

4.3. Test Result of Radiated emission

- Test mode 1: Adaptor Model: AD-121A

Emission frequencies below 1 GHz Channel HI

Test Date: Feb. 04, 2005 Temperature: 25 Humidity: 69% 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)
148.80	H	50.62	-16.93	33.69	43.5	-9.81	Peak	219	1.2
250.02	H	54.63	-13.69	40.94	46.0	-5.06	Q.P	233	1.2
300.00	H	53.76	-11.32	42.44	46.0	-3.56	Q.P	241	1.2
400.11	H	50.86	-9.13	41.73	46.0	-4.27	Q.P	238	1.2
500.01	H	46.92	-7.80	39.12	46.0	-5.88	Peak	240	1.2
600.02	H	44.69	-6.38	38.21	46.0	-7.69	Peak	235	1.2
900.02	H	41.21	-3.21	38.00	46.0	-8.00	Peak	242	1.2
200.02	V	53.14	-16.71	36.43	43.5	-7.07	Peak	232	1.1
250.06	V	56.02	-13.69	42.33	46.0	-3.67	Q.P	240	1.1
300.03	V	52.43	-11.32	41.11	46.0	-4.89	Q.P	235	1.1
400.01	V	50.90	-9.13	41.77	46.0	-4.23	Q.P	235	1.1
500.10	V	50.02	-7.80	42.22	46.0	-3.78	Q.P	238	1.1
600.00	V	44.23	-6.38	37.85	46.0	-8.15	Peak	236	1.1

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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: Feb. 04, 2005 Temperature: 25 Humidity: 69% 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)
4824.00	H	32.67	8.12	40.79	54	-13.21	Ave	172	1.0
4824.00	H	40.96	8.12	49.08	54	-2.49	Ave	172	1.0
7236.00	H	30.54	11.89	42.43	54	-11.57	Ave	179	1.0
7236.00	H	39.16	11.89	51.05	54	-22.95	Ave	179	1.0
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
4824.00	V	50.64	6.49	57.13	74	-16.87	Peak	167	1.1
4824.00	V	43.31	6.49	49.80	54	-4.20	Ave	167	1.1
7235.60	V	48.42	10.31	58.73	74	-15.27	Peak	176	1.1
7235.60	V	41.41	10.30	51.71	54	-2.29	Ave	176	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 and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 (54Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4824.20	H	30.56	8.12	38.68	54	-15.32	Ave	179	1.0
4824.20	H	41.75	8.12	49.81	54	-24.13	Ave	179	1.0
7235.80	H	39.42	11.89	51.31	54	-22.69	Ave	186	1.0
7235.80	H	29.64	11.89	41.53	54	-12.47	Ave	186	1.0
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
4824.40	V	51.64	6.49	58.13	74	-15.87	Peak	176	1.1
7235.60	V	49.72	10.30	60.02	74	-13.98	Peak	175	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 and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 low to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4874.20	H	49.14	8.32	57.46	74	-16.54	Peak	186	1.0
4874.20	H	39.67	8.32	47.99	54	-6.01	Ave	186	1.0
7309.60	H	45.09	12.05	57.14	74	-16.86	Peak	188	1.0
7309.60	H	35.11	12.05	47.16	54	-6.84	Ave	188	1.0
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
4874.30	V	52.78	6.63	59.41	74	-14.59	Peak	176	1.1
4874.30	V	42.88	6.65	49.53	54	-4.47	Ave	176	1.1
7307.79	V	50.43	10.40	60.83	74	-13.17	Peak	182	1.1
7307.79	V	40.67	10.39	51.06	54	-2.94	Ave	182	1.1
9748.00	V	---	13.66	---	54	---	Ave	---	---
12185.00	V	---	15.68	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 (54Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4874.00	H	45.69	8.32	54.01	74	-19.99	Peak	178	1.0
4874.00	H	35.84	8.32	43.96	54	-10.04	Ave	178	1.0
7309.50	H	40.76	12.05	52.81	74	-21.19	Peak	191	1.0
7309.50	H	31.08	12.05	43.13	54	-10.87	Ave	191	1.0
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
4874.00	V	55.38	6.65	62.03	74	-11.97	Peak	184	1.1
4874.00	V	44.73	6.65	51.38	54	-2.62	Ave	184	1.1
7307.40	V	50.94	10.39	61.33	74	-12.67	Peak	186	1.1
7307.40	V	40.77	10.40	51.17	54	-2.83	Ave	186	1.1
9748.00	V	---	13.66	---	54	---	Ave	---	---
12185.00	V	---	15.68	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4924.20	H	48.68	8.51	57.19	74	-16.81	Peak	195	1.0
4924.00	H	38.84	8.51	47.35	54	-6.65	Ave	195	1.0
7386.20	H	42.29	12.19	54.48	74	-19.52	Peak	184	1.0
7386.20	H	32.53	12.19	44.72	54	-9.28	Ave	184	1.0
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.79	---	54	---	Ave	---	---
4924.20	V	59.71	6.81	66.52	74	-7.48	Peak	184	1.1
4924.20	V	44.97	6.81	51.78	54	-2.22	Ave	184	1.1
7389.80	V	52.00	10.50	62.50	74	-11.50	Peak	179	1.1
7389.80	V	36.90	10.50	51.58	54	-2.42	Ave	179	1.1
9848.00	V	---	13.75	---	54	---	Ave	---	---
12310.00	V	---	15.44	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 (54Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4924.00	H	45.79	8.51	54.30	74	-19.70	Peak	185	1.0
4924.00	H	36.93	8.51	45.44	54	-8.56	Ave	185	1.0
7389.20	H	45.63	10.50	56.13	74	-17.87	Peak	179	1.0
7389.20	H	35.87	10.50	46.37	54	-7.63	Ave	179	1.0
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.79	---	54	---	Ave	---	---
4924.00	V	55.84	6.81	62.65	74	-11.35	Peak	186	1.1
4924.00	V	39.96	6.81	46.77	54	-7.23	Ave	186	1.1
7389.00	V	54.50	10.50	65.00	74	-9.00	Peak	180	1.1
7389.00	V	38.34	10.50	48.84	54	-5.16	Ave	180	1.1
9848.00	V	---	13.75	---	54	---	Ave	---	---
12310.00	V	---	15.44	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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.

- Test mode 2: Adaptor Model: DV-1280-3

Emission frequencies below 1 GHz Channel HI

Test Date: Feb. 04, 2005 Temperature: 25 Humidity: 69% 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)
250.01	H	56.12	-13.69	42.43	46.0	-3.57	Q.P	242	1.2
300.01	H	52.69	-11.32	41.37	46.0	-4.63	Q.P	239	1.2
400.10	H	51.62	-9.13	42.49	46.0	-3.51	Q.P	245	1.2
500.01	H	46.77	-7.80	38.97	46.0	-7.03	Peak	252	1.2
600.03	H	45.82	-6.38	39.44	46.0	-6.56	Peak	250	1.2
200.02	V	50.96	-16.71	34.25	43.5	-9.25	Peak	240	1.1
250.01	V	56.76	-13.69	43.07	46.0	-2.93	Q.P	238	1.1
300.00	V	53.11	-11.32	41.79	46.0	-4.21	Q.P	242	1.1
400.01	V	52.78	-9.13	43.65	46.0	-2.35	Q.P	235	1.1
500.02	V	48.79	-7.80	40.99	46.0	-5.01	Q.P	245	1.1
600.00	V	46.22	-6.38	39.84	46.0	-6.16	Peak	240	1.1

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 low to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Feb. 04, 2005 Temperature: 25 Humidity: 69% 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)
4824.00	H	40.58	8.12	48.70	54	-25.30	Ave	170	1.1
4824.00	H	32.17	8.12	40.29	54	-13.71	Ave	170	1.1
7236.00	H	36.97	11.89	48.86	54	-25.14	Ave	177	1.1
7236.00	H	30.04	11.89	41.93	54	-12.07	Ave	177	1.1
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
4824.00	V	50.49	6.49	56.98	74	-17.02	Peak	171	1.1
4824.00	V	42.81	6.49	49.30	54	-4.70	Ave	171	1.1
7235.60	V	47.03	10.31	57.34	74	-16.66	Peak	173	1.1
7235.60	V	40.91	10.30	51.21	54	-2.79	Ave	173	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 and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 low to be measured.

