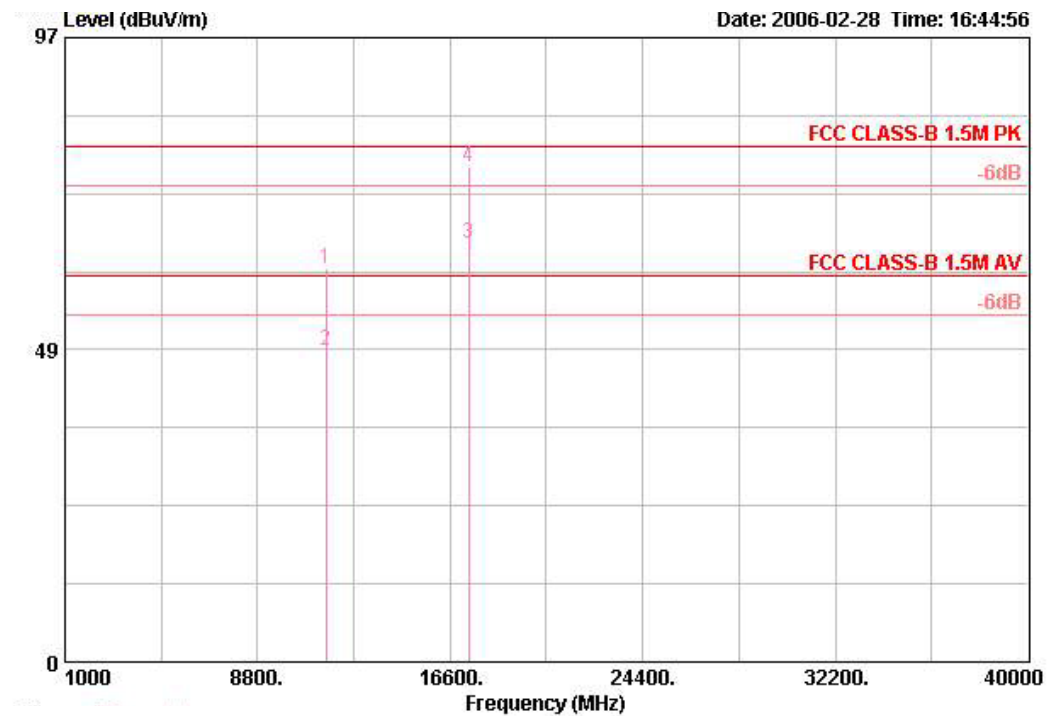


Horizontal

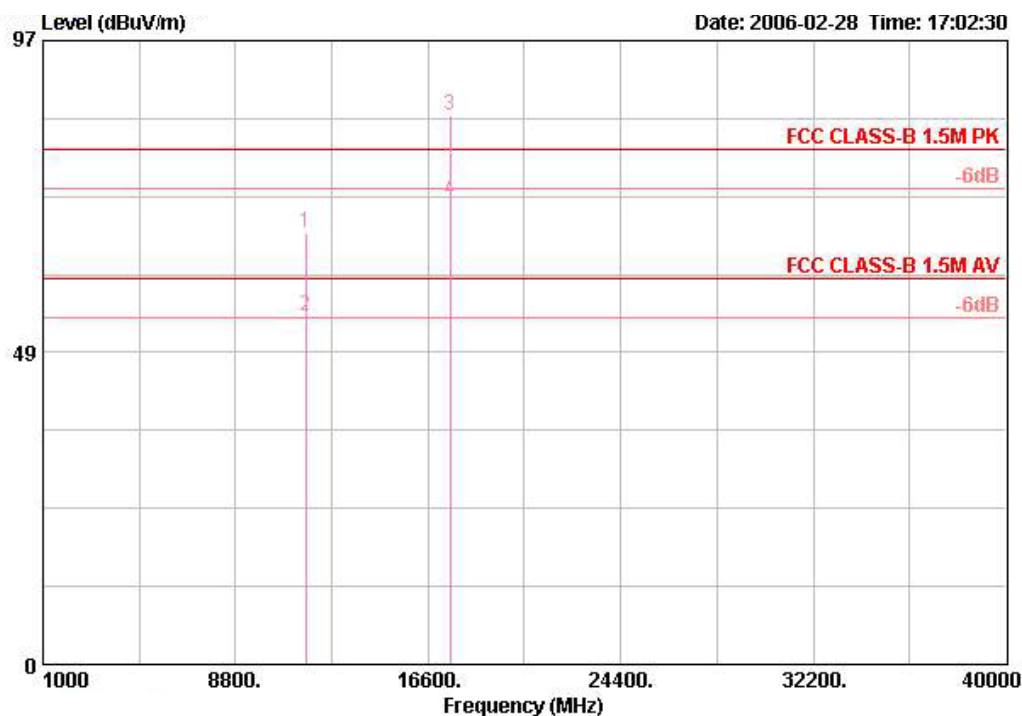


	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	11572.800	61.11	-18.89	80.00	39.21	7.06	35.13	49.97	PEAK	126	320
2 @	11573.320	48.33	-11.67	60.00	39.21	7.06	35.13	37.20	AVERAGE	126	320
3 @	17359.160	64.98			41.44	17.41	35.05	41.19	AVERAGE	126	293
4 @	17359.160	76.83	-3.17	80.00	41.44	17.41	35.05	53.03	PEAK	126	293

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Channel 165 / Ant. 12

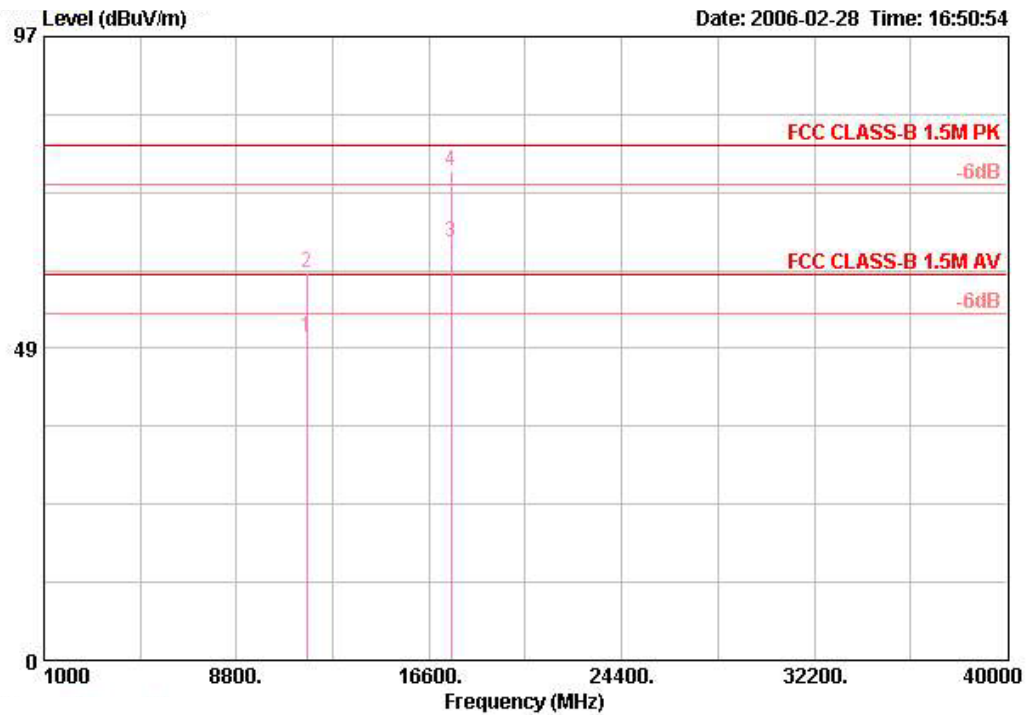
Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11654.040	67.05	-12.95	80.00	39.23	7.15	35.16	55.83	PEAK	122	244
2 @	11656.160	54.22	-5.78	60.00	39.23	7.15	35.16	43.00	AVERAGE	122	244
3 @	17477.680	85.28			41.95	16.42	35.09	62.00	PEAK	120	241
4 @	17480.400	72.21			41.95	16.42	35.09	48.93	AVERAGE	120	241

Note: Item 3, 4 are on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Horizontal

