

4.3. Test Result of Radiated emission

Test mode 1: Antenna type2

Emission frequencies below 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
125.00	H	48.96	-14.87	34.09	43.5	-9.41	Peak	216	1.0
133.34	H	54.66	-15.22	39.44	43.5	-4.06	Q.P	199	1.0
193.91	H	51.24	-16.59	34.65	43.5	-8.85	Peak	144	1.0
400.03	H	51.42	-8.68	42.74	46.0	-3.26	Q.P	211	1.0
600.05	H	44.29	-5.66	38.63	46.0	-7.37	Peak	209	1.0
125.00	V	49.23	-14.87	34.36	43.5	-9.14	Peak	212	1.0
133.34	V	54.19	-15.22	38.97	43.5	-4.53	Q.P	197	1.0
218.36	V	50.97	-16.86	34.11	46.0	-11.89	Peak	204	1.0
251.13	V	52.37	-13.23	39.14	46.0	-6.86	Peak	195	1.0
399.40	V	48.12	-8.70	39.42	46.0	-6.58	Peak	192	1.0
500.27	V	46.14	-7.25	38.89	46.0	-7.11	Peak	186	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2383.80	H	53.19	1.24	54.43	74	-19.57	Peak	305	1.0
2383.80	H	40.92	1.23	42.15	54	-11.85	Ave	305	1.0
2457.90	H	54.01	1.61	55.62	74	-18.38	Peak	260	1.0
2457.90	H	40.95	1.48	42.43	54	-11.57	Ave	260	1.0
4827.90	H	50.53	8.14	58.67	74	-15.33	Peak	200	1.0
4827.90	H	34.92	8.14	43.06	54	-10.94	Ave	200	1.0
7236.00	H	---	11.89	---	54	---	Ave	---	---
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
2397.00	V	58.79	0.57	59.37	74	-14.63	Peak	245	1.1
2397.00	V	47.32	0.57	47.89	54	-6.11	Ave	245	1.1
2514.00	V	58.03	0.98	59.01	74	-14.99	Peak	240	1.1
2514.00	V	46.38	0.79	47.17	54	-6.83	Ave	240	1.1
4825.80	V	55.89	7.35	63.25	74	-10.75	Peak	195	1.1
4825.80	V	38.41	7.37	45.77	54	-8.23	Ave	195	1.1
7237.40	V	49.95	11.05	61.01	74	-12.99	Peak	205	1.1
7237.40	V	41.25	11.06	52.31	54	-1.69	Ave	205	1.1
9648.00	V	---	13.57	---	54	---	Ave	---	---
12060.00	V	---	15.93	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2342.7	H	55.17	1.12	56.29	74	-17.71	Peak	295	1.0
2342.7	H	44.08	1.09	45.17	54	-8.83	Ave	295	1.0
2504.4	H	53.98	1.65	55.62	74	-18.38	Peak	260	1.0
2504.4	H	41.47	1.50	42.96	54	-11.04	Ave	260	1.0
4875.9	H	50.83	8.32	59.15	74	-14.85	Peak	205	1.0
4875.9	H	36.38	8.32	44.70	54	-9.30	Ave	205	1.0
7311.0	H	---	12.05	---	54	---	Ave	---	---
9748.0	H	---	14.71	---	54	---	Ave	---	---
12185.0	H	---	15.82	---	54	---	Ave	---	---
2351.1	V	58.53	0.44	58.97	74	-15.03	Peak	240	1.1
2351.1	V	45.29	0.41	45.70	54	-8.30	Ave	240	1.1
2475.0	V	59.35	0.84	60.19	74	-13.81	Peak	219	1.1
2475.0	V	44.23	0.84	45.08	54	-8.92	Ave	219	1.1
4872.2	V	57.98	7.53	65.51	74	-8.49	Peak	195	1.1
4872.2	V	41.43	7.53	48.96	54	-5.04	Ave	195	1.1
7315.0	V	50.14	11.14	61.28	74	-12.72	Peak	190	1.1
7315.0	V	37.34	11.14	48.48	54	-5.52	Ave	190	1.1
9748.0	V	---	13.66	---	54	---	Ave	---	---
12185.0	V	---	15.68	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2343.5	H	55.38	1.12	56.50	74	-17.50	Peak	310	1.0
2343.5	H	43.88	1.09	44.97	54	-9.06	Ave	310	1.0
2488.7	H	54.26	1.65	55.90	74	-18.10	peak	255	1.0
2488.7	H	41.78	1.59	43.37	54	-10.63	Ave	255	1.0
4922.2	H	50.85	8.50	59.35	74	-14.65	Peak	185	1.0
4922.2	H	35.32	8.50	43.82	54	-10.18	Ave	185	1.0
7386.0	H	---	12.21	---	54	---	Ave	---	---
9848.0	H	---	14.78	---	54	---	Ave	---	---
12310.0	H	---	15.79	---	54	---	Ave	---	---
2433.4	V	57.81	0.54	58.35	74	-15.65	Peak	235	1.1
2433.4	V	46.11	0.70	46.81	54	-7.19	Ave	235	1.1
2502.3	V	59.31	0.92	60.23	74	-13.77	Peak	245	1.1
2502.3	V	44.39	0.94	45.32	54	8.68	Ave	245	1.1
4925.9	V	58.01	7.72	65.73	74	-8.27	Peak	195	1.1
4925.9	V	40.86	7.73	48.59	54	-5.41	Ave	195	1.1
7384.6	V	49.70	11.22	60.92	74	-13.08	Peak	205	1.1
7384.6	V	35.17	11.22	46.39	54	-7.61	Ave	205	1.1
9848.0	V	---	13.75	---	54	---	Ave	---	---
12310.0	V	---	15.44	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2349.9	H	56.75	1.10	57.85	74	-16.15	Peak	310	1.0
2349.9	H	44.10	1.11	45.21	54	-8.79	Ave	310	1.0
2511.6	H	52.79	1.67	54.46	74	-19.54	Peak	260	1.0
2511.6	H	41.62	1.66	43.28	54	-10.72	Ave	260	1.0
4828.0	H	47.85	8.14	55.99	74	-18.01	Peak	205	1.0
4828.0	H	33.51	8.08	41.59	54	-12.41	Ave	205	1.0
7236.0	H	---	11.89	---	54	---	Ave	---	---
9648.0	H	---	14.64	---	54	---	Ave	---	---
12060.0	H	---	15.84	---	54	---	Ave	---	---
2371.9	V	58.07	0.48	58.55	74	-15.45	Peak	255	1.1
2371.9	V	45.4	0.49	45.89	54	-8.11	Ave	255	1.1
2475.9	V	57.87	0.86	58.73	74	-15.27	Peak	235	1.1
2475.9	V	45.82	0.85	46.67	54	-7.33	Ave	235	1.1
4825.5	V	50.19	7.35	57.55	74	-16.45	Peak	200	1.1
4825.5	V	35.53	7.36	41.9	54	-12.1	Ave	200	1.1
7233.0	V	50.50	11.06	61.56	74	-12.44	Peak	185	1.1
7233.0	V	34.58	11.05	45.63	54	-8.37	Ave	185	1.1
9648.0	V	---	13.57	---	54	---	Ave	---	---
12060.0	V	---	15.93	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: IEEE 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2395.9	H	55.90	1.26	57.16	74	-16.84	Peak	295	1.0
2395.9	H	43.78	1.27	45.05	54	-8.95	Ave	295	1.0
4871.9	H	46.54	8.27	54.81	74	-19.19	Peak	200	1.0
4871.9	H	34.46	8.31	42.76	54	-11.24	Ave	200	1.0
7311.0	H	---	12.05	---	54	---	Ave	---	---
9748.0	H	---	14.71	---	54	---	Ave	---	---
12185.0	H	---	15.82	---	54	---	Ave	---	---
2393.4	V	58.99	0.48	59.47	74	-14.53	Peak	260	1.1
2393.4	V	44.95	0.56	45.51	54	-8.49	Ave	260	1.1
2476.2	V	59.89	0.78	60.67	74	-13.33	Peak	230	1.1
2476.2	V	46.21	0.85	47.05	54	-6.95	Ave	230	1.1
4873.5	V	53.96	7.56	61.52	74	-12.48	Peak	190	1.1
4873.5	V	39.74	7.54	47.28	54	-6.72	Ave	190	1.1
7311.9	V	50.51	11.15	61.66	74	-12.34	Peak	195	1.1
7311.9	V	35.5	11.14	46.64	54	-7.36	Ave	195	1.1
9748.0	V	---	13.66	---	54	---	Ave	---	---
12185.0	V	---	15.68	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: IEEE 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2321.4	H	56.10	1.10	57.20	74	-16.80	Peak	290	1.0
2321.4	H	40.89	1.01	41.90	54	-12.10	Ave	290	1.0
4926.0	H	46.11	8.52	54.62	74	-19.38	Peak	185	1.0
4926.0	H	33.11	8.51	41.62	54	-12.38	Ave	185	1.0
7386.0	H	---	12.21	---	54	---	Ave	---	---
9848.0	H	---	14.78	---	54	---	Ave	---	---
12310.0	H	---	15.79	---	54	---	Ave	---	---
2342.6	V	53.51	0.39	53.89	74	-20.11	Peak	250	1.1
2342.6	V	45.29	0.45	45.74	54	-8.26	Ave	250	1.1
2518.3	V	58.17	0.96	59.14	74	-14.86	Peak	290	1.1
2518.3	V	44.98	0.99	45.87	54	-8.03	Ave	290	1.1
4923.1	V	54.34	7.73	62.07	74	-11.93	Peak	188	1.1
4923.1	V	38.87	7.72	46.59	54	-7.41	Ave	188	1.1
7378.3	V	51.22	11.22	62.44	74	-11.56	Peak	176	1.1
7378.3	V	34.80	11.21	46.01	54	-7.99	Ave	176	1.1
9848.0	V	---	13.75	---	54	---	Ave	---	---
12310.0	V	---	15.44	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Test mode 2: Antenna type3

