

#### 4.6. Band Edges Measurement Data

(1) Modulation Standard: IEEE 802.11b

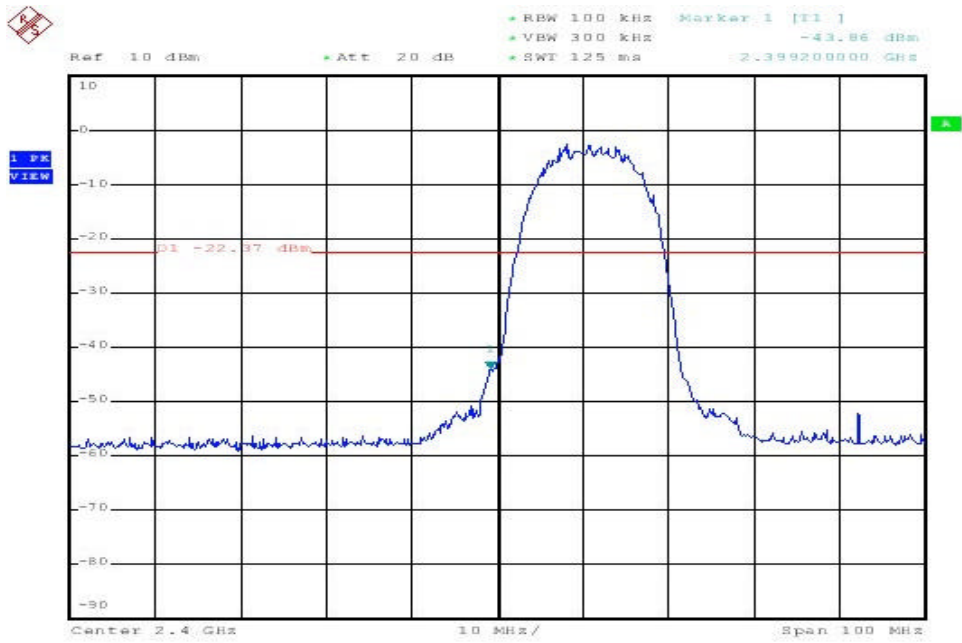
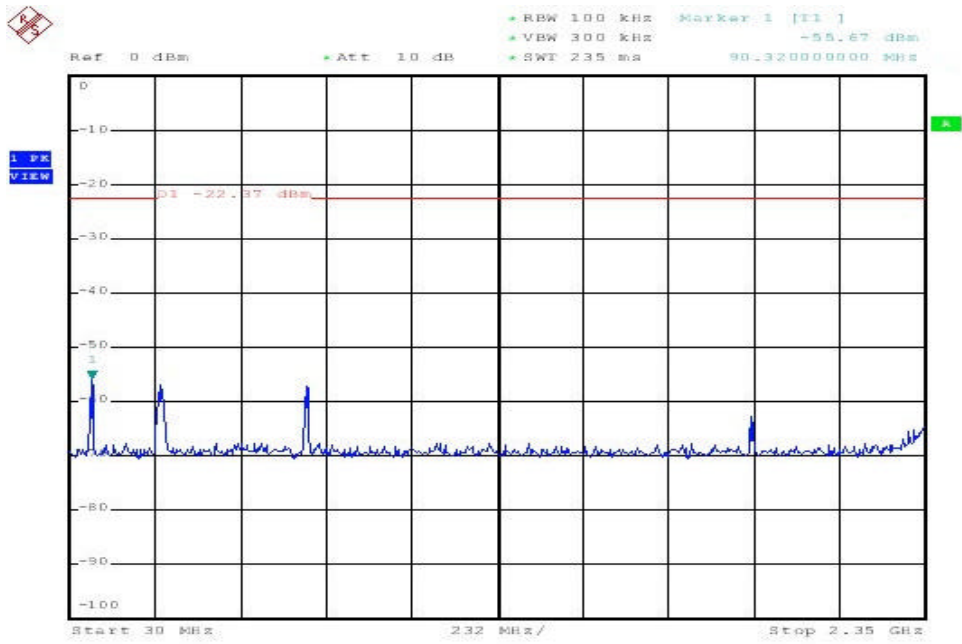
Test Date: Jul. 12, 2004      Temperature: 24      Humidity: 58%

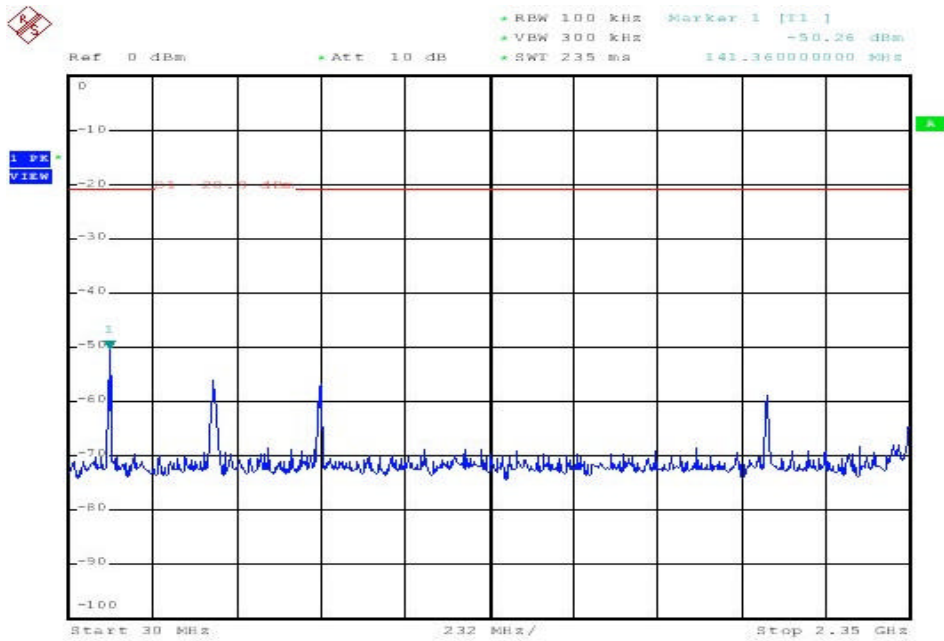
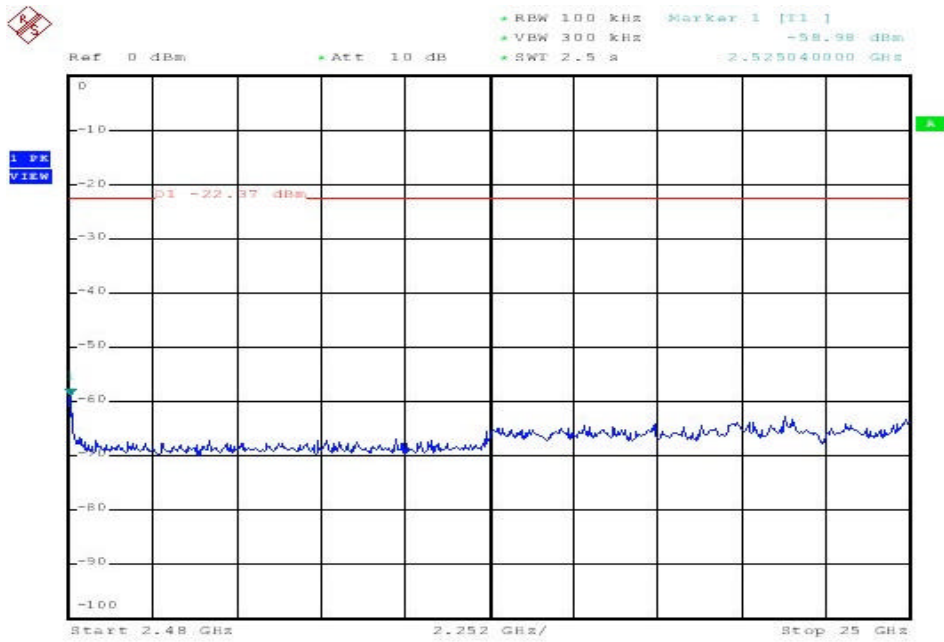
- a) Lower Band Edge: maximum value is -43.86 dBm that is attenuated more than 20dB
- b) Upper Band Edge: maximum value is -50.26 dBm that is attenuated more than 20dB