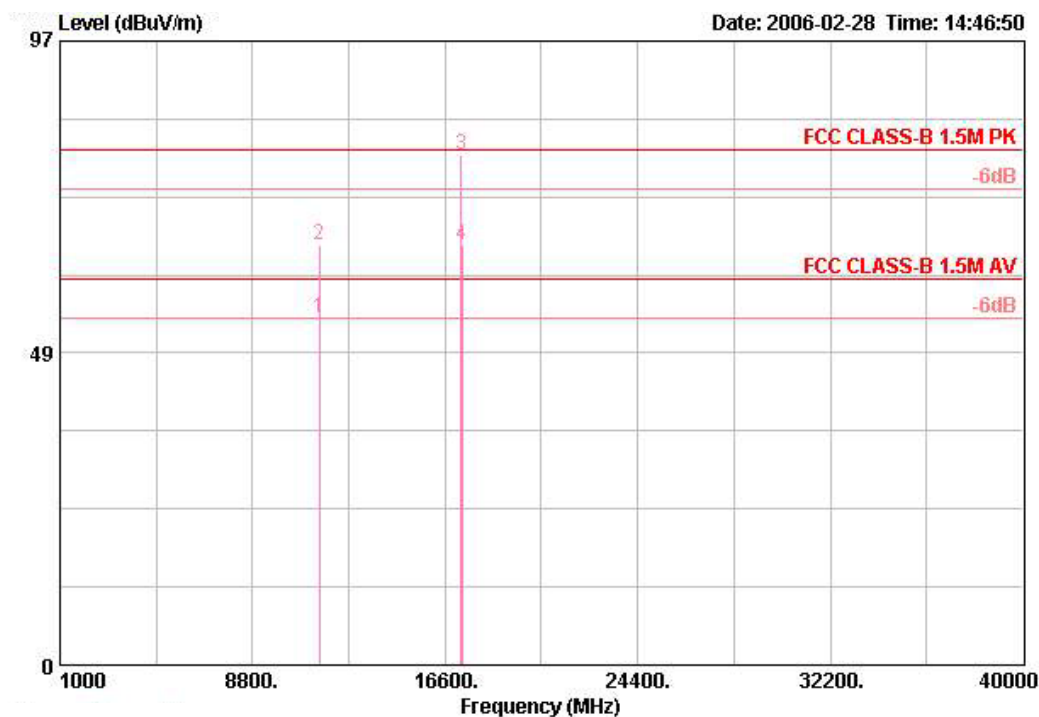


	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	11650.160	50.16	-9.84	60.00	39.23	7.15	35.16	38.94	AVERAGE	134	306
2 @	11650.160	60.30	-19.70	80.00	39.23	7.15	35.16	49.09	PEAK	134	306
3 @	17476.680	64.96			41.95	16.66	35.09	41.43	AVERAGE	139	268
4 @	17476.680	76.23	-3.77	80.00	41.95	16.66	35.09	52.70	PEAK	139	268

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Turbo Channel 152 / Ant. 12

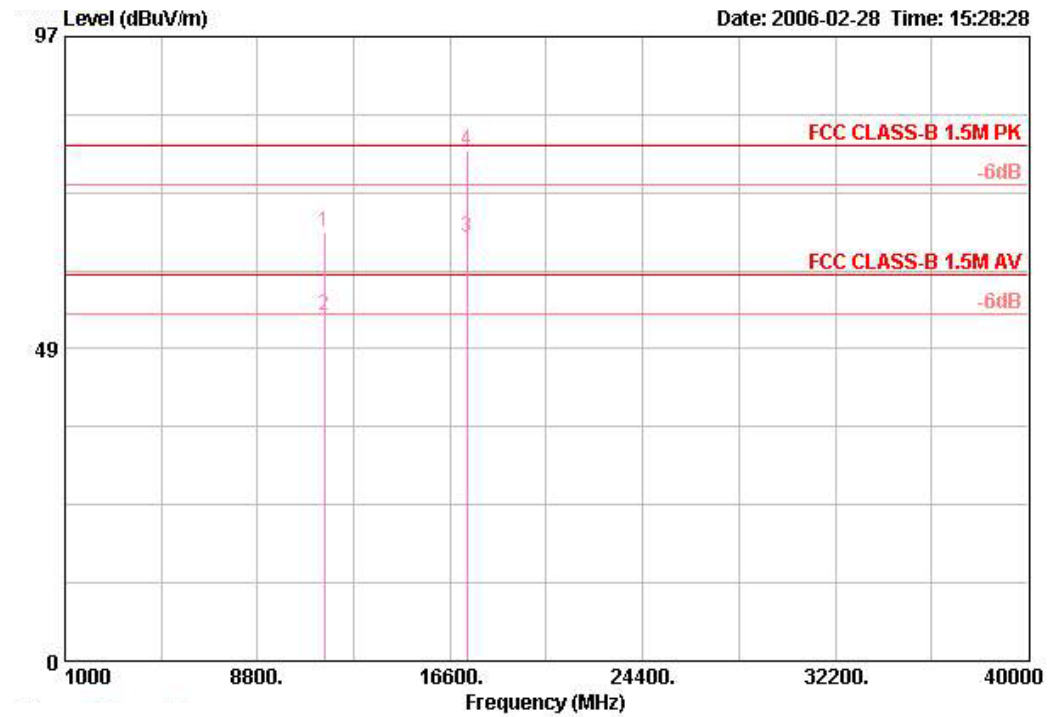
Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11518.400	53.80	-6.20	60.00	39.20	7.01	35.10	42.69	AVERAGE	112	239
2 @	11518.400	65.37	-14.63	80.00	39.20	7.01	35.10	54.26	PEAK	112	239
3 @	17258.800	79.20	-0.80	80.00	41.00	17.90	35.01	55.30	PEAK	122	312
4 @	17272.400	65.38			41.07	17.90	35.01	41.41	AVERAGE	122	312

Note: Item 4 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Horizontal

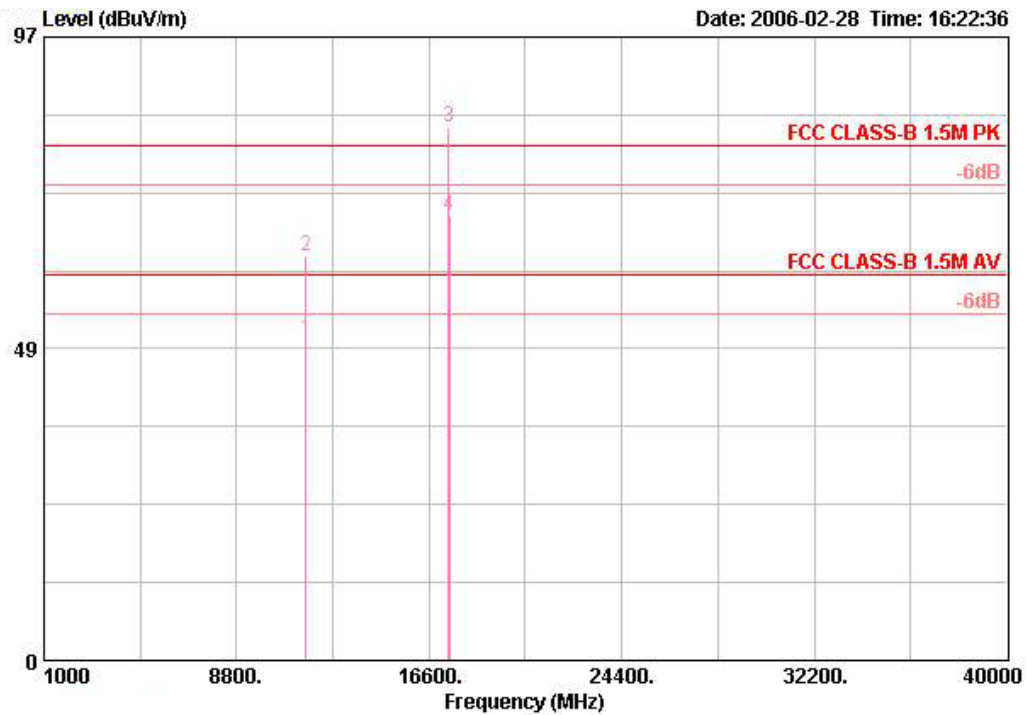


	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	11518.900	66.61	-13.39	80.00	39.20	7.01	35.11	55.51	PEAK	100	280
2 @	11519.100	53.70	-6.30	60.00	39.20	7.01	35.11	42.60	AVERAGE	100	280
3 @	17275.300	65.70			41.07	17.90	35.01	41.73	AVERAGE	100	280
4 @	17276.200	79.28	-0.72	80.00	41.07	17.90	35.01	55.31	PEAK	100	280