Emission frequencies below 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
133.34	H	53.06	-15.22	37.84	43.5	-5.66	Q.P	210	1.0
267.33	H	48.57	-11.96	36.61	46.0	-9.39	Peak	202	1.0
400.03	H	51.63	-8.68	42.95	46.0	-3.05	Q.P	211	1.0
600.05	H	45.66	-5.66	40.00	46.0	-6.00	Peak	224	1.0
803.30	H	42.34	-2.65	39.69	46.0	-6.31	Peak	197	1.0
125.00	V	49.11	-14.87	34.24	43.5	-9.26	Peak	205	1.0
133.34	V	55.01	-15.22	39.79	43.5	-3.71	Q.P	212	1.0
199.99	V	51.24	-16.26	34.98	43.5	-8.52	Peak	219	1.0
251.13	V	53.43	-13.23	40.20	46.0	-5.80	Peak	216	1.0
451.90	V	47.74	-8.43	39.31	46.0	-6.69	Peak	221	1.0

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2393.0	H	49.45	1.26	50.71	74	-23.29	Peak	305	1.0
2393.0	H	41.46	1.26	42.72	54	-11.28	Ave	305	1.0
4824.0	H	---	8.12	---	54	---	Ave	---	---
7236.0	H	---	11.89	---	54	---	Ave	---	---
9648.0	H	---	14.64	---	54	---	Ave	---	---
12060.0	H	---	15.84	---	54	---	Ave	---	---
2386.2	V	57.03	0.50	57.53	74	-16.47	Peak	315	1.1
2386.2	V	43.26	0.54	43.80	54	-10.20	Ave	315	1.1
4825.8	V	51.69	7.35	59.04	74	-14.96	Peak	175	1.1
4825.8	V	38.71	7.37	46.08	54	-7.92	Ave	175	1.1
7236.0	V	---	11.06	---	54	---	Ave	---	---
9648.0	V	---	13.57	---	54	---	Ave	---	---
12060.0	V	---	15.93	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emission is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2386.0	H	49.49	1.24	50.72	74	-23.28	Peak	295	1.0
2386.0	H	41.26	1.24	42.50	54	-11.5	Ave	295	1.0
4874.0	H	---	8.32	---	54	---	Ave	---	---
7311.0	H	---	12.05	---	54	---	Ave	---	---
9748.0	H	---	14.71	---	54	---	Ave	---	---
12185.0	H	---	15.82	---	54	---	Ave	---	---
2359.9	V	57.74	0.39	58.13	74	-15.87	Peak	300	1.1
2359.9	V	44.21	0.45	44.65	54	-9.35	Ave	300	1.1
4876.0	V	55.66	7.55	63.21	74	-10.79	Peak	190	1.1
4876.0	V	40.46	7.53	47.99	54	-6.01	Ave	190	1.1
7311.0	V	---	11.14	---	54	---	Ave	---	---
9748.0	V	---	13.66	---	54	---	Ave	---	---
12185.0	V	---	15.68	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2391.6	H	48.16	1.25	49.42	74	-24.58	Peak	280	1.0
2391.6	H	39.22	1.25	40.47	54	-13.53	Ave	280	1.0
4924.0	H	---	8.51	---	54	---	Ave	---	---
7386.0	H	---	12.21	---	54	---	Ave	---	---
9848.0	H	---	14.78	---	54	---	Ave	---	---
12310.0	H	---	15.79	---	54	---	Ave	---	---
2352.4	V	56.73	0.42	57.15	74	-16.85	Peak	335	1.1
2352.4	V	43.69	0.34	44.03	54	-9.97	Ave	335	1.1
4924.0	V	56.53	7.72	64.25	74	-9.75	Peak	195	1.1
4924.0	V	42.47	7.72	50.19	54	-3.81	Ave	195	1.1
7386.0	V	---	11.22	---	54	---	Ave	---	---
9848.0	V	---	13.75	---	54	---	Ave	---	---
12310.0	V	---	15.44	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emission is too below to be measured.

Modulation Standard: 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2395.8	H	49.42	1.27	50.69	74	-23.31	Peak	305	1.0
2395.8	H	40.19	1.27	41.46	54	-12.54	Ave	305	1.0
4824.0	H	---	8.12	---	54	---	Ave	---	---
7236.0	H	---	11.89	---	54	---	Ave	---	---
9648.0	H	---	14.64	---	54	---	Ave	---	---
12060.0	H	---	15.84	---	54	---	Ave	---	---
2346.8	V	56.98	0.40	57.38	74	-16.62	Peak	295	1.1
2346.8	V	44.11	0.36	44.47	54	-9.53	Ave	295	1.1
4825.5	V	47.83	7.38	55.21	74	-18.79	Peak	185	1.1
4825.5	V	36.87	7.36	44.24	54	-9.76	Ave	185	1.1
7236.0	V	---	11.06	---	54	---	Ave	---	---
9648.0	V	---	13.57	---	54	---	Ave	---	---
12060.0	V	---	15.93	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emission is too below to be measured.

Modulation Standard: IEEE 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2387.4	H	48.12	1.24	49.36	74	-24.64	Peak	275	1.0
2387.4	H	39.67	1.24	40.91	54	-13.09	Ave	275	1.0
4874.0	H	---	8.32	---	54	---	Ave	---	---
7311.0	H	---	12.05	---	54	---	Ave	---	---
9748.0	H	---	14.71	---	54	---	Ave	---	---
12185.0	H	---	15.82	---	54	---	Ave	---	---
2391.6	V	57.48	0.55	58.03	74	-15.97	Peak	285	1.1
2391.6	V	44.19	0.55	44.73	54	-9.27	Ave	285	1.1
4878.0	V	50.13	7.56	57.69	74	-16.31	Peak	180	1.1
4878.0	V	34.83	7.52	42.35	54	-11.65	Ave	180	1.1
7311.0	V	---	11.14	---	54	---	Ave	---	---
9748.0	V	---	13.66	---	54	---	Ave	---	---
12185.0	V	---	15.68	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

Modulation Standard: IEEE 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Jan. 10, 2005 Temperature: 23 Humidity: 67% Atmospheric pressure: 1029mmHg

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)
2393.0	H	47.79	1.26	49.05	54	-24.95	Peak	285	1.0
2393.0	H	38.87	1.26	40.13	54	-13.87	Ave	285	1.0
4924.0	H	---	8.51	---	54	---	Ave	---	---
7386.0	H	---	12.21	---	54	---	Ave	---	---
9848.0	H	---	14.78	---	54	---	Ave	---	---
12310.0	H	---	15.79	---	54	---	Ave	---	---
2352.4	V	57.51	0.42	57.93	74	-16.07	Peak	305	1.1
2352.4	V	43.81	0.40	44.21	54	-9.79	Ave	305	1.1
4925.5	V	52.19	7.73	59.92	74	-14.08	Peak	195	1.1
4925.5	V	37.45	7.73	45.18	54	-8.82	Ave	195	1.1
7386.0	V	---	11.22	---	54	---	Ave	---	---
9848.0	V	---	13.75	---	54	---	Ave	---	---
12310.0	V	---	15.44	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for 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.
6. The other emissions is too below to be measured.

