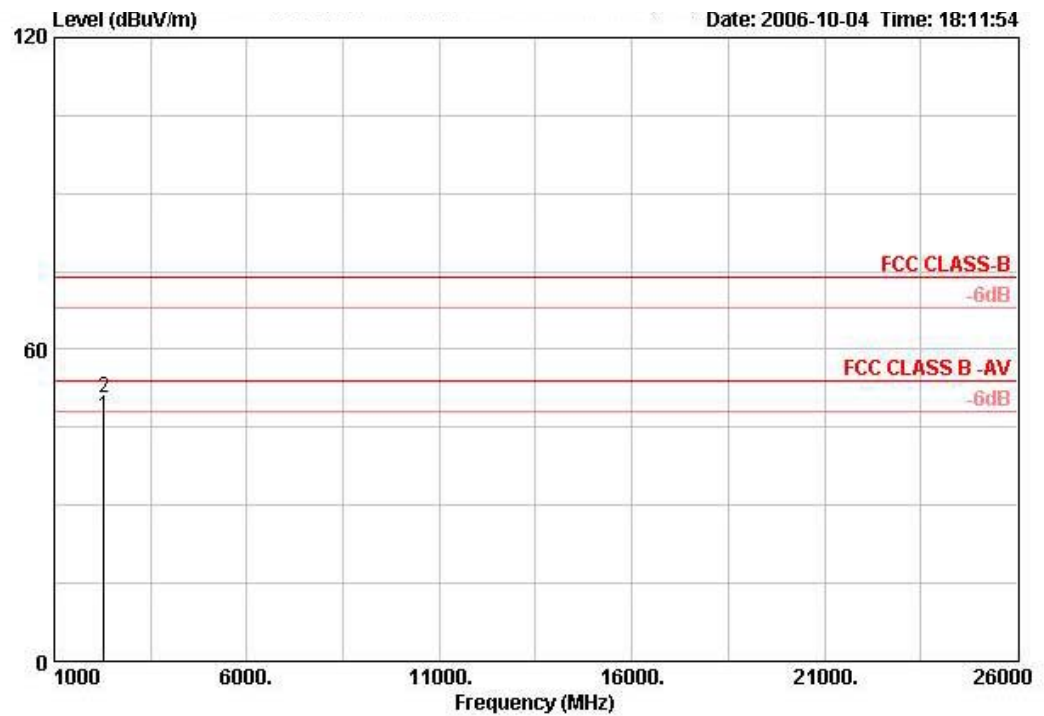


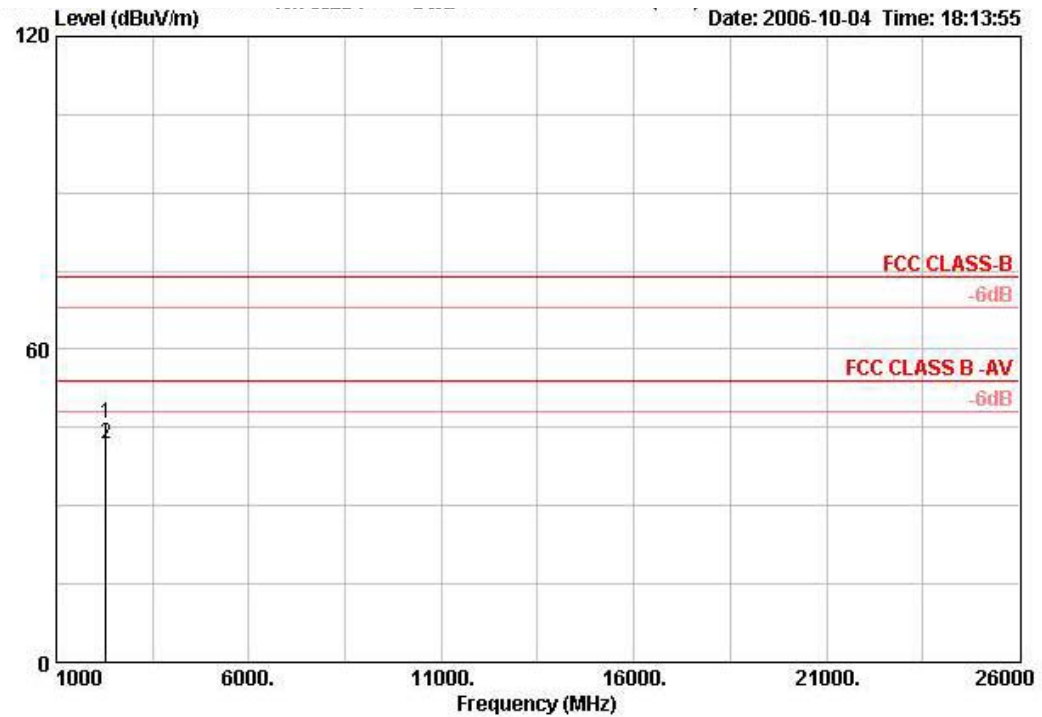
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 1 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.980	47.21	-6.79	54.00	51.65	2.69	35.04	AVERAGE	100	213	27.91
2	2280.000	50.69	-23.31	74.00	55.14	2.69	35.04	PEAK	100	213	27.91

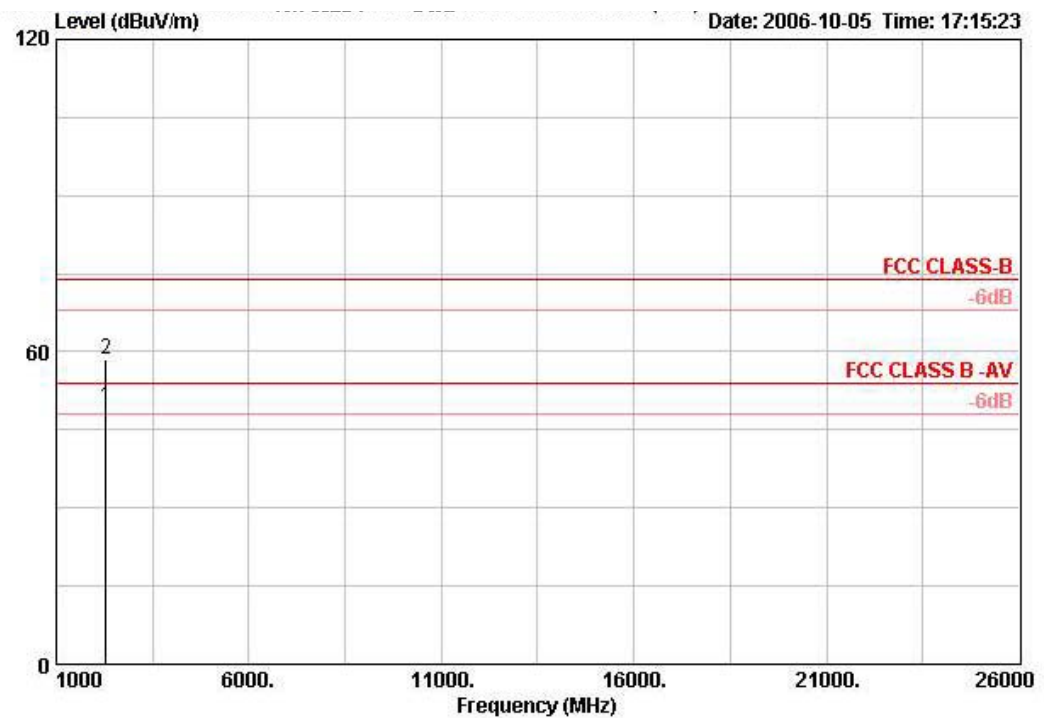
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	TableAntenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.840	45.87	-28.13	74.00	50.32	2.69	35.04	PEAK	100	189	27.91
2	2280.060	41.89	-12.11	54.00	46.33	2.69	35.04	AVERAGE	100	189	27.91

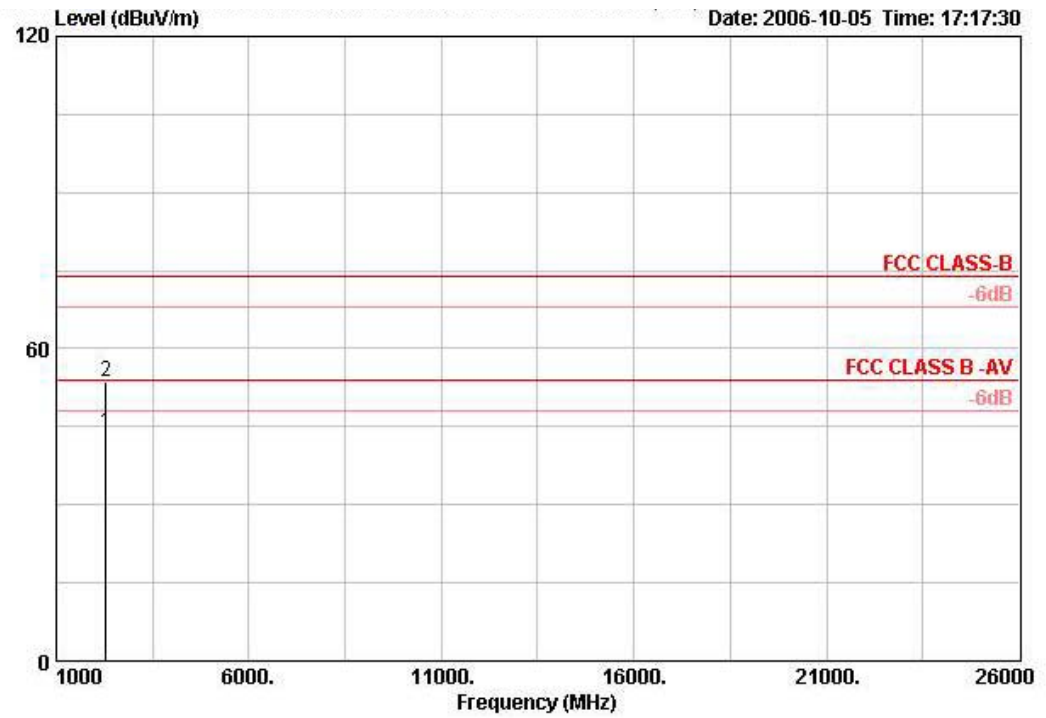
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 6 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.060	49.24	-4.76	54.00	53.68	2.69	35.04	AVERAGE	100	260	27.91
2	2280.080	58.65	-15.35	74.00	63.10	2.69	35.04	PEAK	100	260	27.91

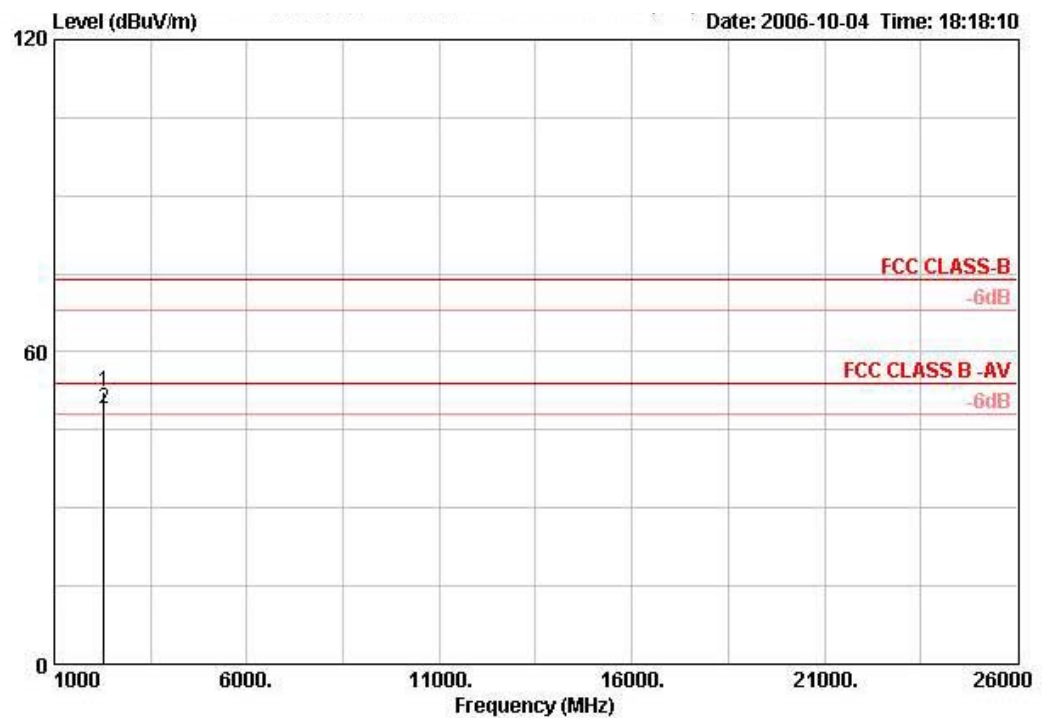
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	43.65	-10.35	54.00	48.10	2.69	35.04	AVERAGE	100	173	27.91
2	2280.080	53.53	-20.47	74.00	57.98	2.69	35.04	PEAK	100	173	27.91

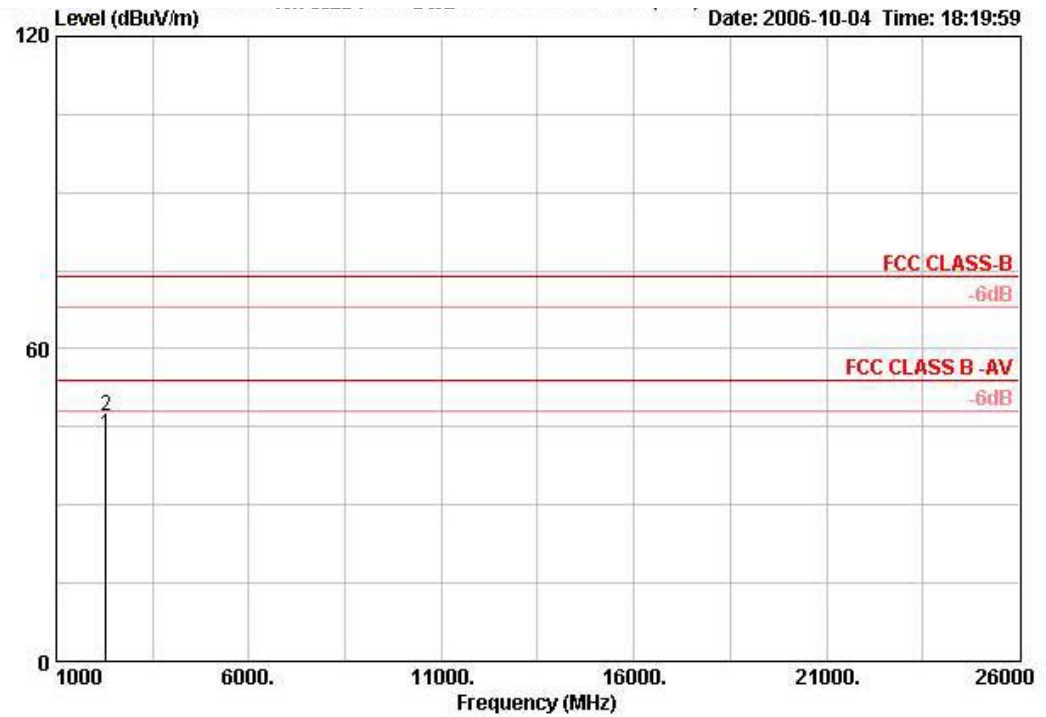
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 11 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	TableAntenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.820	52.25	-21.75	74.00	56.69	2.69	35.04	PERK	100	213	27.91
2	2280.020	48.95	-5.05	54.00	53.39	2.69	35.04	AVERAGE	100	213	27.91

