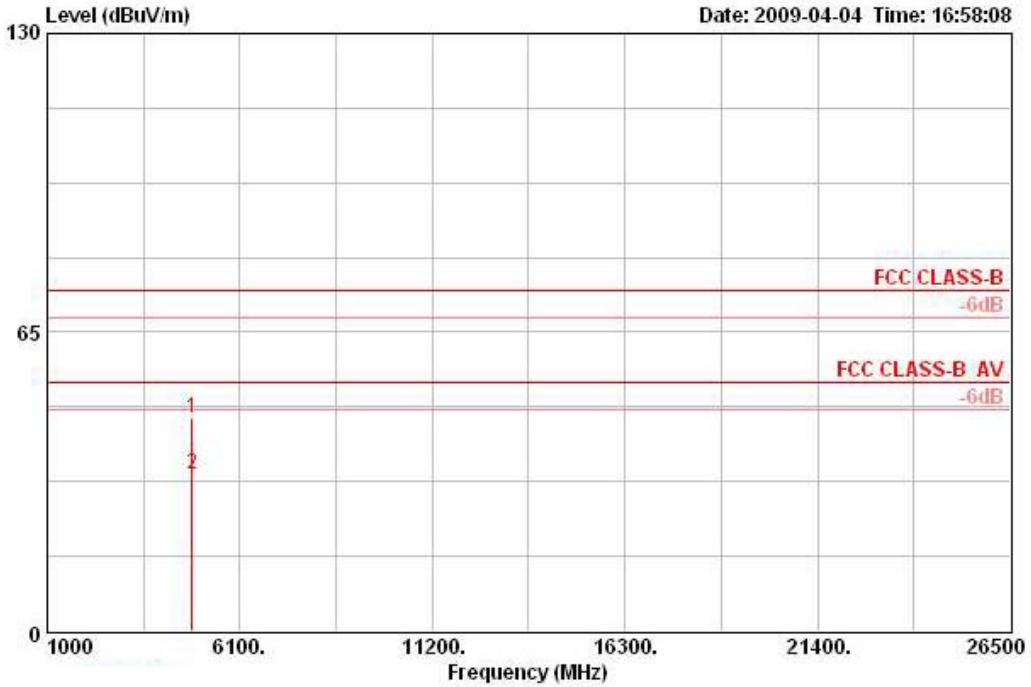
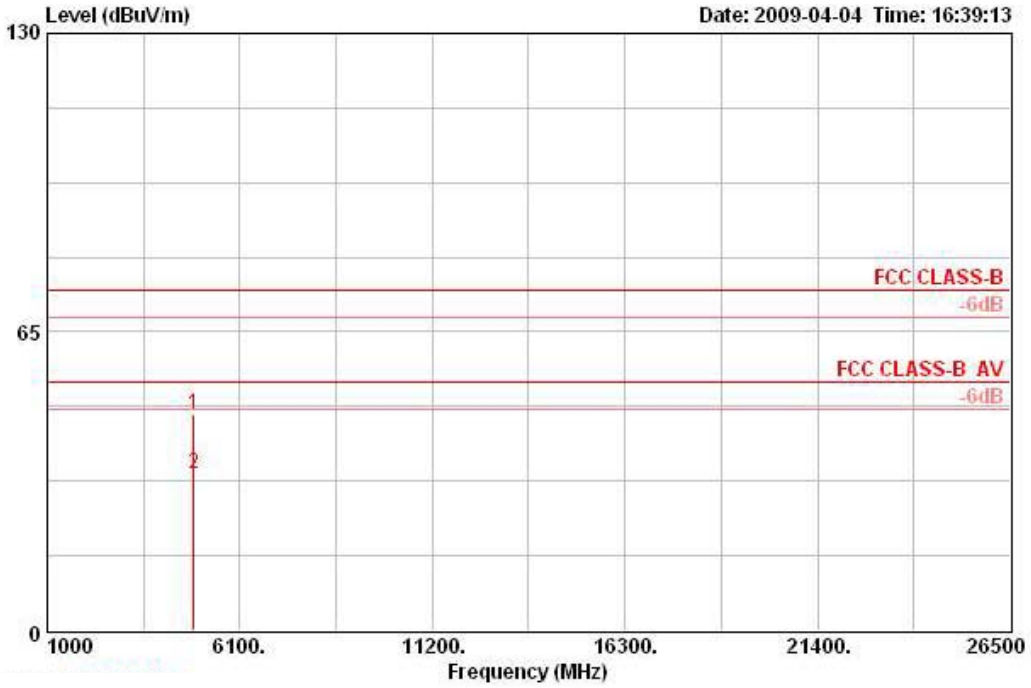
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4823.992	46.45	-27.55	74.00	41.88	33.39	35.20	6.39	PEAK	VERTICAL	0	100
2	4823.995	34.13	-19.87	54.00	29.56	33.39	35.20	6.39	AVERAGE	VERTICAL	0	100

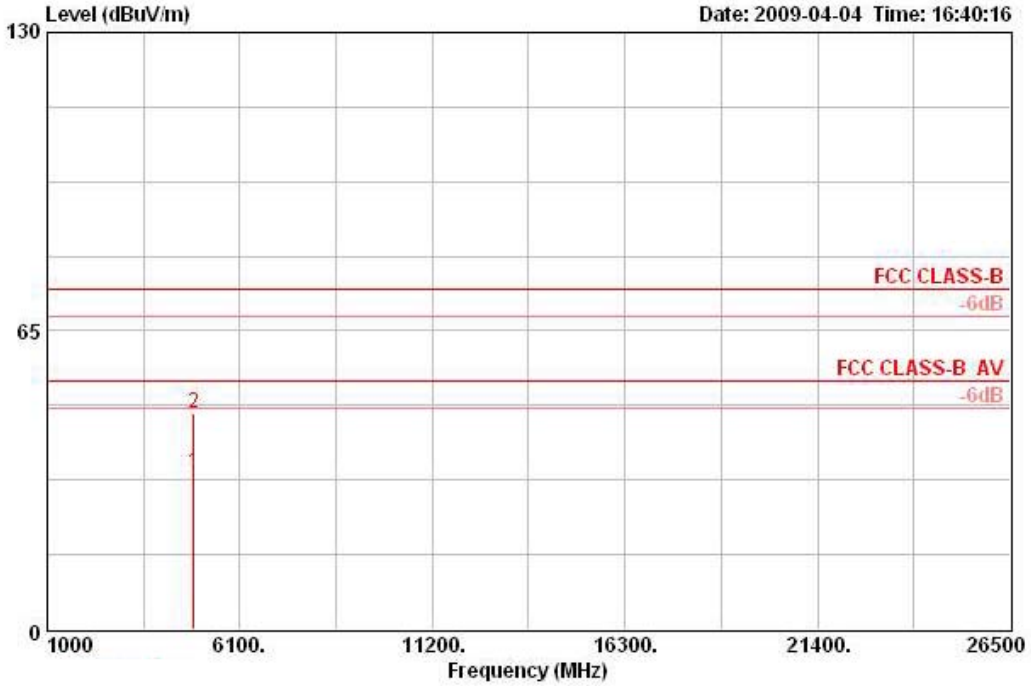
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 6 / Mode 4 with Ant. B-1 + Ant. B-2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4873.980	47.13	-26.87	74.00	42.29	33.48	35.20	6.56	PEAK	HORIZONTAL	360	100
2	4873.987	33.98	-20.02	54.00	29.14	33.48	35.20	6.56	AVERAGE	HORIZONTAL	360	100

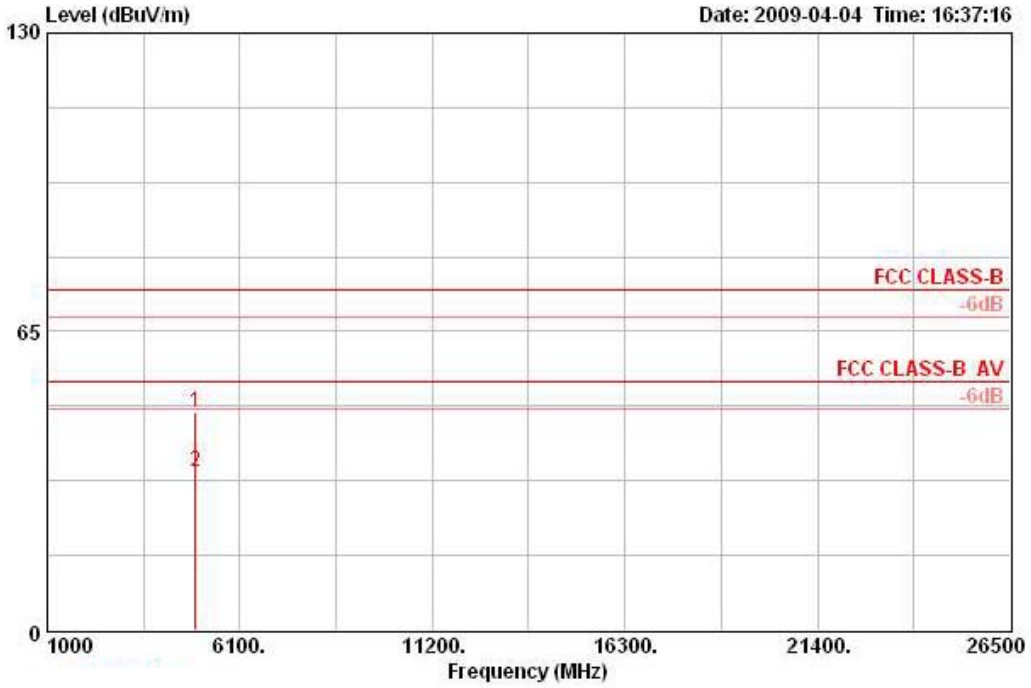
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4874.024	34.03	-19.97	54.00	29.19	33.48	35.20	6.56	AVERAGE	VERTICAL	0	100
2	4874.025	47.18	-26.82	74.00	42.34	33.48	35.20	6.56	PEAK	VERTICAL	0	100

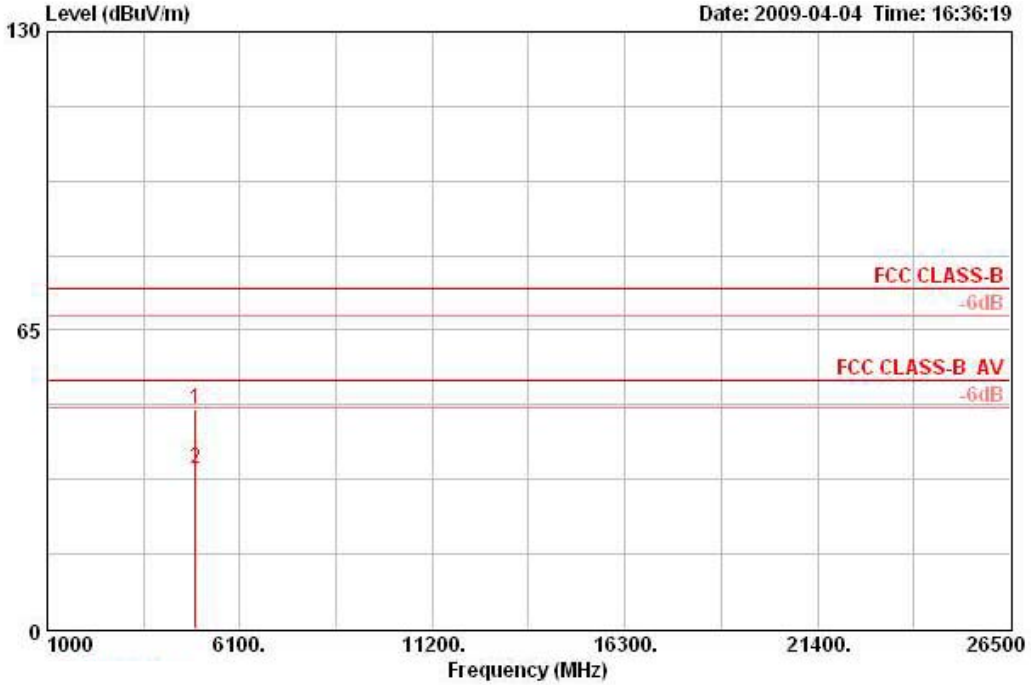
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch11 / Mode 4 with Ant. B-1 + Ant. B-2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4924.000	47.46	-26.54	74.00	42.36	33.58	35.20	6.73	PEAK	HORIZONTAL	0	100
2 @	4924.002	34.46	-19.54	54.00	29.35	33.58	35.20	6.73	AVERAGE	HORIZONTAL	0	100