4.3.1. Photographs of Radiated Emission Test

Test mode 1: Antenna type2

FRONT VIEW



REAR VIEW



Test mode 2: Antenna type3

FRONT VIEW



REAR VIEW



4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

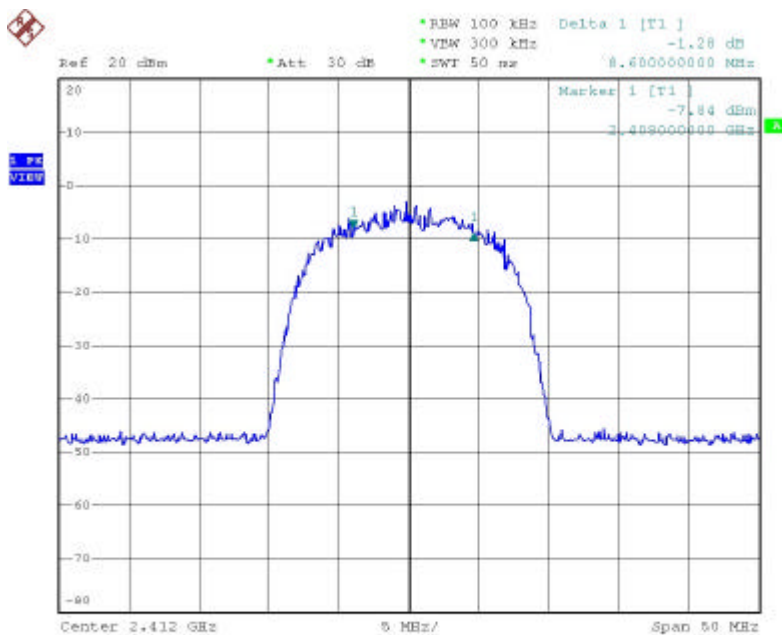
Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028 mmHg

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	8.6
06	2437	8.7
11	2462	8.6

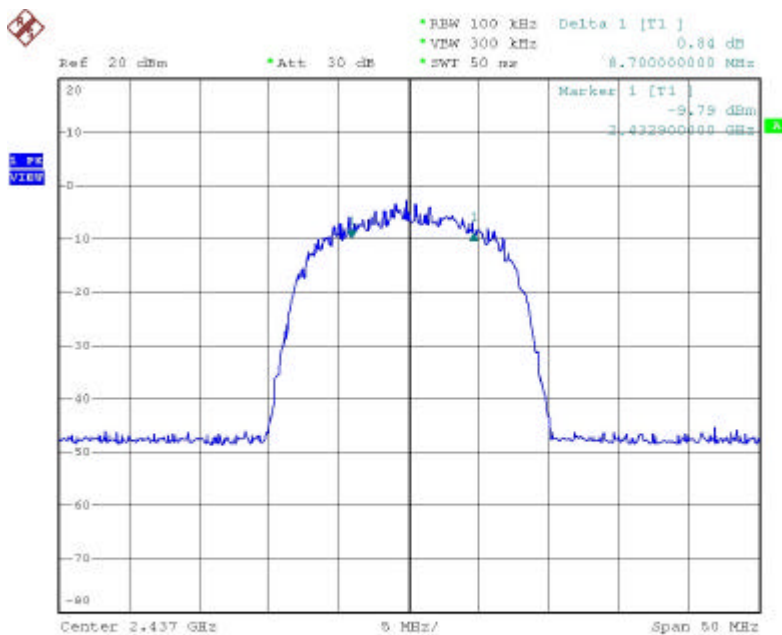
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028 mmHg

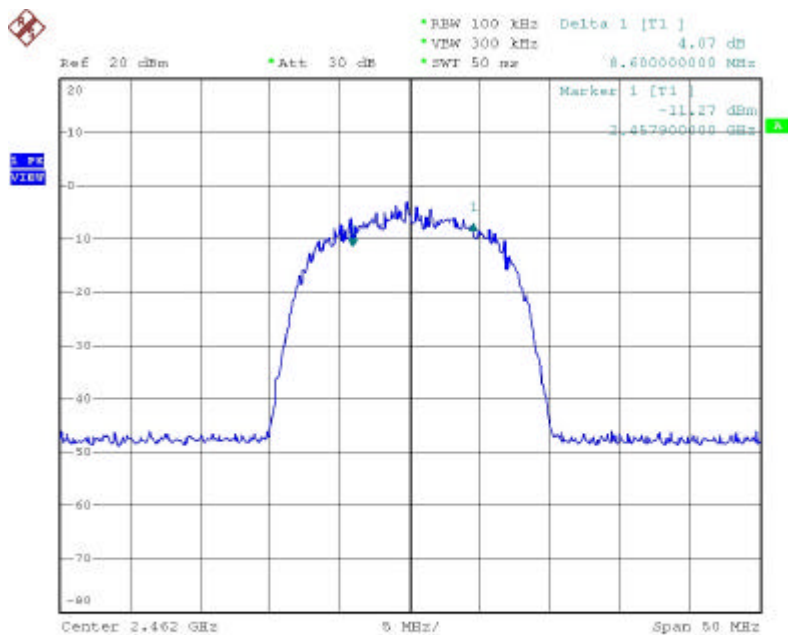
Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.4
06	2437	16.4
11	2462	16.4



