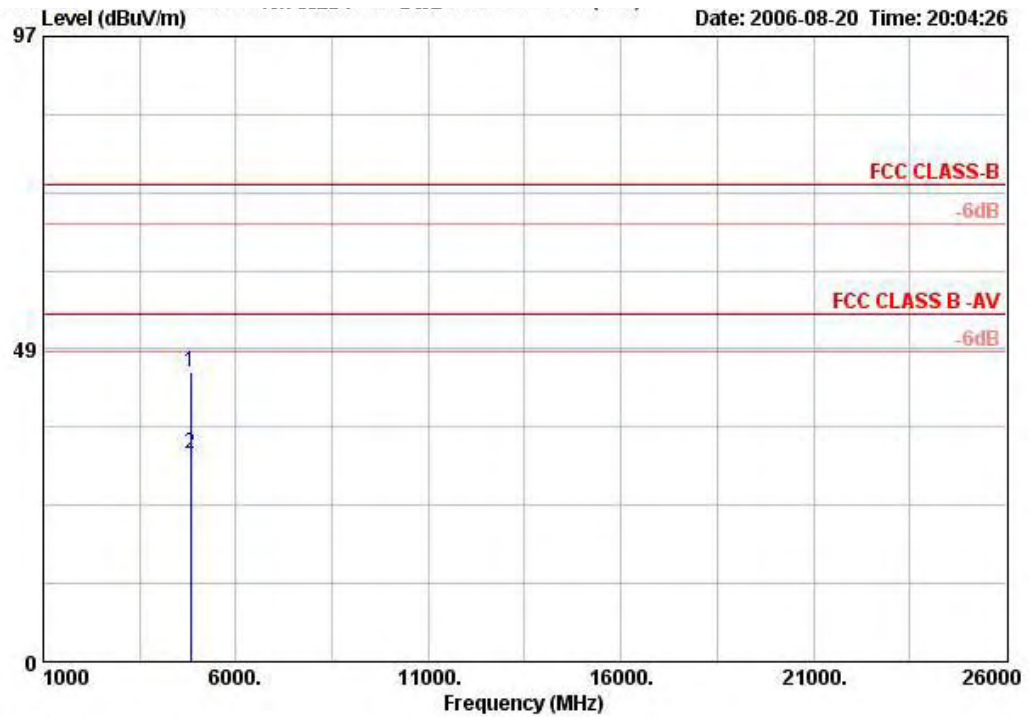


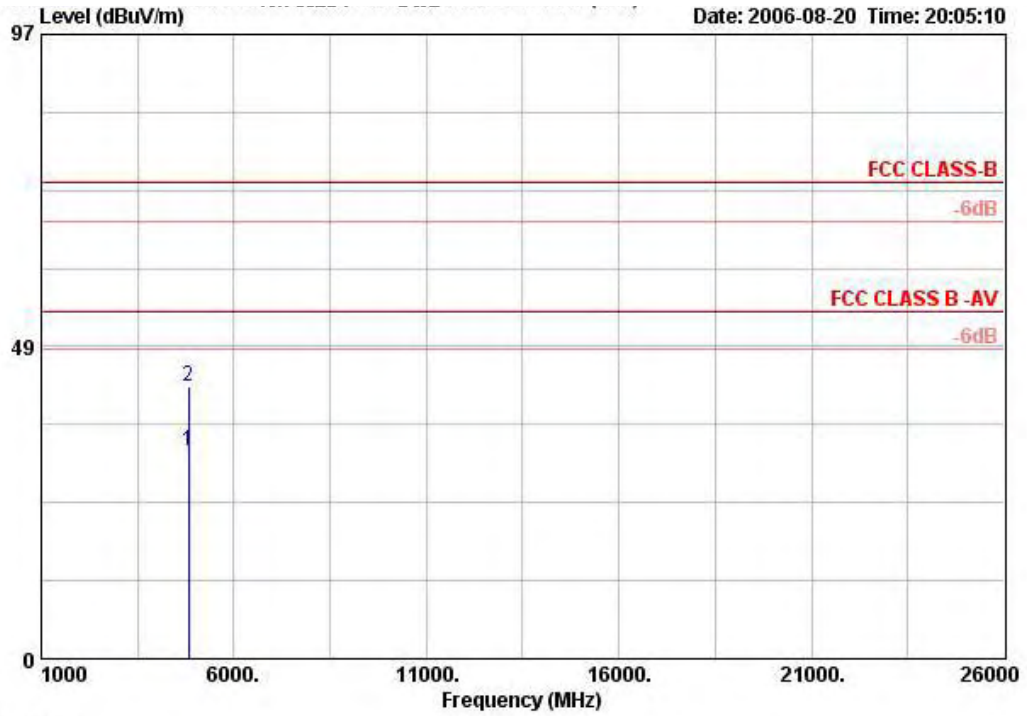
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 3 Ant. A

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark	Pol/Phase	Distance	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		m	
1	4827.500	44.96	-29.04	74.00	42.61	33.22	4.30	35.16	PEAK	VERTICAL	3
2	4828.400	32.21	-21.79	54.00	29.85	33.22	4.30	35.16	AVERAGE	VERTICAL	3

Horizontal

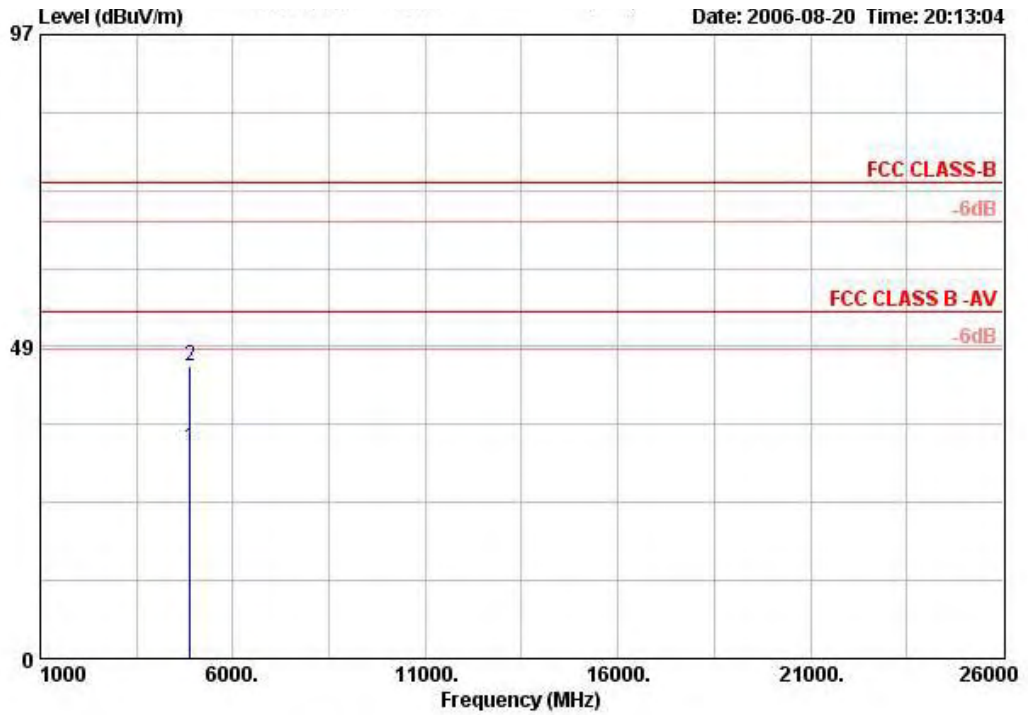


	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4829.900	32.35	-21.65	54.00	29.99	33.22	4.30	35.16	AVERAGE	HORIZONTAL	3
2	4829.900	42.23	-31.77	74.00	39.88	33.22	4.30	35.16	PEAK	HORIZONTAL	3



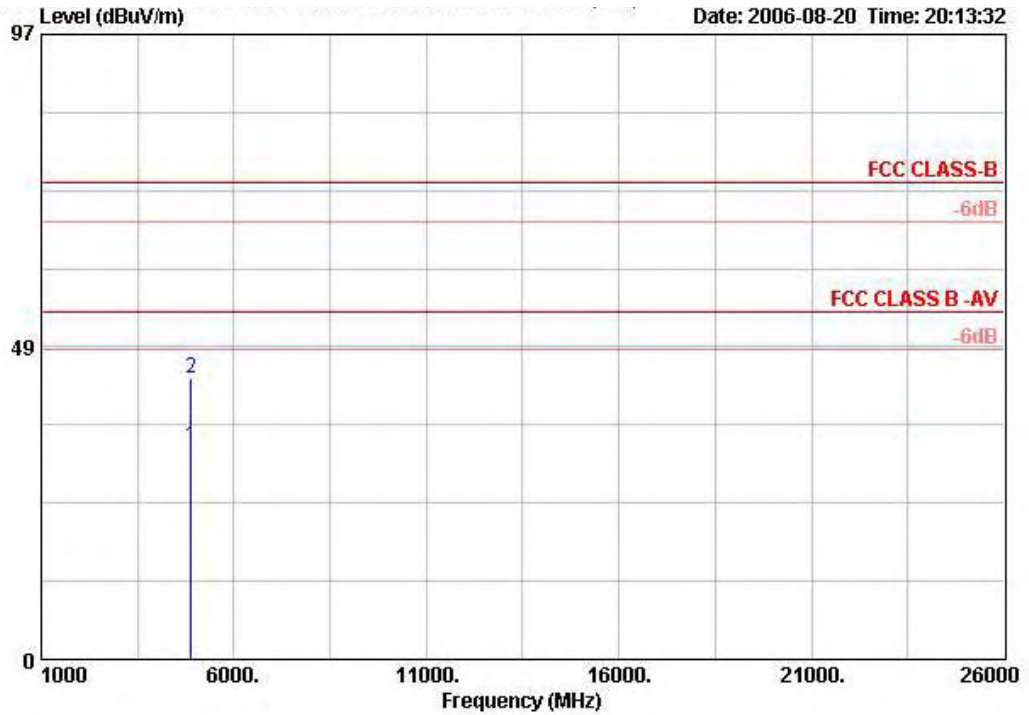
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 6 Ant. A

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4885.100	32.72	-21.28	54.00	30.17	33.41	4.30	35.15	AVERAGE	VERTICAL	3
2	4885.100	45.37	-28.63	74.00	42.81	33.41	4.30	35.15	PEAK	VERTICAL	3

Horizontal

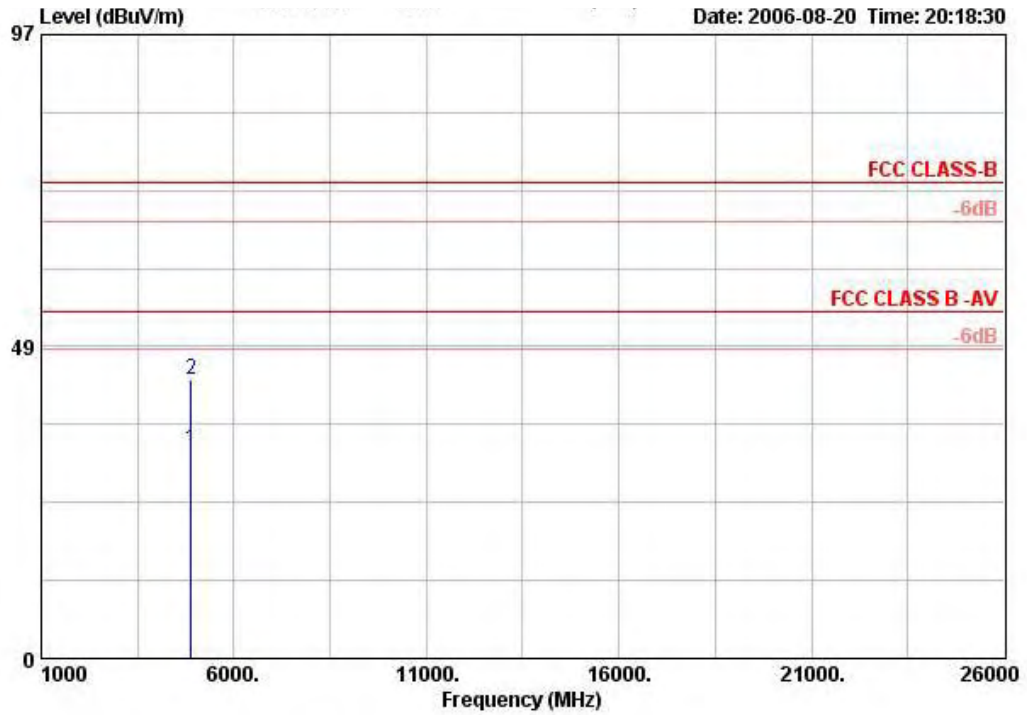


	Freq	Level	Over	Limit	Read	Cable	Preamp	Remark	Ant	Table	Antenna
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor		Pos	Pos	Factor
			dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1	4884.600	33.02	-20.98	54.00	30.46	4.30	35.15	AVERAGE	100	318	33.41
2	4884.600	43.51	-30.49	74.00	40.95	4.30	35.15	PEAK	100	318	33.41



