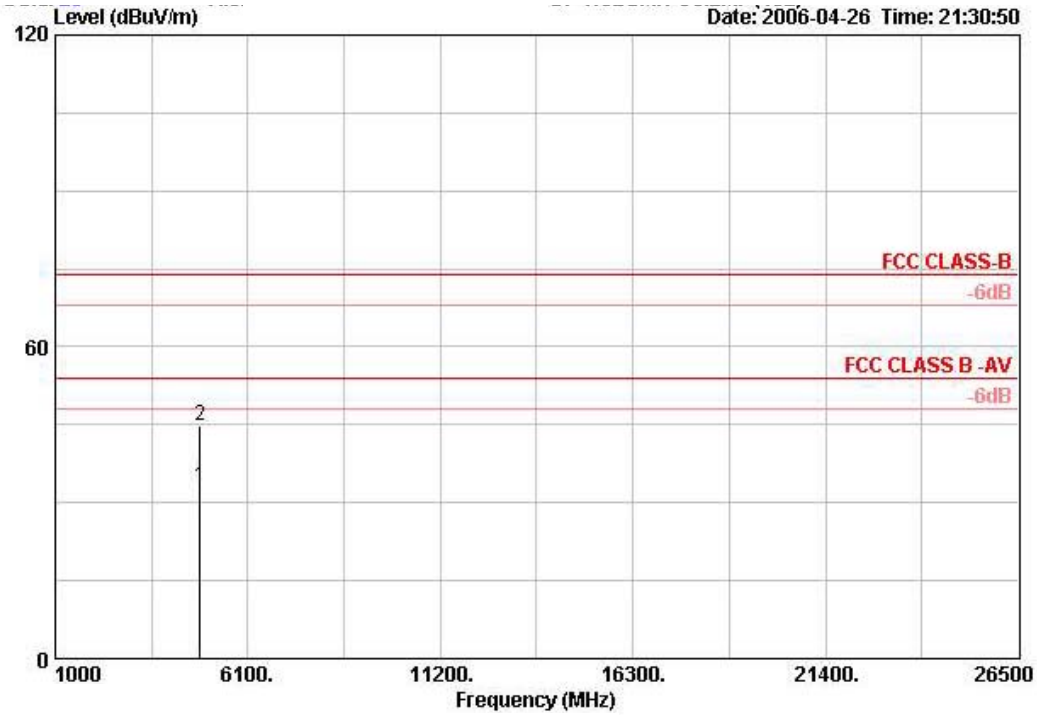
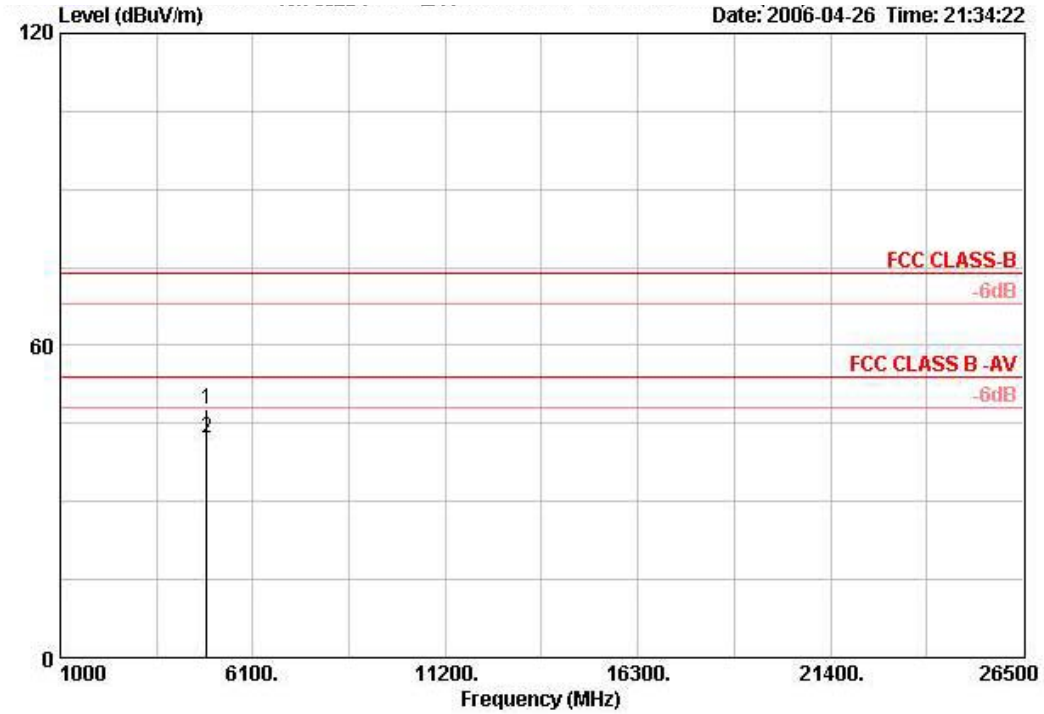
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4823.996	33.03	-20.97	54.00	31.07	32.83	4.30	35.16	AVERAGE	HORIZONTAL	3
2	4824.262	44.89	-29.11	74.00	42.92	32.83	4.30	35.16	PEAK	HORIZONTAL	3

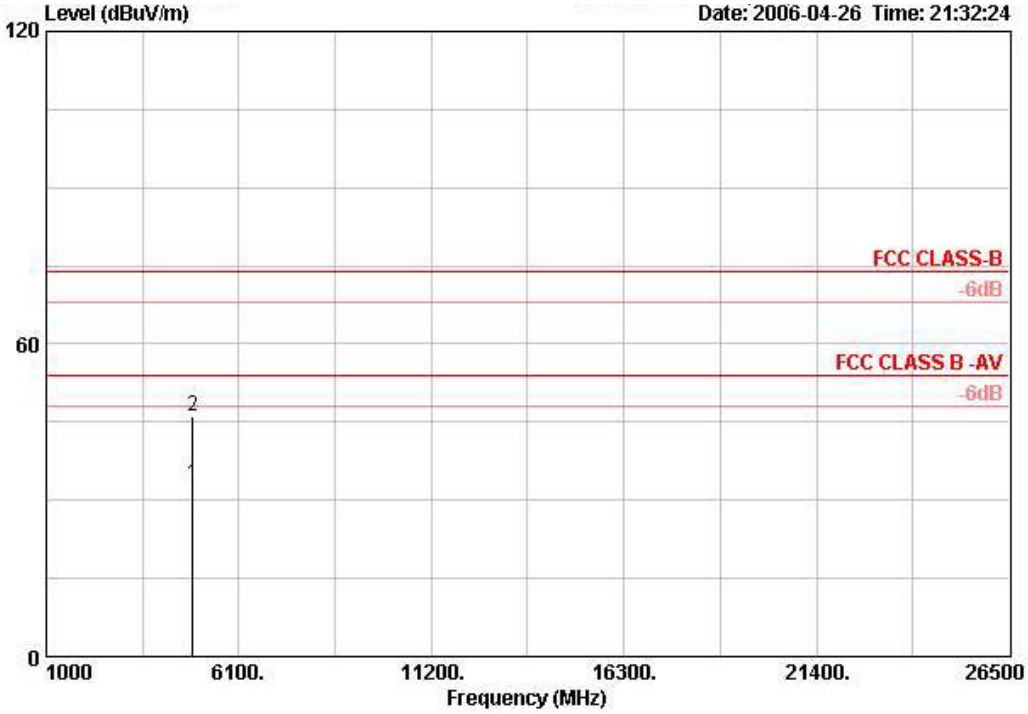
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 6 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4873.922	47.67	-26.33	74.00	45.64	32.88	4.30	35.15	PEAK	VERTICAL	3
2	4873.944	42.31	-11.69	54.00	40.29	32.88	4.30	35.15	AVERAGE	VERTICAL	3

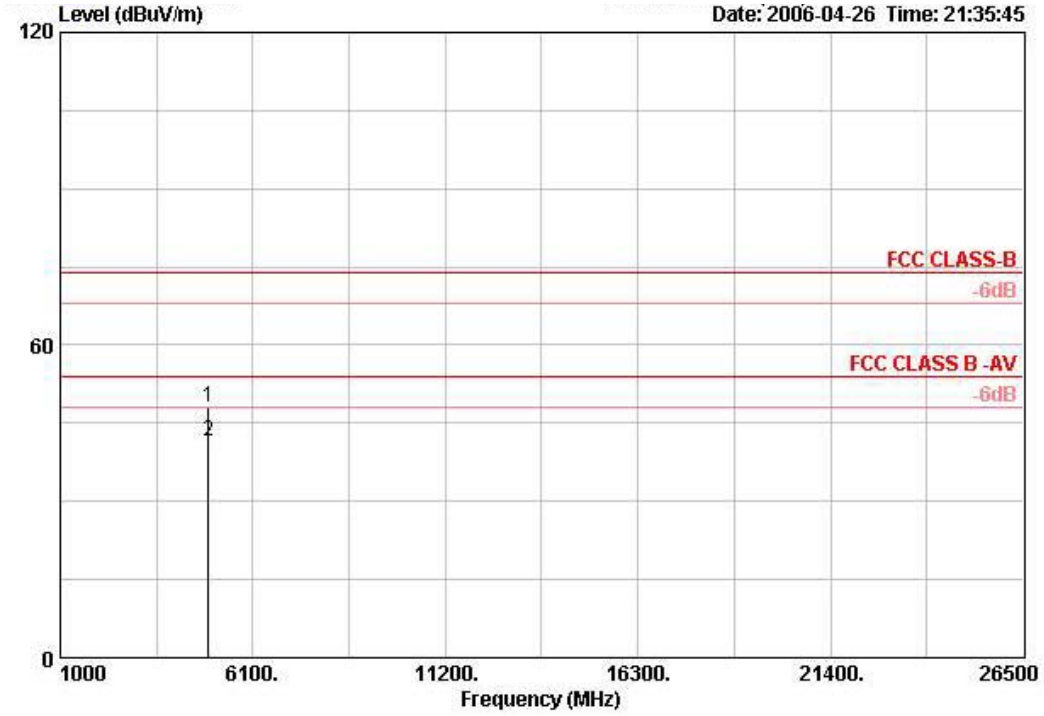
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4874.068	33.02	-20.98	54.00	31.00	32.88	4.30	35.15	AVERAGE	HORIZONTAL	3
2	4874.080	46.09	-27.91	74.00	44.06	32.88	4.30	35.15	PEAK	HORIZONTAL	3

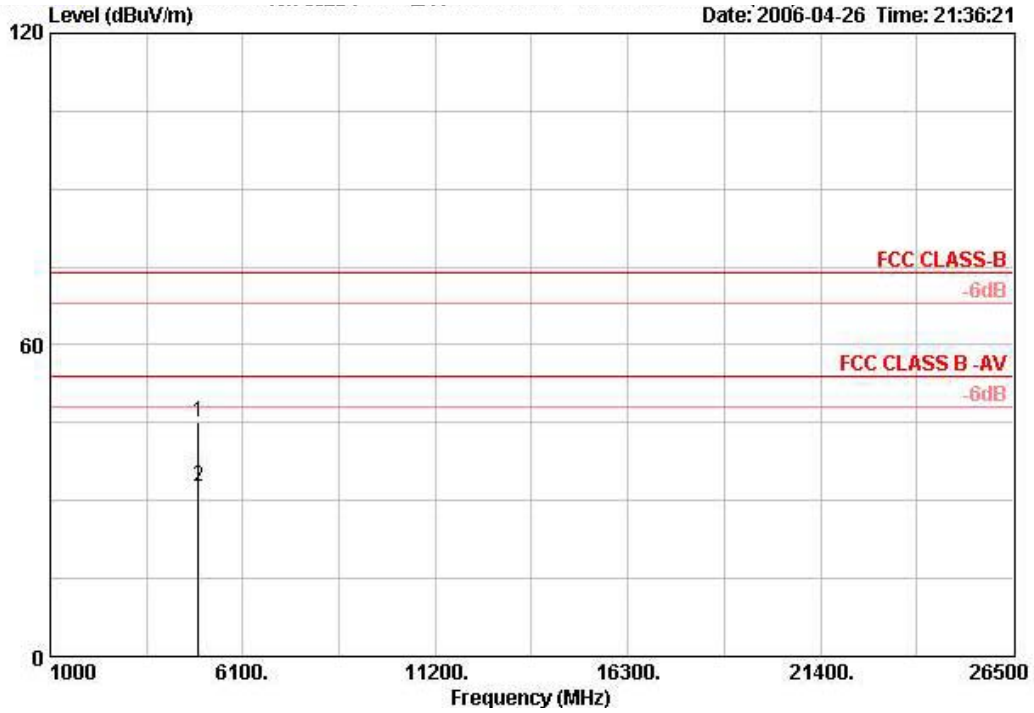
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 11 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4924.040	48.11	-25.89	74.00	46.02	32.93	4.30	35.14	PEAK	VERTICAL	3
2	4924.052	41.44	-12.56	54.00	39.35	32.93	4.30	35.14	AVERAGE	VERTICAL	3

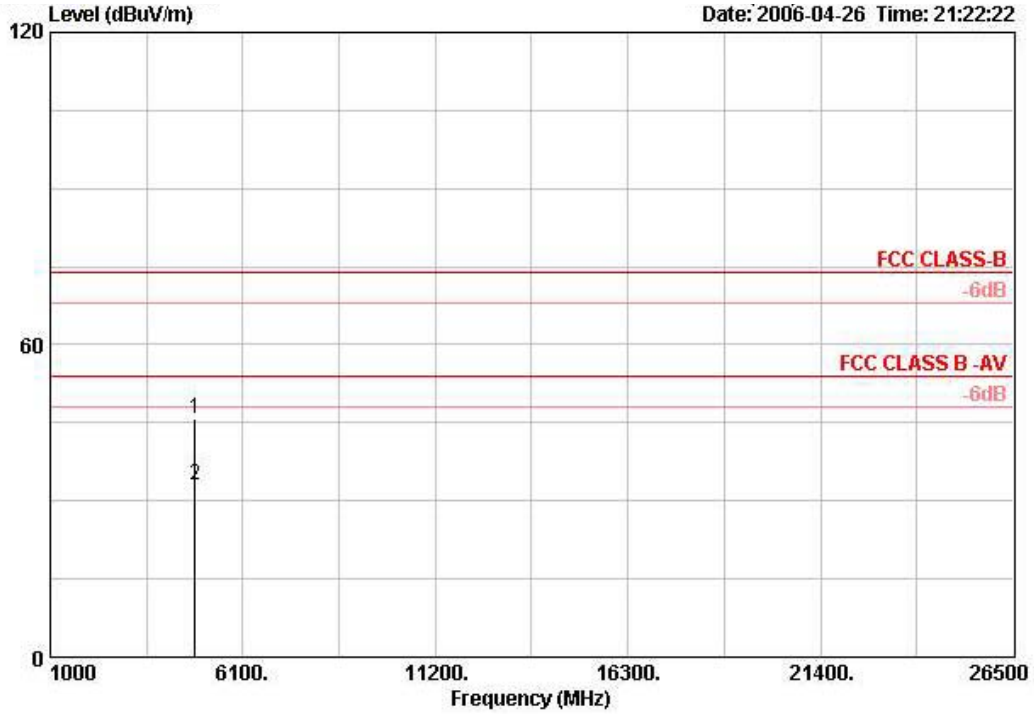
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4924.050	45.10	-28.90	74.00	43.01	32.93	4.30	35.14	PEAK	HORIZONTAL	3
2	4924.352	32.57	-21.43	54.00	30.48	32.93	4.30	35.14	AVERAGE	HORIZONTAL	3