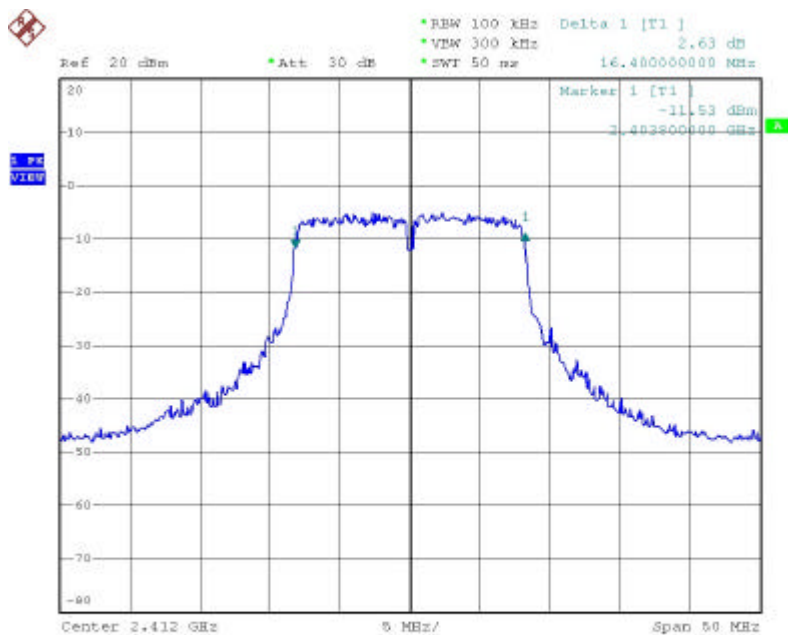
Date: 11.JAN.2005 11:04:09



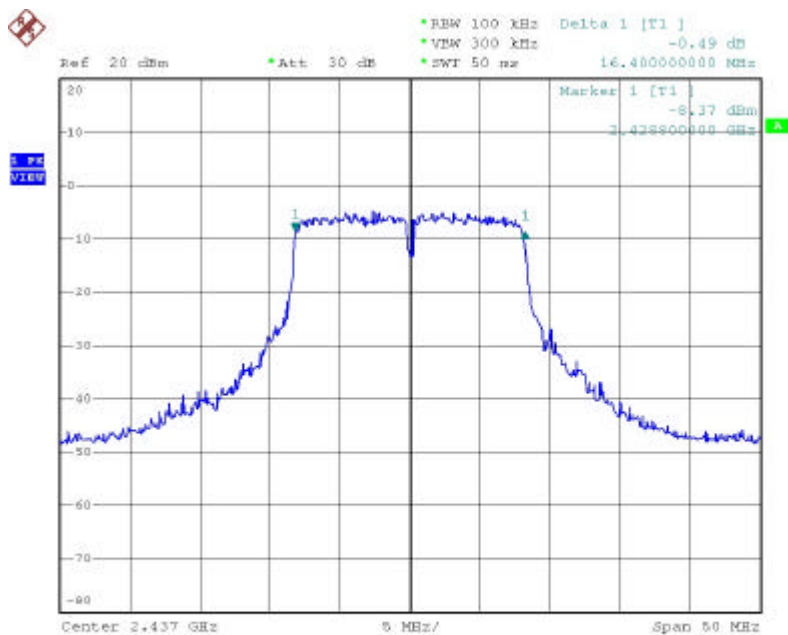
Date: 11.JAN.2005 11:05:40



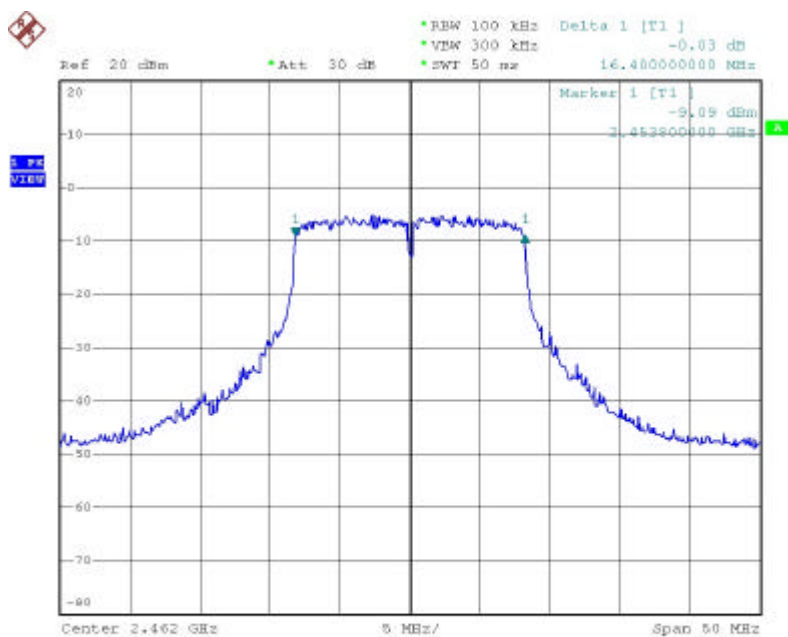
Date: 11.JAN.2005 11:07:22



Date: 11.JAN.2005 11:09:44



Date: 11.JAN.2005 11:11:33



Date: 11.JAN.2005 11:12:59

4.5. Peak Output Power Measurement Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

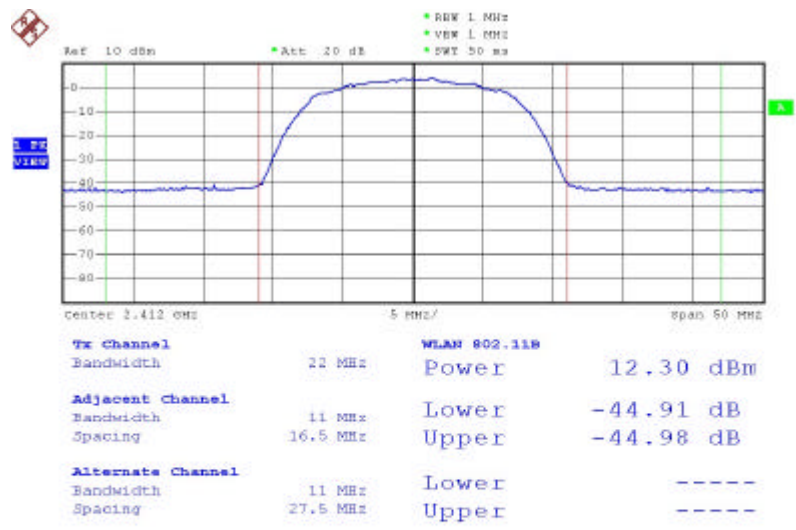
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	12.30	16.982
06	2437	12.50	17.783
11	2462	12.47	17.660

(2) Modulation Standard: IEEE 802.11g (6Mbps)

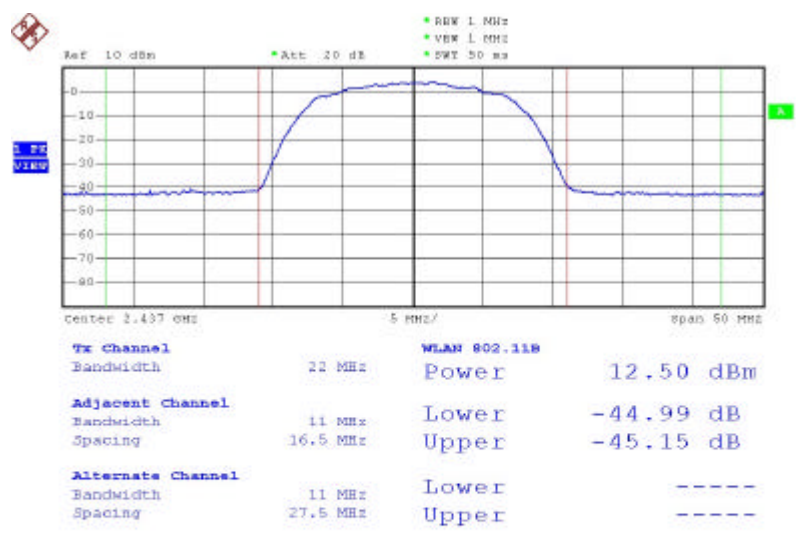
Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	16.44	44.055
06	2437	16.39	43.551
11	2462	16.26	42.267

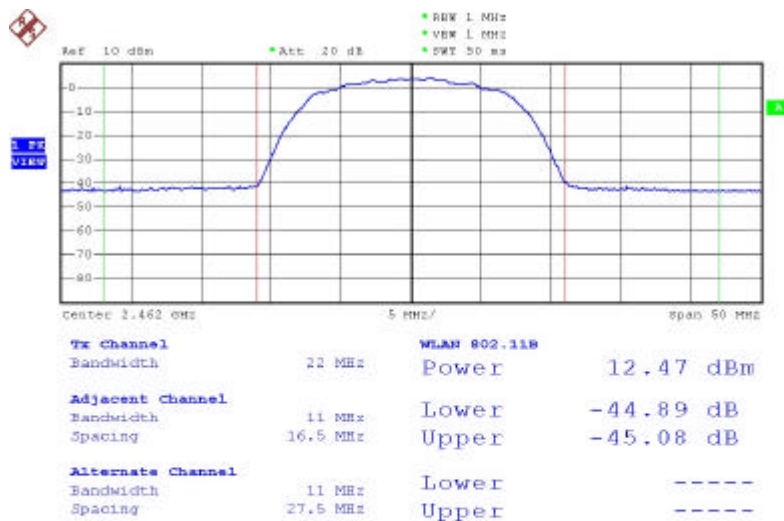
Note: Conducted Power = Reading Value + Cable Loss



