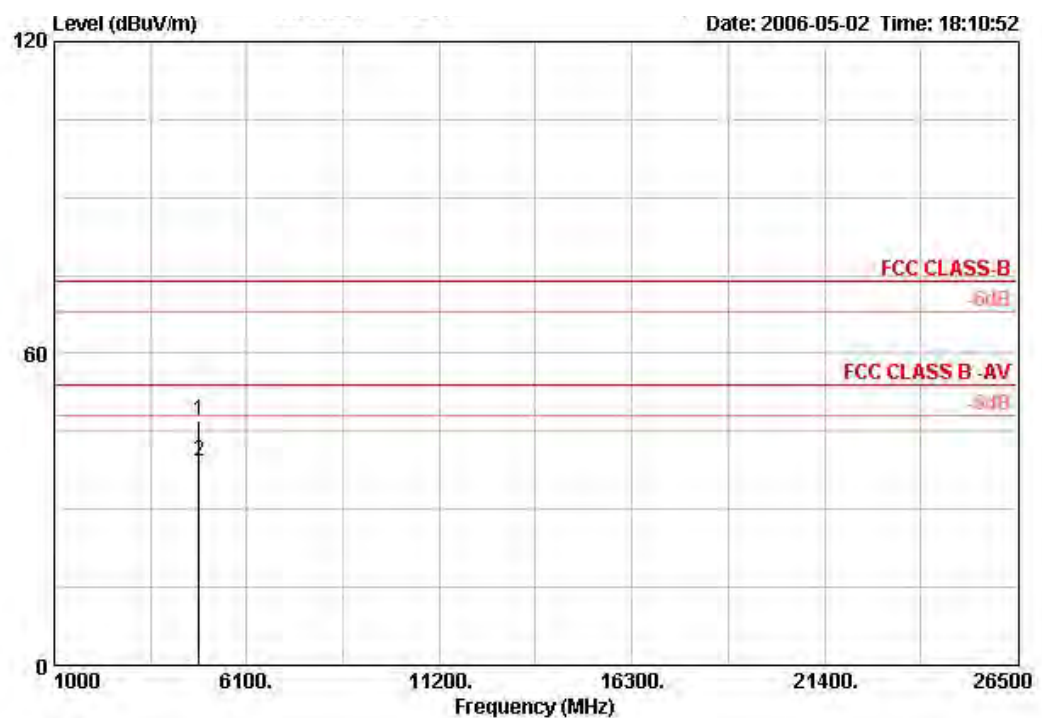


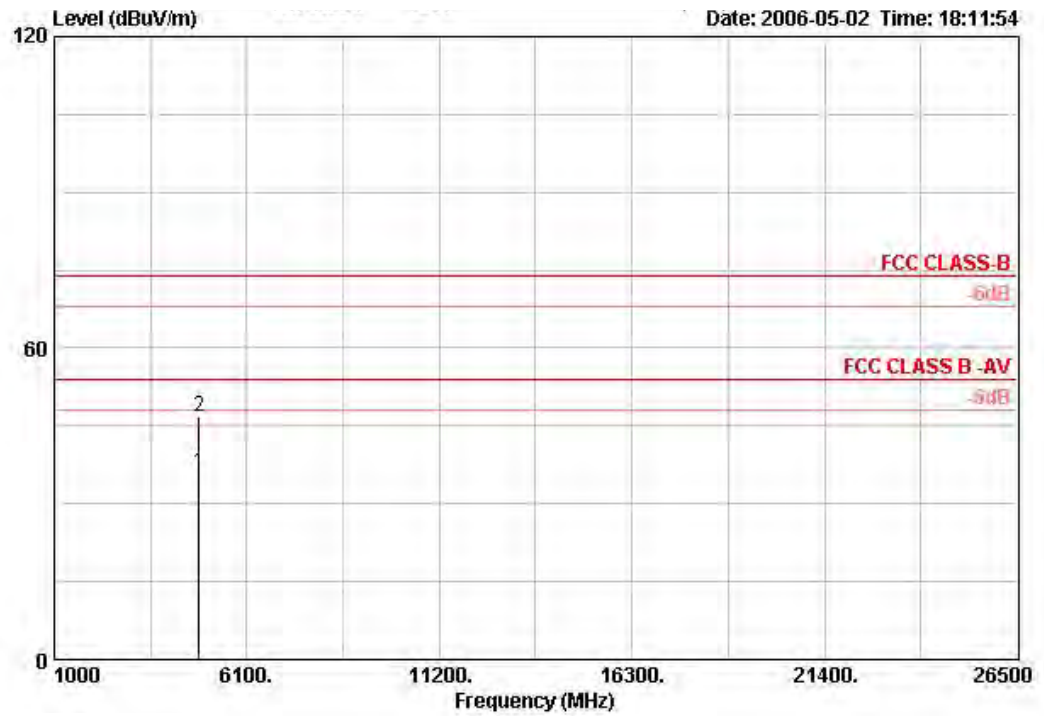
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 1 / Ant. 3

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	4823.848	47.19	-26.81	74.00	45.23	32.83	4.30	35.16	PEAK	VERTICAL
2	4823.932	39.39	-14.61	54.00	37.42	32.83	4.30	35.16	AVERAGE	VERTICAL

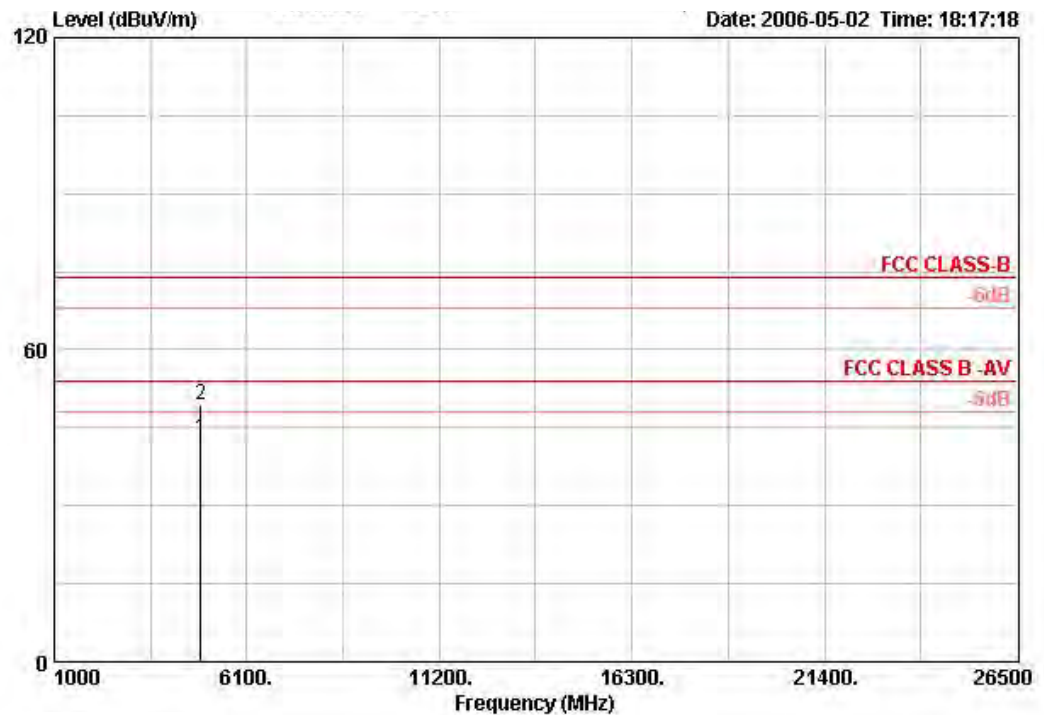
Horizontal



	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	4824.048	36.03	-17.97	54.00	34.07	32.83	4.30	35.16	AVERAGE	3
2	4824.220	46.75	-27.25	74.00	44.79	32.83	4.30	35.16	PEAK	3

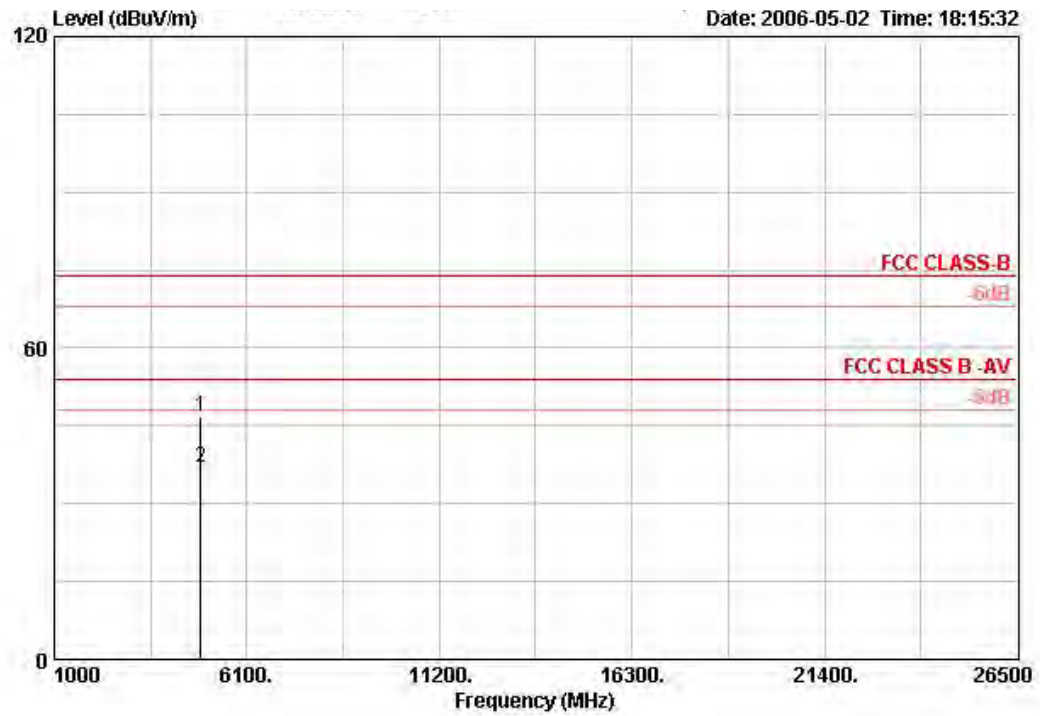
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 6 / Ant. 3

Vertical



	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	4874.020	42.93	-11.07	54.00	40.91	32.88	4.30	35.15	AVERAGE	3
2	4874.068	49.52	-24.48	74.00	47.49	32.88	4.30	35.15	PEAK	3

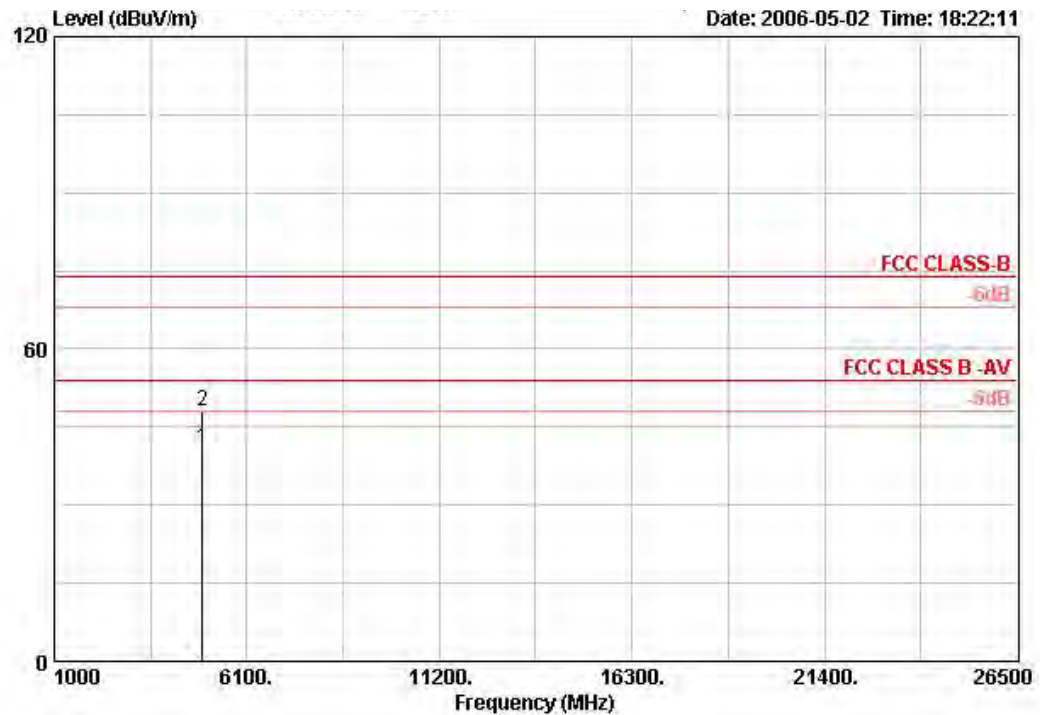
Horizontal



	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	4873.948	46.72	-27.28	74.00	44.70	32.88	4.30	35.15	PEAK	HORIZONTAL
2	4874.124	36.83	-17.17	54.00	34.80	32.88	4.30	35.15	AVERAGE	HORIZONTAL

