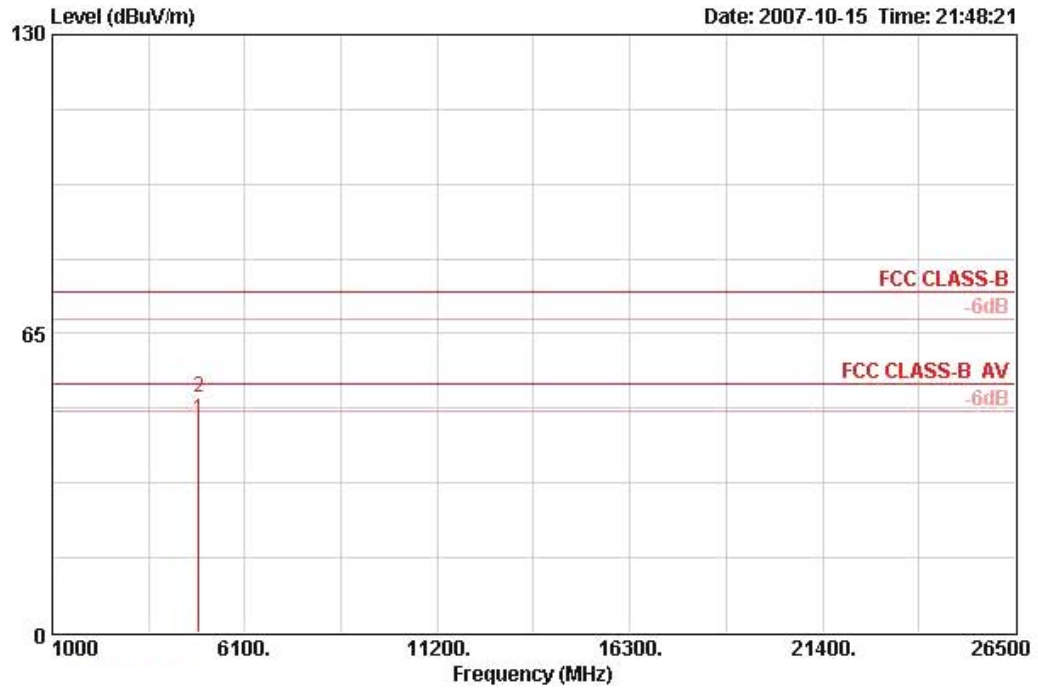


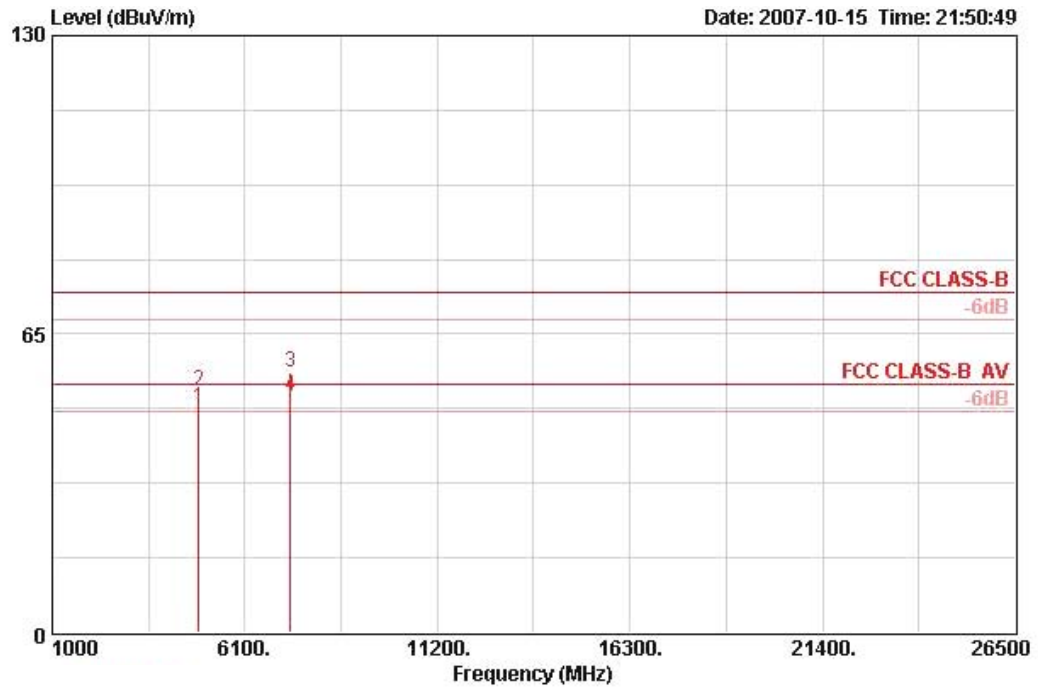
Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 6 Ant. B-1 / Mode 2

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBUV	dB/m	dB	dB
1	4874.000	46.17	-7.83	54.00	AVERAGE	HORIZONTAL	3	43.61	33.16	4.55	35.15
2	4874.060	51.09	-22.91	74.00	PEAK	HORIZONTAL	3	48.54	33.16	4.55	35.15

**Vertical**

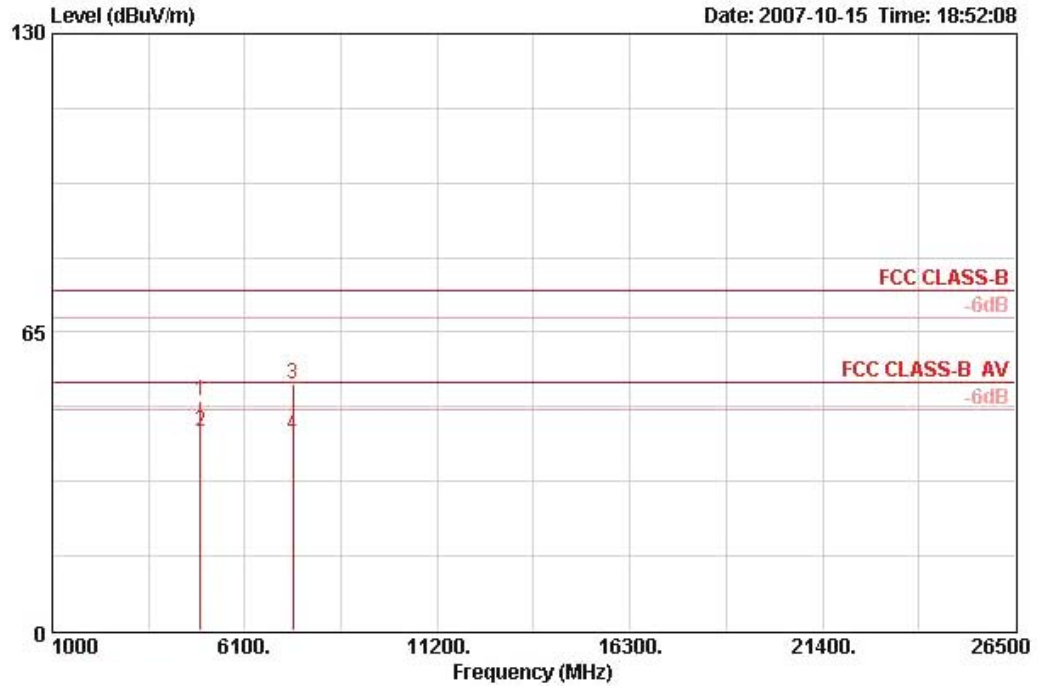


	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance	ReadAntenna	Cable	Preamp
	MHz	dBuV/m	Limit	dB	dBuV/m		m	Level	Factor	Loss
			dB					dBuV	dB/m	dB
1	4873.980	48.96	-5.04	54.00	AVERAGE	VERTICAL	3	46.41	33.16	4.55
2	4873.980	52.74	-21.26	74.00	PEAK	VERTICAL	3	50.19	33.16	4.55
3	7307.180	56.60	-17.40	74.00	PEAK	VERTICAL	3	50.10	35.92	5.77
4	7308.180	51.42	-2.58	54.00	AVERAGE	VERTICAL	3	44.91	35.92	5.77



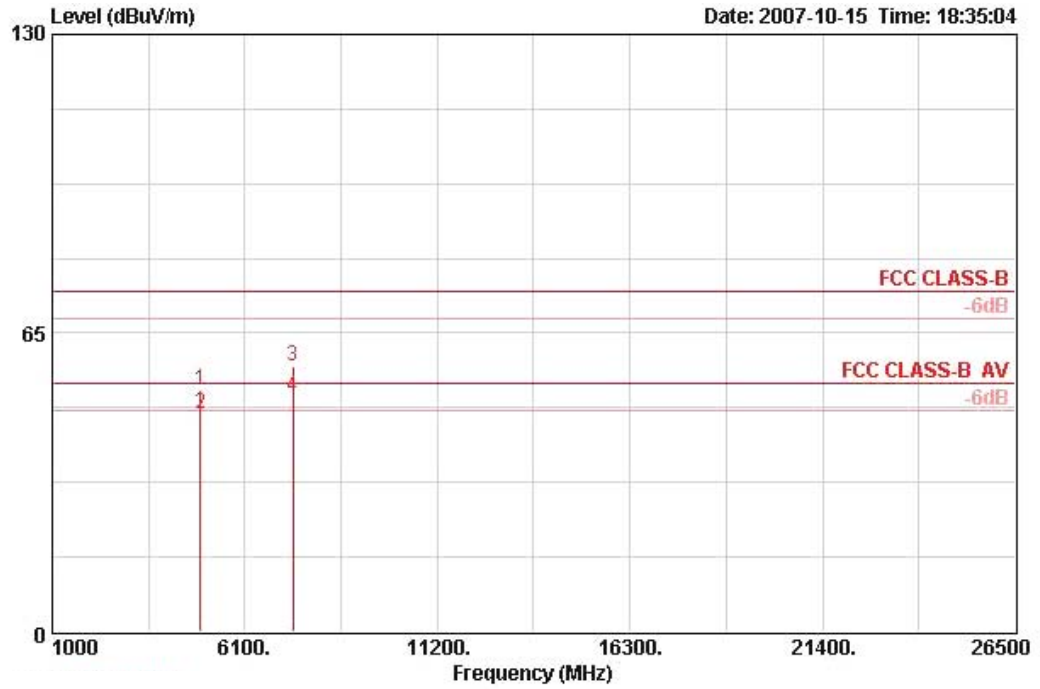
Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 11 Ant. B-1 / Mode 2

Horizontal



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	4923.940	50.17	-23.83	74.00	PEAK	HORIZONTAL	3	45.98	33.26	6.07	35.14
2	4924.000	43.18	-10.82	54.00	AVERAGE	HORIZONTAL	3	38.99	33.26	6.07	35.14
3	7382.300	53.85	-20.15	74.00	PEAK	HORIZONTAL	3	44.49	36.06	8.47	35.17
4	7382.860	42.69	-11.31	54.00	AVERAGE	HORIZONTAL	3	33.32	36.06	8.47	35.17

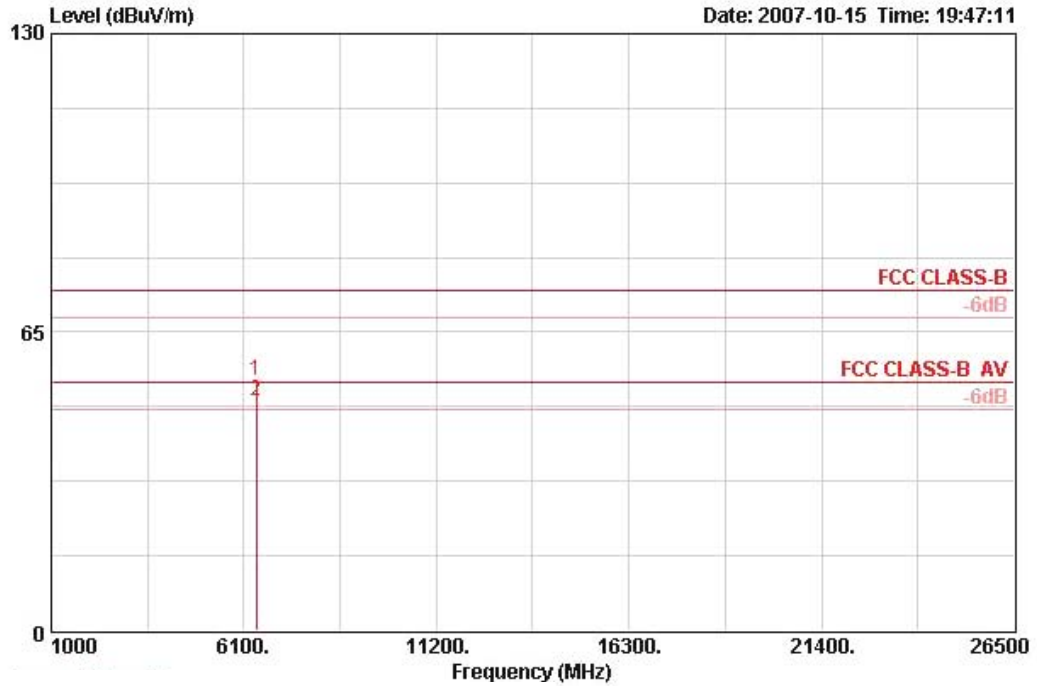
Vertical



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	4923.820	52.54	-21.46	74.00	PEAK	VERTICAL	3	48.35	33.26	6.07	35.14
2	4924.000	47.54	-6.46	54.00	AVERAGE	VERTICAL	3	43.35	33.26	6.07	35.14
3	7382.480	57.64	-16.36	74.00	PEAK	VERTICAL	3	48.27	36.06	8.47	35.17
4	7382.840	51.18	-2.82	54.00	AVERAGE	VERTICAL	3	41.81	36.06	8.47	35.17

