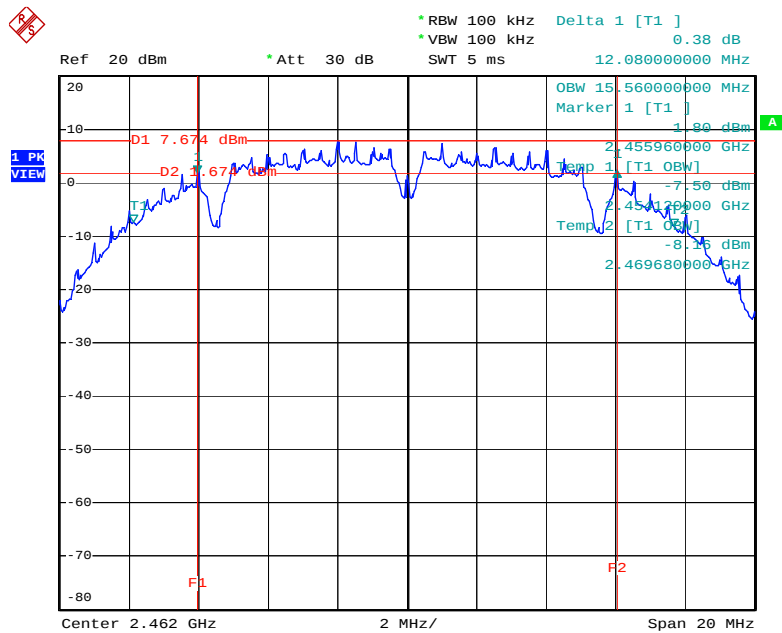
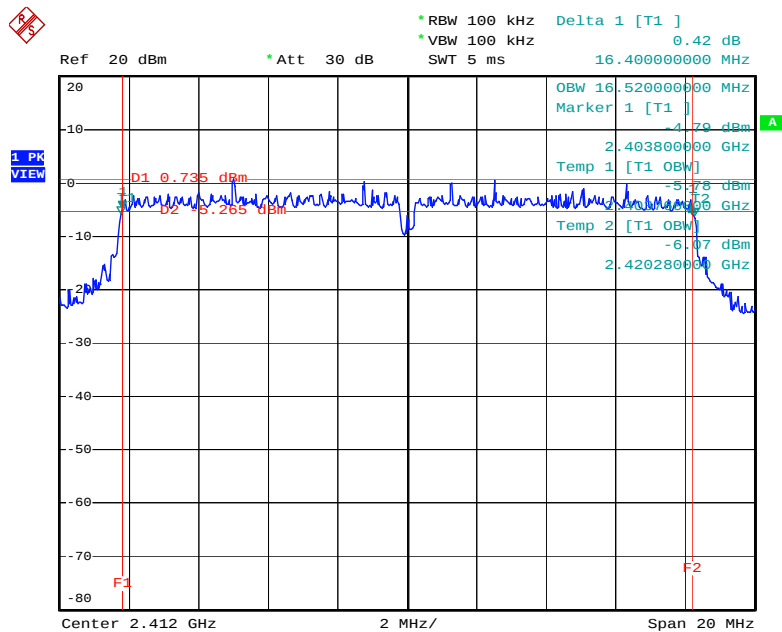


