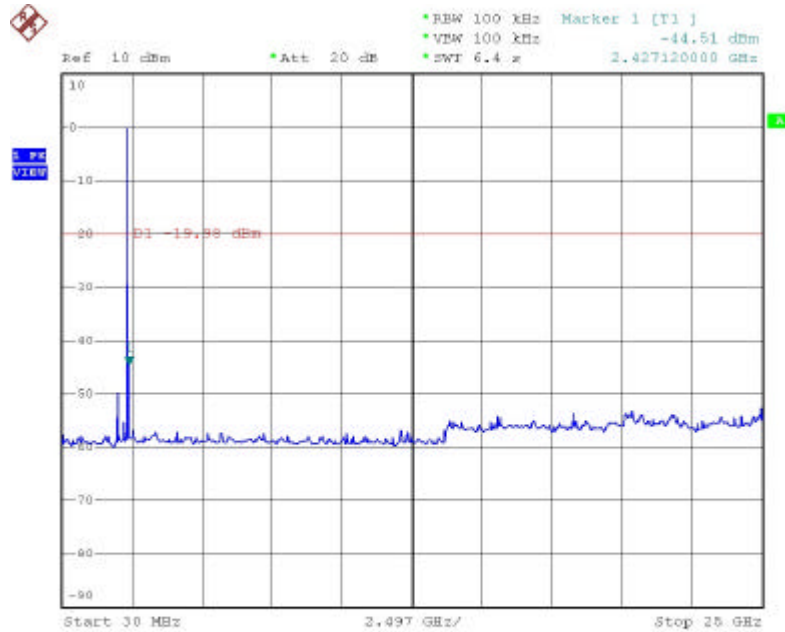


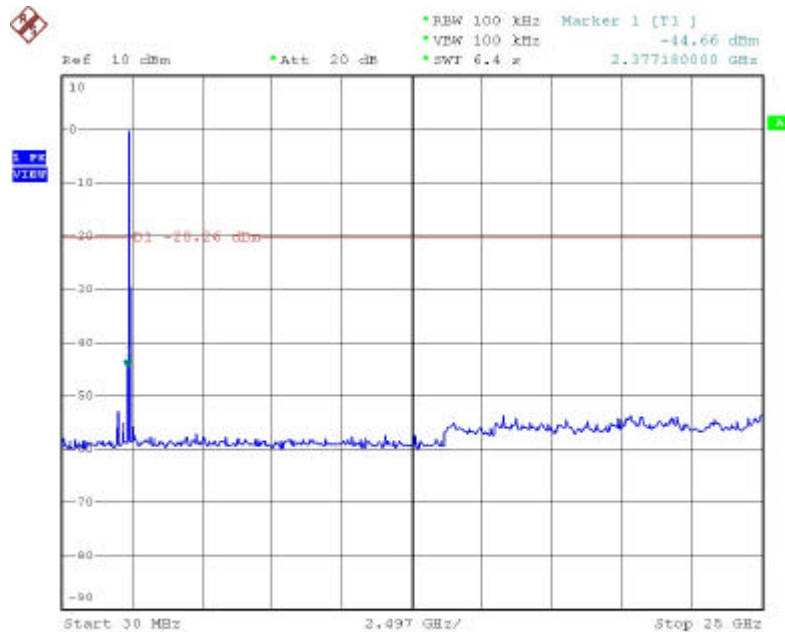
4.3. RF Portion

4.3.1. Test Result of Conducted Emission

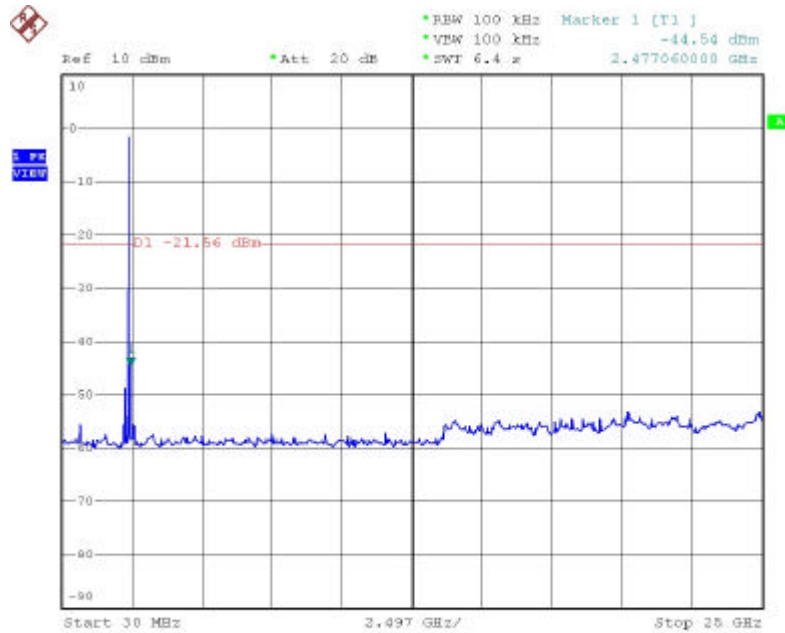
Test mode 1:



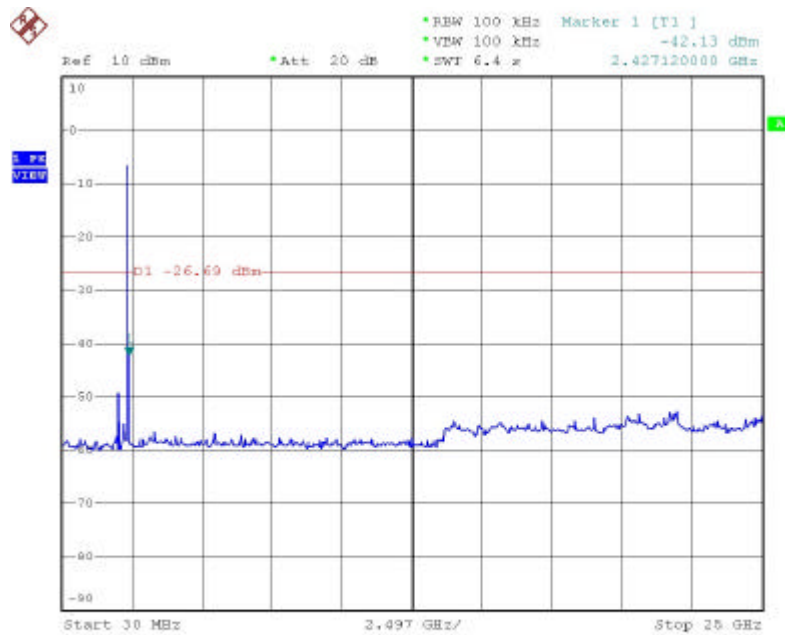
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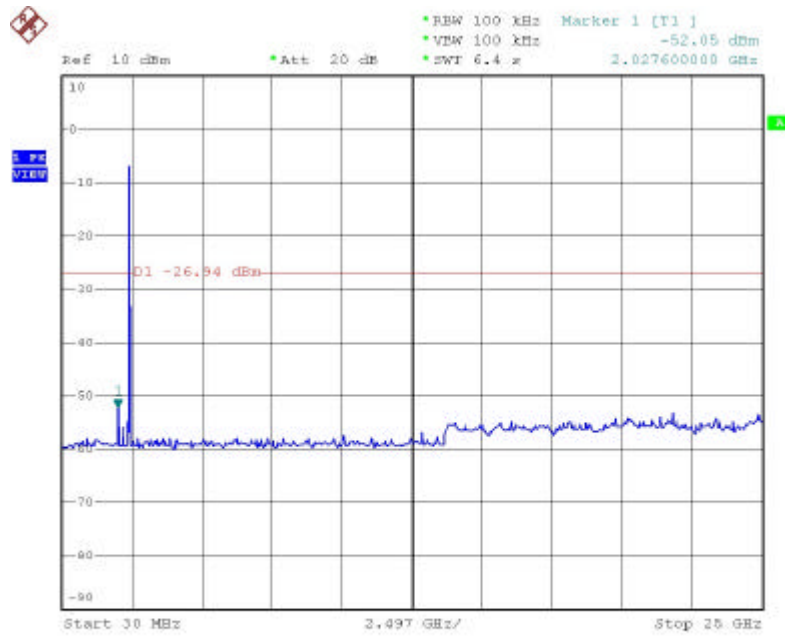
Date: 1.DEC.2004 13:25:21



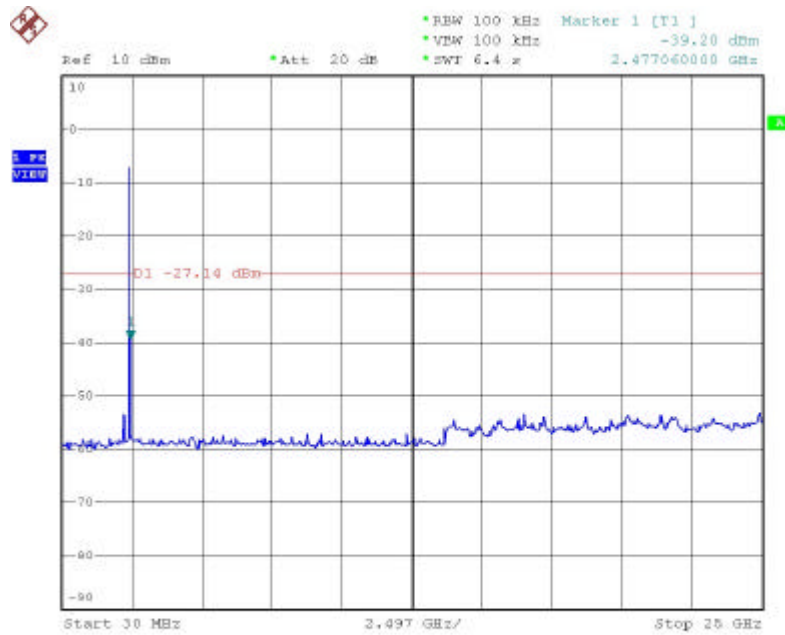
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Date: 1.DEC.2004 13:51:07

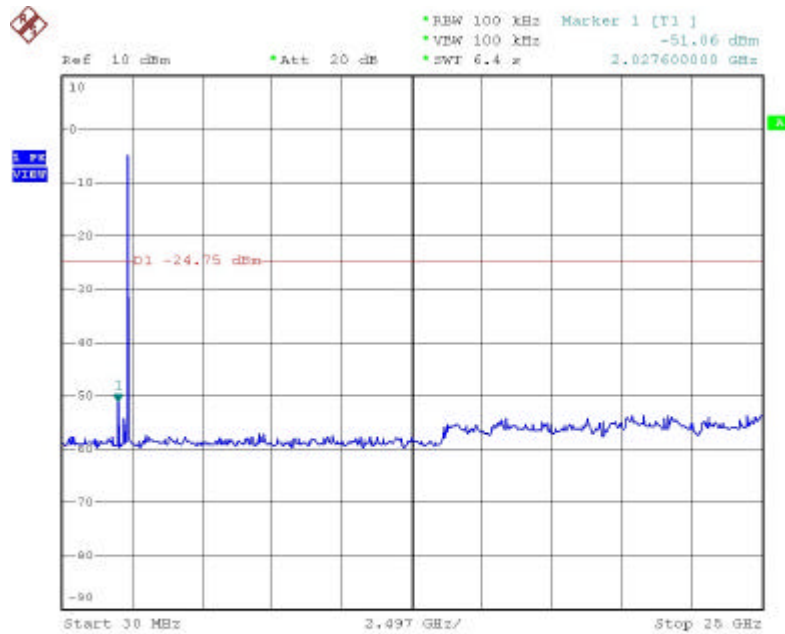


Date: 1.DEC.2004 13:53:03

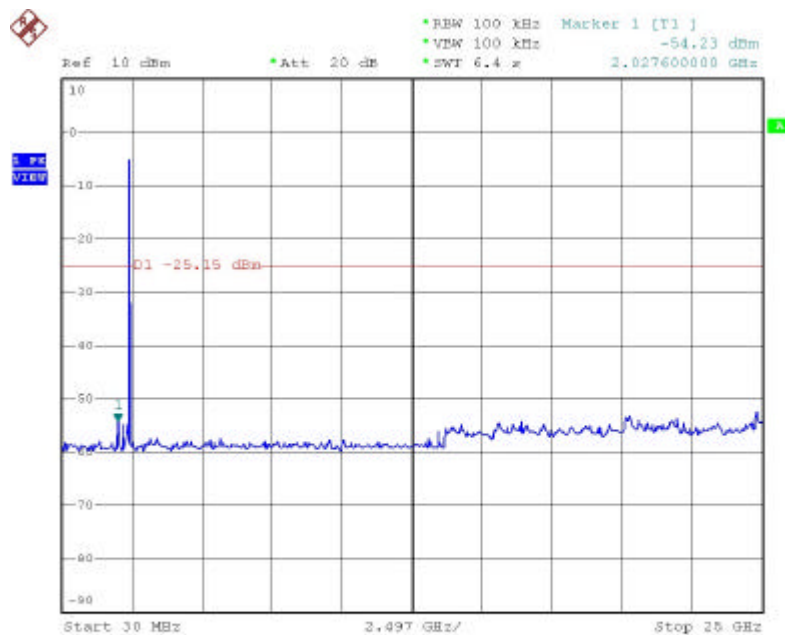


Date: 1.DEC.2004 13:54:28

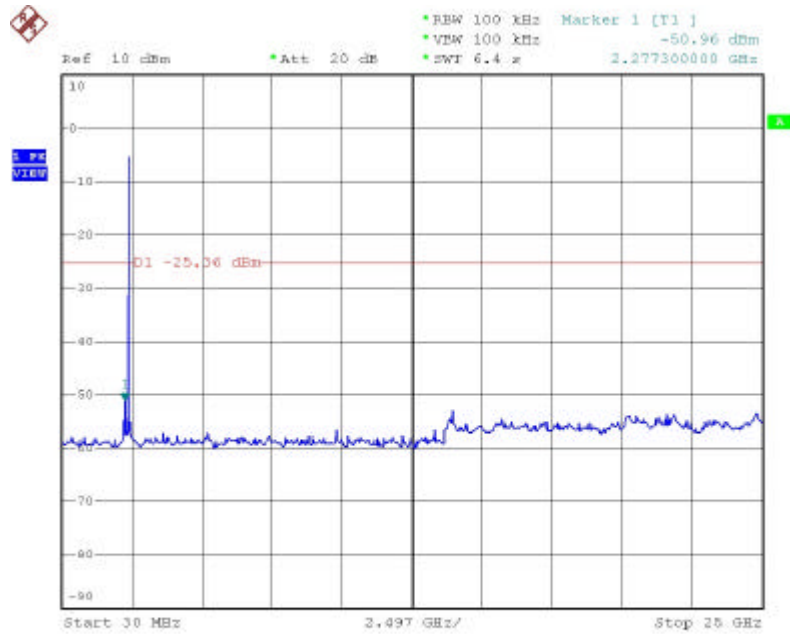
Test mode 2:



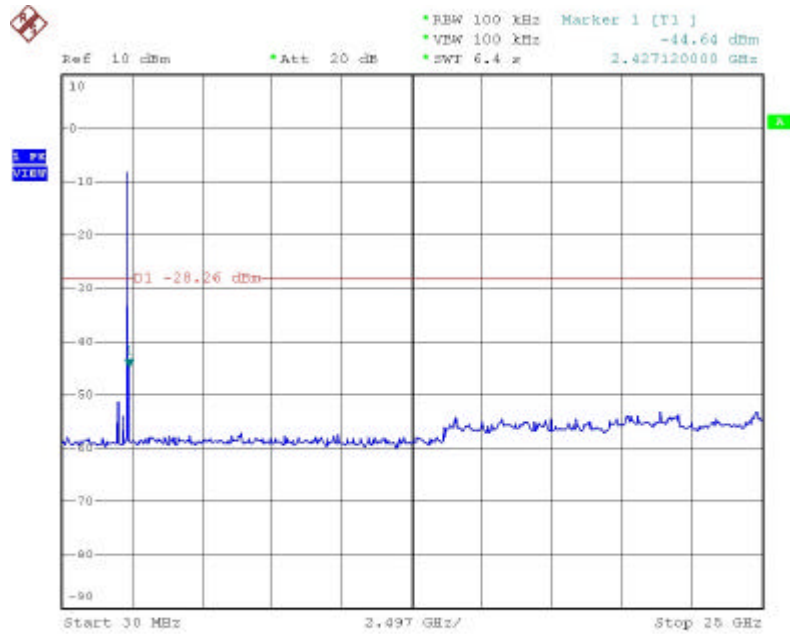
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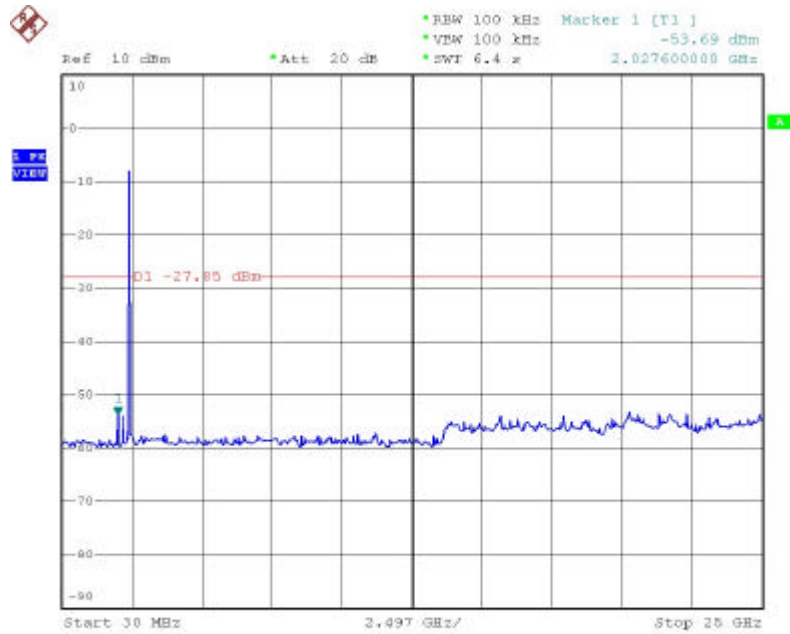
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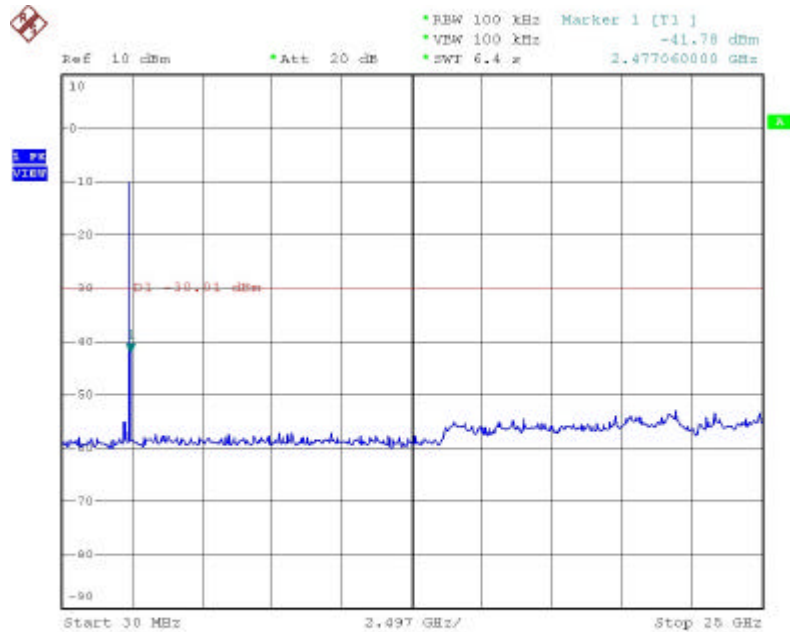
Date: 15.DEC.2004 14:08:22



Date: 15.DEC.2004 14:09:45



Date: 15.DEC.2004 14:11:14



Date: 15.DEC.2004 14:12:26

4.3.2. Test Result of Radiated Emission

The test result including two kind of antenna

Test mode 1:

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel LO

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.76	-21.06	33.70	40.0	-6.30	Peak	197	1.0
249.60	H	57.30	-13.75	43.55	46.0	-2.45	Q.P	206	1.0
374.98	H	54.13	-10.10	44.03	46.0	-1.97	Q.P	209	1.0
55.96	V	54.85	-21.15	33.70	40.0	-6.30	Peak	193	1.0
124.98	V	51.20	-15.29	35.91	43.5	-7.59	Peak	202	1.0
198.68	V	53.08	-16.73	36.35	43.5	-7.15	Peak	211	1.0
249.98	V	56.42	-13.69	42.73	46.0	-3.27	Peak	185	1.0

b) Emission frequencies above 1 GHz Channel LO

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2037.90	H	43.01	0.04	43.05	54	-10.95	Ave	201	1.0
4076.20	H	53.88	6.67	60.55	74	-13.45	Peak	184	1.0
4076.20	H	46.12	6.67	52.79	54	-1.21	Ave	193	1.0
2037.90	V	49.15	-0.67	48.48	54	-5.52	Ave	198	1.0
4076.20	V	52.23	6.05	58.28	74	-15.72	Peak	211	1.0
4076.20	V	45.80	6.05	51.85	54	-2.15	Ave	208	1.0
7233.00	V	48.61	11.05	59.66	74	-14.34	Peak	181	1.0
7233.00	V	37.16	11.05	48.21	54	-5.79	Ave	195	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel MID

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.42	-21.06	33.36	40.0	-6.64	Peak	196	1.0
249.60	H	57.19	-13.75	43.44	46.0	-2.56	Q.P	211	1.0
374.98	H	54.55	-10.10	44.45	46.0	-1.55	Q.P	216	1.0
55.96	V	54.49	-21.15	33.34	40.0	-6.66	Peak	190	1.0
124.98	V	51.75	-15.29	36.46	43.5	-7.04	Peak	219	1.0
198.68	V	53.23	-16.73	36.50	43.5	-7.00	Peak	207	1.0
249.98	V	56.62	-13.69	42.93	46.0	-3.07	Peak	188	1.0

b) Emission frequencies above 1 GHz Channel MID

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2053.00	H	40.51	0.08	40.59	54	-13.41	Ave	197	1.0
4125.90	H	51.62	6.69	58.31	74	-15.69	Peak	213	1.0
4125.90	H	45.79	6.69	52.48	54	-1.52	Ave	208	1.0
2053.00	V	48.30	-0.62	47.68	54	-6.32	Ave	201	1.0
4125.90	V	51.80	6.06	57.86	74	-16.14	Peak	180	1.0
4125.90	V	43.52	6.07	49.59	54	-4.41	Ave	185	1.0
7312.20	V	48.62	11.14	59.96	74	-14.04	Peak	182	1.0
7312.20	V	36.95	11.14	48.09	54	-5.91	Ave	197	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel HI

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.42	-21.06	33.36	40.0	-6.64	Peak	181	1.0
249.60	H	57.47	-13.75	43.72	46.0	-2.28	Q.P	193	1.0
374.98	H	54.13	-10.10	44.03	46.0	-1.97	Q.P	192	1.0
55.96	V	54.02	-21.15	32.87	40.0	-7.13	Peak	199	1.0
124.98	V	51.77	-15.29	36.48	43.5	-7.02	Peak	200	1.0
198.68	V	53.87	-16.73	37.14	43.5	-6.36	Peak	201	1.0
249.98	V	56.65	-13.69	42.96	46.0	-3.04	Peak	187	1.0

b) Emission frequencies above 1 GHz Channel HI

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2125.00	H	55.08	0.44	55.52	74	-18.48	Peak	205	1.0
2125.00	H	39.19	0.33	39.52	54	-14.48	Ave	213	1.0
4176.20	H	51.83	6.71	58.54	74	-15.46	Peak	210	1.0
4176.20	H	42.27	6.72	48.99	54	-5.01	Ave	188	1.0
2309.10	V	56.09	0.22	56.31	74	-17.69	Peak	182	1.0
2309.10	V	48.40	0.27	48.67	54	-5.33	Ave	195	1.0
4176.20	V	52.81	6.08	58.59	74	-15.11	Peak	190	1.0
4176.20	V	46.63	6.08	52.71	54	-1.29	Ave	219	1.0
7387.00	V	47.72	11.23	58.95	74	-15.05	Peak	200	1.0
7387.00	V	36.91	11.22	48.13	54	-5.87	Ave	205	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel LO

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.93	-21.06	33.87	40.0	-6.13	Peak	192	1.0
249.60	H	57.11	-13.75	43.36	46.0	-2.64	Q.P	218	1.0
374.98	H	54.79	-10.10	44.69	46.0	-1.31	Q.P	182	1.0
55.96	V	54.49	-21.15	33.34	40.0	-6.66	Peak	208	1.0
124.98	V	51.66	-15.29	36.37	43.5	-7.13	Peak	217	1.0
198.68	V	53.38	-16.73	36.65	43.5	-6.85	Peak	189	1.0
249.98	V	56.25	-13.69	42.56	46.0	-3.44	Peak	205	1.0

b) Emission frequencies above 1 GHz Channel LO

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2037.90	H	46.22	0.03	46.25	54	-7.75	Ave	191	1.0
4076.20	H	53.75	6.67	60.42	74	-13.58	Peak	200	1.0
4076.20	H	43.71	6.67	50.38	54	-3.62	Ave	211	1.0
4076.20	V	57.18	6.05	63.23	74	-10.77	Peak	202	1.0
4076.20	V	44.66	60.5	50.71	54	-3.29	Ave	205	1.0
7228.70	V	49.26	11.07	60.33	74	-13.67	Peak	185	1.0
7228.70	V	34.98	11.05	46.03	54	-7.97	Ave	188	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel MID

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.65	-21.06	33.59	40.0	-6.41	Peak	217	1.0
249.60	H	57.88	-13.75	44.13	46.0	-1.87	Q.P	213	1.0
374.98	H	54.52	-10.10	44.42	46.0	-1.58	Q.P	210	1.0
55.96	V	54.19	-21.15	33.04	40.0	-6.96	Peak	186	1.0
124.98	V	51.49	-15.29	36.20	43.5	-7.30	Peak	209	1.0
198.68	V	53.77	-16.73	37.04	43.5	-6.46	Peak	194	1.0
249.98	V	56.02	-13.69	42.33	46.0	-3.67	Peak	199	1.0

b) Emission frequencies above 1 GHz Channel MID

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2053.00	H	37.57	0.08	37.65	54	-6.35	Ave	218	1.0
4125.90	H	51.11	6.69	57.80	74	-16.20	Peak	200	1.0
4125.90	H	44.85	6.69	51.54	54	-2.46	Ave	194	1.0
4125.90	V	54.23	6.06	60.29	74	-13.71	Peak	187	1.0
4125.90	V	46.07	6.07	52.14	54	-1.86	Ave	196	1.0
7314.30	V	49.60	11.14	60.74	74	-13.26	Peak	199	1.0
7314.30	V	35.03	11.14	46.17	54	-7.83	Ave	207	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel HI

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.73	-21.06	33.67	40.0	-6.33	Peak	193	1.0
249.60	H	57.45	-13.75	43.70	46.0	-2.30	Q.P	206	1.0
374.98	H	54.79	-10.10	44.69	46.0	-1.31	Q.P	218	1.0
55.96	V	54.43	-21.15	33.28	40.0	-6.72	Peak	189	1.0
124.98	V	51.85	-15.29	36.56	43.5	-6.94	Peak	202	1.0
198.68	V	53.92	-16.73	37.19	43.5	-6.31	Peak	215	1.0
249.98	V	56.26	-13.69	42.57	46.0	-3.43	Peak	217	1.0

b) Emission frequencies above 1 GHz Channel HI

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2079.00	H	36.43	0.18	36.61	54	-17.39	Ave	195	1.0
4176.20	H	50.28	6.71	56.99	74	-17.01	Peak	212	1.0
4176.20	H	41.66	6.72	48.38	54	-5.62	Ave	210	1.0
4176.20	V	54.73	6.08	60.81	74	-13.19	Peak	201	1.0
4176.20	V	46.09	6.08	52.17	54	-1.83	Ave	182	1.0
7381.10	V	47.68	11.23	58.91	74	-15.09	Peak	187	1.0
7381.10	V	34.65	11.22	45.87	54	-8.13	Ave	185	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Test mode 2:

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel LO

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.55	-21.06	33.49	40.0	-6.51	Peak	211	1.0
249.60	H	57.62	-13.75	43.87	46.0	-2.13	Q.P	218	1.0
374.98	H	54.33	-10.10	44.23	46.0	-1.77	Q.P	184	1.0
55.96	V	54.34	-21.15	33.19	40.0	-6.81	Peak	182	1.0
124.98	V	51.38	-15.29	36.09	43.5	-7.41	Peak	191	1.0
198.68	V	53.43	-16.73	36.70	43.5	-6.80	Peak	204	1.0
249.98	V	56.85	-13.69	43.16	46.0	-2.84	Q.P	197	1.0

b) Emission frequencies above 1 GHz Channel LO

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2037.90	H	56.59	0.02	56.61	74	-17.39	Peak	192	1.0
2037.90	H	45.31	0.04	45.35	54	-8.65	Ave	190	1.0
4076.20	H	54.05	6.67	60.72	74	-13.28	Peak	200	1.0
4076.20	H	42.11	6.69	48.80	54	-5.20	Ave	210	1.0
2037.90	V	50.07	-0.67	49.40	54	-4.60	Ave	214	1.0
4823.00	V	59.53	7.33	66.86	74	-7.14	Peak	184	1.0
4823.00	V	44.82	7.36	52.18	54	-1.82	Ave	188	1.0
7238.60	V	53.00	11.05	64.05	74	-9.95	Peak	212	1.0
7238.60	V	40.81	11.06	51.87	54	-2.13	Ave	199	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel MID

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.19	-21.06	33.13	40.0	-6.87	Peak	207	1.0
249.60	H	57.43	-13.75	43.68	46.0	-2.32	Q.P	194	1.0
374.98	H	54.68	-10.10	44.58	46.0	-1.42	Q.P	199	1.0
55.96	V	54.25	-21.15	33.10	40.0	-6.90	Peak	189	1.0
124.98	V	51.03	-15.29	35.74	43.5	-7.76	Peak	184	1.0
198.68	V	53.78	-16.73	37.05	43.5	-6.45	Peak	213	1.0
249.98	V	56.51	-13.69	42.82	46.0	-3.18	Peak	215	1.0

b) Emission frequencies above 1 GHz Channel MID

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2053.00	H	57.43	0.08	57.51	74	-16.49	Peak	185	1.0
2053.00	H	47.48	0.08	47.56	54	-6.44	Ave	217	1.0
4113.50	H	51.51	6.68	58.19	74	-15.81	Peak	202	1.0
4113.50	H	40.92	6.69	47.61	54	-6.39	Ave	204	1.0
2063.10	V	55.14	-0.62	54.52	74	-19.48	Peak	183	1.0
2063.10	V	51.30	-0.58	50.72	54	-3.28	Ave	194	1.0
4875.50	V	60.03	7.52	67.55	74	-6.45	Peak	215	1.0
4875.50	V	46.40	7.55	53.95	54	-0.05	Ave	189	1.0
7310.20	V	53.59	11.14	64.73	74	-9.27	Peak	206	1.0
7310.20	V	41.59	11.14	52.73	54	-1.27	Ave	216	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz Channel HI

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.85	-21.06	33.79	40.0	-6.21	Peak	185	1.0
249.60	H	57.25	-13.75	43.50	46.0	-2.50	Q.P	196	1.0
374.98	H	54.23	-10.10	44.13	46.0	-1.87	Q.P	181	1.0
55.96	V	54.14	-21.15	32.99	40.0	-7.01	Peak	202	1.0
124.98	V	51.22	-15.29	35.93	43.5	-7.57	Peak	206	1.0
198.68	V	53.77	-16.73	37.04	43.5	-6.46	Peak	214	1.0
249.98	V	56.62	-13.69	42.93	46.0	-3.07	Peak	218	1.0

b) Emission frequencies above 1 GHz Channel HI

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2079.00	H	54.36	0.17	54.53	74	-19.47	Peak	191	1.0
2079.00	H	43.78	0.18	43.96	54	-10.04	Ave	190	1.0
4165.50	H	49.62	6.71	56.33	74	-17.67	Peak	203	1.0
4165.50	H	38.13	6.72	44.85	54	-9.15	Ave	206	1.0
4919.50	H	48.03	8.49	56.52	74	-17.48	Peak	184	1.0
4919.50	H	37.29	8.50	45.79	54	-8.21	Ave	188	1.0
2079.00	V	42.53	-0.54	41.99	54	-12.01	Ave	187	1.0
4923.00	V	57.21	7.71	64.92	74	-9.08	Peak	203	1.0
4923.00	V	44.10	7.72	51.82	54	-2.18	Ave	218	1.0
7385.00	V	51.55	11.23	62.78	74	-11.22	Peak	210	1.0
7385.00	V	39.67	11.22	50.89	54	-3.11	Ave	202	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel LO

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.96	-21.06	33.90	40.0	-6.10	Peak	218	1.0
249.60	H	57.82	-13.75	44.07	46.0	-1.93	Q.P	209	1.0
374.98	H	54.22	-10.10	44.12	46.0	-1.88	Q.P	202	1.0
55.96	V	54.93	-21.15	33.78	40.0	-6.22	Peak	198	1.0
124.98	V	51.41	-15.29	36.12	43.5	-7.38	Peak	188	1.0
198.68	V	53.33	-16.73	36.60	43.5	-6.90	Peak	214	1.0
249.98	V	56.74	-13.69	43.05	46.0	-2.95	Q.P	207	1.0

b) Emission frequencies above 1 GHz Channel LO

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
1669.50	H	42.61	-2.03	40.58	54	-13.42	Ave	184	1.0
2033.50	H	56.77	0.02	56.79	74	-17.21	Peak	191	1.0
2033.50	H	44.43	0.03	44.46	54	-9.54	Ave	214	1.0
4081.00	H	55.58	6.67	62.25	74	-11.75	Peak	193	1.0
4081.00	H	43.27	6.68	49.95	54	-4.05	Ave	182	1.0
2037.90	V	50.29	-0.67	49.62	54	-4.38	Ave	219	1.0
4076.20	V	51.88	6.05	57.93	74	-16.07	Peak	180	1.0
4076.20	V	44.30	6.05	50.35	54	-3.65	Ave	183	1.0
4824.70	V	52.31	7.33	59.64	74	-14.36	Peak	192	1.0
4824.70	V	38.40	7.36	45.77	54	-8.23	Ave	197	1.0
7229.10	V	50.31	11.05	61.36	74	-12.64	Peak	185	1.0
7229.10	V	35.87	11.05	45.92	54	-7.08	Ave	212	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel MID

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.61	-21.06	33.55	40.0	-6.45	Peak	210	1.0
249.60	H	57.68	-13.75	43.93	46.0	-2.07	Q.P	207	1.0
374.98	H	54.92	-10.10	44.82	46.0	-1.18	Q.P	204	1.0
55.96	V	54.63	-21.15	33.48	40.0	-6.52	Peak	188	1.0
124.98	V	51.17	-15.29	35.88	43.5	-7.62	Peak	193	1.0
198.68	V	53.24	-16.73	36.51	43.5	-6.99	Peak	195	1.0
249.98	V	56.35	-13.69	42.66	46.0	-3.34	Peak	215	1.0

b) Emission frequencies above 1 GHz Channel MID

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2053.00	H	57.77	0.08	57.85	74	-16.15	Peak	201	1.0
2053.00	H	45.28	0.09	45.37	54	-8.63	Ave	211	1.0
4113.50	H	52.49	6.69	59.18	74	-14.82	Peak	185	1.0
4113.50	H	40.75	6.69	47.44	54	-6.56	Ave	194	1.0
2053.00	V	54.91	-0.62	54.29	74	-19.71	Peak	189	1.0
2053.00	V	52.39	-0.63	51.76	54	-2.24	Ave	215	1.0
4113.50	V	49.82	6.06	55.88	74	-18.12	Peak	210	1.0
4113.50	V	38.65	6.07	44.72	54	-9.28	Ave	180	1.0
4867.50	V	50.75	7.52	58.27	74	-15.73	Peak	182	1.0
4867.50	V	37.53	7.53	45.06	54	-8.94	Ave	206	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz Channel HI

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
72.70	H	54.42	-21.06	33.36	40.0	-6.64	Peak	208	1.0
249.60	H	57.78	-13.75	44.03	46.0	-1.97	Q.P	212	1.0
374.98	H	54.07	-10.10	43.97	46.0	-2.03	Q.P	205	1.0
55.96	V	54.44	-21.15	33.29	40.0	-6.71	Peak	196	1.0
124.98	V	51.18	-15.29	35.89	43.5	-7.61	Peak	183	1.0
198.68	V	53.24	-16.73	36.51	43.5	-6.99	Peak	188	1.0
249.98	V	56.59	-13.69	42.90	46.0	-3.10	Peak	217	1.0

b) Emission frequencies above 1 GHz Channel HI

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
2079.00	H	54.27	0.17	54.44	74	-19.56	Peak	187	1.0
2079.00	H	42.92	0.18	43.10	54	-10.90	Ave	202	1.0
4165.50	H	52.57	6.71	59.28	74	-14.72	Peak	188	1.0
4165.50	H	40.88	6.72	47.60	54	-6.40	Ave	199	1.0
2079.00	V	40.59	-0.54	40.05	54	-13.95	Ave	193	1.0
4165.50	V	50.93	6.08	57.01	74	-16.99	Peak	211	1.0
4165.50	V	39.28	6.09	45.37	54	-8.63	Ave	207	1.0
4919.50	V	48.48	7.71	56.19	74	-17.81	Peak	185	1.0
4919.50	V	36.55	7.72	44.27	54	-9.73	Ave	194	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection at frequency below 1GHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.

4.3.3. Photographs of Radiated Emission Test

Test mode 1:

FRONT VIEW



REAR VIEW



Test mode 2::

FRONT VIEW



REAR VIEW