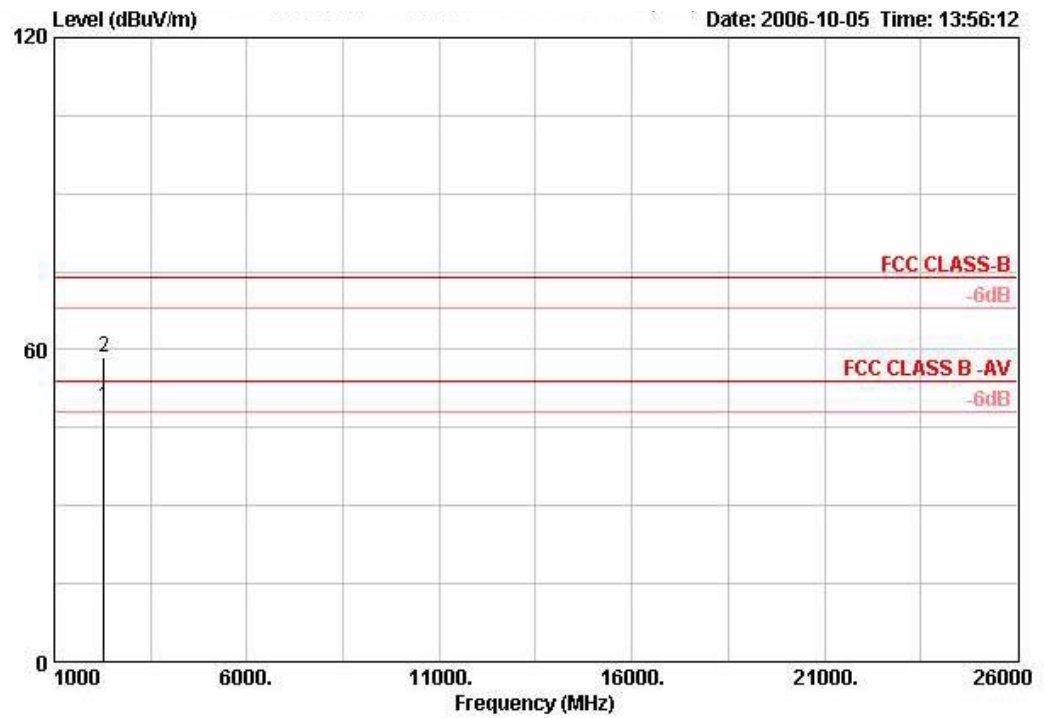
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.080	43.51	-10.49	54.00	47.95	2.69	35.04	AVERAGE	100	154	27.91
2	2280.100	47.10	-26.90	74.00	51.55	2.69	35.04	PERK	100	154	27.91

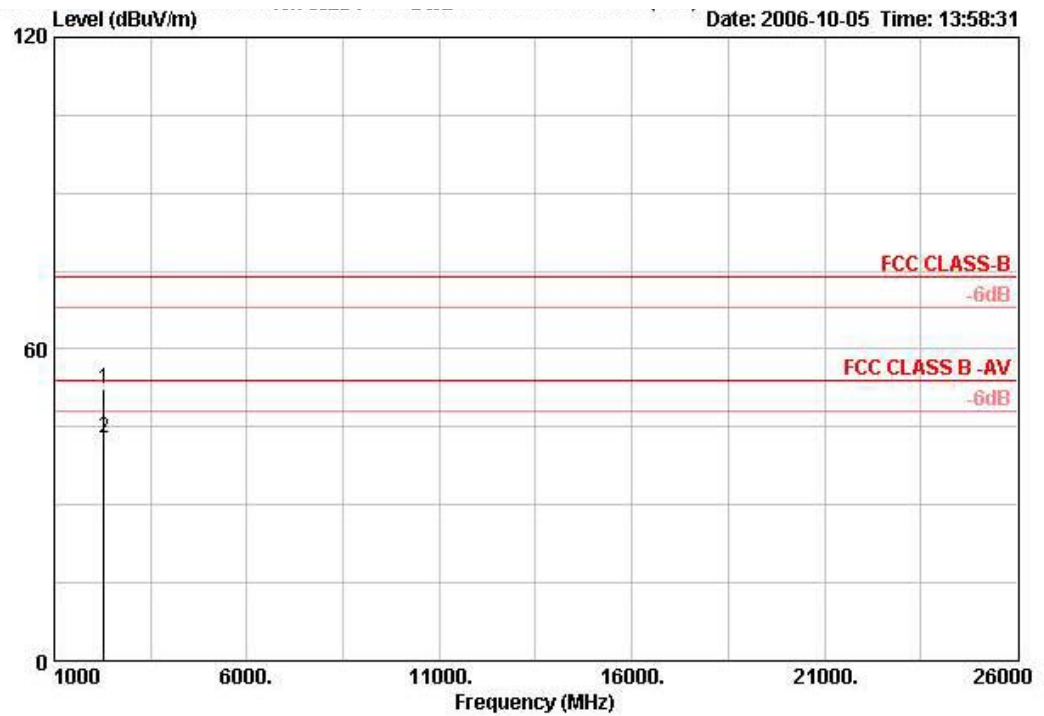
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 3 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.090	49.16	-4.84	54.00	53.60	2.69	35.04	AVERAGE	100	253	27.91
2	2280.170	58.60	-15.40	74.00	63.05	2.69	35.04	PEAK	100	253	27.91

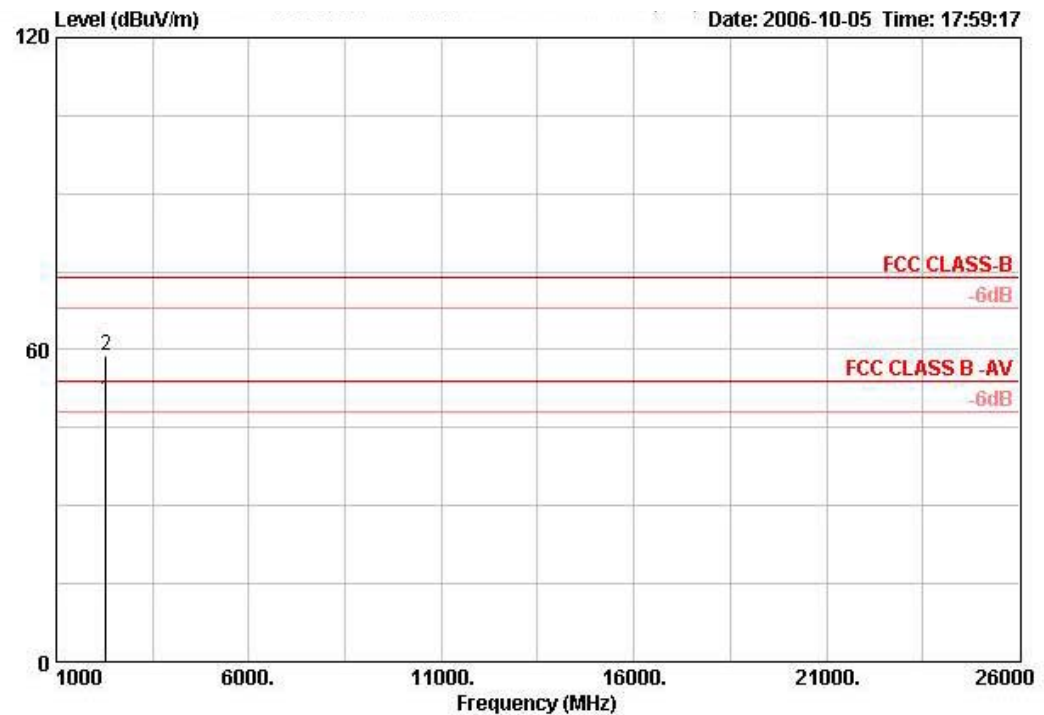
Horizontal



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	TableAntenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg dB/m
1	2279.710	52.29	-21.71	74.00	56.74	2.69	35.04	PEAK	100	166 27.91
2	2280.030	42.86	-11.14	54.00	47.30	2.69	35.04	AVERAGE	100	166 27.91

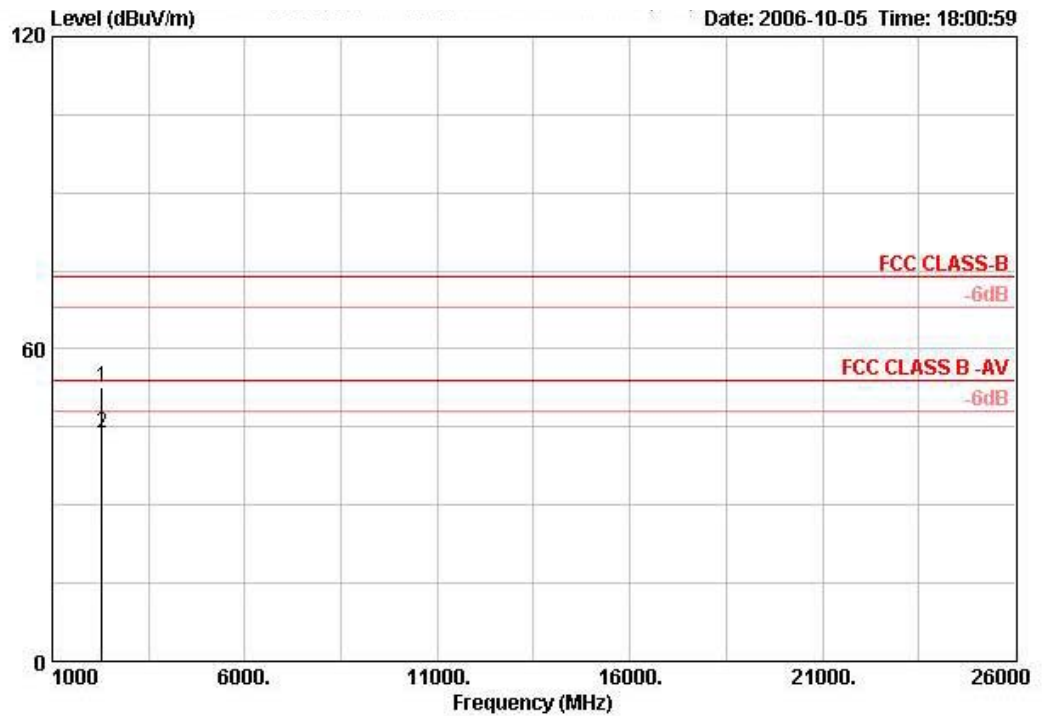
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 6 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	50.37	-3.63	54.00	54.82	2.69	35.04	AVERAGE	145	17	27.91
2	2280.160	59.00	-15.00	74.00	63.45	2.69	35.04	PEAK	145	17	27.91

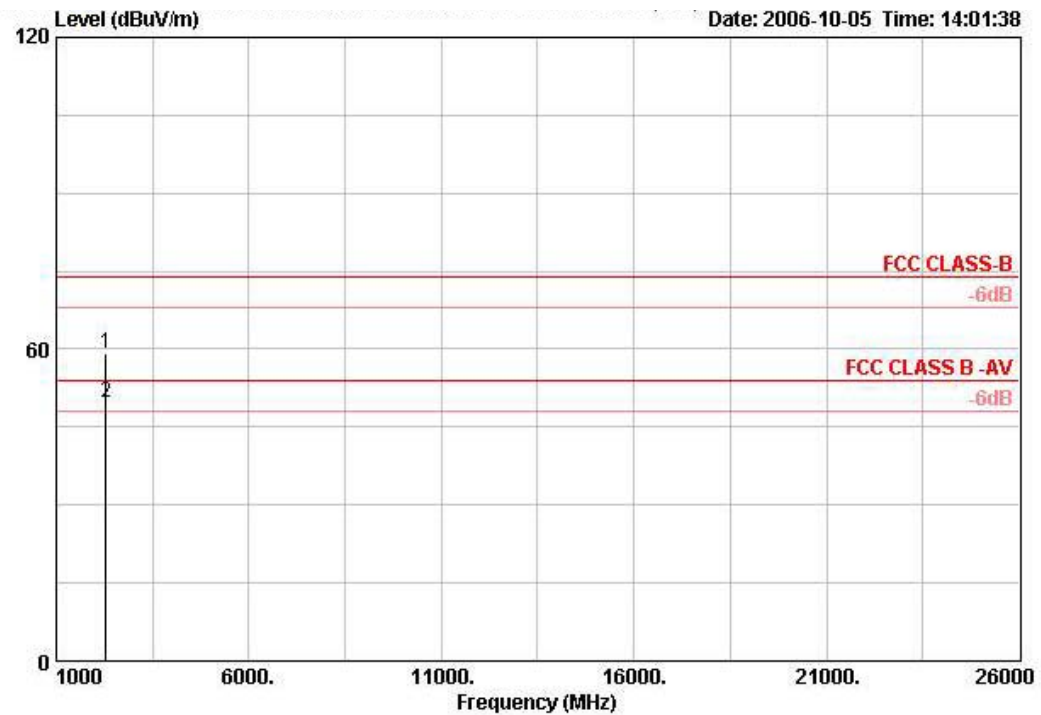
Horizontal



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
			dB	dBUV/m	dBUV	dB	dB		cm	deg	dB/m
1	2279.700	52.65	-21.35	74.00	57.09	2.69	35.04	PEAK	100	176	27.91
2	2280.040	43.84	-10.16	54.00	48.28	2.69	35.04	AVERAGE	100	176	27.91

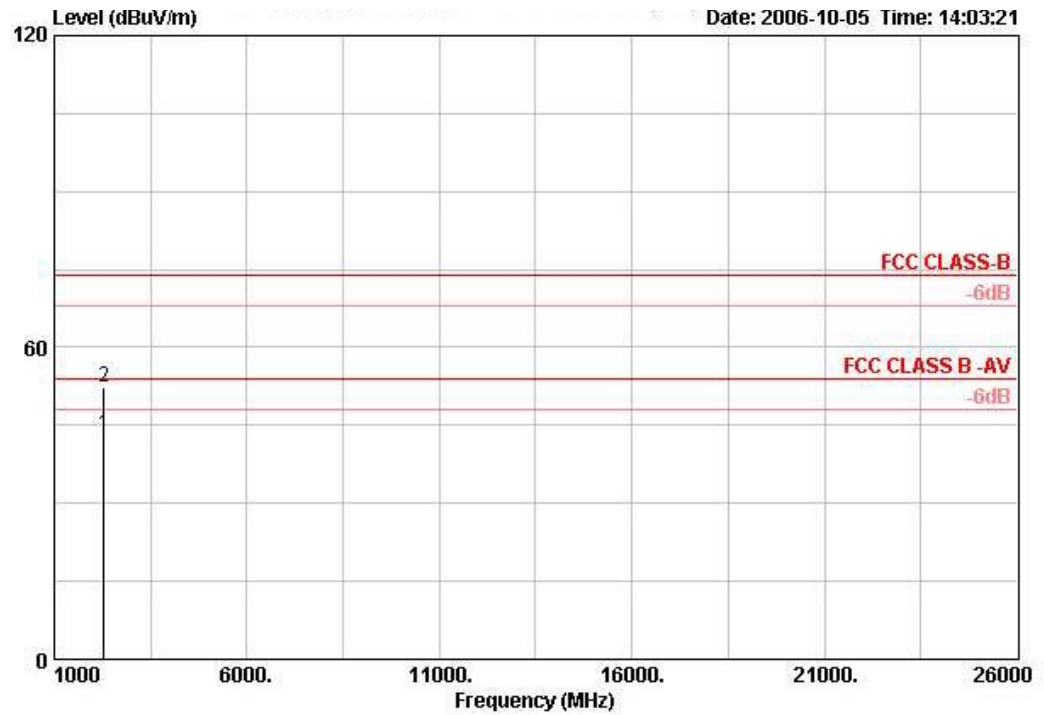
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 9 Ant. A / USB Cable 2