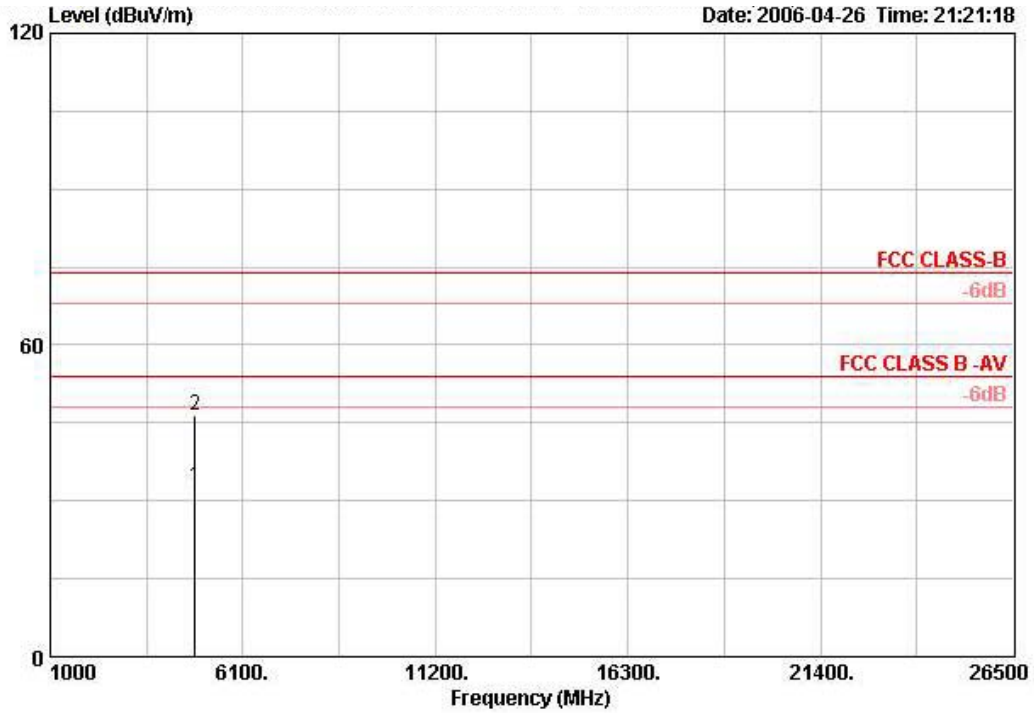
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4823.000	45.81	-28.19	74.00	43.84	32.83	4.30	35.16	PEAK	VERTICAL	3
2	4824.770	33.06	-20.94	54.00	31.10	32.83	4.30	35.16	AVERAGE	VERTICAL	3

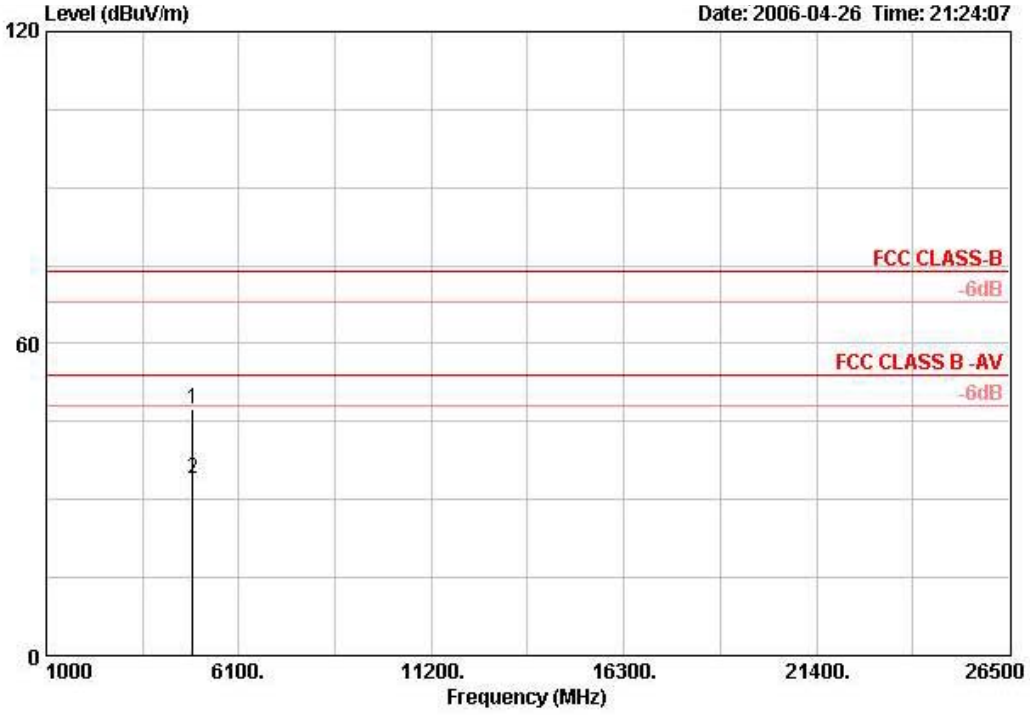
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4823.490	32.82	-21.18	54.00	30.86	32.83	4.30	35.16	AVERAGE	HORIZONTAL	3
2	4826.140	46.45	-27.55	74.00	44.48	32.83	4.30	35.16	PEAK	HORIZONTAL	3

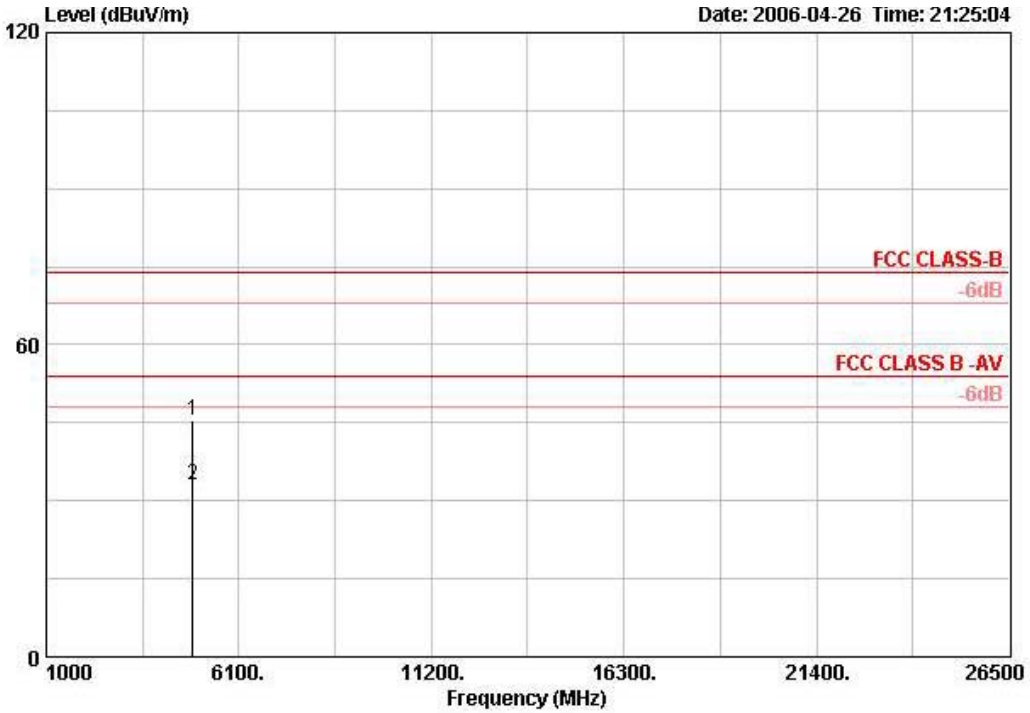
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4873.798	47.57	-26.43	74.00	45.55	32.88	4.30	35.15	PEAK	VERTICAL	3
2	4873.856	34.13	-19.87	54.00	32.10	32.88	4.30	35.15	AVERAGE	VERTICAL	3

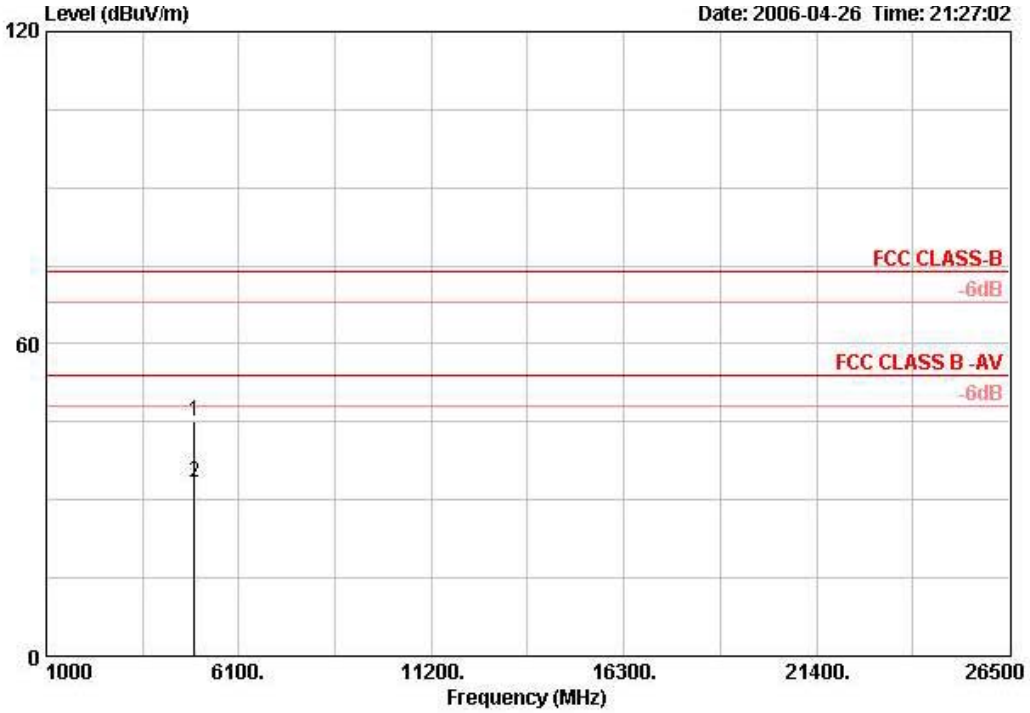
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4873.918	45.37	-28.63	74.00	43.34	32.88	4.30	35.15	PEAK	HORIZONTAL	3
2	4874.422	32.88	-21.12	54.00	30.86	32.88	4.30	35.15	AVERAGE	HORIZONTAL	3

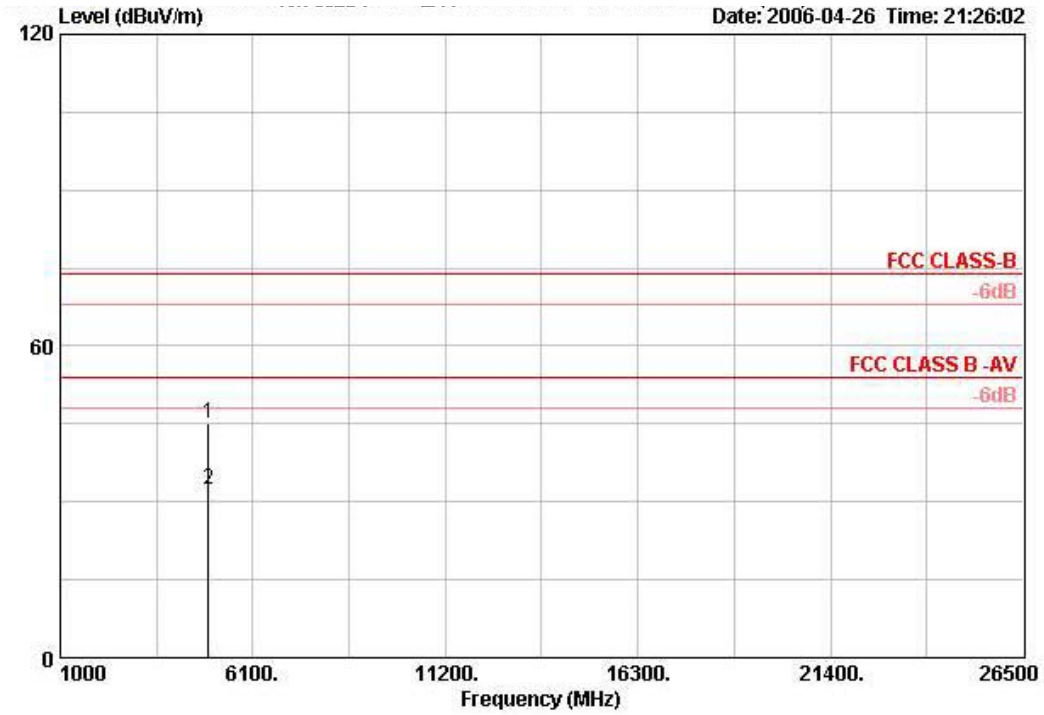
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 11 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4924.210	45.06	-28.94	74.00	42.97	32.93	4.30	35.14	PEAK	VERTICAL	3
2	4924.372	33.29	-20.71	54.00	31.20	32.93	4.30	35.14	AVERAGE	VERTICAL	3

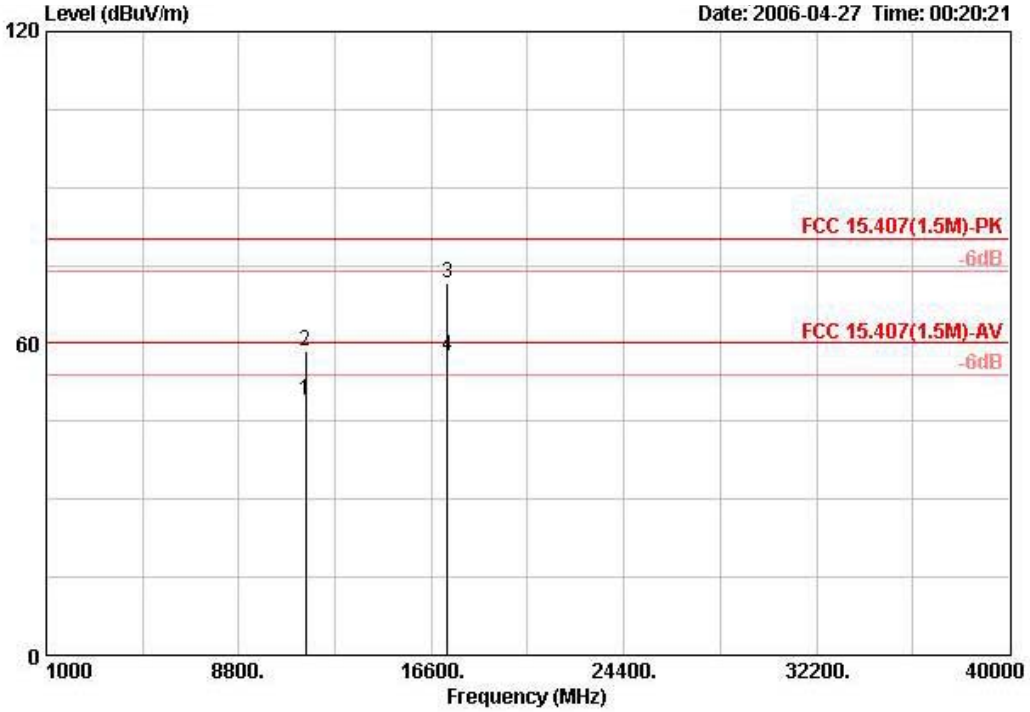
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4923.720	45.06	-28.94	74.00	42.98	32.93	4.30	35.14	PEAK	HORIZONTAL	3
2	4924.460	32.47	-21.53	54.00	30.38	32.93	4.30	35.14	AVERAGE	HORIZONTAL	3