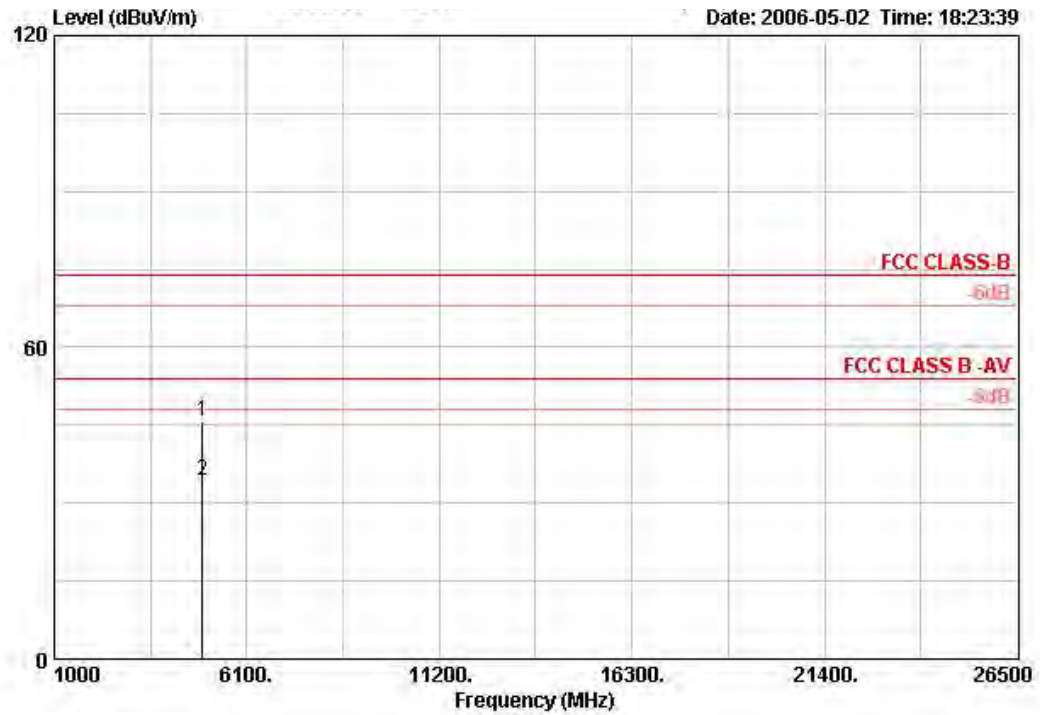
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11b Channel 11 / Ant. 3

Vertical



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBUV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Distance
			dB	dBUV/m	dBuV		dB	dB		m
1	4924.000	40.91	-13.09	54.00	38.82	32.93	4.30	35.14	AVERAGE	3
2	4924.184	48.00	-26.00	74.00	45.91	32.93	4.30	35.14	PEAK	3

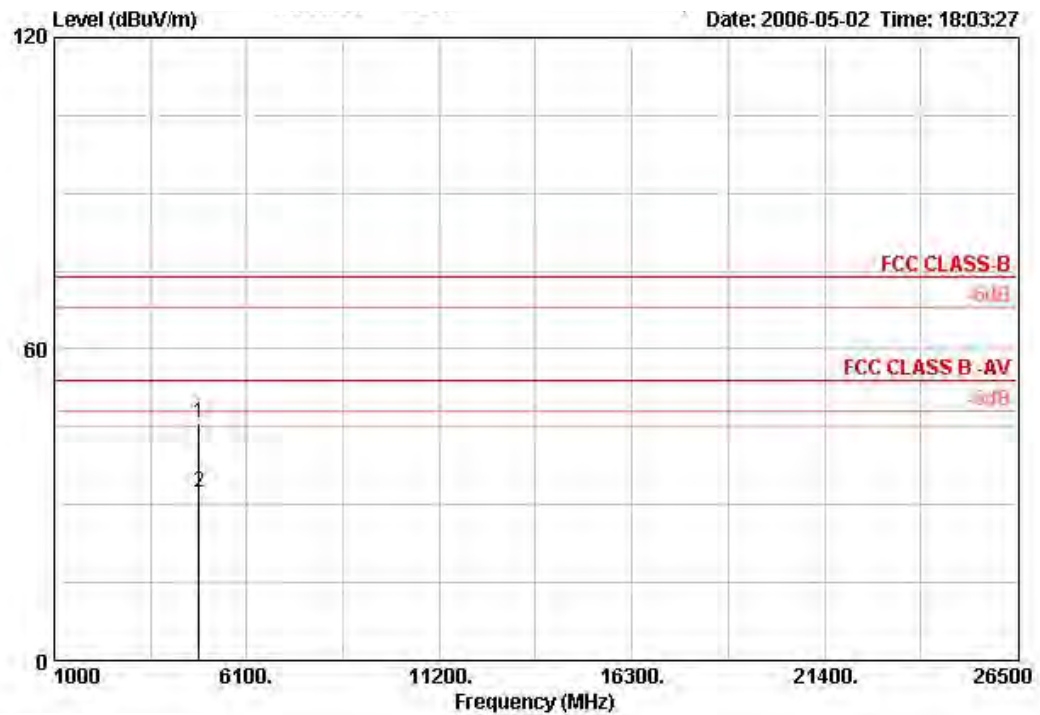
Horizontal



	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	4923.884	45.81	-28.19	74.00	43.72	32.93	4.30	35.14	PEAK	HORIZONTAL
2	4924.076	34.19	-19.81	54.00	32.10	32.93	4.30	35.14	AVERAGE	HORIZONTAL

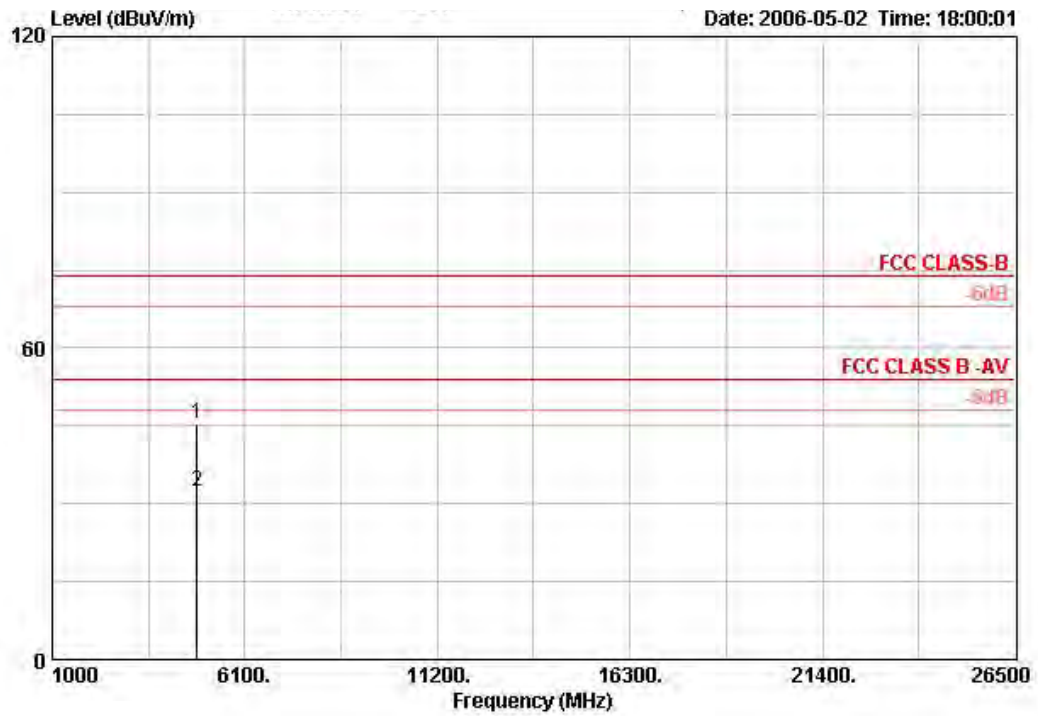
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 1 / Ant. 3

Vertical



	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	4824.470	45.69	-28.31	74.00	43.73	32.83	4.30	35.16	PERK	3
2	4825.640	32.32	-21.68	54.00	30.36	32.83	4.30	35.16	AVERAGE	3

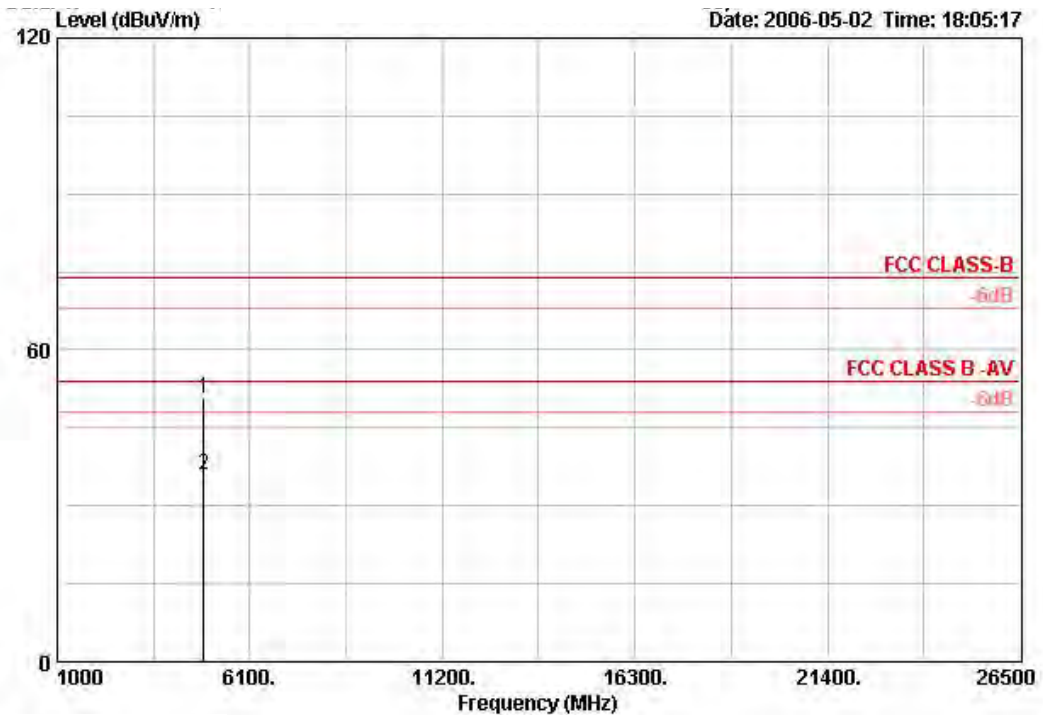
Horizontal



	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	4823.040	45.46	-28.54	74.00	43.50	32.83	4.30	35.16	PEAK	3
2	4825.760	32.49	-21.51	54.00	30.53	32.83	4.30	35.16	AVERAGE	3

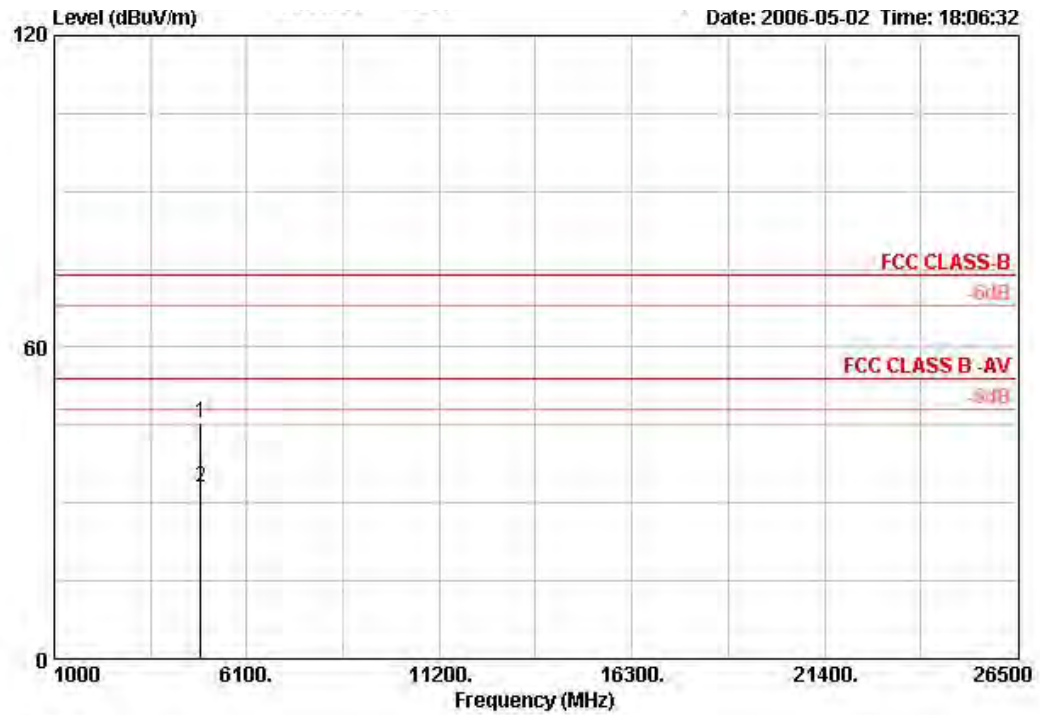
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 6 / Ant. 3

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	4871.590	50.76	-23.24	74.00	48.74	32.88	4.30	35.15	PEAK	3
2	4875.430	35.97	-18.03	54.00	33.95	32.88	4.30	35.15	AVERAGE	3

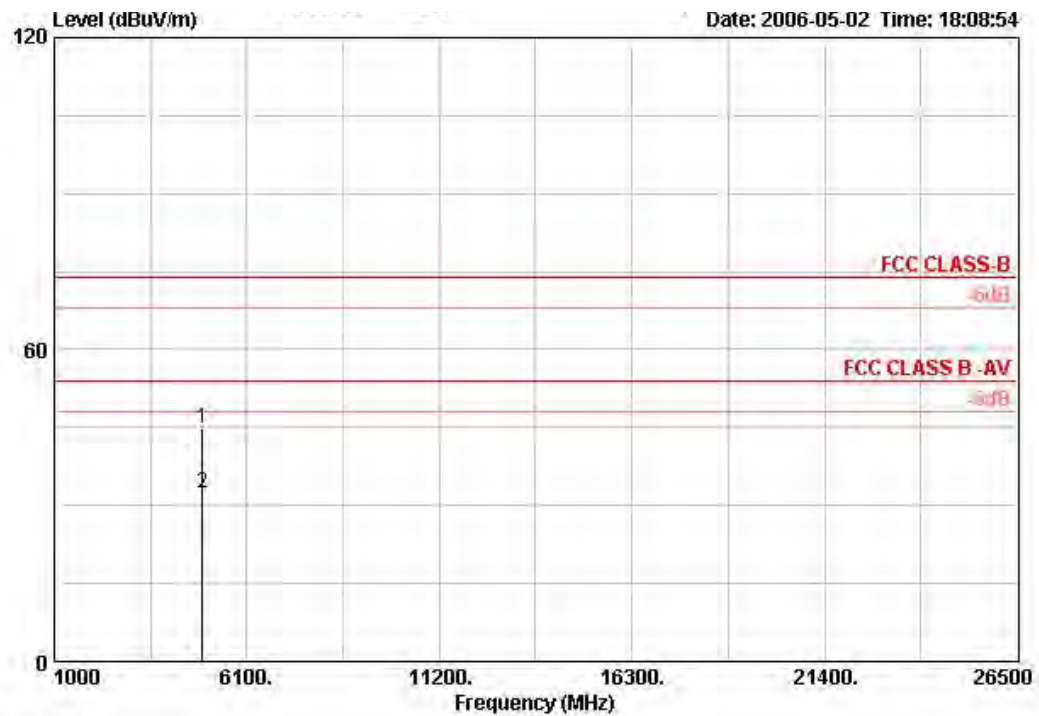
Horizontal



	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	4871.860	45.31	-28.69	74.00	43.28	32.88	4.30	35.15	PEAK	3
2	4872.440	32.98	-21.02	54.00	30.96	32.88	4.30	35.15	AVERAGE	3

