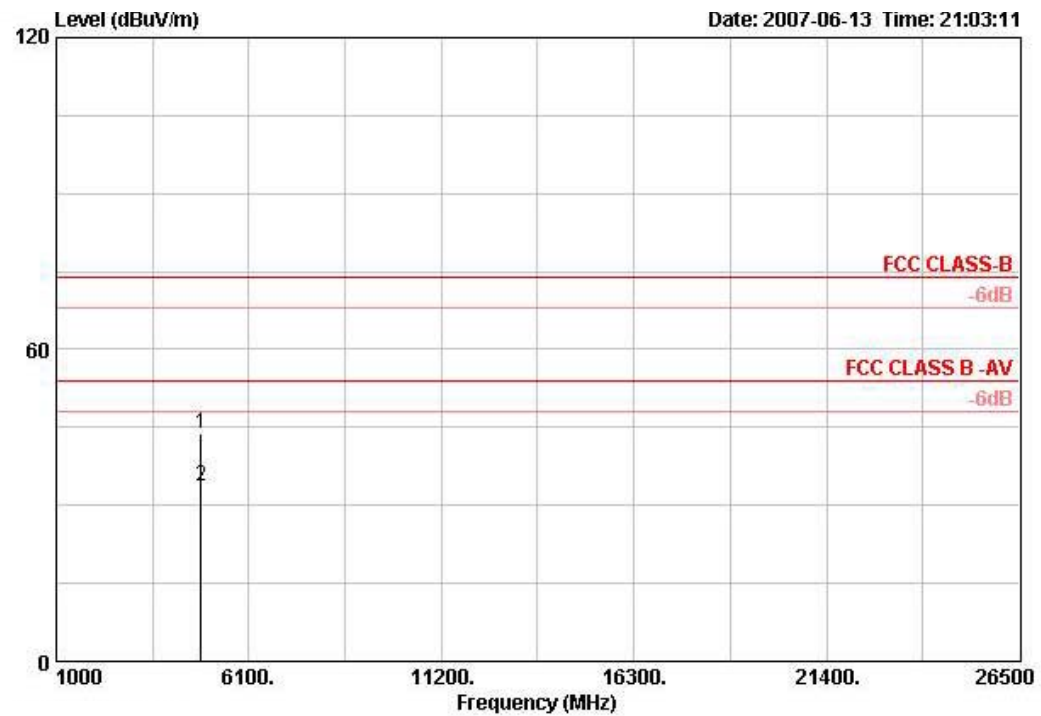


4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

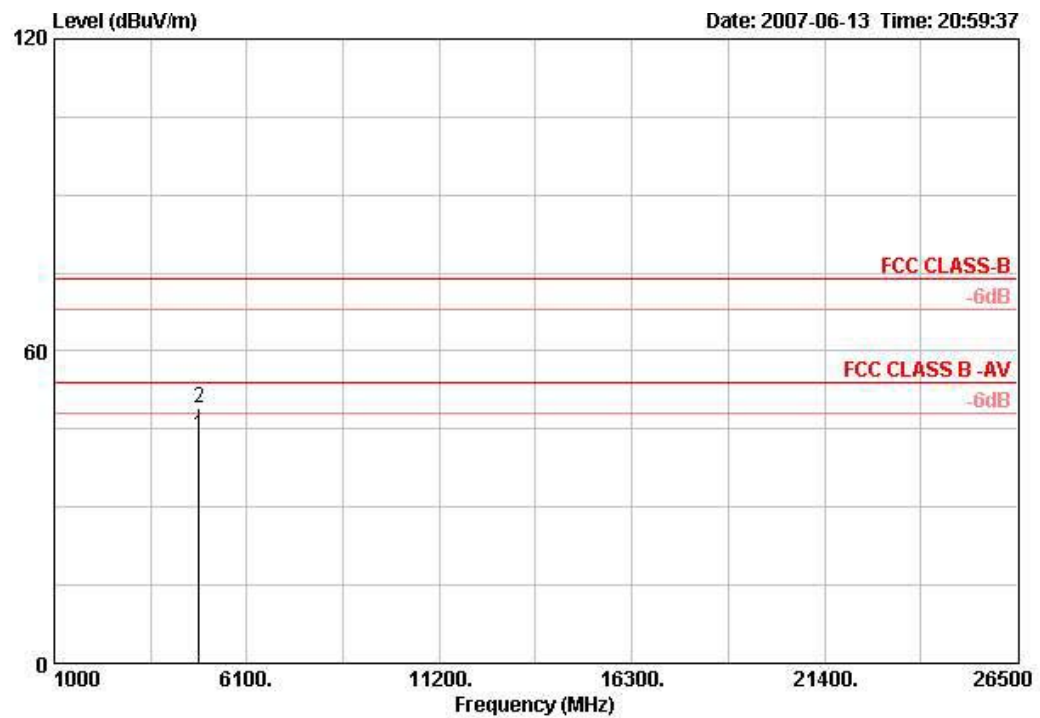
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1 / Ant. 2

Horizontal



	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4823.840	41.58	43.77	74.00	-30.23	33.06	35.16	4.30	PEAK	100	43	HORIZONTAL
2	4824.000	31.65	33.84	54.00	-20.16	33.06	35.16	4.30	AVERAGE	100	43	HORIZONTAL

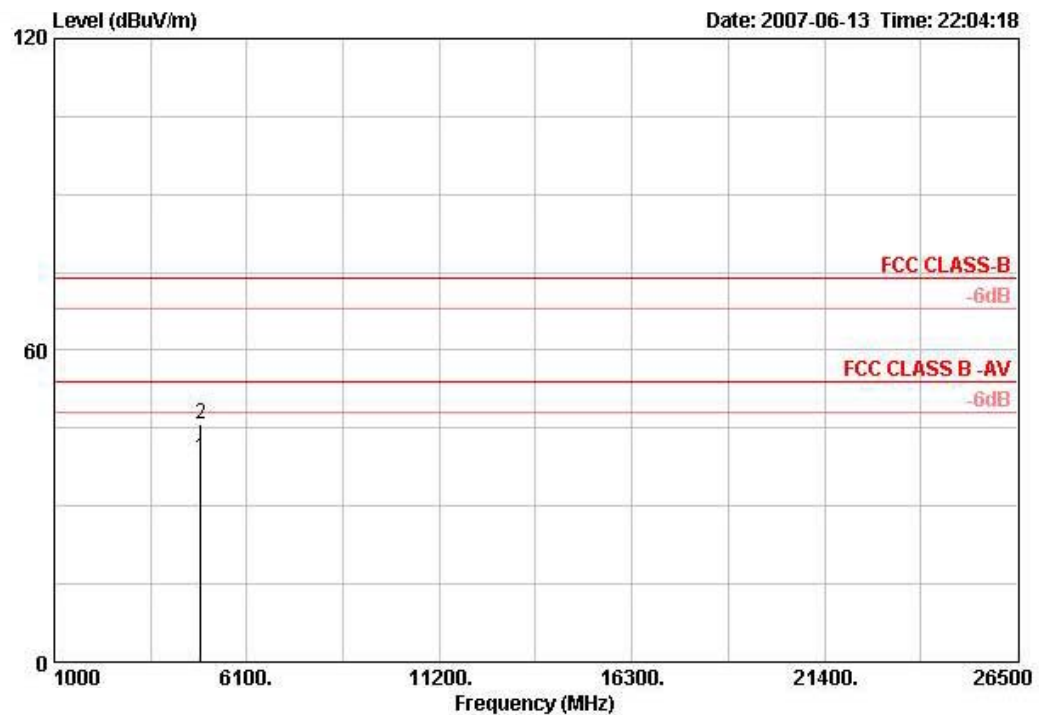
Vertical



	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1 *	4823.880	41.70	43.89	54.00	-10.11	33.06	35.16	4.30	AVERAGE	100	236	VERTICAL
2	4824.080	46.71	48.90	74.00	-25.10	33.06	35.16	4.30	PEAK	100	236	VERTICAL

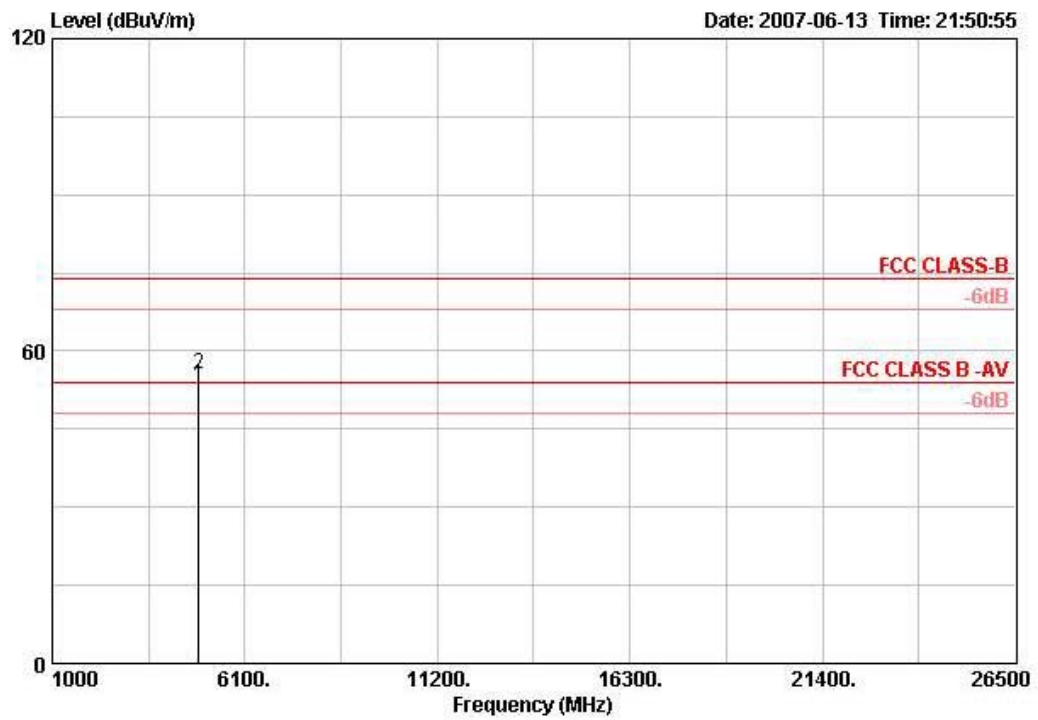
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11b CH 6 / Ant. 2

Horizontal



	Read	Limit	Over	Antenna	Preamp	Cable		Ant	Table	
	Freq	Level	Line	Limit	Factor	Factor	Loss	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	4873.910	37.04	39.35	54.00	-14.65	33.16	35.15	4.30	AVERAGE	100 257 HORIZONTAL
2	4873.950	43.32	45.63	74.00	-28.37	33.16	35.15	4.30	PEAK	100 257 HORIZONTAL

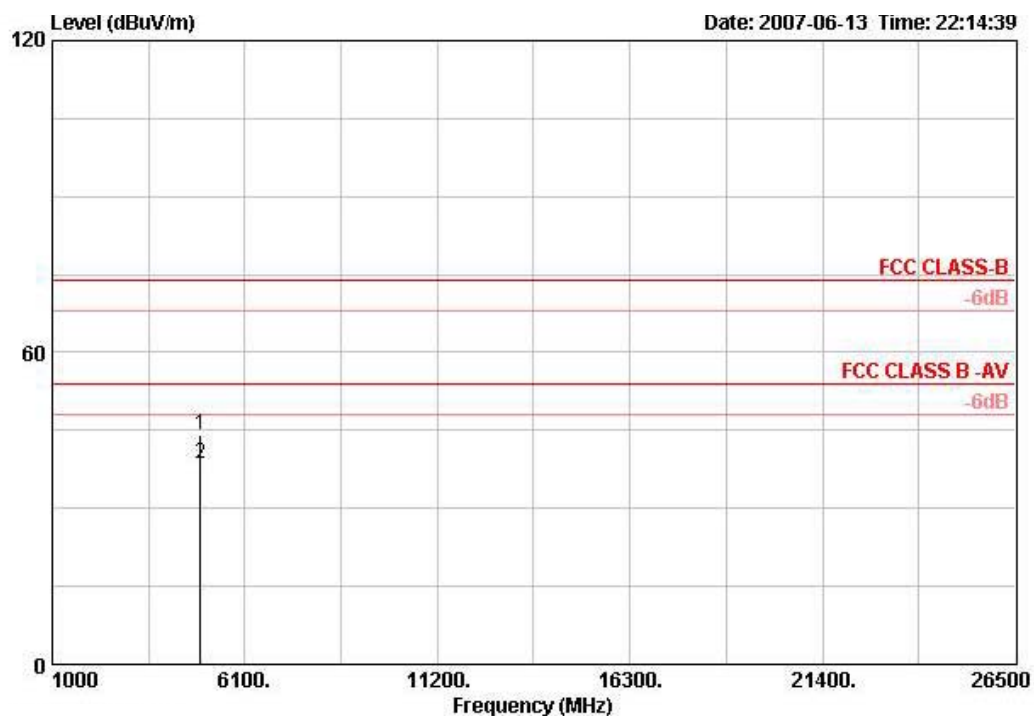
Vertical



		Read	Limit	OverAntenna	Preamp	Cable			Ant	Table	
	Freq	Level	Level	Line	Limit	Factor	Factor	Loss	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	4873.910	50.90	53.21	54.00	-0.79	33.16	35.15	4.30	AVERAGE	113	280 VERTICAL
2 *	4874.100	53.16	55.46	74.00	-18.54	33.16	35.15	4.30	PEAK	113	280 VERTICAL