Vertical



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.890	59.32	-14.68	74.00	63.76	2.69	35.04	PEAK	100	252	27.91
2	2280.070	49.61	-4.39	54.00	54.06	2.69	35.04	AVERAGE	100	252	27.91

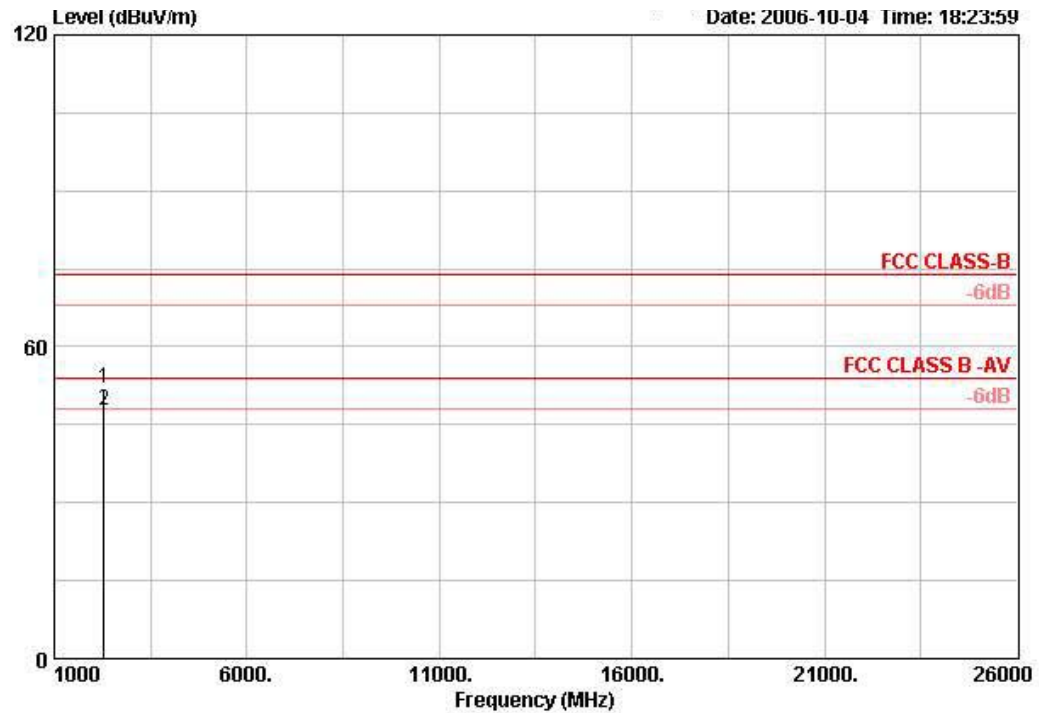
Horizontal



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
			dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2279.990	43.31	-10.69	54.00	47.76	2.69	35.04	AVERAGE	100	168	27.91
2	2280.040	52.48	-21.52	74.00	56.92	2.69	35.04	PEAK	100	168	27.91

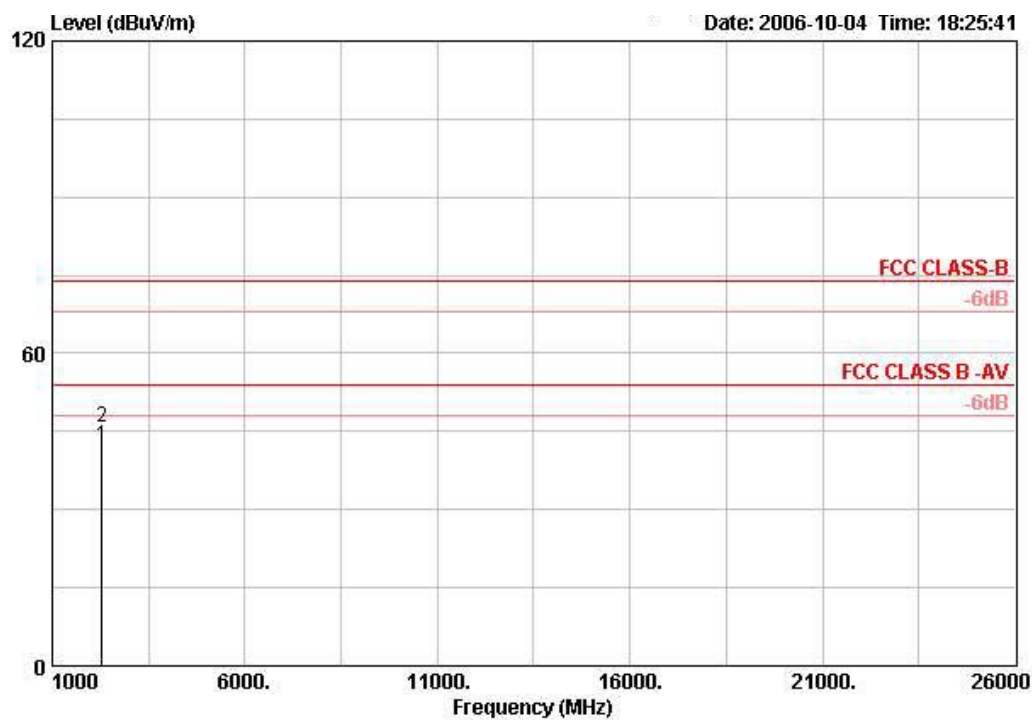
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 3 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	52.08	-21.92	74.00	56.52	2.69	35.04	PEAK	100	212	27.91
2	2280.040	47.63	-6.37	54.00	52.07	2.69	35.04	AVERAGE	100	212	27.91

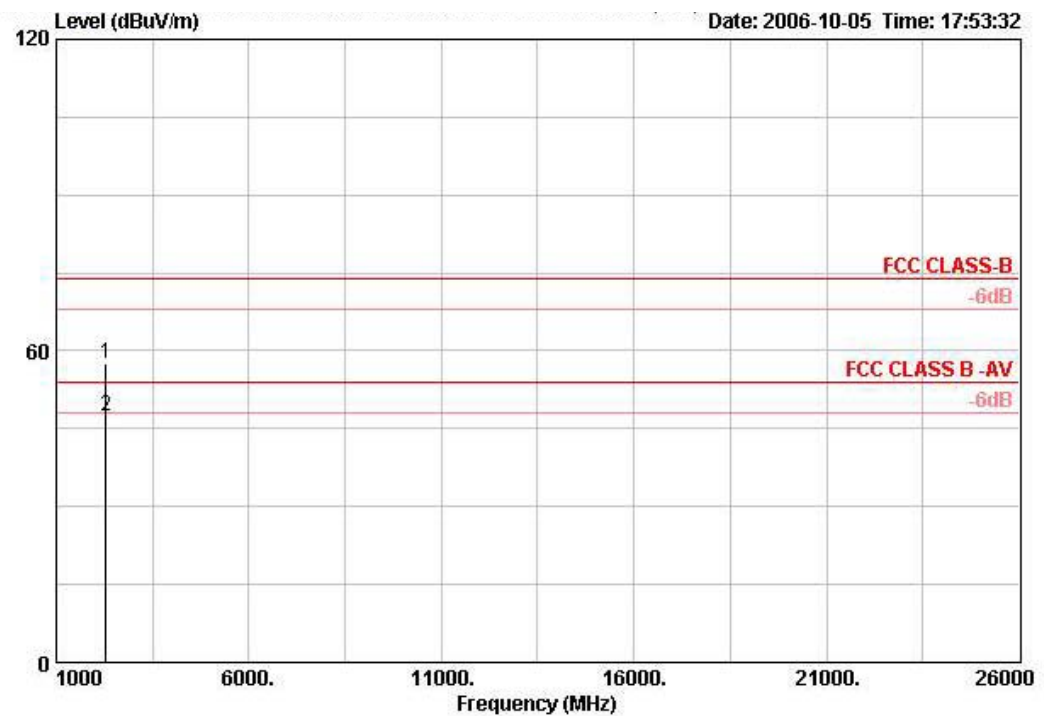
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	42.21	-11.79	54.00	46.65	2.69	35.04	AVERAGE	100	154	27.91
2	2280.060	45.86	-28.14	74.00	50.31	2.69	35.04	PEAK	100	154	27.91

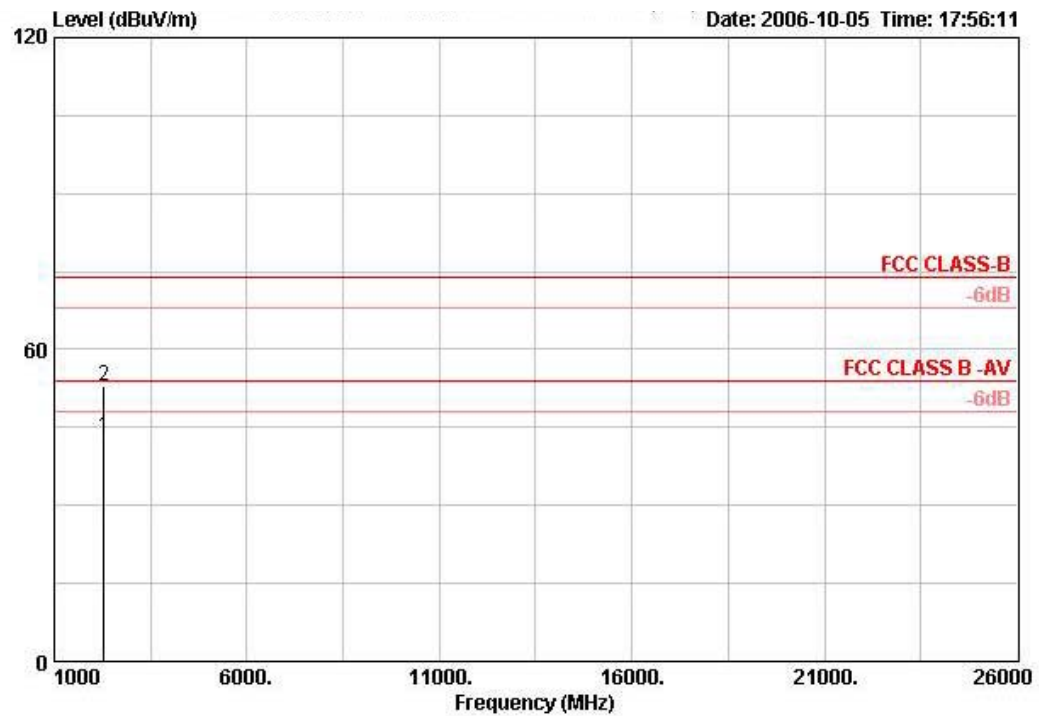
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 6 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	57.46	-16.54	74.00	61.91	2.69	35.04	PEAK	100	264	27.91
2	2280.040	47.52	-6.48	54.00	51.96	2.69	35.04	AVERAGE	100	264	27.91

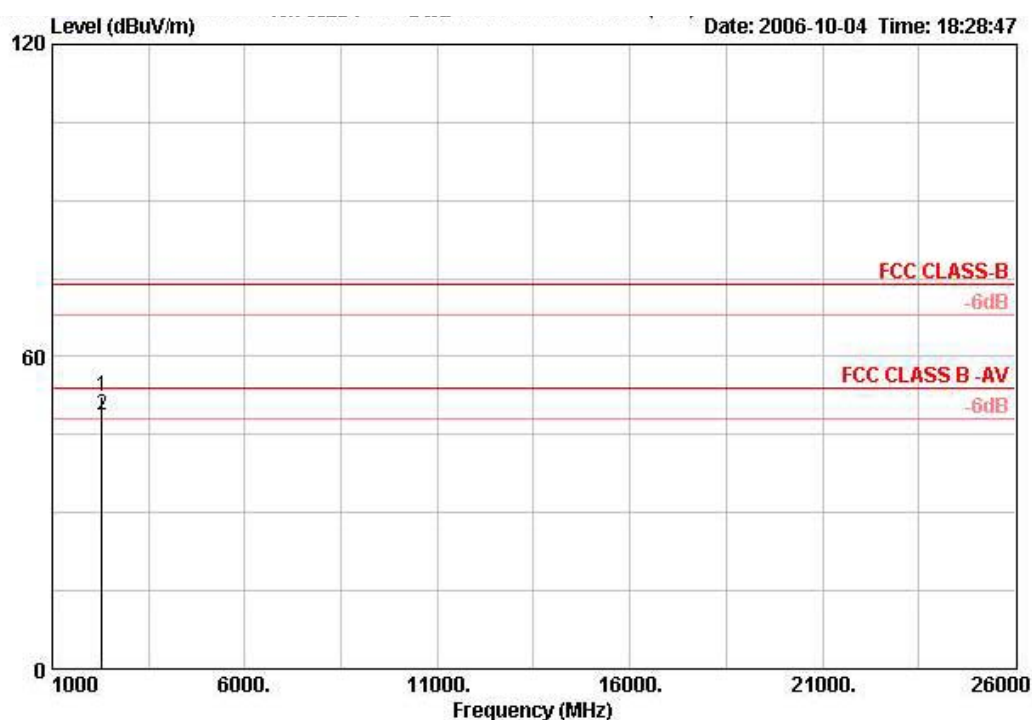
Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB	dB		cm	deg	dB/m
1	2280.060	43.17	-10.83	54.00	47.62	2.69	35.04	AVERAGE	100	176	27.91
2	2280.140	52.95	-21.05	74.00	57.39	2.69	35.04	PEAK	100	176	27.91

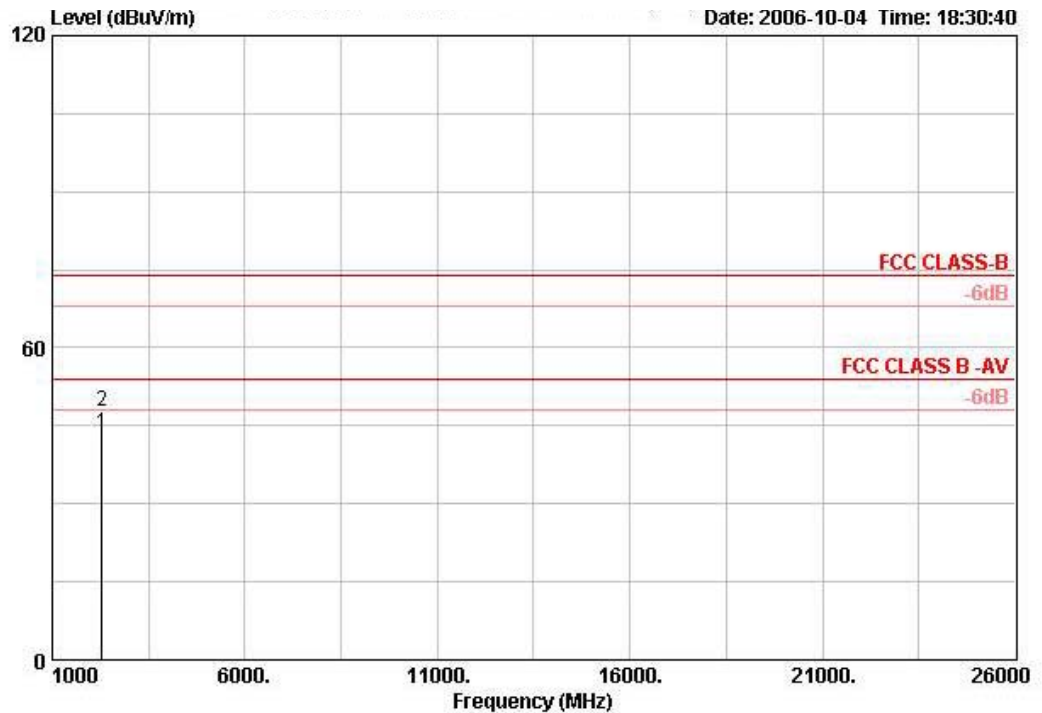
Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 9 Ant. A + Ant. B / USB Cable 2

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	52.29	-21.71	74.00	56.73	2.69	35.04	PEAK	100	213	27.91
2	2280.080	48.65	-5.35	54.00	53.10	2.69	35.04	AVERAGE	100	213	27.91

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2280.020	43.36	-10.64	54.00	47.81	2.69	35.04	AVERAGE	100	157	27.91
2	2280.320	47.63	-26.37	74.00	52.07	2.69	35.04	PEAK	100	157	27.91

Note:

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

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

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

4.6. Band Edge Emissions Measurement

4.6.1. Limit

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

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

4.6.2. Measuring Instruments and Setting

Please refer to section 5 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.