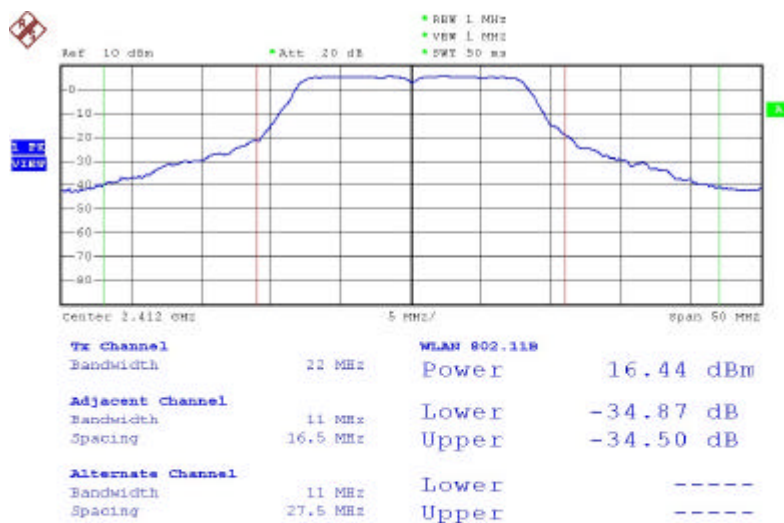
Date: 11.JAN.2005 10:29:28



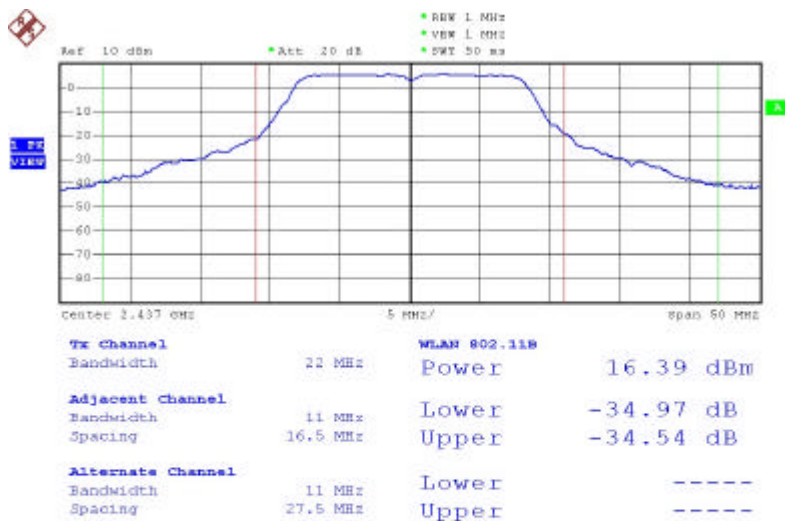
Date: 11.JAN.2005 10:31:52



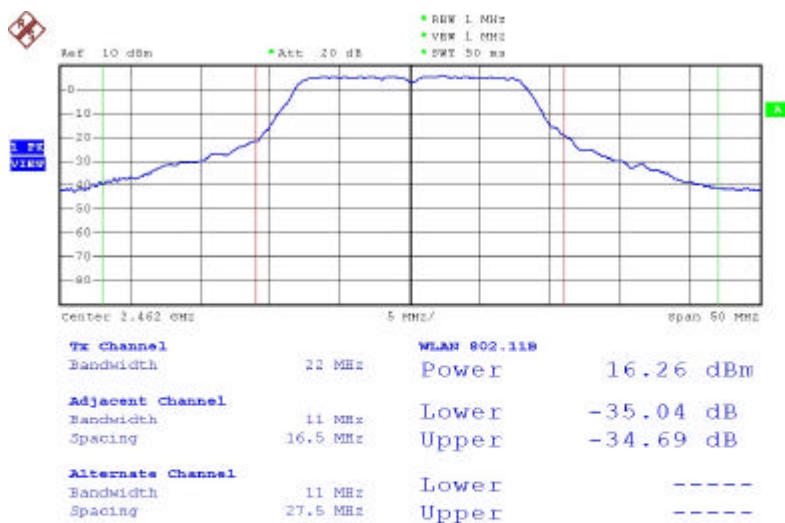
Date: 11.JAN.2005 10:35:10



Date: 11.JAN.2005 10:39:49



Date: 11.JAN.2005 10:41:30



Date: 11.JAN.2005 10:45:59

4.6. Band Edges Measurement Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

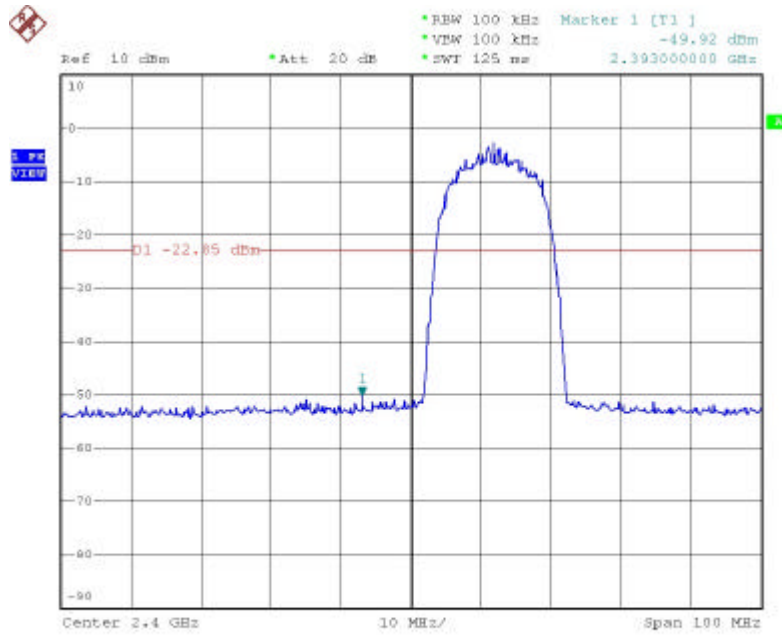
Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2393.0	-49.92
11	2462	2447.9	-50.50

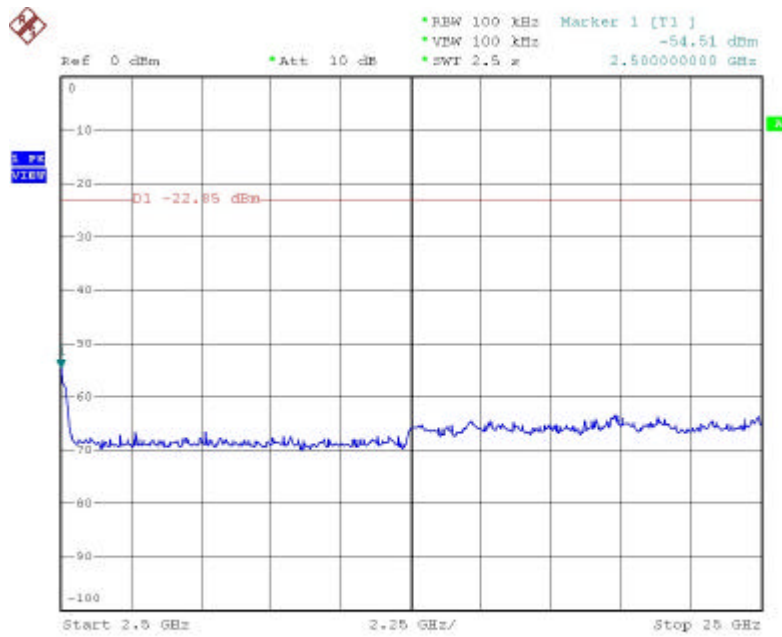
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

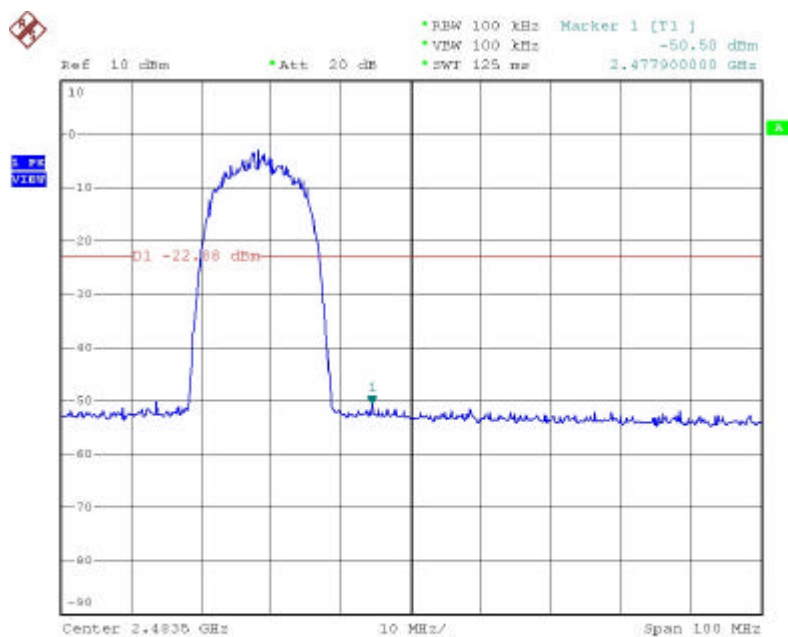
Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2399.8	-35.87
11	2462	2487.5	-51.39