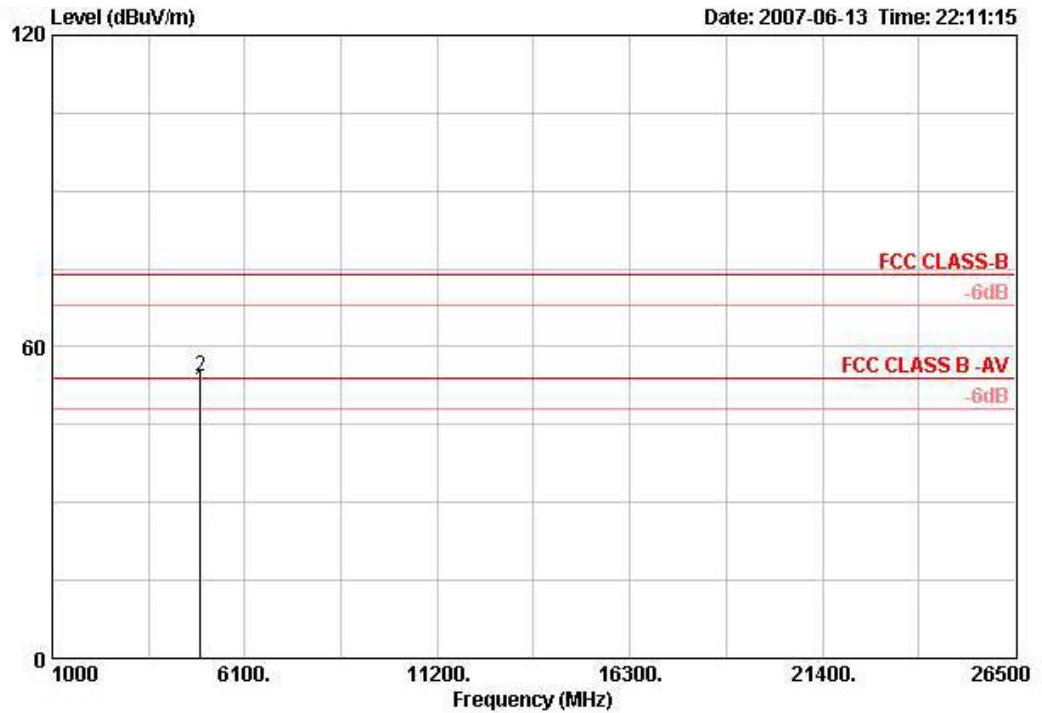
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11b CH 11 / Ant. 2

Horizontal



	Freq	Read Level	Level	Limit Line	Over Limit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4923.810	41.87	44.29	74.00	-29.71	33.26	35.14	4.30	PEAK	100	35	HORIZONTAL
2 *	4923.930	36.30	38.72	54.00	-15.28	33.26	35.14	4.30	AVERAGE	100	35	HORIZONTAL

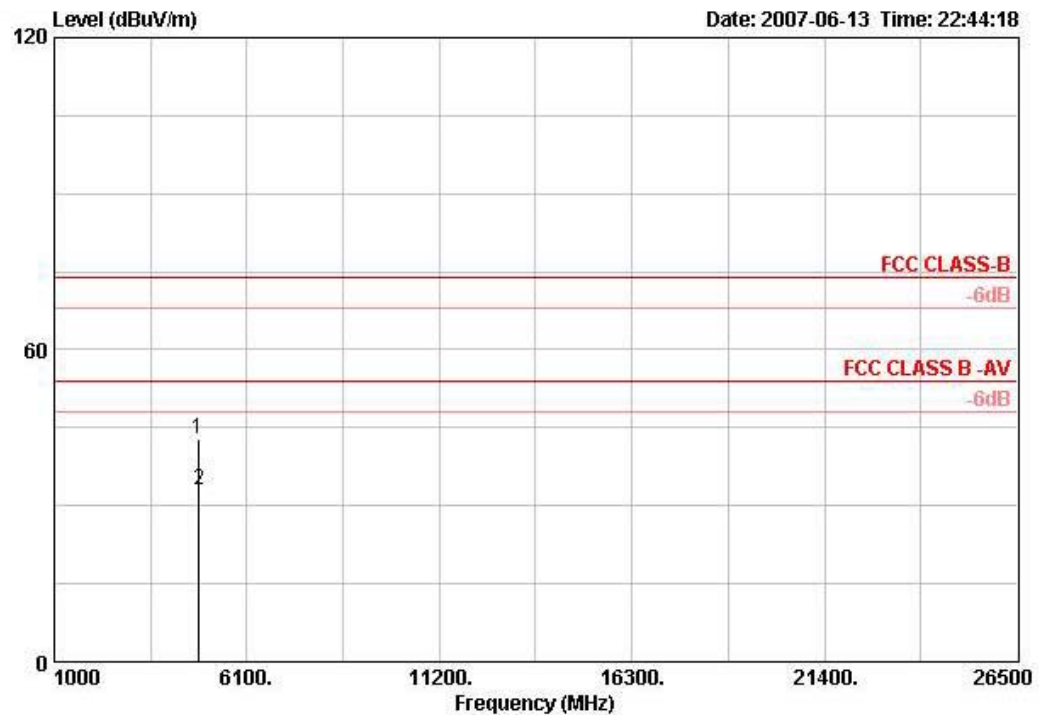
Vertical



	Freq	Read Level	Level	Limit Line	OverAntenna Limit	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	4923.910	49.18	51.60	54.00	-2.40	33.26	35.14	4.30 AVERAGE	113	279	HORIZONTAL
2	4923.920	51.82	54.24	74.00	-19.76	33.26	35.14	4.30 PEAK	113	279	HORIZONTAL

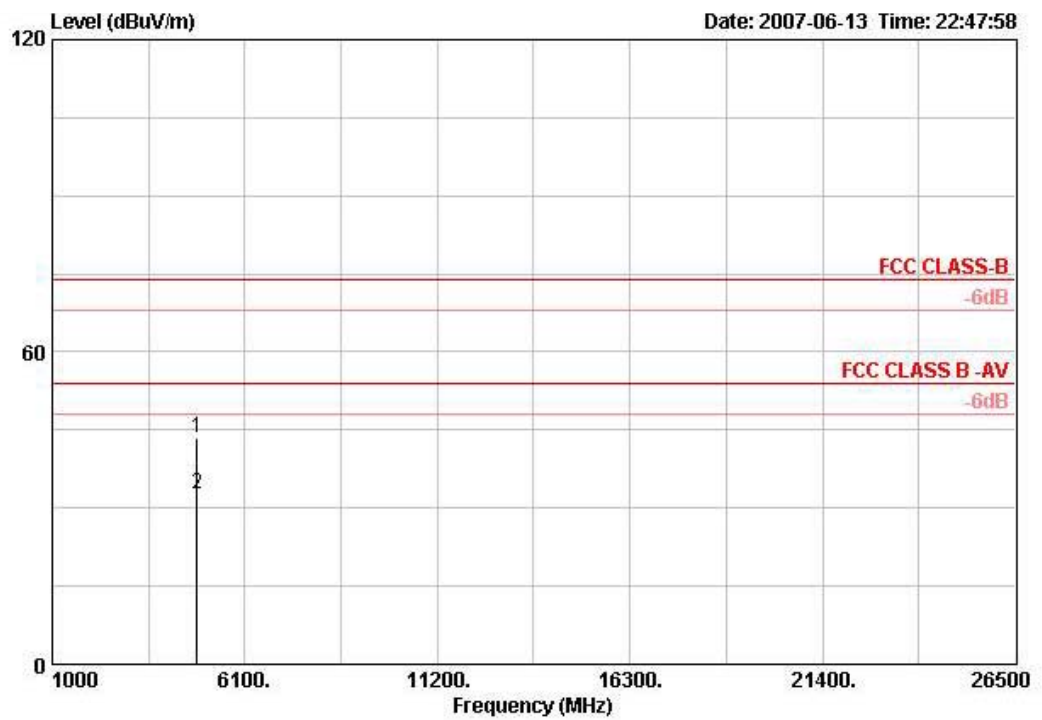
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1 / Ant. 2

Horizontal



	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4820.600	40.49	42.68	74.00	-31.32	33.06	35.16	4.30	PEAK	100	343	HORIZONTAL
2	4823.400	30.92	33.11	54.00	-20.89	33.06	35.16	4.30	AVERAGE	100	343	HORIZONTAL

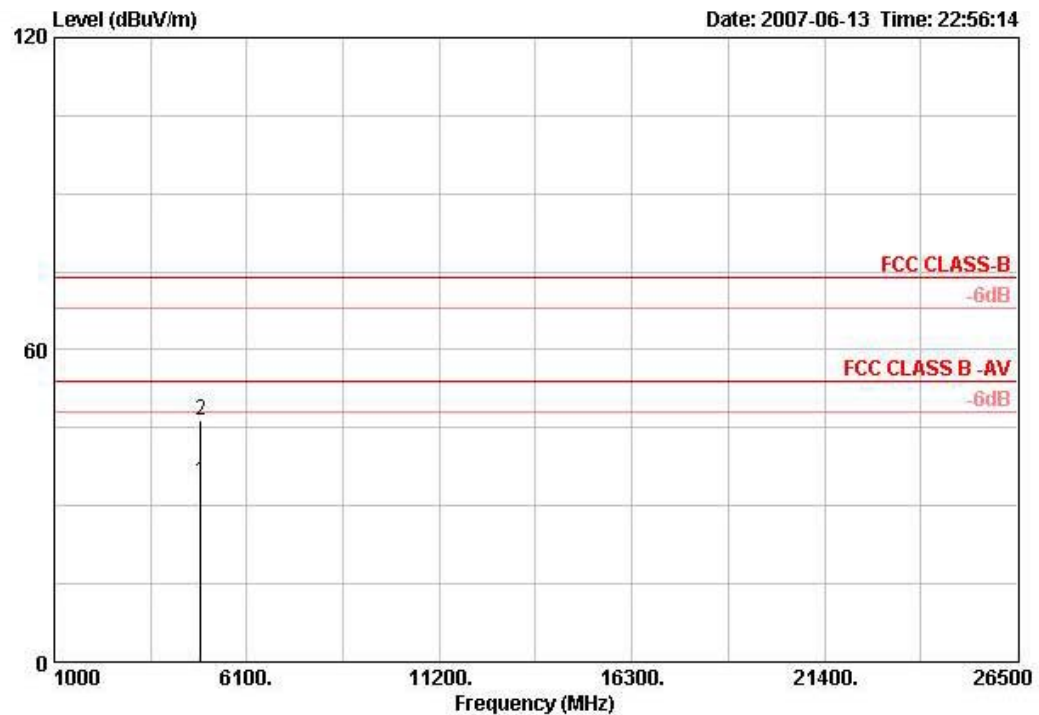
Vertical



	Freq	Read Level	Level	Limit Line	Over Limit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4823.520	41.21	43.40	74.00	-30.60	33.06	35.16	4.30	PEAK	100	341	VERTICAL
2	4823.640	30.64	32.83	54.00	-21.17	33.06	35.16	4.30	AVERAGE	100	341	VERTICAL

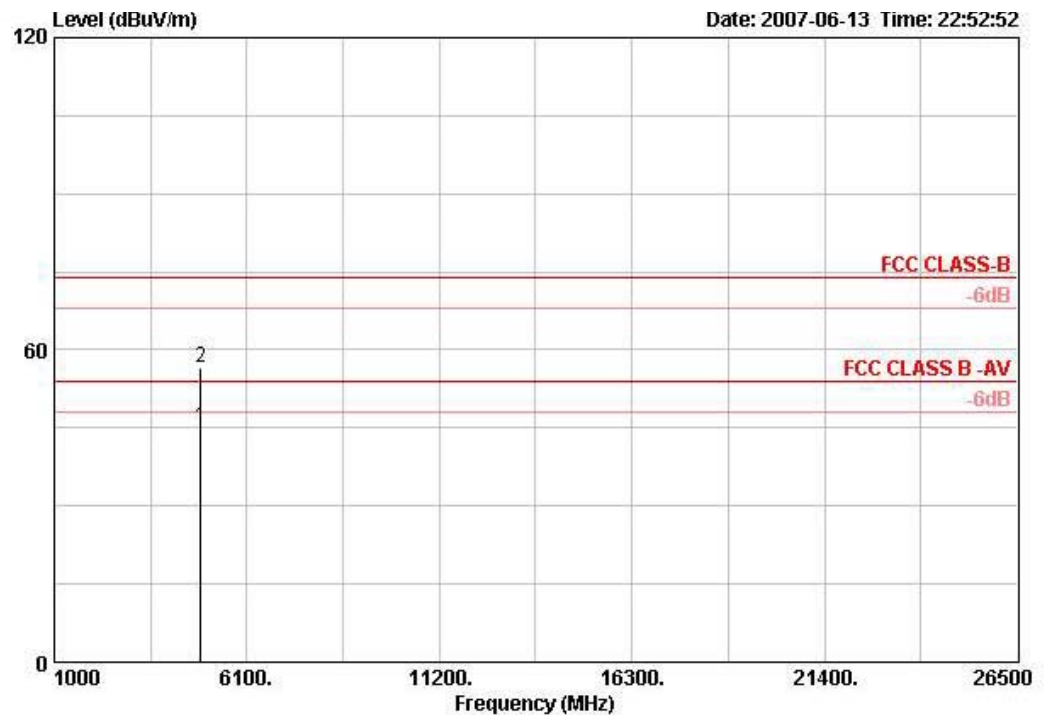
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g CH 6 / Ant. 2

Horizontal



		Read		Limit	OverAntenna	Preamp	Cable		Ant	Table		
	Freq	Level	Level	Line	Limit	Factor	Factor	Loss	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1 *	4872.400	32.22	34.53	54.00	-19.47	33.16	35.15	4.30	AVERAGE	118	138	HORIZONTAL
2	4874.600	44.27	46.58	74.00	-27.42	33.16	35.15	4.30	PEAK	118	138	HORIZONTAL

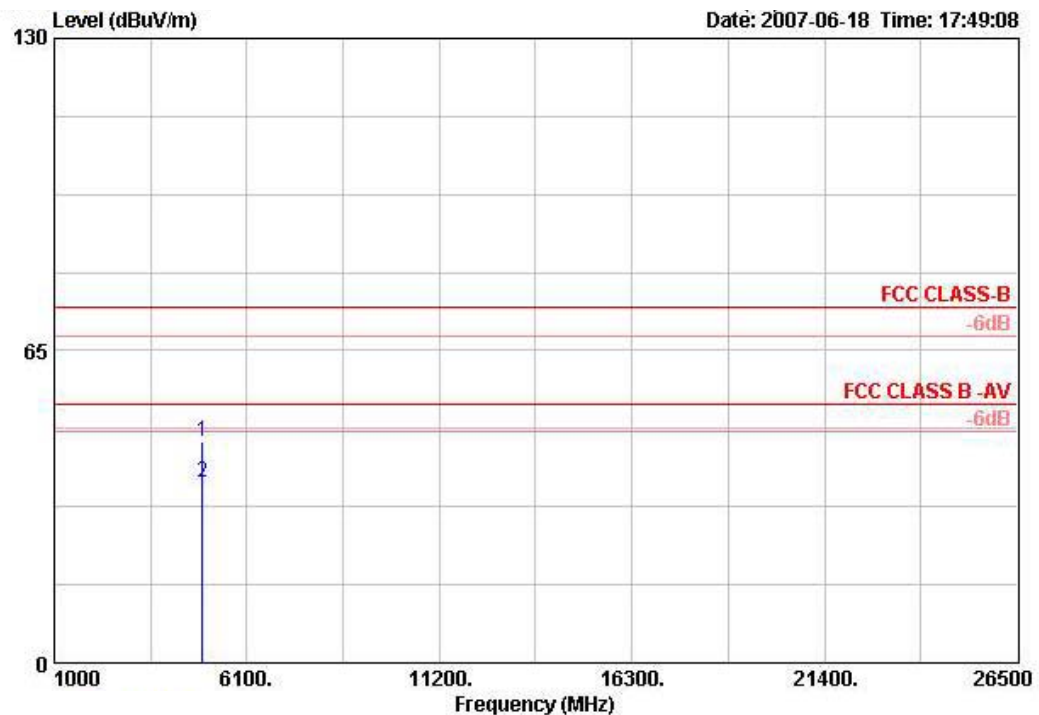
Vertical



		Read	Limit	Over	Antenna	Preamp	Cable		Ant	Table	
	Freq	Level	Line	Limit	Factor	Factor	Loss	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	4874.900	42.68	44.99	54.00	-9.01	33.16	35.15	4.30 AVERAGE	111	113	VERTICAL
2 *	4877.900	54.19	56.49	74.00	-17.51	33.16	35.15	4.30 PEAK	111	113	VERTICAL