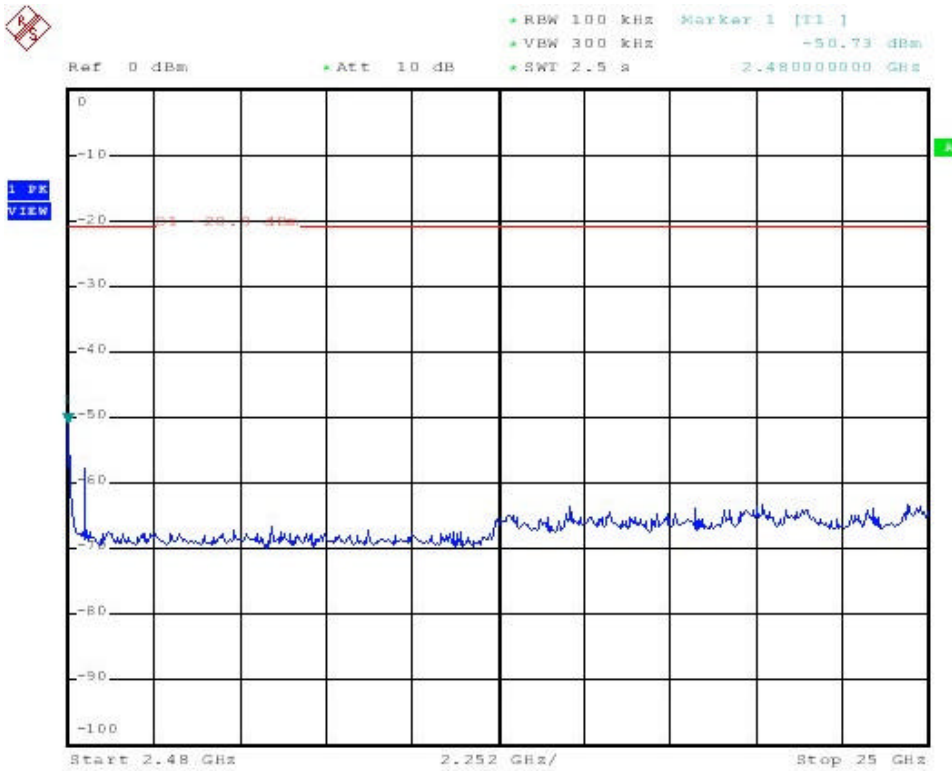
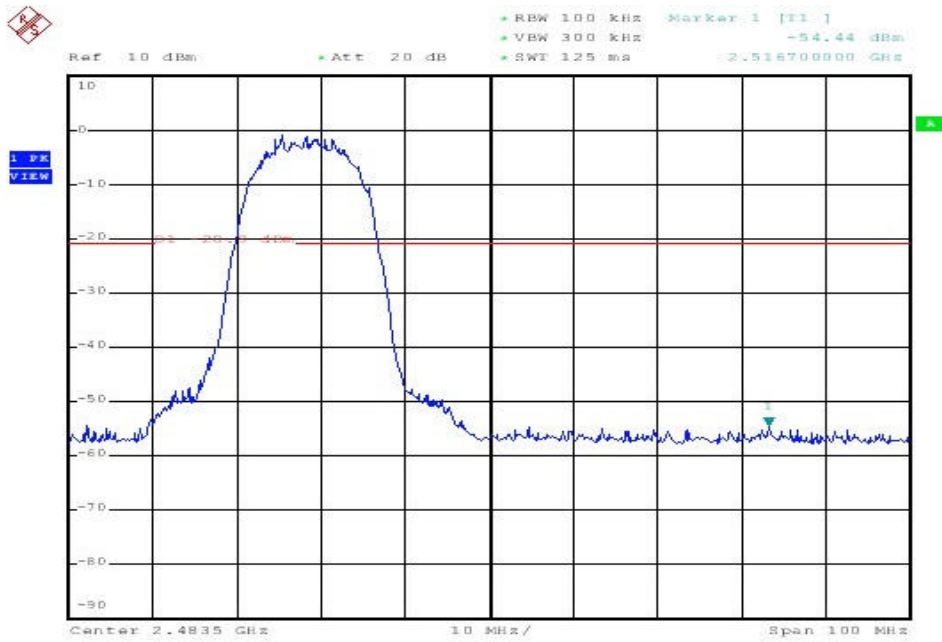
(2) Modulation Standard: IEEE 802.11g