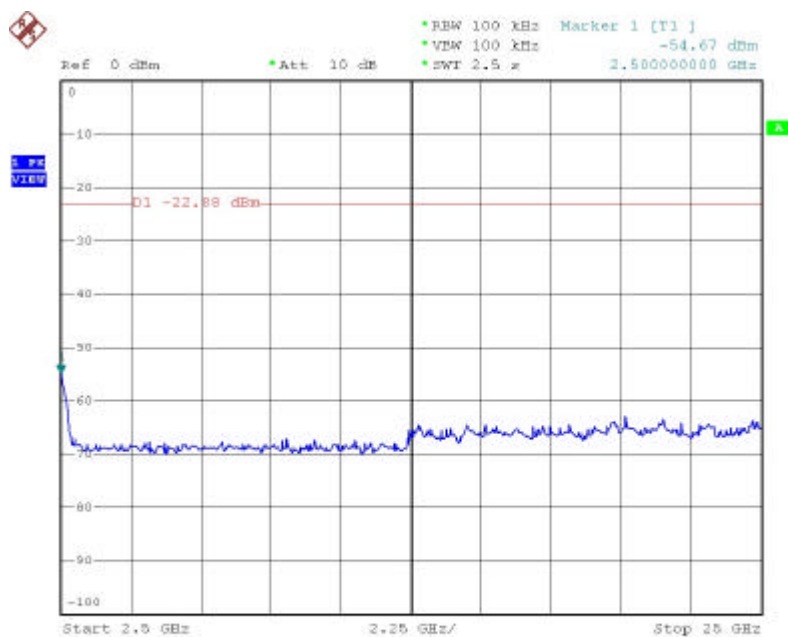
Date: 11.JAN.2005 11:59:34



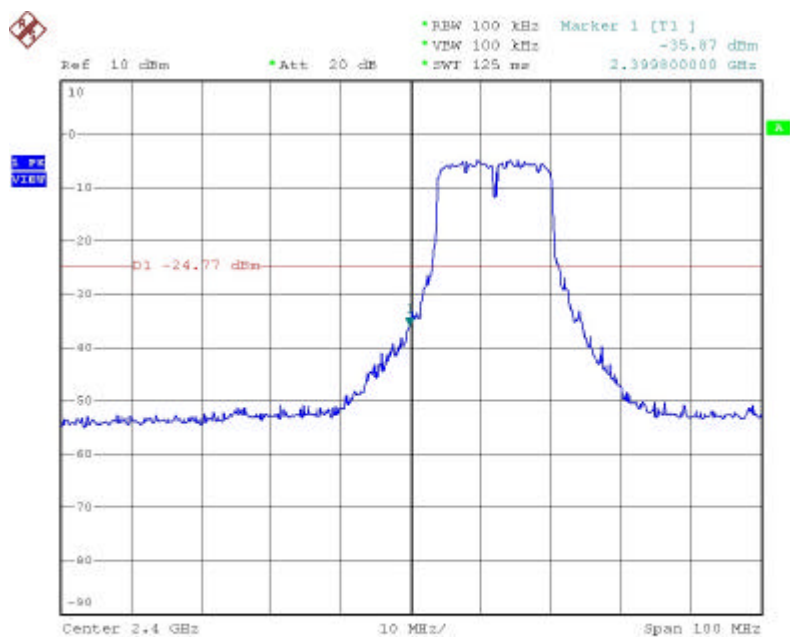
Date: 11.JAN.2005 12:00:47



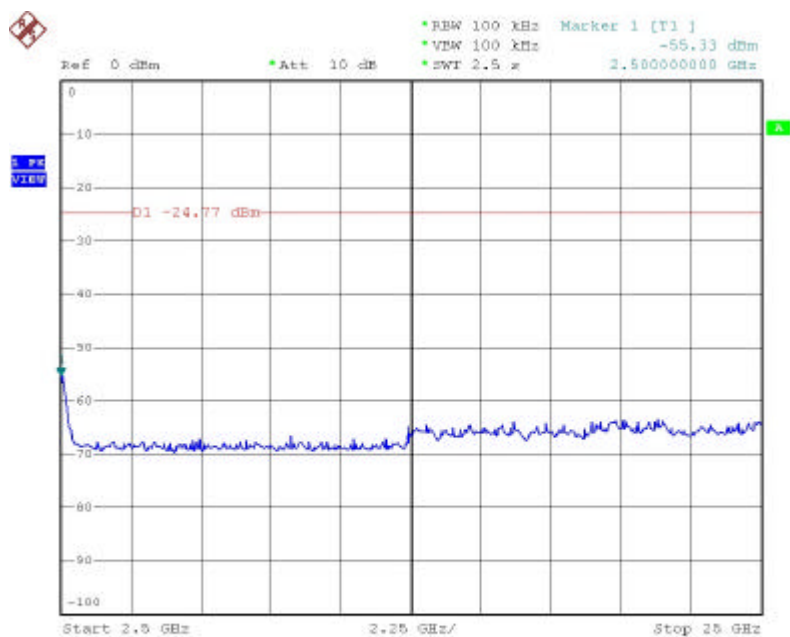
Date: 11.JAN.2005 12:03:29



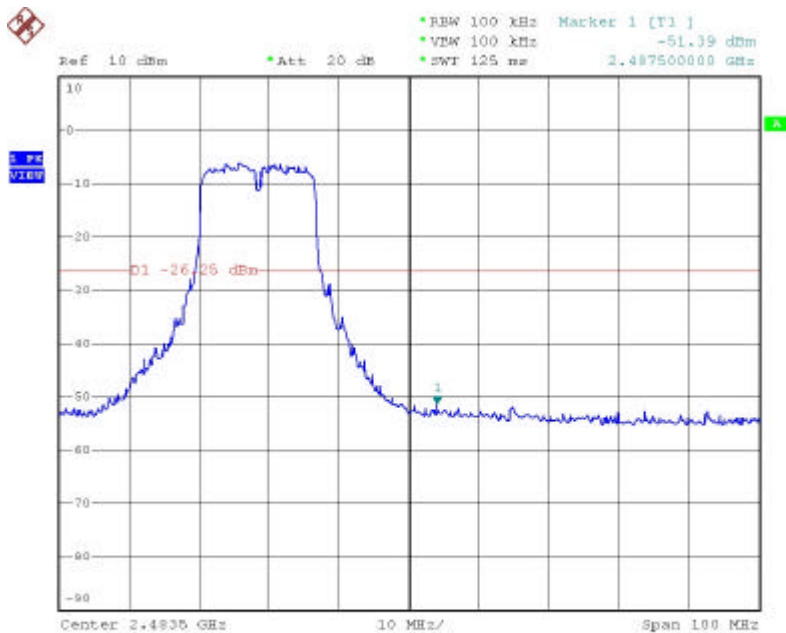
Date: 11.JAN.2005 12:04:52



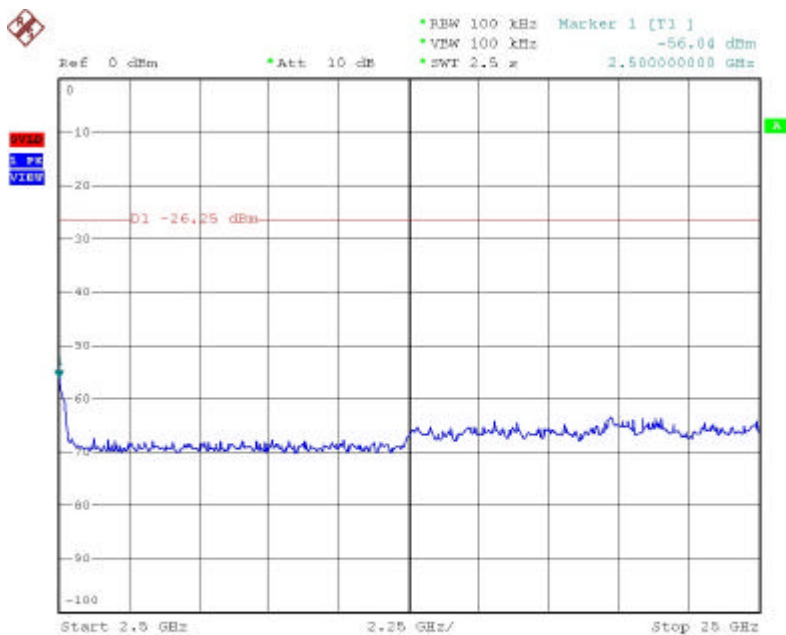
Date: 11.JAN.2005 12:07:44



Date: 11.JAN.2005 12:09:43



Date: 11.JAN.2005 12:25:04



Date: 11.JAN.2005 12:26:20

4.7. Restrict band emission Measurement Data

Modulation Standard: IEEE 802.11b (11Mbps)