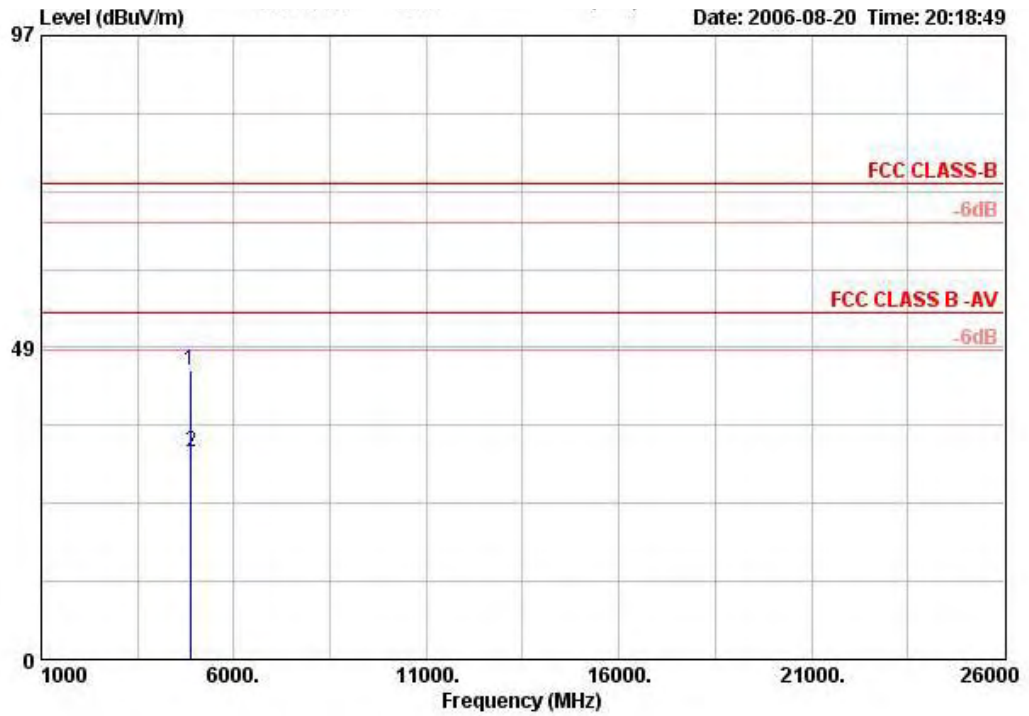
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 9 Ant. A

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4893.800	32.45	-21.55	54.00	29.88	33.41	4.30	35.15	AVERAGE	VERTICAL	3
2	4893.800	43.43	-30.57	74.00	40.86	33.41	4.30	35.15	PEAK	VERTICAL	3

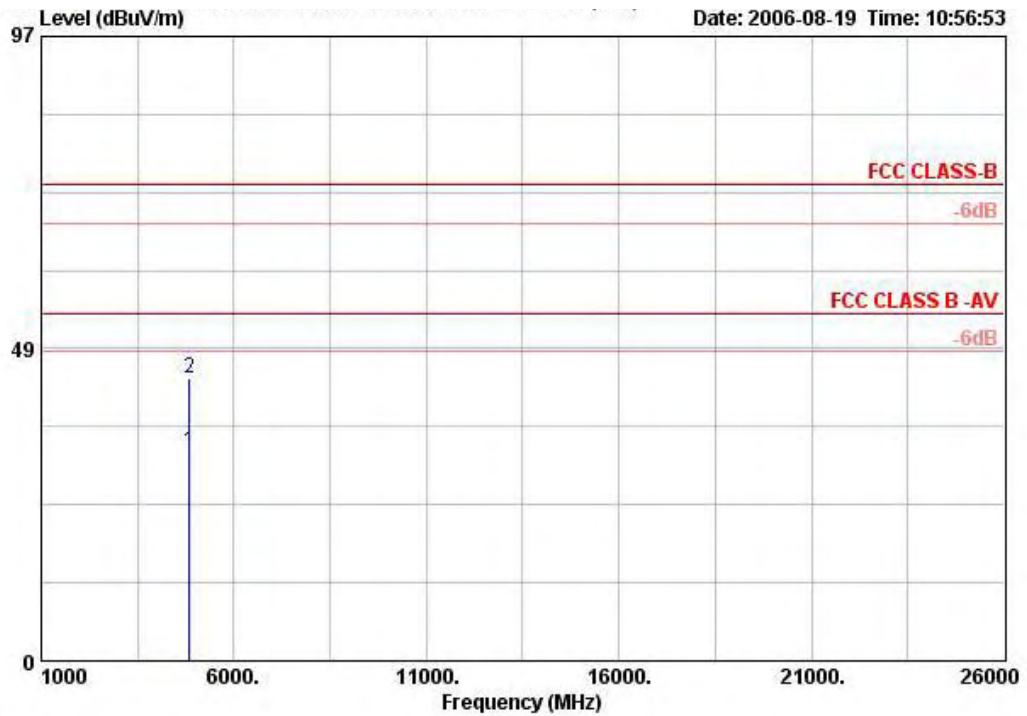
Horizontal



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4876.800	44.96	-29.04	74.00	42.45	33.36	4.30	35.15	PEAK	HORIZONTAL	3
2	4885.800	32.33	-21.67	54.00	29.77	33.41	4.30	35.15	AVERAGE	HORIZONTAL	3

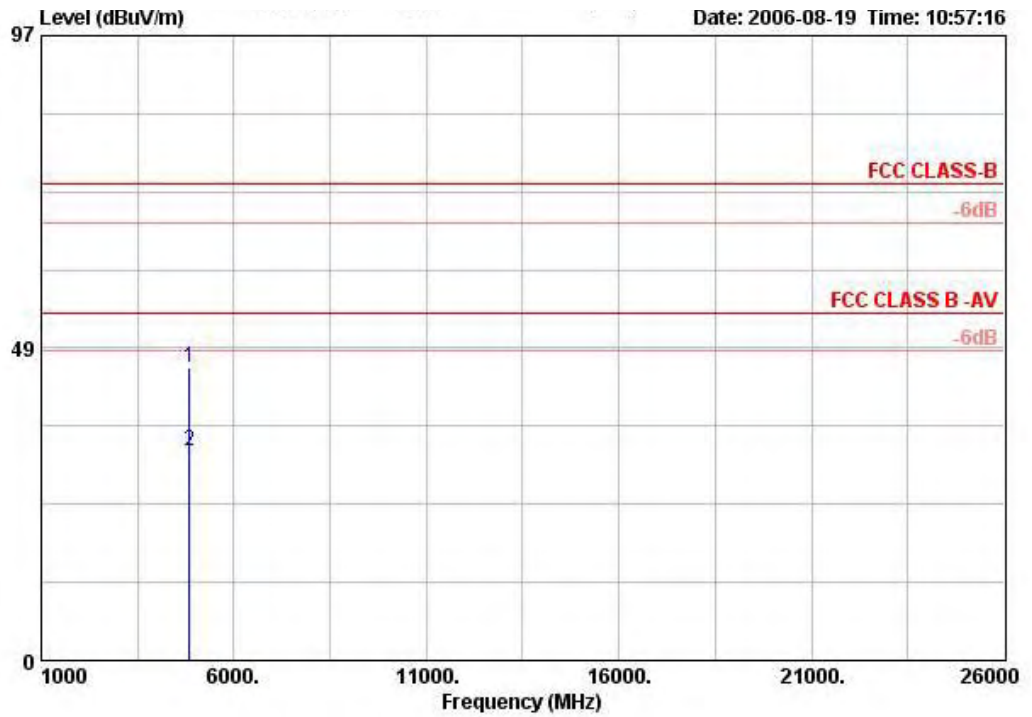
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 3 Ant. A + Ant. B

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4847.440	32.49	-21.51	54.00	30.09	33.27	4.30	35.16	AVERAGE	VERTICAL	3
2	4847.440	43.98	-30.02	74.00	41.57	33.27	4.30	35.16	PEAK	VERTICAL	3

Horizontal

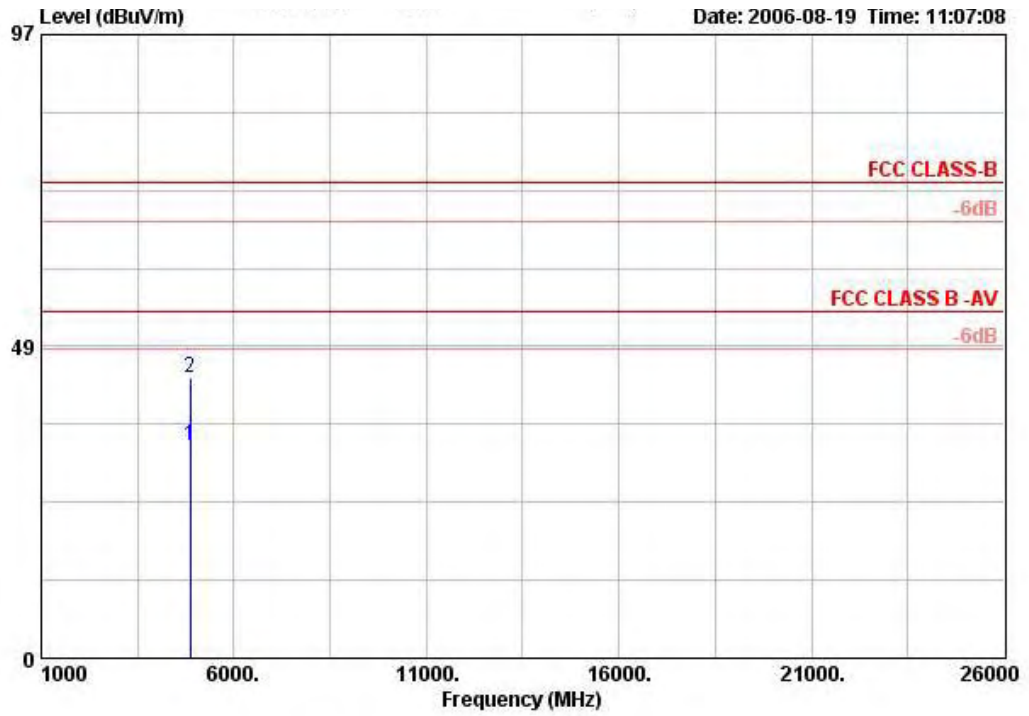


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4846.160	45.38	-28.62	74.00	42.98	33.27	4.30	35.16	PEAK	HORIZONTAL	3
2	4847.440	32.54	-21.46	54.00	30.13	33.27	4.30	35.16	AVERAGE	HORIZONTAL	3



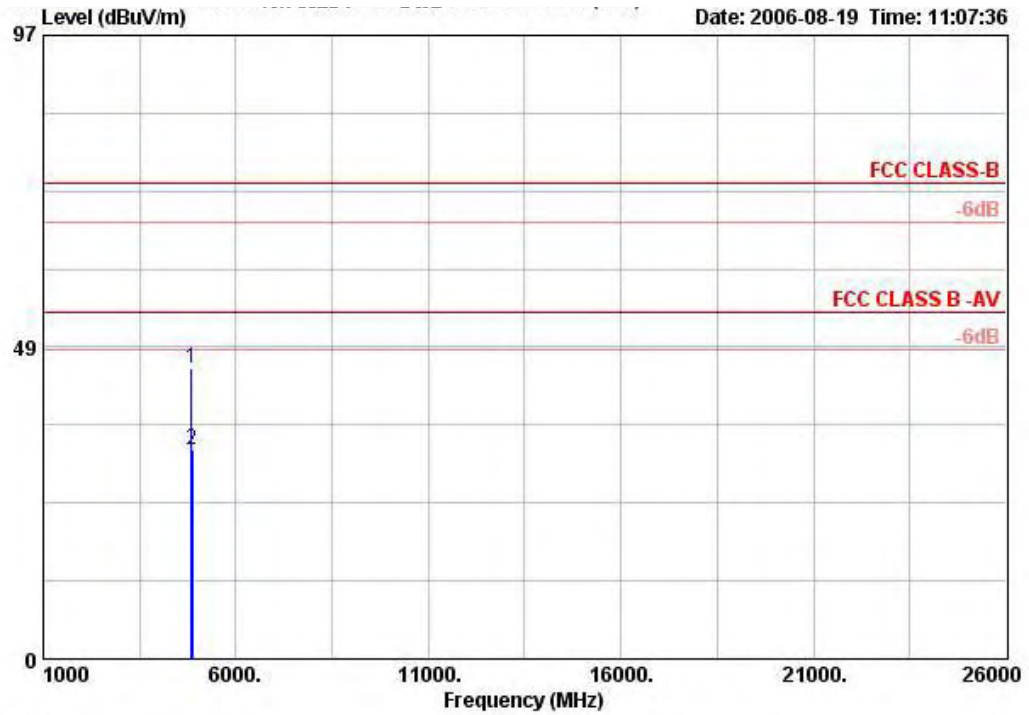
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 6 Ant. A + Ant. B

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB			m
1	4864.600	33.14	-20.86	54.00	30.68	33.31	4.30	35.15 AVERAGE	VERTICAL	3
2	4864.600	43.62	-30.38	74.00	41.16	33.31	4.30	35.15 PEAK	VERTICAL	3