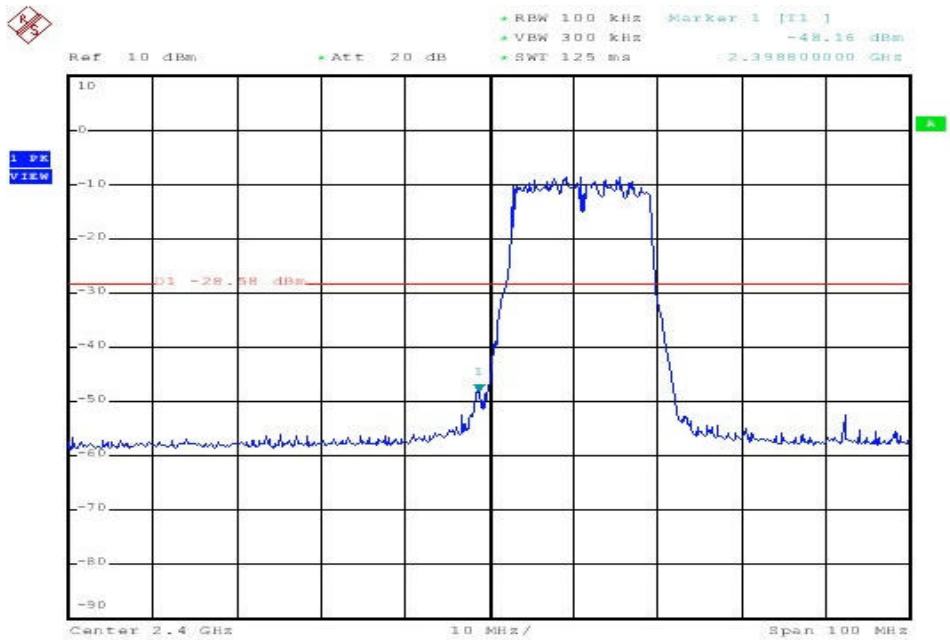
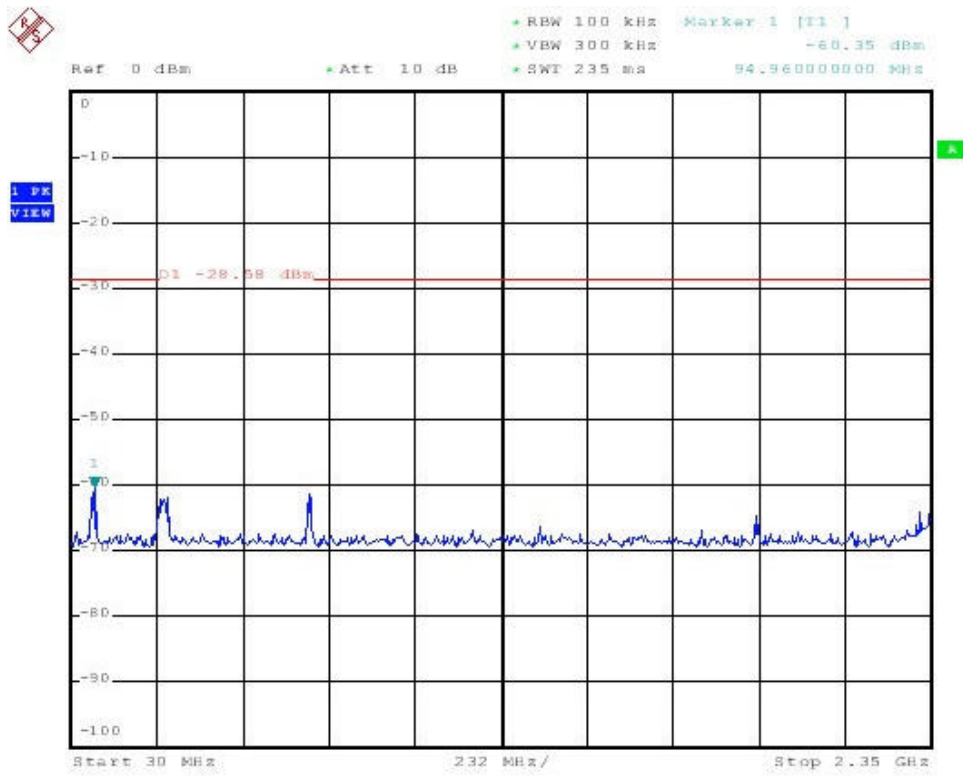
Test Date: Jul. 12, 2004      Temperature: 24      Humidity: 58%

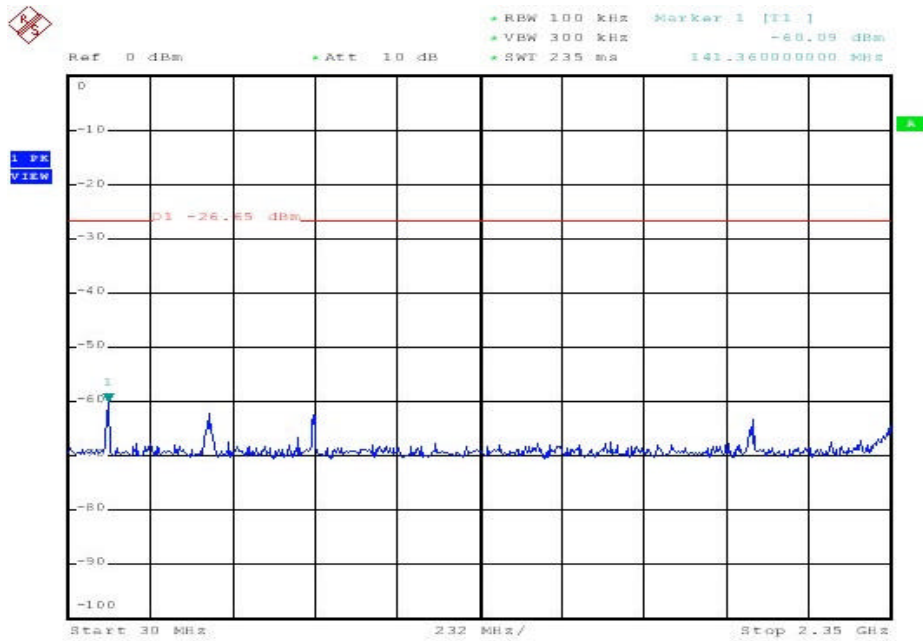
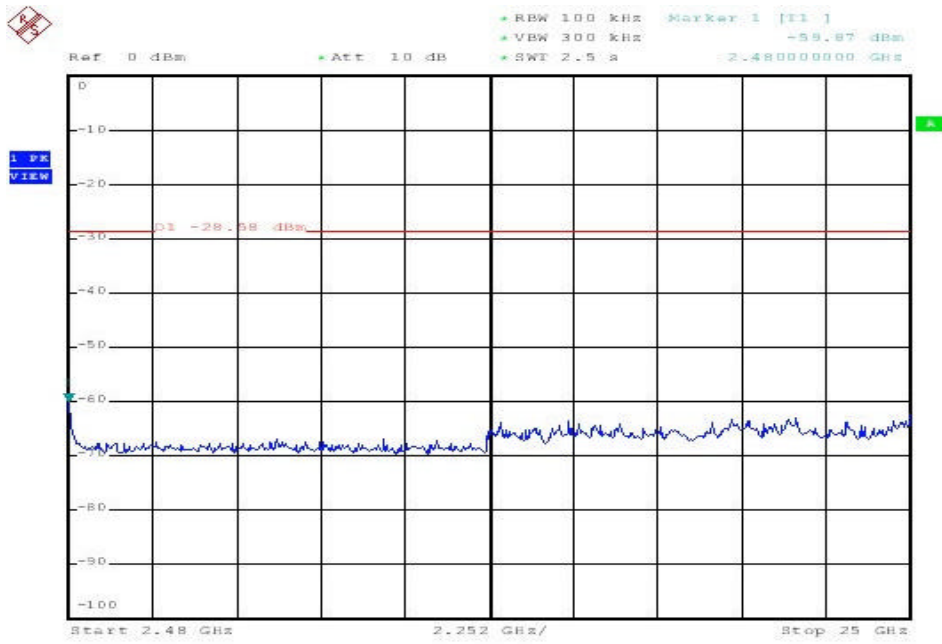
- a) Lower Band Edge: maximum value is -48.16 dBm that is attenuated more than 20dB
- b) Upper Band Edge: maximum value is -55.21 dBm that is attenuated more than 20dB