6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz



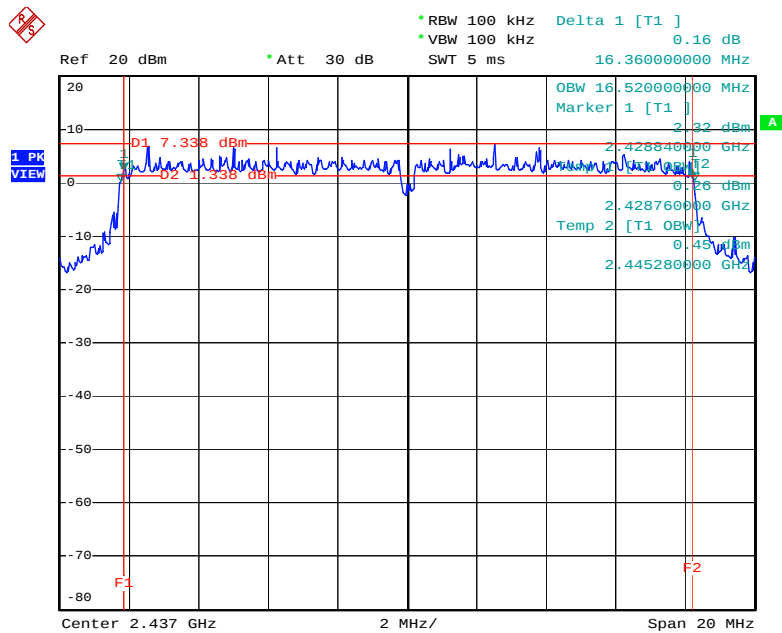
Date: 27.APR.2006 00:54:37

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz



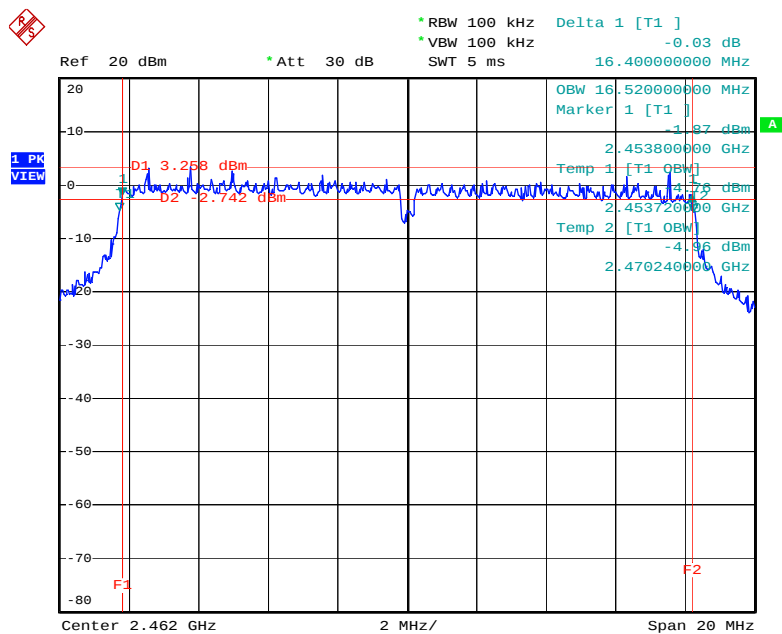
Date: 27.APR.2006 00:26:57

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz



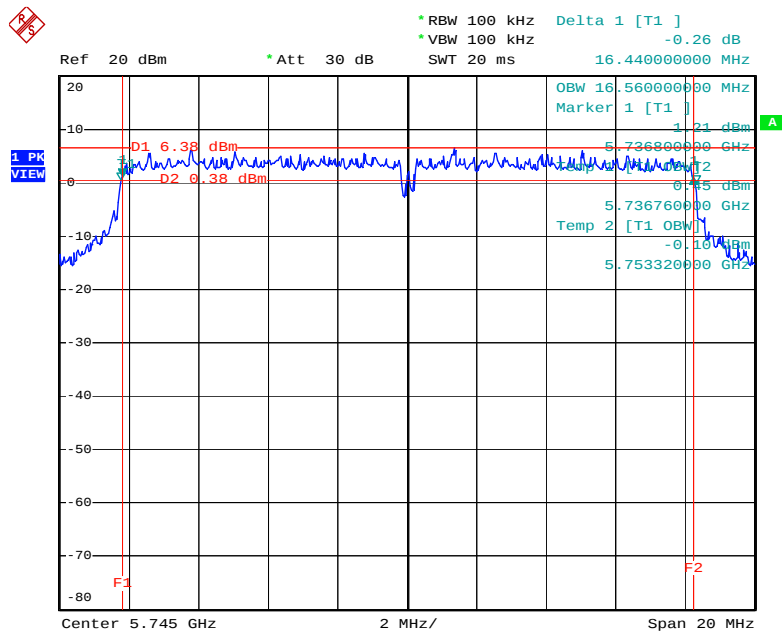
Date: 27.APR.2006 00:26:01

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz



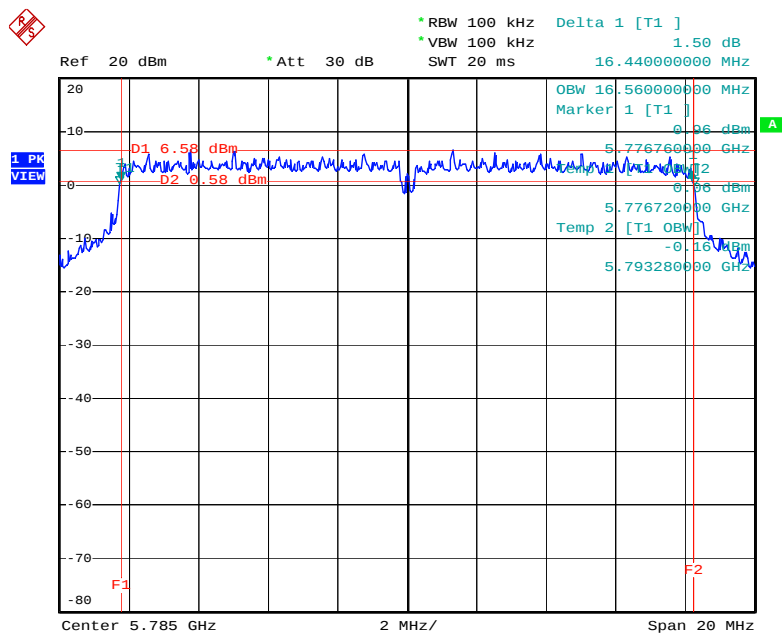
Date: 27.APR.2006 00:25:08

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5745 MHz



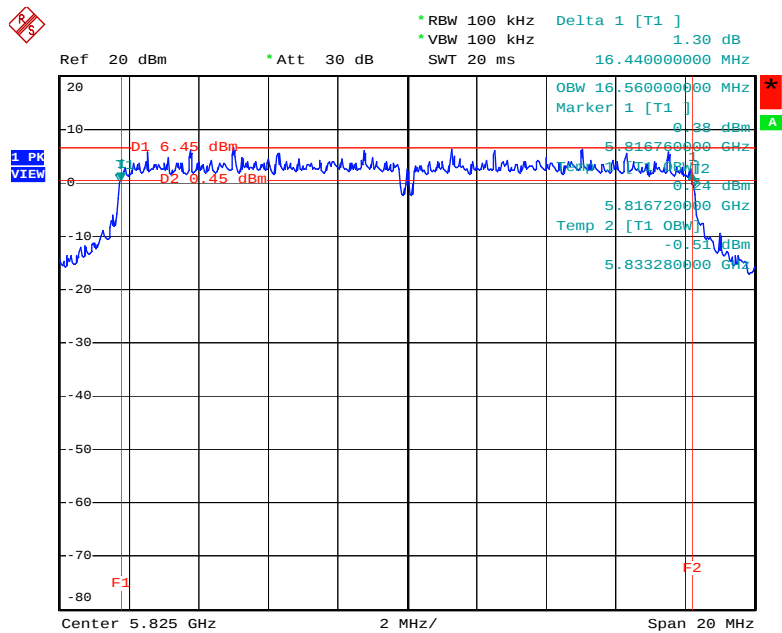
Date: 5.MAY.2006 18:43:34

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5785 MHz



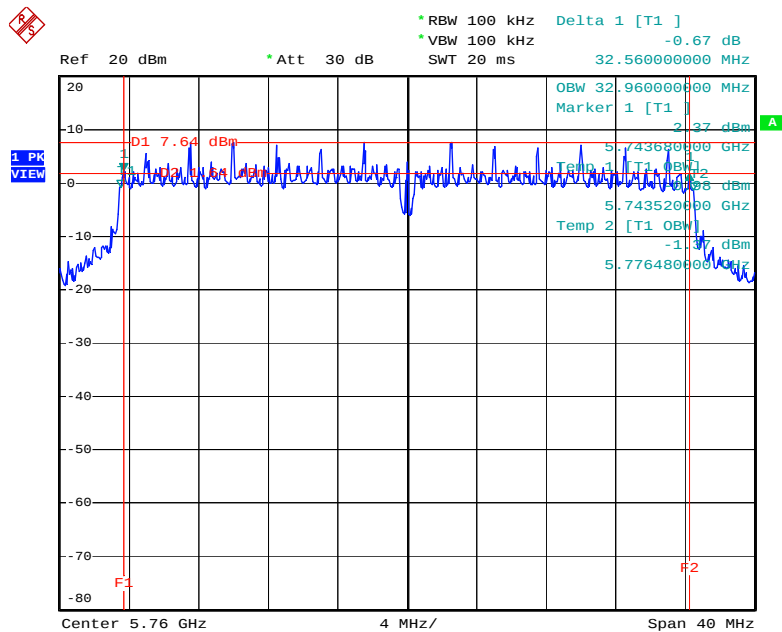
Date: 5.MAY.2006 18:46:13

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5825 MHz



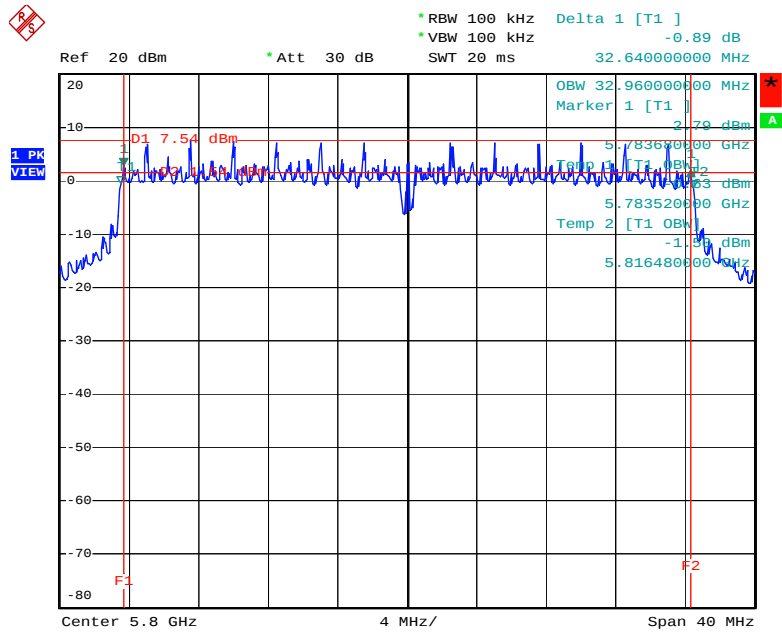
Date: 5.MAY.2006 18:49:21

6 dB Bandwidth Plot on Configuration IEEE 802.11a Turbo / 5760 MHz



Date: 5.MAY.2006 18:53:59

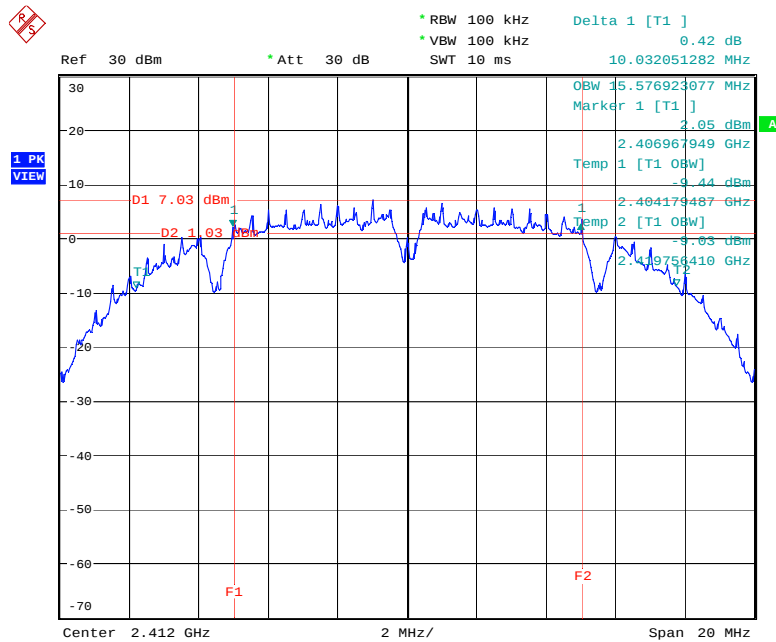
6 dB Bandwidth Plot on Configuration IEEE 802.11a Turbo / 5800 MHz



