

4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b

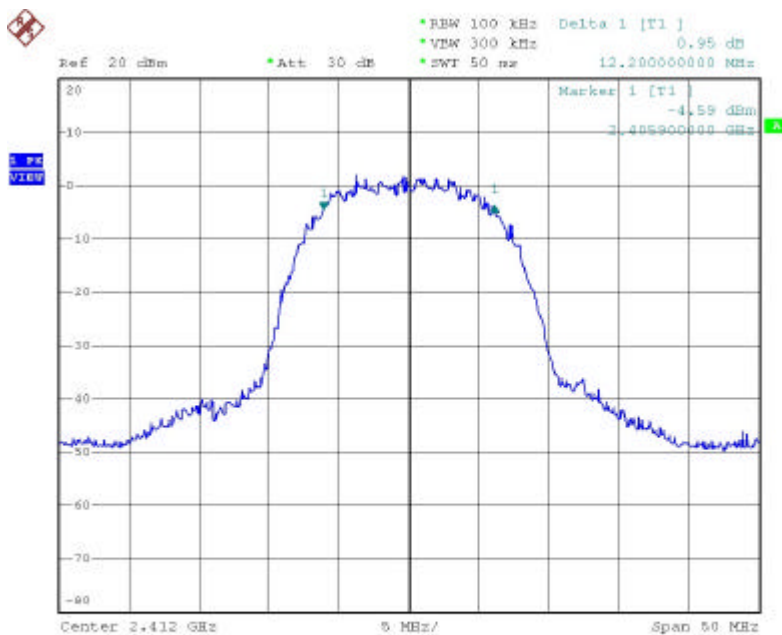
Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

- a) Channel 01: 6dB Emission Bandwidth is 12.2 MHz
- b) Channel 06: 6dB Emission Bandwidth is 12.2 MHz
- c) Channel 11: 6dB Emission Bandwidth is 12.2 MHz

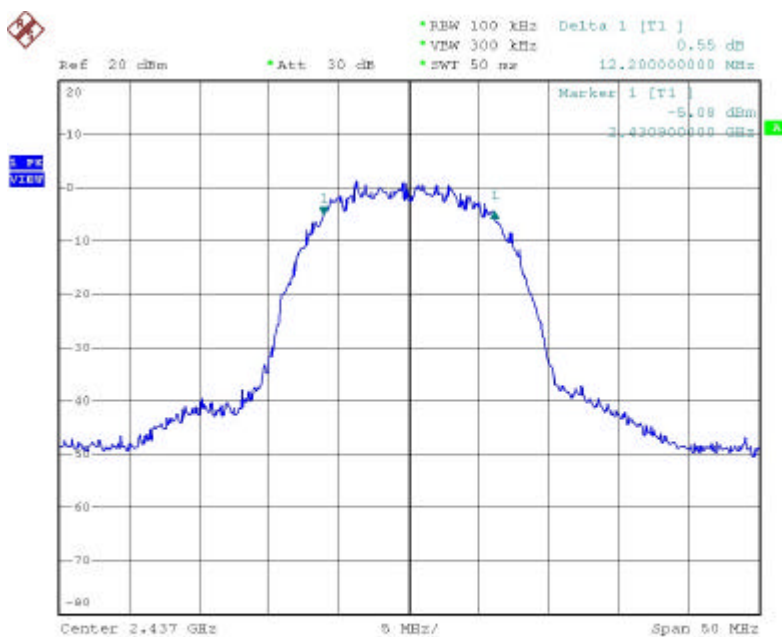
(2) Modulation Standard: IEEE 802.11g

Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

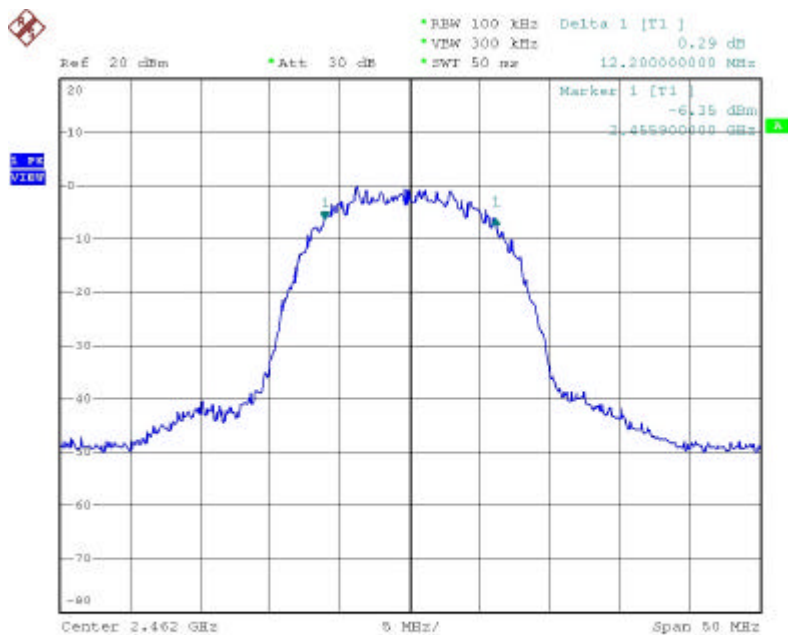
- a) Channel 01: 6dB Emission Bandwidth is 16.5 MHz
- b) Channel 06: 6dB Emission Bandwidth is 16.4 MHz
- c) Channel 11: 6dB Emission Bandwidth is 16.5 MHz



