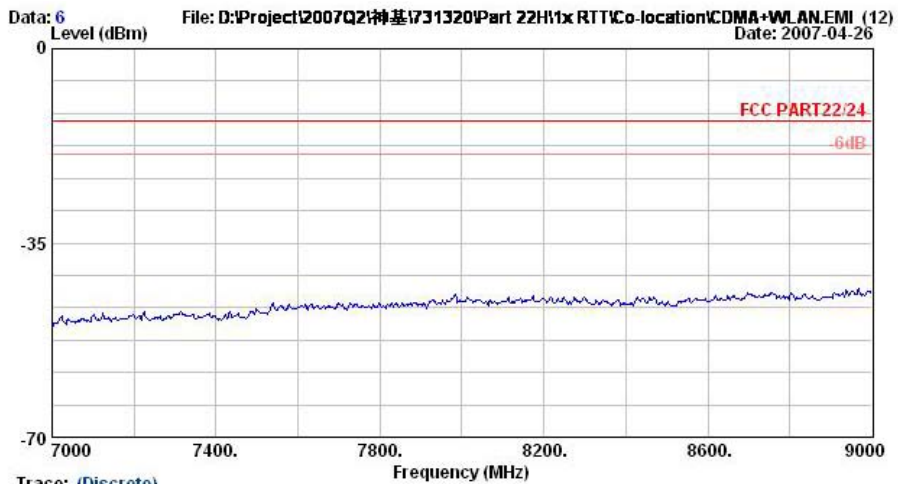
Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 : +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	4824.00	-47.18	-34.18	-13.00	-58.73	11.55	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
+Adaptor



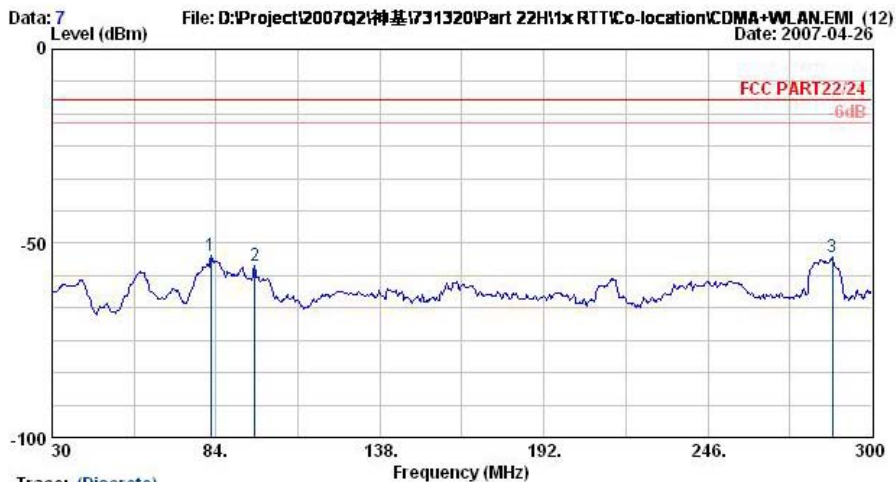
Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
+Adaptor

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



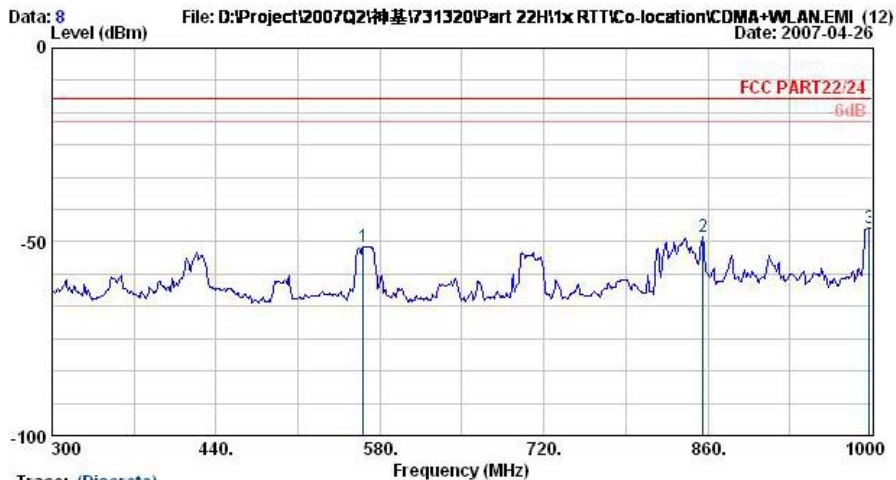
Vertical Polarization



Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 +Adaptor

Trace: (Discrete)

