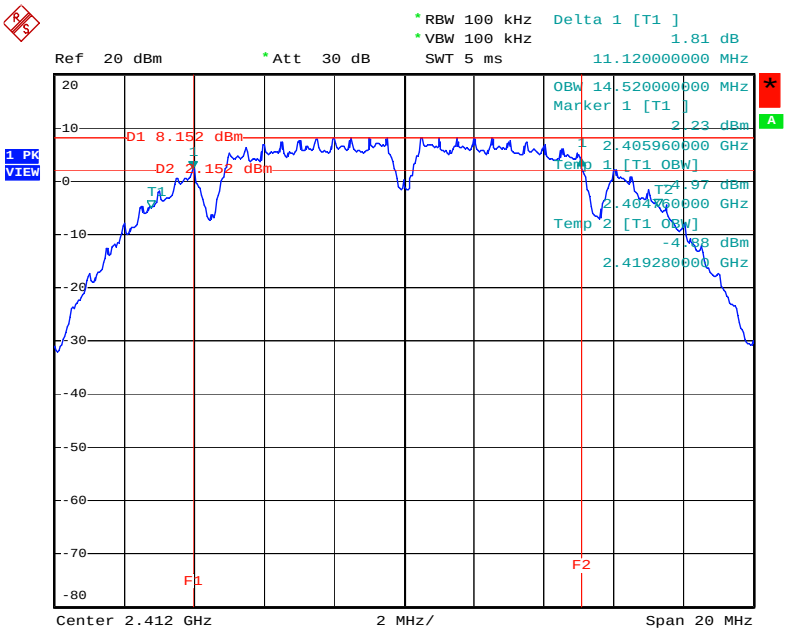
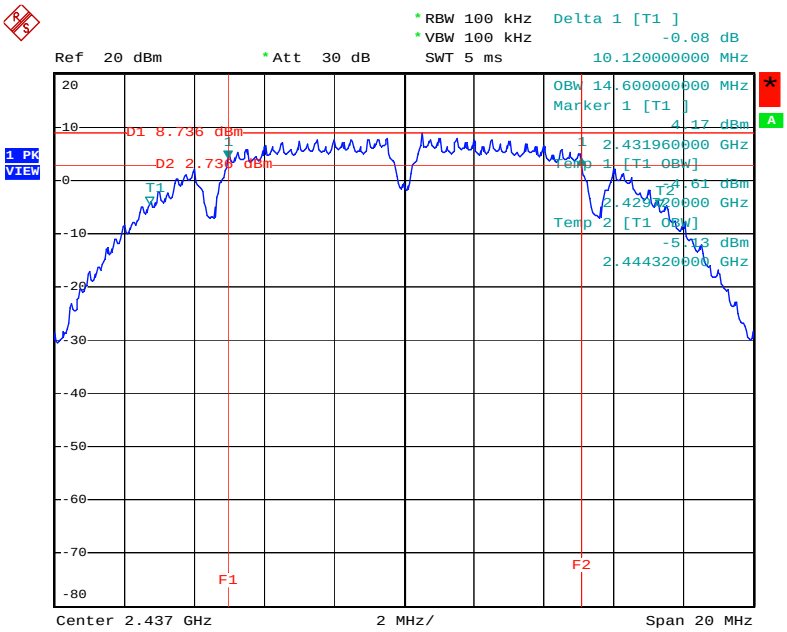
6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. A-1 / 2412 MHz



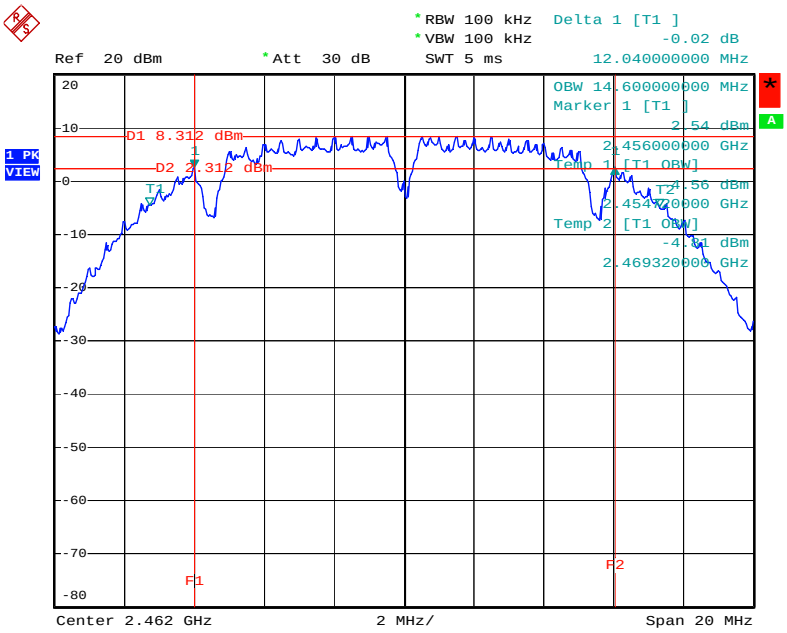
Date: 7.APR.2009 09:24:00

6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. A-1 / 2437 MHz



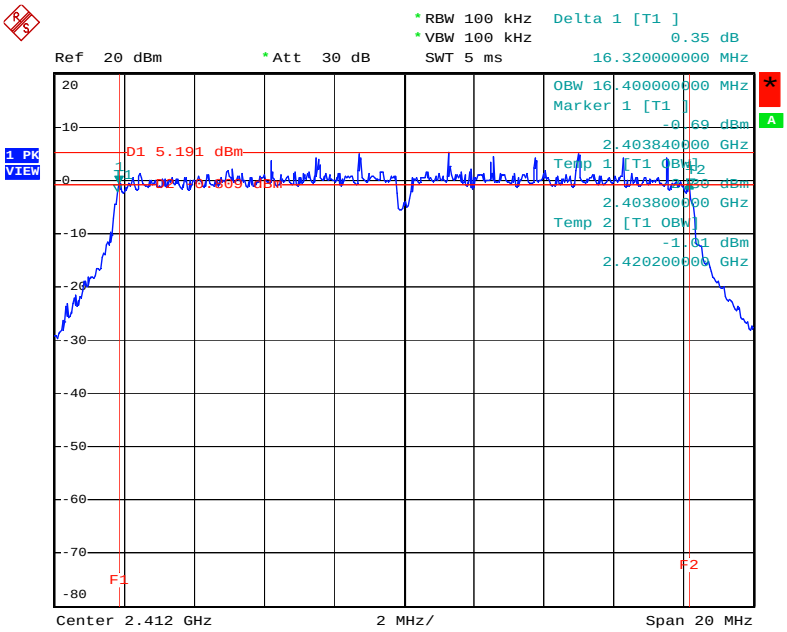
Date: 6.APR.2009 23:53:45

6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. A-1 / 2462 MHz



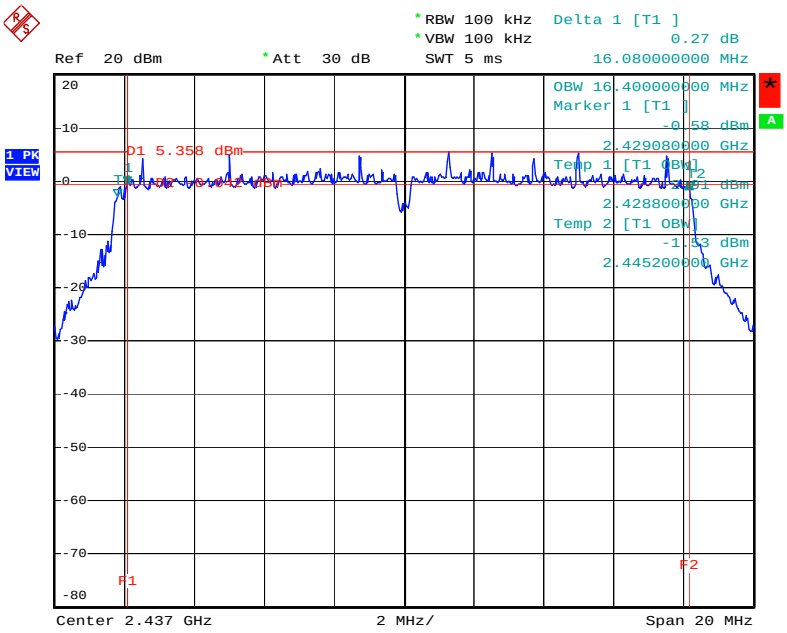
Date: 6.APR.2009 23:40:58

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. A-1 / 2412 MHz



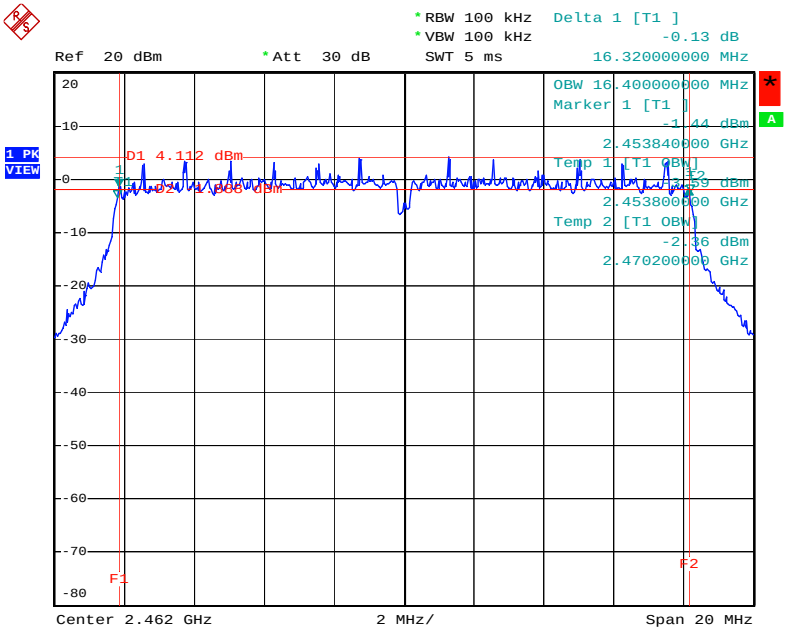
Date: 7.APR.2009 09:42:32

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. A-1 / 2437 MHz



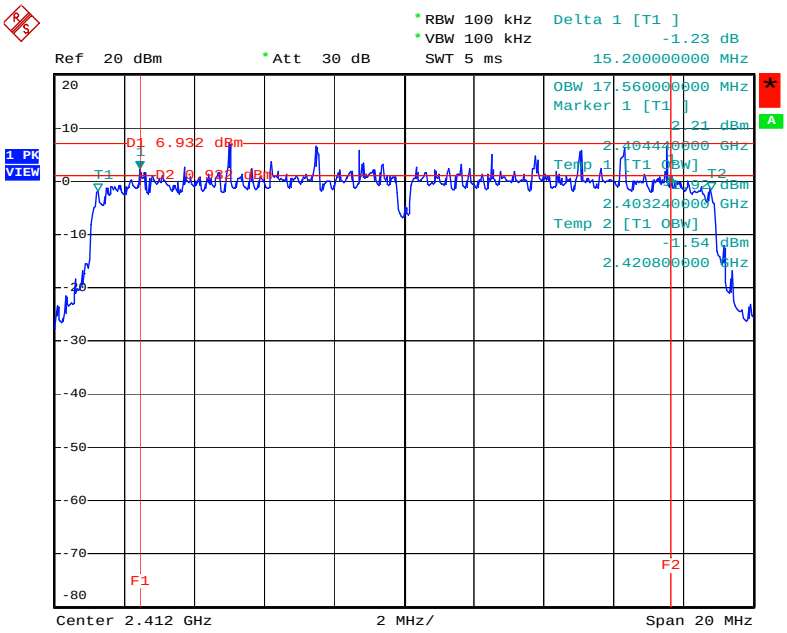
Date: 7.APR.2009 09:47:13

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. A-1 / 2462 MHz



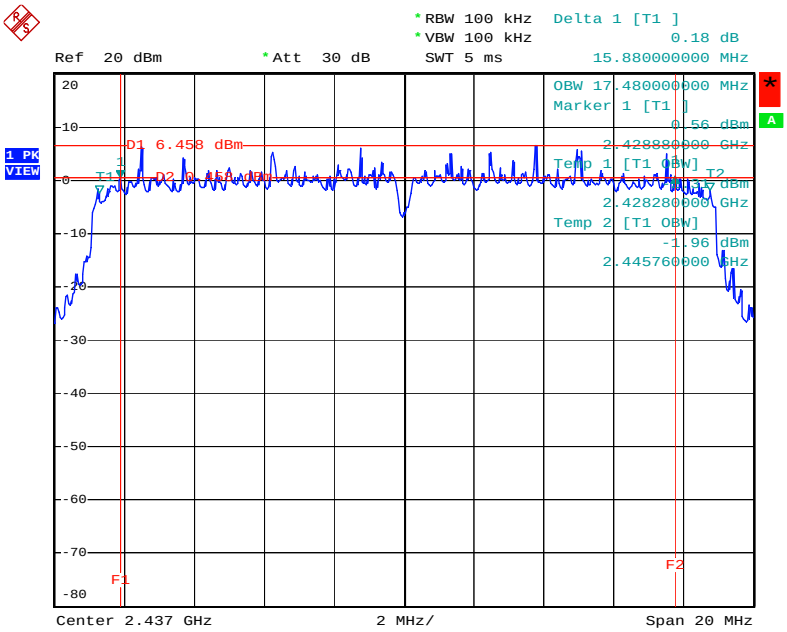
Date: 7.APR.2009 09:49:38

6 dB Bandwidth Plot on Configuration Draft n MCS0 20MHz Ant. B-1 + Ant. B-2 / 2412 MHz