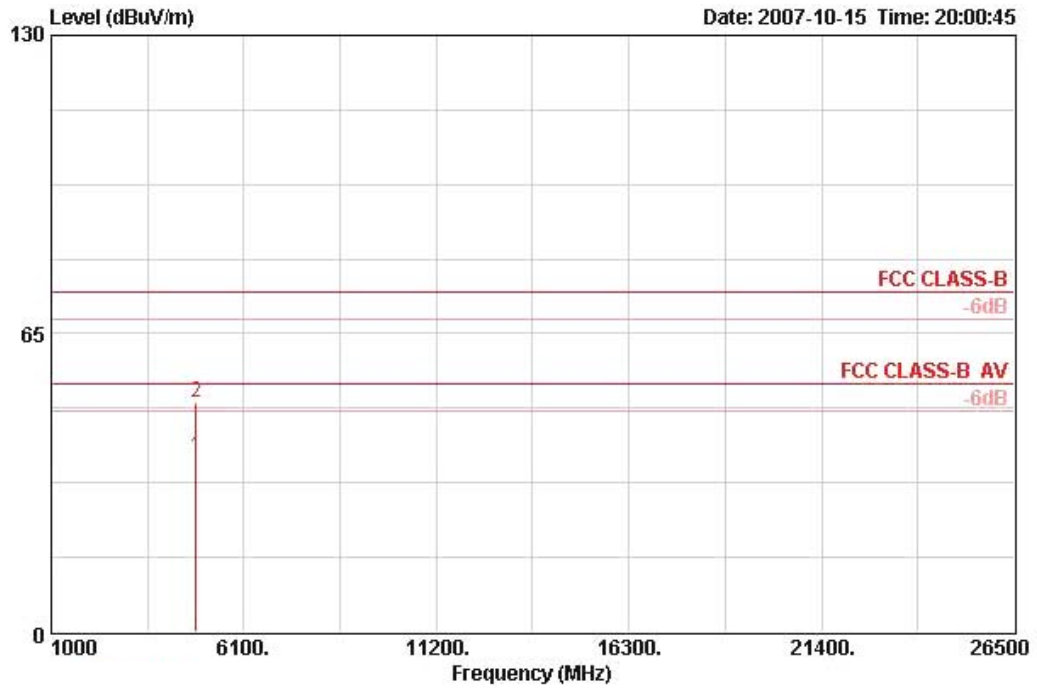
<b>Temperature</b>	23°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1 Ant. B-1 / Mode 2

**Horizontal**



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	6431.980	54.43	-19.57	74.00	PEAK	HORIZONTAL	3	47.56	34.31	7.61	35.06
2	6432.000	49.84	-4.16	54.00	AVERAGE	HORIZONTAL	3	42.97	34.31	7.61	35.06

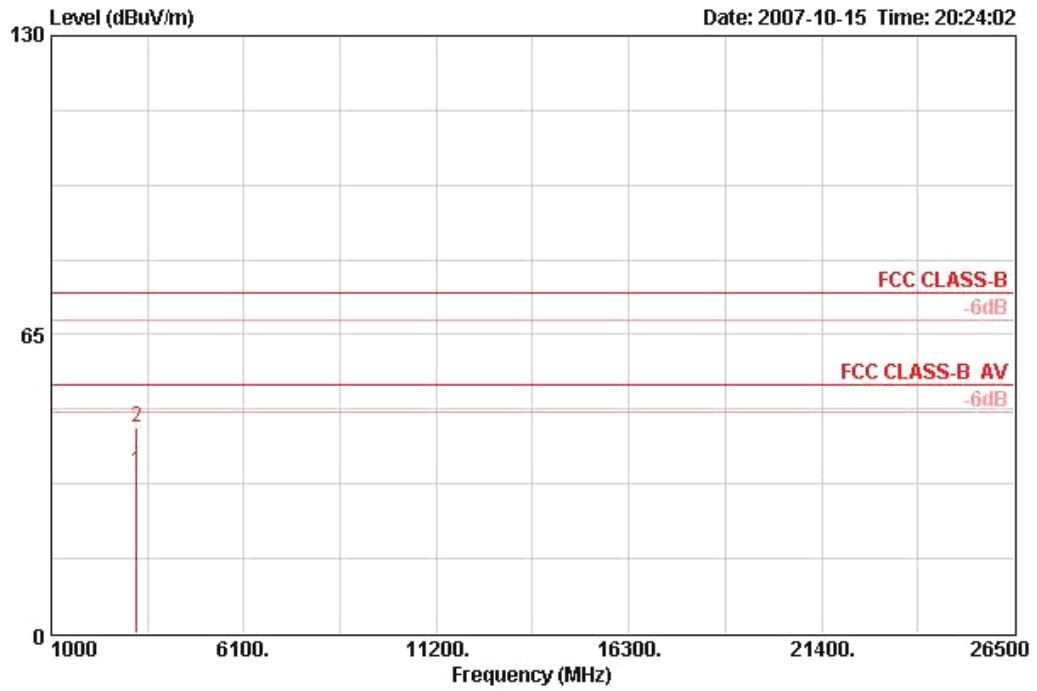
**Vertical**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	4824.400	37.99	-16.01	54.00	AVERAGE	VERTICAL	3	34.25	33.06	5.86	35.16
2	4825.200	50.02	-23.98	74.00	PEAK	VERTICAL	3	46.27	33.06	5.86	35.16

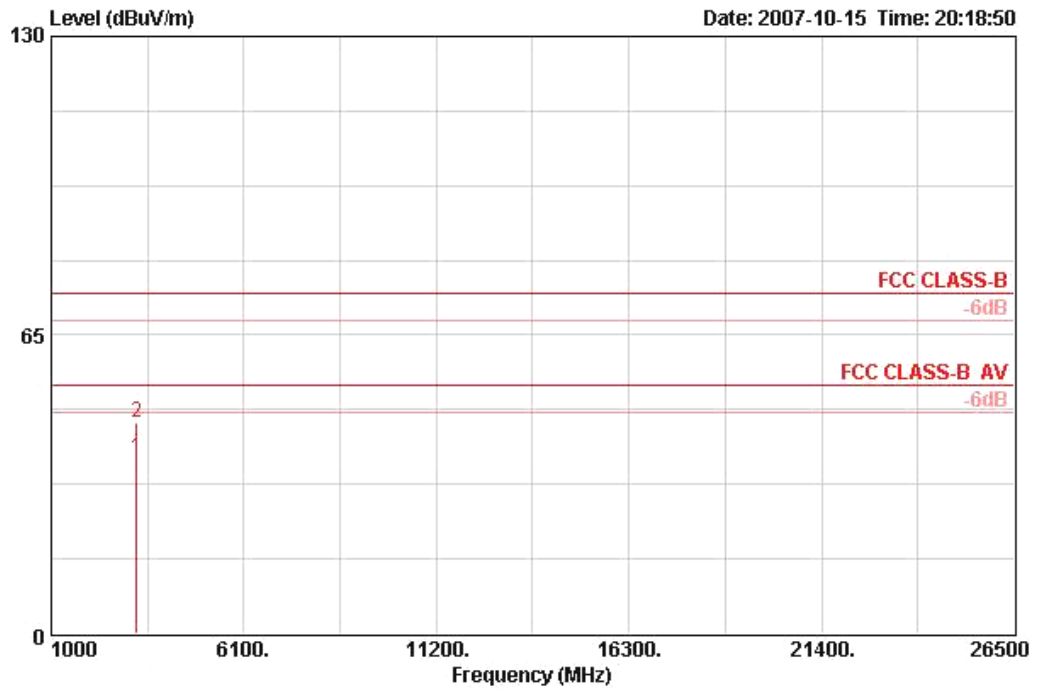
Temperature	23°C	Humidity	62%
Test Engineer	Aric Lee	Configurations	802.11g CH 6 Ant. B-1 / Mode 2

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	Read Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	3249.260	35.33	-18.67	54.00	AVERAGE	HORIZONTAL	3	36.80	30.00	3.64	35.12
2	3249.380	44.82	-29.18	74.00	PEAK	HORIZONTAL	3	46.30	30.00	3.64	35.12

**Vertical**

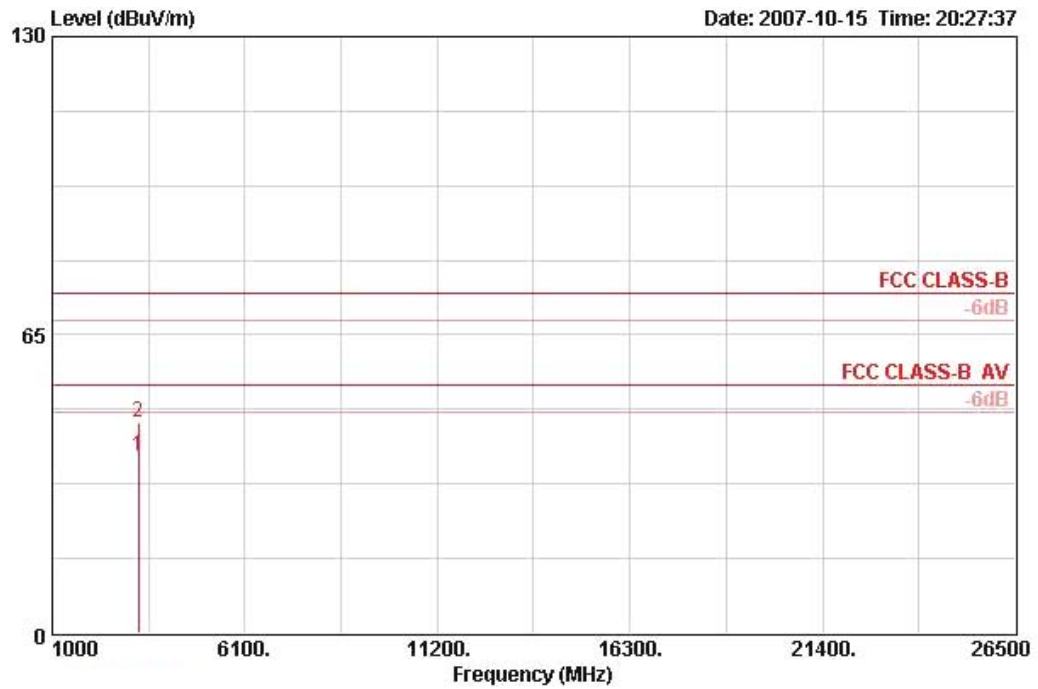


	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBUV	dB/m	dB	dB
1	3249.280	38.07	-15.93	54.00	AVERAGE	VERTICAL	3	39.55	30.00	3.64	35.12
2	3249.480	45.82	-28.18	74.00	PEAK	VERTICAL	3	47.29	30.00	3.64	35.12



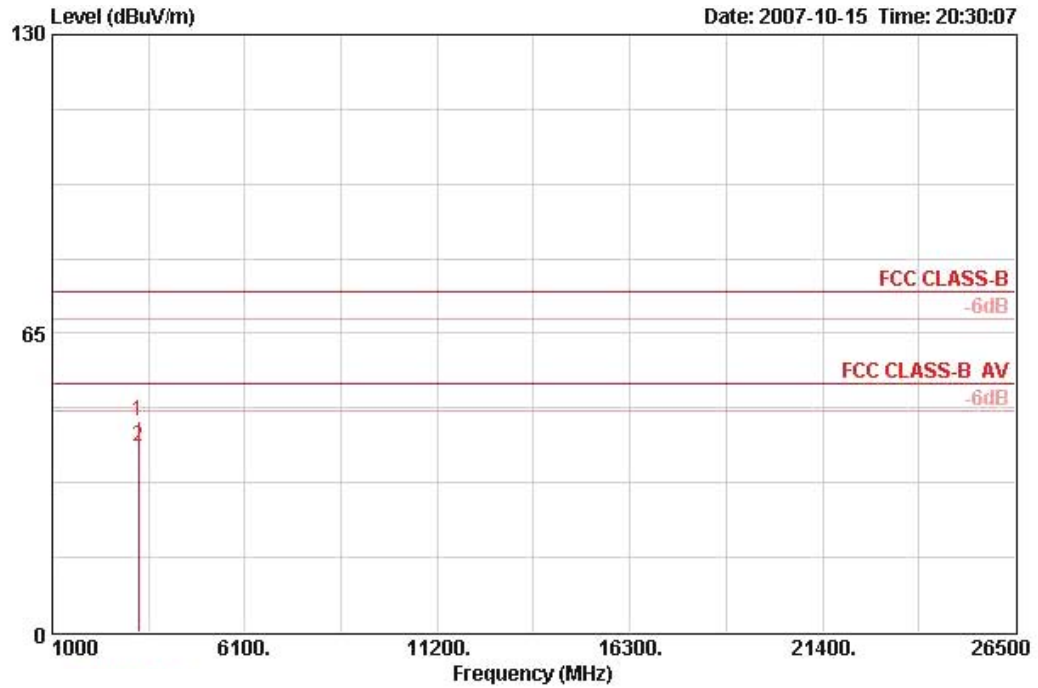
Temperature	23°C	Humidity	62%
Test Engineer	Aric Lee	Configurations	802.11g CH 11 Ant. B-1 / Mode 2

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	3282.660	38.52	-15.48	54.00	AVERAGE	HORIZONTAL	3	39.99	30.00	3.66	35.12
2	3282.680	45.75	-28.25	74.00	PEAK	HORIZONTAL	3	47.22	30.00	3.66	35.12

**Vertical**



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna	Cable	Preamp
	MHz	dBUV/m	dB	dBUV/m			m	Level Factor	Loss Factor	Factor
								dBuV	dB/m	dB
1	3282.600	45.95	-28.05	74.00	PEAK	VERTICAL	3	47.42	30.00	3.66
2	3282.660	40.34	-13.66	54.00	AVERAGE	VERTICAL	3	41.81	30.00	3.66