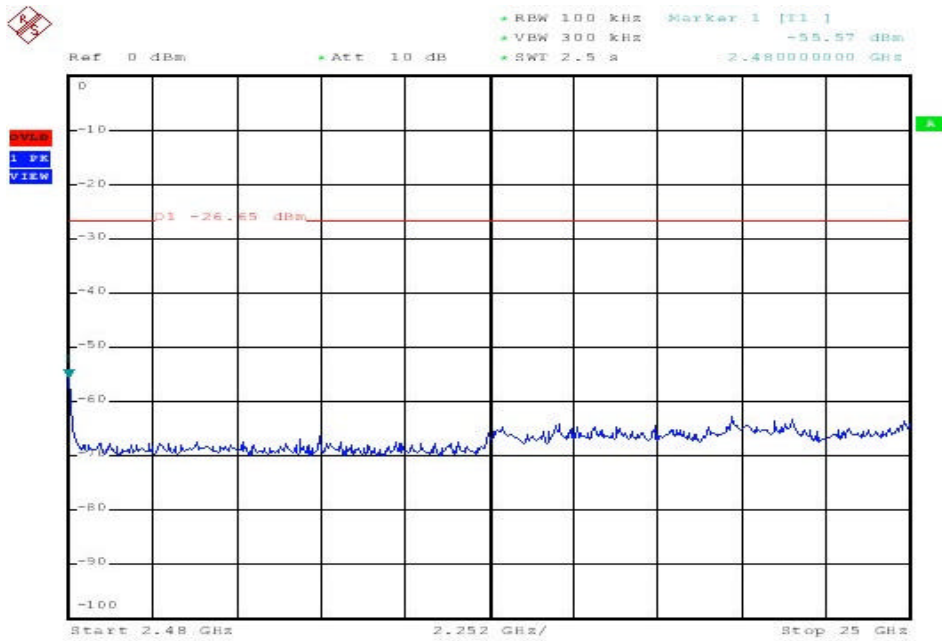
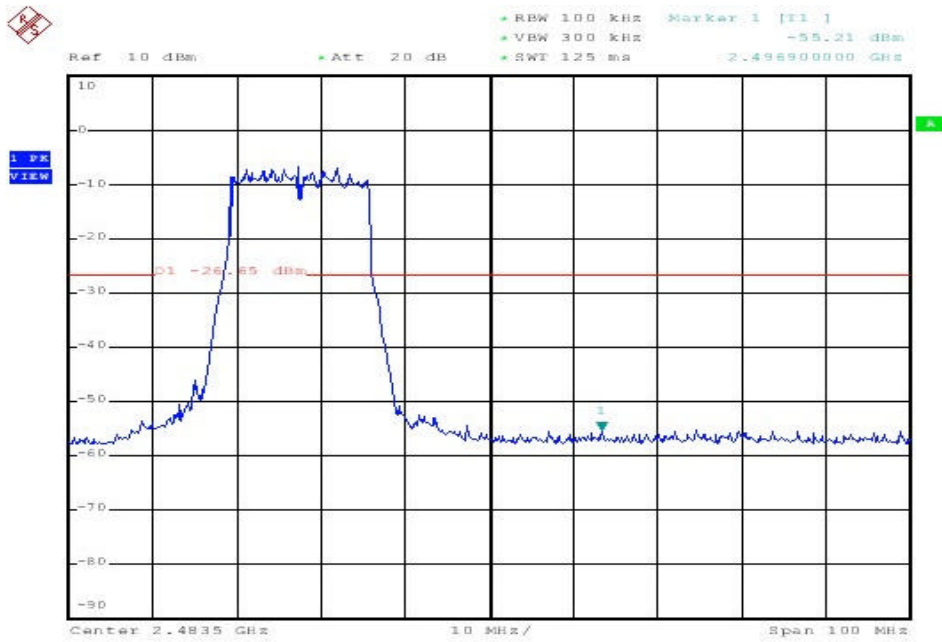












4.6.1. Note on Band edge Emission

Modulation Standard: IEEE 802.11b

Test Date: Jul. 12, 2004 Temperature: 24 Humidity: 58%

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.			
2346.720	35.05	H	Peak	74	54	-38.95	270	1.5
2346.720	---	H	Ave.	74	54	---	---	---
2343.456	32.59	V	Peak	74	54	-41.41	180	1.5
2343.456	---	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.			
2486.928	39.66	H	Peak	74	54	-34.34	270	1.5
2486.928	---	H	Ave.	74	54	---	---	---
2486.928	33.67	V	Peak	74	54	-40.33	180	1.5
2486.928	---	V	Ave.	74	54	---	---	---

Modulation Standard: IEEE 802.11g

Test Date: Jul. 12, 2004 Temperature: 24 Humidity: 58%

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.			
2389.968	41.67	H	Peak	74	54	-32.33	270	1.5
2389.968	---	H	Ave.	74	54	---	---	---
2343.660	32.62	V	Peak	74	54	-41.38	180	1.5
2343.660	---	V	Ave.	74	54	---	---	---

b) Channel 11

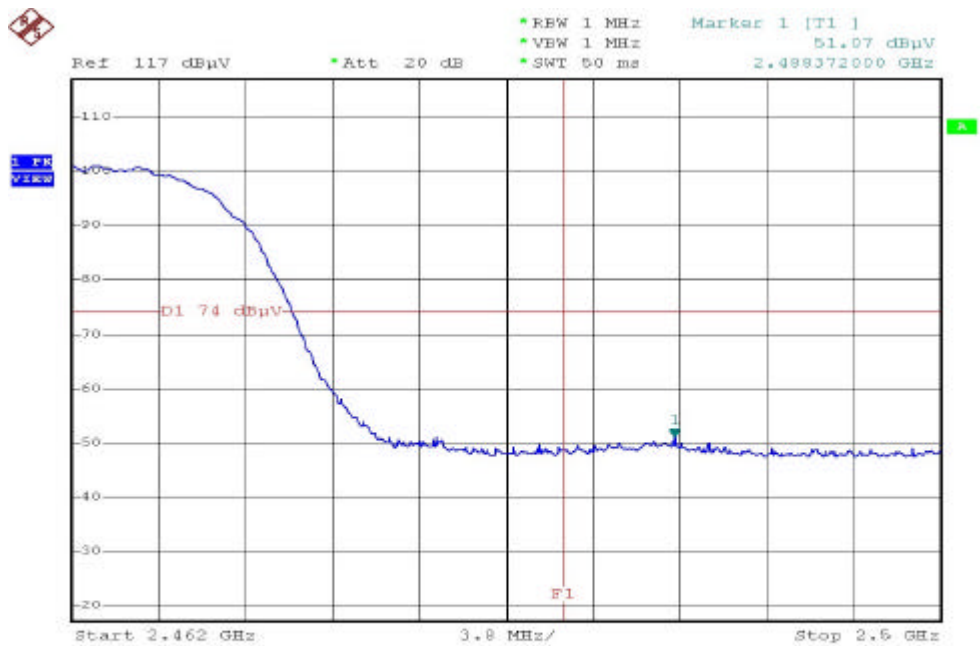
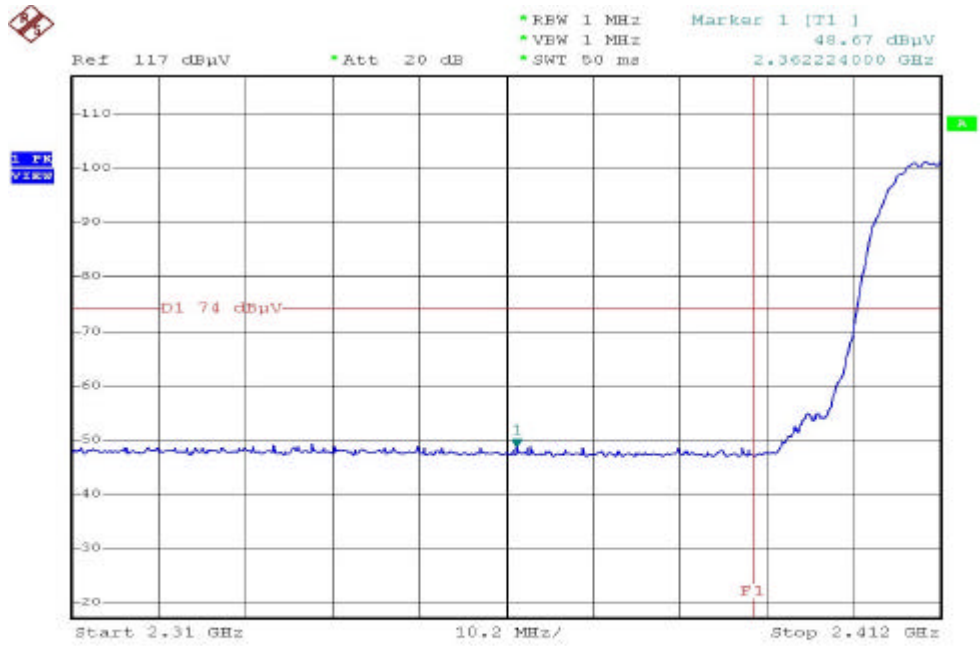
Fundamental Frequency: 2462 MHz

Frequency (MHz)	Level (dBuV)	polarization	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table Deg. (Deg.)	Ant High (m)
				Peak	Ave.			
2483.584	44.71	H	Peak	74	54	-29.29	270	1.5
2483.584	---	H	Ave.	74	54	---	---	---
2483.584	33.01	V	Peak	74	54	-40.99	180	1.5
2483.584	---	V	Ave.	74	54	---	---	---

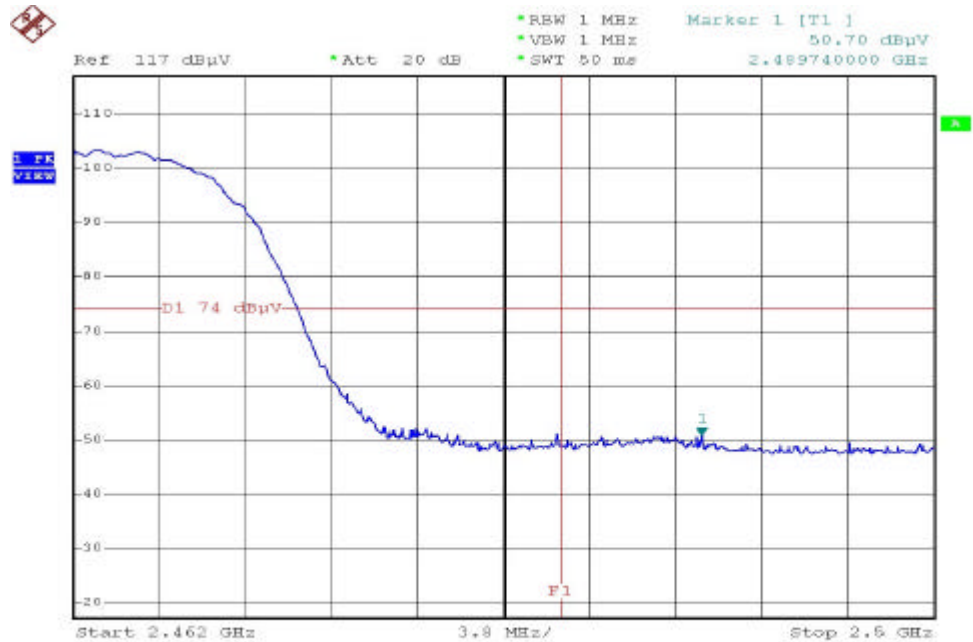
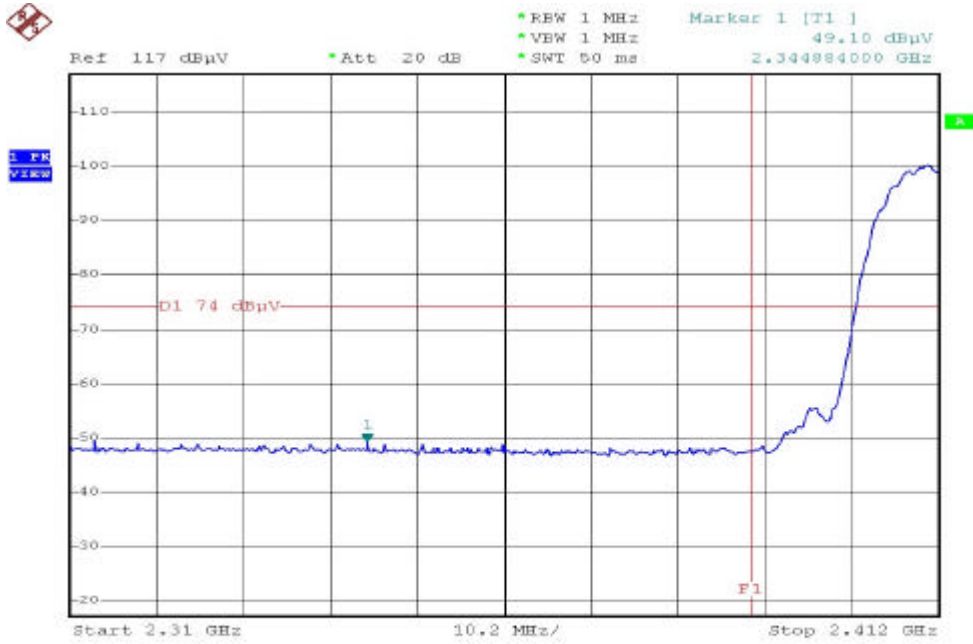


