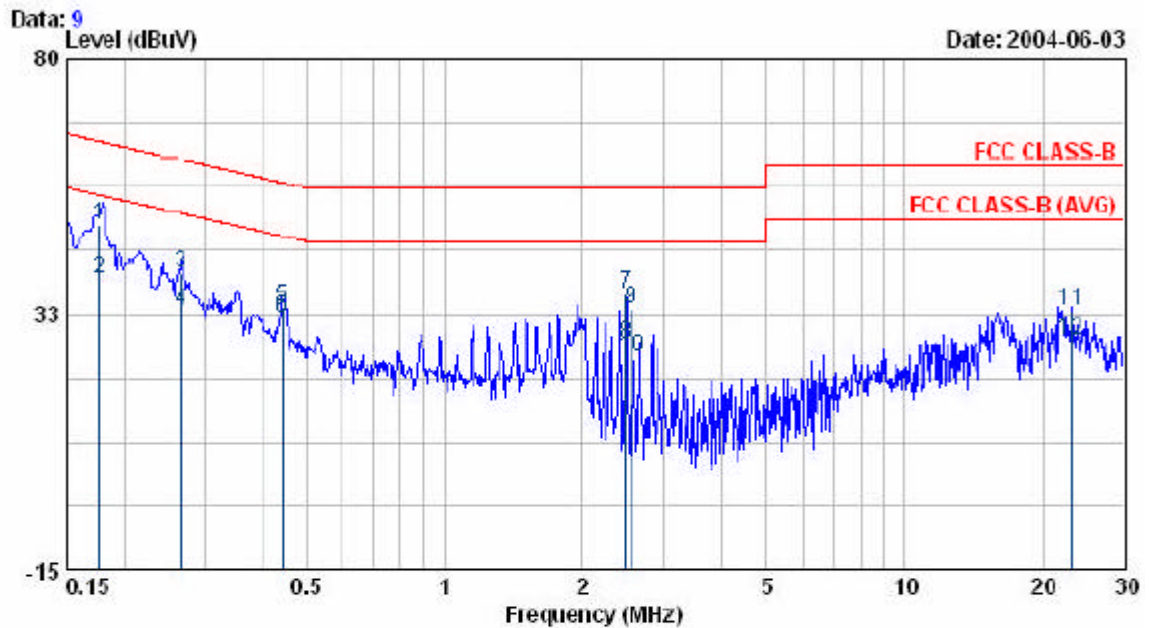


EUT : W0E111
 Power : 110V 60Hz
 Test Mode : 802.11g CH L0
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 59 %



Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.176	48.76	0.41	49.17	64.65	-15.48	QP
0.176	38.47	0.41	38.88	54.65	-15.77	AVERAGE
0.266	39.45	0.43	39.88	61.25	-21.37	QP
0.266	32.46	0.43	32.89	51.25	-18.36	AVERAGE
0.443	33.22	0.46	33.68	57.01	-23.32	QP
0.443	31.23	0.46	31.69	47.01	-15.31	AVERAGE
2.482	35.51	0.55	36.06	56.00	-19.94	QP
2.482	26.17	0.55	26.72	46.00	-19.28	AVERAGE
2.567	32.84	0.55	33.39	56.00	-22.61	QP
2.567	23.73	0.55	24.28	46.00	-21.72	AVERAGE
23.130	32.11	0.95	33.06	60.00	-26.94	QP
23.130	26.63	0.95	27.58	50.00	-22.42	AVERAGE