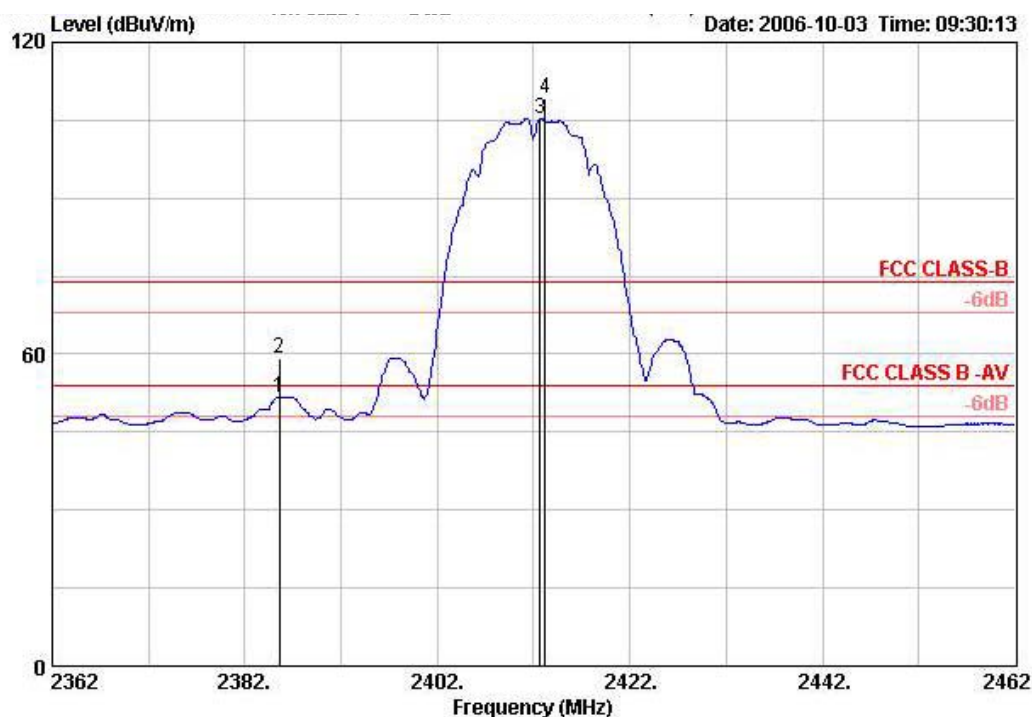
4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 1, 11 Ant. A / USB Cable 2

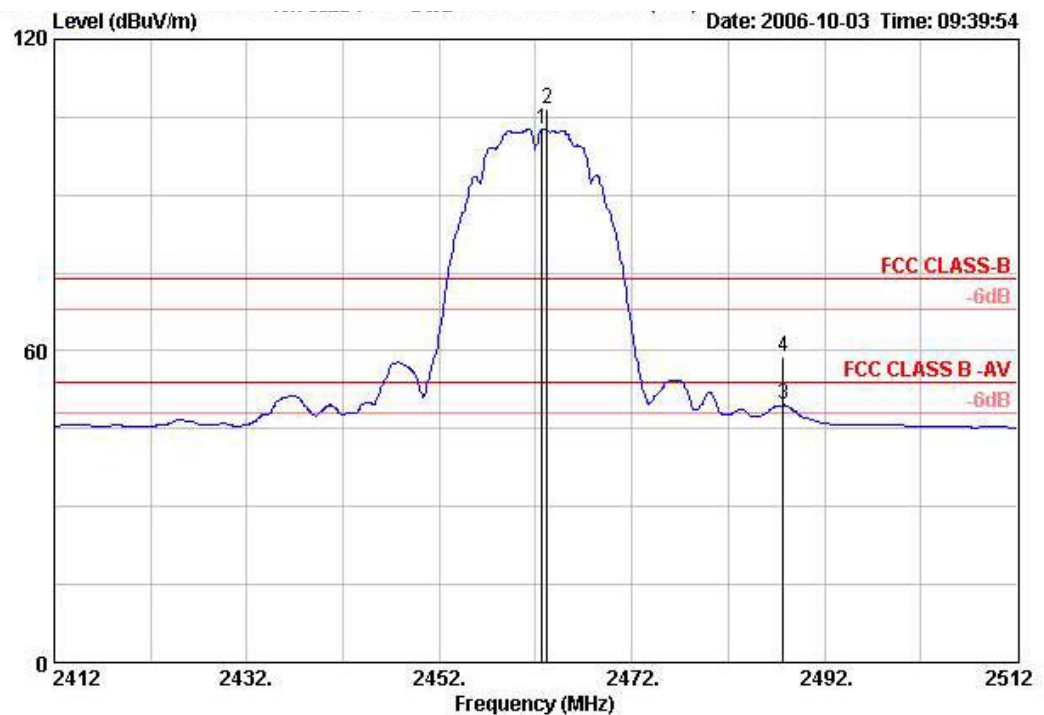
Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB		cm	deg	dB/m
1	2385.600	51.79	-2.21	54.00	20.85	2.76	0.00	AVERAGE	167	47	28.17
2	2385.600	59.19	-14.81	74.00	28.26	2.76	0.00	PEAK	167	47	28.17
3	2412.700	105.42			74.42	2.79	0.00	Average	---	---	28.21
4	2413.200	109.14			78.14	2.79	0.00	PEAK	167	47	28.21

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

Channel 11

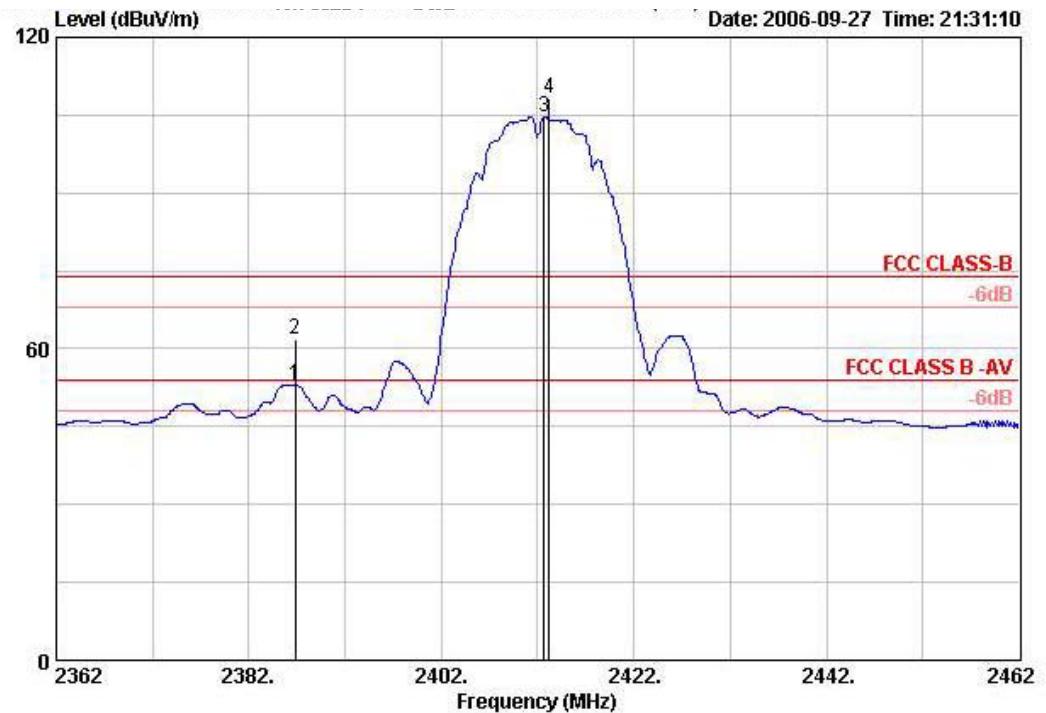


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	TableAntenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2462.700	102.81			71.67	2.81	0.00	Average	---	---	28.32
2 @	2463.200	106.64			75.50	2.81	0.00	PEAK	156	48	28.32
3 @	2487.700	49.54	-4.46	54.00	18.30	2.84	0.00	AVERAGE	156	48	28.40
4 @	2487.700	58.73	-15.27	74.00	27.49	2.84	0.00	PEAK	156	48	28.40

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

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 1, 11 Ant. A + Ant. B / USB Cable 2

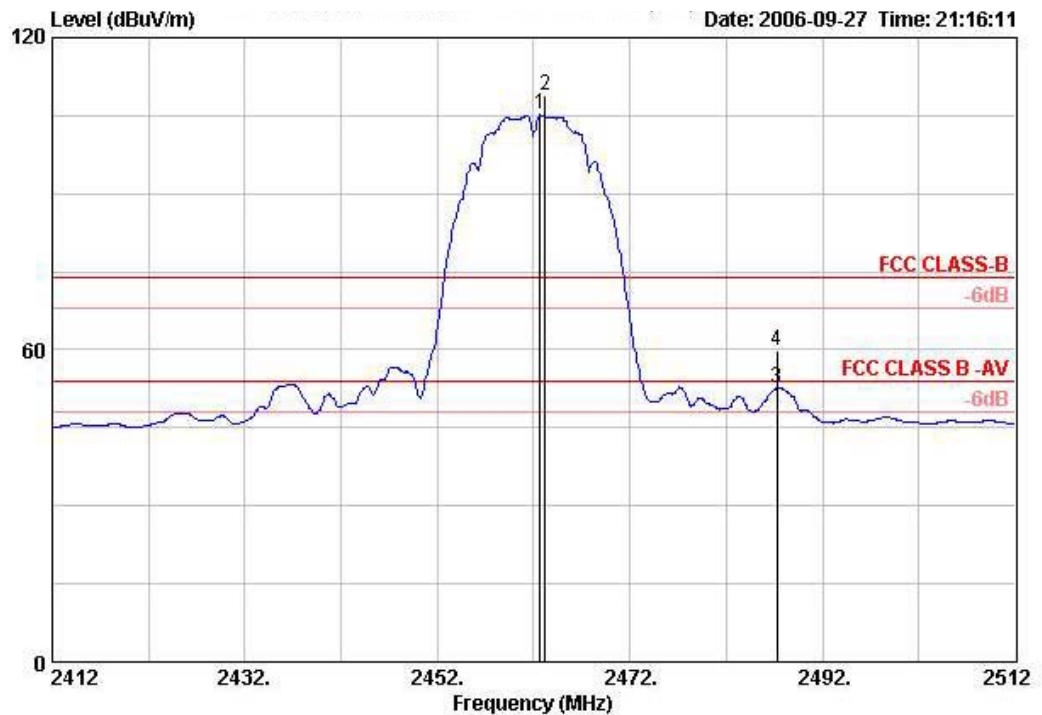
Channel 1



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
			dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2386.800	52.97	-1.03	54.00	22.03	2.76	0.00	AVERAGE	103	51	28.17
2	2386.800	61.91	-12.09	74.00	30.97	2.76	0.00	PEAK	103	51	28.17
3	2412.700	104.63			73.63	2.79	0.00	Average	---	---	28.21
4	2413.200	108.39			77.39	2.79	0.00	PEAK	103	51	28.21

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

Channel 11

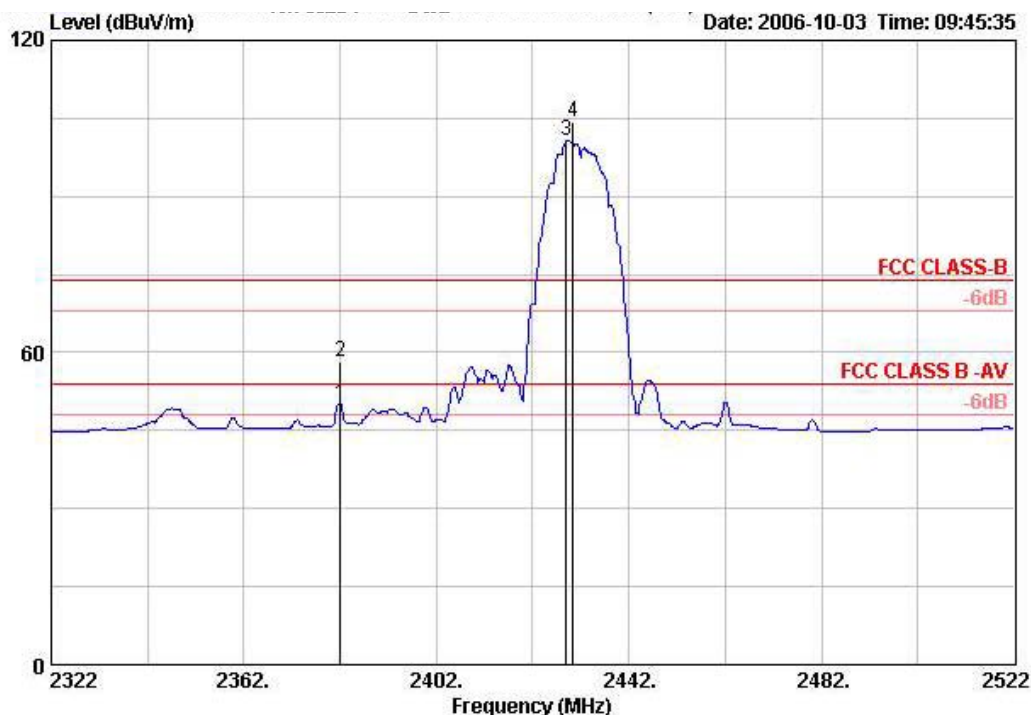


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2462.700	105.14			74.00	2.81	0.00	Average	---	---	28.32
2	2463.200	108.90			77.76	2.81	0.00	PEAK	166	285	28.32
3	2487.300	52.49	-1.51	54.00	21.29	2.84	0.00	AVERAGE	166	285	28.36
4	2487.300	59.99	-14.01	74.00	28.79	2.84	0.00	PEAK	166	285	28.36

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

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 3(Upper), 9(Lower) Ant. A / USB Cable 2