Modulation Standard: 802.11g (54Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4824.20	H	30.06	8.12	38.18	54	-15.82	Ave	180	1.1
4824.20	H	40.82	8.12	48.94	74	-25.06	Peak	180	1.1
7235.80	H	29.14	11.89	41.03	54	-12.97	Ave	185	1.1
7235.80	H	39.59	11.89	51.48	74	-22.52	Peak	185	1.1
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
4824.40	V	50.64	6.49	57.13	74	-16.87	Peak	174	1.2
4824.40	V	40.72	6.49	47.21	54	-6.79	Ave	174	1.2
7235.60	V	49.42	10.30	59.72	74	-14.28	Peak	176	1.2
7235.60	V	39.66	10.30	49.96	54	-4.04	Ave	176	1.2
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 and video bandwidth of test receiver/spectrum analyzer is 120KHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4874.30	H	48.64	8.32	56.96	74	-17.04	Peak	188	1.1
4874.30	H	38.52	8.32	46.84	54	-7.16	Ave	188	1.1
7309.60	H	44.59	12.05	56.64	74	-17.36	Peak	189	1.1
7309.60	H	34.65	12.05	46.70	54	-7.30	Ave	189	1.1
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
4874.30	V	51.58	6.63	58.21	74	-15.79	Peak	177	1.0
4874.30	V	41.72	6.65	48.37	54	-5.63	Ave	177	1.0
7307.79	V	49.42	10.40	59.82	74	-14.18	Peak	181	1.0
7307.79	V	39.47	10.39	49.86	54	-4.14	Ave	181	1.0
9748.00	V	---	13.66	---	54	---	Ave	---	---
12185.00	V	---	15.68	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
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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 (54Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4874.00	H	45.19	8.32	53.51	74	-20.49	Peak	177	1.1
4874.00	H	35.43	8.32	43.75	54	-10.25	Ave	177	1.1
7309.50	H	40.26	12.05	52.31	74	-21.69	Peak	190	1.1
7309.50	H	30.32	12.05	42.37	54	-11.63	Ave	190	1.1
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
4874.00	V	54.88	6.65	61.53	74	-12.47	Peak	183	1.2
4874.00	V	44.58	6.65	51.23	54	-2.77	Ave	183	1.2
7307.40	V	50.44	10.39	60.83	74	-13.17	Peak	187	1.2
7307.40	V	41.12	10.40	51.52	54	-2.48	Ave	187	1.2
9748.00	V	---	13.66	---	54	---	Ave	---	---
12185.00	V	---	15.68	---	54	---	Ave	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
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6. The other emissions is too below to be measured.

Modulation Standard: 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4924.20	H	48.18	8.51	56.69	74	-17.31	Peak	193	1.1
4924.20	H	38.54	8.51	47.05	54	-6.95	Ave	193	1.1
7386.20	H	41.79	12.19	53.98	74	-20.02	Peak	185	1.1
7386.20	H	32.35	12.19	44.54	54	-9.46	Ave	185	1.1
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.79	---	54	---	Ave	---	---
4924.20	V	59.21	6.81	66.02	74	-7.98	Peak	185	1.0
4924.20	V	44.49	6.81	51.30	54	-2.70	Ave	185	1.0
7389.80	V	51.50	10.50	62.00	74	-12.00	Peak	180	1.0
7389.80	V	42.13	10.50	52.63	54	-1.37	Ave	180	1.0
9848.00	V	---	13.75	---	54	---	Ave	---	---
12310.00	V	---	15.44	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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 (54Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% 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)
4924.00	H	45.29	8.51	53.80	74	-20.20	Peak	186	1.1
4924.00	H	36.44	8.51	44.95	54	-9.05	Ave	186	1.1
7389.20	H	45.13	10.50	55.63	74	-18.37	Peak	180	1.1
7389.20	H	36.37	10.50	46.87	54	-7.13	Ave	180	1.1
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.79	---	54	---	Ave	---	---
4924.00	V	55.34	6.81	62.15	74	-11.85	Peak	184	1.0
4924.00	V	44.68	6.81	51.49	54	-2.51	Ave	184	1.0
7389.00	V	54.00	10.50	64.50	74	-9.50	Peak	179	1.0
7389.00	V	40.75	10.50	51.25	54	-2.75	Ave	179	1.0
9848.00	V	---	13.75	---	54	---	Ave	---	---
12310.00	V	---	15.44	---	54	---	Ave	---	---

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 and Quasi-peak detection at frequency below 1GHz.
- 4 The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz 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

FRONT VIEW



REAR VIEW



4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b

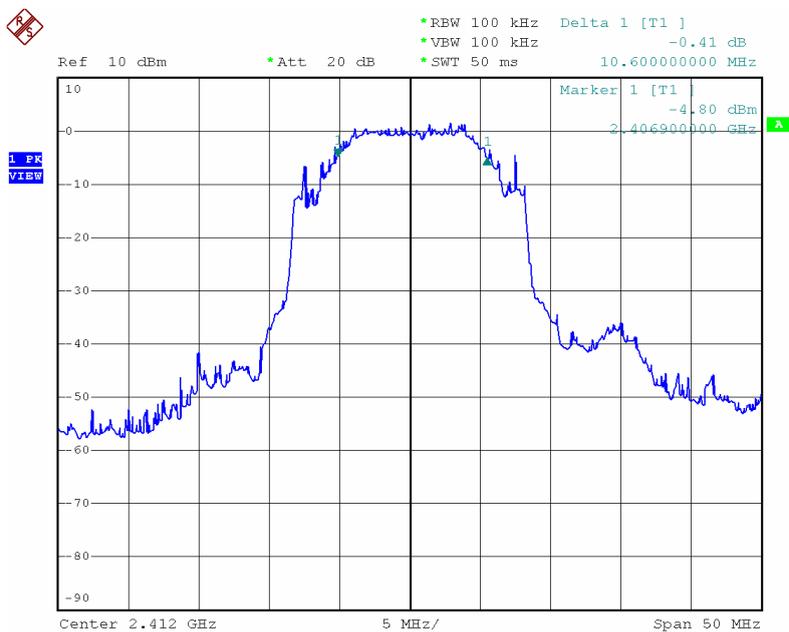
Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	10.6
06	2437	10.8
11	2462	10.8