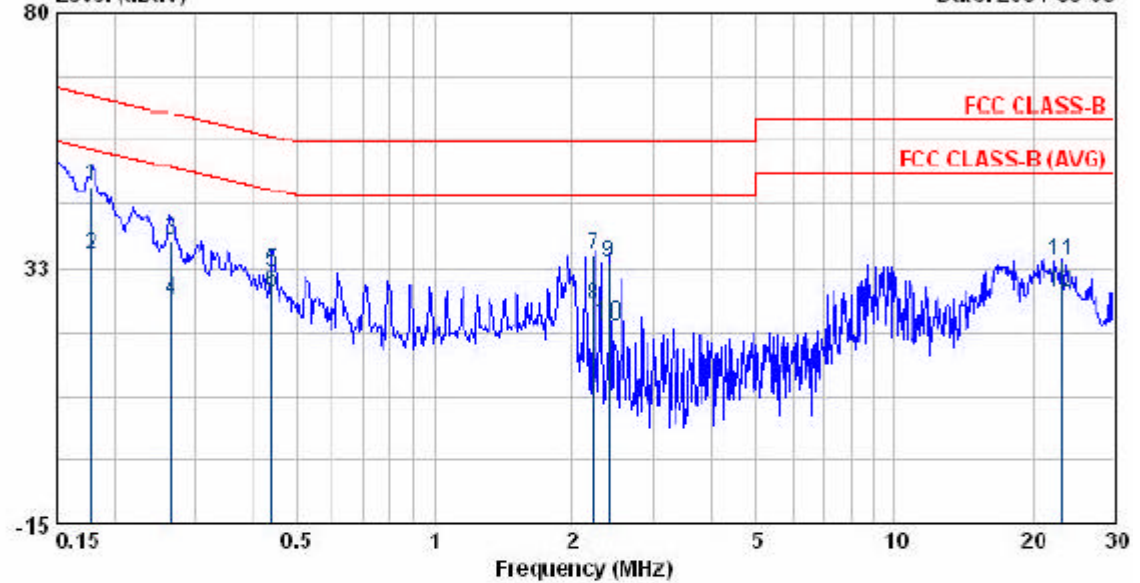
EUT : W0E111
 Power : 110V 60Hz
 Test Mode : 802.11g CH LO
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 59 %

Data: 10

Level (dBuV)

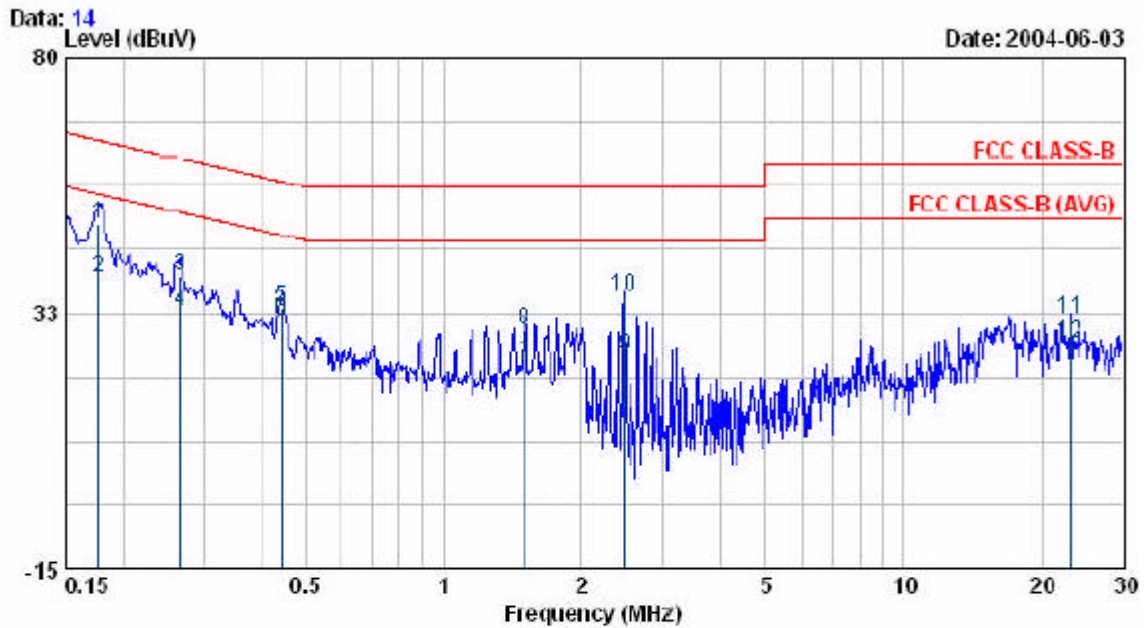
Date: 2004-06-03



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.178	47.29	0.41	47.70	64.60	-16.90	QP
0.178	34.26	0.41	34.67	54.60	-19.93	AVERAGE
0.266	37.04	0.43	37.47	61.24	-23.77	QP
0.266	26.05	0.43	26.48	51.24	-24.76	AVERAGE
0.441	31.24	0.46	31.70	57.05	-25.34	QP
0.441	27.44	0.46	27.90	47.05	-19.14	AVERAGE
2.218	34.08	0.55	34.63	56.00	-21.37	QP
2.218	24.93	0.55	25.48	46.00	-20.52	AVERAGE
2.398	32.97	0.55	33.52	56.00	-22.48	QP
2.398	21.17	0.55	21.72	46.00	-24.28	AVERAGE
23.129	32.67	1.14	33.81	60.00	-26.19	QP
23.129	26.68	1.14	27.82	50.00	-22.18	AVERAGE