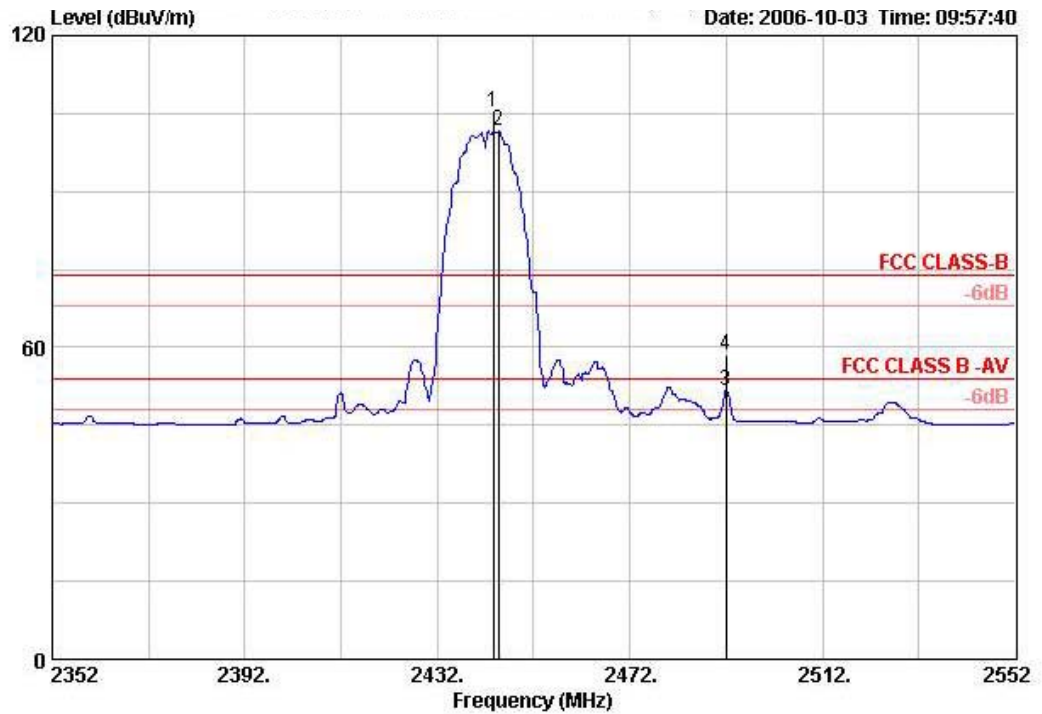
Channel 3



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2382.000	50.17	-3.83	54.00	19.27	2.76	0.00	AVERAGE	168	187	28.13
2	2382.000	58.11	-15.89	74.00	27.21	2.76	0.00	PEAK	168	187	28.13
3	2429.000	100.76			69.72	2.79	0.00	Average	---	---	28.25
4	2430.400	104.16			73.12	2.79	0.00	PEAK	168	187	28.25

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 9

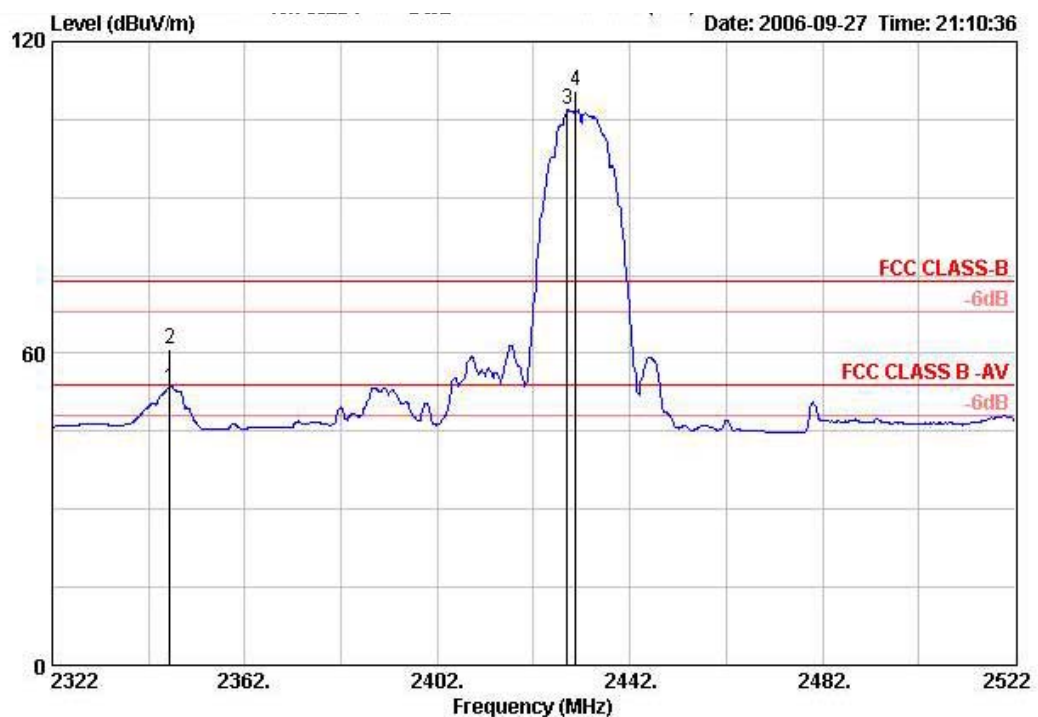


	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	TableAntenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg dB/m
1	2443.600	105.41			74.34	2.79	0.00	PEAK	159	165 28.29
2	2444.600	101.70			70.60	2.81	0.00	Average	---	--- 28.29
3	2491.900	51.52	-2.48	54.00	20.28	2.84	0.00	AVERAGE	159	165 28.40
4	2491.900	58.54	-15.46	74.00	27.30	2.84	0.00	PERK	159	165 28.40

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 3(Upper), 9(Lower) Ant. A + Ant. B / USB Cable 2

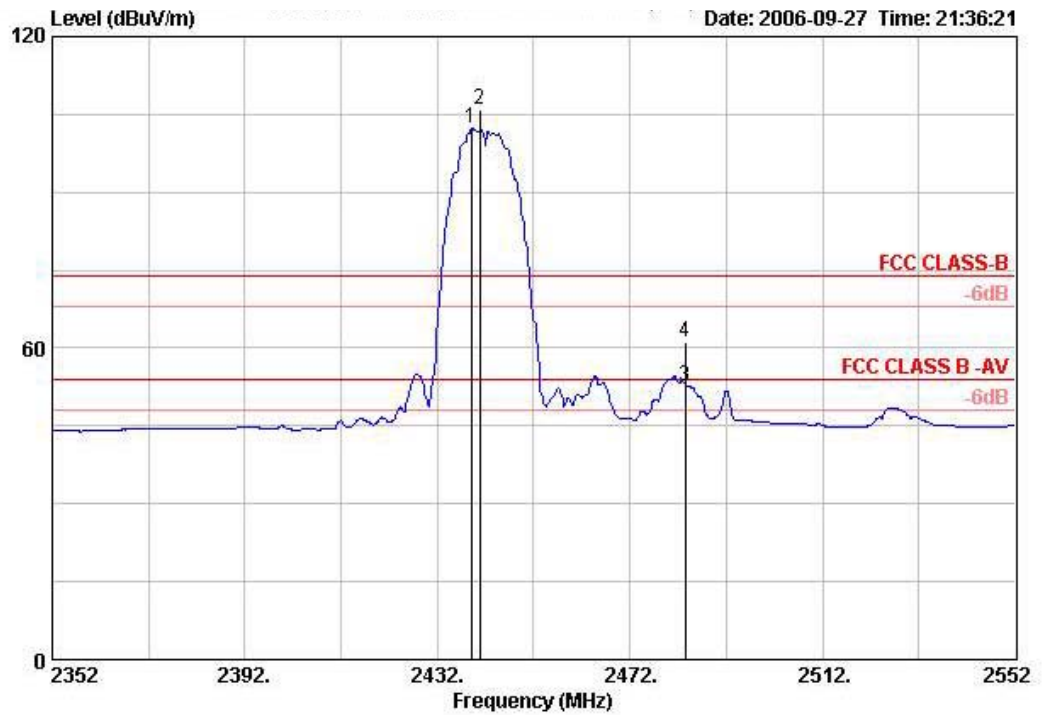
Channel 3



	Freq	Level	Over	Limit	Read	Cable	Preamp	Remark	Ant	Table	Antenna
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor		Pos	Pos	Factor
			dB	dBUV/m	dBuV	dB	dB		cm	deg	dB/m
1	2346.400	53.42	-0.58	54.00	22.63	2.74	0.00	AVERAGE	104	51	28.06
2	2346.400	60.71	-13.29	74.00	29.91	2.74	0.00	PEAK	104	51	28.06
3	2429.000	106.77			75.74	2.79	0.00	Average	---	---	28.25
4	2430.800	110.45			79.42	2.79	0.00	PEAK	104	51	28.25

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 9

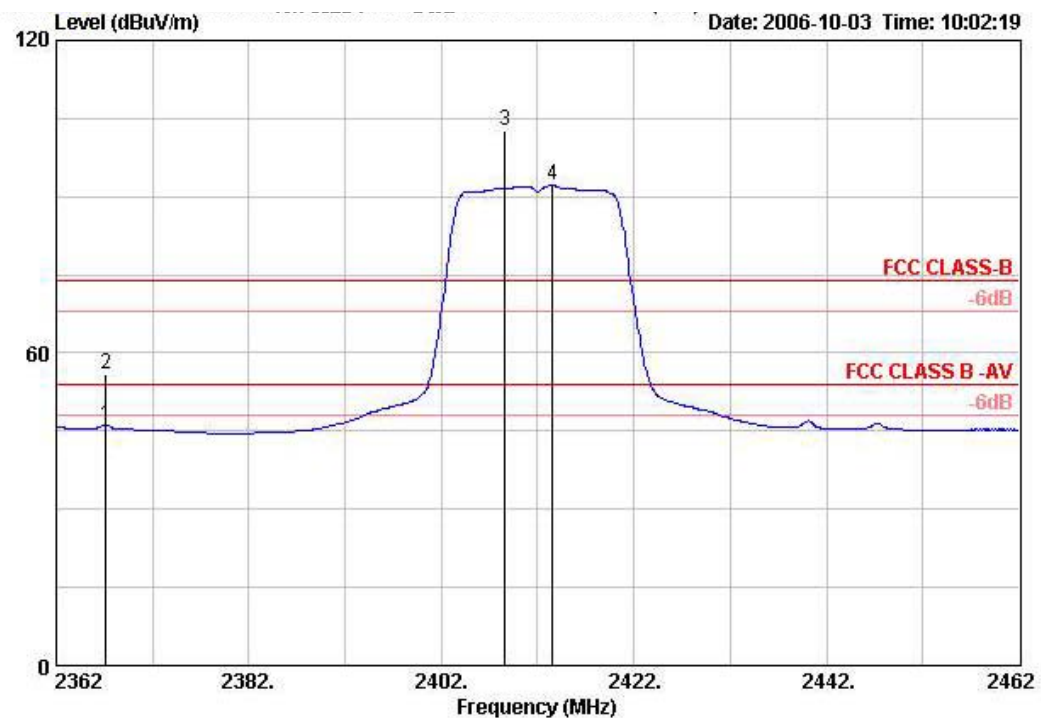


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2439.000	102.26			71.19	2.79	0.00	Average	---	---	28.29
2	2440.800	105.84			74.76	2.79	0.00	PEAK	106	285	28.29
3	2483.500	52.59	-1.41	54.00	21.39	2.84	0.00	AVERAGE	106	285	28.36
4	2483.500	61.05	-12.95	74.00	29.85	2.84	0.00	PEAK	106	285	28.36

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 1, 11 Ant. A / USB Cable 2

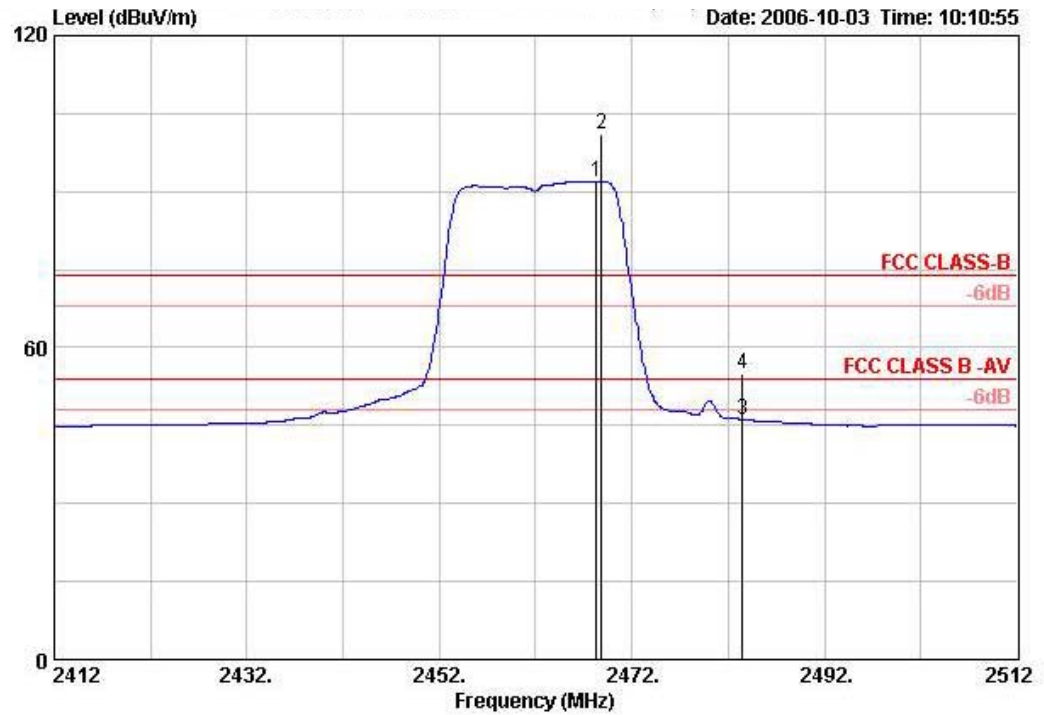
Channel 1



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	TableAntenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg dB/m
1 ☒	2367.200	46.21	-7.79	54.00	15.35	2.76	0.00	AVERAGE	134	47 28.10
2 ☒	2367.200	56.07	-17.93	74.00	25.21	2.76	0.00	PEAK	134	47 28.10
3 ☒	2408.600	102.64			71.64	2.79	0.00	PEAK	134	47 28.21
4 ☒	2413.500	92.28			61.28	2.79	0.00	Average	---	--- 28.21

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

Channel 11

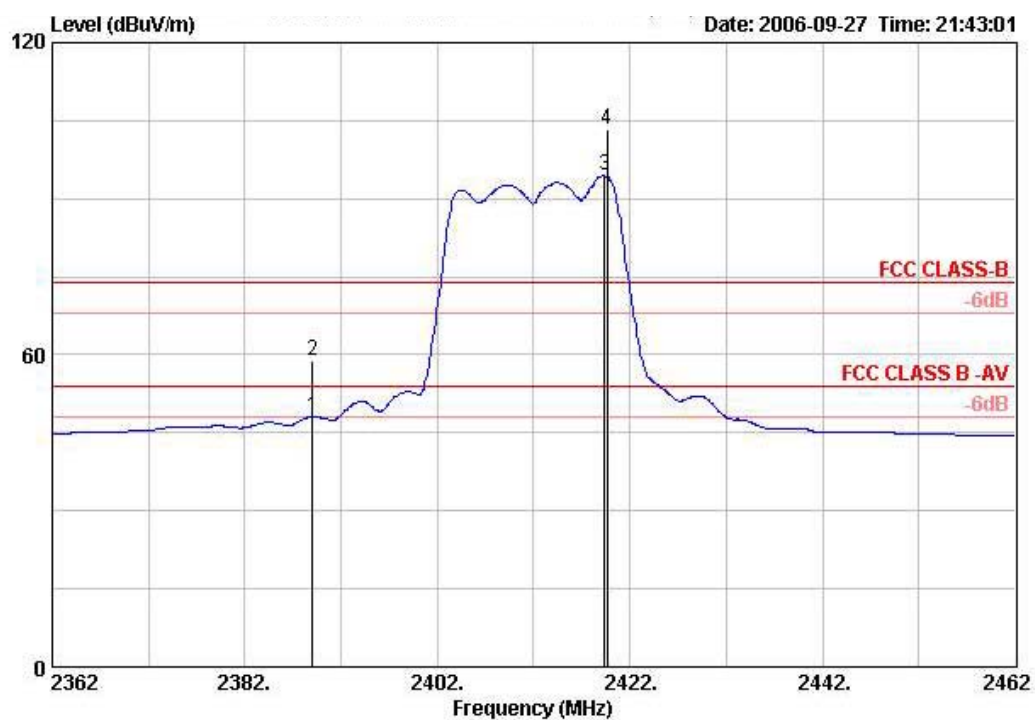


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	TableAntenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2468.300	92.03			60.89	2.81	0.00	Average	---	---	28.32
2 @	2468.800	101.13			69.99	2.81	0.00	PEAK	100	70	28.32
3 @	2483.500	46.15	-7.85	54.00	14.95	2.84	0.00	AVERAGE	100	70	28.36
4 @	2483.500	54.90	-19.10	74.00	23.69	2.84	0.00	PEAK	100	70	28.36