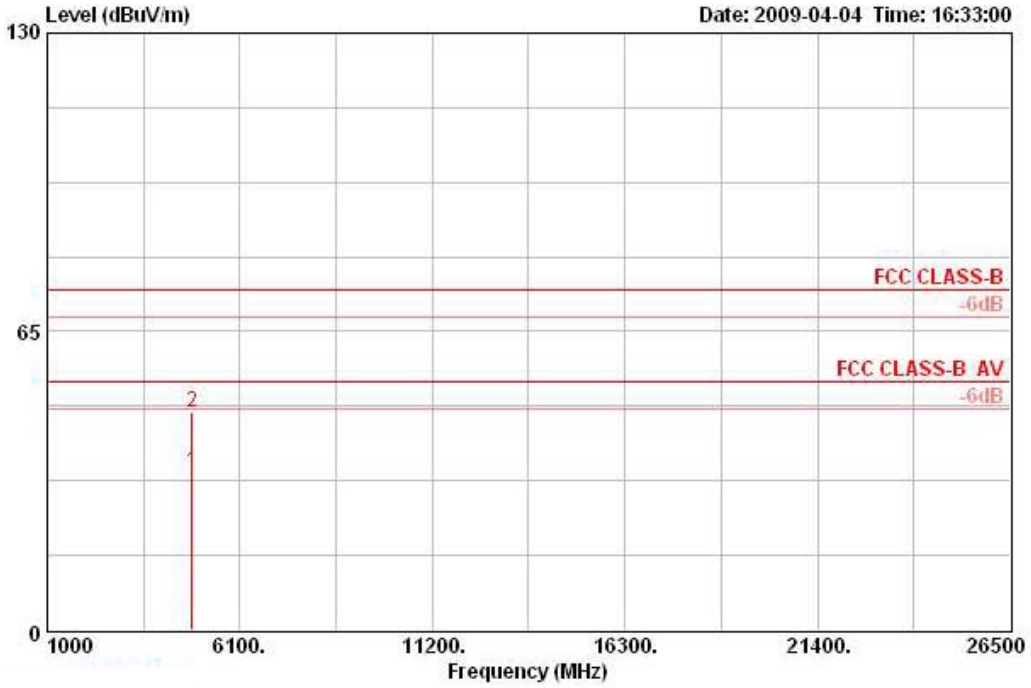
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4923.986	47.85	-26.15	74.00	42.74	33.58	35.20	6.73	PEAK	VERTICAL	360	100
2 @	4924.003	34.73	-19.27	54.00	29.62	33.58	35.20	6.73	AVERAGE	VERTICAL	360	100

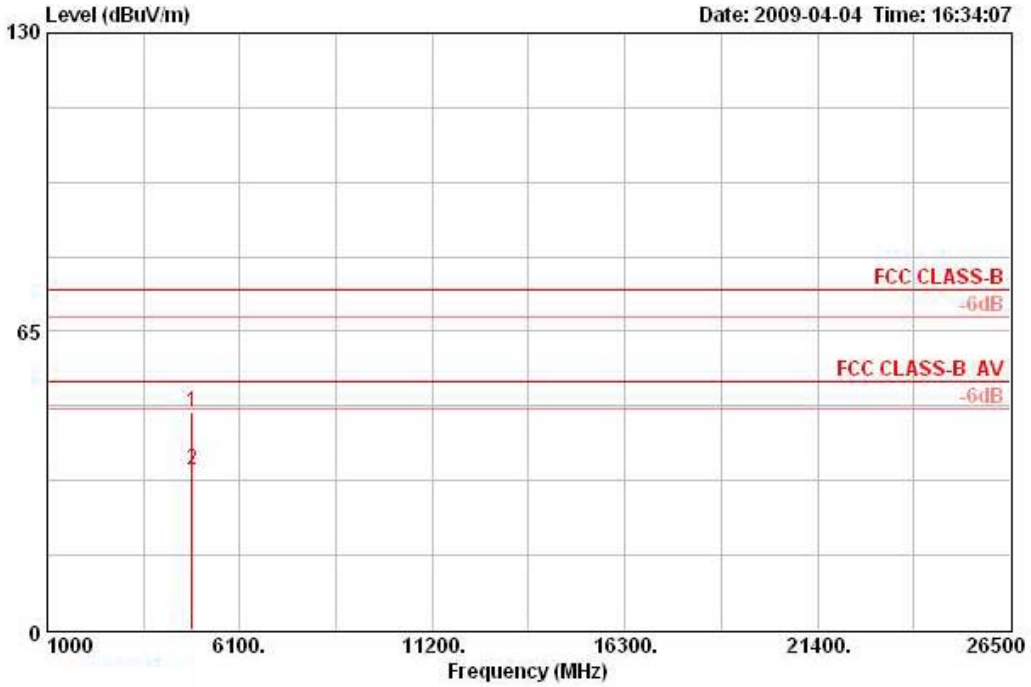
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 3 / Mode 4 with Ant. B-1 + Ant. B-2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4843.983	34.55	-19.45	54.00	29.86	33.42	35.20	6.47	AVERAGE	HORIZONTAL	360	100
2	4844.014	47.58	-26.42	74.00	42.88	33.42	35.20	6.47	PEAK	HORIZONTAL	360	100

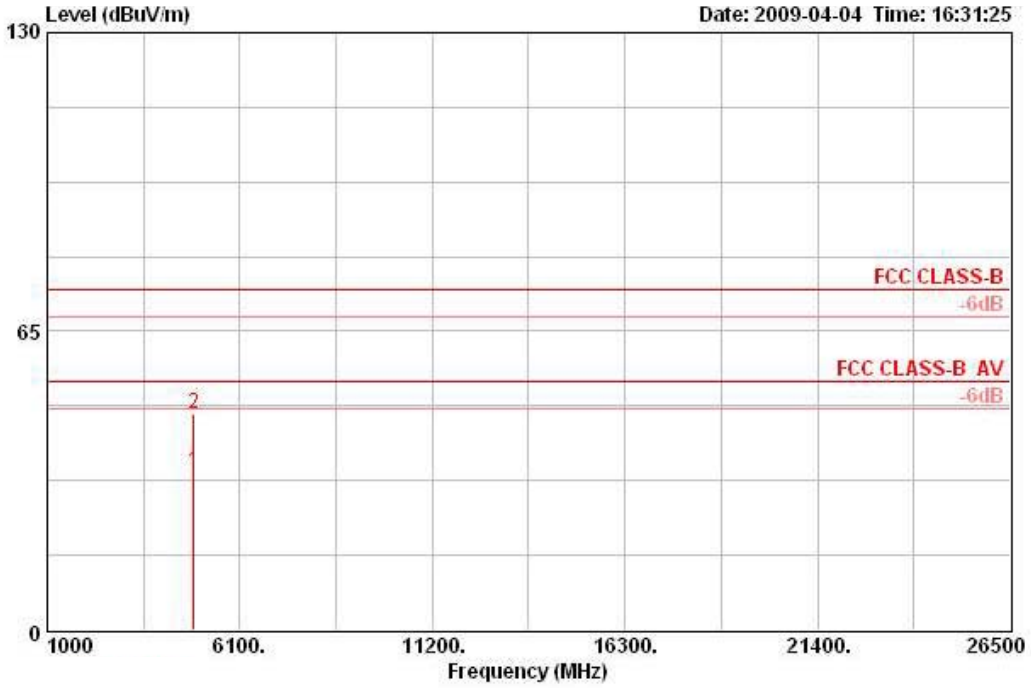
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4843.983	47.39	-26.61	74.00	42.70	33.42	35.20	6.47	PEAK	VERTICAL	0	100
2	4844.006	34.65	-19.35	54.00	29.95	33.42	35.20	6.47	AVERAGE	VERTICAL	0	100

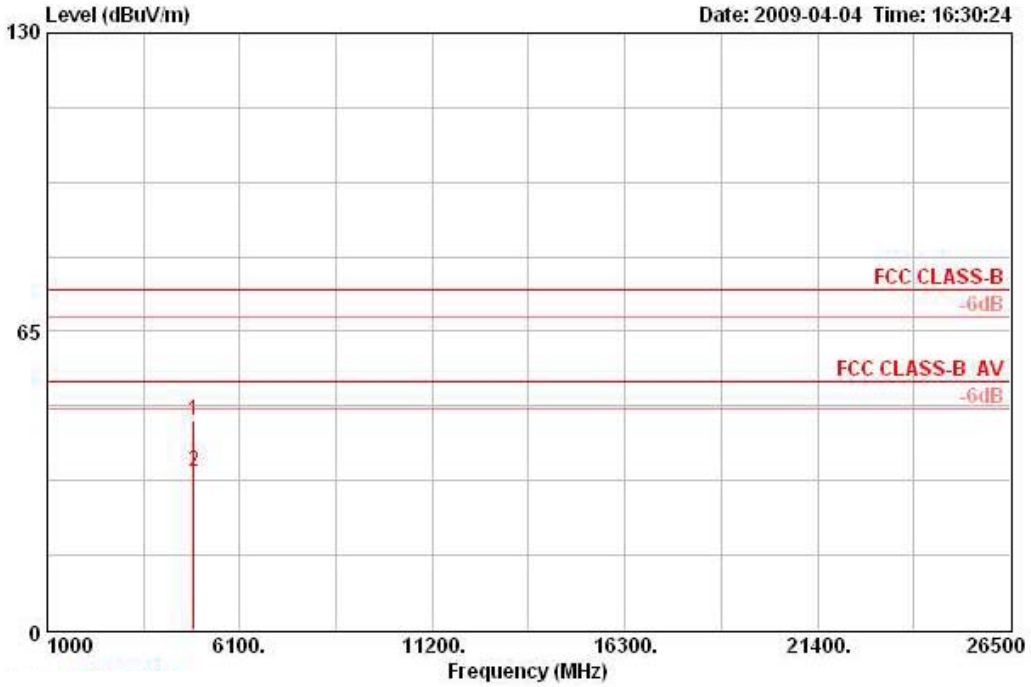
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 6 / Mode 4 with Ant. B-1 + Ant. B-2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4874.018	34.30	-19.70	54.00	29.46	33.48	35.20	6.56	AVERAGE	HORIZONTAL	0	100
2	4874.018	47.18	-26.82	74.00	42.34	33.48	35.20	6.56	PEAK	HORIZONTAL	0	100

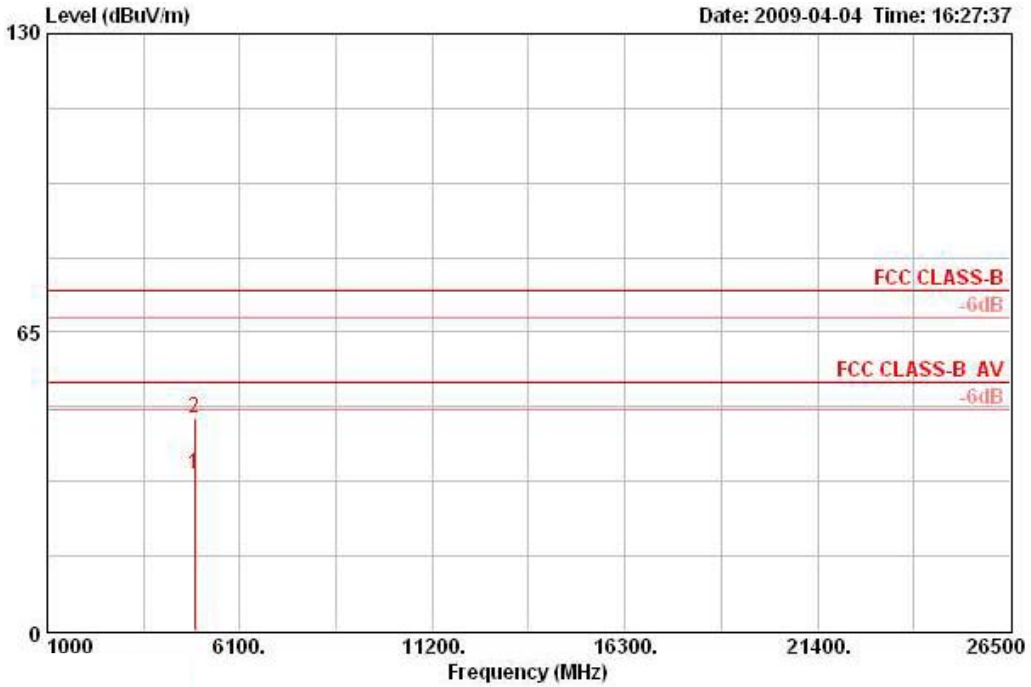
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4873.999	45.71	-28.29	74.00	40.87	33.48	35.20	6.56	PEAK	VERTICAL	360	100
2	4874.005	34.27	-19.73	54.00	29.42	33.48	35.20	6.56	AVERAGE	VERTICAL	360	100