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Turbo Channel 160 / Ant. 12

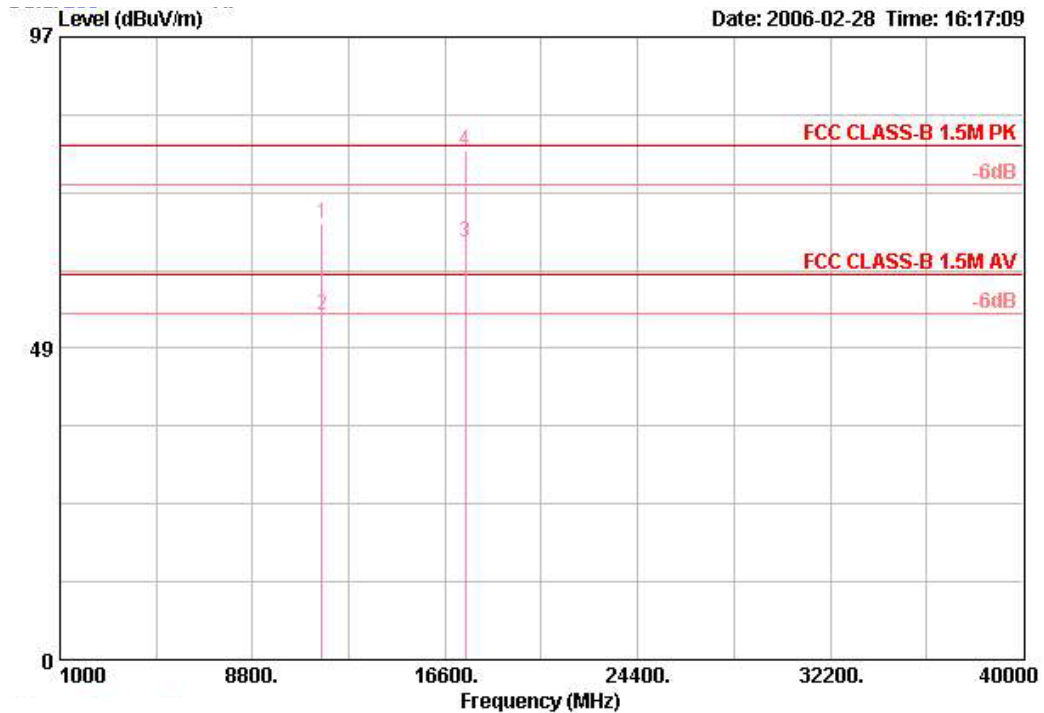
Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11602.100	49.98	-10.02	60.00	39.22	7.10	35.14	38.80	AVERAGE	125	247
2 @	11602.600	62.81	-17.19	80.00	39.22	7.10	35.14	51.63	PEAK	125	247
3 @	17391.500	82.87			41.59	17.16	35.06	59.18	PEAK	126	318
4 @	17407.100	69.13			41.66	16.91	35.06	45.62	AVERAGE	126	318

Note: Item 3, 4 are on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Horizontal



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11602.100	68.03	-11.97	80.00	39.22	7.10	35.14	56.85	PEAK	100	282
2 @	11602.300	53.72	-6.28	60.00	39.22	7.10	35.14	42.53	AVERAGE	100	282
3 @	17407.300	64.95			41.66	16.91	35.06	41.44	AVERAGE	100	276
4 @	17413.000	79.26	-0.74	80.00	41.66	16.91	35.07	55.76	PEAK	100	276

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Note:

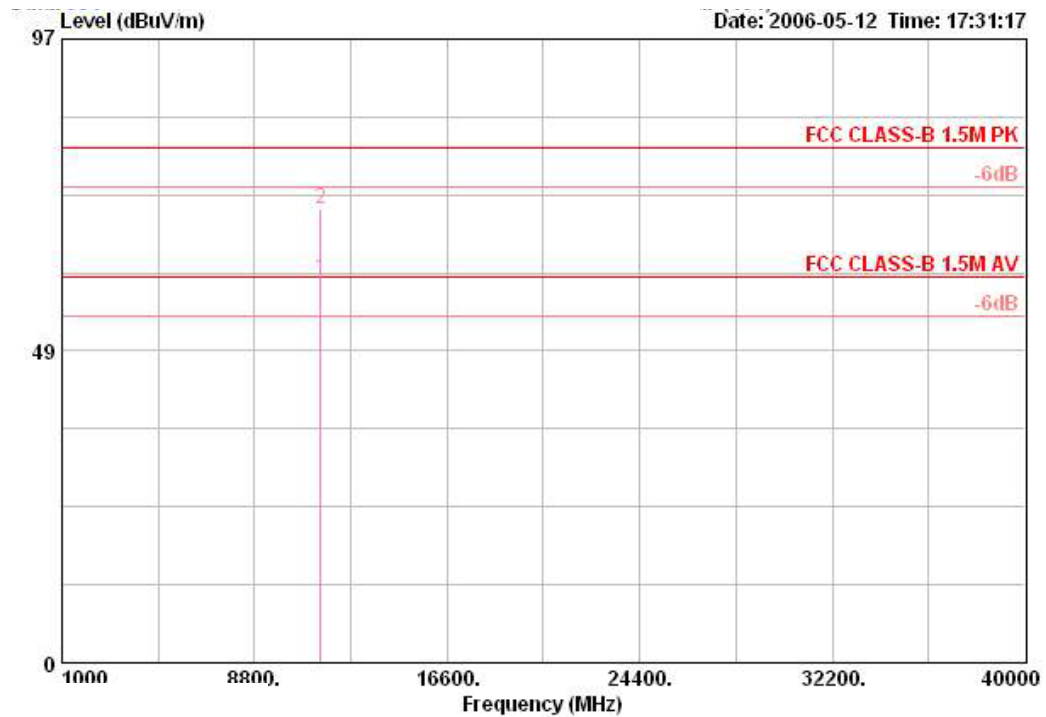
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

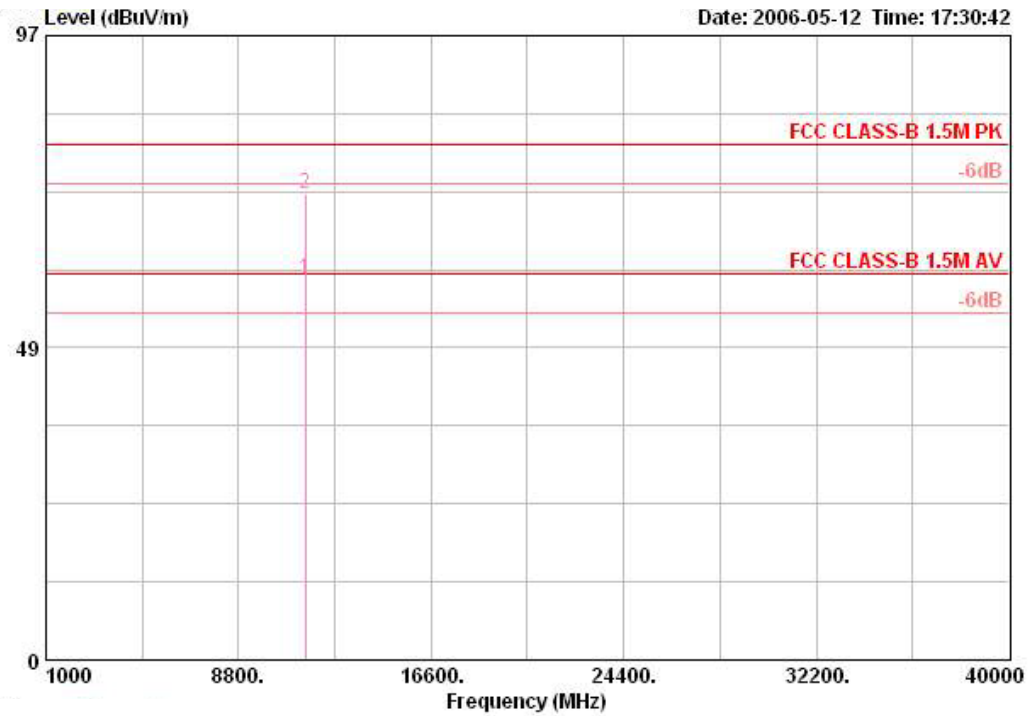
Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Channel 149 / Ant. 13

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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	11489.000	59.76	-0.24	60.00	39.20	6.96	35.10	48.70	AVERAGE	102	344
2	11489.000	70.59	-9.41	80.00	39.20	6.96	35.10	59.53	PEAK	102	344