Test mode 1: Antenna type2

Test Date: Jan. 08, 2005 Temperature: 24 Humidity: 66% Atmospheric pressure: 1028mmHg

a) Channel 1

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2374.464	H	56.81	1.2	58.01	Peak	74	54	-15.99	205	1.2
2345.904	H	41.63	0.9	42.53	Ave.	74	54	-11.47	205	1.2
2368.140	V	60.54	0.32	60.86	Peak	74	54	-13.14	215	1.2
2389.560	V	46.30	0.55	46.85	Ave.	74	54	-7.15	215	1.2

b) Channel 11

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2490.272	H	56.51	1.60	57.11	Peak	74	54	-16.89	230	1.2
2485.864	H	41.26	1.58	42.84	Ave.	74	54	-11.16	230	1.2
2491.108	V	61.19	1.00	62.19	Peak	74	54	-11.81	225	1.2
2489.892	V	46.09	0.90	46.99	Ave.	74	54	-7.01	225	1.2

Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Jan. 08, 2005 Temperature: 24 Humidity: 66% Atmospheric pressure: 1028mmHg

a) Channel 1

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2356.716	H	57.2	1.05	58.25	Peak	74	54	-15.75	225	1.2
2373.240	H	42.7	1.19	43.89	Ave.	74	54	-10.11	225	1.2
2365.080	V	61.48	0.52	62.00	Peak	74	54	-12.00	235	1.2
2350.392	V	46.5	0.41	46.91	Ave.	74	54	-7.09	235	1.2

b) Channel 11

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2490.348	H	55.82	1.60	57.42	Peak	74	54	-16.58	205	1.2
2483.584	H	41.07	1.57	42.64	Ave.	74	54	-11.36	205	1.2
2490.804	V	60.32	0.94	61.26	Peak	74	54	-12.74	210	1.2
2484.876	V	45.21	0.88	46.09	Ave.	74	54	-7.91	210	1.2

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. 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 (11Mbps)

Test mode 2: Antenna type3

Test Date: Jan. 08, 2005 Temperature: 24 Humidity: 66% Atmospheric pressure: 1028mmHg

c) Channel 1

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2341.620	H	51.14	1.08	52.22	Peak	74	54	-21.78	240	1.2
2341.620	H	---	1.08	---	Ave.	74	54	---	---	---
2345.700	V	59.70	0.41	60.11	Peak	74	54	-13.89	235	1.2
2335.908	V	44.66	0.36	45.02	Ave.	74	54	-8.98	235	1.2

d) Channel 11

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2493.920	H	50.32	1.61	51.93	Peak	74	54	-22.07	220	1.2
2493.920	H	---	1.61	---	Ave.	74	54	---	---	---
2489.968	V	60.61	0.9	61.51	Peak	74	54	-12.49	240	1.2
2490.120	V	45.71	0.9	46.61	Ave.	74	54	-7.39	240	1.2

Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Jan. 08, 2005 Temperature: 24 Humidity: 66% Atmospheric pressure: 1028mmHg

c) Channel 1

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2331.012	H	50.72	1.05	51.77	Peak	74	54	-22.23	215	1.2
2331.012	H	---	1.05	51.77	Ave.	74	54	---	---	---
2347.740	V	59.42	0.40	59.82	Peak	74	54	-14.18	210	1.2
2345.292	V	44.39	0.39	44.78	Ave.	74	54	-9.22	210	1.2

d) Channel 11

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2493.996	H	50.61	1.61	52.22	Peak	74	54	-21.78	245	1.2
2493.996	H	---	1.61	---	Ave.	74	54	---	---	---
2485.180	V	58.80	0.84	59.64	Peak	74	54	-14.36	215	1.2
2490.500	V	44.88	0.90	45.78	Ave.	74	54	-8.22	215	1.2

Notes:

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

4.8. Power Spectral Density Measurement Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

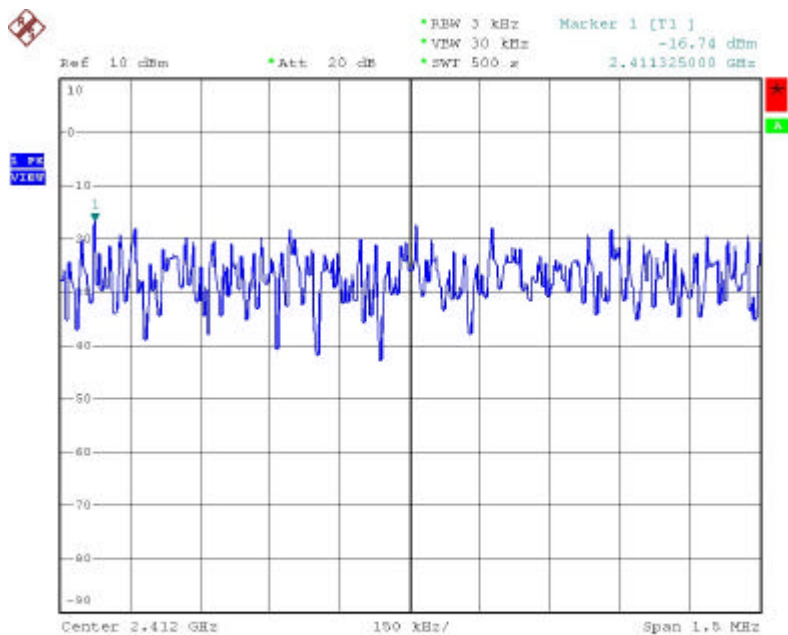
Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-16.74
06	2437	-16.99
11	2462	-17.01

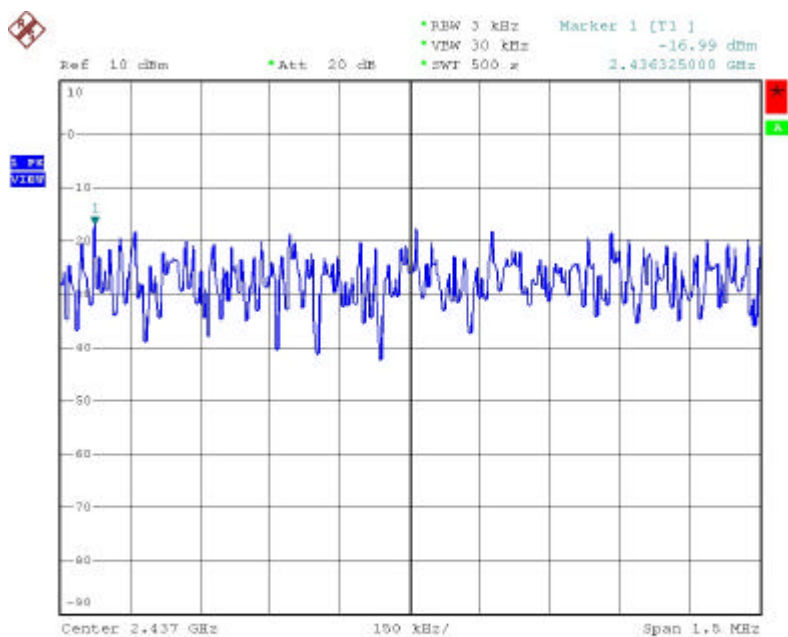
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Jan. 11, 2005 Temperature: 25 Humidity: 62% Atmospheric pressure: 1028mmHg

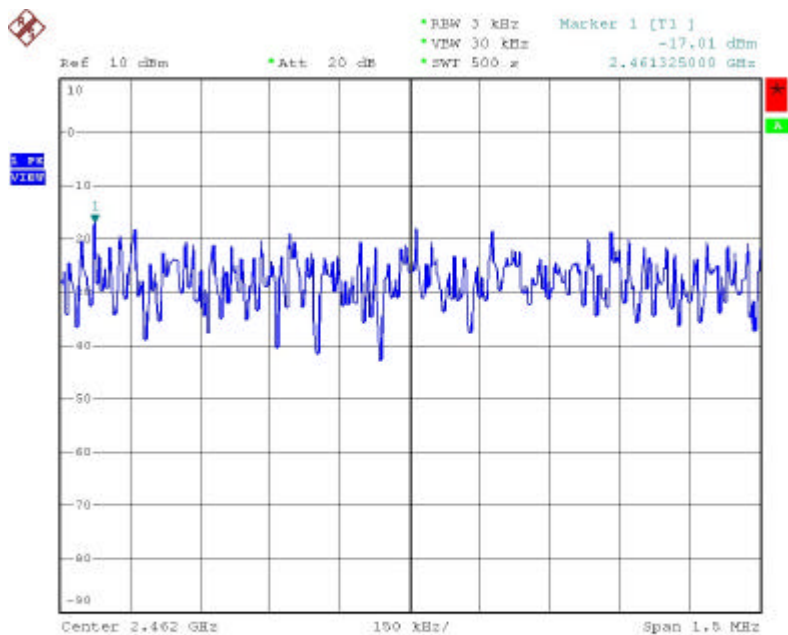
Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-13.81
06	2437	13.54
11	2462	14.31