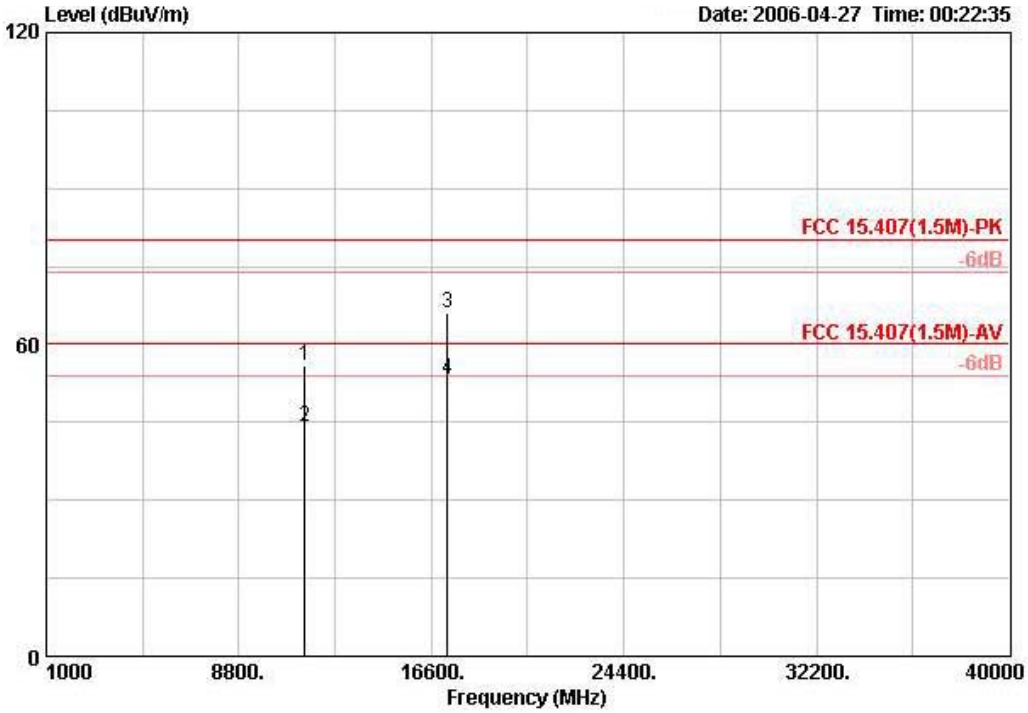
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 149 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11491.400	49.07	-10.93	60.00	37.71	38.69	7.65	34.98	AVERAGE	VERTICAL	3
2	11491.400	58.51	-21.49	80.00	47.15	38.69	7.65	34.98	PEAK	VERTICAL	3
3	17234.480	71.60	-8.40	80.00	55.19	42.47	8.87	34.92	PEAK	VERTICAL	3
4 !	17235.300	57.66	-2.34	60.00	41.25	42.47	8.87	34.92	AVERAGE	VERTICAL	3

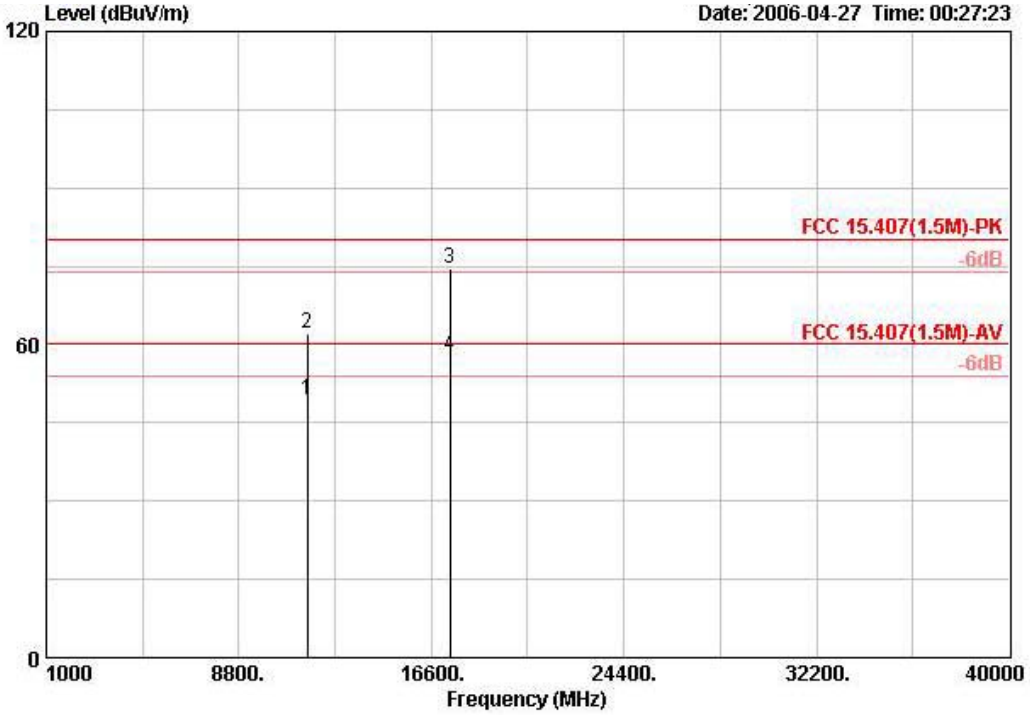
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11486.600	55.84	-24.16	80.00	44.48	38.69	7.66	34.98	PEAK	HORIZONTAL	3
2	11488.700	44.03	-15.97	60.00	32.67	38.69	7.66	34.98	AVERAGE	HORIZONTAL	3
3	17233.720	66.07	-13.93	80.00	49.65	42.47	8.87	34.92	PEAK	HORIZONTAL	3
4	17235.100	53.36	-6.64	60.00	36.95	42.47	8.87	34.92	AVERAGE	HORIZONTAL	3

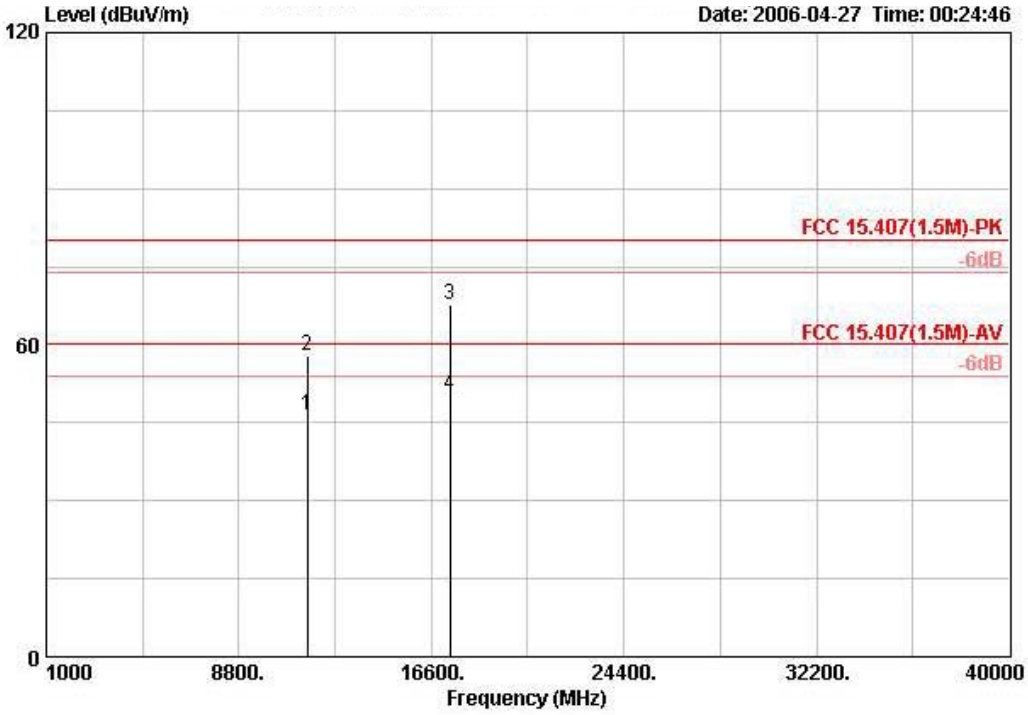
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11569.240	49.51	-10.49	60.00	38.03	38.81	7.67	35.00	AVERAGE	VERTICAL	3
2	11571.400	62.24	-17.76	80.00	50.77	38.81	7.67	35.00	PEAK	VERTICAL	3
3 !	17350.820	74.49	-5.51	80.00	57.53	43.05	8.86	34.96	PEAK	VERTICAL	3
4 !	17353.820	57.88	-2.12	60.00	40.92	43.05	8.86	34.96	AVERAGE	VERTICAL	3

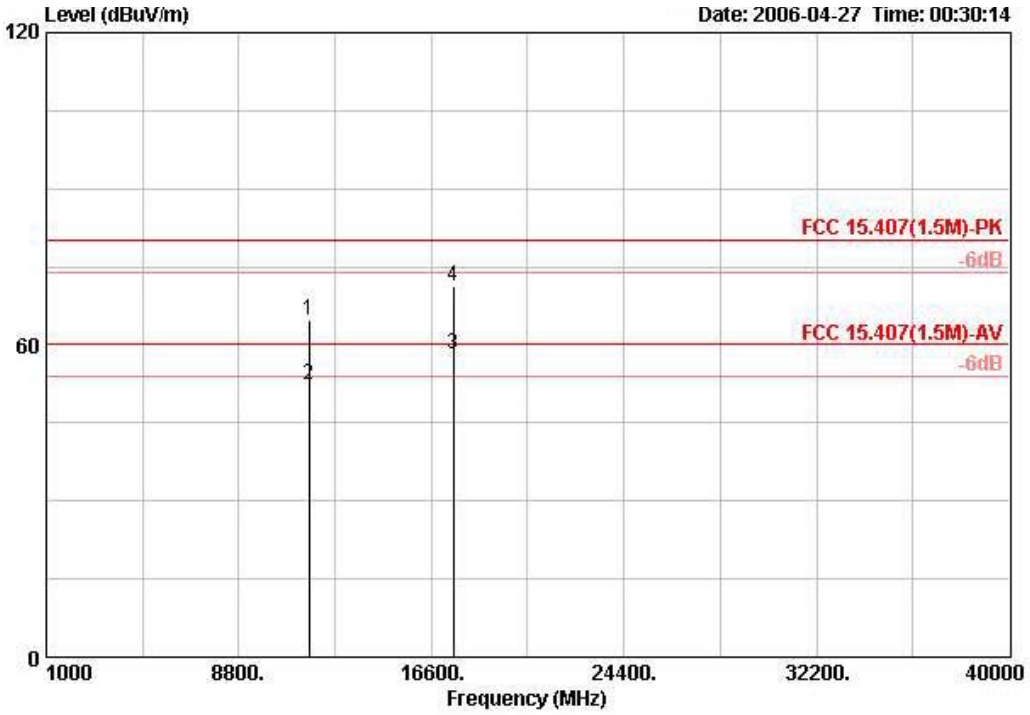
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11567.780	46.48	-13.52	60.00	35.01	38.81	7.66	35.00	AVERAGE	HORIZONTAL	3
2	11568.420	58.04	-21.96	80.00	46.56	38.81	7.67	35.00	PEAK	HORIZONTAL	3
3	17352.500	67.82	-12.18	80.00	50.86	43.05	8.86	34.96	PEAK	HORIZONTAL	3
4	17355.040	50.21	-9.79	60.00	33.25	43.05	8.86	34.96	AVERAGE	HORIZONTAL	3

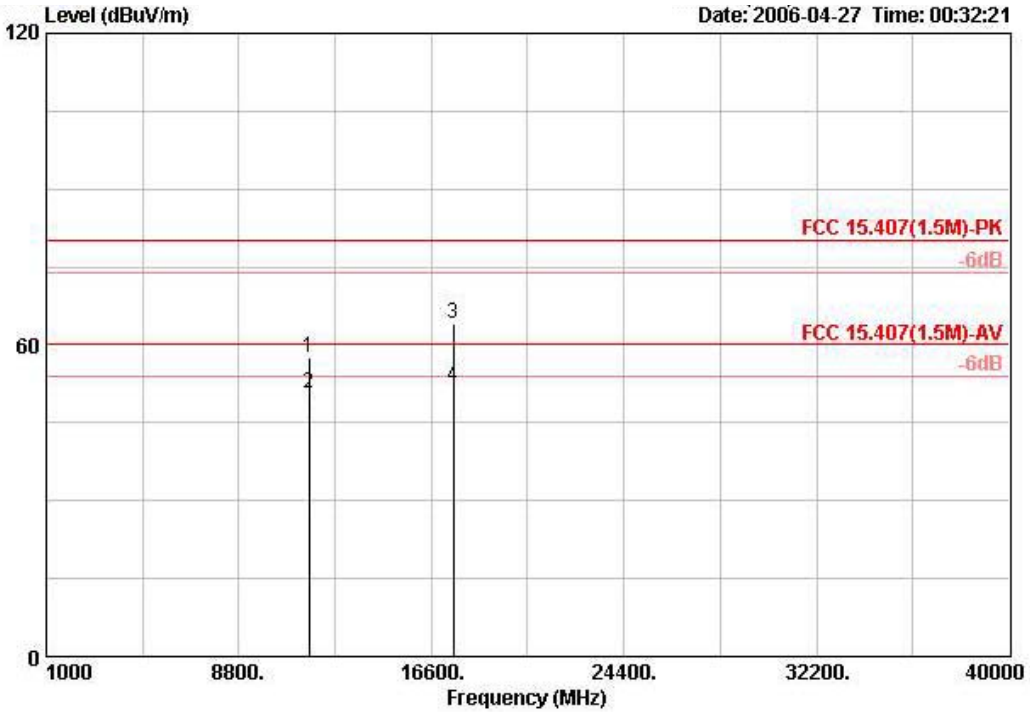
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 165 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11650.620	64.81	-15.19	80.00	53.18	38.95	7.69	35.01	PEAK	VERTICAL	3
2	11650.680	52.39	-7.61	60.00	40.77	38.95	7.69	35.01	AVERAGE	VERTICAL	3
3 !	17474.060	58.27	-1.73	60.00	40.79	43.63	8.85	35.00	AVERAGE	VERTICAL	3
4	17474.060	71.22	-8.78	80.00	53.74	43.63	8.85	35.00	PEAK	VERTICAL	3

