

4.3. Test Result of Radiated emission

Emission frequencies below 1 GHz Channel HI

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
148.12	H	54.99	-16.84	38.15	43.5	-5.35	Q.P	217	1.2
151.55	H	53.29	-17.17	36.12	43.5	-7.38	Peak	195	1.2
250.05	H	54.16	-13.69	40.47	46.0	-5.53	Q.P	110	1.1
375.04	H	52.68	-10.10	42.58	46.0	-3.42	Q.P	215	1.2
400.03	H	49.12	-9.13	39.99	46.0	-6.01	Peak	100	1.1
933.33	H	46.74	-2.40	44.34	46.0	-1.66	Q.P	240	1.1
148.12	V	53.57	-16.84	36.73	43.5	-6.77	Peak	142	1.2
152.18	V	53.11	-17.19	35.92	43.5	-7.58	Peak	199	1.2
200.00	V	53.76	-16.71	37.05	43.5	-6.45	Peak	105	1.1
250.02	V	57.42	-13.69	43.73	46.0	-2.27	Q.P	108	1.1
325.00	V	51.27	-11.03	40.24	46.0	-5.76	Q.P	112	1.1
375.04	V	53.24	-10.10	43.14	46.0	-2.86	Q.P	212	1.2
400.00	V	51.21	-9.13	42.08	46.0	-3.92	Q.P	102	1.1
499.99	V	50.19	-7.80	42.39	46.0	-3.61	Q.P	105	1.1
933.34	V	42.49	-2.40	40.09	46.0	-5.91	Peak	272	1.2

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 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel LO

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	61.00	-5.14	55.86	74	-18.14	Peak	165	1.2
1195.00	H	50.92	-5.14	45.78	54	-8.22	Ave	165	1.2
4824.00	H	---	8.12	---	54	---	Ave	---	---
7236.00	H	---	11.89	---	54	---	Ave	---	---
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
1195.00	V	66.46	-5.64	60.82	74	-13.18	Peak	163	1.1
1195.00	V	56.85	-5.64	51.21	54	-2.79	Ave	163	1.1
1429.00	V	62.95	-4.00	58.95	74	-15.05	Peak	172	1.1
1429.00	V	55.42	-4.00	51.42	54	-2.58	Ave	172	1.1
2687.00	V	57.48	1.57	59.05	74	-14.95	Peak	187	1.1
2687.00	V	49.18	4.57	50.75	54	-3.25	Ave	187	1.1
4824.00	V	53.57	7.36	60.93	74	-13.07	Peak	189	1.1
4824.00	V	44.02	7.33	51.38	54	-2.62	Ave	189	1.1
7236.00	V	---	11.05	---	54	---	Ave	---	---
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: IEEE 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	60.98	-5.14	55.84	74	-18.16	Peak	162	1.2
1195.00	H	49.84	-5.14	44.70	54	-9.30	Ave	162	1.2
4874.00	H	---	8.32	---	54	---	Ave	---	---
7311.00	H	---	12.05	---	54	---	Ave	---	---
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
1071.50	V	62.91	-6.51	56.40	74	-17.60	Peak	145	1.1
1071.50	V	50.04	-6.51	43.53	54	-10.47	Ave	145	1.1
1195.00	V	64.00	-5.64	58.35	74	-15.65	Peak	151	1.1
1195.00	V	54.88	-5.64	49.24	54	-4.76	Ave	151	1.1
1435.00	V	61.82	-3.95	57.86	74	-16.14	Peak	181	1.1
1435.00	V	54.90	-3.95	50.95	54	-3.05	Ave	181	1.1
2688.00	V	56.21	1.57	57.78	74	-16.22	Peak	172	1.1
2688.00	V	46.34	1.57	47.91	54	-6.09	Ave	172	1.1
4874.00	V	49.11	7.52	56.63	74	-17.37	Peak	181	1.1
4874.00	V	40.98	7.54	48.52	54	-5.48	Ave	181	1.1
7211.00	V	---	11.14	---	54	---	Ave	---	---
9648.00	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 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 802.11b (11Mbps)

Emission frequencies above 1 GHz Channel HI

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	60.49	-5.14	55.35	74	-18.65	Peak	163	1.2
1195.00	H	50.64	-5.14	45.50	54	-8.50	Ave	163	1.2
4924.00	H	---	8.51	---	54	---	Ave	---	---
7386.00	H	---	12.19	---	54	---	Ave	---	---
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.79	---	54	---	Ave	---	---
1195.00	V	63.99	-5.64	58.35	74	-15.65	Peak	156	1.1
1195.00	V	57.24	-5.64	51.60	54	-2.40	Ave	156	1.1
1429.00	V	62.38	-4.00	58.38	74	-15.62	Peak	174	1.1
1429.00	V	55.59	-4.00	51.59	54	-2.41	Ave	174	1.1
2007.50	V	52.18	-0.77	51.40	74	-22.60	Peak	185	1.1
2007.50	V	46.65	-0.77	45.88	54	-8.12	Ave	185	1.1
2683.50	V	55.59	1.55	57.14	74	-16.86	Peak	187	1.1
2683.50	V	50.02	1.55	51.57	54	-2.43	Ave	187	1.1
4924.00	V	---	7.71	---	54	---	Ave	---	---
7386.00	V	---	10.50	---	54	---	Ave	---	---
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 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 LO

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	60.84	-5.14	55.70	74	-18.30	Peak	172	1.2
1195.00	H	50.79	-5.14	45.65	54	-8.35	Ave	172	1.2
4924.00	H	---	8.12	---	54	---	Ave	---	---
7236.00	H	---	11.89	---	54	---	Ave	---	---
9648.00	H	---	14.64	---	54	---	Ave	---	---
12060.00	H	---	15.84	---	54	---	Ave	---	---
1195.00	V	66.79	-5.64	61.15	74	-12.85	Peak	167	1.1
1195.00	V	55.23	-5.64	49.54	54	-4.41	Ave	167	1.1
1429.00	V	62.26	-4.00	58.26	74	-15.74	Peak	175	1.1
1429.00	V	52.45	-4.00	48.45	54	-5.55	Ave	175	1.1
2683.50	V	55.36	1.55	56.91	74	-17.09	Peak	186	1.1
2683.50	V	44.87	1.55	46.42	54	-7.58	Ave	186	1.1
4824.50	V	51.79	7.33	59.12	74	-14.88	Peak	186	1.1
4824.50	V	41.62	7.33	48.95	54	-5.05	Ave	186	1.1
7236.50	V	51.11	11.05	62.16	74	-11.84	Peak	179	1.1
7236.50	V	40.98	1.05	52.03	54	-1.97	Ave	179	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: IEEE 802.11g (6Mbps)

Emission frequencies above 1 GHz Channel MID

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	60.49	-5.14	55.35	74	-18.65	Peak	165	1.2
1195.00	H	50.11	-5.14	44.97	54	-9.07	Ave	165	1.2
4974.00	H	---	8.32	---	54	---	Ave	---	---
7311.00	H	---	12.05	---	54	---	Ave	---	---
9748.00	H	---	14.71	---	54	---	Ave	---	---
12185.00	H	---	15.82	---	54	---	Ave	---	---
1195.00	V	63.74	-5.64	58.10	74	-15.90	Peak	154	1.1
1195.00	V	52.82	-5.64	47.18	54	-6.82	Ave	154	1.1
1429.00	V	62.52	-4.00	58.52	74	-15.48	Peak	179	1.1
1429.00	V	52.19	-4.00	48.19	54	-5.81	Ave	179	1.1
2683.50	V	55.87	1.55	54.32	74	-19.68	Peak	174	1.1
2683.50	V	46.04	1.55	47.59	54	-6.41	Ave	174	1.1
4874.50	V	50.31	7.52	57.83	74	-16.17	Peak	184	1.1
4874.50	V	42.19	7.52	49.71	54	-4.29	Ave	184	1.1
7311.50	V	49.61	11.14	60.75	74	-13.25	Peak	189	1.1
7311.50	V	40.04	11.14	51.18	54	-2.84	Ave	189	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 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: Feb. 17, 2005 Temperature: 23 Humidity: 69% Atmospheric pressure: 1028mmHg