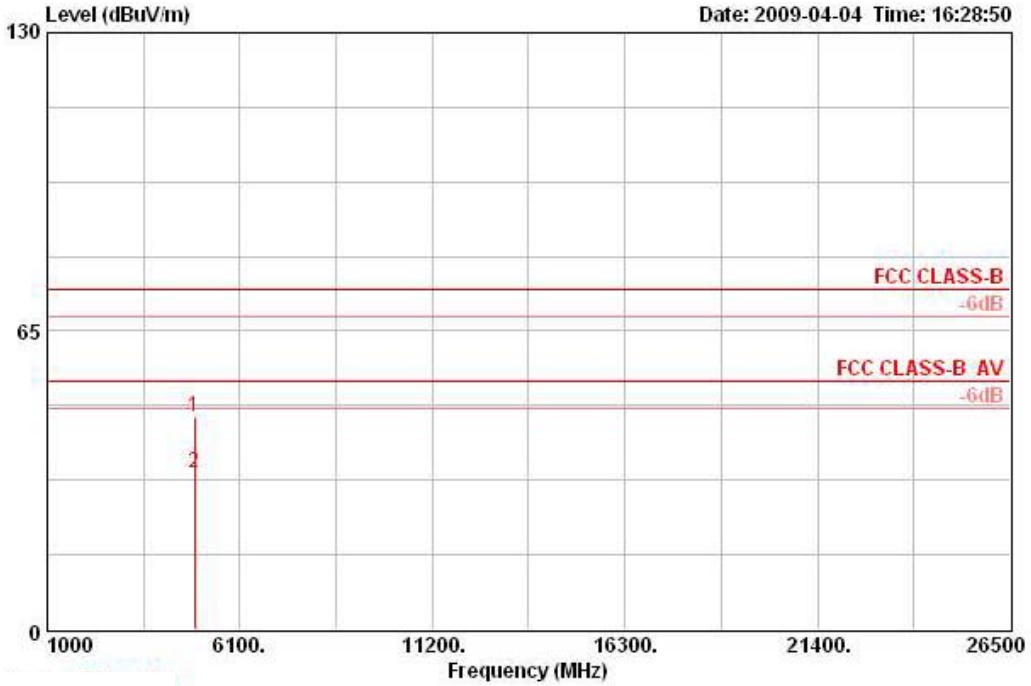
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 9 / Mode 4 with Ant. B-1 + Ant. B-2

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4904.013	34.11	-19.89	54.00	29.12	33.54	35.20	6.65	AVERAGE	HORIZONTAL	360	100
2	4904.023	46.21	-27.79	74.00	41.22	33.54	35.20	6.65	PEAK	HORIZONTAL	360	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4904.004	46.36	-27.64	74.00	41.37	33.54	35.20	6.65	PEAK	VERTICAL	0	100
2	4904.008	34.08	-19.92	54.00	29.09	33.54	35.20	6.65	AVERAGE	VERTICAL	0	100

Note:

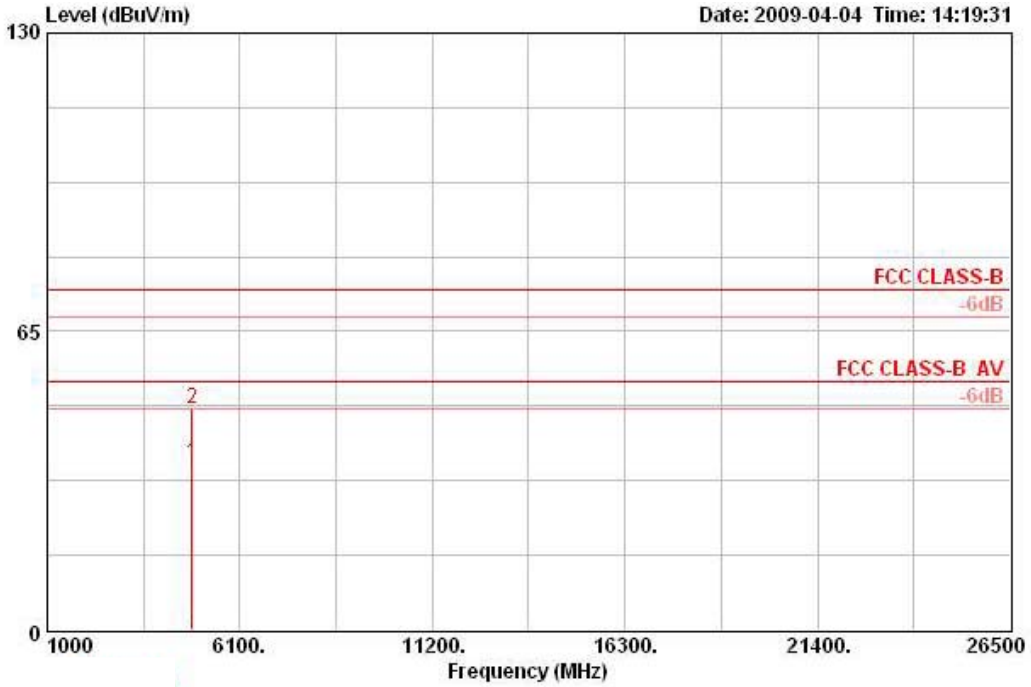
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

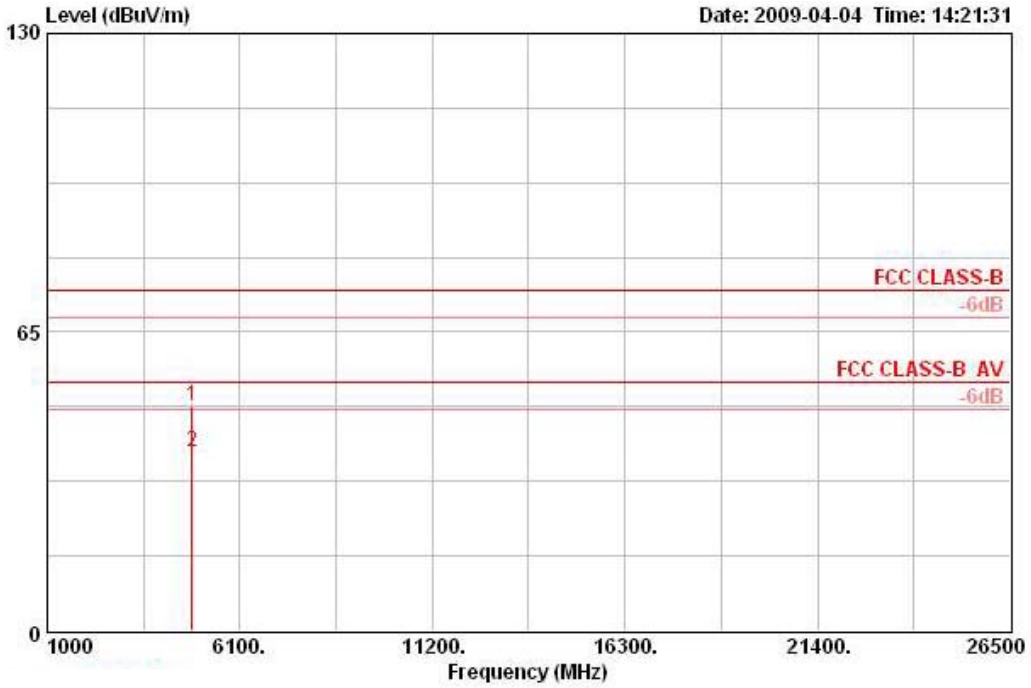
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 1 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4824.052	36.17	-17.83	54.00	31.59	33.39	35.20	6.39	AVERAGE	HORIZONTAL	46	100
2	4824.306	48.02	-25.98	74.00	43.44	33.39	35.20	6.39	PEAK	HORIZONTAL	46	100

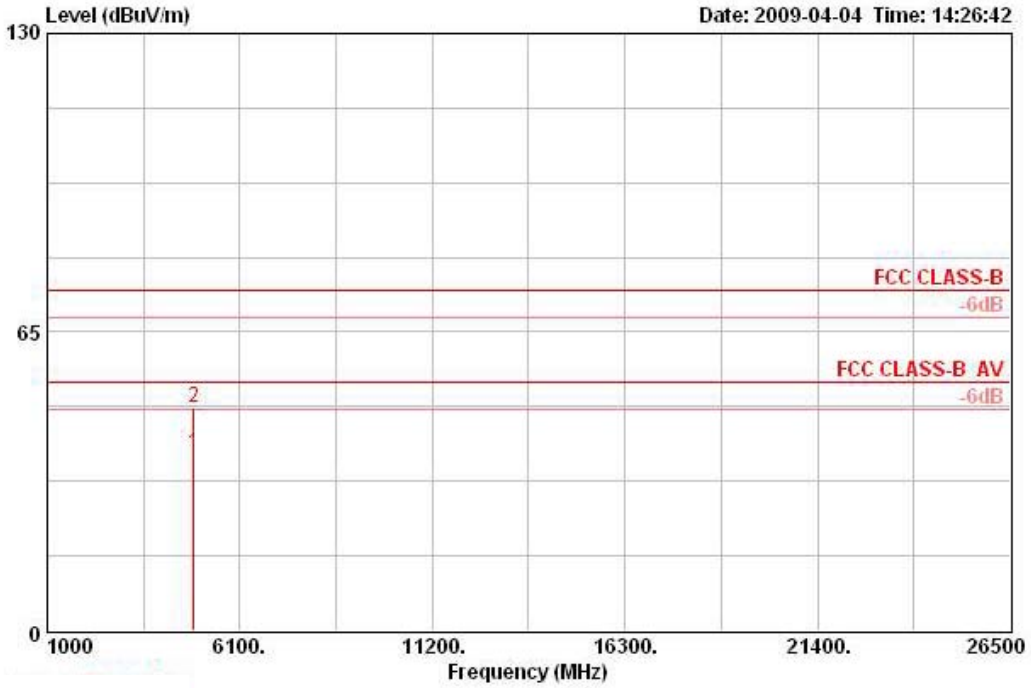
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4823.808	49.01	-24.99	74.00	44.43	33.39	35.20	6.39	PEAK	VERTICAL	107	100
2 @	4823.970	38.97	-15.03	54.00	34.39	33.39	35.20	6.39	AVERAGE	VERTICAL	107	100

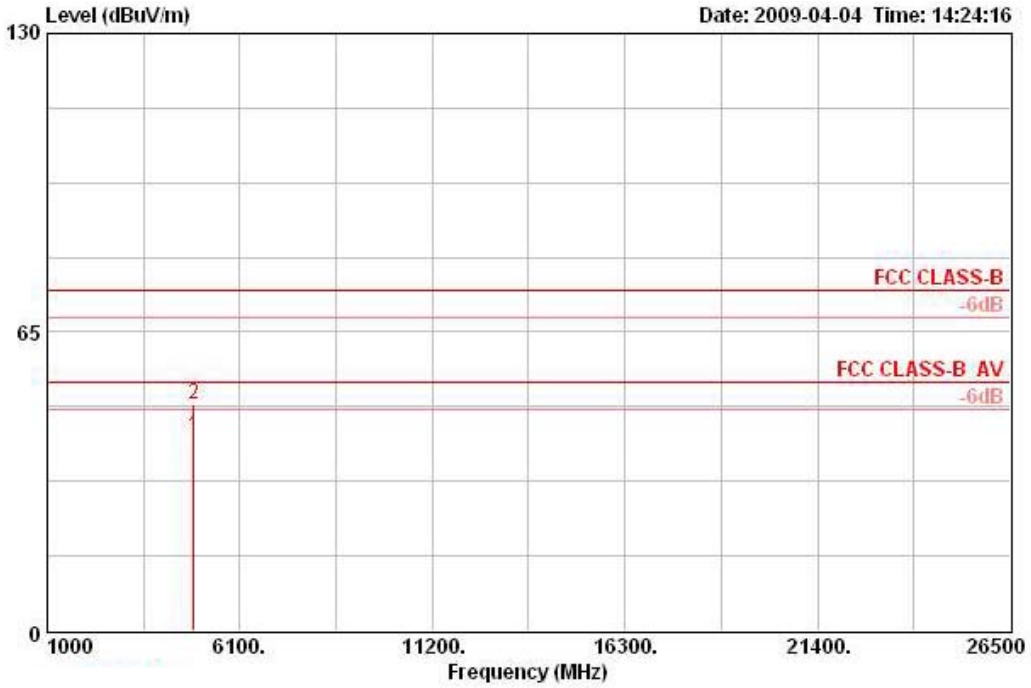
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 6 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	4874.010	38.64	-15.36	54.00	33.79	33.48	35.20	6.56	AVERAGE	HORIZONTAL	121	176
2	4874.192	48.48	-25.52	74.00	43.64	33.48	35.20	6.56	PEAK	HORIZONTAL	121	176

