

4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b

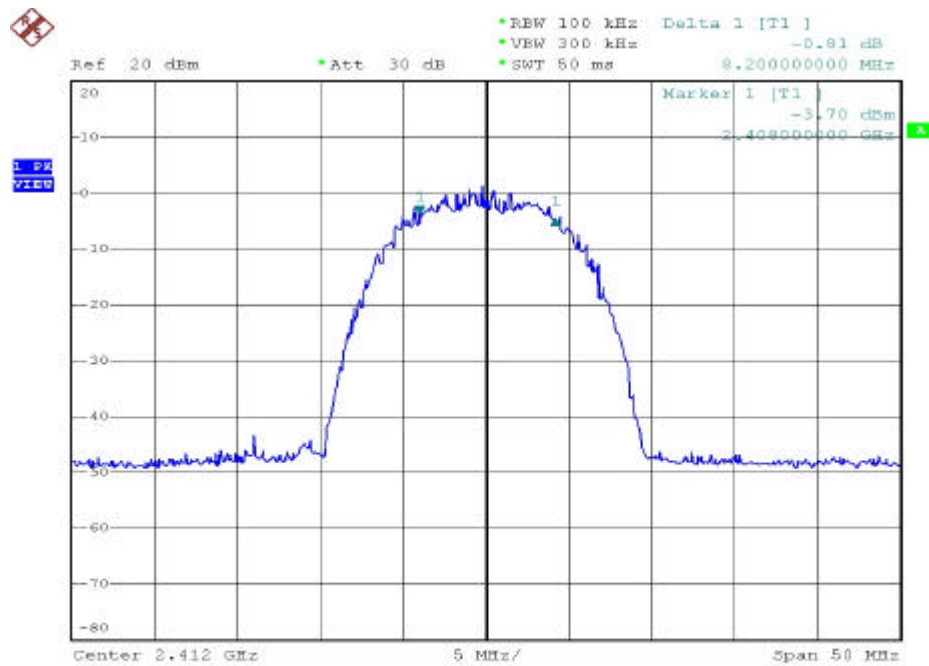
Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

- a) Channel 01: 6dB Emission Bandwidth is 8.2 MHz
- b) Channel 06: 6dB Emission Bandwidth is 7.9 MHz
- c) Channel 11: 6dB Emission Bandwidth is 8.1 MHz

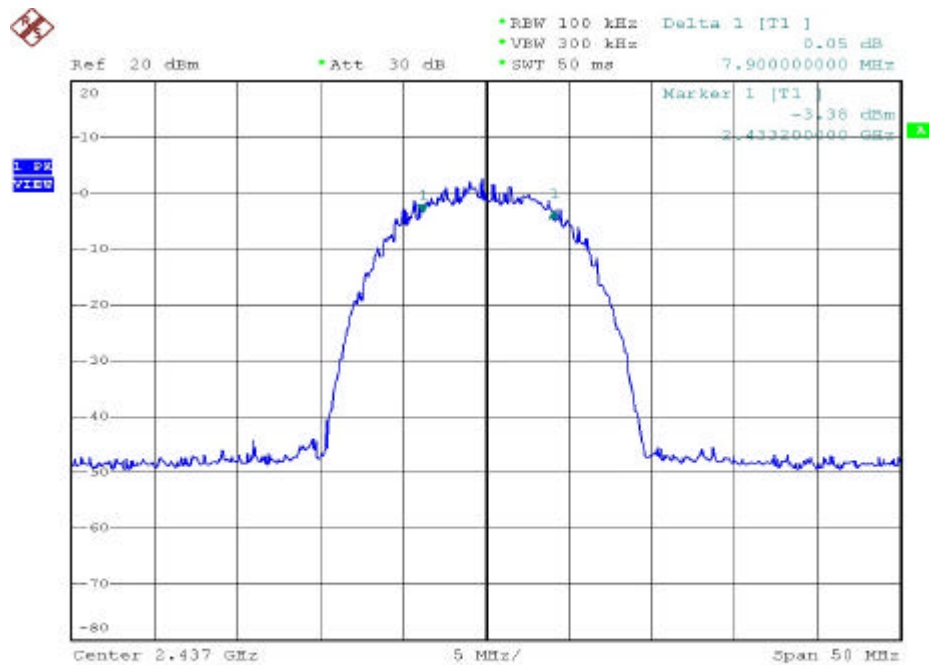
(2) Modulation Standard: IEEE 802.11g

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

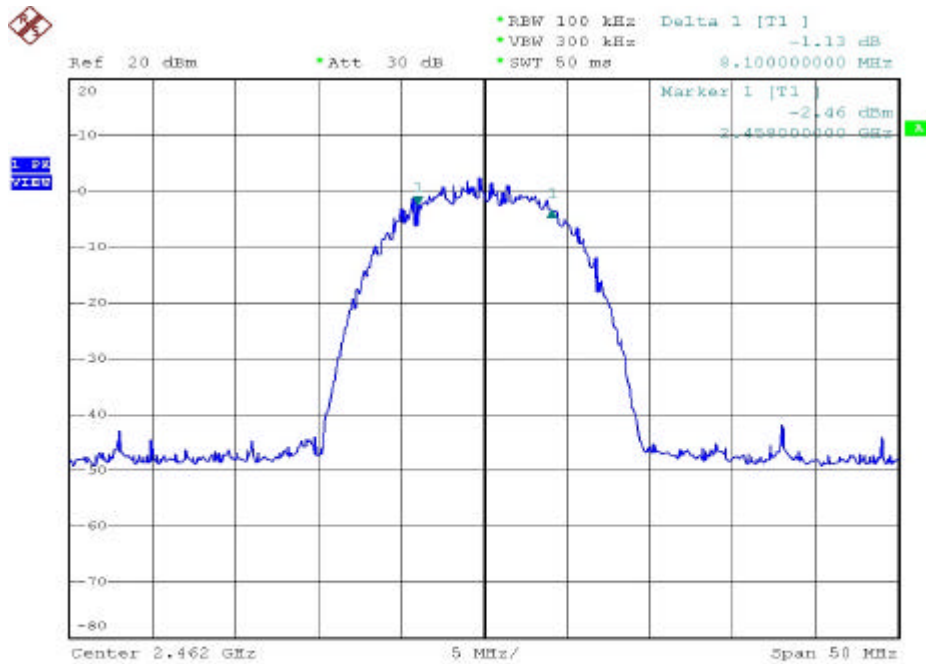
- a) Channel 01: 6dB Emission Bandwidth is 15.5 MHz
- b) Channel 06: 6dB Emission Bandwidth is 15.5 MHz
- c) Channel 11: 6dB Emission Bandwidth is 15.3 MHz