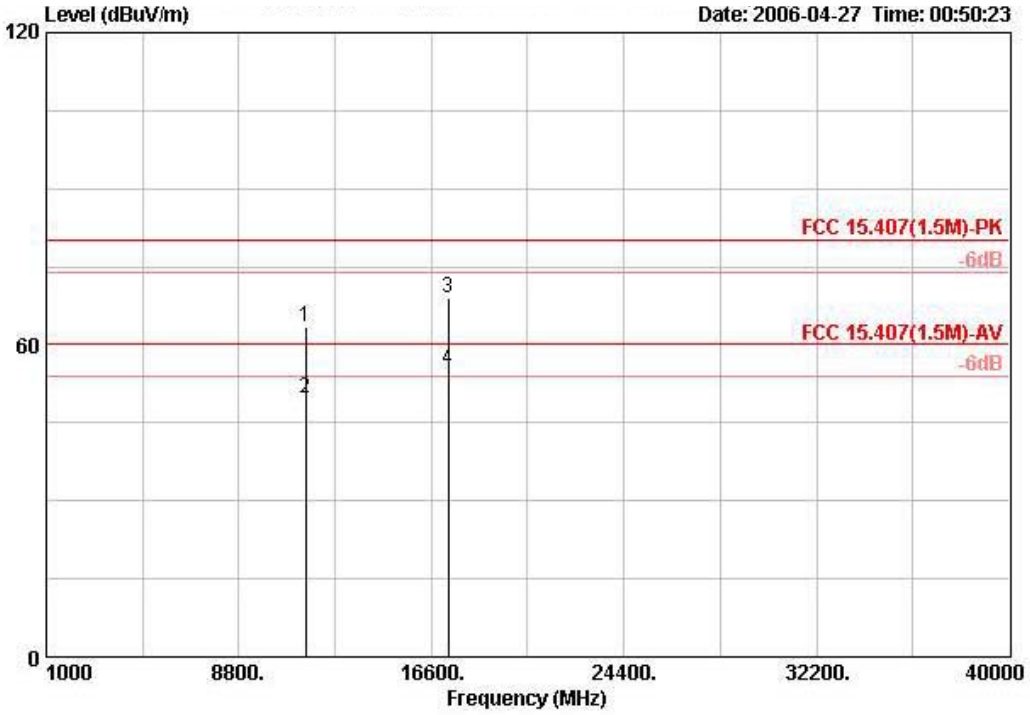
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 !	11652.000	57.69	-2.31	60.00	46.07	38.95	7.69	35.01	AVERAGE	HORIZONTAL	3
2	11652.000	50.77	-29.23	80.00	39.15	38.95	7.69	35.01	PEAK	HORIZONTAL	3
3	17474.060	63.98	-16.02	80.00	46.50	43.63	8.85	35.00	PEAK	HORIZONTAL	3
4	17474.060	51.98	-8.02	60.00	34.50	43.63	8.85	35.00	AVERAGE	HORIZONTAL	3

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 152 / Ant. 6

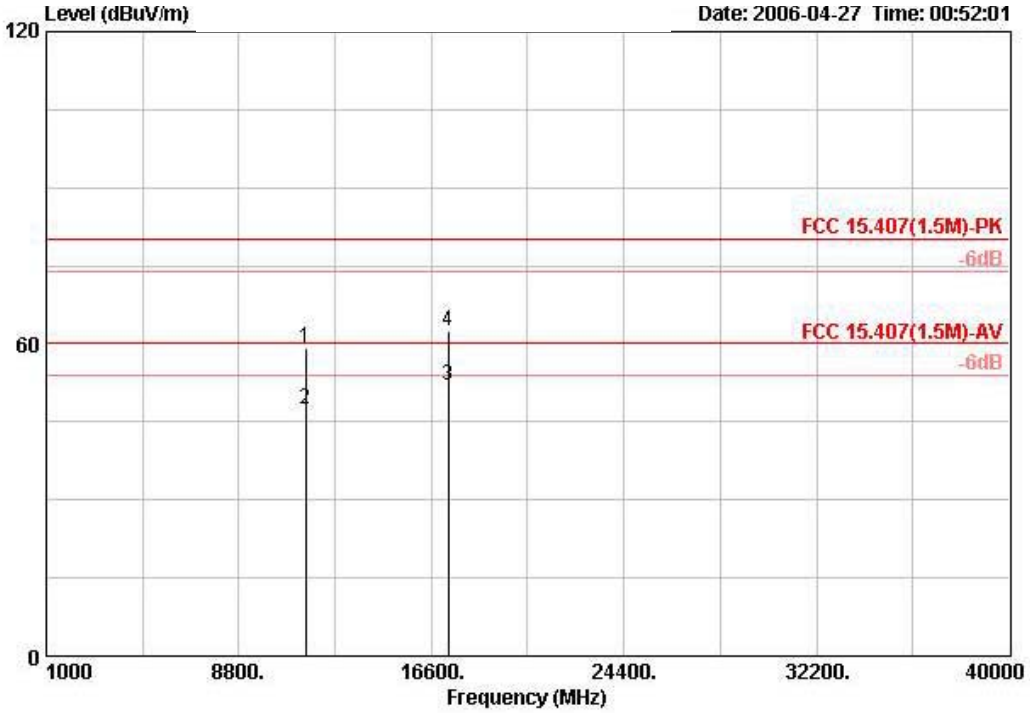
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11515.280	63.49	-16.51	80.00	52.11	38.73	7.65	35.00	PEAK	VERTICAL	3
2	11516.580	49.68	-10.32	60.00	38.30	38.73	7.65	35.00	AVERAGE	VERTICAL	3
4 !	17281.960	55.36			38.71	42.72	8.87	34.94	AVERAGE	VERTICAL	3

Note: Item 4 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission. (119.43dBuV/m)

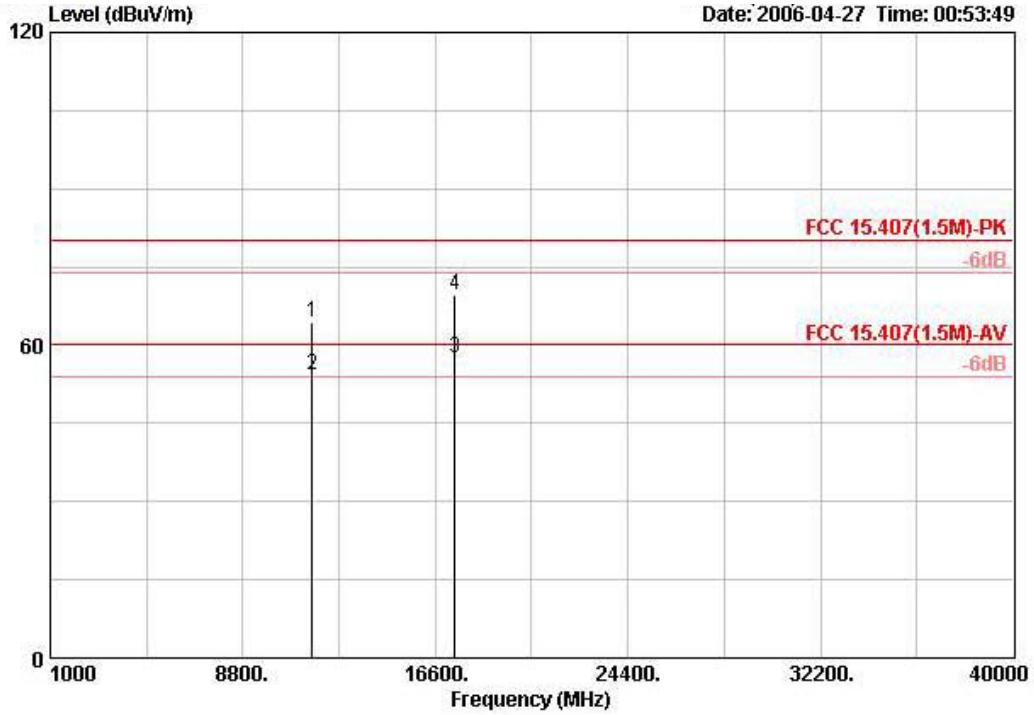
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11517.600	59.25	-20.75	80.00	47.87	38.73	7.65	35.00	PEAK	HORIZONTAL	3
2	11517.600	47.41	-12.59	60.00	36.03	38.73	7.65	35.00	AVERAGE	HORIZONTAL	3
3	17281.520	52.06	-7.94	60.00	35.41	42.72	8.87	34.93	AVERAGE	HORIZONTAL	3
4	17281.520	62.49	-17.51	80.00	45.83	42.72	8.87	34.93	PEAK	HORIZONTAL	3

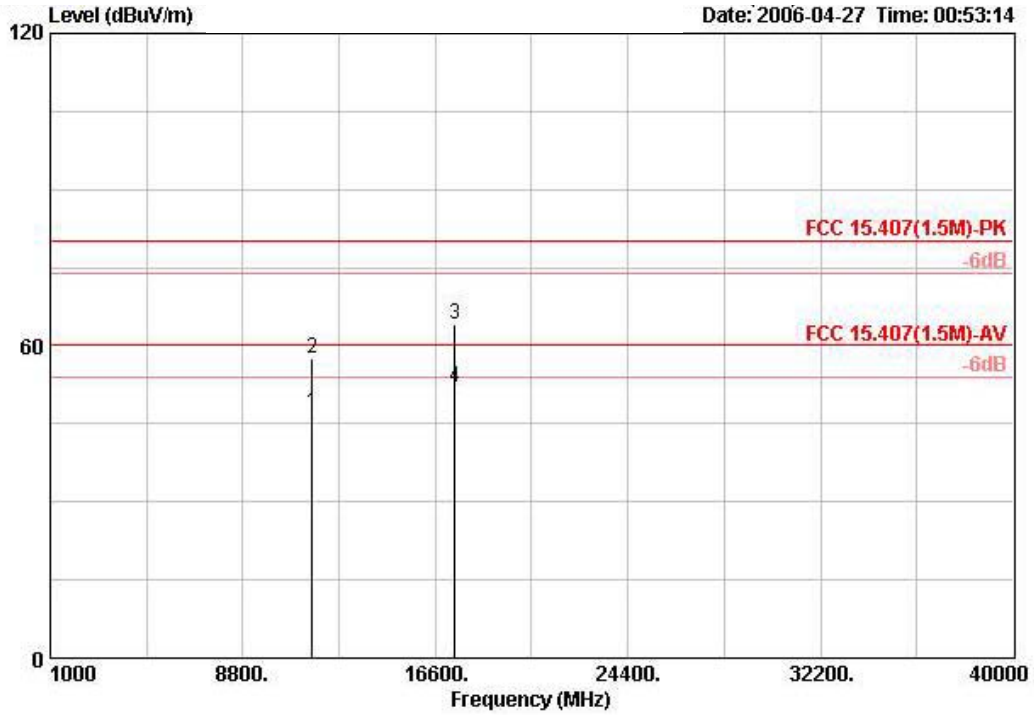
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 160 / Ant. 6

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11599.860	64.31	-15.69	80.00	52.78	38.87	7.67	35.01	PEAK	VERTICAL	3
2 !	11599.860	54.40	-5.60	60.00	42.87	38.87	7.67	35.01	AVERAGE	VERTICAL	3
3 !	17397.260	57.51	-2.49	60.00	40.32	43.30	8.86	34.97	AVERAGE	VERTICAL	3
4	17397.260	69.51	-10.49	80.00	52.32	43.30	8.86	34.97	PEAK	VERTICAL	3

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11603.140	46.99	-13.01	60.00	35.46	38.87	7.67	35.01	AVERAGE	HORIZONTAL	3
2	11603.140	57.59	-22.41	80.00	46.06	38.87	7.67	35.01	PEAK	HORIZONTAL	3
3	17397.260	64.10	-15.90	80.00	46.92	43.30	8.86	34.97	PEAK	HORIZONTAL	3
4	17397.260	52.09	-7.91	60.00	34.90	43.30	8.86	34.97	AVERAGE	HORIZONTAL	3

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.

4.6. 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 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 (other emission)	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.

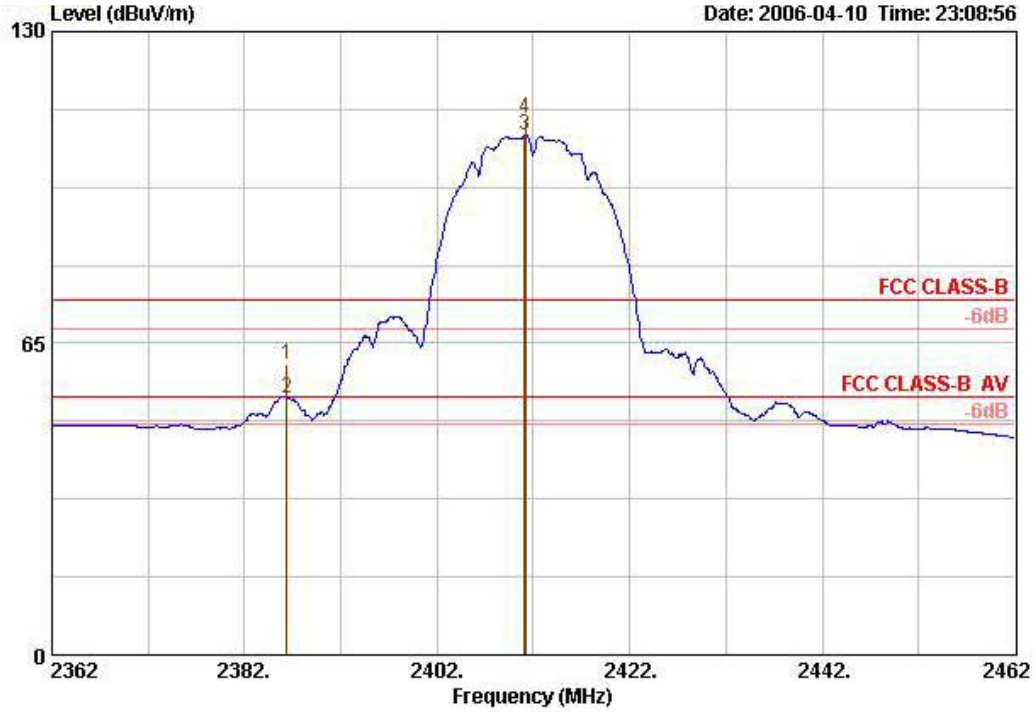
4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 1