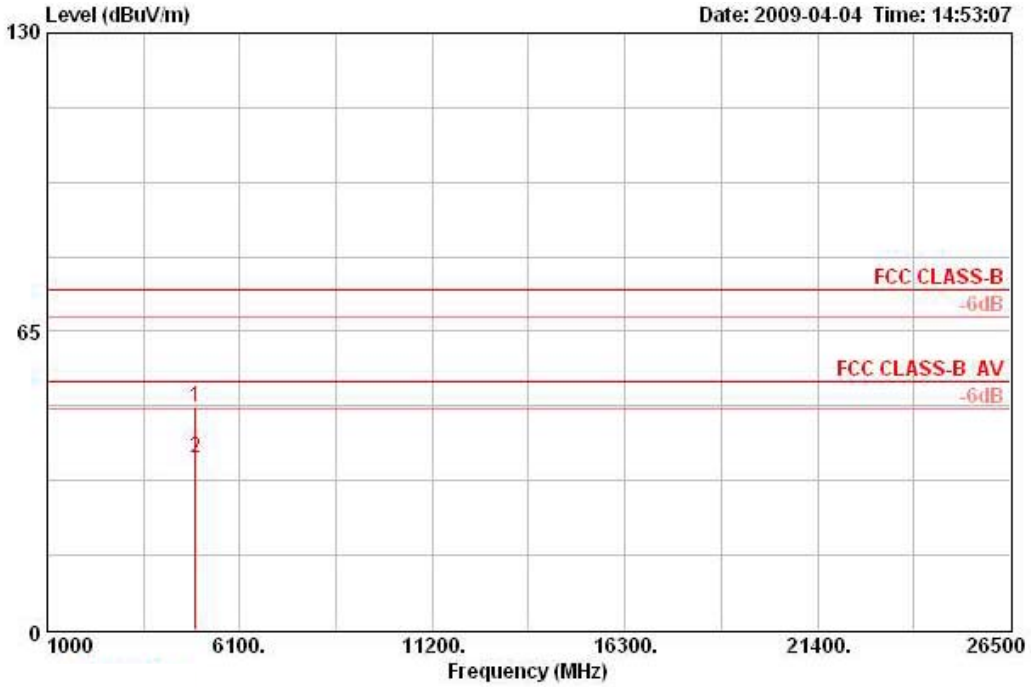
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	4873.990	42.19	-11.81	54.00	37.35	33.48	35.20	6.56	AVERAGE	VERTICAL	46	213
2	4874.088	49.33	-24.67	74.00	44.49	33.48	35.20	6.56	PEAK	VERTICAL	46	213

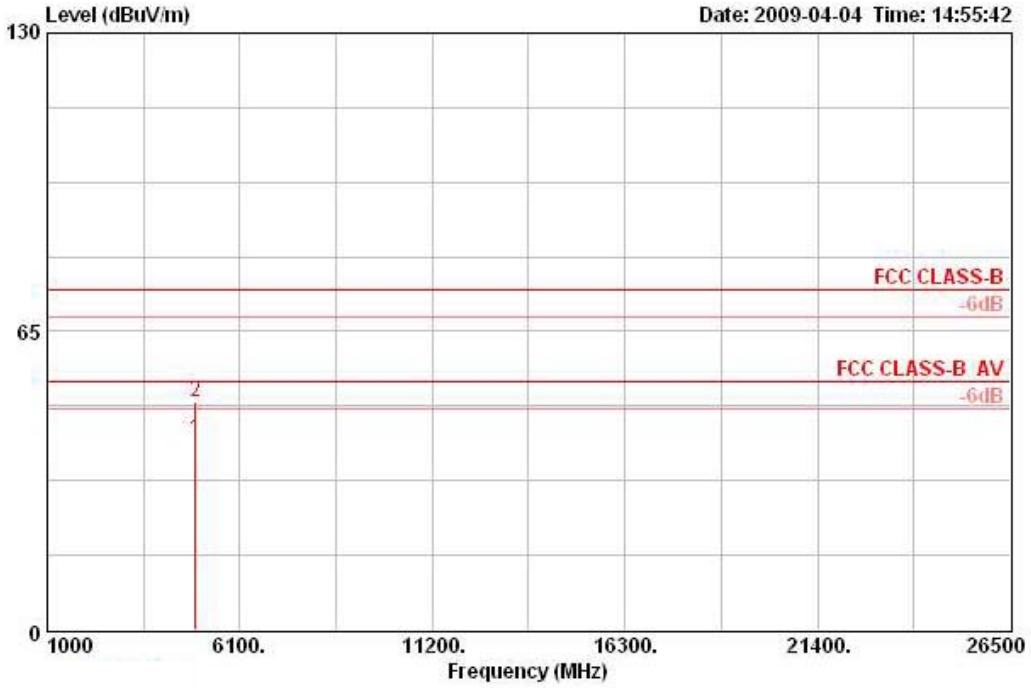
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 11 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4923.714	48.37	-25.63	74.00	43.26	33.58	35.20	6.73	PEAK	HORIZONTAL	178	102
2 @	4924.050	37.23	-16.77	54.00	32.12	33.58	35.20	6.73	AVERAGE	HORIZONTAL	178	102

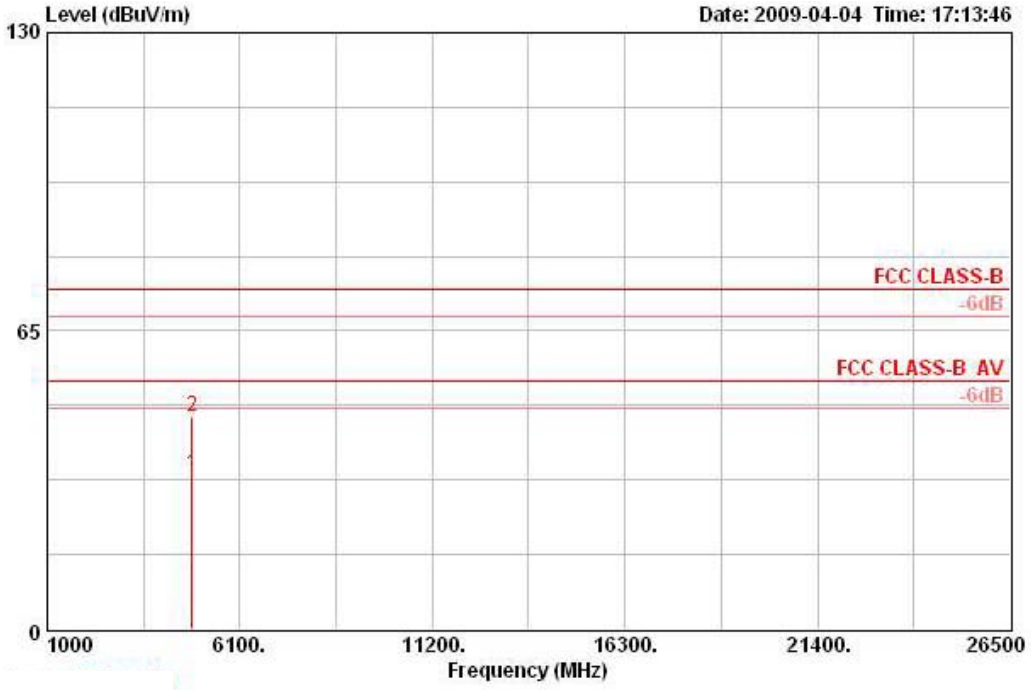
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	4924.030	41.31	-12.69	54.00	36.21	33.58	35.20	6.73	AVERAGE	VERTICAL	42	203
2	4924.076	49.63	-24.37	74.00	44.52	33.58	35.20	6.73	PEAK	VERTICAL	42	203

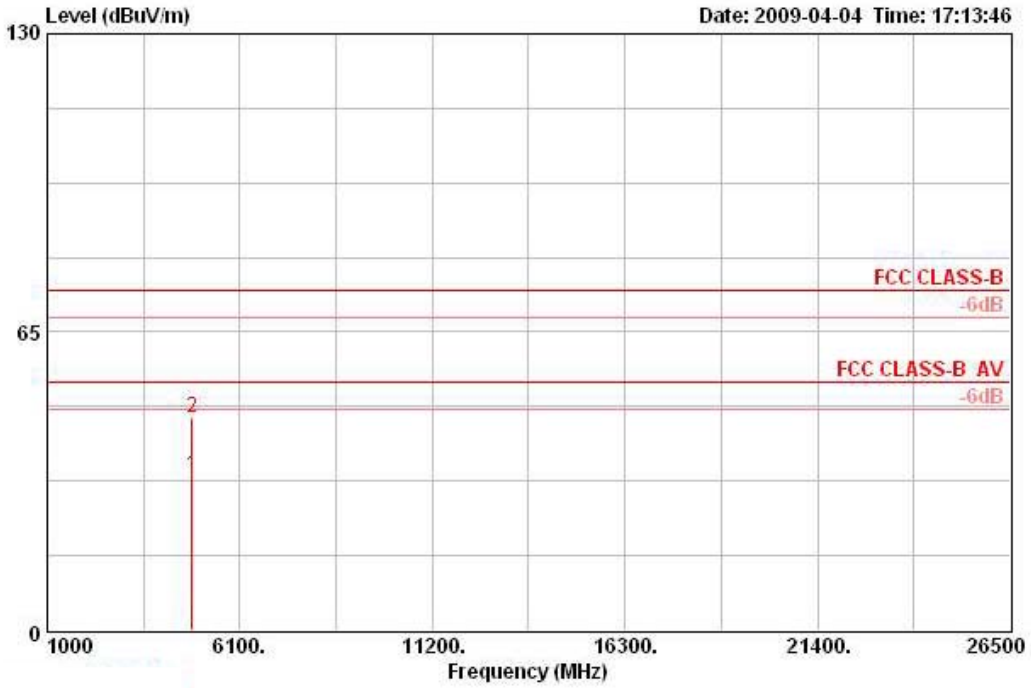
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 1 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4823.976	33.88	-20.12	54.00	29.30	33.39	35.20	6.39	AVERAGE	HORIZONTAL	0	100
2	4824.008	46.35	-27.65	74.00	41.77	33.39	35.20	6.39	PEAK	HORIZONTAL	0	100

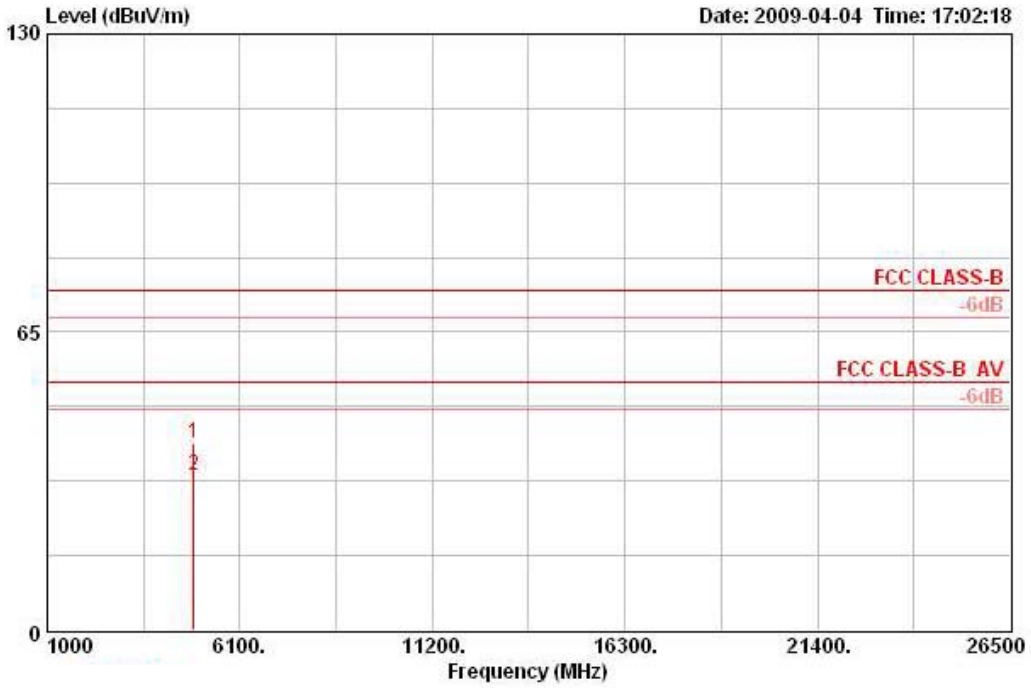
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4823.976	33.88	-20.12	54.00	29.30	33.39	35.20	6.39	AVERAGE	HORIZONTAL	0	100
2	4824.008	46.35	-27.65	74.00	41.77	33.39	35.20	6.39	PEAK	HORIZONTAL	0	100

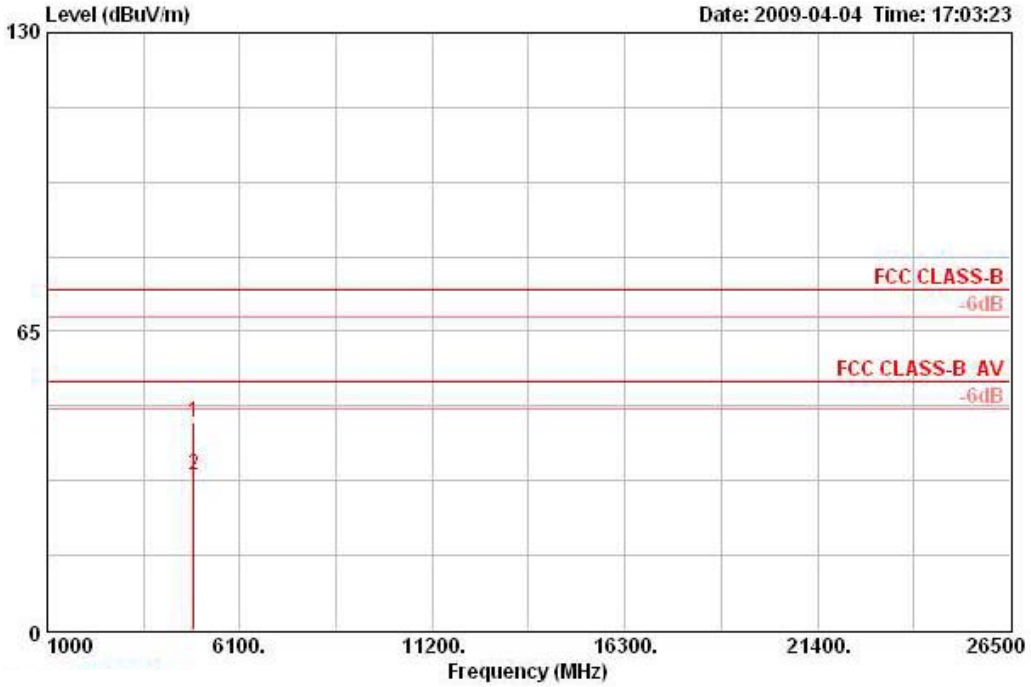
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 6 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4873.976	40.92	-33.08	74.00	36.08	33.48	35.20	6.56	PEAK	HORIZONTAL	360	100
2	4873.996	33.83	-20.17	54.00	28.98	33.48	35.20	6.56	AVERAGE	HORIZONTAL	360	100