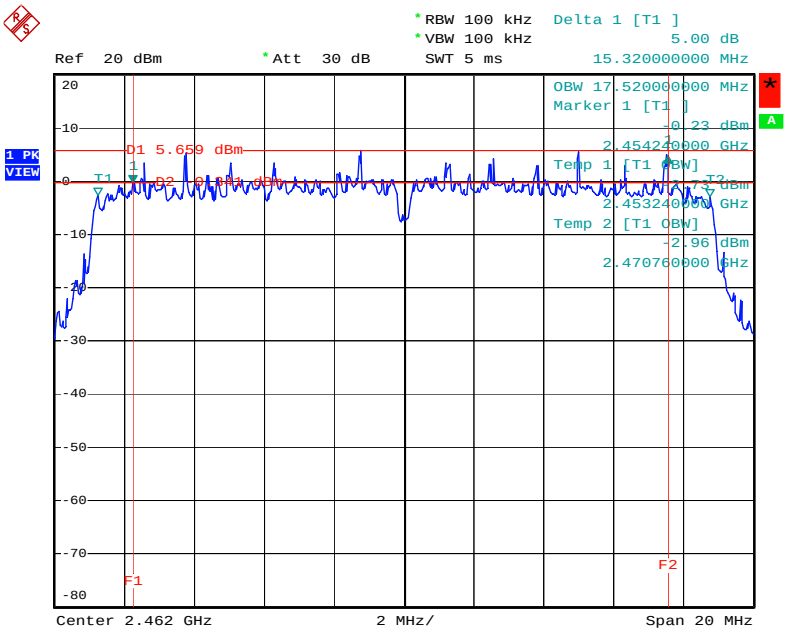
Date: 7.APR.2009 01:08:47

6 dB Bandwidth Plot on Configuration Draft n MCS0 20MHz Ant. B-1 + Ant. B-2 / 2437 MHz

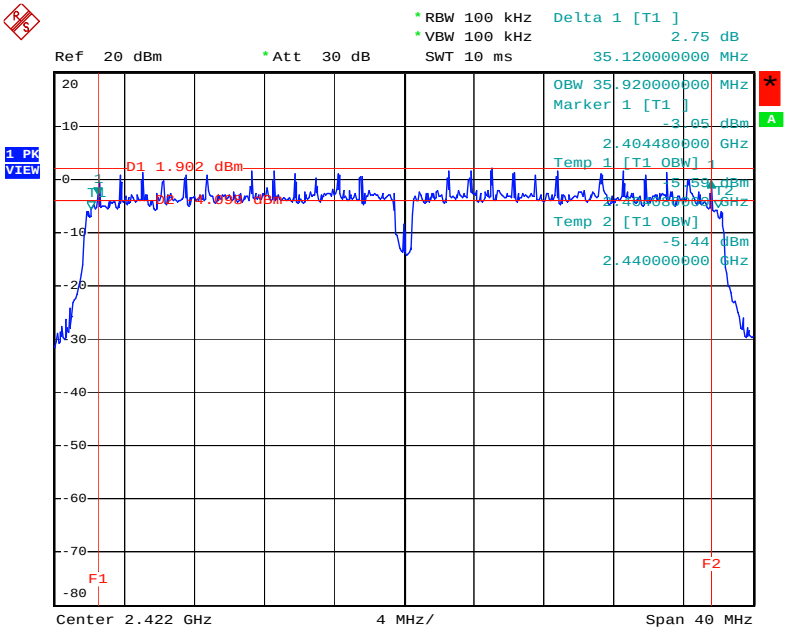


Date: 7.APR.2009 01:10:53

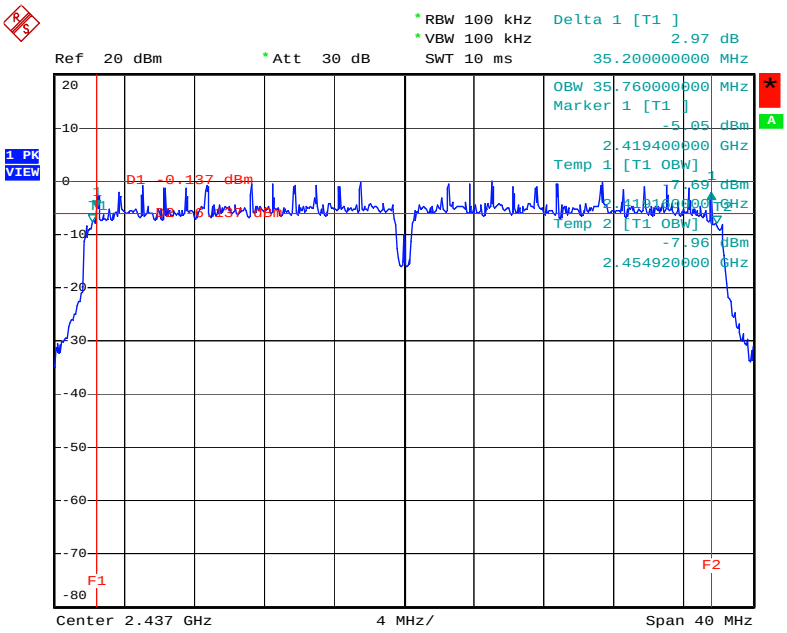
6 dB Bandwidth Plot on Configuration Draft n MCS0 20MHz Ant. B-1 + Ant. B-2 / 2462 MHz



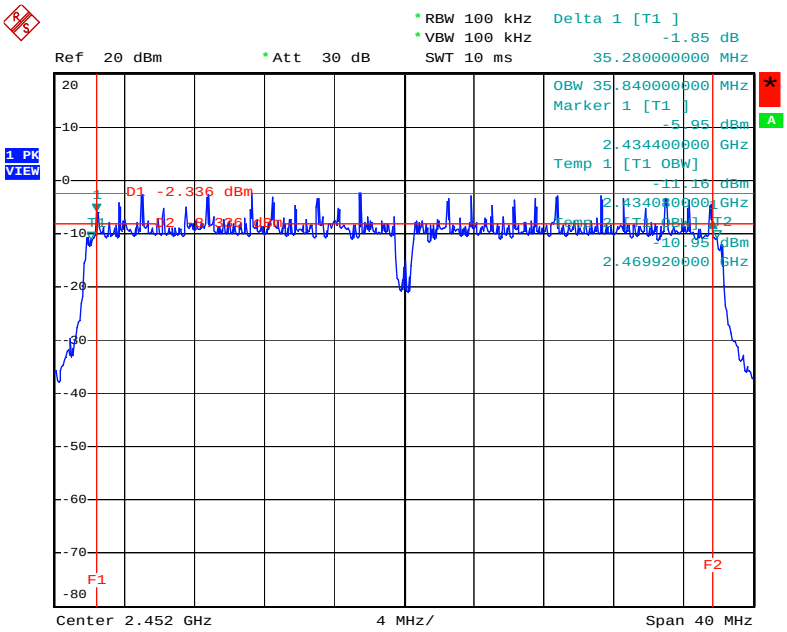
6 dB Bandwidth Plot on Configuration Draft n MCS0 40MHz Ant. B-1 + Ant. B-2 / 2422 MHz



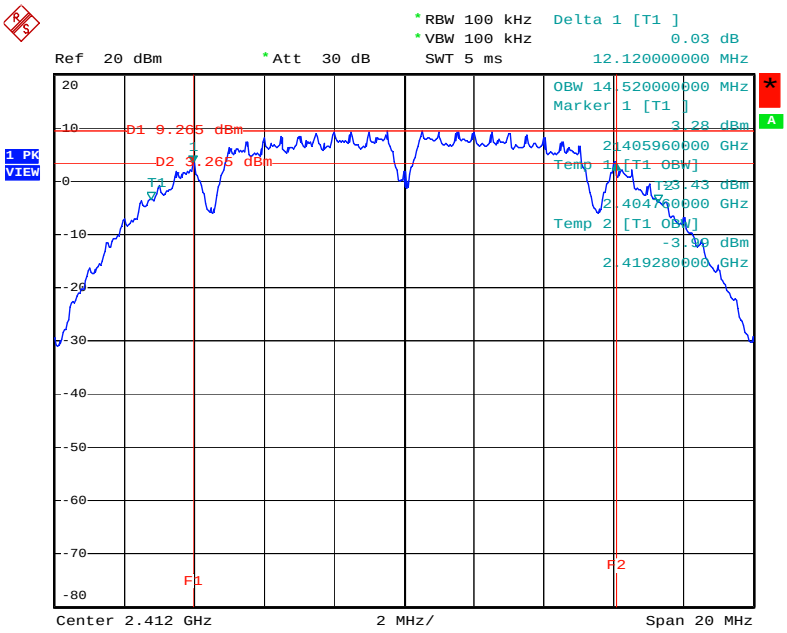
6 dB Bandwidth Plot on Configuration Draft n MCS0 40MHz Ant. B-1 + Ant. B-2/ 2437 MHz



6 dB Bandwidth Plot on Configuration Draft n MCS0 40MHz Ant. B-1 + Ant. B-2 / 2452 MHz