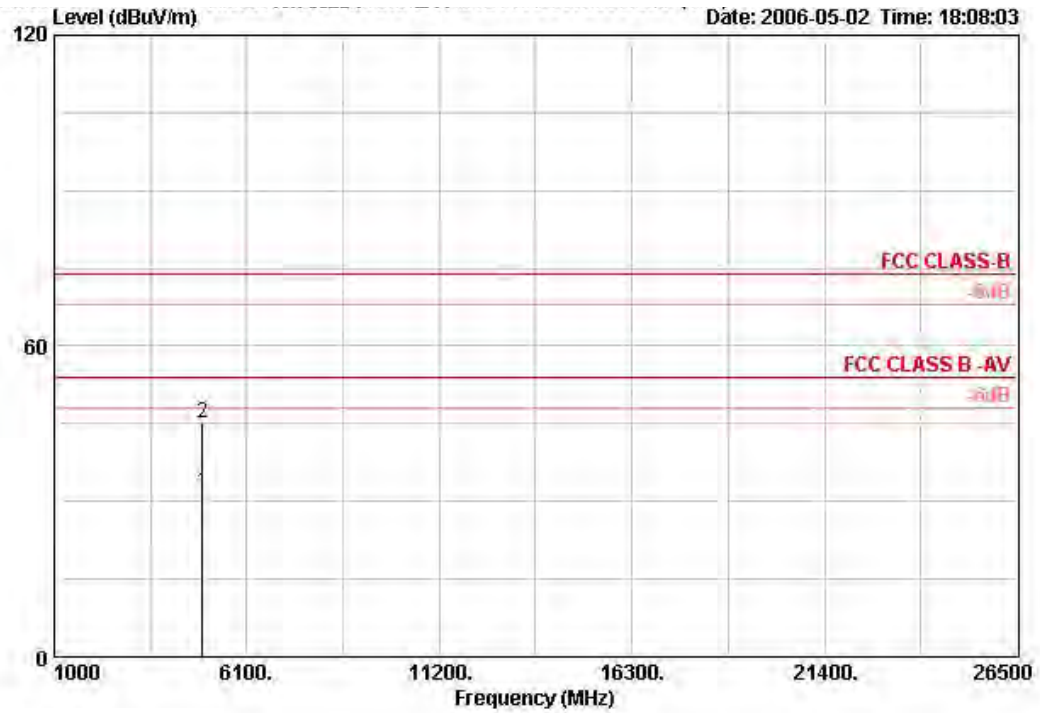
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Channel 11 / Ant. 3

Vertical



	Freq	Level	Over	Limit	Read	Antenna	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	4924.150	44.94	-29.06	74.00	42.85	32.93	4.30	35.14	PERK	VERTICAL	3
2	4924.380	32.21	-21.79	54.00	30.12	32.93	4.30	35.14	AVERAGE	VERTICAL	3

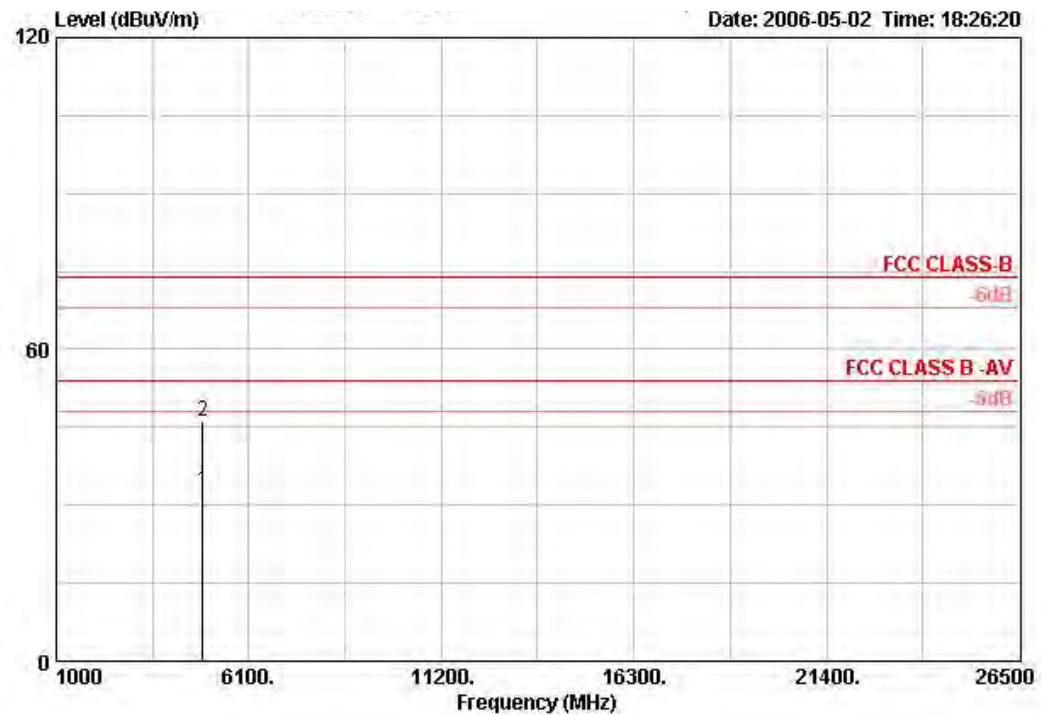
Horizontal



	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	4921.910	31.80	-22.20	54.00	29.71	32.93	4.30	35.14	AVERAGE	HORIZONTAL
2	4923.930	45.00	-29.00	74.00	42.91	32.93	4.30	35.14	PEAK	HORIZONTAL

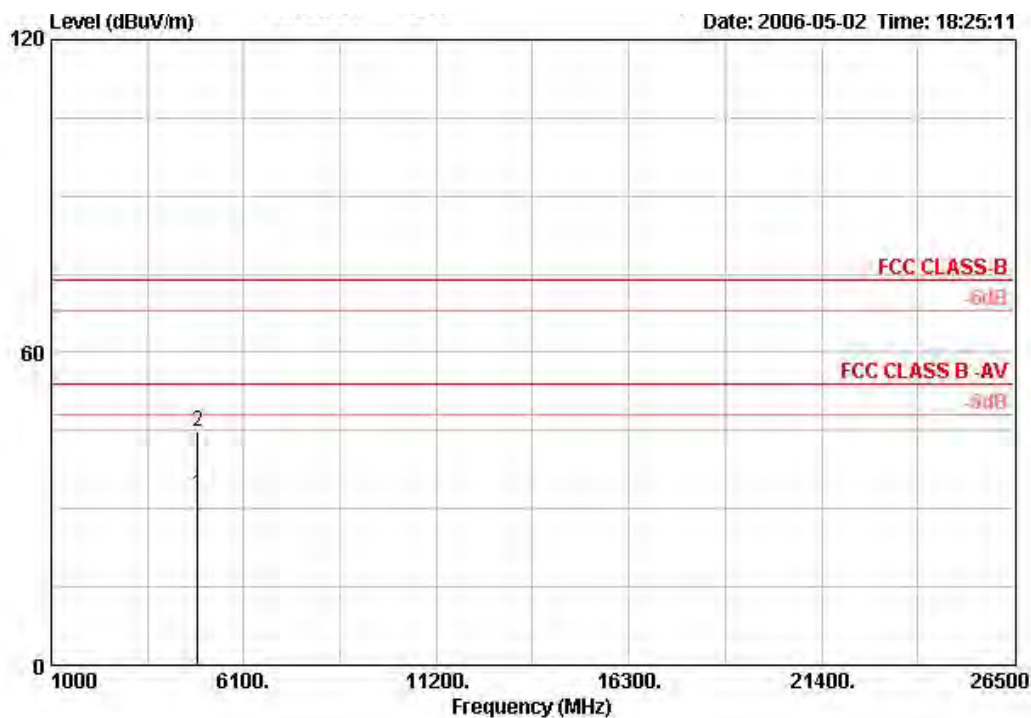
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11g Turbo Channel 6 / Ant. 3

Vertical



	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 @	4874.092	32.80	-21.20	54.00	30.77	32.88	4.30	35.15	AVERAGE	3
2	4874.468	46.16	-27.84	74.00	44.13	32.88	4.30	35.15	PEAK	3

Horizontal



	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
1	4873.076	32.61	-21.39	54.00	30.59	32.88	4.30	35.15	AVERAGE	HORIZONTAL
2	4873.620	44.79	-29.21	74.00	42.76	32.88	4.30	35.15	PEAK	HORIZONTAL

Note:

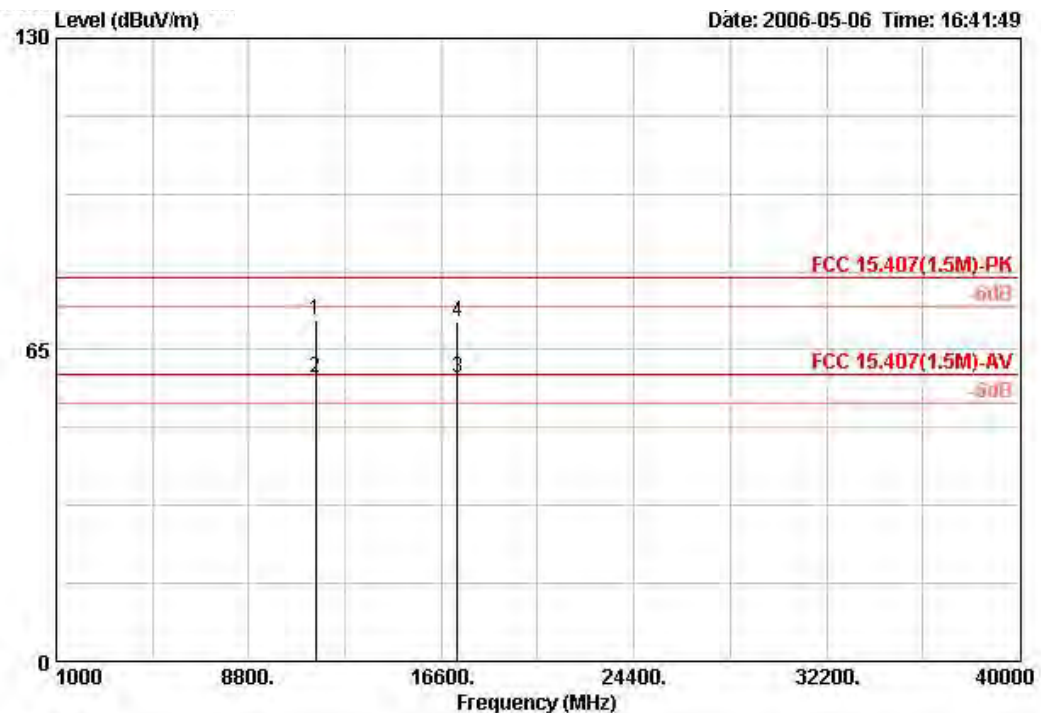
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

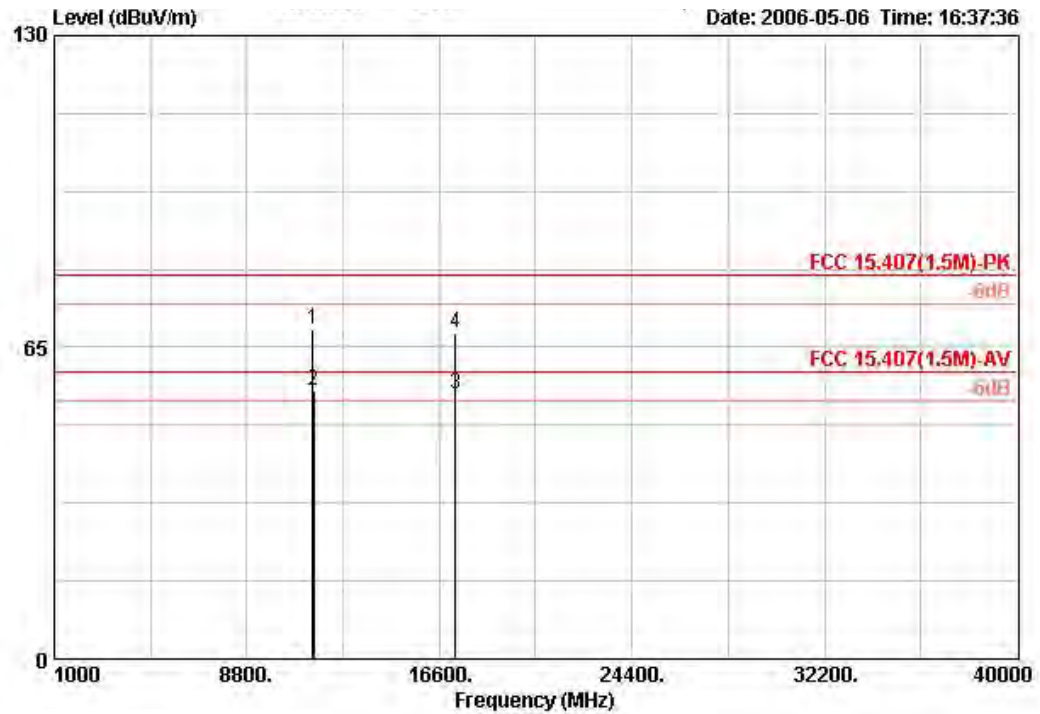
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 149 / Ant. 3