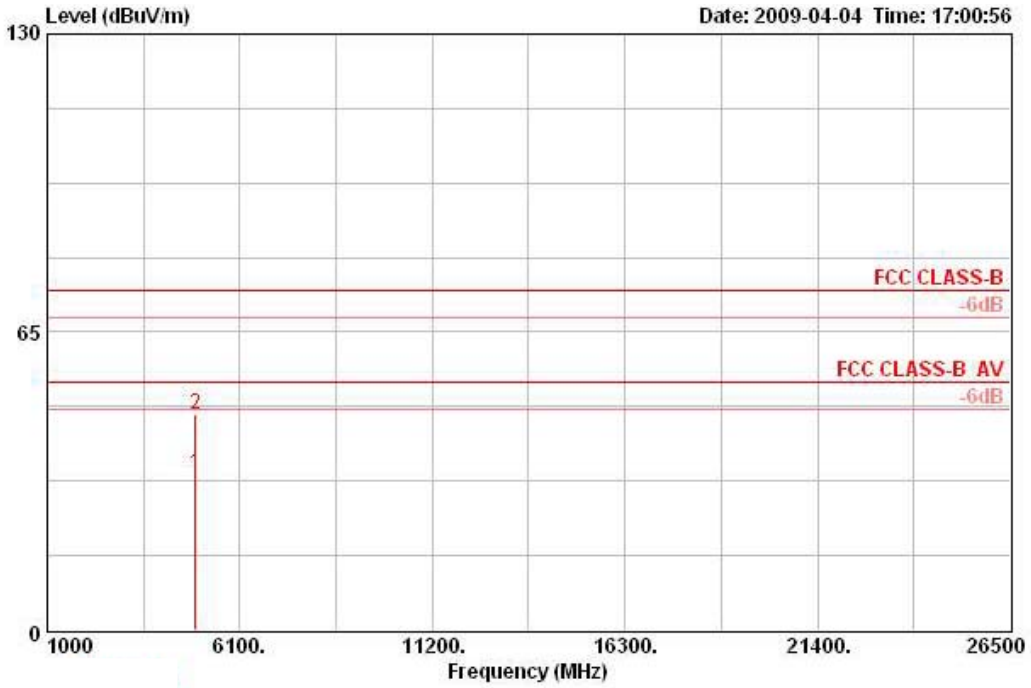
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4873.976	45.32	-28.68	74.00	40.47	33.48	35.20	6.56	PEAK	VERTICAL	0	100
2	4874.006	33.87	-20.13	54.00	29.03	33.48	35.20	6.56	AVERAGE	VERTICAL	0	100

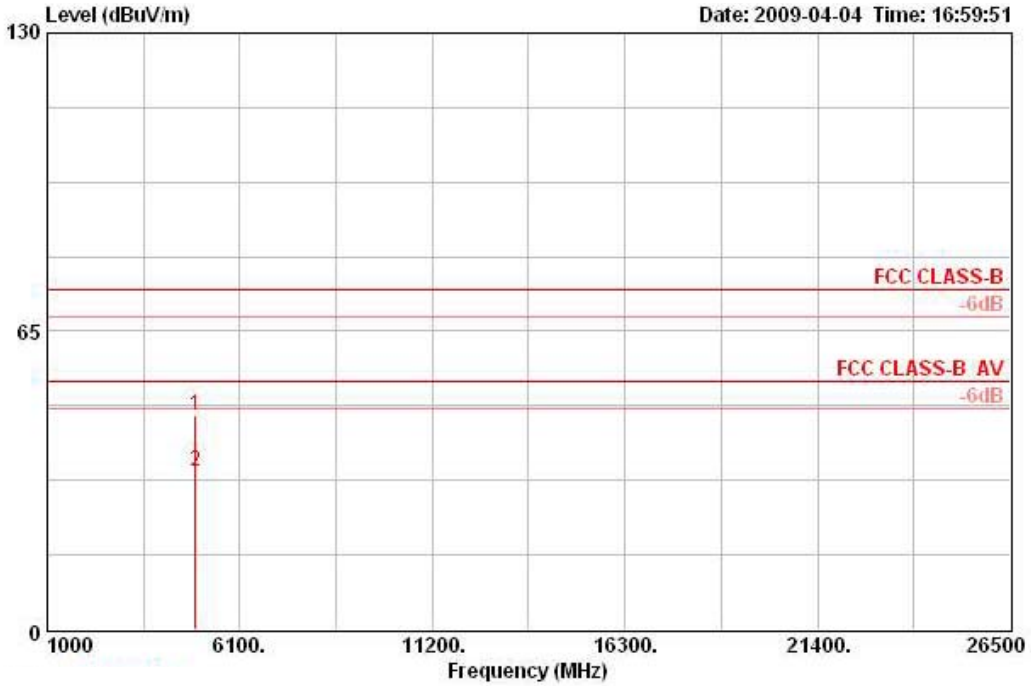
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 11 / Mode 4 with Ant. B-1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4924.013	34.24	-19.76	54.00	29.13	33.58	35.20	6.73	AVERAGE	HORIZONTAL	0	100
2	4924.024	47.00	-27.00	74.00	41.89	33.58	35.20	6.73	PEAK	HORIZONTAL	0	100

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	4923.998	46.52	-27.48	74.00	41.41	33.58	35.20	6.73	PEAK	VERTICAL	360	100
2	4924.015	34.35	-19.65	54.00	29.24	33.58	35.20	6.73	AVERAGE	VERTICAL	360	100

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6. Band Edge Emissions Measurement

4.6.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz /100 KHz for Peak

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the freqeuncy range investigated is limited to 100MHz around bandedges.
2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 1, 6, 11 / Mode 3 with Ant. A-1+Ant. A-2
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2389.800	73.68	-0.32	74.00	42.75	28.05	0.00	2.88	PEAK	VERTICAL	90	100
2 @	2390.000	50.78	-3.22	54.00	19.85	28.05	0.00	2.88	AVERAGE	VERTICAL	90	100
3 @	2410.200	116.28			85.31	28.09	0.00	2.88	PEAK	VERTICAL	90	100
4 @	2411.000	103.31			72.33	28.09	0.00	2.88	AVERAGE	VERTICAL	90	100

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2387.000	59.91	-14.09	74.00	29.00	28.05	0.00	2.86	PEAK	VERTICAL	90	100
2 @	2390.000	47.43	-6.57	54.00	16.50	28.05	0.00	2.88	AVERAGE	VERTICAL	90	8955
3 @	2432.200	103.57			72.54	28.13	0.00	2.90	AVERAGE	VERTICAL	90	100
4 @	2438.800	115.87			84.80	28.18	0.00	2.90	PEAK	VERTICAL	90	100
5 @	2483.500	46.52	-7.48	54.00	15.34	28.26	0.00	2.93	AVERAGE	VERTICAL	90	100
6 @	2486.900	57.88	-16.12	74.00	26.70	28.26	0.00	2.93	PEAK	VERTICAL	90	100

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2456.200	115.97			84.85	28.22	0.00	2.91	PEAK	VERTICAL	91	100
2 @	2456.800	103.68			72.55	28.22	0.00	2.91	AVERAGE	VERTICAL	91	100
3 @	2483.500	53.54	-0.46	54.00	22.36	28.26	0.00	2.93	AVERAGE	VERTICAL	91	100
4 @	2483.500	73.56	-0.44	74.00	42.37	28.26	0.00	2.93	PEAK	VERTICAL	91	100

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 3, 6, 9 / Mode 3 with Ant. A-1+Ant. A-2
Test Date	Apr. 06, 2009		

Channel 3

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2389.600	73.29	-0.71	74.00	42.37	28.05	0.00	2.86	PEAK	VERTICAL	90	100
2 @	2390.000	50.65	-3.35	54.00	19.72	28.05	0.00	2.88	AVERAGE	VERTICAL	90	100
3 @	2410.000	108.62			77.65	28.09	0.00	2.88	PEAK	VERTICAL	90	100
4 @	2412.000	96.88			65.91	28.09	0.00	2.88	AVERAGE	VERTICAL	90	100

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2390.000	73.80	-0.20	74.00	42.87	28.05	0.00	2.88	PEAK	VERTICAL	89	100
2 @	2390.000	49.71	-4.29	54.00	18.77	28.05	0.00	2.88	AVERAGE	VERTICAL	89	100
3 @	2432.600	110.87			79.84	28.13	0.00	2.90	PEAK	VERTICAL	89	100
4 @	2433.800	99.32			68.29	28.13	0.00	2.90	AVERAGE	VERTICAL	89	100
5 @	2483.500	49.99	-4.01	54.00	18.81	28.26	0.00	2.93	AVERAGE	VERTICAL	89	100
6 @	2485.100	72.95	-1.05	74.00	41.76	28.26	0.00	2.93	PEAK	VERTICAL	89	100

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2456.400	95.31			64.19	28.22	0.00	2.91	AVERAGE	VERTICAL	93	100
2 @	2456.800	106.94			75.81	28.22	0.00	2.91	PEAK	VERTICAL	93	100
3 @	2483.500	52.44	-1.56	54.00	21.26	28.26	0.00	2.93	AVERAGE	VERTICAL	93	100
4 @	2483.500	73.89	-0.11	74.00	42.70	28.26	0.00	2.93	PEAK	VERTICAL	93	100

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 1, 6, 11 / Mode 3 with Ant. A-1
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2386.000	62.04	-11.96	74.00	31.12	28.05	0.00	2.86	PEAK	VERTICAL	154	100
2 @	2386.200	53.11	-0.89	54.00	22.19	28.05	0.00	2.86	AVERAGE	VERTICAL	154	100
3 @	2412.800	109.30			78.33	28.09	0.00	2.88	AVERAGE	VERTICAL	154	100
4 @	2413.000	113.29			82.32	28.09	0.00	2.88	PEAK	VERTICAL	154	100

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2388.600	58.17	-15.83	74.00	27.26	28.05	0.00	2.86	PEAK	VERTICAL	91	100
2 @	2390.000	46.54	-7.46	54.00	15.61	28.05	0.00	2.88	AVERAGE	VERTICAL	91	100
3 @	2436.200	110.04			79.01	28.13	0.00	2.90	AVERAGE	VERTICAL	91	100
4 @	2438.400	113.99			82.91	28.18	0.00	2.90	PEAK	VERTICAL	91	100
5 @	2483.500	46.45	-7.55	54.00	15.27	28.26	0.00	2.93	AVERAGE	VERTICAL	91	100
6 @	2485.700	58.19	-15.81	74.00	27.00	28.26	0.00	2.93	PEAK	VERTICAL	91	100

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2459.400	108.96			77.83	28.22	0.00	2.91	AVERAGE	VERTICAL	153	100
2 @	2461.000	112.54			81.42	28.22	0.00	2.91	PEAK	VERTICAL	153	100
3 @	2487.300	53.94	-0.06	54.00	22.76	28.26	0.00	2.93	AVERAGE	VERTICAL	153	100
4 @	2487.500	61.87	-12.13	74.00	30.65	28.30	0.00	2.93	PEAK	VERTICAL	153	100

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 1, 6, 11 / Mode 3 with Ant. A-1
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2390.000	50.61	-3.39	54.00	19.68	28.05	0.00	2.88	AVERAGE	VERTICAL	105	100
2 @	2390.000	67.96	-6.04	74.00	37.03	28.05	0.00	2.88	PEAK	VERTICAL	105	100
3 @	2419.000	101.42			70.44	28.09	0.00	2.90	AVERAGE	VERTICAL	105	100
4 @	2419.400	111.05			80.06	28.09	0.00	2.90	PEAK	VERTICAL	105	100