Horizontal

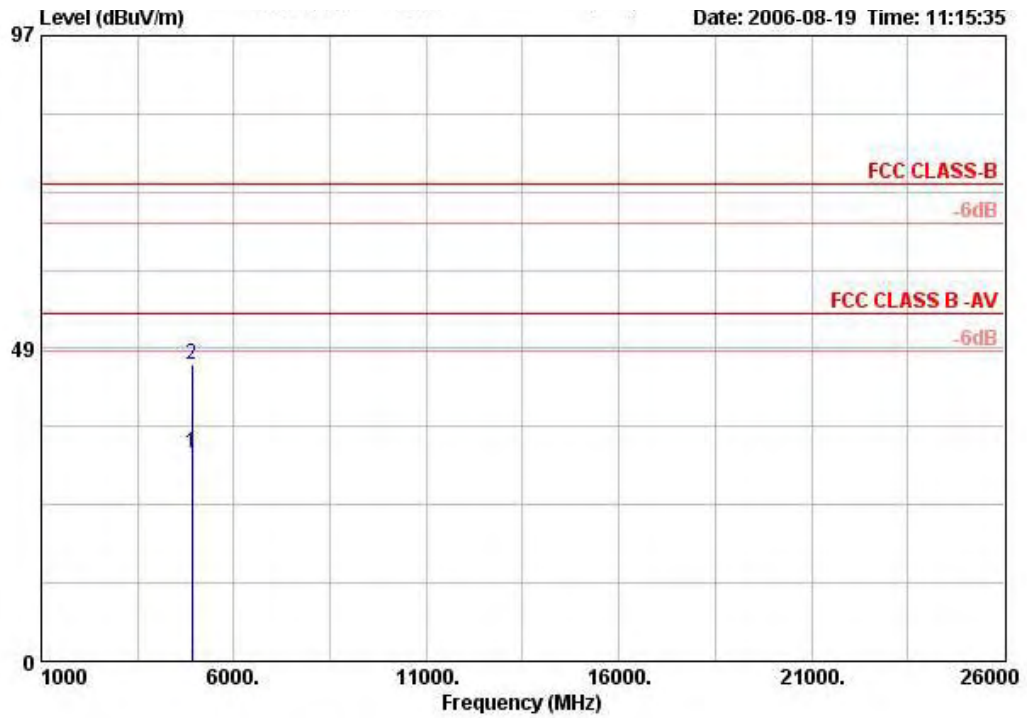


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4854.600	45.26	-28.74	74.00	42.80	33.31	4.30	35.16	PERK	HORIZONTAL	3
2	4862.700	32.60	-21.40	54.00	30.15	33.31	4.30	35.16	AVERAGE	HORIZONTAL	3



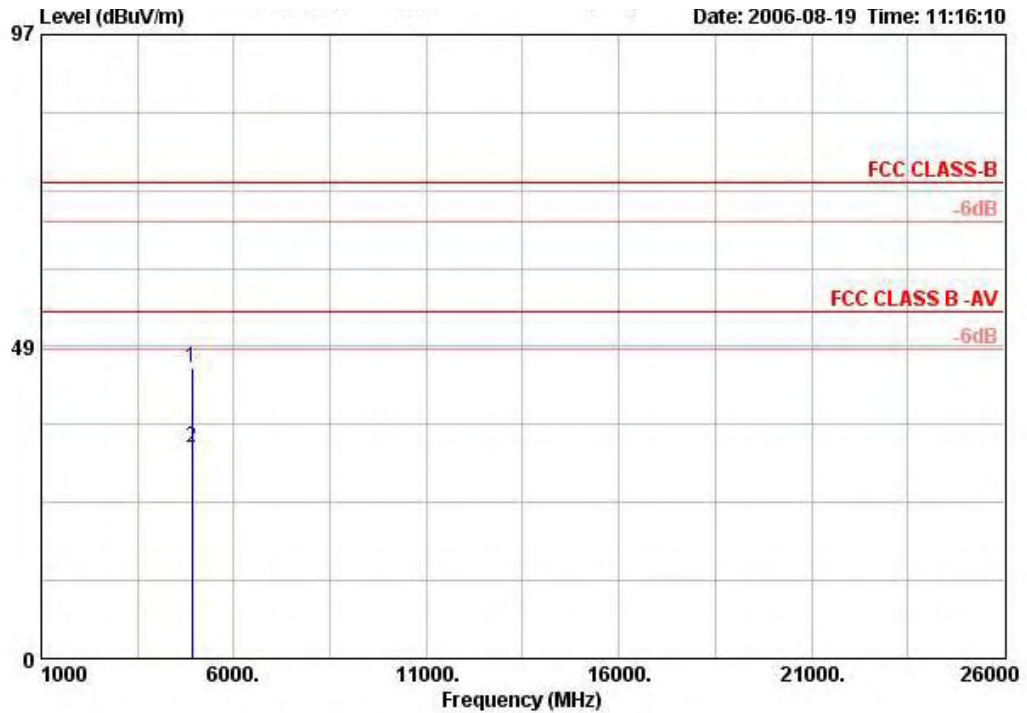
Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 9 Ant. A + Ant. B

Vertical



	Ereq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4904.610	32.23	-21.77	54.00	29.62	33.46	4.30	35.15	AVERAGE	VERTICAL	3
2	4905.820	46.00	-28.00	74.00	43.39	33.46	4.30	35.15	PEAK	VERTICAL	3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	4902.990	45.25	-28.75	74.00	42.64	33.46	4.30	35.15	PEAK	HORIZONTAL	3
2	4905.460	32.84	-21.16	54.00	30.23	33.46	4.30	35.15	AVERAGE	HORIZONTAL	3

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.

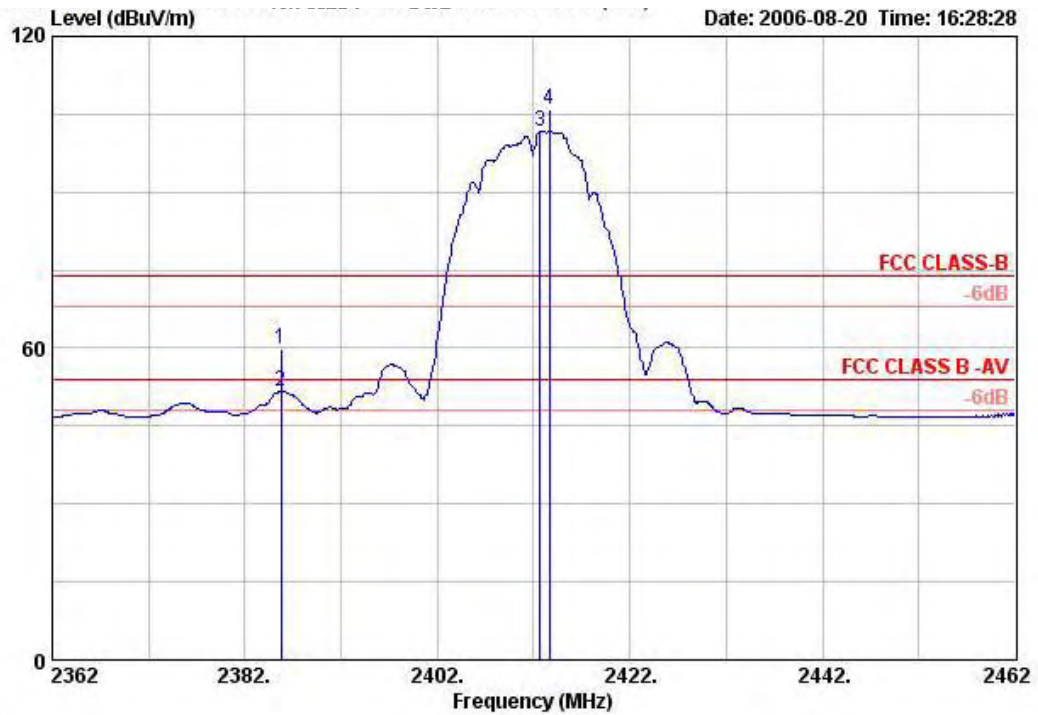
4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b 20MHz Channel 1, 11 Ant. A

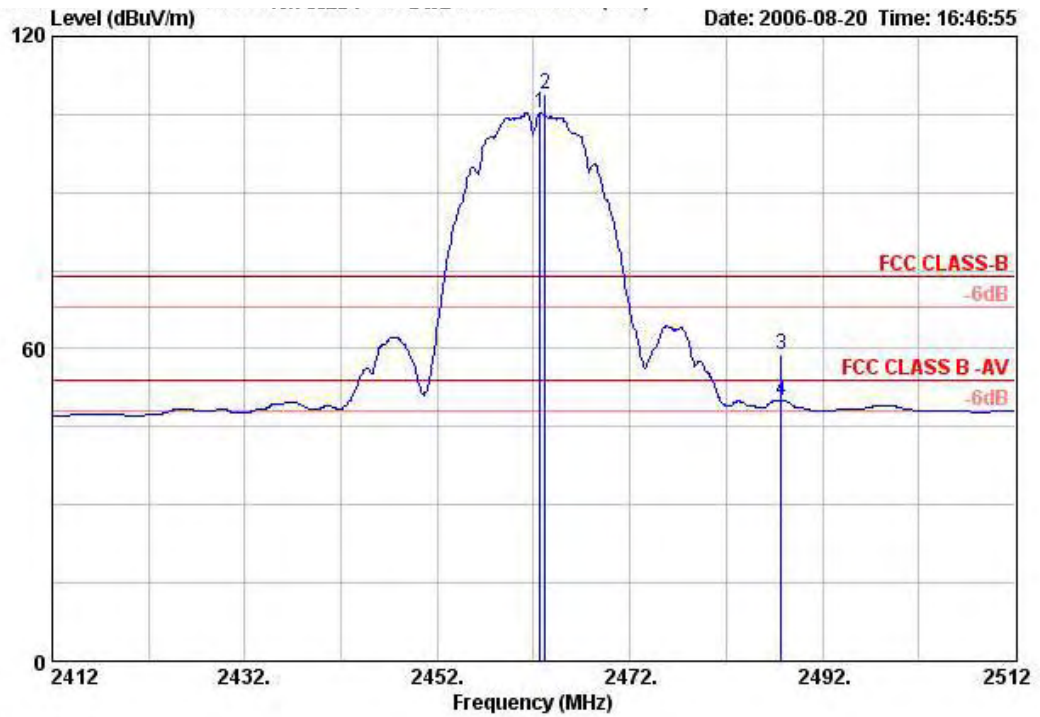
Channel 1



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB			m
1	2385.800	59.76	-14.24	74.00	26.56	30.44	2.76	0.00	PEAK	VERTICAL	3
2 !	2385.800	51.64	-2.36	54.00	18.43	30.44	2.76	0.00	AVERAGE	VERTICAL	3
3 @	2412.700	101.84			68.61	30.43	2.79	0.00	Average	VERTICAL	3
4 over	2413.600	105.86			72.63	30.43	2.79	0.00	PEAK	VERTICAL	3

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

Channel 11

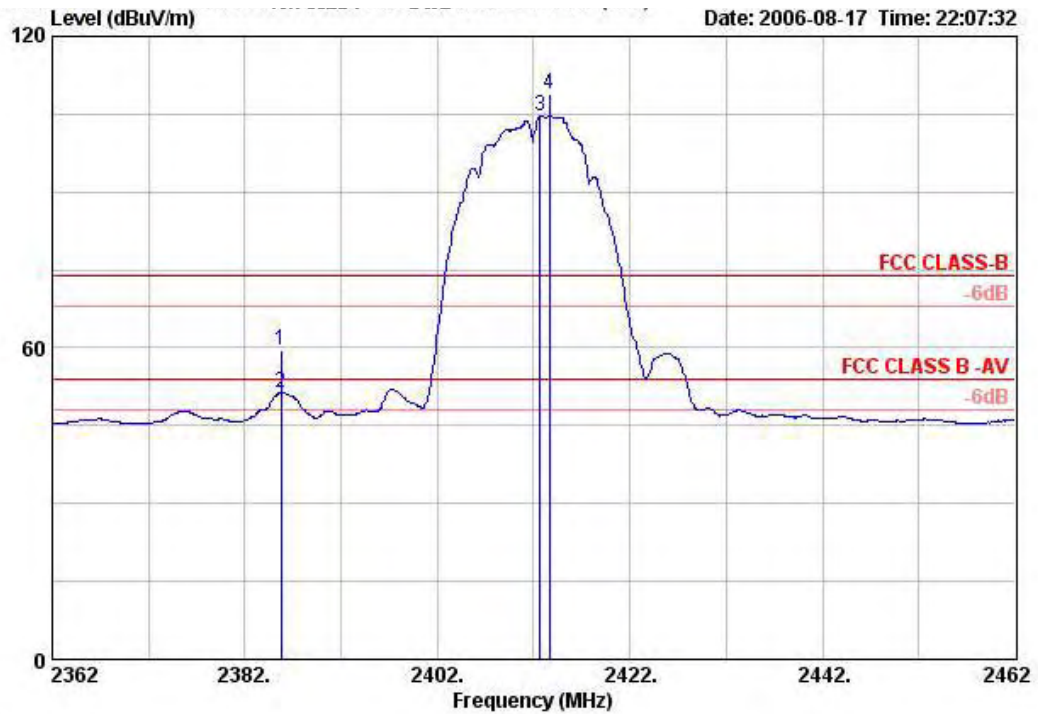


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2462.700	105.19			71.96	30.41	2.81	0.00	Average	VERTICAL	3
2	2463.200	108.99			75.77	30.41	2.81	0.00	PEAK	VERTICAL	3
3	2487.700	58.73	-15.27	74.00	25.49	30.40	2.84	0.00	PEAK	VERTICAL	3
4	2487.700	50.13	-3.87	54.00	16.89	30.40	2.84	0.00	AVERAGE	VERTICAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b 20MHz Channel 1, 11 Ant. A + Ant. B