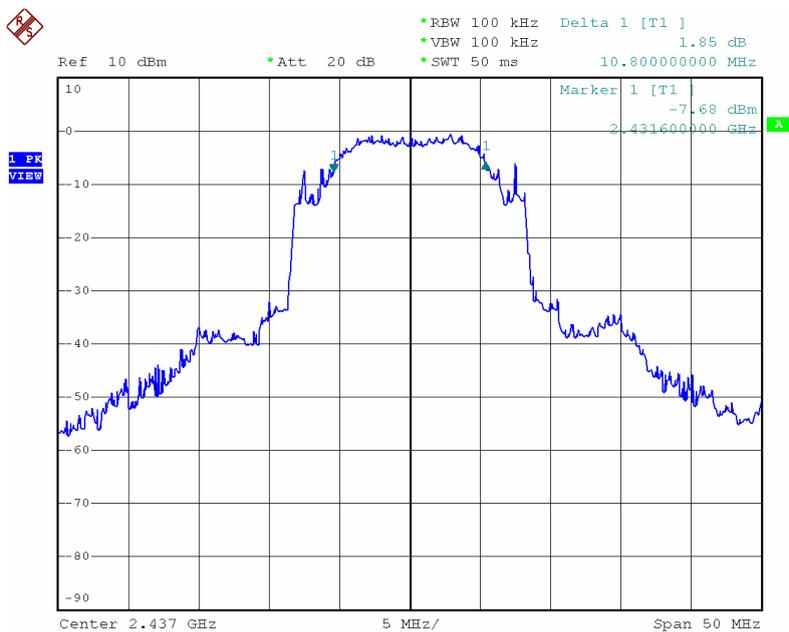
(2) Modulation Standard: IEEE 802.11g

Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

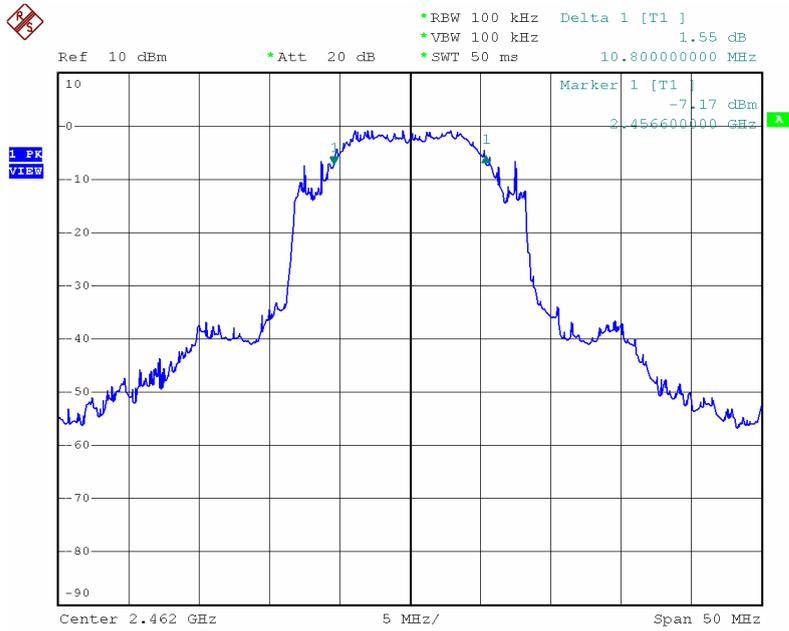
Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	10.1
06	2437	10.1
11	2462	10.1