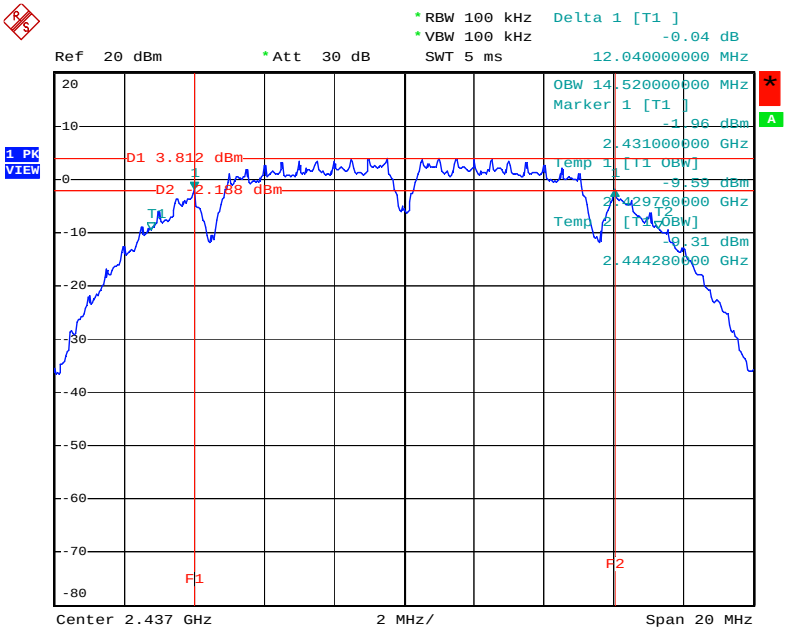


6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. B-1 / 2412 MHz



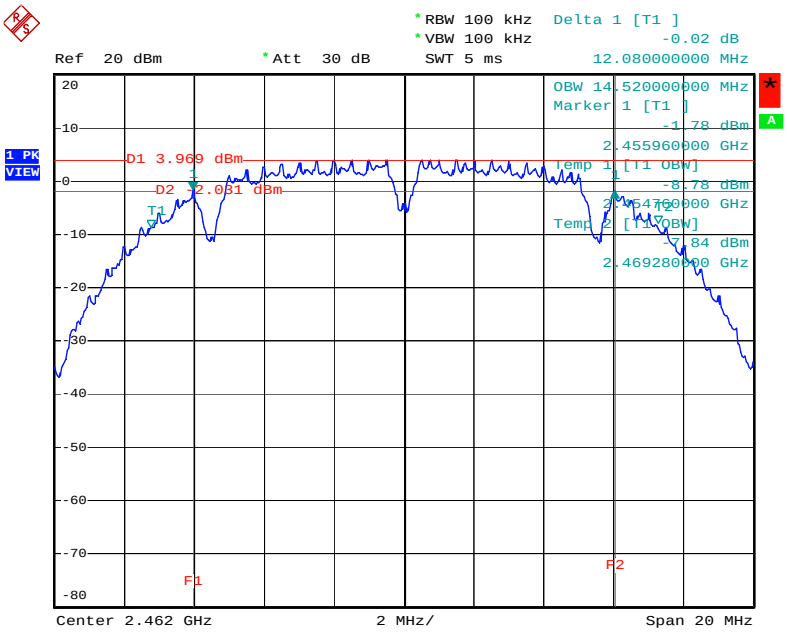
Date: 7.APR.2009 09:21:31

6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. B-1 / 2437 MHz



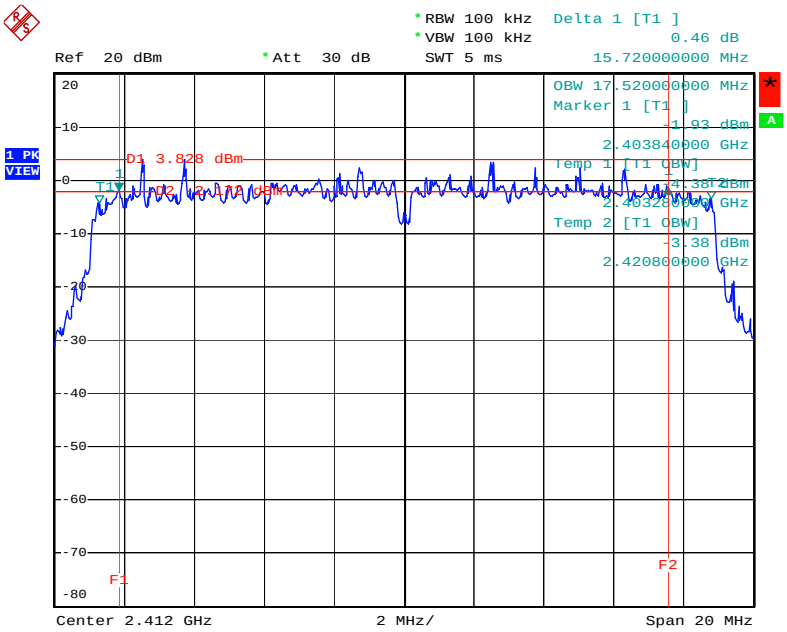
Date: 7.APR.2009 00:09:39

6 dB Bandwidth Plot on Configuration IEEE 802.11b Ant. B-1 / 2462 MHz



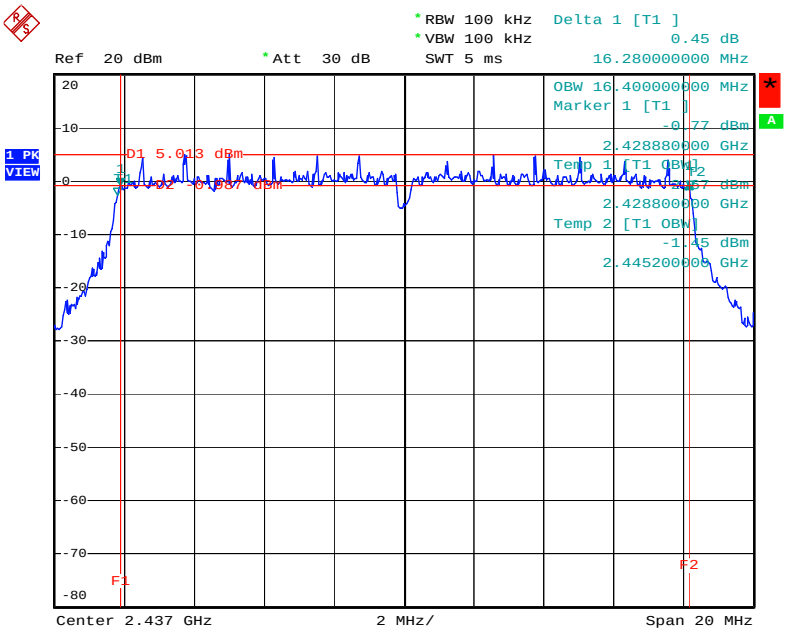
Date: 7.APR.2009 00:11:45

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. B-1 / 2412 MHz



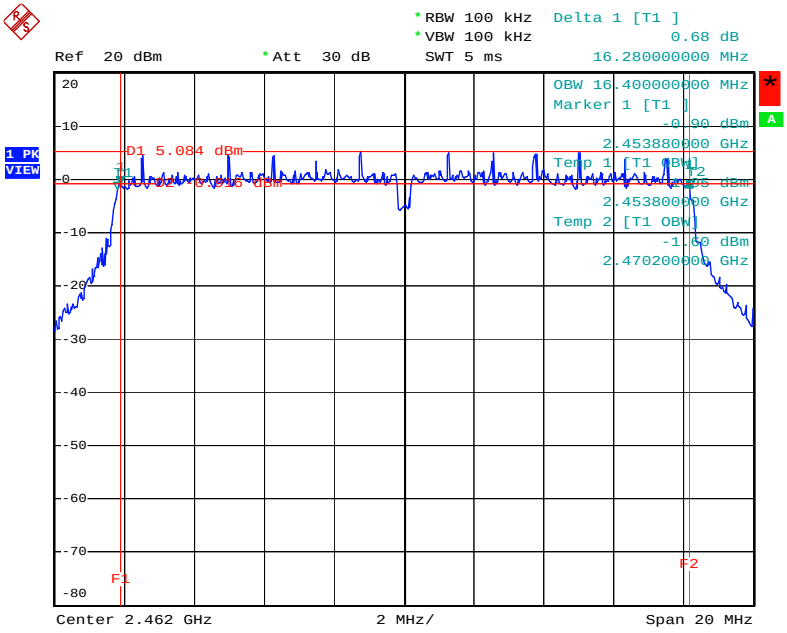
Date: 7.APR.2009 00:54:47

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. B-1 / 2437 MHz



Date: 7.APR.2009 00:19:02

6 dB Bandwidth Plot on Configuration IEEE 802.11g Ant. B-1 / 2462 MHz



Date: 7.APR.2009 00:21:08

4.5. Radiated Emissions Measurement

4.5.1. 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

4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	1000KHz / 1000KHz for peak

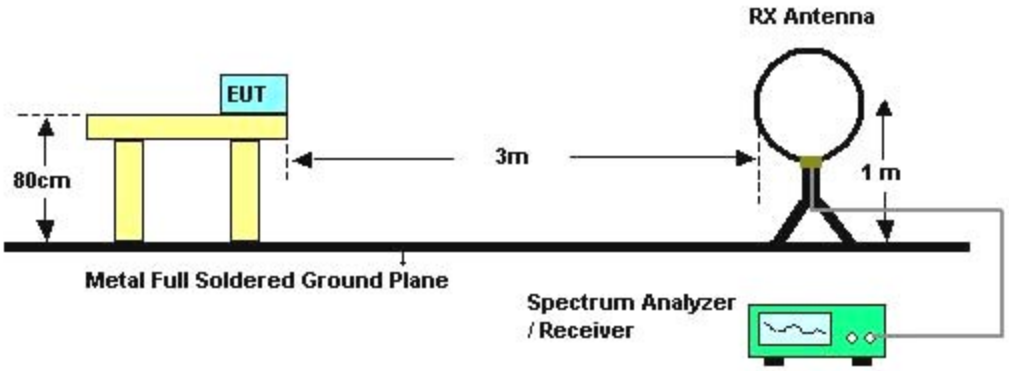
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.5.3. Test Procedures

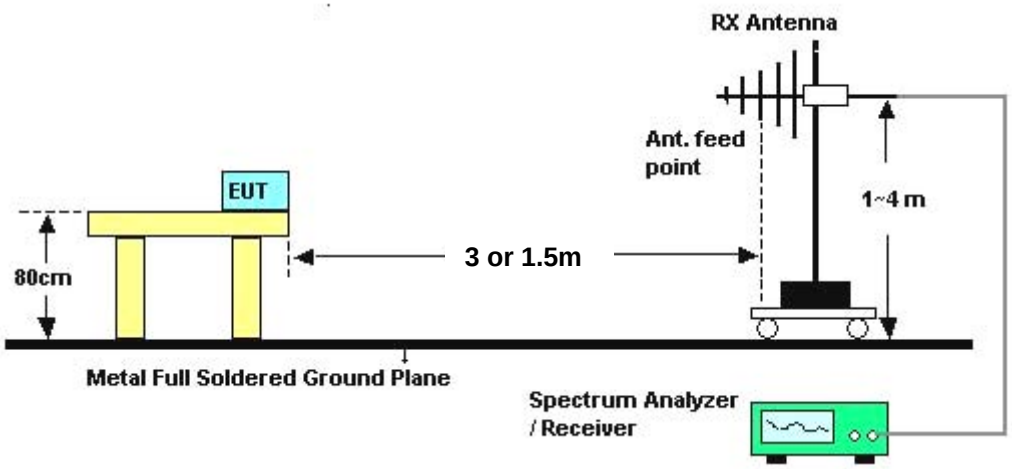
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 m to 4 m) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.5.4. Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.5.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Normal Link

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

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

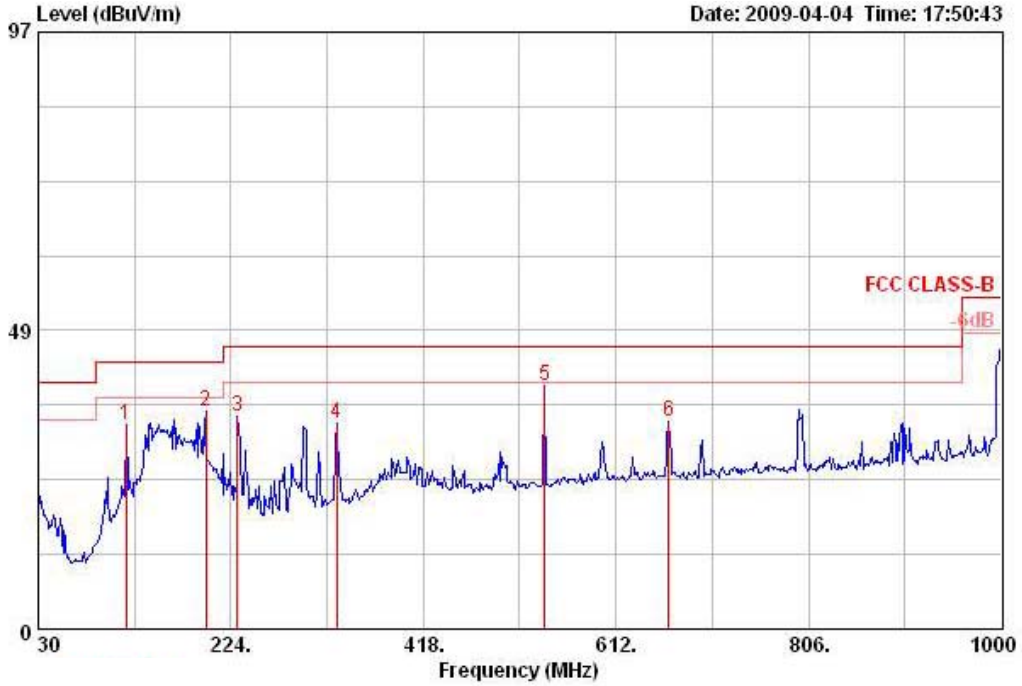
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

4.5.8. Results of Radiated Emissions (30MHz~1GHz)

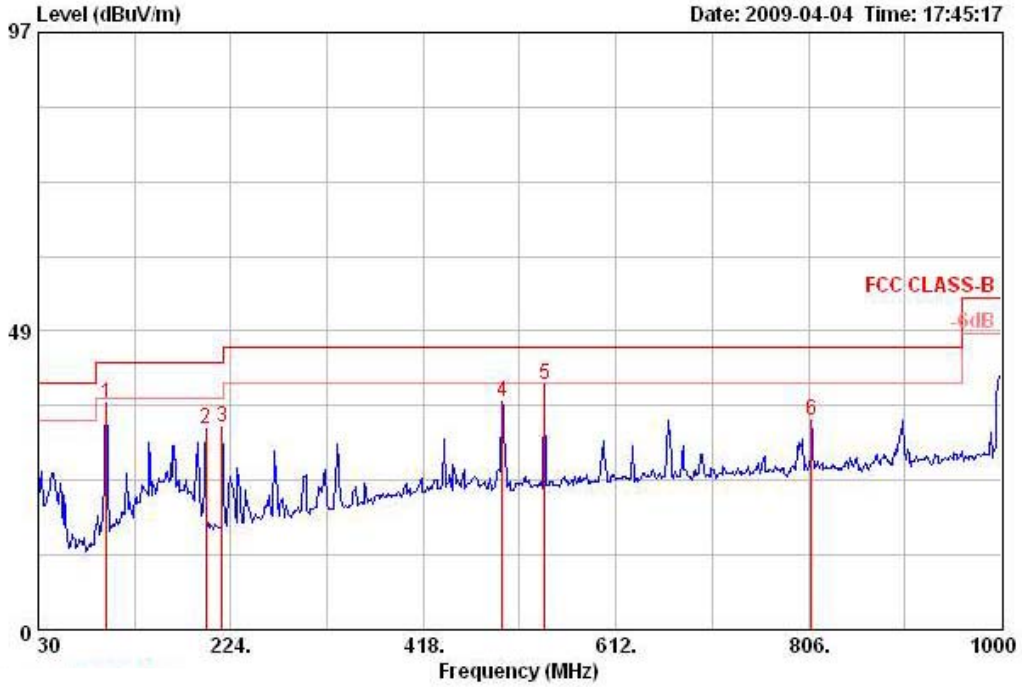
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Normal Link