Date: 5.MAY.2006 18:50:15

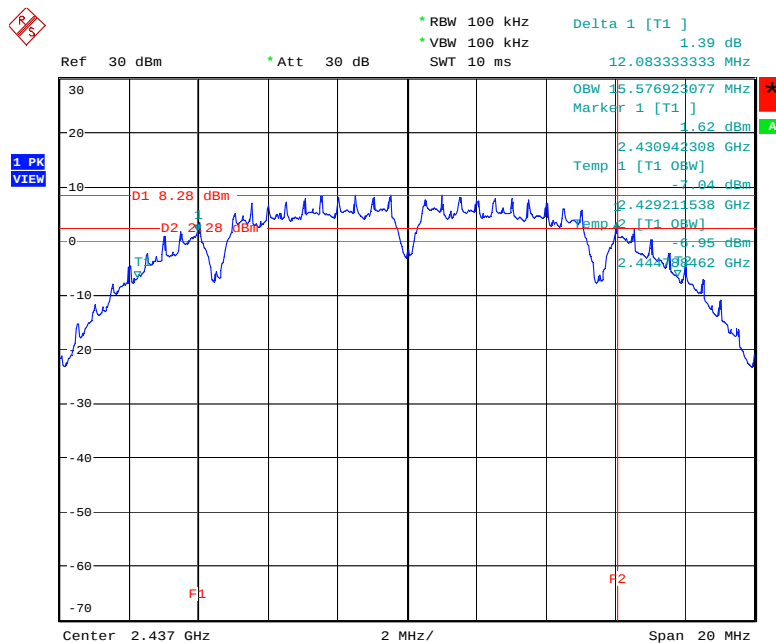
For Ant. 6

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz



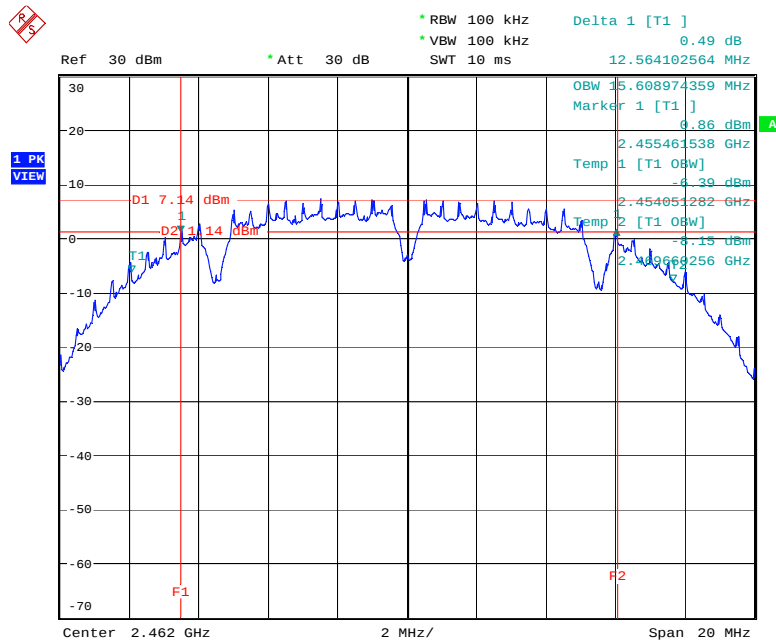
Date: 8.MAY.2006 11:59:43

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz



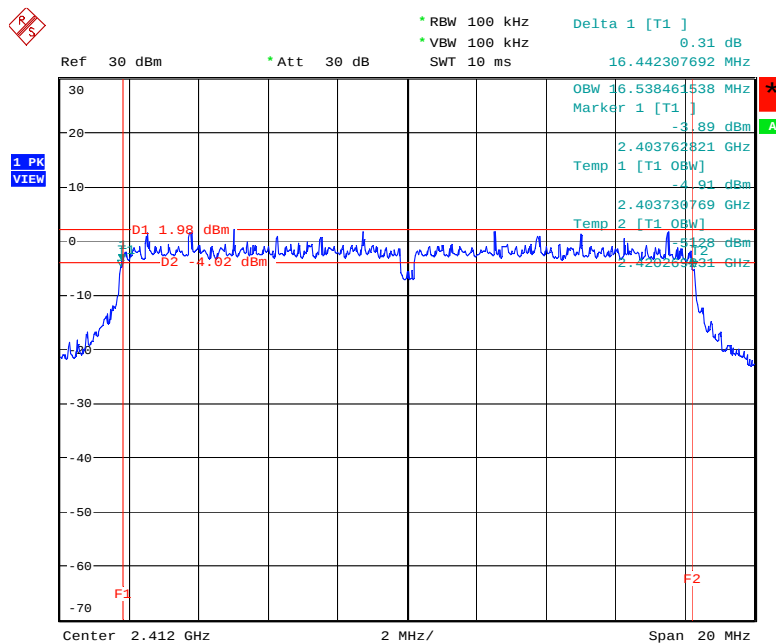
Date: 8.MAY.2006 12:05:47

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz



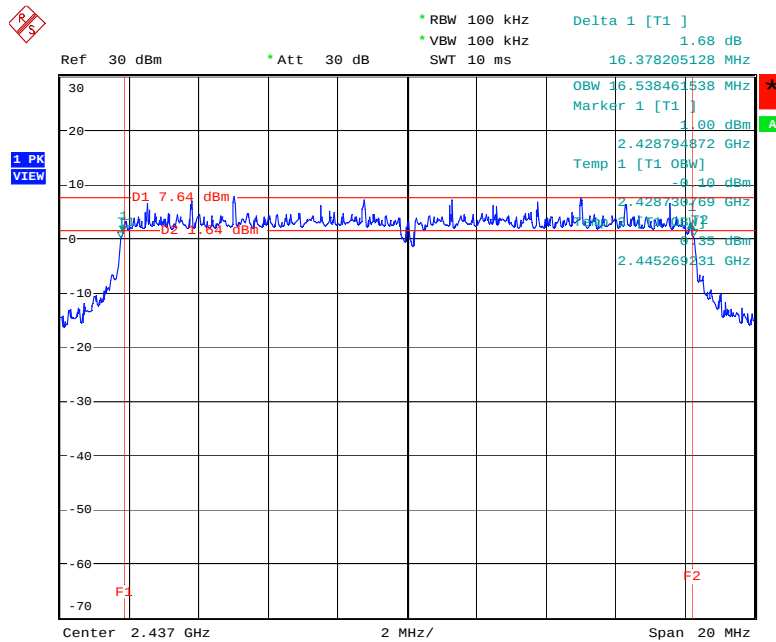
Date: 8.MAY.2006 12:18:08

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz



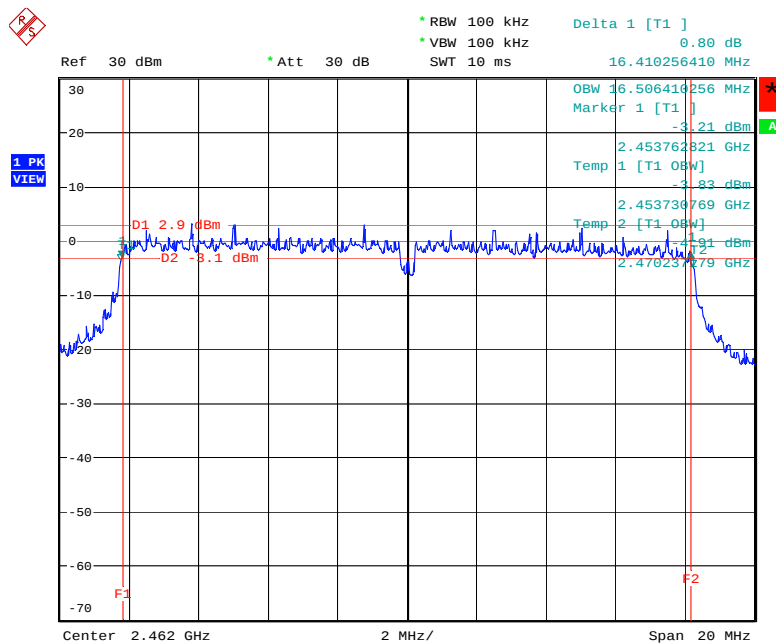
Date: 8.MAY.2006 12:34:19

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz



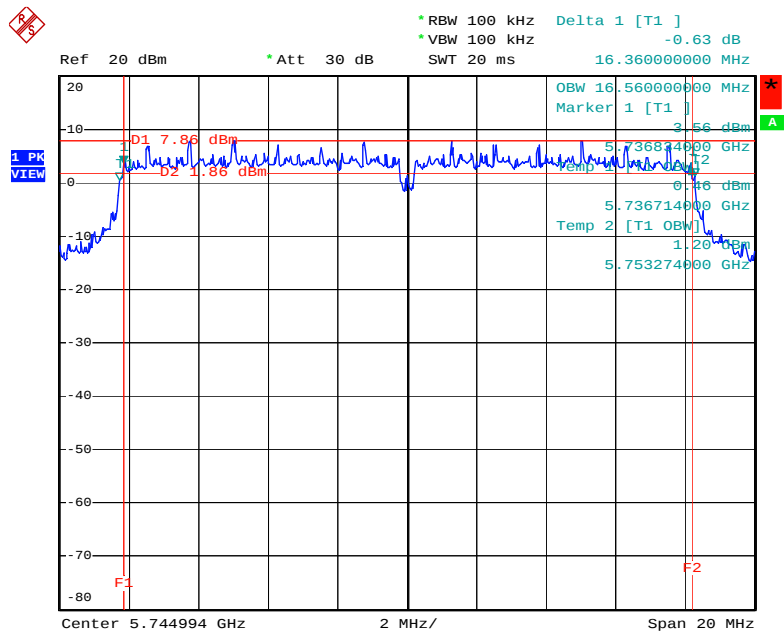
Date: 8.MAY.2006 12:35:24

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz



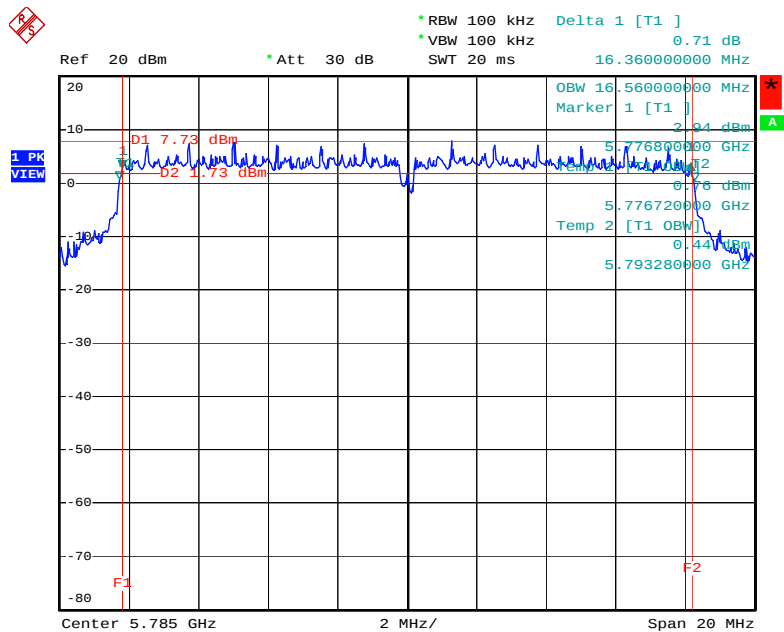
Date: 8.MAY.2006 12:38:41

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5745 MHz



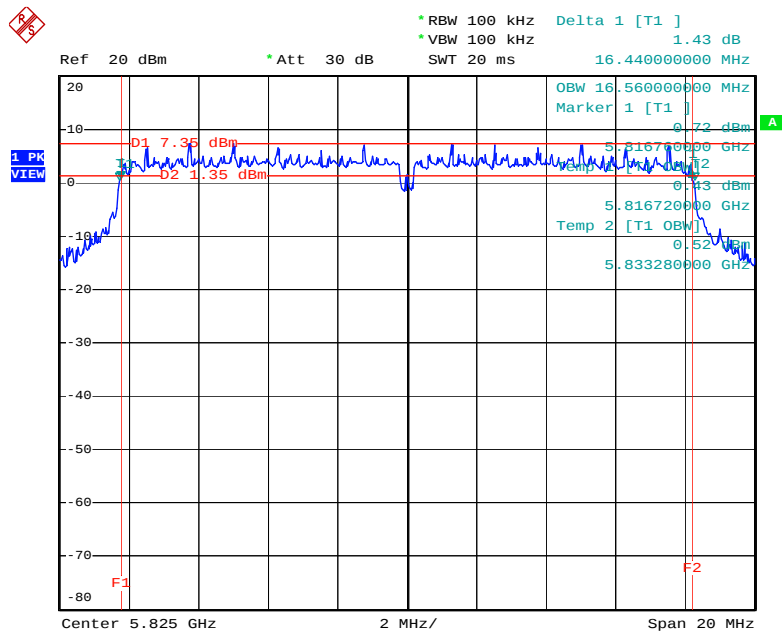
Date: 4.MAY.2006 23:10:44

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5785 MHz



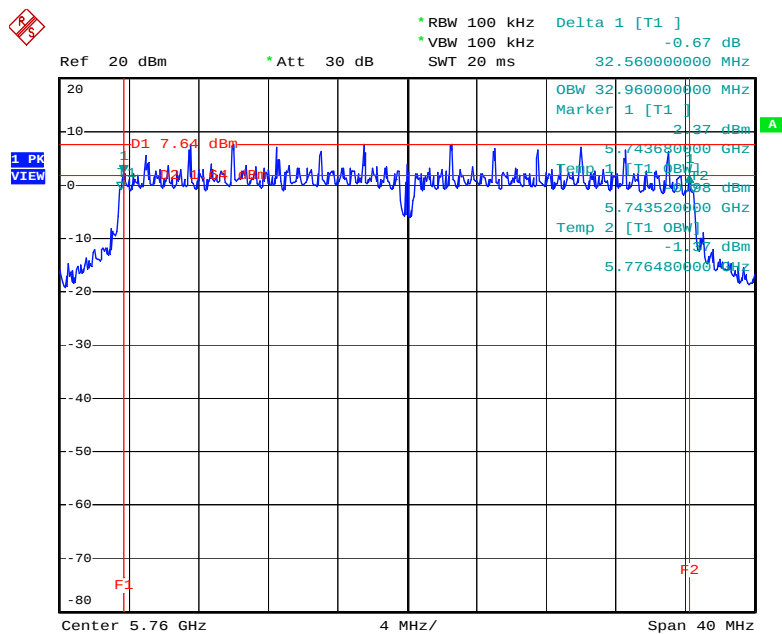
Date: 4.MAY.2006 23:07:55

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5825 MHz



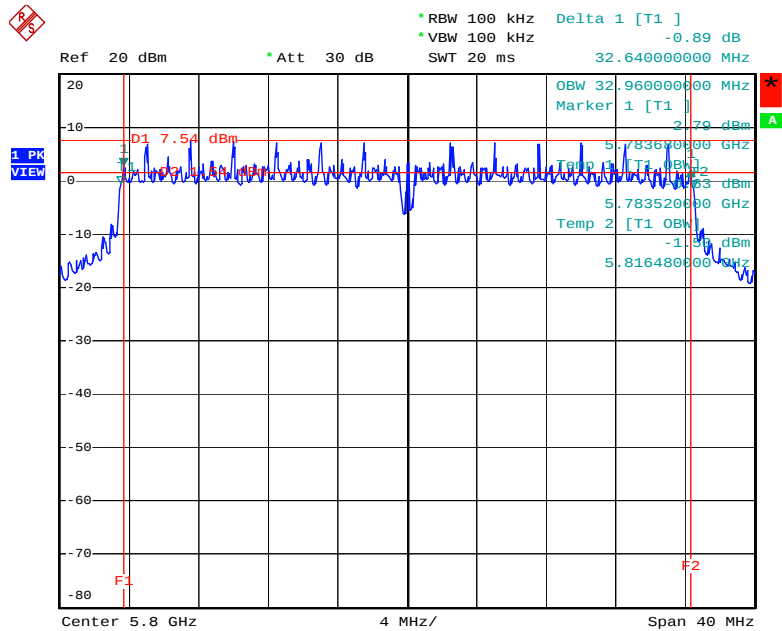
Date: 4.MAY.2006 22:50:38

6 dB Bandwidth Plot on Configuration IEEE 802.11a Turbo / 5760 MHz



Date: 5.MAY.2006 18:53:59

6 dB Bandwidth Plot on Configuration IEEE 802.11a Turbo / 5800 MHz



Date: 5.MAY.2006 18:50:15

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 (microvolts/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 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 (other emission)	100KHz / 100KHz for peak

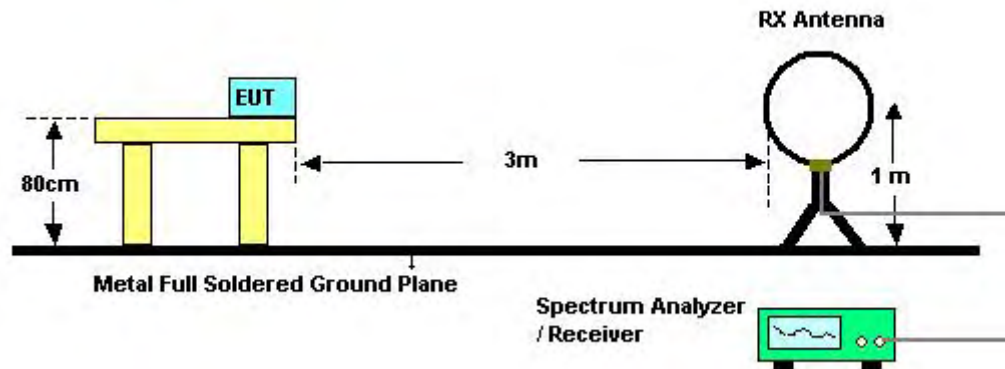
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.5.3. Test Procedures

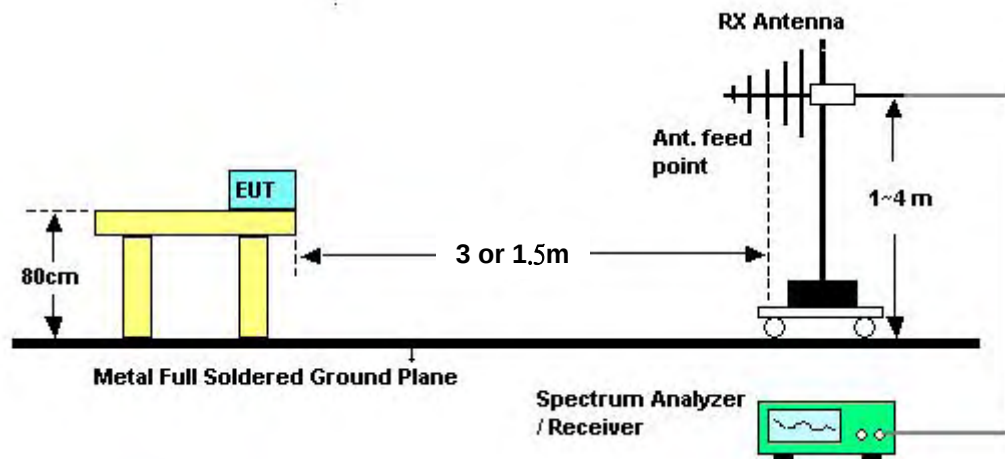
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting 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 from 3m to 1.5m.

Distance extrapolation factor = $20 \log (\text{specific distance [3m]} / \text{test distance [1.5m]})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 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	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / 802.11a Channel 157

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.

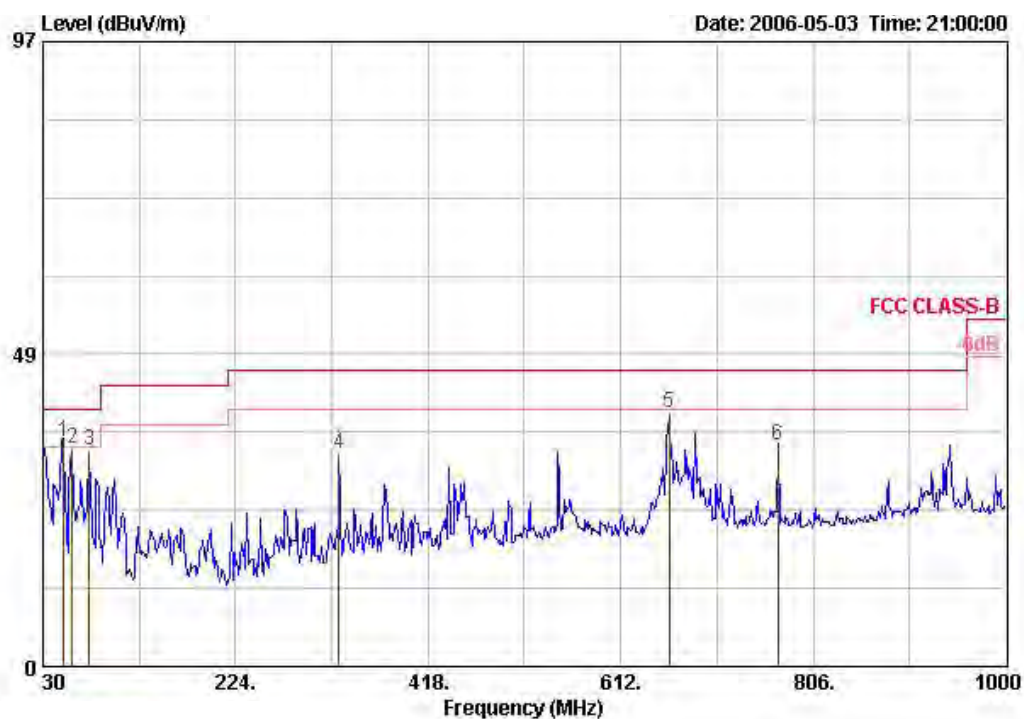
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

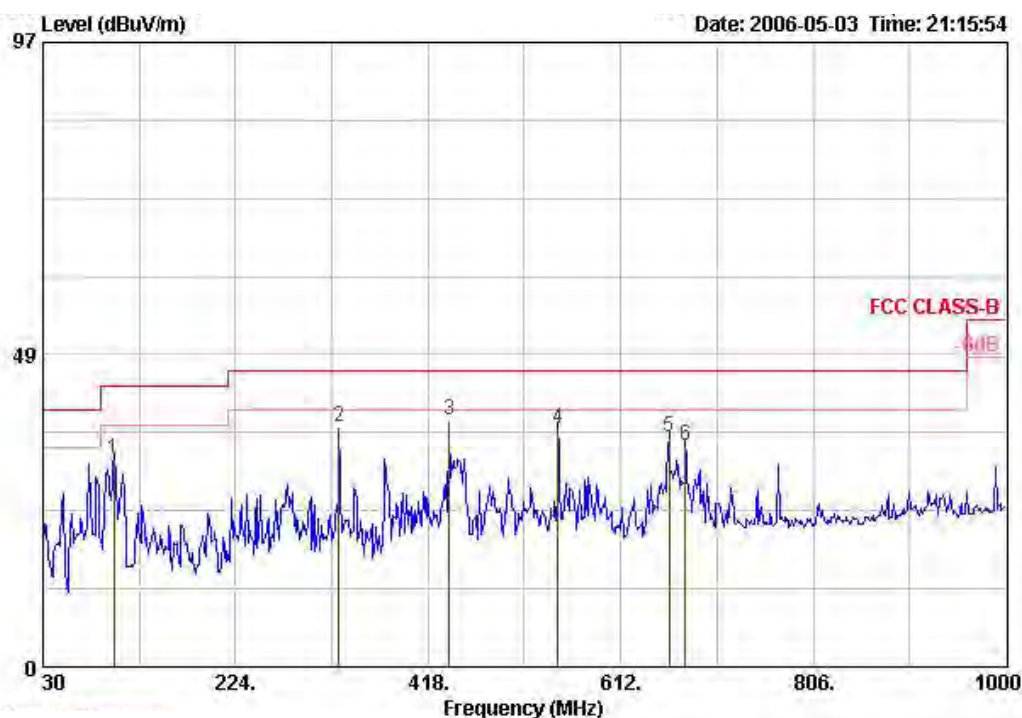
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 1

Vertical



	Freq	Level	Over Limit	Antenna Line Factor	Cable Loss Factor	Preamp Gain Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1 @	51.340	34.94	-5.06	40.00	7.35	0.61	29.83	56.81 Peak	---	---
2	59.500	33.87	-6.13	40.00	5.45	0.65	29.86	57.63 Peak	---	---
3	76.900	33.59	-6.41	40.00	6.20	0.70	29.97	56.66 Peak	---	---
4	327.790	33.06	-12.94	46.00	13.82	1.43	30.48	48.29 Peak	---	---
5	660.500	39.45	-6.55	46.00	18.90	2.05	30.34	48.84 Peak	---	---
6	770.110	34.45	-11.56	46.00	19.92	2.19	30.09	42.42 Peak	---	---

Horizontal



	Freq	Level	Over Limit	Antenna Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	101.780	32.30	-11.20	43.50	10.76	0.81	30.09	50.82	Peak	---	---
2	327.790	37.17	-8.83	46.00	13.82	1.43	30.48	52.40	Peak	---	---
3	439.340	38.33	-7.67	46.00	16.31	1.65	30.46	50.83	Peak	---	---
4	548.950	36.94	-9.06	46.00	18.28	1.87	30.63	47.41	Peak	---	---
5	660.500	35.78	-10.22	46.00	18.90	2.05	30.34	45.18	Peak	---	---
6	676.990	34.28	-11.72	46.00	18.94	2.08	30.37	43.63	Peak	---	---