**Note:**

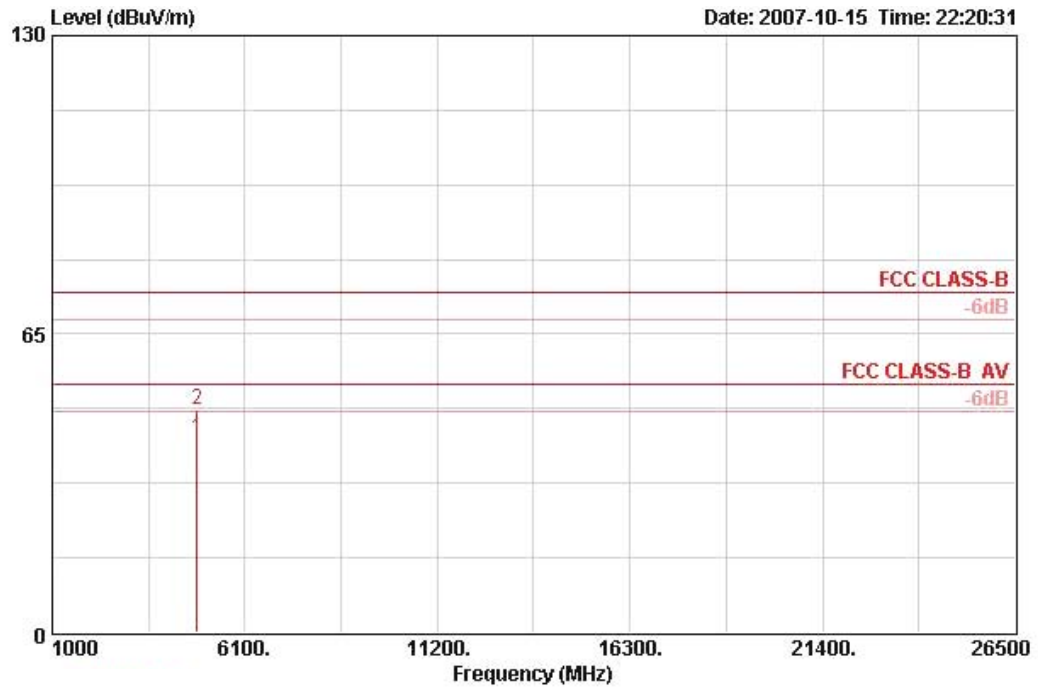
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

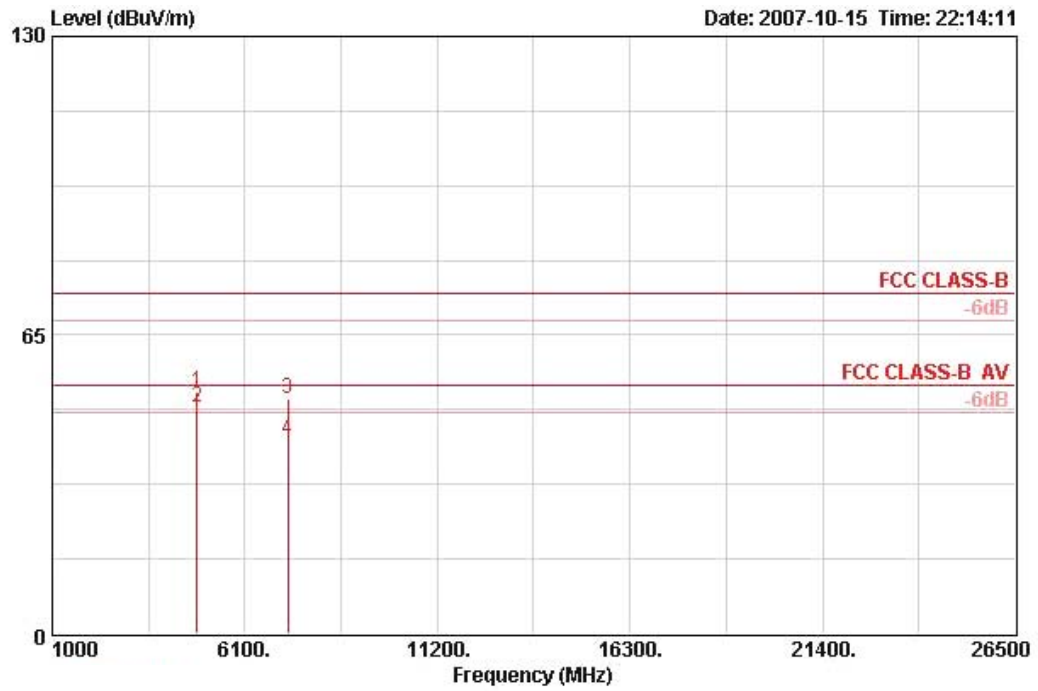
Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 1 Ant. C-1 / Mode 3

**Horizontal**



	Ereq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	4824.000	42.30	-11.70	54.00	AVERAGE	HORIZONTAL	3	39.84	33.06	4.57	35.16
2	4824.040	48.33	-25.67	74.00	PEAK	HORIZONTAL	3	45.88	33.06	4.57	35.16

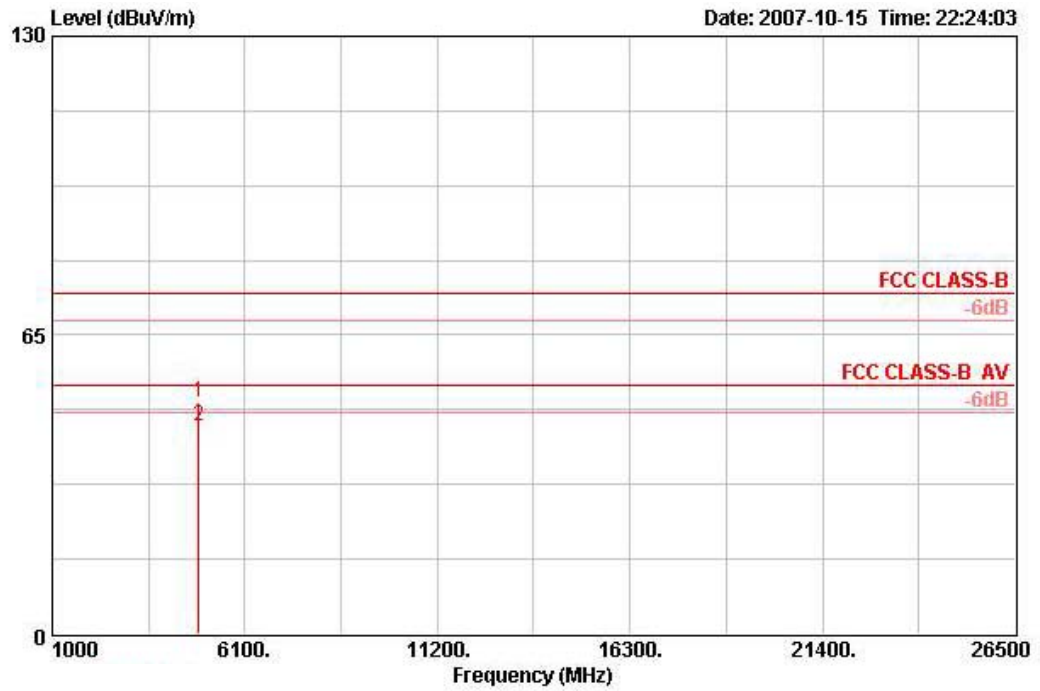
**Vertical**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	4823.860	52.72	-21.28	74.00	PEAK	VERTICAL	3	50.27	33.06	4.57	35.16
2	4823.990	49.23	-4.77	54.00	AVERAGE	VERTICAL	3	46.77	33.06	4.57	35.16
3	7232.260	50.98	-23.02	74.00	PEAK	VERTICAL	3	44.66	35.78	5.74	35.21
4	7232.760	42.08	-31.92	74.00	PEAK	VERTICAL	3	35.77	35.78	5.74	35.21

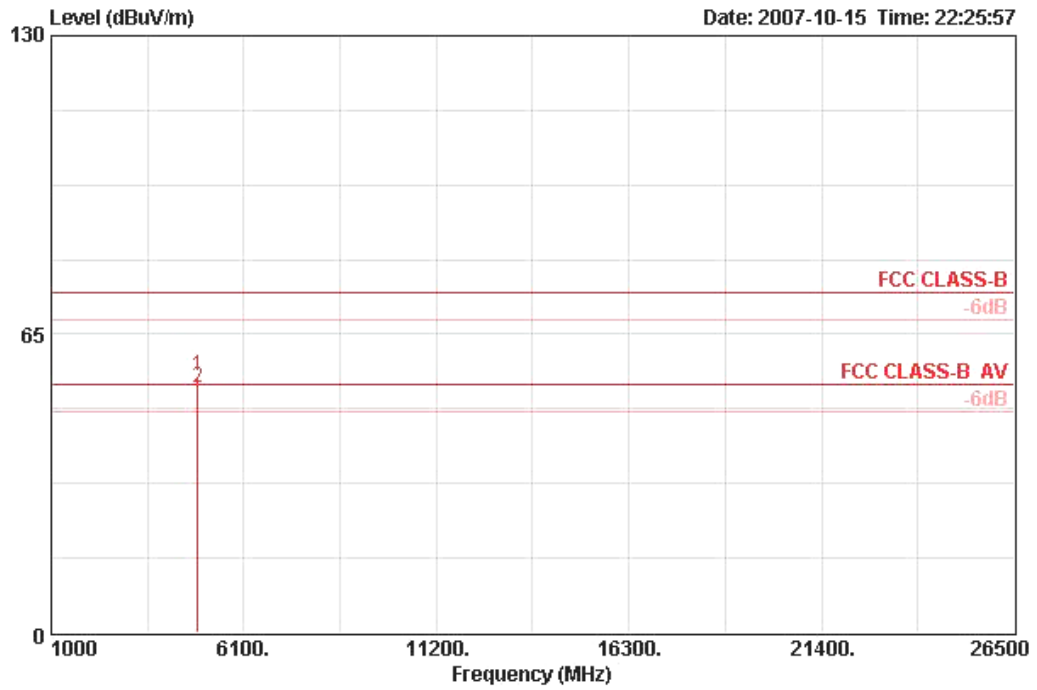
Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 6 Ant. C-1 / Mode 3

**Horizontal**



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	4873.880	50.39	-23.61	74.00	PEAK	HORIZONTAL	3	47.84	33.16	4.55	35.15
2	4874.000	45.13	-8.87	54.00	AVERAGE	HORIZONTAL	3	42.58	33.16	4.55	35.15

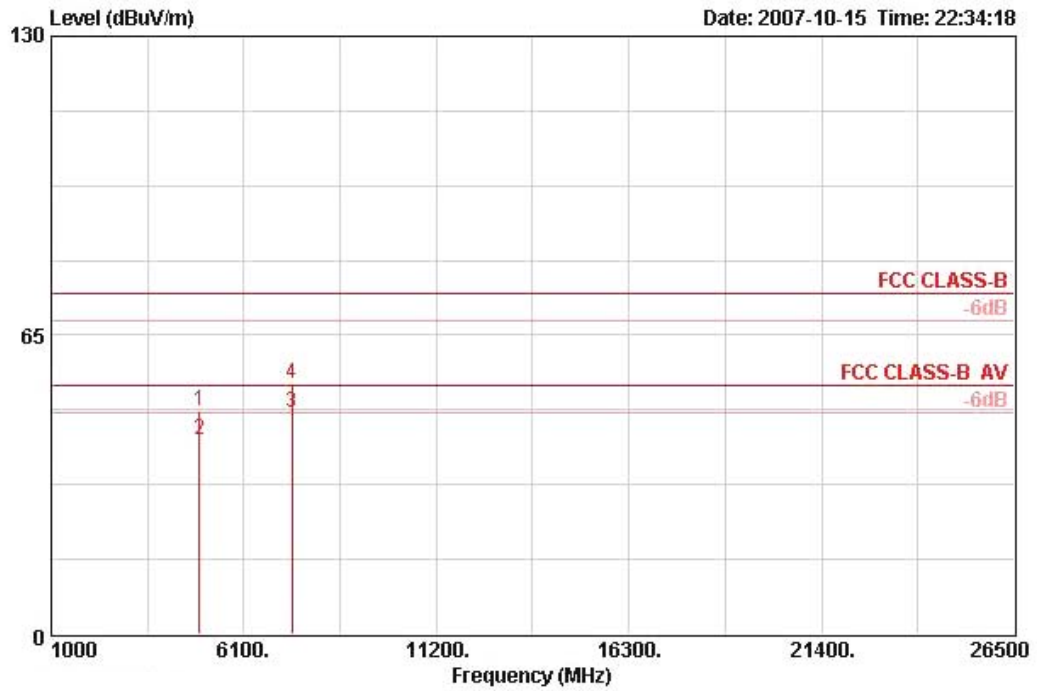
Vertical



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	4873.920	55.87	-18.13	74.00	PEAK	VERTICAL	3	53.32	33.16	4.55	35.15
2	4874.000	53.27	-0.73	54.00	AVERAGE	VERTICAL	3	50.72	33.16	4.55	35.15