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor
			dB	dBm	dBm	dB
1	82.38	-53.32	-40.32	-13.00	-43.11	-10.21 Peak
2	96.69	-55.82	-42.82	-13.00	-47.71	-8.11 Peak
3	287.04	-53.64	-40.64	-13.00	-46.91	-6.73 Peak



Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 +Adaptor

Trace: (Discrete)

	Freq	Level	Over	Limit	Read	
	MHz	dBm	Limit	Line	Level	Factor
			dB	dBm	dBm	dB
1	566.00	-51.16	-38.16	-13.00	-48.82	-2.34 Peak
2 @	855.80	-48.69			-50.20	1.51 Peak
3 @	997.90	-46.31			-48.96	2.64 Peak

Remark:

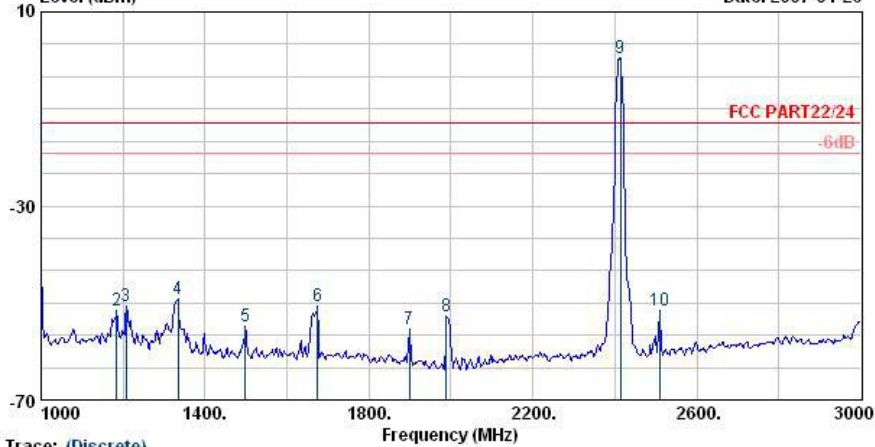
- 1. #2: MS Signal
- 2. #3: BS Signal



FCC TEST REPORT

Report No. : FG731320

Data: 9 File: D:\Project\2007Q2\神基\731320\Part 22H1x RTT\Co-location\CDMA+WLAN.EMI (12)
 Level (dBm) Date: 2007-04-26



Trace: (Discrete)

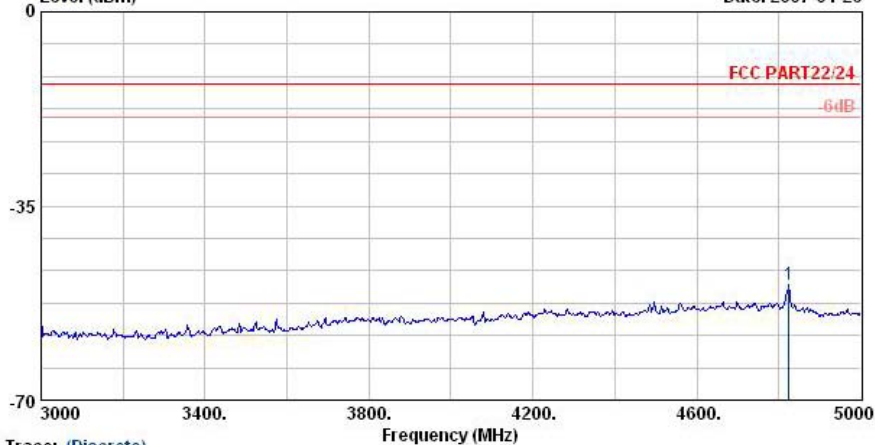
Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	1000.00	-43.72	-30.72	-13.00	-42.94	-0.79	Peak
2	1184.00	-51.49	-38.49	-13.00	-50.75	-0.73	Peak
3	1208.00	-50.54	-37.54	-13.00	-49.82	-0.72	Peak
4	1334.00	-49.22	-36.22	-13.00	-48.42	-0.80	Peak
5	1498.00	-54.73	-41.73	-13.00	-53.87	-0.86	Peak
6	1674.00	-50.60	-37.60	-13.00	-50.12	-0.48	Peak
7	1898.00	-55.39	-42.39	-13.00	-54.89	-0.50	Peak
8	1988.00	-52.80	-39.80	-13.00	-52.11	-0.69	Peak
9 @	2414.00	0.61			-1.26	1.87	Peak
10	2508.00	-51.62	-38.62	-13.00	-53.89	2.27	Peak