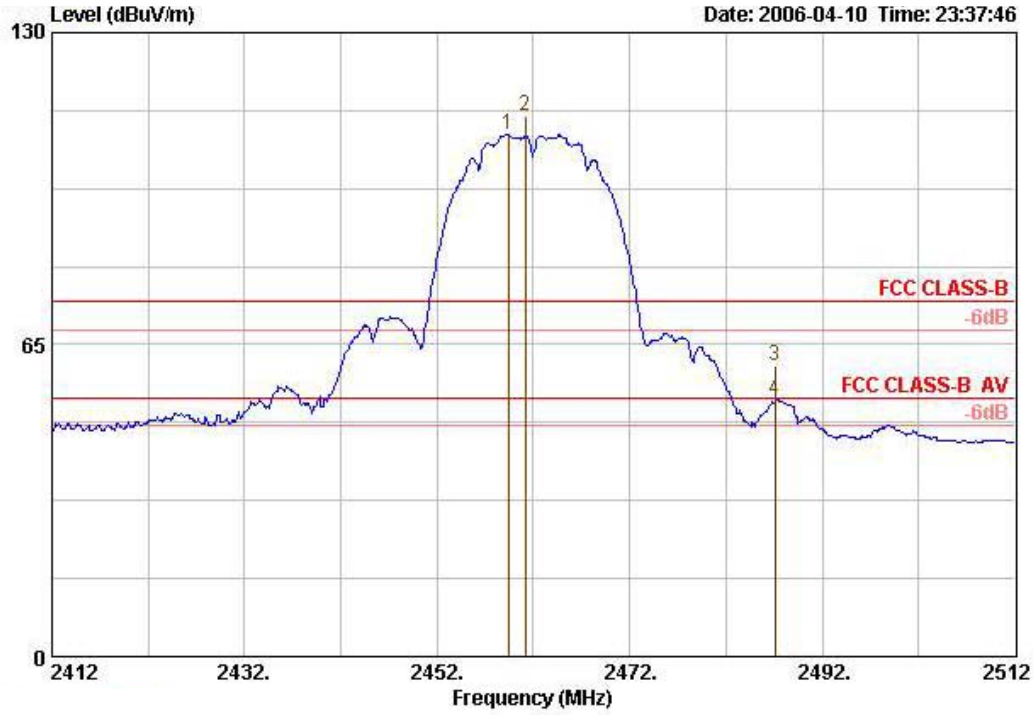
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2386.400	60.40	-13.60	74.00	28.13	2.58	0.00	29.69	PEAK	100	186
2 @	2386.400	53.34	-0.66	54.00	28.13	2.58	0.00	22.63	AVERAGE	100	186
3 @	2411.100	108.24			28.18	2.58	0.00	77.49	Average	---	---
4 @	2411.200	111.94			28.18	2.58	0.00	81.19	PEAK	100	186

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

Channel 11

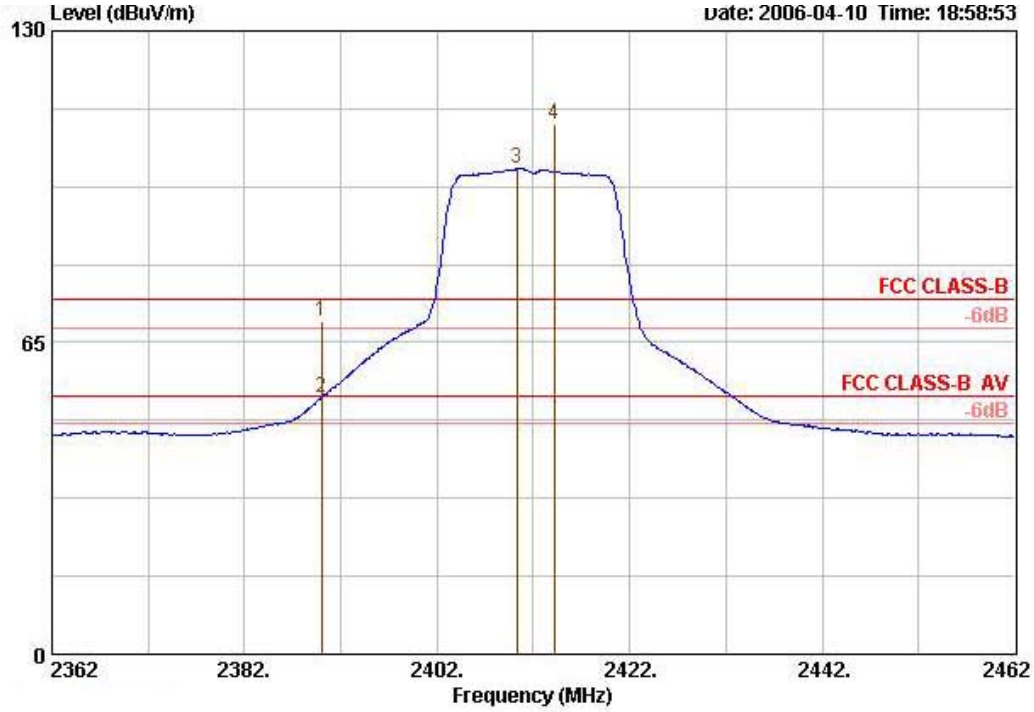


	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2459.400	108.68			28.31	2.60	0.00	77.77	Average	---	---
2 @	2461.200	112.69			28.31	2.60	0.00	81.78	PEAK	100	236
3 @	2487.100	60.67	-13.33	74.00	28.36	2.62	0.00	29.69	PEAK	100	236
4 @	2487.100	53.41	-0.59	54.00	28.36	2.62	0.00	22.43	Average	---	---

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 1

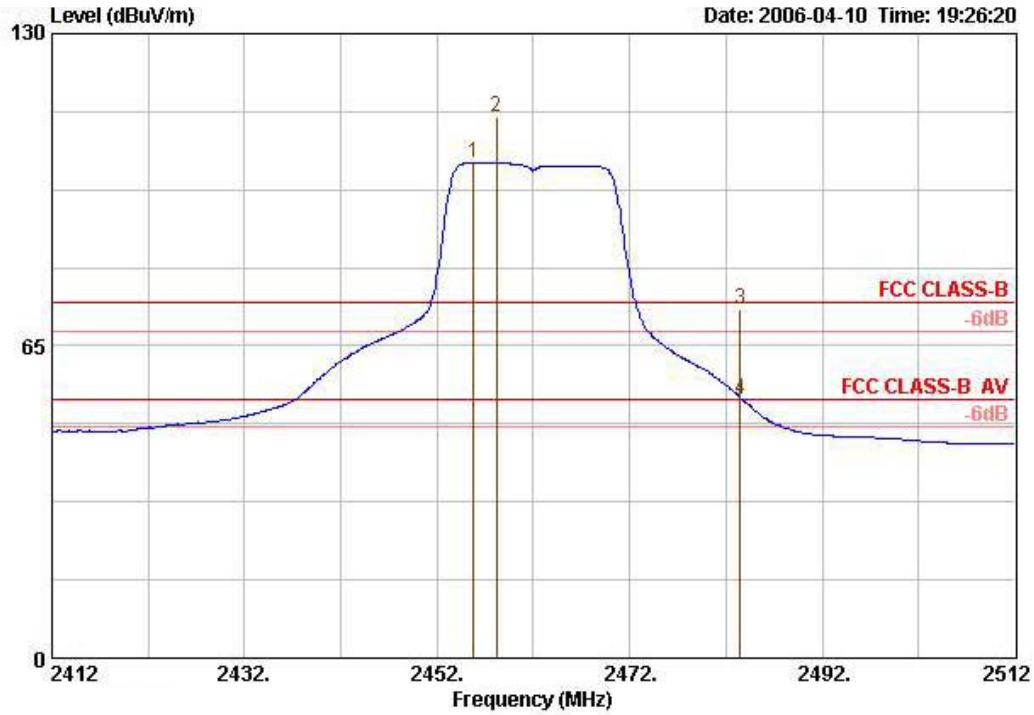
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2390.000	69.60	-4.40	74.00	28.13	2.58	0.00	38.89	PEAK	116	244
2 @	2390.000	53.39	-0.61	54.00	28.13	2.58	0.00	22.68	AVERAGE	116	244
3 @	2410.300	101.22			28.18	2.58	0.00	70.47	Average	---	---
4 @	2414.200	110.64			28.18	2.58	0.00	79.89	PEAK	116	244

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

Channel 11



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2455.800	103.23			28.31	2.60	0.00	72.33	Average	---	---
2 @	2458.200	112.69			28.31	2.60	0.00	81.78	PEAK	109	248
3 @	2483.500	72.76	-1.24	74.00	28.36	2.62	0.00	41.79	PEAK	109	248
4 @	2483.500	53.86	-0.14	54.00	28.36	2.62	0.00	22.88	AVERAGE	109	248

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

Note:

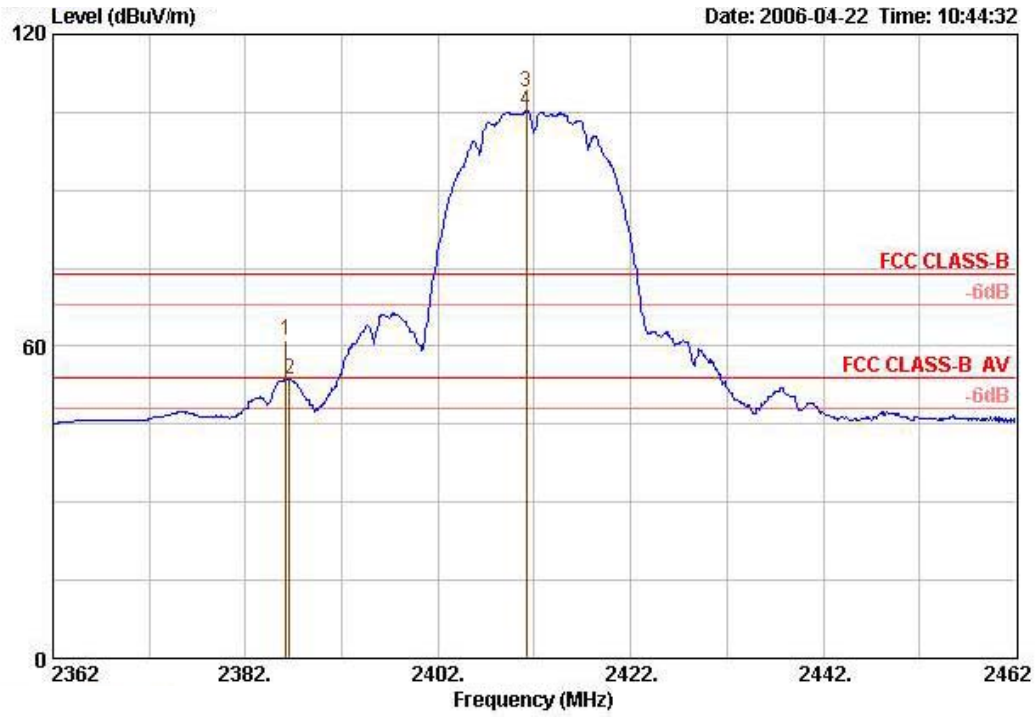
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization.

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 2

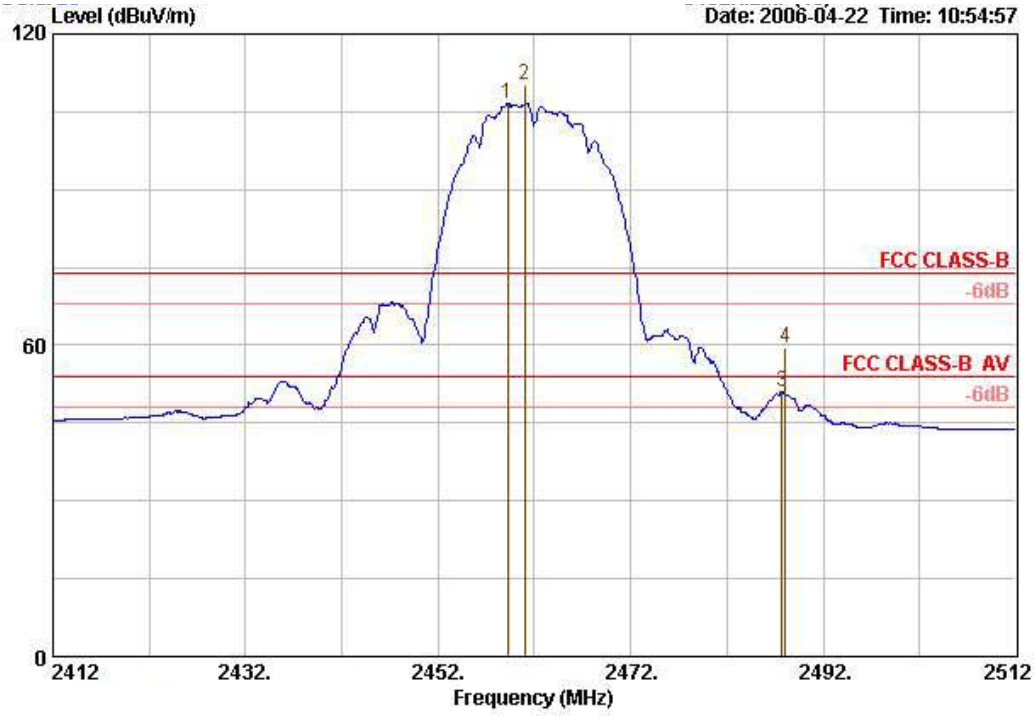
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2386.200	61.17	-12.83	74.00	28.13	2.58	0.00	30.47	PEAK	134	332
2 !	2386.600	53.70	-0.30	54.00	28.13	2.58	0.00	23.00	AVERAGE	134	332
3	2411.200	108.94			28.18	2.58	0.00	78.19	PEAK	134	332
4	2411.200	105.16			28.18	2.58	0.00	74.40	AVERAGE	134	332

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

Channel 11

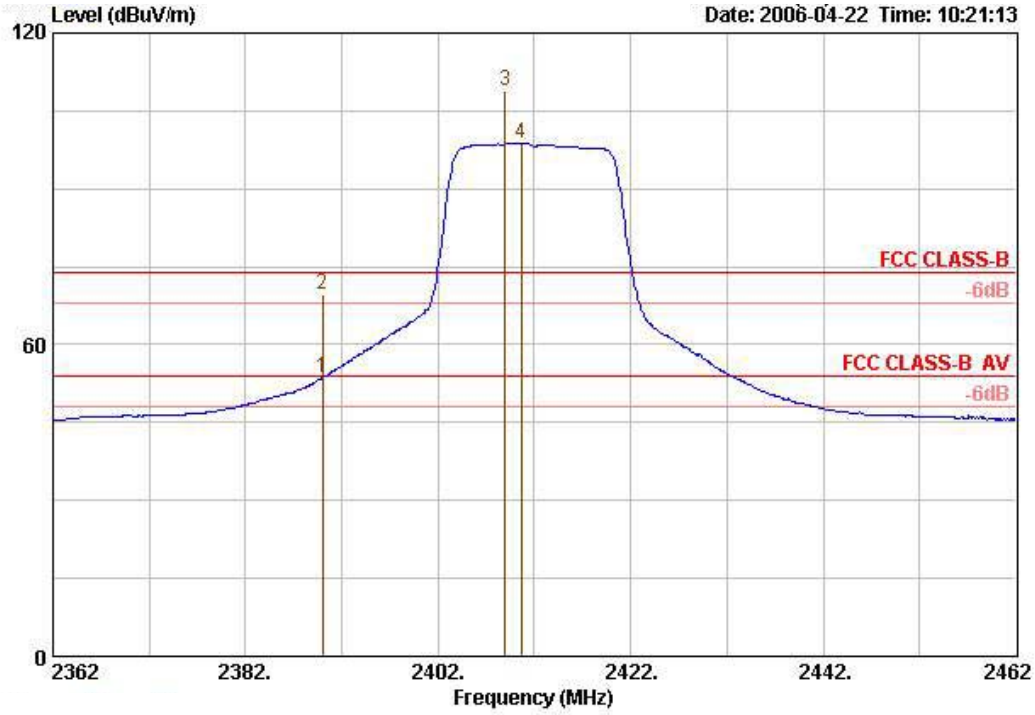


	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2459.200	106.48			28.31	2.60	0.00	75.57	AVERAGE	145	6
2	2461.000	110.26			28.31	2.60	0.00	79.35	PEAK	145	6
3 '	2487.700	50.97	-3.03	54.00	28.40	2.62	0.00	19.95	AVERAGE	145	6
4	2488.100	59.57	-14.43	74.00	28.40	2.62	0.00	28.55	PEAK	145	6