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 @	118.270	33.30	-10.20	43.50	47.23	12.38	27.51	1.20	Peak	HORIZONTAL	0	100
2 @	198.780	35.38	-8.12	43.50	51.54	9.25	27.11	1.70	Peak	HORIZONTAL	0	100
3 @	230.790	34.68	-11.32	46.00	48.56	11.34	27.04	1.82	Peak	HORIZONTAL	0	100
4 @	330.700	33.36	-12.64	46.00	44.12	14.20	27.12	2.16	Peak	HORIZONTAL	0	100
5 @	540.220	39.52	-6.48	46.00	46.76	18.08	28.10	2.78	Peak	HORIZONTAL	267	100
6 @	665.350	33.78	-12.22	46.00	39.40	18.98	28.03	3.44	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 @	98.870	36.88	-6.62	43.50	52.52	10.79	27.61	1.18	Peak	VERTICAL	0	400
2 @	198.780	32.63	-10.87	43.50	48.79	9.25	27.11	1.70	Peak	VERTICAL	0	400
3 @	215.270	32.86	-10.64	43.50	47.97	10.19	27.07	1.76	Peak	VERTICAL	0	400
4 @	497.540	37.08	-8.92	46.00	44.89	17.58	28.09	2.69	Peak	VERTICAL	0	400
5 @	540.220	39.70	-6.30	46.00	46.93	18.08	28.10	2.78	Peak	VERTICAL	278	100
6 @	808.910	33.98	-12.02	46.00	38.41	19.84	27.58	3.32	Peak	VERTICAL	0	400

Note:

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

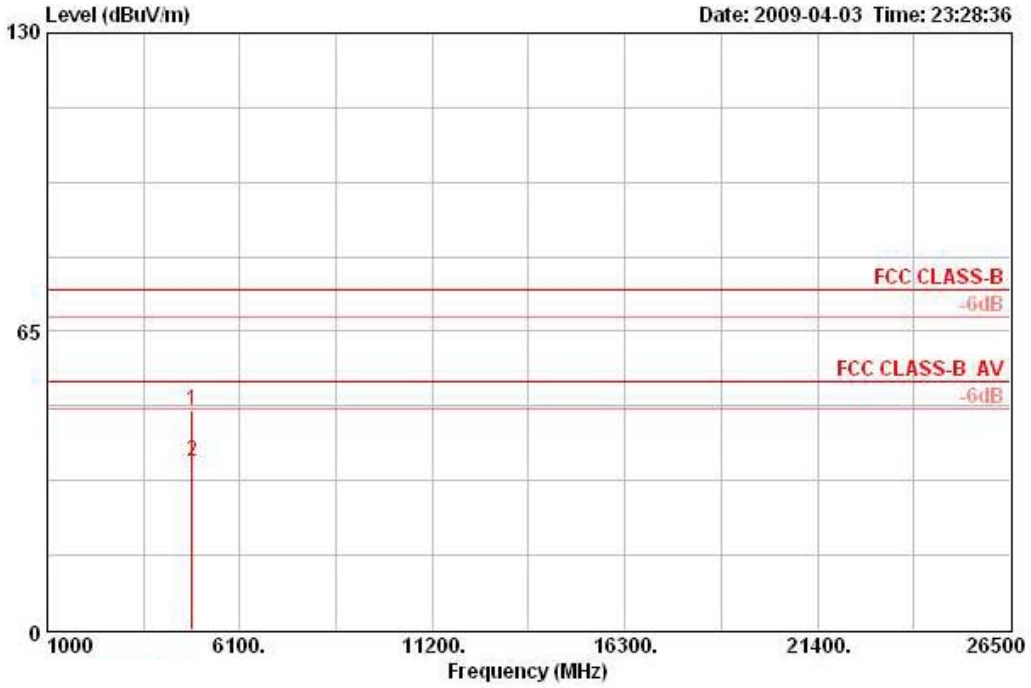
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

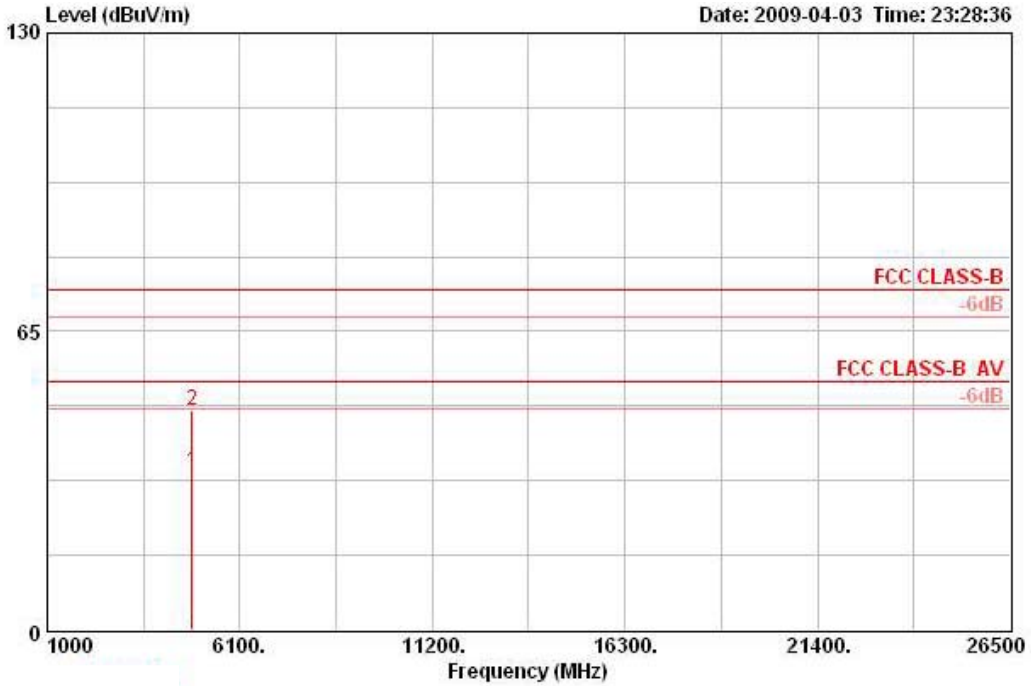
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 1 / Mode 3 with Ant. A-1 + Ant. A-2

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	4824.004	47.81	-26.19	74.00	43.23	33.39	35.20	6.39	PEAK	HORIZONTAL	0	100
2 @	4824.010	36.68	-17.32	54.00	32.10	33.39	35.20	6.39	AVERAGE	HORIZONTAL	0	100

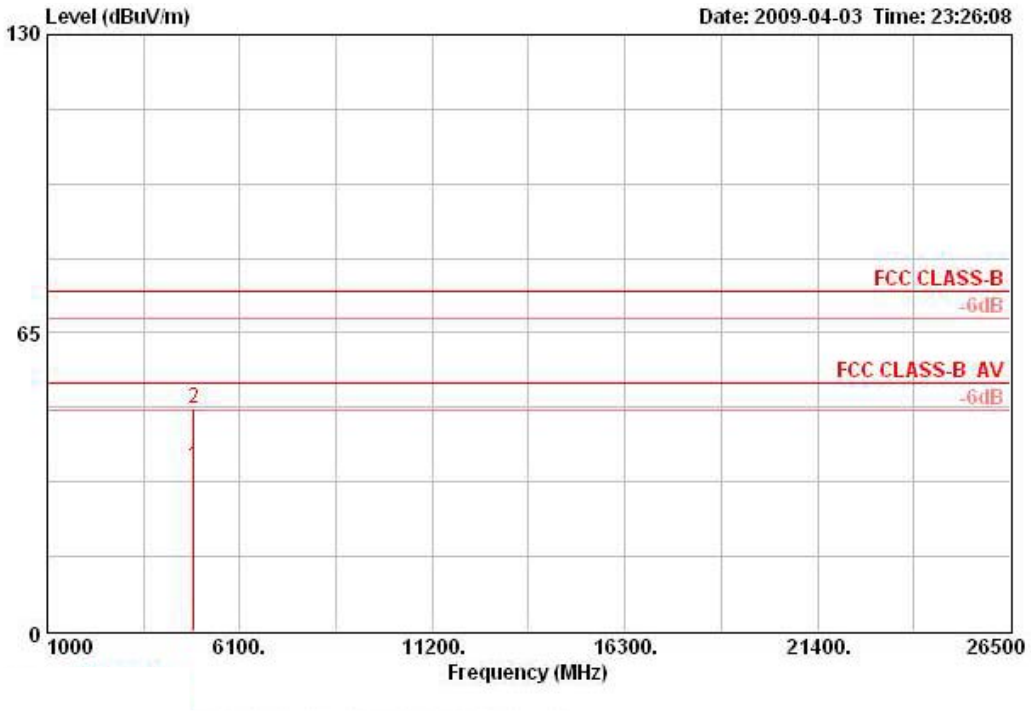
Vertical



	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	4823.976	34.59	-19.41	54.00	30.02	33.39	35.20	6.39	AVERAGE	VERTICAL	0	100
2	4824.004	47.81	-26.19	74.00	43.23	33.39	35.20	6.39	PEAK	VERTICAL	0	100

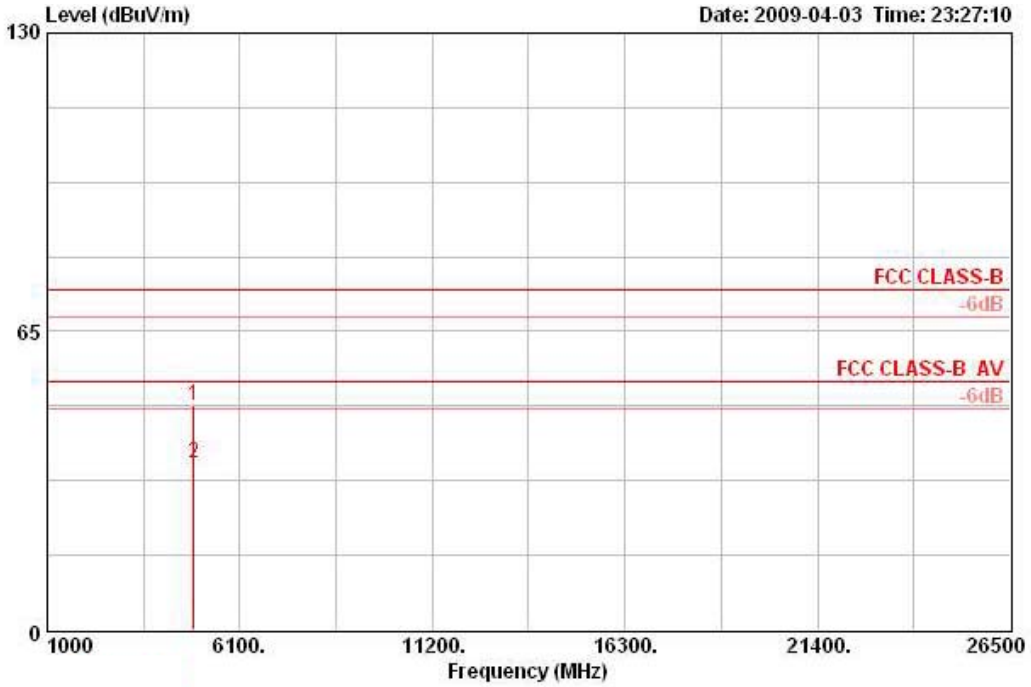
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 6 / Mode 3 with Ant. A-1 + Ant. A-2

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	4874.001	36.03	-17.97	54.00	31.19	33.48	35.20	6.56	AVERAGE	HORIZONTAL	0	100
2	4874.004	48.58	-25.42	74.00	43.73	33.48	35.20	6.56	PEAK	HORIZONTAL	0	100

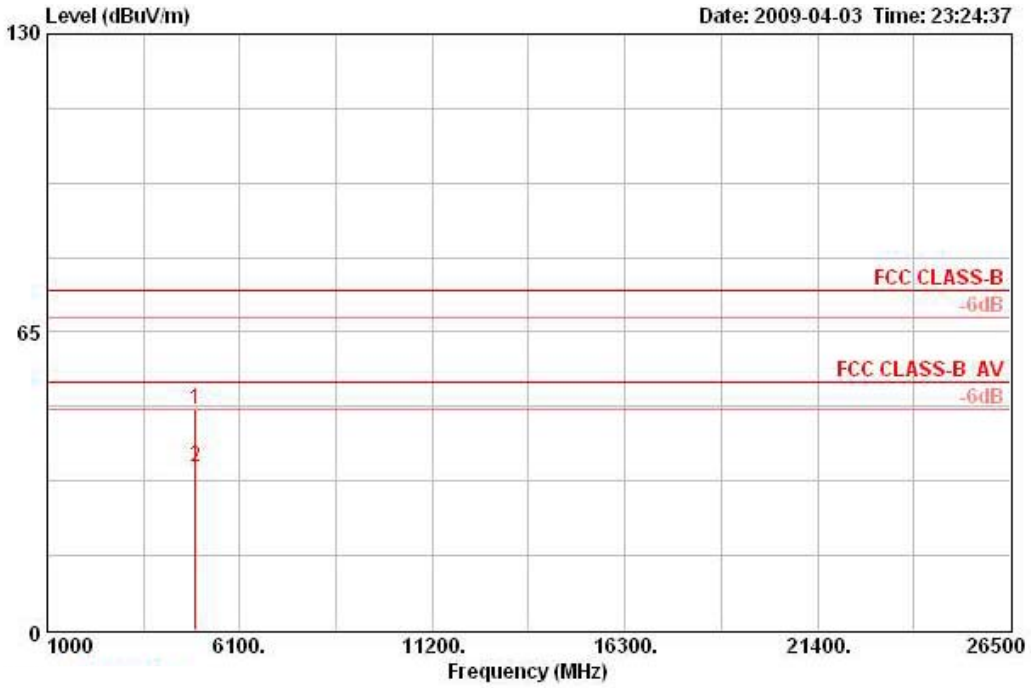
Vertical



	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	4873.982	48.99	-25.01	74.00	44.15	33.48	35.20	6.56	PEAK	VERTICAL	360	100
2	4874.022	36.13	-17.87	54.00	31.28	33.48	35.20	6.56	AVERAGE	VERTICAL	360	100

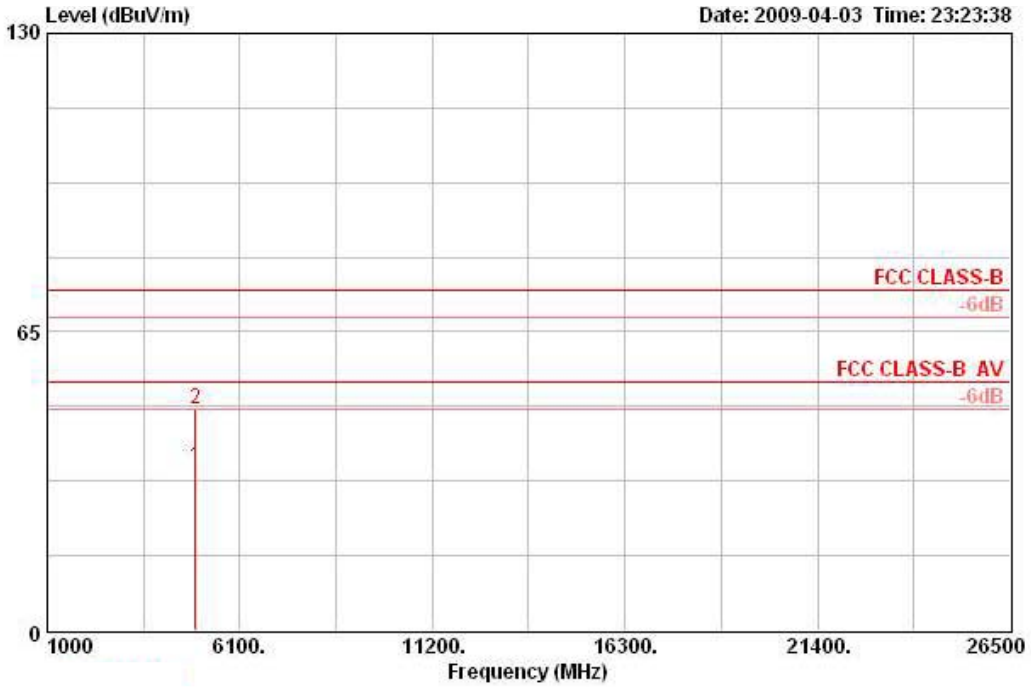
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch11 / Mode 3 with Ant. A-1 + Ant. A-2

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	4923.978	48.18	-25.82	74.00	43.08	33.58	35.20	6.73	PEAK	HORIZONTAL	360	100
2	4924.000	35.44	-18.56	54.00	30.33	33.58	35.20	6.73	AVERAGE	HORIZONTAL	360	100

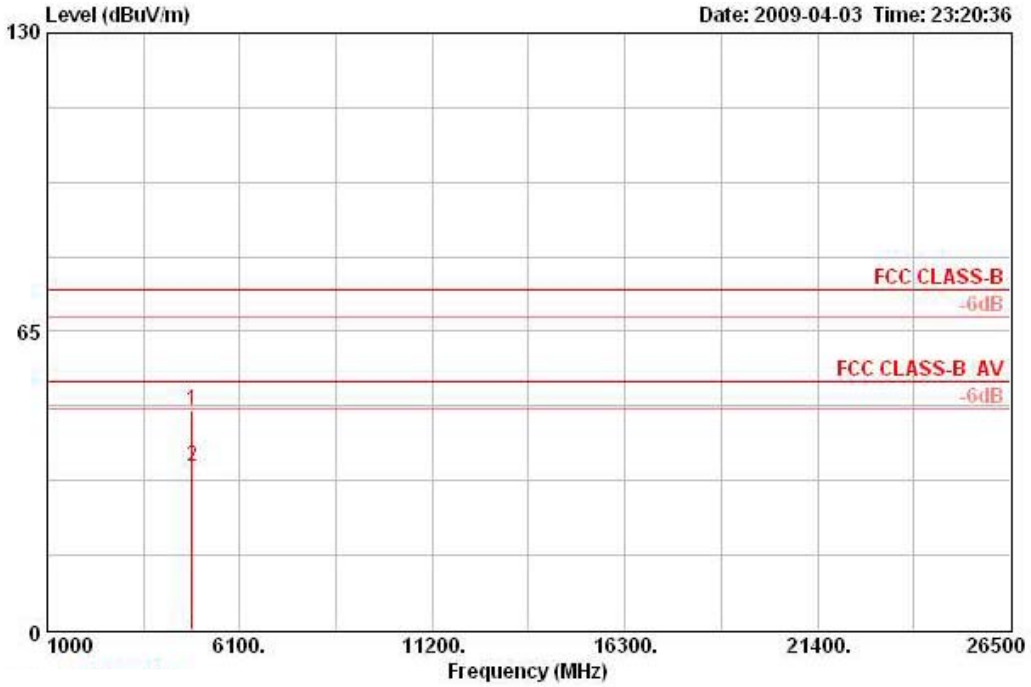
Vertical



	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	4923.984	35.45	-18.55	54.00	30.34	33.58	35.20	6.73	AVERAGE	VERTICAL	0	100
2	4924.000	47.98	-26.02	74.00	42.87	33.58	35.20	6.73	PEAK	VERTICAL	0	100

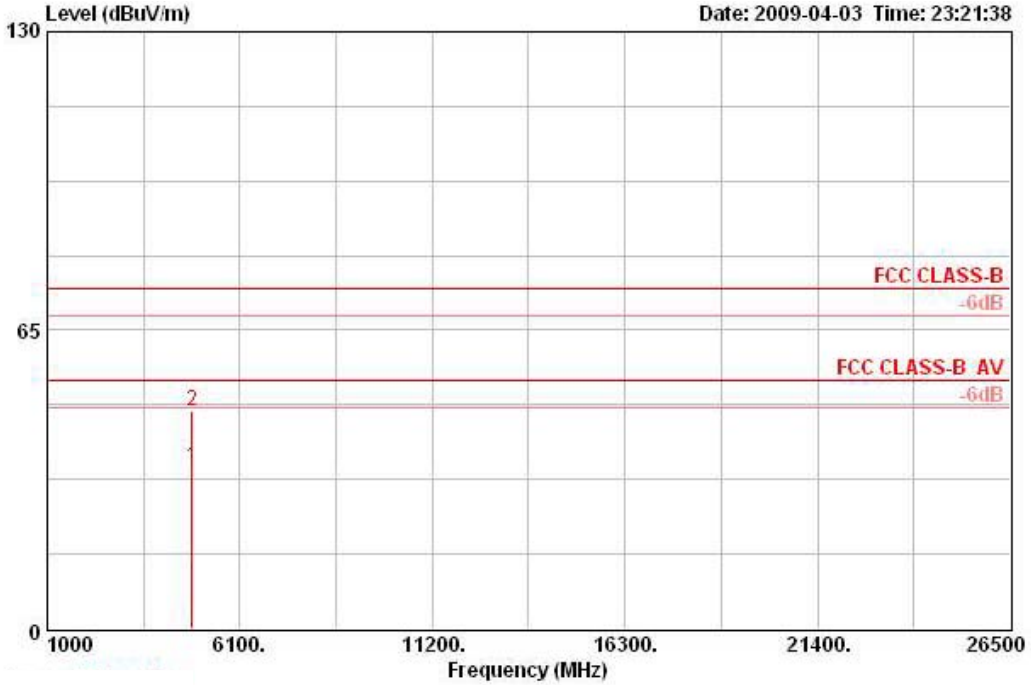
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 3 / Mode 3 with Ant. A-1 + Ant. A-2

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	4843.991	47.96	-26.04	74.00	43.27	33.42	35.20	6.47	PEAK	HORIZONTAL	0	100
2	4844.015	35.40	-18.60	54.00	30.71	33.42	35.20	6.47	AVERAGE	HORIZONTAL	0	100

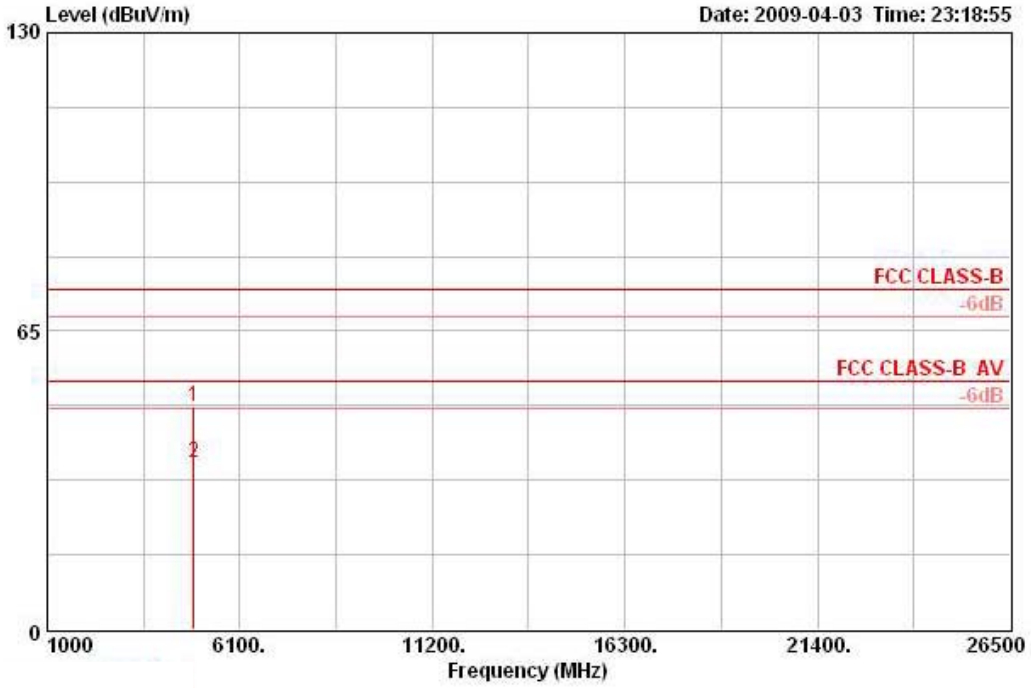
Vertical



	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	4844.005	35.34	-18.66	54.00	30.64	33.42	35.20	6.47	AVERAGE	VERTICAL	360	100
2	4844.010	47.57	-26.43	74.00	42.88	33.42	35.20	6.47	PEAK	VERTICAL	360	100

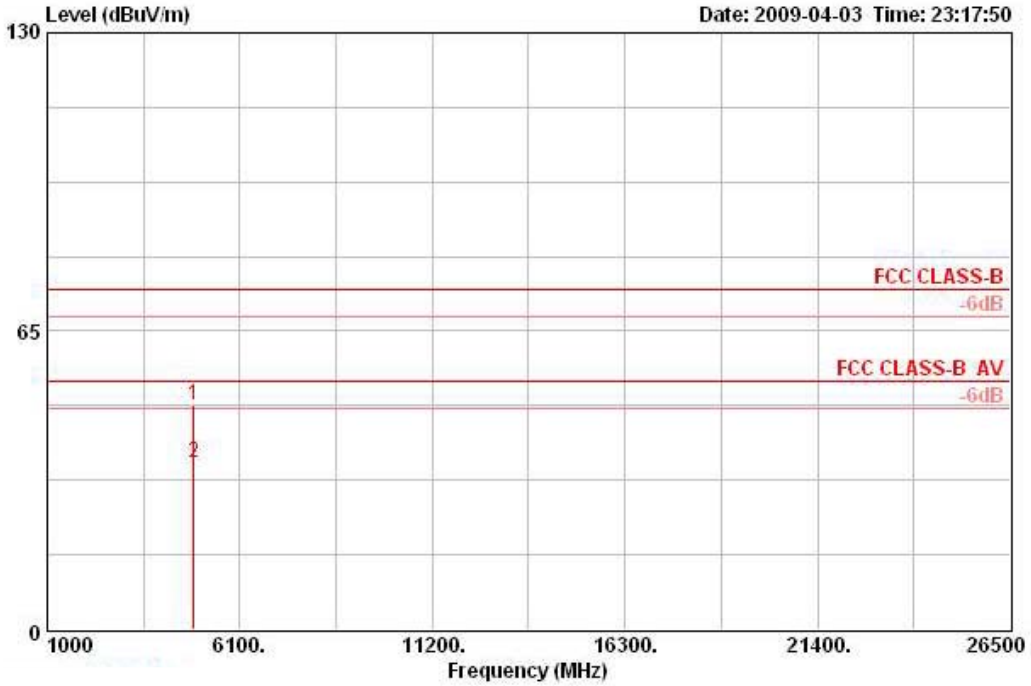
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 6 / Mode 3 with Ant. A-1 + Ant. A-2

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	4873.979	48.37	-25.63	74.00	43.53	33.48	35.20	6.56	PEAK	HORIZONTAL	360	100
2	4873.991	36.12	-17.88	54.00	31.28	33.48	35.20	6.56	AVERAGE	HORIZONTAL	360	100

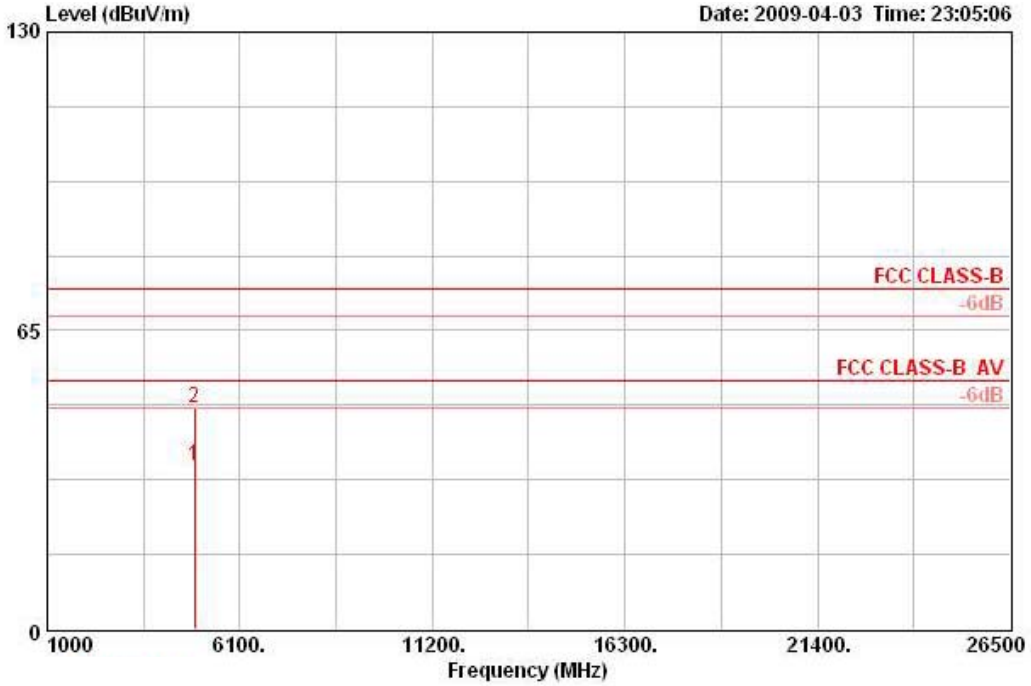
Vertical



	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	4874.003	48.99	-25.01	74.00	44.15	33.48	35.20	6.56	PEAK	VERTICAL	0	100
2	4874.011	36.41	-17.59	54.00	31.57	33.48	35.20	6.56	AVERAGE	VERTICAL	0	100

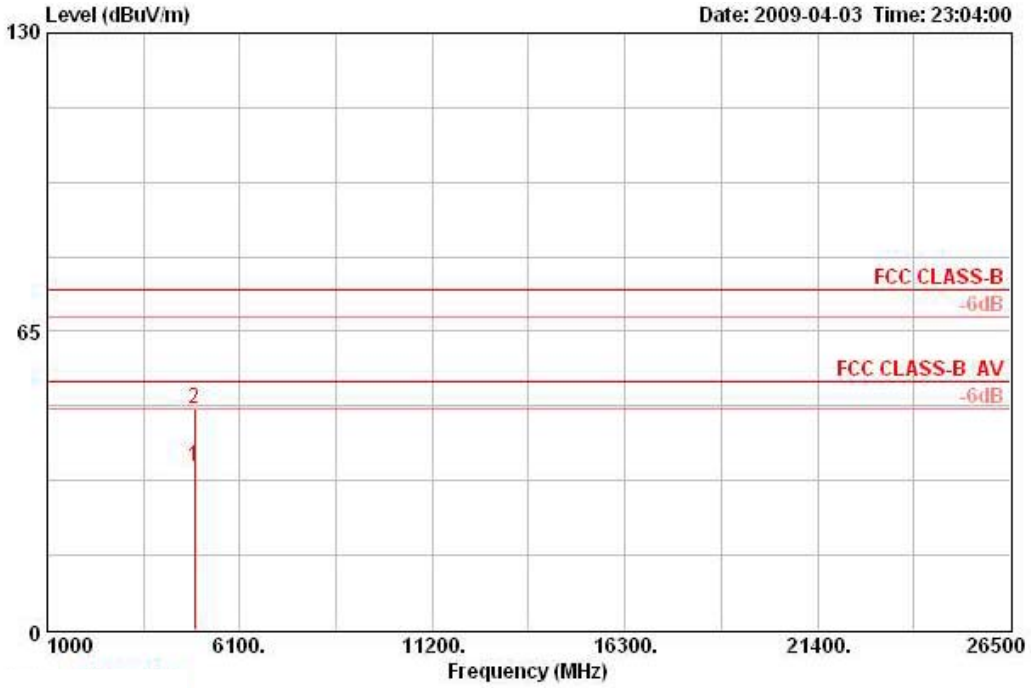
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 40MHz Ch 9 / Mode 3 with Ant. A-1 + Ant. A-2

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	4903.991	35.41	-18.59	54.00	30.42	33.54	35.20	6.65	AVERAGE	HORIZONTAL	360	100
2	4903.992	47.98	-26.02	74.00	42.99	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	4904.005	35.50	-18.50	54.00	30.51	33.54	35.20	6.65	AVERAGE	VERTICAL	0	8955
2	4904.016	48.25	-25.75	74.00	43.26	33.54	35.20	6.65	PEAK	VERTICAL	0	100

Note:

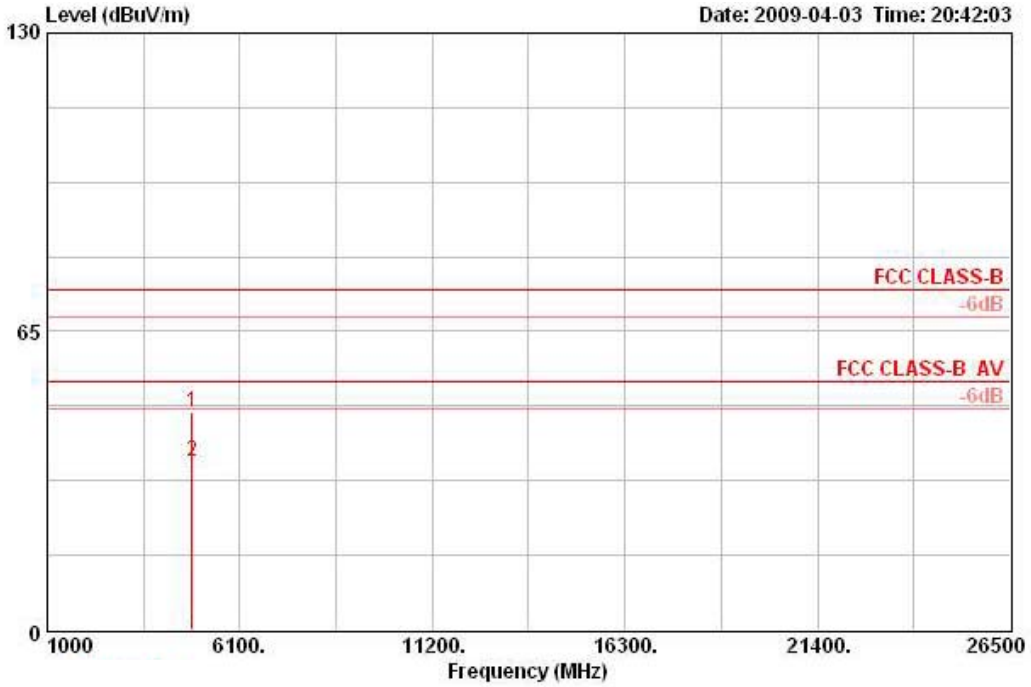
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

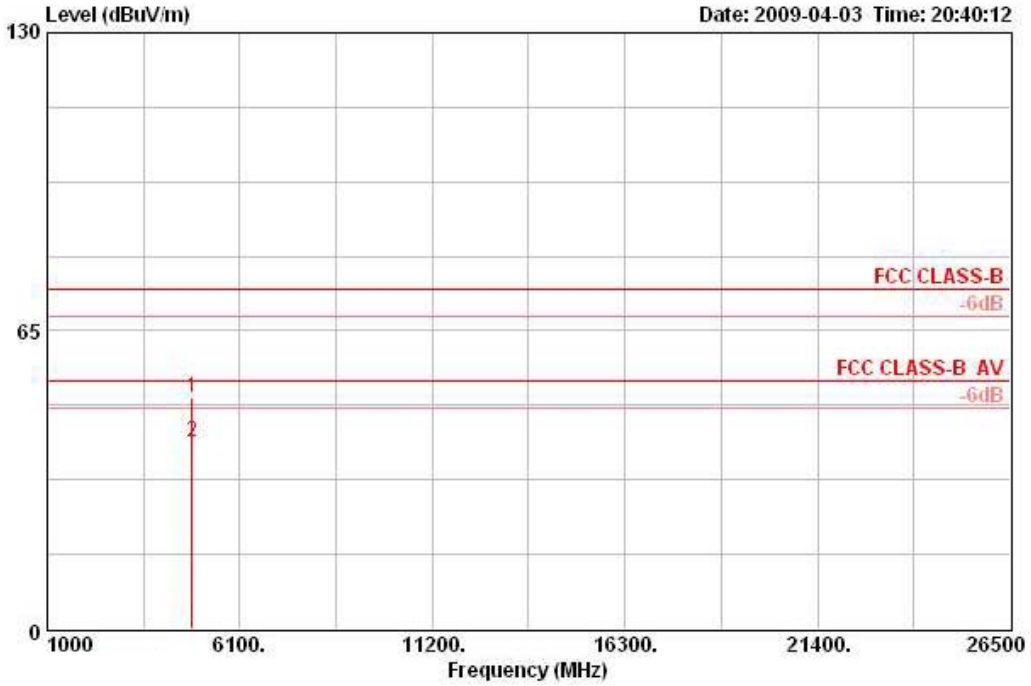
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 1 / Mode 3 with Ant. A-1

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	4823.764	47.58	-26.42	74.00	43.00	33.39	35.20	6.39	PEAK	HORIZONTAL	131	176
2	4824.032	36.64	-17.36	54.00	32.06	33.39	35.20	6.39	AVERAGE	HORIZONTAL	131	176

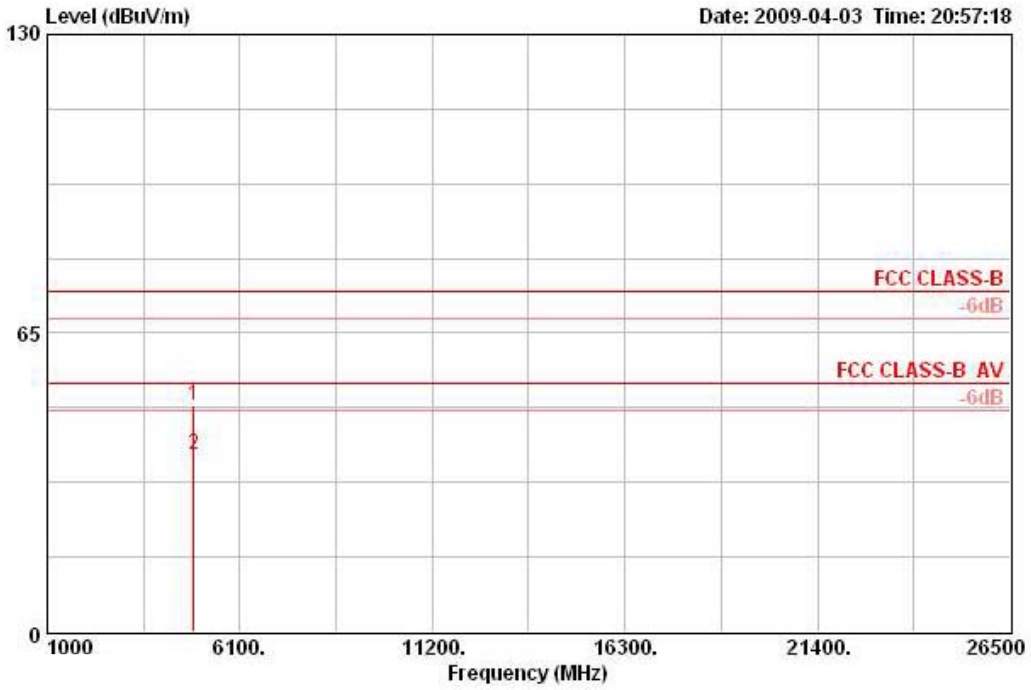
Vertical



	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	4823.644	50.32	-23.68	74.00	45.74	33.39	35.20	6.39	PEAK	VERTICAL	46	208
2 @	4823.988	40.89	-13.11	54.00	36.32	33.39	35.20	6.39	AVERAGE	VERTICAL	46	208

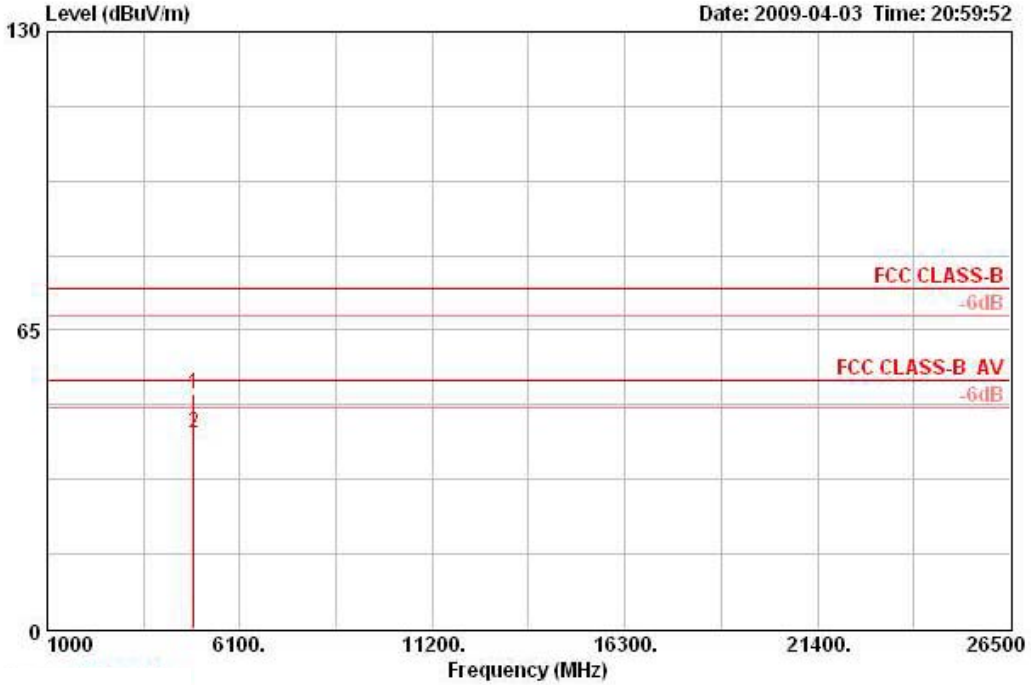
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 6 / Mode 3 with Ant. A-1

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	4873.612	49.37	-24.63	74.00	44.53	33.48	35.20	6.56	PEAK	HORIZONTAL	169	149
2 @	4874.012	38.37	-15.63	54.00	33.52	33.48	35.20	6.56	AVERAGE	HORIZONTAL	169	149

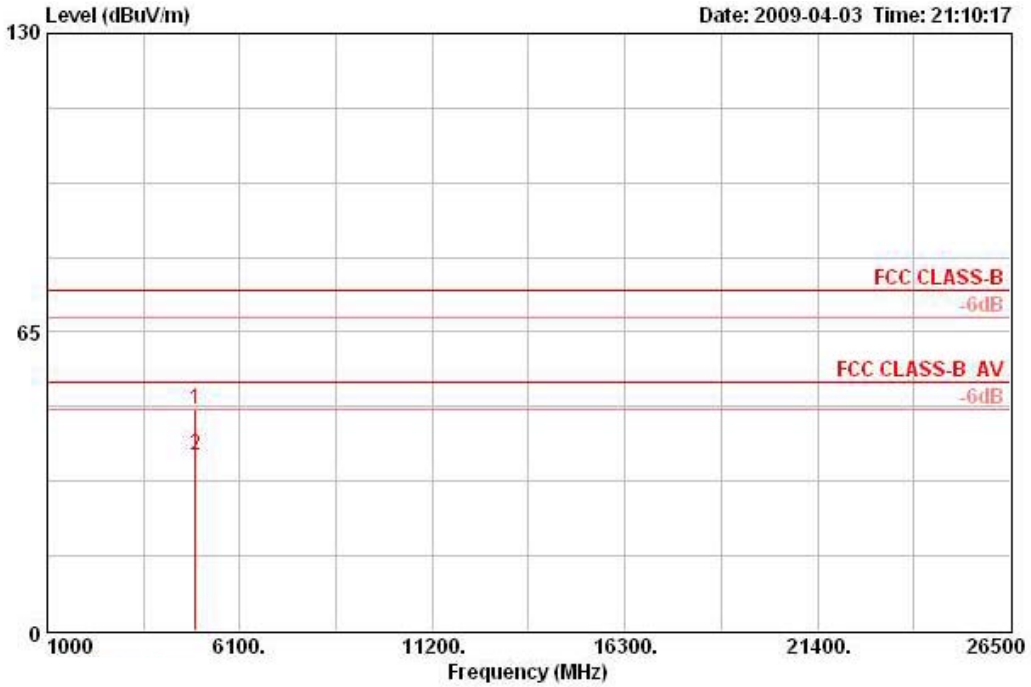
Vertical



	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	4873.960	50.98	-23.02	74.00	46.14	33.48	35.20	6.56	PEAK	VERTICAL	76	152
2 @	4873.988	42.57	-11.43	54.00	37.72	33.48	35.20	6.56	AVERAGE	VERTICAL	76	152

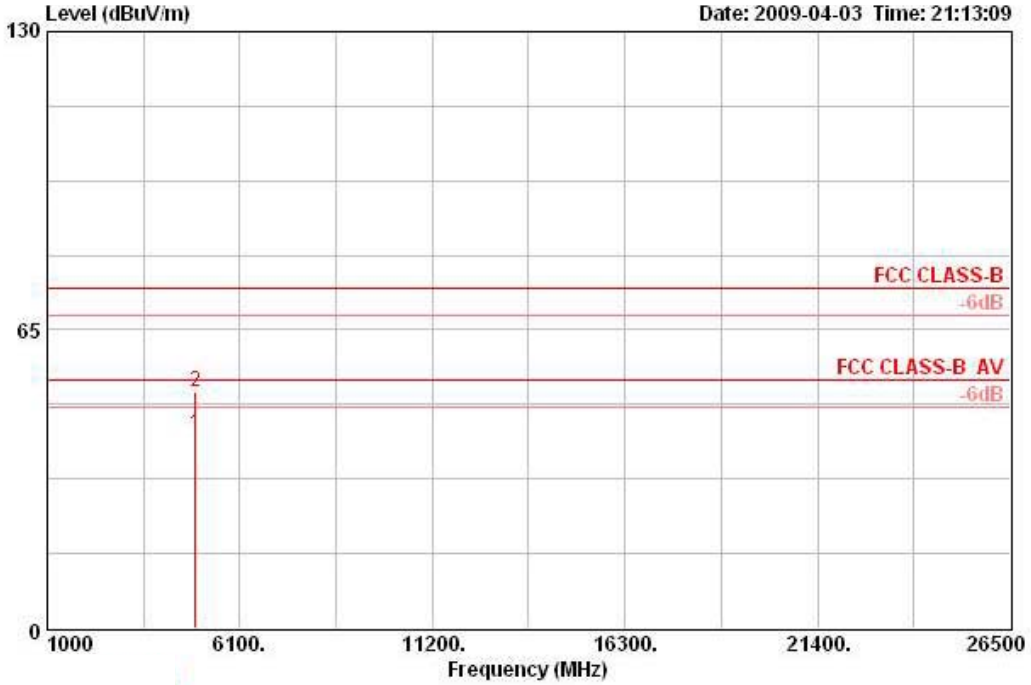
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11b CH 11 / Mode 3 with Ant. A-1

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	4923.760	48.05	-25.95	74.00	42.94	33.58	35.20	6.73	PEAK	HORIZONTAL	186	100
2 @	4923.948	38.02	-15.98	54.00	32.92	33.58	35.20	6.73	AVERAGE	HORIZONTAL	186	100

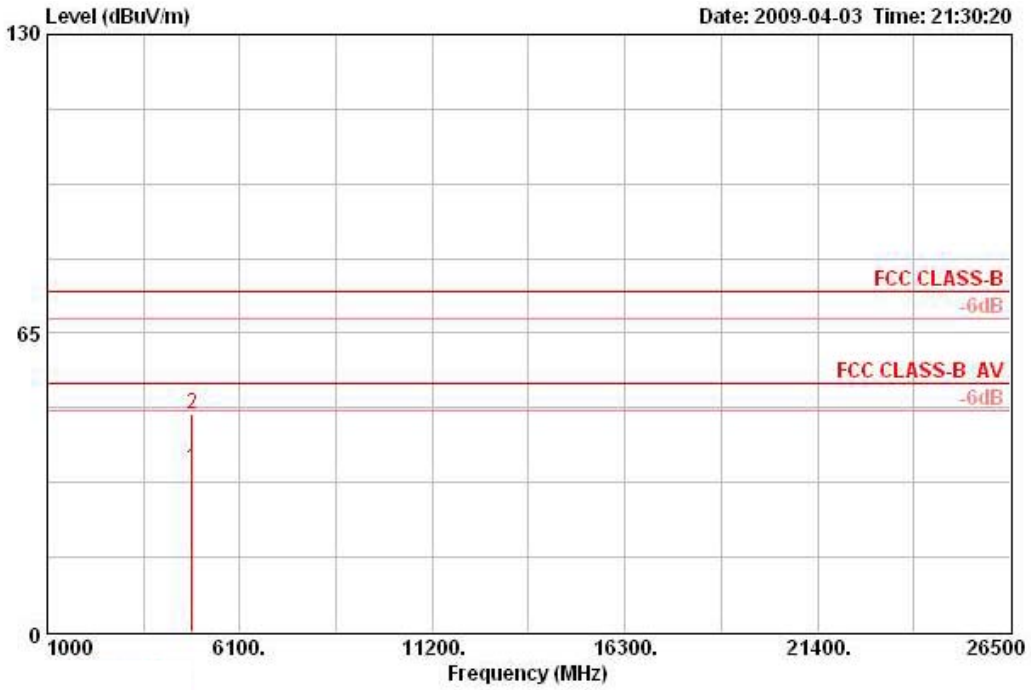
Vertical



	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 @	4924.028	42.09	-11.91	54.00	36.98	33.58	35.20	6.73	AVERAGE	VERTICAL	75	151
2	4924.116	51.47	-22.53	74.00	46.36	33.58	35.20	6.73	PEAK	VERTICAL	75	151

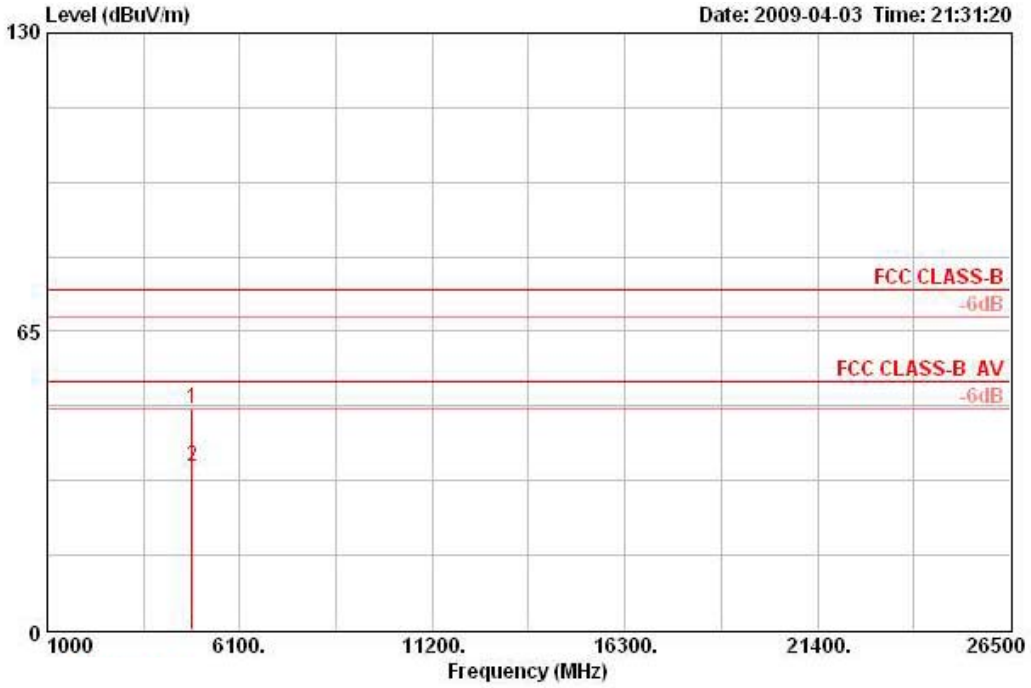
Temperature	23.5°C	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 1 / Mode 3 with Ant. A-1

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	4824.104	35.49	-18.51	54.00	30.92	33.39	35.20	6.39	AVERAGE	HORIZONTAL	0	100
2	4824.740	47.52	-26.48	74.00	42.94	33.39	35.20	6.39	PEAK	HORIZONTAL	0	100

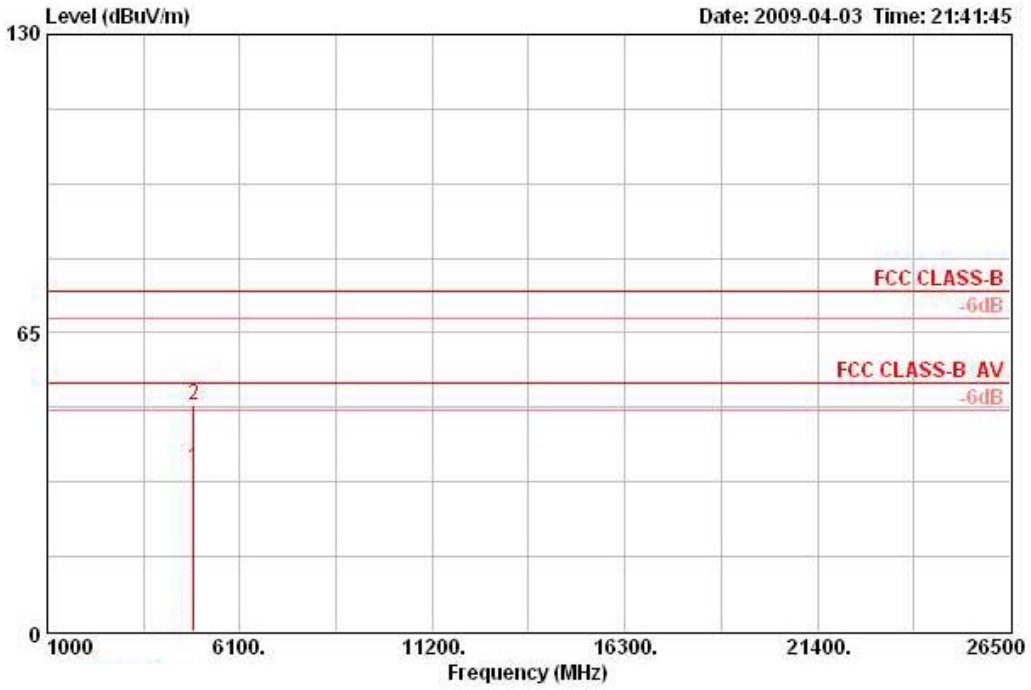
Vertical



	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	4823.432	48.23	-25.77	74.00	43.65	33.39	35.20	6.39	PEAK	VERTICAL	360	100
2	4823.464	35.45	-18.55	54.00	30.87	33.39	35.20	6.39	AVERAGE	VERTICAL	360	100

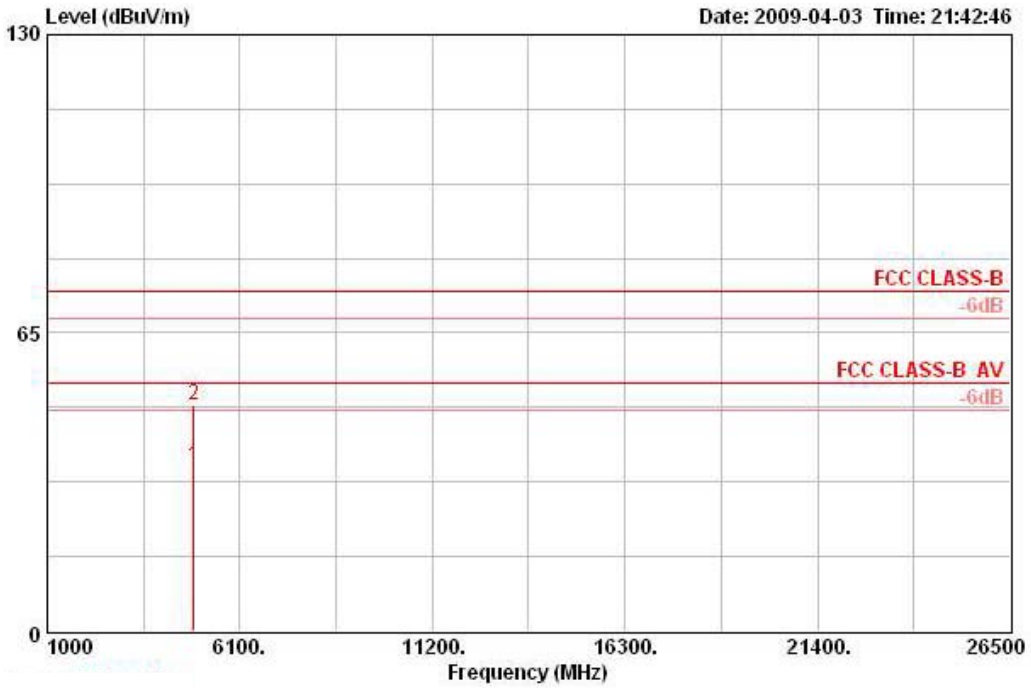
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 6 / Mode 3 with Ant. A-1

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	4874.388	35.73	-18.27	54.00	30.89	33.48	35.20	6.56	AVERAGE	HORIZONTAL	0	100
2	4874.424	49.41	-24.59	74.00	44.57	33.48	35.20	6.56	PEAK	HORIZONTAL	0	100

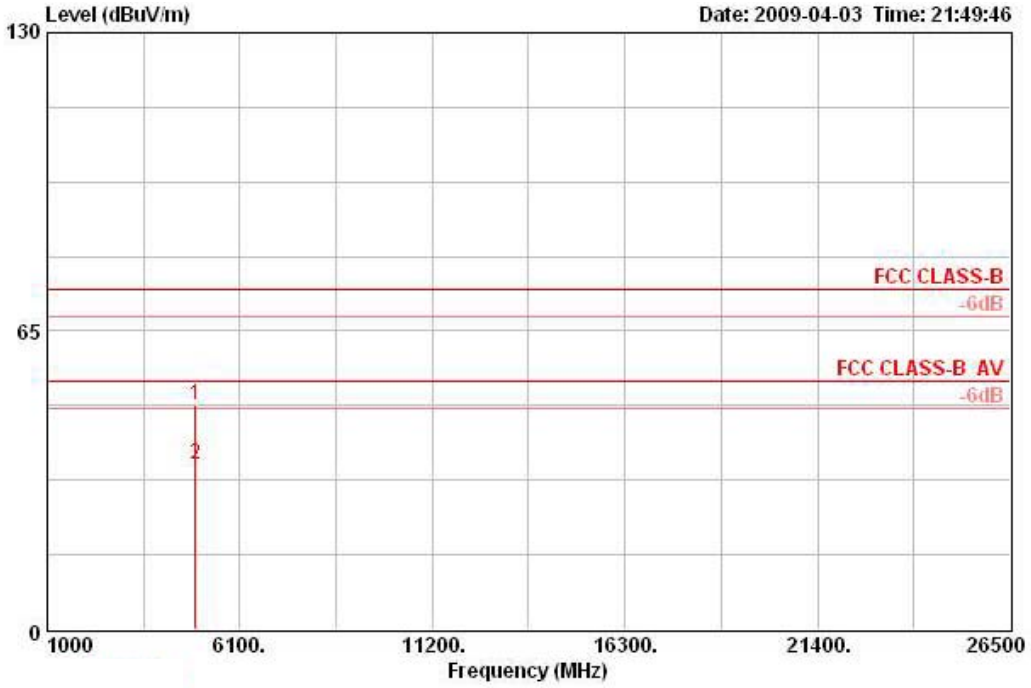
Vertical



	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	4873.212	35.93	-18.07	54.00	31.09	33.48	35.20	6.56	AVERAGE	VERTICAL	360	100
2	4874.112	49.39	-24.61	74.00	44.55	33.48	35.20	6.56	PEAK	VERTICAL	360	100

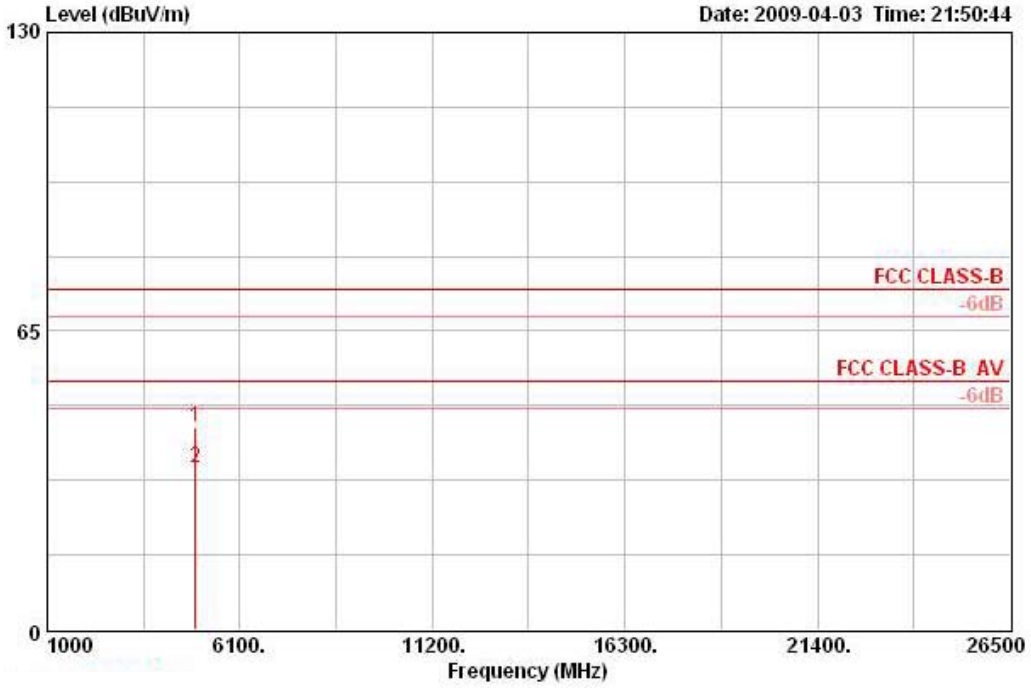
Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	802.11g CH 11 / Mode 3 with Ant. A-1

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	4924.424	48.78	-25.22	74.00	43.67	33.58	35.20	6.73	PEAK	HORIZONTAL	360	100
2	4924.644	35.94	-18.06	54.00	30.83	33.58	35.20	6.73	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	4924.896	44.00	-30.00	74.00	38.89	33.58	35.20	6.73	PEAK	VERTICAL	0	100
2	4925.000	35.10	-18.90	54.00	29.99	33.58	35.20	6.73	AVERAGE	VERTICAL	0	100

Note:

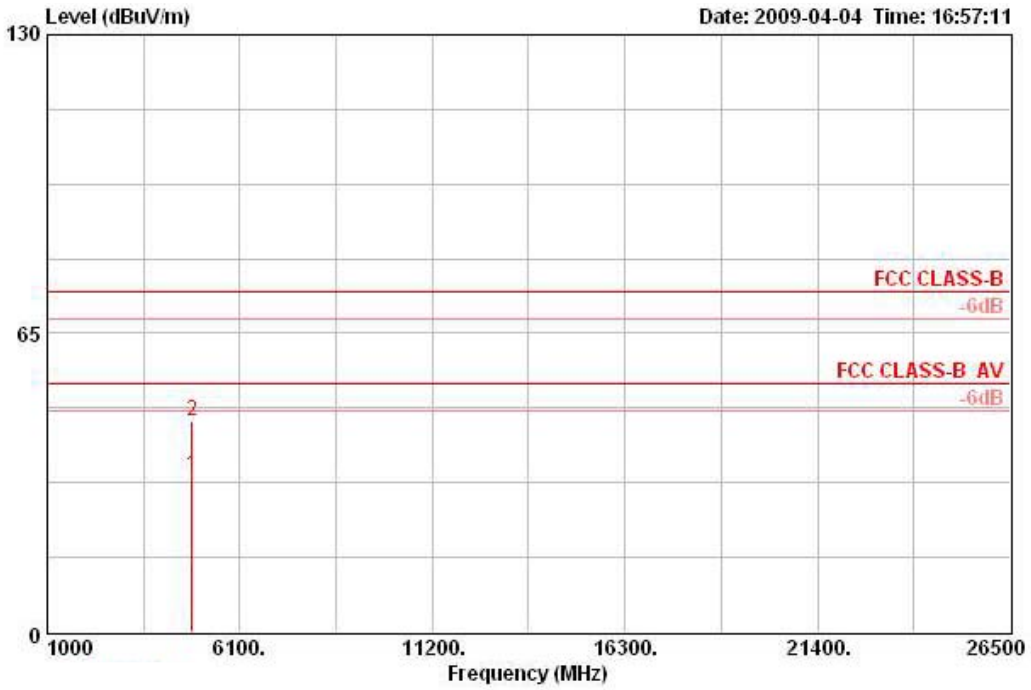
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Temperature	23.5℃	Humidity	62%
Test Engineer	Allen Liu	Configurations	Draft n MCS0 20MHz Ch 1 / 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	4824.000	33.95	-20.05	54.00	29.38	33.39	35.20	6.39	AVERAGE	HORIZONTAL	360	100
2	4824.025	45.97	-28.03	74.00	41.39	33.39	35.20	6.39	PEAK	HORIZONTAL	360	100