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)
1195.00	H	60.76	-5.14	55.62	74	-18.38	Peak	166	1.2
1195.00	H	50.19	-5.14	45.05	54	-8.95	Ave	166	1.2
4924.00	H	---	8.51	---	54	---	Ave	---	---
7386.00	H	---	12.19	---	54	---	Ave	---	---
9848.00	H	---	14.78	---	54	---	Ave	---	---
12310.00	H	---	15.78	---	54	---	Ave	---	---
1195.00	V	64.45	-5.64	58.81	74	-15.19	Peak	152	1.1
1195.00	V	57.71	-5.64	52.07	54	-1.93	Ave	152	1.1
1429.00	V	62.60	-4.00	58.60	74	-15.40	Peak	176	1.1
1429.00	V	55.84	-4.00	51.84	54	-2.16	Ave	176	1.1
2683.50	V	55.69	1.55	54.14	74	-19.86	Peak	191	1.1
2683.50	V	50.13	1.55	48.58	54	-5.42	Ave	191	1.1
4924.50	V	49.52	7.71	57.23	74	-16.77	Peak	181	1.1
4924.50	V	40.16	7.71	47.87	54	-6.13	Ave	181	1.1
7386.50	V	---	10.50	---	54	---	Ave	---	---
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 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

FRONT VIEW



REAR VIEW



4.4. 6dB Bandwidth Measurement Data

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

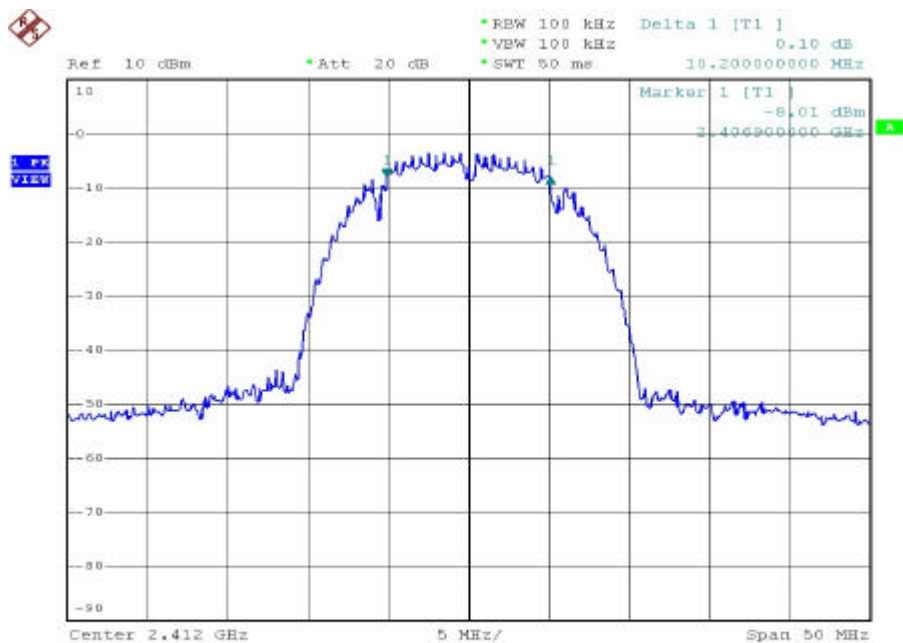
Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	10.2
06	2437	10.2
11	2462	10.2

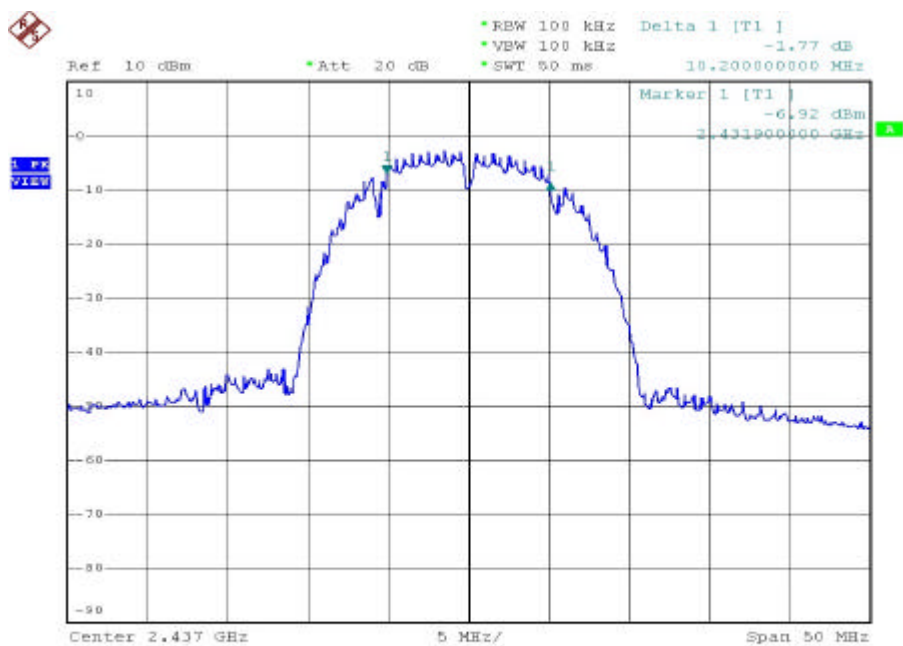
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

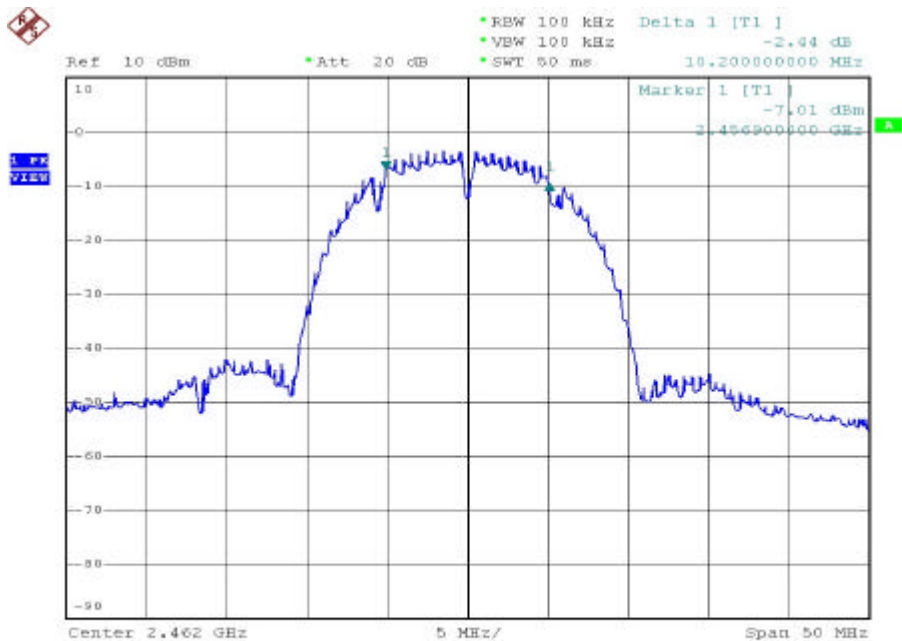
Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.1
06	2437	16.1
11	2462	16.1