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 2

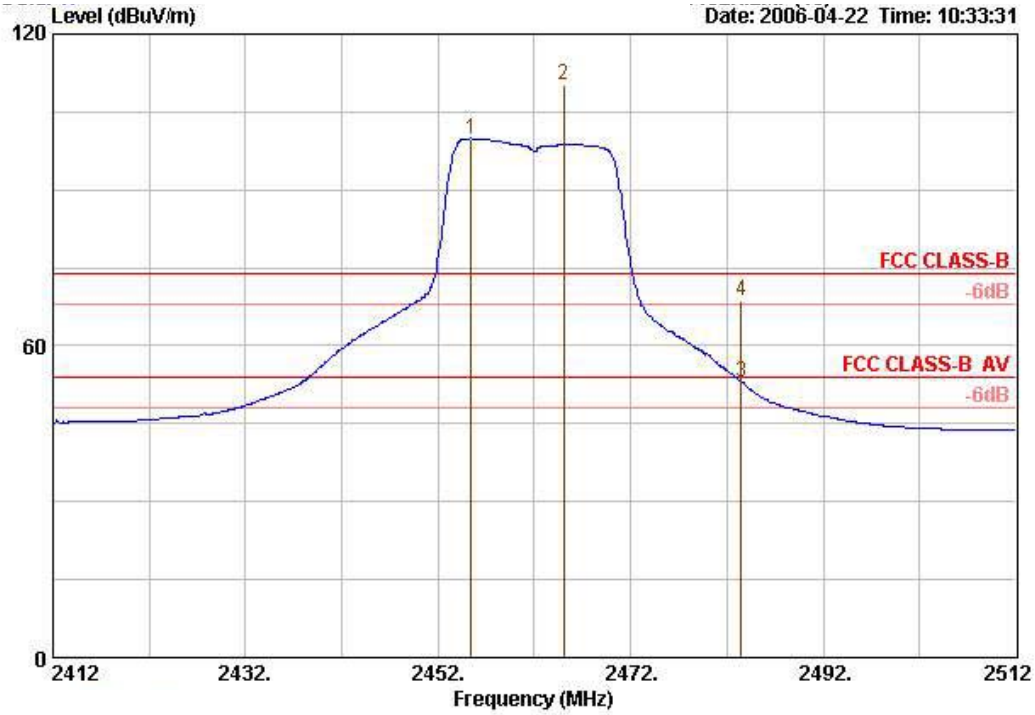
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 !	2390.000	53.55	-0.45	54.00	28.13	2.58	0.00	22.84	AVERAGE	100	338
2 !	2390.000	69.74	-4.26	74.00	28.13	2.58	0.00	39.04	PEAK	100	338
3	2409.000	108.99			28.18	2.58	0.00	78.23	PEAK	100	338
4	2410.600	98.71			28.18	2.58	0.00	67.96	AVERAGE	100	338

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

Channel 11



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2455.400	99.88			28.31	2.60	0.00	68.97	AVERAGE	100	339
2	2465.000	110.34			28.31	2.62	0.00	79.41	PEAK	100	339
3 '	2483.500	52.86	-1.14	54.00	28.36	2.62	0.00	21.88	AVERAGE	100	339
4 .	2483.500	68.55	-5.45	74.00	28.36	2.62	0.00	37.58	PEAK	100	339

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

Note:

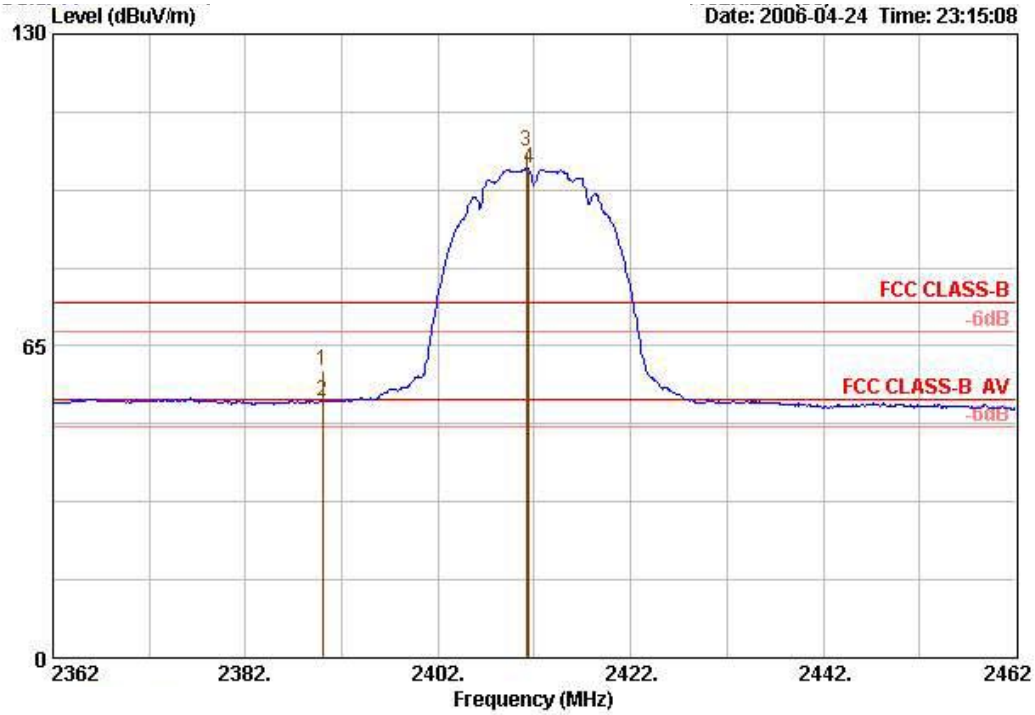
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization.

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 3

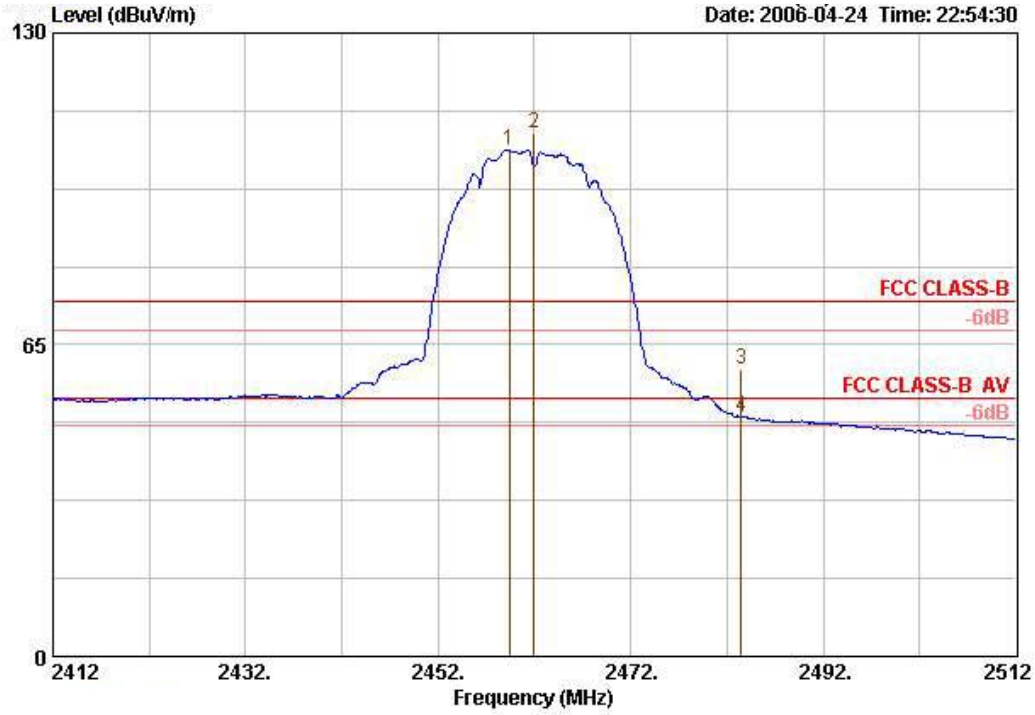
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2390.000	60.00	-14.00	74.00	28.13	2.58	0.00	29.30	PEAK	100	0
2 !	2390.000	53.43	-0.57	54.00	28.13	2.58	0.00	22.72	AVERAGE	100	0
3 @	2411.200	105.62			28.18	2.58	0.00	74.87	PEAK	100	0
4 @	2411.400	101.90			28.18	2.58	0.00	71.15	Average	---	---

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

Channel 11

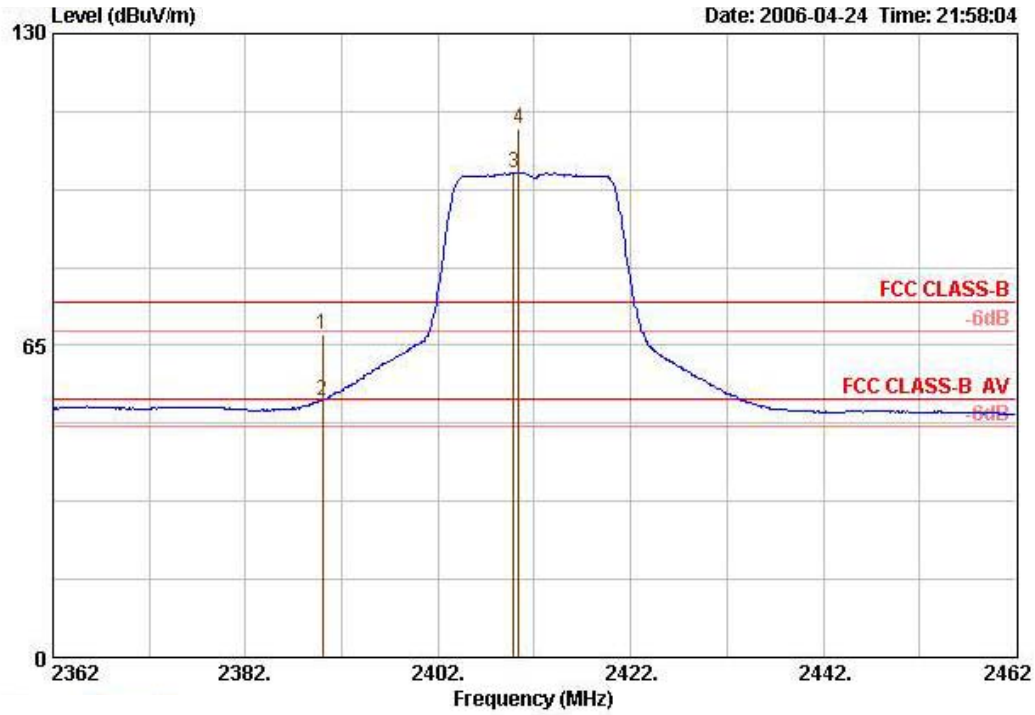


	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2459.400	105.54			28.31	2.60	0.00	74.63	Average	---	---
2 @	2462.000	109.18			28.31	2.60	0.00	78.27	PEAK	100	0
3	2483.500	59.87	-14.13	74.00	28.36	2.62	0.00	28.89	PEAK	100	0
4 !	2483.500	49.88	-4.12	54.00	28.36	2.62	0.00	18.90	AVERAGE	100	0

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 3

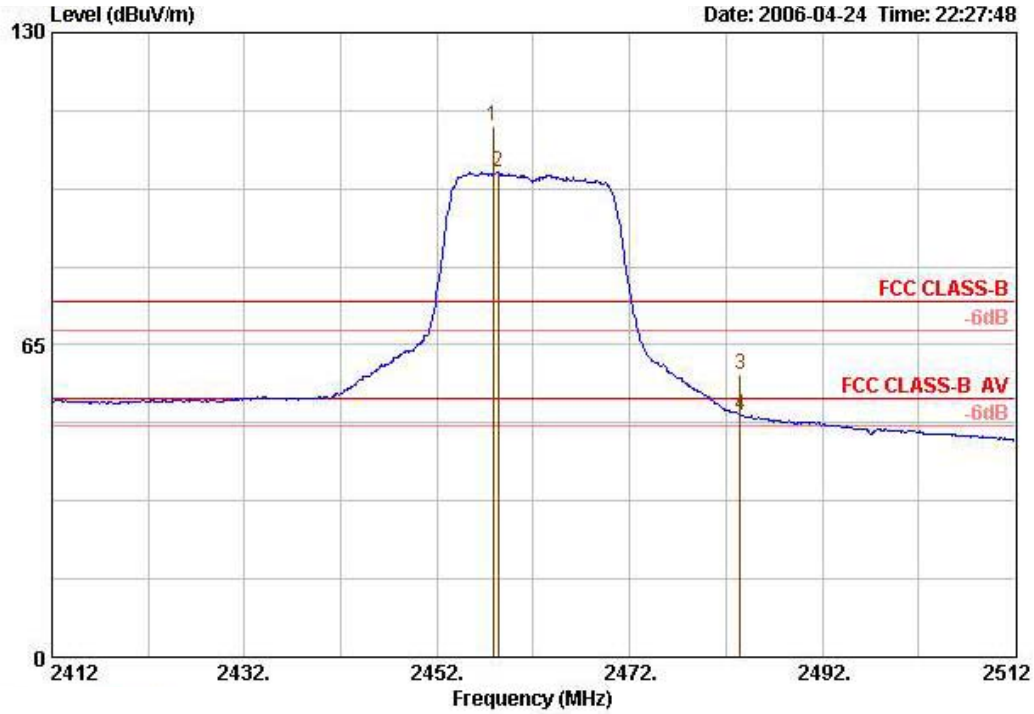
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2390.000	67.42	-6.58	74.00	28.13	2.58	0.00	36.71	PEAK	100	0
2 !	2390.000	53.62	-0.38	54.00	28.13	2.58	0.00	22.91	AVERAGE	100	0
3 @	2409.800	100.94			28.18	2.58	0.00	70.19	Average	---	---
4 @	2410.400	110.13			28.18	2.58	0.00	79.38	PEAK	100	0

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

Channel 11



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2457.800	110.51			28.31	2.60	0.00	79.60	PEAK	100	0
2 @	2458.300	101.06			28.31	2.60	0.00	70.15	Average	---	---
3	2483.500	58.90	-15.10	74.00	28.36	2.62	0.00	27.93	PEAK	100	0
4 !	2483.500	50.19	-3.81	54.00	28.36	2.62	0.00	19.21	AVERAGE	100	0

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

Note:

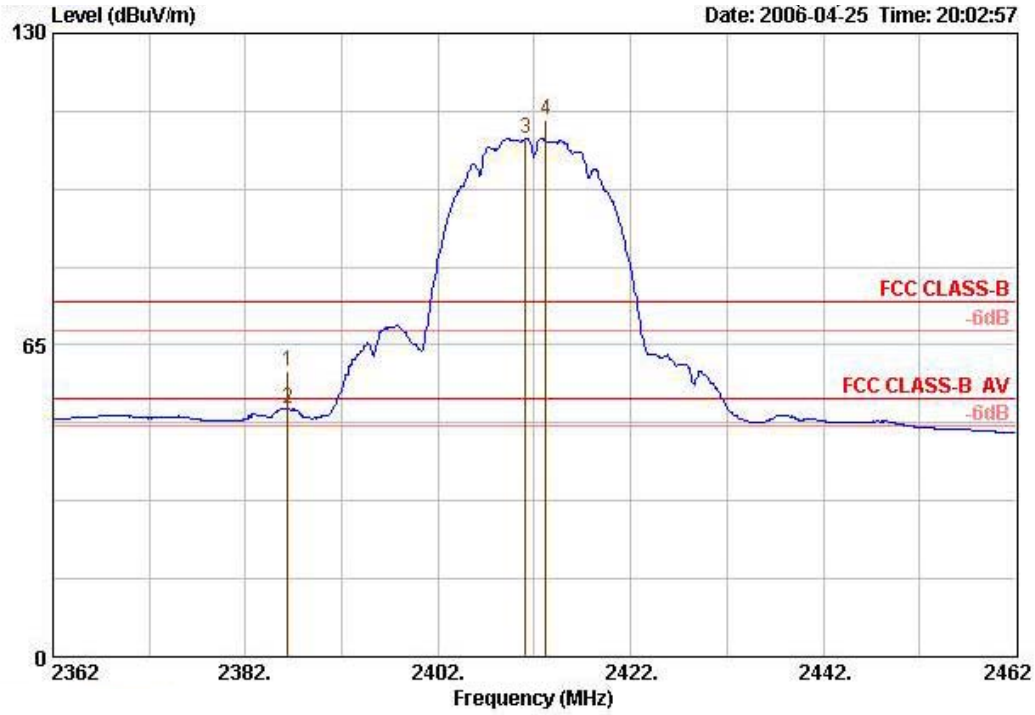
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization.