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	11490.160	71.06	-8.94	80.00	59.69	38.69	7.66	34.98	PEAK	VERTICAL
2	11491.360	59.00	-1.00	60.00	47.64	38.69	7.65	34.98	AVERAGE	VERTICAL
3	17236.680	59.19	-0.81	60.00	42.77	42.47	8.87	34.92	AVERAGE	VERTICAL
4	17244.360	70.95	-9.05	80.00	54.45	42.55	8.87	34.92	PEAK	VERTICAL

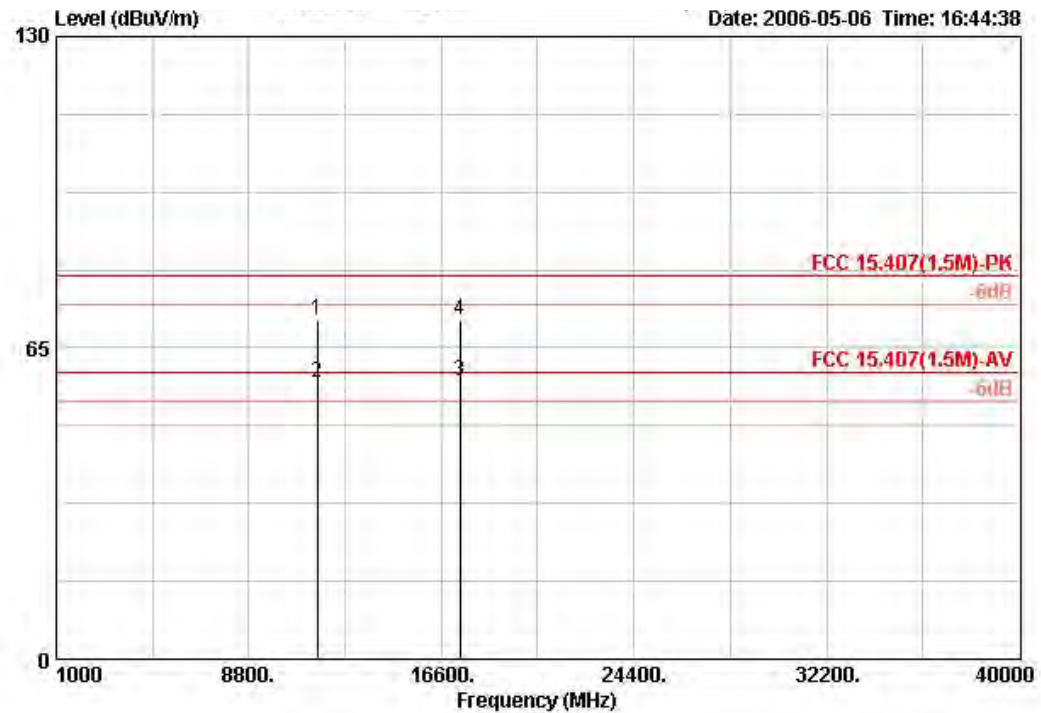
Horizontal



	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	11489.260	68.57	-11.43	80.00	57.21	38.69	7.66	34.98	PEAK	HORIZONTAL
2 !	11490.020	55.99	-4.01	60.00	44.63	38.69	7.66	34.98	AVERAGE	HORIZONTAL
3 !	17237.760	55.22	-4.78	60.00	38.80	42.47	8.87	34.92	AVERAGE	HORIZONTAL
4	17243.000	67.93	-12.07	80.00	51.51	42.47	8.87	34.92	PEAK	HORIZONTAL

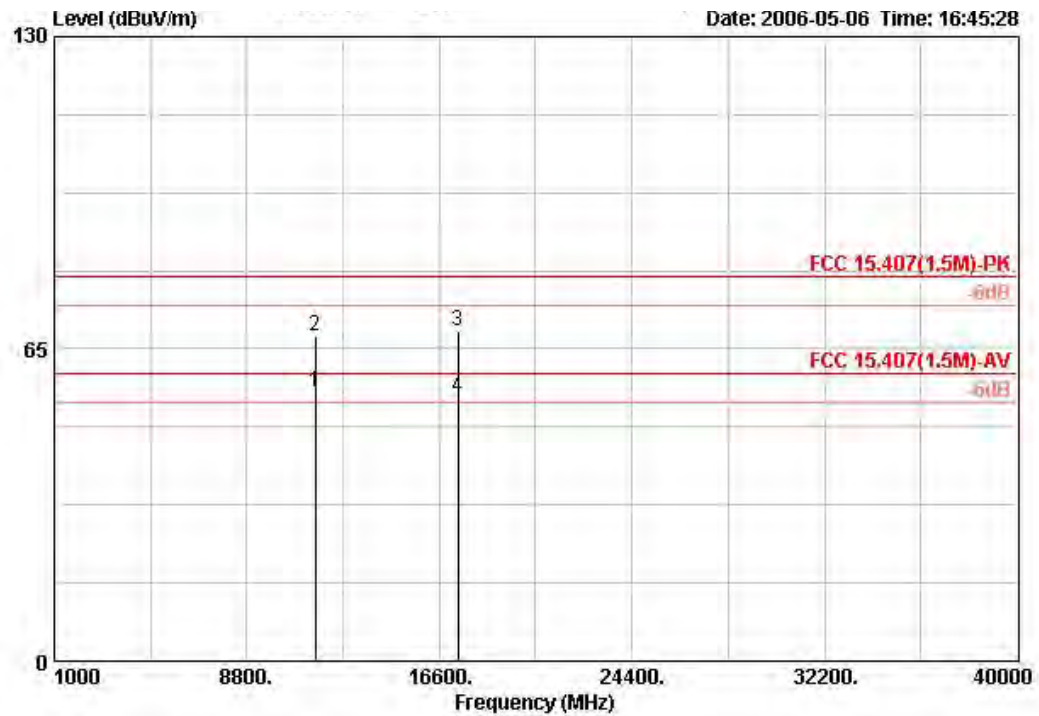
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 3

Vertical



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Pol/Phase	Distance
	MHz	dBUV/m	Limit	Line	Level	Factor	Loss	Factor	Remark		m
1	11574.240	70.88	-9.12	80.00	59.40	38.81	7.67	35.00	PEAK	VERTICAL	3
2	11574.240	57.88	-2.12	60.00	46.40	38.81	7.67	35.00	AVERAGE	VERTICAL	3
3	17354.520	58.03	-1.97	60.00	41.07	43.05	8.86	34.96	AVERAGE	VERTICAL	3
4	17354.520	70.75	-9.25	80.00	53.79	43.05	8.86	34.96	PEAK	VERTICAL	3

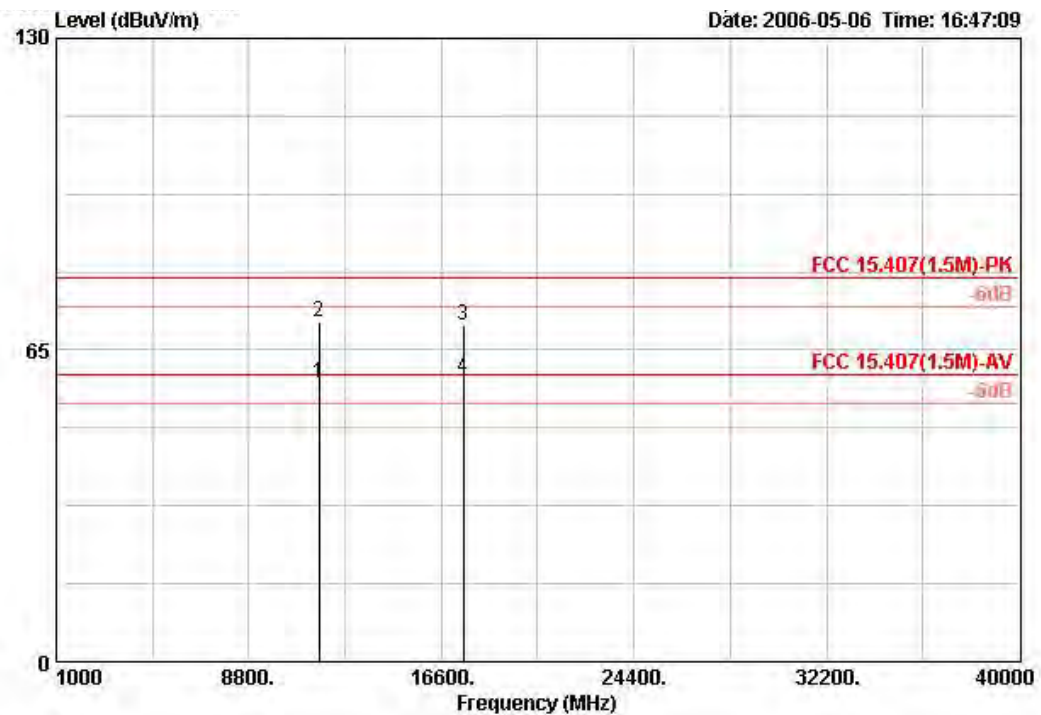
Horizontal



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		m
1 !	11579.280	55.81	-4.19	60.00	44.33	38.81	7.67	35.00	AVERAGE	3
2	11579.280	67.52	-12.48	80.00	56.05	38.81	7.67	35.00	PEAK	3
3	17354.520	68.60	-11.40	80.00	51.65	43.05	8.86	34.96	PEAK	3
4 !	17354.520	55.01	-4.99	60.00	38.05	43.05	8.86	34.96	AVERAGE	3

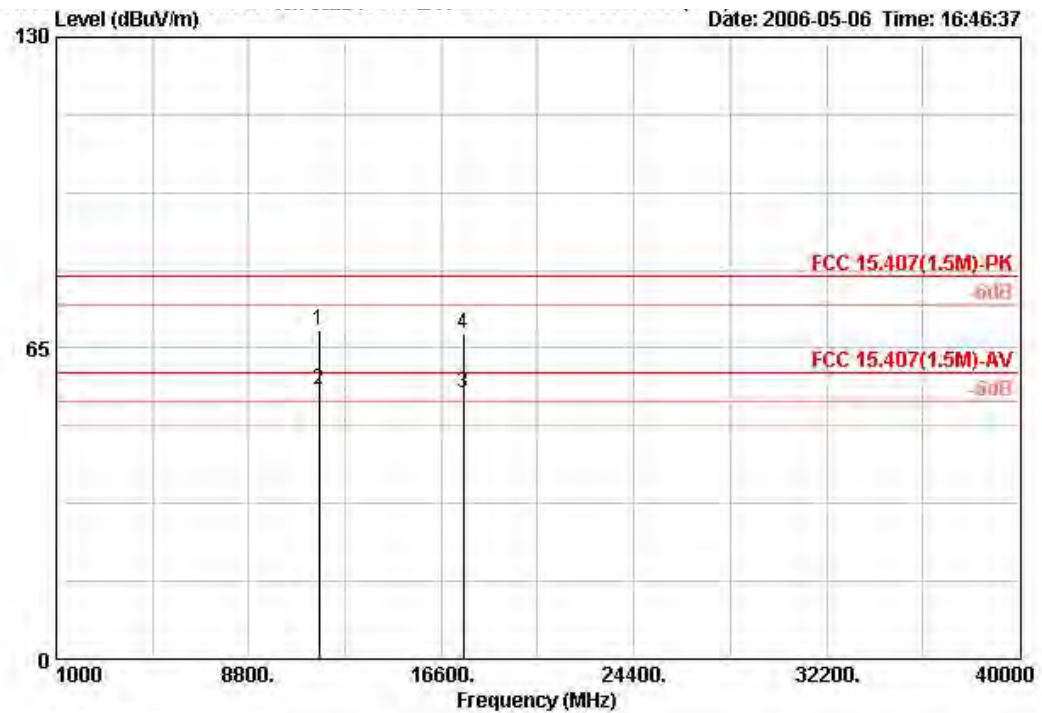
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 165 / Ant. 3

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	11652.130	58.20	-1.80	60.00	46.57	38.95	7.69	35.01	AVERAGE	VERTICAL	3
2	11652.130	70.81	-9.19	80.00	59.19	38.95	7.69	35.01	PEAK	VERTICAL	3
3	17473.940	70.08	-9.92	80.00	52.59	43.63	8.85	35.00	PEAK	VERTICAL	3
4	17473.940	59.28	-0.72	60.00	41.80	43.63	8.85	35.00	AVERAGE	VERTICAL	3

