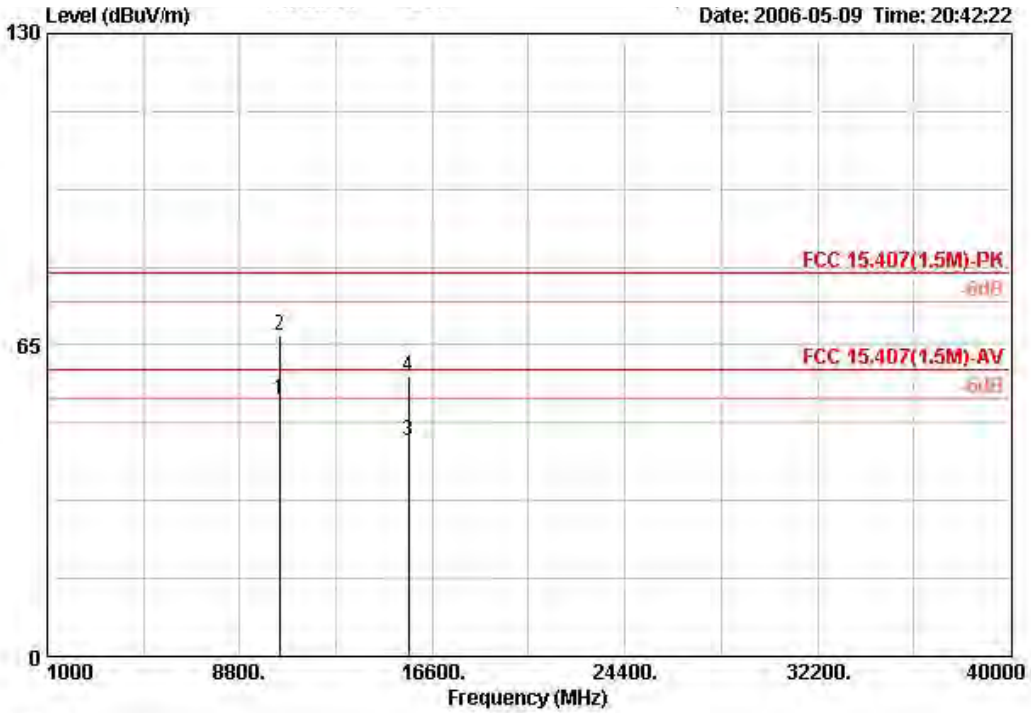
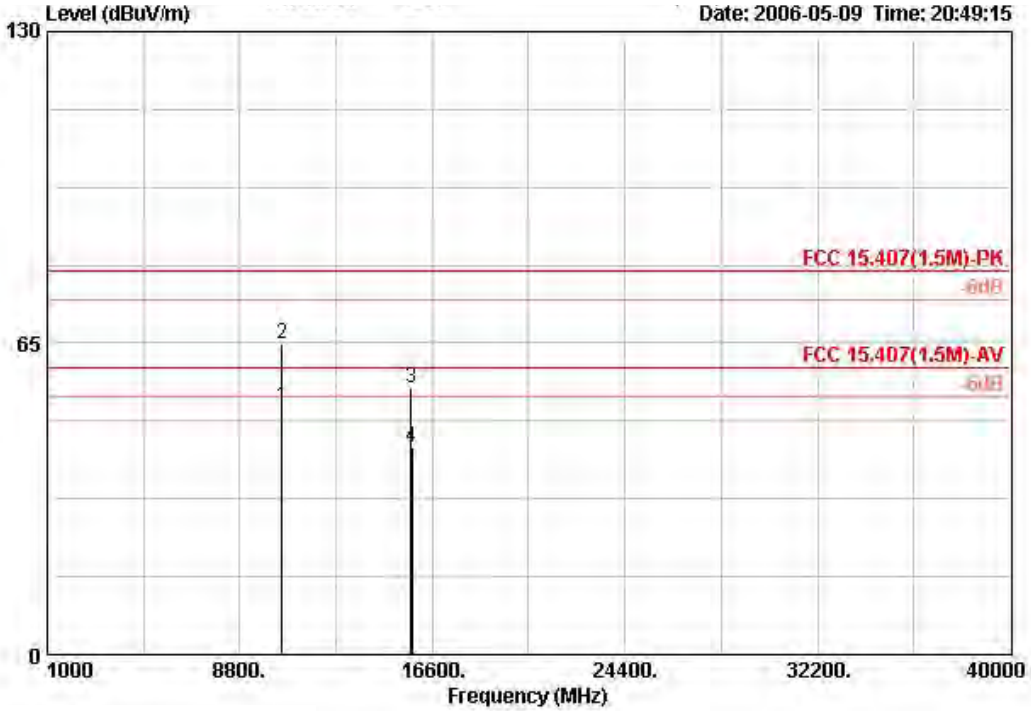
Horizontal



	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	10420.880	53.32	-6.68	60.00	42.29	38.37	7.71	35.05	AVERAGE	HORIZONTAL	3
2	10420.920	66.78	-13.22	80.00	55.76	38.37	7.71	35.05	PEAK	HORIZONTAL	3
3	15628.840	44.95	-15.05	60.00	33.88	37.93	8.45	35.32	AVERAGE	HORIZONTAL	3
4	15634.520	58.50	-21.50	80.00	47.43	37.93	8.45	35.32	PEAK	HORIZONTAL	3

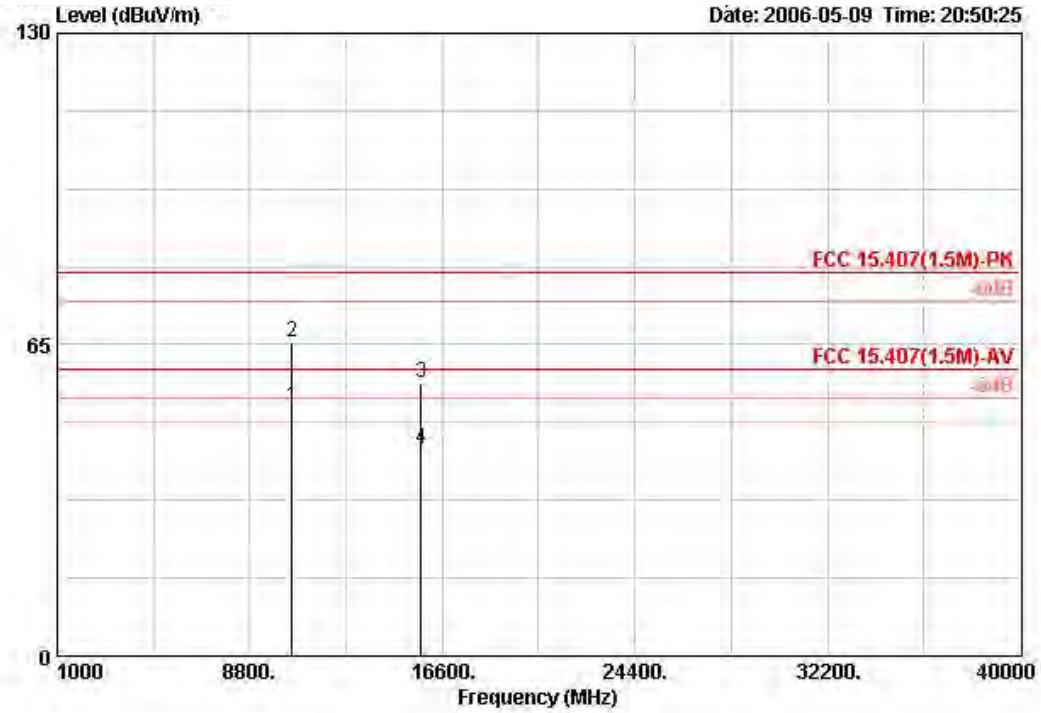
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 50 / Ant. 1

Vertical



	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	10499.600	51.81	-8.19	60.00	40.89	38.10	7.75	34.93	AVERAGE	VERTICAL	3
2	10500.280	64.88	-15.12	80.00	53.95	38.10	7.75	34.93	PEAK	VERTICAL	3
3	15752.520	55.49	-24.51	80.00	44.58	37.79	8.48	35.36	PEAK	VERTICAL	3
4	15759.480	43.23	-16.77	60.00	32.32	37.79	8.48	35.36	AVERAGE	VERTICAL	3

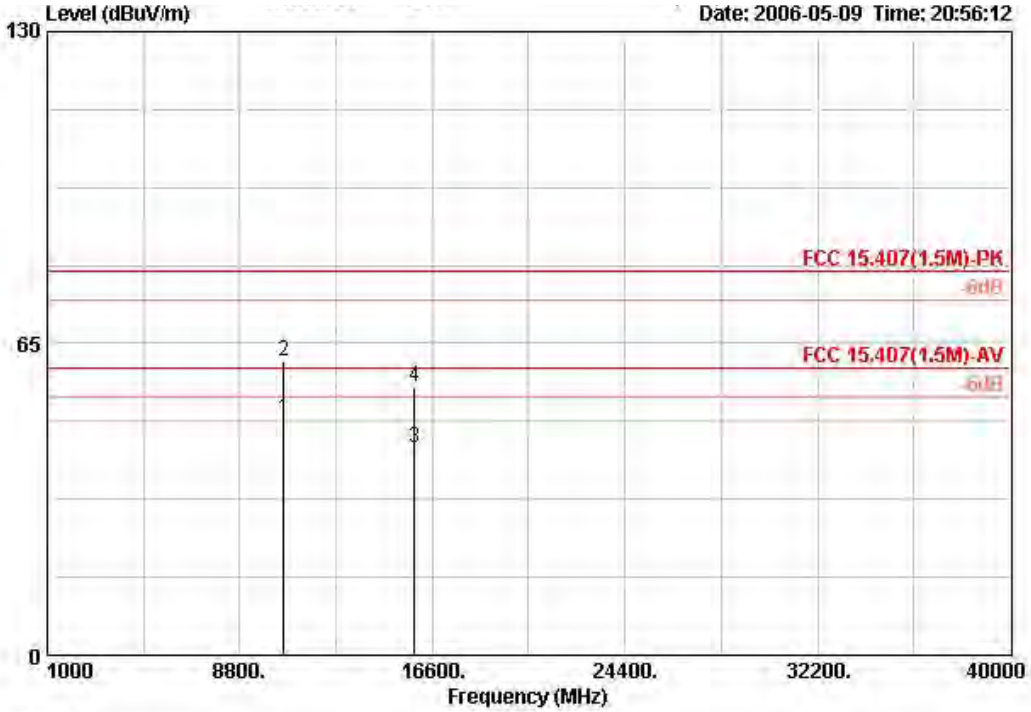
Horizontal



	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	10499.400	52.16	-7.84	60.00	41.24	38.10	7.75	34.93	AVERAGE	HORIZONTAL	3
2	10500.920	65.44	-14.56	80.00	54.52	38.10	7.75	34.93	PEAK	HORIZONTAL	3
3	15748.960	57.07	-22.93	80.00	46.15	37.79	8.48	35.35	PEAK	HORIZONTAL	3
4	15750.920	43.30	-16.70	60.00	32.38	37.79	8.48	35.35	AVERAGE	HORIZONTAL	3

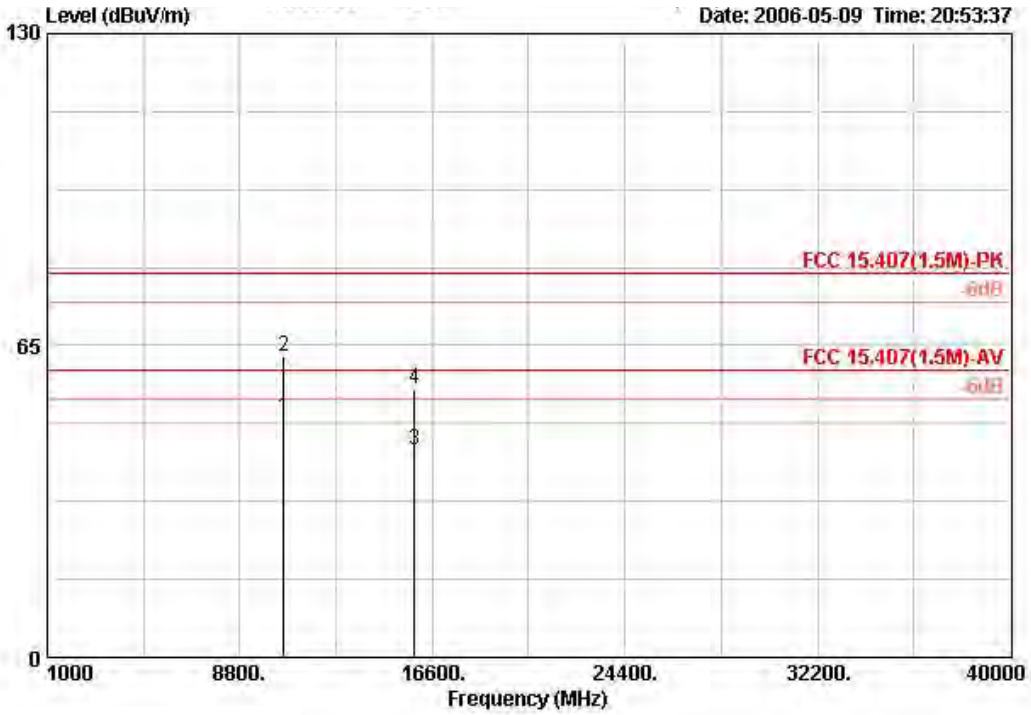
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 58 / Ant. 1

Vertical



	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	10579.960	49.10	-10.90	60.00	38.08	38.17	7.75	34.90	AVERAGE	VERTICAL	3
2	10580.120	61.43	-18.57	80.00	50.42	38.17	7.75	34.90	PEAK	VERTICAL	3
3	15863.640	43.13	-16.87	60.00	32.34	37.67	8.52	35.40	AVERAGE	VERTICAL	3
4	15864.920	56.11	-23.89	80.00	45.33	37.67	8.52	35.40	PEAK	VERTICAL	3

Horizontal



	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	10580.200	49.94	-10.06	60.00	38.92	38.17	7.75	34.90	AVERAGE	HORIZONTAL	3
2	10581.000	62.59	-17.41	80.00	51.58	38.17	7.75	34.90	PEAK	HORIZONTAL	3
3	15872.280	43.06	-16.94	60.00	32.29	37.64	8.52	35.40	AVERAGE	HORIZONTAL	3
4	15874.880	55.88	-24.12	80.00	45.11	37.64	8.52	35.40	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.

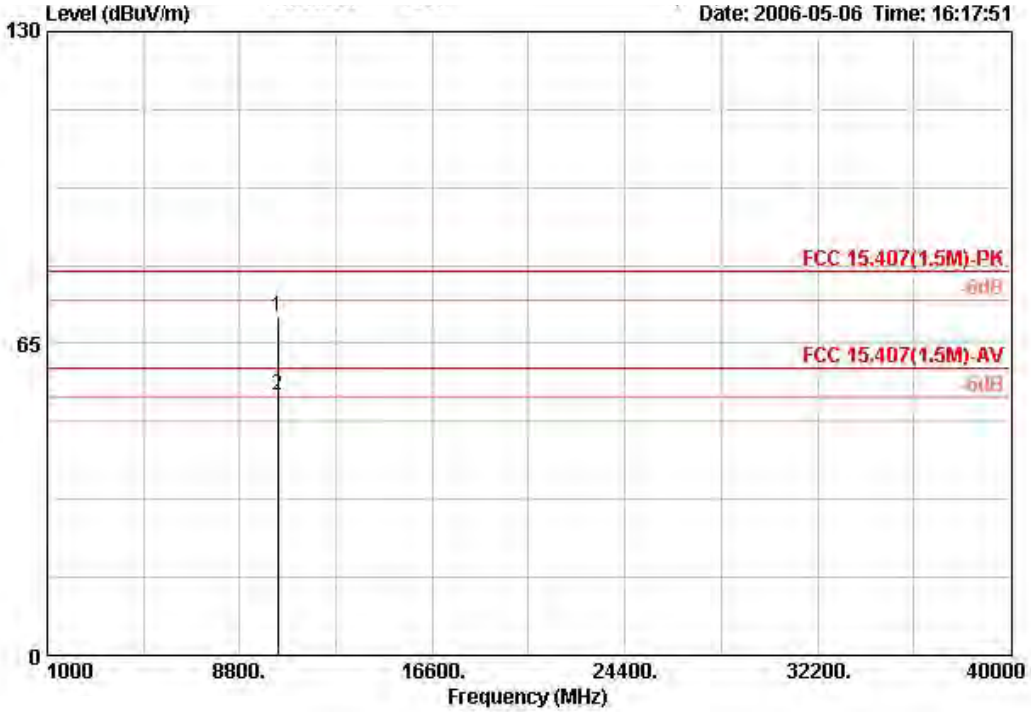
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