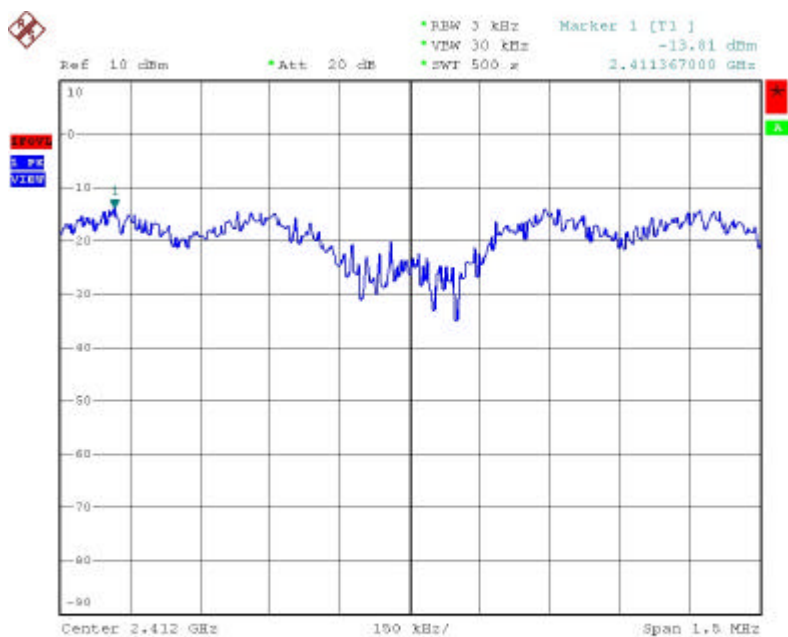
Date: 11.JAN.2005 13:45:00



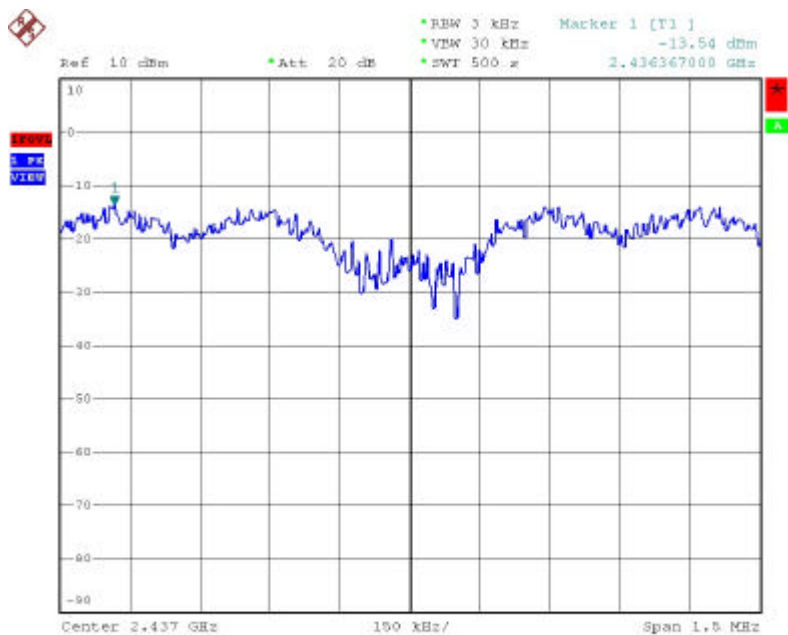
Date: 11.JAN.2005 13:57:02



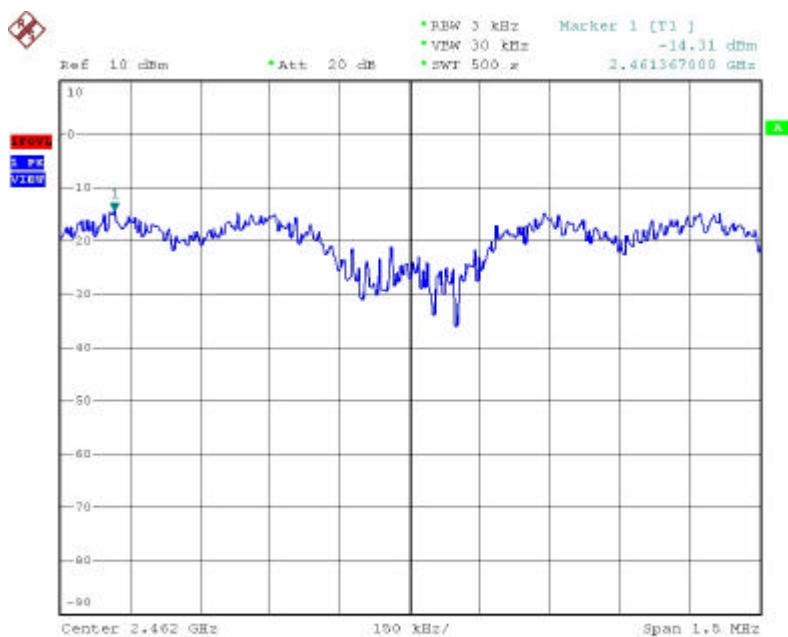
Date: 11.JAN.2005 14:07:00



Date: 11.JAN.2005 14:27:31



Date: 11.JAN.2005 14:38:34



Date: 11.JAN.2005 14:49:08

5. List of Measuring Equipment Used

No	Instrument/Ancillary	Type	Manufacturer	Serial No.	Valid Date.
1	BILOG ANTENNA	CBL6112B	SCHAFFNER	2840	2005/04/08
2	PREAMPLIFIER	RFP4002	SCHAFFNER	010	2005/11/03
3	RECEIVER	SCR3501	SCHAFFNER	437	2005/11/03
4	SIGNAL GENERATOR	8648B	HP	3629U00612	2006/02/08
5	AMPLIFIER	8447D	AGILENT	2443A04650	2006/02/14
6	AMPLIFIER	8447D	AGILENT	2944A10531	2005/06/30
7	SERIES POWER METER	E4416A	AGILENT	GB41292146	2005/10/11
8	POWER SENSOR	E9327A	AGILENT	US40441392	2005/10/11
9	DIPOLE ANTENNA	AD-100	COM-POWER	721011	2005/12/02
10	DIPOLE ANTENNA	AD-100	COM-POWER	721010	2005/12/02
11	SPECTRUM ANALYZER	FSP40	R&S	100047	2005/12/28
12	PREAMPLIFIER	8449B	AGILENT	3008A01954	2005/12/27
13	HORN ANTENNA	3115	EMCO	31601	2006/02/21
14	HORN ANTENNA	3115	EMCO	31589	2006/01/31
15	HORN ANTENNA	3116	EMCO	31970	2006/01/30
16	HORN ANTENNA	3116	EMCO	31974	2006/02/21
17	EMI RECEIVER	8546A	HP	3807A00454	2006/02/25
18	RF FILTER SECTION	85460A	HP	3704A00386	2006/02/25
19	SIGNAL GENERATOR	83640A	HP	2927A00107	2006/03/16
20	ATTENUATOR	8491B	AGILENT	50703	2006/03/07
21	ATTENUATOR	8491B	AGILENT	50705	2006/03/07
22	TEMPERATURE CHAMBER	TMJ-9712	T MACHINE	T-12-040111	2006/02/21
23	HIGH PASS FILTER	84300-80038	HP	002	N/A
24	HIGH PASS FILTER	84300-80038	HP	006	N/A
25	DC Power Supply	GPD-3030	GM	7020936	N/A
26	AC POWER CONVERTER	AFC-11005	APC	F103120008	N/A