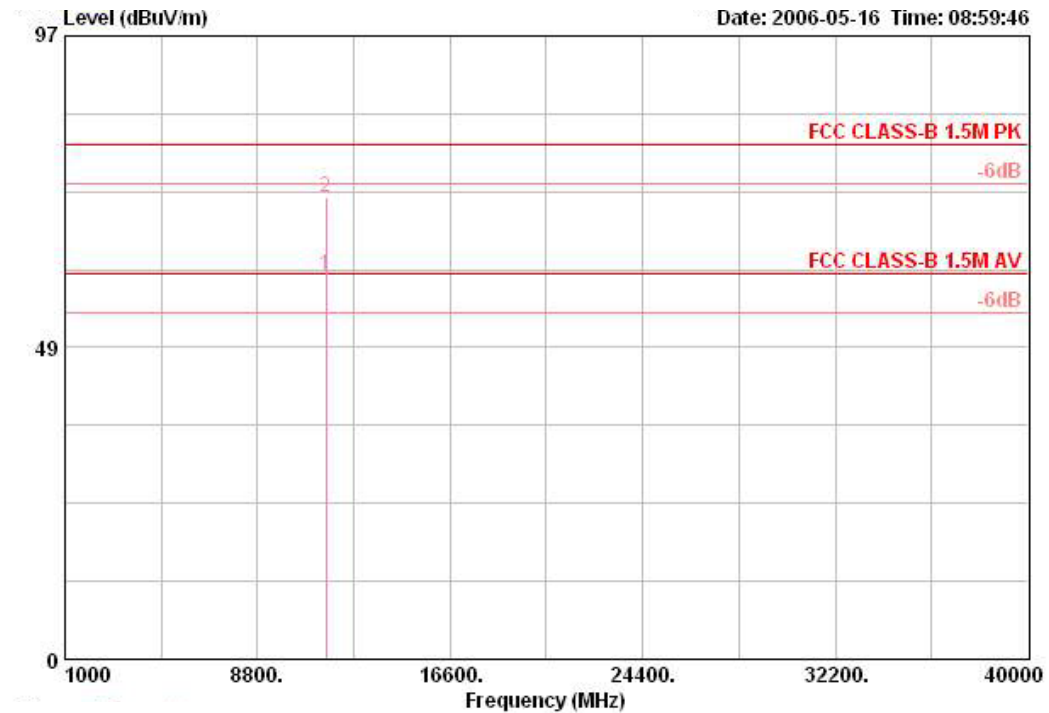
Horizontal



	Freq	Level	Over Limit	Antenna 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 @	11490.700	59.28	-0.72	60.00	39.20	6.96	35.10	48.22	AVERAGE	102	344
2	11490.700	72.47	-7.53	80.00	39.20	6.96	35.10	61.41	PEAK	102	344

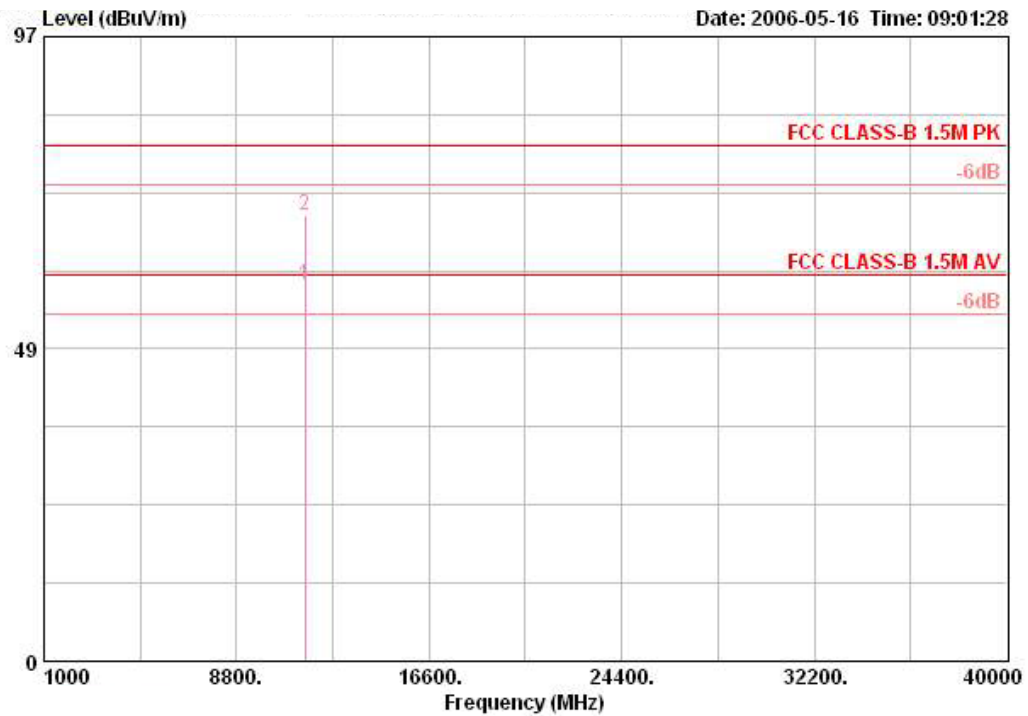
Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Channel 157 / Ant. 13

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11570.440	59.85	-0.15	60.00	39.21	7.06	35.13	48.72	AVERAGE	100	44
2	11570.440	71.93	-8.07	80.00	39.21	7.06	35.13	60.79	PEAK	100	44

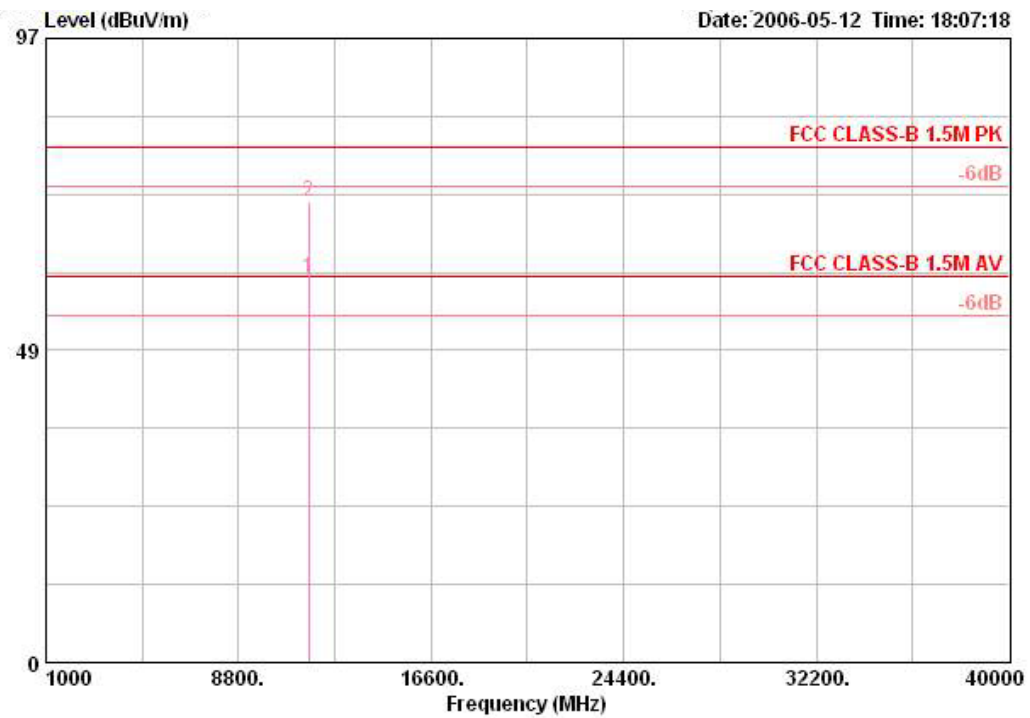
Horizontal



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	11571.800	58.32	-1.68	60.00	39.21	7.06	35.13	47.18	AVERAGE	100	322
2	11571.800	69.12	-10.88	80.00	39.21	7.06	35.13	57.98	PEAK	100	322