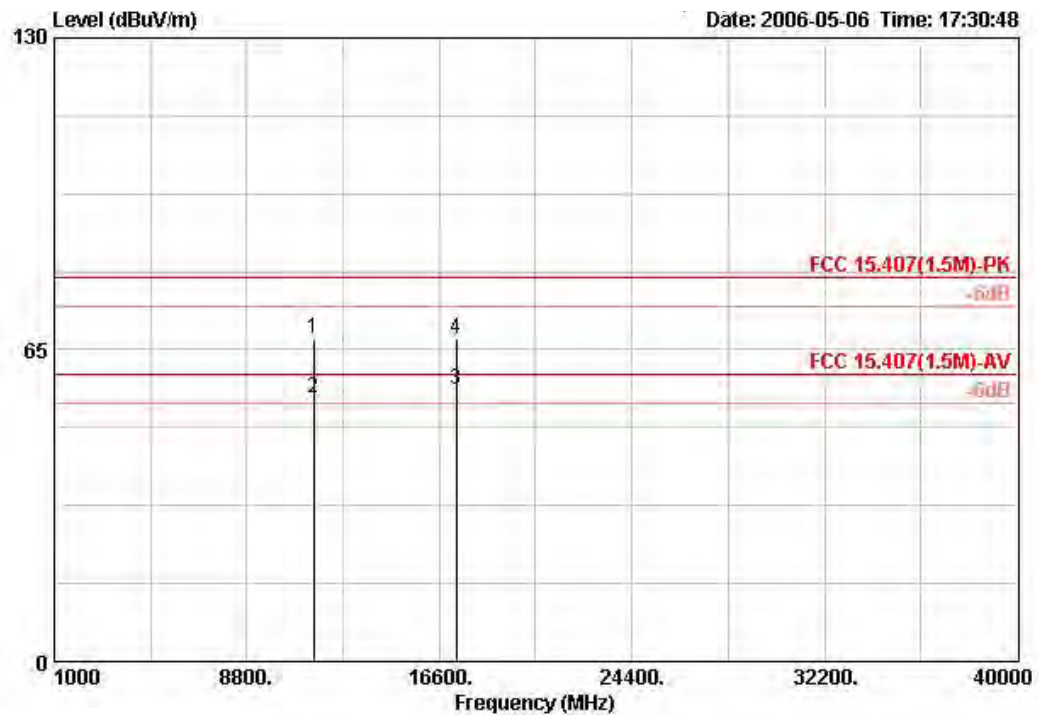
Horizontal



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pol/Phase	Distance
			dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11649.130	68.89	-11.11	80.00	57.29	38.92	7.69	35.01	PEAK	HORIZONTAL	3
2 !	11649.130	56.48	-3.52	60.00	44.88	38.92	7.69	35.01	AVERAGE	HORIZONTAL	3
3 !	17473.940	55.64	-4.36	60.00	38.16	43.63	8.85	35.00	AVERAGE	HORIZONTAL	3
4	17473.940	67.99	-12.01	80.00	50.51	43.63	8.85	35.00	PEAK	HORIZONTAL	3

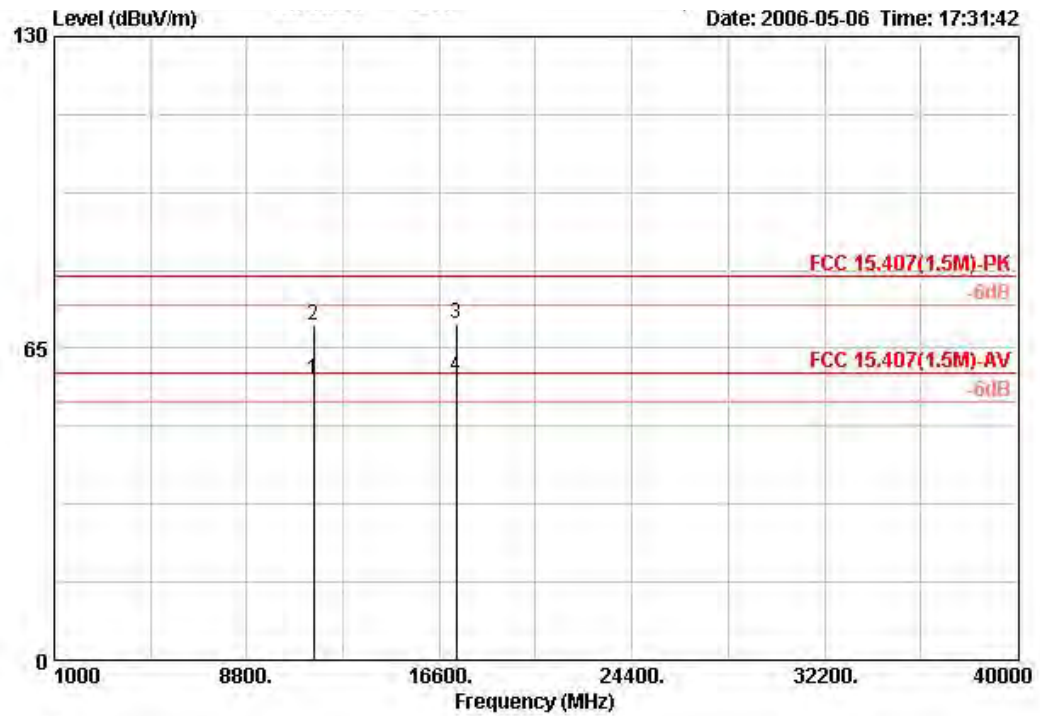
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 152 / Ant. 3

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	11518.360	67.22	-12.78	80.00	55.84	38.73	7.65	35.00	PEAK	HORIZONTAL	3
2 !	11518.360	55.04	-4.96	60.00	43.66	38.73	7.65	35.00	AVERAGE	HORIZONTAL	3
3 !	17279.250	56.68	-3.32	60.00	40.03	42.72	8.87	34.93	AVERAGE	HORIZONTAL	3
4	17279.250	67.43	-12.57	80.00	50.78	42.72	8.87	34.93	PEAK	HORIZONTAL	3

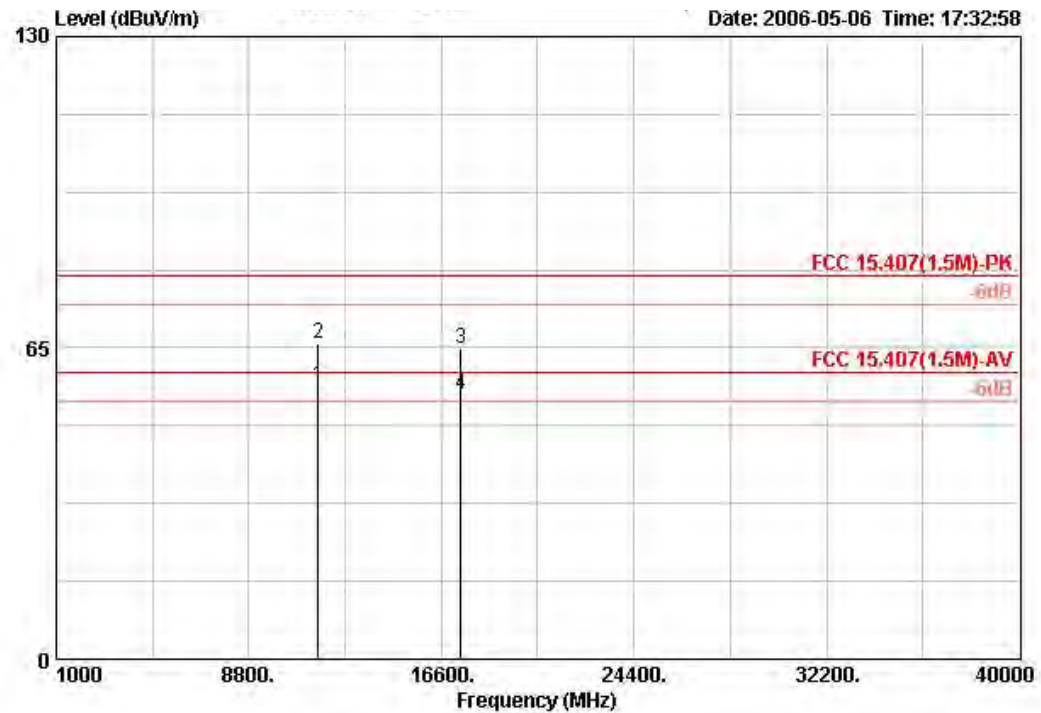
Horizontal



	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	11522.500	58.42	-1.58	60.00	47.04	38.73	7.65	35.00	AVERAGE	HORIZONTAL
2	11522.500	69.66	-10.34	80.00	58.28	38.73	7.65	35.00	PEAK	HORIZONTAL
3	17279.250	70.27	-9.73	80.00	53.61	42.72	8.87	34.93	PEAK	HORIZONTAL
4	17279.250	59.10	-0.90	60.00	42.44	42.72	8.87	34.93	AVERAGE	HORIZONTAL

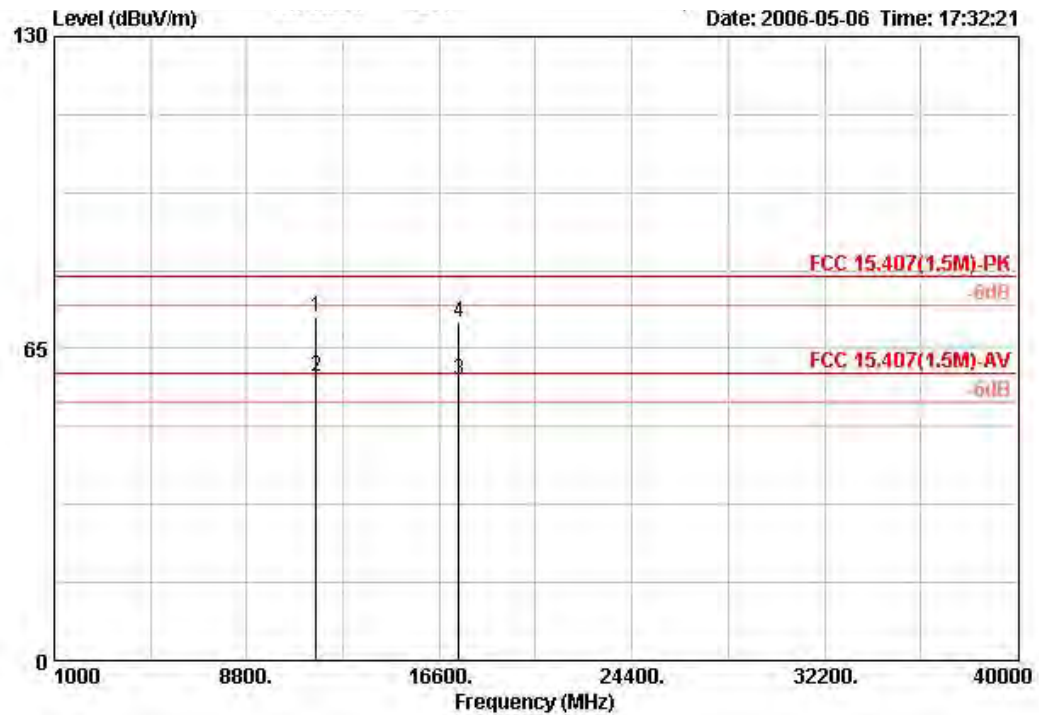
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 160 / Ant. 3

Vertical



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark		m
1 !	11599.260	56.87	-3.13	60.00	45.37	38.84	7.67	35.01	AVERAGE	VERTICAL	3
2	11599.260	65.76	-14.24	80.00	54.26	38.84	7.67	35.01	PEAK	VERTICAL	3
3	17402.060	64.79	-15.21	80.00	47.60	43.30	8.86	34.97	PEAK	VERTICAL	3
4 !	17402.060	55.38	-4.62	60.00	38.19	43.30	8.86	34.97	AVERAGE	VERTICAL	3

Horizontal



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Remark	Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor			m
1	11599.380	71.45	-8.55	80.00	59.95	38.84	7.67	35.01	PEAK	HORIZONTAL	3
2	11599.380	58.98	-1.02	60.00	47.48	38.84	7.67	35.01	AVERAGE	HORIZONTAL	3
3	17402.060	58.28	-1.72	60.00	41.10	43.30	8.86	34.97	AVERAGE	HORIZONTAL	3
4	17402.060	70.58	-9.42	80.00	53.40	43.30	8.86	34.97	PEAK	HORIZONTAL	3

Note:

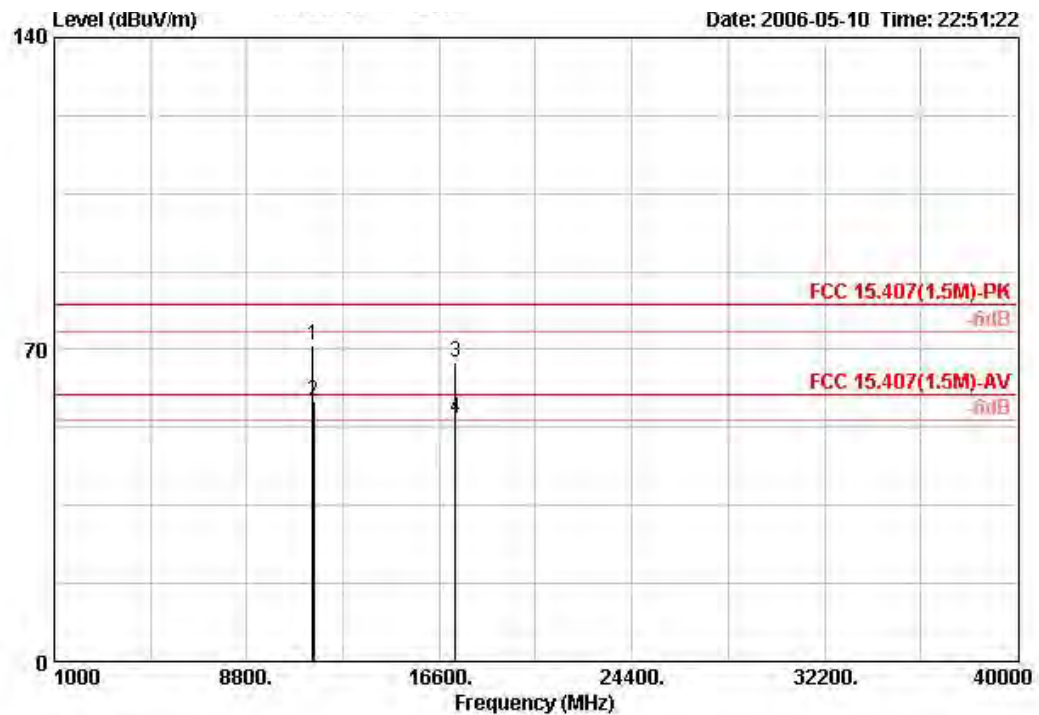
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