Remark:

- #9: WLAN Signal

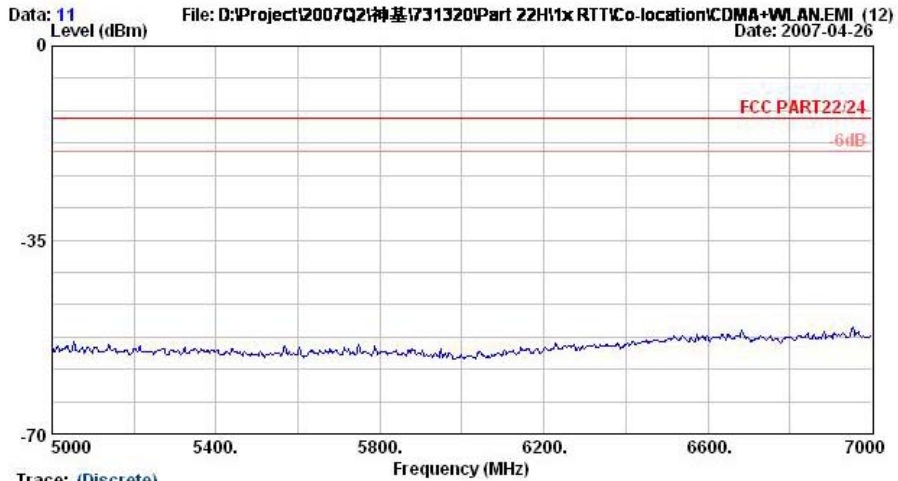
Data: 10 File: D:\Project\2007Q2\神基\731320\Part 22H1x RTT\Co-location\CDMA+WLAN.EMI (12)
 Level (dBm) Date: 2007-04-26



Trace: (Discrete)

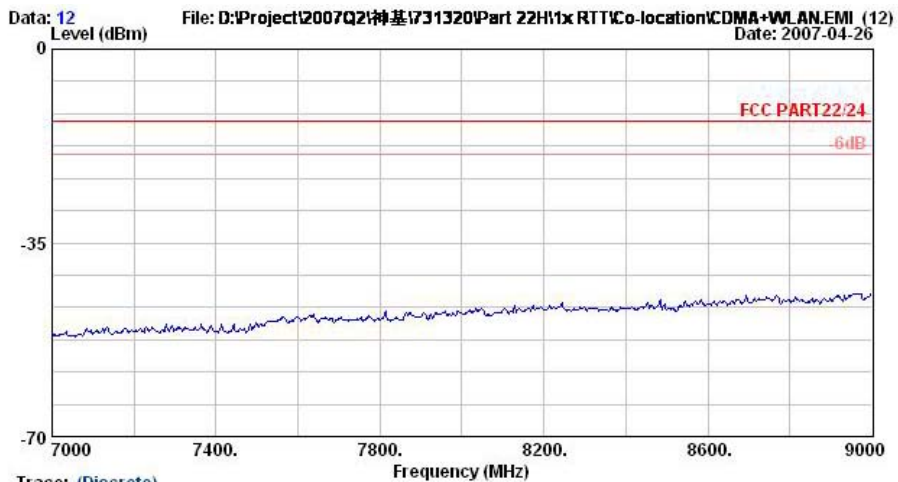
Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Notebook PC
 Power : 120Vac/60Hz
 Model : FG 731320
 Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
 +Adaptor