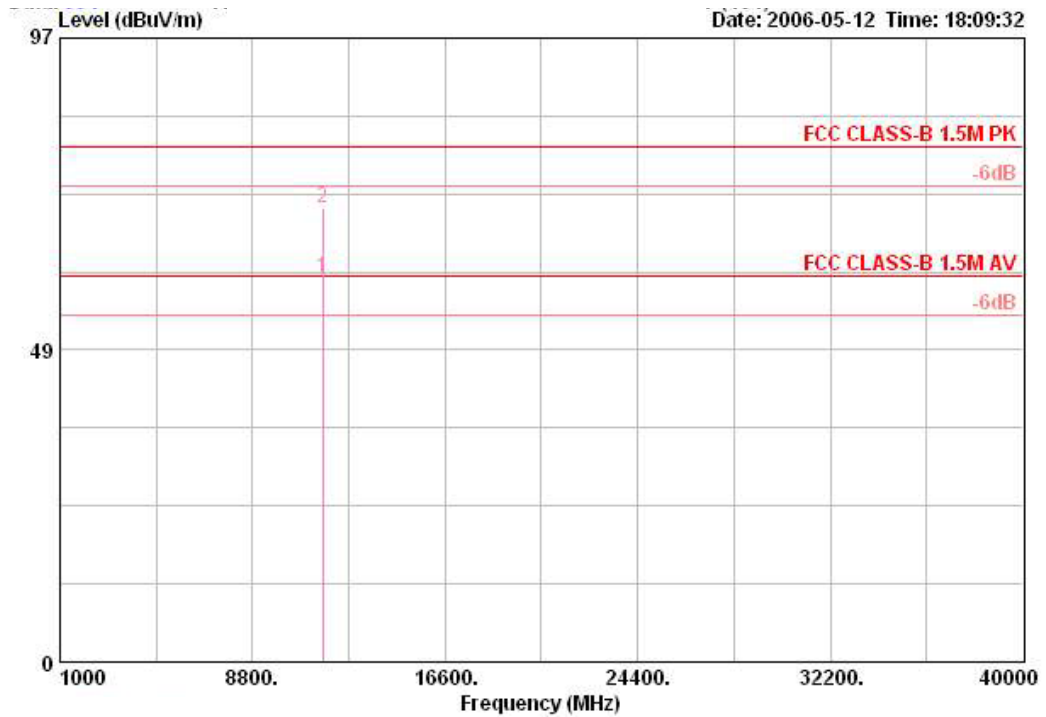
Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Channel 165 / Ant. 13

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line 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	11650.960	59.83	-0.17	60.00	39.23	7.15	35.16	48.62	AVERAGE	110	347
2	11650.960	71.65	-8.35	80.00	39.23	7.15	35.16	60.44	PEAK	110	347

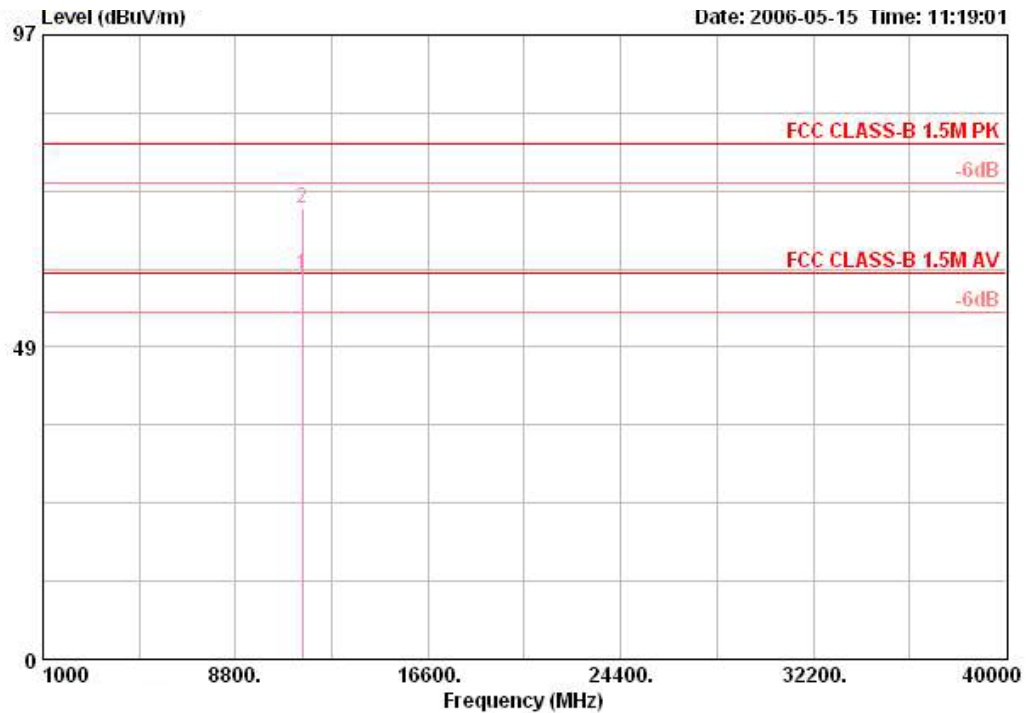
Horizontal



	Freq	Level	Over Limit	Limit	Antenna Line 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 !	11650.840	59.84	-0.16	60.00	39.23	7.15	35.16	48.62	AVERAGE	100	24
2	11650.840	70.47	-9.53	80.00	39.23	7.15	35.16	59.25	PEAK	100	24

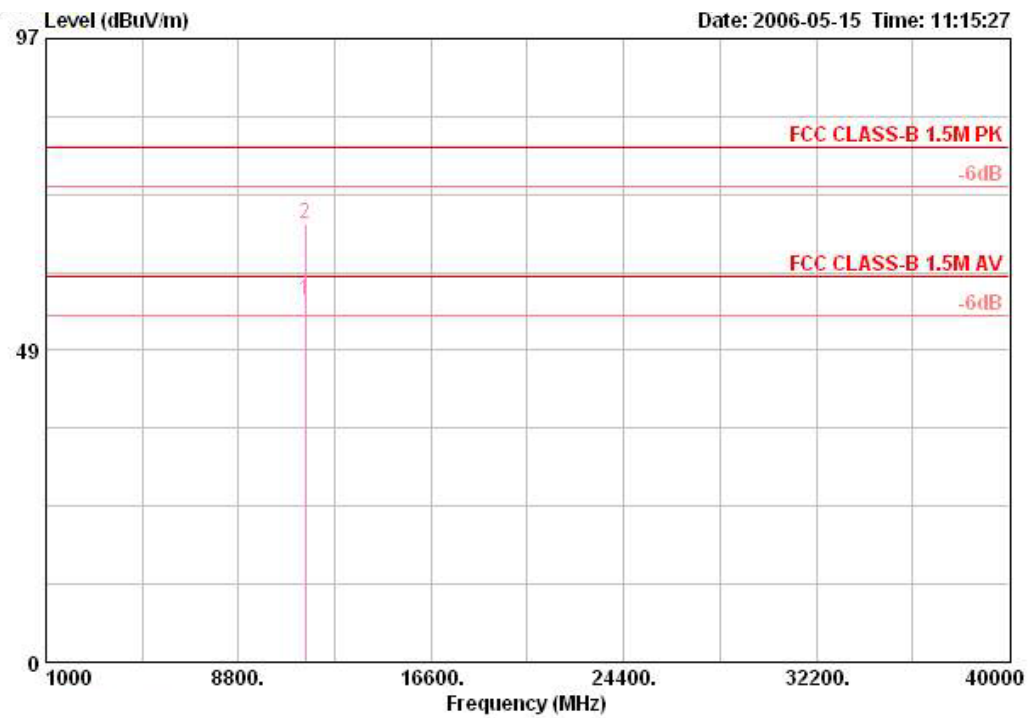
Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Turbo Channel 152 / Ant. 13

Vertical



	Freq	Level	Over Limit	Antenna Line	Cable Loss	Preamp	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1 !	11519.400	59.80	-0.20	60.00	39.20	7.01	35.11	48.70 AVERAGE	100	341
2	11519.400	69.92	-10.08	80.00	39.20	7.01	35.11	58.82 PEAK	100	341