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

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 20MHz Channel 1, 11 Ant. A + Ant. B / USB Cable 2

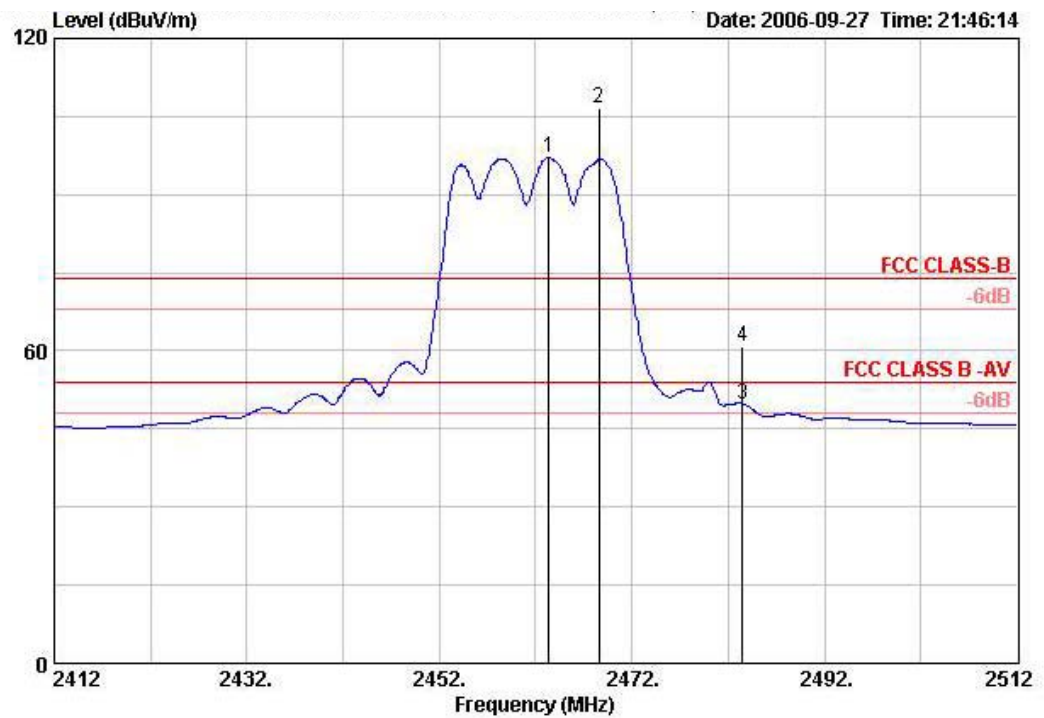
Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 ☒	2389.000	48.07	-5.93	54.00	17.13	2.76	0.00	AVERAGE	102	49	28.17
2 ☒	2389.000	58.76	-15.24	74.00	27.83	2.76	0.00	PEAK	102	49	28.17
3 ☒	2419.400	94.35			63.35	2.79	0.00	Average	---	---	28.21
4 ☒	2419.600	103.48			72.44	2.79	0.00	PEAK	102	49	28.25

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

Channel 11

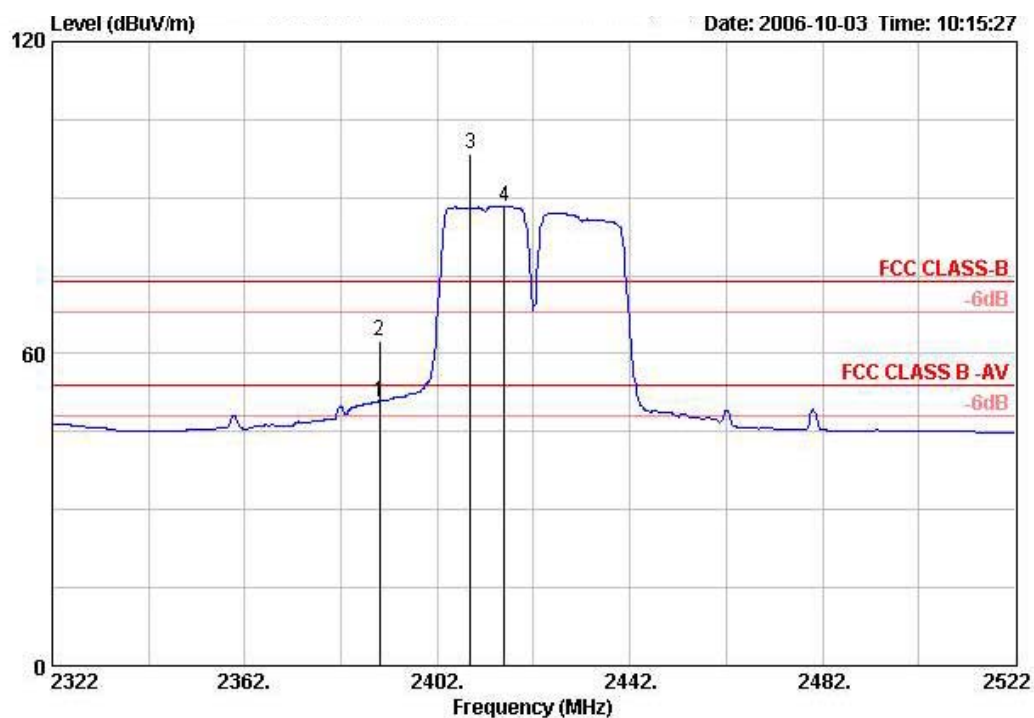


	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	TableAntenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2463.400	97.01			65.87	2.81	0.00	Average	---	---	28.32
2	2468.600	106.59			75.45	2.81	0.00	PEAK	130	235	28.32
3	2483.500	49.76	-4.24	54.00	18.56	2.84	0.00	AVERAGE	130	235	28.36
4	2483.500	60.69	-13.31	74.00	29.49	2.84	0.00	PEAK	130	235	28.36

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

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 3, 9 Ant. A / USB Cable 2

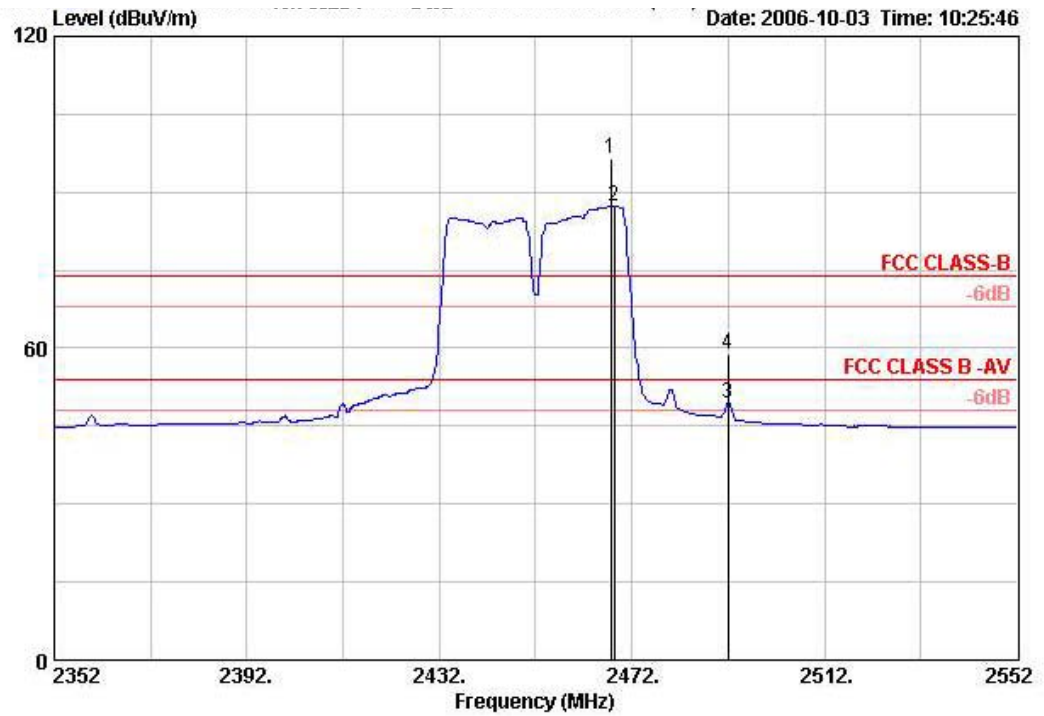
Channel 3



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	TableAntenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos Factor
			dB	dBuV/m	dBuV	dB	dB		cm	deg dB/m
1 @	2390.000	50.84	-3.16	54.00	19.90	2.76	0.00	AVERAGE	161	47 28.17
2 @	2390.000	62.56	-11.44	74.00	31.62	2.76	0.00	PEAK	161	47 28.17
3 @	2408.800	98.38			67.38	2.79	0.00	PEAK	161	47 28.21
4 @	2416.000	88.30			57.30	2.79	0.00	Average	---	--- 28.21

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 9

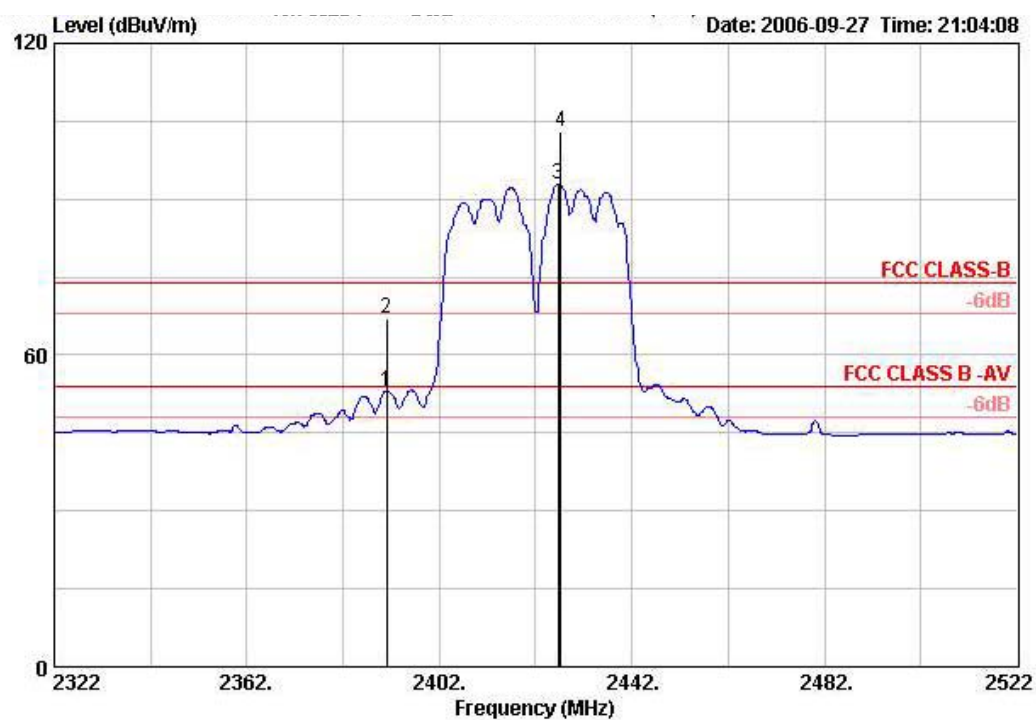


	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	TableAntenna
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos Factor
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB	dB		cm	deg dB/m
1 @	2467.600	96.50			65.36	2.81	0.00	PEAK	154	55 28.32
2 @	2468.400	87.45			56.31	2.81	0.00	Average	---	---
3 @	2491.900	49.40	-4.60	54.00	18.16	2.84	0.00	AVERAGE	154	55 28.40
4 @	2491.900	58.97	-15.03	74.00	27.73	2.84	0.00	PEAK	154	55 28.40

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	23°C	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Channel 3, 9 Ant. A + Ant. B / USB Cable 2

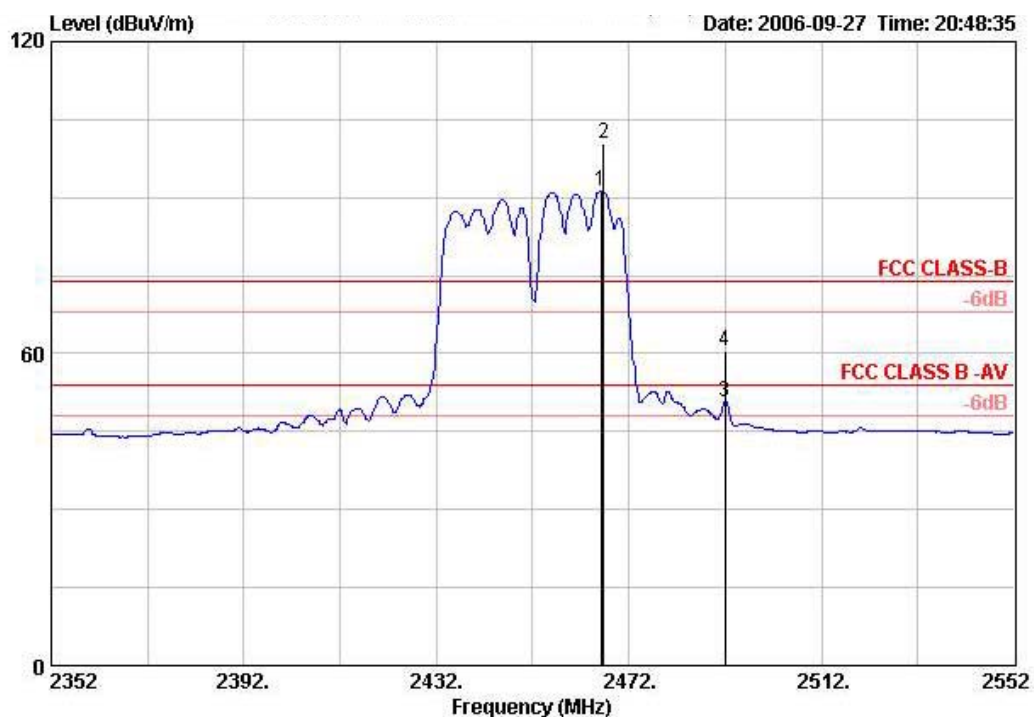
Channel 3



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Antenna Pos	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2391.000	53.00	-1.00	54.00	22.07	2.76	0.00	AVERAGE	100	51	28.17
2	2391.000	66.97	-7.03	74.00	36.03	2.76	0.00	PEAK	100	51	28.17
3	2426.600	92.87			61.83	2.79	0.00	Average	---	---	28.25
4	2427.200	103.04			72.00	2.79	0.00	PEAK	100	51	28.25

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 9



	Freq	Level	Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	2466.200	91.26			60.12	2.81	0.00	Average	---	---	28.32
2	2466.800	100.23			69.09	2.81	0.00	PEAK	100	176	28.32
3	2491.900	50.79	-3.21	54.00	19.55	2.84	0.00	AVERAGE	100	176	28.40
4	2491.900	60.41	-13.59	74.00	29.17	2.84	0.00	PEAK	100	176	28.40

Item 1, 2 are the fundamental frequency at 2452 MHz.