	Freq	Level	Over	Limit	Read	Factor	Remark
	MHz	dBm	dB	dBm	dBm	dB	
1 @	4824.00	-49.18	-36.18	-13.00	-59.41	10.23	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
Adaptor :



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : Notebook PC
Power : 120Vac/60Hz
Model : FG 731320
Memo : CDMA2000 Cellular Link;CH384+11b Tx_CH01
Adaptor :

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

4.7 Frequency Stability (Temperature Variation)

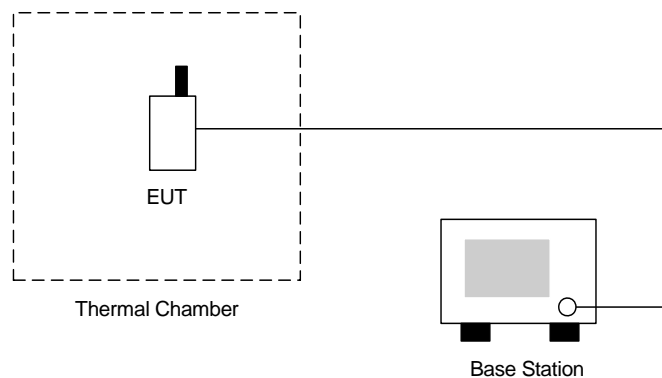
4.7.1 Measurement Instrument

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 : CDMA2000 Cellular 850 1xRTT FCH_RC3 CH384

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	8.32	0.00	2.5	Passed
-20	9.35	0.00		
-10	7.14	0.00		
0	7.80	0.00		
10	9.35	0.00		
20	3.17	0.00		
30	8.40	0.00		
40	5.73	0.00		
50	-3.37	0.00		

- Test Mode : CDMA2000 PCS 1900 1xRTT FCH_RC3 CH600

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	12.40	0.01	2.5	Passed
-20	19.70	0.01		
-10	13.35	0.01		
0	39.56	0.02		
10	13.58	0.01		
20	-2.26	0.00		
30	19.09	0.01		
40	12.25	0.01		
50	-12.81	-0.01		

4.8 Frequency Stability (Voltage Variation)

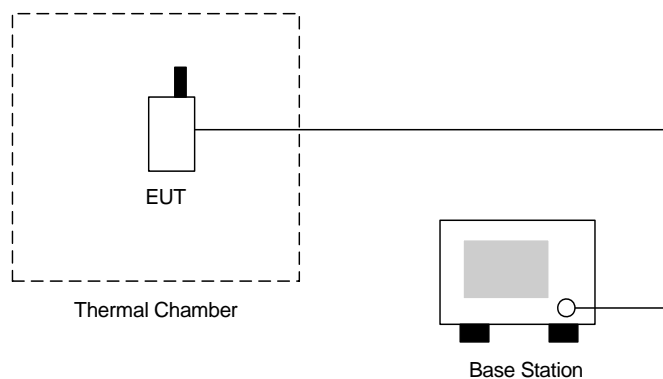
4.8.1 Measurement Instrument

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
21.9	0.4	0.00	2.5	Passed
BEP	-2.3	0.00		
19.0	3.8	0.00		

- Test Mode : CDMA2000 PCS 1900 1xRTT CH600

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
21.9	0.21	0.00	2.5	Passed
BEP	-3.14	0.00		
19.0	6.65	0.00		

Remark:

1. Normal Voltage=19 V.
2. Battery End Point (BEP)=16.2 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)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	10094	1G~18G	Dec. 26, 2006	Dec. 25, 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)
Base Station Simulator	Agilent	8960	GB463111322	WCDMA	Nov. 20, 2006	Nov. 19, 2007	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=2Ue(y)	4.72				

END OF TEST REPORT