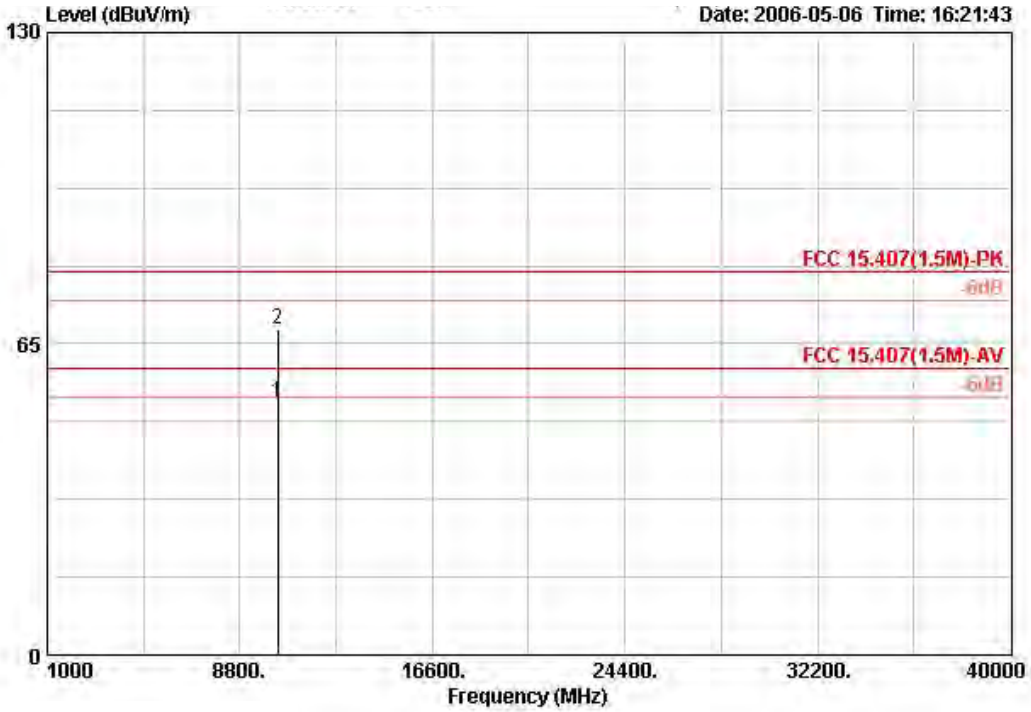
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 36 / Ant. 3

Vertical



	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	10343.060	70.53	-9.47	80.00	59.43	38.58	7.67	35.15	PEAK	VERTICAL	3
2 !	10345.060	54.28	-5.72	60.00	43.18	38.58	7.67	35.15	AVERAGE	VERTICAL	3

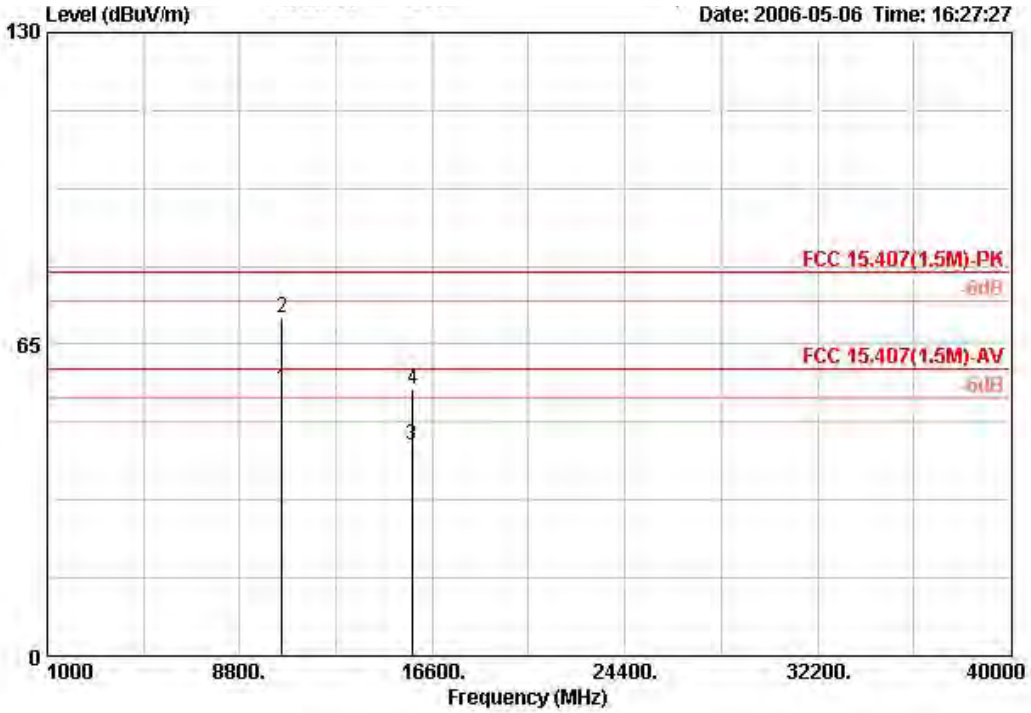
Horizontal



	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	10342.760	52.93	-7.07	60.00	41.83	38.58	7.67	35.15	AVERAGE	HORIZONTAL	3
2	10343.080	68.02	-11.98	80.00	56.91	38.58	7.67	35.15	PEAK	HORIZONTAL	3

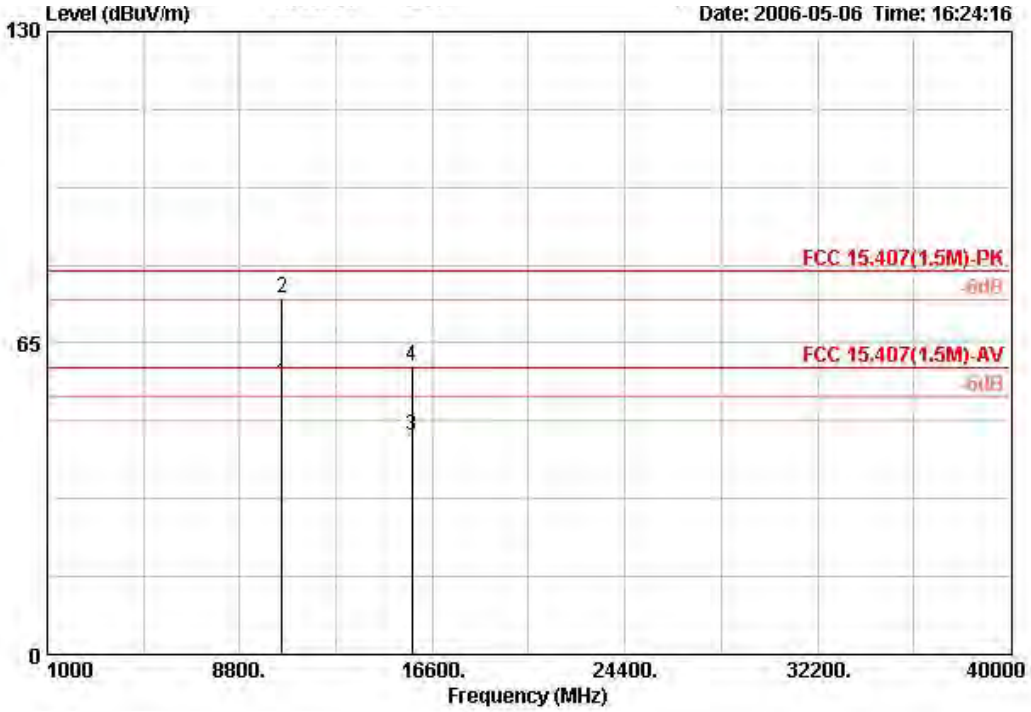
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 52 / Ant. 3

Vertical



	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 !	10525.340	55.60	-4.40	60.00	44.65	38.11	7.75	34.92	AVERAGE	VERTICAL	3
2	10525.700	70.59	-9.41	80.00	59.65	38.11	7.75	34.92	PEAK	VERTICAL	3
3	15781.400	43.95	-16.05	60.00	33.06	37.77	8.50	35.37	AVERAGE	VERTICAL	3
4	15808.300	55.59	-24.41	80.00	44.74	37.73	8.51	35.38	PEAK	VERTICAL	3

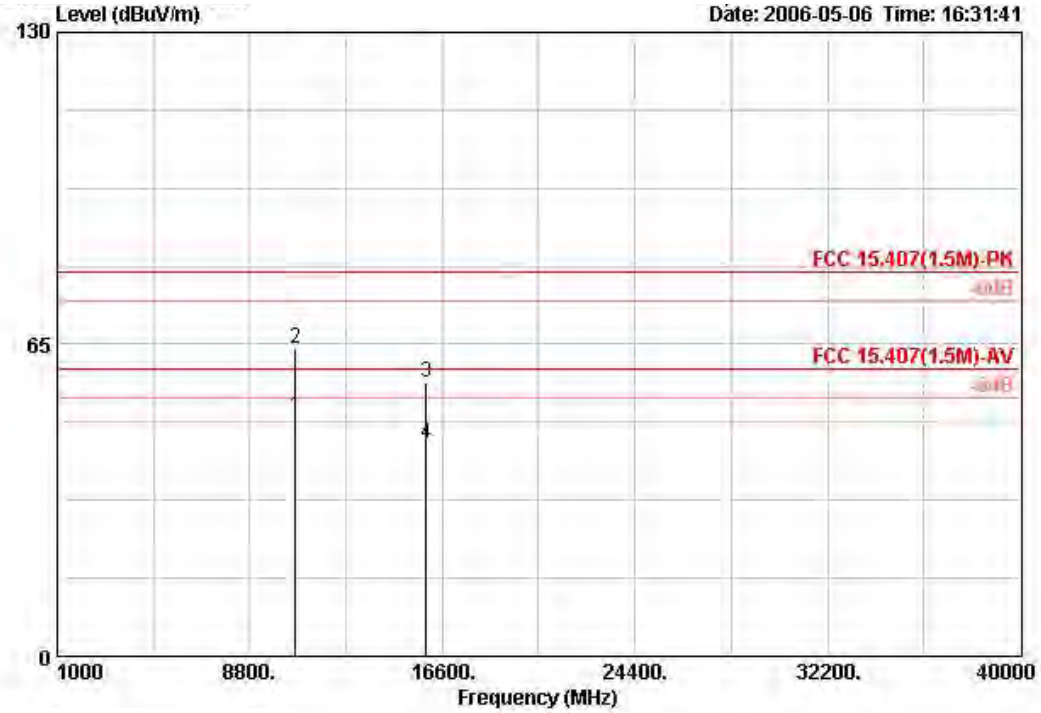
Horizonal



	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 !	10525.200	56.74	-3.26	60.00	45.79	38.11	7.75	34.92	AVERAGE	HORIZONTAL	3
2 !	10525.440	74.45	-5.55	80.00	63.50	38.11	7.75	34.92	PEAK	HORIZONTAL	3
3	15777.520	45.68	-14.32	60.00	34.79	37.77	8.50	35.37	AVERAGE	HORIZONTAL	3
4	15777.880	60.16	-19.84	80.00	49.27	37.77	8.50	35.37	PEAK	HORIZONTAL	3

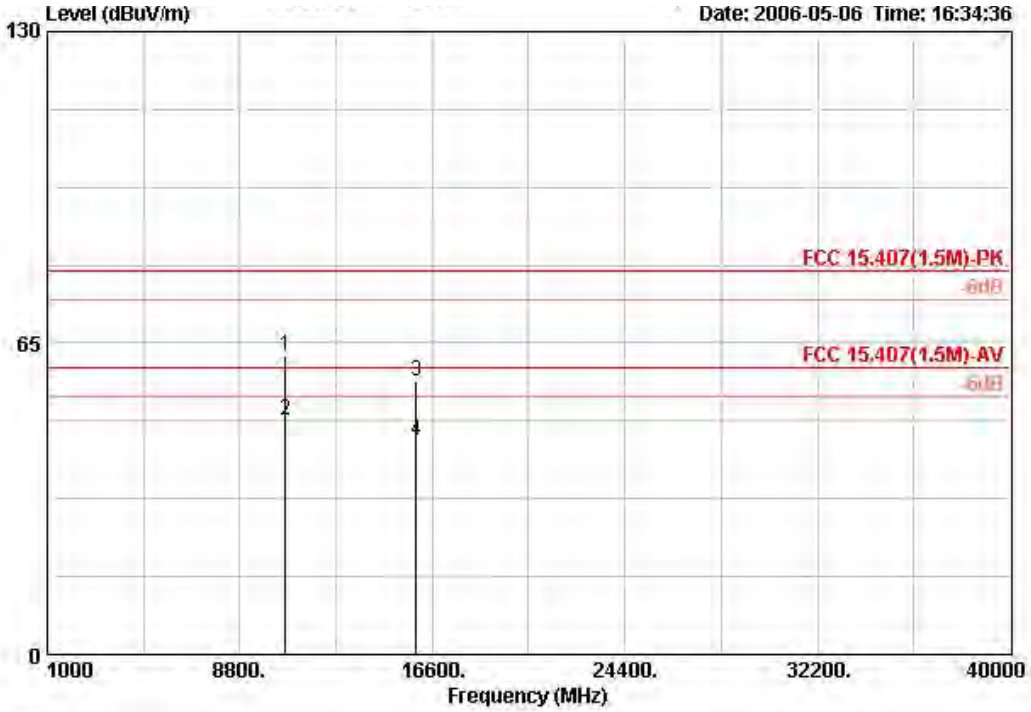
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 64 / Ant. 3

Vertical



	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	10638.880	49.84	-10.16	60.00	38.77	38.21	7.74	34.88	AVERAGE	VERTICAL	3
2	10641.060	64.15	-15.85	80.00	53.08	38.21	7.74	34.88	PEAK	VERTICAL	3
3	15955.910	57.04	-22.96	80.00	46.40	37.54	8.54	35.44	PEAK	VERTICAL	3
4	15957.320	44.21	-15.79	60.00	33.56	37.54	8.55	35.44	AVERAGE	VERTICAL	3

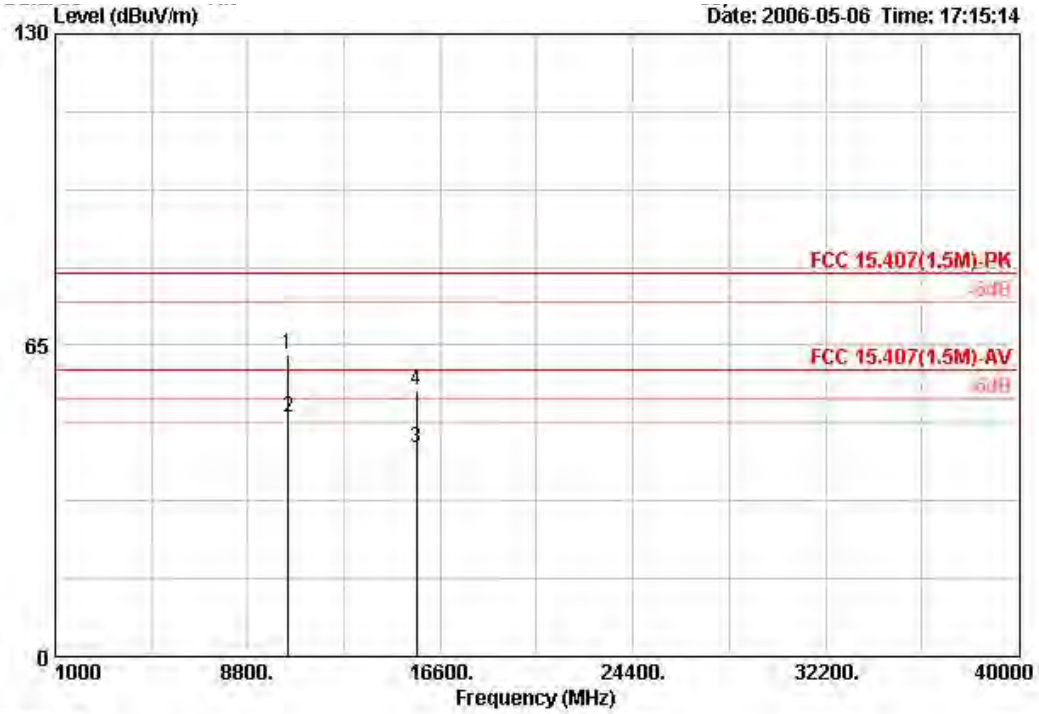
Horizontal



	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	10637.500	62.30	-17.70	80.00	51.23	38.21	7.74	34.88	PEAK	HORIZONTAL	3
2	10639.840	48.95	-11.05	60.00	37.88	38.21	7.74	34.88	AVERAGE	HORIZONTAL	3
3	15939.700	56.94	-23.06	80.00	46.27	37.56	8.54	35.43	PEAK	HORIZONTAL	3
4	15956.900	44.57	-15.43	60.00	33.93	37.54	8.54	35.44	AVERAGE	HORIZONTAL	3

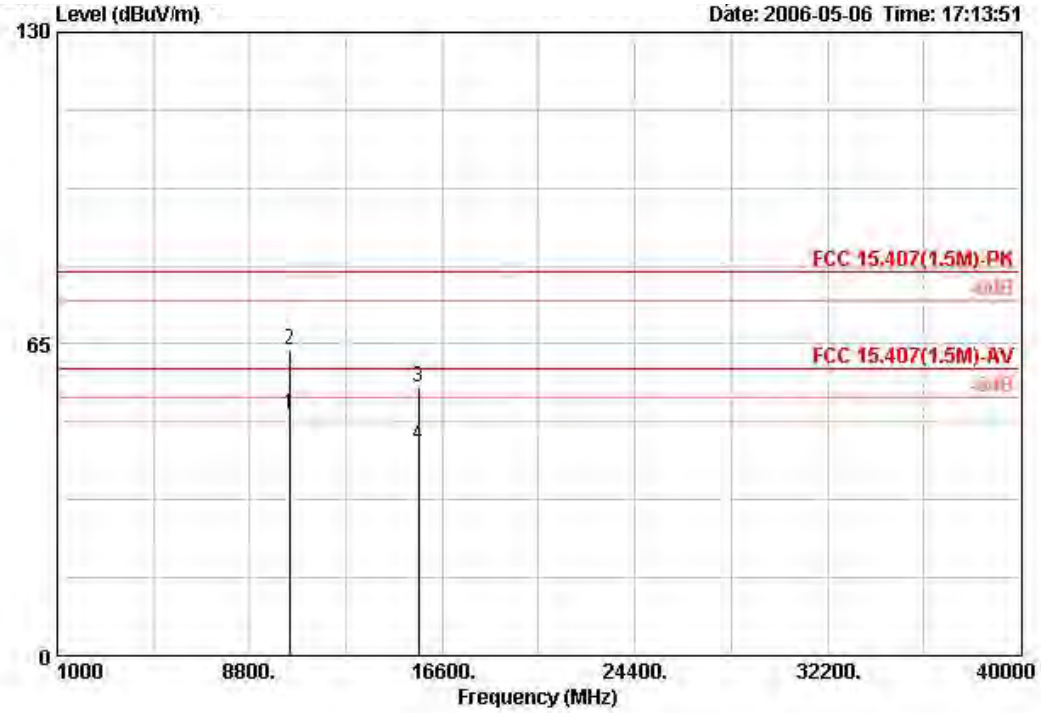
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 42 / Ant. 3

Vertical



	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	10422.230	63.10	-16.90	80.00	52.07	38.37	7.71	35.05	PEAK	VERTICAL	3
2	10424.720	50.02	-9.98	60.00	38.97	38.37	7.71	35.02	AVERAGE	VERTICAL	3
3	15618.240	43.68	-16.32	60.00	32.59	37.96	8.45	35.31	AVERAGE	VERTICAL	3
4	15618.800	55.55	-24.45	80.00	44.45	37.96	8.45	35.31	PEAK	VERTICAL	3

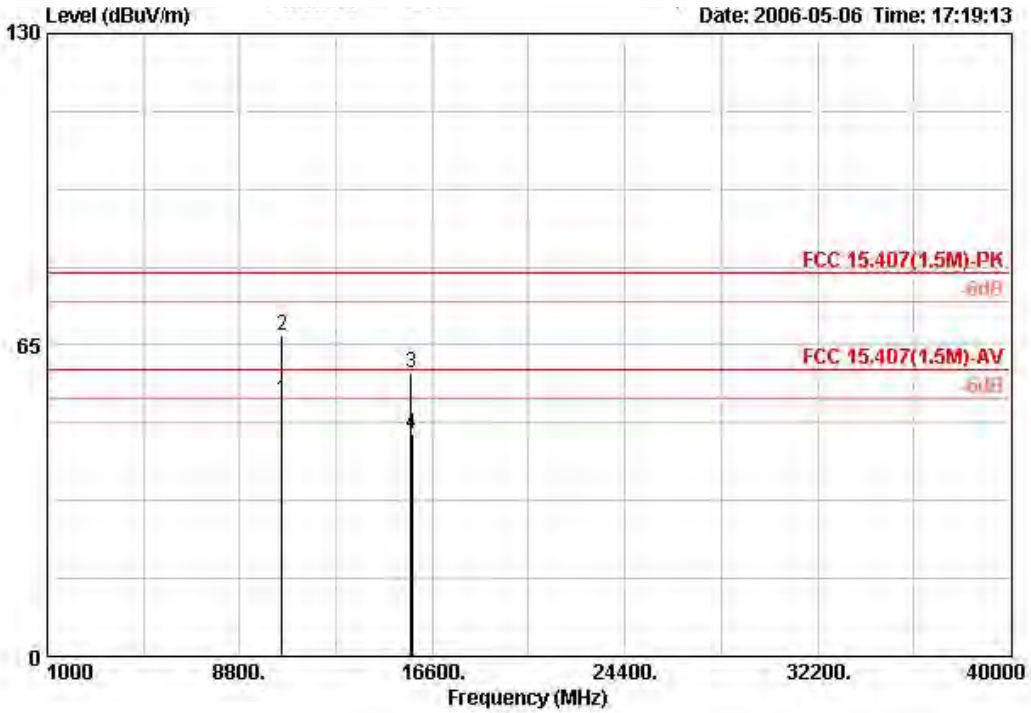
Horizonal



	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	10417.760	50.20	-9.80	60.00	39.18	38.37	7.71	35.05	AVERAGE	HORIZONTAL	3
2	10421.760	63.84	-16.16	80.00	52.82	38.37	7.71	35.05	PEAK	HORIZONTAL	3
3	15632.240	56.04	-23.96	80.00	44.97	37.93	8.45	35.32	PEAK	HORIZONTAL	3
4	15635.360	43.82	-16.18	60.00	32.75	37.93	8.45	35.32	AVERAGE	HORIZONTAL	3

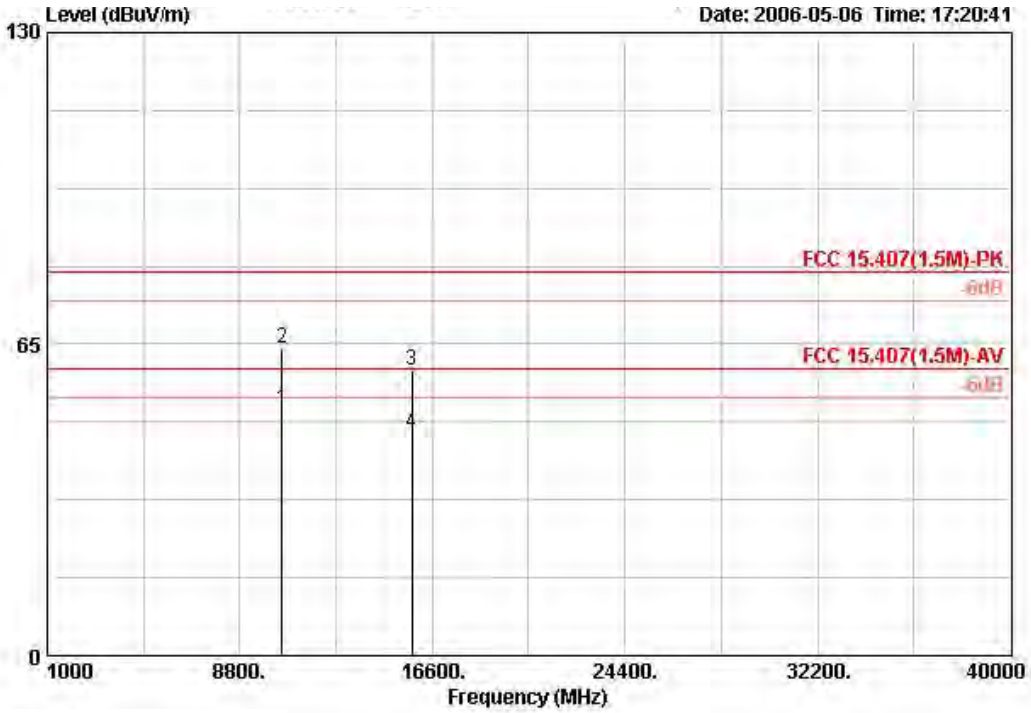
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 50 / Ant. 3

Vertical



	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	10500.960	53.49	-6.51	60.00	42.57	38.10	7.75	34.93	AVERAGE	VERTICAL	3
2	10502.080	66.96	-13.04	80.00	56.04	38.10	7.75	34.93	PEAK	VERTICAL	3
3	15750.560	59.21	-20.79	80.00	48.29	37.79	8.48	35.35	PEAK	VERTICAL	3
4	15758.720	46.26	-13.74	60.00	35.35	37.79	8.48	35.36	AVERAGE	VERTICAL	3

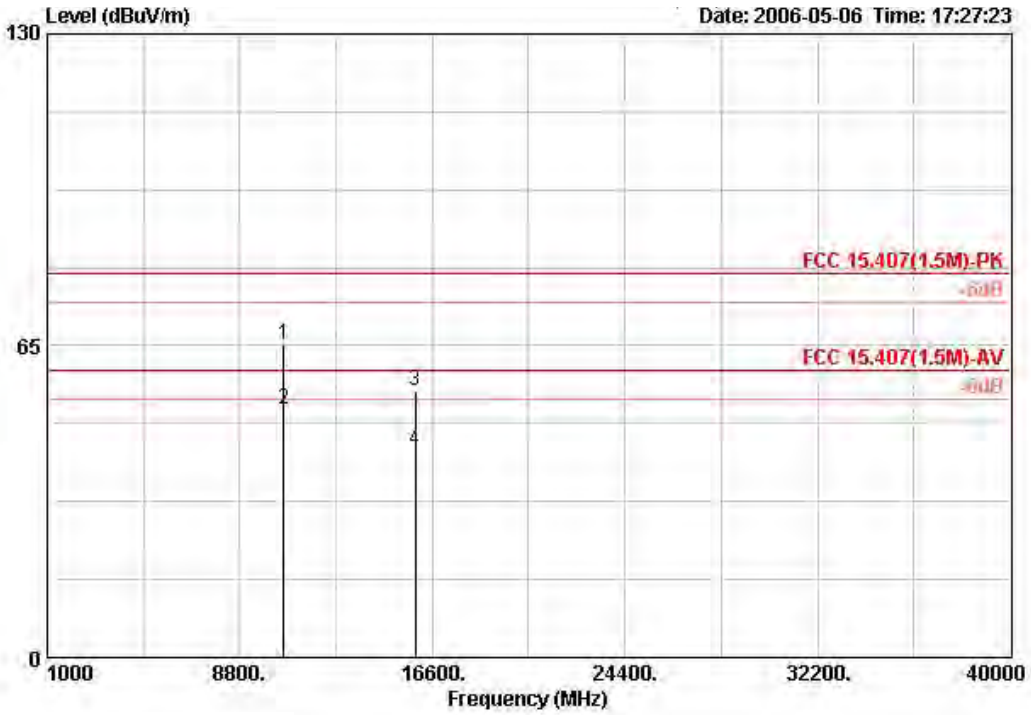
Horizontal



	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	10502.320	51.23	-8.77	60.00	40.30	38.10	7.75	34.93	AVERAGE	HORIZONTAL	3
2	10508.040	63.98	-16.02	80.00	53.06	38.10	7.75	34.93	PEAK	HORIZONTAL	3
3	15756.640	59.62	-20.38	80.00	48.71	37.79	8.48	35.36	PEAK	HORIZONTAL	3
4	15758.080	46.36	-13.64	60.00	35.45	37.79	8.48	35.36	AVERAGE	HORIZONTAL	3

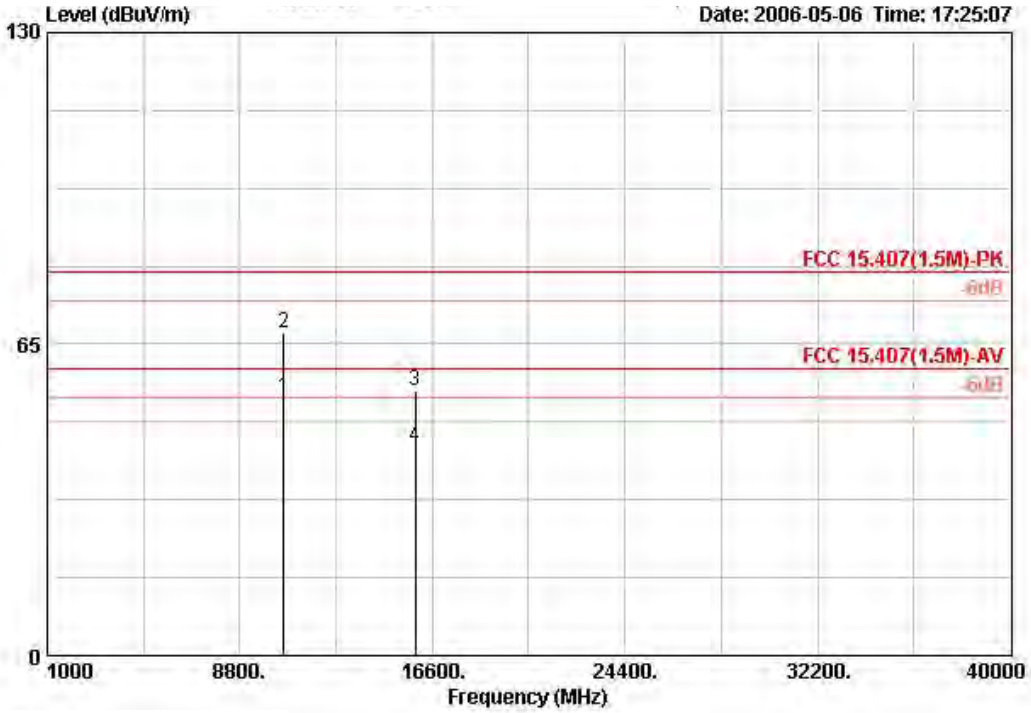
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 58 / Ant. 3

Vertical



	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	10577.000	65.06	-14.94	80.00	54.06	38.16	7.75	34.90	PEAK	VERTICAL	3
2	10579.100	51.67	-8.33	60.00	40.67	38.16	7.75	34.90	AVERAGE	VERTICAL	3
3	15892.300	55.46	-24.54	80.00	44.72	37.62	8.53	35.41	PEAK	VERTICAL	3
4	15894.900	43.39	-16.61	60.00	32.65	37.62	8.53	35.41	AVERAGE	VERTICAL	3

Horizontal



	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	10581.200	53.77	-6.23	60.00	42.76	38.17	7.75	34.90	AVERAGE	HORIZONTAL	3
2	10582.000	67.25	-12.75	80.00	56.23	38.17	7.75	34.90	PEAK	HORIZONTAL	3
3	15893.300	55.42	-24.58	80.00	44.68	37.62	8.53	35.41	PEAK	HORIZONTAL	3
4	15894.100	43.56	-16.44	60.00	32.82	37.62	8.53	35.41	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.

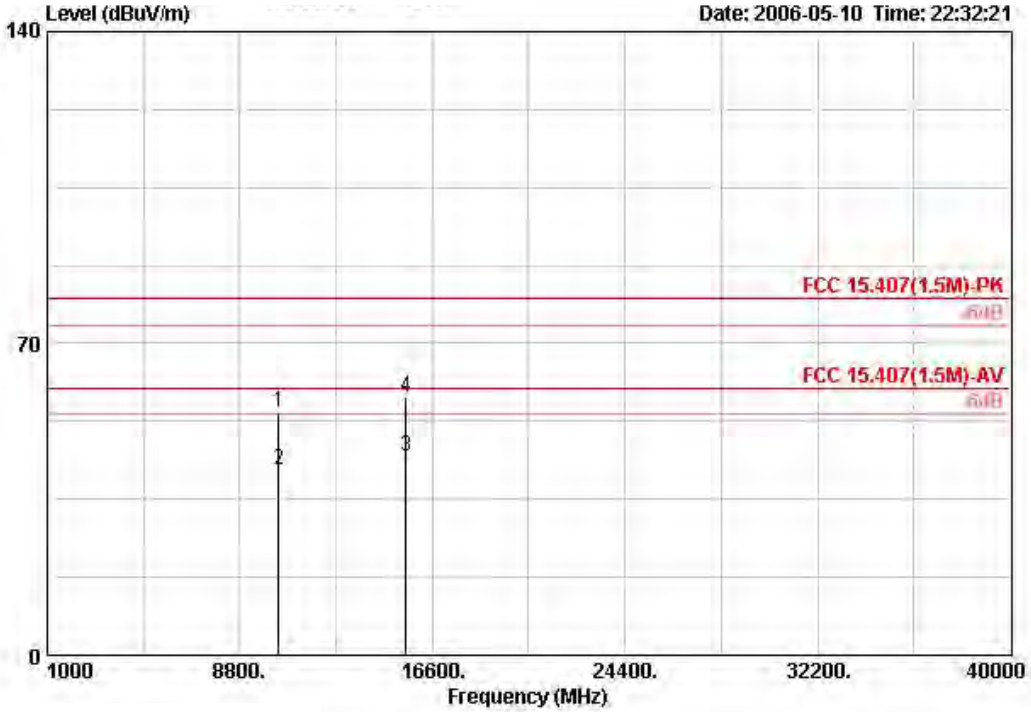
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

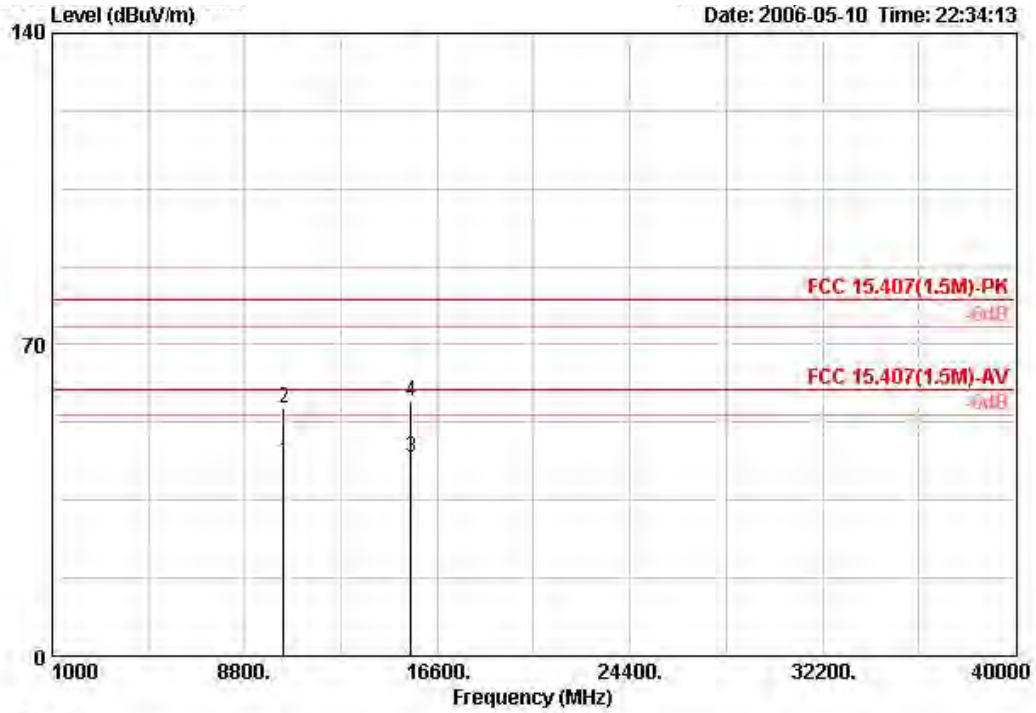
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 36 / Ant. 4

Vertical



	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	10358.540	54.50	-25.50	80.00	43.42	38.53	7.67	35.12	PEAK	VERTICAL	3
2	10363.780	41.52	-18.48	60.00	30.44	38.53	7.67	35.12	AVERAGE	VERTICAL	3
3	15535.580	44.69	-15.31	60.00	33.48	38.06	8.43	35.28	AVERAGE	VERTICAL	3
4	15544.440	57.98	-22.02	80.00	46.79	38.04	8.43	35.28	PEAK	VERTICAL	3

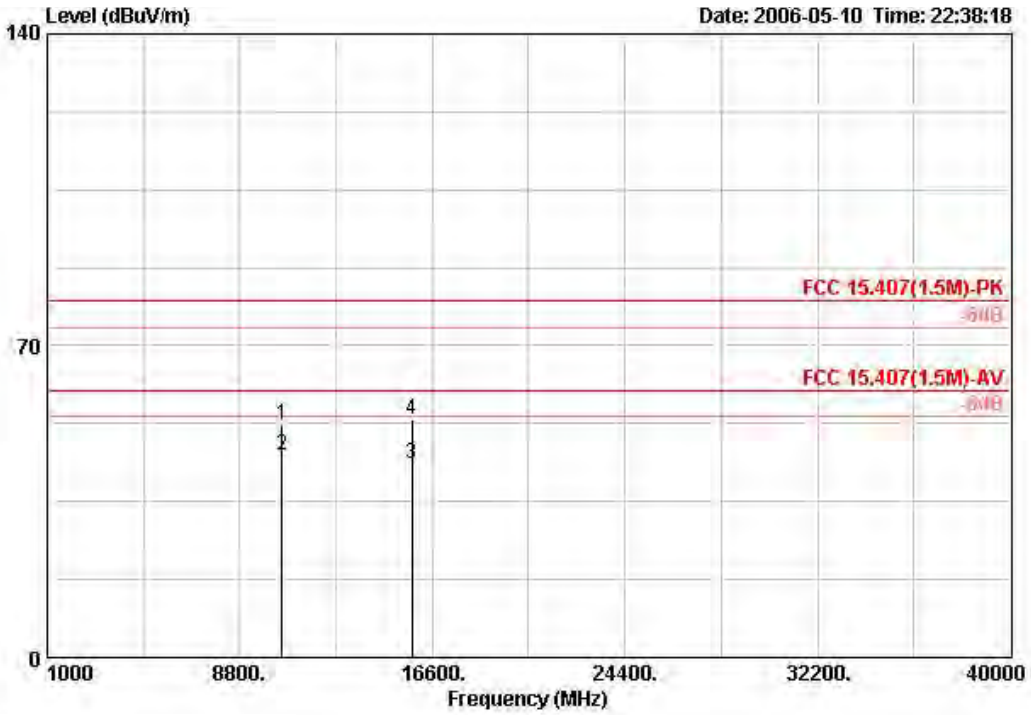
Horizontal



	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	10360.780	43.34	-16.66	60.00	32.26	38.53	7.67	35.12	AVERAGE	HORIZONTAL	3
2	10363.480	55.66	-24.34	80.00	44.58	38.53	7.67	35.12	PEAK	HORIZONTAL	3
3	15537.780	44.78	-15.22	60.00	33.58	38.06	8.43	35.28	AVERAGE	HORIZONTAL	3
4	15539.880	57.25	-22.75	80.00	46.04	38.06	8.43	35.28	PEAK	HORIZONTAL	3

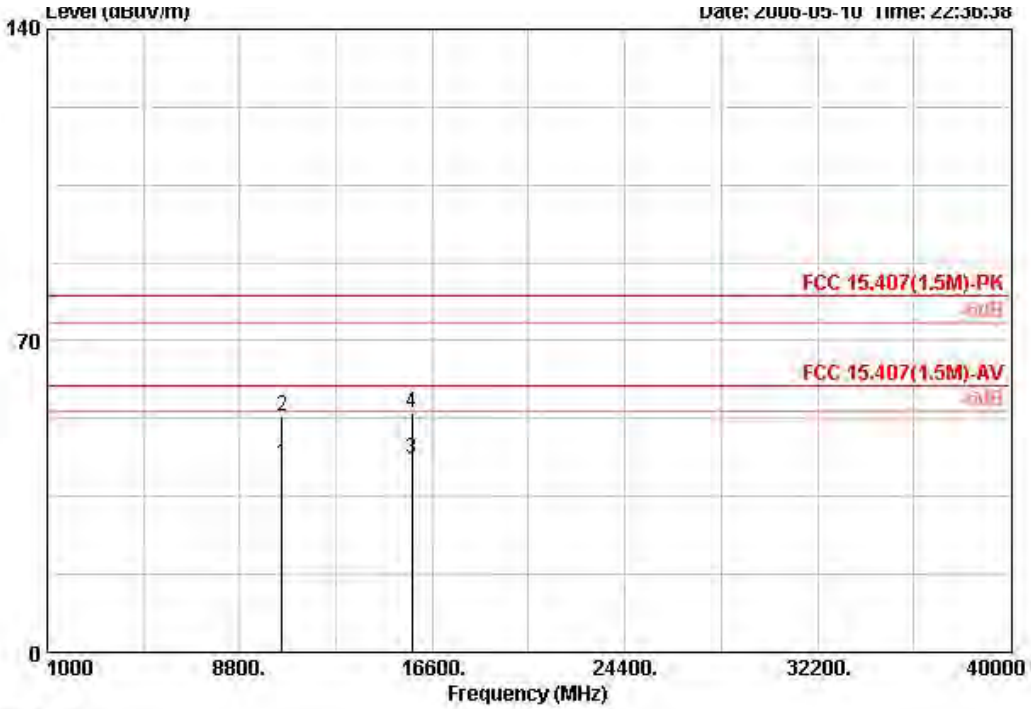
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 52 / Ant. 4

Vertical



	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	10519.900	52.08	-27.92	80.00	41.14	38.11	7.75	34.93	PEAK	VERTICAL	3
2	10523.240	45.52	-14.48	60.00	34.58	38.11	7.75	34.93	AVERAGE	VERTICAL	3
3	15776.720	43.53	-16.47	60.00	32.62	37.77	8.50	35.36	AVERAGE	VERTICAL	3
4	15776.720	53.27	-26.73	80.00	42.37	37.77	8.50	35.36	PEAK	VERTICAL	3

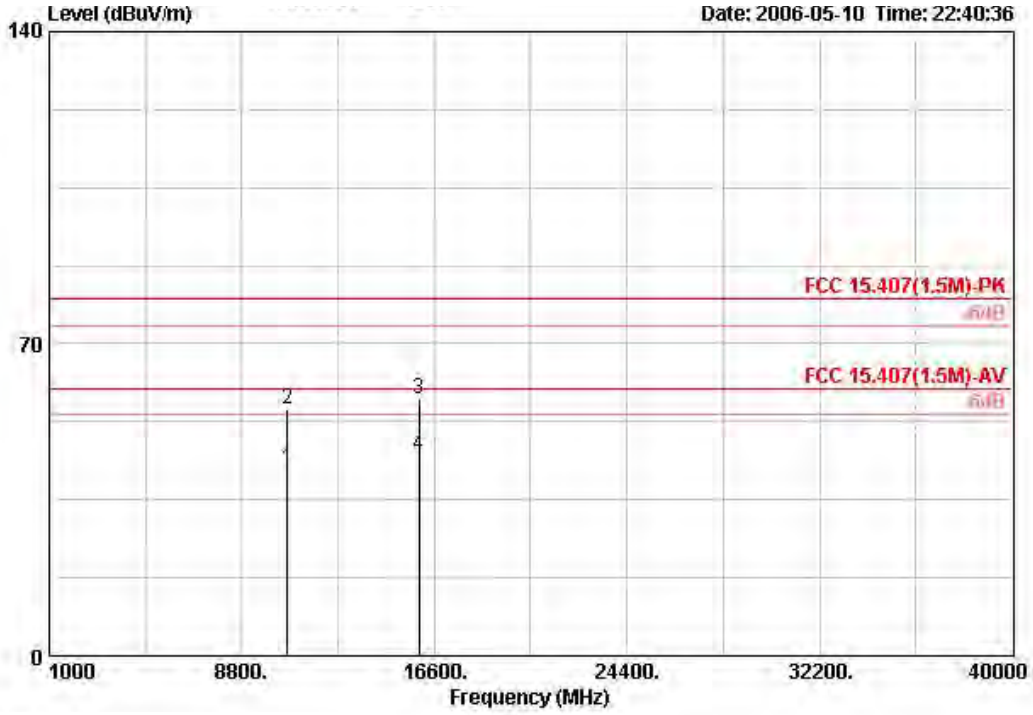
Horizontal



	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	10520.060	42.47	-17.53	60.00	31.53	38.11	7.75	34.93	AVERAGE	HORIZONTAL	3
2	10520.060	53.10	-6.90	60.00	42.16	38.11	7.75	34.93	AVERAGE	HORIZONTAL	3
3	15775.880	43.53	-16.47	60.00	32.63	37.77	8.50	35.36	AVERAGE	HORIZONTAL	3
4	15775.880	53.98	-26.02	80.00	43.08	37.77	8.50	35.36	PEAK	HORIZONTAL	3

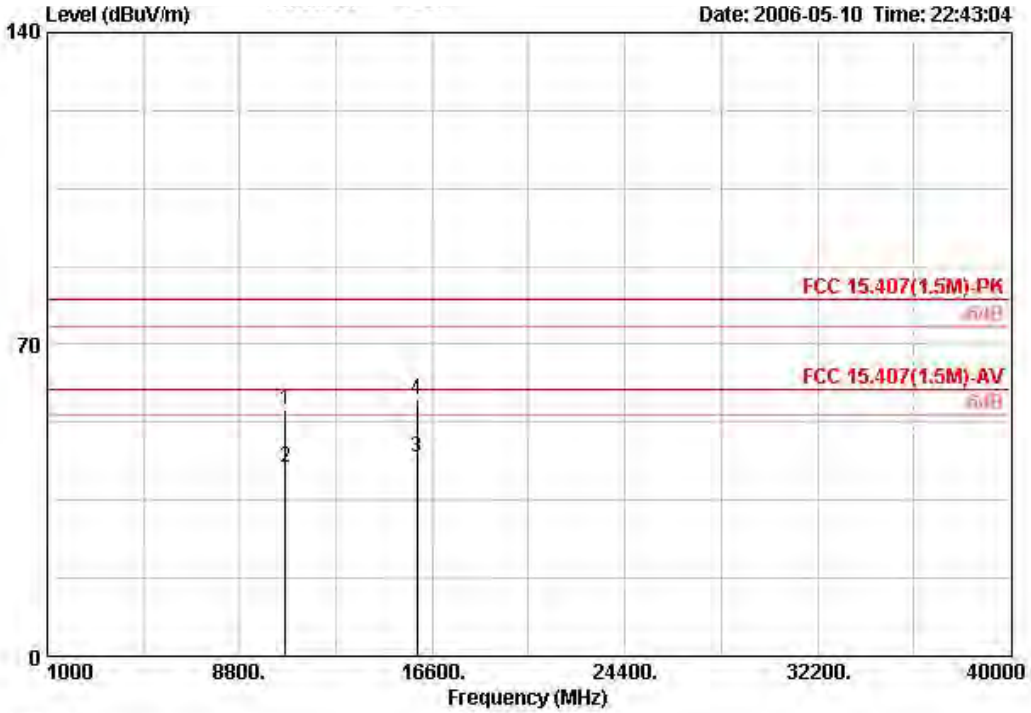
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 64 / Ant. 4

Vertical



	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	10637.680	41.83	-38.17	80.00	30.76	38.21	7.74	34.88	PEAK	VERTICAL	3
2	10641.060	55.50	-24.50	80.00	44.42	38.21	7.74	34.88	PEAK	VERTICAL	3
3	15961.680	57.74	-22.26	80.00	47.09	37.54	8.55	35.44	PEAK	VERTICAL	3
4	15963.940	44.96	-15.04	60.00	34.30	37.54	8.55	35.44	AVERAGE	VERTICAL	3

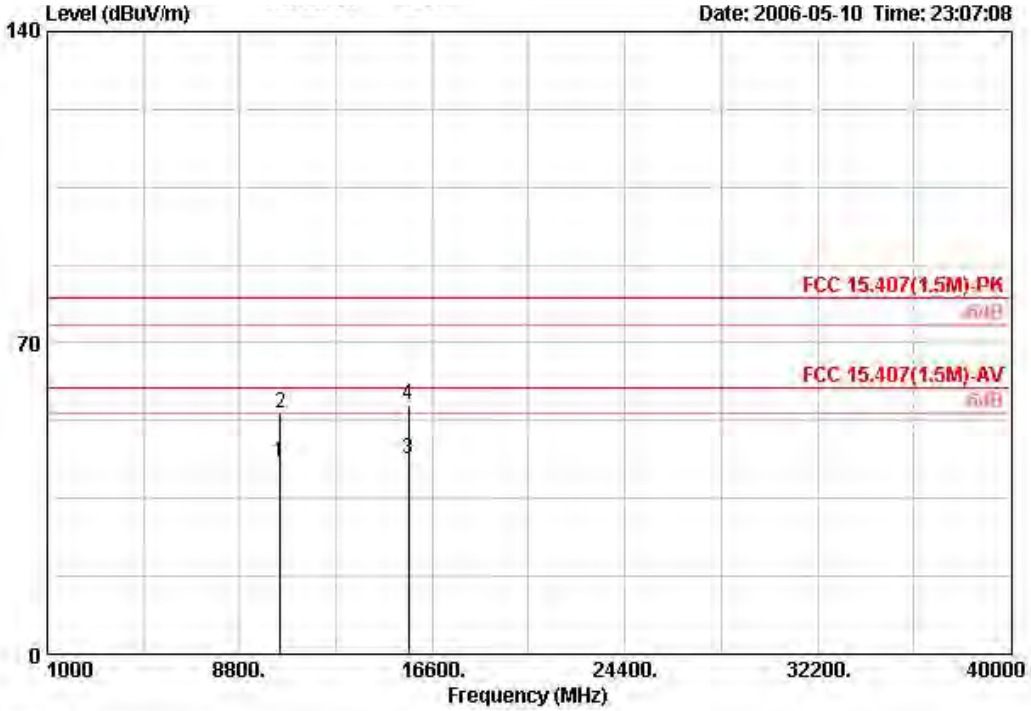
Horizontal



	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	10638.720	55.27	-24.73	80.00	44.19	38.21	7.74	34.88	PEAK	HORIZONTAL	3
2	10640.240	42.48	-17.52	60.00	31.41	38.21	7.74	34.88	AVERAGE	HORIZONTAL	3
3	15963.680	44.78	-15.22	60.00	34.12	37.54	8.55	35.44	AVERAGE	HORIZONTAL	3
4	15964.680	57.63	-22.37	80.00	46.97	37.54	8.55	35.44	PEAK	HORIZONTAL	3

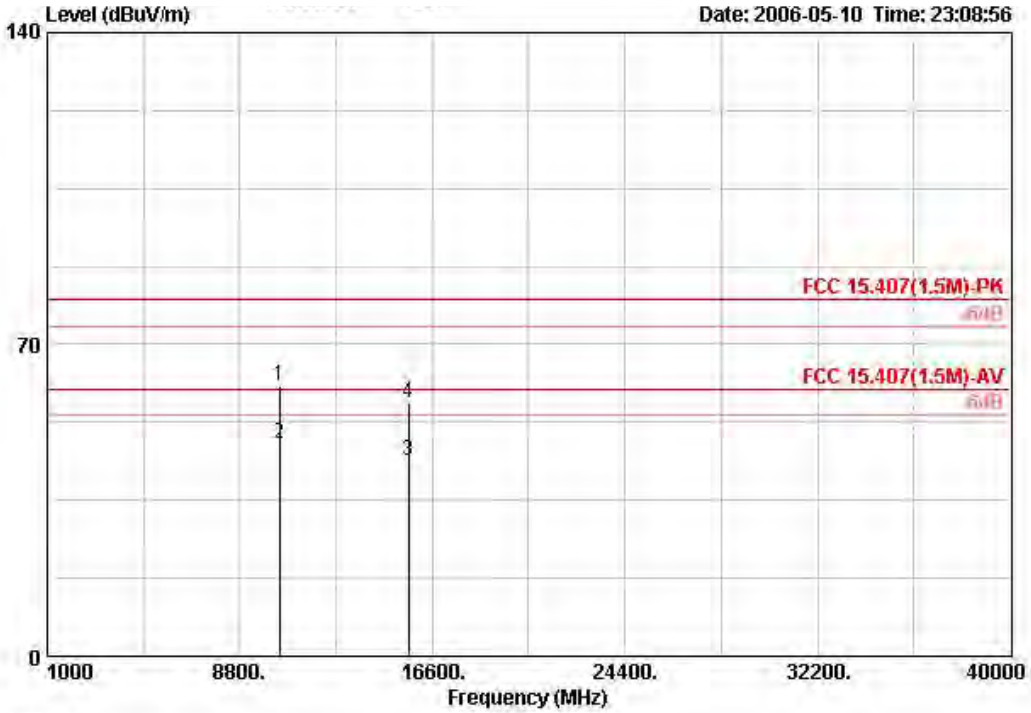
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 42 / Ant. 4

Vertical



	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	10417.480	43.29	-16.71	60.00	32.26	38.37	7.71	35.05	AVERAGE	VERTICAL	3
2	10423.360	54.30	-25.70	80.00	43.24	38.37	7.71	35.02	PEAK	VERTICAL	3
3	15623.000	43.90	-16.10	60.00	32.80	37.96	8.45	35.31	AVERAGE	VERTICAL	3
4	15634.960	56.22	-23.78	80.00	45.15	37.93	8.45	35.32	PEAK	VERTICAL	3

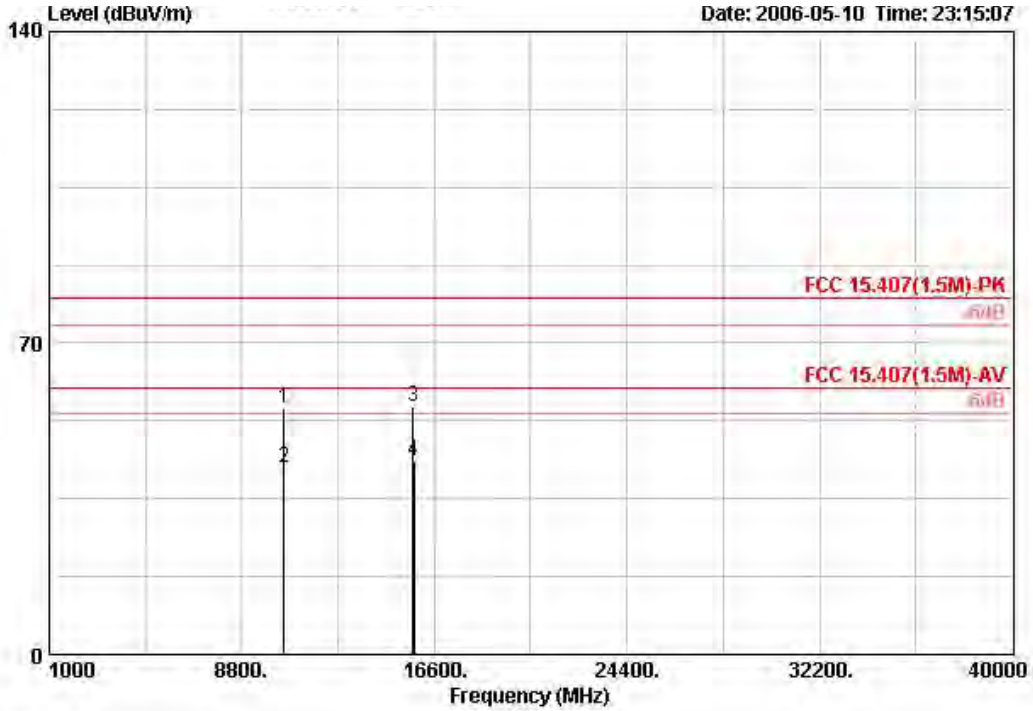
Horizontal



	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	10415.480	60.73	-19.27	80.00	49.70	38.37	7.71	35.05	PEAK	HORIZONTAL	3
2	10420.040	47.75	-12.25	60.00	36.73	38.37	7.71	35.05	AVERAGE	HORIZONTAL	3
3	15622.440	43.84	-16.16	60.00	32.74	37.96	8.45	35.31	AVERAGE	HORIZONTAL	3
4	15622.560	56.85	-23.15	80.00	45.75	37.96	8.45	35.31	PEAK	HORIZONTAL	3

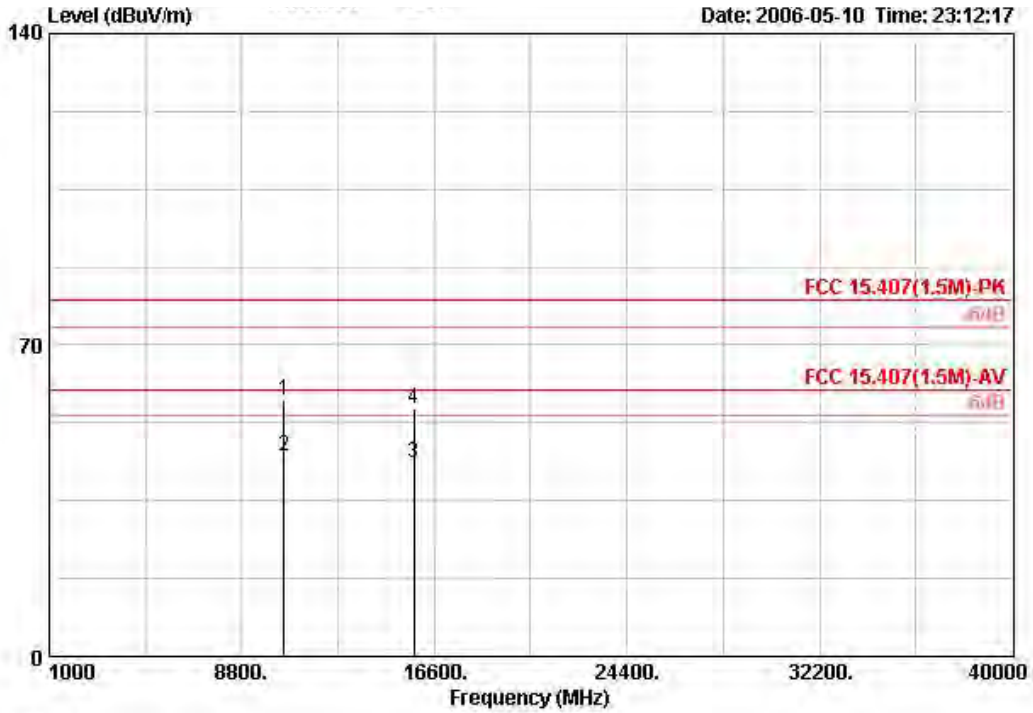
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 50 / Ant. 4

Vertical



	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	10498.920	55.26	-24.74	80.00	44.34	38.10	7.75	34.93	PEAK	VERTICAL	3
2	10500.400	41.84	-18.16	60.00	30.92	38.10	7.75	34.93	AVERAGE	VERTICAL	3
3	15749.080	55.60	-24.40	80.00	44.68	37.79	8.48	35.35	PEAK	VERTICAL	3
4	15758.200	43.33	-16.67	60.00	32.42	37.79	8.48	35.36	AVERAGE	VERTICAL	3

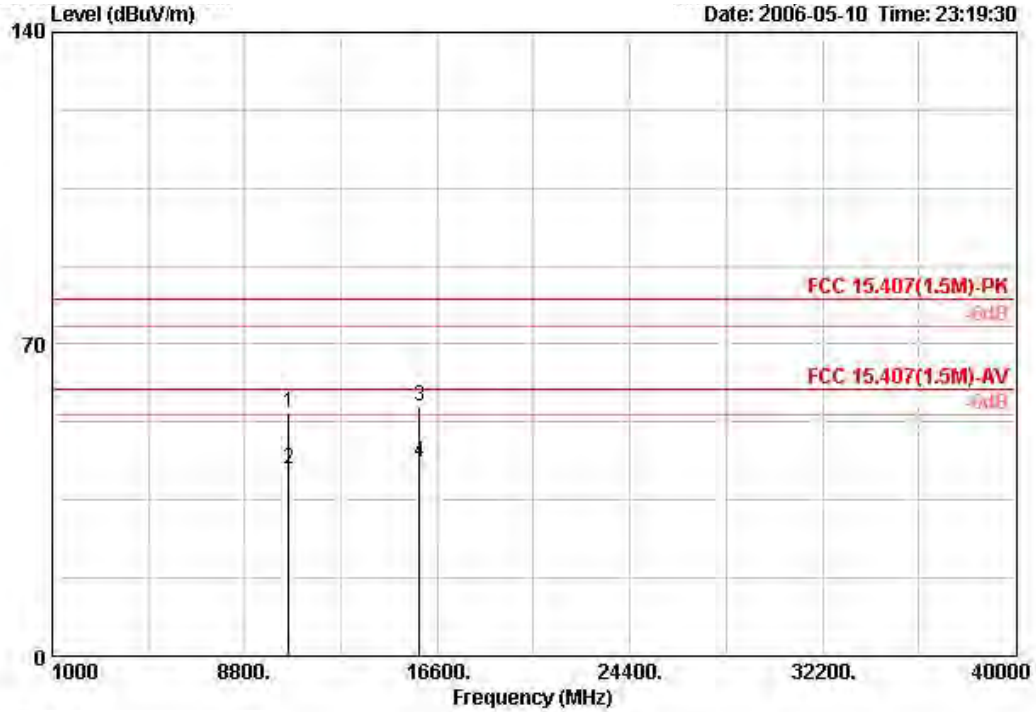
Horizontal



	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	10497.880	57.48	-22.52	80.00	46.59	38.10	7.75	34.96	PEAK	HORIZONTAL	3
2	10498.920	45.04	-14.96	60.00	34.12	38.10	7.75	34.93	AVERAGE	HORIZONTAL	3
3	15754.360	43.35	-16.65	60.00	32.44	37.79	8.48	35.36	AVERAGE	HORIZONTAL	3
4	15756.440	55.61	-24.39	80.00	44.70	37.79	8.48	35.36	PEAK	HORIZONTAL	3

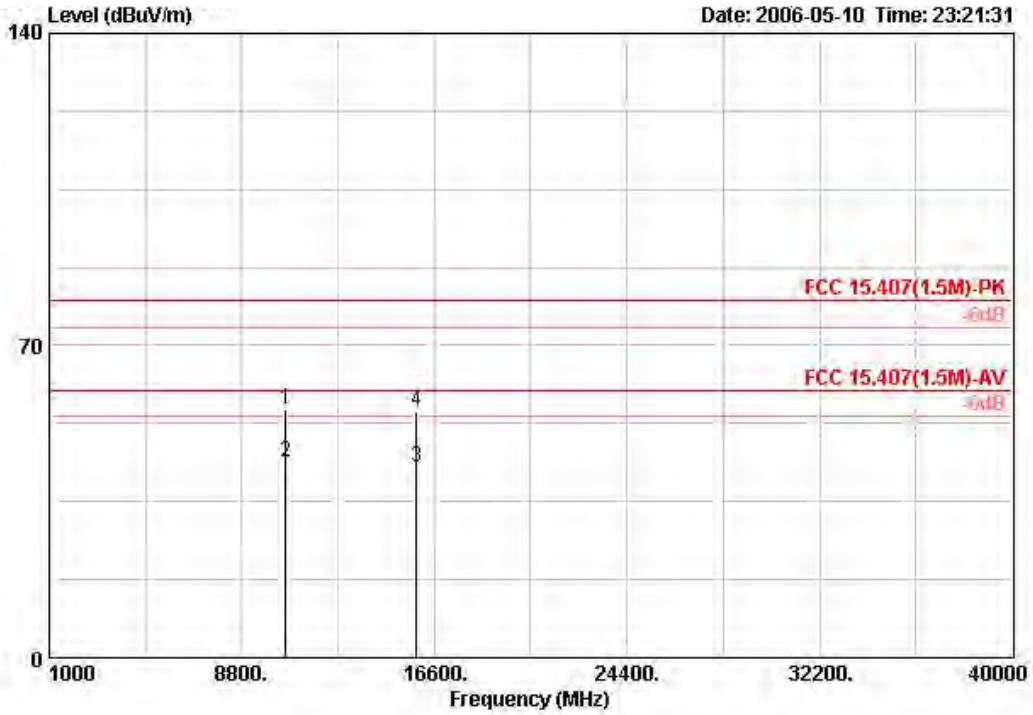
Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 58 / Ant. 4

Vertical



	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	10578.680	54.54	-25.46	80.00	43.54	38.16	7.75	34.90	PEAK	VERTICAL	3
2	10581.840	41.89	-18.11	60.00	30.88	38.17	7.75	34.90	AVERAGE	VERTICAL	3
3	15865.640	56.04	-23.96	80.00	45.26	37.67	8.52	35.40	PEAK	VERTICAL	3
4	15874.400	43.31	-16.69	60.00	32.54	37.64	8.52	35.40	AVERAGE	VERTICAL	3

Horizontal



	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	10578.440	55.63	-24.37	80.00	44.63	38.16	7.75	34.90	PEAK	HORIZONTAL	3
2	10580.200	43.85	-16.15	60.00	32.83	38.17	7.75	34.90	AVERAGE	HORIZONTAL	3
3	15865.640	42.88	-17.12	60.00	32.09	37.67	8.52	35.40	AVERAGE	HORIZONTAL	3
4	15865.880	55.22	-24.78	80.00	44.44	37.67	8.52	35.40	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.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz (78.3dBuV/m at 3m); for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). In addition, 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

4.7.2. 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)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (other emission)	1 MHz /1 MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3, only the freqeuncy 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.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

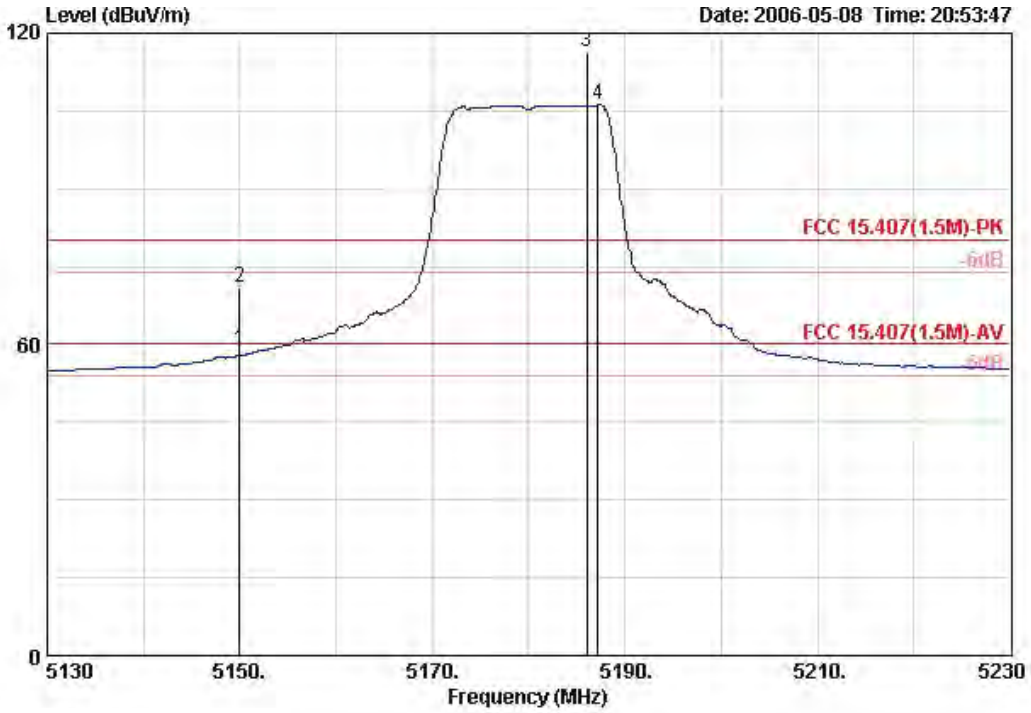
4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 36, 64 / Ant. 1

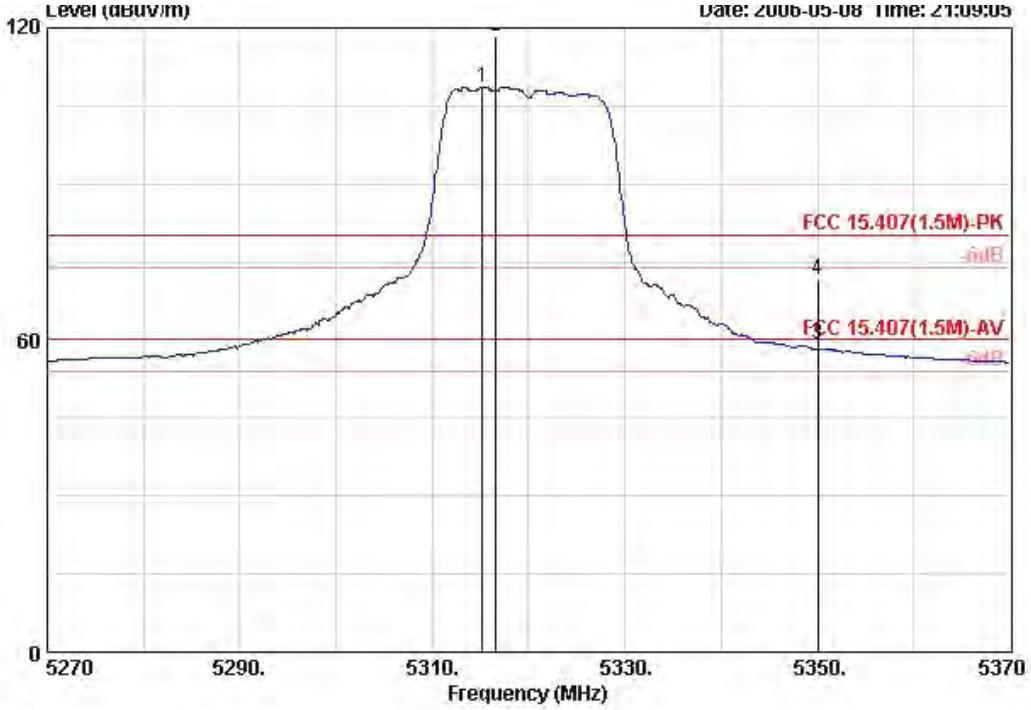
Channel 36



	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 !	5150.000	58.81	-1.19	60.00	21.00	33.45	4.37	0.00	AVERAGE	VERTICAL	3
2	5150.000	70.92	-9.08	80.00	33.10	33.45	4.37	0.00	PEAK	VERTICAL	3
3	5186.000	116.49			78.56	33.55	4.38	0.00	PEAK	VERTICAL	3
4	5187.200	106.28			68.35	33.55	4.38	0.00	AVERAGE	VERTICAL	3

Item 3 and 4 are the fundamental frequency at 5180 MHz.

Channel 64

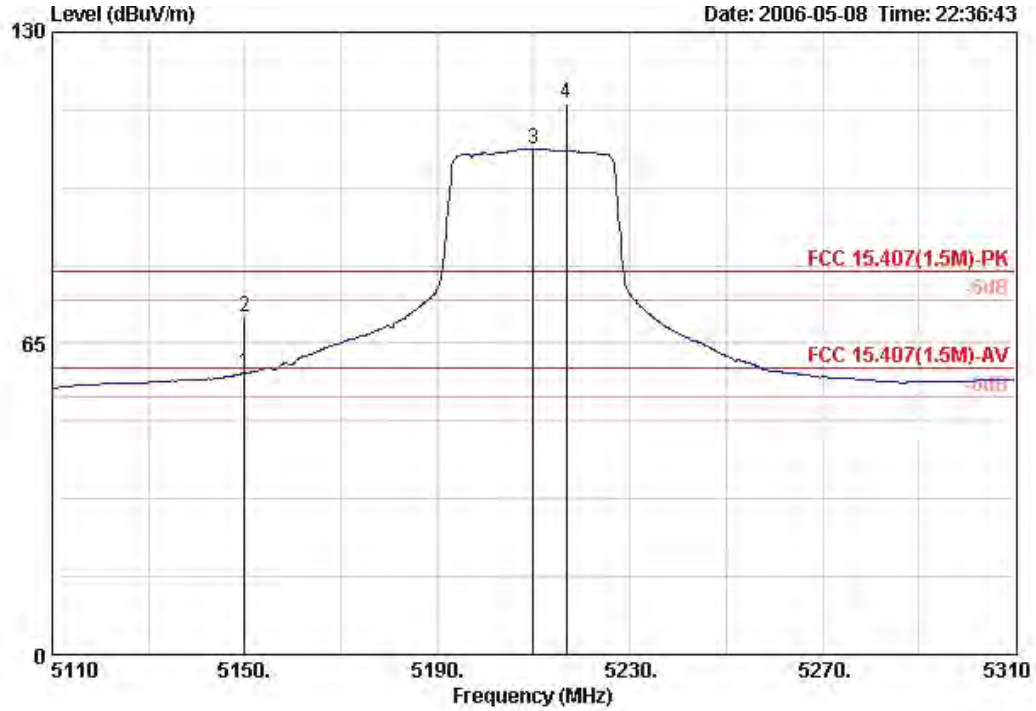


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1	5315.200	108.51			70.13	33.95	4.44	0.00	AVERAGE	VERTICAL	3
2	5316.600	118.45			80.06	33.95	4.44	0.00	PEAK	VERTICAL	3
3 !	5350.000	59.12	-0.88	60.00	20.62	34.05	4.45	0.00	AVERAGE	VERTICAL	3
4	5350.000	71.59	-8.41	80.00	33.08	34.05	4.45	0.00	PEAK	VERTICAL	3

Item 1 and 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 42, 58 / Ant. 1

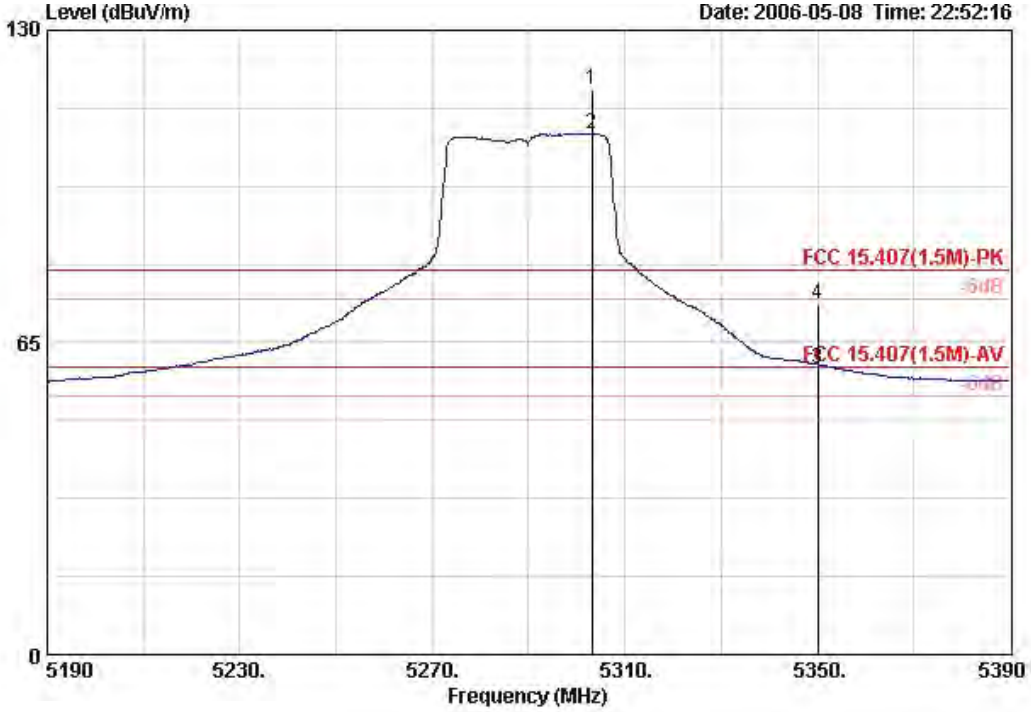
Turbo Channel 42



	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 !	5150.000	58.72	-1.28	60.00	20.90	33.45	4.37	0.00	AVERAGE	VERTICAL	3
2	5150.000	70.32	-9.68	80.00	32.50	33.45	4.37	0.00	PEAK	VERTICAL	3
3	5210.000	105.68			67.65	33.65	4.38	0.00	AVERAGE	VERTICAL	3
4	5216.800	115.08			77.03	33.65	4.40	0.00	PEAK	VERTICAL	3

Item 3 and 4 are the fundamental frequency at 5210 MHz.

Turbo Channel 58



	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	5303.200	117.77			79.44	33.90	4.44	0.00	PEAK	VERTICAL	3
2	5303.200	108.53			70.20	33.90	4.44	0.00	AVERAGE	VERTICAL	3
3 !	5350.000	59.49	-0.51	60.00	20.99	34.05	4.45	0.00	AVERAGE	VERTICAL	3
4	5350.000	72.90	-7.10	80.00	34.40	34.05	4.45	0.00	PEAK	VERTICAL	3

Item 1 and 2 are the fundamental frequency at 5290 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 Vertical Polarization.

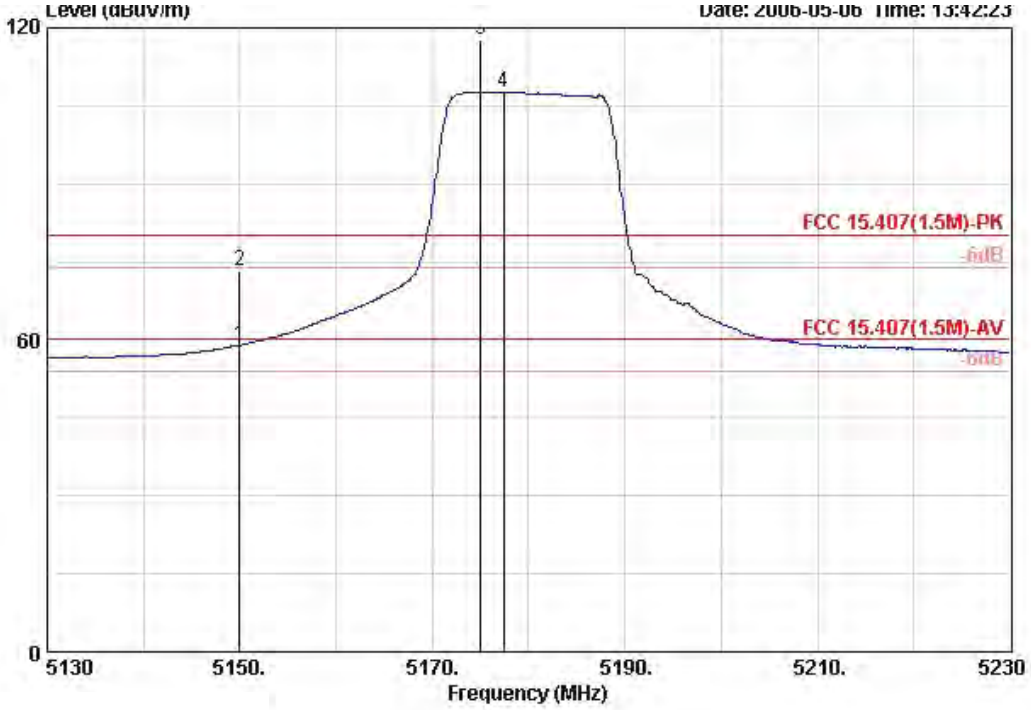
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 36, 64 / Ant. 3

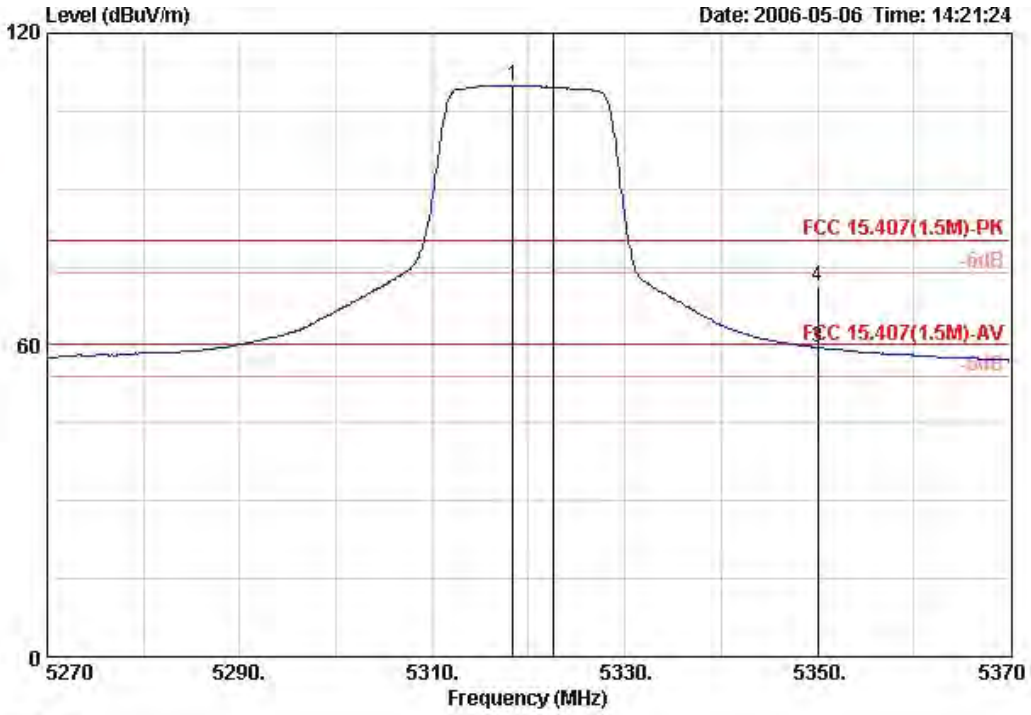
Channel 36



	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 @	5150.000	58.94	-1.06	60.00	21.12	33.45	4.37	0.00	AVERAGE	VERTICAL	3
2	5150.000	73.13	-6.87	80.00	35.32	33.45	4.37	0.00	PEAK	VERTICAL	3
3 @	5175.000	117.56			79.64	33.55	4.37	0.00	PEAK	VERTICAL	3
4 @	5177.400	107.71			69.77	33.55	4.38	0.00	AVERAGE	VERTICAL	3

Item 3 and 4 are the fundamental frequency at 5180 MHz.

Channel 64

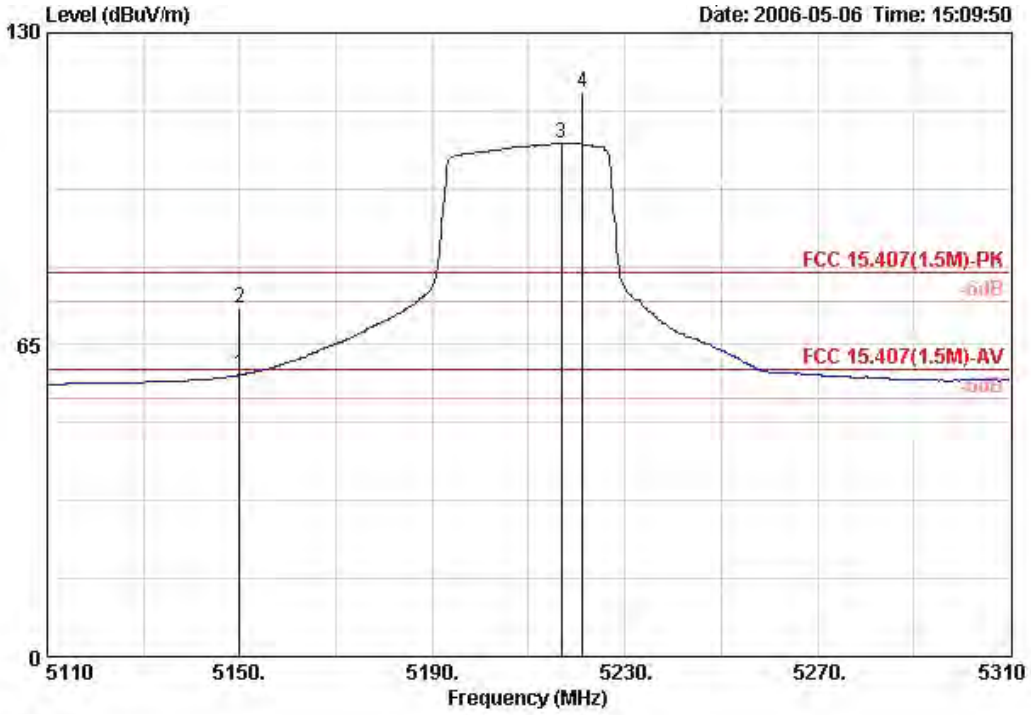


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 @	5318.400	109.99			71.60	33.95	4.44	0.00	AVERAGE	VERTICAL	3
2 @	5322.600	120.40			82.02	33.95	4.44	0.00	PEAK	VERTICAL	3
3 @	5350.000	59.46	-0.54	60.00	20.96	34.05	4.45	0.00	AVERAGE	VERTICAL	3
4	5350.000	71.39	-8.61	80.00	32.89	34.05	4.45	0.00	PEAK	VERTICAL	3

Item 1 and 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 42, 58 / Ant. 3

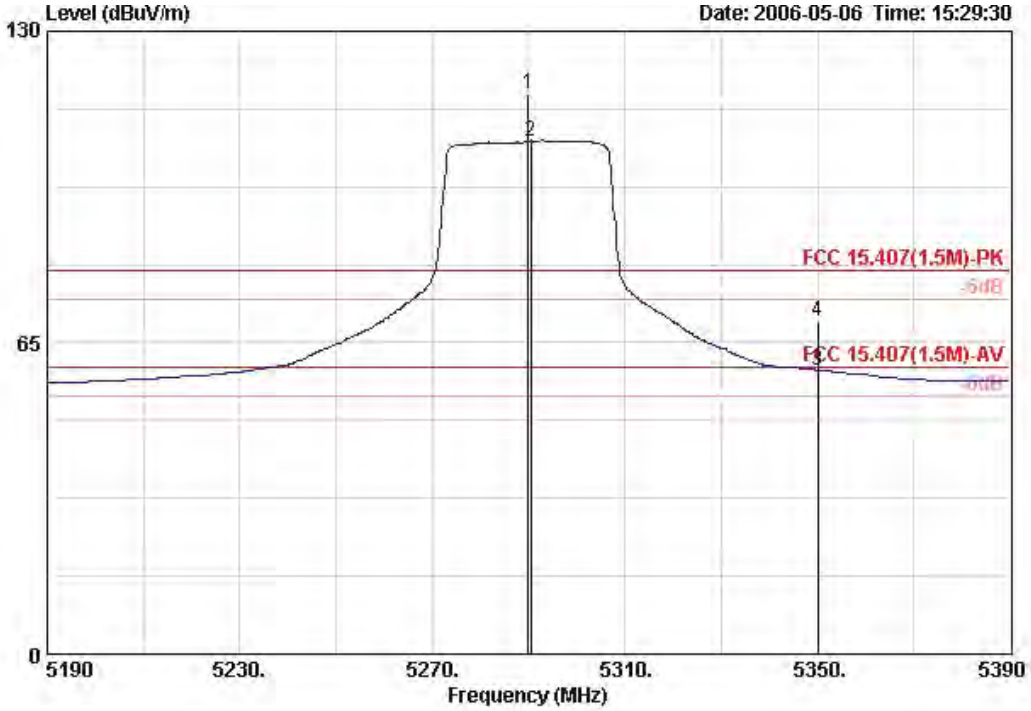
Turbo Channel 42



	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 @	5150.000	58.70	-1.30	60.00	20.88	33.45	4.37	0.00	AVERAGE	VERTICAL	3
2	5150.000	72.59	-7.41	80.00	34.77	33.45	4.37	0.00	PEAK	VERTICAL	3
3 @	5216.800	107.10			69.05	33.65	4.40	0.00	AVERAGE	VERTICAL	3
4 @	5221.200	117.56			79.51	33.65	4.40	0.00	PEAK	VERTICAL	3

Item 3 and 4 are the fundamental frequency at 5210 MHz.

Turbo Channel 58



	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 @	5290.000	117.07			78.80	33.85	4.42	0.00	PEAK	VERTICAL	3
2 @	5290.400	107.11			68.85	33.85	4.42	0.00	AVERAGE	VERTICAL	3
3 @	5350.000	59.24	-0.76	60.00	20.74	34.05	4.45	0.00	AVERAGE	VERTICAL	3
4	5350.000	69.37	-10.63	80.00	30.87	34.05	4.45	0.00	PEAK	VERTICAL	3

Item 1 and 2 are the fundamental frequency at 5290 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 Vertical Polarization.

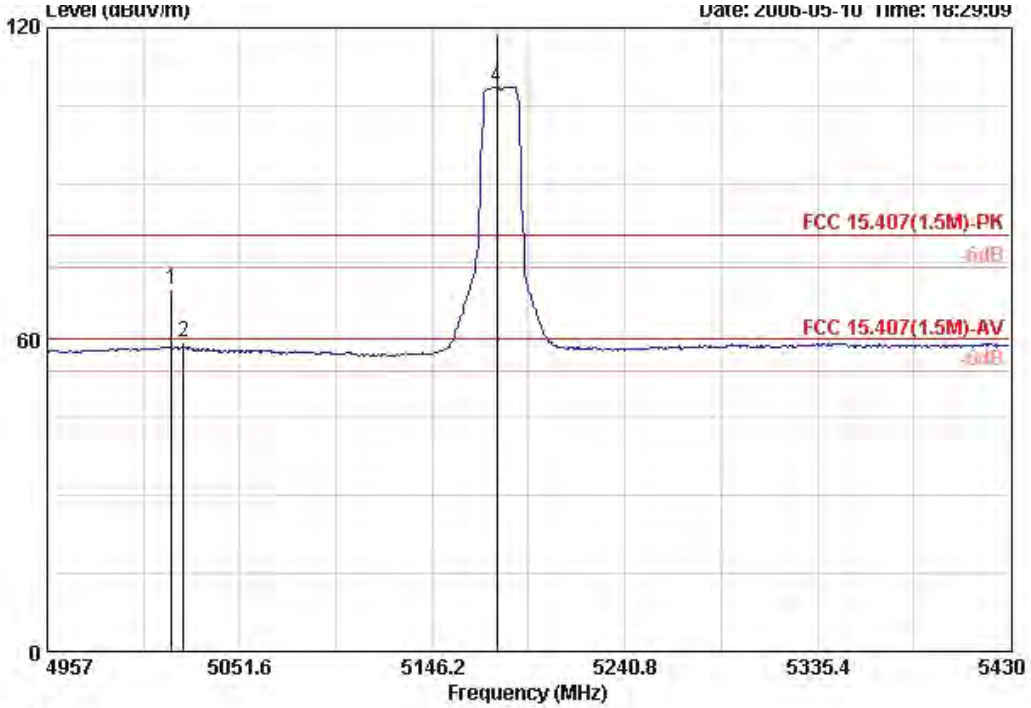
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Channel 36, 64 / Ant.4

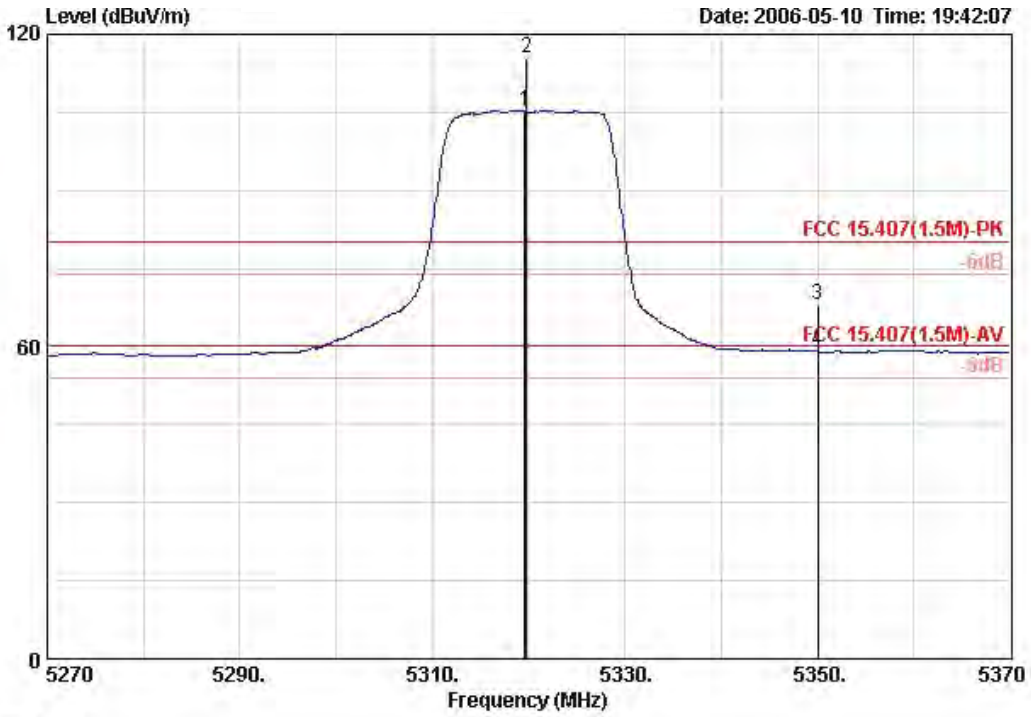
Channel 36



	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	5018.000	69.61	-10.39	80.00	32.26	33.05	4.30	0.00	PEAK	HORIZONTAL	3
2 @	5024.000	59.47	-0.53	60.00	22.05	33.10	4.32	0.00	AVERAGE	HORIZONTAL	3
3 @	5178.000	118.90			80.96	33.55	4.38	0.00	PEAK	HORIZONTAL	3
4 @	5178.000	108.67			70.74	33.55	4.38	0.00	AVERAGE	HORIZONTAL	3

Item 3 and 4 are the fundamental frequency at 5180 MHz.

Channel 64

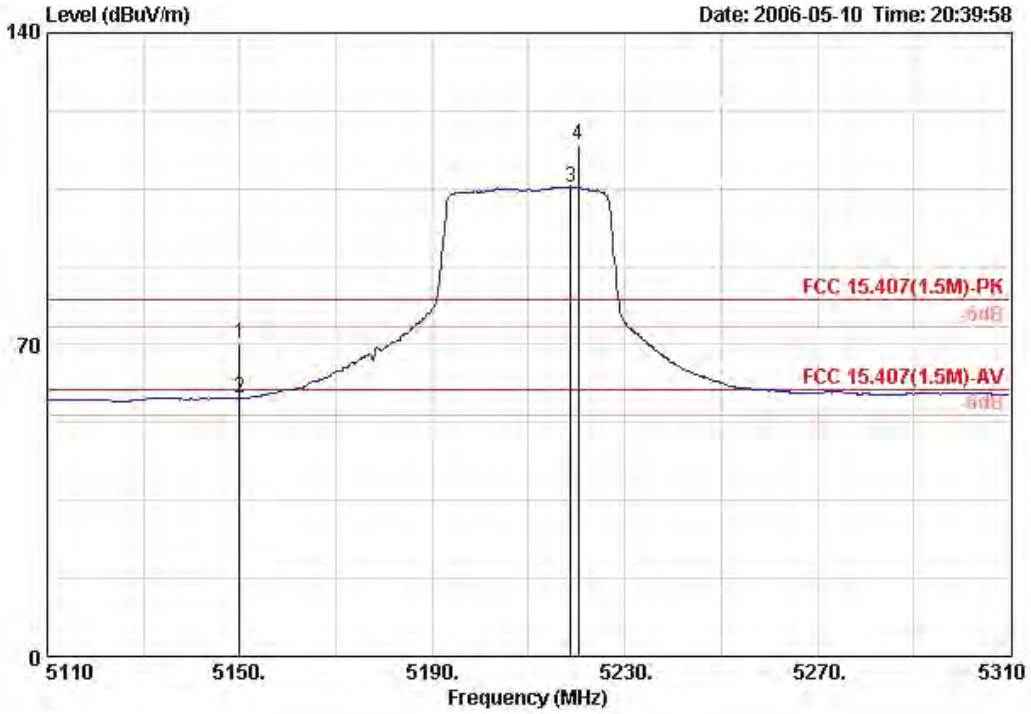


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			m
1 @	5319.600	105.35			66.96	33.95	4.44	0.00	AVERAGE	HORIZONTAL	3
2 @	5319.800	115.47			77.09	33.95	4.44	0.00	PEAK	HORIZONTAL	3
3	5350.000	68.16	-11.84	80.00	29.66	34.05	4.45	0.00	PEAK	HORIZONTAL	3
4 @	5350.000	59.10	-0.90	60.00	20.60	34.05	4.45	0.00	AVERAGE	HORIZONTAL	3

Item 1 and 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	63%
Test Engineer	Leo Hung	Configurations	802.11a Turbo Channel 42, 58 / Ant.4

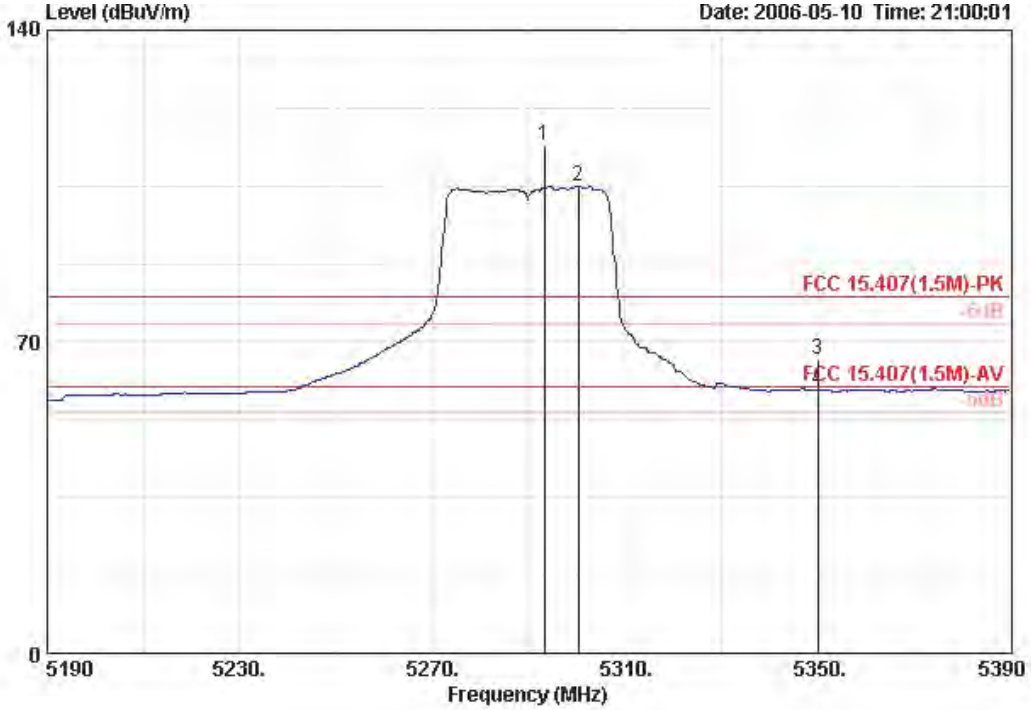
Turbo Channel 42



	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	5150.000	70.17	-9.83	80.00	32.35	33.45	4.37	0.00	PEAK	HORIZONTAL	3
2 @	5150.000	58.02	-1.98	60.00	20.20	33.45	4.37	0.00	AVERAGE	HORIZONTAL	3
3 @	5218.800	105.44			67.39	33.65	4.40	0.00	AVERAGE	HORIZONTAL	3
4 @	5220.400	114.92			76.87	33.65	4.40	0.00	PEAK	HORIZONTAL	3

Item 3 and 4 are the fundamental frequency at 5210 MHz.

Turbo Channel 58



	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 @	5293.200	114.14			75.80	33.90	4.44	0.00	PEAK	HORIZONTAL	3
2 @	5300.400	104.82			66.49	33.90	4.44	0.00	AVERAGE	HORIZONTAL	3
3	5350.000	66.11	-13.89	80.00	27.61	34.05	4.45	0.00	PEAK	HORIZONTAL	3
4 @	5350.000	59.12	-0.88	60.00	20.62	34.05	4.45	0.00	AVERAGE	HORIZONTAL	3

Item 1 and 2 are the fundamental frequency at 5290 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.

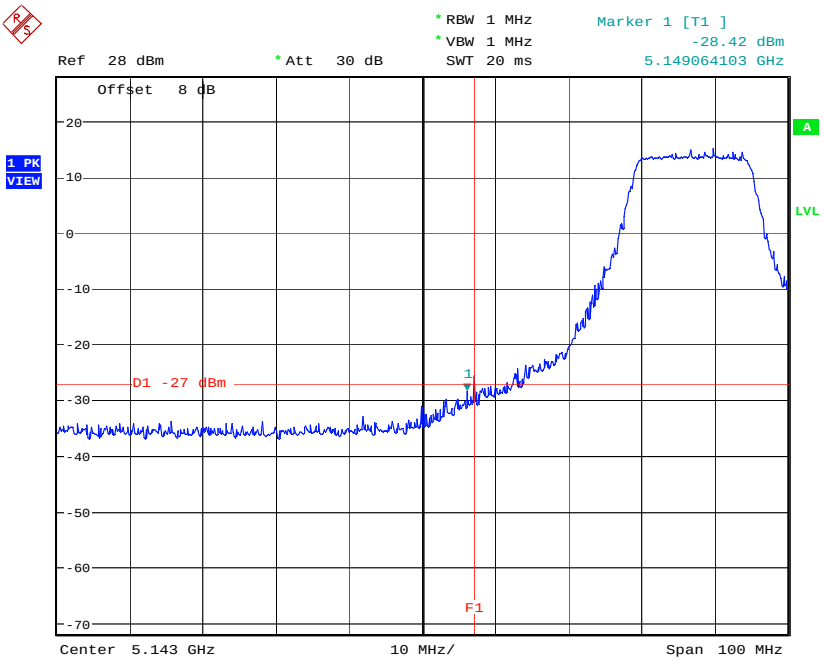
The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

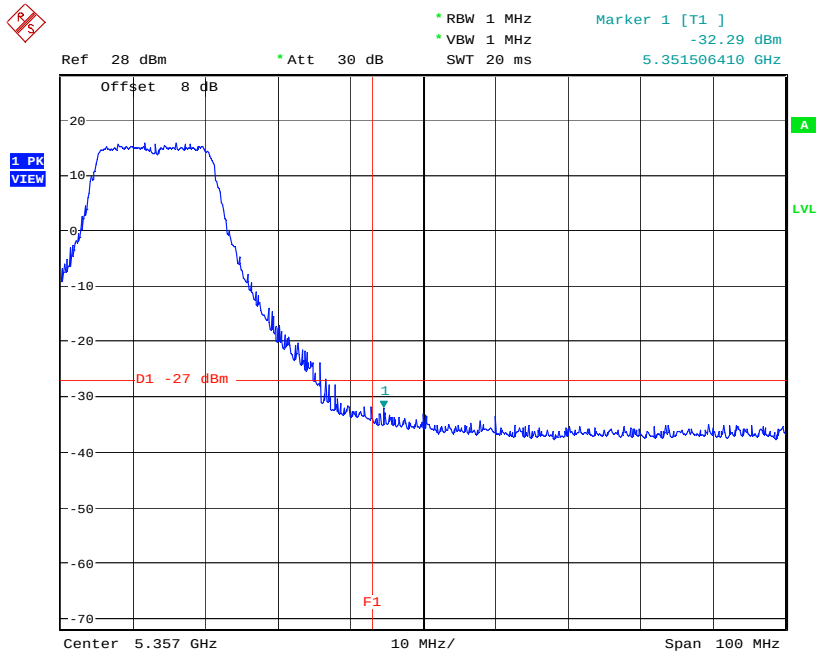
For Ant. 1

EIRP Emission in Band on Configuration IEEE 802.11a / 5180 MHz



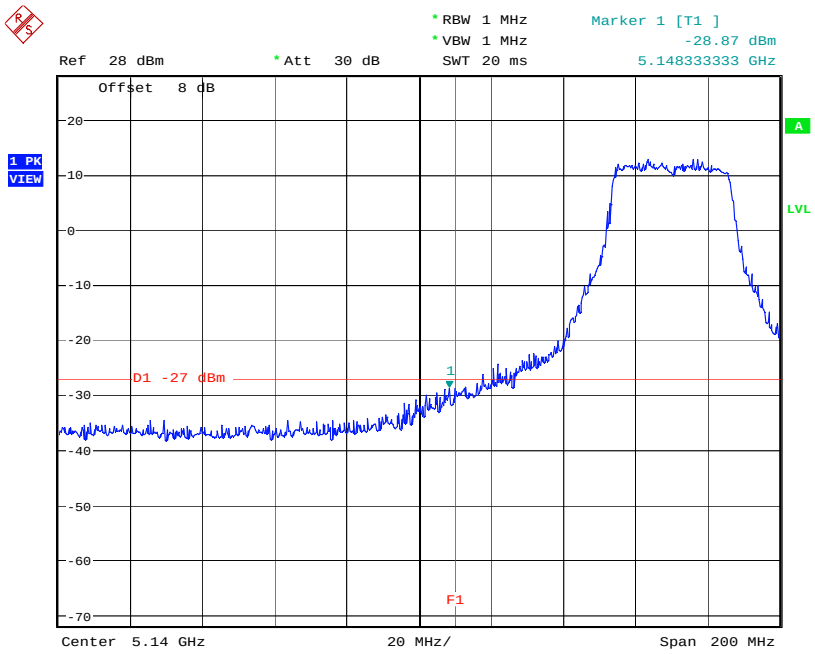
Date: 11.MAY.2006 21:51:00

EIRP Emission in Band on Configuration IEEE 802.11a / 5320 MHz



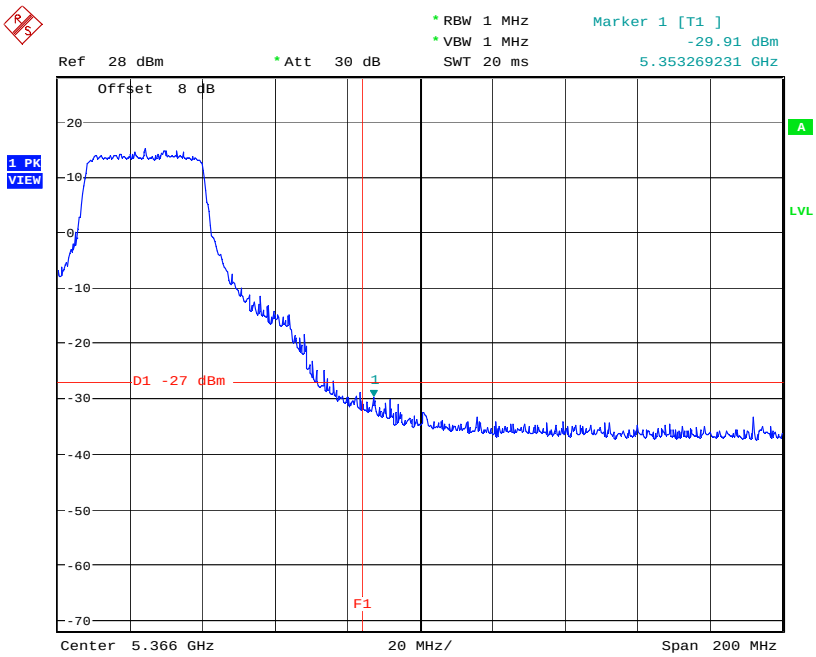
Date: 11.MAY.2006 21:51:50

EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5210 MHz



Date: 11.MAY.2006 21:47:40

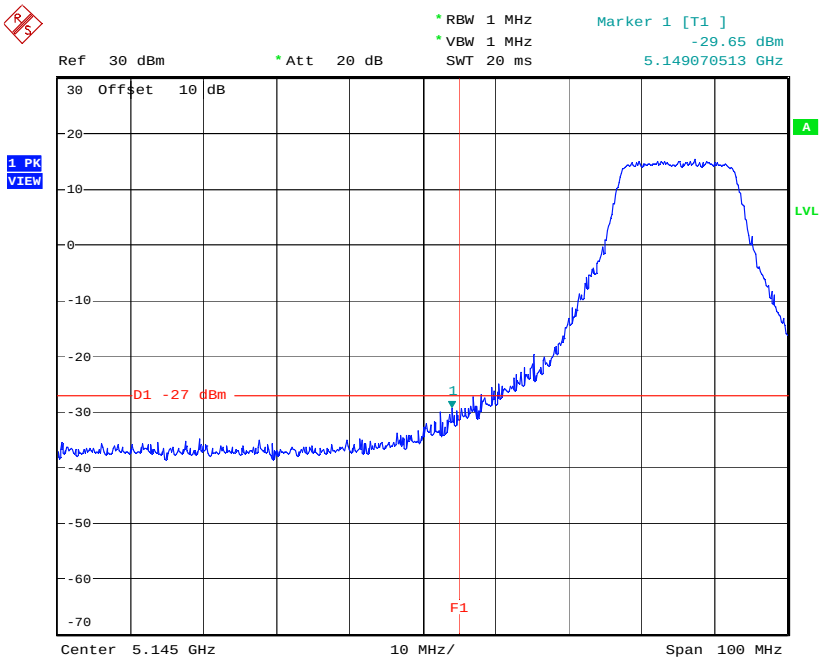
EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5290 MHz



Date: 11.MAY.2006 21:49:00

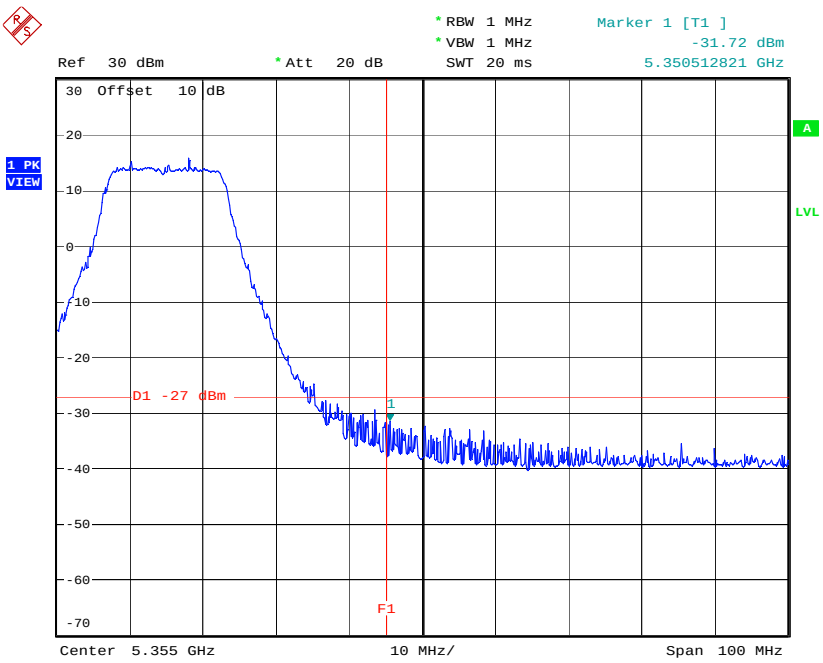
For Ant. 3

EIRP Emission in Band on Configuration IEEE 802.11a / 5180 MHz



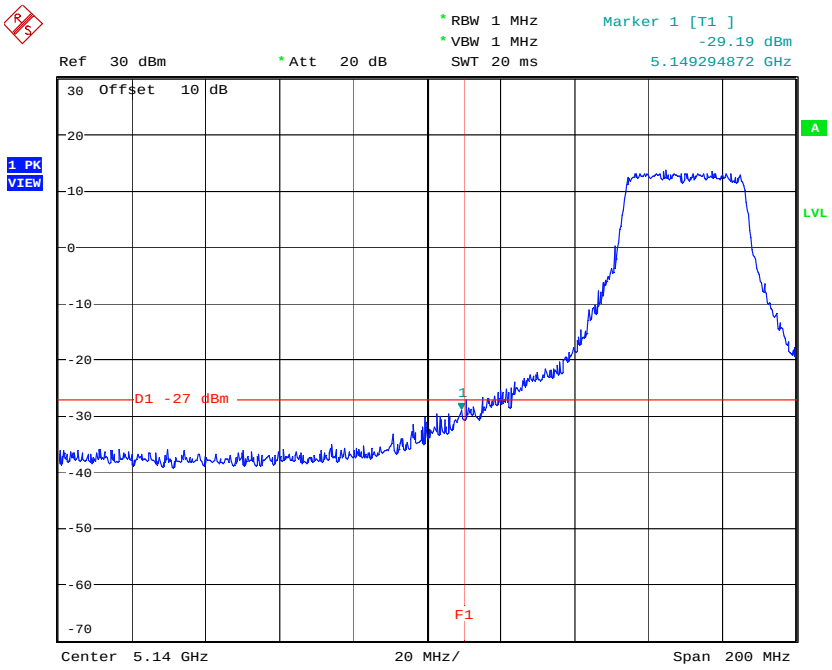
Date: 11.MAY.2006 22:07:47

EIRP Emission in Band on Configuration IEEE 802.11a / 5320 MHz



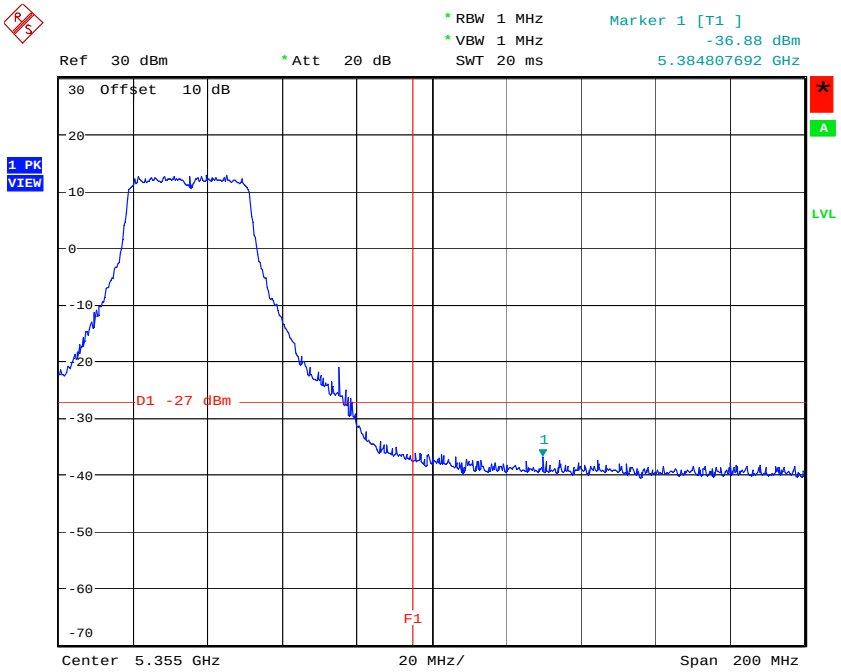
Date: 11.MAY.2006 22:08:44

EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5210 MHz



Date: 11.MAY.2006 22:10:39

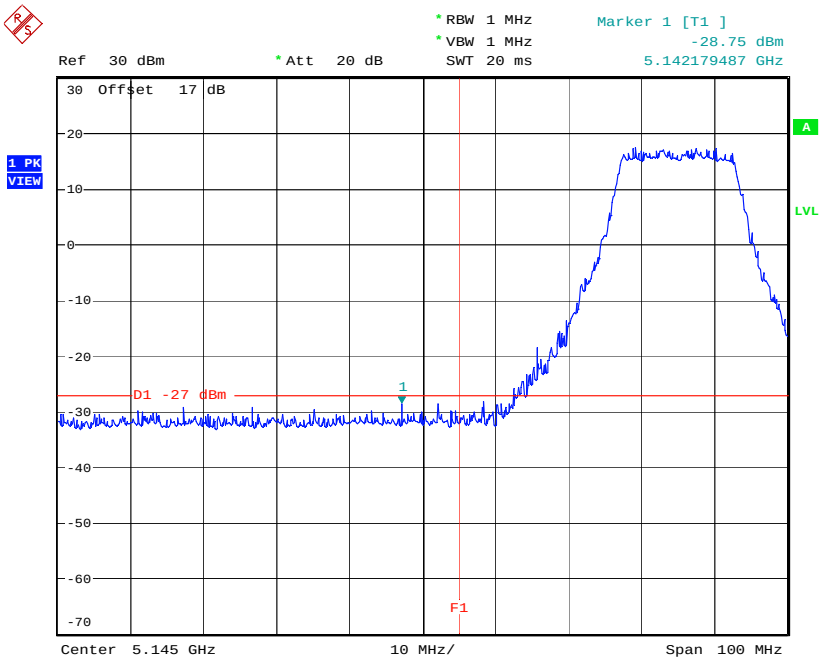
EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5290 MHz



Date: 11.MAY.2006 22:09:54

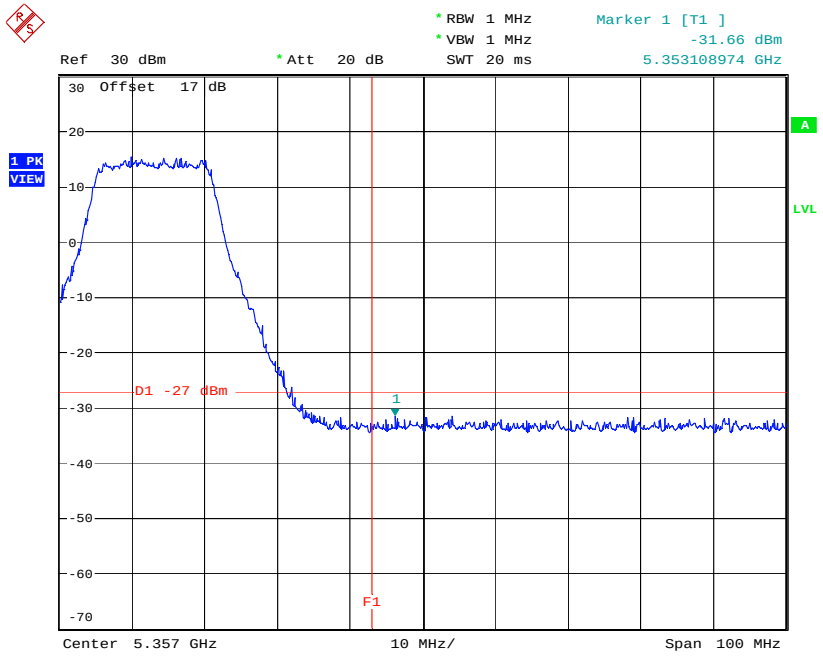
For Ant. 4

EIRP Emission in Band on Configuration IEEE 802.11a / 5180 MHz



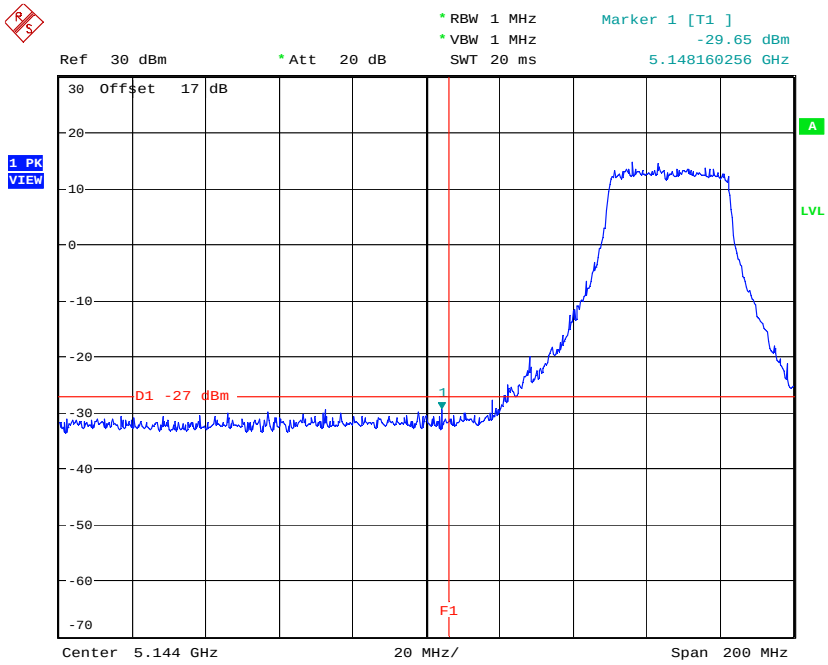
Date: 11.MAY.2006 22:04:42

EIRP Emission in Band on Configuration IEEE 802.11a / 5320 MHz



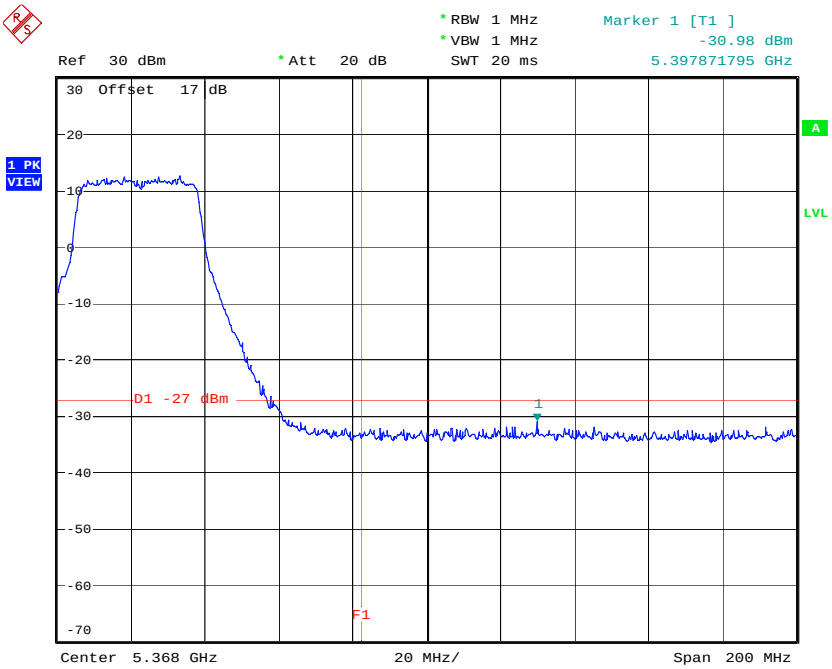
Date: 11.MAY.2006 22:00:20

EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5210 MHz



Date: 11.MAY.2006 22:02:04

EIRP Emission in Band on Configuration IEEE 802.11a Turbo / 5290 MHz



Date: 11.MAY.2006 22:02:46

4.8. Frequency Stability Measurement

4.8.1. Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user's manual or ±20ppm (IEEE 802.11a specification).

4.8.2. Measuring Instruments and Setting

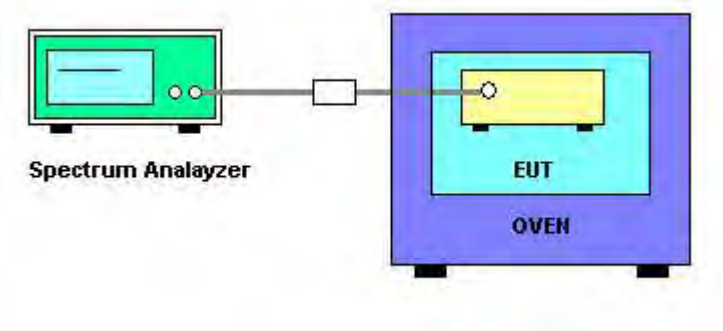
Please refer to section 5 in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyser.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11a specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature rule is -30°C~50°C.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	**5260**
126.50	5259.9866
110.00	5259.9860
93.50	5259.9862
Max. Deviation (MHz)	**0.0140**
Max. Deviation (ppm)	**2.6616**

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	**5260**
-30	5260.0216
-20	5260.0134
-10	5259.9980
0	5259.9894
10	5259.9826
20	5259.9860
30	5259.9918
40	5259.9800
50	5259.9889
Max. Deviation (MHz)	**0.0216**
Max. Deviation (ppm)	**4.1065**