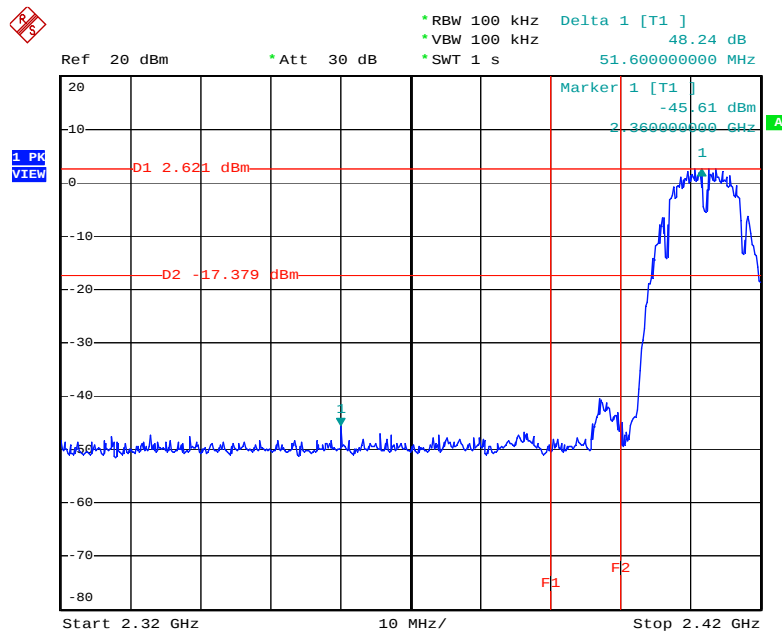
Note:

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

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

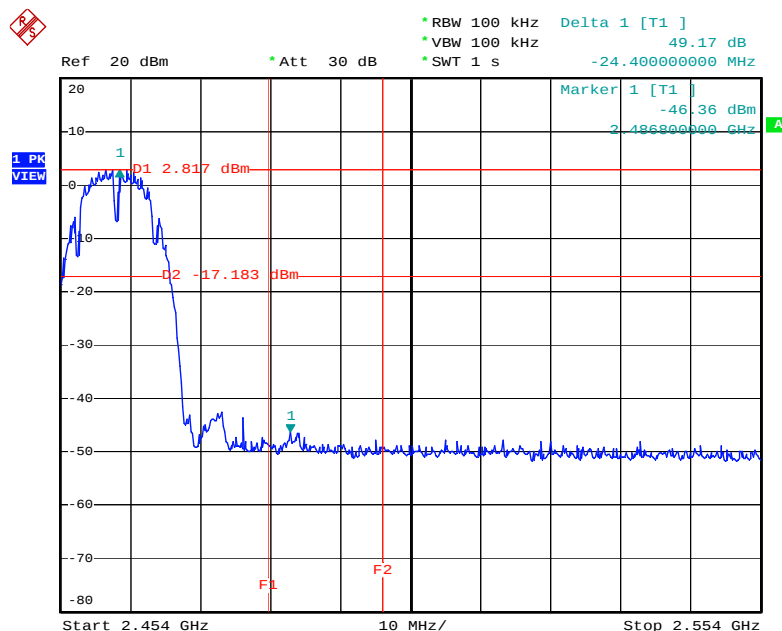
For Emission not in Restricted Band

Low Band Edge Plot on Configuration IEEE 802.11b 20MHz Ant. A / 2412 MHz



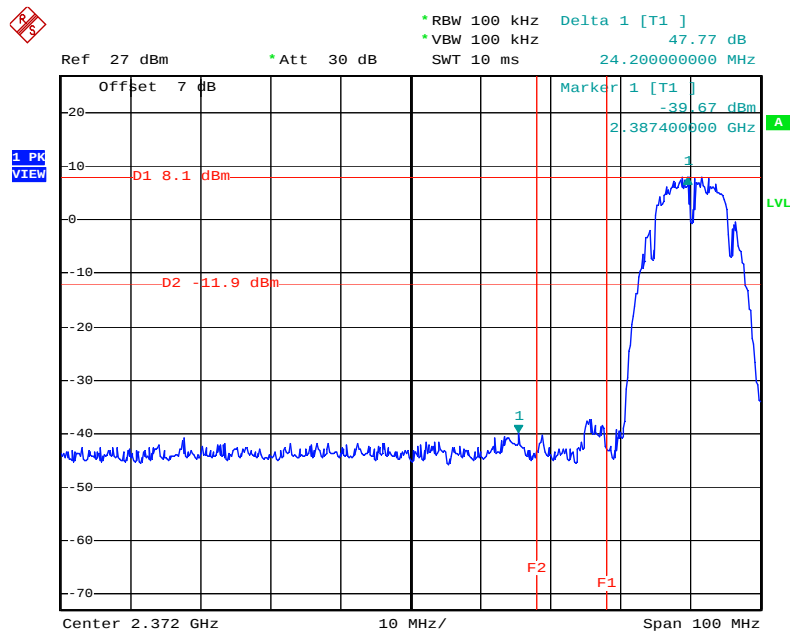
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High Band Edge Plot on Configuration IEEE 802.11b 20MHz Ant. A / 2462 MHz



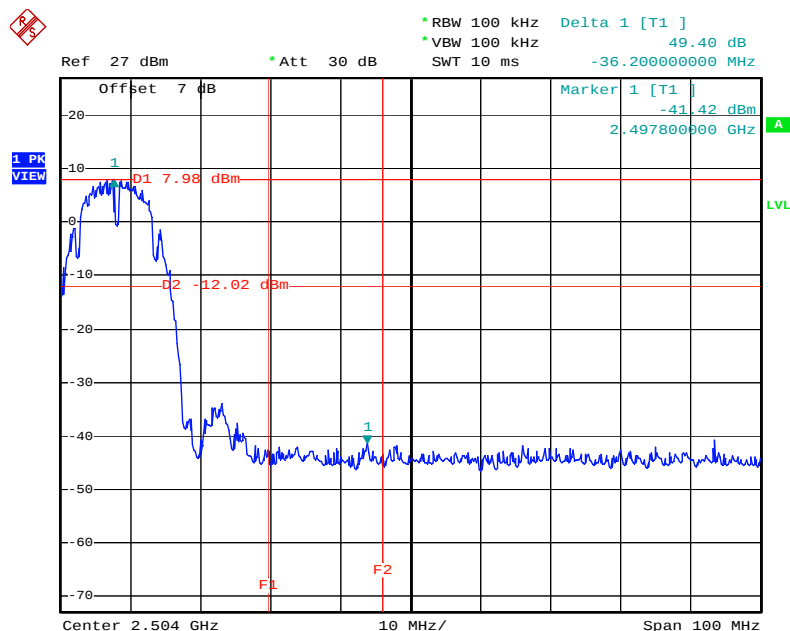
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Low Band Edge Plot on Configuration IEEE 802.11b 20MHz Ant. A + Ant. B / 2412 MHz



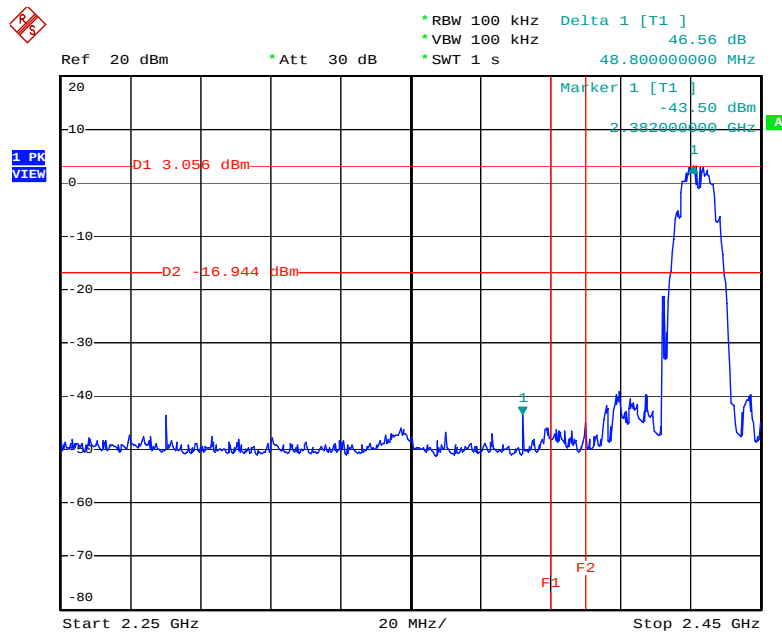
Date: 3.OCT.2006 08:35:27

High Band Edge Plot on Configuration IEEE 802.11b 20MHz Ant. A + Ant. B / 2462 MHz



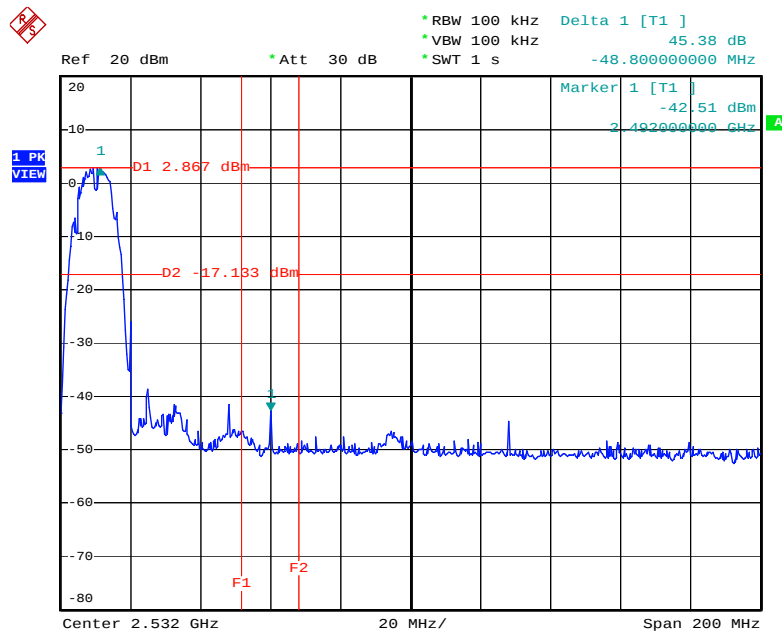
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Low Band Edge Plot on Configuration IEEE 802.11b 40MHz Ant. A / 2422 MHz (Upper)



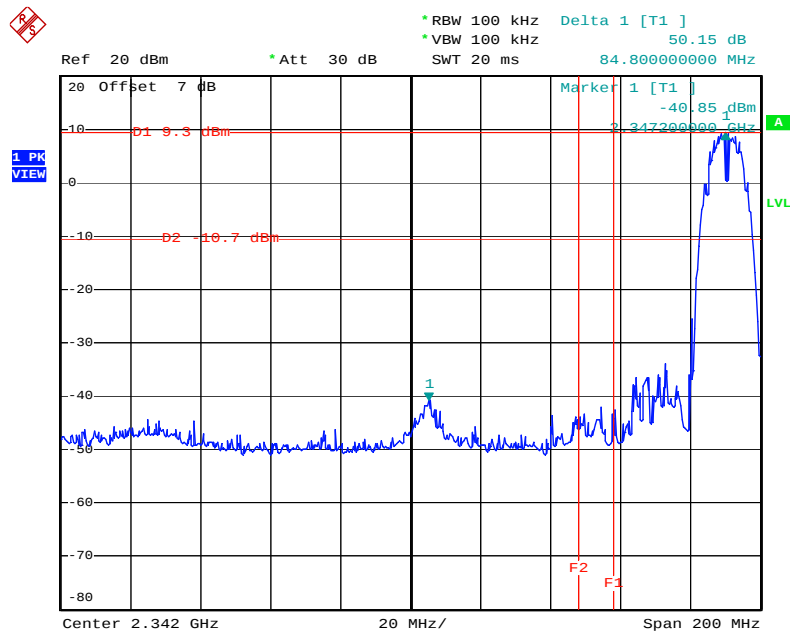
Date: 3.OCT.2006 09:36:22

High Band Edge Plot on Configuration IEEE 802.11b 40MHz Ant. A / 2452 MHz (Lower)



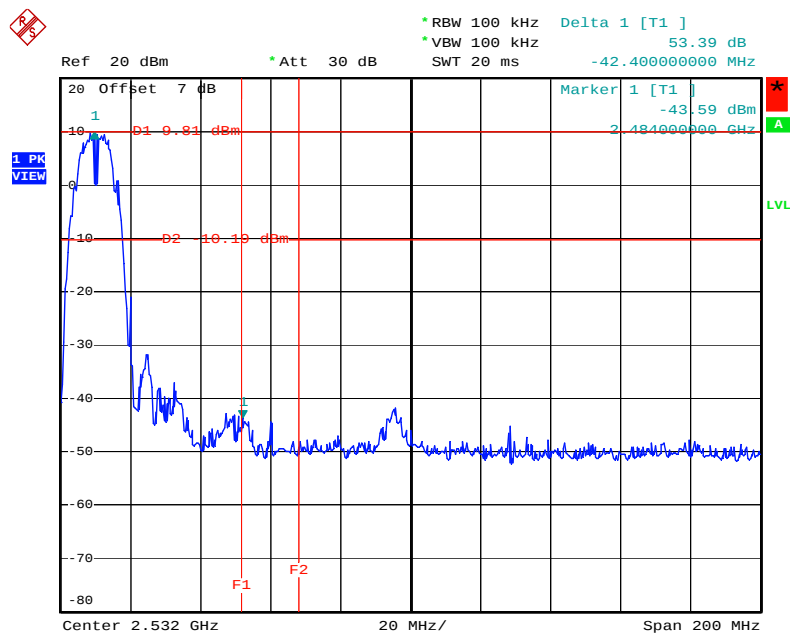
Date: 3.OCT.2006 09:39:43

Low Band Edge Plot on Configuration IEEE 802.11b 40MHz Ant. A + Ant. B / 2422 MHz (Upper)



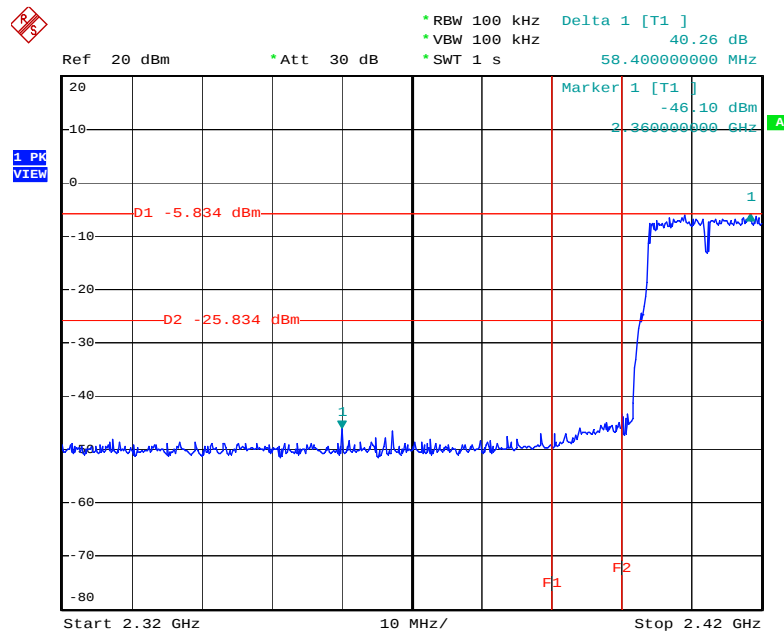
Date: 3.OCT.2006 05:55:24

High Band Edge Plot on Configuration IEEE 802.11b 40MHz Ant. A + Ant. B / 2452 MHz (Lower)