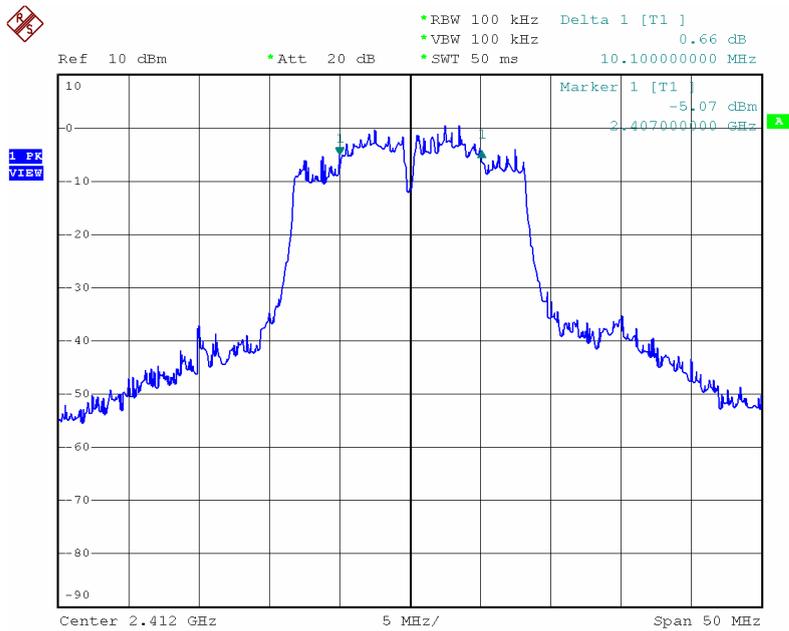
Date: 3.FEB.2005 11:59:54



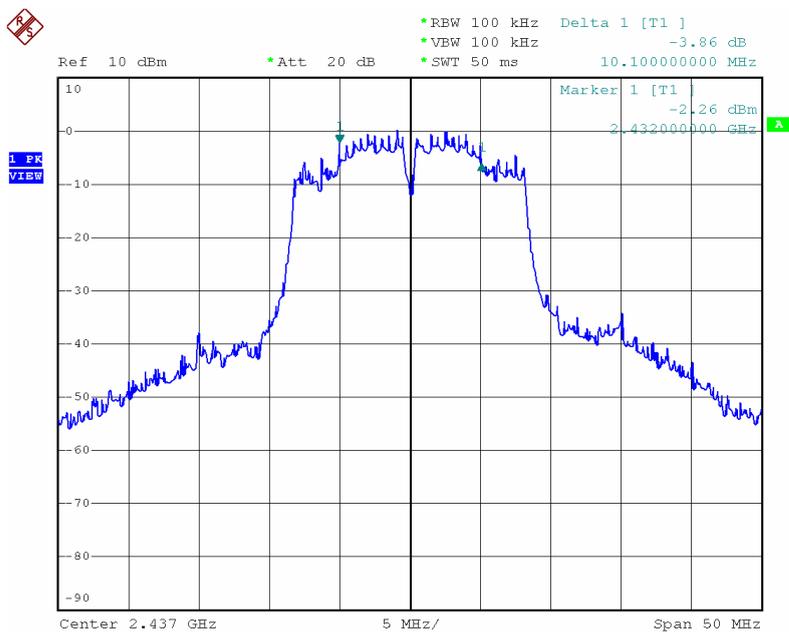
Date: 3.FEB.2005 12:17:26



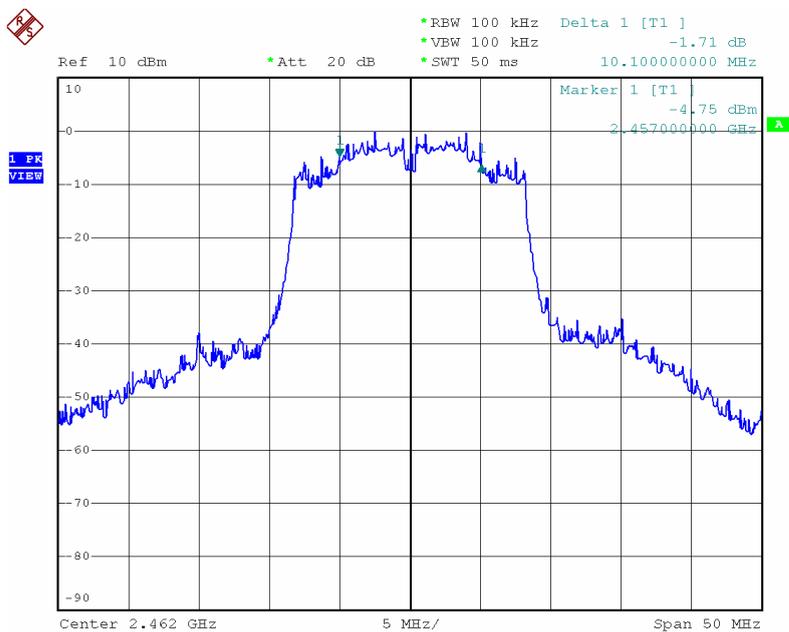
Date: 3.FEB.2005 12:52:21



Date: 3.FEB.2005 14:58:09



Date: 3.FEB.2005 15:26:00



Date: 3.FEB.2005 15:52:27

4.5. Peak Output Power Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

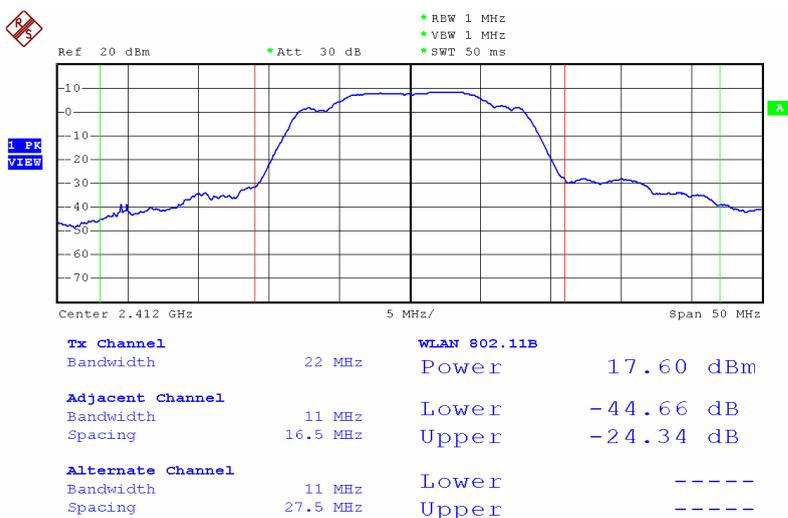
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	17.60	57.544
06	2437	17.04	50.582
11	2462	17.14	51.761

(2) Modulation Standard: IEEE 802.11g

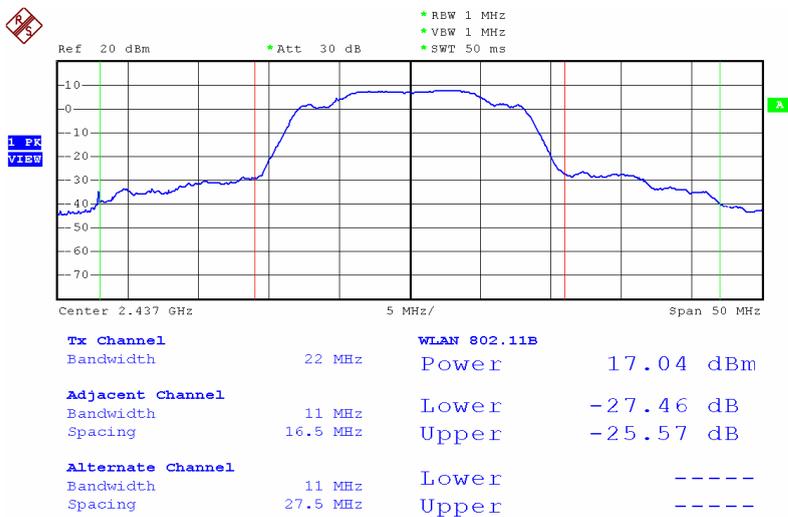
Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	16.35	43.152
06	2437	16.25	42.170
11	2462	16.12	40.926

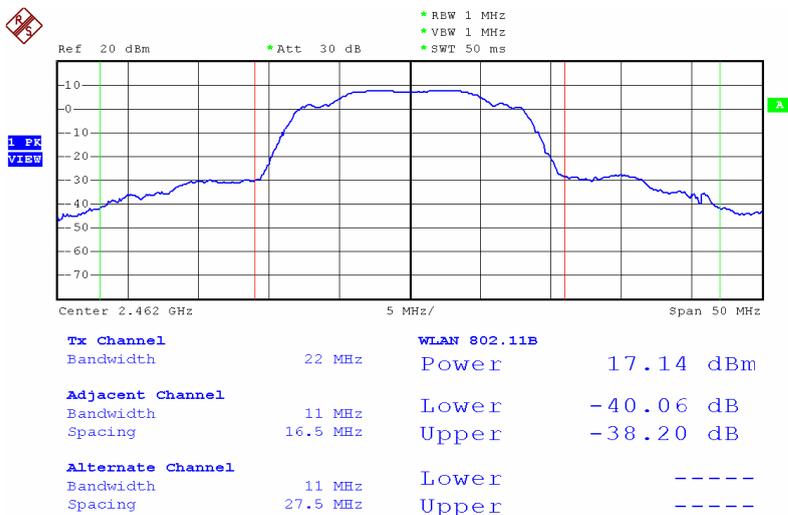
Note: Conducted Power = Reading Value + Cable Loss



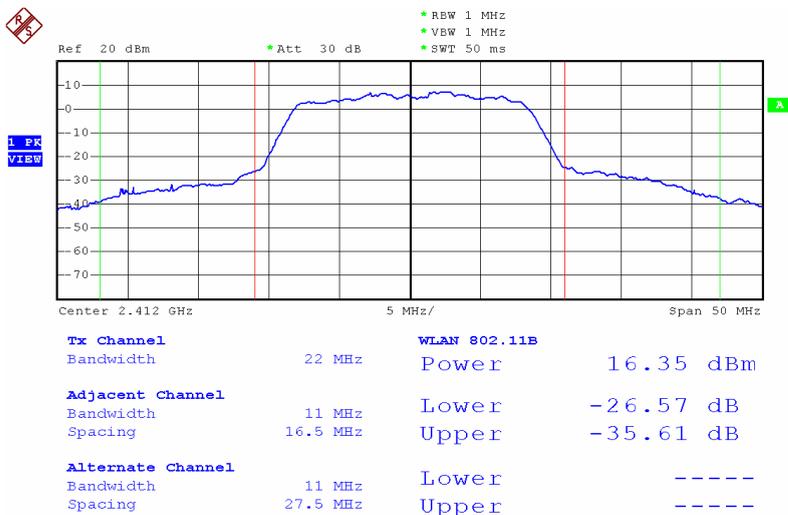
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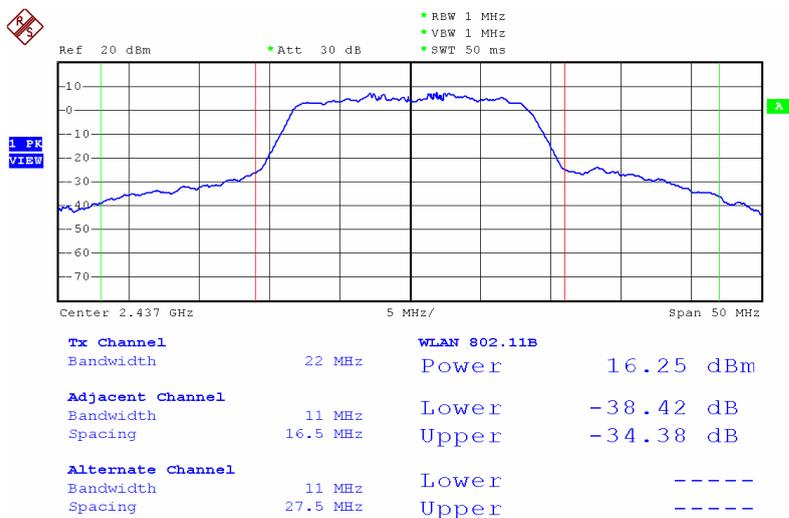
Date: 3.FEB.2005 12:15:26