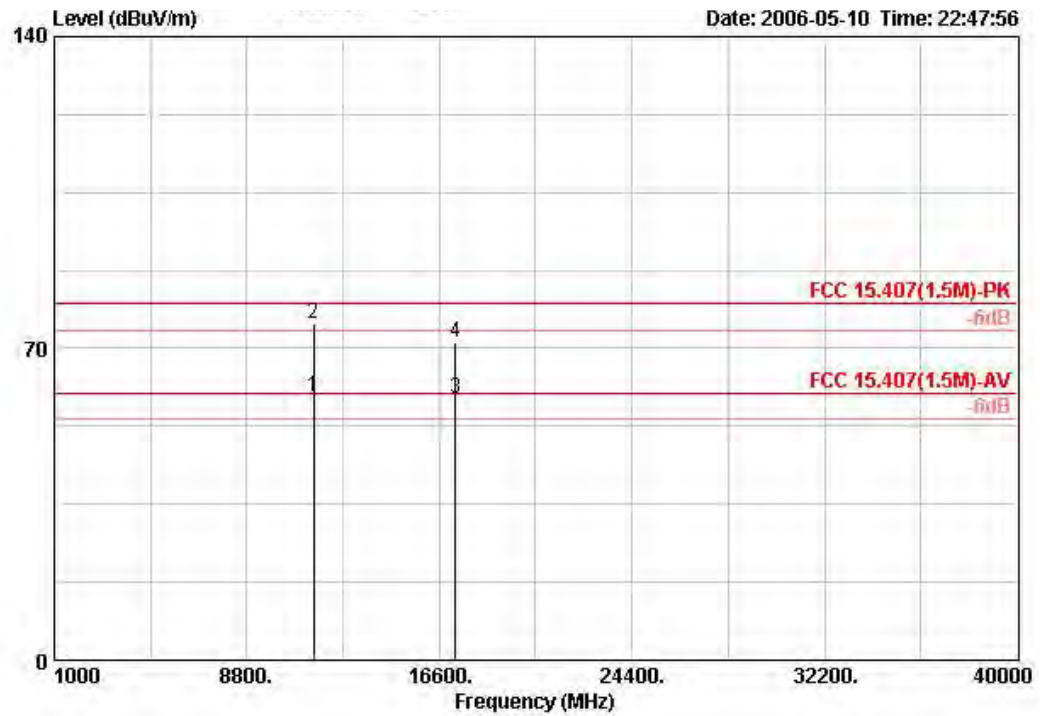
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 149 / Ant. 4

Vertical



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pol/Phase	Distance
			dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11485.400	70.97	-9.03	80.00	59.61	38.69	7.66	34.98	PEAK	VERTICAL	3
2	11490.680	58.45	-1.55	60.00	47.08	38.69	7.66	34.98	AVERAGE	VERTICAL	3
3	17237.600	67.30	-12.70	80.00	50.88	42.47	8.87	34.92	PEAK	VERTICAL	3
4	17238.640	54.53	-5.47	60.00	38.11	42.47	8.87	34.92	AVERAGE	VERTICAL	3

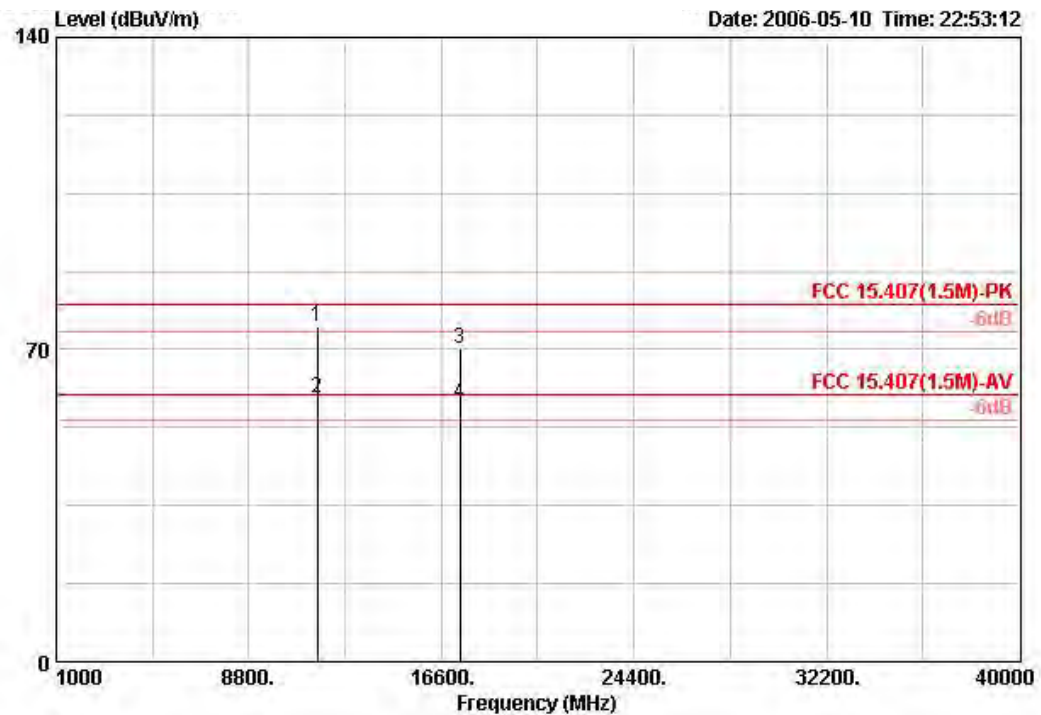
Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	11490.780	59.05	-0.95	60.00	47.69	38.69	7.66	34.98	AVERAGE	HORIZONTAL	3
2	11490.840	75.46	-4.54	80.00	64.09	38.69	7.66	34.98	PEAK	HORIZONTAL	3
3	17235.800	58.69	-1.31	60.00	42.28	42.47	8.87	34.92	AVERAGE	HORIZONTAL	3
4	17240.240	71.36	-8.64	80.00	54.95	42.47	8.87	34.92	PEAK	HORIZONTAL	3

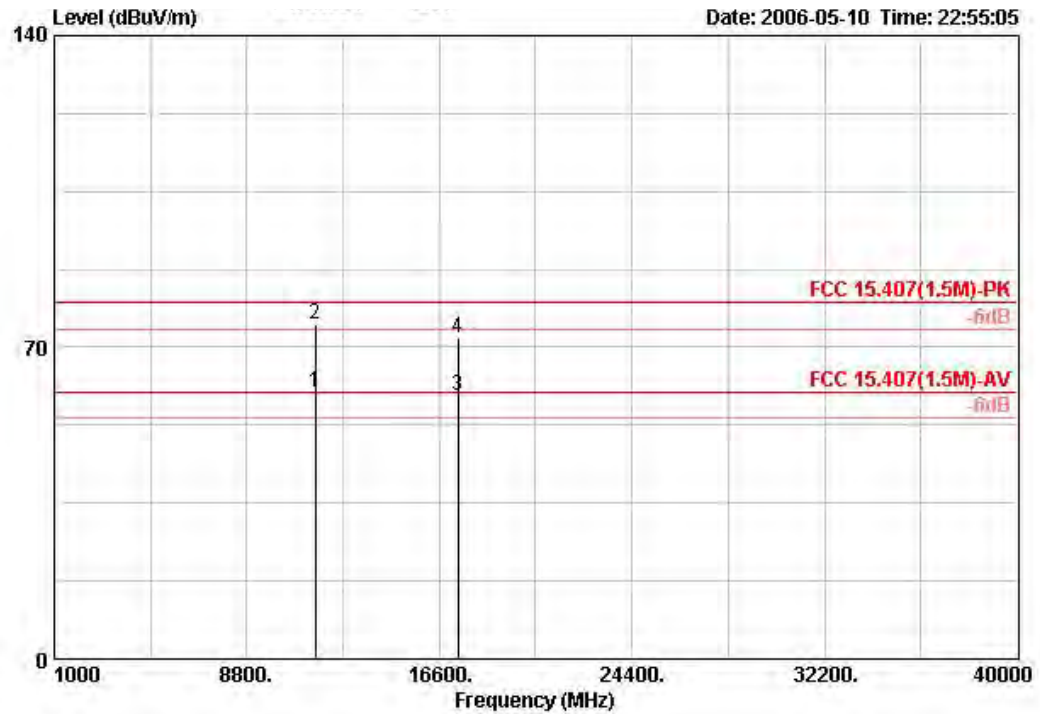
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 157 / Ant. 4

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 !	11570.960	75.30	-4.70	80.00	63.82	38.81	7.67	35.00	PEAK	VERTICAL	3
2 B	11572.000	59.15	-0.85	60.00	47.68	38.81	7.67	35.00	AVERAGE	VERTICAL	3
3	17347.400	70.24	-9.76	80.00	53.29	43.05	8.86	34.96	PEAK	VERTICAL	3
4 B	17355.840	58.03	-1.97	60.00	41.07	43.05	8.86	34.96	AVERAGE	VERTICAL	3

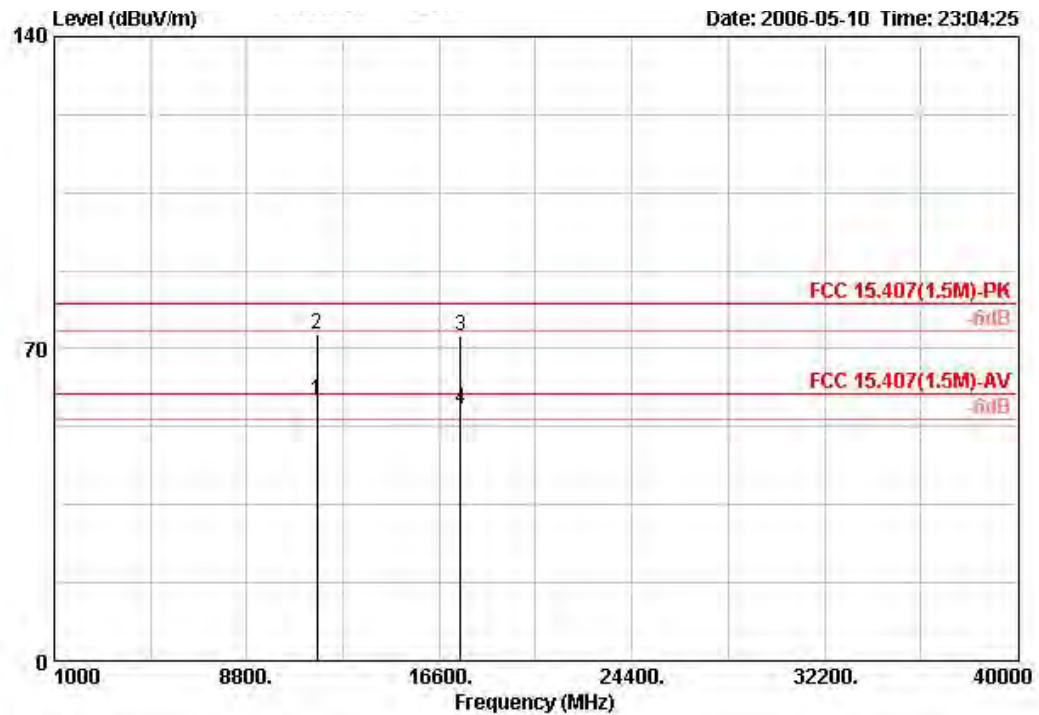
Horizontal



	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	11569.080	59.74	-0.26	60.00	48.26	38.81	7.67	35.00	AVERAGE	HORIZONTAL	3
2	11569.440	75.17	-4.83	80.00	63.69	38.81	7.67	35.00	PEAK	HORIZONTAL	3
3	17354.920	58.97	-1.03	60.00	42.01	43.05	8.86	34.96	AVERAGE	HORIZONTAL	3
4	17355.920	72.05	-7.95	80.00	55.09	43.05	8.86	34.96	PEAK	HORIZONTAL	3

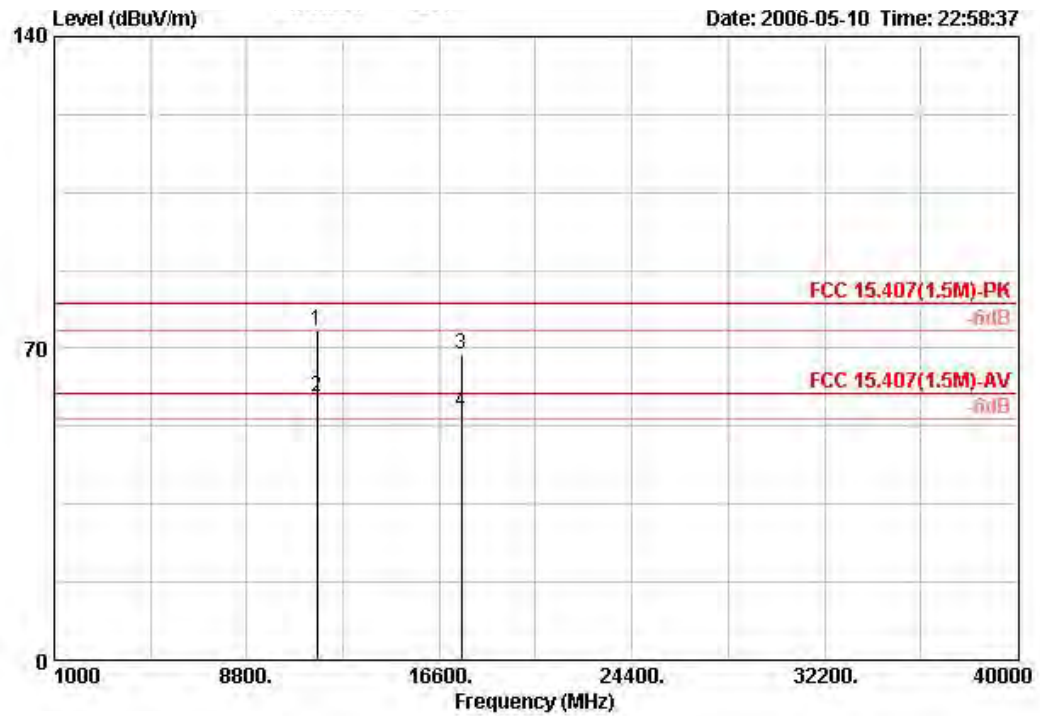
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 165 / Ant. 4