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2387.200	57.27	-16.73	74.00	26.36	28.05	0.00	2.86	PEAK	VERTICAL	153	100
2 @	2390.000	46.12	-7.88	54.00	15.19	28.05	0.00	2.88	AVERAGE	VERTICAL	153	100
3 @	2432.400	115.33			84.30	28.13	0.00	2.90	PEAK	VERTICAL	153	100
4 @	2434.200	103.67			72.64	28.13	0.00	2.90	AVERAGE	VERTICAL	153	100
5 @	2483.500	57.31	-16.69	74.00	26.12	28.26	0.00	2.93	PEAK	VERTICAL	153	100
6 @	2483.500	46.22	-7.78	54.00	15.04	28.26	0.00	2.93	AVERAGE	VERTICAL	153	100

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2459.200	101.99			70.86	28.22	0.00	2.91	AVERAGE	VERTICAL	153	100
2 @	2467.200	111.63			80.49	28.22	0.00	2.93	PEAK	VERTICAL	153	100
3 @	2483.500	53.25	-0.75	54.00	22.07	28.26	0.00	2.93	AVERAGE	VERTICAL	153	100
4 @	2484.100	69.80	-4.20	74.00	38.61	28.26	0.00	2.93	PEAK	VERTICAL	153	100

Item 1, 2 are the fundamental frequency at 2462 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 1, 6, 11 / Mode 4 with Ant. B-1 + Ant. B-2
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2390.000	69.18	-4.82	74.00	38.25	28.05	0.00	2.88	PEAK	VERTICAL	306	124
2 @	2390.000	51.60	-2.40	54.00	20.67	28.05	0.00	2.88	AVERAGE	VERTICAL	306	124
3 @	2416.000	108.38			77.39	28.09	0.00	2.90	PEAK	VERTICAL	306	124
4 @	2417.000	98.59			67.60	28.09	0.00	2.90	AVERAGE	VERTICAL	306	124

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	2387.400	54.31	-19.69	74.00	23.39	28.05	0.00	2.86	PEAK	VERTICAL	180	107
2 @	2390.000	43.79	-10.21	54.00	12.86	28.05	0.00	2.88	AVERAGE	VERTICAL	180	107
3 @	2431.800	98.95			67.93	28.13	0.00	2.90	AVERAGE	VERTICAL	180	107
4 @	2432.800	109.65			78.62	28.13	0.00	2.90	PEAK	VERTICAL	180	107
5 @	2483.500	43.99	-10.01	54.00	12.81	28.26	0.00	2.93	AVERAGE	VERTICAL	180	107
6	2485.100	55.45	-18.55	74.00	24.27	28.26	0.00	2.93	PEAK	VERTICAL	180	107

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2460.400	97.55			66.43	28.22	0.00	2.91	AVERAGE	VERTICAL	179	101
2 @	2464.800	107.40			76.27	28.22	0.00	2.91	PEAK	VERTICAL	179	101
3 @	2483.500	50.97	-3.03	54.00	19.78	28.26	0.00	2.93	AVERAGE	VERTICAL	179	101
4 @	2483.900	68.74	-5.26	74.00	37.55	28.26	0.00	2.93	PEAK	VERTICAL	179	101

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 3, 6, 9 / Mode 4 with Ant. B-1 + Ant. B-2
Test Date	Apr. 06, 2009		

Channel 3

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2389.600	73.61	-0.39	74.00	42.70	28.05	0.00	2.86	PEAK	VERTICAL	181	135
2 @	2390.000	53.83	-0.17	54.00	22.90	28.05	0.00	2.88	AVERAGE	VERTICAL	181	135
3 @	2430.000	105.25			74.22	28.13	0.00	2.90	PEAK	VERTICAL	181	135
4 @	2431.200	94.33			63.30	28.13	0.00	2.90	AVERAGE	VERTICAL	181	135

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2385.200	65.65	-8.35	74.00	34.78	28.01	0.00	2.86	PEAK	VERTICAL	179	105
2 @	2390.000	49.40	-4.60	54.00	18.47	28.05	0.00	2.88	AVERAGE	VERTICAL	179	105
3 @	2422.600	95.99			64.96	28.13	0.00	2.90	AVERAGE	VERTICAL	179	105
4 @	2431.400	106.56			75.53	28.13	0.00	2.90	PEAK	VERTICAL	179	105
5 @	2483.500	51.11	-2.89	54.00	19.93	28.26	0.00	2.93	AVERAGE	VERTICAL	179	105
6 @	2487.100	69.15	-4.85	74.00	37.97	28.26	0.00	2.93	PEAK	VERTICAL	179	105

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2440.000	103.49			72.42	28.18	0.00	2.90	PEAK	VERTICAL	181	101
2 @	2455.200	92.43			61.31	28.22	0.00	2.91	AVERAGE	VERTICAL	181	101
3 @	2483.500	53.89	-0.11	54.00	22.70	28.26	0.00	2.93	AVERAGE	VERTICAL	181	101
4 @	2485.100	72.83	-1.17	74.00	41.64	28.26	0.00	2.93	PEAK	VERTICAL	181	101

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 1, 6, 11 / Mode 4 with Ant. B-1
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	2384.600	56.06	-17.94	74.00	25.18	28.01	0.00	2.86	PEAK	VERTICAL	306	122
2 @	2385.400	45.82	-8.18	54.00	14.95	28.01	0.00	2.86	AVERAGE	VERTICAL	306	122
3 @	2410.600	105.93			74.95	28.09	0.00	2.88	PEAK	VERTICAL	306	122
4 @	2411.200	101.82			70.84	28.09	0.00	2.88	AVERAGE	VERTICAL	306	122

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1	2388.800	54.22	-19.78	74.00	23.30	28.05	0.00	2.86	PEAK	HORIZONTAL	179	100
2 @	2390.000	43.48	-10.52	54.00	12.54	28.05	0.00	2.88	AVERAGE	HORIZONTAL	179	100
3 @	2436.000	97.07			66.04	28.13	0.00	2.90	PEAK	HORIZONTAL	179	100
4 @	2436.200	93.30			62.27	28.13	0.00	2.90	AVERAGE	HORIZONTAL	179	100
5 @	2483.500	43.70	-10.30	54.00	12.51	28.26	0.00	2.93	AVERAGE	HORIZONTAL	179	100
6	2484.300	54.76	-19.24	74.00	23.57	28.26	0.00	2.93	PEAK	HORIZONTAL	179	100

Item 3, 4 are the fundamental frequency at 2437MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2463.200	103.65			72.53	28.22	0.00	2.91	PEAK	VERTICAL	179	101
2 @	2464.800	99.93			68.81	28.22	0.00	2.91	AVERAGE	VERTICAL	179	101
3 @	2487.300	50.20	-3.80	54.00	19.01	28.26	0.00	2.93	AVERAGE	VERTICAL	179	101
4 @	2487.900	59.17	-14.83	74.00	27.95	28.30	0.00	2.93	PEAK	VERTICAL	179	101

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 1, 6, 11 / Mode 4 with Ant. B-1
Test Date	Apr. 06, 2009		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2389.800	61.47	-12.53	74.00	30.53	28.05	0.00	2.88	PEAK	VERTICAL	306	123
2 @	2390.000	47.11	-6.89	54.00	16.18	28.05	0.00	2.88	AVERAGE	VERTICAL	306	123
3 @	2407.000	104.57			73.60	28.09	0.00	2.88	PEAK	VERTICAL	306	123
4 @	2410.200	93.89			62.91	28.09	0.00	2.88	AVERAGE	VERTICAL	306	123

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2390.000	43.48	-10.52	54.00	12.55	28.05	0.00	2.88	AVERAGE	VERTICAL	165	103
2	2390.000	54.02	-19.98	74.00	23.09	28.05	0.00	2.88	PEAK	VERTICAL	165	103
3 @	2435.200	102.56			71.53	28.13	0.00	2.90	PEAK	VERTICAL	165	103
4 @	2436.000	93.18			62.15	28.13	0.00	2.90	AVERAGE	VERTICAL	165	103
5 @	2483.500	43.87	-10.13	54.00	12.69	28.26	0.00	2.93	AVERAGE	VERTICAL	165	103
6	2485.300	55.08	-18.92	74.00	23.90	28.26	0.00	2.93	PEAK	VERTICAL	165	103

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Pol/Phase	Table Pos	Ant Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	cm
1 @	2463.600	92.82			61.69	28.22	0.00	2.91	AVERAGE	VERTICAL	179	100
2 @	2465.000	102.74			71.61	28.22	0.00	2.91	PEAK	VERTICAL	179	100
3 @	2483.500	47.99	-6.01	54.00	16.81	28.26	0.00	2.93	AVERAGE	VERTICAL	179	100
4 @	2483.700	64.71	-9.29	74.00	33.53	28.26	0.00	2.93	PEAK	VERTICAL	179	100

Item 1, 2 are the fundamental frequency at 2462 MHz.

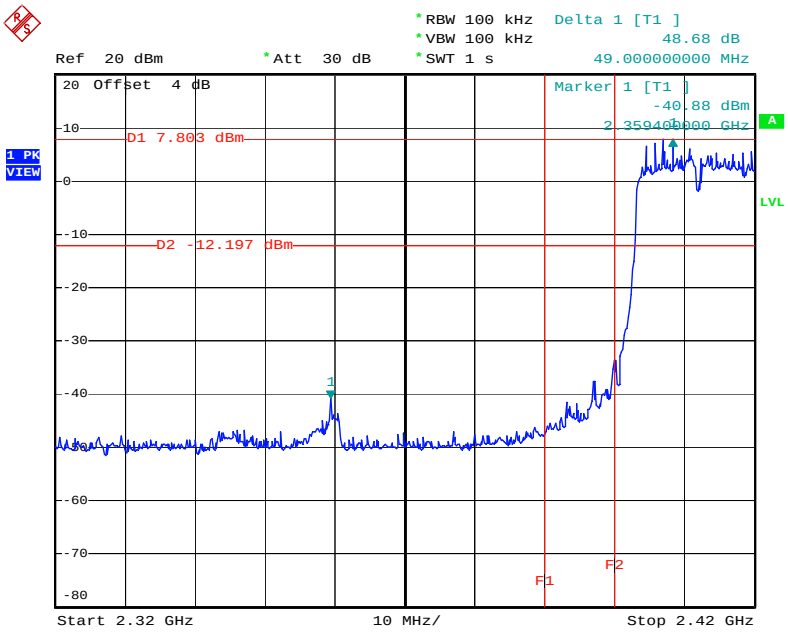
Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

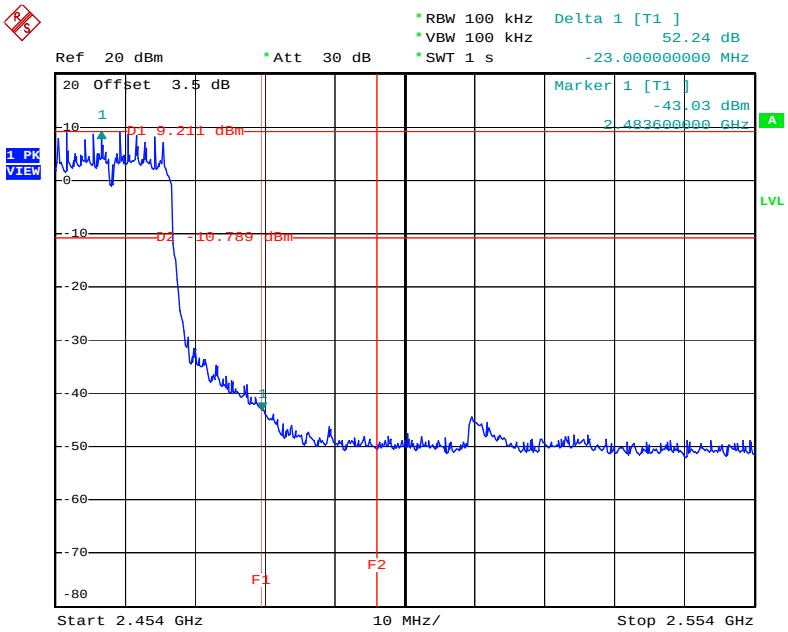
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. A-1 + Ant. A-2 / 2412 MHz



Date: 7.APR.2009 01:22:11

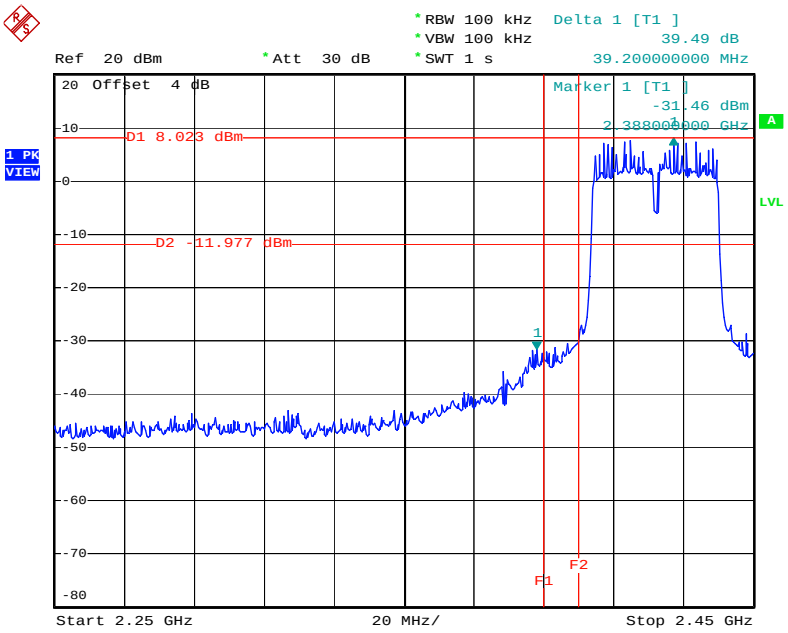
High Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. A-1 + Ant. A-2 / 2462 MHz