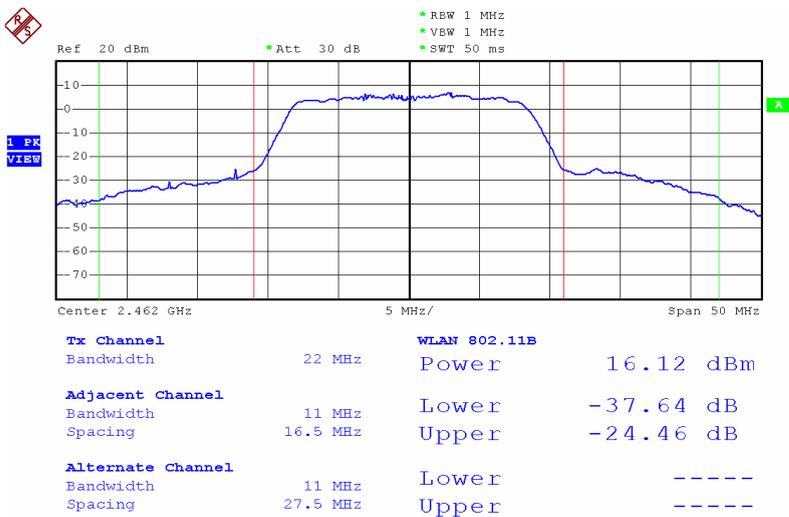
Date: 3.FEB.2005 12:50:07



Date: 3.FEB.2005 14:54:16



Date: 3.FEB.2005 15:22:04



Date: 3.FEB.2005 15:50:12

4.6. Band Edges Measurement Data

(1) Modulation Standard: IEEE 802.11b

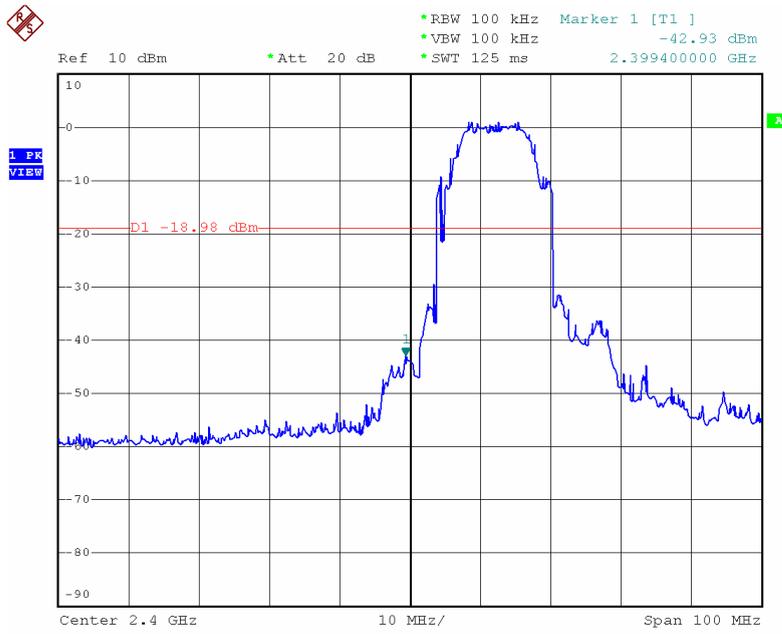
Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2399.4	-42.93
11	2462	4885.0	-42.64

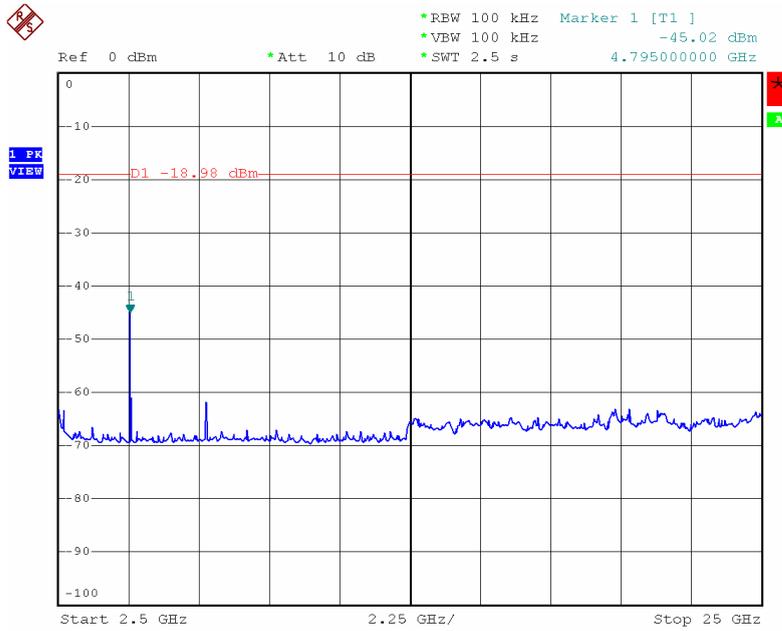
(2) Modulation Standard: IEEE 802.11g

Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

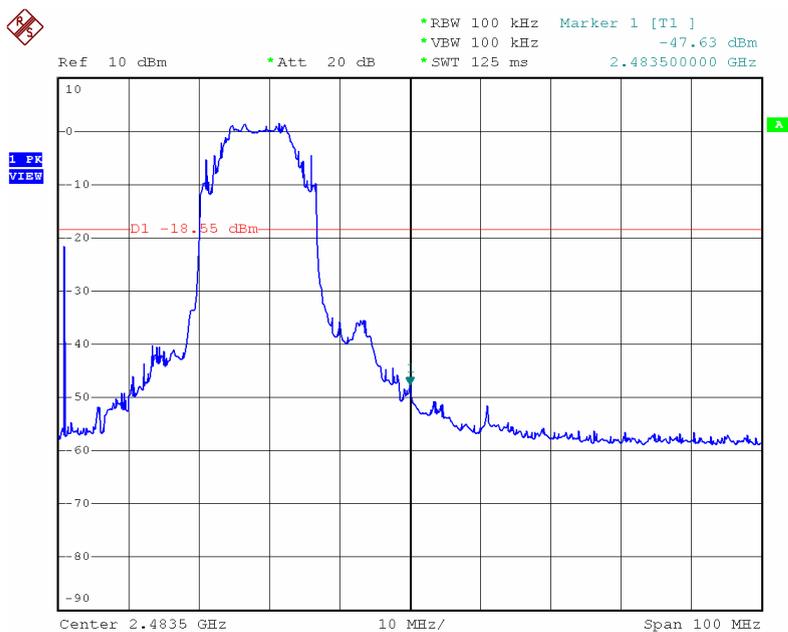
Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2397.0	-38.44
11	2462	2483.5	-49.16