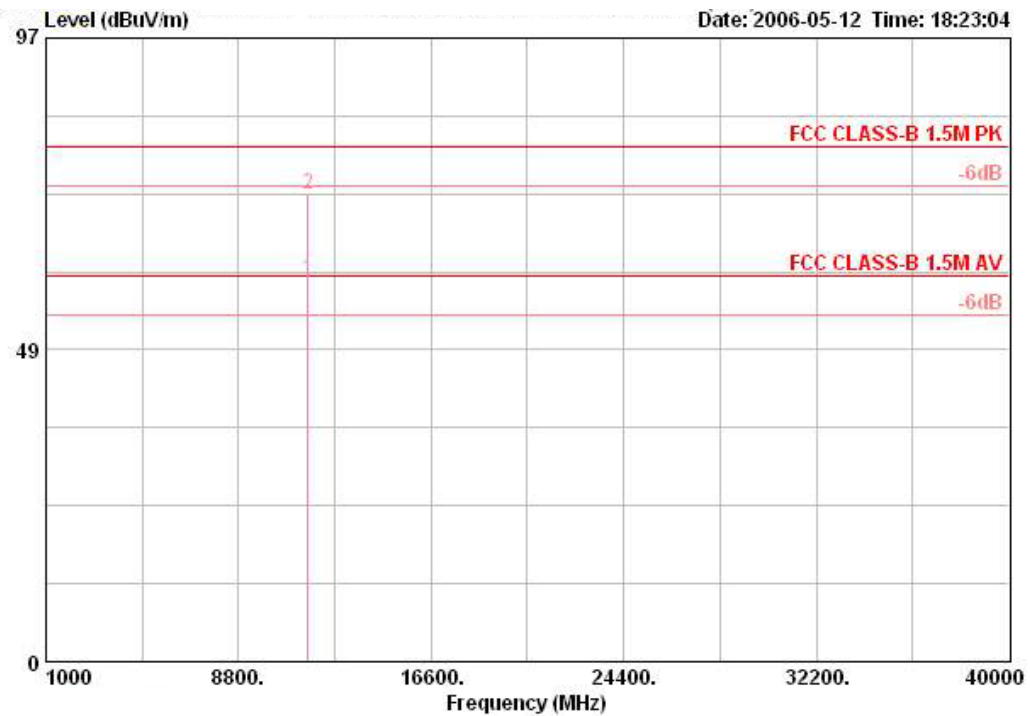
Horizontal



	Freq	Level	Over Limit	Antenna Line	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	11521.300	56.18	-3.82	60.00	39.20	7.01	35.11	45.08 AVERAGE	100	60
2	11521.300	68.32	-11.68	80.00	39.20	7.01	35.11	57.22 PEAK	100	60

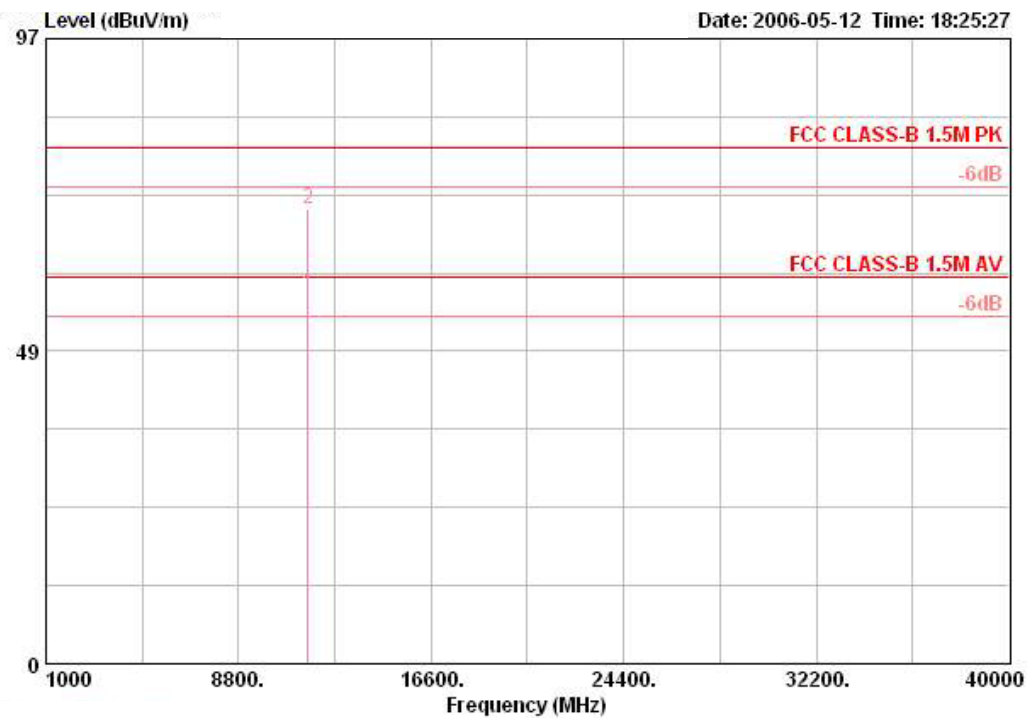
Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11a Turbo Channel 160 / Ant. 13

Vertical



	Freq	Level	Over Limit	Antenna 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 !	11602.400	59.46	-0.54	60.00	39.22	7.10	35.14	48.28	AVERAGE	113	342
2	11602.400	72.71	-7.29	80.00	39.22	7.10	35.14	61.53	PEAK	113	342

Horizontal



	Freq	Level	Over Limit	Limit	Antenna Line 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 !	11602.000	57.26	-2.74	60.00	39.22	7.10	35.14	46.08	AVERAGE	100	59
2	11602.000	70.50	-9.50	80.00	39.22	7.10	35.14	59.32	PEAK	100	59

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)	1 MHz / 1 MHz 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 frequency 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.

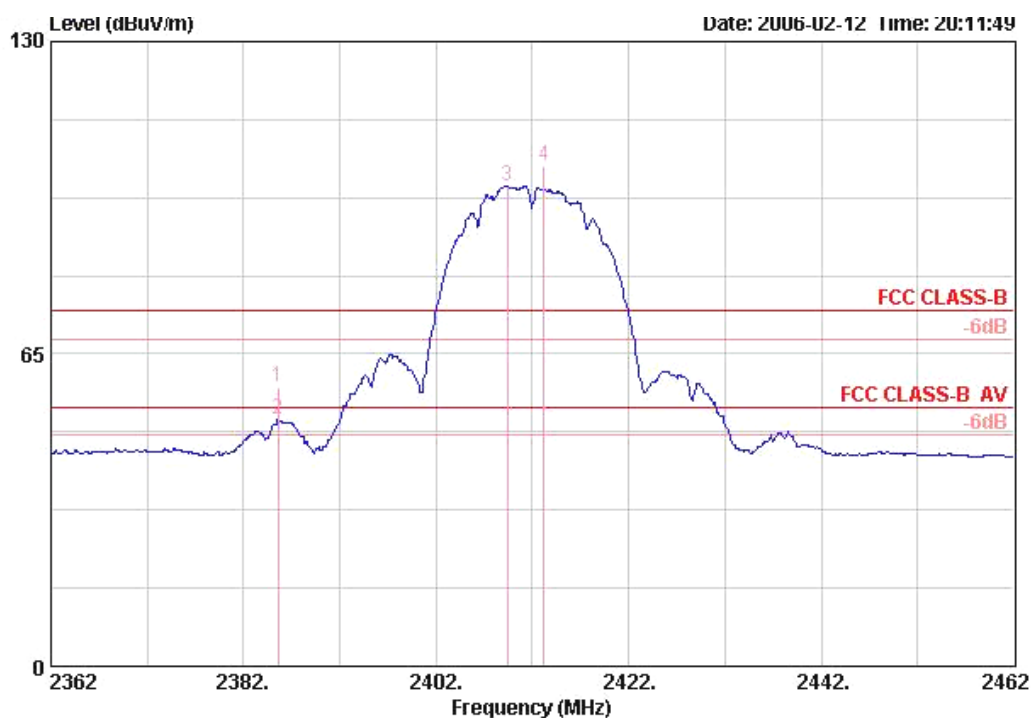
4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11b Channel 1, 11/ Ant. 1/2