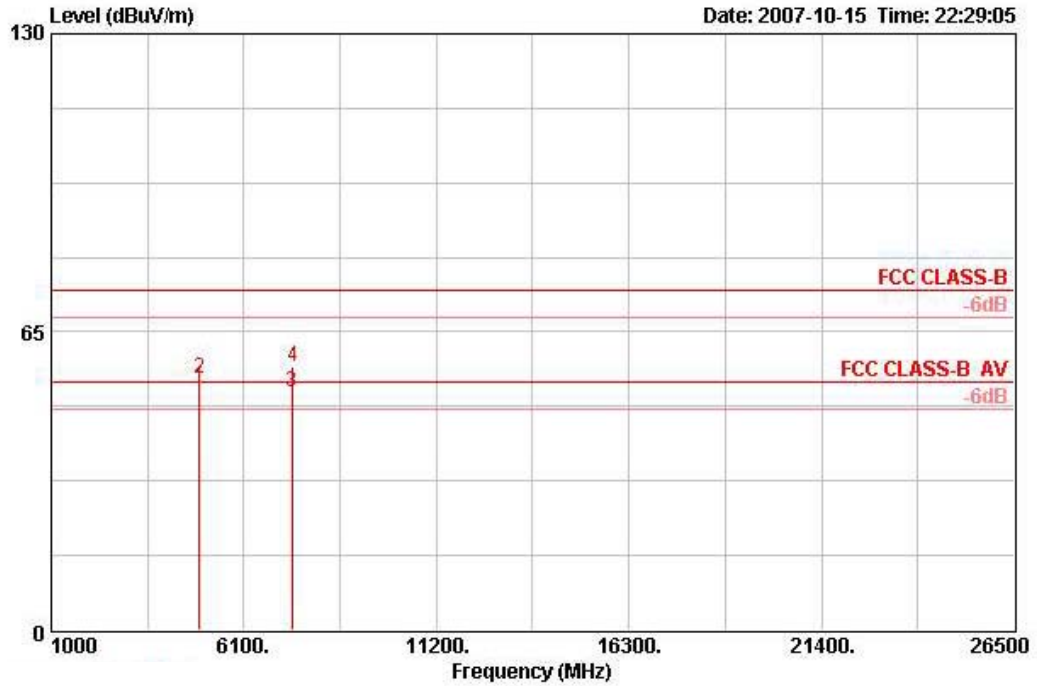
Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 11 Ant. C-1 / Mode 3

Horizontal



	Freq	Level	Over Limit	Limit	Line	Remark	Pol/Phase	Distance	ReadAntenna	Cable	Preamp
	MHz	dBUV/m	dB	dBUV/m				m	dBuV	dB/m	dB
1	4923.800	48.65	-25.35	74.00	PEAK	HORIZONTAL	3	45.99	33.26	4.53	35.14
2	4923.960	42.32	-11.68	54.00	AVERAGE	HORIZONTAL	3	39.66	33.26	4.53	35.14
3 !	7383.280	48.04	-5.96	54.00	AVERAGE	HORIZONTAL	3	41.34	36.06	5.81	35.17
4	7383.880	54.57	-19.43	74.00	PEAK	HORIZONTAL	3	47.84	36.09	5.81	35.17

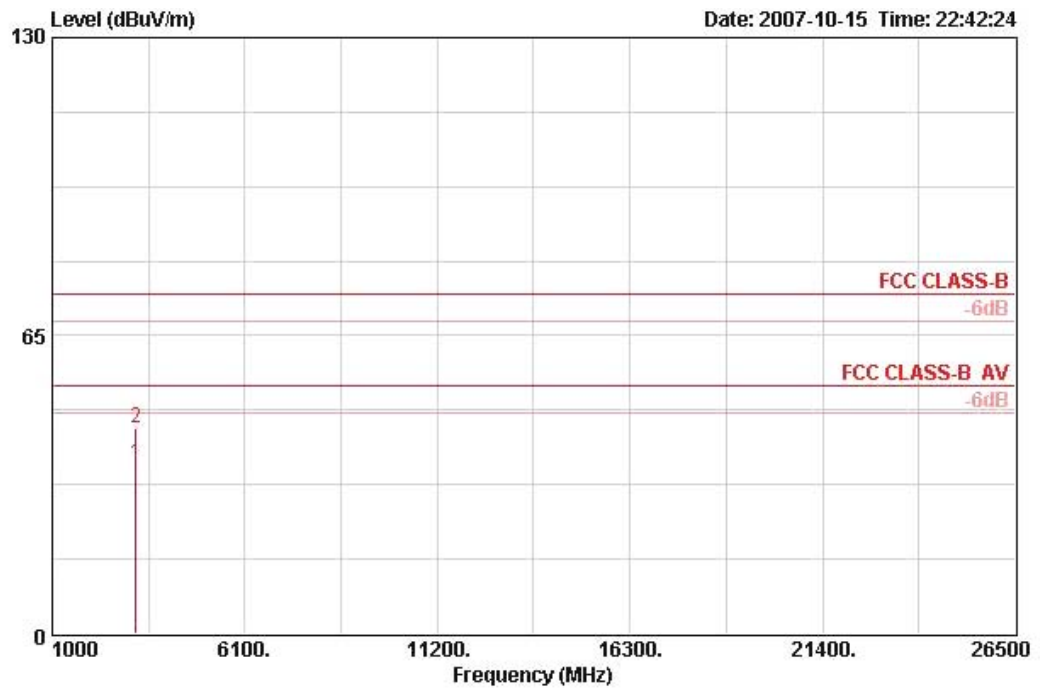
Vertical



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	4924.000	52.86	-1.14	54.00	AVERAGE	VERTICAL	3	50.21	33.26	4.53	35.14
2	4924.080	54.86	-19.14	74.00	PEAK	VERTICAL	3	52.21	33.26	4.53	35.14
3	7383.280	51.74	-2.26	54.00	AVERAGE	VERTICAL	3	45.05	36.06	5.81	35.17
4	7388.480	57.50	-16.50	74.00	PEAK	VERTICAL	3	50.75	36.09	5.82	35.16

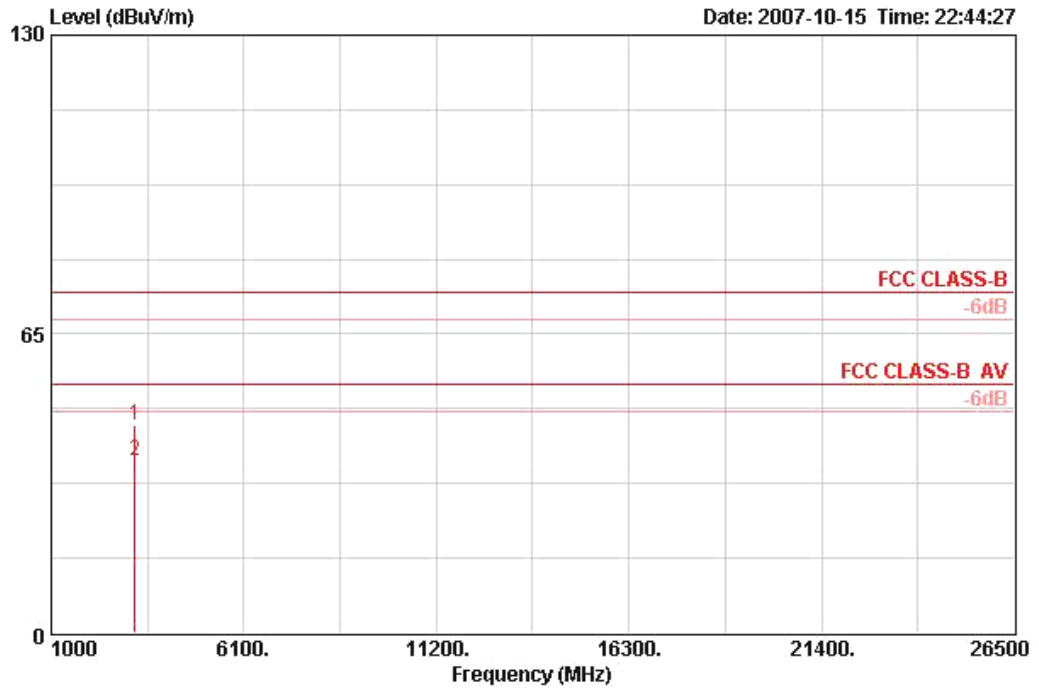


<b>Temperature</b>	23°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1 Ant. C-1 / Mode 3

**Horizontal**


	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance	ReadAntenna		Cable	Preamp
			Limit	Line				Level	Factor		
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	3216.040	36.97	-17.03	54.00	AVERAGE	HORIZONTAL	3	38.30	30.00	3.79	35.12
2	3216.080	44.76	-29.24	74.00	PEAK	HORIZONTAL	3	46.09	30.00	3.79	35.12

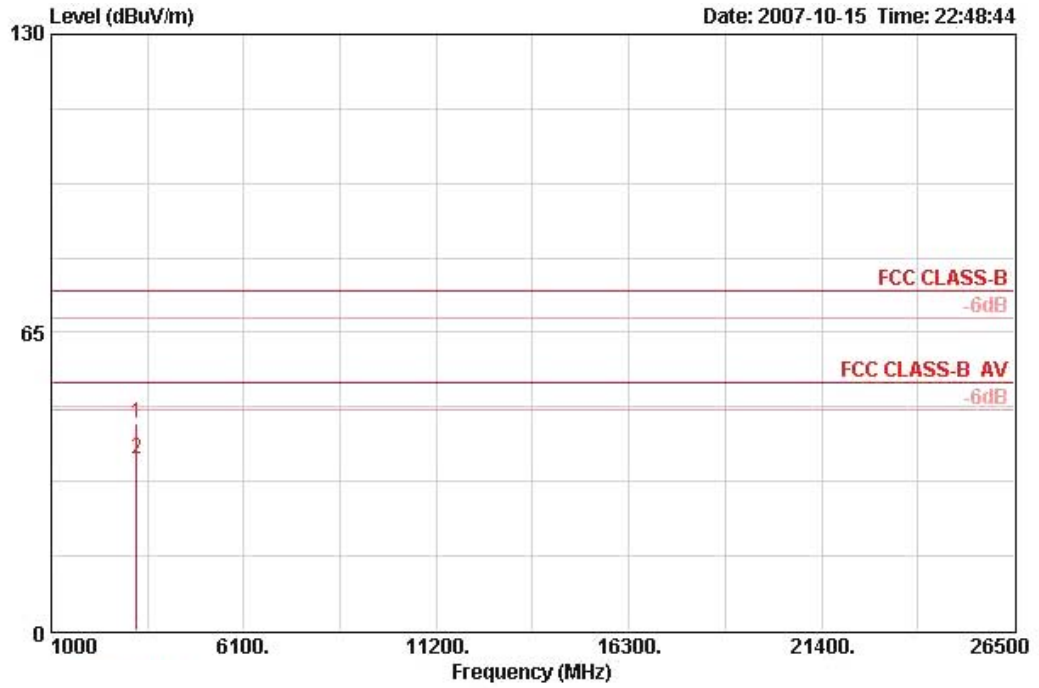
Vertical



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m			m	dBuV	dB/m	dB	dB
1	3215.760	45.09	-28.91	74.00	PEAK	VERTICAL	3	46.42	30.00	3.79	35.12
2	3216.000	37.47	-16.53	54.00	AVERAGE	VERTICAL	3	38.80	30.00	3.79	35.12

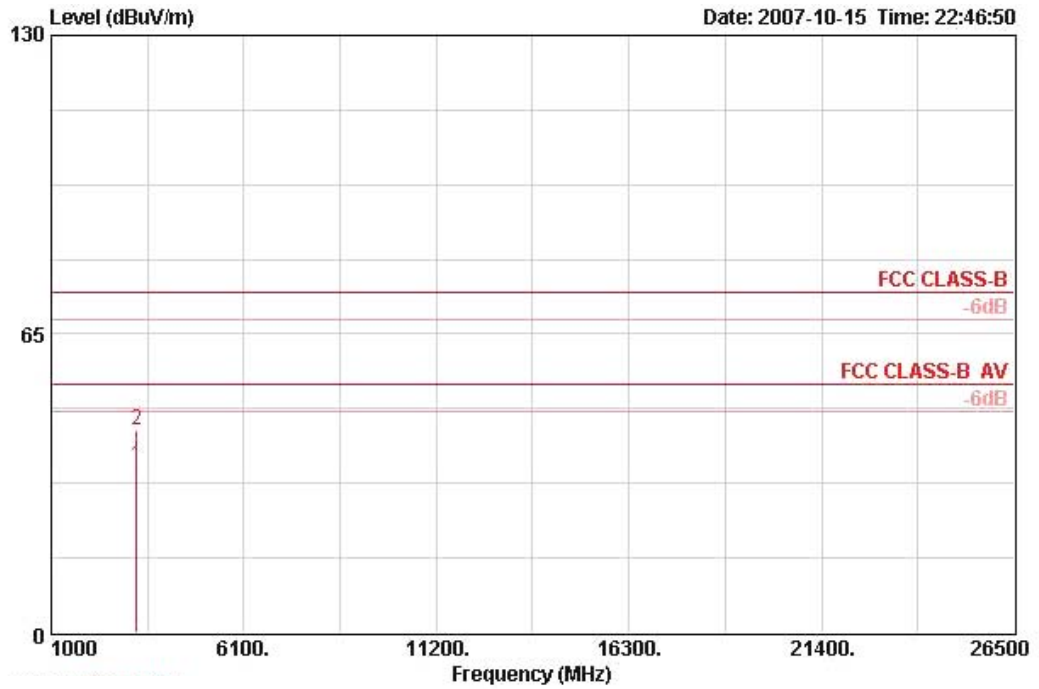
<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 6 Ant. C-1 / Mode 3

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	3249.180	45.05	-28.95	74.00	PEAK	HORIZONTAL	3	46.37	30.00	3.81	35.12
2	3249.280	37.26	-16.74	54.00	AVERAGE	HORIZONTAL	3	38.58	30.00	3.81	35.12