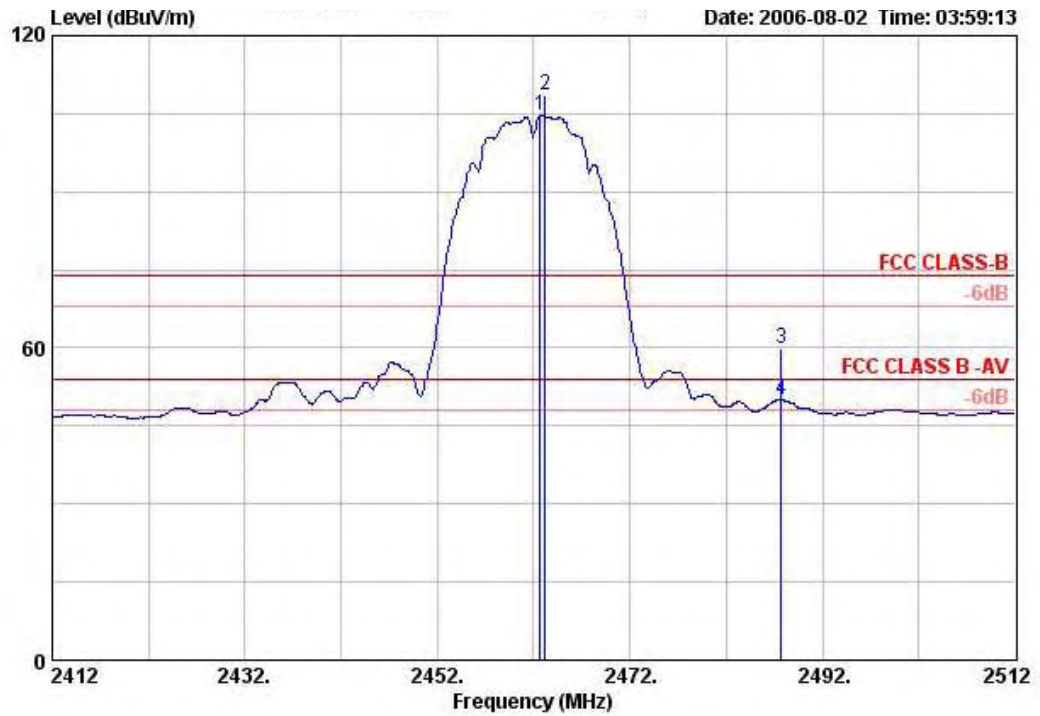
Channel 1



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2385.800	59.46	-14.54	74.00	26.25	30.44	2.76	0.00	PEAK	VERTICAL	3
2	2385.800	51.28	-2.72	54.00	18.07	30.44	2.76	0.00	AVERAGE	VERTICAL	3
3	2412.700	104.71			71.48	30.43	2.79	0.00	Average	VERTICAL	3
4	2413.600	108.74			75.52	30.43	2.79	0.00	PEAK	VERTICAL	3

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

Channel 11

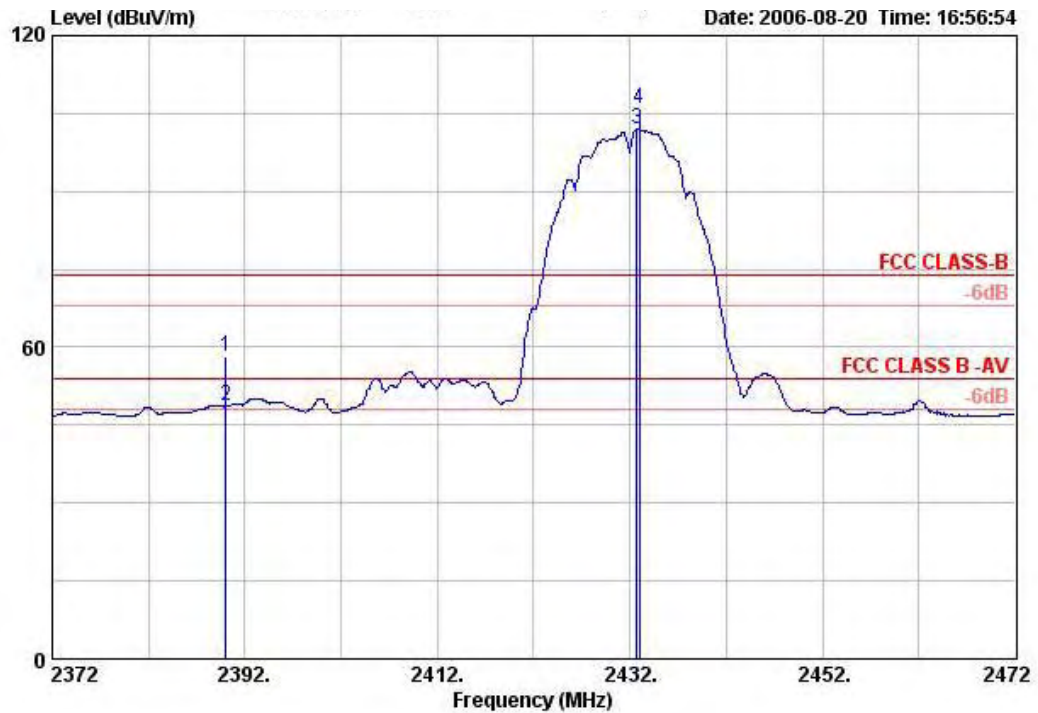


	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2462.700	104.73			72.95	28.96	2.81	0.00	Average	HORIZONTAL	3
2	2463.200	108.49			76.72	28.96	2.81	0.00	PEAK	HORIZONTAL	3
3	2487.700	59.79	-14.21	74.00	27.95	29.00	2.84	0.00	PEAK	HORIZONTAL	3
4	2487.700	49.99	-4.01	54.00	18.15	29.00	2.84	0.00	AVERAGE	HORIZONTAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b 40MHz Channel 3, 9 Ant. A

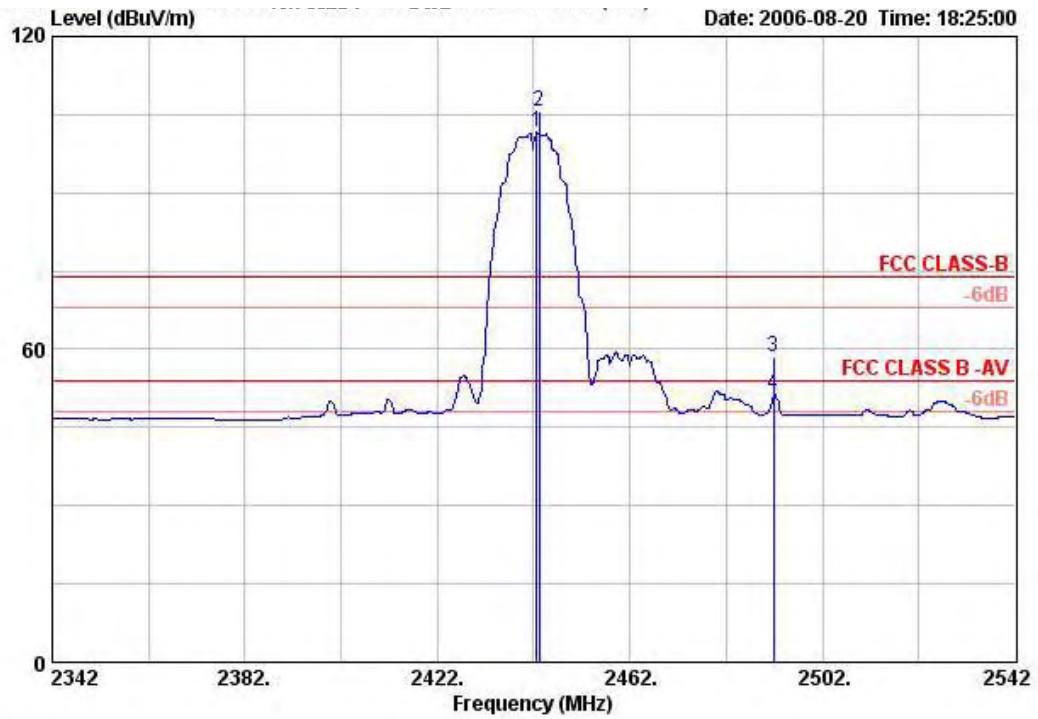
Channel 3



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2390.000	58.05	-15.95	74.00	24.84	30.44	2.76	0.00	PEAK	VERTICAL	3
2 !	2390.000	48.59	-5.41	54.00	15.38	30.44	2.76	0.00	AVERAGE	VERTICAL	3
3 @	2432.700	102.14			68.92	30.43	2.79	0.00	Average	VERTICAL	3
4 over	2433.000	106.00			72.78	30.43	2.79	0.00	PEAK	VERTICAL	3

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

Channel 9

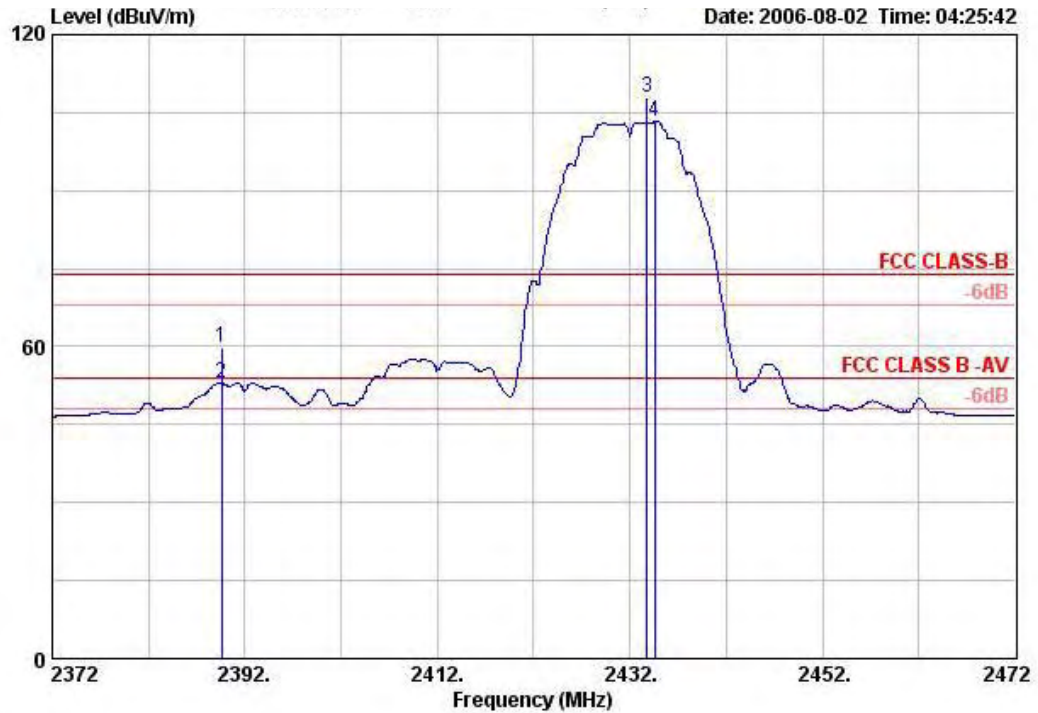


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB			m
1 over	2442.600	101.67			68.46	30.42	2.79	0.00	Average	VERTICAL	3
2 over	2443.200	105.46			72.25	30.42	2.79	0.00	PEAK	VERTICAL	3
3	2491.900	58.40	-15.60	74.00	25.16	30.40	2.84	0.00	PEAK	VERTICAL	3
4 !	2491.900	51.43	-2.57	54.00	18.19	30.40	2.84	0.00	AVERAGE	VERTICAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11b 40MHz Channel 3, 9 Ant. A + Ant. B

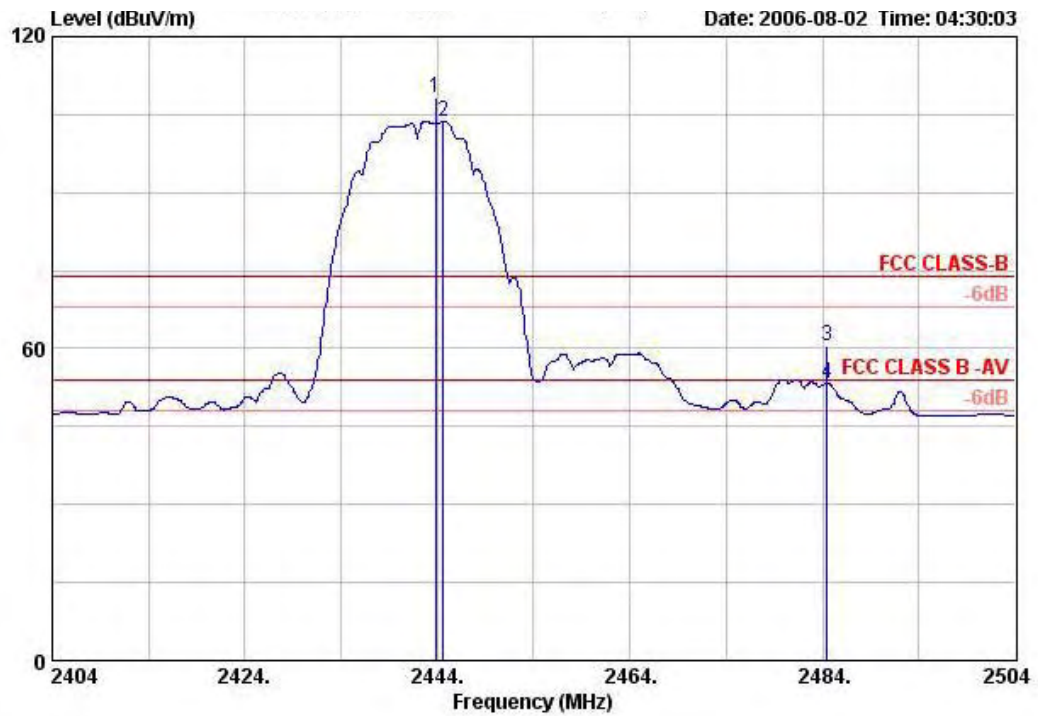
Channel 3



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2389.600	59.88	-14.12	74.00	28.24	28.88	2.76	0.00	PEAK	HORIZONTAL	3
2 !	2389.600	52.97	-1.03	54.00	21.33	28.88	2.76	0.00	AVERAGE	HORIZONTAL	3
3 over	2433.800	107.75			76.04	28.92	2.79	0.00	PEAK	HORIZONTAL	3
4 over	2434.600	103.25			71.54	28.92	2.79	0.00	Average	HORIZONTAL	3

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

Channel 9

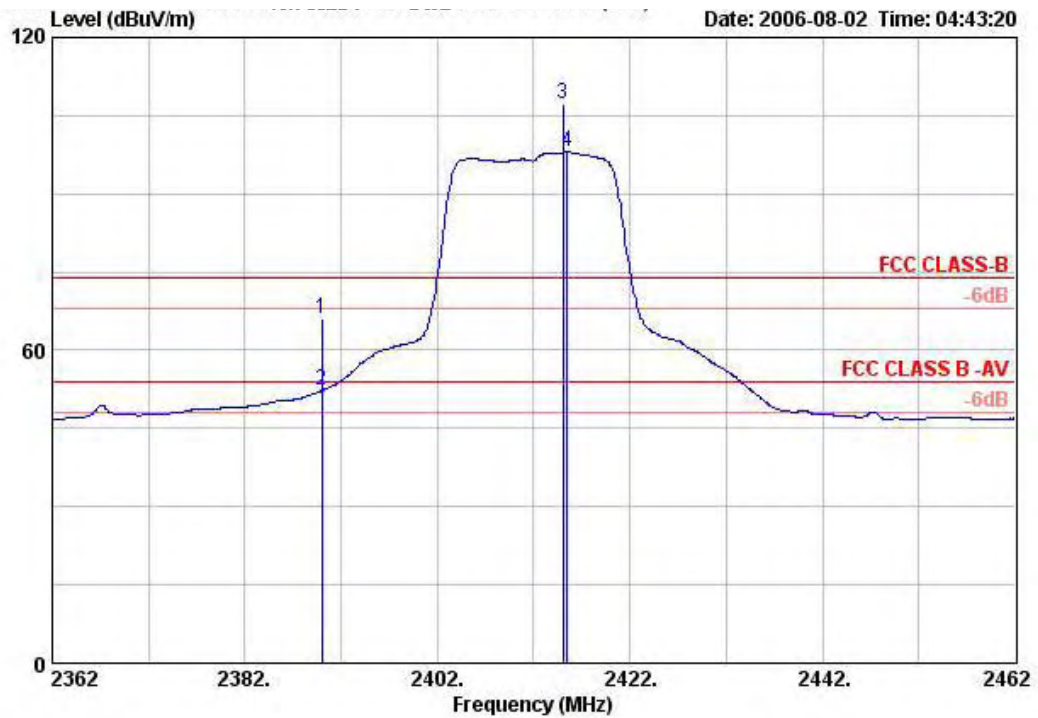


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 over	2443.800	108.19			76.44	28.94	2.81	0.00	PEAK	HORIZONTAL	3
2 @	2444.600	103.64			71.89	28.94	2.81	0.00	Average	HORIZONTAL	3
3	2484.500	60.39	-13.61	74.00	28.57	28.98	2.84	0.00	PEAK	HORIZONTAL	3
4 !	2484.500	53.30	-0.70	54.00	21.48	28.98	2.84	0.00	AVERAGE	HORIZONTAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 20MHz Channel 1, 11 Ant. A

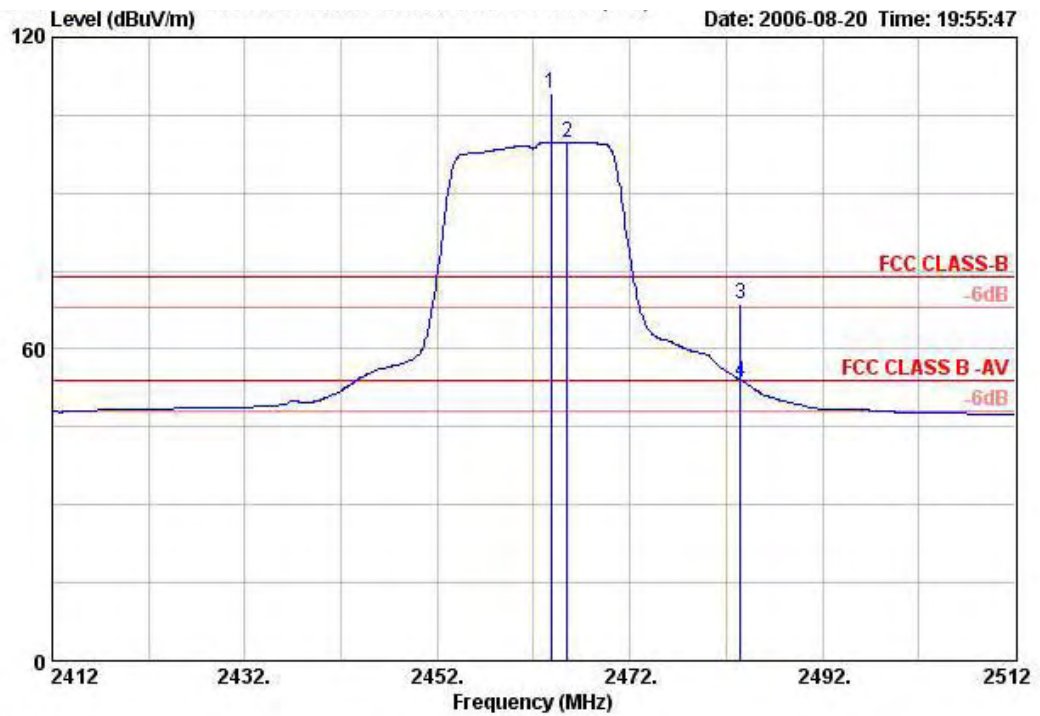
Channel 1



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2390.000	66.04	-7.96	74.00	34.40	28.88	2.76	0.00	PEAK	HORIZONTAL	3
2	2390.000	52.17	-1.83	54.00	20.53	28.88	2.76	0.00	AVERAGE	HORIZONTAL	3
3	2415.000	107.12			75.43	28.90	2.79	0.00	PEAK	HORIZONTAL	3
4	2415.500	98.01			66.33	28.90	2.79	0.00	Average	HORIZONTAL	3

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

Channel 11

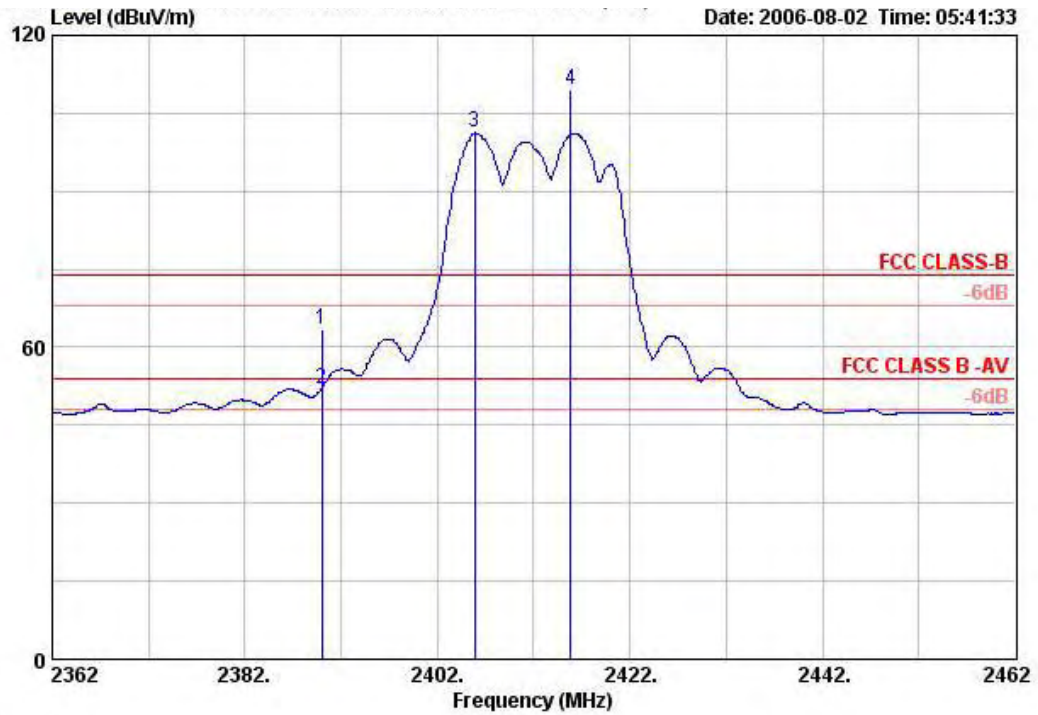


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 over	2463.800	109.20			75.98	30.41	2.81	0.00	PEAK	VERTICAL	3
2 over	2465.500	99.87			66.65	30.41	2.81	0.00	Average	VERTICAL	3
3 !	2483.500	68.72	-5.28	74.00	35.48	30.41	2.84	0.00	PEAK	VERTICAL	3
4 !	2483.500	53.49	-0.51	54.00	20.24	30.41	2.84	0.00	AVERAGE	VERTICAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 20MHz Channel 1, 11 Ant. A + Ant. B

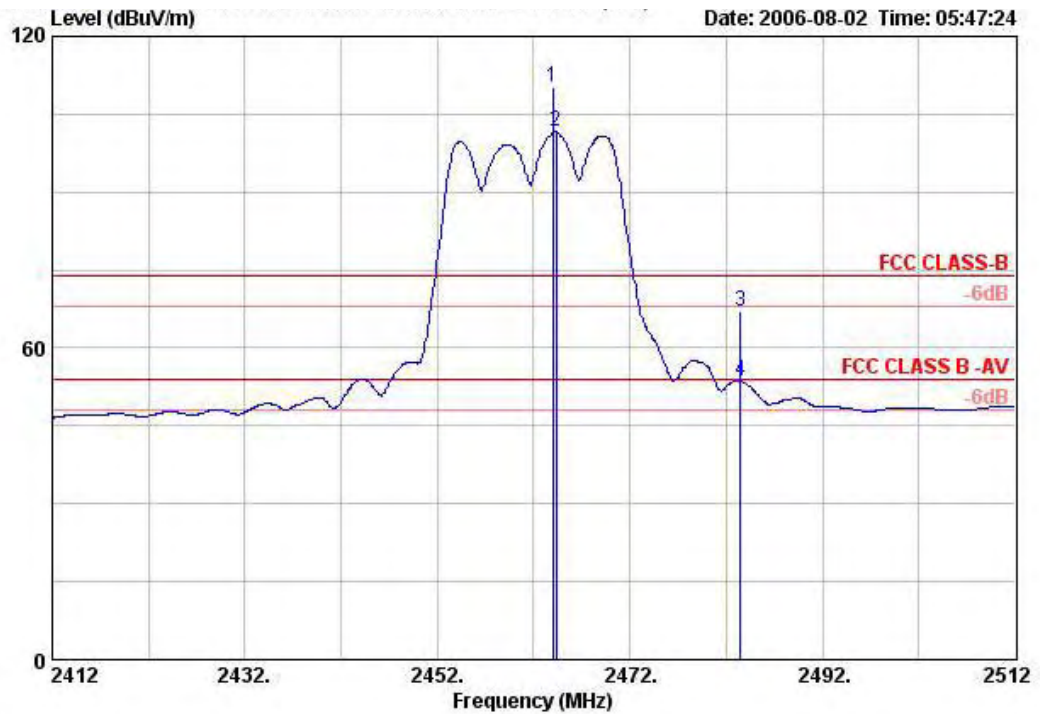
Channel 1



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2390.000	63.58	-10.42	74.00	31.94	28.88	2.76	0.00	PEAK	HORIZONTAL	3
2	2390.000	52.05	-1.95	54.00	20.41	28.88	2.76	0.00	AVERAGE	HORIZONTAL	3
3	2405.900	101.21			69.52	28.90	2.79	0.00	Average	HORIZONTAL	3
4	2415.800	109.52			77.83	28.90	2.79	0.00	PEAK	HORIZONTAL	3

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

Channel 11

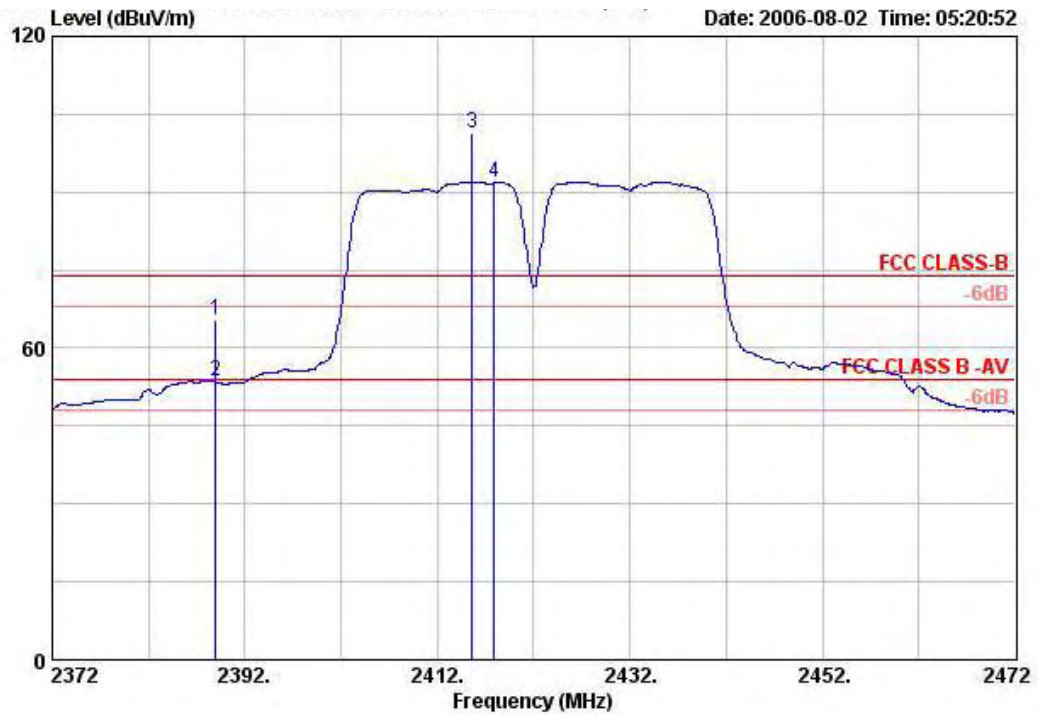


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2464.000	110.10			78.33	28.96	2.81	0.00	PEAK	HORIZONTAL	3
2	2464.300	101.56			69.79	28.96	2.81	0.00	Average	HORIZONTAL	3
3	2483.500	67.14	-6.86	74.00	35.33	28.98	2.84	0.00	PEAK	HORIZONTAL	3
4	2483.500	53.52	-0.48	54.00	21.70	28.98	2.84	0.00	AVERAGE	HORIZONTAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 3, 9 Ant. A

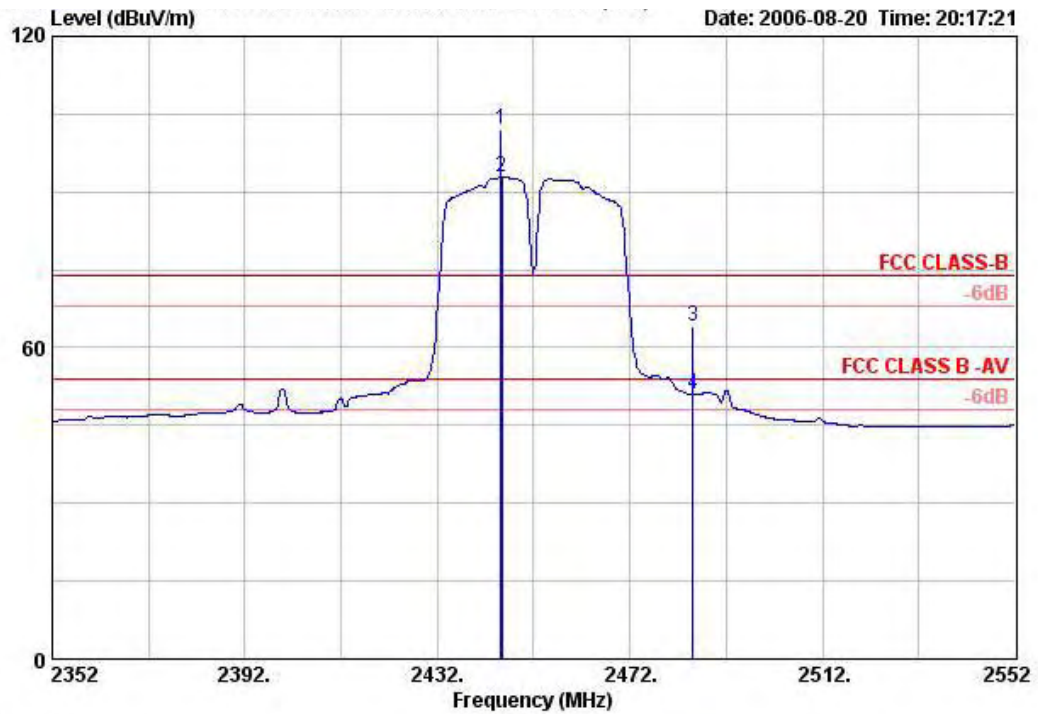
Channel 3



	Ereq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2389.000	65.32	-8.68	74.00	33.68	28.88	2.76	0.00	PEAK	HORIZONTAL	3
2	2389.000	53.49	-0.51	54.00	21.85	28.88	2.76	0.00	AVERAGE	HORIZONTAL	3
3	2415.600	101.31			69.63	28.90	2.79	0.00	PEAK	HORIZONTAL	3
4	2417.900	92.04			60.35	28.90	2.79	0.00	Average	HORIZONTAL	3

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

Channel 9

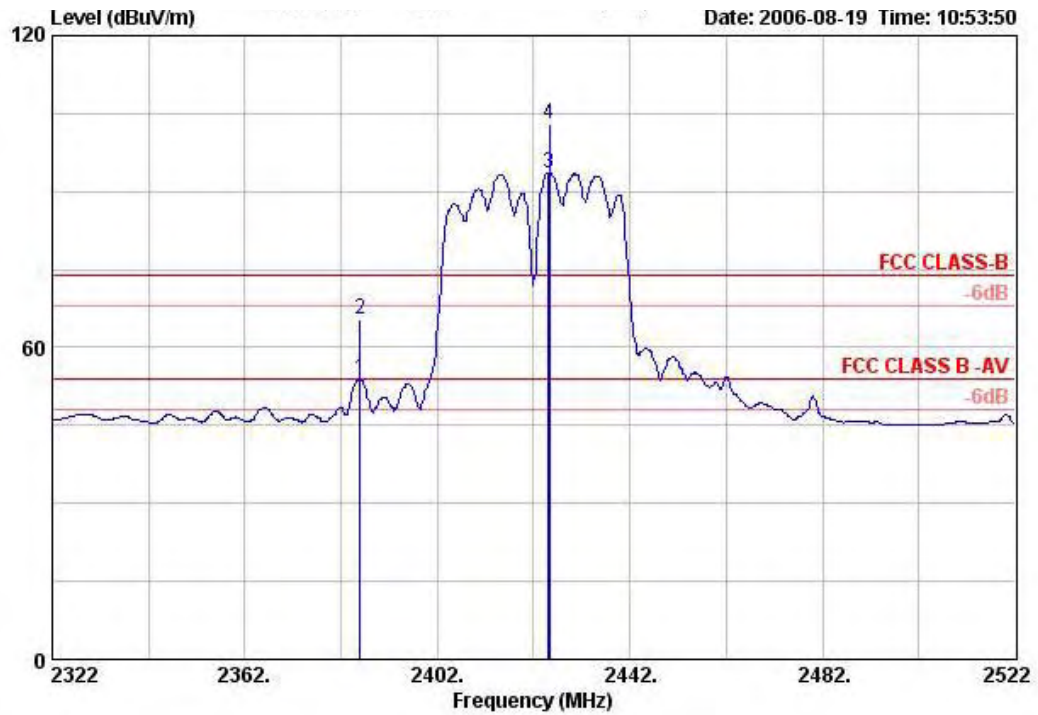


	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 over	2445.200	102.02			68.79	30.42	2.81	0.00	PEAK	VERTICAL	3
2 over	2445.400	92.91			59.68	30.42	2.81	0.00	Average	VERTICAL	3
3	2485.100	64.13	-9.87	74.00	30.88	30.41	2.84	0.00	PEAK	VERTICAL	3
4 !	2485.100	51.14	-2.86	54.00	17.89	30.41	2.84	0.00	AVERAGE	VERTICAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g 40MHz Channel 3, 9 Ant. A + Ant. B

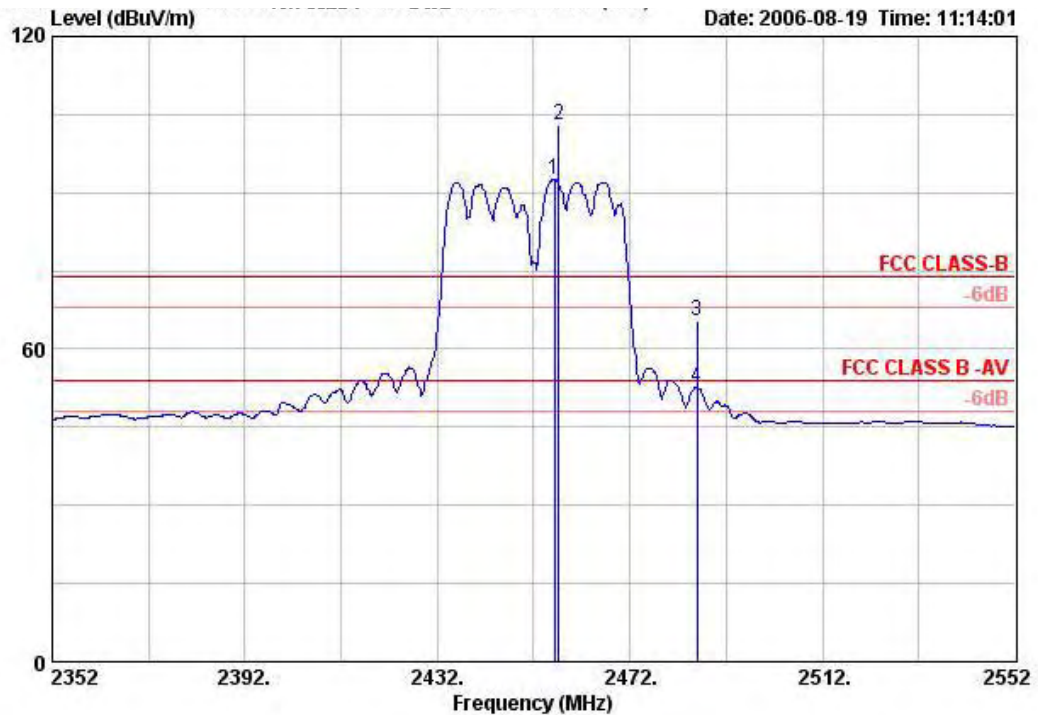
Channel 3



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2386.000	53.86	-0.14	54.00	20.65	30.44	2.76	0.00	AVERAGE	VERTICAL	3
2	2386.000	65.46	-8.54	74.00	32.26	30.44	2.76	0.00	PEAK	VERTICAL	3
3	2425.000	93.67			60.45	30.43	2.79	0.00	Average	VERTICAL	3
4	2425.200	102.98			69.77	30.43	2.79	0.00	PEAK	VERTICAL	3

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

Channel 9



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2456.400	92.57			59.34	30.41	2.81	0.00	Average	VERTICAL	3
2	2457.200	102.85			69.62	30.41	2.81	0.00	PEAK	VERTICAL	3
3	2485.900	65.47	-8.53	74.00	32.23	30.41	2.84	0.00	PEAK	VERTICAL	3
4	2485.900	52.73	-1.27	54.00	19.48	30.41	2.84	0.00	AVERAGE	VERTICAL	3

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

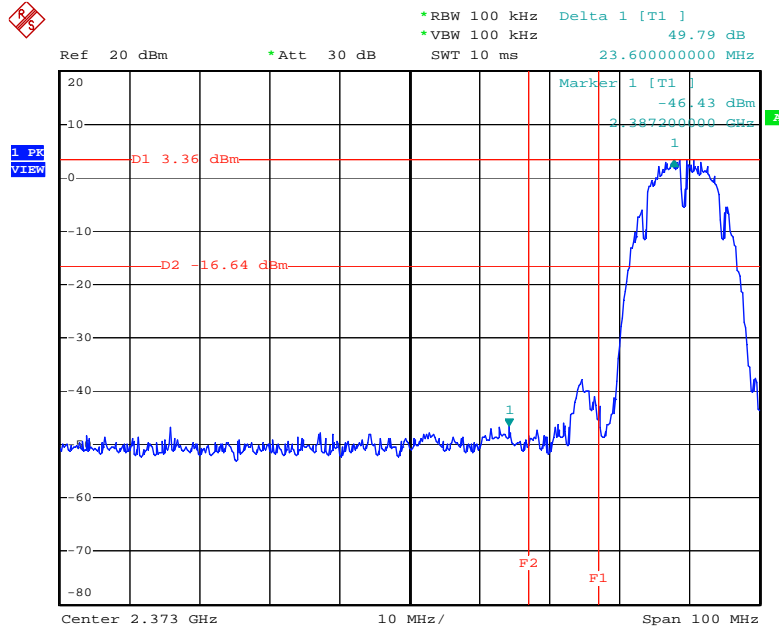
Note:

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

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

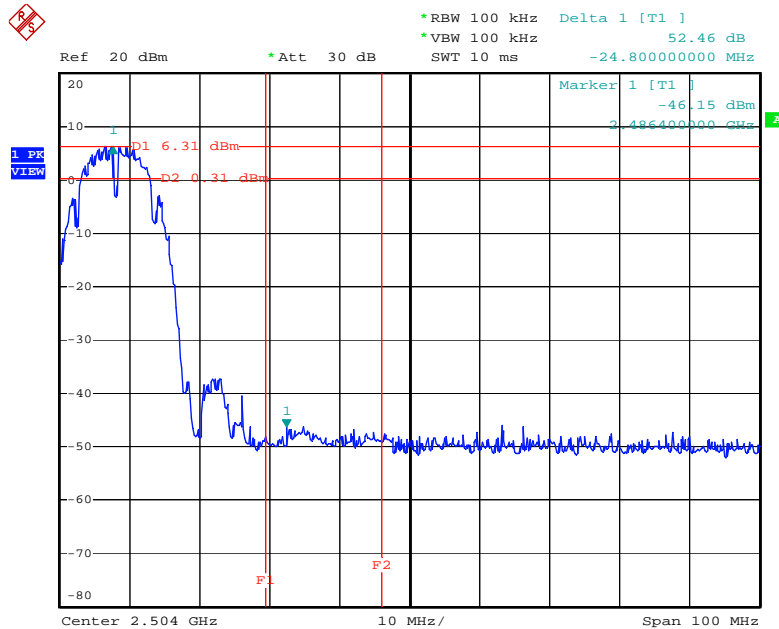
For Emission not in Restricted Band

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



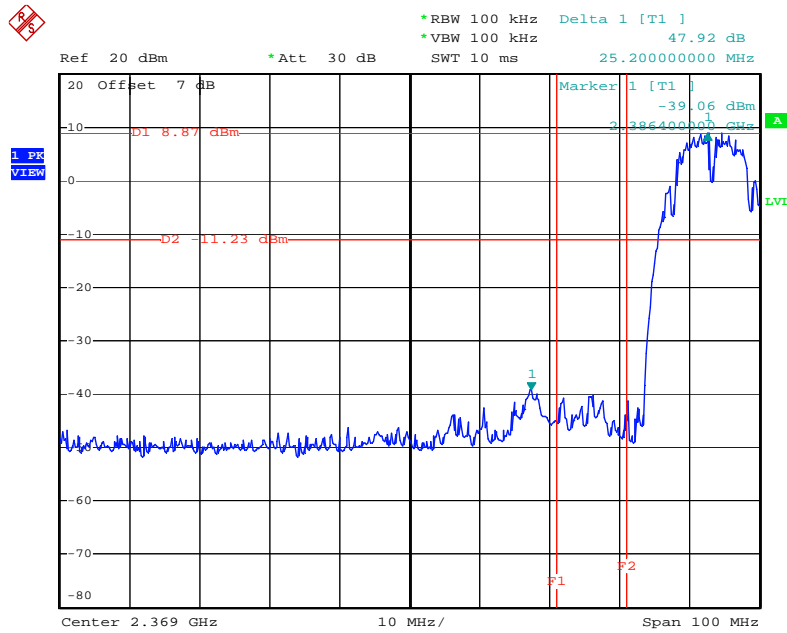
Date: 17.AUG.2006 08:29:03

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



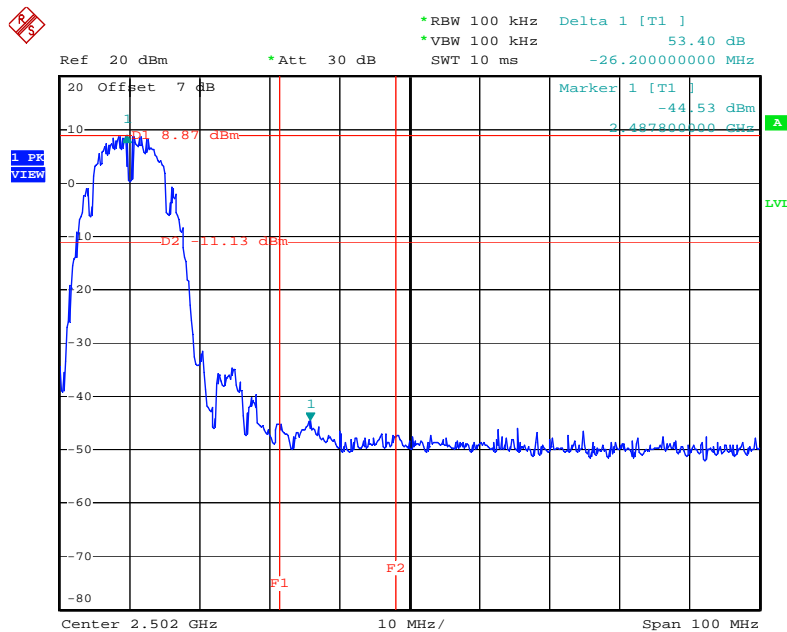
Date: 17.AUG.2006 08:32:42

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



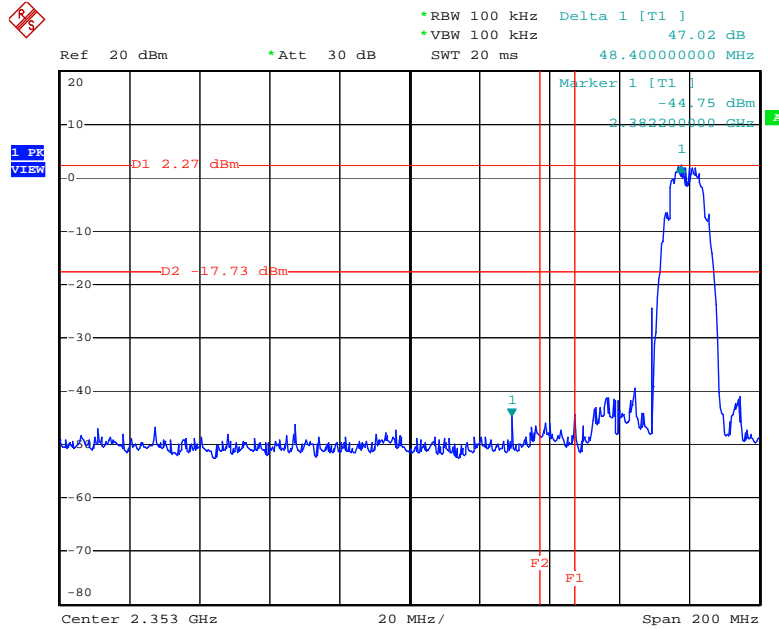
Date: 17.AUG.2006 04:42:08

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



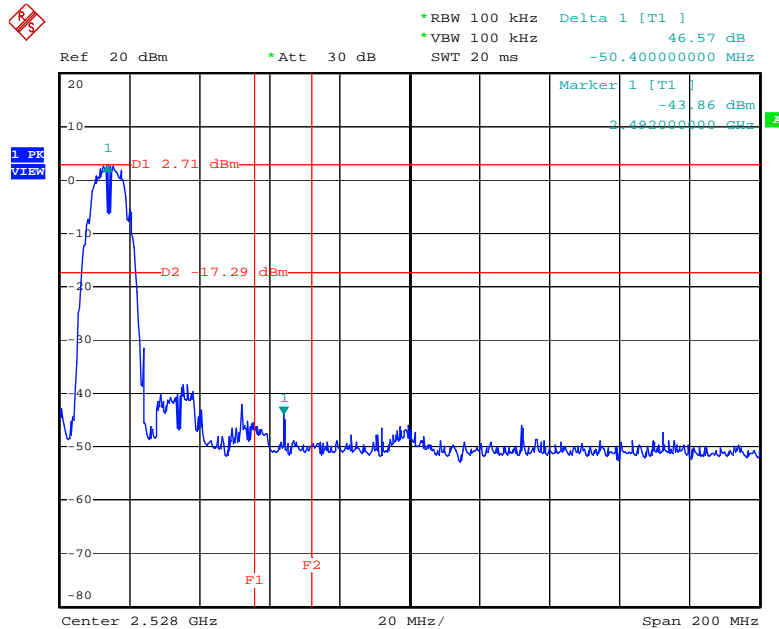
Date: 17.AUG.2006 04:52:24

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



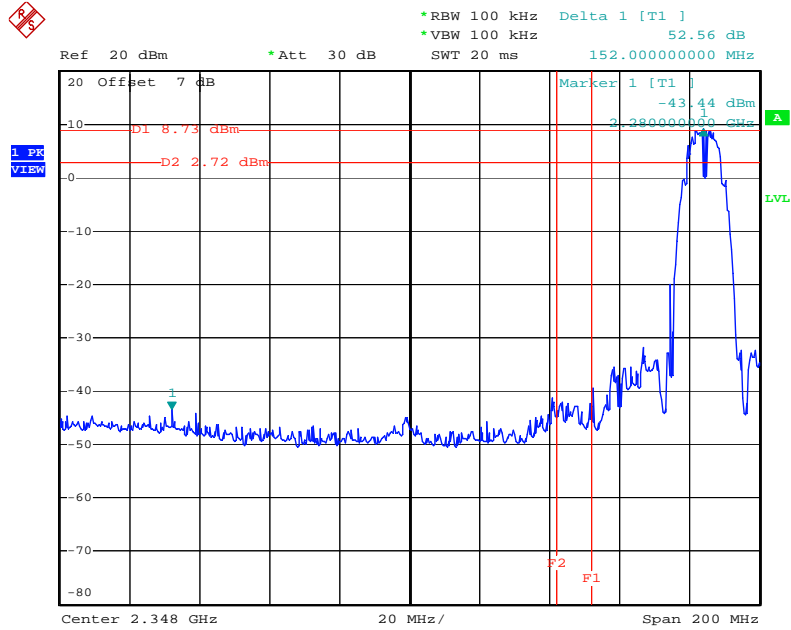
Date: 17.AUG.2006 08:49:33

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



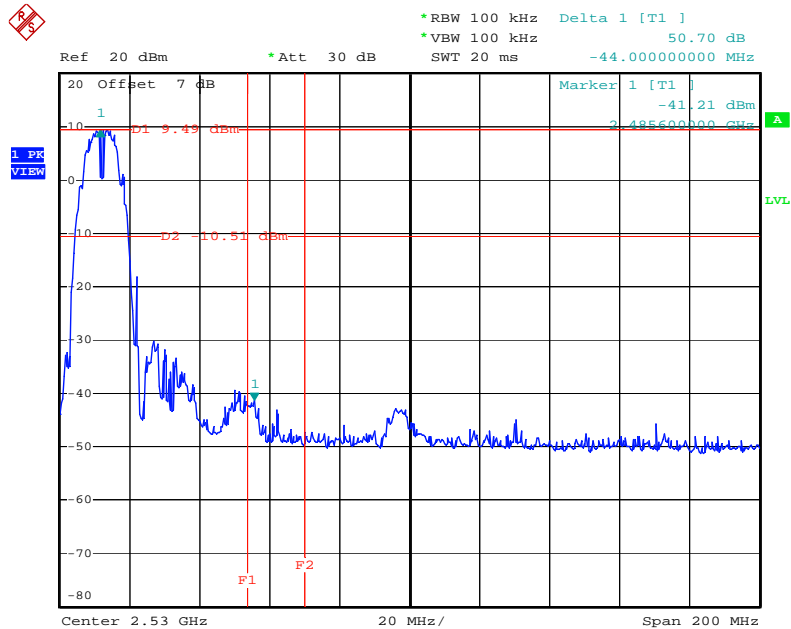
Date: 17.AUG.2006 08:56:37

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



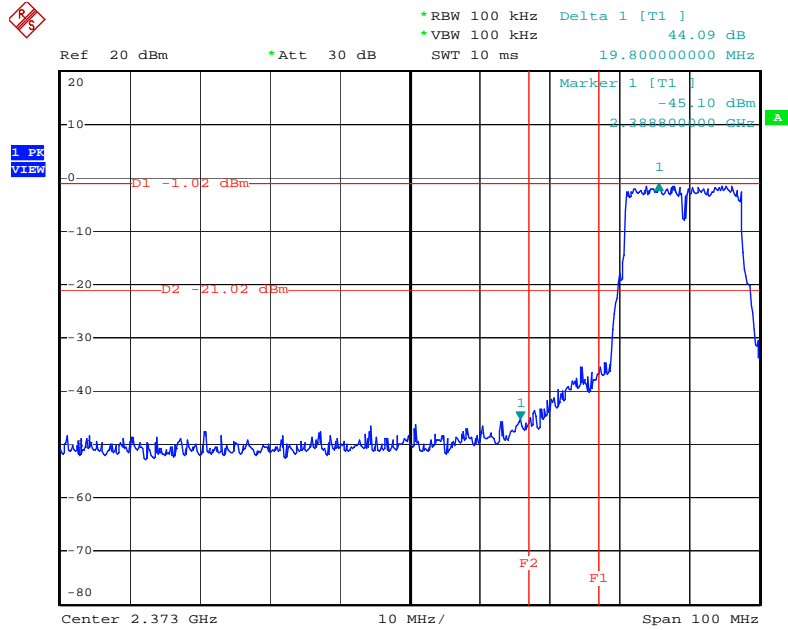
Date: 17.AUG.2006 05:00:34

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



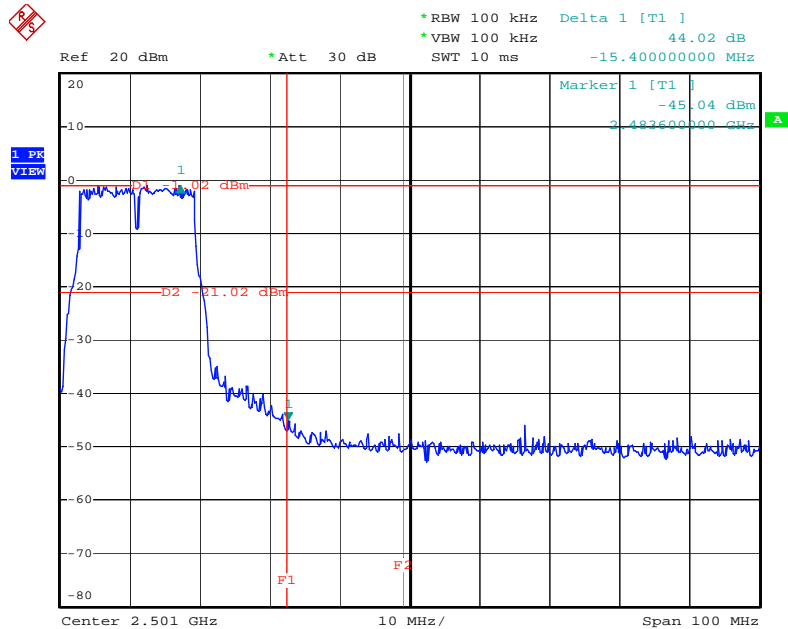
Date: 17.AUG.2006 05:08:42

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



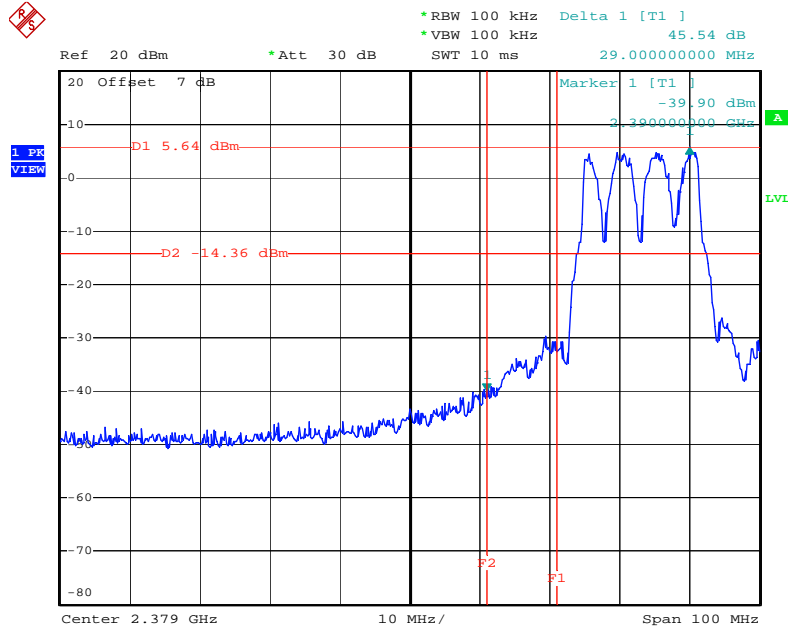
Date: 17.AUG.2006 09:20:59

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



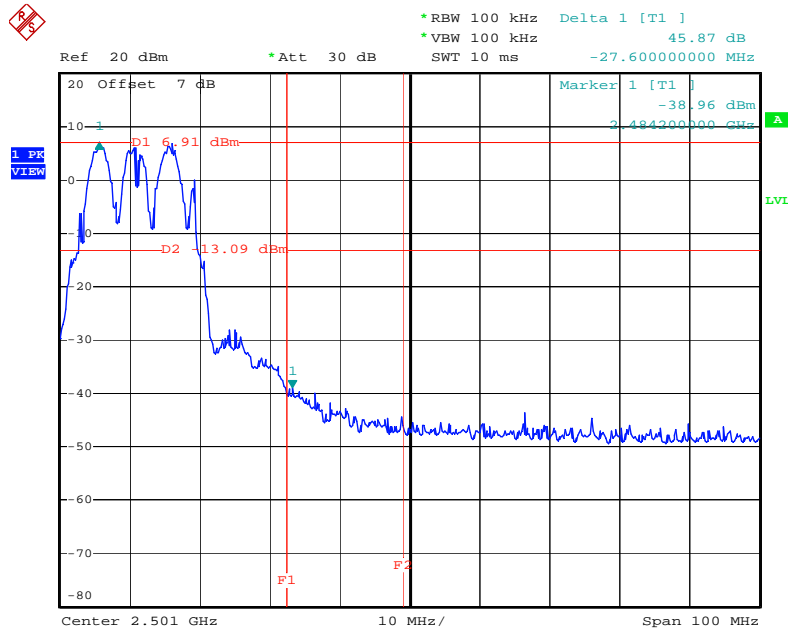
Date: 17.AUG.2006 09:36:46

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



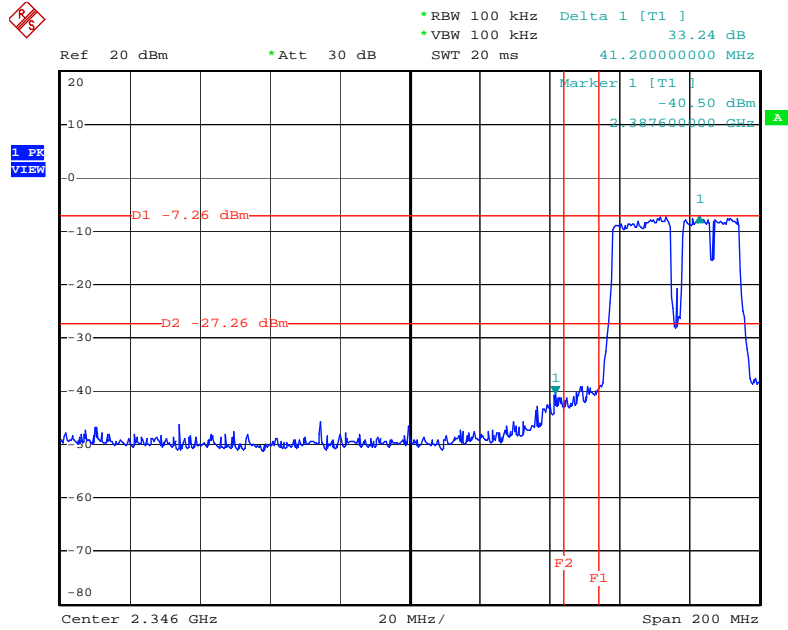
Date: 17.AUG.2006 05:43:37

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



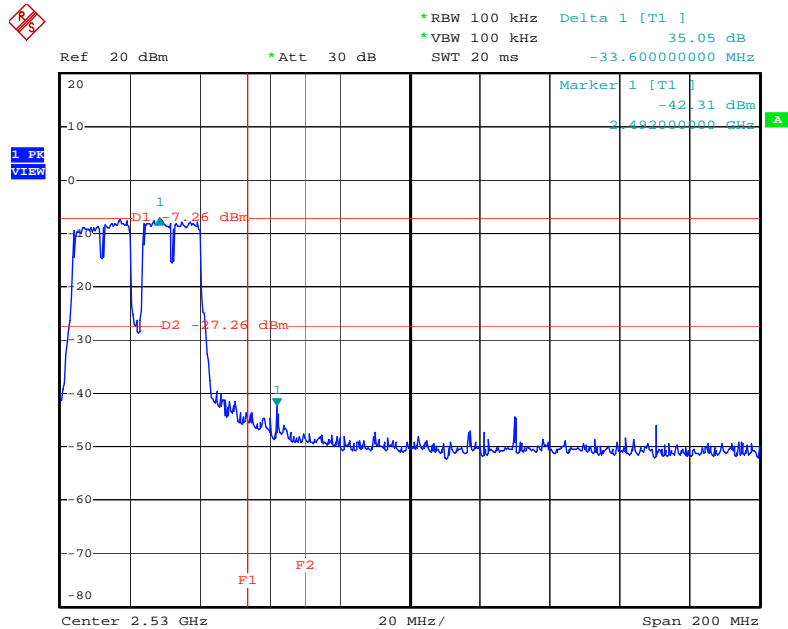
Date: 17.AUG.2006 05:51:40

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



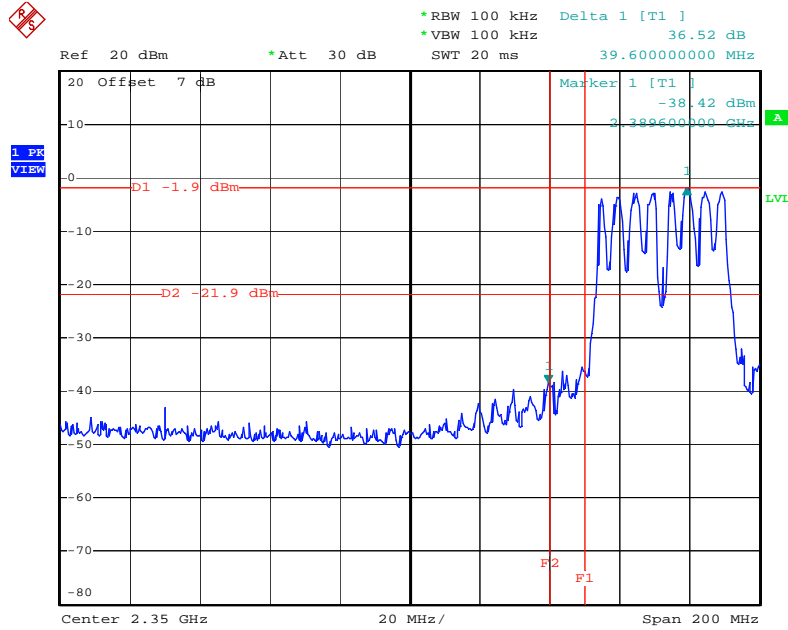
Date: 17.AUG.2006 09:05:42

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



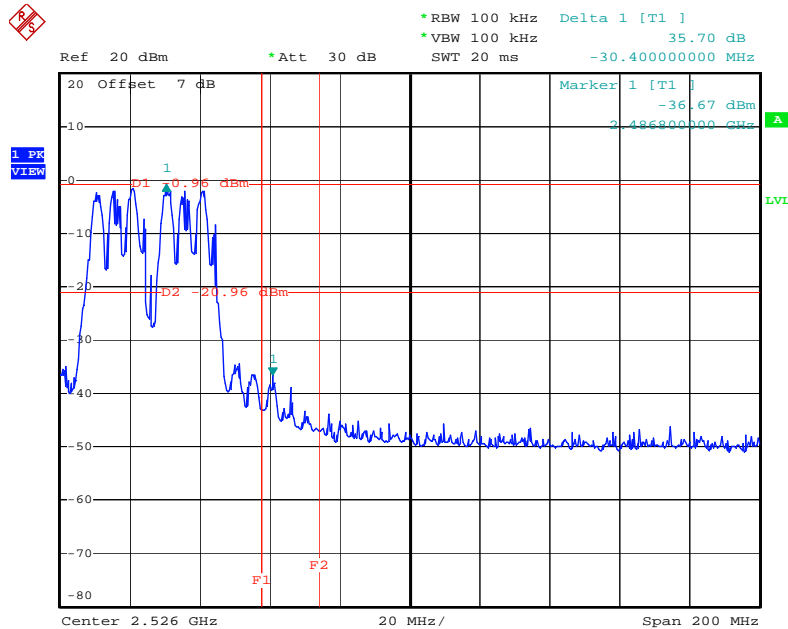
Date: 17.AUG.2006 09:10:39

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



Date: 17.AUG.2006 05:25:39

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



Date: 17.AUG.2006 05:29:43

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	3565	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. 30, 2005	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-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)

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
DC power source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Dec. 28, 2005	Conducted (TH01-HY)
Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Oct. 01, 2005	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

NVLAP[®]

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

*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:*

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

2006-01-01 through 2006-12-31
Effective dates



Wan P. Mah
For the National Institute of Standards and Technology

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