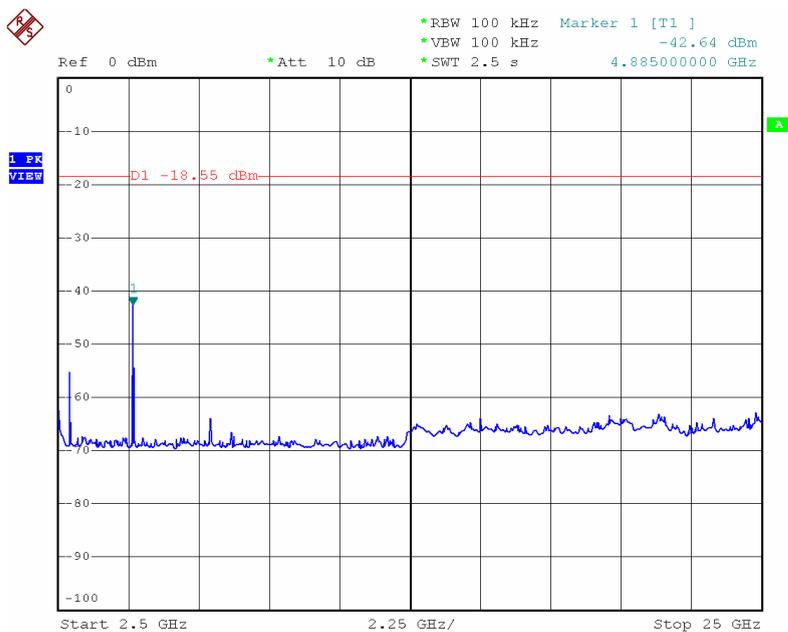
Date: 3.FEB.2005 12:03:44



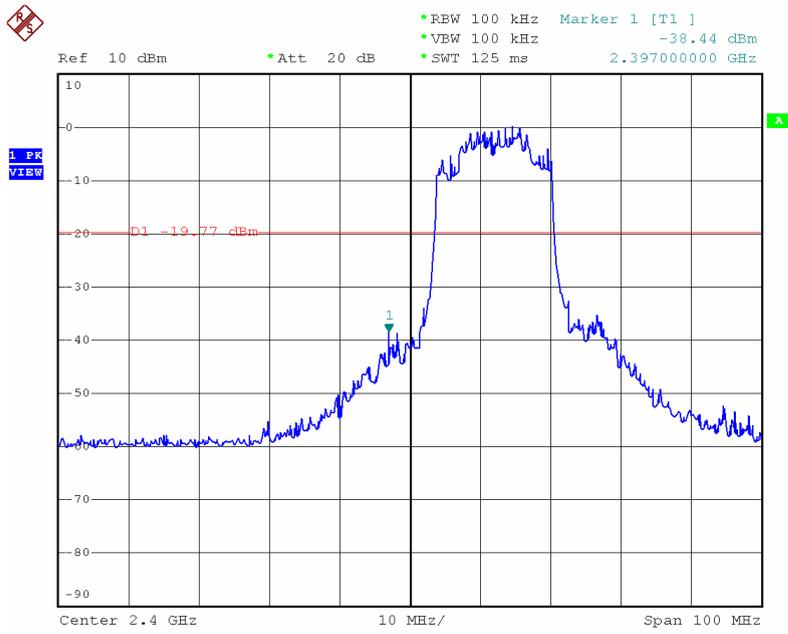
Date: 3.FEB.2005 12:04:56



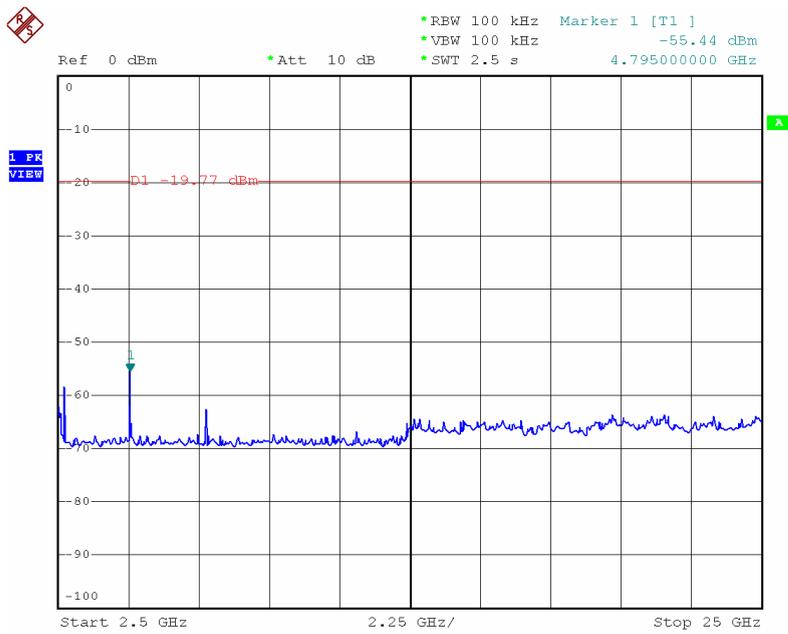
Date: 3.FEB.2005 12:56:57



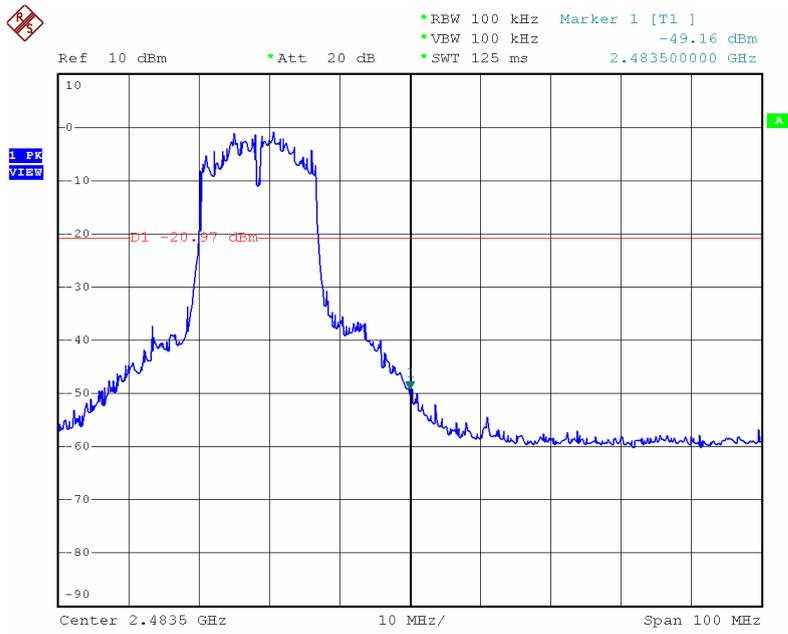
Date: 3.FEB.2005 12:58:03



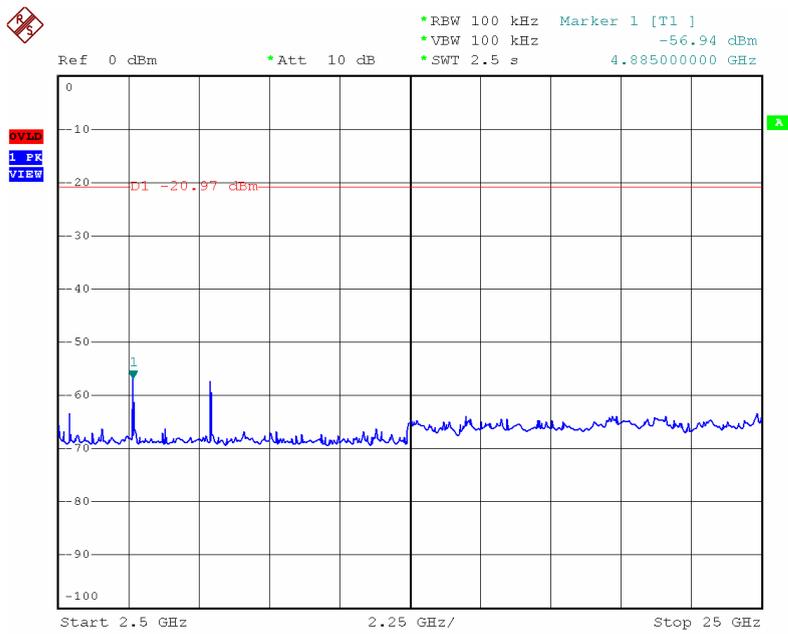
Date: 3.FEB.2005 15:02:40



Date: 3.FEB.2005 15:04:11



Date: 3.FEB.2005 16:00:09



Date: 3.FEB.2005 16:01:44

4.7. Restrict band emission Measurement Data

• Test mode 1: Adaptor Model: AD-121A

Modulation Standard: 802.11b (11Mbps)