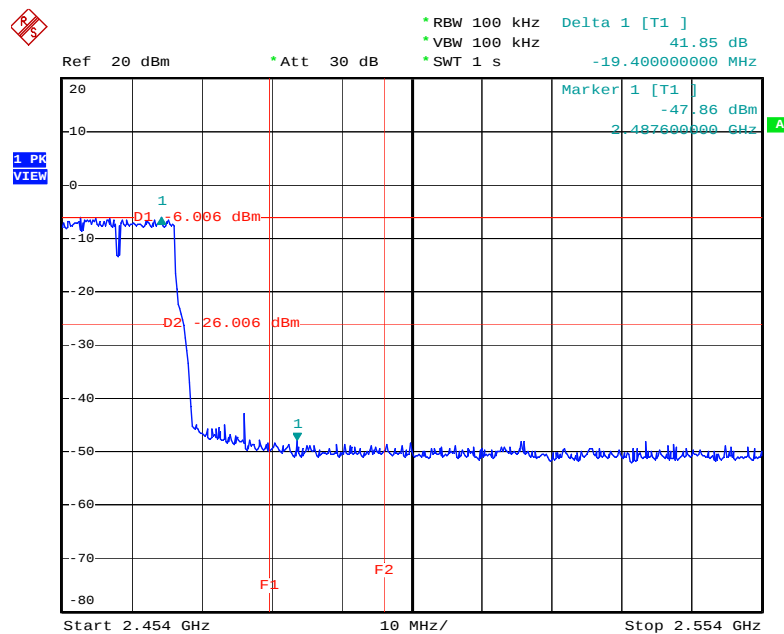
Date: 3.OCT.2006 07:38:30

Low Band Edge Plot on Configuration IEEE 802.11g 20MHz Ant. A / 2412 MHz



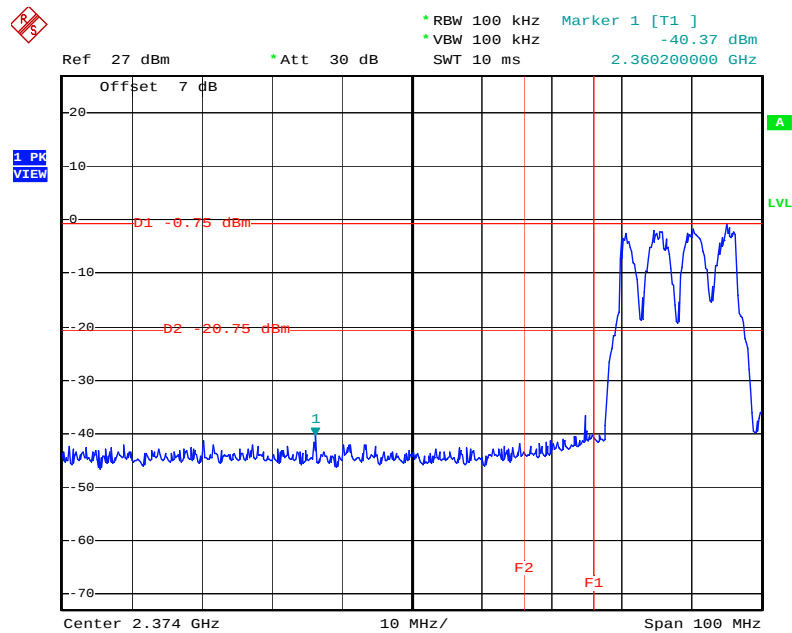
Date: 3.OCT.2006 09:08:11

High Band Edge Plot on Configuration IEEE 802.11g 20MHz Ant. A / 2462 MHz



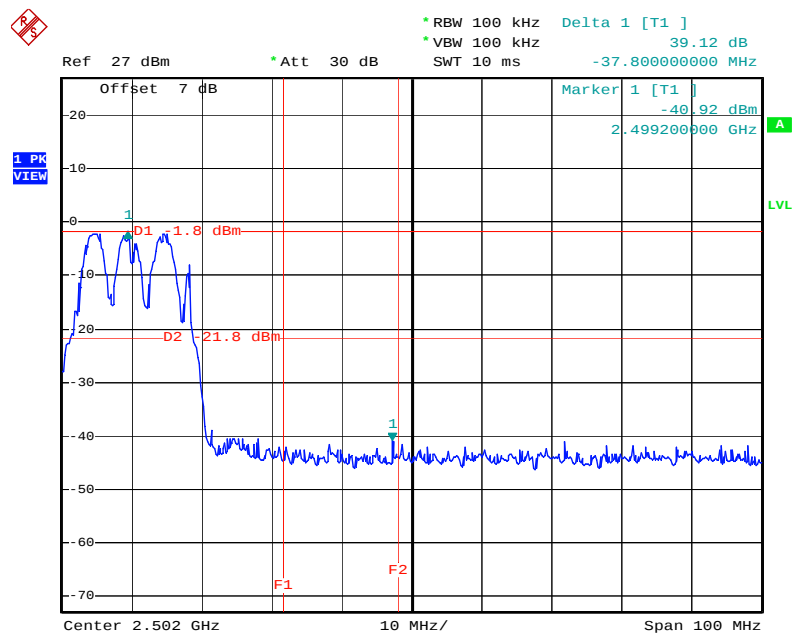
Date: 3.OCT.2006 09:10:11

Low Band Edge Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2412 MHz



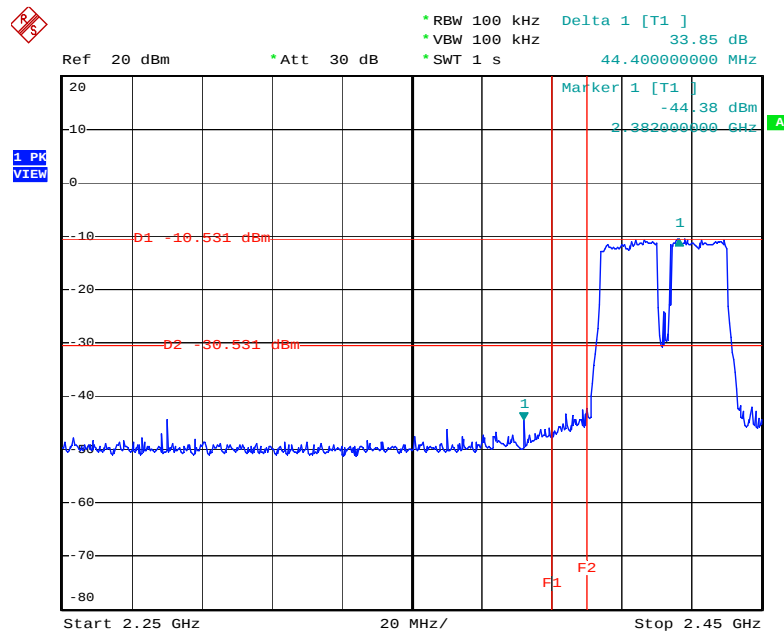
Date: 3.OCT.2006 08:26:09

High Band Edge Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2462 MHz



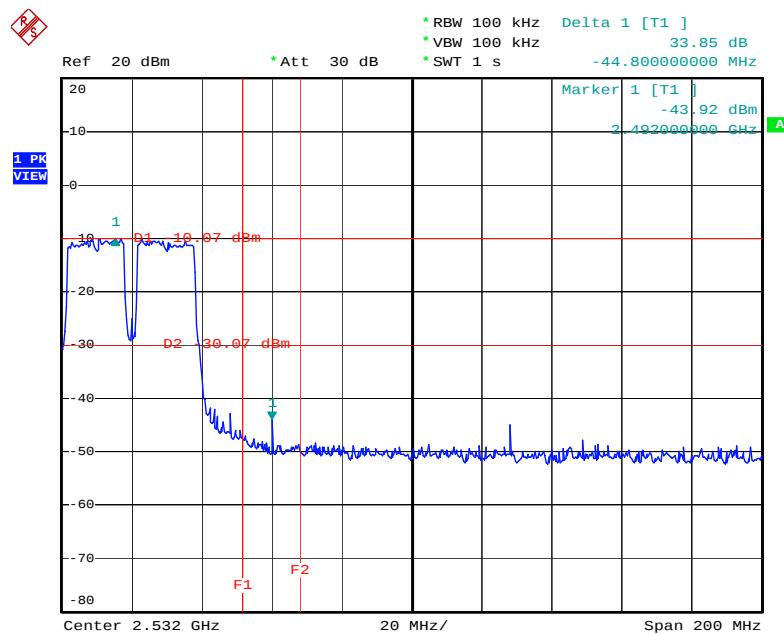
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Low Band Edge Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2422 MHz



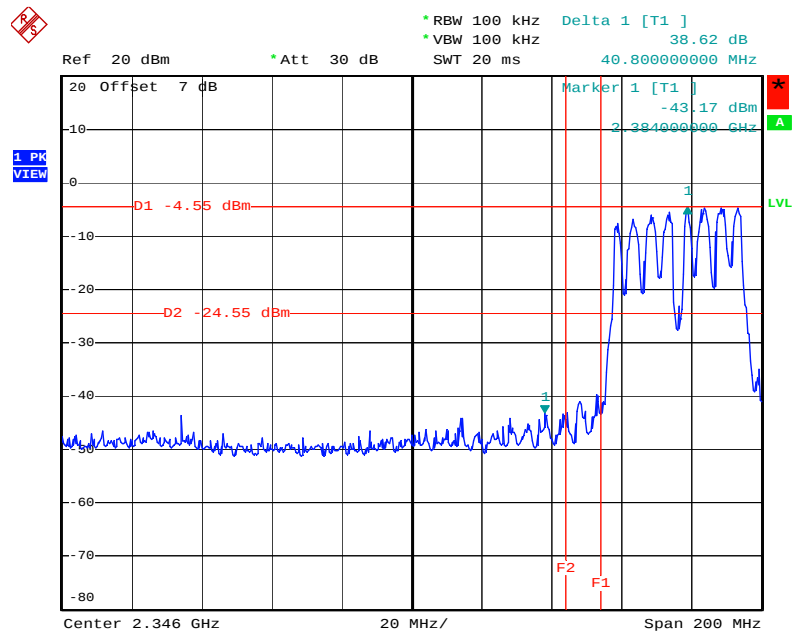
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High Band Edge Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2452 MHz



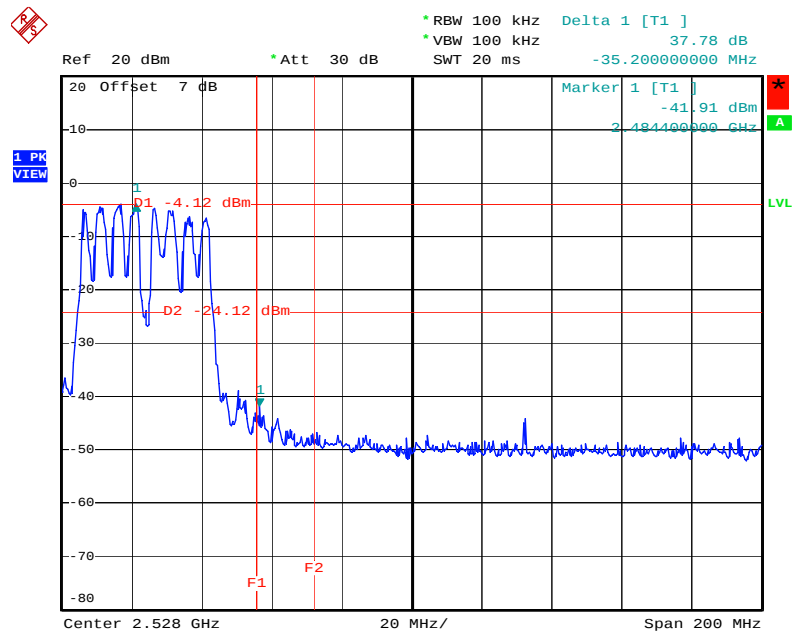
Date: 3.OCT.2006 09:32:31

Low Band Edge Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2422 MHz



Date: 3.OCT.2006 07:46:04

High Band Edge Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2452 MHz



Date: 3.OCT.2006 07:50:22

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. 15, 2006	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	CPA9231A	18667	9 kHz - 2 GHz	Jan. 18, 2006	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	May 29, 2006	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	26.5 GHz - 40 GHz	Jan. 24, 2006*	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	6903	1GHz ~ 18GHz	Mar. 15, 2006	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, 2005	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec.02, 2005	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	100174	9kHz – 2.75GHz	Feb. 22, 2006	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Dec. 19, 2005	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9708-1839	9kHz – 30MHz	Mar. 18, 2006	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2006	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Nov. 26, 2005	Conducted (TH01-HY)
Power Meter	R&S	NRVS	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. 10, 2006	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	Apr. 21, 2005*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Dec. 28, 2005	Conducted (TH01-HY)

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

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

Note: NCR means Non-Calibration required.

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. 30, 2005	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 30, 2005	Conducted (TH01-HY)
Oscilloscope	Tektronix	TDS1012	CO38515	100MHz / 1GS/s	Jun. 20, 2006	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Dec. 30, 2005	Conducted (TH01-HY)
Data Generator	Tektronix	DG2030	063-2920-50	0.1Hz~400MHz	Jun. 16, 2006	Conducted (TH01-HY)

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

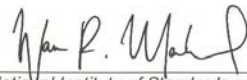
6. SPORTON COMPANY PROFILE

SPORTON Lab. was established in 1986 with one shielded room: the first private EMI test facility, offering local manufacturers an alternative EMI test facility apart from ERSO. In 1988, one 3M and 10M/3M open area test site were setup and also obtained official accreditation from FCC, VCCI and NEMKO. In 1993, a Safety laboratory was founded and obtained accreditation from UL of USA, CSA of Canada and TUV (Rhineland & PS) of Germany. In 1995, one EMC lab, including EMI and EMS test facilities was setup. In 1997, SPORTON Group has provided financial expense to relocate the headquarter to Orient Scientific Park in Taipei Hsien to offer more comprehensive, more qualified and better service to local suppliers and manufactures. In 1999, Safety Group and Component Group were setup. In 2001, SPORTON has established 3M/10M chamber in Hwa Ya Technology Park.

6.1. Test Location

SHIJR	ADD : 6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 02-2696-2468 FAX : 02-2696-2255
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 03-327-3456 FAX : 03-318-0055
LINKOU	ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 02-2601-1640 FAX : 02-2601-1695
DUNGHU	ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 02-2631-4739 FAX : 02-2631-9740
JUNGHE	ADD : 7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 02-8227-2020 FAX : 02-8227-2626
NEIHU	ADD : 4Fl., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 02-2794-8886 FAX : 02-2794-9777
JHUBEI	ADD : No.8, Lane 728, Bo-ai St., Jhubei City, Hsinchu County 302, Taiwan, R.O.C. TEL : 03-656-9065 FAX : 03-656-9085

7. NVLAP CERTIFICATE OF ACCREDITATION

United States Department of Commerce National Institute of Standards and Technology		
		
Certificate of Accreditation to ISO/IEC 17025:1999		
NVLAP LAB CODE: 200079-0		
Sporton International, Inc. Hwa Ya EMC Laboratory Tao Yuan Hsien 333 TAIWAN		
<i>is recognized by the National Voluntary Laboratory Accreditation Program for conformance with criteria set forth in NIST Handbook 150:2001 and all requirements of ISO/IEC 17025:1999. Accreditation is granted for specific services, listed on the Scope of Accreditation, for:</i>		
ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS		
2006-01-01 through 2006-12-31 <i>Effective dates</i>		 <i>For the National Institute of Standards and Technology</i>

NVLAP-01C (REV. 2005-05-19)