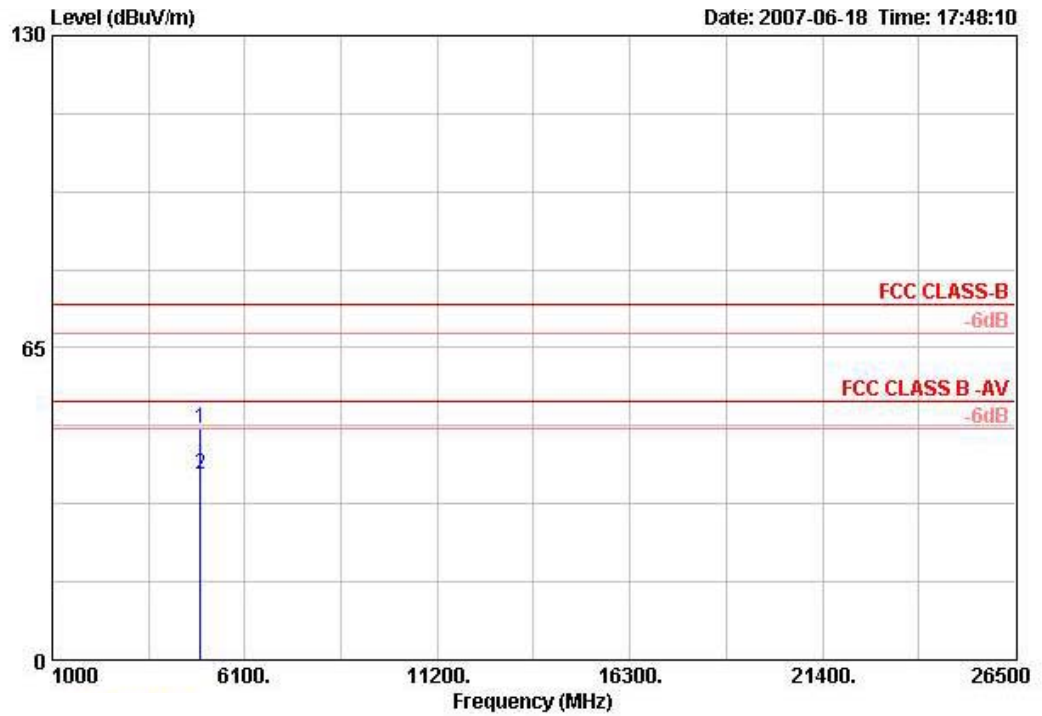
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g CH 11 / Ant. 2

Horizontal



	Freq	Read Level	Level	Limit Line	OverAntenna Limit	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB		cm	deg	
1	4921.260	38.30	45.92	74.00	-28.08	33.58	33.22	7.26 PEAK	100	0	HORIZONTAL
2	4925.680	30.01	37.63	54.00	-16.37	33.58	33.22	7.26 AVERAGE	100	0	HORIZONTAL

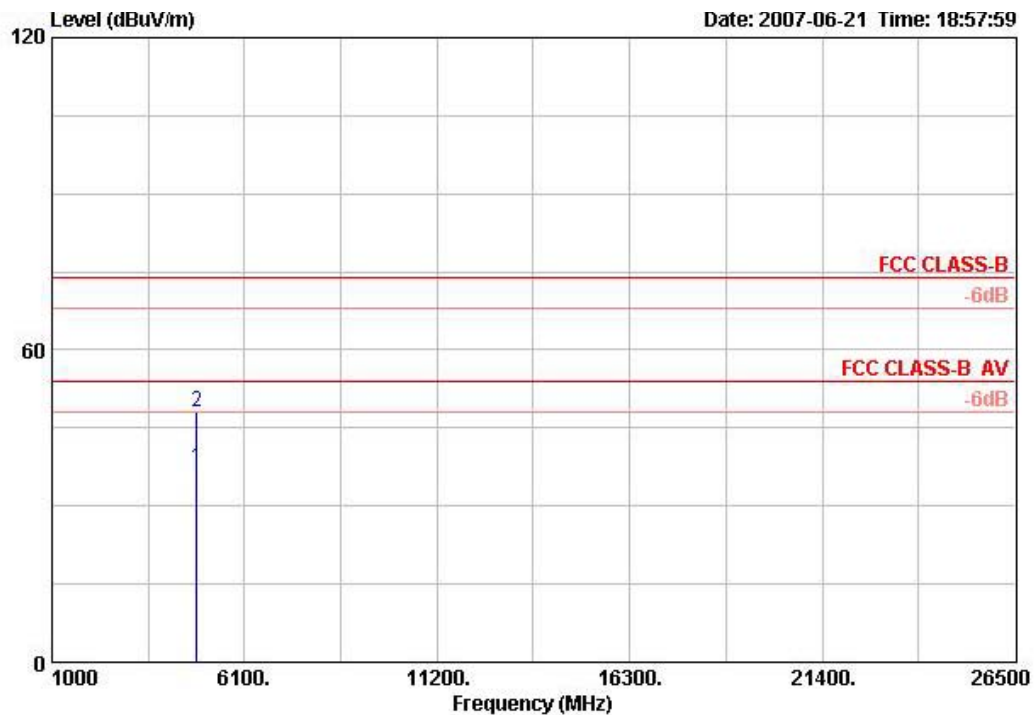
Vertical



	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4923.600	40.42	48.04	74.00	-25.96	33.58	33.22	7.26	PEAK	100	360	VERTICAL
2	4924.040	31.09	38.71	54.00	-15.29	33.58	33.22	7.26	AVERAGE	100	360	VERTICAL

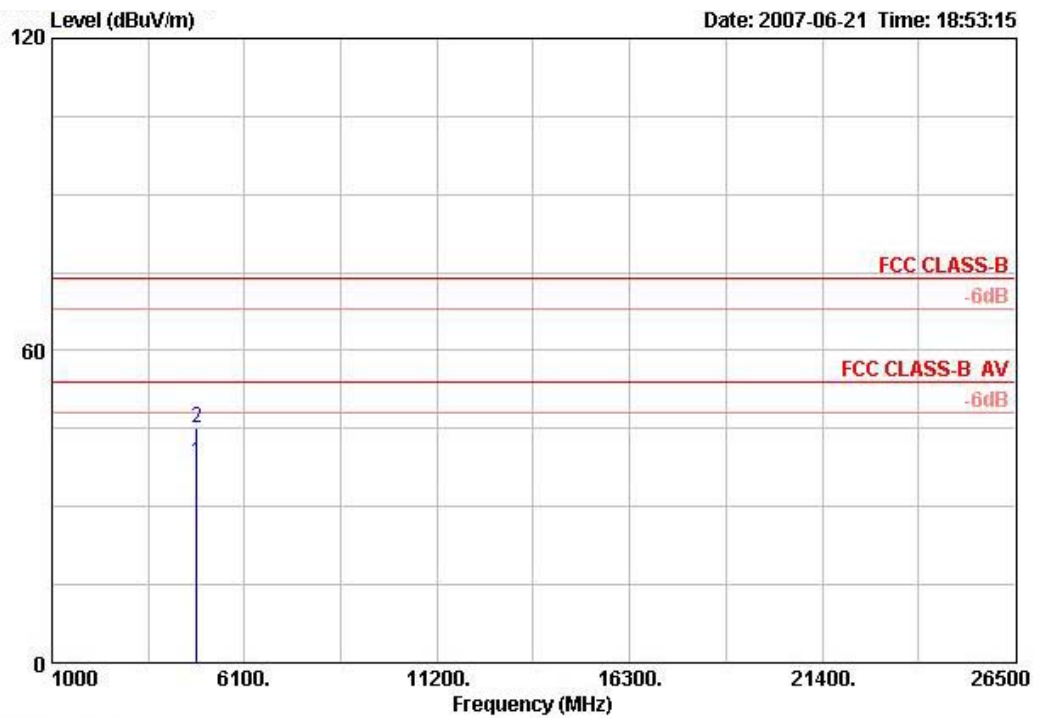
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11b CH 1 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4823.700	37.23	-16.77	54.00	29.86	33.39	7.21	33.24	AVERAGE	100	0
2	4824.240	47.90	-26.10	74.00	40.54	33.39	7.21	33.24	PEAK	100	0

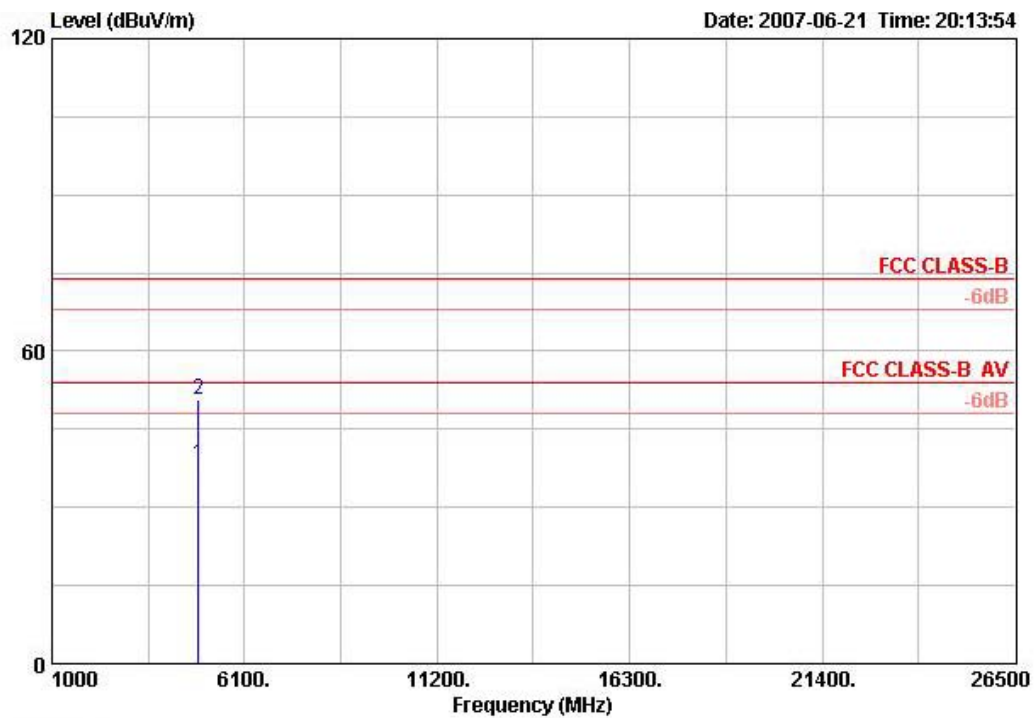
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	4823.900	38.74	-15.26	54.00	31.37	33.39	7.21	33.24	AVERAGE	100	275
2	4825.780	45.07	-28.93	74.00	37.70	33.39	7.21	33.24	PEAK	100	275

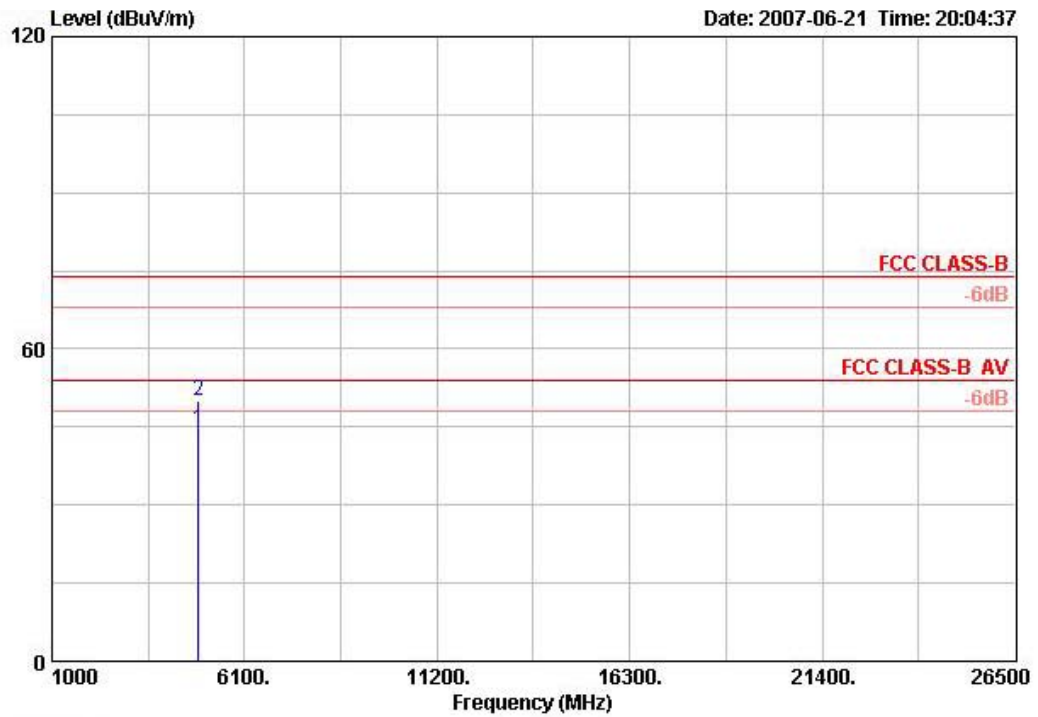
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11b CH 6 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4874.000	38.14	-15.86	54.00	30.65	33.48	7.24	33.23	AVERAGE	100	292
2	4874.000	50.70	-23.30	74.00	43.21	33.48	7.24	33.23	PEAK	100	292

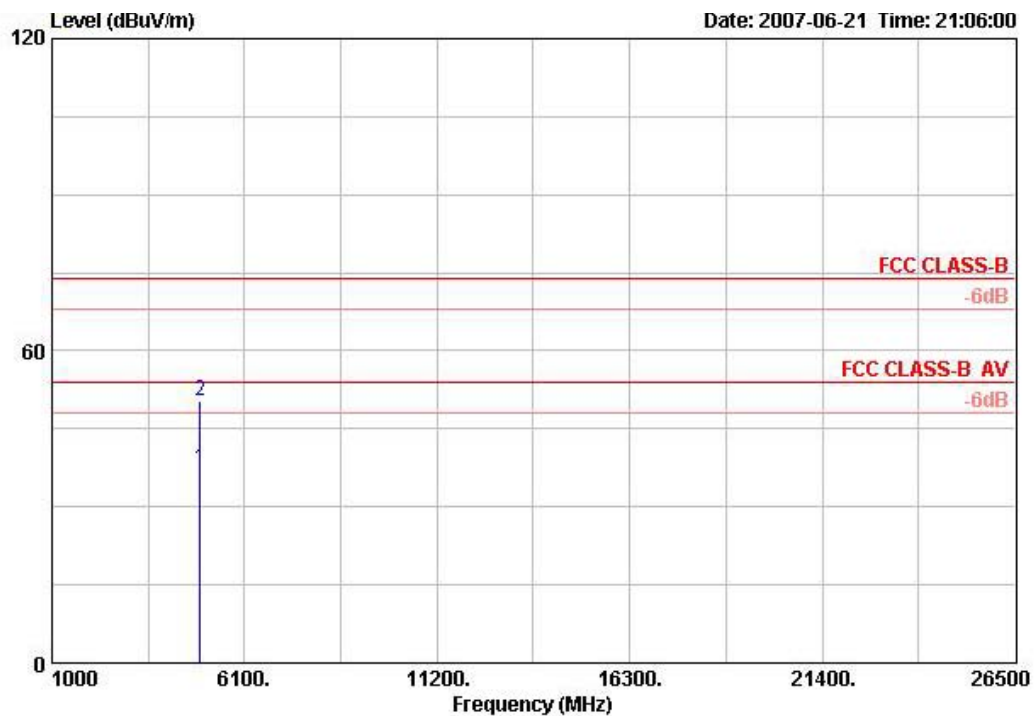
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	4873.940	44.35	-9.65	54.00	36.86	33.48	7.24	33.23	AVERAGE	131	272
2	4874.420	49.95	-24.05	74.00	42.45	33.48	7.24	33.23	PEAK	131	272

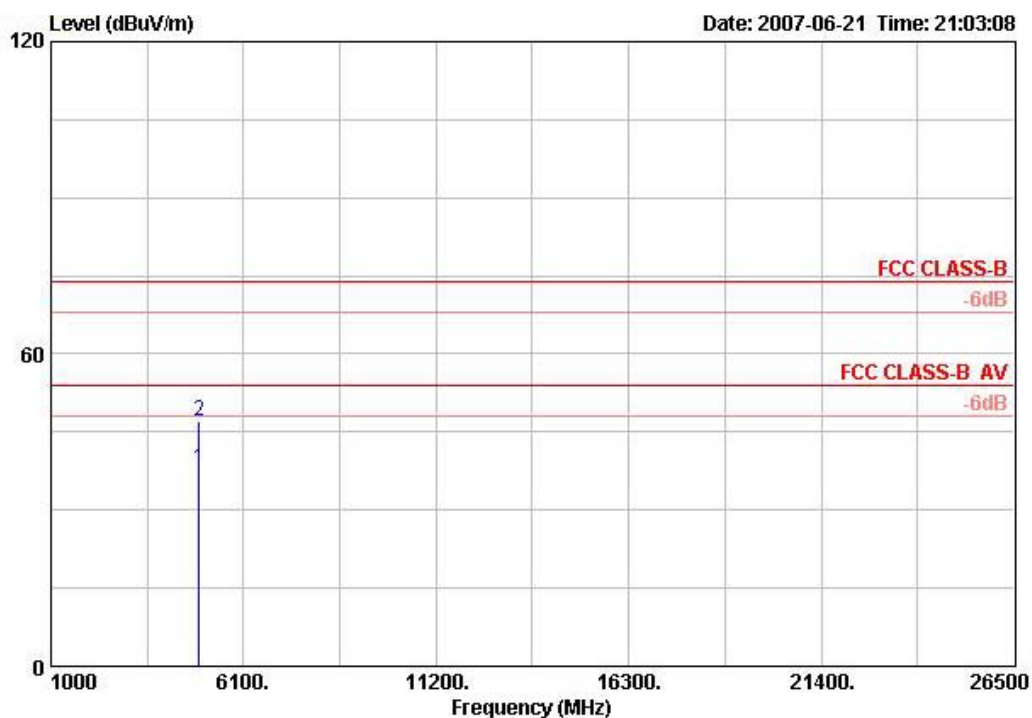
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11b CH 11 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4922.620	37.44	-16.56	54.00	29.82	33.58	7.26	33.22	AVERAGE	100	86
2	4928.140	50.27	-23.73	74.00	42.66	33.58	7.26	33.22	PEAK	100	86

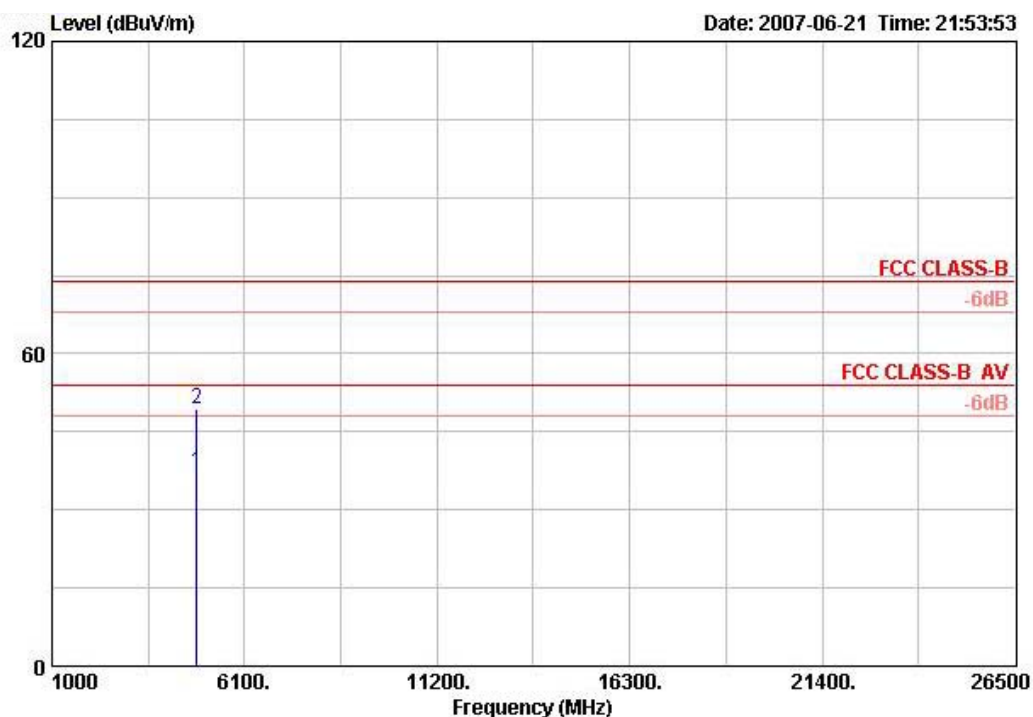
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4923.760	37.99	-16.01	54.00	30.37	33.58	7.26	33.22	AVERAGE	100	221
2	4923.980	47.16	-26.84	74.00	39.54	33.58	7.26	33.22	PEAK	100	221

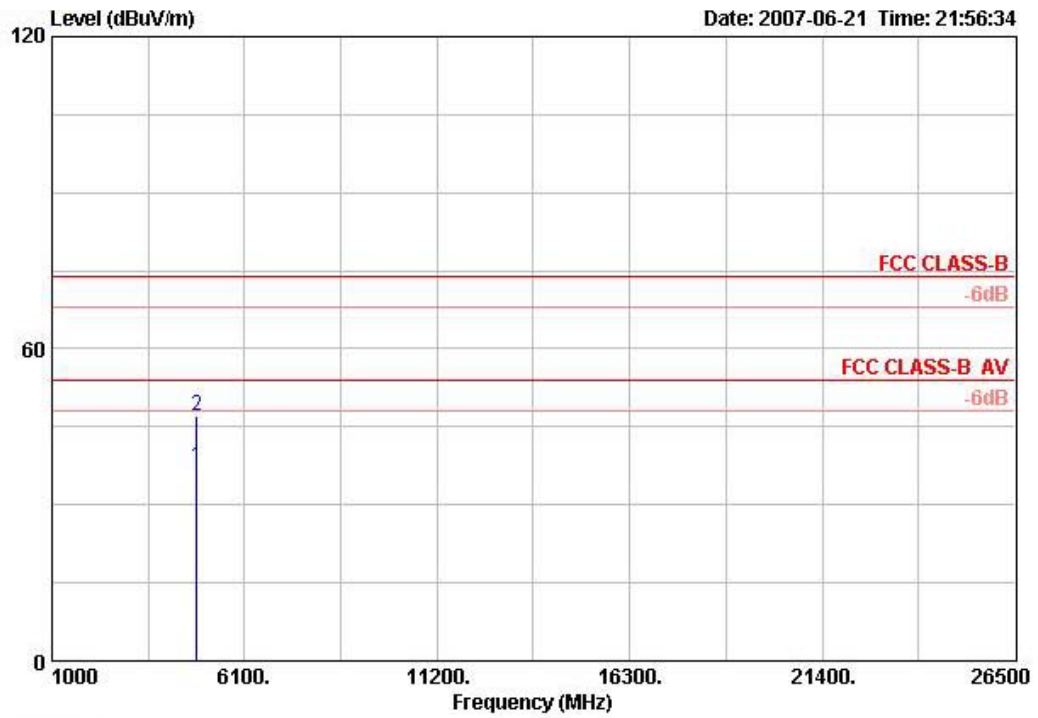
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g CH 1 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4824.000	37.21	-16.79	54.00	29.84	33.39	7.21	33.24	AVERAGE	100	0
2	4824.000	49.45	-24.55	74.00	42.08	33.39	7.21	33.24	PEAK	100	0

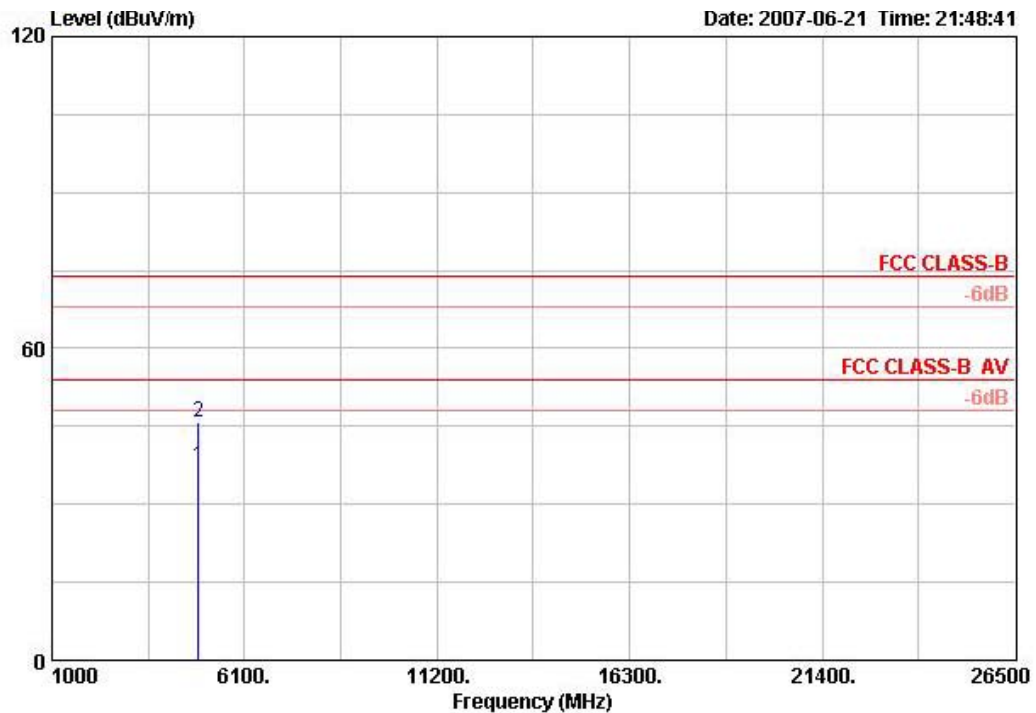
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4824.000	37.25	-16.75	54.00	29.88	33.39	7.21	33.24	AVERAGE	100	360
2	4824.000	47.24	-26.76	74.00	39.87	33.39	7.21	33.24	PEAK	100	360

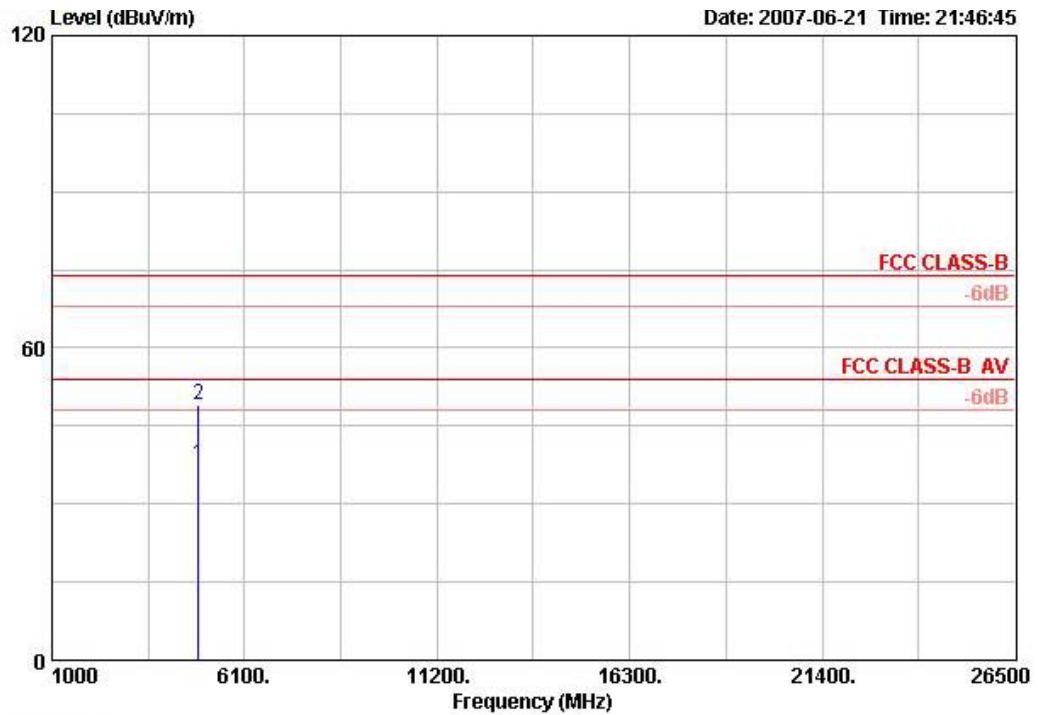
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g CH 6 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4874.000	37.25	-16.75	54.00	29.75	33.48	7.24	33.23	AVERAGE	0	0
2	4874.000	45.86	-28.14	74.00	38.37	33.48	7.24	33.23	PEAK	0	0

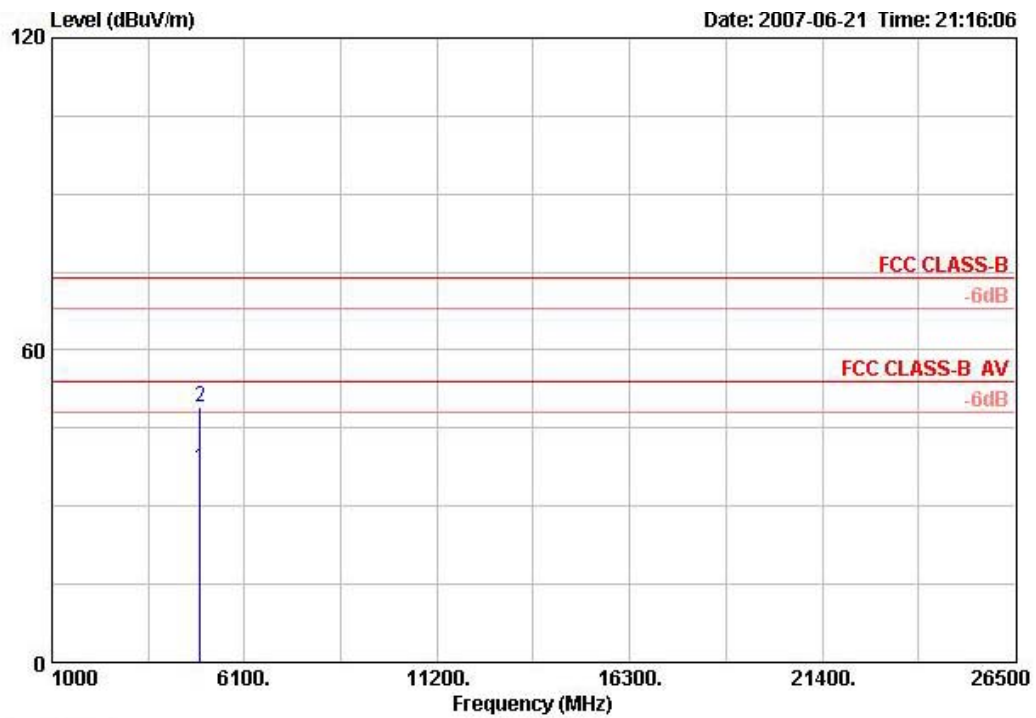
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	4874.000	37.52	-16.48	54.00	30.02	33.48	7.24	33.23 AVERAGE	100	360
2	4874.000	49.18	-24.82	74.00	41.68	33.48	7.24	33.23 PEAK	100	360

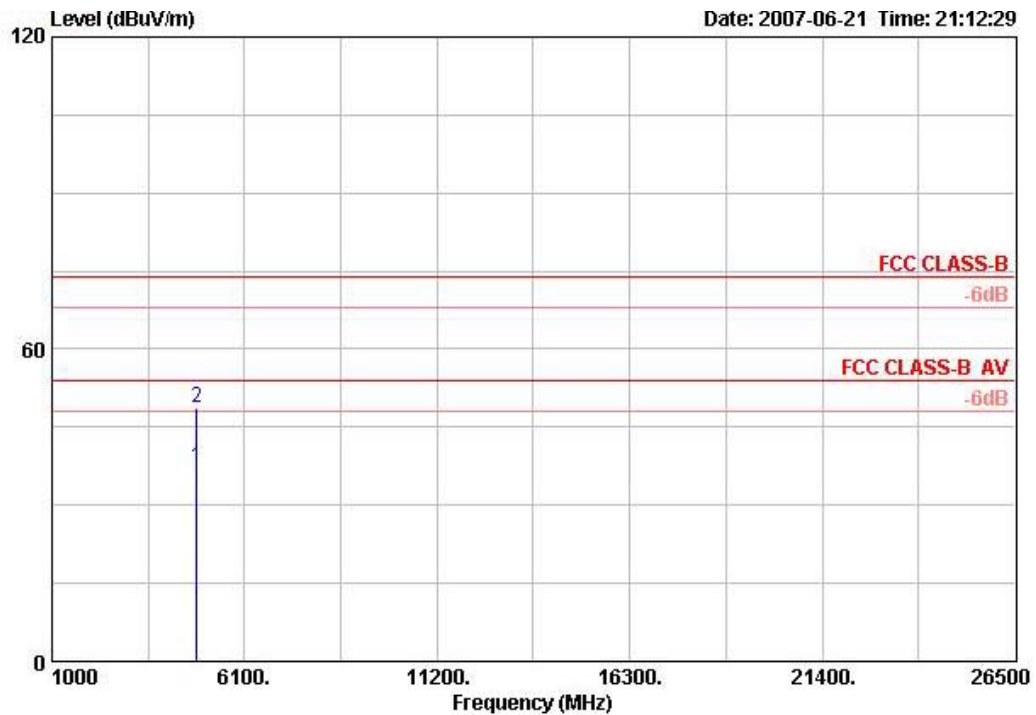
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g CH 11 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4924.000	37.23	-16.77	54.00	29.61	33.58	7.26	33.22	AVERAGE	100	0
2	4924.000	48.95	-25.05	74.00	41.33	33.58	7.26	33.22	PEAK	100	0

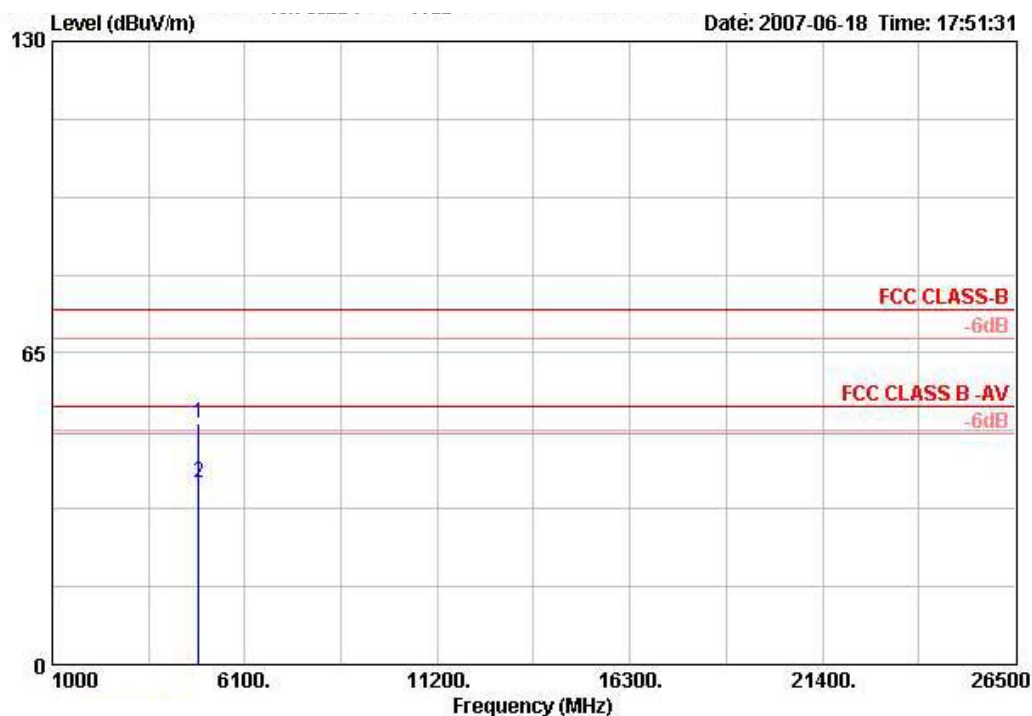
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	4824.000	37.24	-16.76	54.00	29.87	33.39	7.21	33.24 AVERAGE	100	360
2	4824.000	48.63	-25.37	74.00	41.26	33.39	7.21	33.24 PEAK	100	360

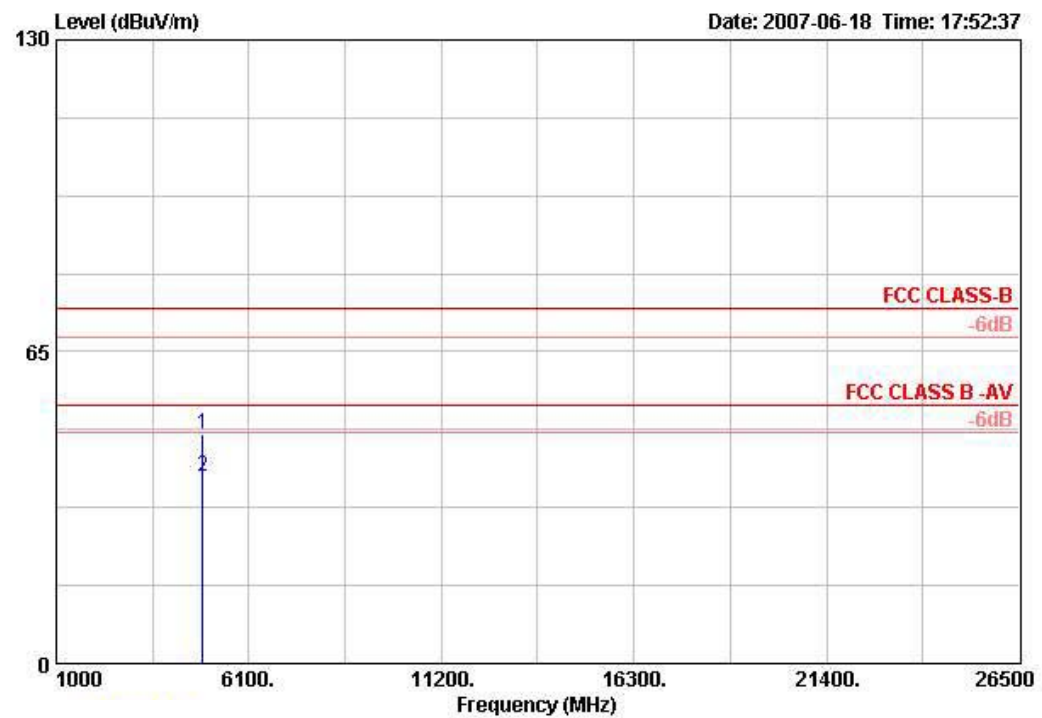
Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g Turbo CH 6 / Ant. 2

Horizontal



	Read	Limit	OverAntenna	Preamp	Cable		Ant	Table	
	Freq	Level	Line	Limit	Factor	Factor	Loss	Pos	Pos
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	cm	deg
1	4875.760	42.73	50.22	74.00	-23.78	33.48	33.23	7.24	PEAK
2	4875.800	30.51	38.00	54.00	-16.00	33.48	33.23	7.24	AVERAGE

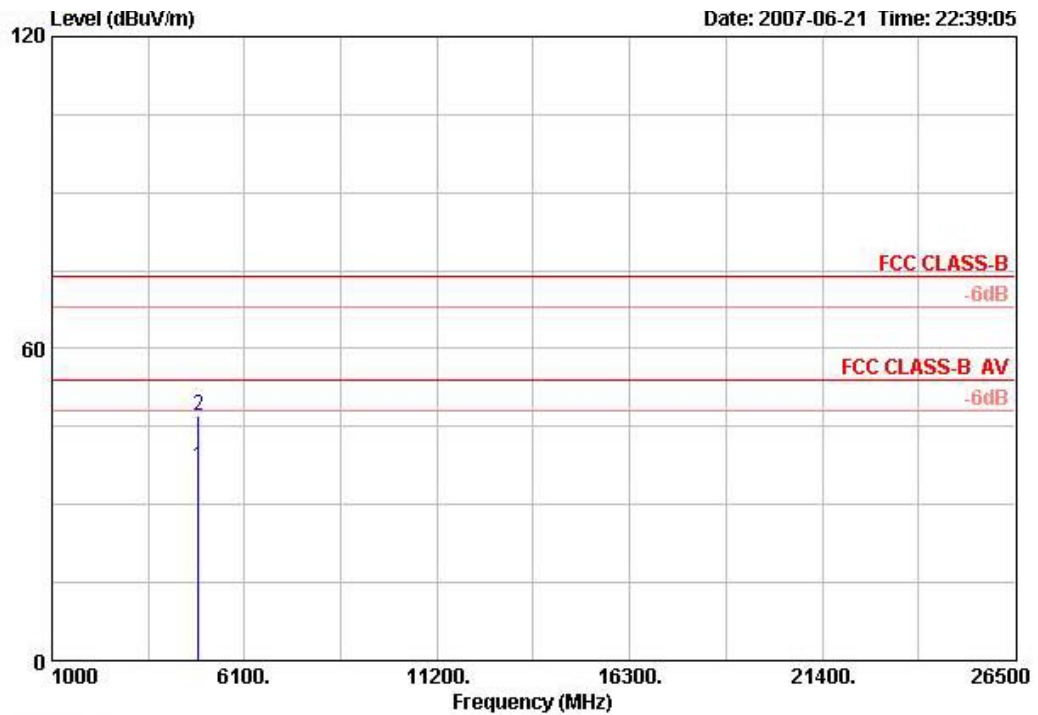
Vertical



	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1	4870.700	40.23	47.73	74.00	-26.27	33.48	33.23	7.24	PEAK	100	0	VERTICAL
2	4878.740	31.62	39.11	54.00	-14.89	33.48	33.23	7.24	AVERAGE	100	0	VERTICAL

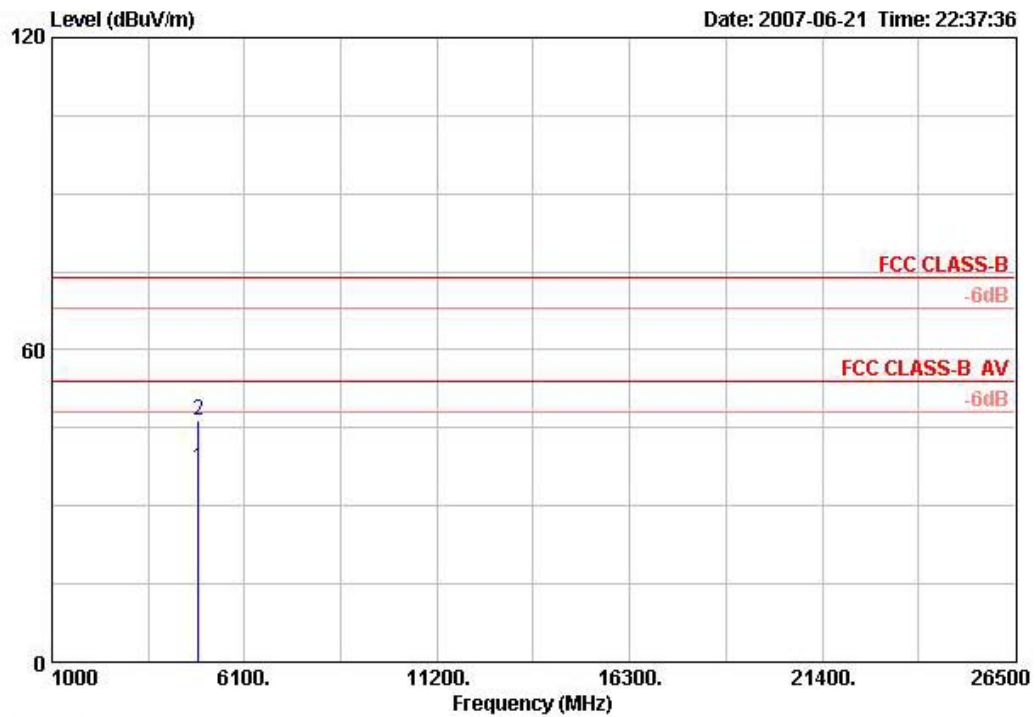
Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g Turbo CH 6 / Ant. 3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4874.000	37.24	-16.76	54.00	29.75	33.48	7.24	33.23	AVERAGE	100	0
2	4874.000	47.19	-26.81	74.00	39.69	33.48	7.24	33.23	PEAK	100	0

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4874.000	37.30	-16.70	54.00	29.81	33.48	7.24	33.23	AVERAGE	100	360
2	4874.000	46.52	-27.48	74.00	39.03	33.48	7.24	33.23	PEAK	100	360

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 - Preamplifier 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)	1 MHz / 1 MHz 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 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.

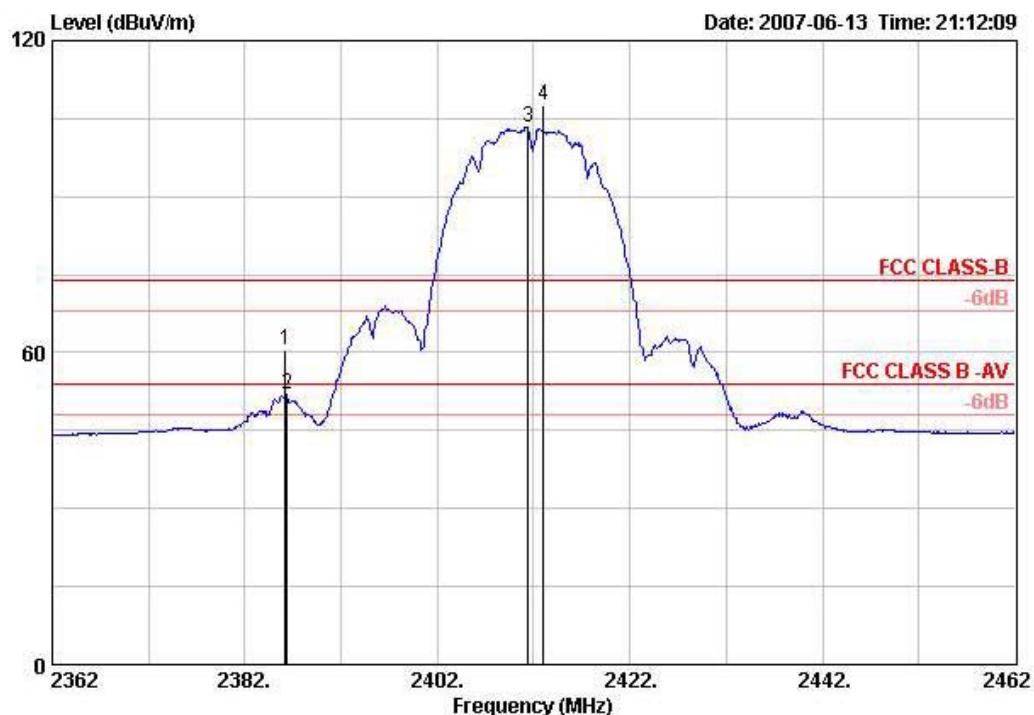
4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1, 11 / Ant. 2

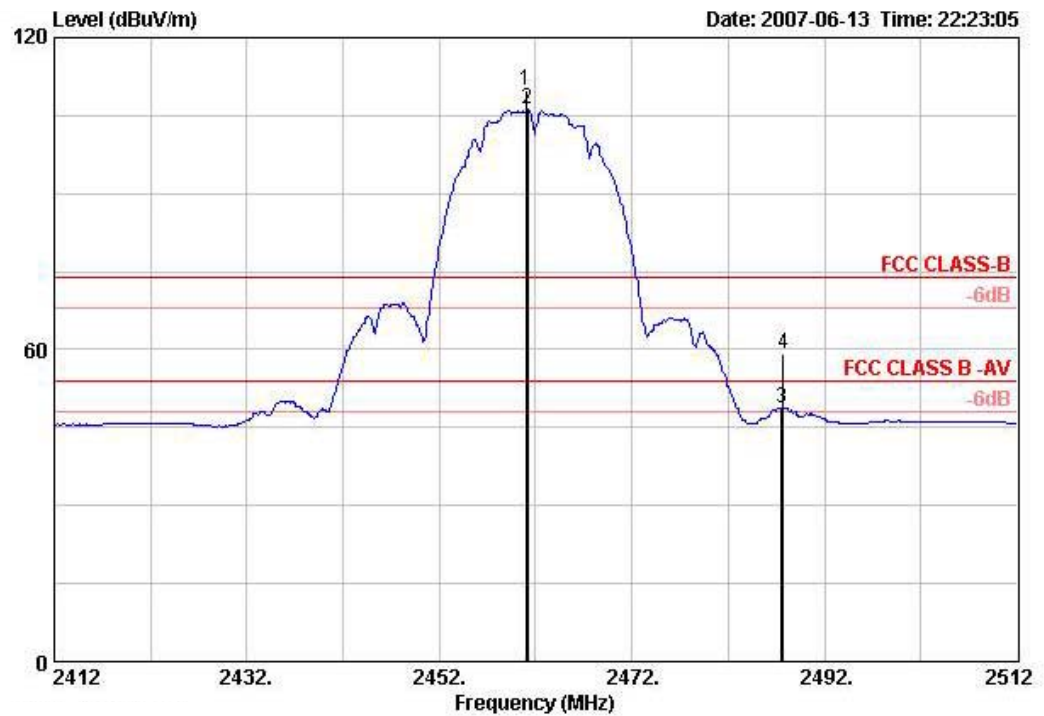
Channel 1



		Read	Limit	OverAntenna	Preamp	Cable			Ant	Table	
	Freq	Level	Line	Limit	Factor	Loss	Remark		Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB		cm	deg	
1 *	2386.200	29.59	60.53	74.00	-13.47	28.17	0.00	2.76 PEAK	100	282	VERTICAL
2 *	2386.400	21.15	52.09	54.00	-1.91	28.17	0.00	2.76 AVERAGE	100	282	VERTICAL
3 *	2411.400	72.30	103.30			28.21	0.00	2.79 AVERAGE	100	282	VERTICAL
4 *	2413.000	76.43	107.43			28.21	0.00	2.79 PEAK	100	282	VERTICAL

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

Channel 11

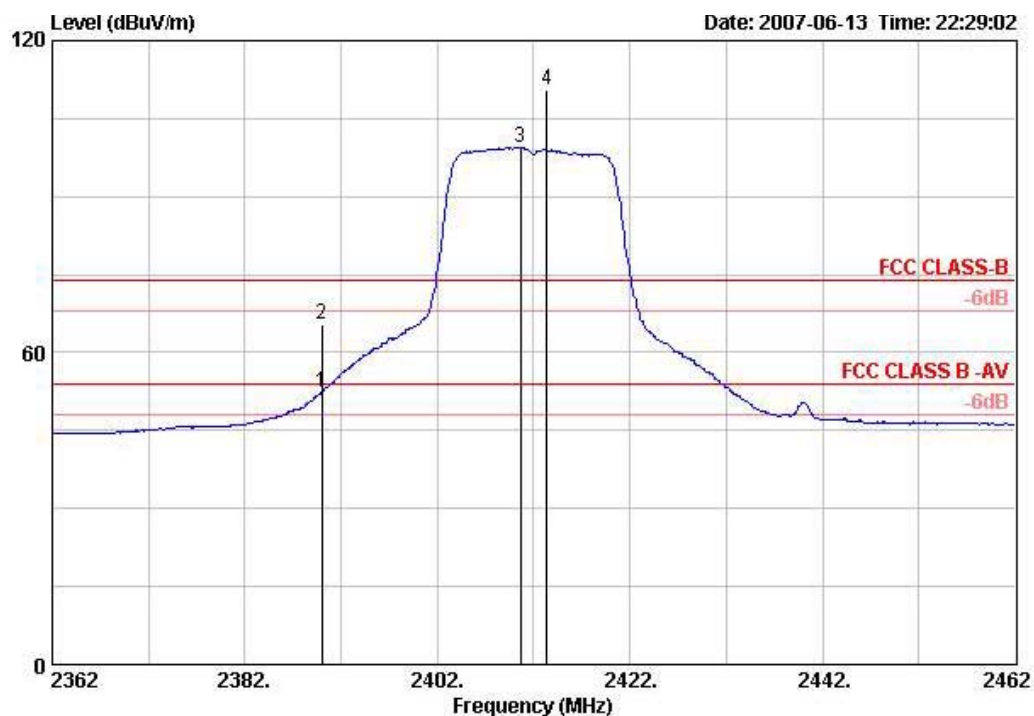


		Read	Limit	OverAntenna	Preamp	Cable		Ant	Table	
	Freq	Level	Line	Limit	Factor	Loss	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	2461.000	78.86	110.00		28.32	0.00	2.81 PEAK	118	242	VERTICAL
2 *	2461.200	75.05	106.18		28.32	0.00	2.81 AVERAGE	118	242	VERTICAL
3 *	2487.500	17.62	48.86	54.00	-5.14	28.40	0.00	118	242	VERTICAL
4 *	2487.700	27.98	59.22	74.00	-14.78	28.40	0.00	118	242	VERTICAL

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

Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1, 11 / Ant. 2

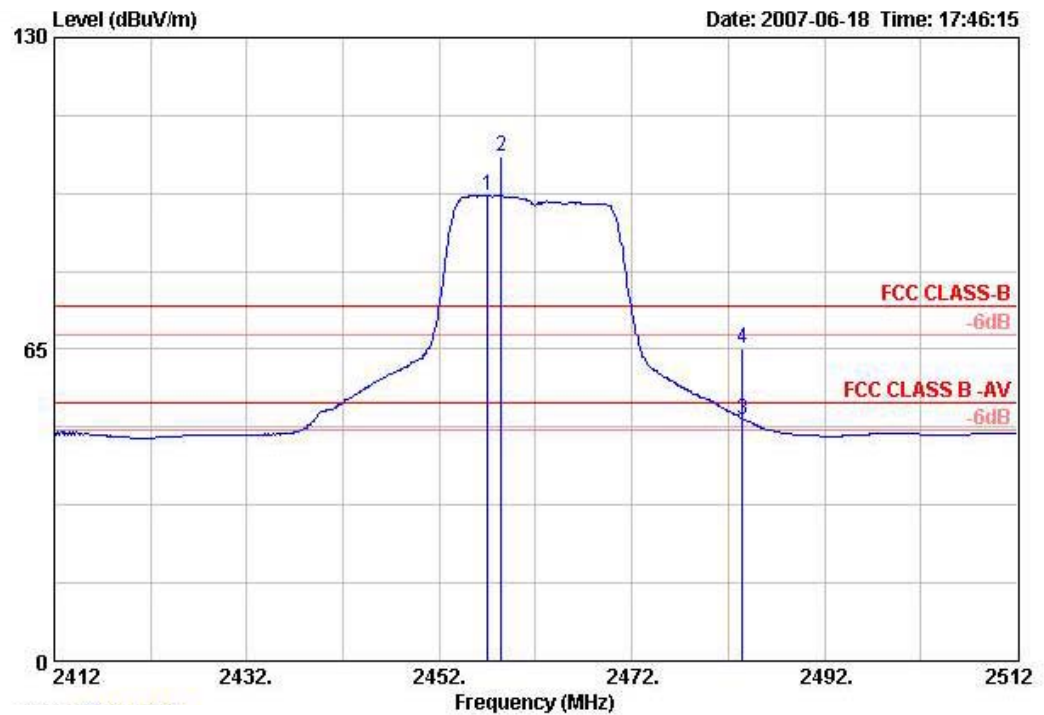
Channel 1



		Read	Limit	OverAntenna	Preamp	Cable			Ant	Table	
	Freq	Level	Line	Limit	Factor	Factor	Loss	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	
1 *	2390.000	21.30	52.23	54.00	-1.77	28.17	0.00	2.76 AVERAGE	100	299	VERTICAL
2 *	2390.000	34.41	65.34	74.00	-8.66	28.17	0.00	2.76 PEAK	100	299	VERTICAL
3 *	2410.600	68.46	99.46			28.21	0.00	2.79 AVERAGE	100	299	VERTICAL
4 *	2413.400	79.50	110.50			28.21	0.00	2.79 PEAK	100	299	VERTICAL

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

Channel 11

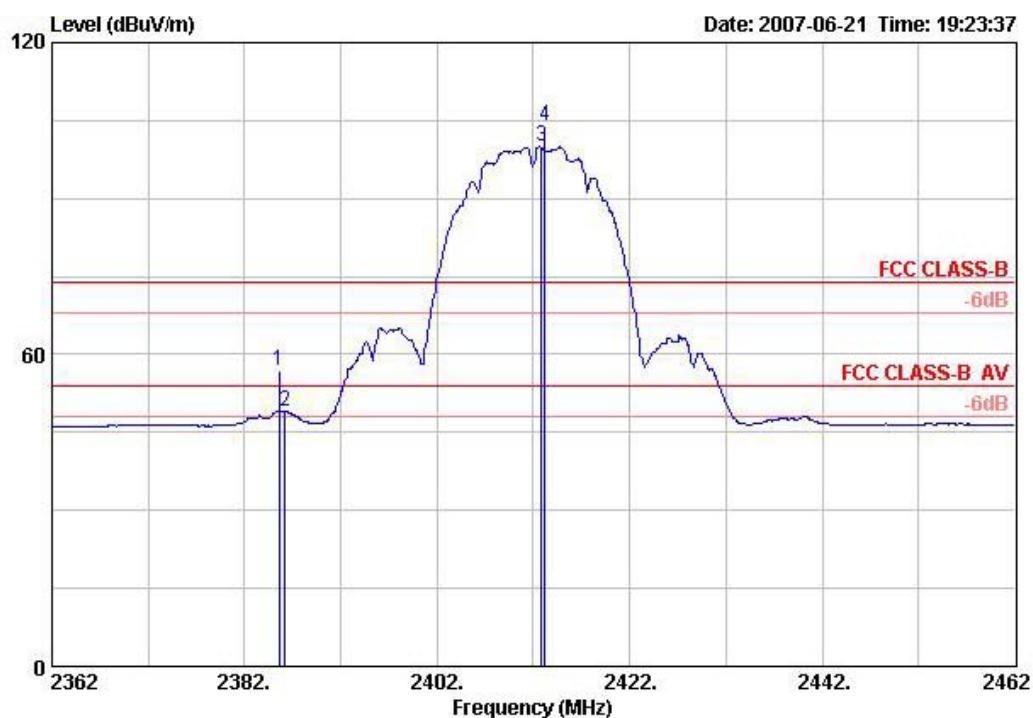


		Read		Limit	OverAntenna	Preamp	Cable		Ant	Table		
	Freq	Level	Level	Line	Limit	Factor	Factor	Loss	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m		dB	dB/m	dB		cm	deg	
1 *	2457.000	63.85	97.13			28.22	0.00	5.07	AVERAGE	100	71	VERTICAL
2 *	2458.400	72.05	105.33			28.22	0.00	5.07	PEAK	100	71	VERTICAL
3 !	2483.500	17.07	50.44	54.00	-3.56	28.26	0.00	5.11	AVERAGE	100	71	VERTICAL
4	2483.500	31.67	65.04	74.00	-8.96	28.26	0.00	5.11	PEAK	100	71	VERTICAL

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

Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11b CH 1, 11 / Ant. 3

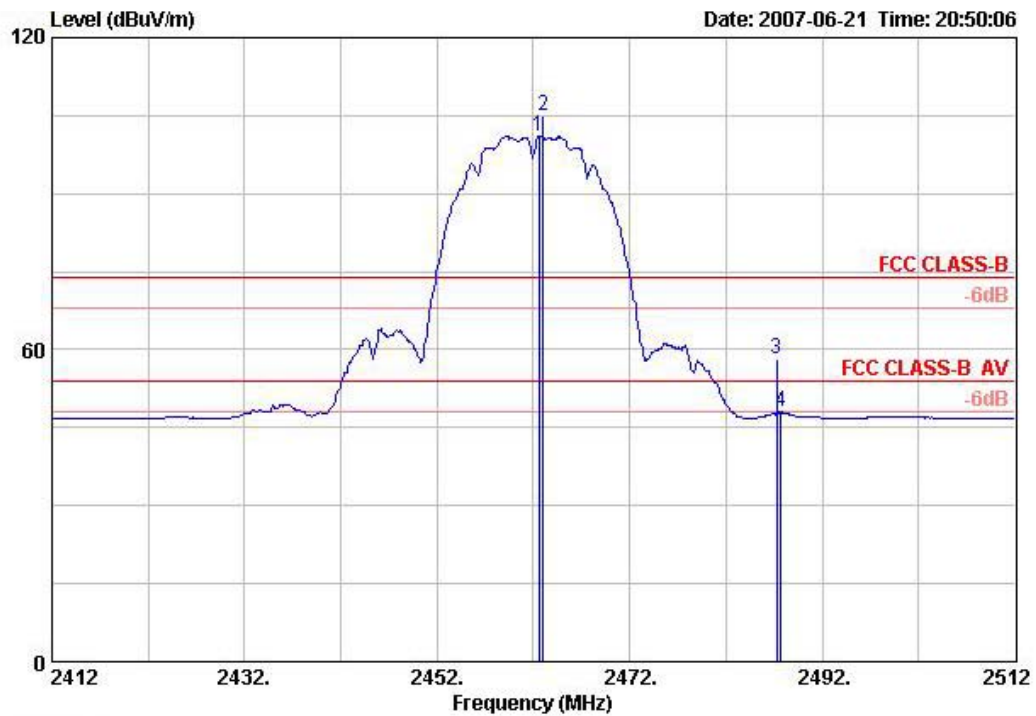
Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	2385.600	57.00	-17.00	74.00	23.98	28.05	4.97	0.00	PEAK	100	52
2 @	2386.200	49.14	-4.86	54.00	16.12	28.05	4.97	0.00	AVERAGE	100	52
3 @	2412.800	100.07			67.00	28.09	4.98	0.00	AVERAGE	100	52
4 @	2413.200	104.00			70.93	28.09	4.98	0.00	PEAK	100	52

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

Channel 11

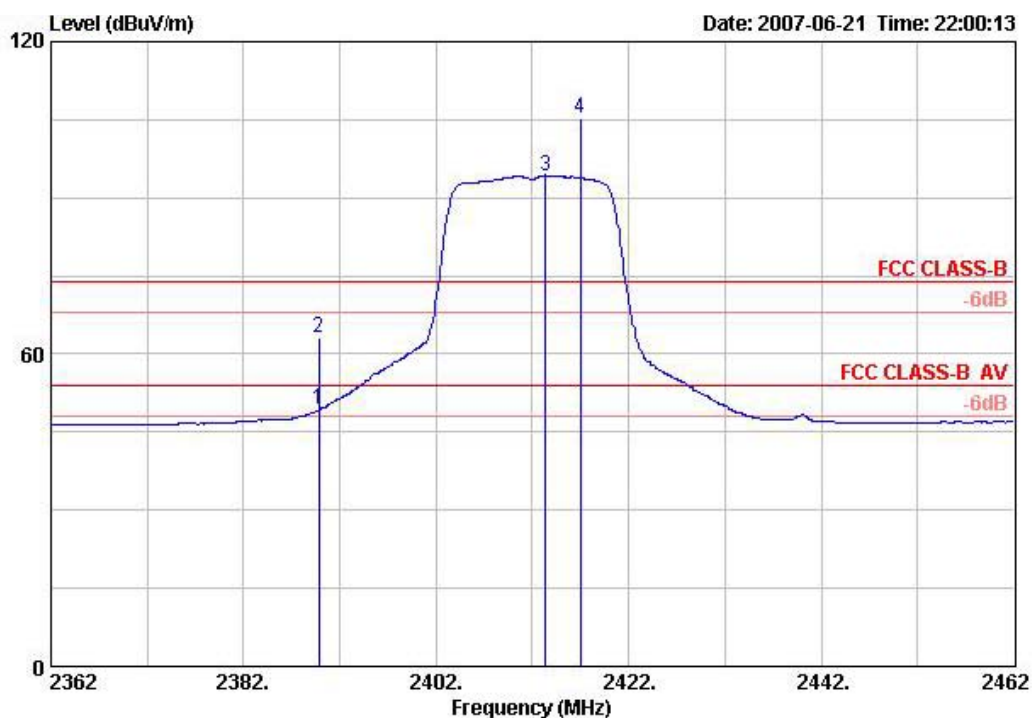


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	2462.600	101.11			67.83	28.22	5.07	0.00	AVERAGE	100	49
2 @	2463.000	105.02			71.73	28.22	5.07	0.00	PEAK	100	49
3	2487.300	58.34	-15.66	74.00	24.97	28.26	5.11	0.00	PEAK	100	49
4 @	2487.700	47.97	-6.03	54.00	14.56	28.30	5.11	0.00	AVERAGE	100	49

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

Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g CH 1, 11 / Ant. 3

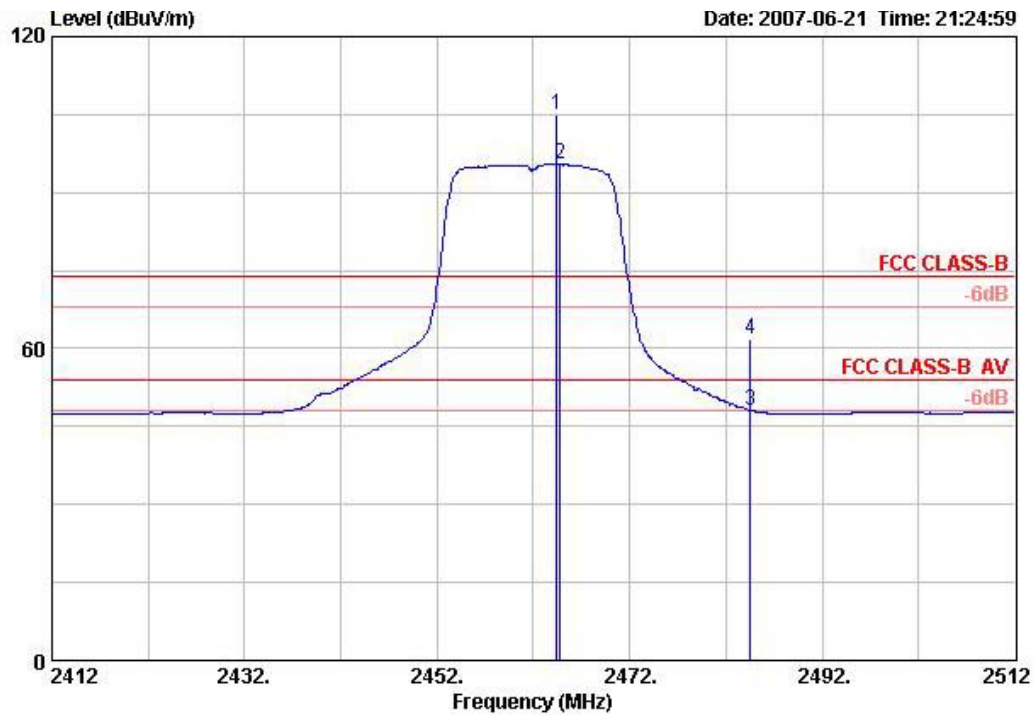
Channel 1



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	2389.800	49.26	-4.74	54.00	16.23	28.05	4.98	0.00	AVERAGE	100	99
2 @	2389.800	63.07	-10.93	74.00	30.04	28.05	4.98	0.00	PEAK	100	99
3 @	2413.400	94.32			61.25	28.09	4.98	0.00	AVERAGE	100	99
4 @	2417.000	105.33			72.22	28.09	5.02	0.00	PEAK	100	99

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

Channel 11

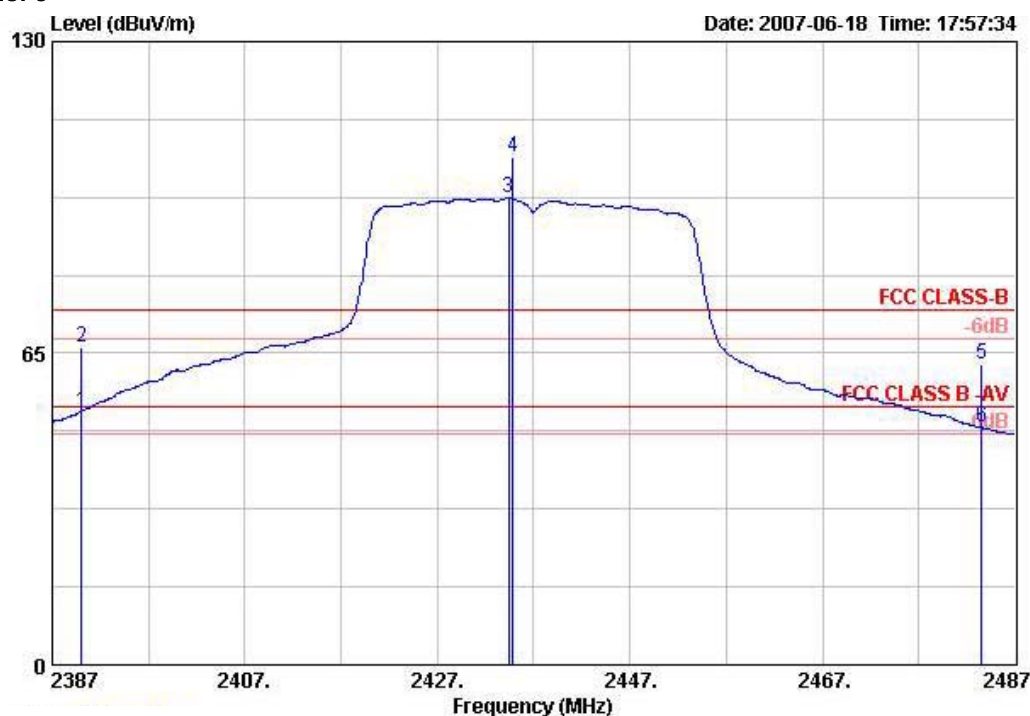


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	2464.400	104.89			71.61	28.22	5.07	0.00	PEAK	113	70
2 @	2464.800	95.42			62.14	28.22	5.07	0.00	AVERAGE	113	70
3 @	2484.500	48.16	-5.84	54.00	14.79	28.26	5.11	0.00	AVERAGE	113	70
4 @	2484.500	61.81	-12.19	74.00	28.44	28.26	5.11	0.00	PEAK	113	70

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

Temperature	23°C	Humidity	62%
Test Engineer	Jacky Ho	Configurations	802.11g Turbo CH 6 / Ant. 2