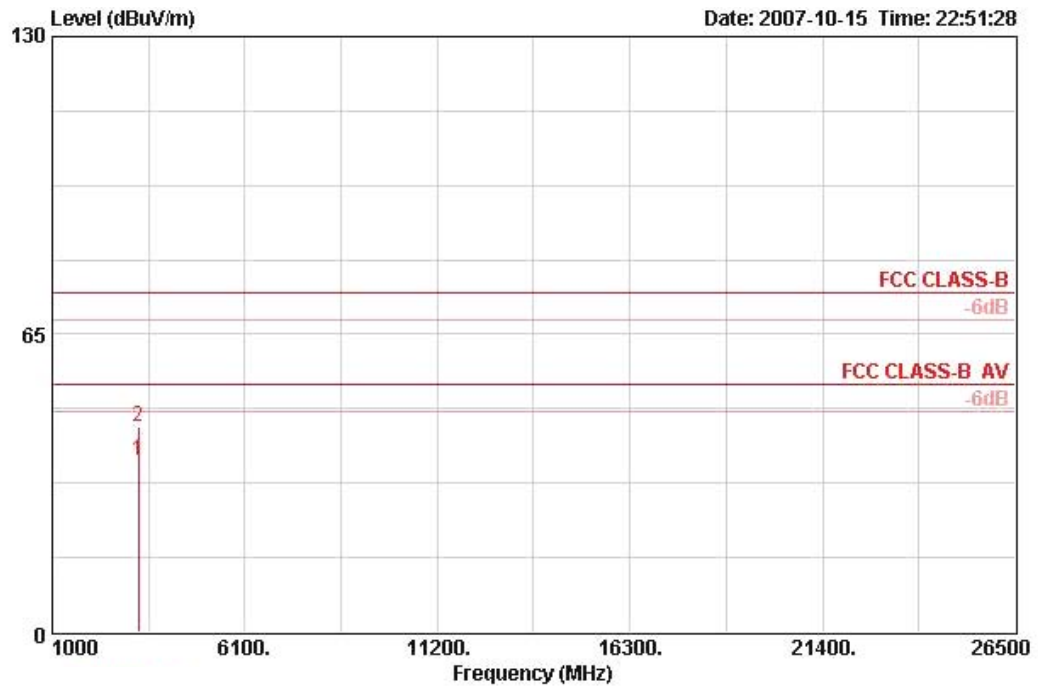
**Vertical**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBuV	dB/m	dB	dB
1	3249.280	36.18	-17.82	54.00	AVERAGE	VERTICAL	3	37.49	30.00	3.81	35.12
2	3249.540	44.15	-29.85	74.00	PEAK	VERTICAL	3	45.47	30.00	3.81	35.12

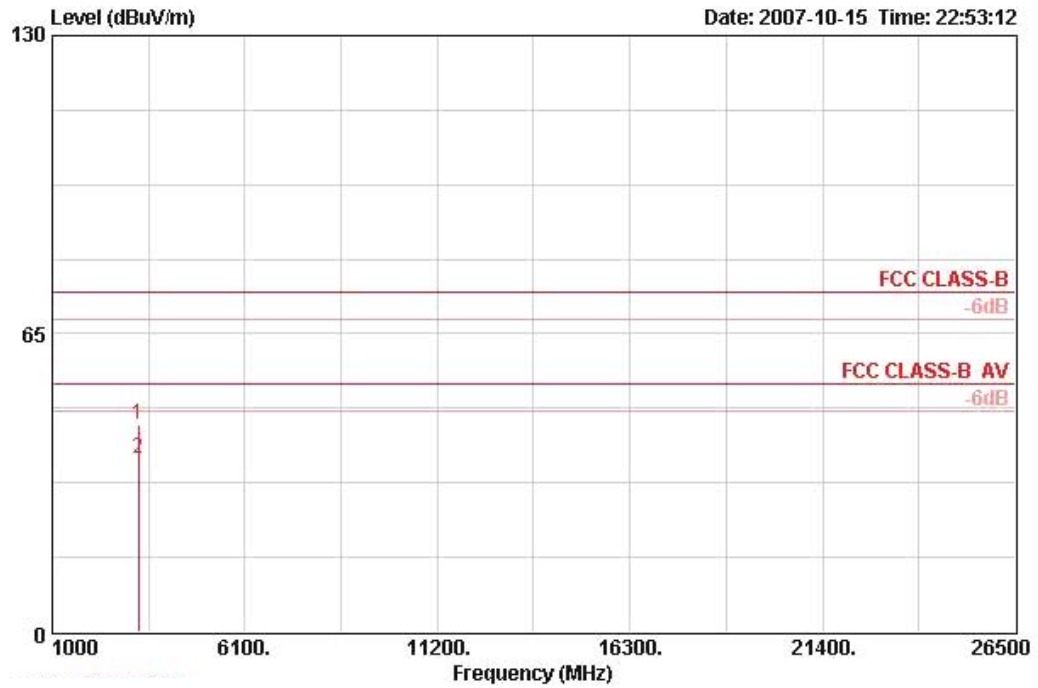
Temperature	23°C	Humidity	62%
Test Engineer	Aric Lee	Configurations	802.11g CH 11 Ant. C-1/ Mode 3

**Horizontal**



	Freq	Level	Over Limit	Limit Line	Remark	Pol/Phase	Distance	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor
	MHz	dBUV/m	dB	dBUV/m			m	dBUV	dB/m	dB	dB
1	3282.660	37.27	-16.74	54.00	AVERAGE	HORIZONTAL	3	38.57	30.00	3.82	35.12
2	3282.740	44.96	-29.04	74.00	PEAK	HORIZONTAL	3	46.26	30.00	3.82	35.12

**Vertical**



	Freq	Level	Over Limit	Limit	Line Remark	Pol/Phase	Distance	ReadAntenna	Cable	Preamp	
	MHz	dBUV/m	dB	dBUV/m			m	Level Factor	Loss Factor	Factor	
								dB	dB/m	dB	
1	3282.300	45.25	-28.75	74.00	PEAK	VERTICAL	3	46.56	30.00	3.82	35.12
2	3282.660	37.74	-16.26	54.00	AVERAGE	VERTICAL	3	39.05	30.00	3.82	35.12

**Note:**

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

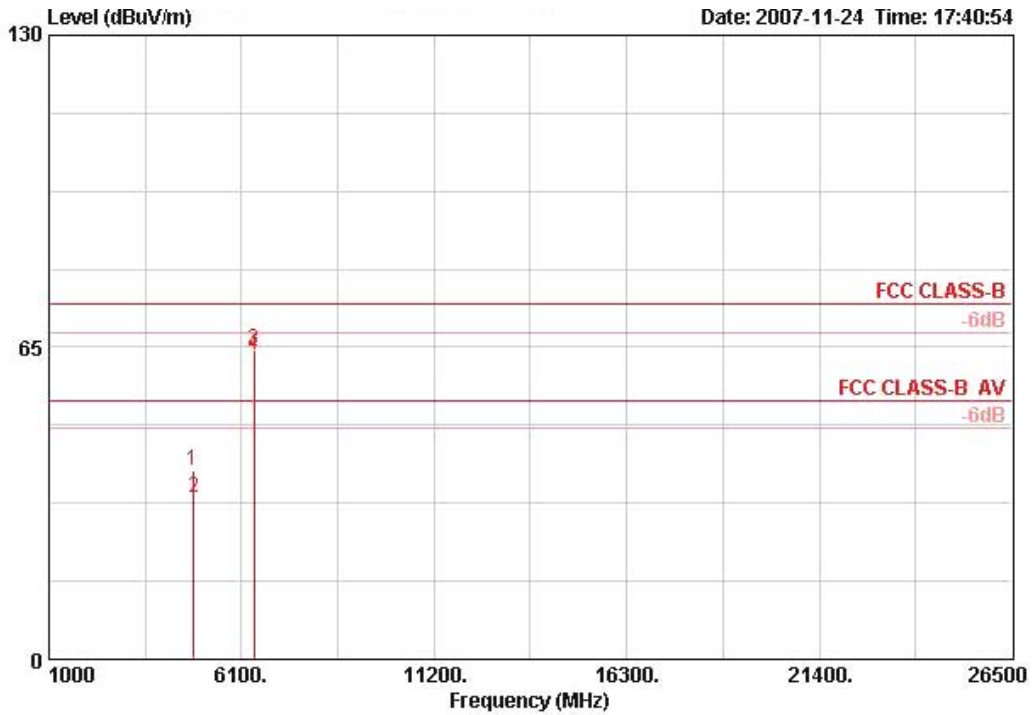
Emission level (dBUV/m) = 20 log Emission level (uV/m).

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



Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 1 Ant. D-1 / Mode 4

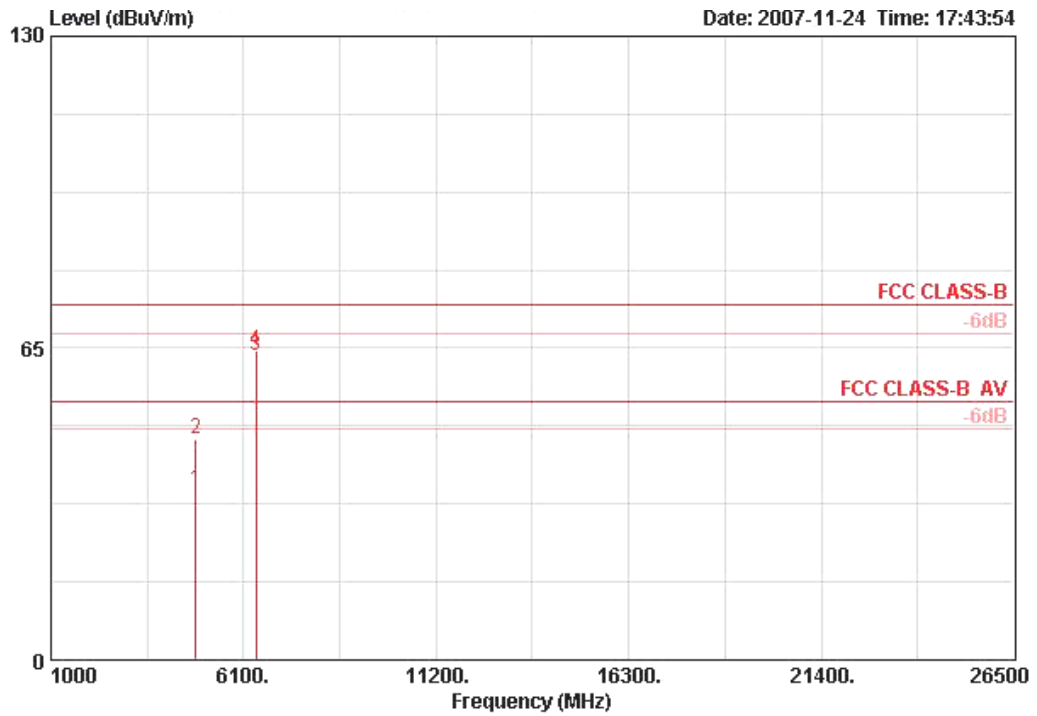
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4819.020	39.16	-34.84	74.00	36.23	33.39	4.78	35.25	PEAK	100	195	HORIZONTAL
2	4823.940	33.64	-20.36	54.00	30.71	33.39	4.78	35.25	AVERAGE	100	195	HORIZONTAL
3	6431.920	64.41			59.07	35.01	5.59	35.26	PEAK	145	255	HORIZONTAL

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

**Vertical**



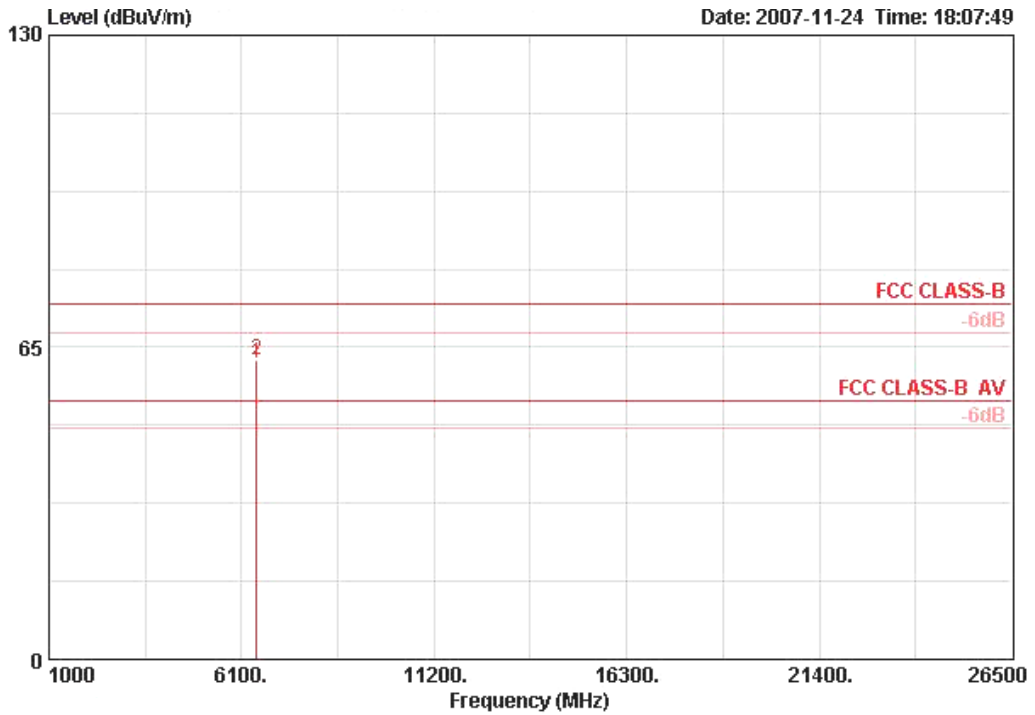
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4823.980	35.49	-18.51	54.00	32.56	33.39	4.78	35.25	AVERAGE	100	198	VERTICAL
2	4824.120	46.22	-27.78	74.00	43.29	33.39	4.78	35.25	PEAK	100	198	VERTICAL
4	6431.960			74.00	59.00	35.01	5.59	35.26	PEAK	100	225	VERTICAL

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



Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 6 Ant. D-1 / Mode 4

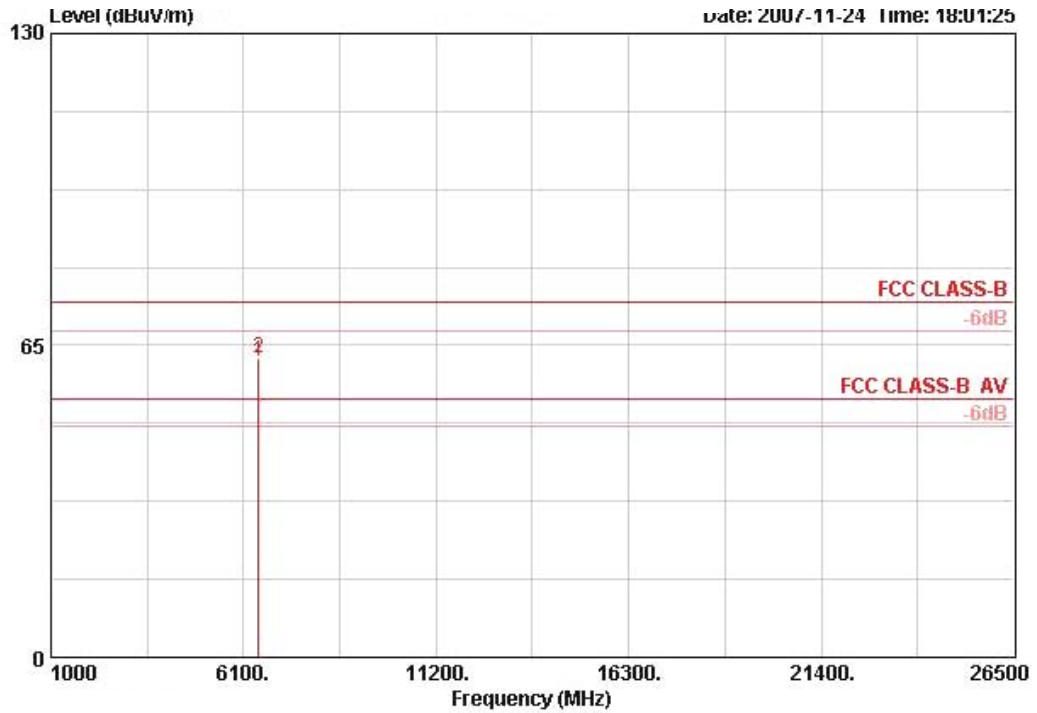
**Horizontal**



	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
Freq	Level	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
2	6498.680	62.21	56.83	35.00	5.61	35.23	PEAK	109	227 HORIZONTAL

Note: Item 2 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

**Vertical**



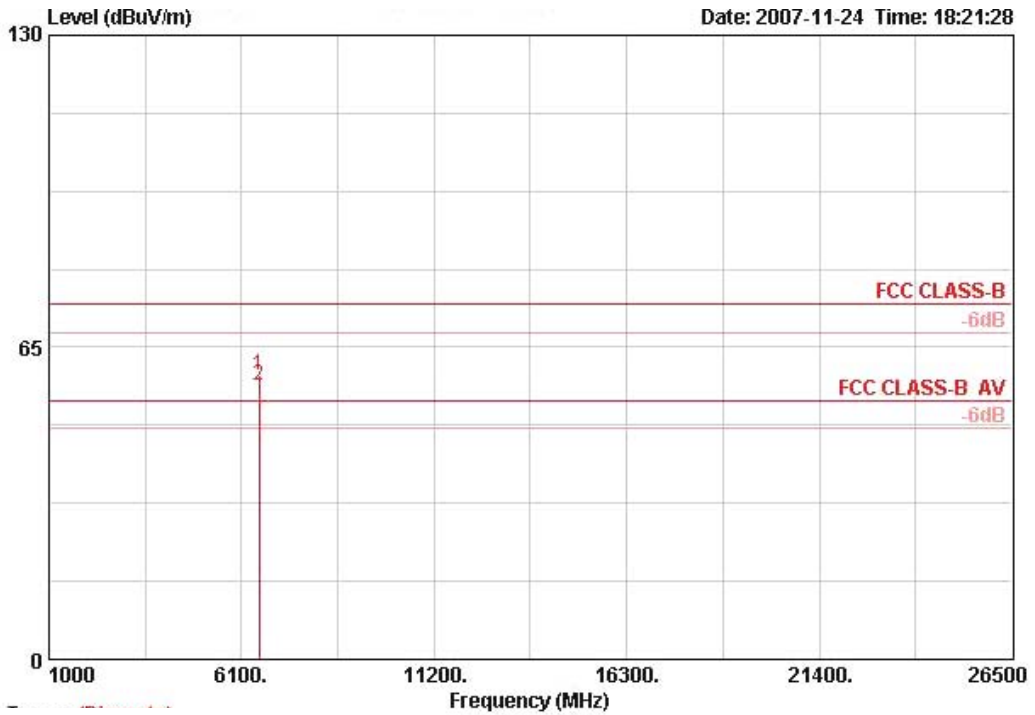
	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB		cm	deg	
2	6498.660	62.29	56.91	35.00	5.61	35.23	PEAK	119	253	VERTICAL

Note: Item 2 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.



Temperature	23°C	Humidity	56%
Test Engineer	Aric Lee	Configurations	802.11b CH 11 Ant. D-1 / Mode 4

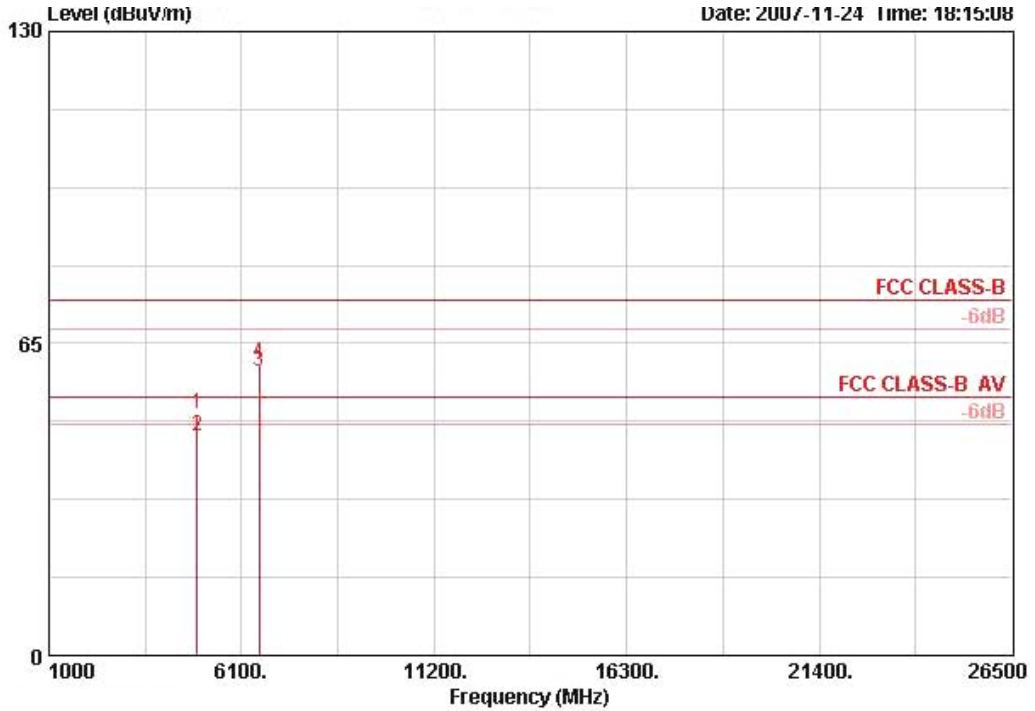
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	6565.220	58.99			53.54	35.10	5.65	35.30	PEAK	100	206	HORIZONTAL

Note: Item 1 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

**Vertical**

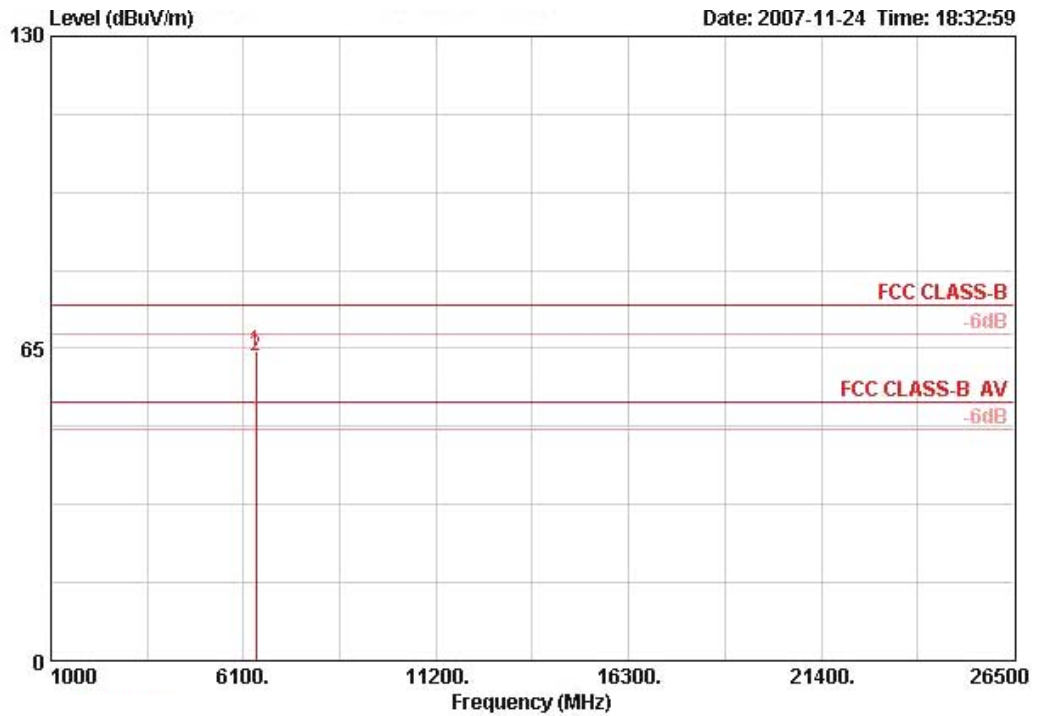


	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table			
Freq	Level	Limit	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg		
1	4924.050	50.27	-23.73	74.00	47.14	33.58	4.80	35.24	PEAK	100	210	HORIZONTAL
2	4924.110	45.68	-8.32	54.00	42.55	33.58	4.80	35.24	AVERAGE	100	210	HORIZONTAL
4	6565.420	60.80			55.34	35.10	5.65	35.30	PEAK	118	228	VERTICAL

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

<b>Temperature</b>	23°C	<b>Humidity</b>	56%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1 Ant. D-1 / Mode 4

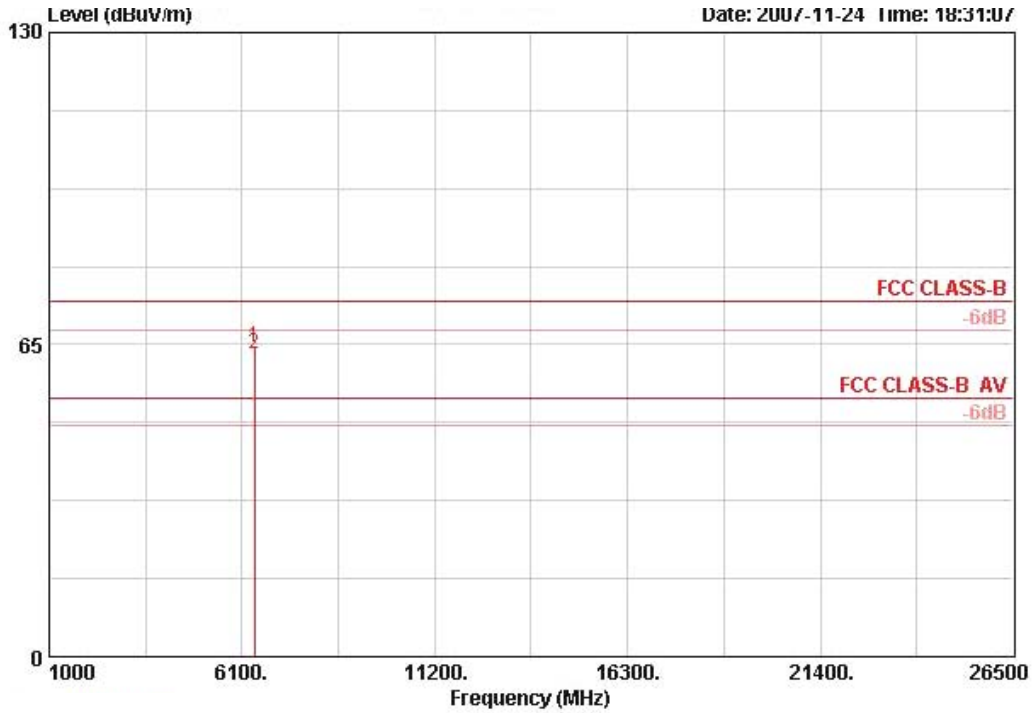
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	6431.860	64.52			59.18	35.01	5.59	35.26	PEAK	149	254	HORIZONTAL

Note: Item 1 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

**Vertical**



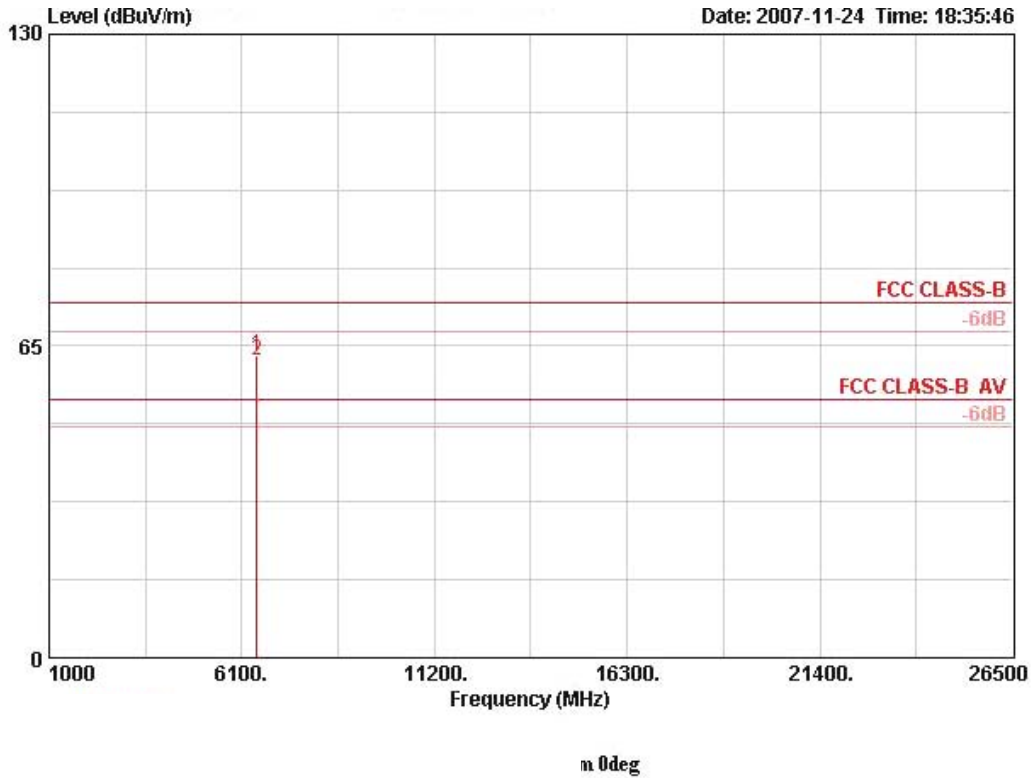
	Freq	Level	Over	Limit	ReadAntenna		Cable Preamp		Remark	Ant	Table
			Limit	Line	Level	Factor	Loss	Factor		Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6431.900	64.44			59.09	35.01	5.59	35.26	PEAK	100	226 VERTICAL

Note: Item 1 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 6 Ant. D-1 / Mode 4

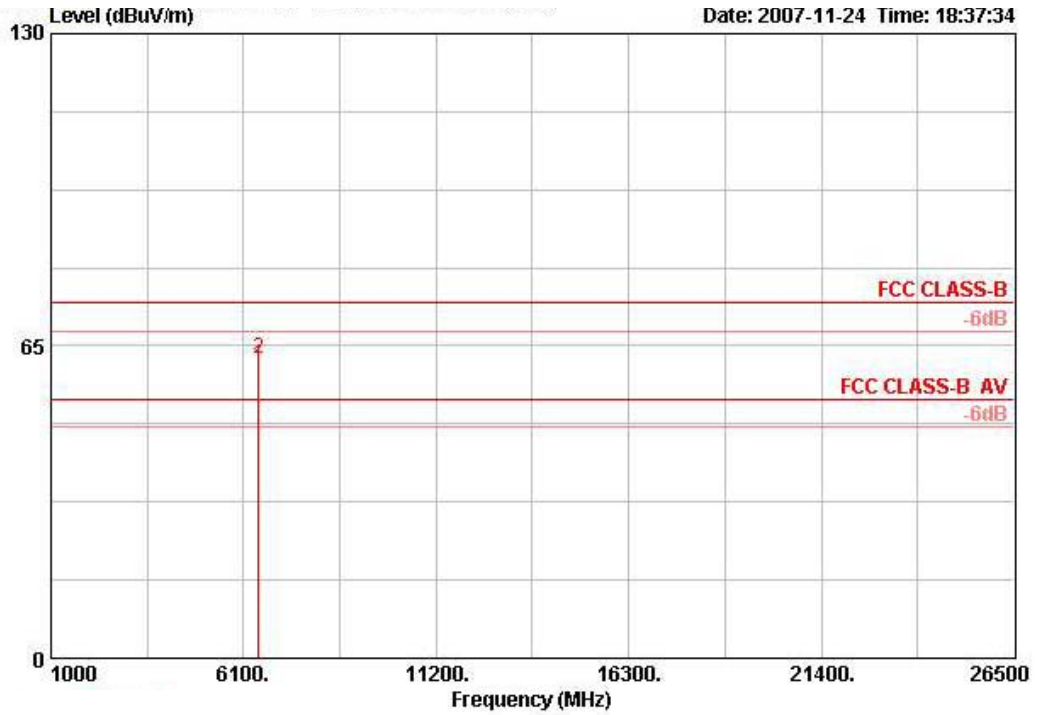
**Horizontal**



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB		cm	deg	
1	6498.620	62.90			57.51	35.00	5.61	35.23	PEAK	119	253	HORIZONTAL

Note: Item 1 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

**Vertical**



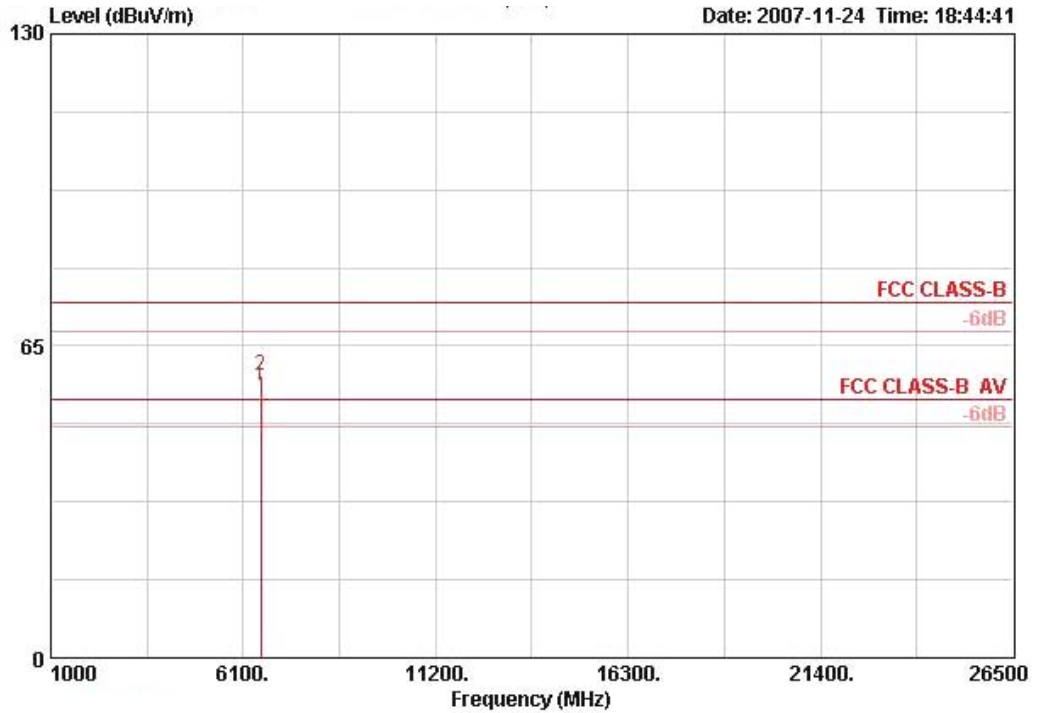
	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
Freq	Level	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
2	6498.720	62.24	56.86	35.00	5.61	35.23	PEAK	100	228

Note: Item 2 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.



Temperature	23°C	Humidity	62%
Test Engineer	Aric Lee	Configurations	802.11g CH 11 Ant. D-1 / Mode 4

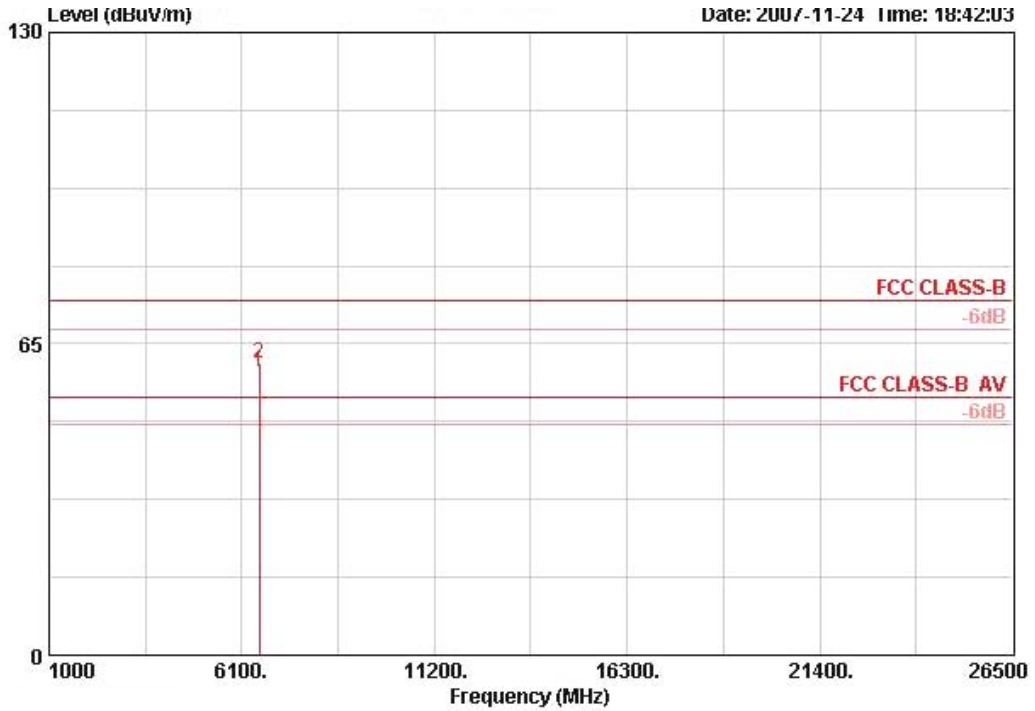
**Horizontal**



	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
Freq	Level	Limit	Level	Factor	Loss	Factor	Remark	Pos	Pos
MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg
2	6565.450	58.79	53.33	35.10	5.65	35.30	PEAK	100	206 HORIZONTAL

Note: Item 2 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

**Vertical**



Item	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
2	6565.400	60.79			55.34	35.10	5.65	35.30	PEAK	119	232	VERTICAL

Note: Item 2 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

Note:

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

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

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

## 4.6. Band Edge Emissions Measurement

### 4.6.1. Limit

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

Frequencies (MHz)	Field Strength (micovolts/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 / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz /100 KHz for Peak

### 4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the 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

<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11b CH 1, 6, 11 / Mode 1

## 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	2386.200	61.81	-12.19	74.00	28.79	28.05	4.97	0.00	PEAK	100	262
2 @	2386.200	53.21	-0.79	54.00	20.19	28.05	4.97	0.00	AVERAGE	100	262
3 @	2413.200	109.55			76.47	28.09	4.98	0.00	PEAK	100	262
4 @	2414.800	106.02			72.95	28.09	4.98	0.00	AVERAGE	100	262

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

## 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 @	2434.200	108.00			74.84	28.13	5.02	0.00	AVERAGE	100	260
2 @	2435.600	111.32			78.16	28.13	5.02	0.00	PEAK	100	260

Item 1, 2 are the fundamental frequency at 2437MHz.

## 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 @	2459.200	104.77			71.48	28.22	5.07	0.00	AVERAGE	100	39
2 @	2460.600	108.06			74.78	28.22	5.07	0.00	PEAK	100	39
3	2487.800	61.03	-12.97	74.00	27.62	28.30	5.11	0.00	PEAK	100	39
4 !	2487.800	51.93	-2.07	54.00	18.52	28.30	5.11	0.00	AVERAGE	100	39

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

<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1, 6, 11 / Mode 1

**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 !	2390.000	68.20	-5.80	74.00	35.17	28.05	4.98	0.00	PEAK	100	277
2 @	2390.000	53.17	-0.83	54.00	20.14	28.05	4.98	0.00	AVERAGE	100	277
3 @	2405.200	101.11			68.04	28.09	4.98	0.00	AVERAGE	100	277
4 @	2408.200	111.49			78.41	28.09	4.98	0.00	PEAK	100	277

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

**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 @	2443.400	111.14			77.90	28.18	5.07	0.00	PEAK	100	278
2 @	2444.200	101.95			68.71	28.18	5.07	0.00	AVERAGE	100	278

Item 1, 2 are the fundamental frequency at 2437 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 @	2458.600	100.60			67.32	28.22	5.07	0.00	AVERAGE	100	278
2 @	2458.800	109.55			76.27	28.22	5.07	0.00	PEAK	100	278
3	2483.500	58.74	-15.26	74.00	25.37	28.26	5.11	0.00	PEAK	100	278
4 !	2483.500	49.92	-4.08	54.00	16.55	28.26	5.11	0.00	AVERAGE	100	278

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.



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11b CH 1, 6, 11 / Mode 2

**Channel 1**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 !	2386.600	51.44	-2.56	54.00	19.30	29.28	0.00	2.86	AVERAGE	122	161	VERTICAL
2	2386.800	61.73	-12.27	74.00	29.58	29.28	0.00	2.86	PEAK	122	161	VERTICAL
3	2413.200	104.24			72.09	29.27	0.00	2.88	PEAK	122	161	VERTICAL
4 @	2414.800	100.54			68.40	29.26	0.00	2.88	AVERAGE	122	161	VERTICAL

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

**Channel 6**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	2438.200	109.08			76.94	29.24	0.00	2.90	PEAK	122	189	HORIZONTAL
2 @	2439.800	105.62			73.48	29.24	0.00	2.90	AVERAGE	122	189	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2437MHz.

**Channel 11**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1 @	2459.200	105.44			73.31	29.23	0.00	2.91	AVERAGE	118	182	HORIZONTAL
2 !	2460.600	108.66			76.52	29.23	0.00	2.91	PEAK	118	182	HORIZONTAL
3 !	2483.500	52.76	-1.24	54.00	20.62	29.21	0.00	2.93	AVERAGE	118	182	HORIZONTAL
4	2483.900	61.50	-12.50	74.00	29.37	29.20	0.00	2.93	PEAK	118	182	HORIZONTAL

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

<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1, 6, 11 / Mode 2

**Channel 1**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	2389.600	62.73	-11.27	74.00	30.59	29.28	0.00	2.86	PEAK	126	160	HORIZONTAL
2 !	2390.000	50.08	-3.92	54.00	17.92	29.28	0.00	2.88	AVERAGE	126	160	HORIZONTAL
3	2418.400	102.82			70.67	29.26	0.00	2.90	PEAK	126	160	HORIZONTAL
4	2418.800	93.70			61.55	29.26	0.00	2.90	AVERAGE	126	160	HORIZONTAL

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

**Channel 6**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	2439.400	108.70			76.56	29.24	0.00	2.90	PEAK	122	187	HORIZONTAL
2	2440.000	99.35			67.21	29.24	0.00	2.90	AVERAGE	122	187	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2437 MHz.