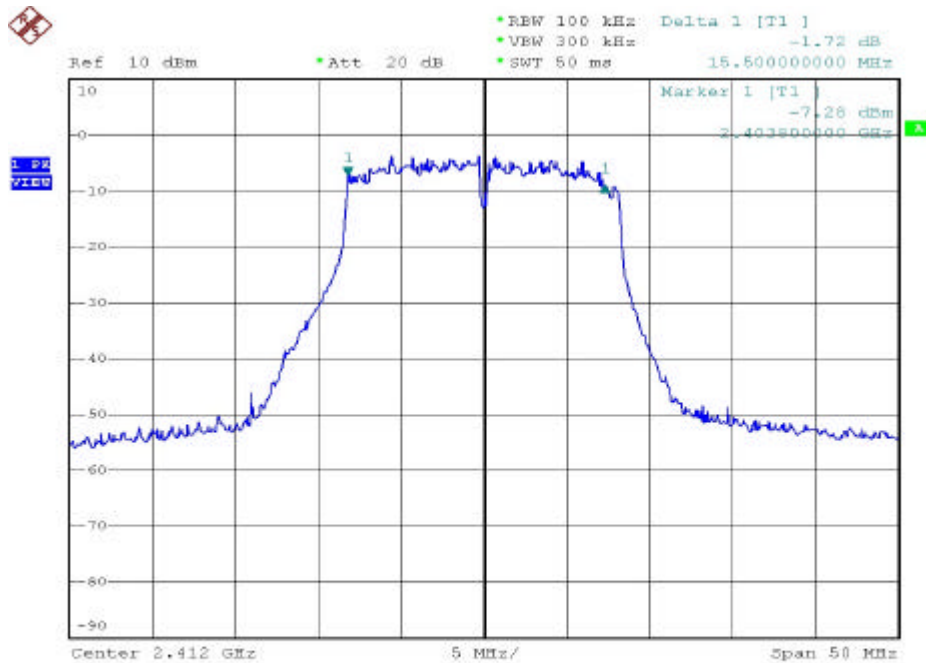
Date: 8.SEP.2004 15:41:03



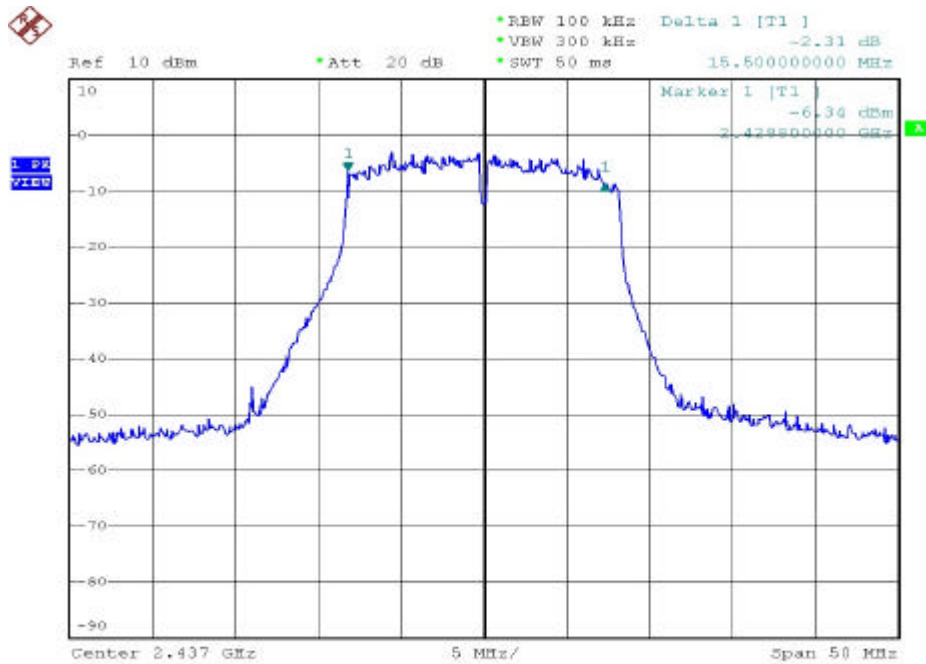
Date: 8.SEP.2004 15:43:47



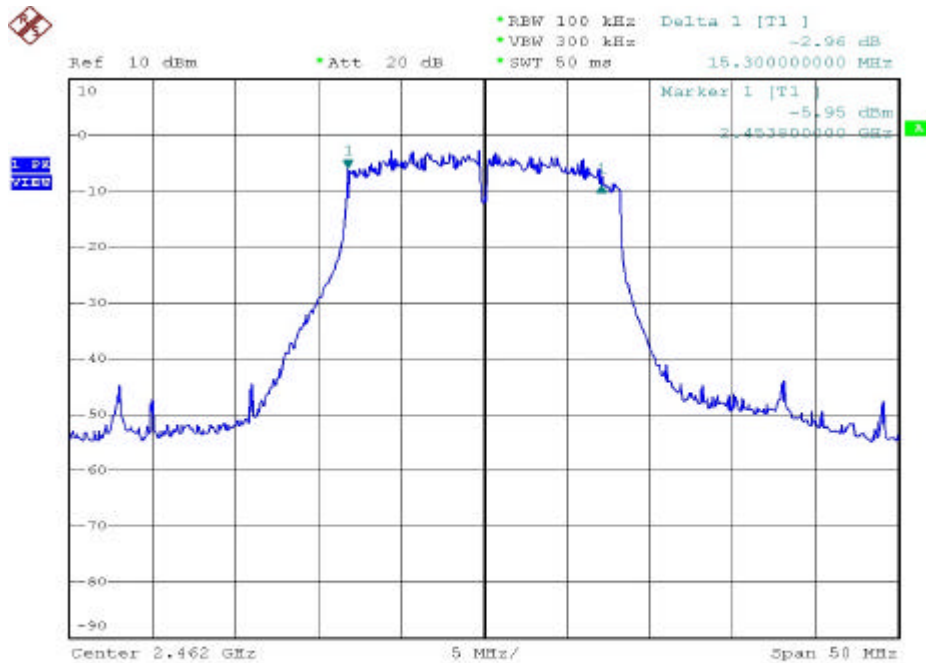
Date: 8.SEP.2004 15:45:59



Date: 8.SEP.2004 15:53:03



Date: 8.SEP.2004 15:51:15



Date: 8.SEP.2004 15:49:26

4.5. Peak Output Power Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

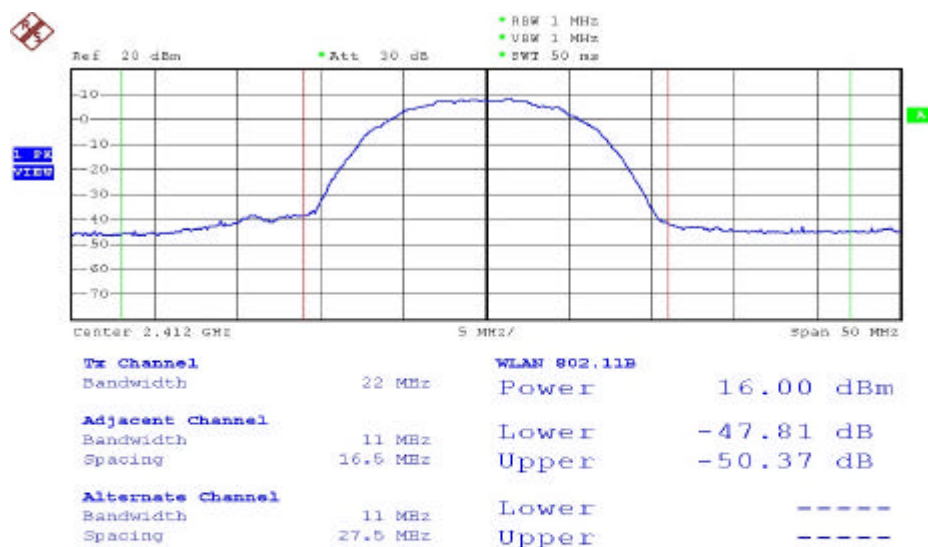
a) Channel 01: Output Peak Power is	<u>16.00</u>	dBm or	<u>39.81</u>	mW
b) Channel 06: Output Peak Power is	<u>16.60</u>	dBm or	<u>45.71</u>	mW
c) Channel 11: Output Peak Power is	<u>16.78</u>	dBm or	<u>47.64</u>	mW

(2) Modulation Standard: IEEE 802.11g

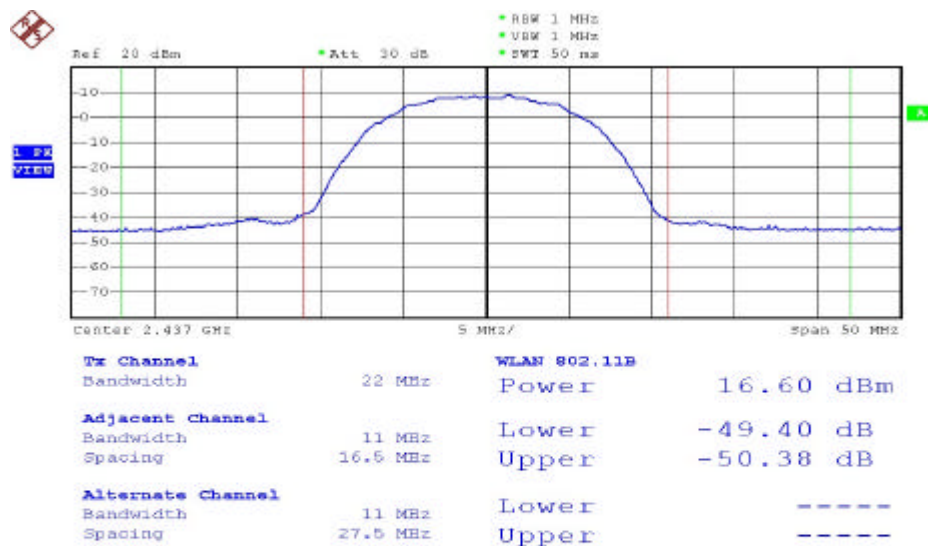
Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

a) Channel 01: Output Peak Power is	<u>16.60</u>	dBm or	<u>45.71</u>	mW
b) Channel 06: Output Peak Power is	<u>17.14</u>	dBm or	<u>51.76</u>	mW
c) Channel 11: Output Peak Power is	<u>17.23</u>	dBm or	<u>52.84</u>	mW

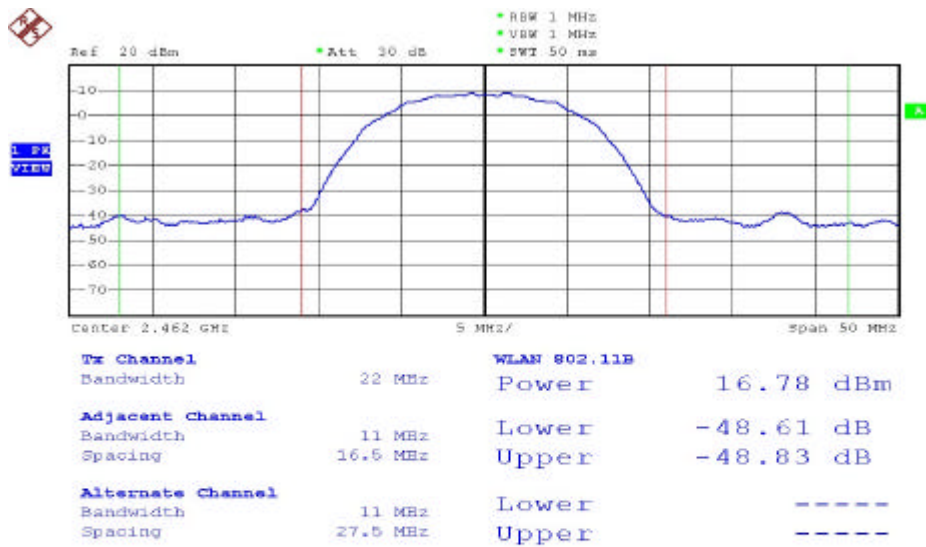
Note: Conducted Power = Reading Value + Cable Loss