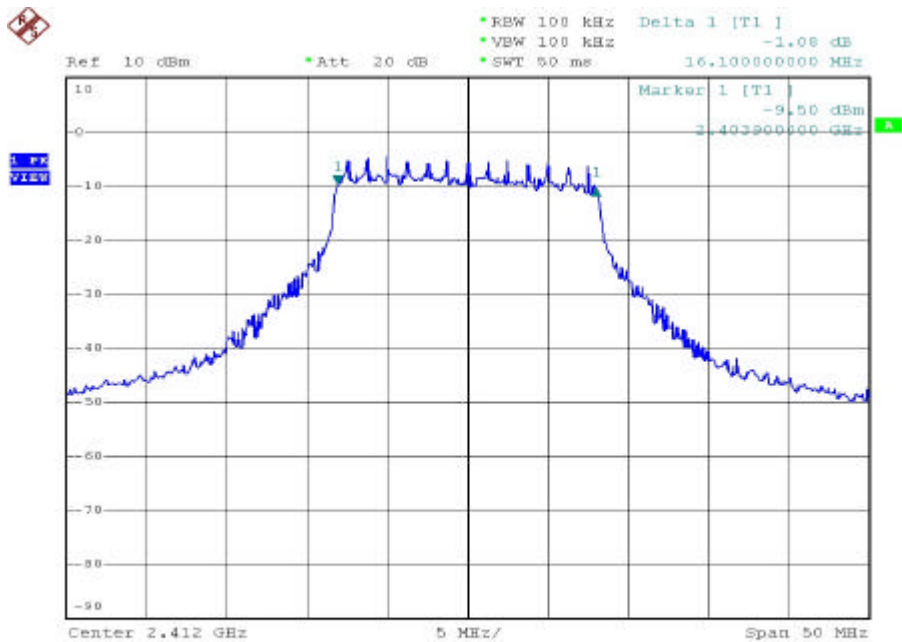
Date: 15.FEB.2005 10:17:28



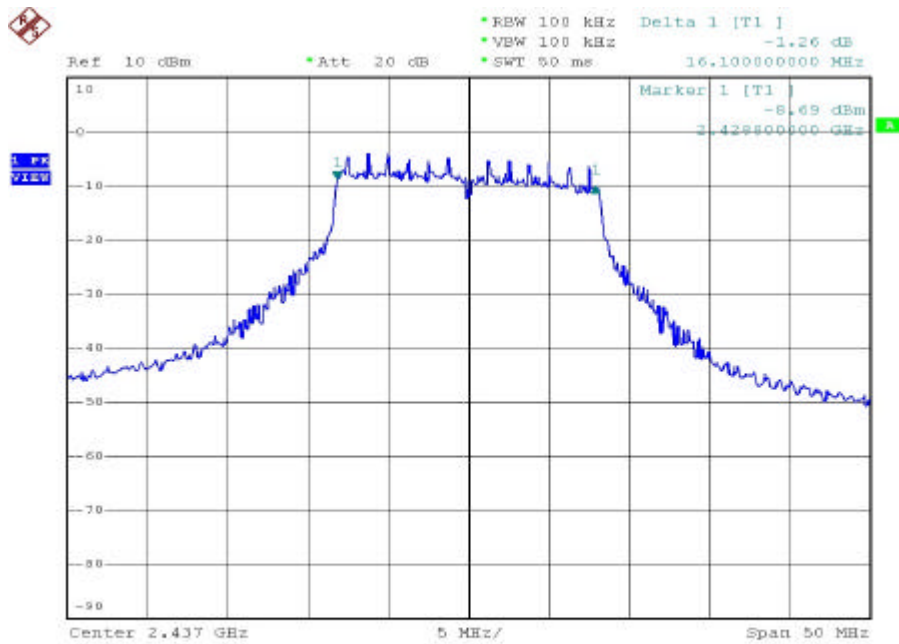
Date: 15.FEB.2005 10:19:30



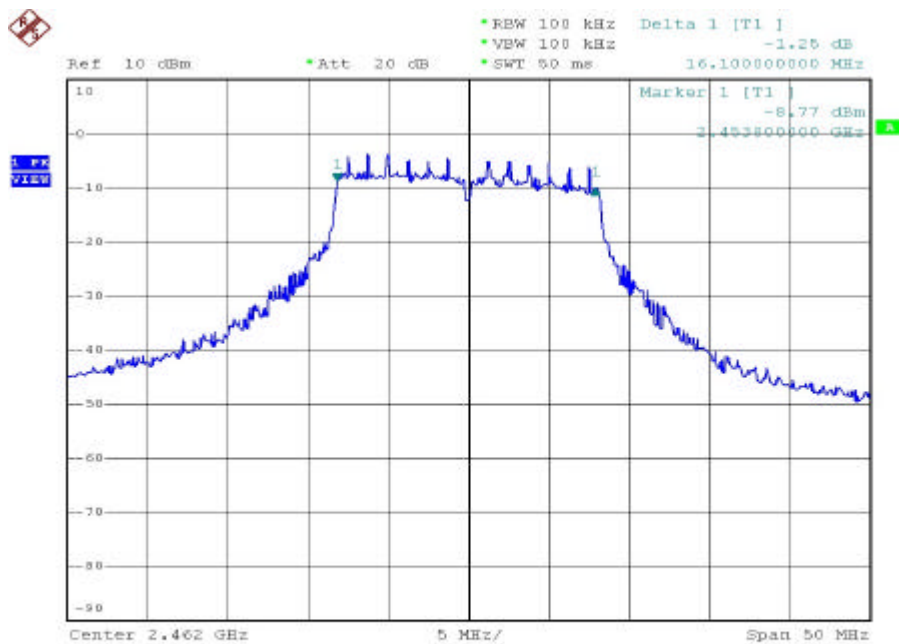
Date: 15.FEB.2005 10:21:33



Date: 15.FEB.2005 10:11:27



Date: 15.FEB.2005 10:13:34



Date: 15.FEB.2005 10:15:08

4.5. Peak Output Power Measurement Data

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

Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

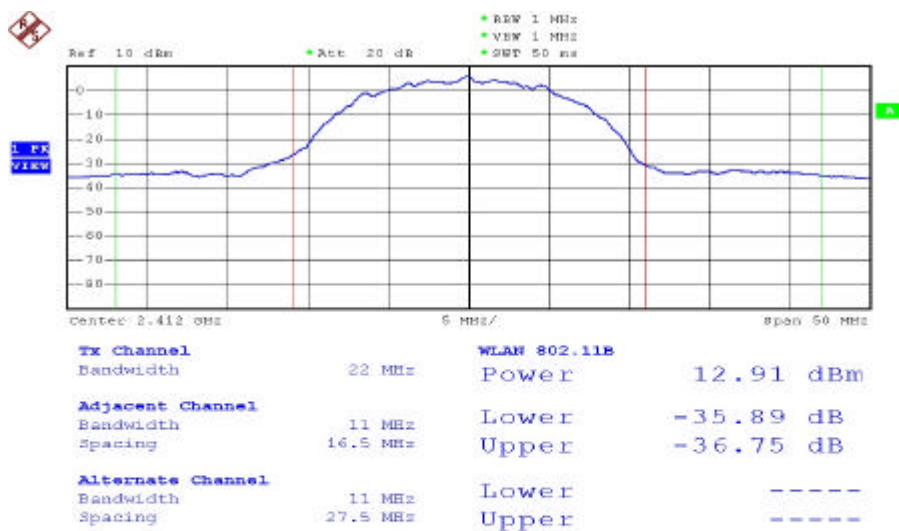
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	12.91	19.543
06	2437	13.44	22.080
11	2462	12.60	18.197

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

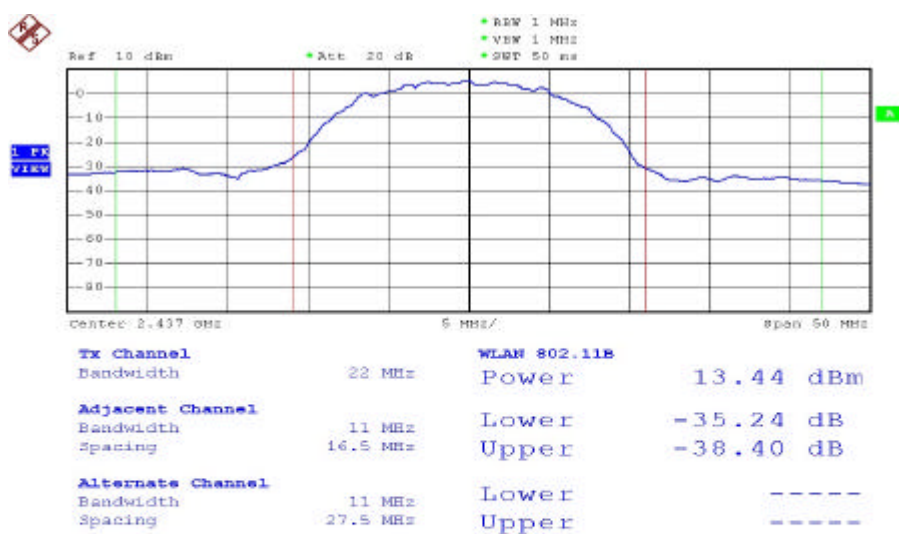
Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	14.20	26.303
06	2437	14.54	28.445
11	2462	14.66	29.242

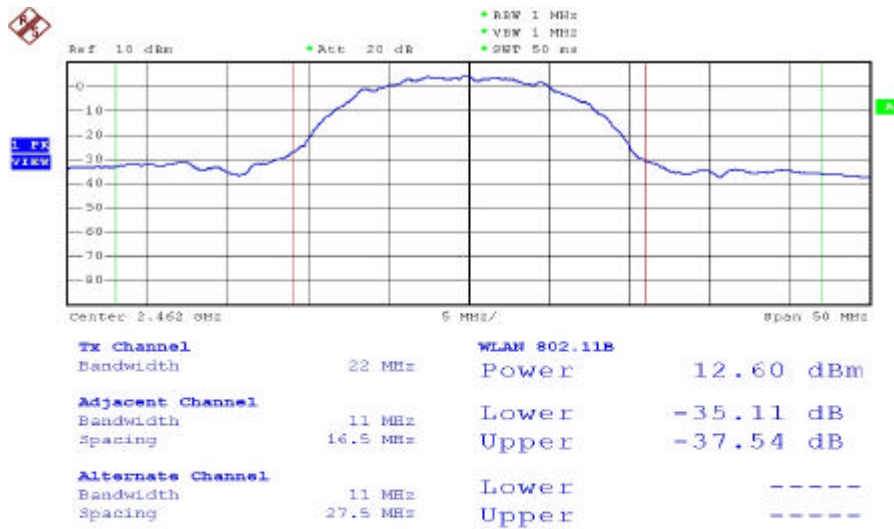
Note: Conducted Power = Reading Value + Cable Loss



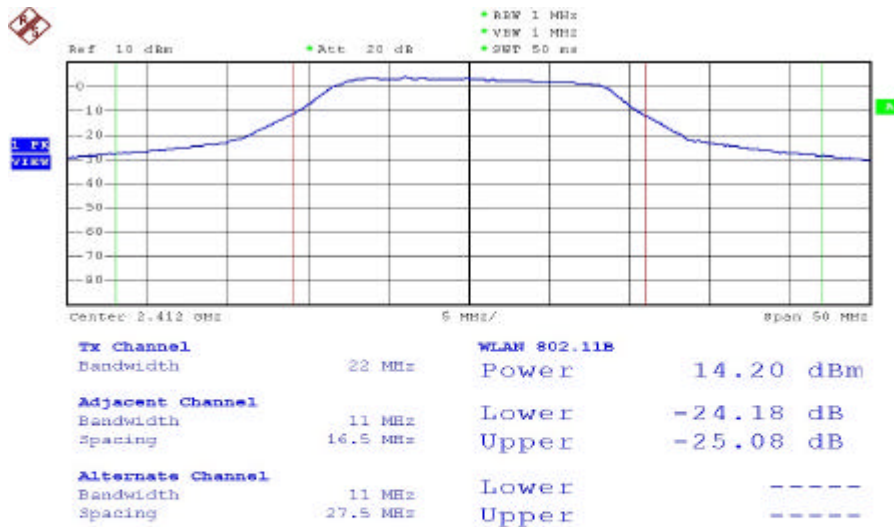
Date: 15.FEB.2005 10:01:25



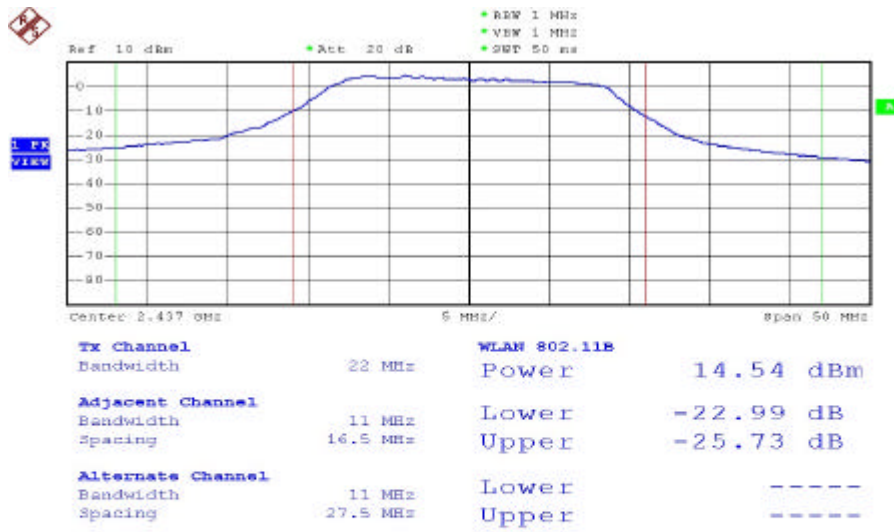
Date: 15.FEB.2005 10:00:11



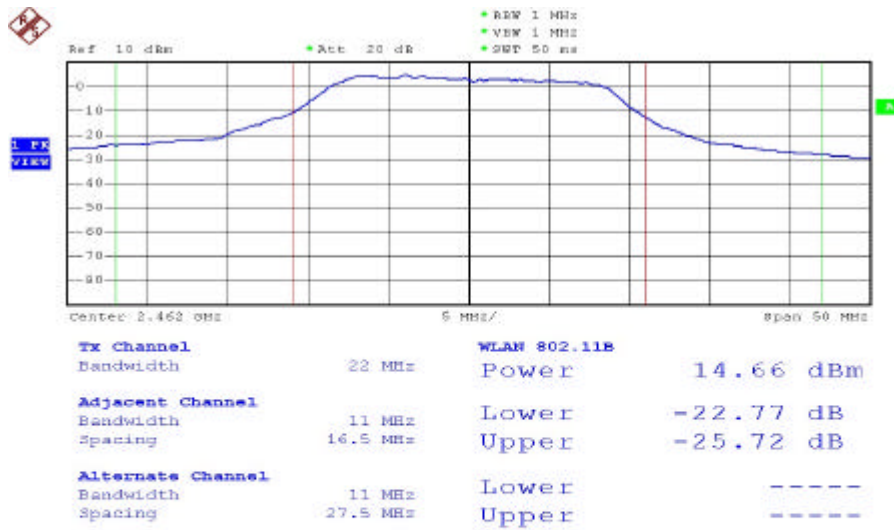
Date: 15.FEB.2005 10:03:00



Date: 15.FEB.2005 10:07:16



Date: 15.FEB.2005 10:05:59



Date: 15.FEB.2005 10:04:57

4.6. Band Edges Measurement Data

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

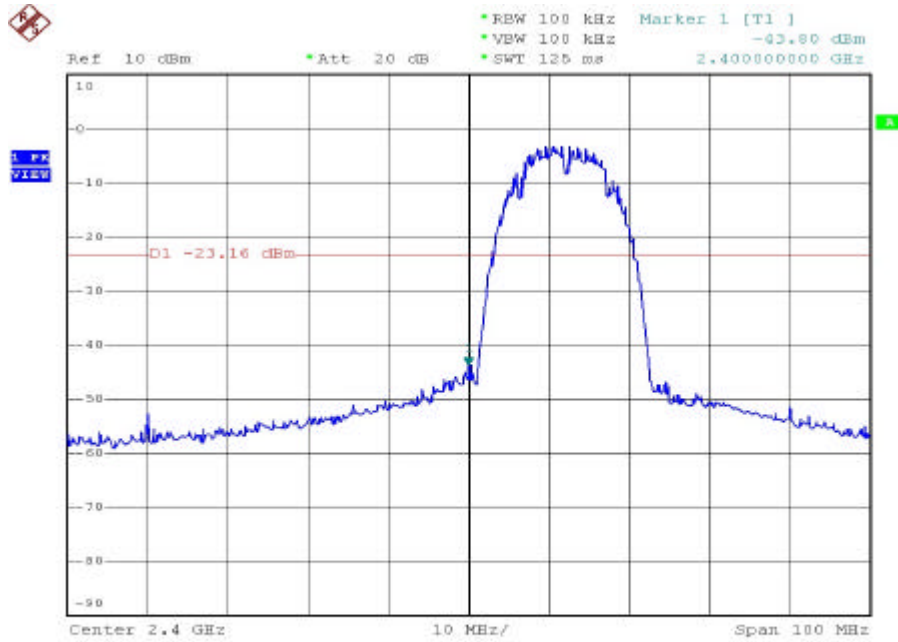
Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2400.0	-43.80
11	2462	2680.0	-51.85

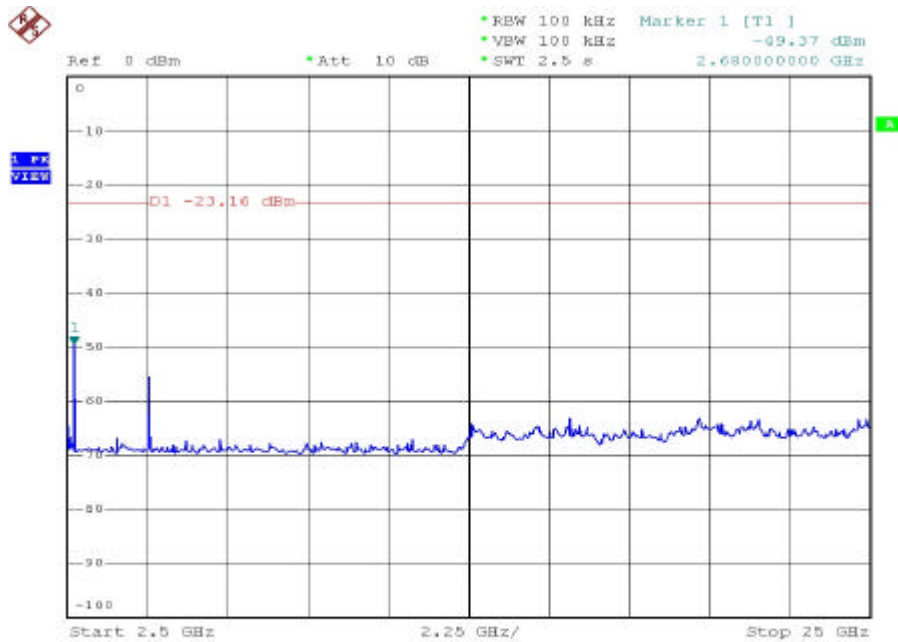
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

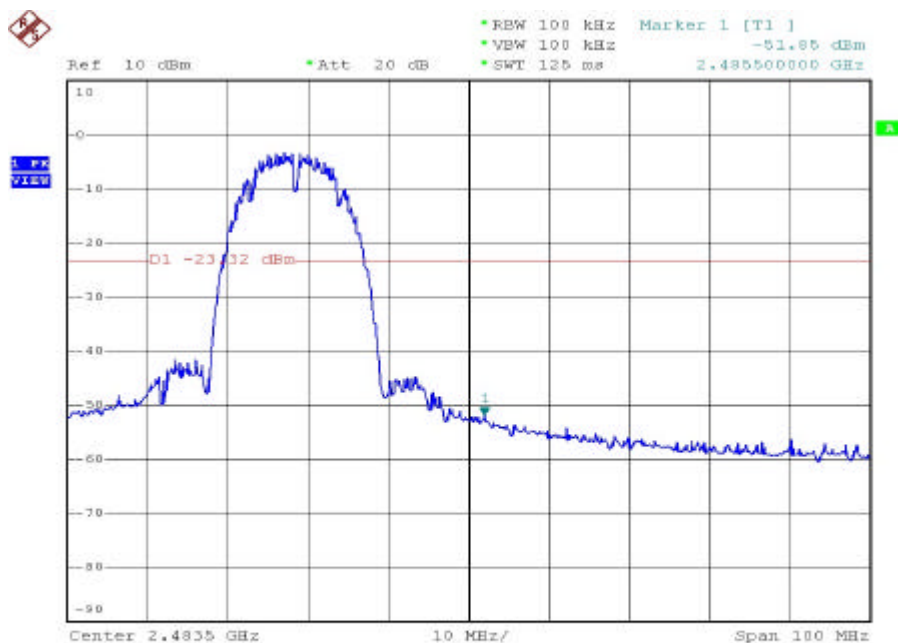
Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2400.0	-29.90
11	2462	2483.5	-46.38



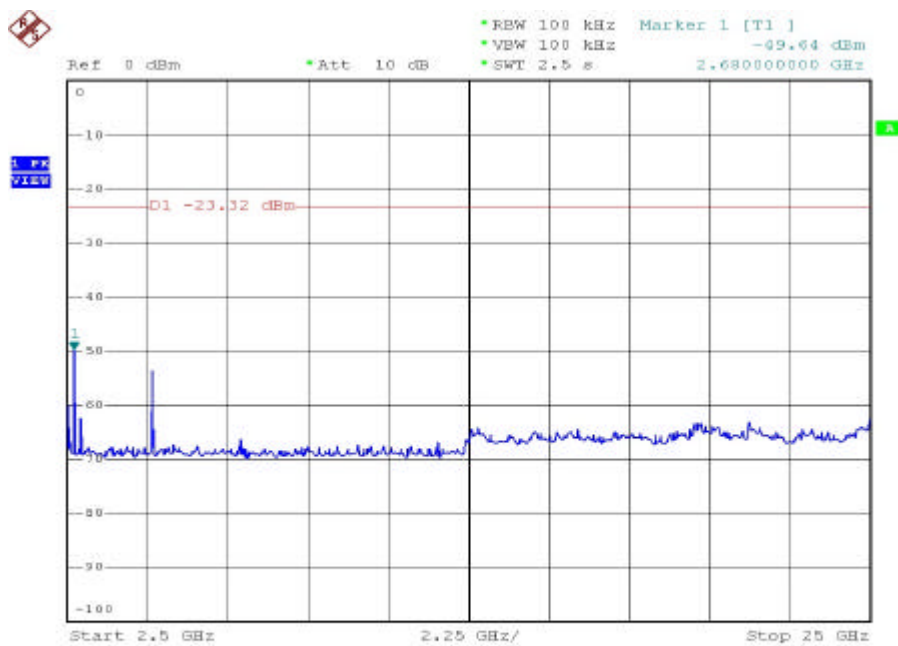
Date: 15.FEB.2005 10:24:26



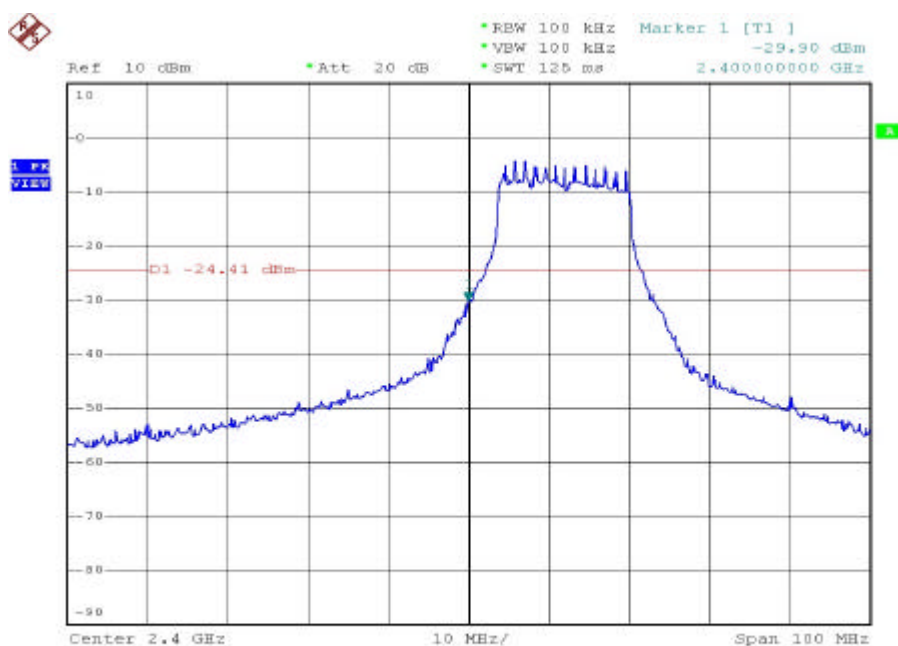
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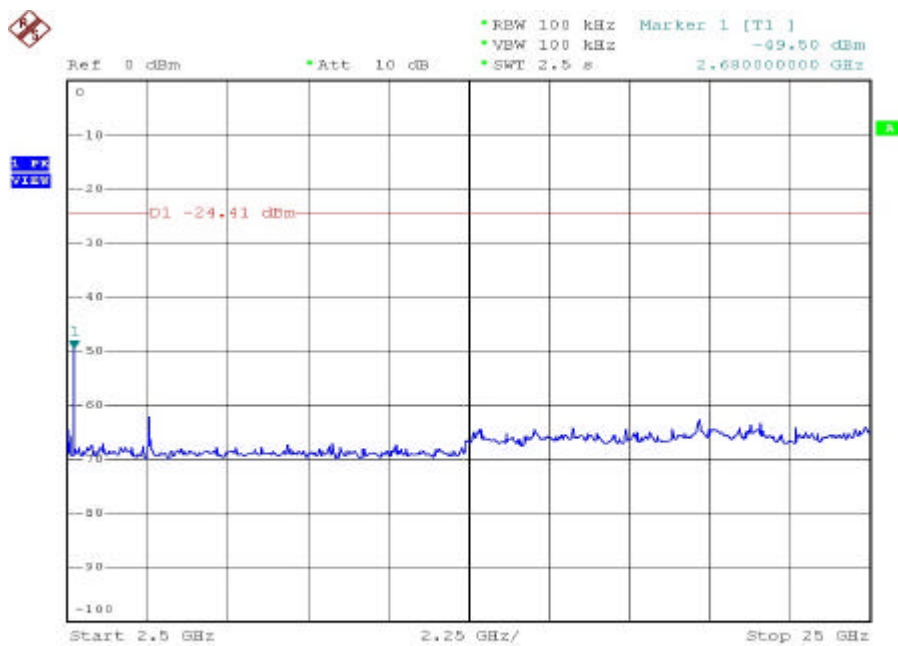
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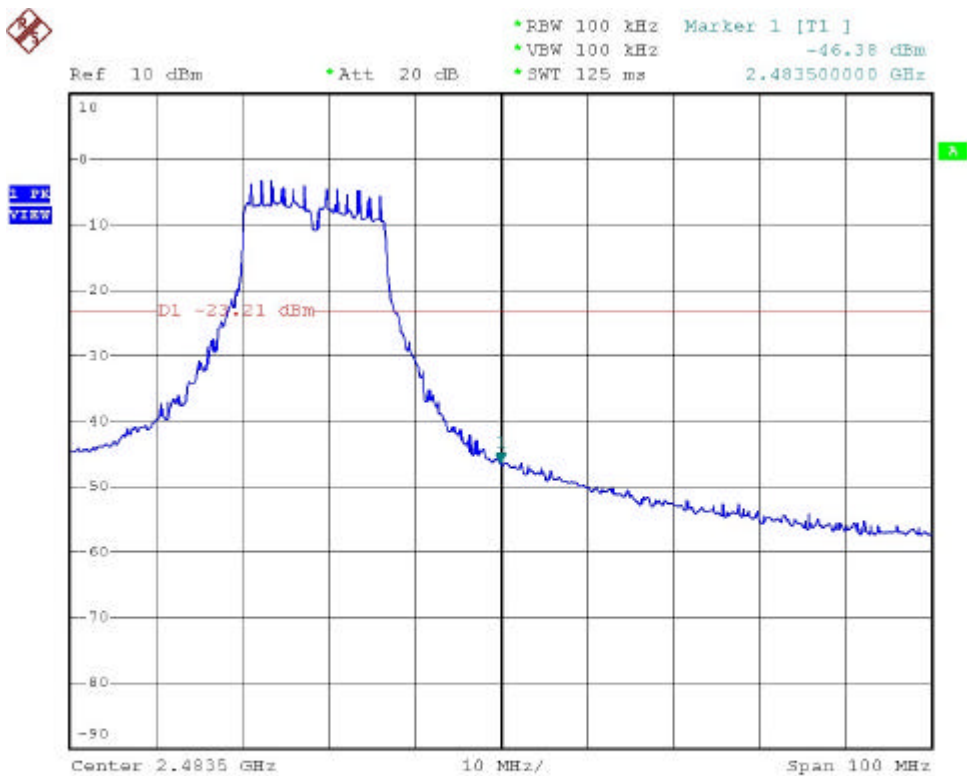
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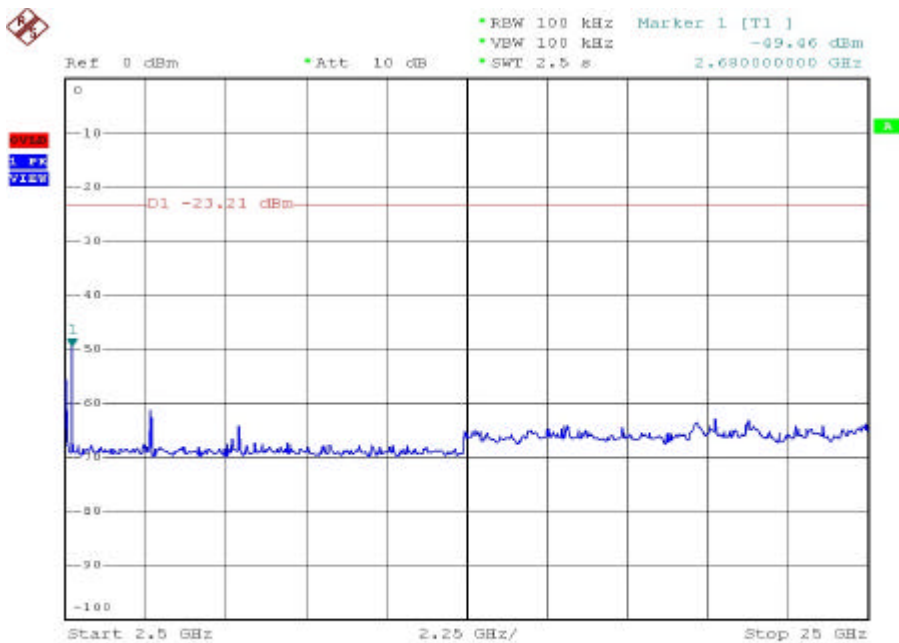
Date: 15.FEB.2005 10:29:48



Date: 15.FEB.2005 10:30:47



Date: 15.FEB.2005 10:44:34



Date: 15.FEB.2005 10:45:27

4.7. Restrict band emission Measurement Data

Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% 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.			
2389.356	H	52.92	-0.61	52.31	Peak	74	54	-21.69	182	1.2
2389.356	H	43.11	-0.61	42.50	Ave.	74	54	-11.50	182	1.2
2389.356	V	65.10	-1.31	63.79	Peak	74	54	-10.21	179	1.1
2359.980	V	45.46	-1.39	44.07	Ave.	74	54	-9.93	179	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.			
2483.508	H	50.03	-0.27	49.76	Peak	74	54	-24.24	186	1.2
2483.508	H	41.62	-0.27	41.35	Ave.	74	54	-12.65	186	1.2
2483.508	V	59.72	-0.97	58.75	Peak	74	54	-15.25	182	1.1
2483.508	V	36.82	-0.97	35.85	Ave.	74	54	-18.15	182	1.1

Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Feb. 17, 2005 Temperature: 23 Humidity: 69% 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.			
2389.560	H	58.53	-0.60	57.93	Peak	74	54	-16.07	184	1.2
2359.980	H	34.34	-0.69	33.65	Ave.	74	54	-20.35	184	1.2
2389.764	V	71.09	-1.29	69.80	Peak	74	54	-4.20	187	1.1
2359.980	V	44.84	-1.39	43.45	Ave.	74	54	-10.55	187	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	55.55	-0.27	55.28	Peak	74	54	-18.72	191	1.2
2483.584	H	32.94	-0.27	32.67	Ave.	74	54	-21.33	191	1.2
2483.508	V	67.40	-0.97	66.43	Peak	74	54	-7.57	186	1.1
2483.508	V	37.64	-0.97	36.67	Ave.	74	54	-17.33	186	1.1

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)

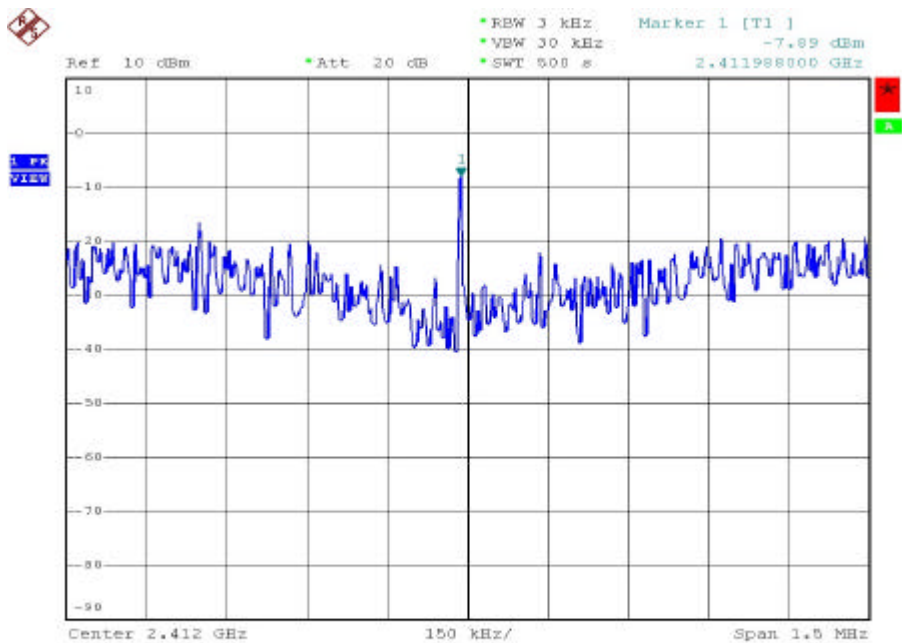
Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-7.89
06	2437	-11.82
11	2462	-16.63

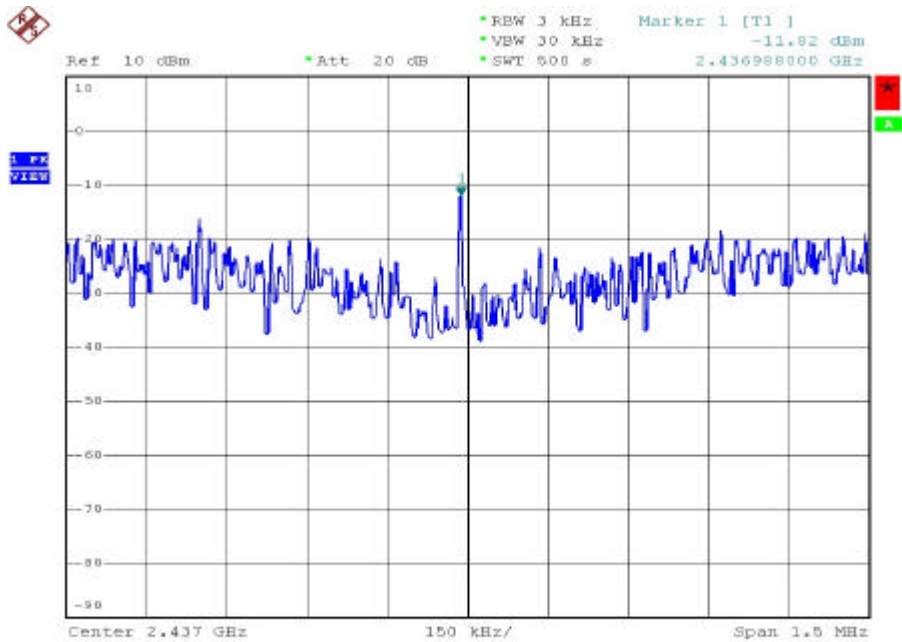
(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Feb. 15, 2005 Temperature: 24 Humidity: 64% Atmospheric pressure: 1020mmHg

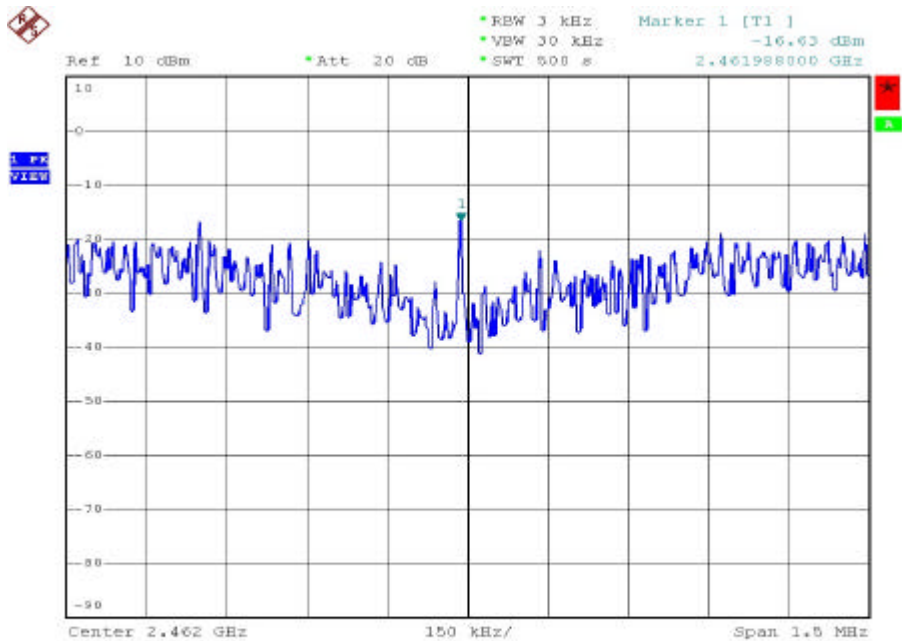
Channel	Frequency	Maximum Power Density of 3 kHz Bandwidth (dBm)
01	2412	-11.27
06	2437	-10.10
11	2462	-13.25



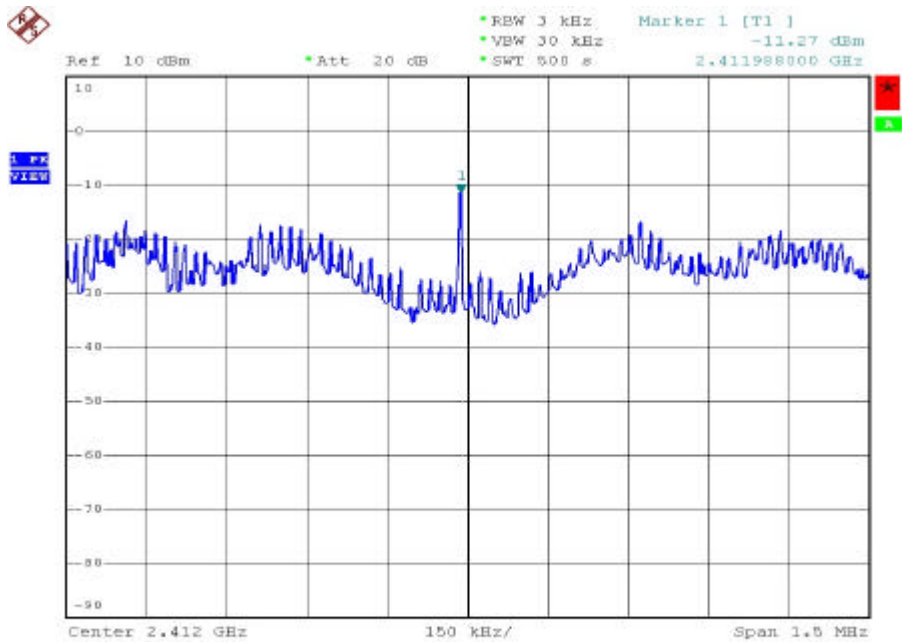
Date: 15.FEB.2005 11:07:02



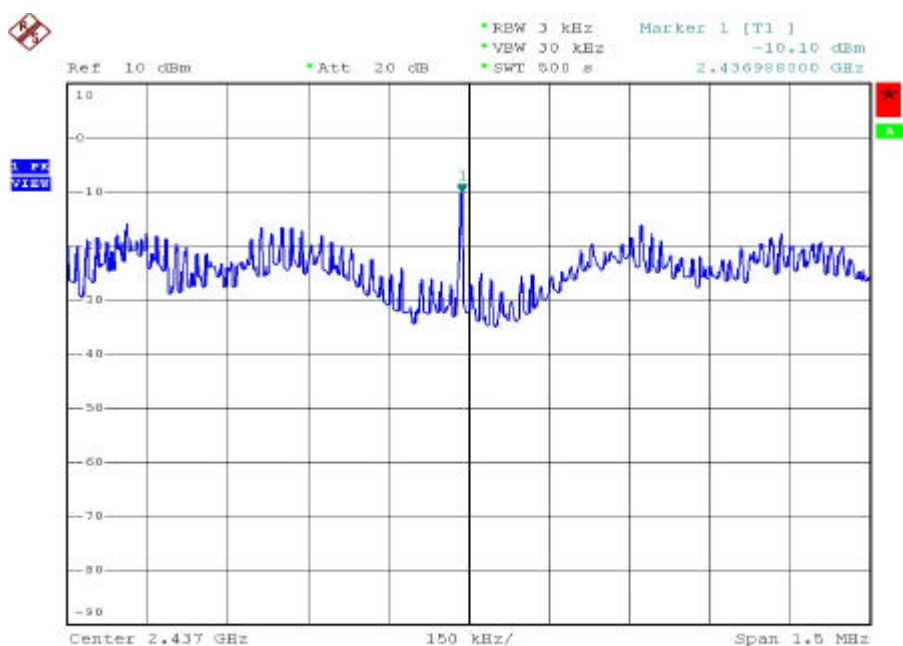
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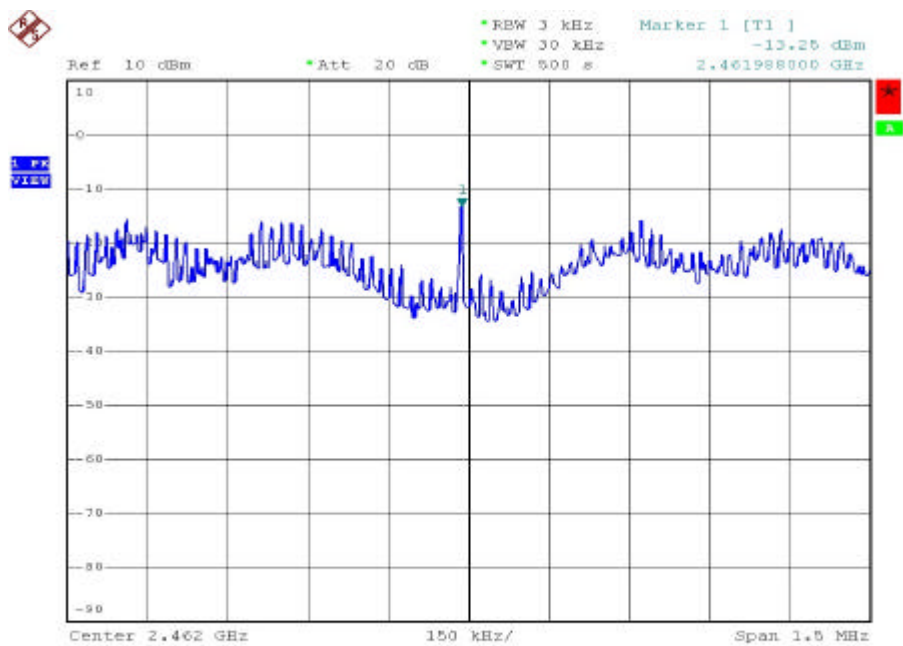
Date: 15.FEB.2005 11:25:36



Date: 15.FEB.2005 11:36:13



Date: 15.FEB.2005 11:45:32



Date: 15.FEB.2005 11:57:45

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	2005/12/27
21	ATTENUATOR	8491B	AGILENT	50705	2005/12/27
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