Date: 7.APR.2009 01:01:31

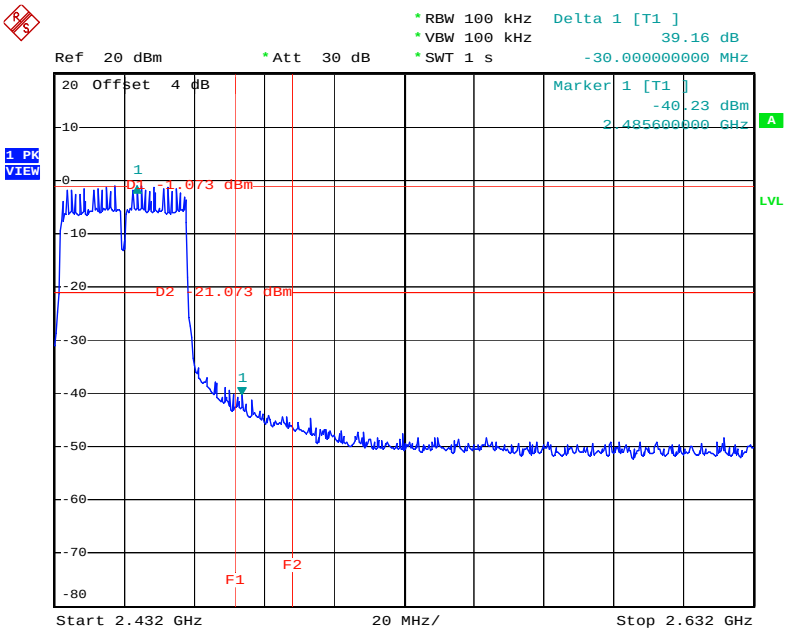
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. A-1 + Ant. A-2 / 2422 MHz



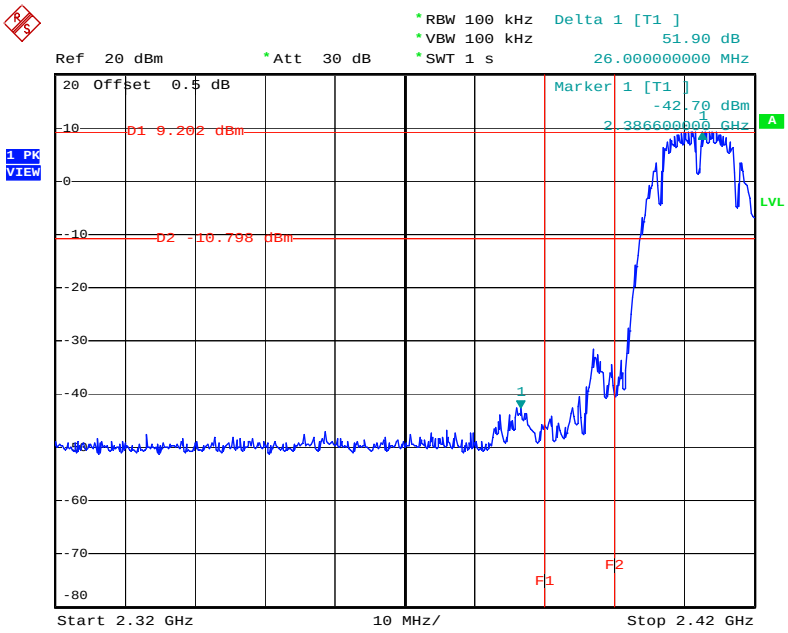
Date: 7.APR.2009 01:32:50

High Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. A-1 + Ant. A-2 / 2452 MHz



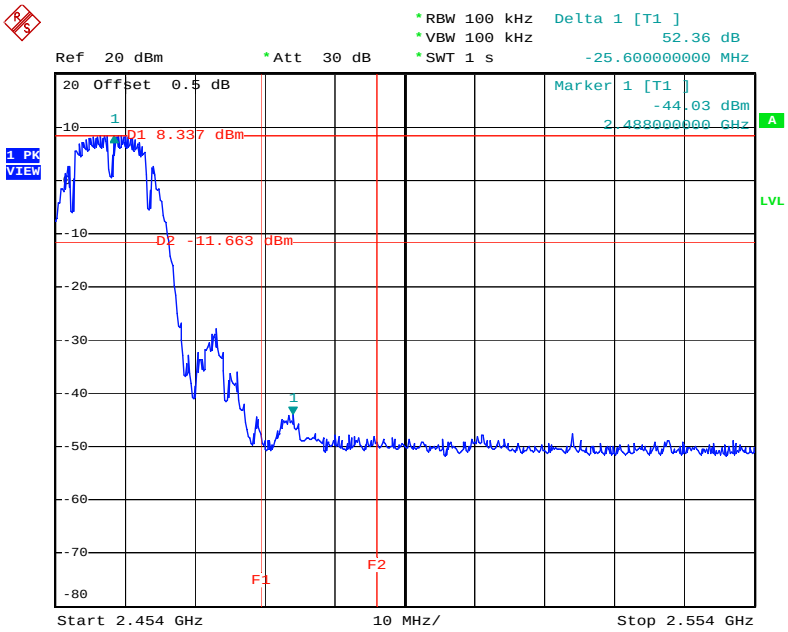
Date: 7.APR.2009 10:24:43

Low Band Edge Plot on Configuration IEEE 802.11b Ant. A-1 / 2412 MHz



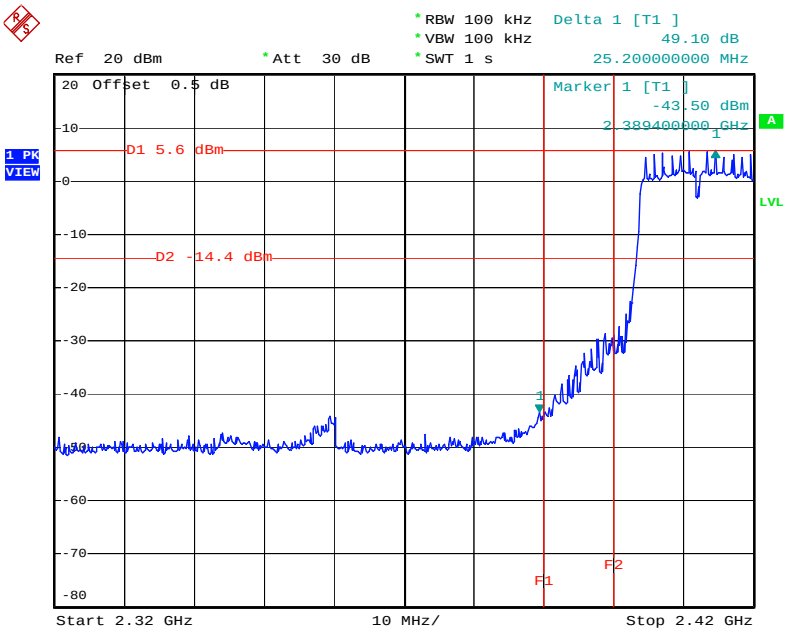
Date: 7.APR.2009 09:25:35

High Band Edge Plot on Configuration IEEE 802.11b Ant. A-1 / 2462 MHz



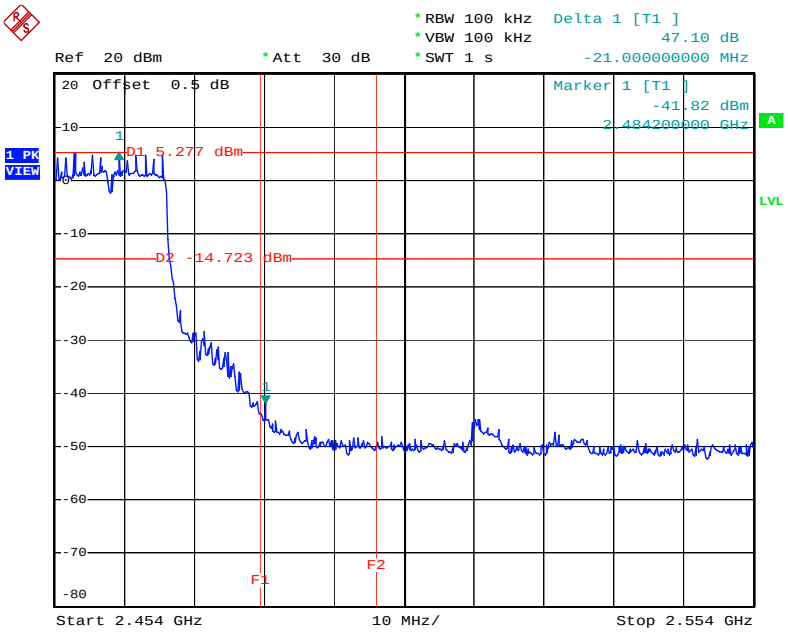
Date: 6.APR.2009 23:42:33

Low Band Edge Plot on Configuration IEEE 802.11g Ant. A-1 / 2412 MHz



Date: 7.APR.2009 09:44:08

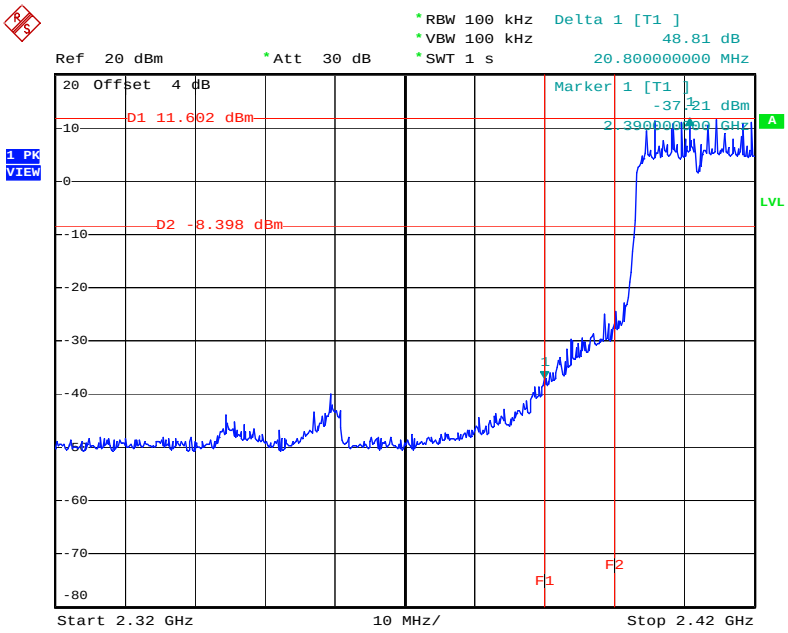
High Band Edge Plot on Configuration IEEE 802.11g Ant. A-1 / 2462 MHz



Date: 7.APR.2009 09:51:13

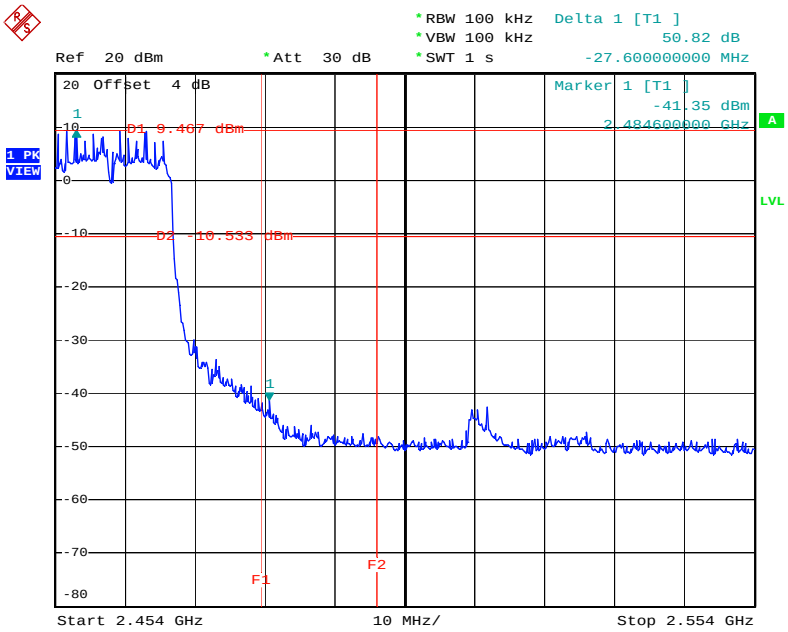
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. B-1 + Ant. B-2 / 2412 MHz