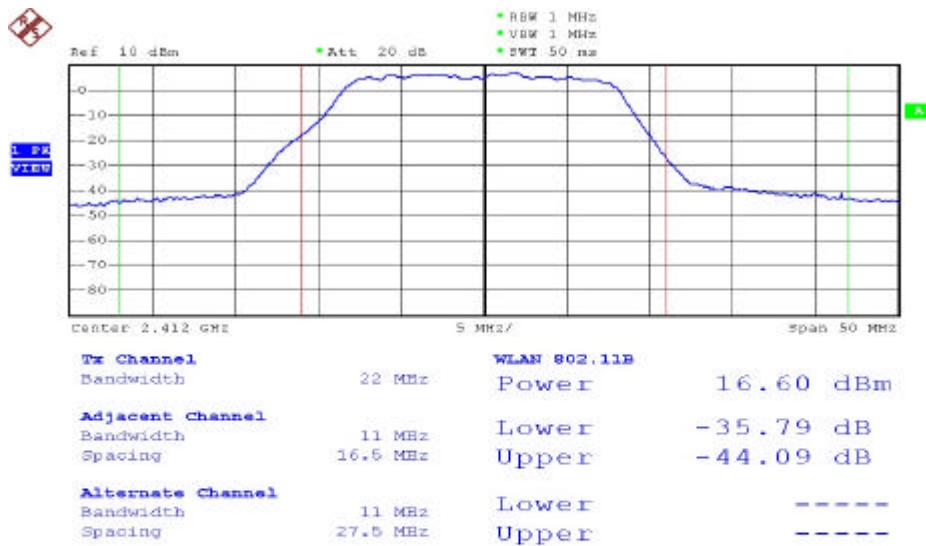
Date: 8.SEP.2004 16:04:46



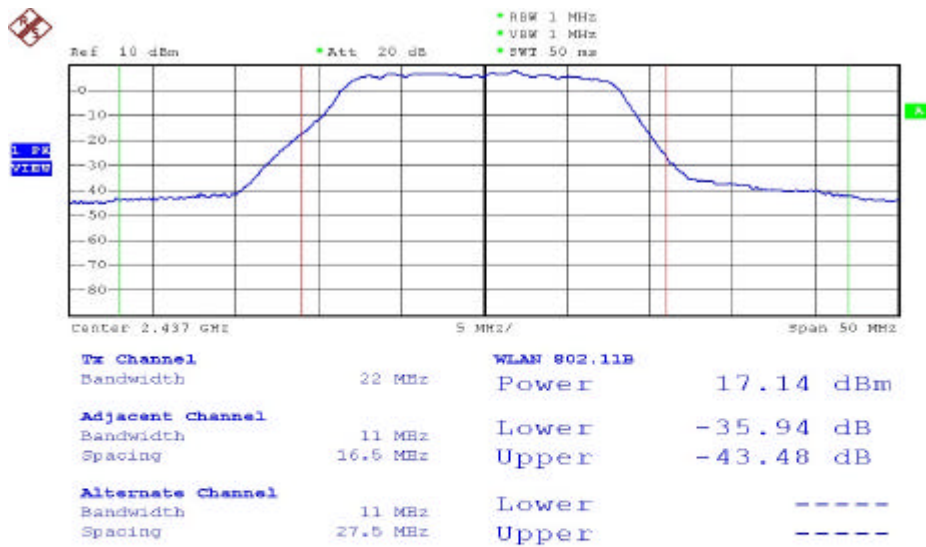
Date: 8.SEP.2004 16:05:53



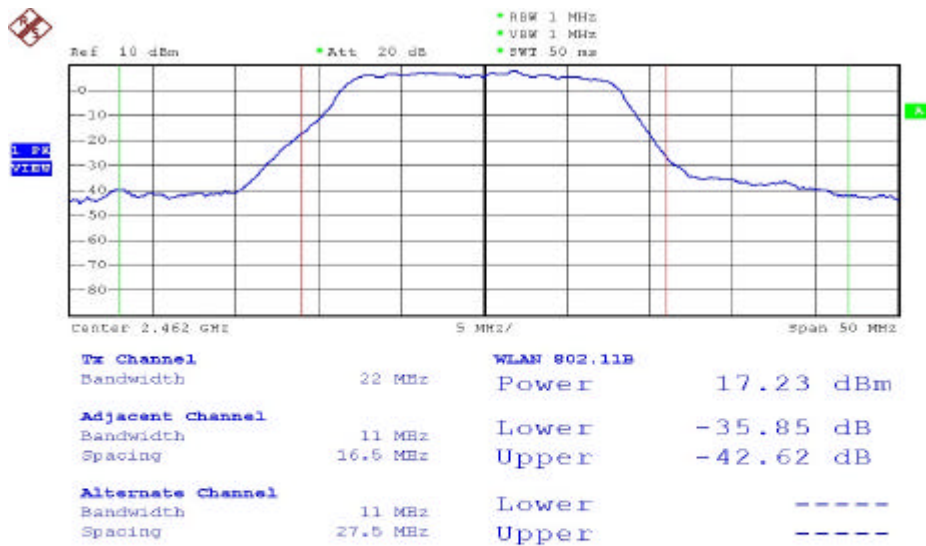
Date: 8.SEP.2004 16:07:31



Date: 8.SEP.2004 15:55:16



Date: 8.SEP.2004 15:58:55



Date: 8.SEP.2004 16:01:48

4.6. Band Edges Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

a) Lower Band Edge: maximum value is -47.28 dBm that is attenuated more than 20dB

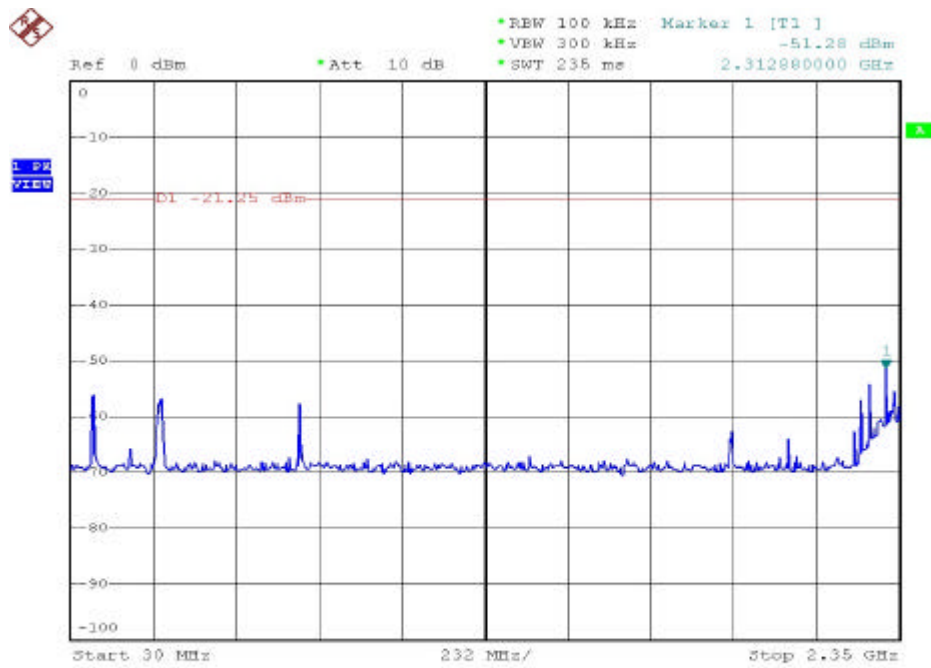
b) Upper Band Edge: maximum value is -48.24 dBm that is attenuated more than 20dB

(2) Modulation Standard: IEEE 802.11g

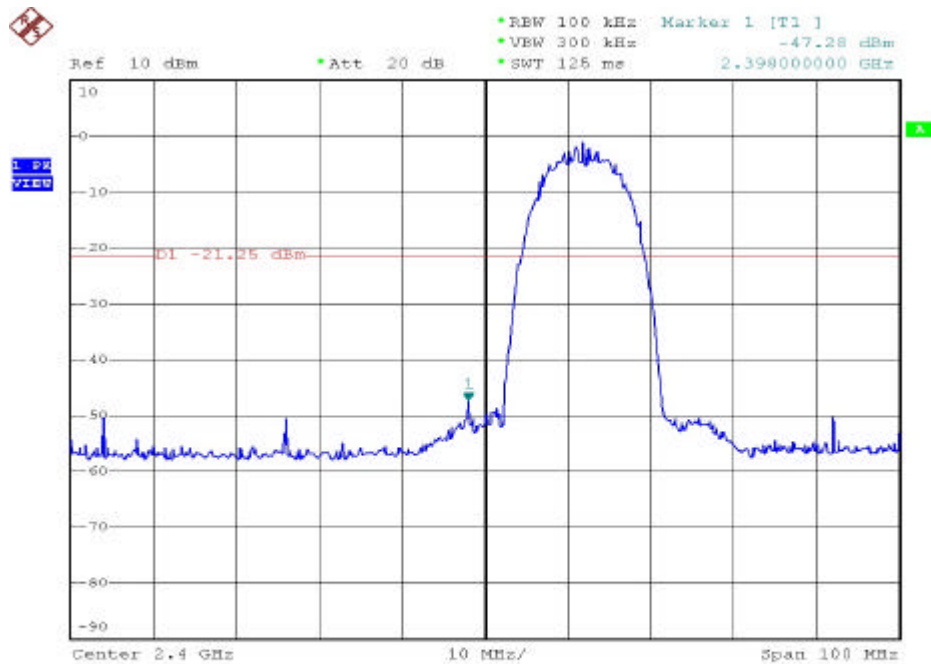
Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

a) Lower Band Edge: maximum value is -49.01 dBm that is attenuated more than 20dB

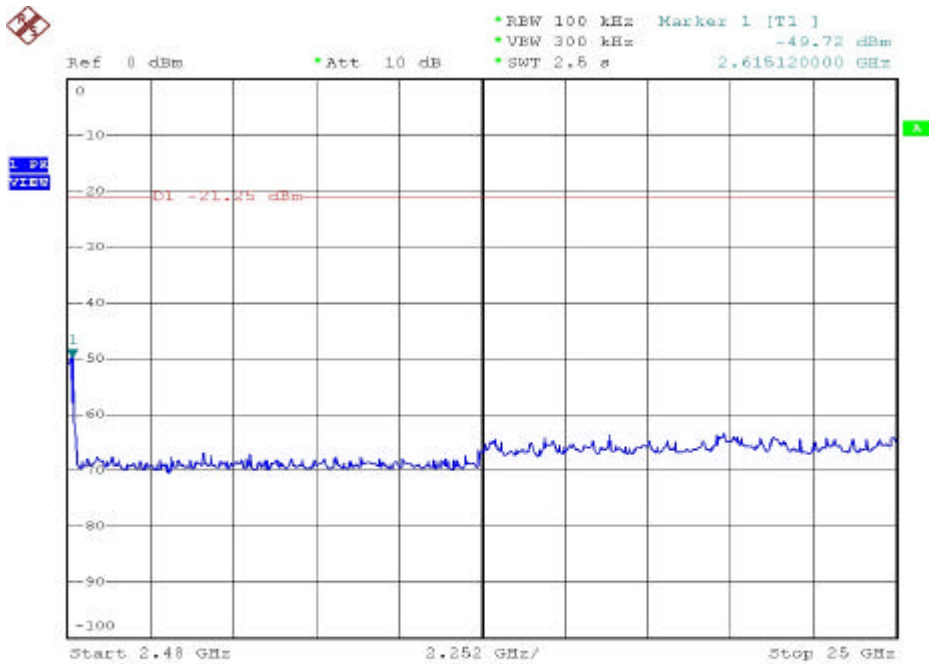
b) Upper Band Edge: maximum value is -49.17 dBm that is attenuated more than 20dB