Modulation Standard: IEEE 802.11b

Pol/Phase: Horizontal

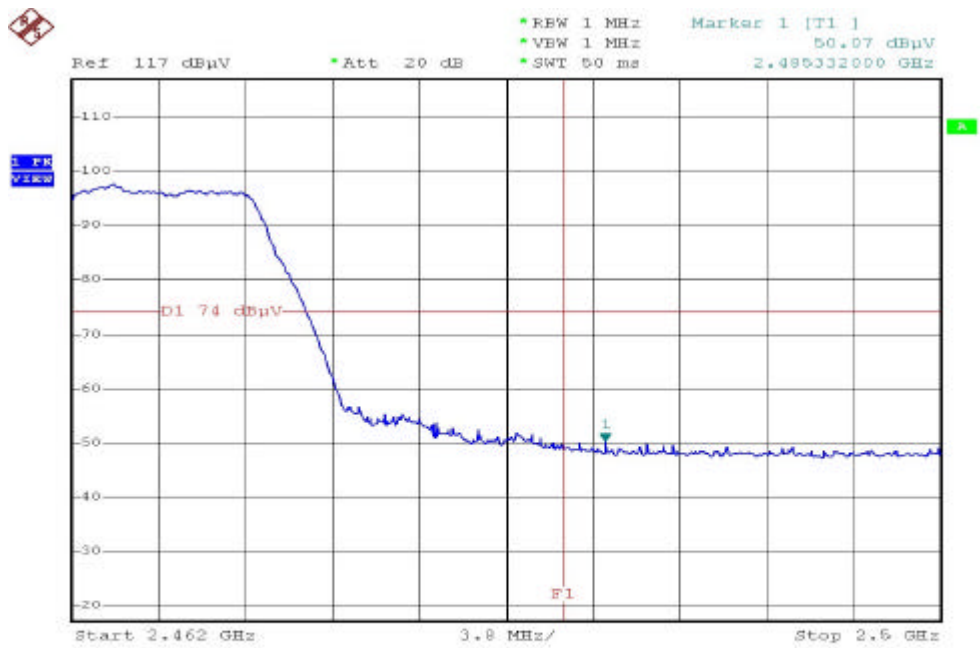
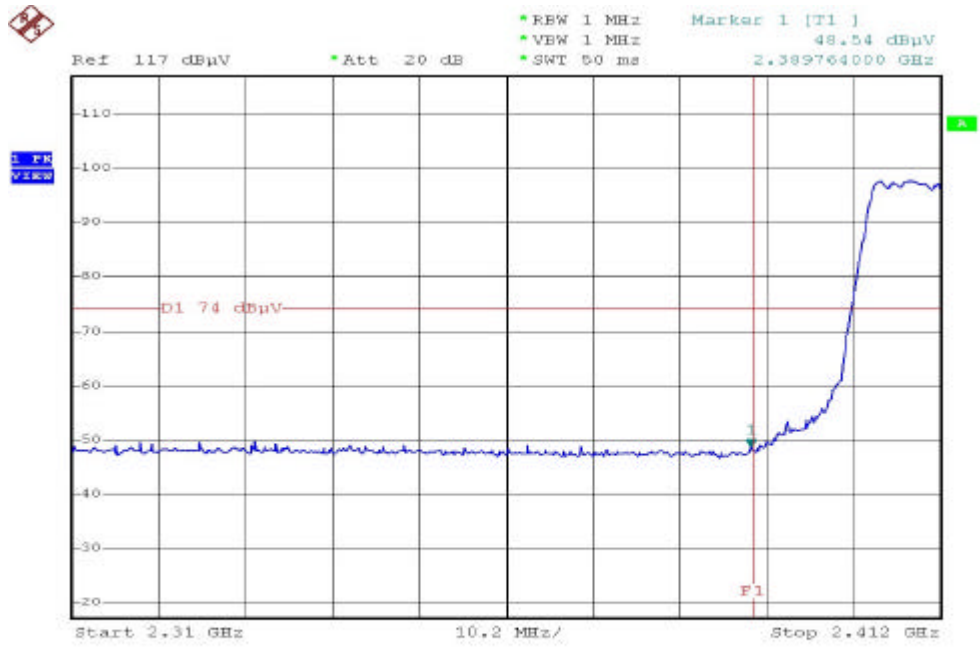


Modulation Standard: IEEE 802.11b  
Pol/Phase: Vertical



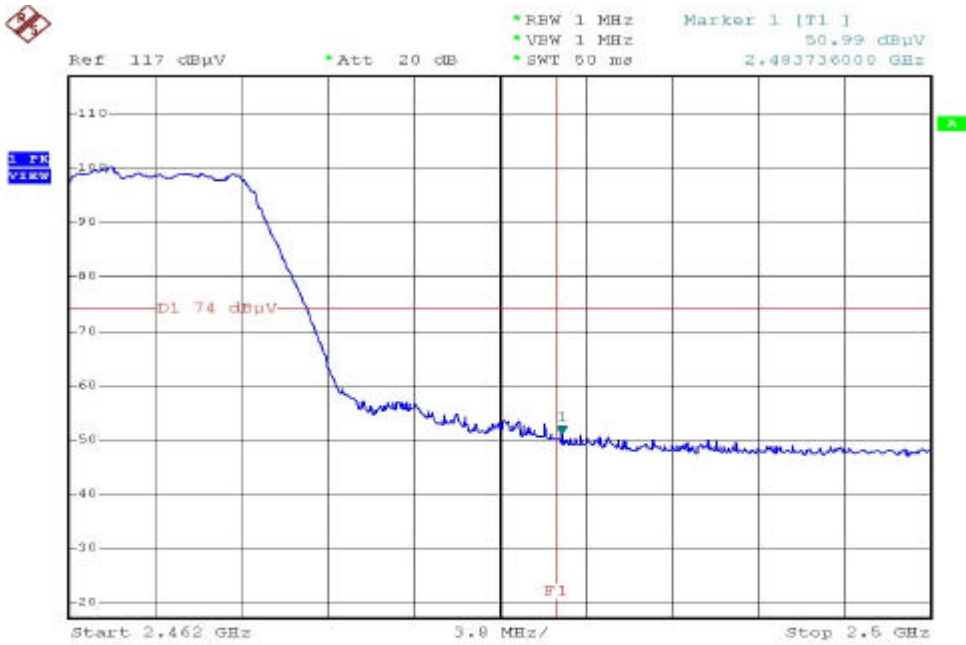
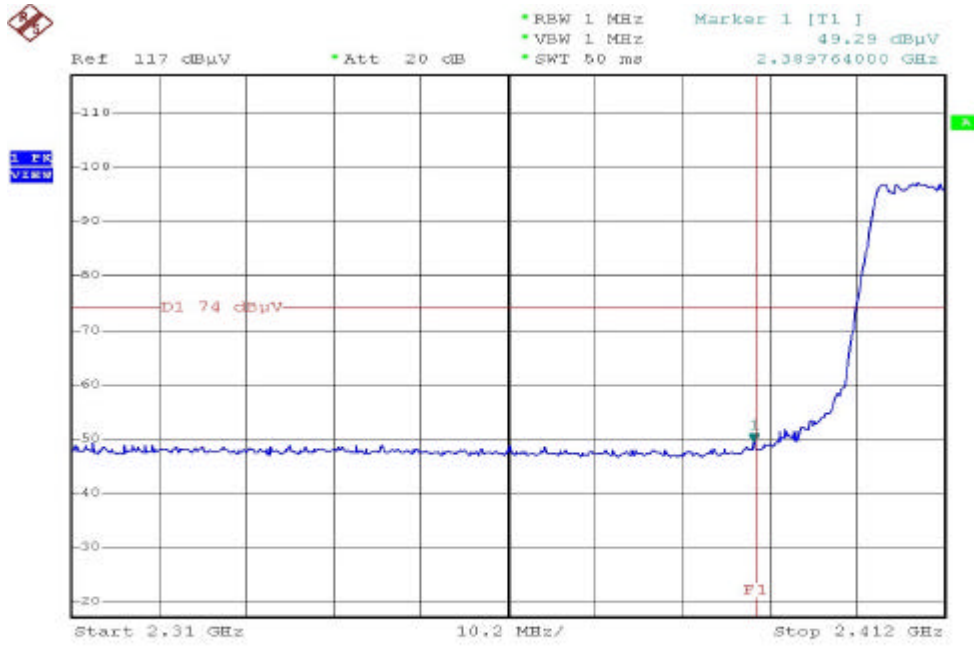
Modulation Standard: IEEE 802.11g