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 @	11654.960	58.29	-1.71	60.00	46.67	38.95	7.69	35.01	AVERAGE	VERTICAL	3
2	11654.960	73.29	-6.71	80.00	61.67	38.95	7.69	35.01	PEAK	VERTICAL	3
3	17470.640	72.80	-7.20	80.00	55.31	43.63	8.85	35.00	PEAK	VERTICAL	3
4 !	17470.640	56.48	-3.52	60.00	38.99	43.63	8.85	35.00	AVERAGE	VERTICAL	3

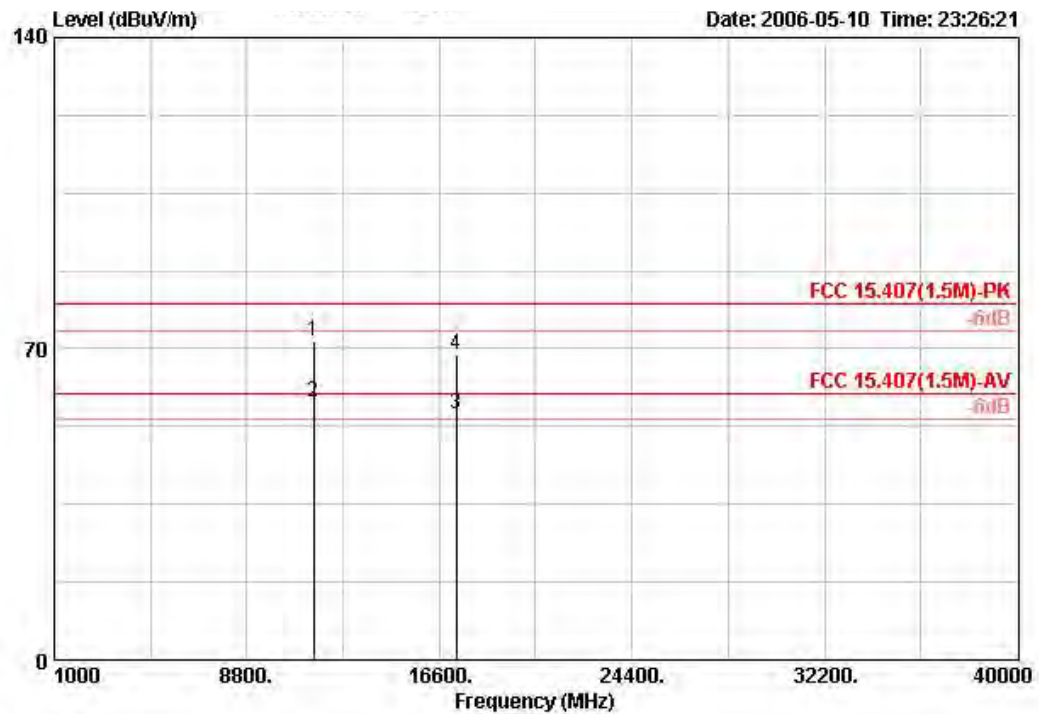
Horizontal



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		m
1 !	11649.400	74.06	-5.94	80.00	62.46	38.92	7.69	35.01	PEAK	3
2 3	11650.280	59.10	-0.90	60.00	47.50	38.92	7.69	35.01	AVERAGE	3
3	17476.880	68.62	-11.38	80.00	51.14	43.63	8.85	35.00	PEAK	3
4 !	17477.000	55.70	-4.30	60.00	38.21	43.63	8.85	35.00	AVERAGE	3

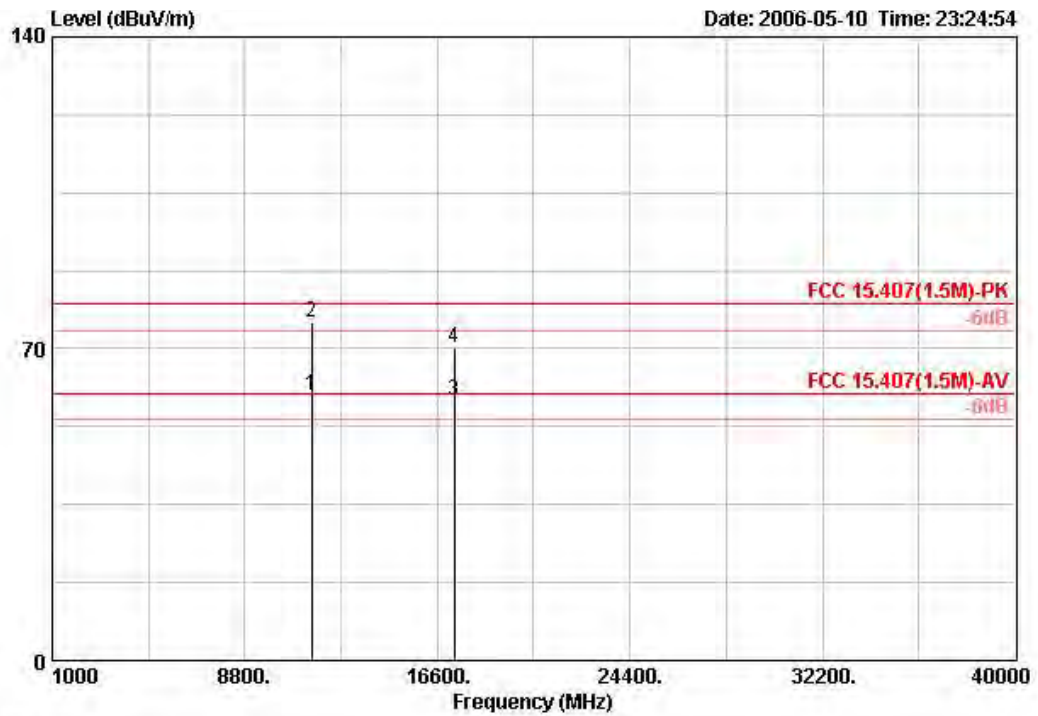
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 152 / Ant. 4

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	11518.760	71.68	-8.32	80.00	60.30	38.73	7.65	35.00	PEAK	VERTICAL
2	11520.440	58.14	-1.86	60.00	46.76	38.73	7.65	35.00	AVERAGE	VERTICAL
3	17280.920	55.15	-4.85	60.00	38.49	42.72	8.87	34.93	AVERAGE	VERTICAL
4	17288.840	68.56	-11.44	80.00	51.91	42.72	8.87	34.94	PEAK	VERTICAL

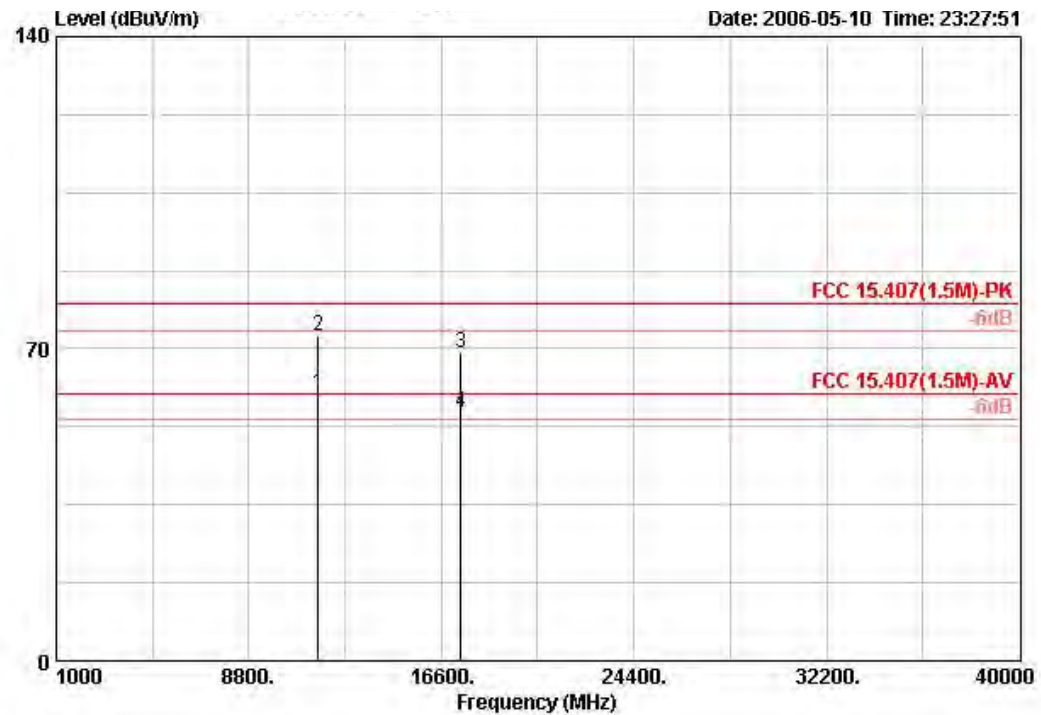
Horizontal



	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
1	11520.680	59.44	-0.56	60.00	48.06	38.73	7.65	35.00	AVERAGE	HORIZONTAL
2	11521.040	76.04	-3.96	80.00	64.66	38.73	7.65	35.00	PEAK	HORIZONTAL
3	17277.920	58.39	-1.61	60.00	41.74	42.72	8.87	34.93	AVERAGE	HORIZONTAL
4	17279.960	70.28	-9.72	80.00	53.62	42.72	8.87	34.93	PEAK	HORIZONTAL

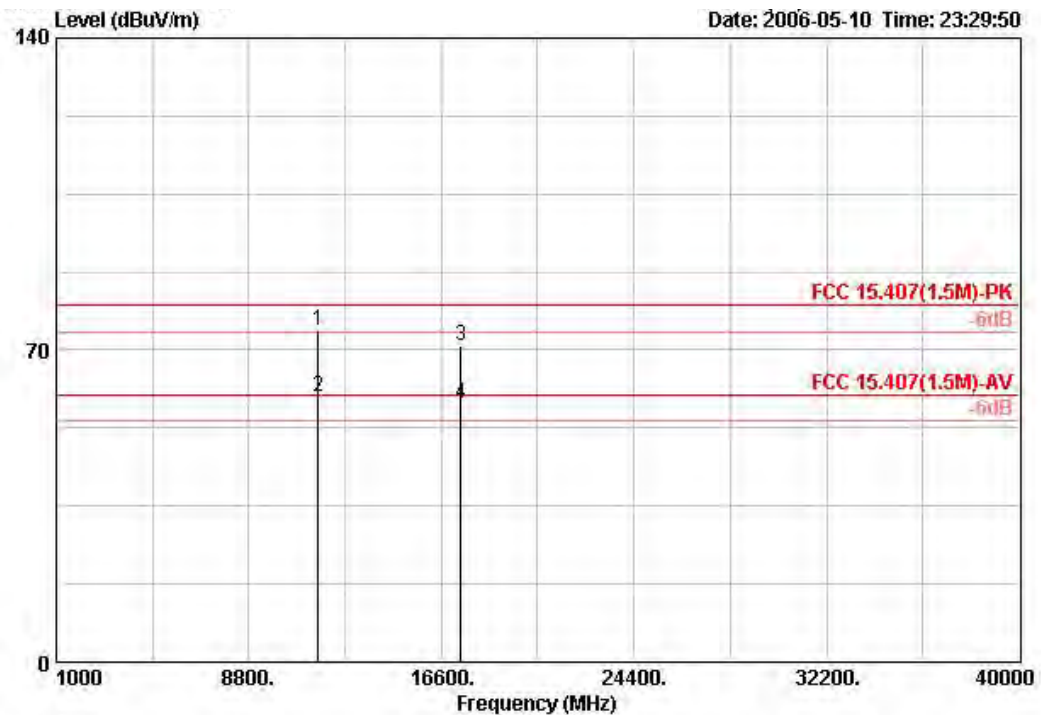
Temperature	24°C	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 160 / Ant. 4

Verical



	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	11599.600	59.83	-0.17	60.00	48.30	38.87	7.67	35.01	AVERAGE	VERTICAL	3
2	11599.840	73.05	-6.95	80.00	61.52	38.87	7.67	35.01	PEAK	VERTICAL	3
3	17392.080	69.20	-10.80	80.00	52.09	43.22	8.86	34.97	PEAK	VERTICAL	3
4	17404.320	55.54	-4.46	60.00	38.36	43.30	8.86	34.97	AVERAGE	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 !	11598.760	74.21	-5.79	80.00	62.71	38.84	7.67	35.01	PEAK	HORIZONTAL	3
2 @	11599.880	59.54	-0.46	60.00	48.01	38.87	7.67	35.01	AVERAGE	HORIZONTAL	3
3	17396.560	70.85	-9.15	80.00	53.66	43.30	8.86	34.97	PEAK	HORIZONTAL	3
4 @	17400.280	57.81	-2.19	60.00	40.63	43.30	8.86	34.97	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 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 / 1 MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (other emission)	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.