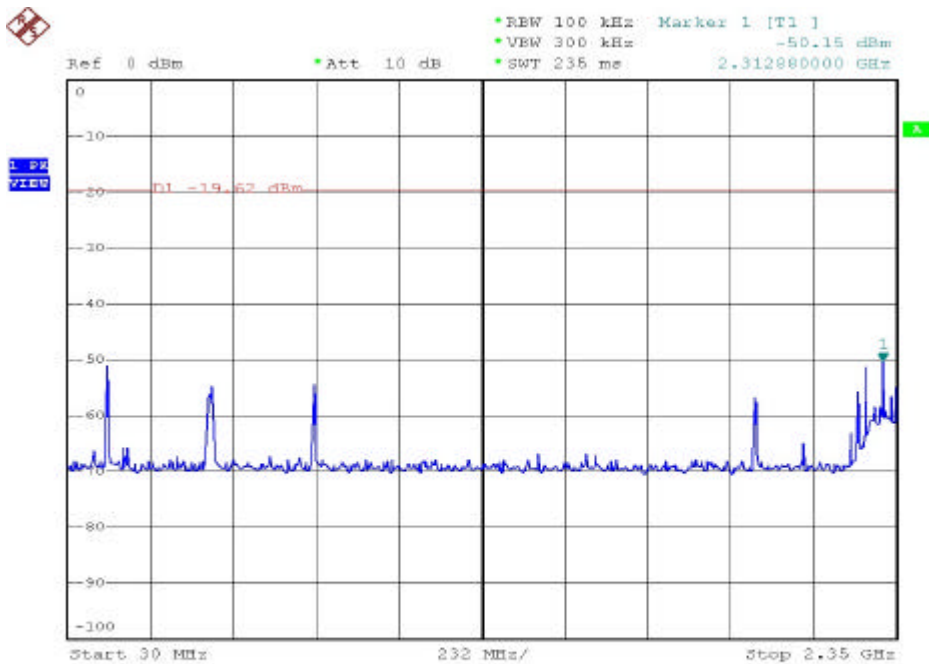
Date: 10.SEP.2004 16:52:18



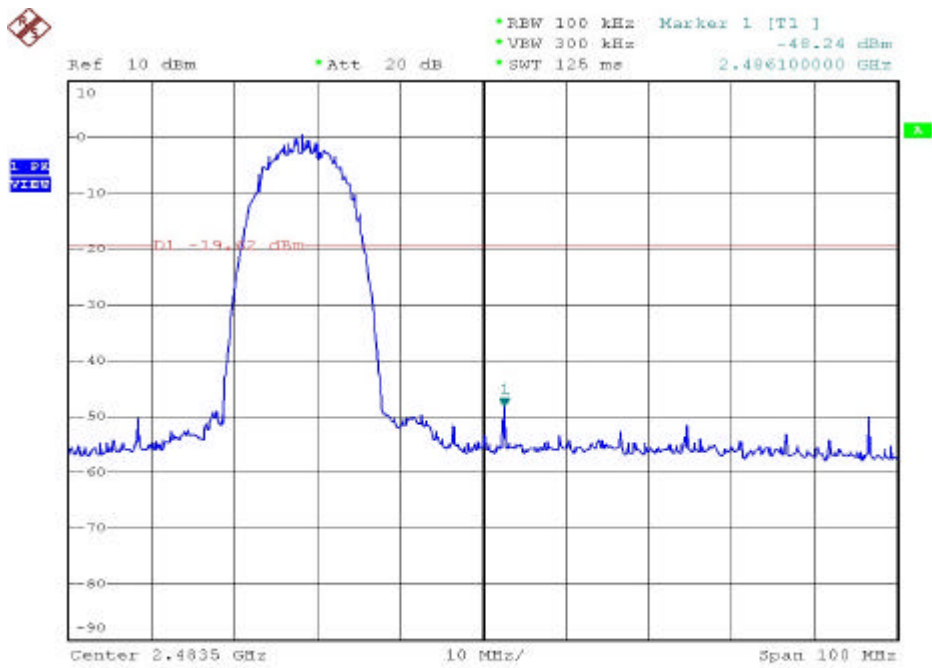
Date: 10.SEP.2004 16:51:13



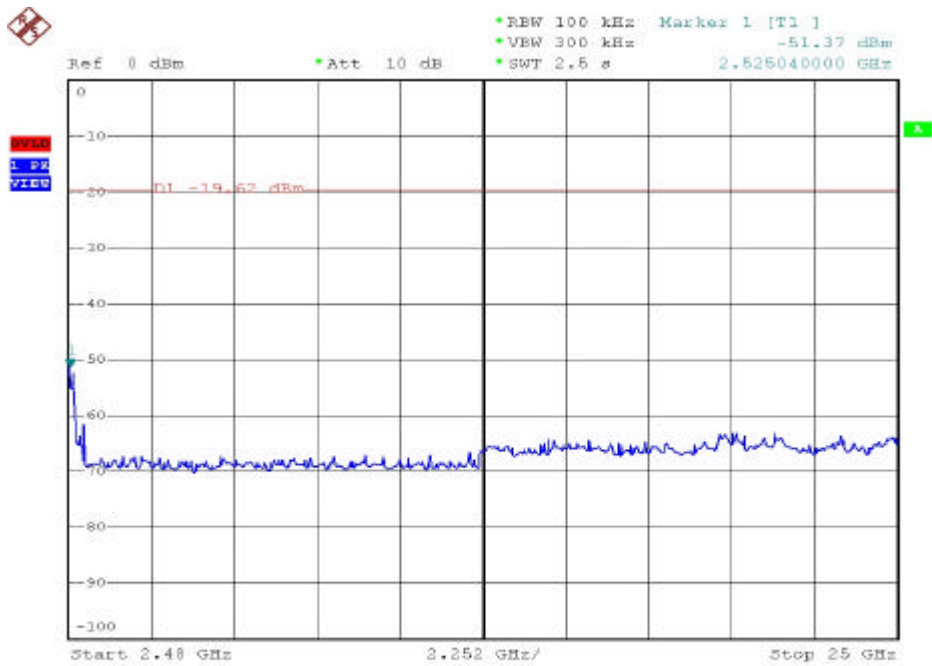
Date: 10.SEP.2004 16:53:23



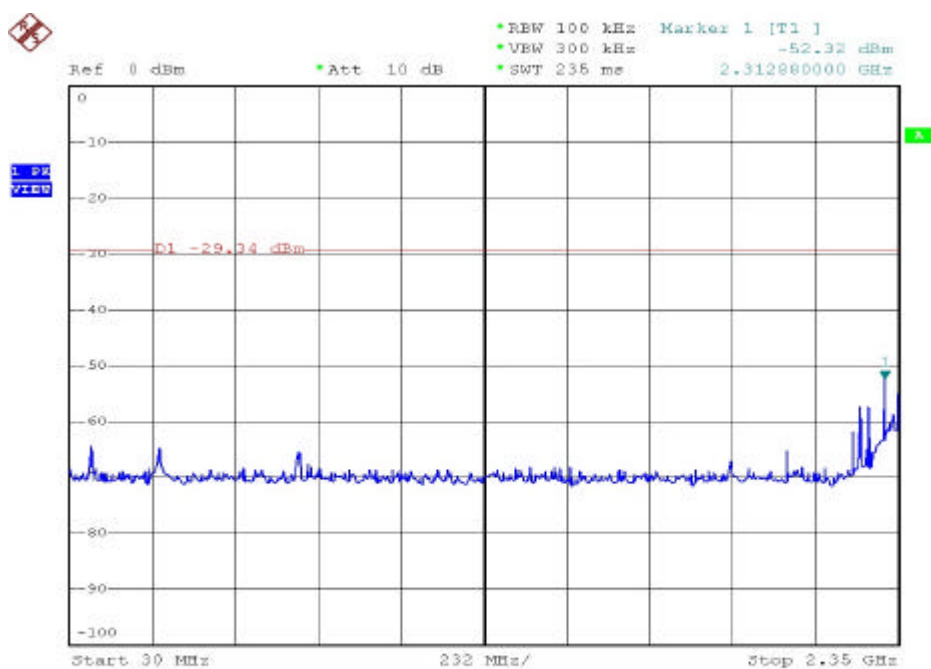
Date: 10.SEP.2004 17:03:02



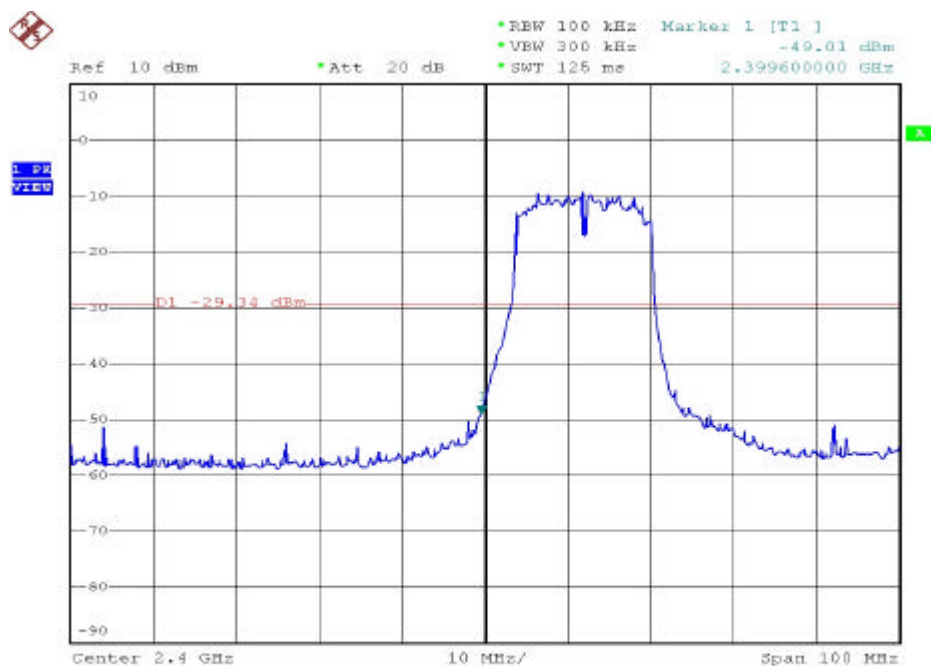
Date: 10.SEP.2004 17:02:02



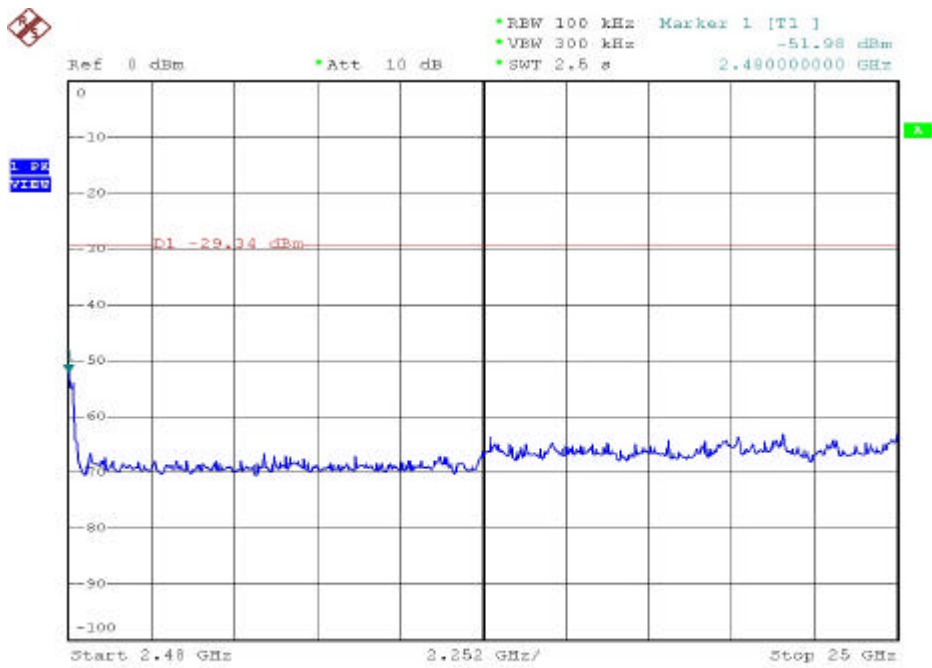
Date: 10.SEP.2004 17:04:22



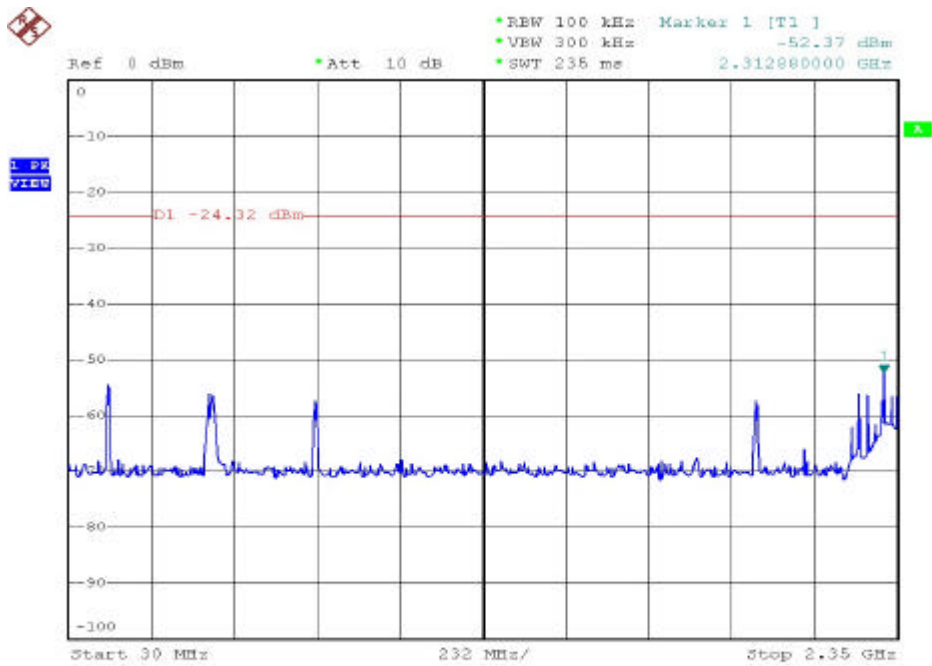
Date: 10.SEP.2004 17:20:12



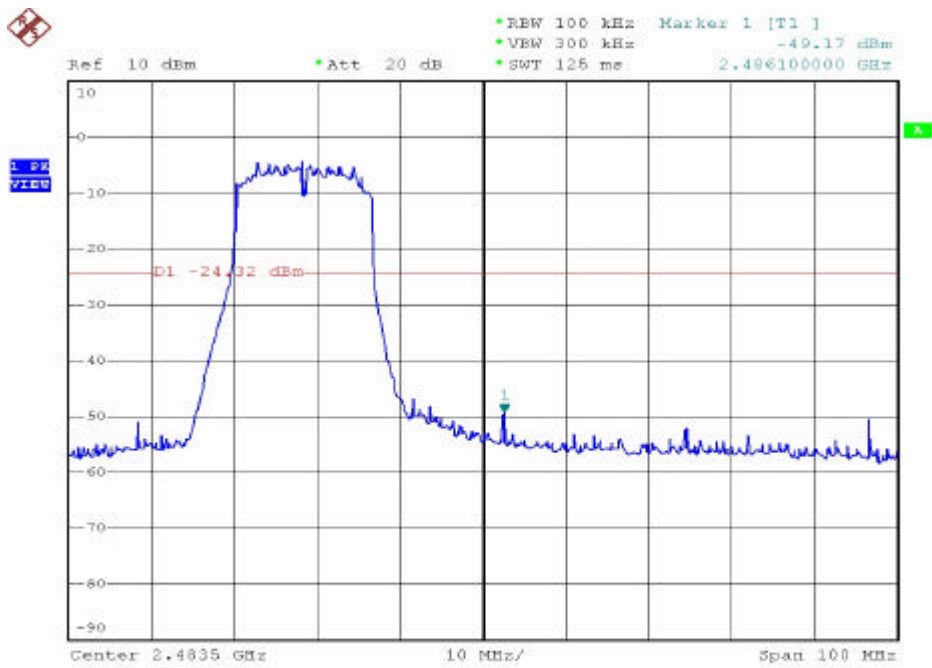
Date: 10.SEP.2004 17:19:33



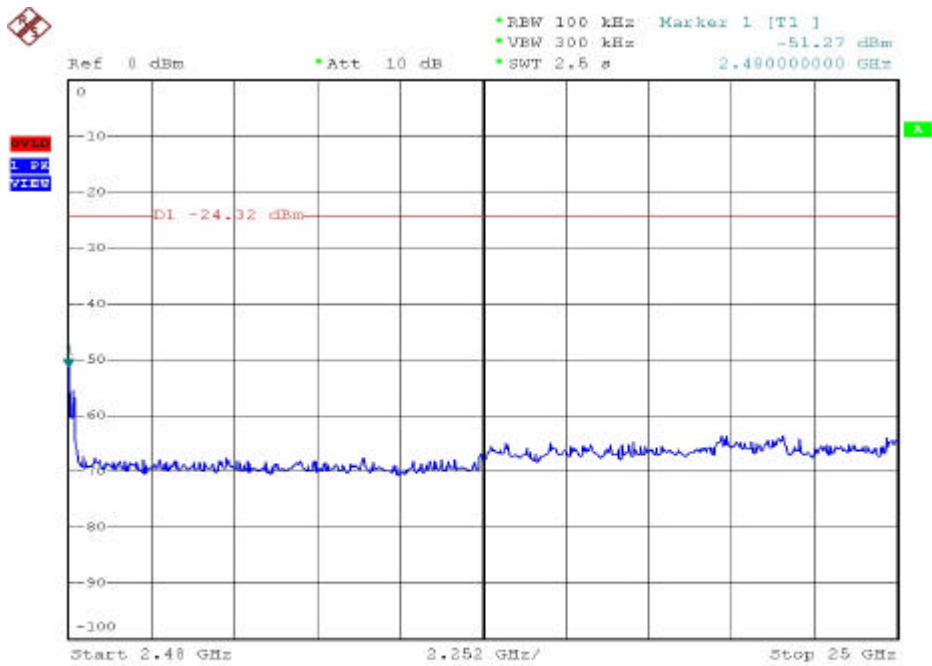
Date: 10.SEP.2004 17:21:00



Date: 10.SEP.2004 17:46:37



Date: 10.SEP.2004 17:24:10



Date: 10.SEP.2004 17:47:50

4.6.1. Note on Band edge Emission

Modulation Standard: IEEE 802.11b

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

a) Channel 1

Fundamental Frequency: 2412 MHz

Frequency (MHz)	Level (dBV)	Polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2375.892	50.08	H	Peak	74	54	-23.92	196	1.5
2375.892	---	H	Ave.	74	54	---	---	---
2375.892	55.43	V	Peak	74	54	-18.57	186	1.5
2354.064	45.02	V	Ave.	74	54	-8.98	192	1.5

b) Channel 11

Fundamental Frequency: 2462 MHz

Frequency (MHz)	Level (dBuV)	Polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2485.940	50.64	H	Peak	74	54	-23.36	188	1.5
2485.940	---	H	Ave.	74	54	---	---	---
2485.864	58.47	V	Peak	74	54	-15.53	182	1.5
2486.016	47.58	V	Ave.	74	54	-6.42	200	1.5

Modulation Standard: IEEE 802.11g

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

a) Channel 1

Fundamental Frequency: 2412 MHz

Frequency (MHz)	Level (dBuV)	Polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2346.108	50.94	H	Peak	74	54	-23.06	182	1.5
2346.108	---	H	Ave.	74	54	---	---	---
2389.764	55.20	V	Peak	74	54	-18.80	200	1.5
2310.000	44.26	V	Ave.	74	54	-9.74	212	1.5

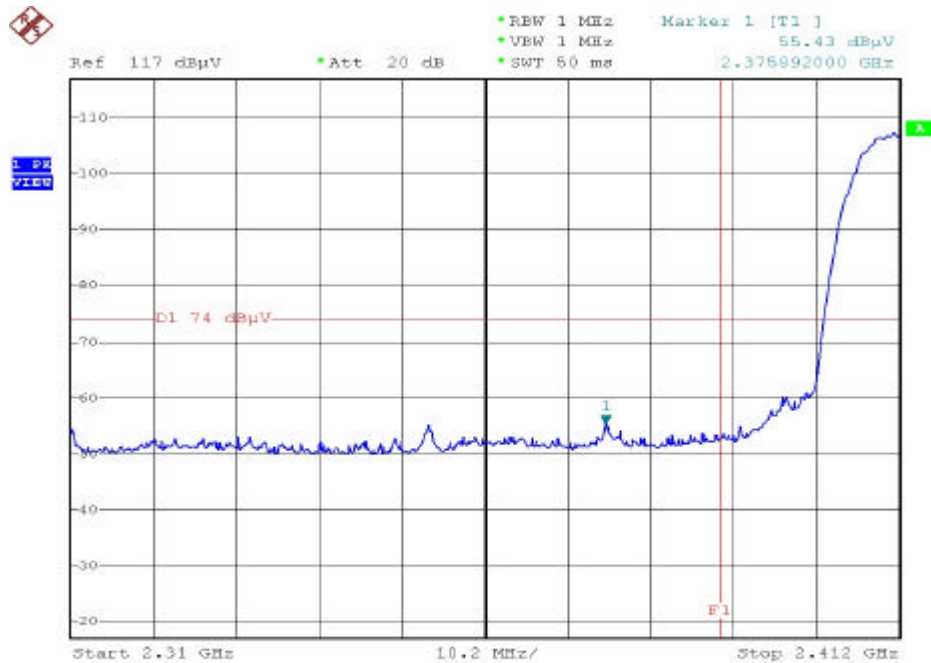
b) Channel 11

Fundamental Frequency: 2462 MHz

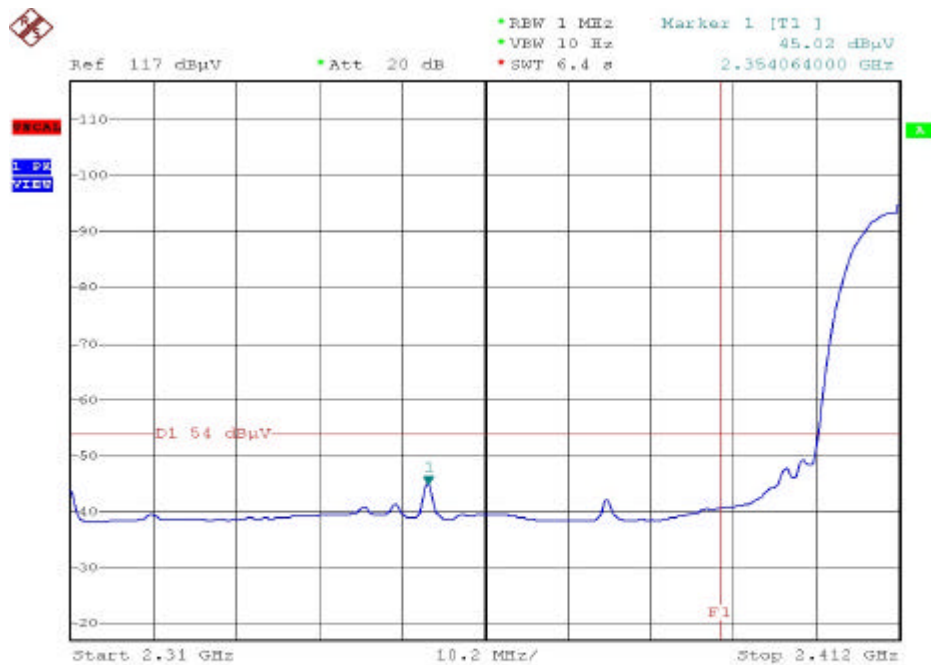
Frequency (MHz)	Level (dBuV)	Polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2485.636	50.68	H	Peak	74	54	-23.32	196	1.5
2485.636	---	H	Ave.	74	54	---	---	---
2485.712	59.01	V	Peak	74	54	-14.99	200	1.5
2486.016	48.16	V	Ave.	74	54	-5.84	192	1.5

Modulation Standard: IEEE 802.11b

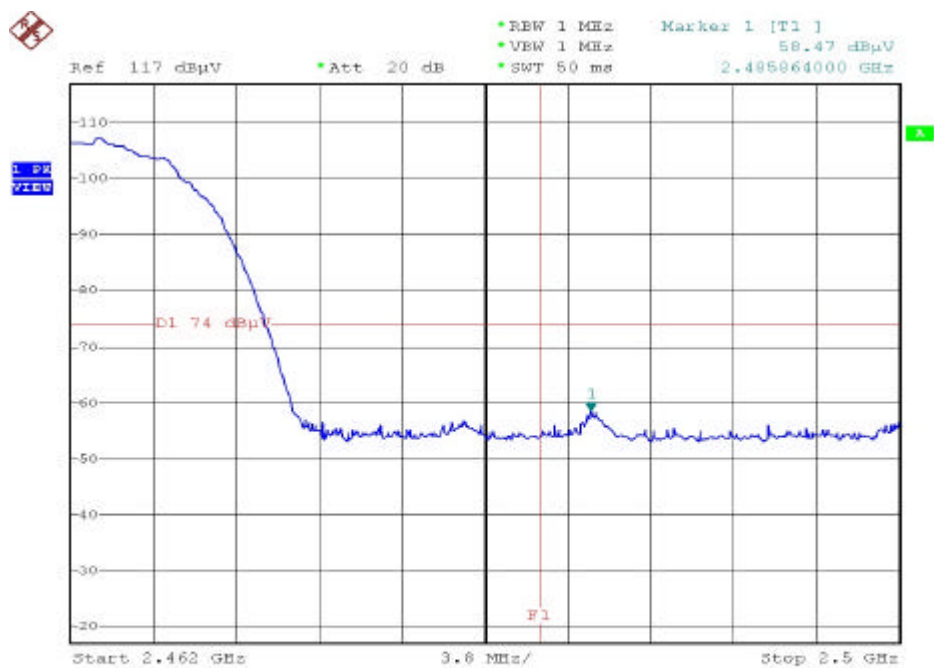
Pol/Phase: Vertical



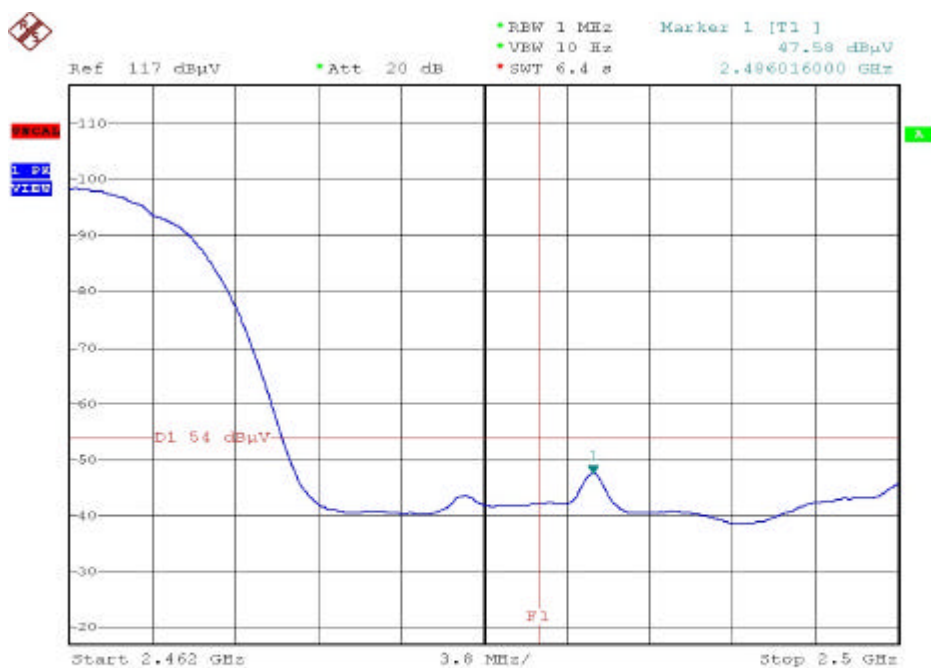
Date: 14.SEP.2004 21:01:11



Date: 14.SEP.2004 21:05:10



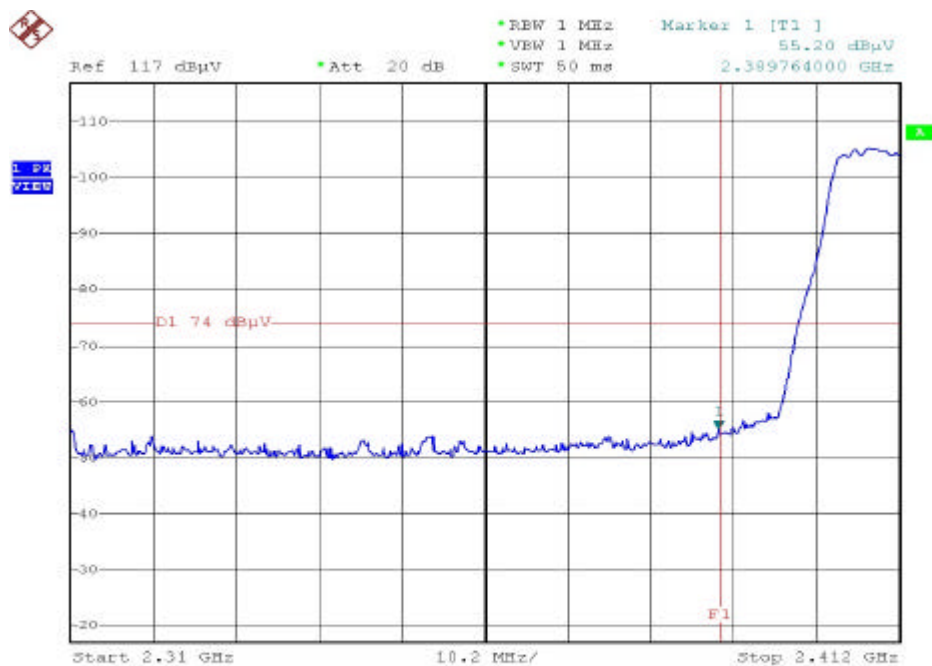
Date: 14.SEP.2004 21:40:23



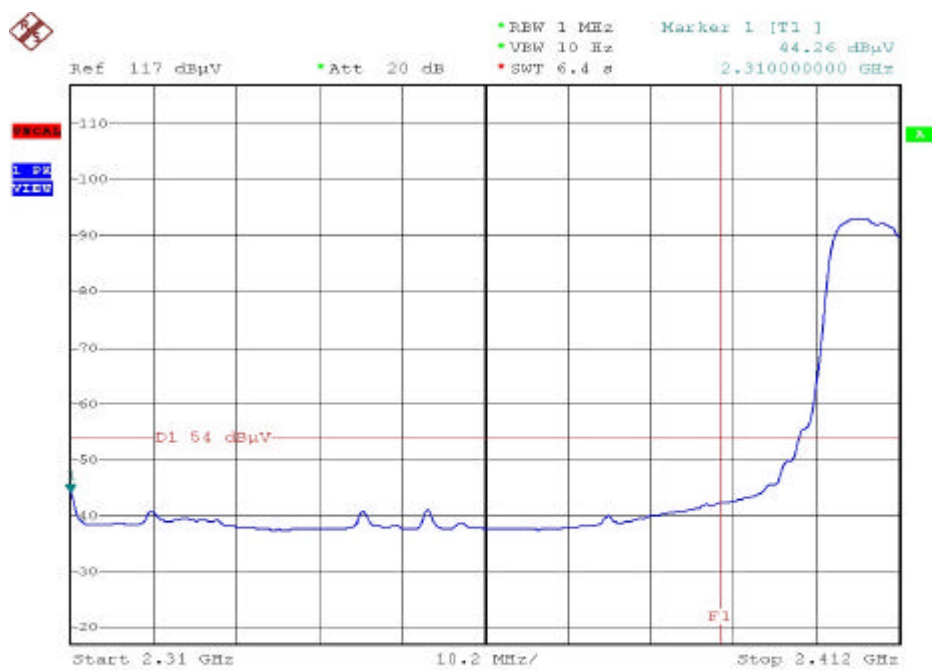
Date: 14.SEP.2004 21:37:15

Modulation Standard: IEEE 802.11g

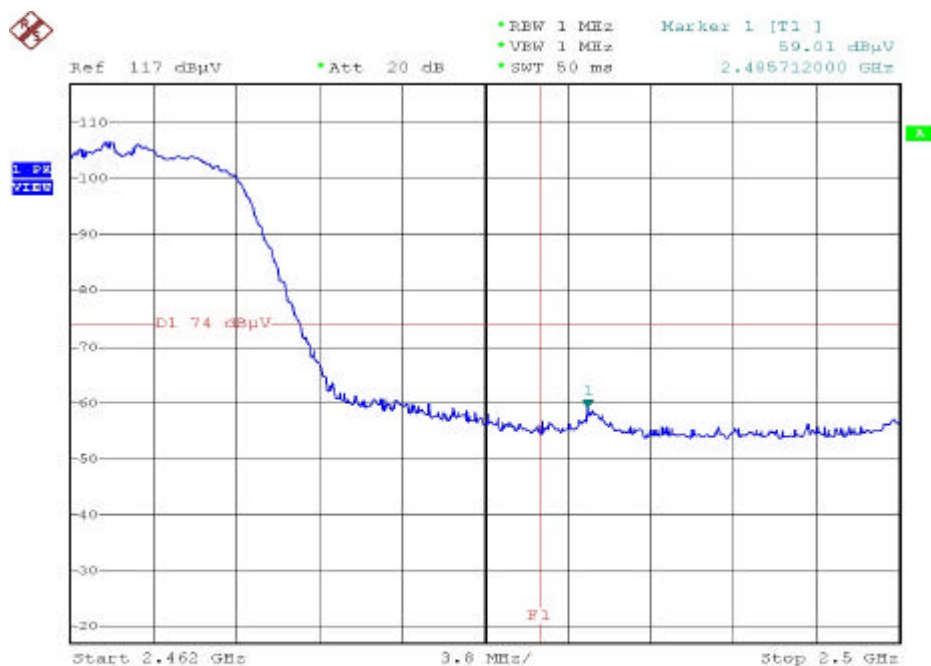
Pol/Phase: Vertical



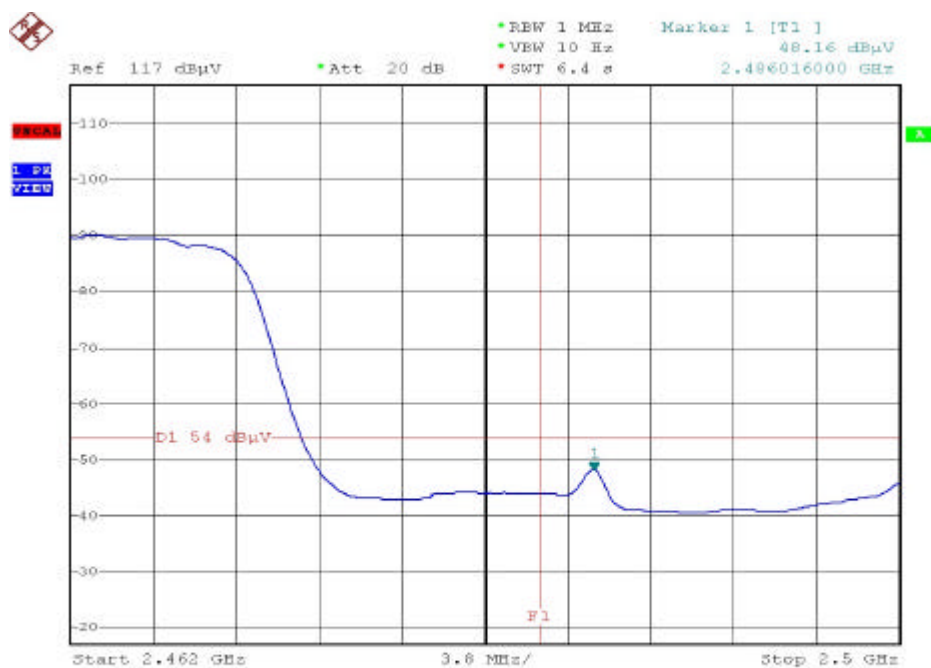
Date: 14.SEP.2004 21:10:42



Date: 14.SEP.2004 21:15:55



Date: 14.SEP.2004 21:31:38



Date: 14.SEP.2004 21:34:22

4.7. Power Spectral Density Measurement Data

(1) Modulation Standard: IEEE 802.11b

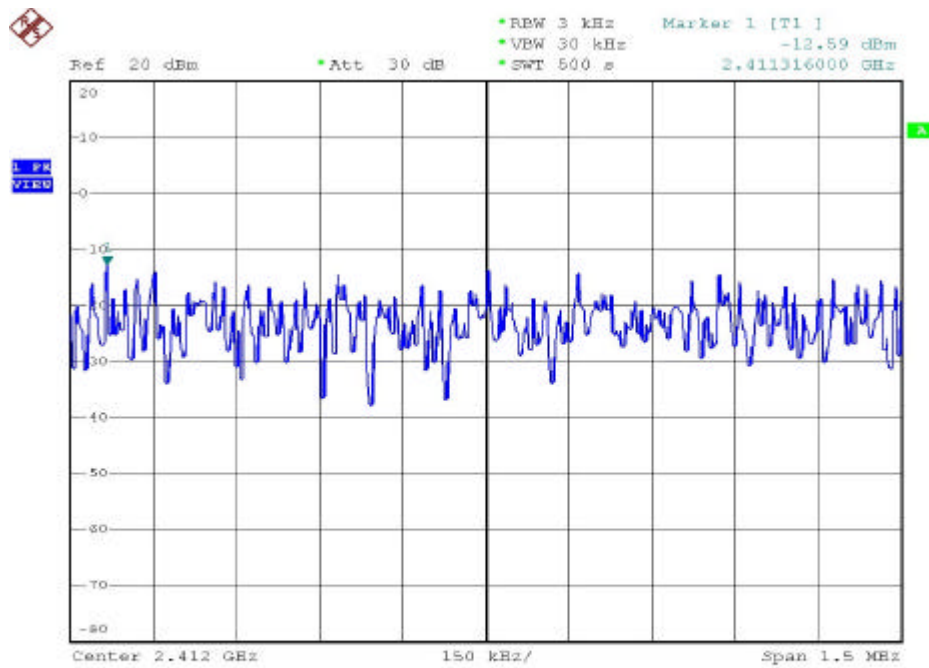
Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -12.59 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -11.91 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -11.75 dBm

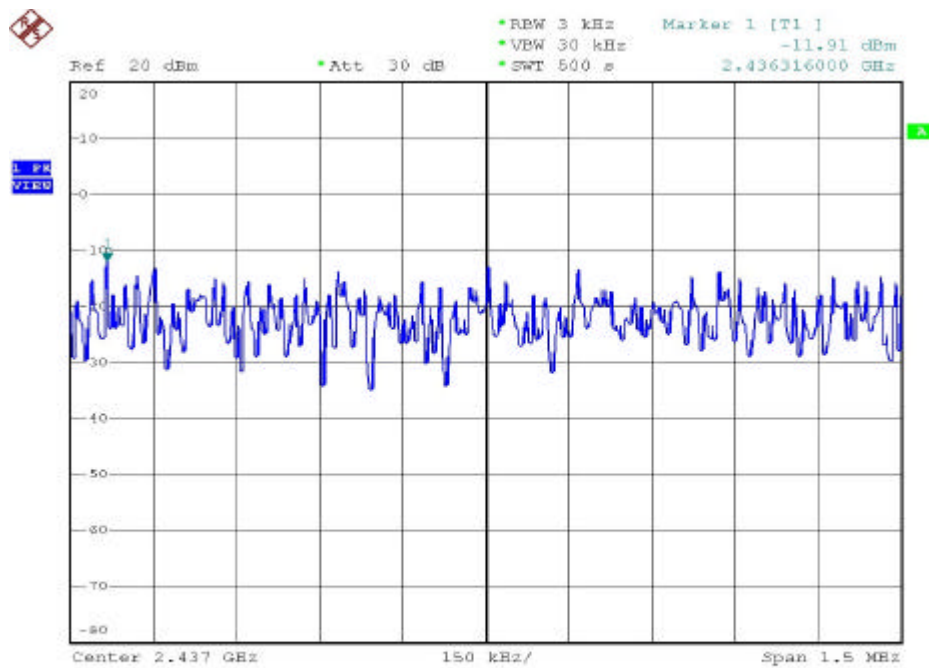
(2) Modulation Standard: IEEE 802.11g

Test Date: Sep. 8, 2004 Temperature: 24°C Humidity: 62%

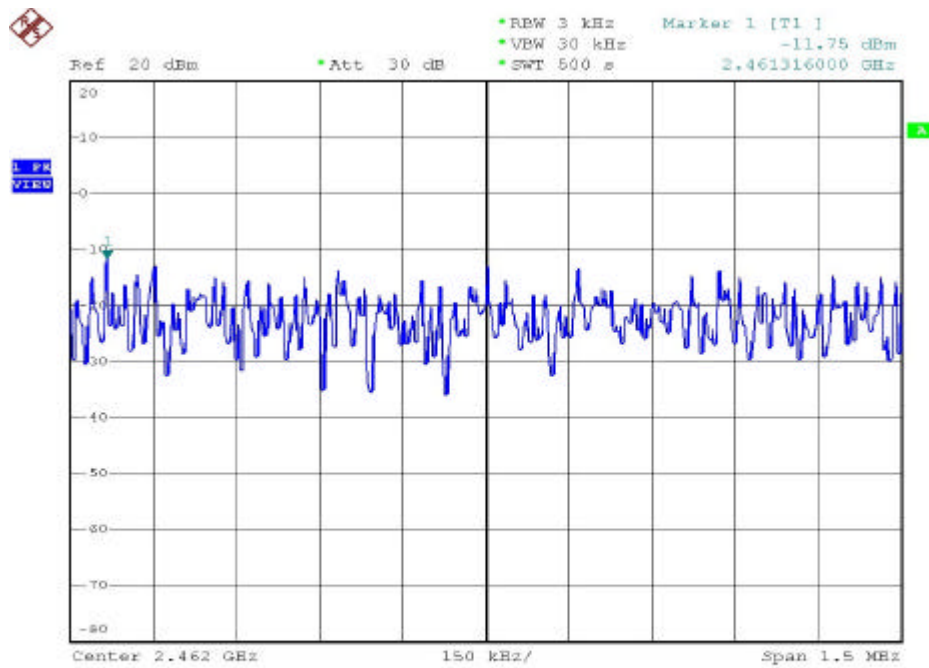
- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -20.39 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -18.85 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -18.50 dBm



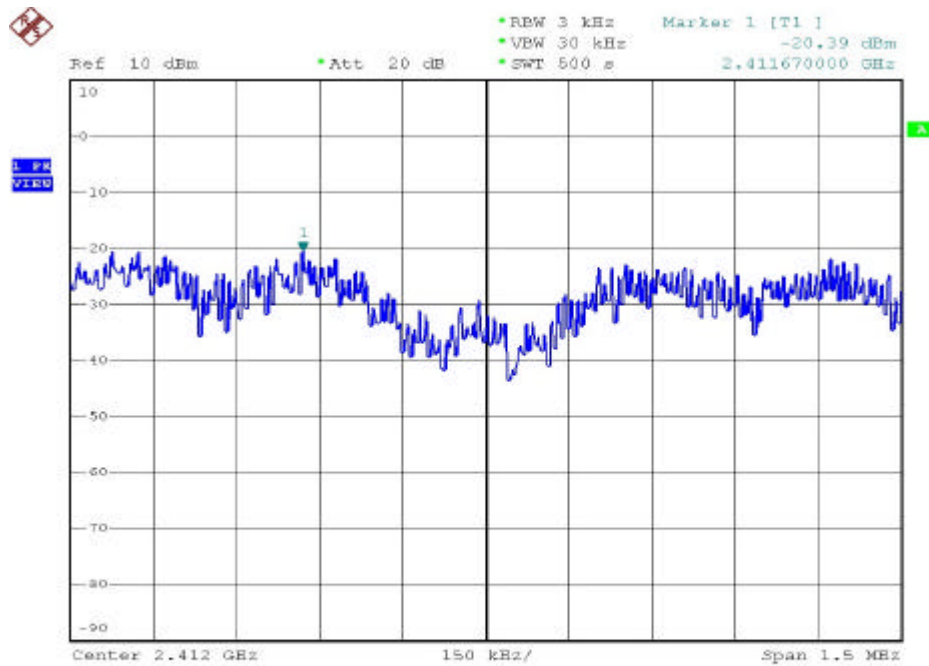
Date: 8.SEP.2004 17:54:17



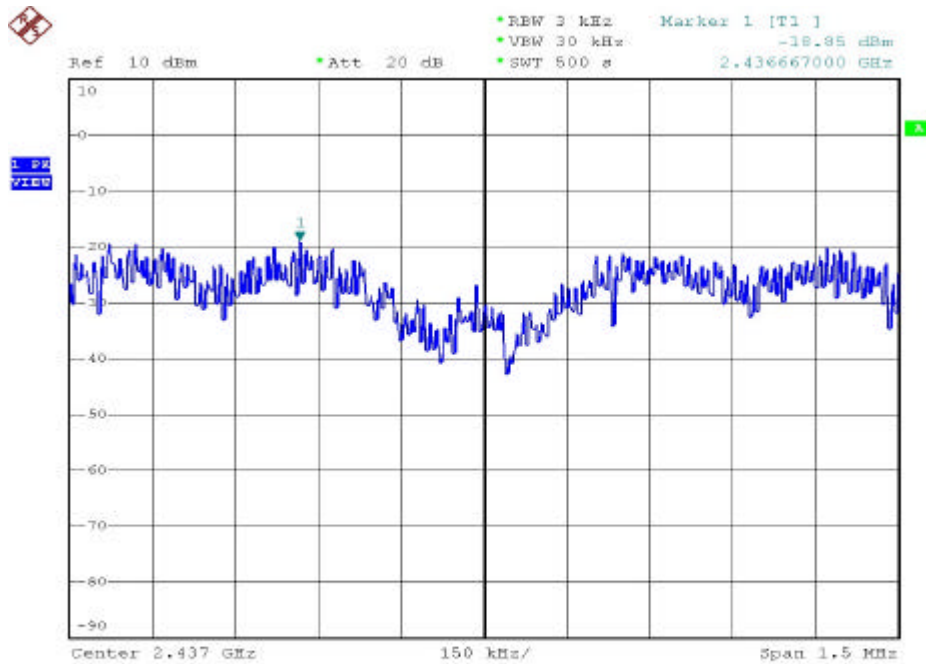
Date: 8.SEP.2004 18:26:28



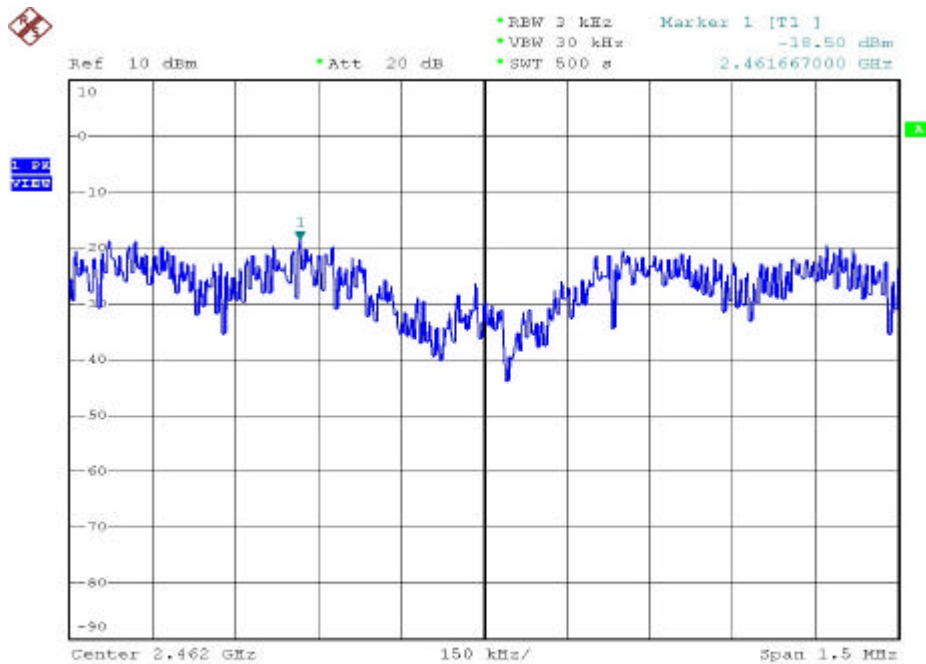
Date: 8.SEP.2004 18:15:04



Date: 9.SEP.2004 09:49:09



Date: 9.SEP.2004 10:01:32



Date: 9.SEP.2004 10:16:07

5. List of Measuring Equipment Used

No	Instrument/Ancillary	Type	Manufacturer	Serial No.	Valid Date.
1	Bilog Antenna	CBL6111C	Schaffner	2762	2004/11/03
2	Preamplifier	RFP4002	Schaffner	010	2004/11/03
3	Receiver	SCR3501	Schaffner	437	2004/11/03
4	Signal Generator	8648B	HP	3629U00612	2006/02/09
5	Spectrum Analyzer	8594E	HP	3520A01913	2005/01/15
6	Amplifier	8447D	Agilent	2944A10593	2004/10/09
7	Amplifier	8447D	Agilent	2944A10531	2005/06/30
8	Series Power Meter	E4416A	Agilent	GB41292146	2004/11/05
9	Power Sensor	E9327A	Agilent	US40441392	2004/10/06
10	Dipole Antenna	AD-100	COM-Power	721011	2004/12/02
11	Dipole Antenna	AD-100	COM-Power	721010	2004/12/02
12	Spectrum Analyzer	R3131A	Advantest	131000021	2004/11/24
13	Spectrum Analyzer	FSP40	R&S	100047	2004/12/16
14	Preamplifier	8449B	Agilent	3008A01954	2005/01/04
15	Horn Antenna	3115	EMCO	31601	2005/01/13
16	Horn Antenna	3115	EMCO	31589	2005/01/13
17	Horn Antenna	3116	EMCO	31970	2005/01/29
18	Horn Antenna	3116	EMCO	31974	2005/01/29
19	EMI Receiver	8546A	HP	3807A00454	2005/02/12
20	RF Filter Section	85460A	HP	3704A00386	2005/02/12
21	Signal Generator	83640A	HP	2927A00107	2006/04/02
22	Attenuator	8491B	Agilent	50703	2004/12/16
23	Attenuator	8491B	Agilent	50705	2004/12/16
24	Temperature Chamber	TMJ-9712	T Machine	T-12-040111	2005/02/05
25	High Pass Filter	84300-80038	HP	002	N/A
26	High Pass Filter	84300-80038	HP	006	N/A
27	DC Power Supply	GPD-3030	GM	7020936	N/A
28	AC Power Converter	AFC-11005	APC	F103120008	N/A