Note:

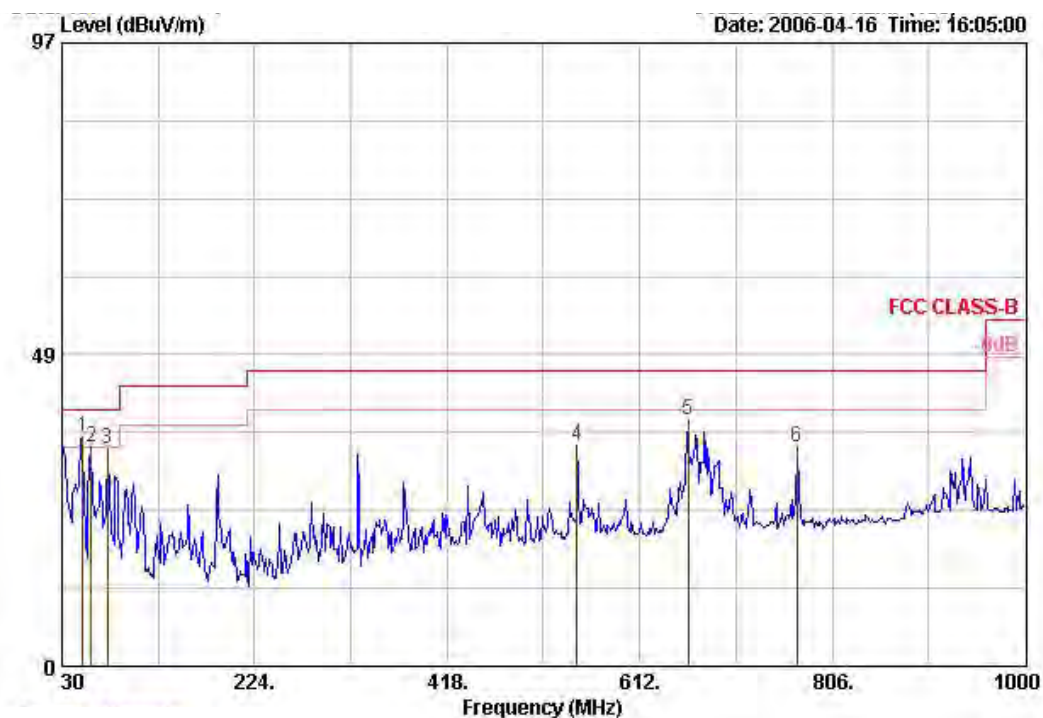
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

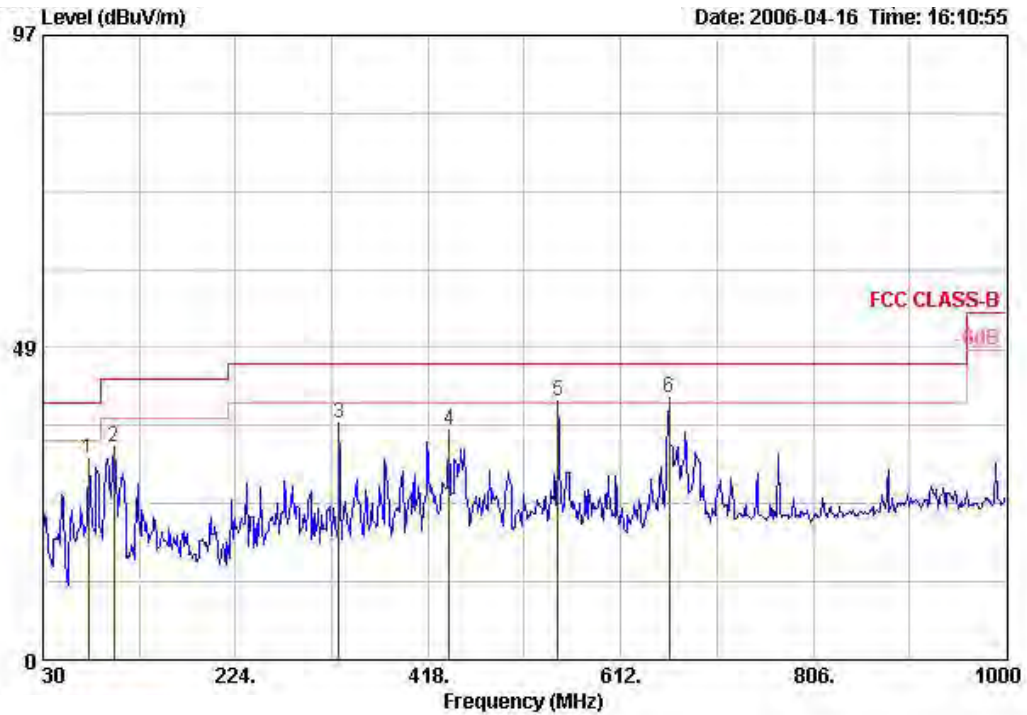
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 1

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	51.340	35.55	-4.45	40.00	7.35	0.61	29.83	57.42	Peak	---	---
2 @	59.100	34.06	-5.94	40.00	5.45	0.65	29.86	57.83	Peak	---	---
3 @	75.590	33.93	-6.07	40.00	6.20	0.70	29.97	56.99	Peak	---	---
4 @	548.950	34.24	-11.76	46.00	18.28	1.87	30.63	44.71	Peak	---	---
5 @	660.500	38.30	-7.70	46.00	18.90	2.05	30.34	47.69	Peak	---	---
6 @	770.110	34.11	-11.89	46.00	19.92	2.19	30.09	42.09	Peak	---	---

Horizontal



	Freq	Level	Over Limit	Antenna Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	75.590	31.25	-8.75	40.00	6.20	0.70	29.97	54.32	Peak	---	---
2 @	101.780	33.07	-10.43	43.50	10.76	0.81	30.09	51.59	Peak	---	---
3 @	327.790	36.64	-9.36	46.00	13.82	1.43	30.48	51.87	Peak	---	---
4 @	439.340	35.60	-10.40	46.00	16.31	1.65	30.46	48.11	Peak	---	---
5 @	548.950	40.06	-5.94	46.00	18.28	1.87	30.63	50.54	Peak	---	---
6 @	660.500	40.79	-5.21	46.00	18.90	2.05	30.34	50.18	Peak	---	---

Note:

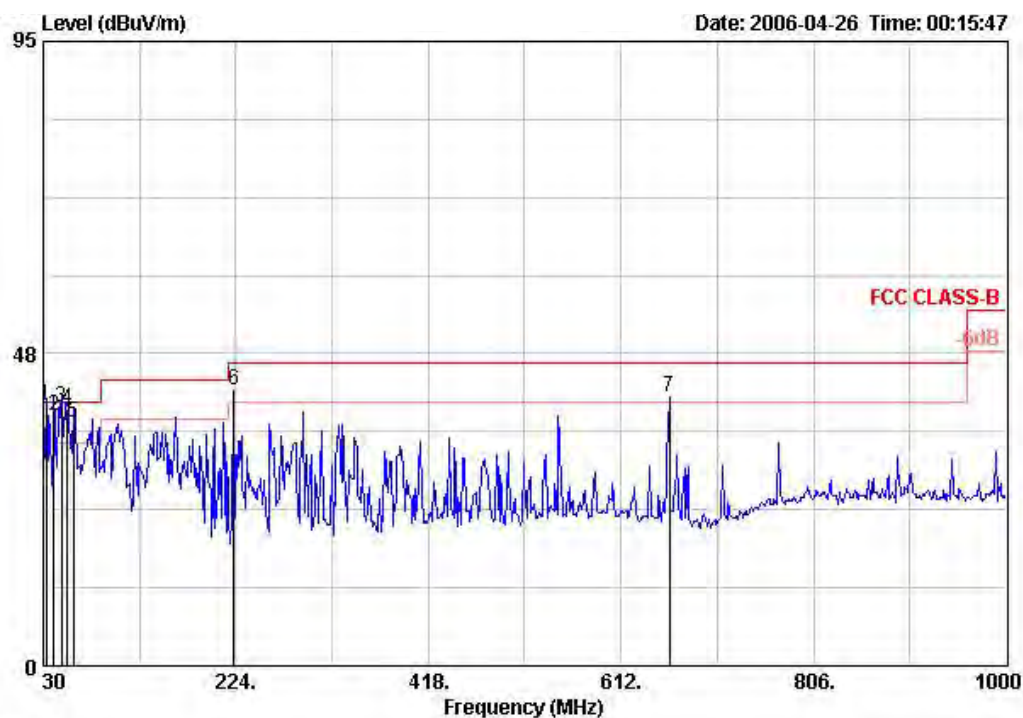
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

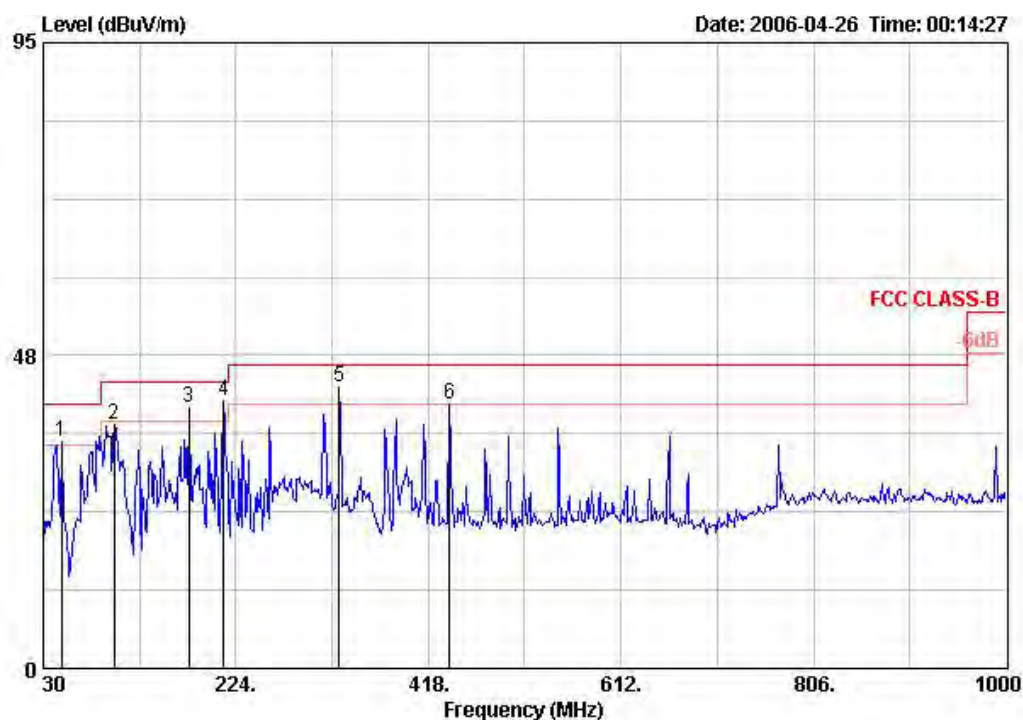
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 2

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark		m
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	32.910	39.66	-0.34	40.00	54.15	16.25	0.93	31.68 QP	VERTICAL	3
2	40.670	38.07	-1.93	40.00	54.82	13.91	1.10	31.77 QP	VERTICAL	3
3	48.430	39.34	-0.66	40.00	59.28	10.79	1.10	31.83 QP	VERTICAL	3
4	54.250	39.18	-0.82	40.00	60.61	9.03	1.23	31.69 QP	VERTICAL	3
5	60.070	37.09	-2.91	40.00	60.26	7.22	1.40	31.79 QP	VERTICAL	3
6	222.060	41.92	-4.08	46.00	59.98	11.22	2.12	31.40 Peak	VERTICAL	3
7	660.500	40.77	-5.23	46.00	50.05	17.55	3.52	30.35 Peak	VERTICAL	3

Horizontal



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Distance
			dB	dBuV/m	dBuV	dB/m	dB	dB		m
1 @	48.430	34.36	-5.64	40.00	54.30	10.79	1.10	31.83	Peak	3
2 @	101.780	36.96	-6.54	43.50	55.81	11.37	1.50	31.71	Peak	3
3 @	176.470	39.52	-3.98	43.50	59.25	9.89	2.00	31.62	Peak	3
4 @	211.390	40.64	-2.86	43.50	59.55	10.45	2.06	31.42	Peak	3
5 @	327.790	42.59	-3.41	46.00	56.54	15.02	2.31	31.28	Peak	3
6 @	439.340	40.22	-5.79	46.00	50.80	17.50	2.86	30.94	Peak	3

Note:

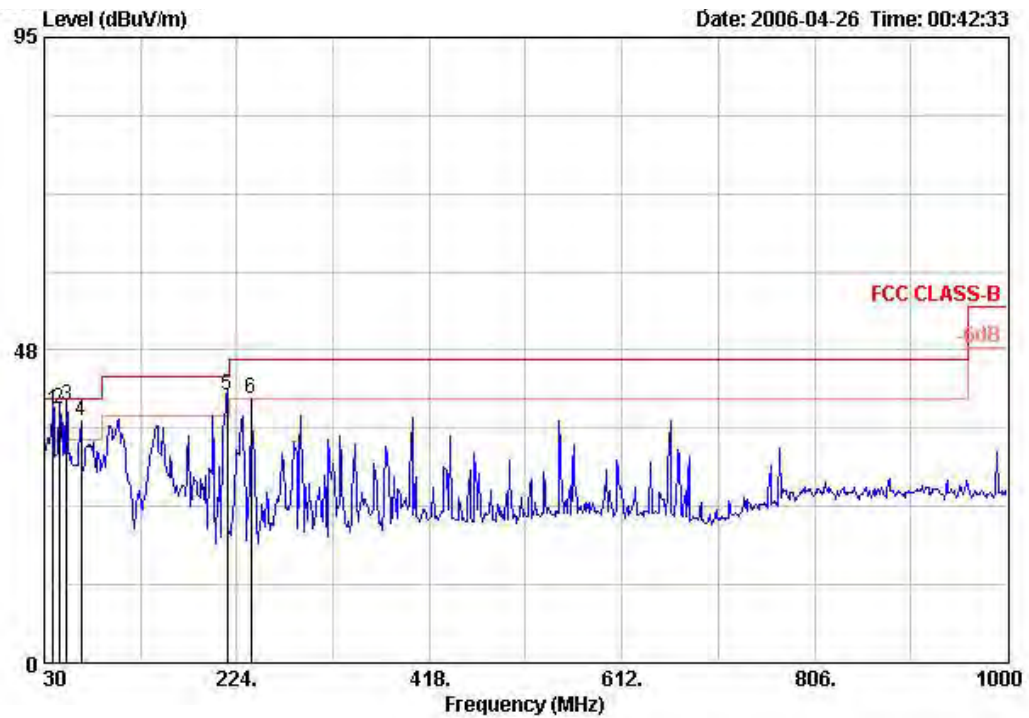
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

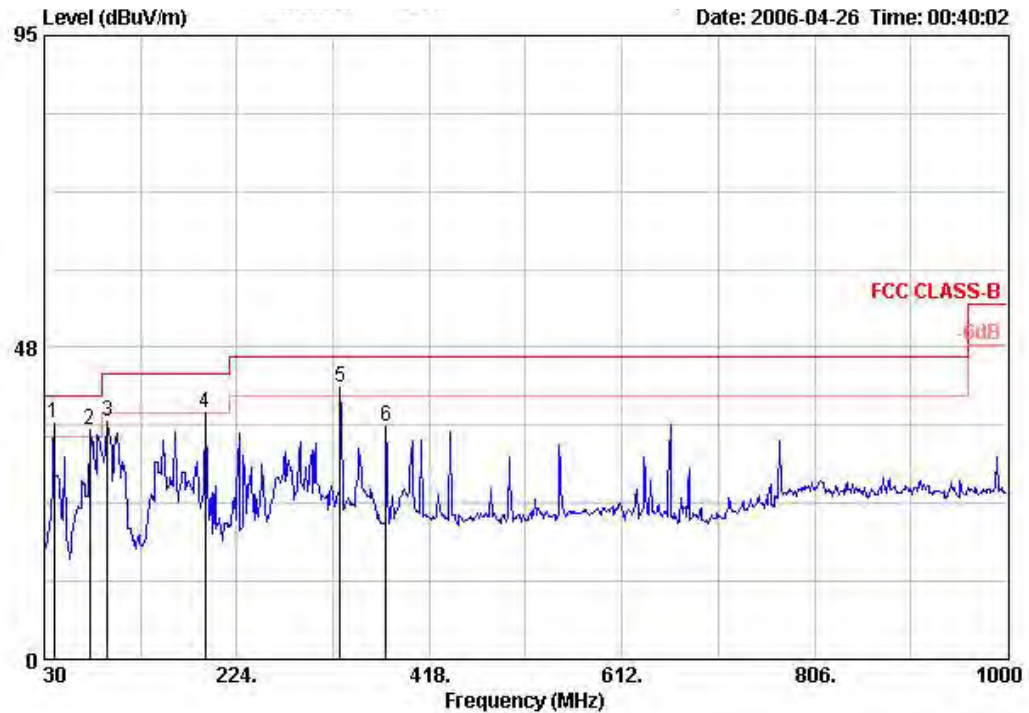
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 2

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	38.730	38.43	-1.57	40.00	54.29	14.74	1.15	31.75	QP	VERTICAL	3
2	44.550	38.70	-1.30	40.00	57.43	11.92	1.10	31.75	QP	VERTICAL	3
3	52.310	39.09	-0.91	40.00	60.08	9.63	1.17	31.78	QP	VERTICAL	3
4	66.860	36.75	-3.25	40.00	60.39	6.78	1.40	31.82	Peak	VERTICAL	3
5	214.300	40.63	-2.87	43.50	59.31	10.66	2.08	31.41	QP	VERTICAL	3
6	238.550	40.13	-5.87	46.00	56.79	12.42	2.28	31.37	Peak	VERTICAL	3

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		m
1 @	39.700	36.10	-3.90	40.00	52.36	14.41	1.10	31.77 Peak	HORIZONTAL	3
2 @	75.590	34.97	-5.03	40.00	57.82	7.40	1.30	31.55 Peak	HORIZONTAL	3
3 @	94.020	36.14	-7.36	43.50	56.25	10.13	1.47	31.72 Peak	HORIZONTAL	3
4 @	191.990	37.56	-5.94	43.50	57.49	9.66	1.93	31.52 Peak	HORIZONTAL	3
5 @	327.790	41.35	-4.65	46.00	55.30	15.02	2.31	31.28 Peak	HORIZONTAL	3
6 @	374.350	35.35	-10.65	46.00	47.18	16.76	2.55	31.14 Peak	HORIZONTAL	3

Note:

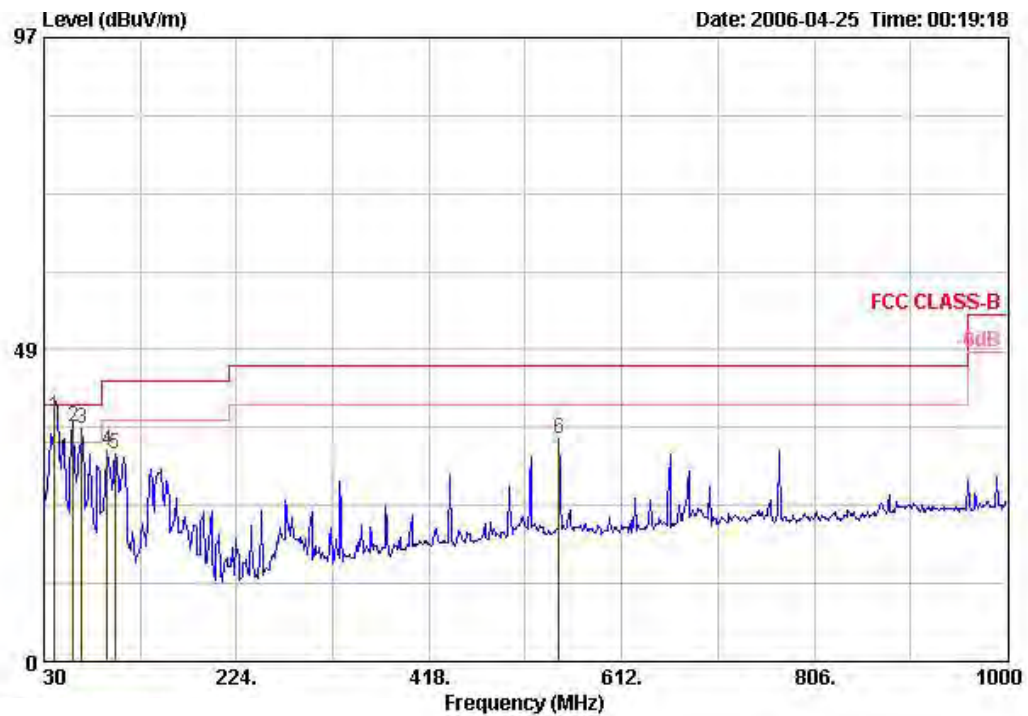
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

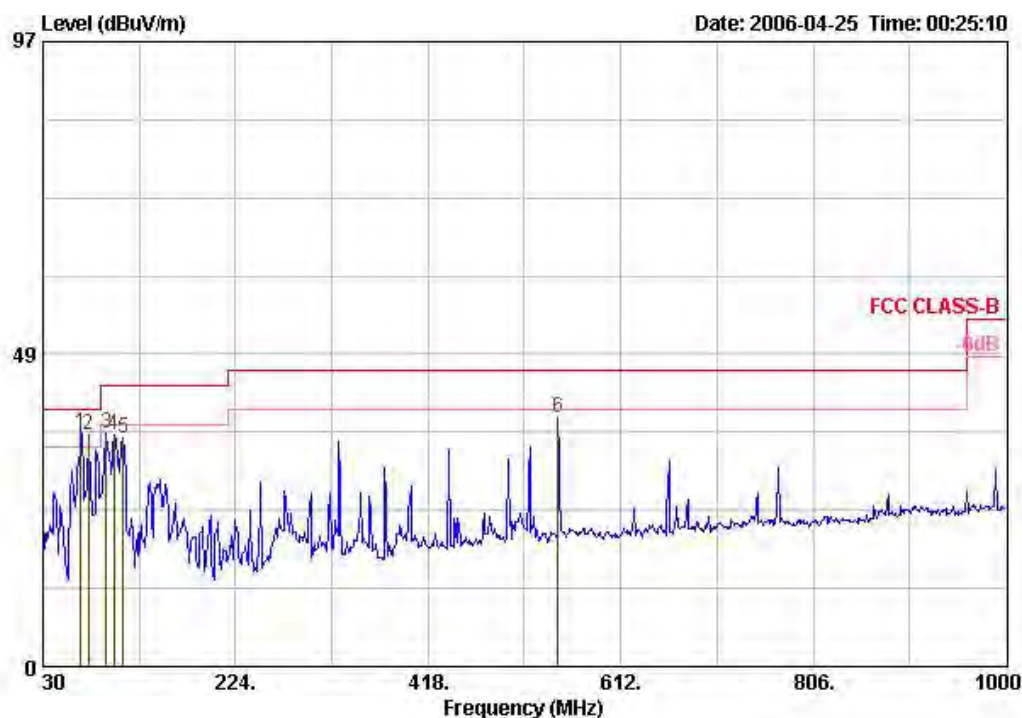
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 3

Vertical



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read	Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1 !	40.670	38.03	-1.97	40.00	11.90	0.54	29.81	55.40	QI'	---
2 !	59.100	36.39	-3.61	40.00	5.45	0.65	29.86	60.15	QI'	---
3 !	67.830	36.08	-3.92	40.00	5.20	0.68	29.90	60.10	Peak	---
4	94.020	32.82	-10.68	43.50	9.60	0.79	30.11	52.54	Peak	---
5	101.780	32.17	-11.33	43.50	10.76	0.81	30.09	50.69	Peak	---
6	548.950	34.58	-11.42	46.00	18.28	1.87	30.63	45.06	Peak	---

Horizontal



	Freq	Level	Over Limit	Antenna Line	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1 !	67.830	36.25	-3.75	40.00	5.20	0.68	29.90	60.27 QP	---	---
2 !	75.590	35.90	-4.10	40.00	6.20	0.70	29.97	58.97 Peak	---	---
3	94.020	36.26	-7.24	43.50	9.60	0.79	30.11	55.98 Peak	---	---
4	101.780	36.07	-7.43	43.50	10.76	0.81	30.09	54.59 Peak	---	---
5	110.510	35.37	-8.13	43.50	11.50	0.84	30.07	53.09 Peak	---	---
6	548.950	38.72	-7.28	46.00	18.28	1.87	30.63	49.19 Peak	---	---

Note:

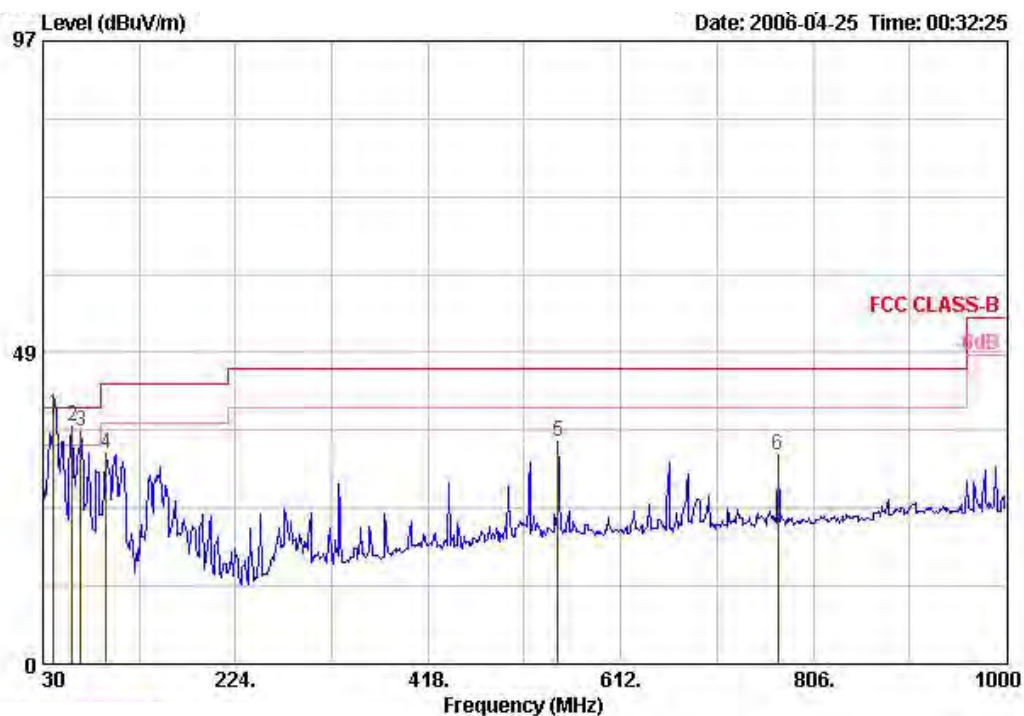
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

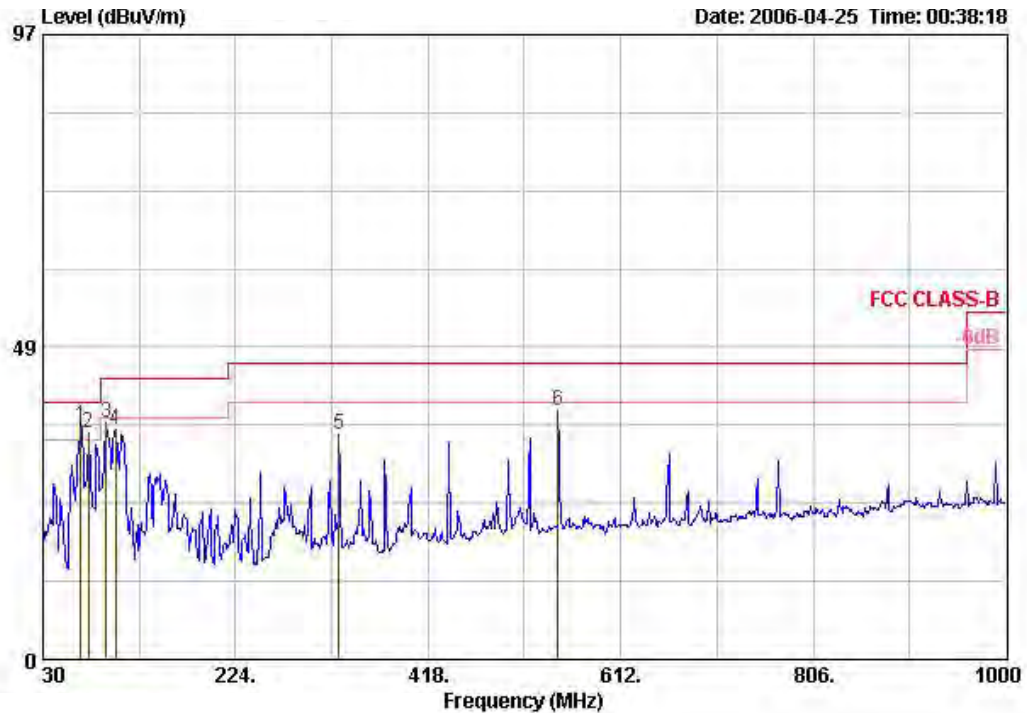
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 3

Vertical



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read	Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1 !	40.670	38.74	-1.26	40.00	11.90	0.54	29.81	56.11	QP	---
2 !	59.100	36.98	-3.02	40.00	5.45	0.65	29.86	60.74	Peak	---
3 !	67.830	36.19	-3.81	40.00	5.20	0.68	29.90	60.21	Peak	---
4	94.020	32.80	-10.70	43.50	9.60	0.79	30.11	52.52	Peak	---
5	548.950	34.74	-11.26	46.00	18.28	1.87	30.63	45.22	Peak	---
6	770.110	32.51	-13.49	46.00	19.92	2.19	30.09	40.48	Peak	---

Horizontal



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read		Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 !	67.830	36.30	-3.70	40.00	5.20	0.68	29.90	60.32	QP	---	---
2 !	75.590	35.24	-4.76	40.00	6.20	0.70	29.97	58.30	Peak	---	---
3	94.020	36.69	-6.81	43.50	9.60	0.79	30.11	56.41	Peak	---	---
4	102.750	35.68	-7.82	43.50	10.89	0.81	30.08	54.06	Peak	---	---
5	327.790	34.90	-11.10	46.00	13.82	1.43	30.48	50.13	Peak	---	---
6	548.950	38.64	-7.36	46.00	18.28	1.87	30.63	49.12	Peak	---	---

Note:

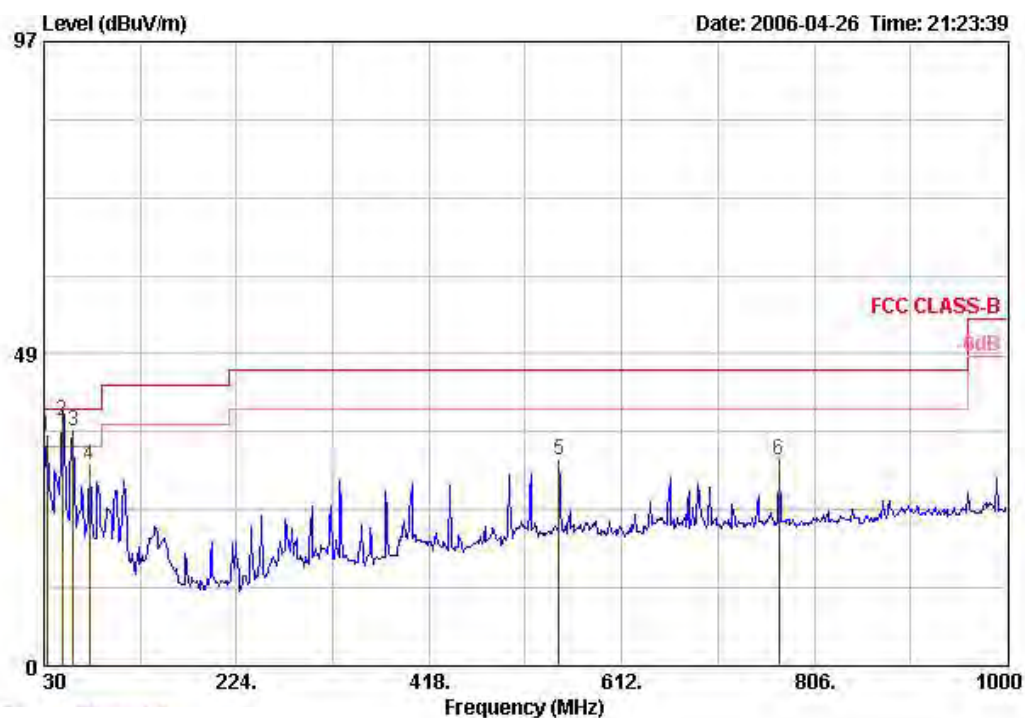
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

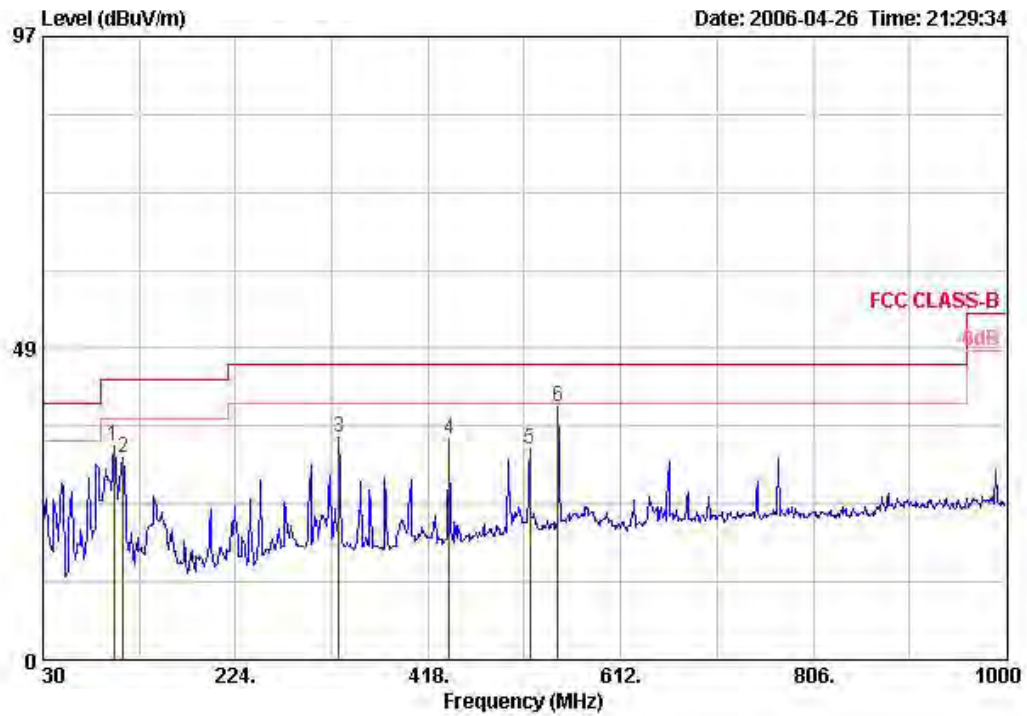
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 4

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 !	32.910	35.71	-4.29	40.00	16.45	0.49	29.78	48.56	Peak	---	---
2 !	48.430	38.09	-1.91	40.00	8.50	0.59	29.83	58.83	QP	---	---
3 !	59.100	36.60	-3.40	40.00	5.45	0.65	29.86	60.36	Peak	---	---
4	75.590	31.18	-8.82	40.00	6.20	0.70	29.97	54.24	Peak	---	---
5	548.950	31.97	-14.03	46.00	18.28	1.87	30.63	42.45	Peak	---	---
6	770.110	32.00	-14.00	46.00	19.92	2.19	30.09	39.98	Peak	---	---

Horizontal



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read		Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	101.780	33.24	-10.26	43.50	10.76	0.81	30.09	51.76	Peak	---	---
2	110.510	31.55	-11.95	43.50	11.50	0.84	30.07	49.27	Peak	---	---
3	327.790	34.68	-11.32	46.00	13.82	1.43	30.48	49.91	Peak	---	---
4	439.340	34.48	-11.52	46.00	16.31	1.65	30.46	46.98	Peak	---	---
5	520.820	32.82	-13.18	46.00	17.70	1.81	30.57	43.87	Peak	---	---
6	548.950	39.30	-6.70	46.00	18.28	1.87	30.63	49.78	Peak	---	---

Note:

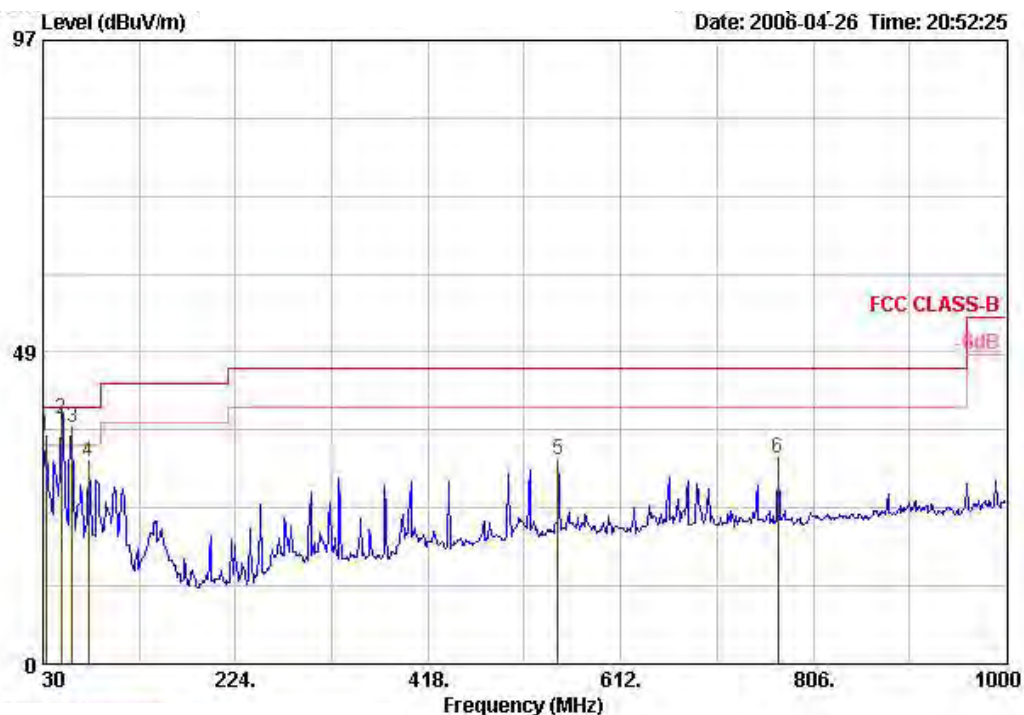
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

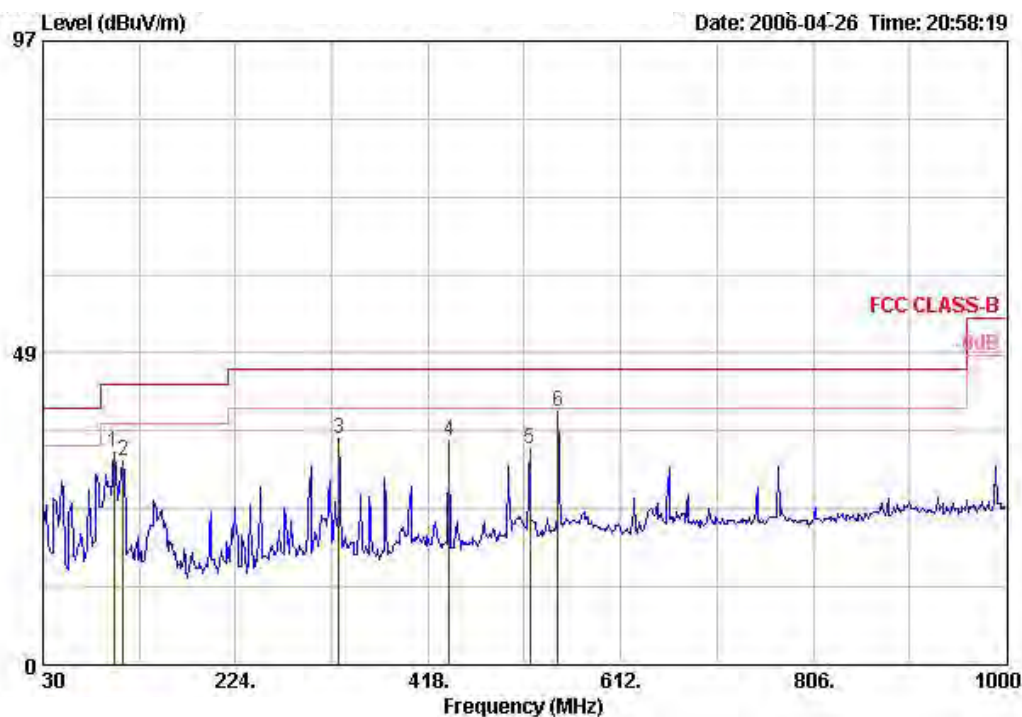
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 4

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 !	32.910	35.53	-4.47	40.00	16.45	0.49	29.78	48.37	Peak	---	---
2 !	48.430	38.03	-1.97	40.00	8.50	0.59	29.83	58.77	QP	---	---
3 !	59.100	36.69	-3.31	40.00	5.45	0.65	29.86	60.46	Peak	---	---
4	75.590	31.58	-8.42	40.00	6.20	0.70	29.97	54.64	Peak	---	---
5	548.950	31.72	-14.28	46.00	18.28	1.87	30.63	42.20	Peak	---	---
6	770.110	32.02	-13.98	46.00	19.92	2.19	30.09	40.00	Peak	---	---

Horizontal



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read		Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	101.780	33.12	-10.38	43.50	10.76	0.81	30.09	51.64	Peak	---	---
2	110.510	31.78	-11.72	43.50	11.50	0.84	30.07	49.51	Peak	---	---
3	327.790	35.05	-10.95	46.00	13.82	1.43	30.48	50.28	Peak	---	---
4	439.340	34.94	-11.06	46.00	16.31	1.65	30.46	47.44	Peak	---	---
5	520.820	33.59	-12.41	46.00	17.70	1.81	30.57	44.64	Peak	---	---
6	548.950	39.25	-6.75	46.00	18.28	1.87	30.63	49.73	Peak	---	---

Note:

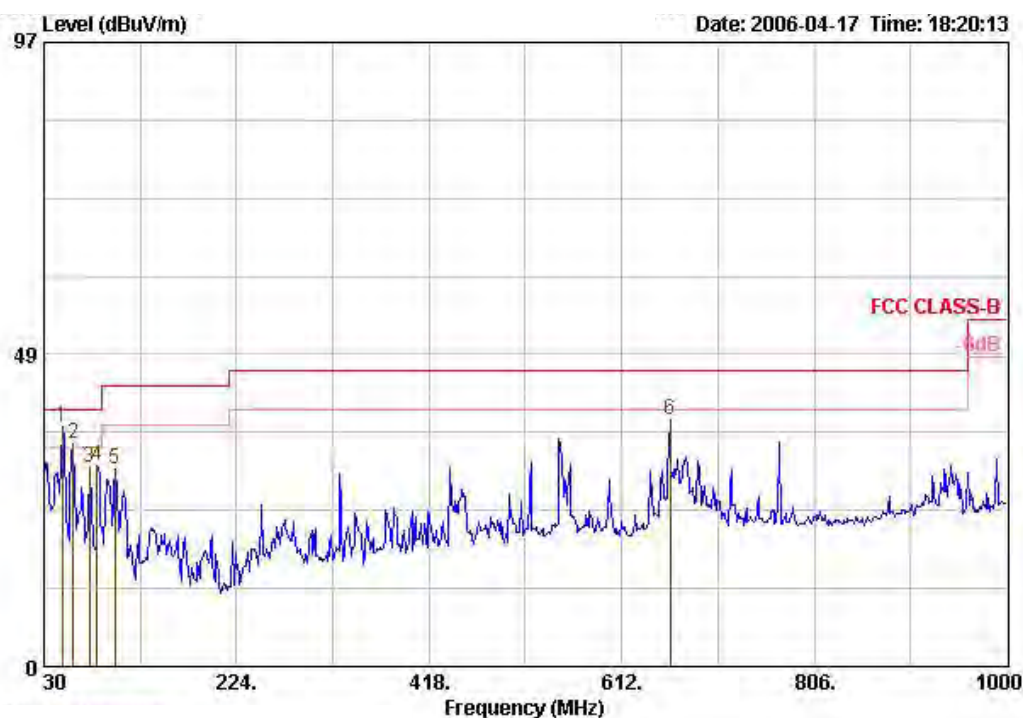
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

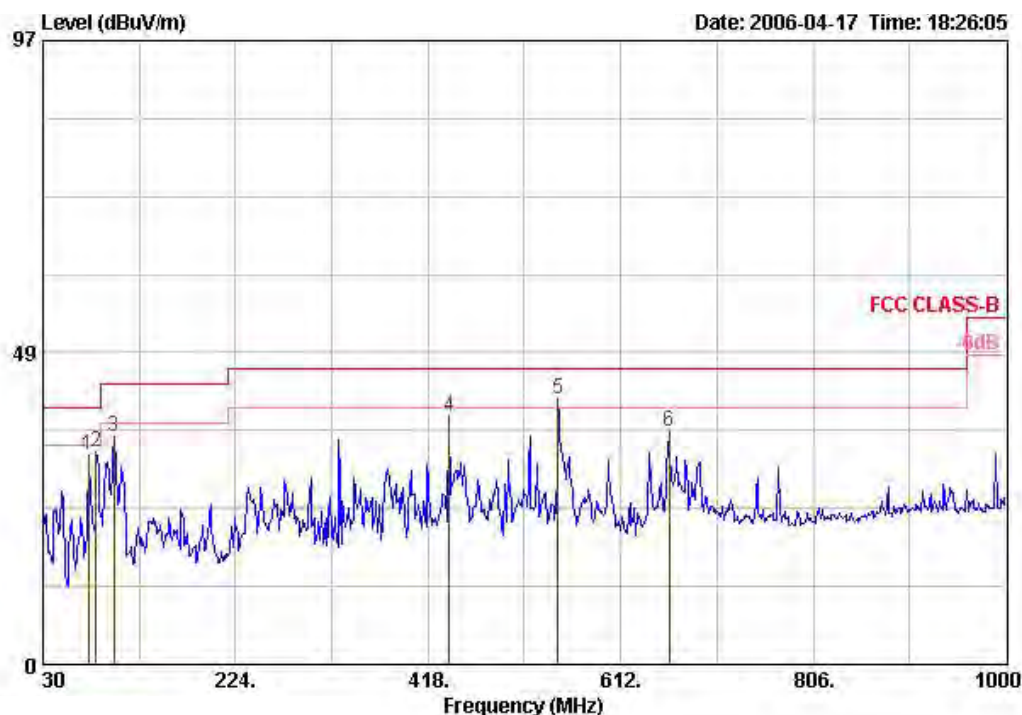
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 5

Vertical



	Freq	Level	Over Limit	Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1 @	48.430	37.36	-2.64	40.00	8.50	0.59	29.83	58.10	QP	---	---
2 !	59.100	34.53	-5.47	40.00	5.45	0.65	29.86	58.29	Peak	---	---
3	75.590	31.01	-8.99	40.00	6.20	0.70	29.97	54.08	Peak	---	---
4	83.350	31.31	-8.69	40.00	7.40	0.73	29.97	53.14	Peak	---	---
5	101.780	30.75	-12.75	43.50	10.76	0.81	30.09	49.27	Peak	---	---
6	660.500	38.43	-7.57	46.00	18.90	2.05	30.34	47.83	Peak	---	---

Horizontal



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read		Ant	Table
	MHz	dBuV/m	Limit	Line	Factor	Loss	Factor	Level	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV		cm	deg
1	75.590	32.56	-7.44	40.00	6.20	0.70	29.97	55.63	Peak	---	---
2	83.350	32.97	-7.03	40.00	7.40	0.73	29.97	54.80	Peak	---	---
3	101.780	35.45	-8.05	43.50	10.76	0.81	30.09	53.96	Peak	---	---
4	439.340	38.57	-7.43	46.00	16.31	1.65	30.46	51.07	Peak	---	---
5	548.950	41.16	-4.84	46.00	18.28	1.87	30.63	51.63	Peak	---	---
6	660.500	36.15	-9.85	46.00	18.90	2.05	30.34	45.55	Peak	---	---

Note:

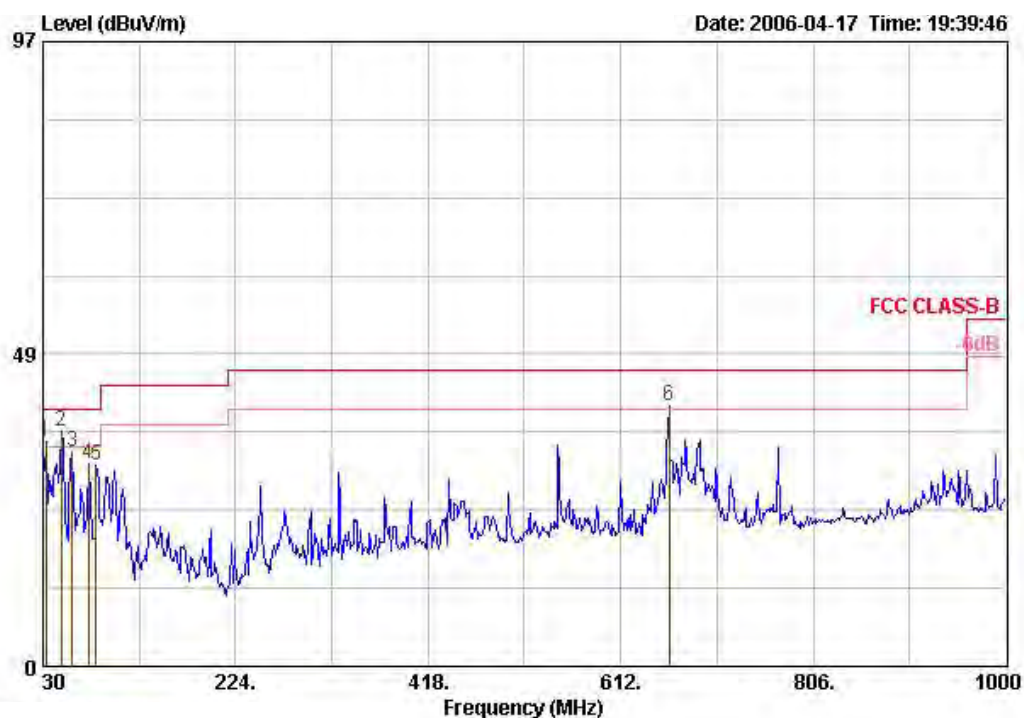
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

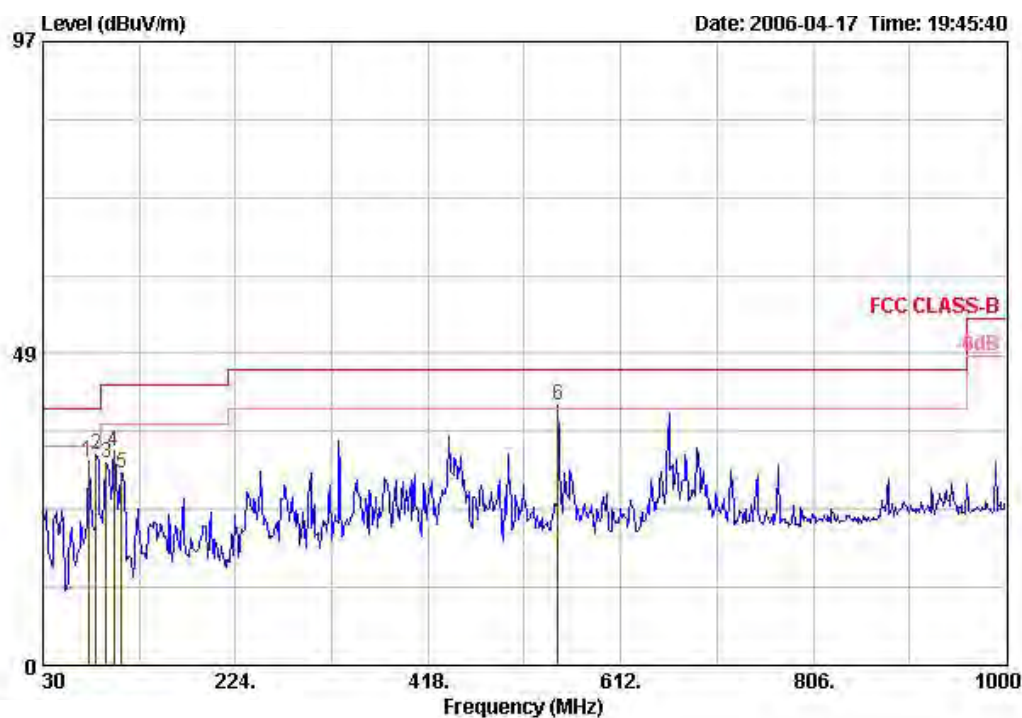
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 5

Vertical



	Freq	Level	Over	Limit	Antenna	Cable	Preamp	Read		Ant	Table
	MHz	dBUV/m	Limit	Line	Factor	Loss	Factor	Level	Remark	Pos	Pos
			dB		dB/m	dB	dB	dBUV		cm	deg
1 !	32.910	35.00	-5.00	40.00	16.45	0.49	29.78	47.85	Peak	---	---
2 !	48.430	36.42	-3.58	40.00	8.50	0.59	29.83	57.16	Peak	---	---
3	59.100	33.27	-6.73	40.00	5.45	0.65	29.86	57.03	Peak	---	---
4	75.590	31.53	-8.47	40.00	6.20	0.70	29.97	54.60	Peak	---	---
5	83.350	31.29	-8.71	40.00	7.40	0.73	29.97	53.12	Peak	---	---
6 !	660.500	40.31	-5.69	46.00	18.90	2.05	30.34	49.70	Peak	---	---

Horizontal



	Freq	Level	Over Limit	Antenna Line Factor	Cable Loss Factor	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	cm	deg
1	75.590	31.81	-8.19	40.00	6.20	0.70	29.97	54.87 Peak	---	---
2	83.350	32.69	-7.31	40.00	7.40	0.73	29.97	54.52 Peak	---	---
3	94.020	31.51	-11.99	43.50	9.60	0.79	30.11	51.23 Peak	---	---
4	101.780	33.23	-10.27	43.50	10.76	0.81	30.09	51.75 Peak	---	---
5	109.540	29.87	-13.63	43.50	11.50	0.84	30.07	47.60 Peak	---	---
6 !	548.950	40.41	-5.59	46.00	18.28	1.87	30.63	50.89 Peak	---	---

Note:

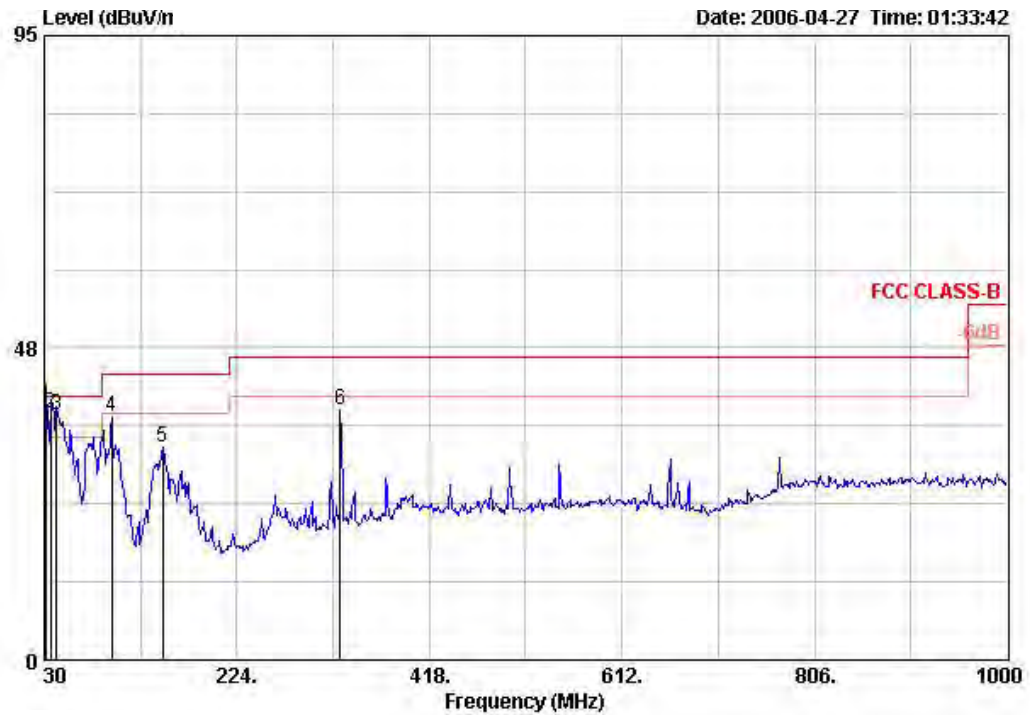
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

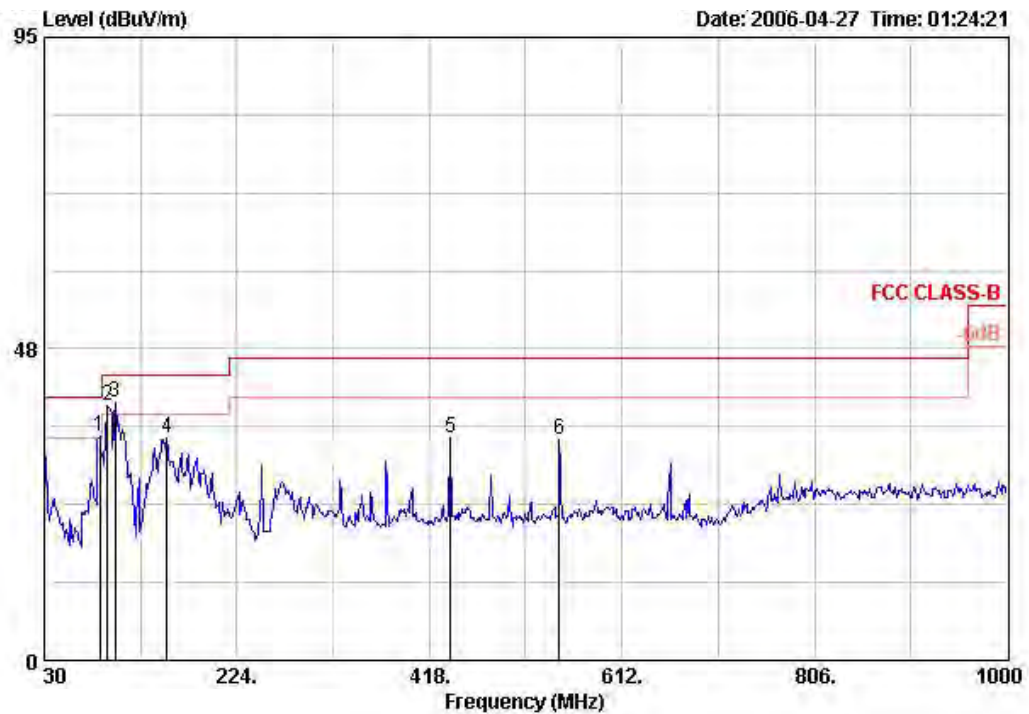
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 6

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pol/Phase
			dB	dBuV/m	dBuV	dB/m	dB	dB		Distance
										m
1 @	31.940	38.76	-1.24	40.00	53.16	16.34	0.93	31.67	QP	VERTICAL
2 @	36.790	37.50	-2.50	40.00	52.60	15.41	1.20	31.72	QP	VERTICAL
3 @	42.610	37.15	-2.85	40.00	54.89	12.92	1.10	31.76	QP	VERTICAL
4	97.900	36.93	-6.57	43.50	56.32	10.84	1.50	31.73	Peak	VERTICAL
5	149.310	32.46	-11.04	43.50	50.47	11.63	1.90	31.54	Peak	VERTICAL
6	327.790	38.13	-7.87	46.00	52.07	15.02	2.31	31.28	Peak	VERTICAL

Horizontal



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	m
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1 !	86.260	34.28	-5.72	40.00	55.60	8.89	1.45	31.65	Peak	3
2 !	94.020	38.83	-4.67	43.50	58.94	10.13	1.47	31.72	Peak	3
3 B	101.780	39.25	-4.25	43.50	58.09	11.37	1.50	31.71	Peak	3
4	153.190	33.83	-9.67	43.50	51.98	11.48	1.90	31.53	Peak	3
5	439.340	33.86	-12.14	46.00	44.44	17.50	2.86	30.94	Peak	3
6	548.950	33.76	-12.24	46.00	43.35	17.95	3.20	30.75	Peak	3

Note:

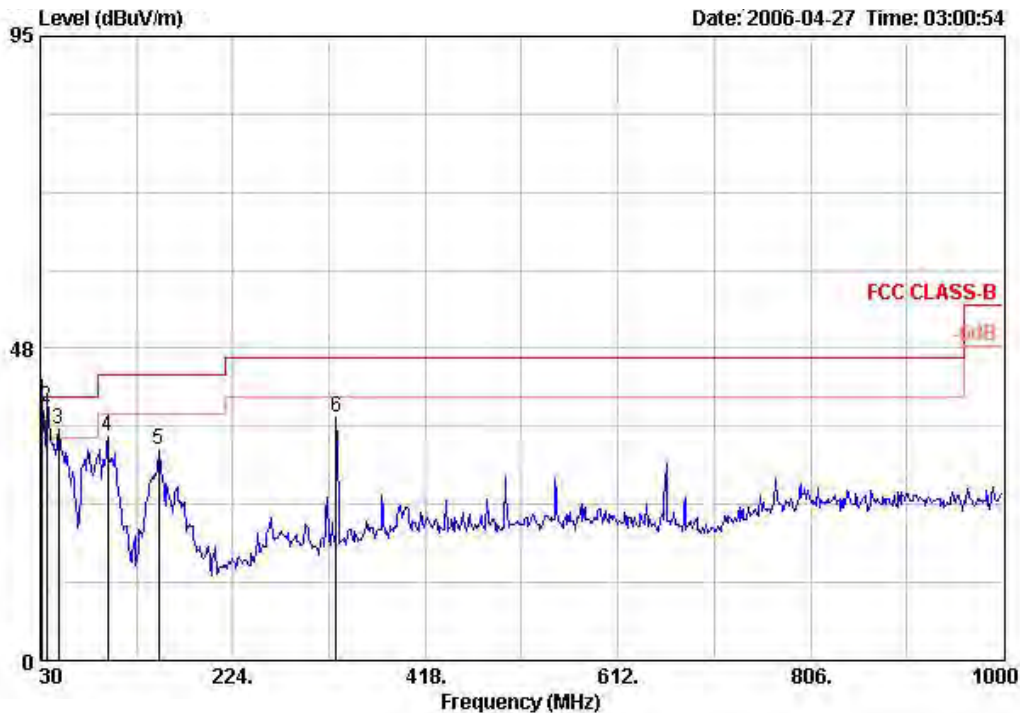
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

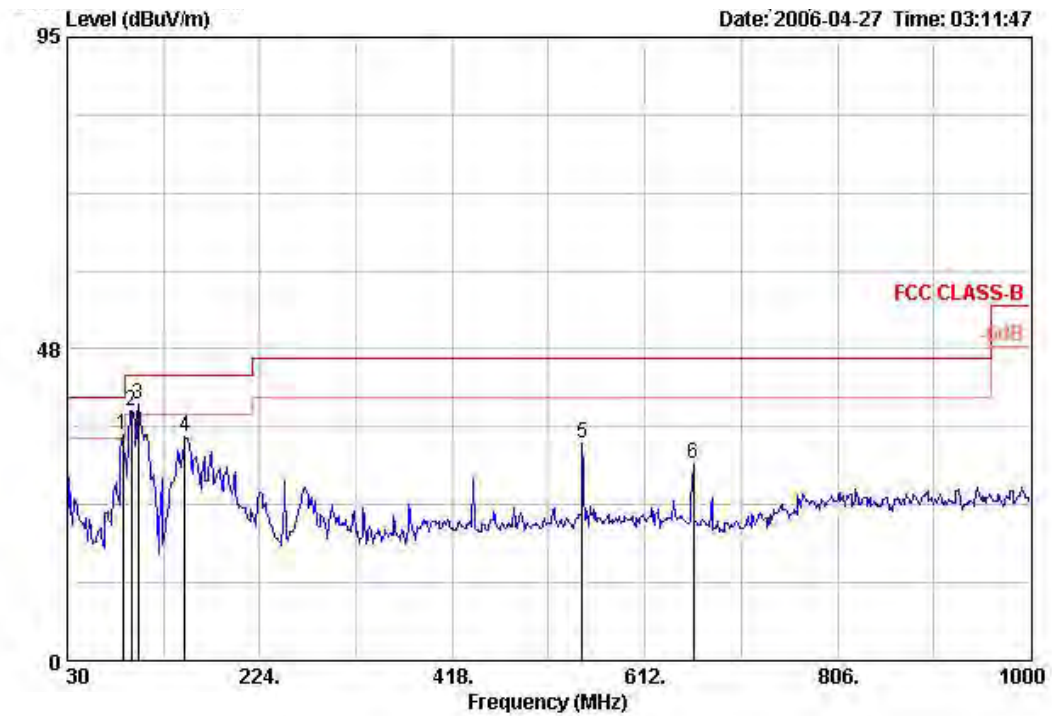
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 6

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	m
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	31.940	39.67	-0.33	40.00	54.07	16.34	0.93	31.67	QP	3
2	36.790	38.54	-1.46	40.00	53.65	15.41	1.20	31.72	QP	3
3	48.430	35.29	-4.71	40.00	55.22	10.79	1.10	31.83	Peak	3
4	97.900	34.28	-9.22	43.50	53.68	10.84	1.50	31.73	Peak	3
5	149.310	32.04	-11.46	43.50	50.05	11.63	1.90	31.54	Peak	3
6	327.790	37.06	-8.94	46.00	51.01	15.02	2.31	31.28	Peak	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 !	86.260	34.52	-5.48	40.00	55.84	8.89	1.45	31.65	Peak	HORIZONTAL	3
2 !	94.990	38.15	-5.35	43.50	58.10	10.31	1.50	31.76	Peak	HORIZONTAL	3
3 B	101.780	39.16	-4.34	43.50	58.00	11.37	1.50	31.71	Peak	HORIZONTAL	3
4	148.340	34.24	-9.26	43.50	52.35	11.60	1.83	31.54	Peak	HORIZONTAL	3
5	548.950	33.04	-12.96	46.00	42.63	17.95	3.20	30.75	Peak	HORIZONTAL	3
6	660.500	29.99	-16.01	46.00	39.27	17.55	3.52	30.35	Peak	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.

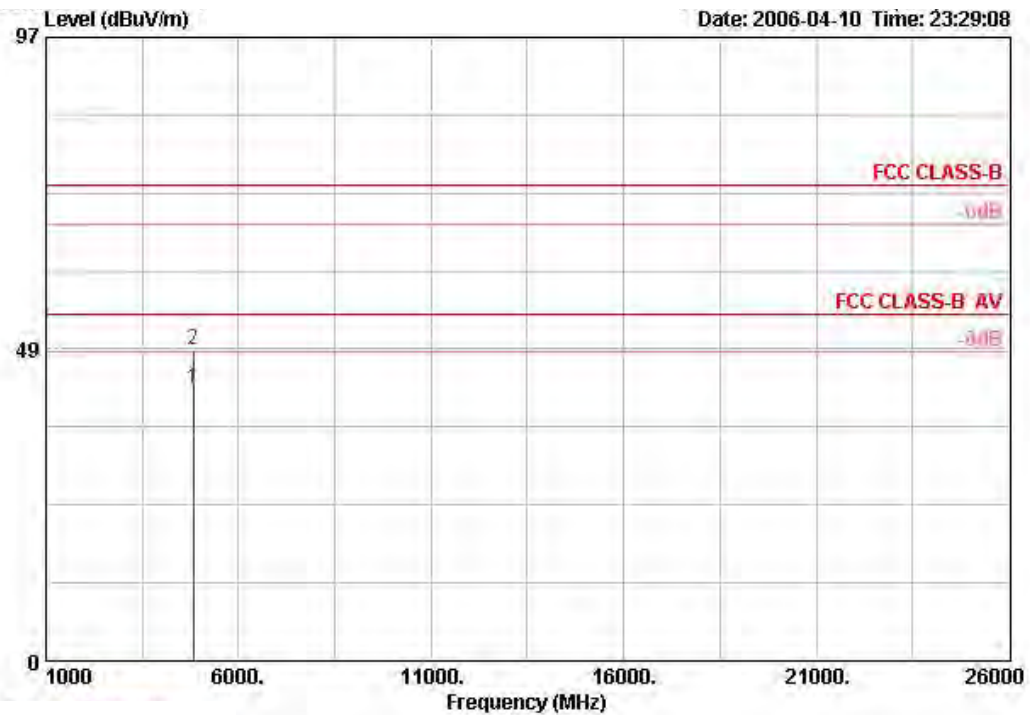
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

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

Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1 / Ant. 1

Vertical



	Freq	Level	Over Limit	Antenna Line Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dB/m	dB	dB	dBuV		cm	deg
1 @	4824.000	42.35	-11.65	54.00	33.22	4.68	35.10	39.55 AVERAGE	114	337
2 @	4824.000	48.36	-25.64	74.00	33.22	4.68	35.10	45.57 PEAK	114	337