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 4

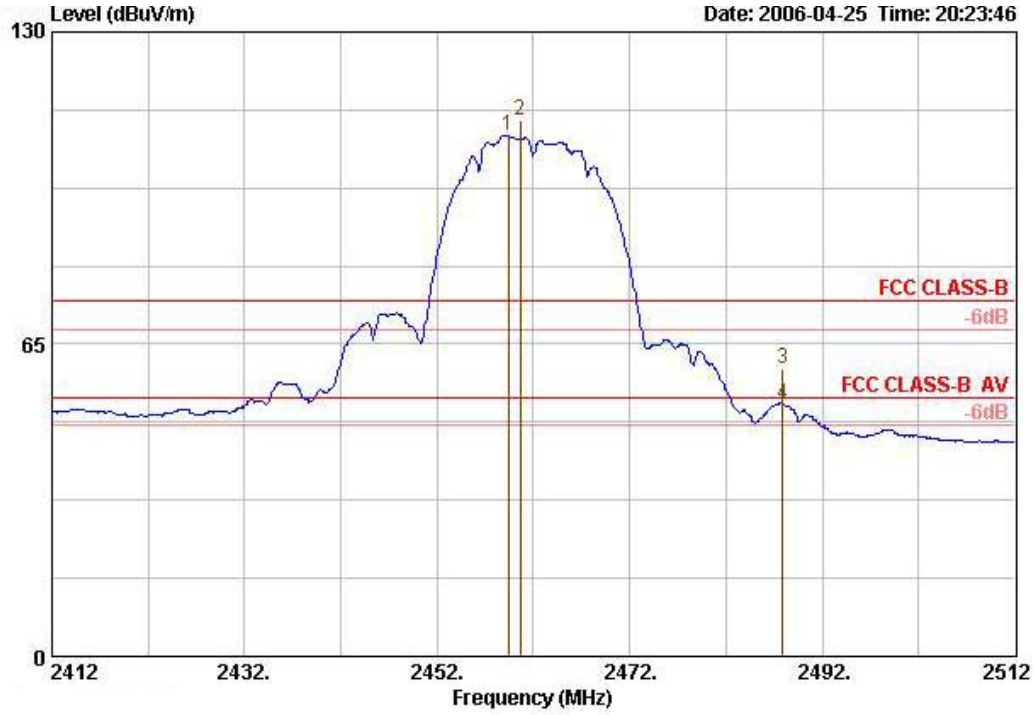
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2386.400	59.54	-14.46	74.00	28.13	2.58	0.00	28.83	PEAK	100	199
2 !	2386.400	51.67	-2.33	54.00	28.13	2.58	0.00	20.96	AVERAGE	100	199
3 @	2411.100	108.16			28.18	2.58	0.00	77.41	Average	---	---
4 @	2413.200	111.98			28.18	2.58	0.00	81.22	PEAK	100	199

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

Channel 11

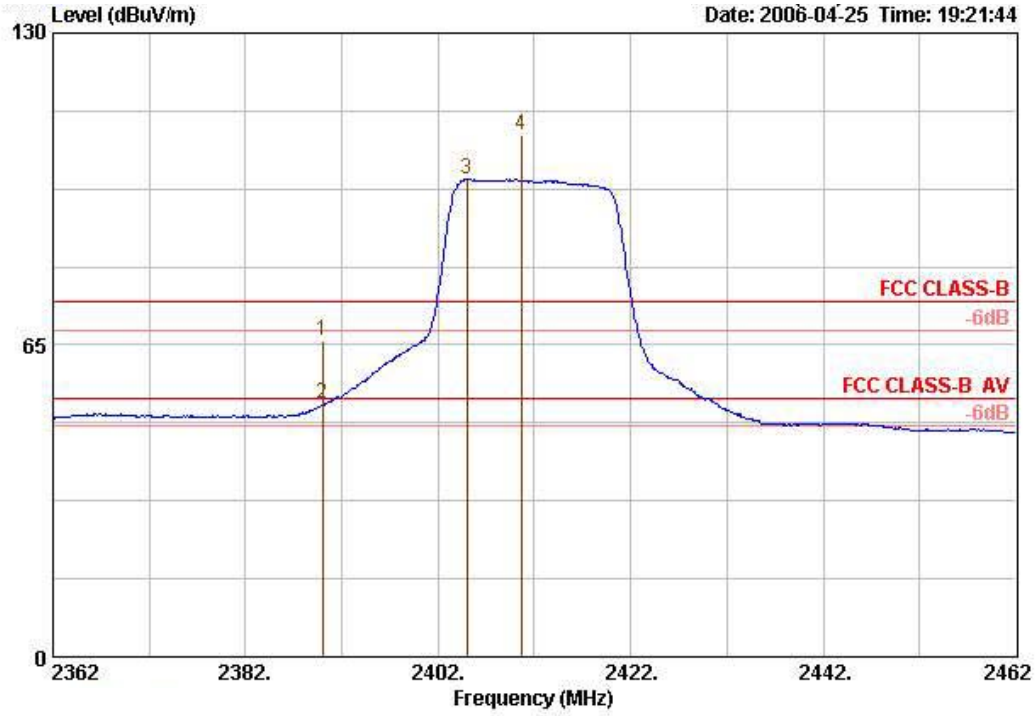


	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2459.400	108.53			28.31	2.60	0.00	77.62	Average	---	---
2 @	2460.600	111.70			28.31	2.60	0.00	80.80	PEAK	100	211
3	2487.900	59.77	-14.23	74.00	28.40	2.62	0.00	28.75	PEAK	100	211
4 !	2487.900	52.34	-1.66	54.00	28.40	2.62	0.00	21.32	AVERAGE	100	211

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 4

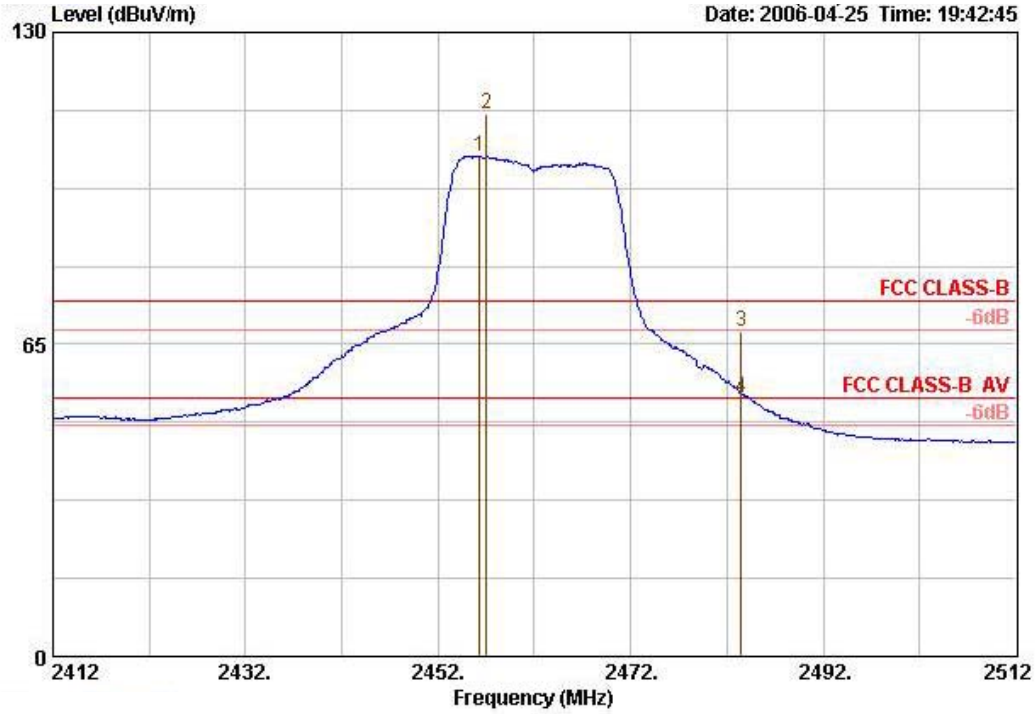
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2390.000	65.91	-8.09	74.00	28.13	2.58	0.00	35.20	PEAK	100	340
2 !	2390.000	52.95	-1.05	54.00	28.13	2.58	0.00	22.24	AVERAGE	100	340
3 @	2405.000	99.63			28.18	2.58	0.00	68.87	Average	---	---
4 @	2410.600	108.57			28.18	2.58	0.00	77.82	PEAK	100	340

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

Channel 11



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2456.300	104.24			28.31	2.60	0.00	73.33	Average	---	---
2 @	2457.000	112.95			28.31	2.60	0.00	82.04	PEAK	101	331
3	2483.500	67.50	-6.50	74.00	28.36	2.62	0.00	36.53	PEAK	101	331
4 !	2483.500	53.85	-0.15	54.00	28.36	2.62	0.00	22.88	AVERAGE	101	331

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

Note:

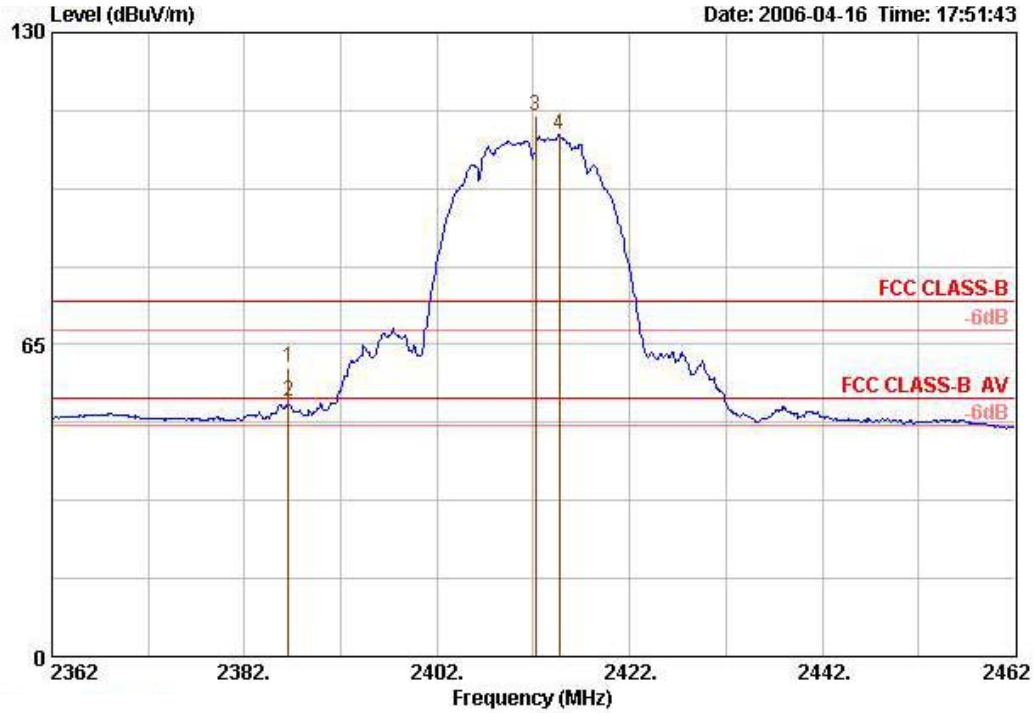
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization.