Date: 7.APR.2009 01:10:22

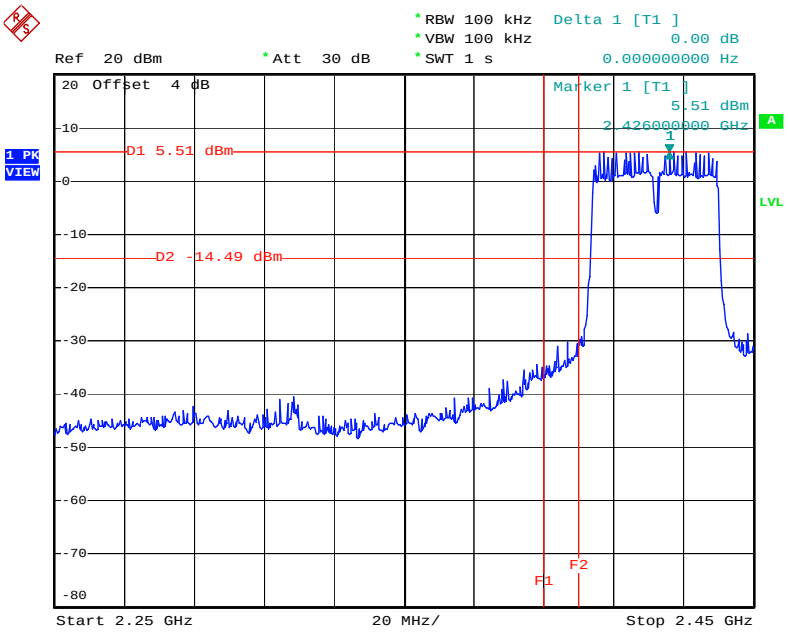
High Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. B-1 + Ant. B-2 / 2462 MHz



Date: 7.APR.2009 01:17:25

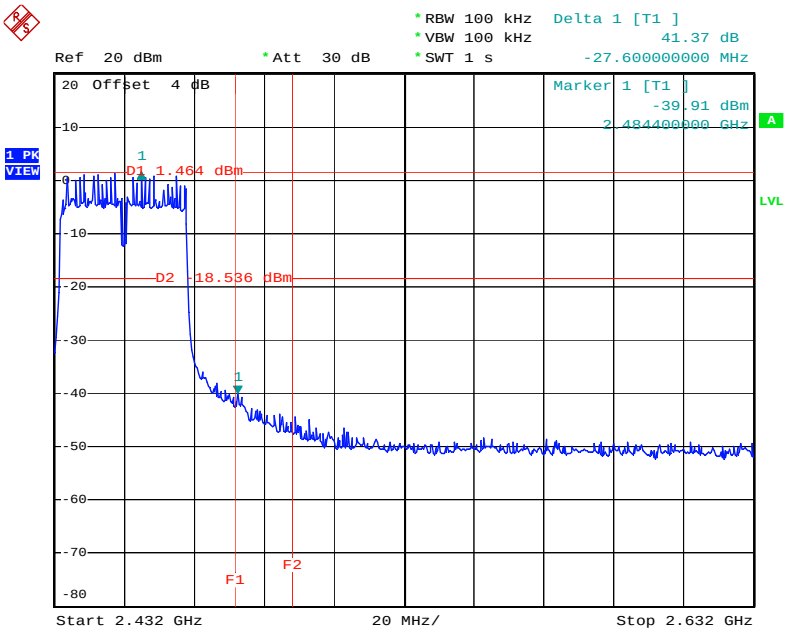
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. B-1 + Ant. B-2 / 2422 MHz



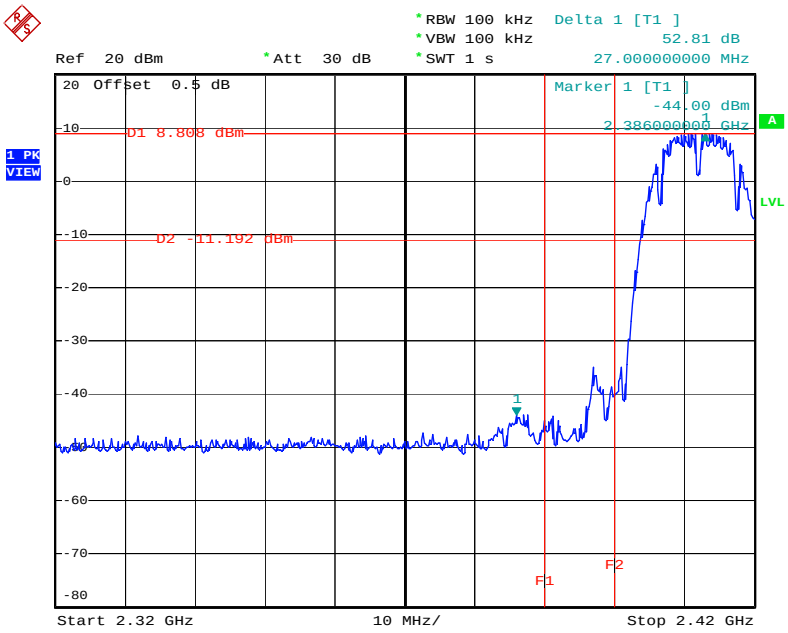
Date: 7.APR.2009 10:13:45

High Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. B-1 + Ant. B-2 / 2452 MHz



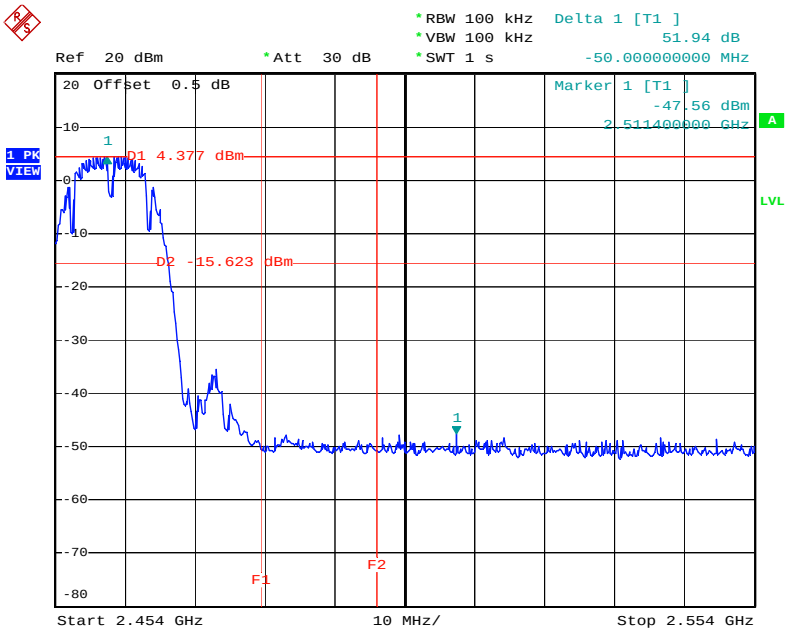
Date: 7.APR.2009 01:38:42

Low Band Edge Plot on Configuration IEEE 802.11b Ant. B-1 / 2412 MHz



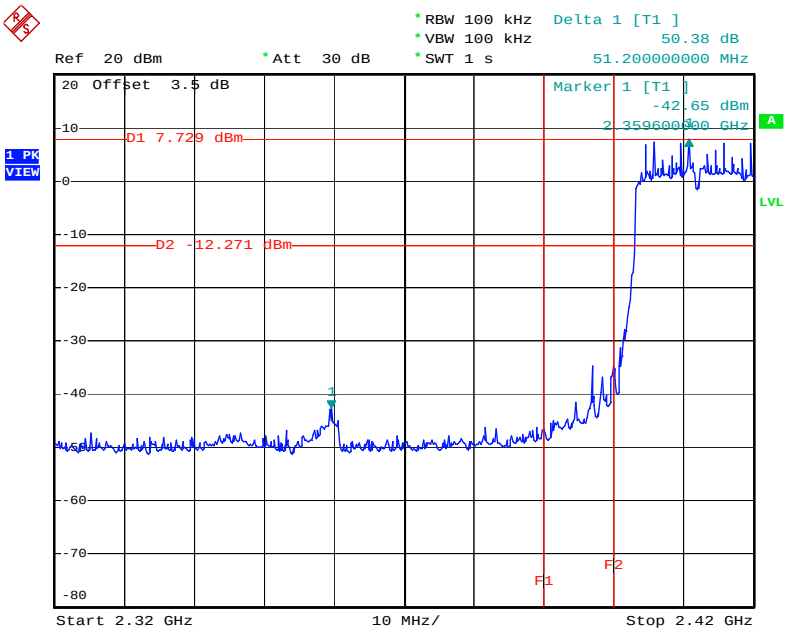
Date: 7.APR.2009 09:23:06

High Band Edge Plot on Configuration IEEE 802.11b Ant. B-1 / 2462 MHz



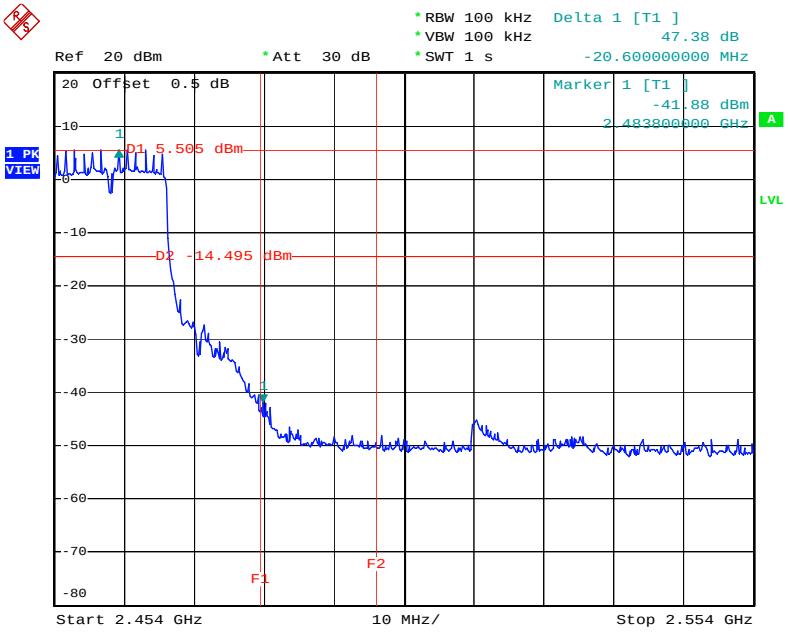
Date: 7.APR.2009 00:13:20

Low Band Edge Plot on Configuration IEEE 802.11g Ant. B-1 / 2412 MHz



Date: 7.APR.2009 00:56:22

High Band Edge Plot on Configuration IEEE 802.11g Ant. B-1 / 2462 MHz



Date: 7.APR.2009 00:22:43

4.7. Antenna Requirements

4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.7.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Mar. 03, 2009	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz –30MHz	Mar. 27, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2008	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 23, 2009	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2008*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 30 GHz	Oct. 06, 2008	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	Jul. 28, 2008*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 12, 2008	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2008	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2009	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan. 16, 2009	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Jan. 05, 2009	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Jan. 05, 2009	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Jan. 09, 2009	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100458	DC ~ 30GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jul. 11, 2008	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	May. 30, 2009*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 13, 2009	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-S	MAB0103-001	N/A	Jul. 18, 2008	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2008	Conducted (TH01-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2008	Conducted (TH01-HY)
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	Dec. 14, 2008	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 10, 2009	Conducted (TH01-HY)
Oscilloscope	Tektonix	TDS380	B016197	400MHz/ 2GS/s	Jun. 27, 2008	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Note: *Calibration Interval of instruments listed above is two year.

6. TEST LOCATION

SHIJR	ADD	:	6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
	TEL	:	886-2-2696-2468
	FAX	:	886-2-2696-2255
HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
	TEL	:	886-3-327-3456
	FAX	:	886-3-318-0055
LINKOU	ADD	:	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
	TEL	:	886-2-2601-1640
	FAX	:	886-2-2601-1695
DUNGHU	ADD	:	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
	TEL	:	886-2-2631-4739
	FAX	:	886-2-2631-9740
JUNGHE	ADD	:	7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL	:	886-2-8227-2020
	FAX	:	886-2-8227-2626
NEIHU	ADD	:	4Fl., No. 339, Hsin Hu 2nd Rd., Taipei 114, Taiwan, R.O.C.
	TEL	:	886-2-2794-8886
	FAX	:	886-2-2794-9777
JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
	TEL	:	886-3-656-9065
	FAX	:	886-3-656-9085

7. TAF CERTIFICATE OF ACCREDITATION

TAF

Certificate No. : L1190-081212

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.
EMC & Wireless Communications Laboratory
No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	:	ISO/IEC 17025:2005
Accreditation Number	:	1190
Originally Accredited	:	December 15, 2003
Effective Period	:	January 10, 2007 to January 09, 2010
Accredited Scope	:	Testing Field, see described in the Appendix
Specific Accreditation Program	:	Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangment with Foreign Authorities

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : December 12, 2008

P1, total 18 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix