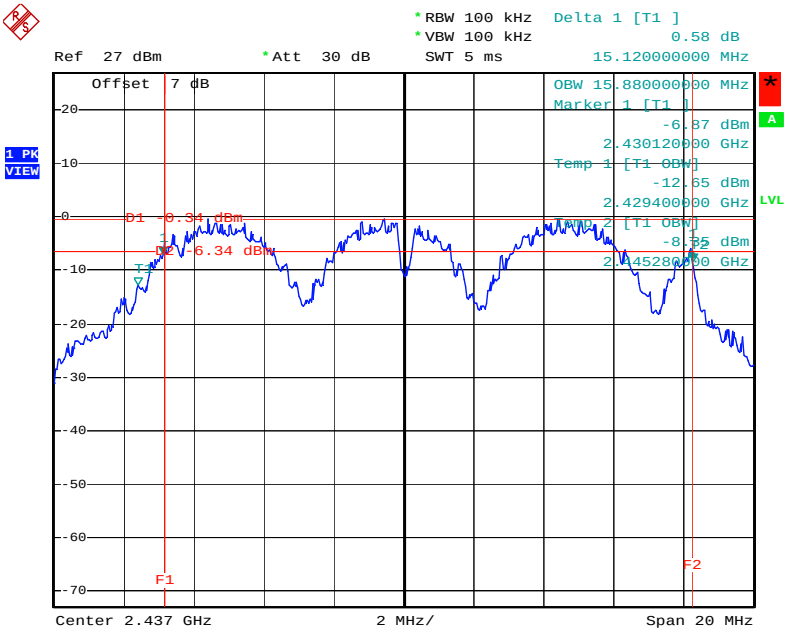
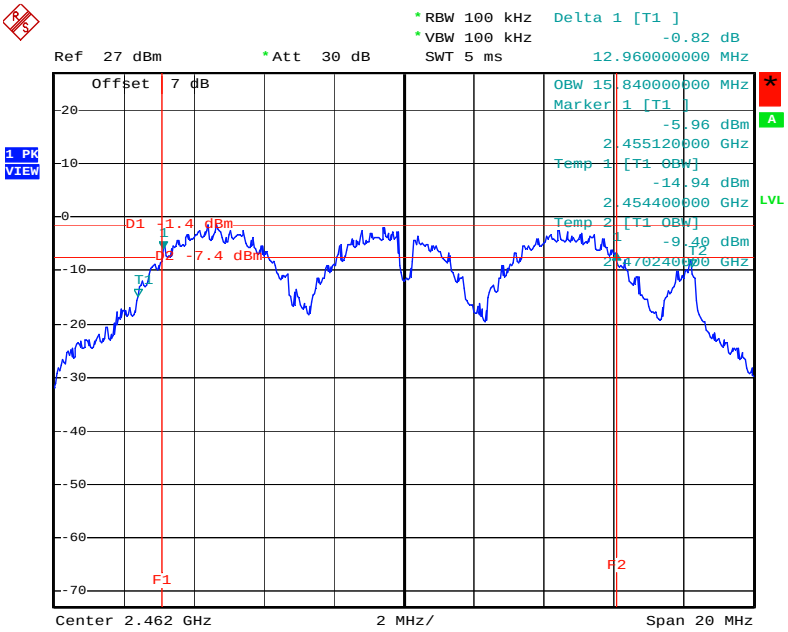
6 dB Bandwidth Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2437 MHz



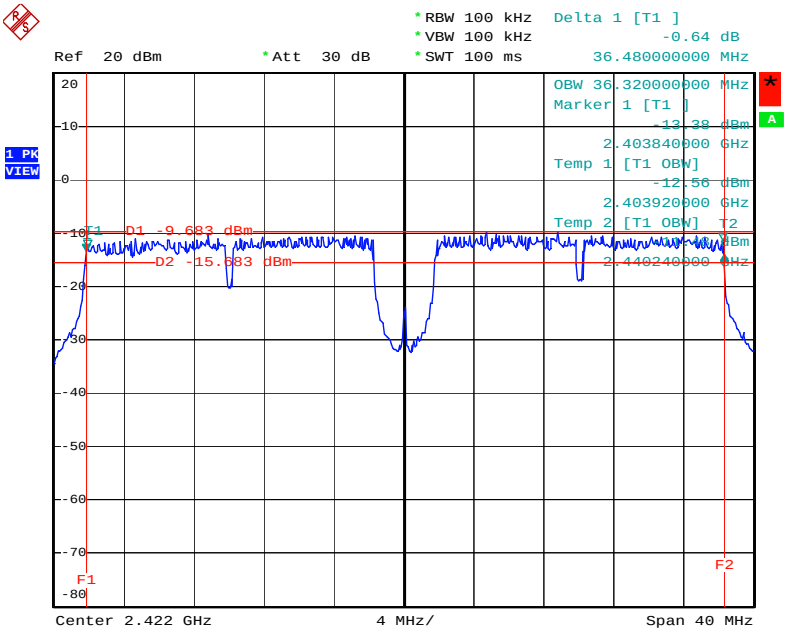
Date: 3.OCT.2006 08:28:15

6 dB Bandwidth Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2462 MHz



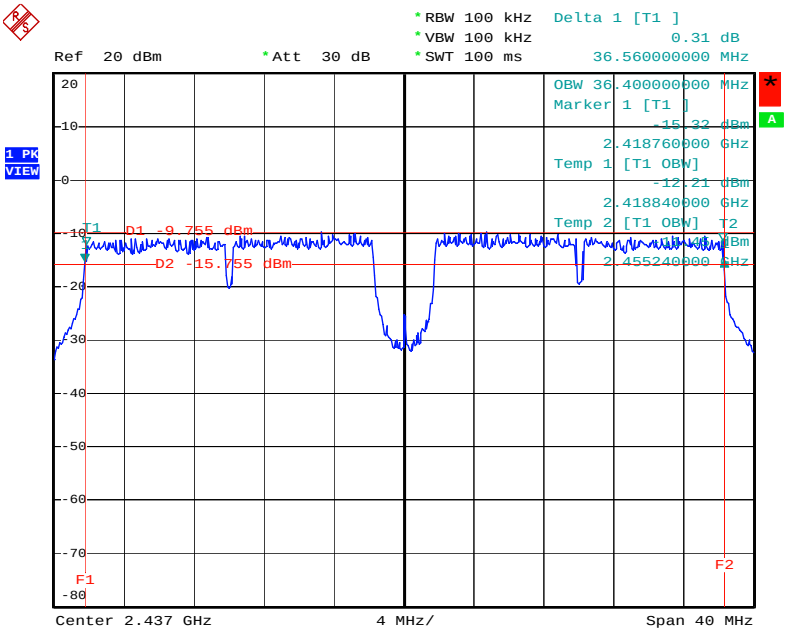
Date: 3.OCT.2006 08:31:03

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2422 MHz



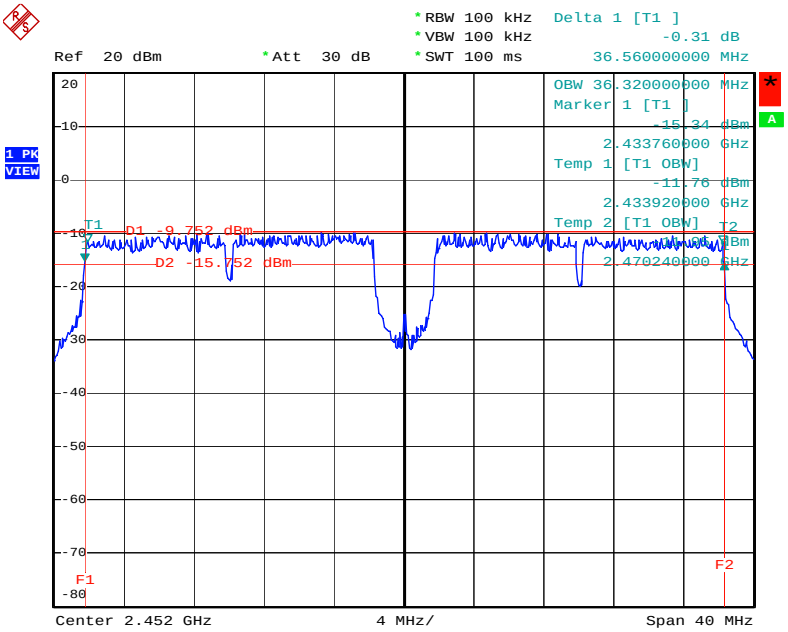
Date: 3.OCT.2006 09:29:39

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2437 MHz



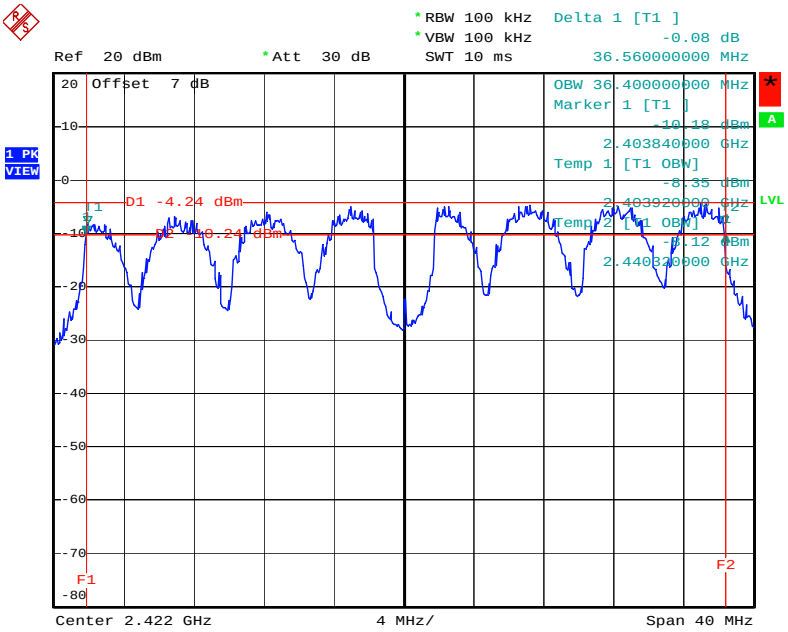
Date: 3.OCT.2006 09:30:53

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2452 MHz



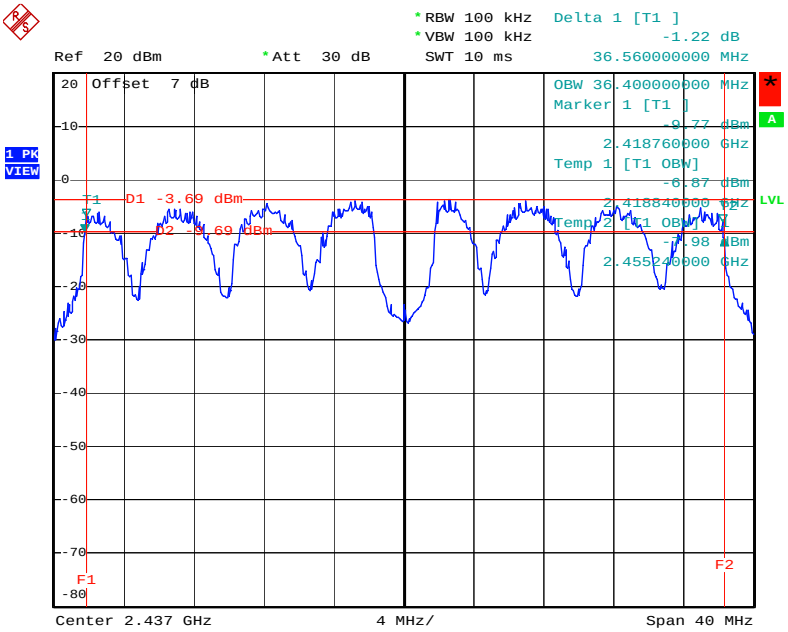
Date: 3.OCT.2006 09:31:46

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2422 MHz



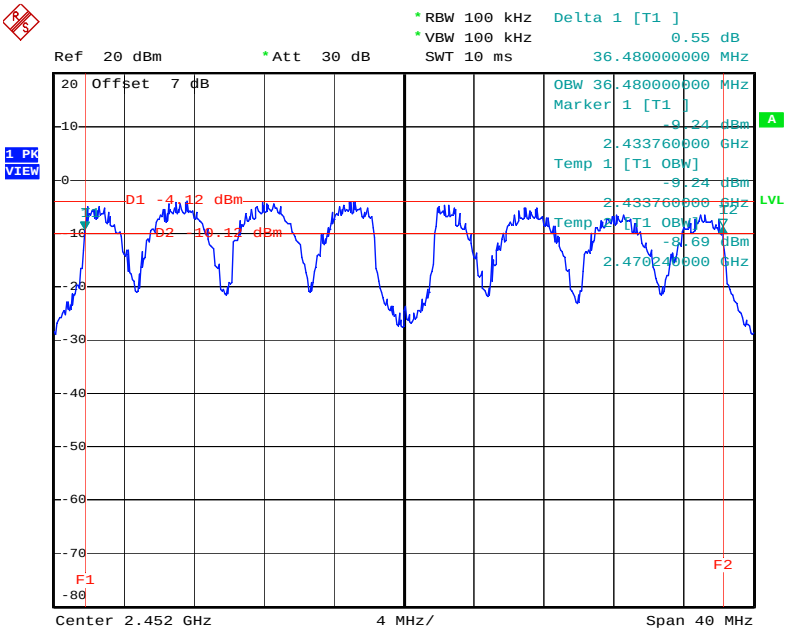
Date: 3.OCT.2006 07:44:58

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2437 MHz



Date: 3.OCT.2006 07:48:43

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2452 MHz



Date: 3.OCT.2006 07:49:48

4.5. Radiated Emissions Measurement

4.5.1. Limit

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

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100KHz / 100KHz for peak

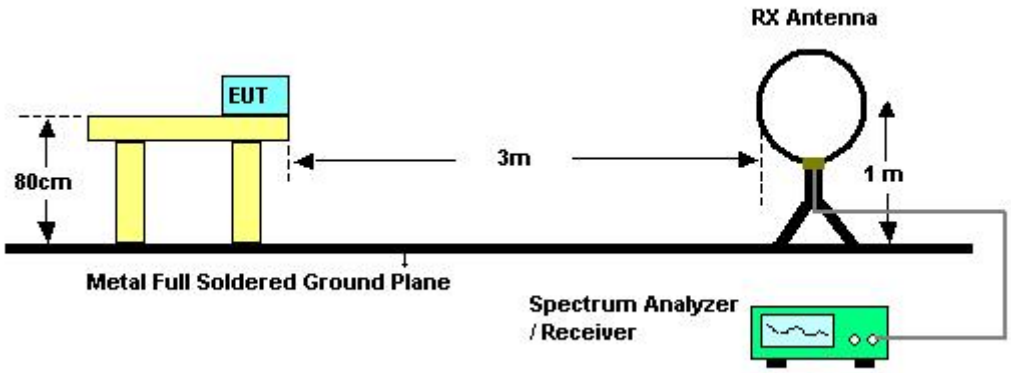
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.5.3. Test Procedures

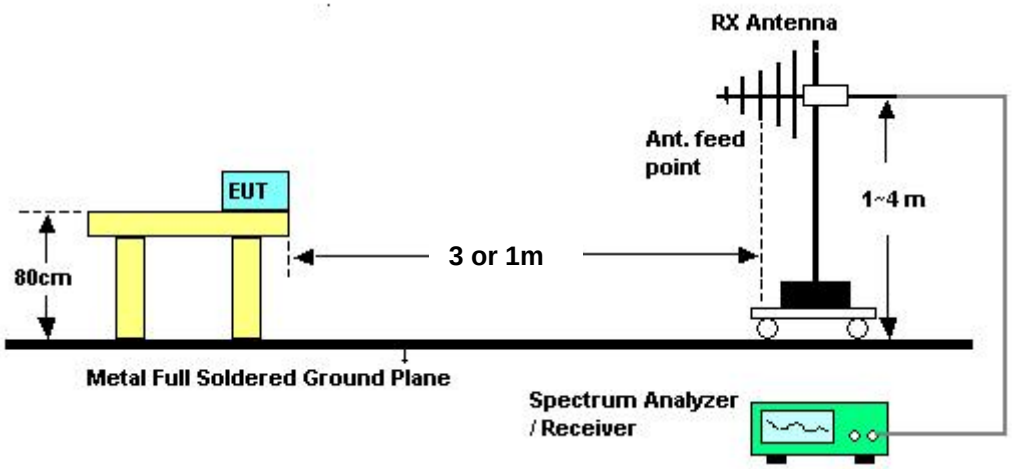
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting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

4.5.4. Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g Ch 6 40MHz Ant. A + Ant. B / USB Cable 2

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

Note:

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

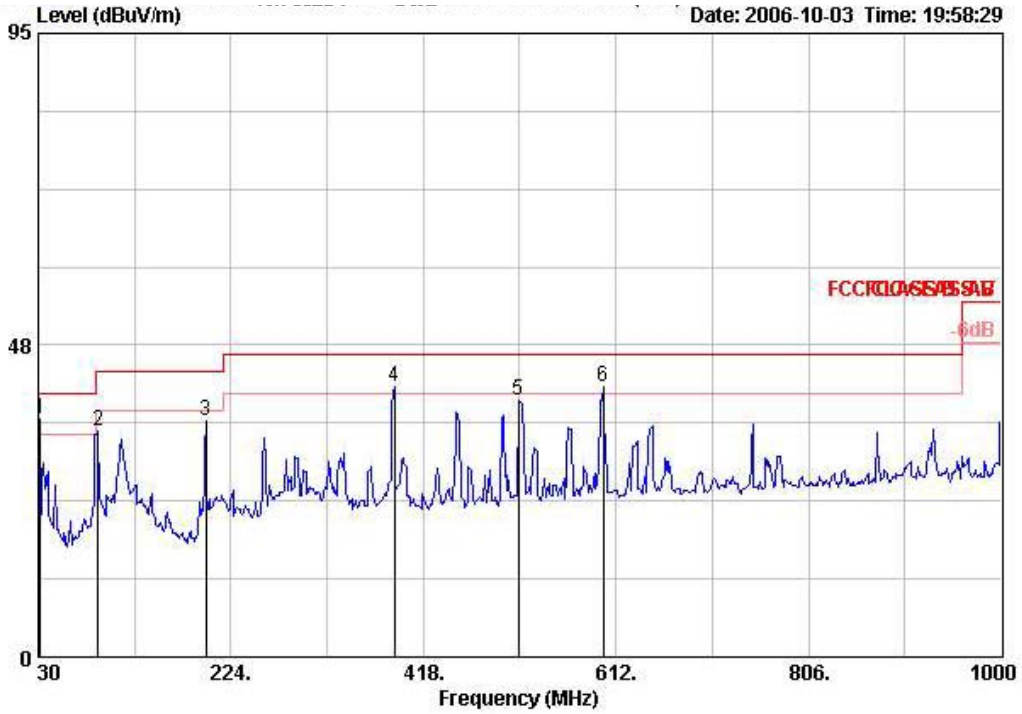
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

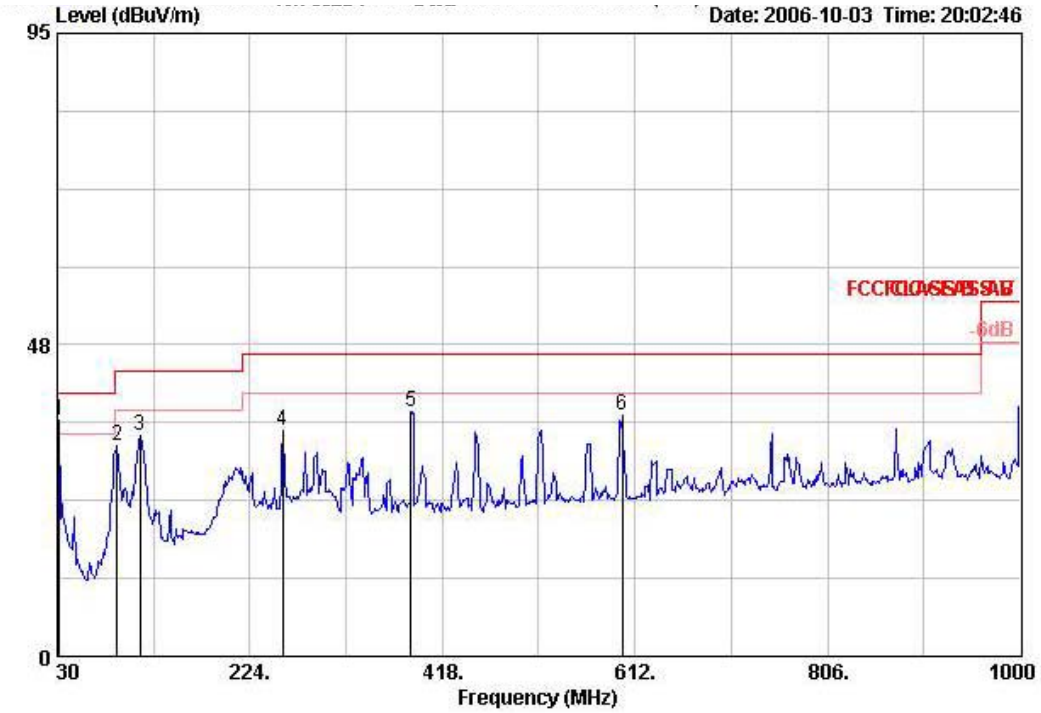
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A / USB Cable 1

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.31	-3.69	40.00	48.39	0.93	31.67	Peak	---	---	18.66
2 @	90.140	34.38	-9.12	43.50	55.09	1.43	31.55	Peak	---	---	9.40
3 @	198.780	35.97	-7.53	43.50	55.28	2.00	31.45	Peak	---	---	10.14
4 @	388.900	41.06	-4.94	46.00	53.17	2.63	31.08	Peak	---	---	16.34
5 @	514.030	39.00	-7.00	46.00	48.44	3.27	30.89	Peak	---	---	18.17
6 @	599.390	41.21	-4.79	46.00	49.76	3.10	30.75	Peak	---	---	19.10

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.08	-3.92	40.00	48.16	0.93	31.67	Peak	---	---	18.66
2 @	90.140	32.18	-11.32	43.50	52.90	1.43	31.55	Peak	---	---	9.40
3 @	113.420	33.64	-9.86	43.50	51.04	1.50	31.74	Peak	---	---	12.84
4 @	256.980	34.51	-11.49	46.00	49.73	2.46	31.35	Peak	---	---	13.67
5 @	385.990	37.40	-8.60	46.00	49.60	2.62	31.09	Peak	---	---	16.27
6 @	599.390	36.71	-9.29	46.00	45.26	3.10	30.75	Peak	---	---	19.10

Note:

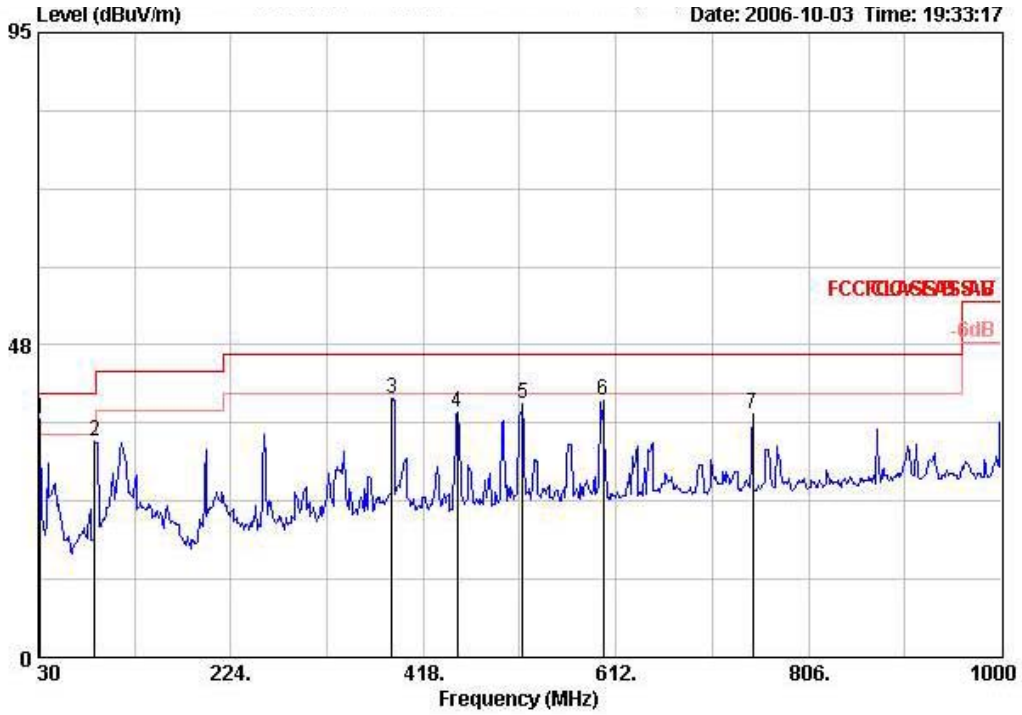
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

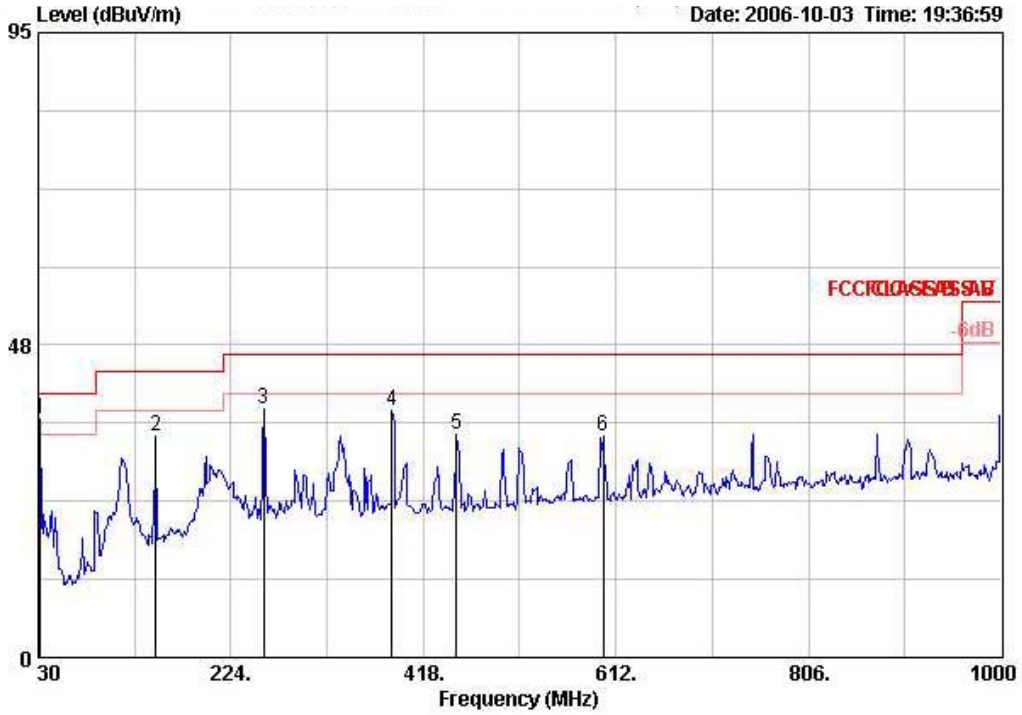
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.24	-3.76	40.00	48.32	0.93	31.67	Peak	---	---	18.66
2 @	87.230	32.80	-7.20	40.00	54.11	1.45	31.63	Peak	---	---	8.86
3 @	385.990	39.32	-6.68	46.00	51.52	2.62	31.09	Peak	---	---	16.27
4 @	451.950	37.34	-8.66	46.00	48.12	2.92	30.92	Peak	---	---	17.23
5 @	517.910	38.56	-7.44	46.00	47.91	3.26	30.87	Peak	---	---	18.25
6 @	599.390	38.97	-7.03	46.00	47.53	3.10	30.75	Peak	---	---	19.10
7 @	749.740	36.95	-9.05	46.00	43.02	3.90	30.27	Peak	---	---	20.30

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.16	-3.84	40.00	48.24	0.93	31.67	Peak	---	---	18.66
2 @	148.340	33.65	-9.85	43.50	52.05	1.83	31.54	Peak	---	---	11.31
3 @	256.980	37.72	-8.28	46.00	52.94	2.46	31.35	Peak	---	---	13.67
4 @	385.990	37.64	-8.36	46.00	49.84	2.62	31.09	Peak	---	---	16.27
5 @	450.980	33.80	-12.20	46.00	44.59	2.92	30.92	Peak	---	---	17.21
6 @	599.390	33.53	-12.47	46.00	42.08	3.10	30.75	Peak	---	---	19.10

Note:

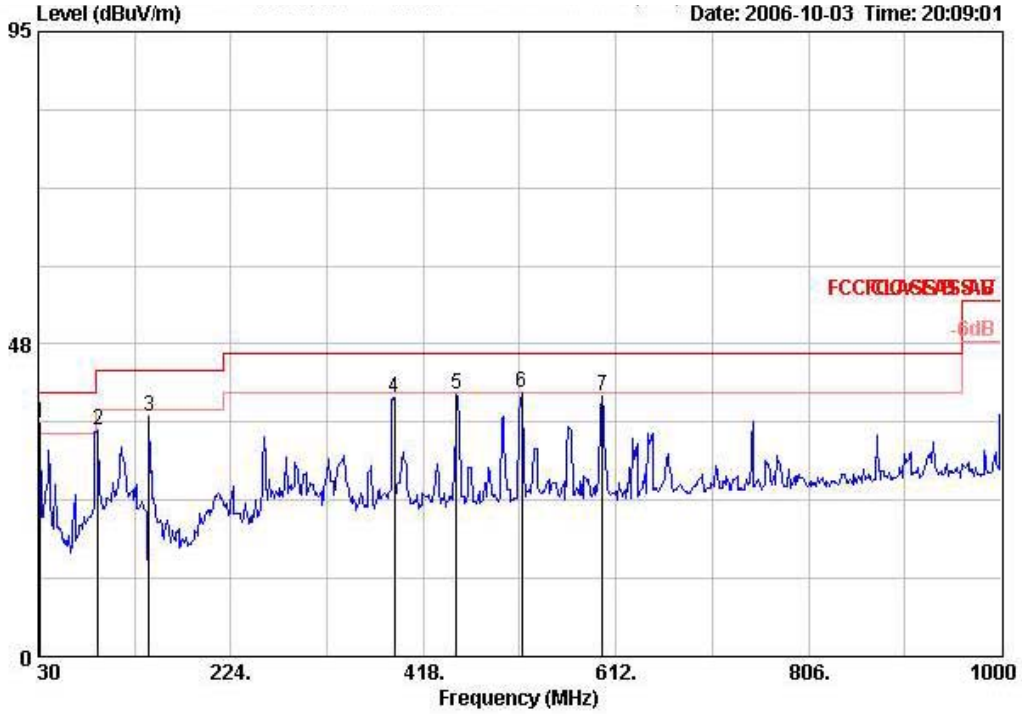
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

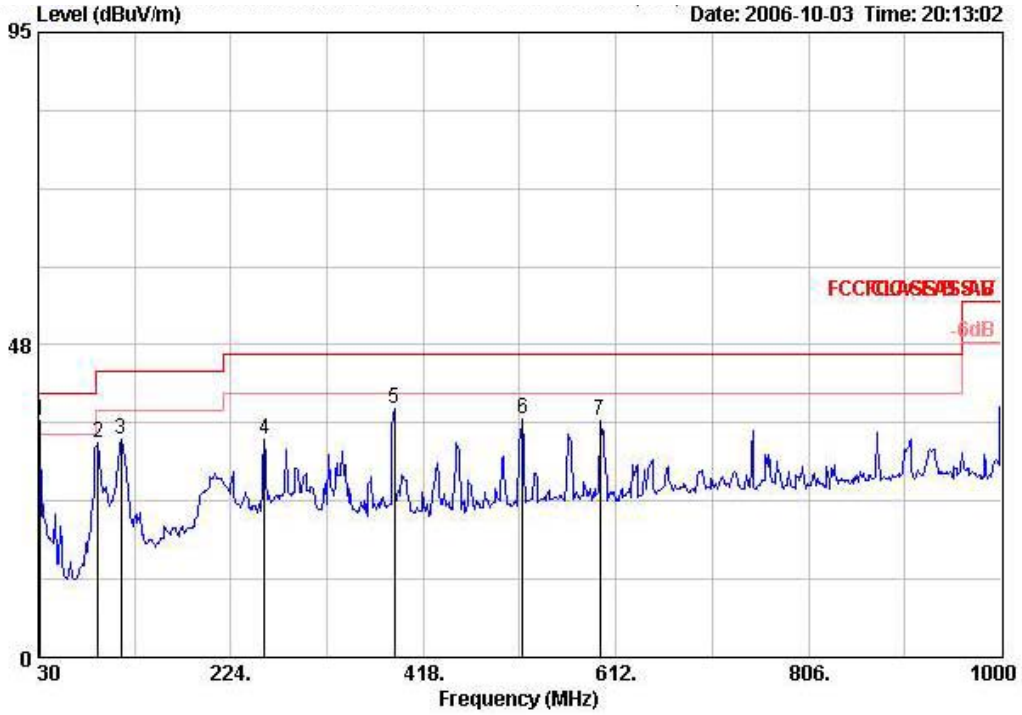
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A+ Ant. B / USB Cable 1

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	35.59	-4.41	40.00	47.67	0.93	31.67	Peak	---	---	18.66
2 @	90.140	34.39	-9.11	43.50	55.11	1.43	31.55	Peak	---	---	9.40
3 @	141.550	36.42	-7.08	43.50	54.59	1.70	31.56	Peak	---	---	11.69
4 @	388.900	39.36	-6.64	46.00	51.46	2.63	31.08	Peak	---	---	16.34
5 @	450.980	39.95	-6.05	46.00	50.75	2.92	30.92	Peak	---	---	17.21
6 @	516.940	40.11	-5.89	46.00	49.49	3.27	30.88	Peak	---	---	18.23
7 @	598.420	39.73	-6.27	46.00	48.29	3.10	30.75	Peak	---	---	19.09

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.07	-3.93	40.00	48.15	0.93	31.67	Peak	---	---	18.66
2 @	90.140	32.59	-10.91	43.50	53.31	1.43	31.55	Peak	---	---	9.40
3 @	113.420	33.04	-10.46	43.50	50.45	1.50	31.74	Peak	---	---	12.84
4 @	257.950	33.16	-12.84	46.00	48.24	2.48	31.35	Peak	---	---	13.78
5 @	388.900	37.78	-8.22	46.00	49.88	2.63	31.08	Peak	---	---	16.34
6 @	517.910	36.24	-9.76	46.00	45.59	3.26	30.87	Peak	---	---	18.25
7 @	595.510	35.95	-10.05	46.00	44.51	3.11	30.75	Peak	---	---	19.08

Note:

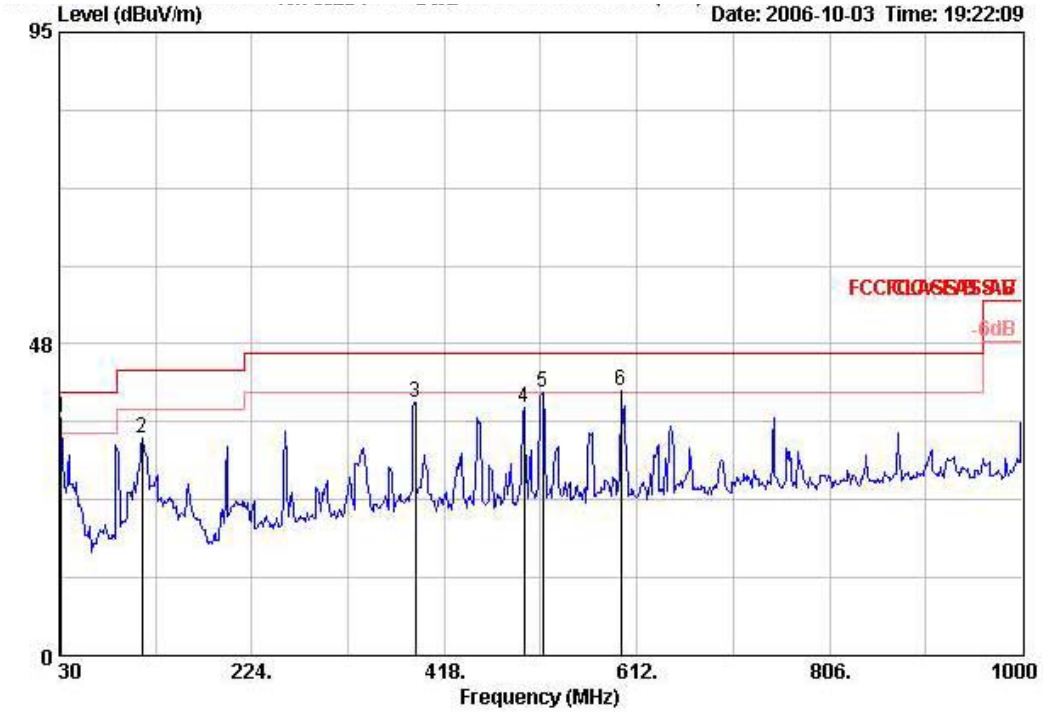
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

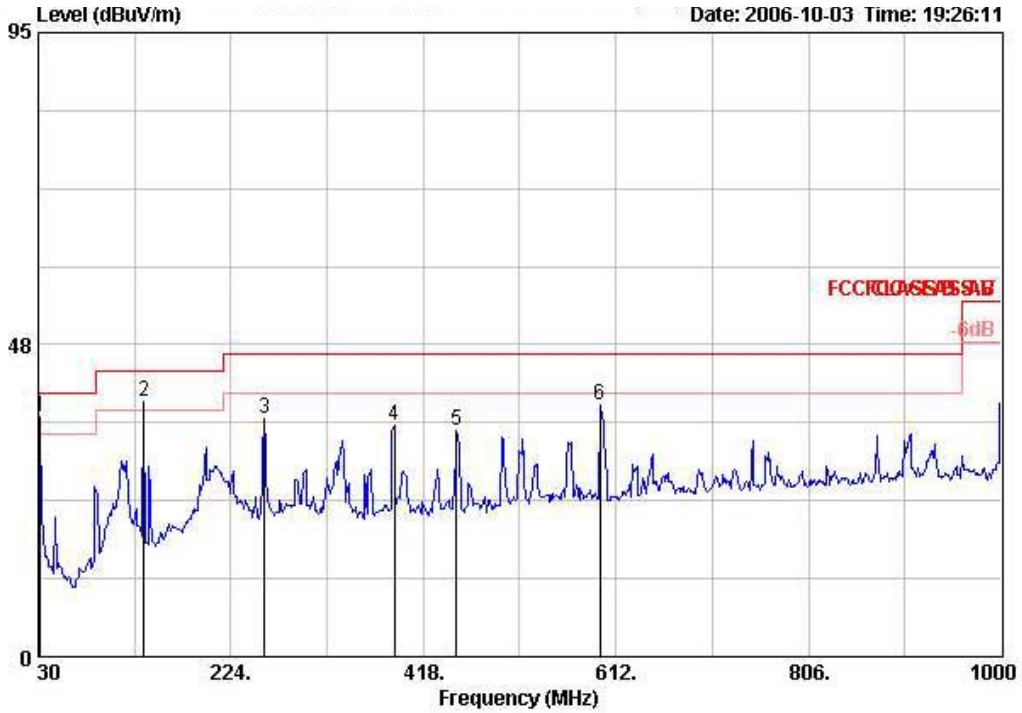
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A+ Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.23	-3.77	40.00	48.31	0.93	31.67	Peak	---	---	18.66
2 @	113.420	33.21	-10.29	43.50	50.62	1.50	31.74	Peak	---	---	12.84
3 @	388.900	38.70	-7.30	46.00	50.80	2.63	31.08	Peak	---	---	16.34
4 @	498.510	37.74	-8.26	46.00	47.52	3.28	30.94	Peak	---	---	17.87
5 @	516.940	40.21	-5.79	46.00	49.59	3.27	30.88	Peak	---	---	18.23
6 @	595.510	40.26	-5.74	46.00	48.82	3.11	30.75	Peak	---	---	19.08

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	31.940	36.38	-3.62	40.00	48.46	0.93	31.67	Peak	---	---	18.66
2 @	136.700	38.79	-4.71	43.50	56.68	1.70	31.60	Peak	---	---	12.01
3 @	257.950	36.26	-9.74	46.00	51.34	2.48	31.35	Peak	---	---	13.78
4 @	388.900	35.25	-10.75	46.00	47.35	2.63	31.08	Peak	---	---	16.34
5 @	450.980	34.49	-11.51	46.00	45.28	2.92	30.92	Peak	---	---	17.21
6 @	595.510	38.40	-7.60	46.00	46.96	3.11	30.75	Peak	---	---	19.08

Note:

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

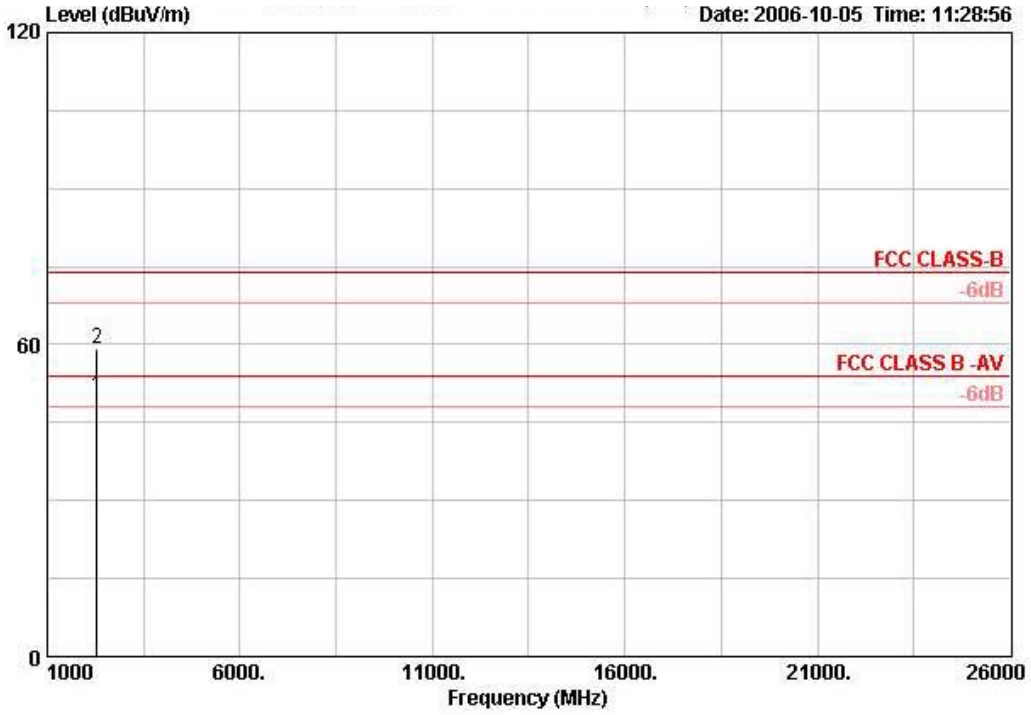
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

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

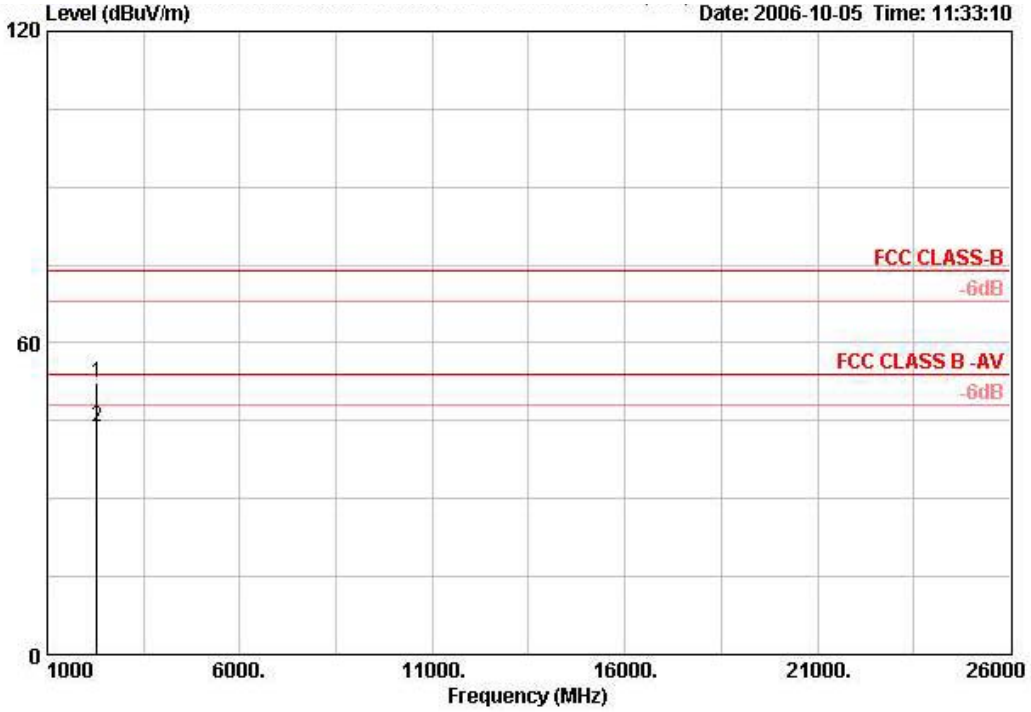
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 1 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.070	49.96	-4.04	54.00	54.40	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.160	59.21	-14.79	74.00	63.65	2.69	35.04	PEAK	100	5	27.91

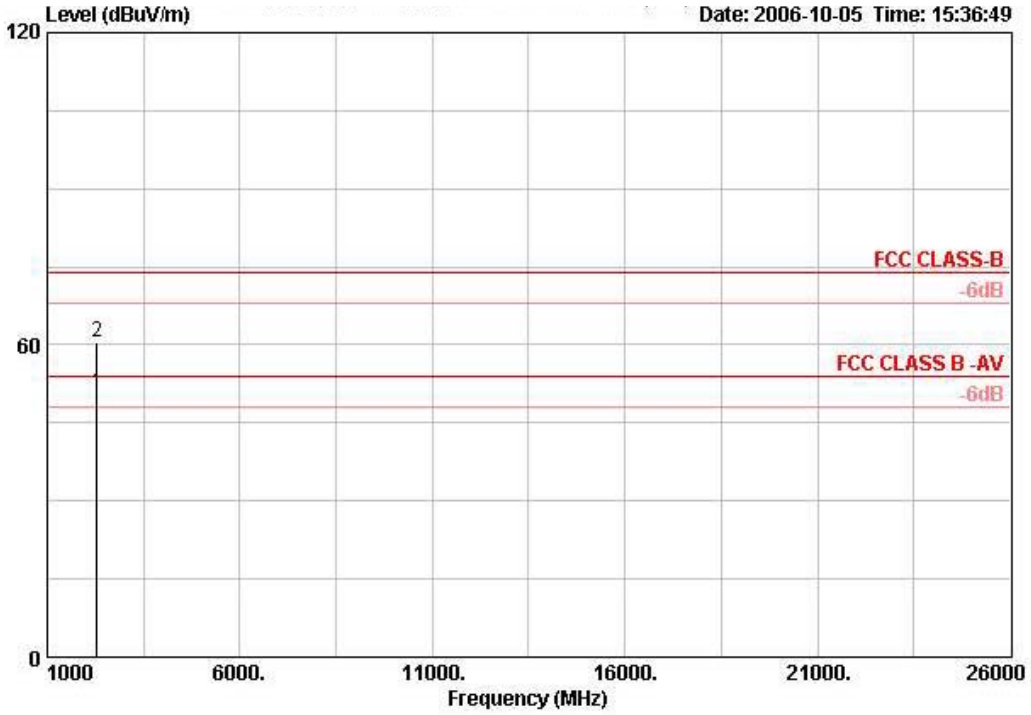
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.960	52.36	-21.64	74.00	56.81	2.69	35.04	PEAK	100	167	27.91
2 @	2280.050	43.78	-10.22	54.00	48.22	2.69	35.04	AVERAGE	100	167	27.91

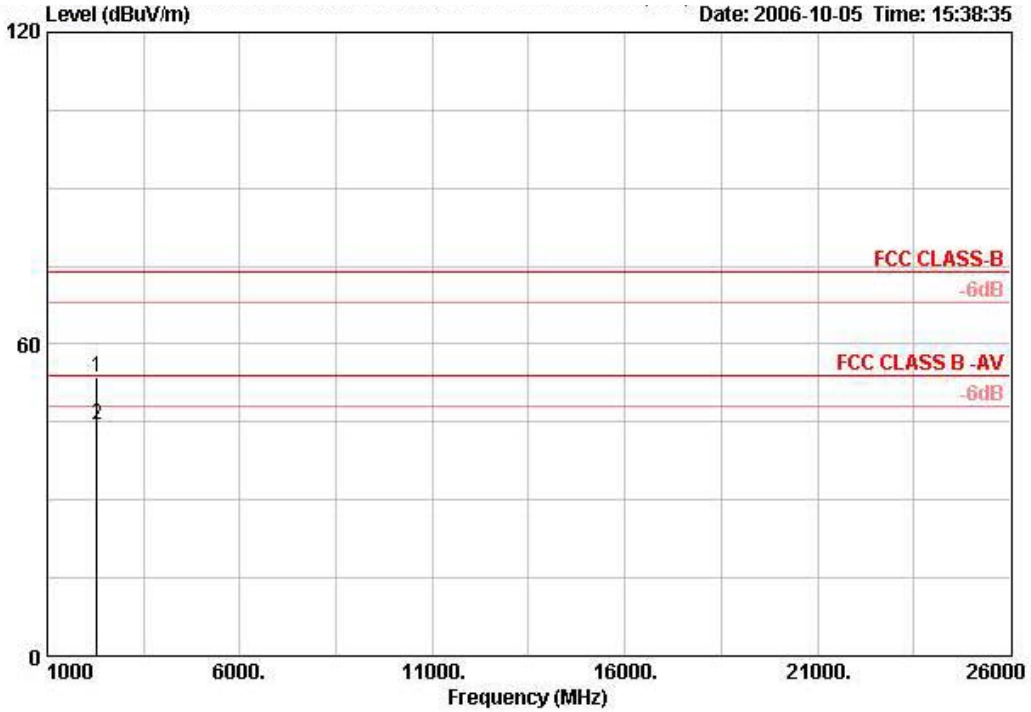
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 6 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.050	50.78	-3.22	54.00	55.22	2.69	35.04	AVERAGE	100	6	27.91
2 @	2280.510	60.61	-13.39	74.00	65.06	2.69	35.04	PEAK	100	6	27.91

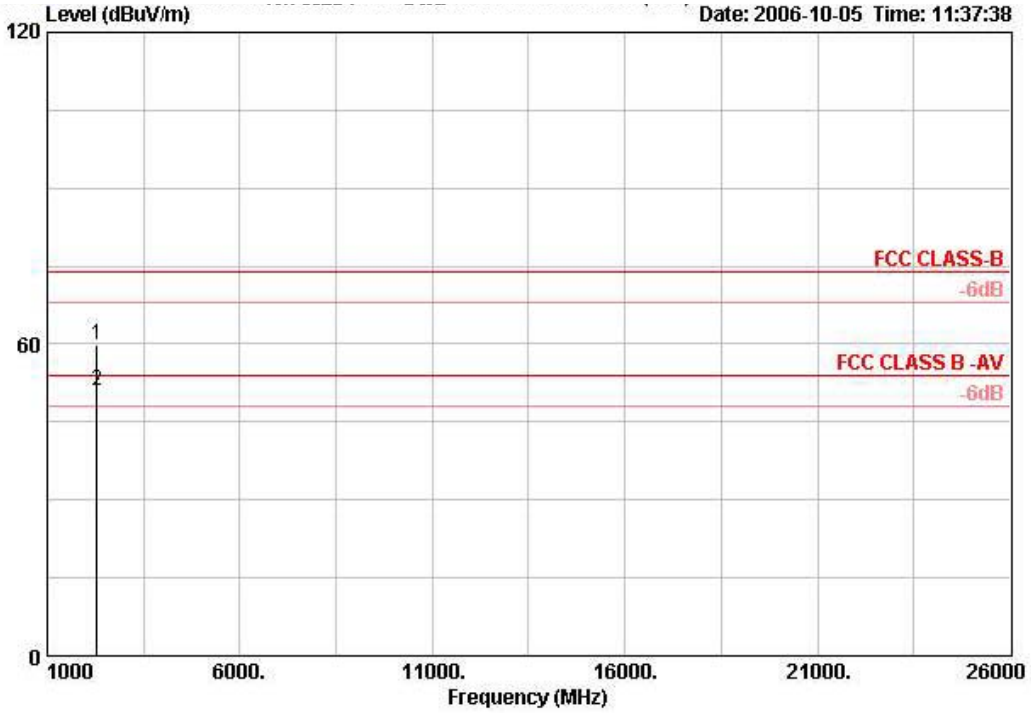
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.840	53.69	-20.31	74.00	58.14	2.69	35.04	PEAK	100	161	27.91
2 @	2280.010	44.60	-9.40	54.00	49.04	2.69	35.04	AVERAGE	100	161	27.91

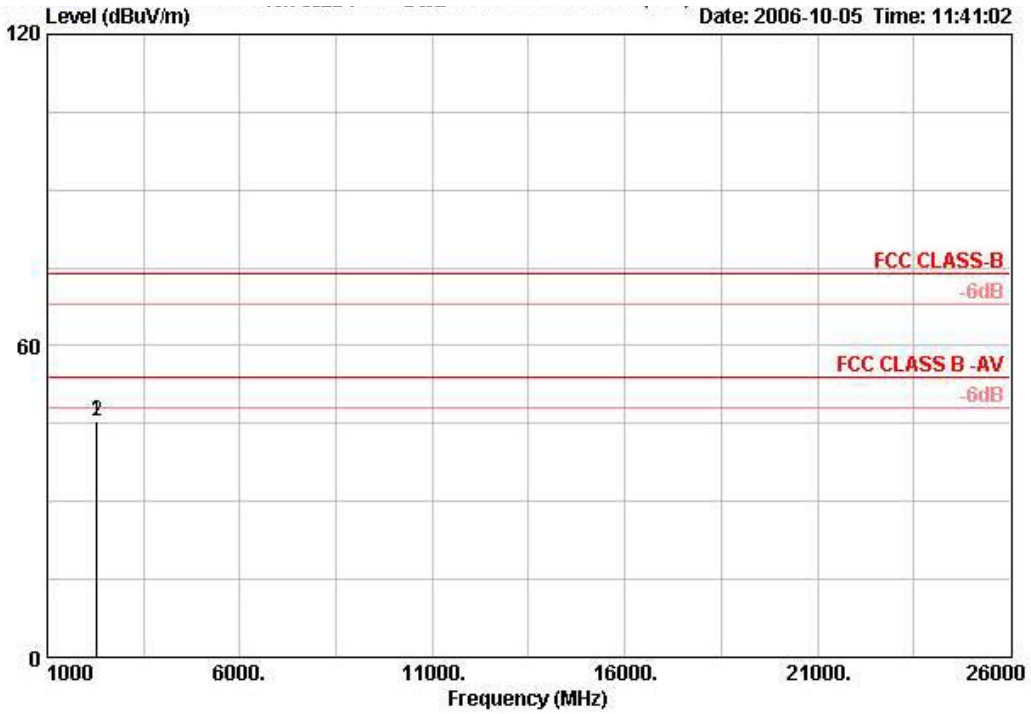
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 11 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.840	59.82	-14.18	74.00	64.26	2.69	35.04	PEAK	100	5	27.91
2 @	2280.050	51.11	-2.89	54.00	55.55	2.69	35.04	AVERAGE	100	5	27.91

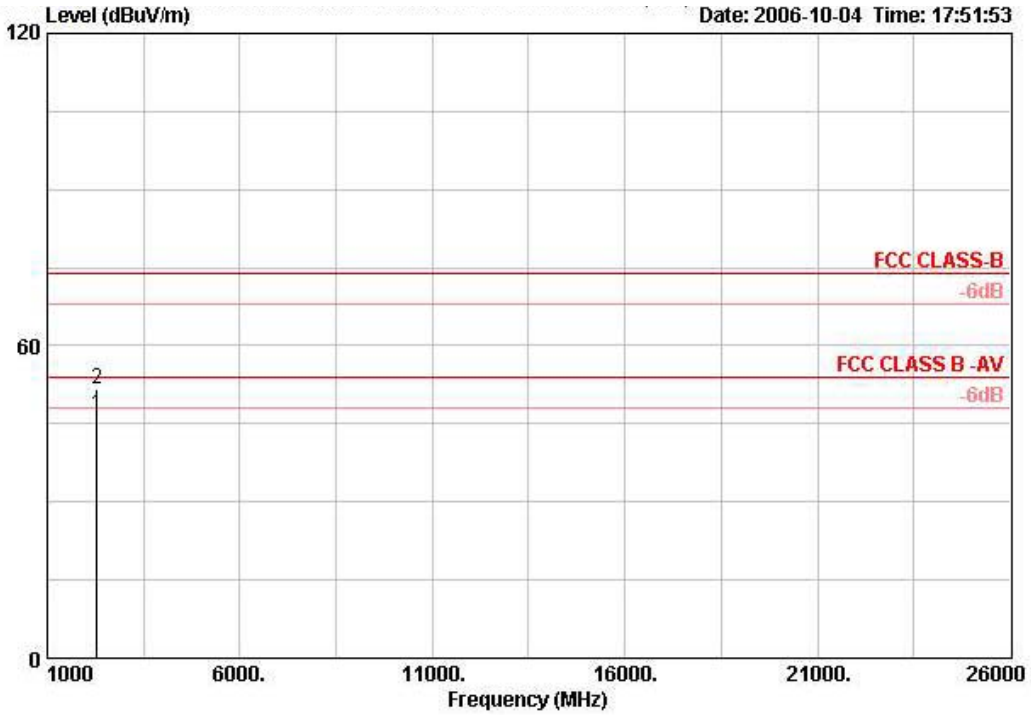
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.970	45.61	-28.39	74.00	50.05	2.69	35.04	PEAK	100	167	27.91
2 @	2280.080	45.52	-8.48	54.00	49.96	2.69	35.04	AVERAGE	100	167	27.91

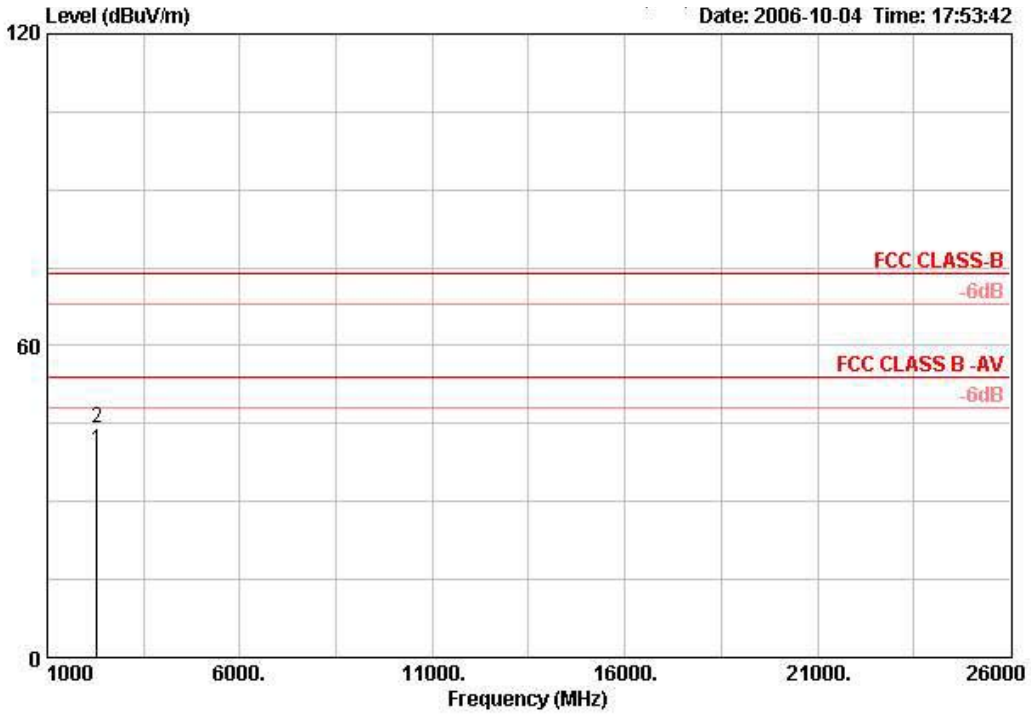
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 1 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.080	46.62	-7.38	54.00	51.07	2.69	35.04	AVERAGE	100	214	27.91
2 @	2280.300	51.75	-22.25	74.00	56.19	2.69	35.04	PEAK	100	214	27.91

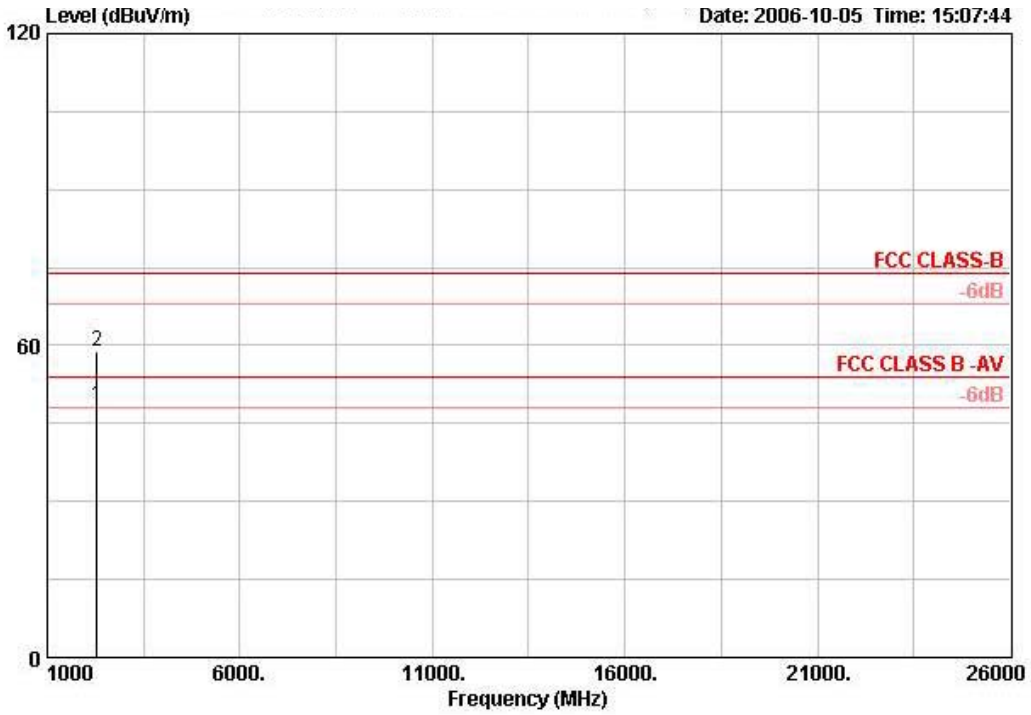
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.040	40.02	-13.98	54.00	44.46	2.69	35.04	AVERAGE	100	272	27.91
2	2280.140	44.00	-30.00	74.00	48.44	2.69	35.04	PEAK	100	272	27.91

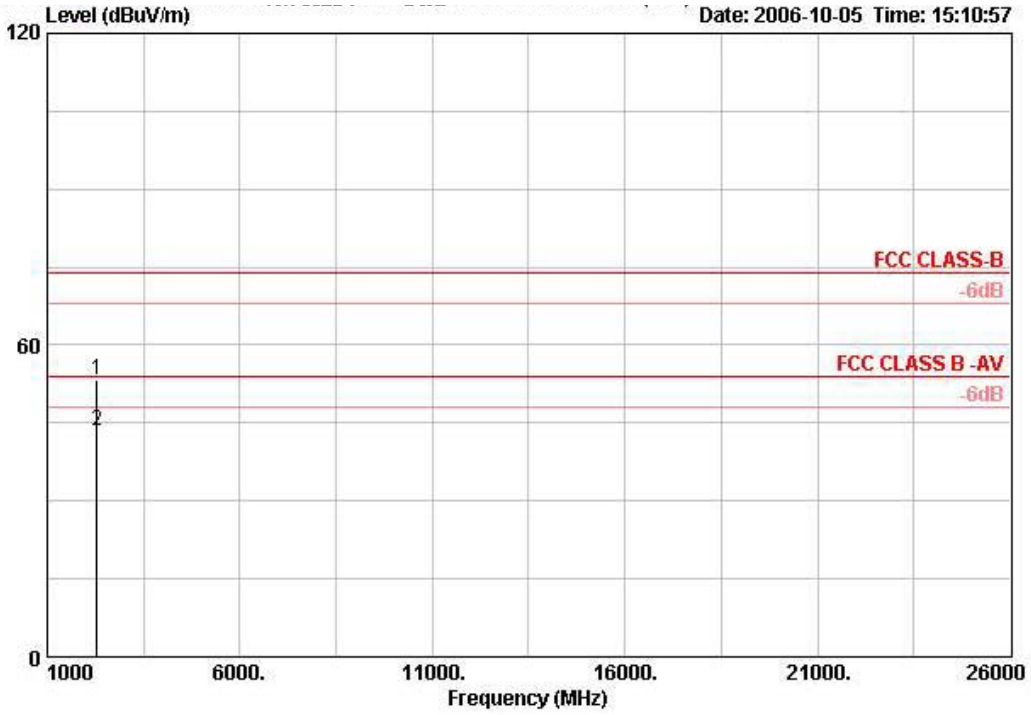
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 6 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.020	48.31	-5.69	54.00	52.76	2.69	35.04	AVERAGE	121	252	27.91
2 @	2280.340	58.77	-15.23	74.00	63.22	2.69	35.04	PEAK	121	252	27.91

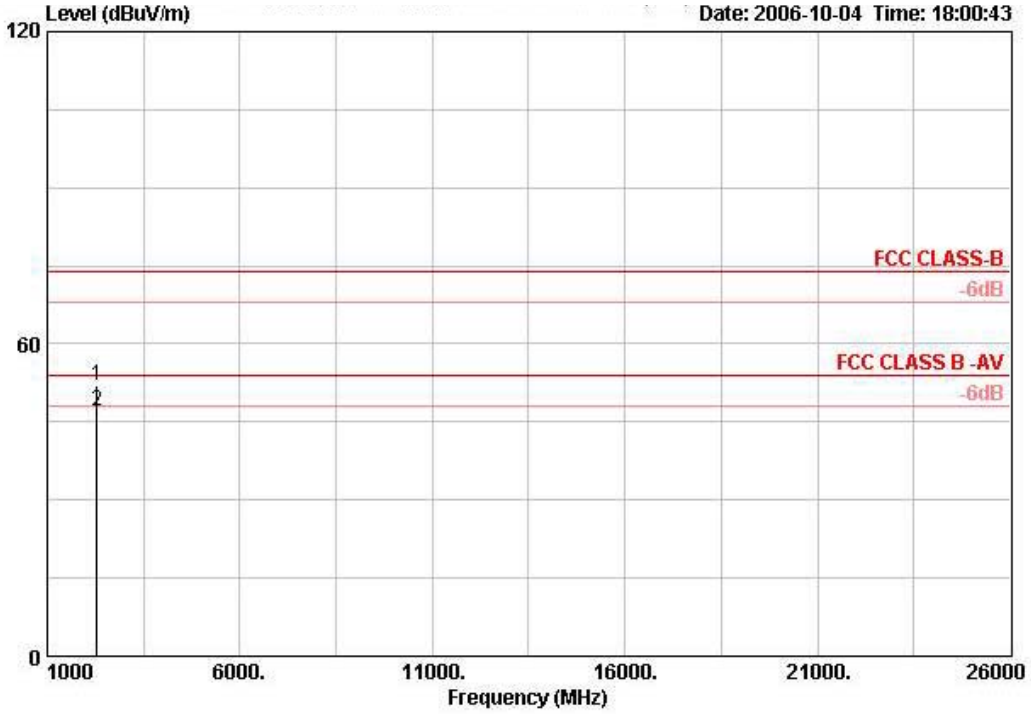
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.840	53.16	-20.84	74.00	57.61	2.69	35.04	PEAK	100	159	27.91
2 @	2280.020	43.51	-10.49	54.00	47.96	2.69	35.04	AVERAGE	100	159	27.91

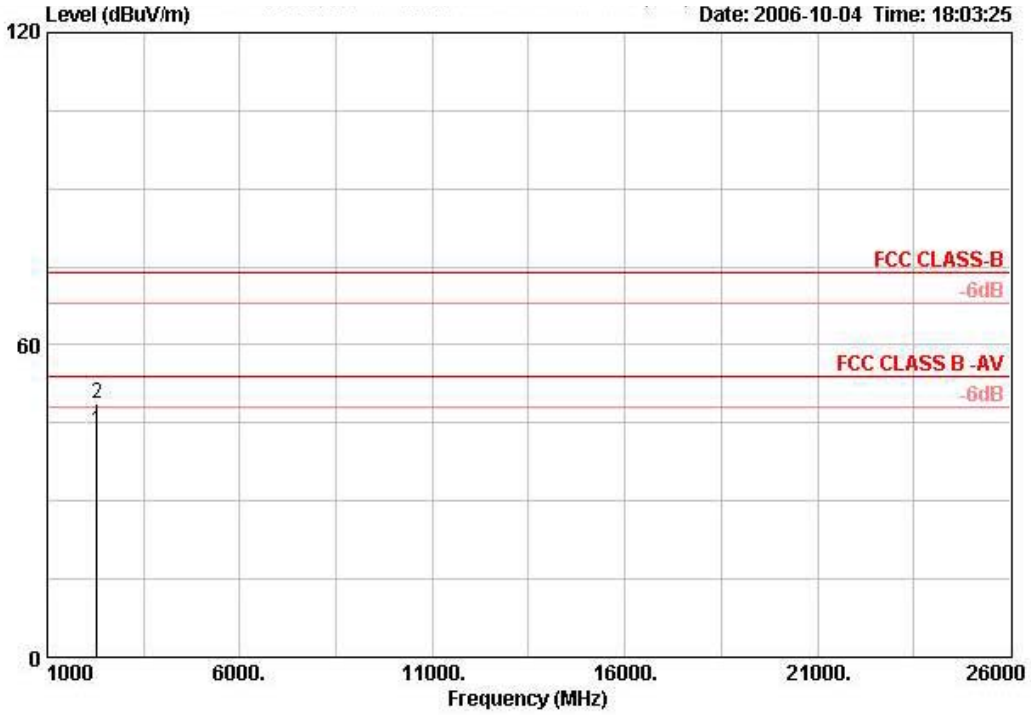
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 11 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.640	51.91	-22.09	74.00	56.36	2.69	35.04	PEAK	100	214	27.91
2 @	2280.040	47.21	-6.79	54.00	51.66	2.69	35.04	AVERAGE	100	214	27.91

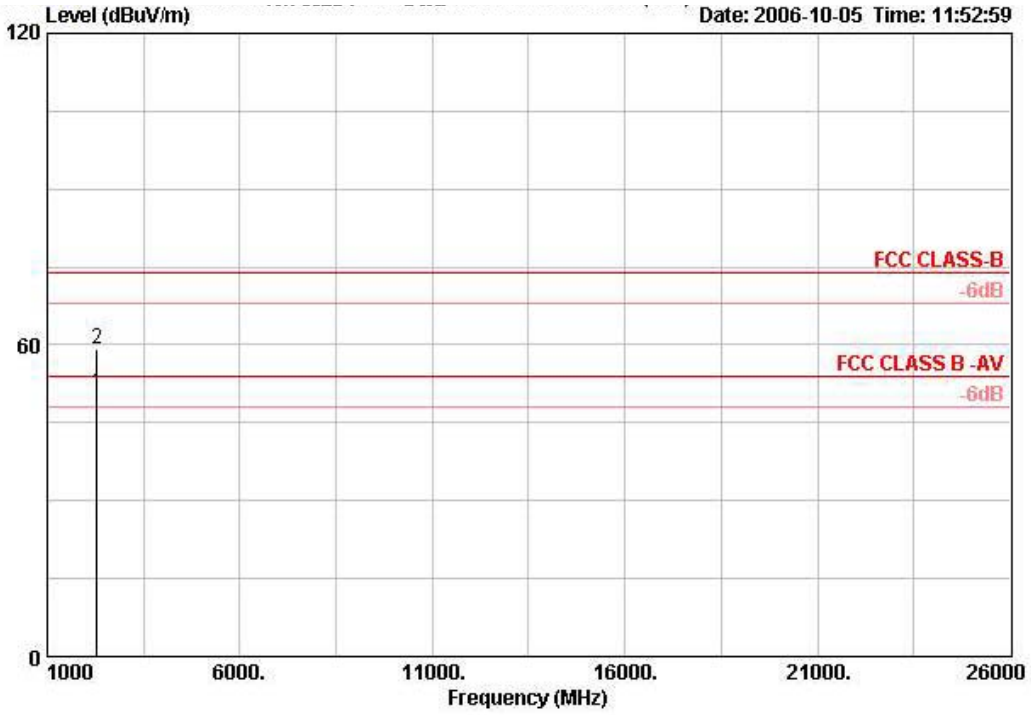
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.080	43.49	-10.51	54.00	47.94	2.69	35.04	AVERAGE	100	189	27.91
2 @	2280.280	48.86	-25.14	74.00	53.31	2.69	35.04	PEAK	100	189	27.91

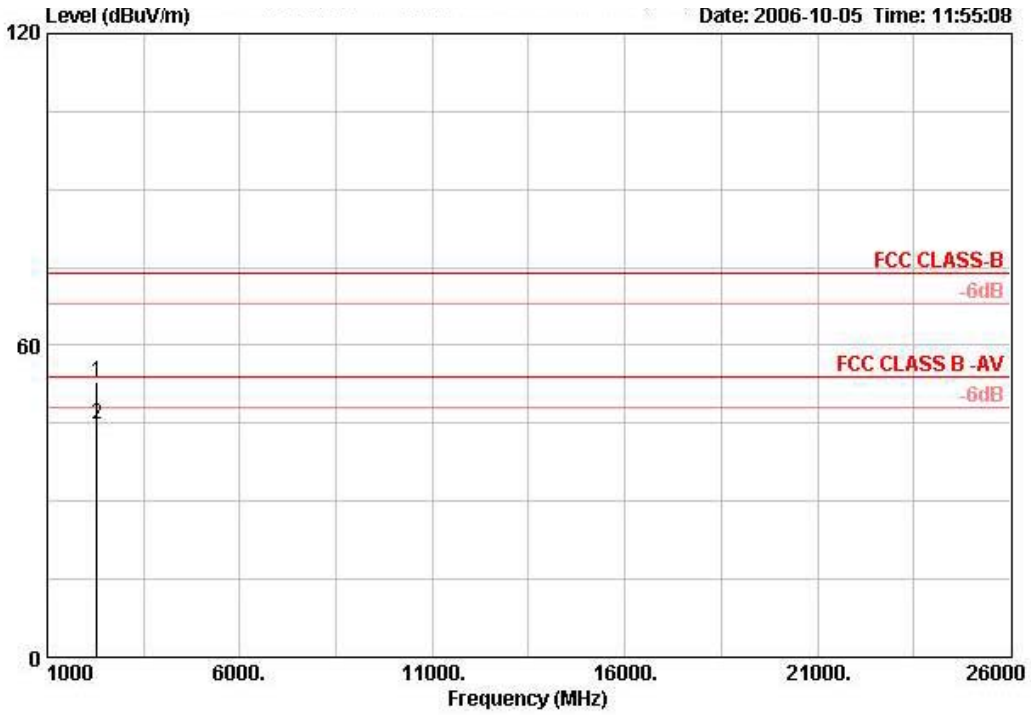
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 3(Upper) Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.030	50.72	-3.28	54.00	55.16	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.300	59.11	-14.89	74.00	63.56	2.69	35.04	PEAK	100	5	27.91

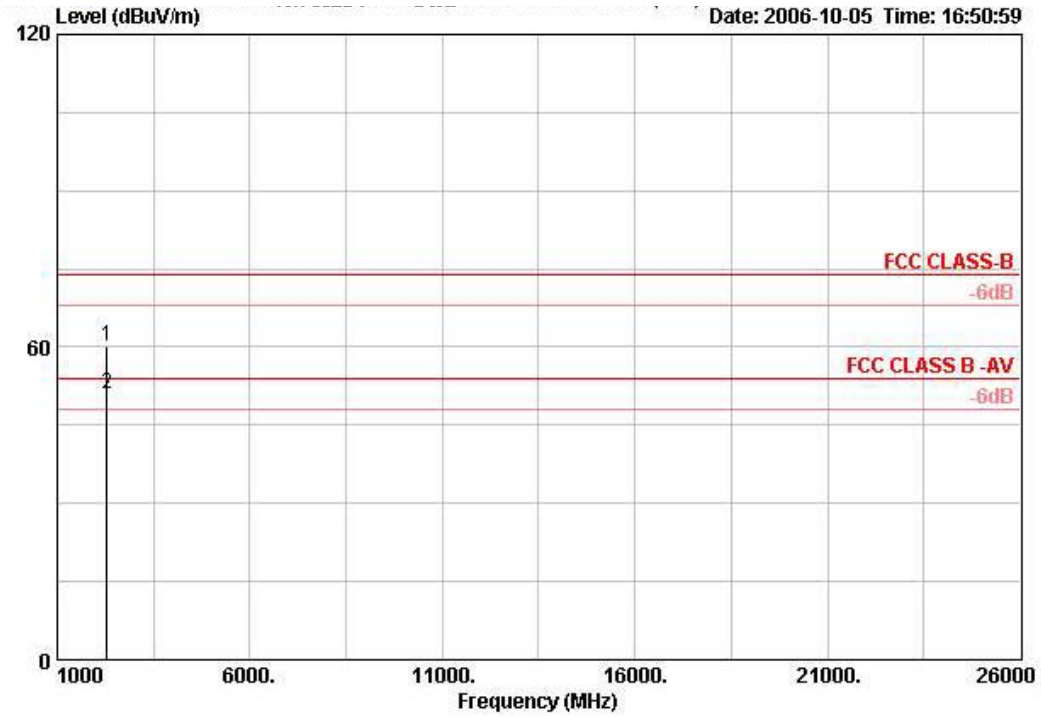
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.880	53.01	-20.99	74.00	57.46	2.69	35.04	PEAK	100	169	27.91
2 @	2280.050	44.83	-9.17	54.00	49.28	2.69	35.04	AVERAGE	100	169	27.91

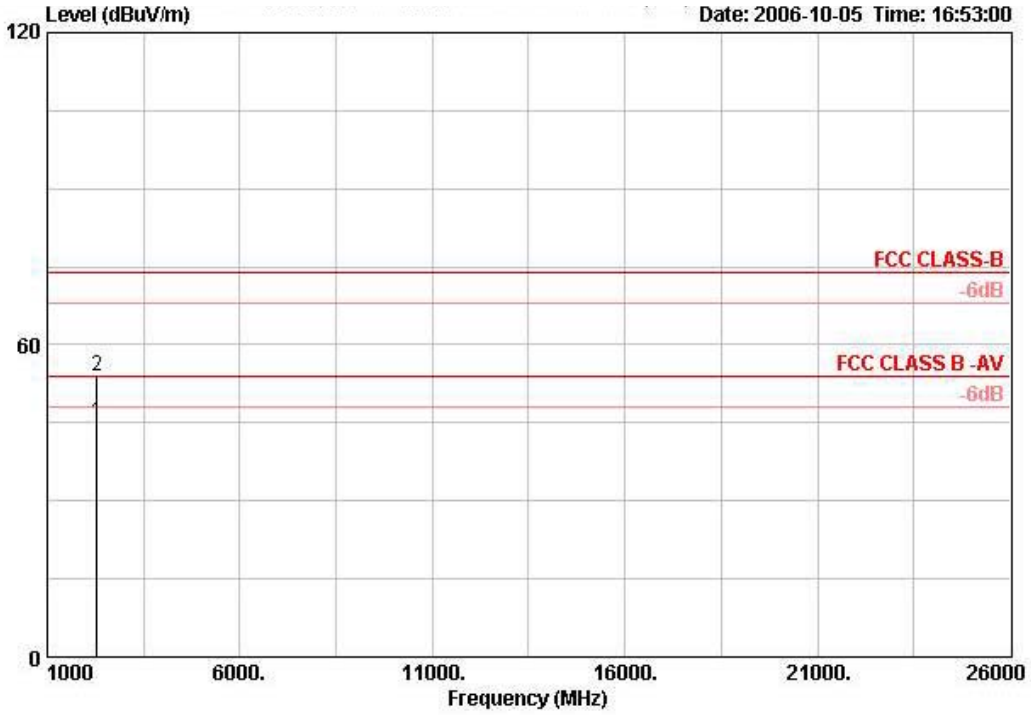
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 6(Lower) Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.820	60.20	-13.80	74.00	64.65	2.69	35.04	PEAK	150	12	27.91
2 @	2280.040	51.04	-2.96	54.00	55.49	2.69	35.04	AVERAGE	150	12	27.91

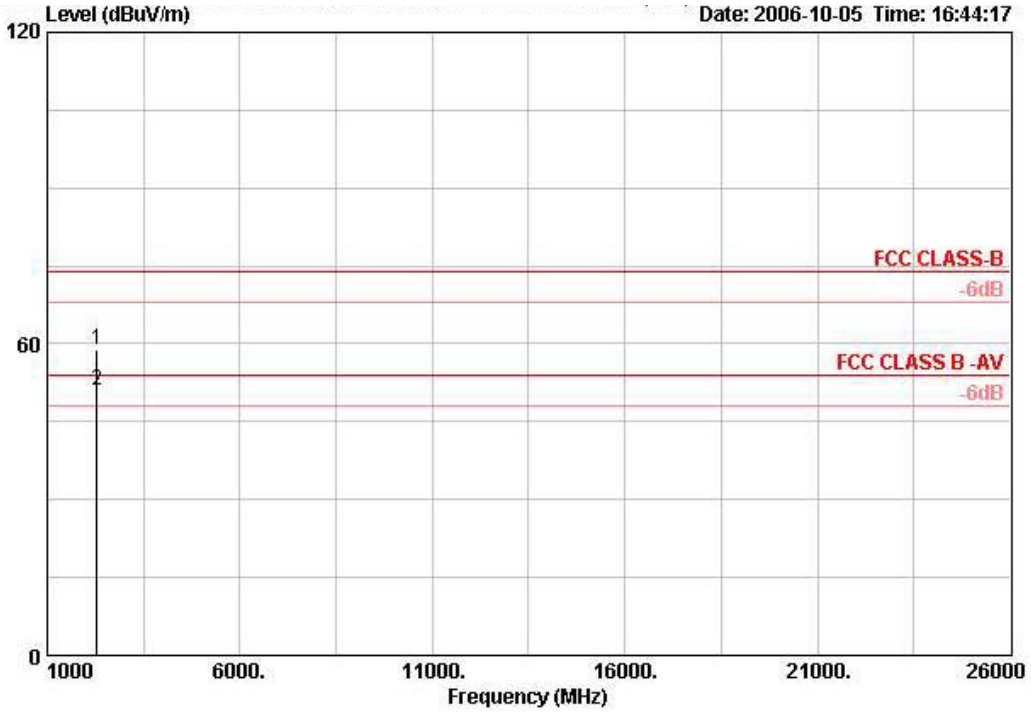
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.000	45.02	-8.98	54.00	49.47	2.69	35.04	AVERAGE	100	176	27.91
2 @	2280.020	54.02	-19.98	74.00	58.47	2.69	35.04	PEAK	100	176	27.91

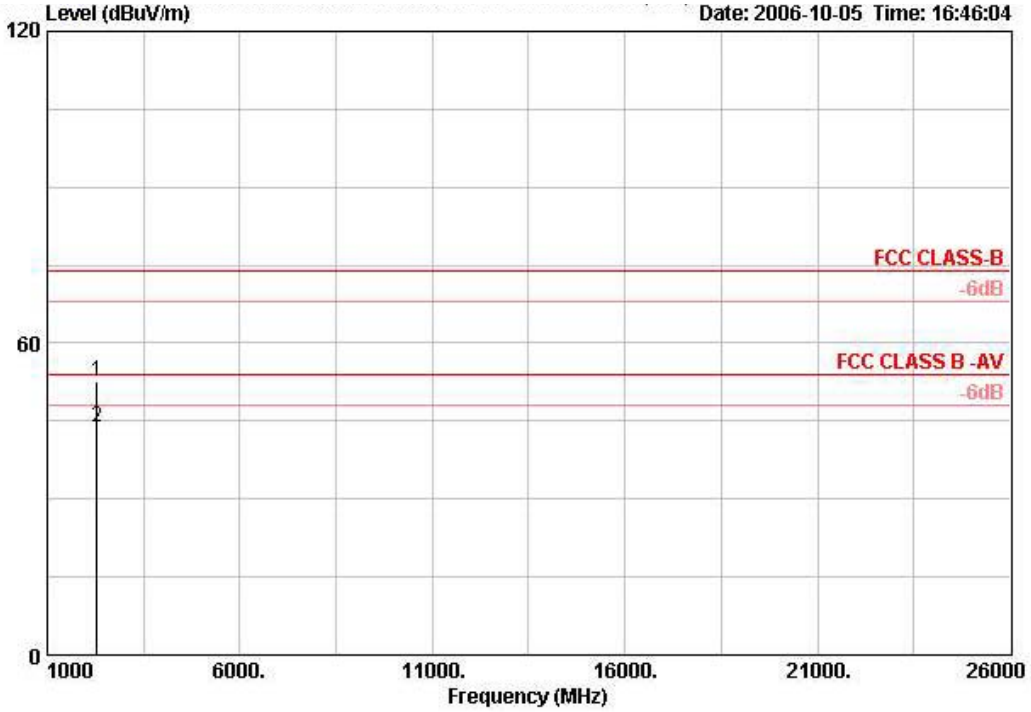
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 6(Upper) Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.860	58.92	-15.08	74.00	63.36	2.69	35.04	PEAK	149	12	27.91
2 @	2280.040	51.03	-2.97	54.00	55.47	2.69	35.04	AVERAGE	149	12	27.91

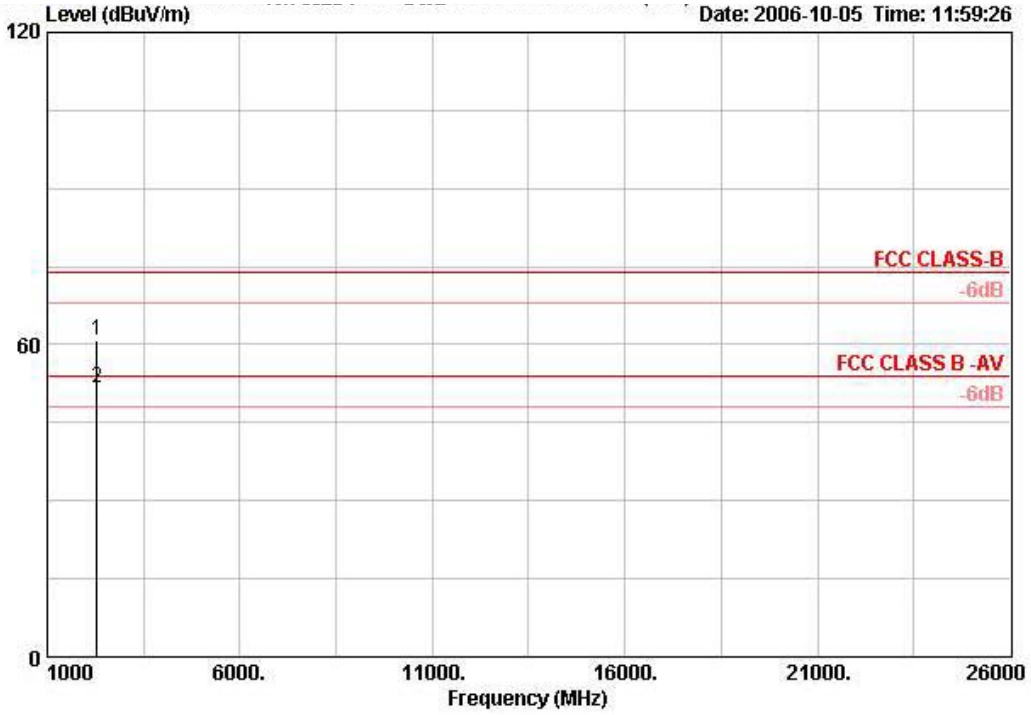
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.520	52.52	-21.48	74.00	56.97	2.69	35.04	PEAK	100	174	27.91
2 @	2280.020	43.87	-10.13	54.00	48.32	2.69	35.04	AVERAGE	100	174	27.91

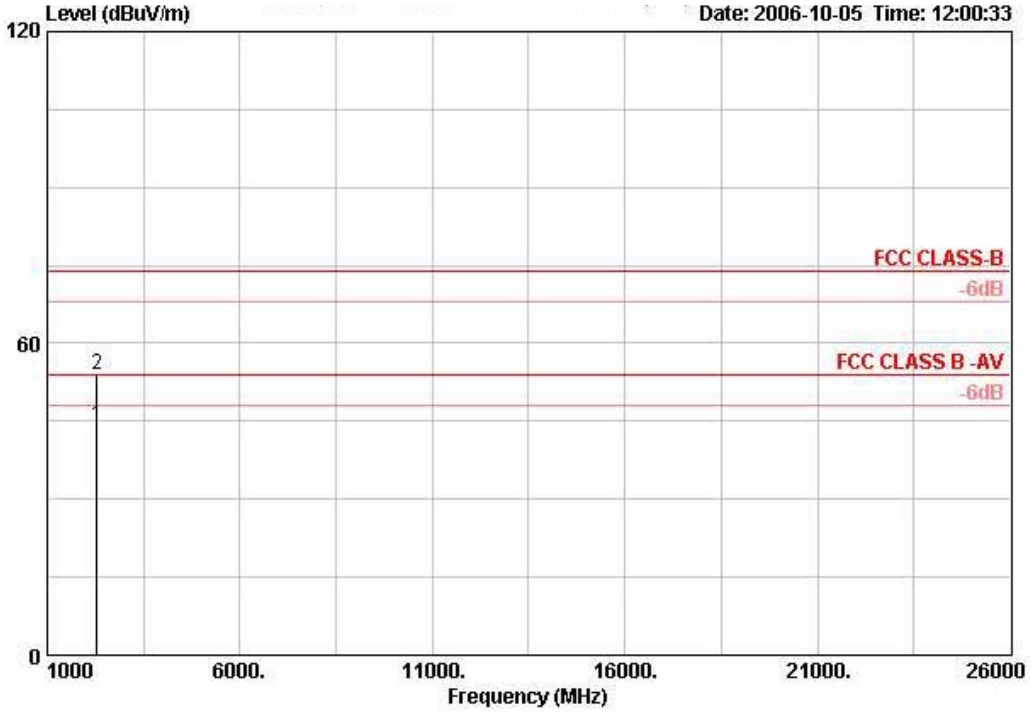
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 9(Lower) Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.070	60.73	-13.27	74.00	65.18	2.69	35.04	PEAK	148	5	27.91
2 @	2280.090	51.70	-2.30	54.00	56.14	2.69	35.04	AVERAGE	148	5	27.91

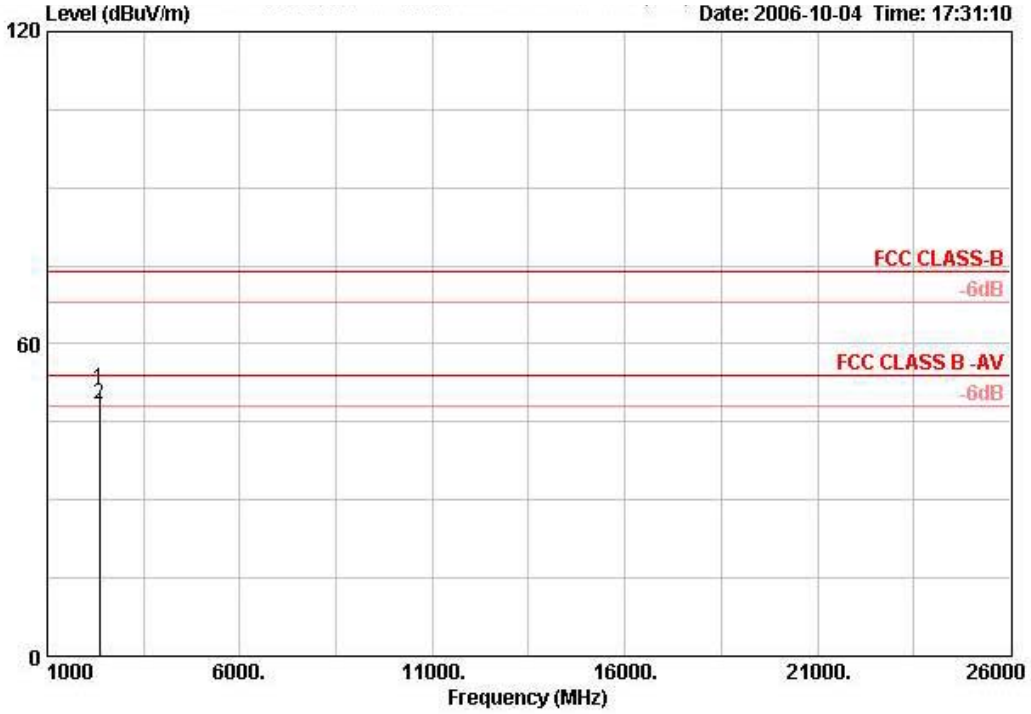
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.010	44.29	-9.71	54.00	48.73	2.69	35.04	AVERAGE	100	167	27.91
2 @	2280.080	53.89	-20.11	74.00	58.33	2.69	35.04	PEAK	100	167	27.91

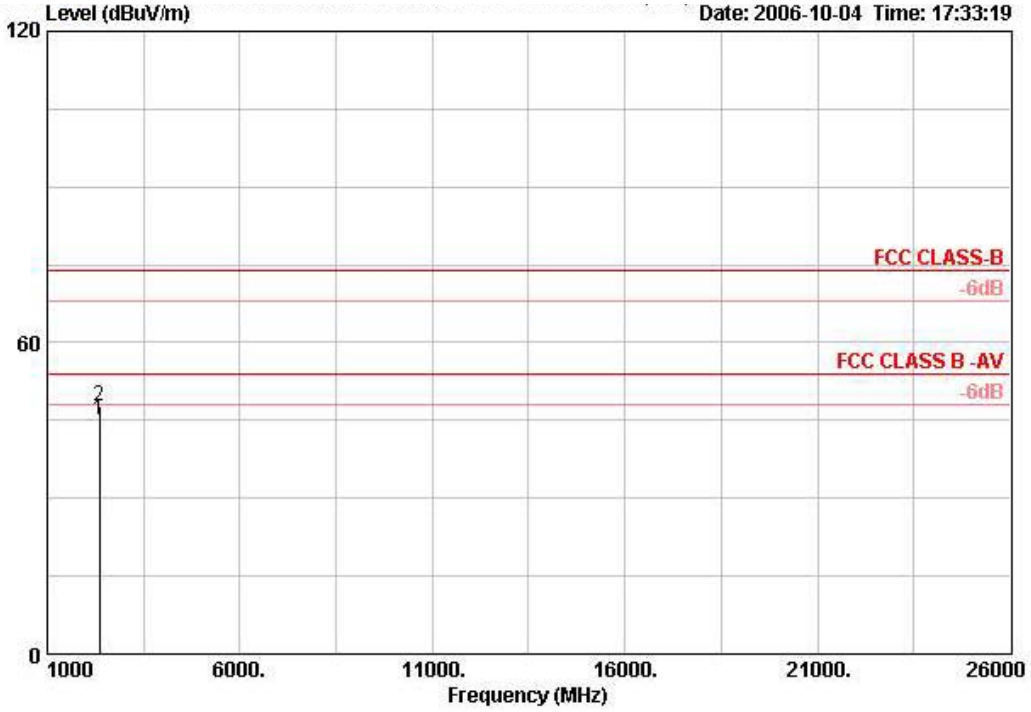
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 3(Upper) Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2347.280	51.20	-22.80	74.00	55.49	2.74	35.08	PEAK	107	2	28.06
2 @	2348.000	48.36	-5.64	54.00	52.65	2.74	35.08	AVERAGE	107	2	28.06

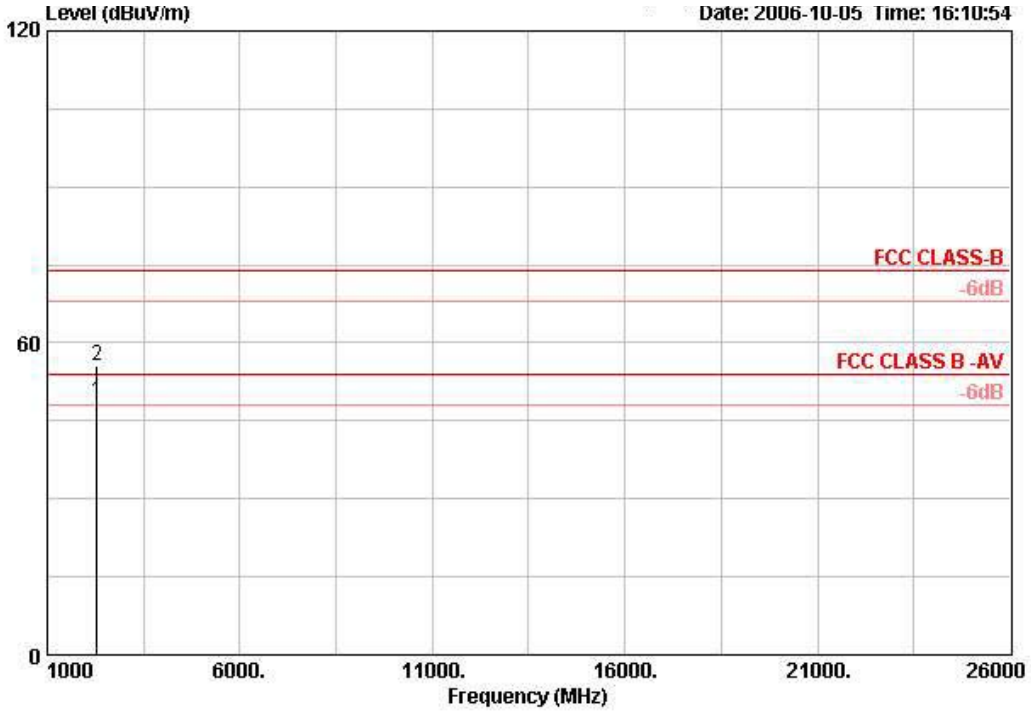
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2347.280	45.18	-8.82	54.00	49.47	2.74	35.08	AVERAGE	106	174	28.06
2	2348.480	47.78	-26.22	74.00	52.06	2.74	35.08	PEAK	106	174	28.06

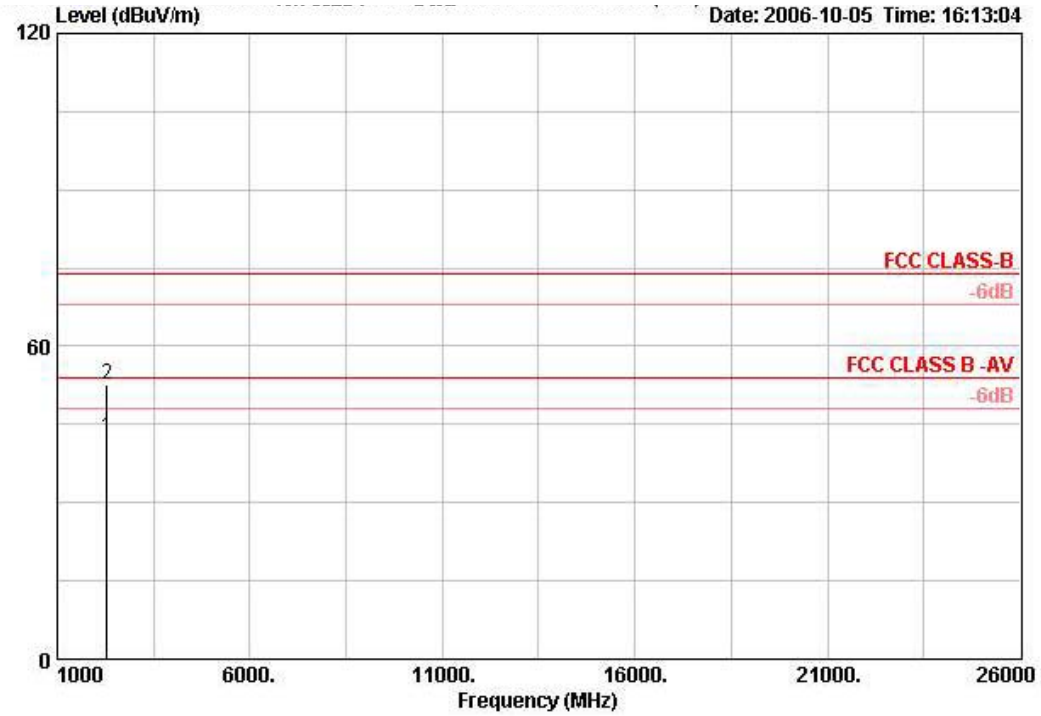
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 6(Lower) Ant. A + Ant. B/ USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.100	48.63	-5.37	54.00	53.07	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.520	55.57	-18.43	74.00	60.01	2.69	35.04	PEAK	100	5	27.91

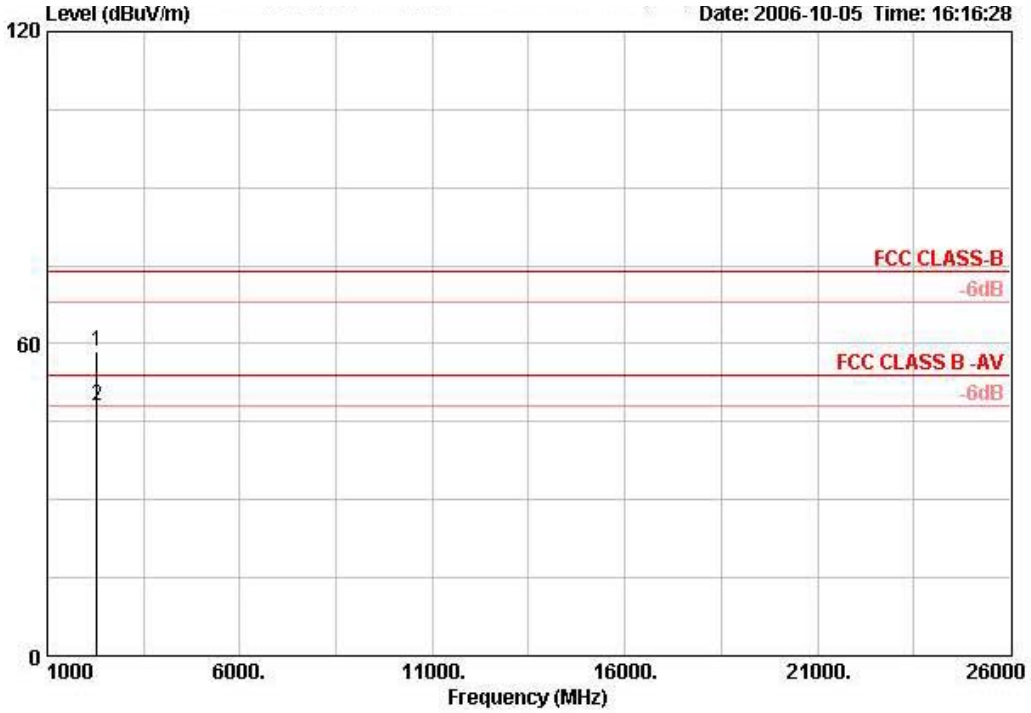
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.020	42.54	-11.46	54.00	46.99	2.69	35.04	AVERAGE	100	166	27.91
2 @	2280.260	52.80	-21.20	74.00	57.25	2.69	35.04	PEAK	100	166	27.91

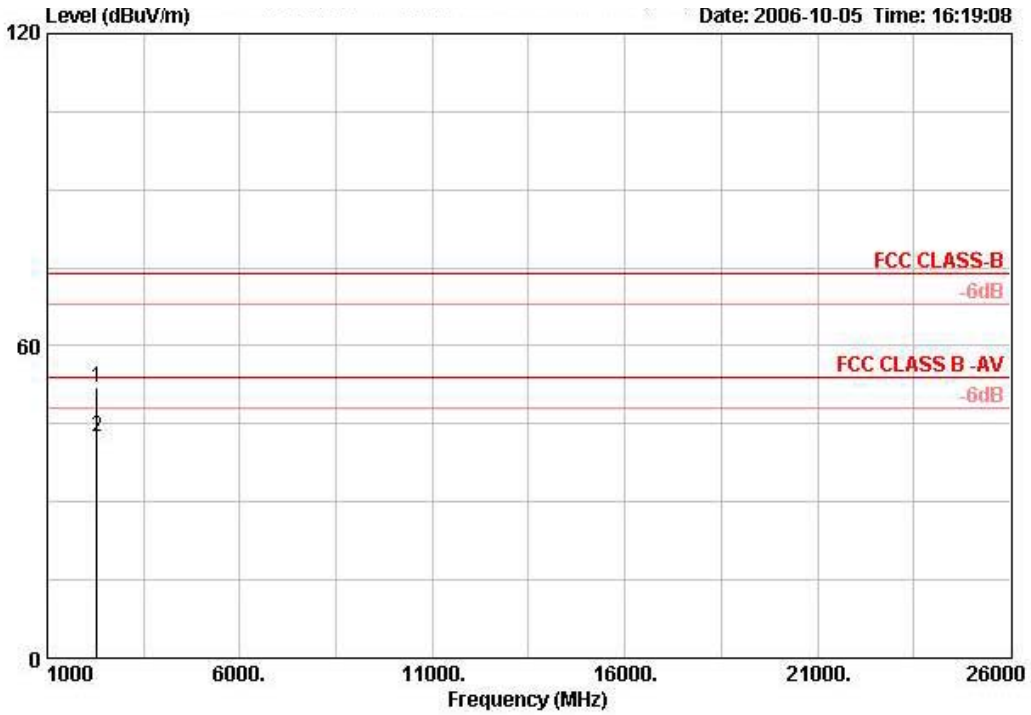
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 6(Upper) Ant. A + Ant. B/ USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.040	58.69	-15.31	74.00	63.13	2.69	35.04	PEAK	100	252	27.91
2 @	2280.070	48.06	-5.94	54.00	52.51	2.69	35.04	AVERAGE	100	252	27.91

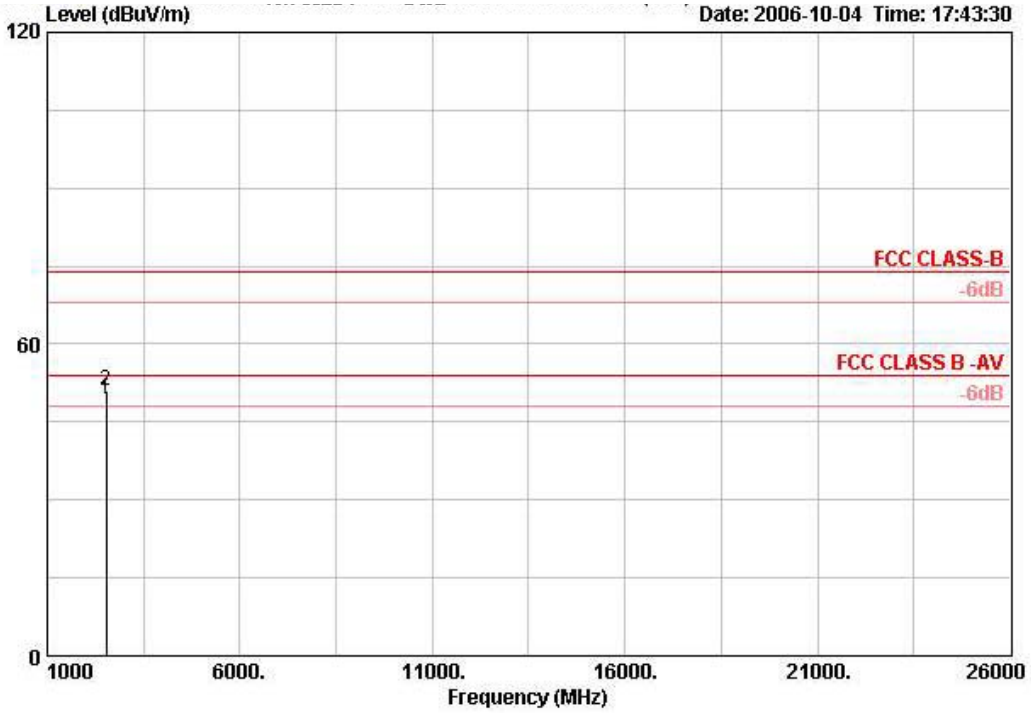
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2279.540	51.87	-22.13	74.00	56.32	2.69	35.04	PEAK	100	160	27.91
2 @	2280.040	42.59	-11.41	54.00	47.03	2.69	35.04	AVERAGE	100	160	27.91

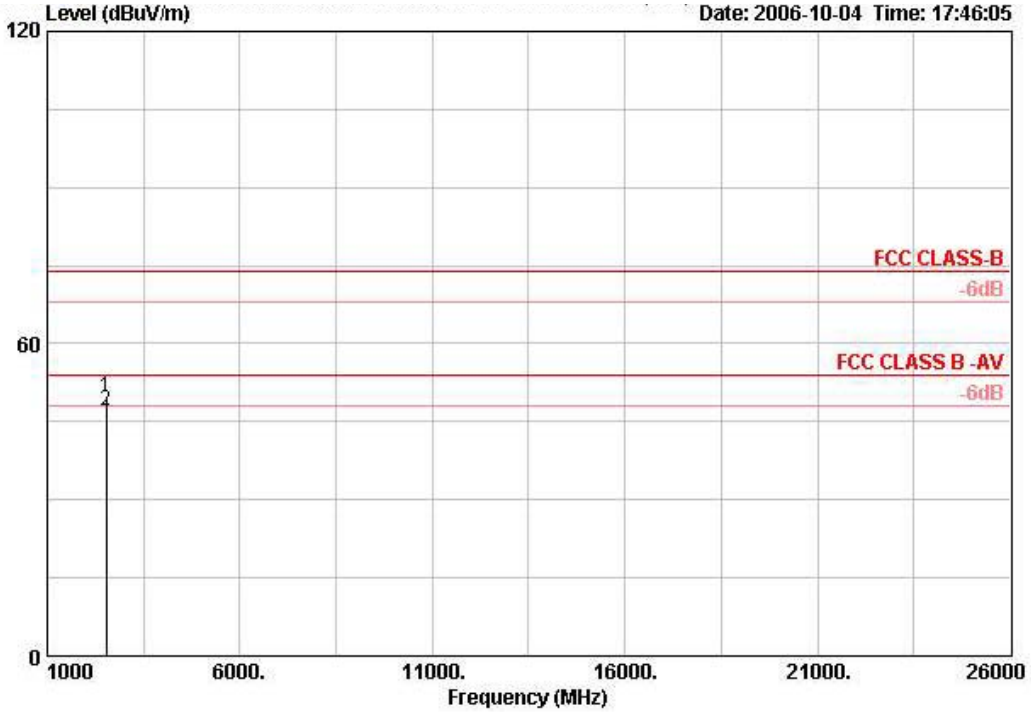
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 9(Lower) Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2527.200	49.27	-4.73	54.00	53.08	2.85	35.17	AVERAGE	133	70	28.51
2 @	2527.200	50.87	-23.13	74.00	54.68	2.85	35.17	PEAK	133	70	28.51

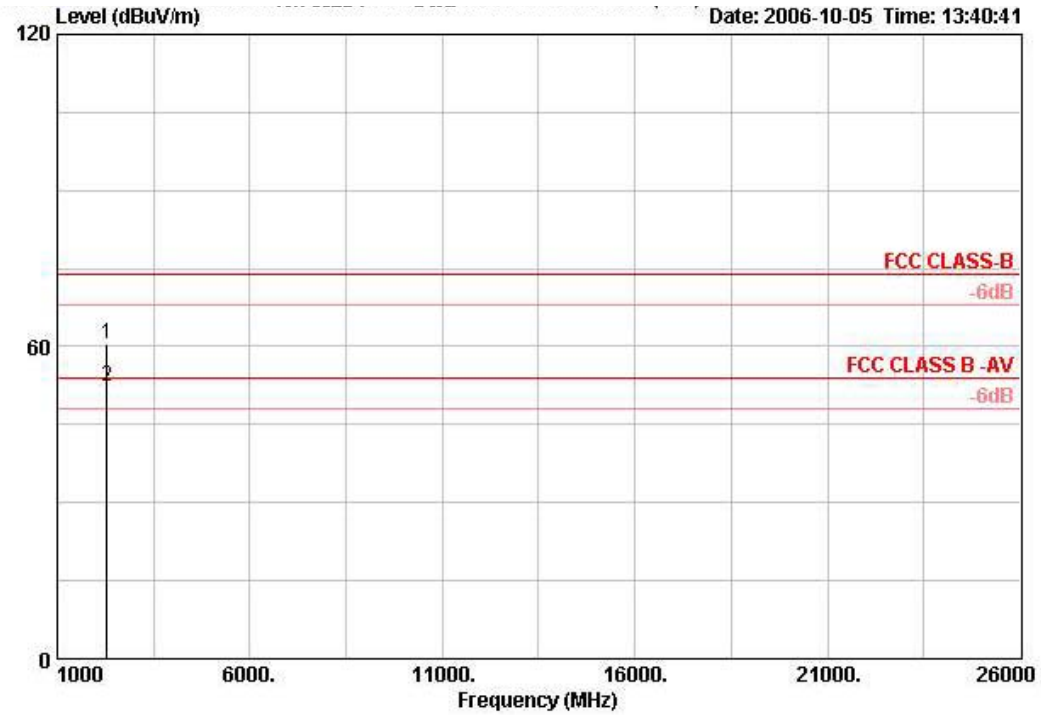
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2526.360	49.79	-24.21	74.00	53.60	2.85	35.17	PEAK	105	170	28.51
2 @	2526.920	47.13	-6.87	54.00	50.94	2.85	35.17	AVERAGE	105	170	28.51

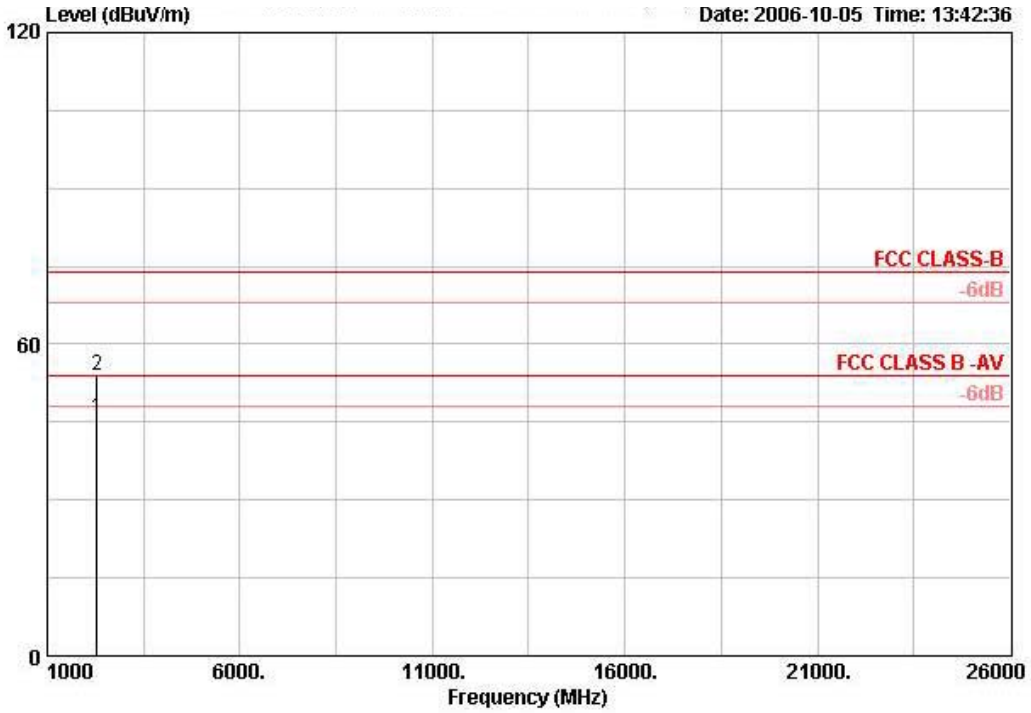
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 1 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.030	60.56	-13.44	74.00	65.00	2.69	35.04	PEAK	144	7	27.91
2 @	2280.050	52.17	-1.83	54.00	56.61	2.69	35.04	AVERAGE	144	7	27.91

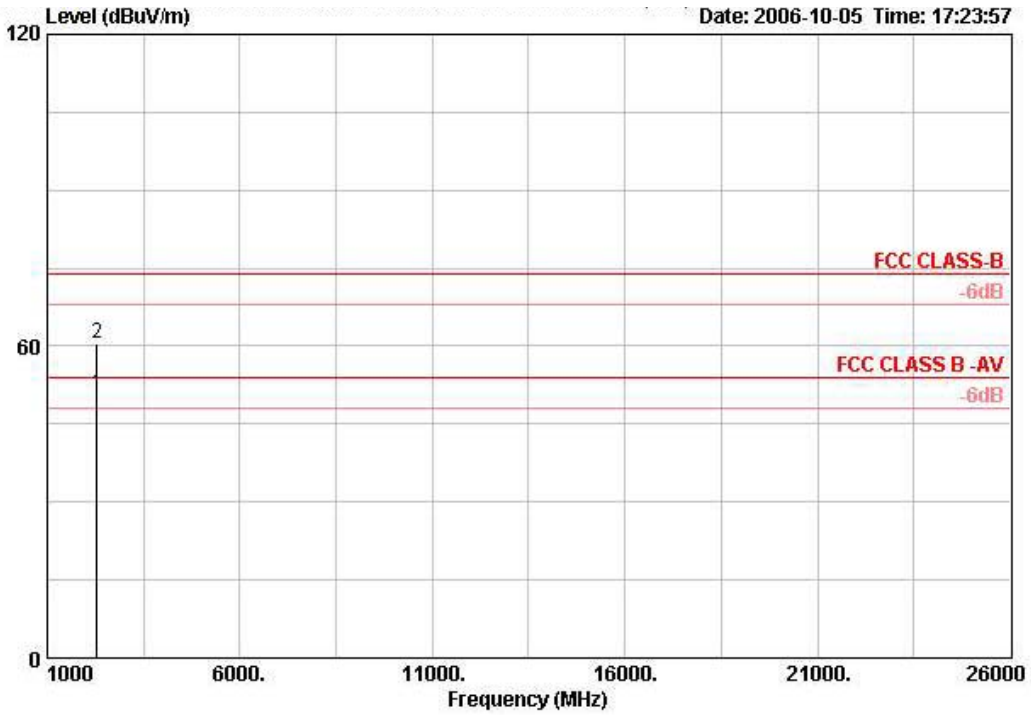
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.050	45.68	-8.32	54.00	50.12	2.69	35.04	AVERAGE	100	168	27.91
2 @	2280.100	54.03	-19.97	74.00	58.47	2.69	35.04	PEAK	100	168	27.91

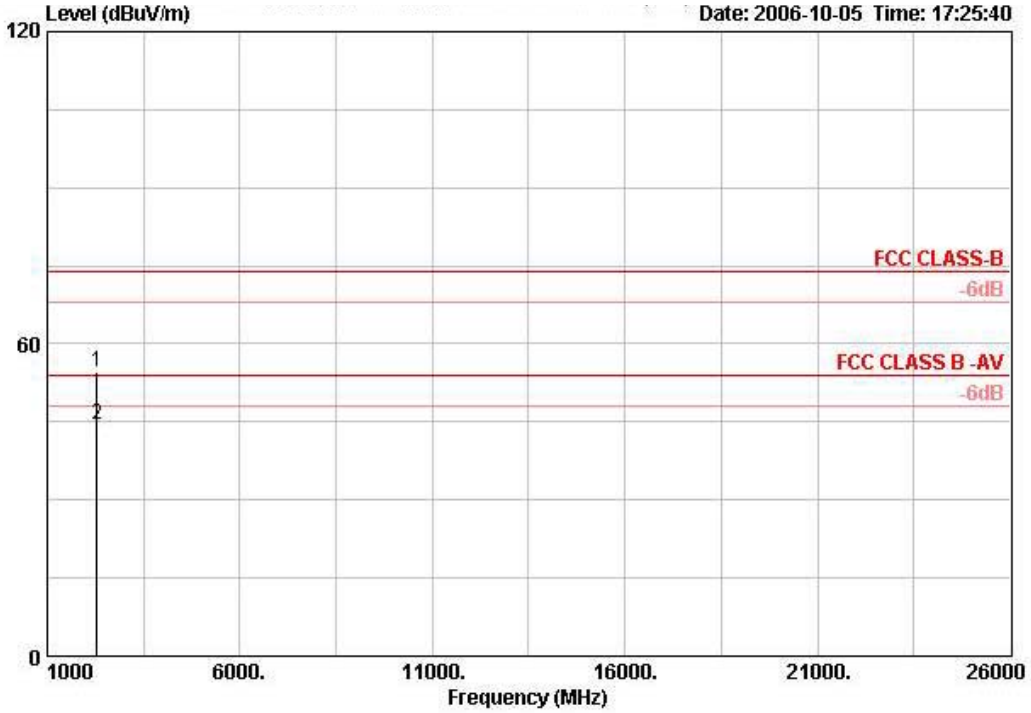
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 6 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.040	50.76	-3.24	54.00	55.21	2.69	35.04	AVERAGE	147	15	27.91
2 @	2280.100	60.34	-13.66	74.00	64.79	2.69	35.04	PEAK	147	15	27.91

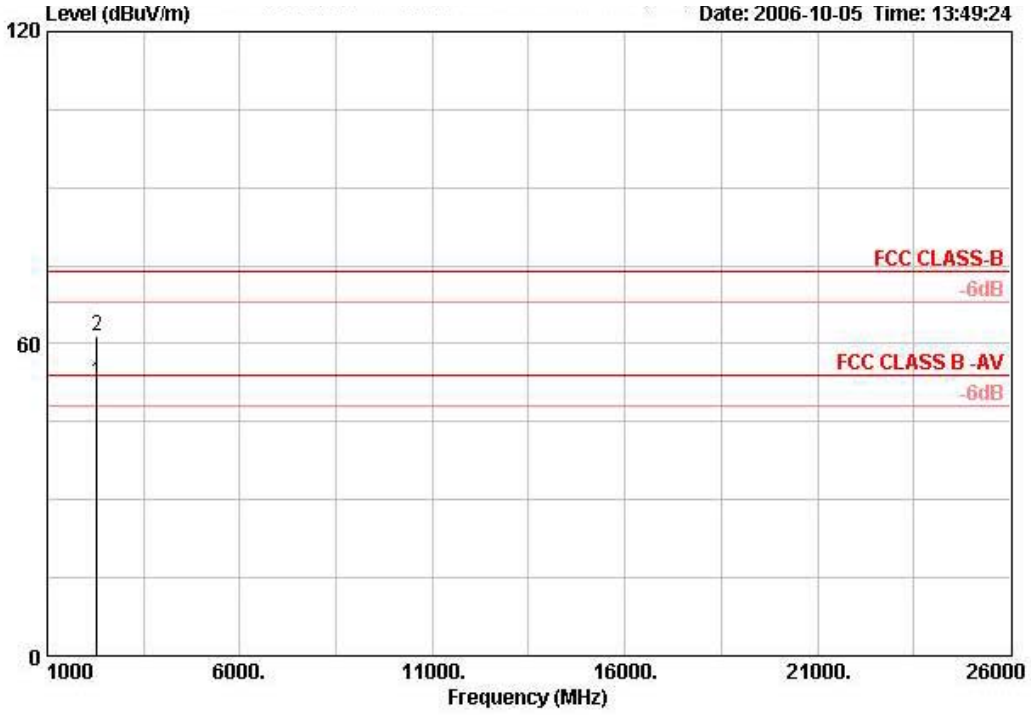
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.020	54.49	-19.51	74.00	58.94	2.69	35.04	PEAK	100	177	27.91
2 @	2280.060	44.62	-9.38	54.00	49.06	2.69	35.04	AVERAGE	100	177	27.91

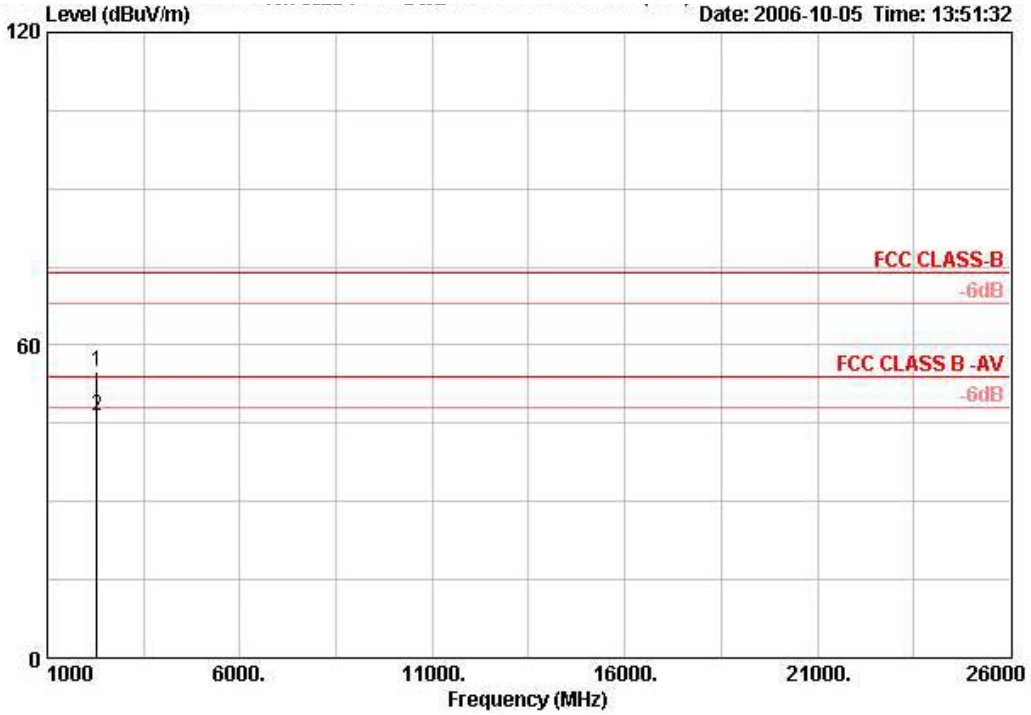
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 11 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.030	52.79	-1.21	54.00	57.24	2.69	35.04	AVERAGE	148	4	27.91
2 @	2280.070	61.61	-12.39	74.00	66.05	2.69	35.04	PEAK	148	4	27.91

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.000	54.95	-19.05	74.00	59.40	2.69	35.04	PEAK	100	167	27.91
2 @	2280.030	46.42	-7.58	54.00	50.87	2.69	35.04	AVERAGE	100	167	27.91