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 5

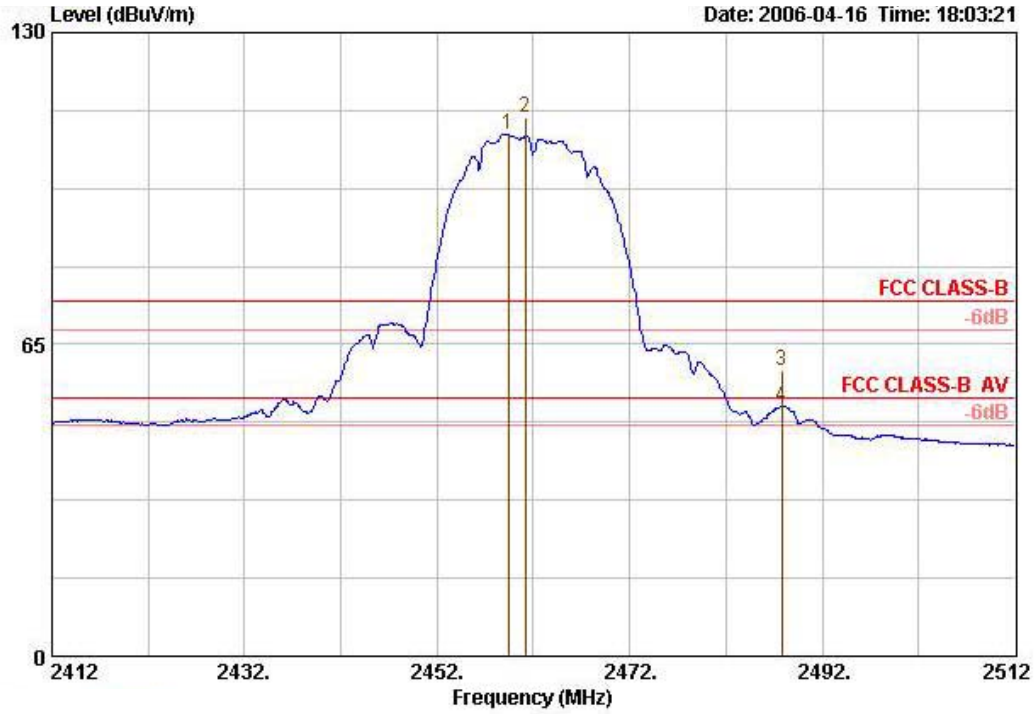
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2386.600	60.26	-13.74	74.00	28.13	2.58	0.00	29.55	PEAK	100	8
2 !	2386.600	53.06	-0.94	54.00	28.13	2.58	0.00	22.35	AVERAGE	100	8
3	2412.200	112.79			28.18	2.58	0.00	82.03	PEAK	100	8
4 @	2414.700	108.86			28.18	2.58	0.00	78.11	Average	---	---

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

Channel 11

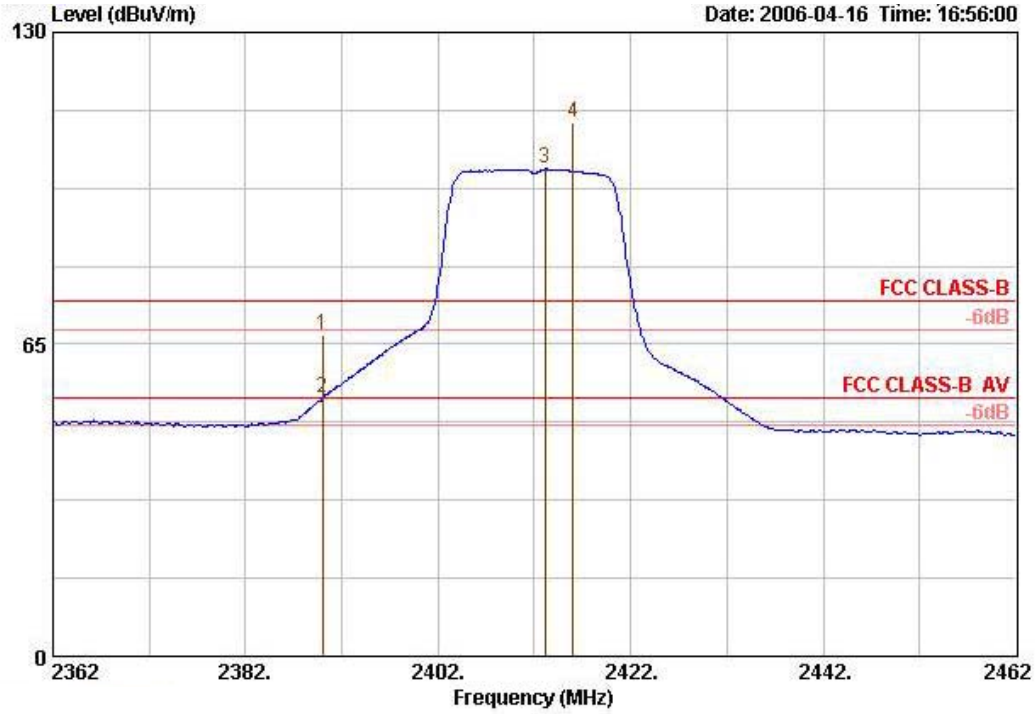


	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2459.400	108.83			28.31	2.60	0.00	77.92	Average	---	---
2	2461.200	112.14			28.31	2.60	0.00	81.23	PEAK	100	7
3	2487.800	59.47	-14.53	74.00	28.40	2.62	0.00	28.45	PEAK	100	7
4 !	2487.800	52.02	-1.98	54.00	28.40	2.62	0.00	21.00	AVERAGE	100	7

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 5

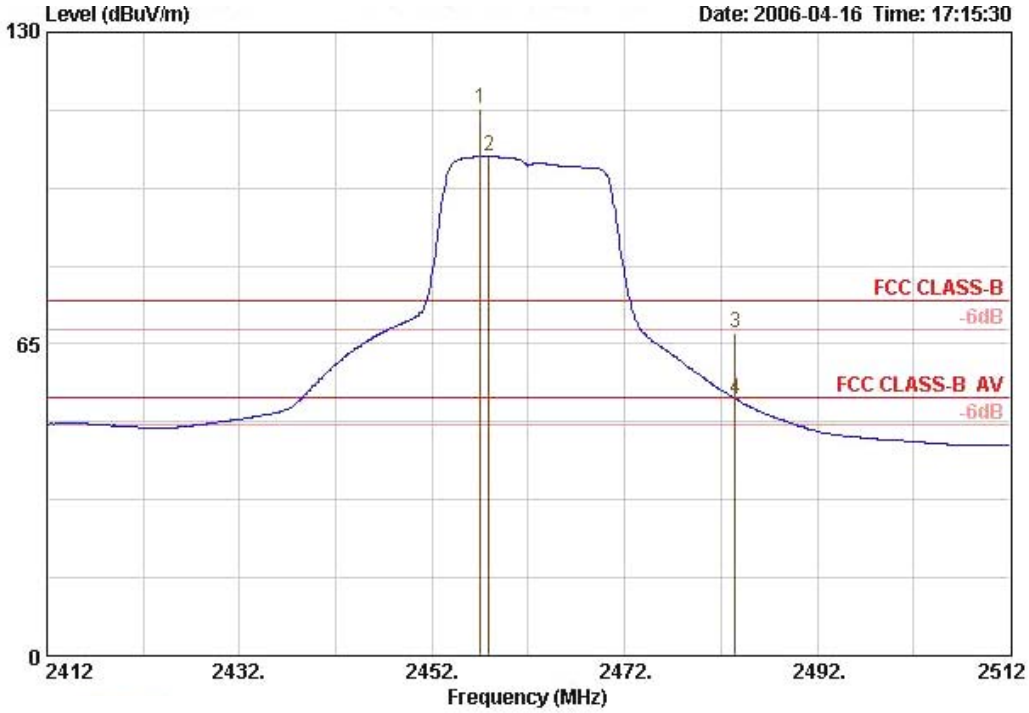
Channel 1



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2390.000	66.82	-7.18	74.00	28.13	2.58	0.00	36.12	PEAK	100	8
2 !	2390.000	53.67	-0.33	54.00	28.13	2.58	0.00	22.97	AVERAGE	100	8
3	2413.100	101.53			28.18	2.58	0.00	70.77	Average	---	---
4	2416.000	111.25			28.18	2.58	0.00	80.50	PEAK	100	8

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

Channel 11



	Freq	Level	Over Limit	Limit Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	2457.000	114.23			28.31	2.60	0.00	83.32	PEAK	100	7
2 @	2457.900	104.10			28.31	2.60	0.00	73.19	Average	---	---
3	2483.500	67.43	-6.57	74.00	28.36	2.62	0.00	36.45	PEAK	100	7
4 !	2483.500	53.55	-0.45	54.00	28.36	2.62	0.00	22.58	AVERAGE	100	7

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

Note:

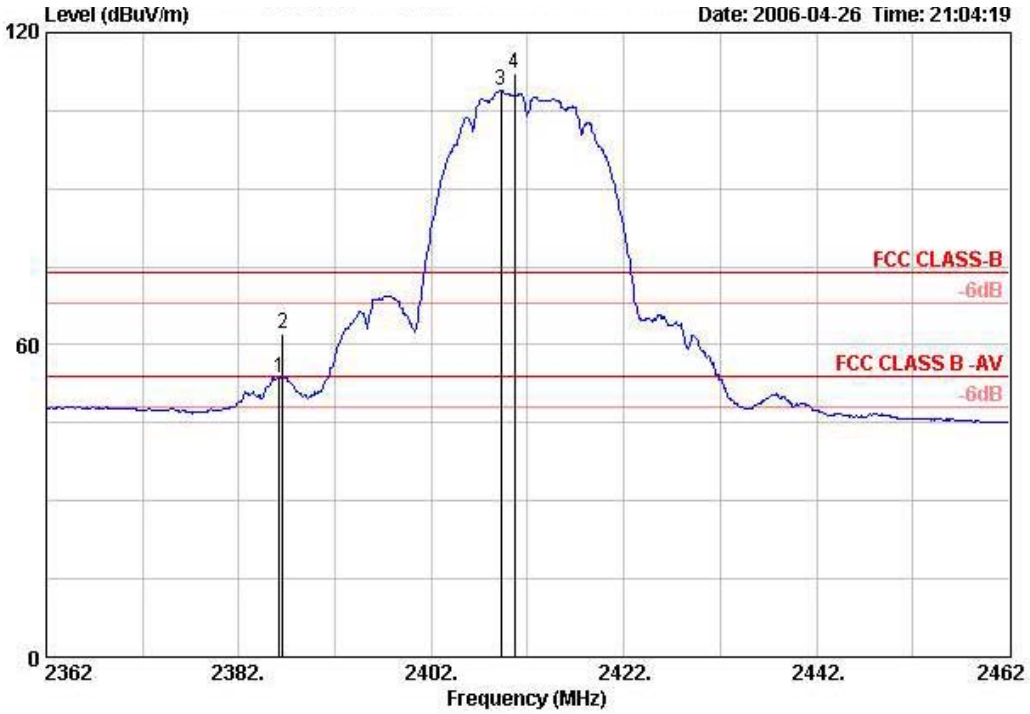
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization.

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1, 11 / Ant. 6

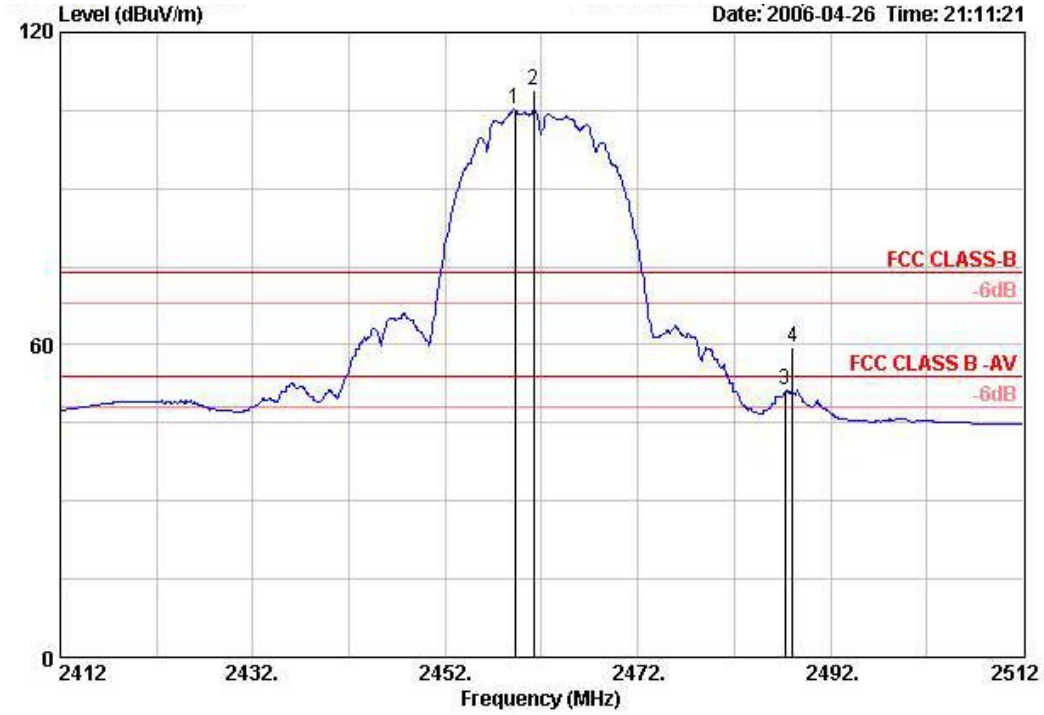
Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 @	2386.200	53.50	-0.50	54.00	21.86	28.88	2.76	0.00	AVERAGE	VERTICAL	3
2	2386.600	61.98	-12.02	74.00	30.34	28.88	2.76	0.00	PEAK	VERTICAL	3
3 @	2409.200	108.87			77.18	28.90	2.79	0.00	AVERAGE	VERTICAL	3
4 @	2410.600	112.20			80.51	28.90	2.79	0.00	PEAK	VERTICAL	3

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

Channel 11

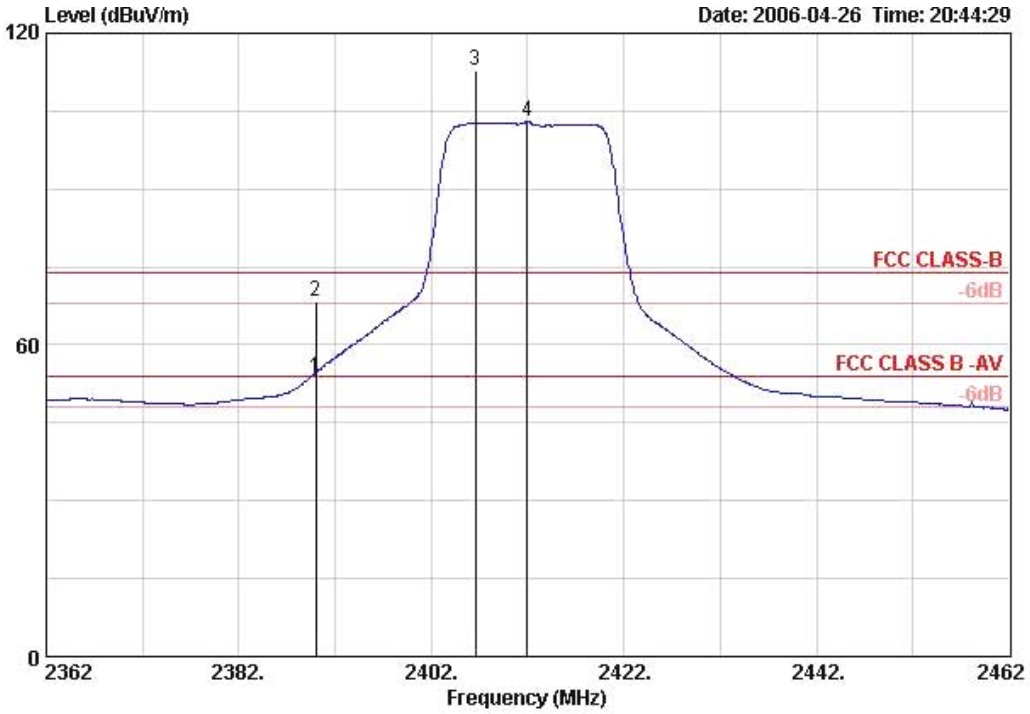


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 @	2459.200	105.25			73.48	28.96	2.81	0.00	AVERAGE	HORIZONTAL	3
2 @	2461.200	108.95			77.18	28.96	2.81	0.00	PEAK	HORIZONTAL	3
3 @	2487.300	51.35	-2.65	54.00	19.53	28.98	2.84	0.00	AVERAGE	HORIZONTAL	3
4	2488.100	59.53	-14.47	74.00	27.69	29.00	2.84	0.00	PEAK	HORIZONTAL	3

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

Temperature	24℃	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1, 11 / Ant. 6

Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 @	2390.000	53.57	-0.43	54.00	21.93	28.88	2.76	0.00	AVERAGE	VERTICAL	3
2 !	2390.000	68.40	-5.60	74.00	36.76	28.88	2.76	0.00	PEAK	VERTICAL	3
3 @	2406.600	112.68			80.99	28.90	2.79	0.00	PEAK	VERTICAL	3
4 @	2412.000	102.85			71.17	28.90	2.79	0.00	AVERAGE	VERTICAL	3

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