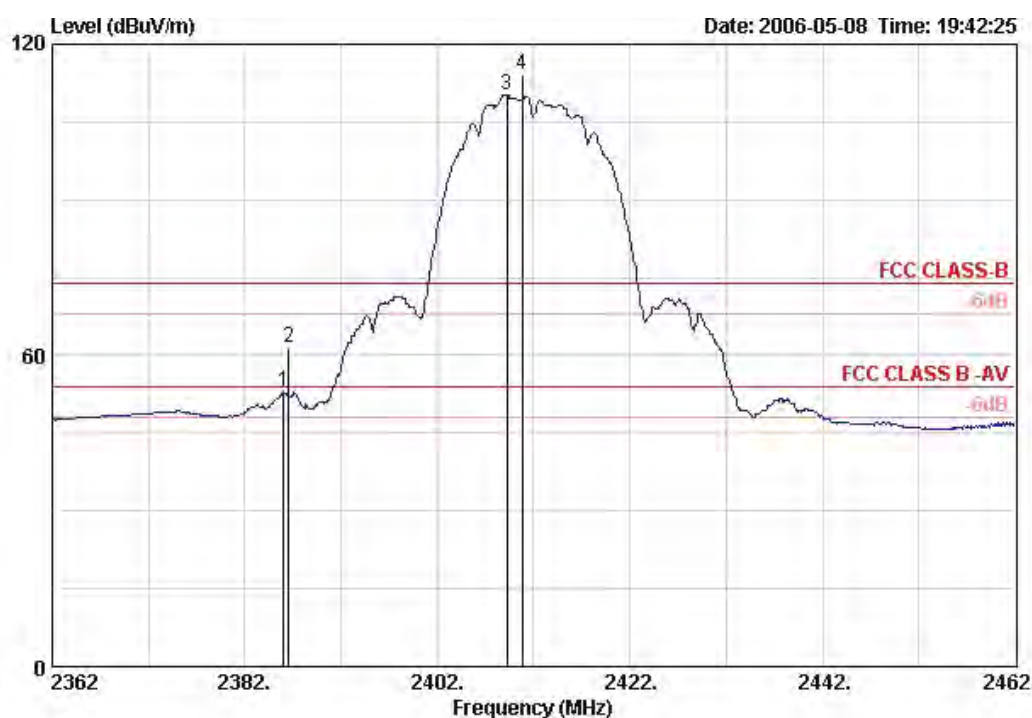
4.6.6. EUT Operation during Test

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 Channel 1, 11 / Ant. 1

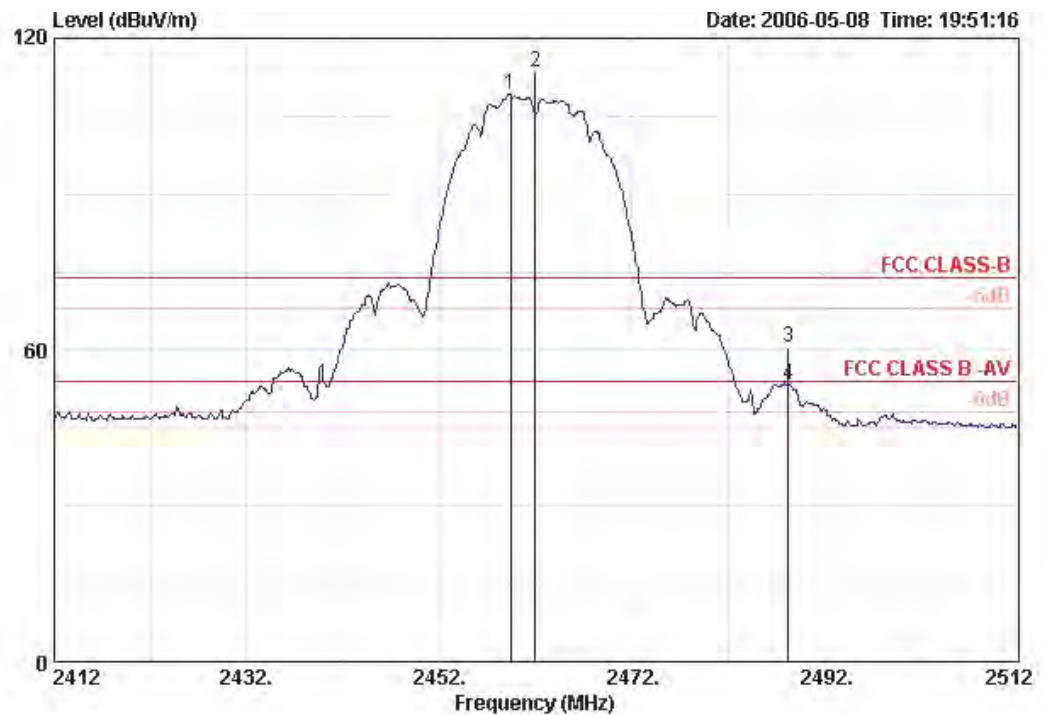
Channel 1



	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 !	2386.000	52.92	-1.08	54.00	21.28	28.88	2.76	0.00	AVERAGE	VERTICAL	3
2	2386.600	61.51	-12.49	74.00	29.87	28.88	2.76	0.00	PEAK	VERTICAL	3
3 E	2409.200	110.28			78.60	28.90	2.79	0.00	AVERAGE	VERTICAL	3
4	2410.800	114.06			82.37	28.90	2.79	0.00	PEAK	VERTICAL	3

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

Channel 11

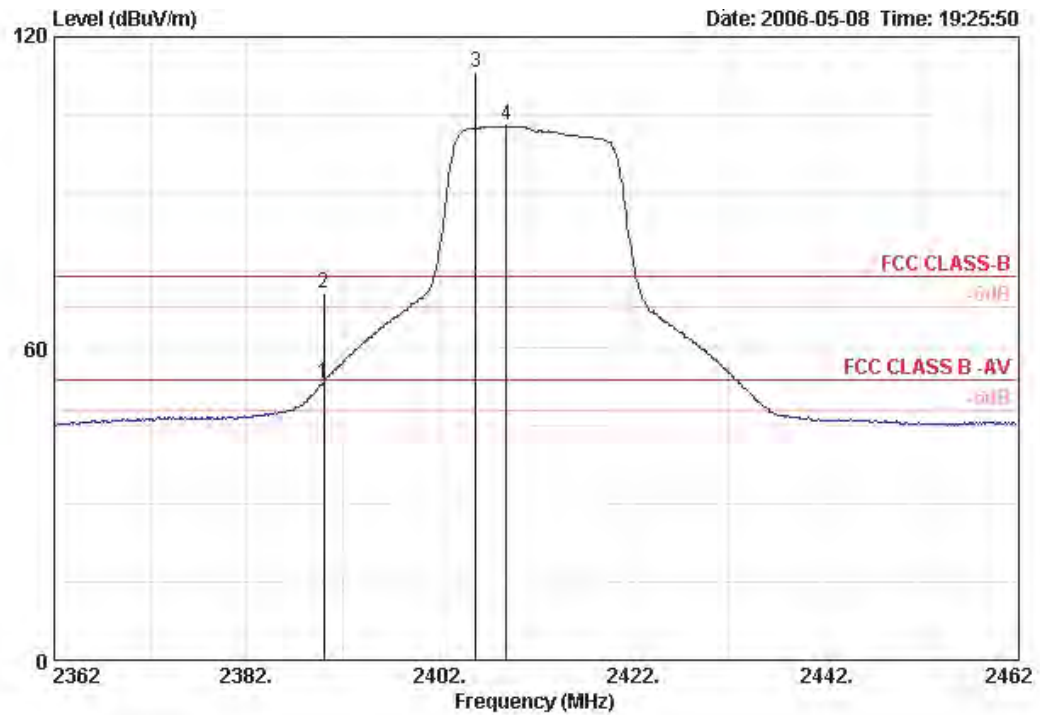


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 B	2459.400	109.06			77.29	28.96	2.81	0.00	AVERAGE	VERTICAL	3
2	2462.000	113.45			81.68	28.96	2.81	0.00	PEAK	VERTICAL	3
3	2488.200	60.50	-13.50	74.00	28.66	29.00	2.84	0.00	PEAK	VERTICAL	3
4 I	2488.200	53.42	-0.58	54.00	21.58	29.00	2.84	0.00	AVERAGE	VERTICAL	3

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

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

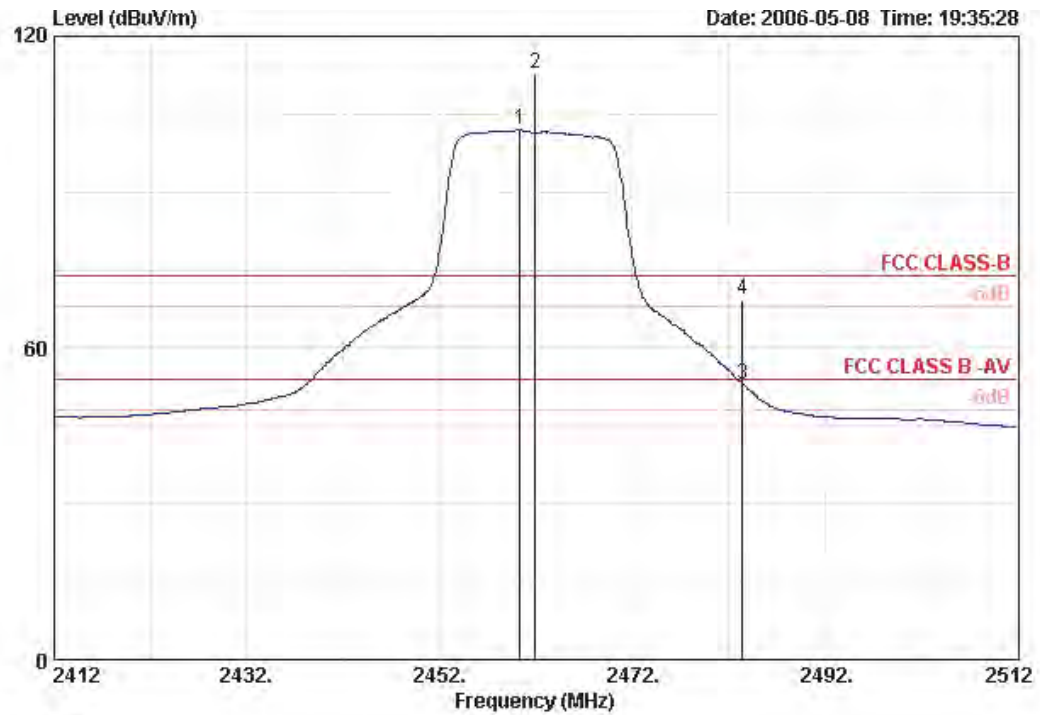
Channel 1



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pol/Phase	Distance
			dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 !	2390.000	53.40	-0.60	54.00	21.76	28.88	2.76	0.00	AVERAGE	VERTICAL	3
2 !	2390.000	70.74	-3.26	74.00	39.10	28.88	2.76	0.00	PEAK	VERTICAL	3
3	2405.800	113.11			81.43	28.90	2.79	0.00	PEAK	VERTICAL	3
4	2409.000	102.84			71.15	28.90	2.79	0.00	AVERAGE	VERTICAL	3

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

Channel 11

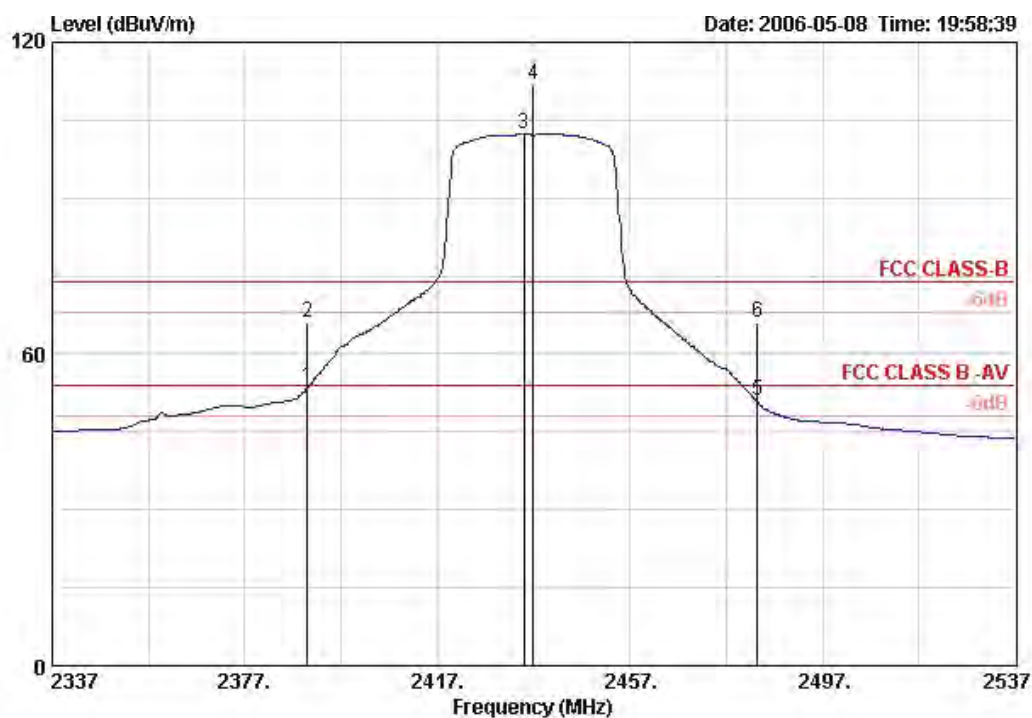


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	2460.400	101.90			70.13	28.96	2.81	0.00	AVERAGE	VERTICAL	3
2	2462.000	112.71			80.94	28.96	2.81	0.00	PEAK	VERTICAL	3
3 !	2483.500	53.00	-1.00	54.00	21.18	28.98	2.84	0.00	AVERAGE	VERTICAL	3
4 !	2483.500	69.30	-4.70	74.00	37.49	28.98	2.84	0.00	PEAK	VERTICAL	3

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

Temperature	24°C	Humidity	64%
Test Engineer	Leo Hung	Configurations	802.11g Turbo Channel 6 / Ant. 1

Turbo Channel 6



	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	53.59	-0.41	54.00	21.95	28.88	2.76	0.00	AVERAGE	HORIZONTAL	3
2	2390.000	66.01	-7.99	74.00	34.37	28.88	2.76	0.00	PEAK	HORIZONTAL	3
3	2435.000	102.39			70.68	28.92	2.79	0.00	AVERAGE	HORIZONTAL	3
4	2437.000	111.91			80.18	28.94	2.79	0.00	PEAK	HORIZONTAL	3
5 !	2483.500	50.88	-3.12	54.00	19.06	28.98	2.84	0.00	AVERAGE	HORIZONTAL	3
6	2483.500	66.06	-7.94	74.00	34.24	28.98	2.84	0.00	PEAK	HORIZONTAL	3

Item 3 and 4 are the fundamental frequency at 2437 MHz.

Note:

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

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

Receiving maximum band edge emissions are Horizontal Polarization.