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% Atmospheric pressure: 1029mmHg

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.			
2389.764	H	48.67	-0.59	48.08	Peak	74	54	25.92	188	1.2
2389.764	H	39.72	-0.59	39.13	Ave.	74	54	-14.87	188	1.2
2388.744	V	59.71	-1.29	58.42	Peak	74	54	-15.58	191	1.1
2389.764	V	48.66	-1.29	47.37	Ave.	74	54	-6.63	191	1.1

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.			
2483.584	H	55.67	-0.27	55.40	Peak	74	54	-18.60	179	1.2
2483.584	H	44.78	-0.27	44.51	Ave.	74	54	-9.49	179	1.2
2484.040	V	62.45	-0.96	61.49	Peak	74	54	-12.51	186	1.1
2483.584	V	50.36	-0.97	49.39	Ave.	74	54	-4.61	186	1.1

Modulation Standard: 802.11g (54Mbps)

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% Atmospheric pressure: 1029mmHg

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.			
2389.764	H	57.24	-0.59	56.65	Peak	74	54	-17.35	192	1.2
2389.764	H	47.98	-0.59	47.39	Ave.	74	54	-6.61	192	1.2
2389.764	V	62.38	-1.29	61.09	Peak	74	54	-12.91	184	1.1
2389.764	V	50.58	-1.29	49.29	Ave.	74	54	-4.71	184	1.1

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.			
2483.660	H	56.96	-0.27	56.69	Peak	74	54	-17.31	189	1.2
2483.660	H	45.33	-0.27	45.06	Ave.	74	54	-8.94	189	1.2
2483.660	V	62.47	-0.97	61.77	Peak	74	54	-12.13	182	1.1
2483.660	V	50.58	-0.97	49.61	Ave.	74	54	-4.39	182	1.1

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-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.

• Test mode 2: Adaptor Model: DV-1280-3

Modulation Standard: 802.11b (11Mbps)

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% Atmospheric pressure: 1029mmHg

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.			
2389.764	H	48.17	-0.59	47.58	Peak	74	54	26.42	187	1.1
2389.764	H	39.24	-0.59	38.65	Ave.	74	54	-15.35	187	1.1
2389.764	V	59.21	-1.29	57.92	Peak	74	54	-16.08	190	1.0
2389.764	V	47.48	-1.29	49.19	Ave.	74	54	-7.81	190	1.0

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.			
2483.584	H	55.19	-0.27	54.92	Peak	74	54	-19.08	178	1.1
2483.584	H	44.61	-0.27	44.34	Ave.	74	54	-9.66	178	1.1
2483.584	V	62.17	-0.96	61.21	Peak	74	54	-12.79	185	1.0
2483.584	V	49.28	-0.97	48.31	Ave.	74	54	-5.69	185	1.0

Modulation Standard: 802.11g (54Mbps)

Test Date: Feb. 05, 2005 Temperature: 25 Humidity: 69% Atmospheric pressure: 1029mmHg

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.			
2389.764	H	56.68	-0.59	56.09	Peak	74	54	-17.91	191	1.1
2389.764	H	46.83	-0.59	46.24	Ave.	74	54	-7.76	191	1.1
2389.764	V	64.17	-1.29	62.88	Peak	74	54	-11.12	183	1.0
2389.764	V	52.63	-1.29	51.34	Ave.	74	54	-2.66	183	1.0

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.			
2483.660	H	56.41	-0.27	56.14	Peak	74	54	-17.86	188	1.1
2483.660	H	45.77	-0.27	45.50	Ave.	74	54	-8.50	188	1.1
2483.660	V	62.54	-0.97	61.57	Peak	74	54	-12.43	181	1.0
2483.660	V	50.69	-0.97	49.72	Ave.	74	54	-4.28	181	1.0

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection and Quasi-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

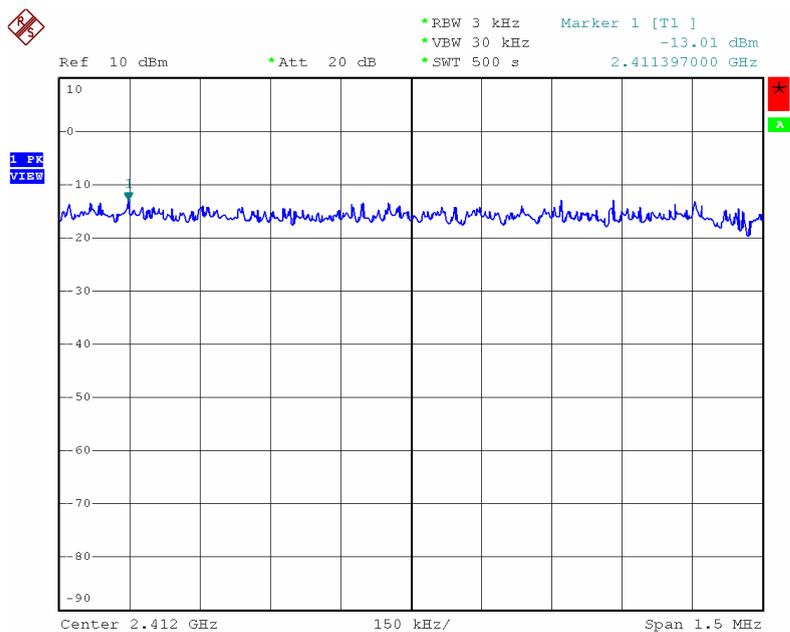
Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-13.01
06	2437	-12.56
11	2462	-12.23

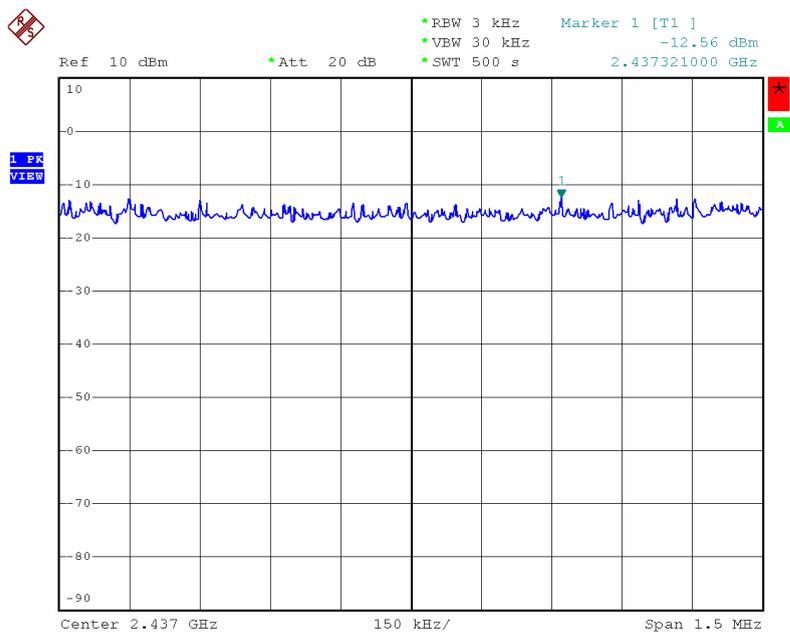
(2) Modulation Standard: IEEE 802.11g

Test Date: Feb. 03, 2005 Temperature: 23 Humidity: 62% Atmospheric pressure: 1031mmHg