Turbo Channel 6

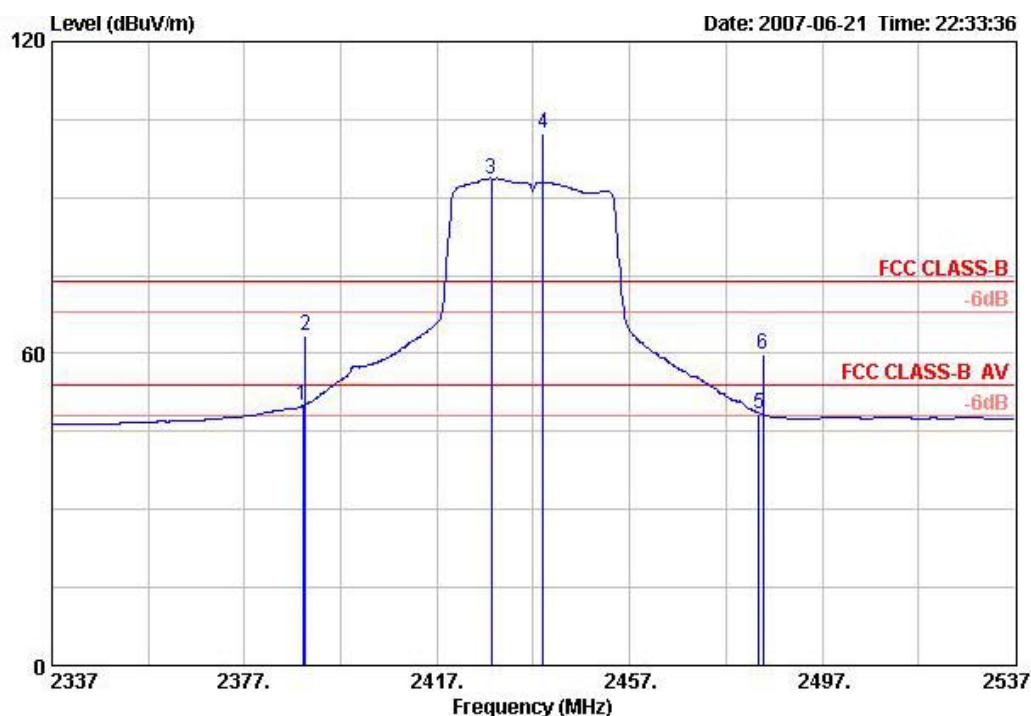


	Freq	Read Level	Level	Limit Line	OverLimit	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV	dBuV/m	dBuV/m	dB	dB/m	dB	dB		cm	deg	
1 *	2390.000	19.71	52.75	54.00	-1.25	28.05	0.00	4.98	AVERAGE	100	334	VERTICAL
2	2390.000	33.31	66.34	74.00	-7.66	28.05	0.00	4.98	PEAK	100	334	VERTICAL
3 *	2434.400	64.11	97.27			28.13	0.00	5.02	AVERAGE	100	334	VERTICAL
4 *	2434.800	72.61	105.77			28.13	0.00	5.02	PEAK	100	334	VERTICAL
5	2483.500	29.26	62.62	74.00	-11.38	28.26	0.00	5.11	PEAK	100	334	VERTICAL
6 !	2483.500	16.11	49.48	54.00	-4.52	28.26	0.00	5.11	AVERAGE	100	334	VERTICAL

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

Temperature	23°C	Humidity	62%
Test Engineer	Sam Chen	Configurations	802.11g Turbo CH 6 / Ant. 3

Turbo Channel 6



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	2389.200	49.95	-4.05	54.00	16.93	28.05	4.97	0.00	AVERAGE	100	85
2 @	2389.600	63.43	-10.57	74.00	30.41	28.05	4.97	0.00	PEAK	100	85
3 @	2428.200	93.64			60.48	28.13	5.02	0.00	AVERAGE	100	85
4 @	2439.000	102.22			69.02	28.18	5.02	0.00	PEAK	100	85
5 @	2483.900	48.51	-5.49	54.00	15.14	28.26	5.11	0.00	AVERAGE	100	85
6 @	2484.700	59.97	-14.03	74.00	26.60	28.26	5.11	0.00	PEAK	100	85

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

Note:

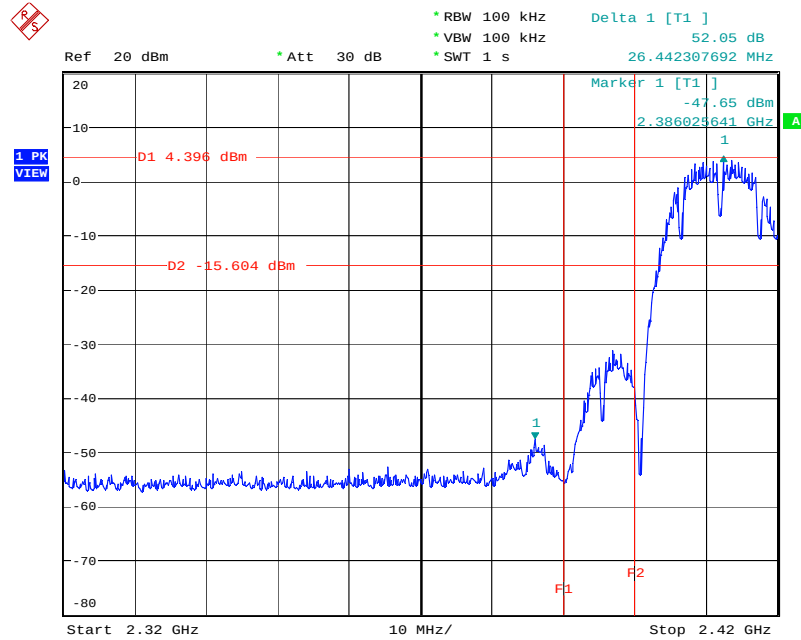
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

For Emission not in Restricted Band

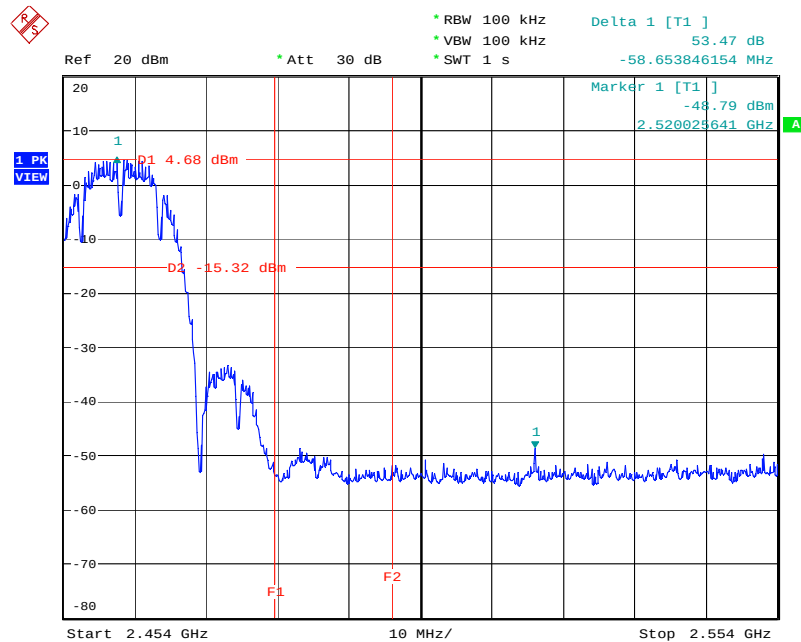
Ant. 2 & Ant. 3

Low Band Edge Plot on Configuration IEEE 802.11b / 2412 MHz



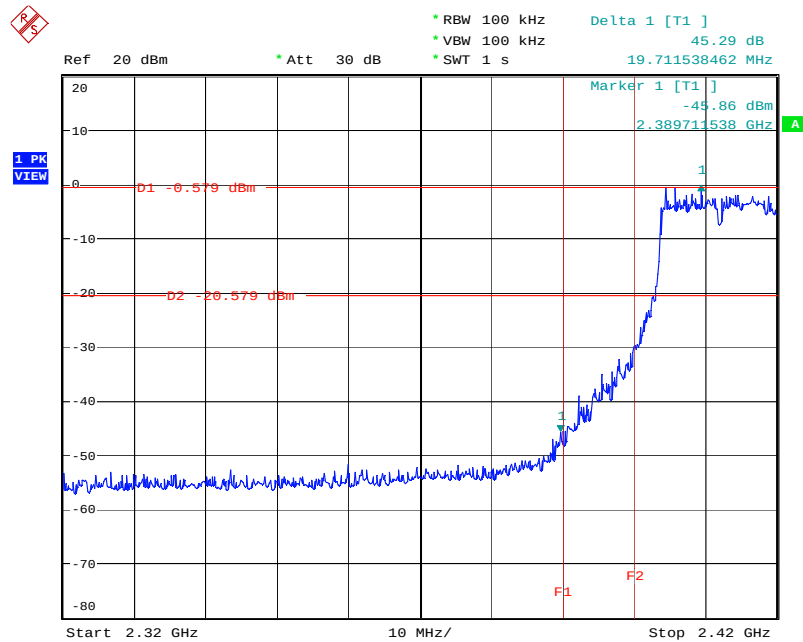
Date: 23. JUN. 2007 10:39:31

High Band Edge Plot on Configuration IEEE 802.11b / 2462 MHz



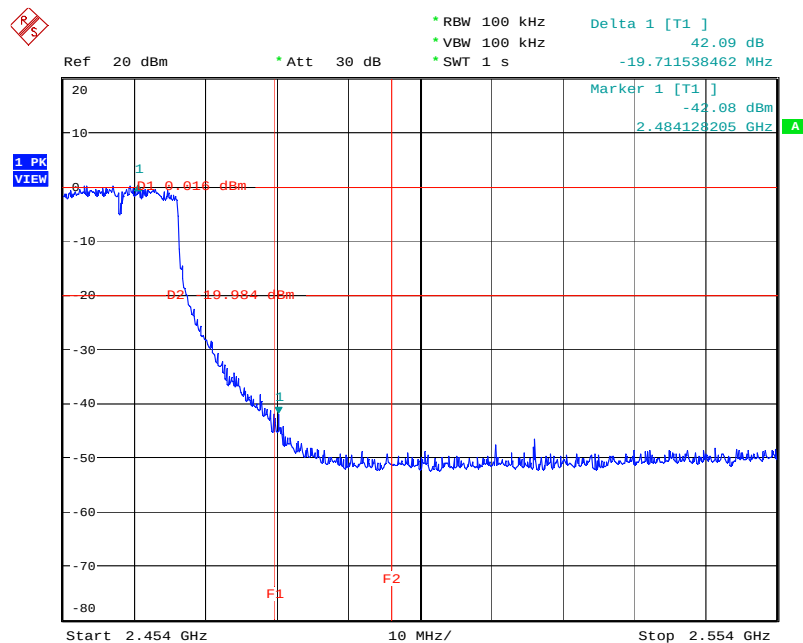
Date: 23. JUN. 2007 10:42:52

Low Band Edge Plot on Configuration IEEE 802.11g / 2412 MHz



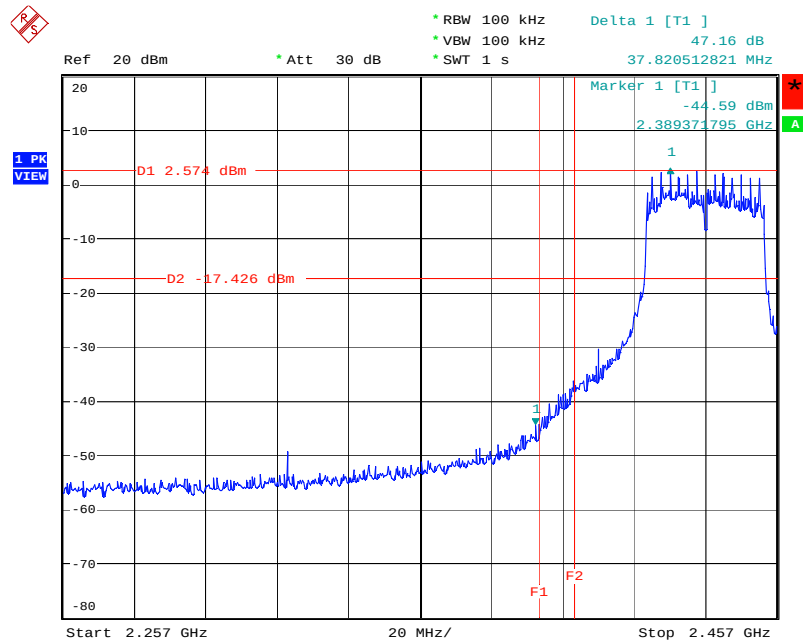
Date: 23.JUN.2007 11:04:36

High Band Edge Plot on Configuration IEEE 802.11g / 2462 MHz



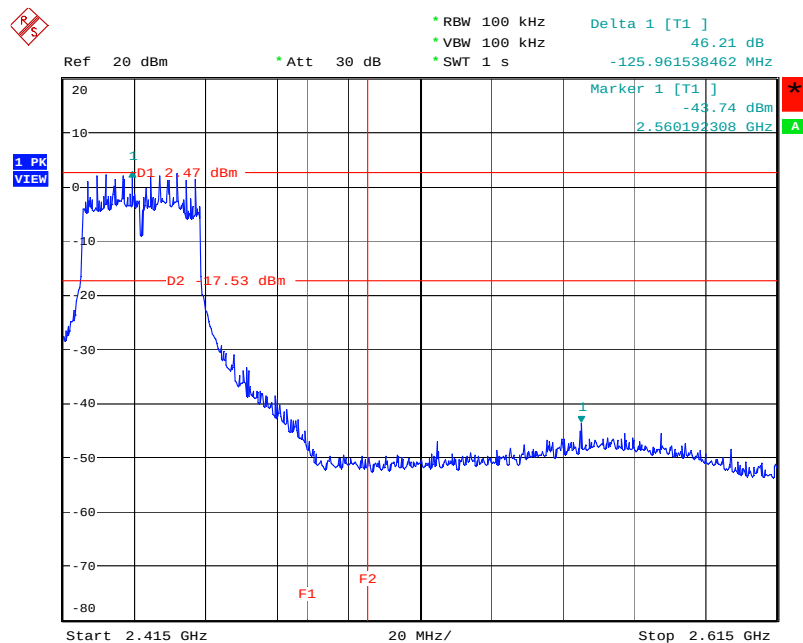
Date: 23.JUN.2007 11:28:45

Low Band Edge Plot on Configuration IEEE 802.11g Turbo / 2437 MHz



Date: 23.JUN.2007 11:06:25

High Band Edge Plot on Configuration IEEE 802.11g Turbo/ 2437 MHz



Date: 23.JUN.2007 11:06:35

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
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2007	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	CPA9231A	1886	9 kHz - 2 GHz	Jan. 22, 2007	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jun.07, 2007	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004/040	9 kHz - 40 GHz	Sep. 21, 2006	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2006*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz - 1 GHz	Jul. 24, 2006	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	May 04, 2007	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	NCR	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 02, 2006	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 02, 2006	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)
EMC Receiver	R&S	ESCS 30	100359	9kHz - 2.75GHz	Mar. 01, 2007	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz - 30MHz	Mar. 31, 2007	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz - 30MHz	Mar. 22, 2007	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz - 30MHz	Apr. 20, 2007	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz - 30MHz	Mar. 26, 2007	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	Conduction (CO04-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Dec. 17, 2006	Conducted (TH01-HY)
Power Meter	R&S	NRVD	100764	DC ~ 40GHz	Jul. 20, 2006	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100666	DC ~ 40GHz	Jul. 20, 2006	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jun. 27, 2007	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	May 04, 2007*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 03, 2007	Conducted (TH01-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Oct. 02, 2006	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2006	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2006	Conducted (TH01-HY)
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	Nov. 14, 2006	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 07, 2007	Conducted (TH01-HY)

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

* Calibration Interval of instruments listed above is two year.

NCR means Non-Calibration required.

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 2 nd 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



Certificate No. : LI190-070110

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



Jay-San Chen
President, Taiwan Accreditation Foundation
Date : January 10, 2007

PI, total 9 pages

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