Pol/Phase: Horizontal



Modulation Standard: IEEE 802.11g

Pol/Phase: Vertical



#### 4.7. Power Spectral Density Measurement Data

(1) Modulation Standard: IEEE 802.11b

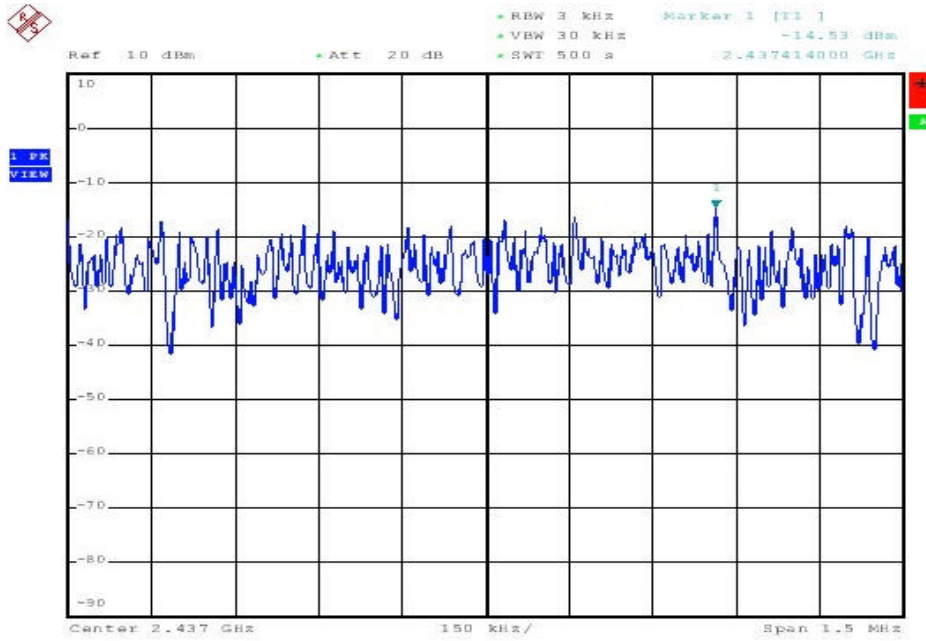
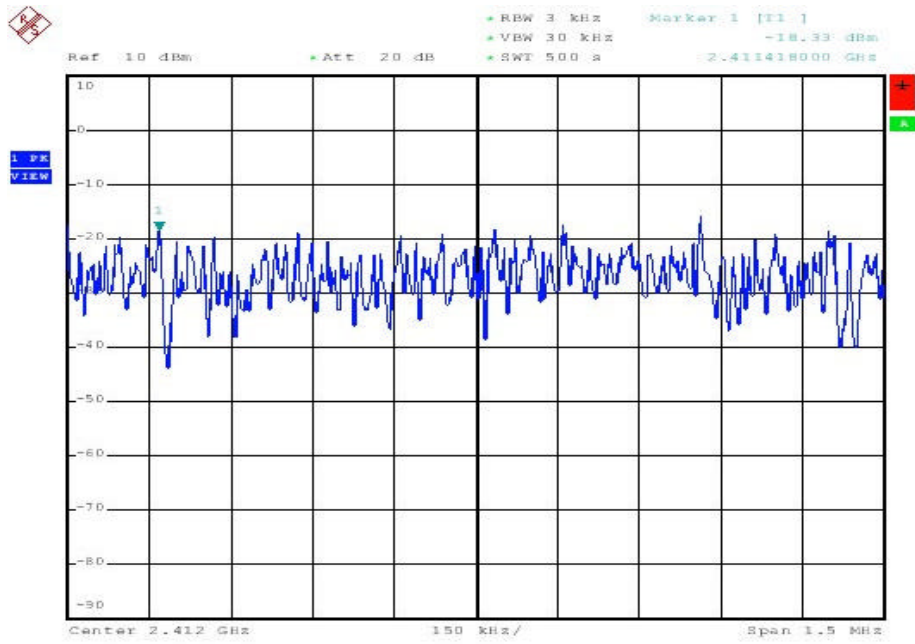
Test Date: Jul. 12, 2004      Temperature: 24      Humidity: 58%