**Channel 11**

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Table Pos	Ant Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg	cm	
1	2455.000	108.87			76.73	29.23	0.00	2.91	PEAK	120	182	HORIZONTAL
2	2455.200	99.68			67.54	29.23	0.00	2.91	AVERAGE	120	182	HORIZONTAL
3 !	2483.500	52.37	-1.63	54.00	20.23	29.21	0.00	2.93	AVERAGE	120	182	HORIZONTAL
4 !	2483.500	71.47	-2.53	74.00	39.33	29.21	0.00	2.93	PEAK	120	182	HORIZONTAL

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.



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11b CH 1, 6, 11 / Mode 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	2386.000	61.14	-12.86	74.00	26.32	28.05	6.77	0.00	PEAK	240	309
2 @	2386.800	51.26	-2.74	54.00	16.44	28.05	6.77	0.00	AVERAGE	240	309
3 @	2409.200	101.81			66.93	28.09	6.78	0.00	AVERAGE	240	309
4 @	2410.600	105.46			70.59	28.09	6.78	0.00	PEAK	240	309

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

**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 @	2434.200	99.81			64.89	28.13	6.78	0.00	AVERAGE	100	309
2 @	2435.600	103.30			68.38	28.13	6.78	0.00	PEAK	100	309

Item 1, 2 are the fundamental frequency at 2437MHz.

**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 @	2460.600	104.61			69.60	28.22	6.79	0.00	PEAK	196	270
2 @	2460.600	104.66			69.66	28.22	6.79	0.00	PEAK	196	270
3	2486.500	62.24	-11.76	74.00	27.19	28.26	6.79	0.00	PEAK	196	270
4 @	2487.300	53.10	-0.90	54.00	18.05	28.26	6.79	0.00	AVERAGE	196	270

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



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1, 6, 11 / Mode 3

**Channel 1**

	Freq	Level	Over Limit	Limit Line	Read 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	2389.000	63.59	-10.41	74.00	28.77	28.05	6.77	0.00	PEAK	244	310
2 @	2390.000	50.07	-3.93	54.00	15.24	28.05	6.78	0.00	AVERAGE	244	310
3 @	2404.800	95.08			60.21	28.09	6.78	0.00	AVERAGE	244	310
4 @	2406.200	102.67			67.80	28.09	6.78	0.00	PEAK	244	310

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

**Channel 6**

	Freq	Level	Over Limit	Limit Line	Read 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 @	2440.200	103.00			68.04	28.18	6.78	0.00	PEAK	123	130
2 @	2441.200	94.53			59.57	28.18	6.79	0.00	AVERAGE	123	130

Item 1, 2 are the fundamental frequency at 2437 MHz.

**Channel 11**

	Freq	Level	Over Limit	Limit Line	Read 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 @	2465.400	103.23			68.22	28.22	6.79	0.00	PEAK	230	304
2 @	2469.000	96.14			61.13	28.22	6.79	0.00	AVERAGE	230	304
3 @	2483.500	50.06	-3.94	54.00	15.01	28.26	6.79	0.00	AVERAGE	230	304
4	2483.700	62.91	-11.09	74.00	27.86	28.26	6.79	0.00	PEAK	230	304

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.



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11b CH 1, 6, 11 / Mode 4

**Channel 1**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2389.800	55.57	-18.43	74.00	24.18	28.05	3.33	0.00	PEAK	100	188	VERTICAL
2	2390.000	44.74	-9.26	54.00	13.36	28.05	3.33	0.00	AVERAGE	100	188	VERTICAL
3 @	2409.200	92.41			60.99	28.09	3.33	0.00	AVERAGE	100	188	VERTICAL
4 @	2410.600	95.88			64.45	28.09	3.33	0.00	PEAK	100	188	VERTICAL

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

**Channel 6**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2438.200	102.68			71.16	28.18	3.35	0.00	PEAK	100	34	VERTICAL
2 @	2439.800	99.13			67.60	28.18	3.35	0.00	AVERAGE	100	34	VERTICAL

Item 1, 2 are the fundamental frequency at 2437MHz.

**Channel 11**

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2459.200	101.56			69.98	28.22	3.36	0.00	AVERAGE	100	36	VERTICAL
2 @	2460.600	105.13			73.55	28.22	3.36	0.00	PEAK	100	36	VERTICAL
3 !	2483.500	48.74	-5.26	54.00	17.11	28.26	3.38	0.00	AVERAGE	100	36	VERTICAL
4	2483.700	59.05	-14.95	74.00	27.41	28.26	3.38	0.00	PEAK	100	36	VERTICAL

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



<b>Temperature</b>	23°C	<b>Humidity</b>	62%
<b>Test Engineer</b>	Aric Lee	<b>Configurations</b>	802.11g CH 1, 6, 11 / Mode 4

**Channel 1**

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable Preamp	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2389.800	55.31	-18.69	74.00	23.93	28.05	3.33	0.00	PEAK	100 215 VERTICAL
2	2390.000	44.71	-9.29	54.00	13.32	28.05	3.33	0.00	AVERAGE	100 215 VERTICAL
3 @	2419.200	85.00			53.56	28.09	3.35	0.00	AVERAGE	100 215 VERTICAL
4 @	2419.400	93.76			62.32	28.09	3.35	0.00	PEAK	100 215 VERTICAL

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

**Channel 6**

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable Preamp	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	2444.000	92.82			61.29	28.18	3.36	0.00	AVERAGE	100 33 VERTICAL
2 @	2444.200	98.90			67.36	28.18	3.36	0.00	PEAK	100 33 VERTICAL

Item 1, 2 are the fundamental frequency at 2437 MHz.

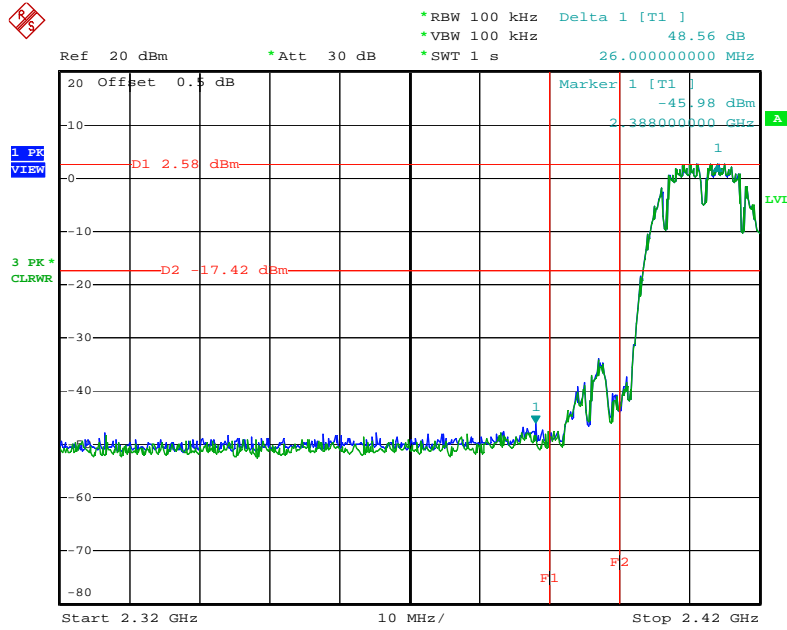
**Channel 11**

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable Preamp	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	2469.000	94.81			63.22	28.22	3.38	0.00	AVERAGE	100 35 VERTICAL
2 @	2469.200	103.99			72.39	28.22	3.38	0.00	PEAK	100 35 VERTICAL
3	2483.500	47.05	-6.95	54.00	15.42	28.26	3.38	0.00	AVERAGE	100 35 VERTICAL
4	2484.100	59.83	-14.17	74.00	28.20	28.26	3.38	0.00	PEAK	100 35 VERTICAL

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

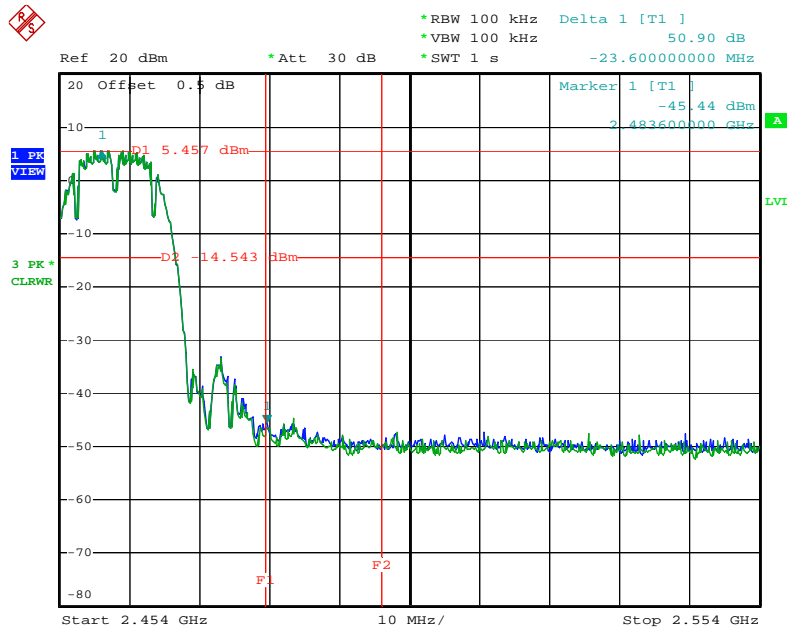
For Emission not in Restricted Band

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



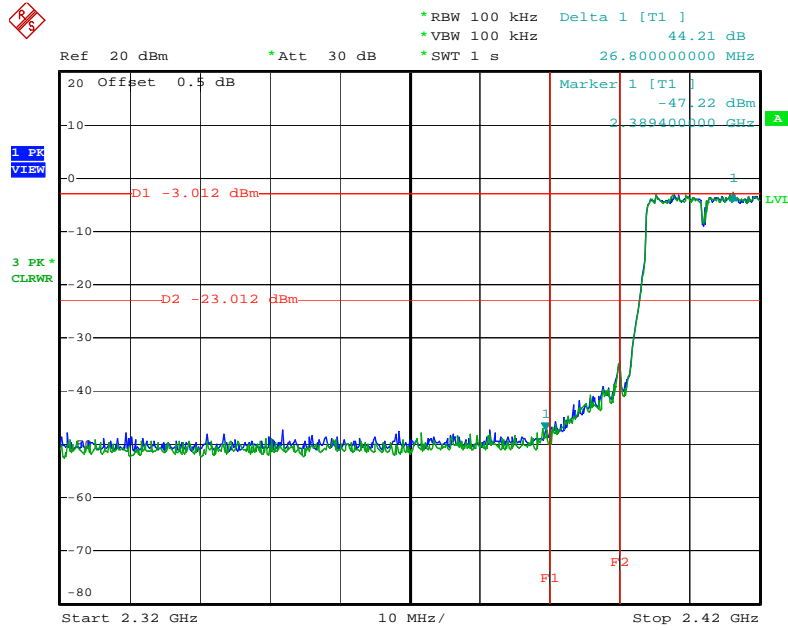
Date: 16.OCT.2007 15:16:34

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



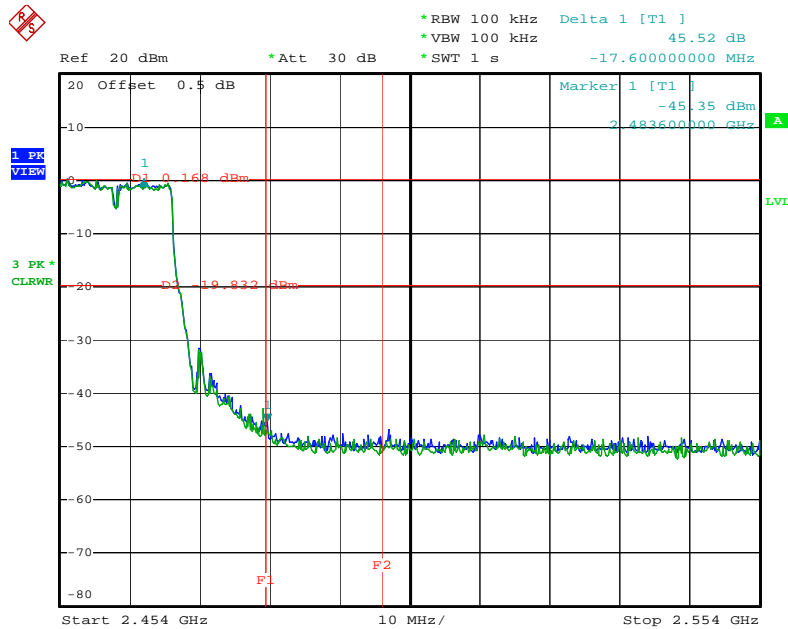
Date: 16.OCT.2007 15:19:08

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



Date: 16.OCT.2007 15:20:52

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



Date: 16.OCT.2007 15:22:58



## 4.7. Antenna Requirements

### 4.7.1. Limit

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

### 4.7.2. Antenna Connector Construction

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

## 5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	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	May 09, 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)
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	100305	9 kHz - 40 GHz	Dec. 15, 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. 21, 2007	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)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Dec. 17, 2006	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jun. 27, 2007	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100458	DC ~ 30GHz	Jun. 27, 2007	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. 01, 2007	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)
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 <sup>nd</sup> 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. : L1190-070110

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.