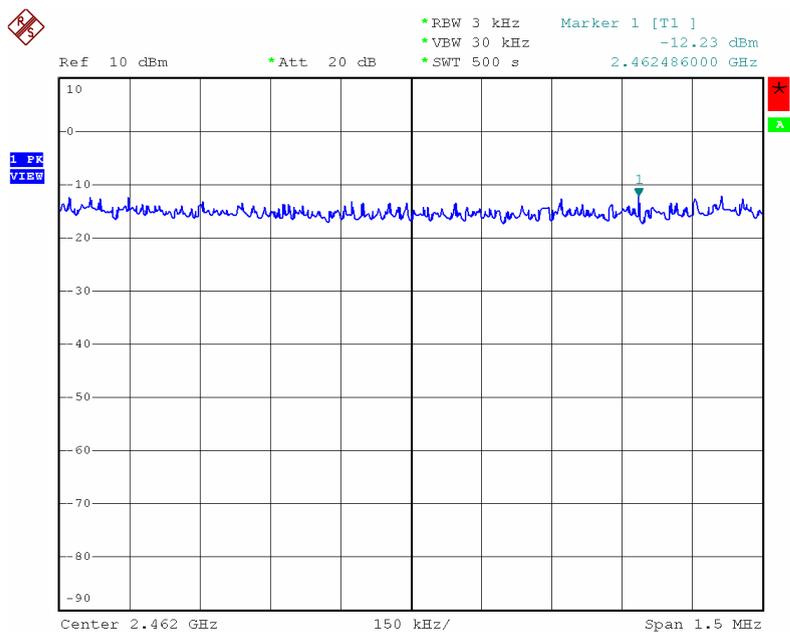
Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-13.76
06	2437	-13.49
11	2462	-12.87



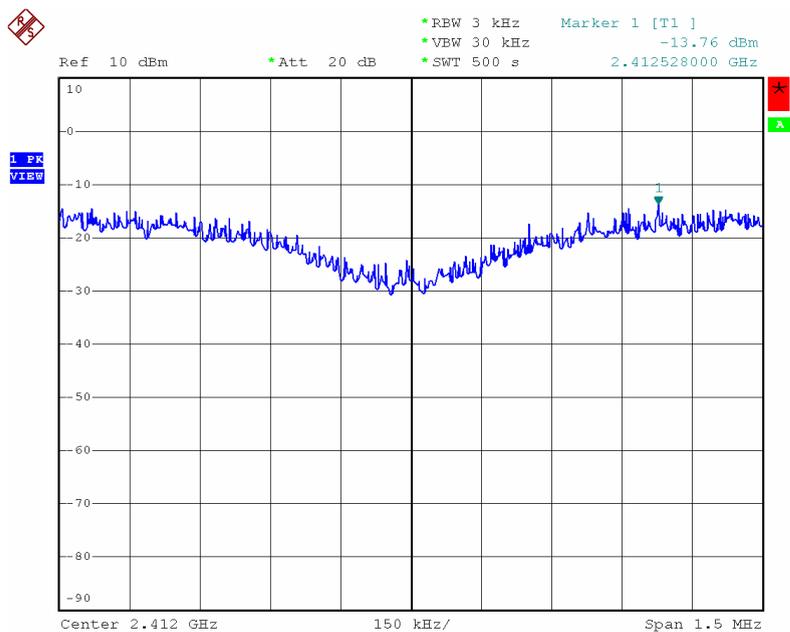
Date: 3.FEB.2005 18:54:44



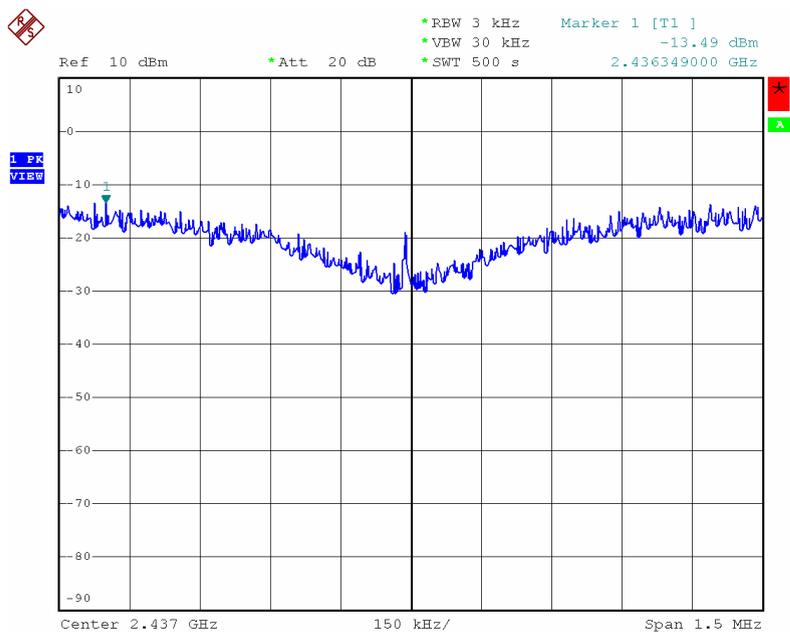
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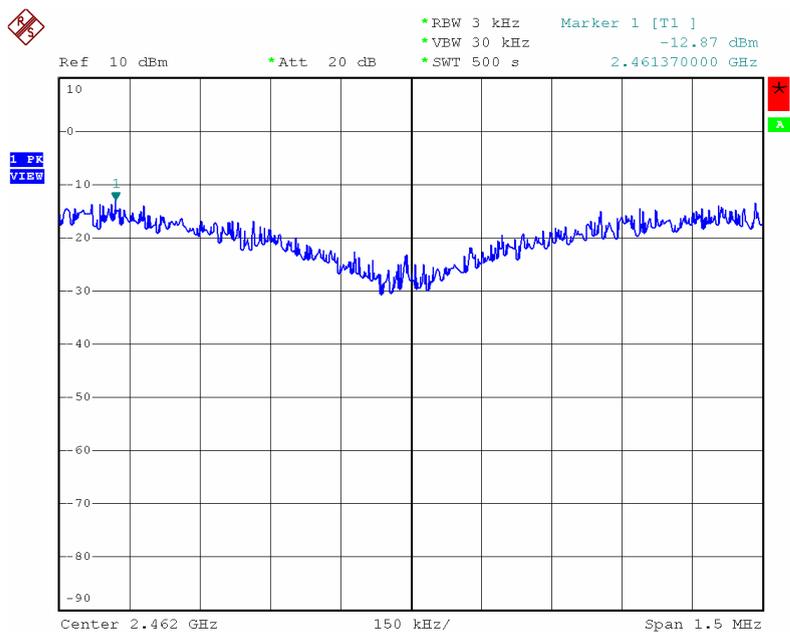
Date: 3.FEB.2005 19:21:40



Date: 3.FEB.2005 19:50:37



Date: 3.FEB.2005 20:23:19



Date: 3.FEB.2005 20:35:26

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	2006/01/13
14	HORN ANTENNA	3115	EMCO	31589	2006/01/14
15	HORN ANTENNA	3116	EMCO	31970	2006/01/29
16	HORN ANTENNA	3116	EMCO	31974	2006/01/29
17	EMI RECEIVER	8546A	HP	3807A00454	2005/02/12
18	RF FILTER SECTION	85460A	HP	3704A00386	2005/02/12
19	SIGNAL GENERATOR	83640A	HP	2927A00107	2006/03/16
20	ATTENUATOR	8491B	AGILENT	50703	2005/12/27
21	ATTENUATOR	8491B	AGILENT	50705	2005/12/27
22	TEMPERATURE CHAMBER	TMJ-9712	T MACHINE	T-12-040111	2005/03/05
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