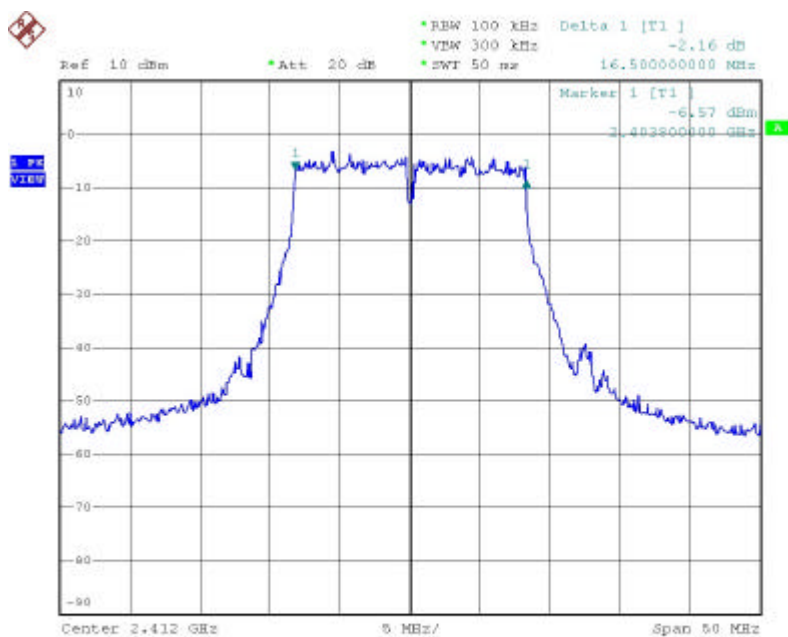
Date: 4.SEP.2004 09:35:02



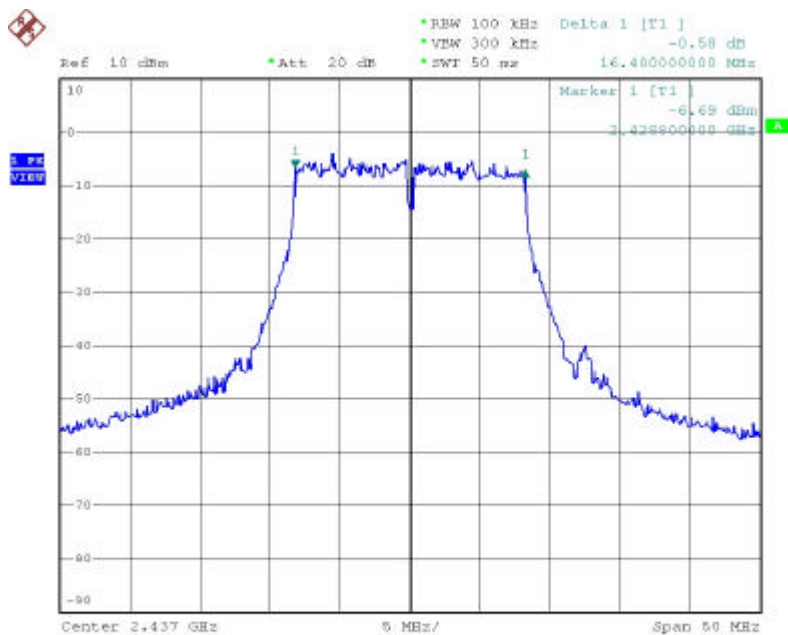
Date: 4.SEP.2004 09:38:10



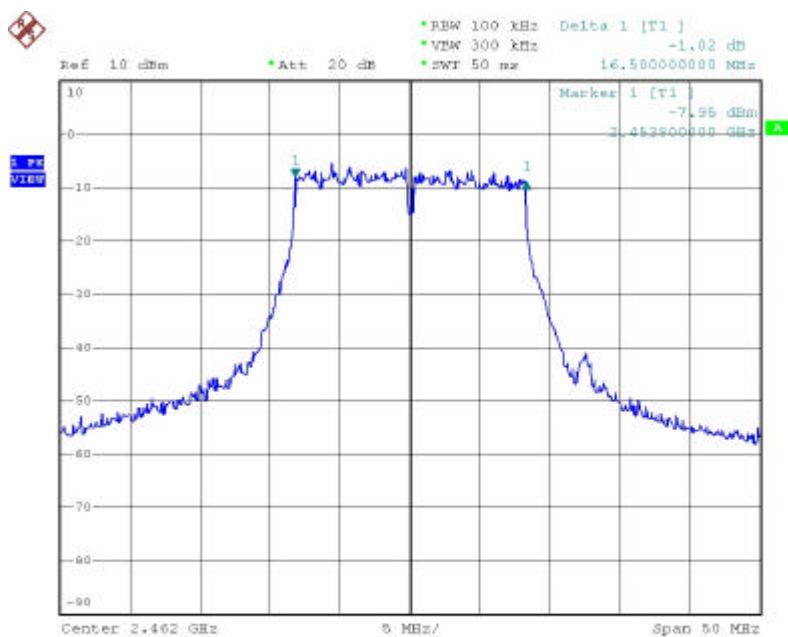
Date: 4.SEP.2004 09:40:55



Date: 4.SEP.2004 09:53:43



Date: 4.SEP.2004 09:55:33



Date: 4.SEP.2004 09:57:27

4.5. Peak Output Power Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

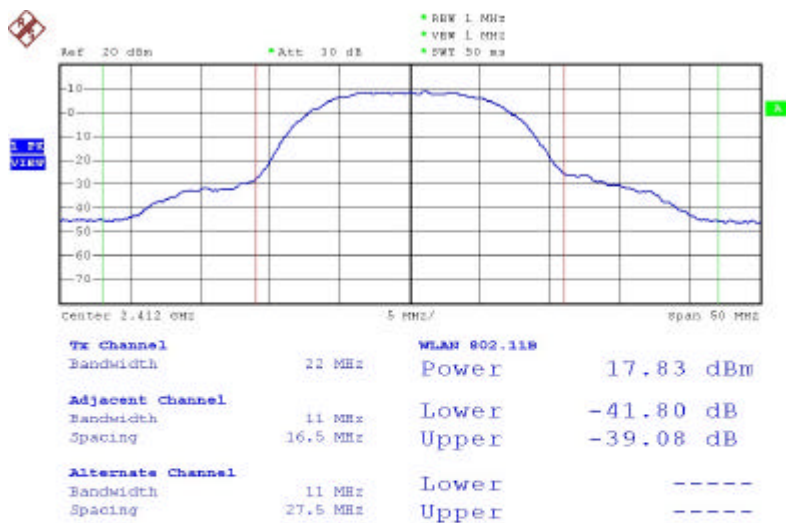
a) Channel 01: Output Peak Power is	<u>17.83</u>	dBm or	<u>60.673</u>	mW
b) Channel 06: Output Peak Power is	<u>17.18</u>	dBm or	<u>52.240</u>	mW
c) Channel 11: Output Peak Power is	<u>16.65</u>	dBm or	<u>46.238</u>	mW

(2) Modulation Standard: IEEE 802.11g

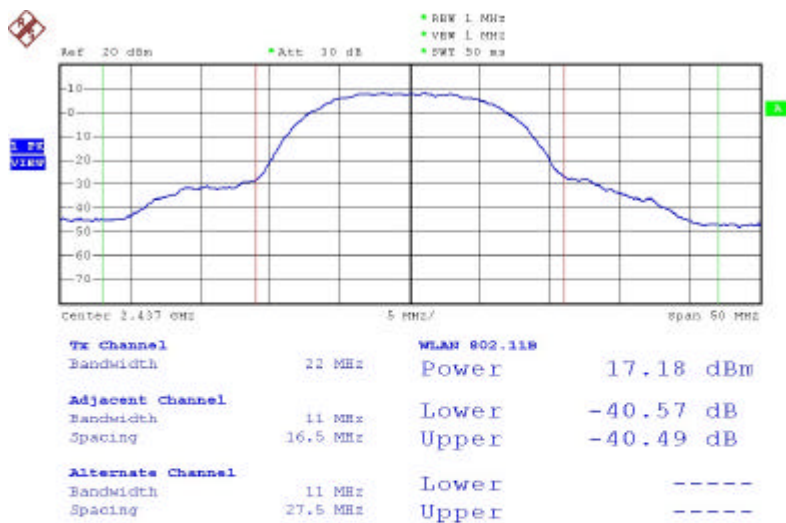
Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

a) Channel 01: Output Peak Power is	<u>13.13</u>	dBm or	<u>20.559</u>	mW
b) Channel 06: Output Peak Power is	<u>12.20</u>	dBm or	<u>16.596</u>	mW
c) Channel 11: Output Peak Power is	<u>10.87</u>	dBm or	<u>12.218</u>	mW

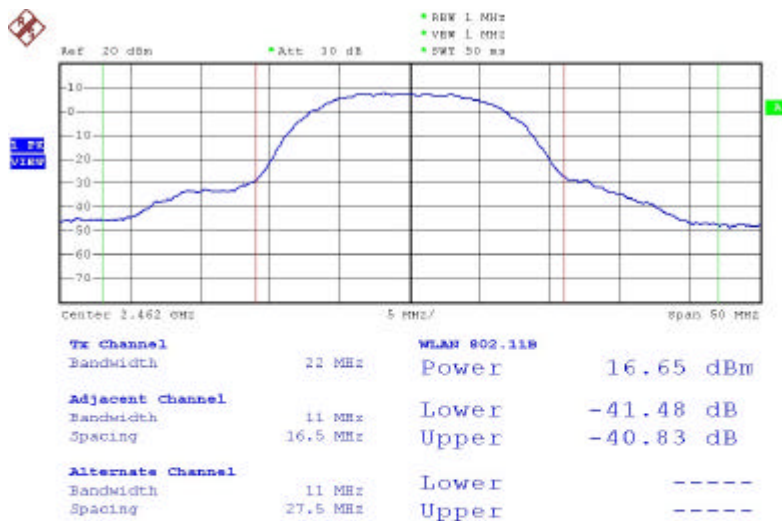
Note: Conducted Power = Reading Value + Cable Loss



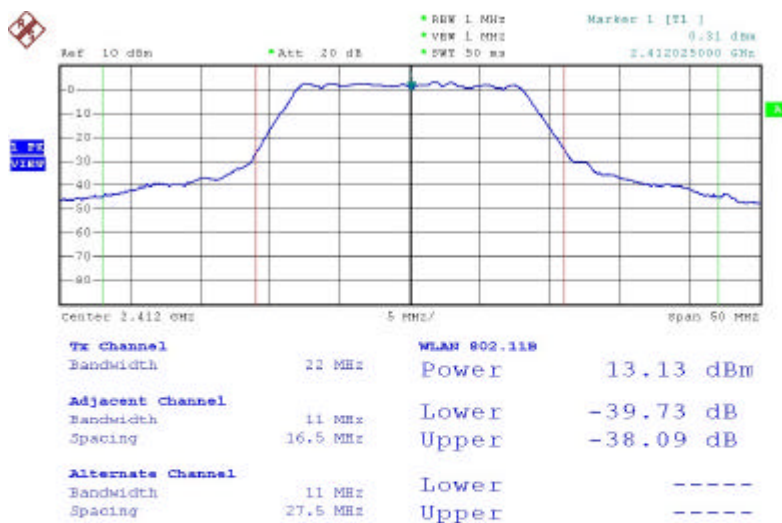
Date: 4.SEP.2004 09:17:11



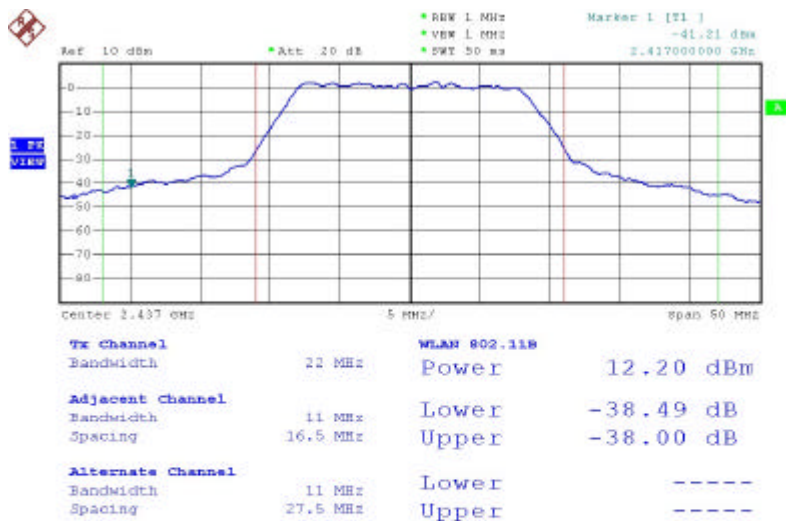
Date: 4.SEP.2004 09:14:16



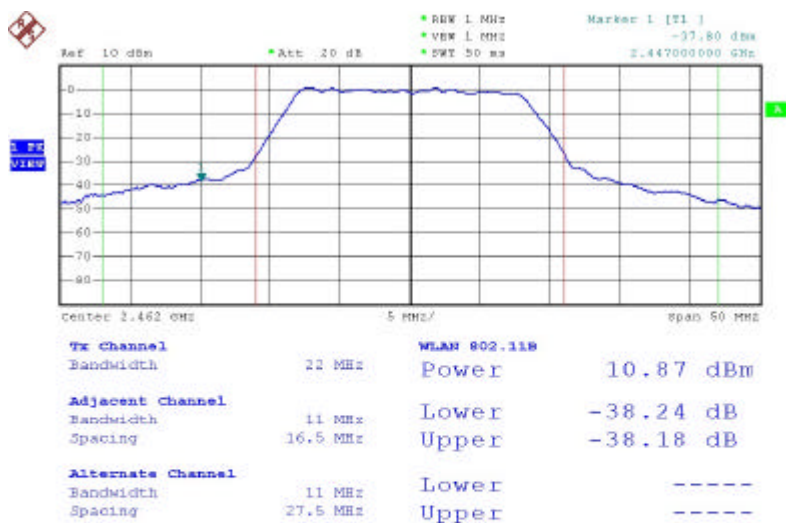
Date: 4.SEP.2004 09:19:24



Date: 4.SEP.2004 14:31:03



Date: 4.SEP.2004 14:53:09



Date: 4.SEP.2004 15:09:48

4.6. Band Edges Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

a) Lower Band Edge: maximum value is -38.39 dBm that is attenuated more than 20dB

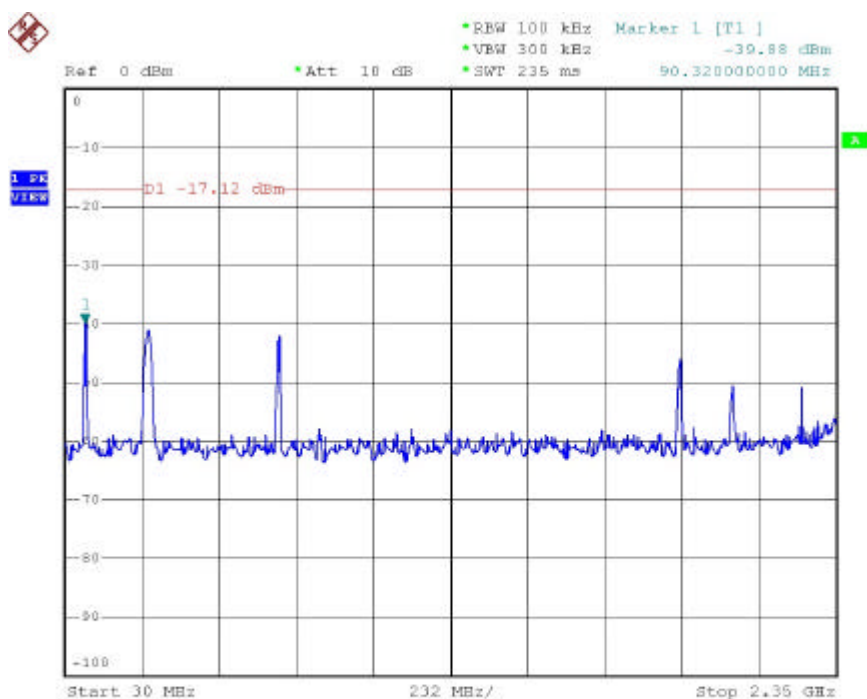
b) Upper Band Edge: maximum value is -46.29 dBm that is attenuated more than 20dB

(2) Modulation Standard: IEEE 802.11g

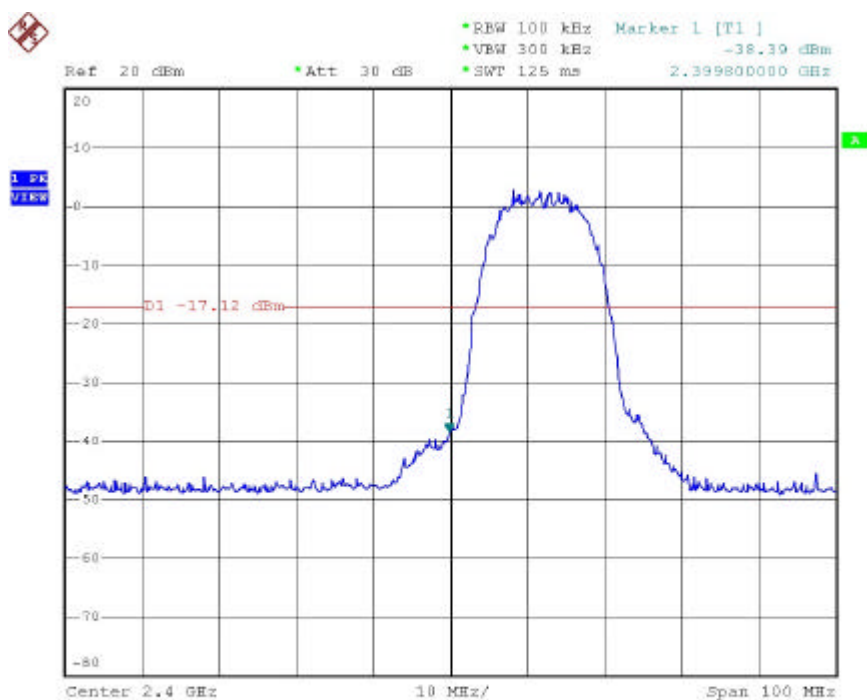
Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

a) Lower Band Edge: maximum value is -41.98 dBm that is attenuated more than 20dB

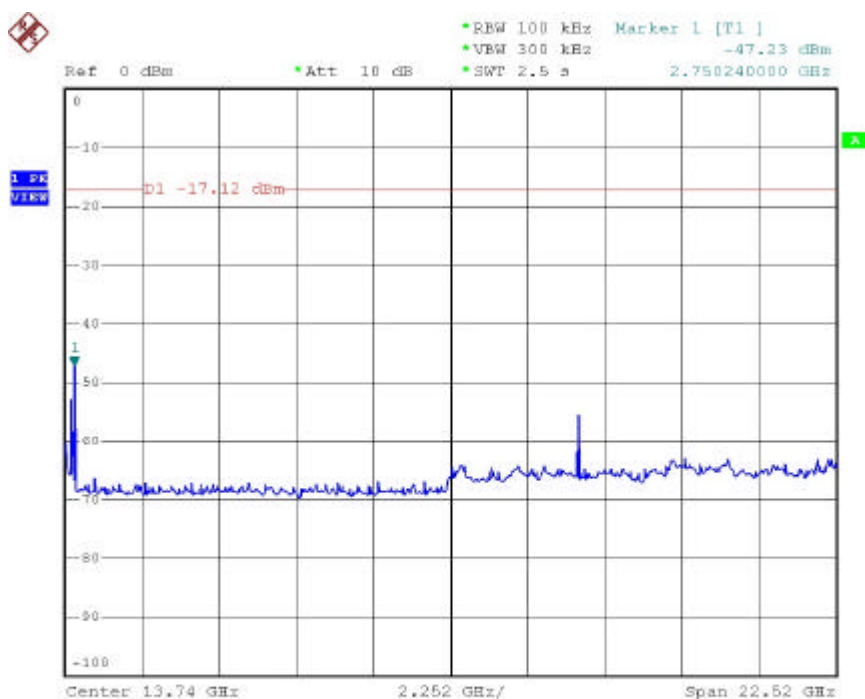
b) Upper Band Edge: maximum value is -50.87 dBm that is attenuated more than 20dB



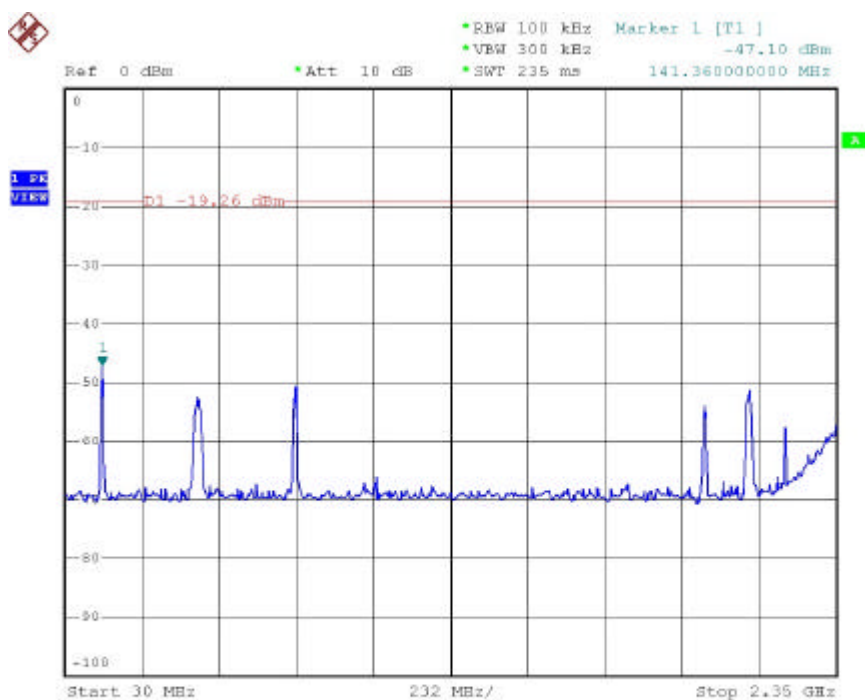
Date: 4.SEP.2004 10:22:11



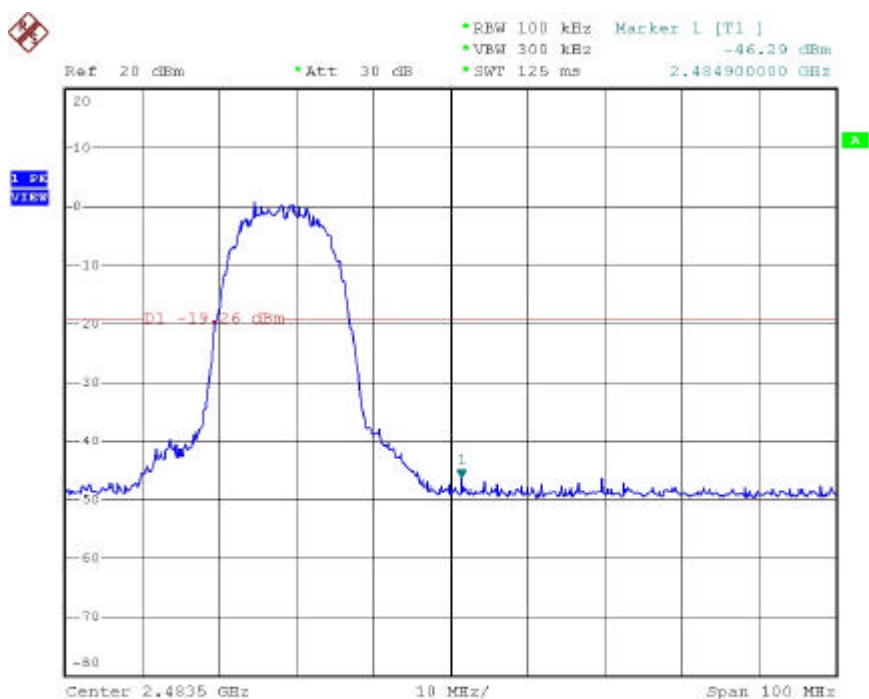
Date: 4.SEP.2004 10:15:46



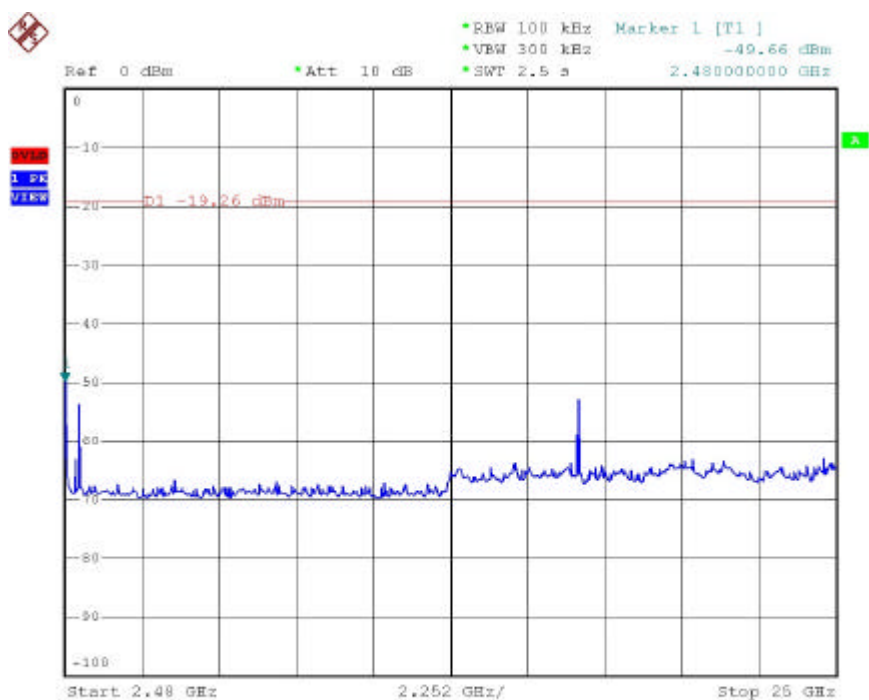
Date: 4.SEP.2004 10:25:25



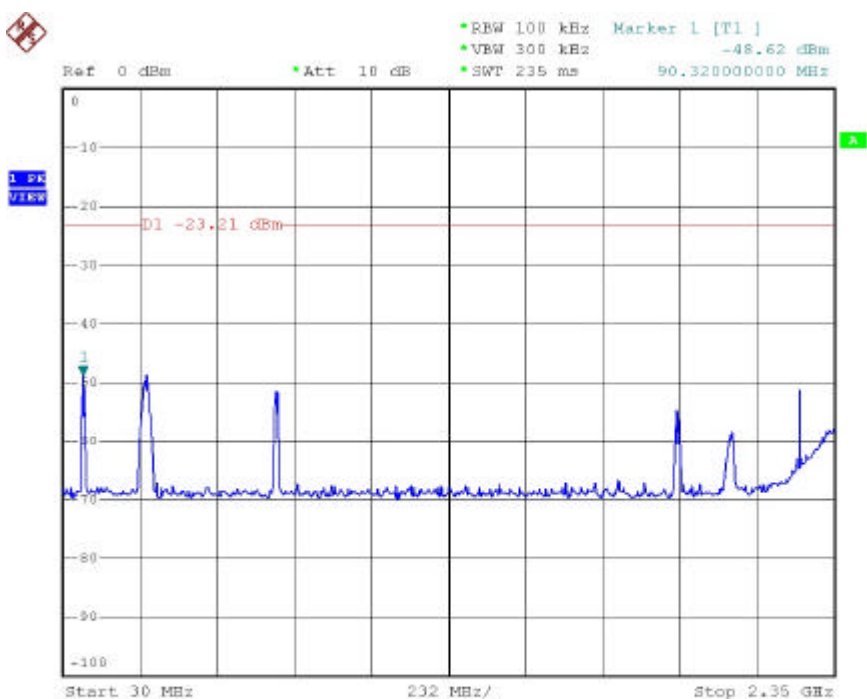
Date: 4.SEP.2004 10:34:46



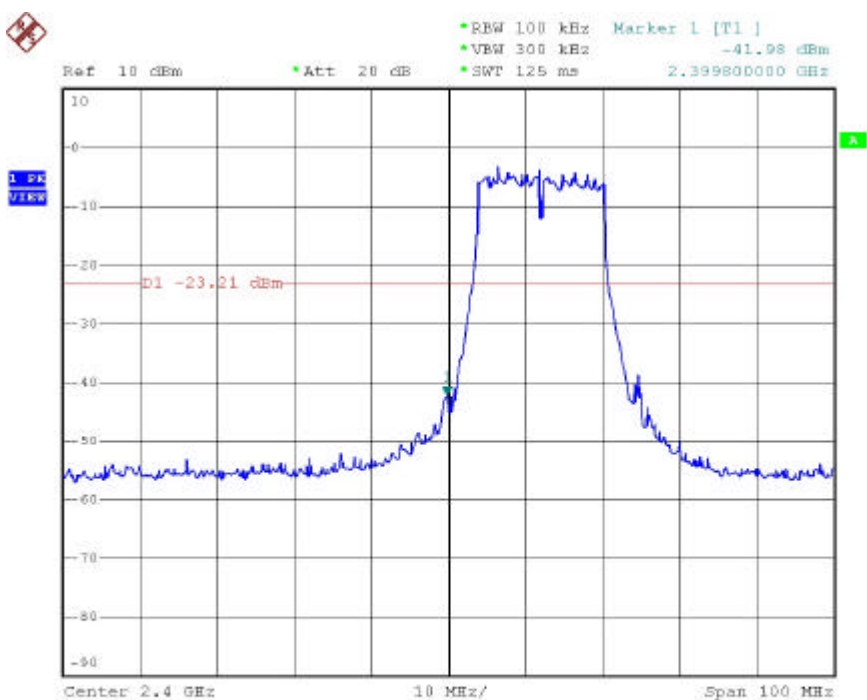
Date: 4.SEP.2004 10:30:50



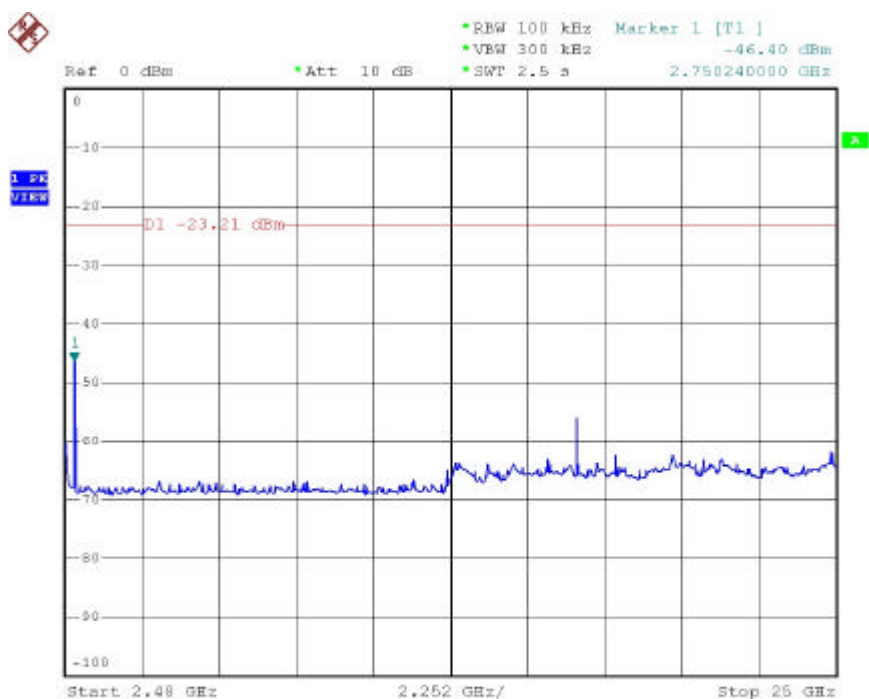
Date: 4.SEP.2004 10:37:36



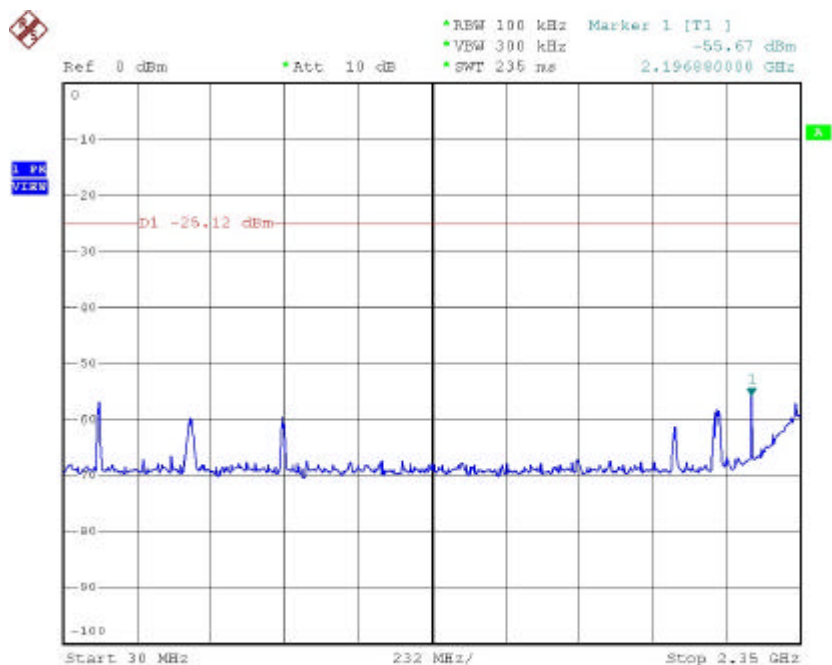
Date: 4.SEP.2004 11:01:51



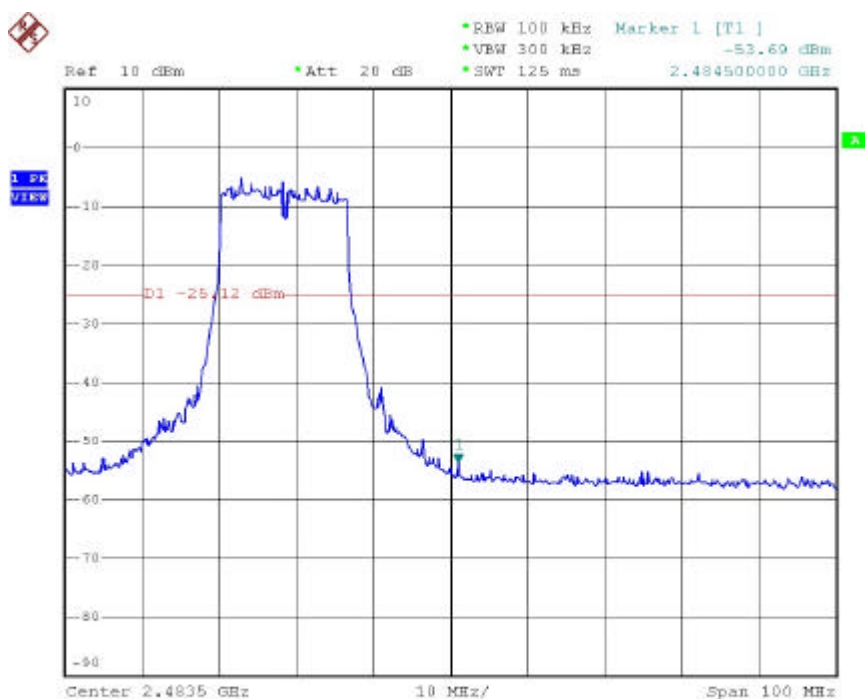
Date: 4.SEP.2004 10:59:02



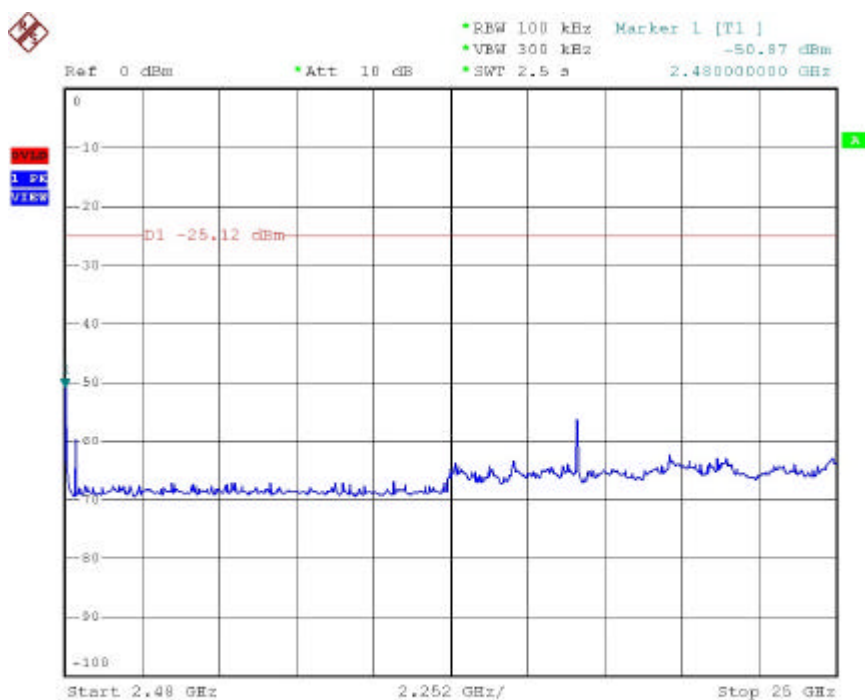
Date: 4.SEP.2004 11:04:15



Date: 4.SEP.2004 11:11:59



Date: 4.SEP.2004 11:08:13



Date: 4.SEP.2004 11:14:44

4.6.1. Note on Band edge Emission

Modulation Standard: IEEE 802.11b

Test Date: Sep. 05, 2004 Temperature: 24 Humidity: 63%

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.			
2357.940	54.30	H	Peak	74	54	-19.70	172	1.0
2357.940	40.41	H	Ave.	74	54	-13.59	182	1.0
2358.348	52.11	V	Peak	74	54	-21.89	175	1.0
2358.348	---	V	Ave.	74	54	---	---	---

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.			
2492.124	46.72	H	Peak	74	54	-27.28	192	1.0
2492.124	---	H	Ave.	74	54	---	---	---
2485.484	46.72	V	Peak	74	54	-27.54	185	1.0
2485.484	---	V	Ave.	74	54	---	---	---

Modulation Standard: IEEE 802.11g

Test Date: Sep. 05, 2004 Temperature: 24 Humidity: 63%

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.			
2367.528	51.61	H	Peak	74	54	-22.39	164	1.0
2367.528	---	H	Ave.	74	54	---	---	---
2363.040	50.99	V	Peak	74	54	-23.01	171	1.0
2363.040	---	V	Ave.	74	54	---	---	---

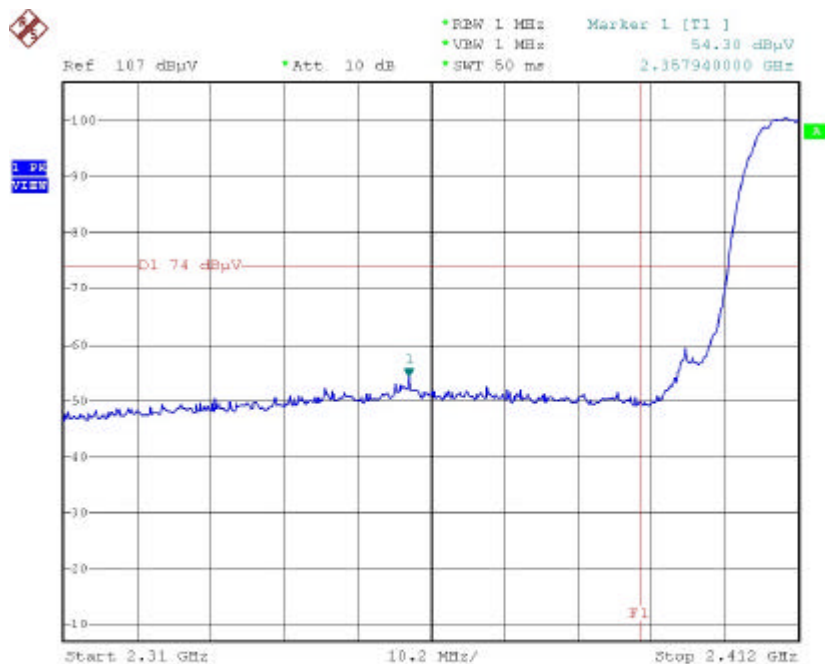
b) Channel 11

Fundamental Frequency: 2462 MHz

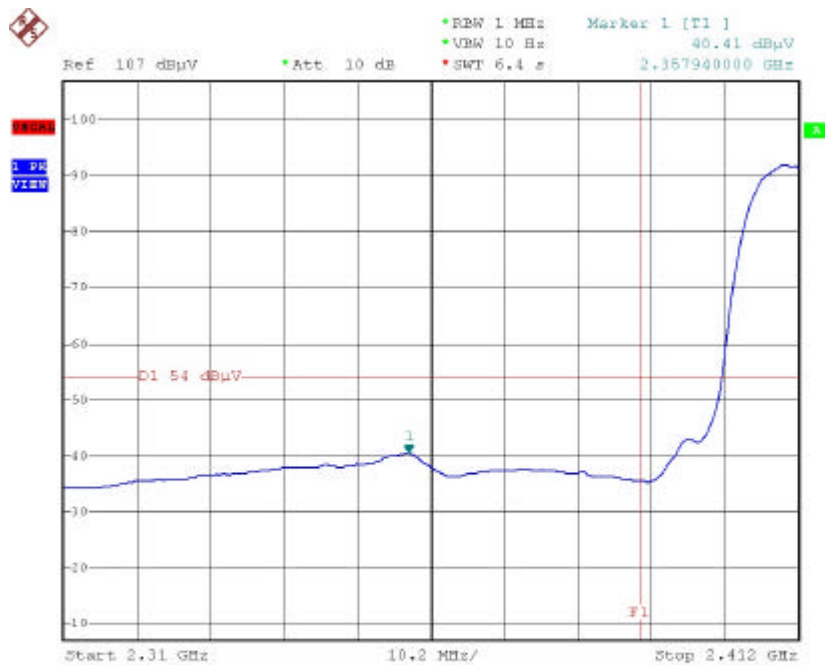
Frequency (MHz)	Level (dBuV)	Polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2484.572	46.79	H	Peak	74	54	-27.21	180	1.0
2484.572	---	H	Ave.	74	54	---	---	---
2484.040	45.29	V	Peak	74	54	-28.71	179	1.0
2484.040	---	V	Ave.	74	54	---	---	---

Modulation Standard: IEEE 802.11b

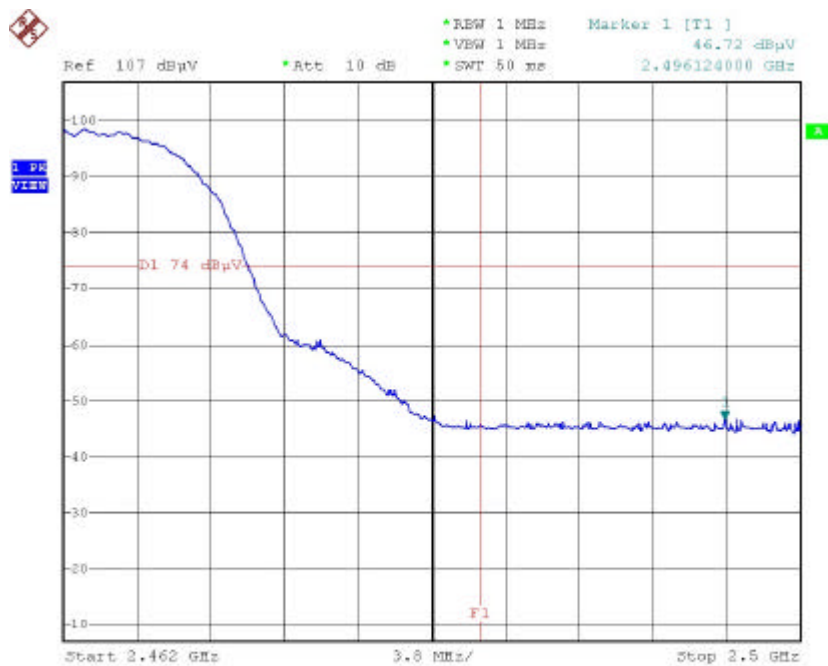
Pol/Phase: Horizontal



Date: 5.SEP.2004 15:14:37

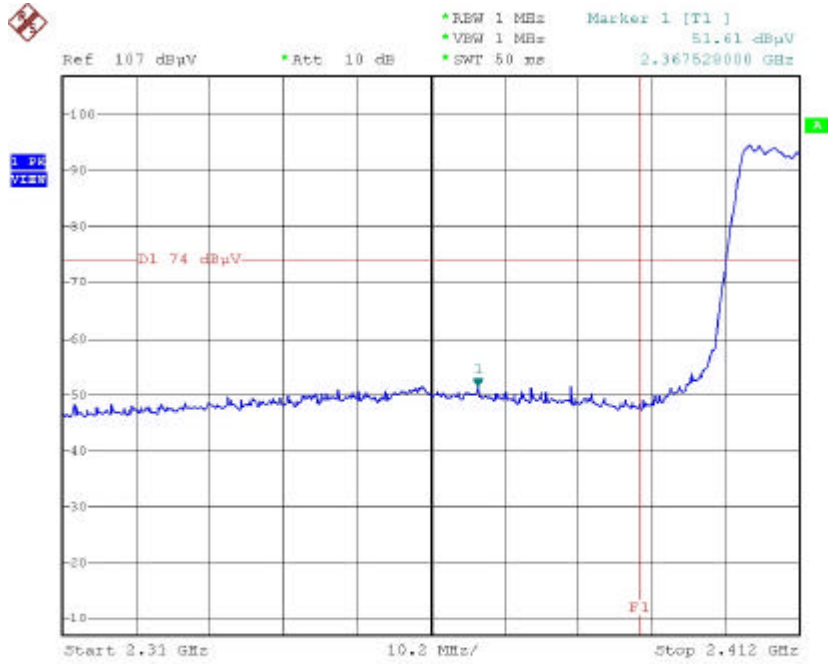


Date: 5.SEP.2004 15:17:14

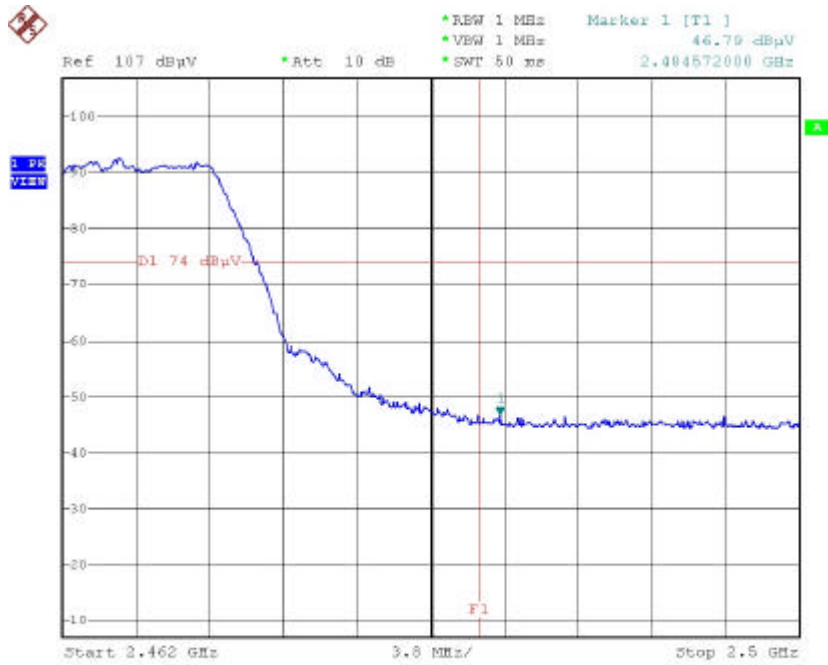


Date: 5.SEP.2004 15:26:49

Modulation Standard: IEEE 802.11g
 Pol/Phase: Horizontal



Date: 5.SEP.2004 15:21:09



Date: 5.SEP.2004 15:24:07

4.7. Power Spectral Density Measurement Data

(1) Modulation Standard: IEEE 802.11b

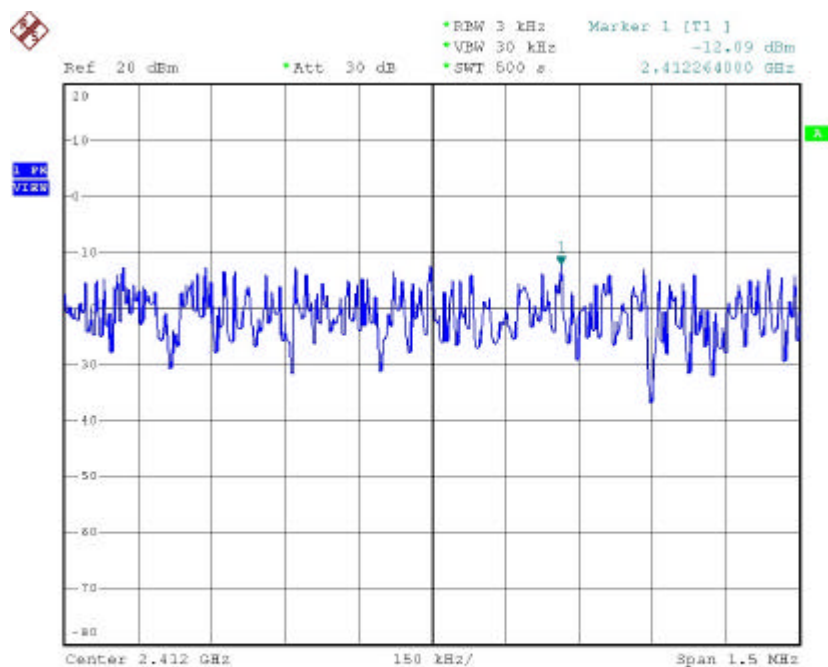
Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -12.09 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -12.97 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -14.28 dBm

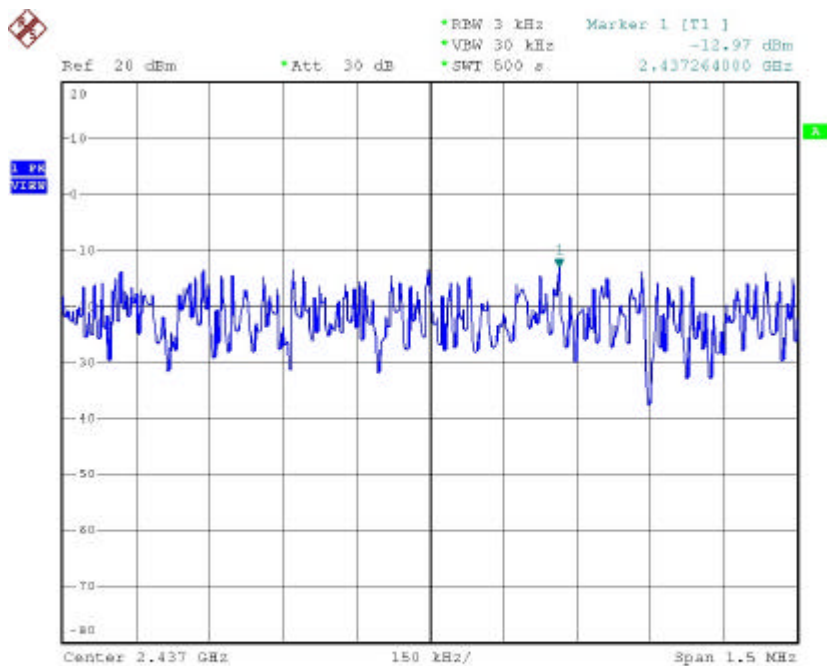
(2) Modulation Standard: IEEE 802.11g

Test Date: Sep. 04, 2004 Temperature: 26 Humidity: 60%

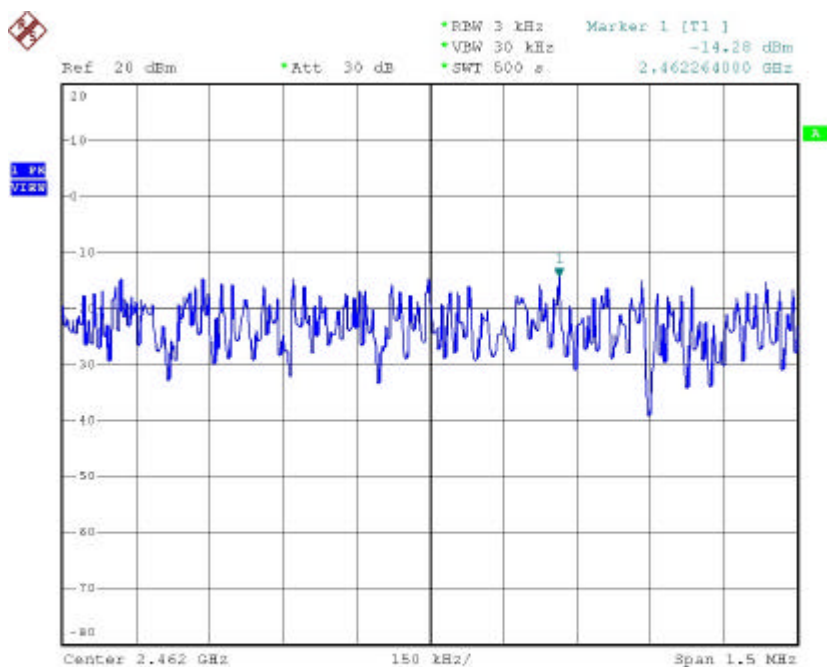
- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -17.70 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -18.55 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -19.67 dBm



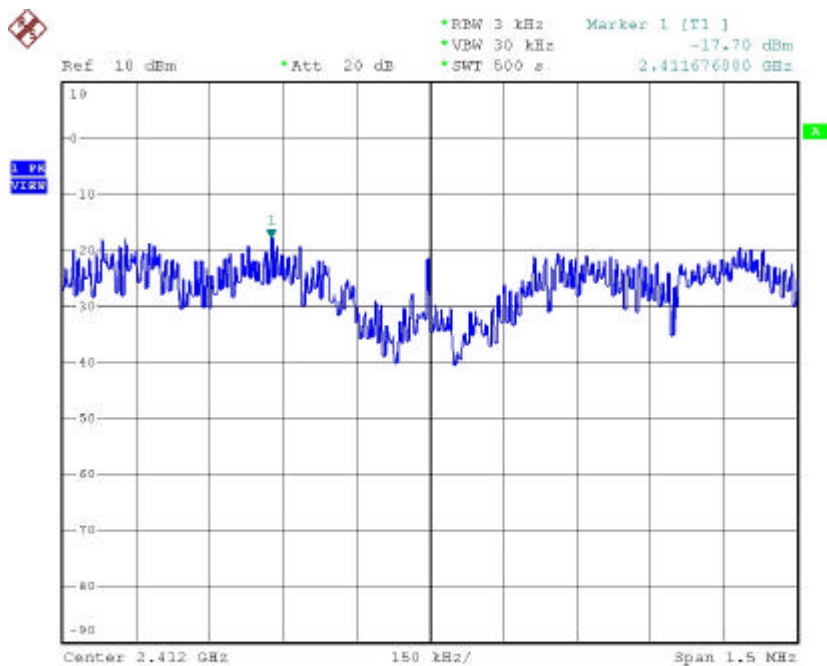
Date: 4.SEP.2004 13:22:46



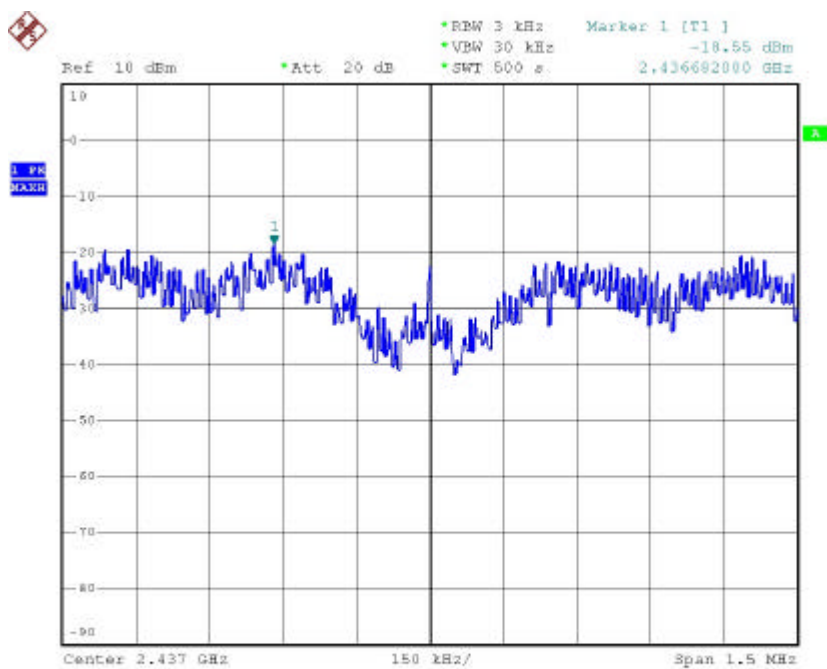
Date: 4.SEP.2004 13:59:16



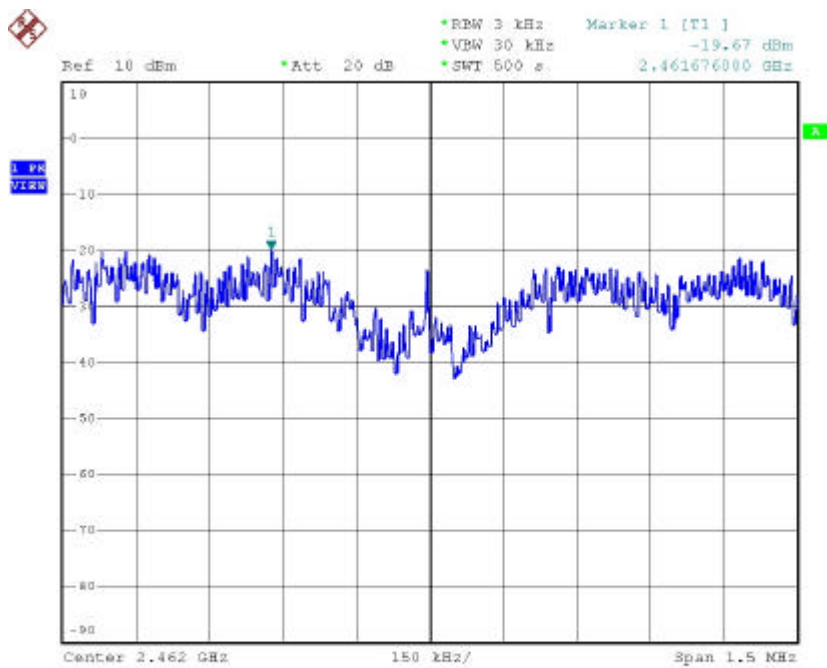
Date: 4.SEP.2004 14:14:56



Date: 4.SEP.2004 12:42:08



Date: 4.SEP.2004 13:00:17



Date: 4.SEP.2004 14:25:00

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