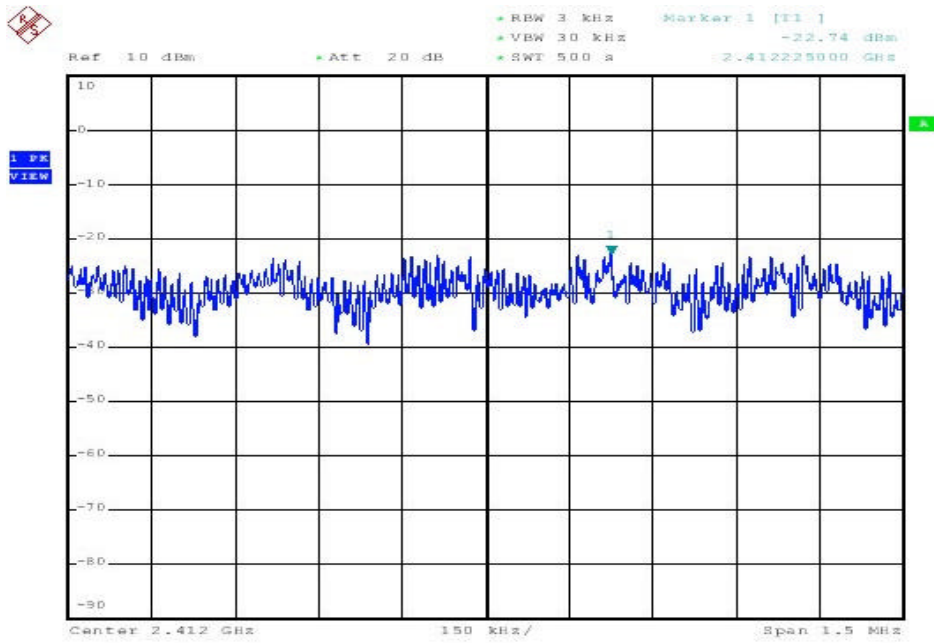
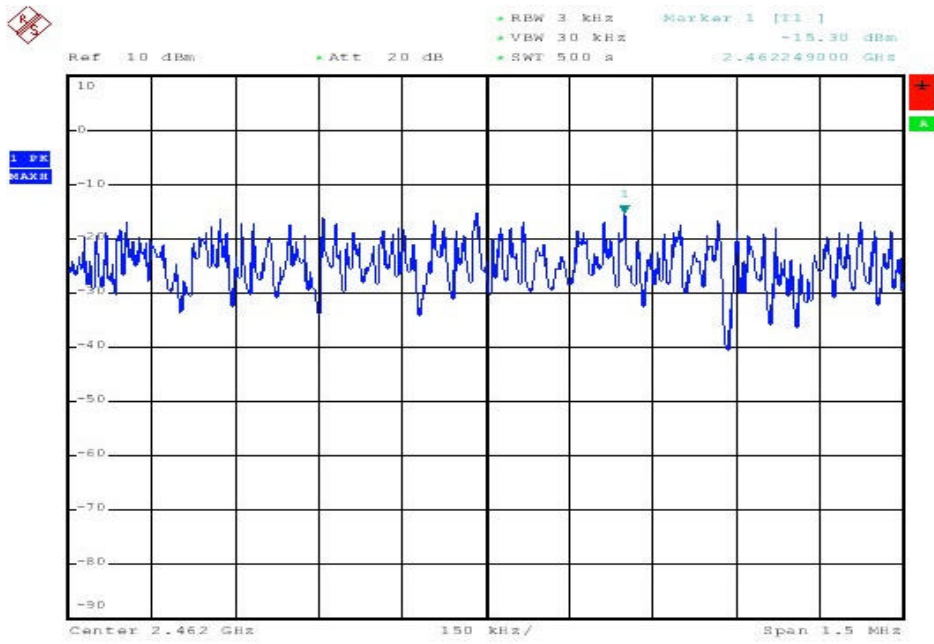
- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -10.66 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -12.45 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -13.76 dBm

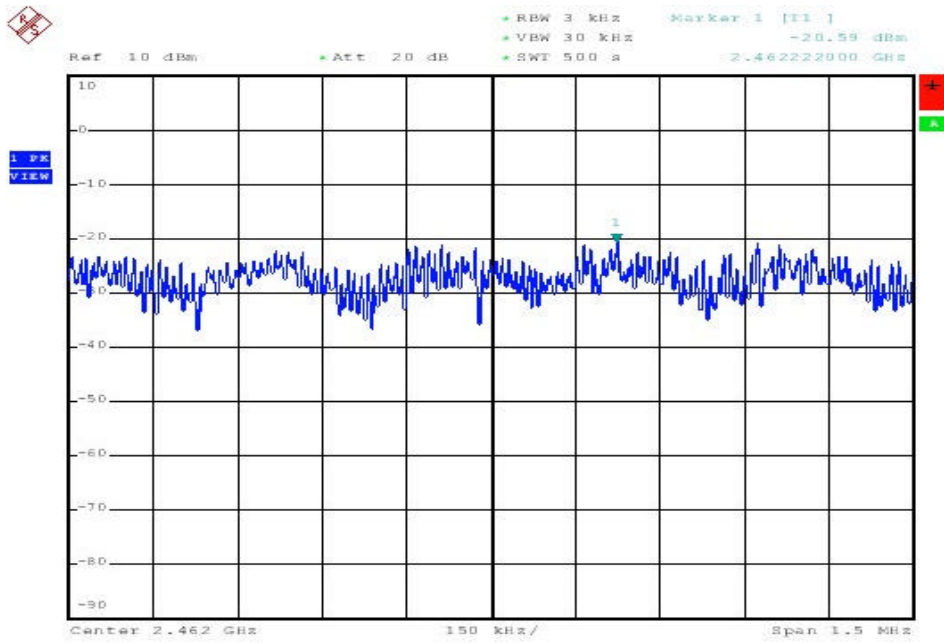
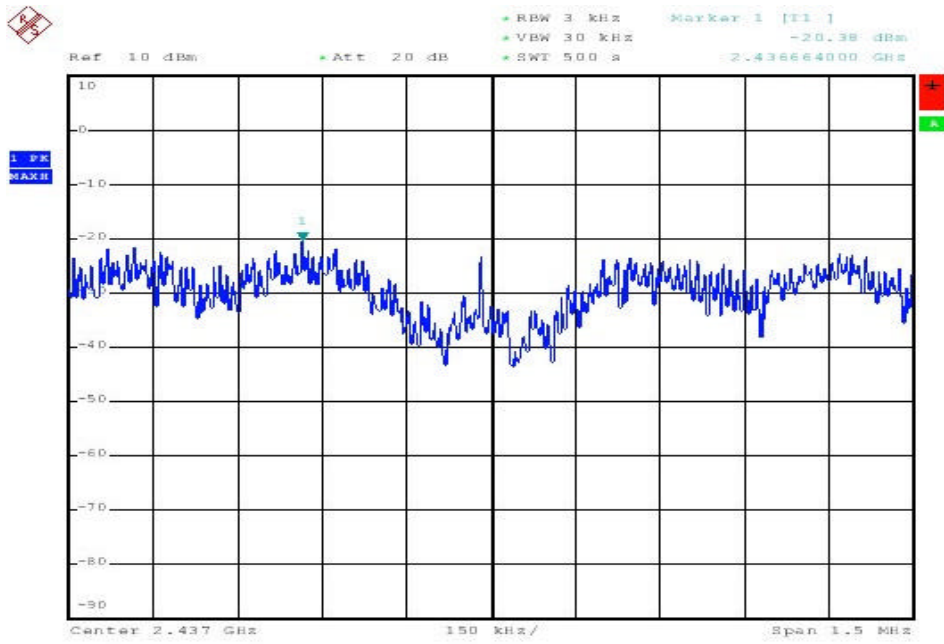
(2) Modulation Standard: IEEE 802.11g

Test Date: Jul. 12, 2004      Temperature: 24      Humidity: 58%

- a) Channel 01: Maximum Power Density of 3 kHz Bandwidth is -13.65 dBm
- b) Channel 06: Maximum Power Density of 3 kHz Bandwidth is -15.14 dBm
- c) Channel 11: Maximum Power Density of 3 kHz Bandwidth is -16.64 dBm









## 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