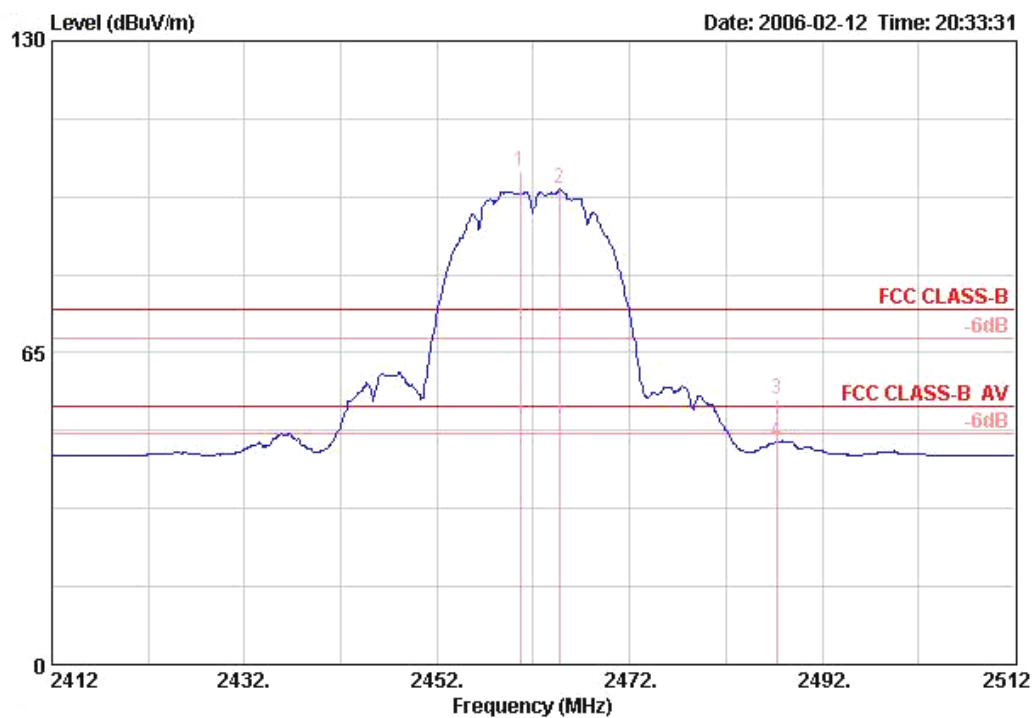
Channel 1



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	2385.600	58.19	-15.81	74.00	28.13	2.58	0.00	27.48	PEAK	125	-22
2 @	2385.600	51.20	-2.80	54.00	28.13	2.58	0.00	20.49	AVERAGE	125	-22
3 @	2409.400	99.97			28.18	2.58	0.00	69.22	Average	---	---
4 @	2413.200	104.25			28.18	2.58	0.00	73.50	PEAK	125	-22

Channel 1 is fundamental frequency at 2412 MHz.

Channel 11

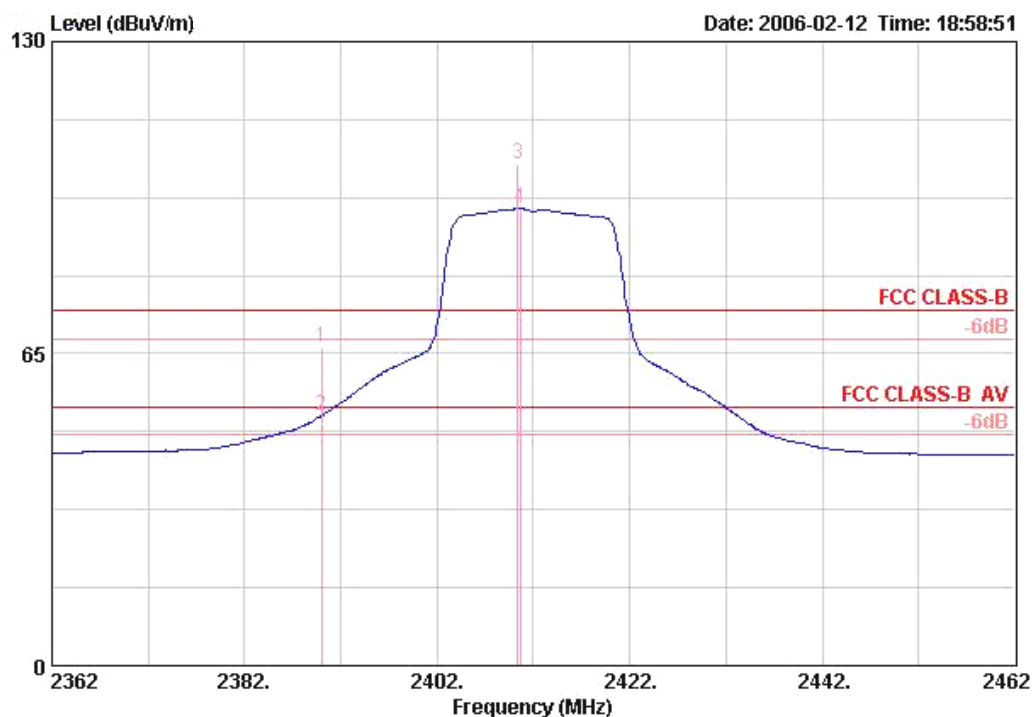


	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2460.600	102.73			28.31	2.60	0.00	71.82	PEAK	117	291
2 @	2464.700	99.03			28.31	2.62	0.00	68.10	Average	---	---
3 @	2487.300	55.41	-18.59	74.00	28.36	2.62	0.00	24.43	PEAK	117	291
4 @	2487.300	46.46	-7.54	54.00	28.36	2.62	0.00	15.48	AVERAGE	117	291

Channel 11 is fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11g Channel 1, 11/ Ant. 1/2

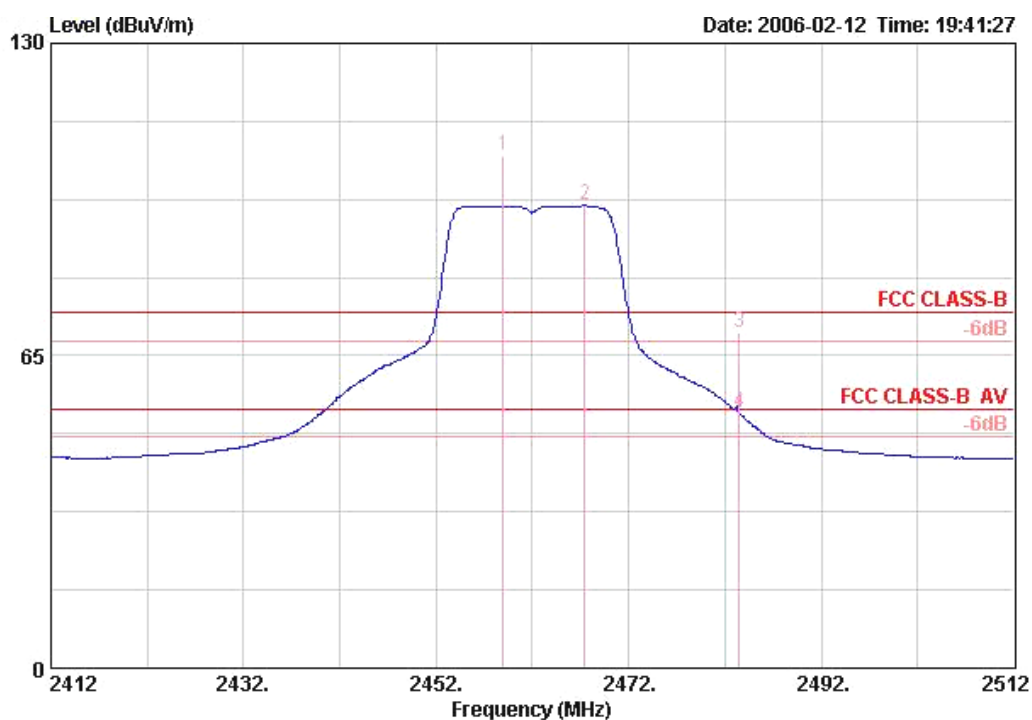
Channel 1



	Freq	Level	Over Limit	Limit	Antenna Line 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	66.39	-7.61	74.00	28.13	2.58	0.00	35.69	PEAK	128	203
2 @	2390.000	52.00	-2.00	54.00	28.13	2.58	0.00	21.29	AVERAGE	128	203
3 @	2410.400	104.62			28.18	2.58	0.00	73.87	PEAK	128	203
4 @	2410.600	95.19			28.18	2.58	0.00	64.44	Average	---	---

Channel 1 is fundamental frequency at 2412 MHz.

Channel 11

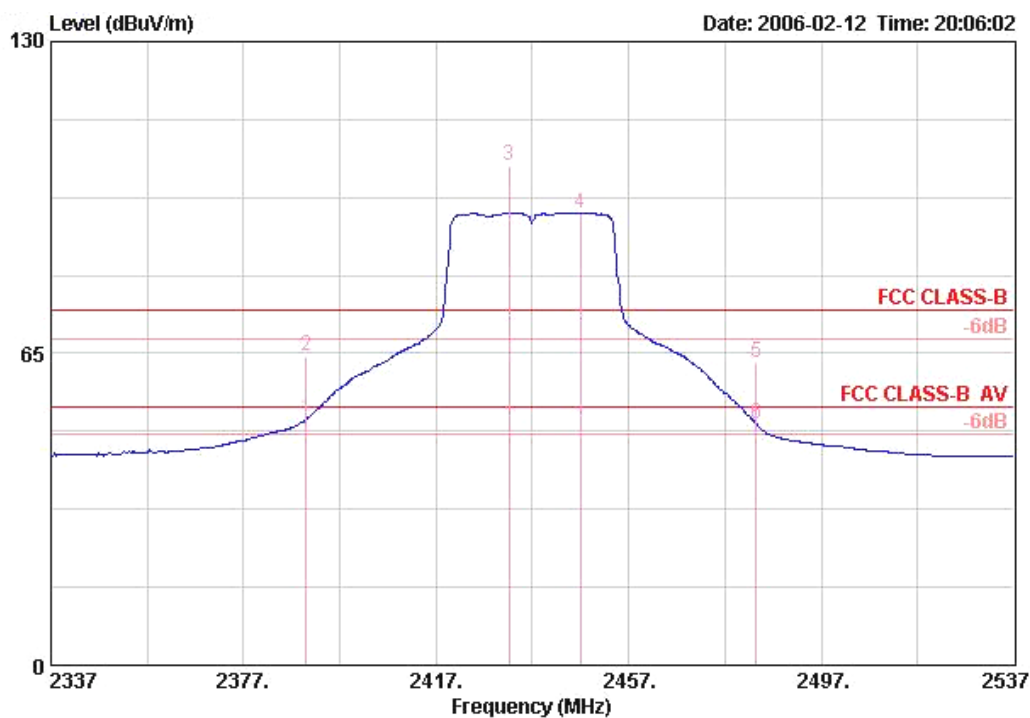


	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	2458.970	106.69			28.31	2.60	0.00	75.79	PEAK	121	327
2 @	2467.454	96.19			28.31	2.62	0.00	65.26	Average	---	---
3 @	2483.500	69.73	-4.27	74.00	28.36	2.62	0.00	38.76	PEAK	121	327
4 @	2483.500	53.27	-0.73	54.00	28.36	2.62	0.00	22.30	AVERAGE	121	327

Channel 11 is fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11g Turbo Channel 6/ Ant. 1/2

Turbo Channel 6



	Freq	Level	Over Limit	Limit	Antenna Line 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	51.35	-2.65	54.00	28.13	2.58	0.00	20.64	AVERAGE	143	97
2 @	2390.000	64.57	-9.43	74.00	28.13	2.58	0.00	33.86	PEAK	143	97
3 @	2432.200	103.98			28.22	2.60	0.00	73.16	PEAK	143	97
4 @	2447.000	94.36			28.27	2.60	0.00	63.50	Average	---	---
5 @	2483.500	63.06	-10.94	74.00	28.36	2.62	0.00	32.08	PEAK	143	97
6 @	2483.500	50.44	-3.56	54.00	28.36	2.62	0.00	19.46	AVERAGE	143	97

Channel 6 is fundamental frequency at 2437 MHz.

Note:

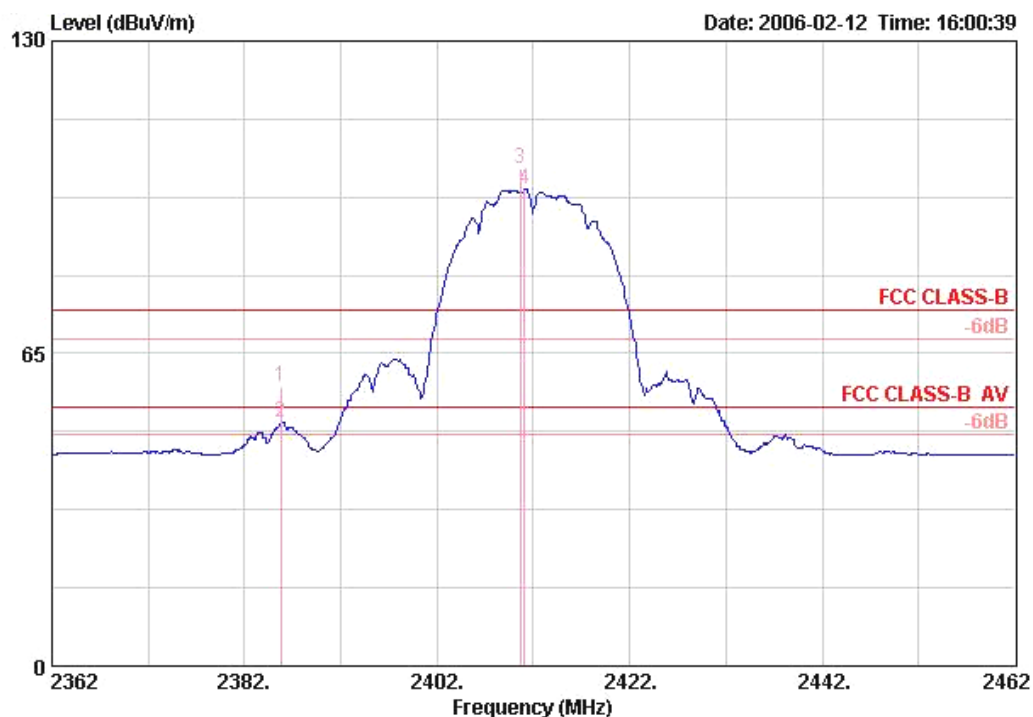
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

Receiving maximum band edge emissions are Vertical Polarization

Temperature	24°C	Humidity	64%
Test Engineer	Rush Kao	Configurations	802.11b Channel 1, 11/Ant. 3

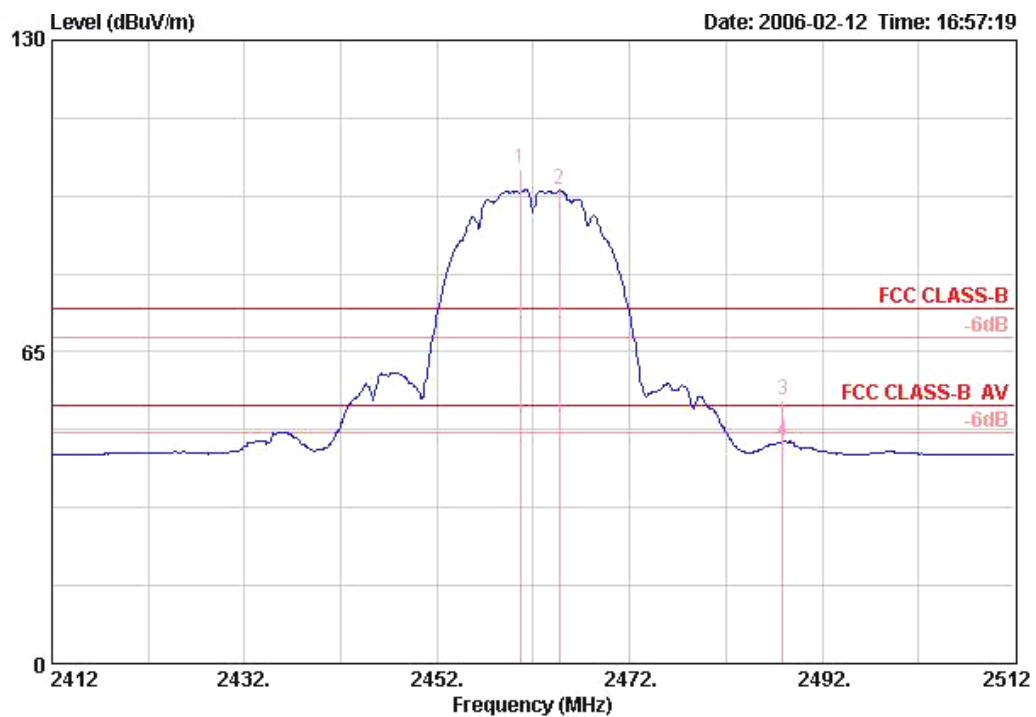
Channel 1



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	2385.800	57.96	-16.04	74.00	28.13	2.58	0.00	27.25	PEAK	143	14
2 @	2385.800	50.79	-3.21	54.00	28.13	2.58	0.00	20.09	AVERAGE	143	14
3 @	2410.600	103.42			28.18	2.58	0.00	72.67	PEAK	143	14
4 @	2411.100	99.18			28.18	2.58	0.00	68.42	Average	---	---

Channel 1 is fundamental frequency at 2412 MHz.

Channel 11



	Freq	Level	Over Limit	Limit	Antenna Line 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 @	2460.600	102.98			28.31	2.60	0.00	72.07	PEAK	152	-8
2 @	2464.700	98.88			28.31	2.62	0.00	67.95	Average	---	---
3 @	2487.900	54.97	-19.03	74.00	28.40	2.62	0.00	23.95	PEAK	152	-8
4 @	2487.900	46.42	-7.58	54.00	28.40	2.62	0.00	15.40	AVERAGE	152	-8

Channel 11 is fundamental frequency at 2462 MHz.