EUT : W0E111
 Power : 110V 60Hz
 Test Mode : 802.11g CH MID
 Memo :

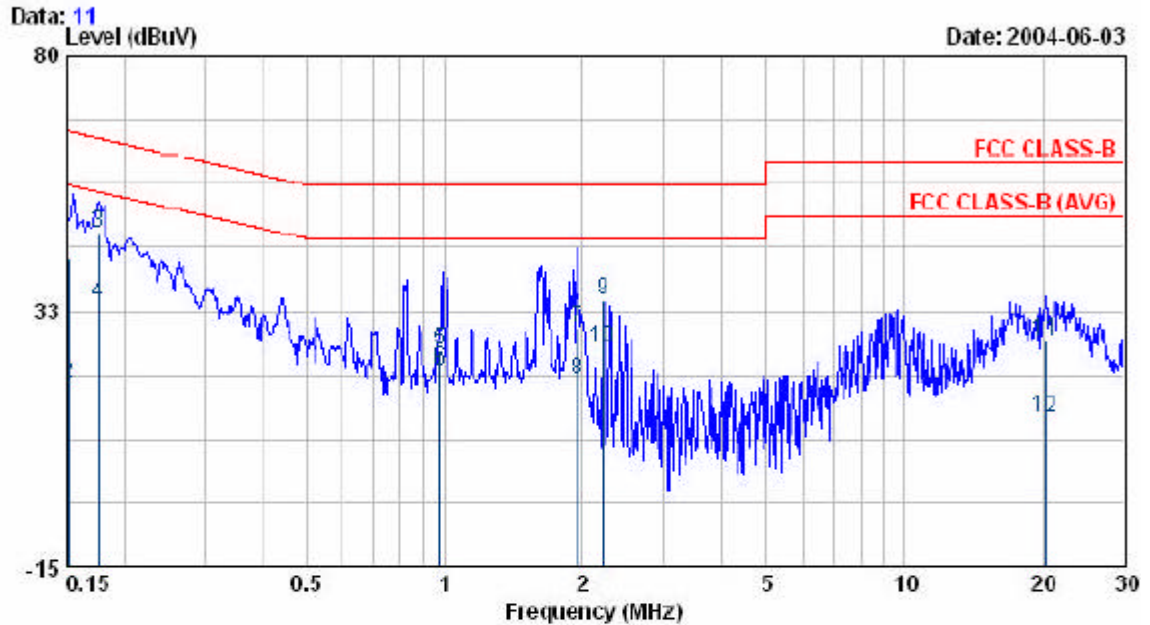
Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 59 %



Freq	Read				Over	
Level	Factor	Level	Limit	Limit	Remark	
dBuV	dB	dBuV	dBuV	dBuV	dBuV	
MHz						
0.176	48.72	0.41	49.13	64.66	-15.53	QP
0.176	38.51	0.41	38.92	54.66	-15.74	AVERAGE
0.265	38.98	0.43	39.41	61.26	-21.85	QP
0.265	32.28	0.43	32.71	51.26	-18.55	AVERAGE
0.443	32.74	0.46	33.20	57.01	-23.80	QP
0.443	30.41	0.46	30.87	47.01	-16.13	AVERAGE
1.505	22.35	0.53	22.88	46.00	-23.12	AVERAGE
1.505	28.77	0.53	29.30	56.00	-26.70	QP
2.480	23.87	0.55	24.42	46.00	-21.58	AVERAGE
2.480	34.79	0.55	35.34	56.00	-20.66	QP
23.130	30.48	0.95	31.43	60.00	-28.57	QP
23.130	25.93	0.95	26.88	50.00	-23.12	AVERAGE

EUT : W0E111
 Power : 110V 60Hz
 Test Mode : 802.11g CH MID
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 59 %



Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.151	42.08	0.40	42.48	65.92	-23.44	QP
0.151	18.80	0.40	19.20	55.92	-36.72	AVERAGE
0.175	46.67	0.41	47.08	64.71	-17.63	QP
0.175	33.40	0.41	33.81	54.71	-20.90	AVERAGE
0.975	24.63	0.51	25.14	56.00	-30.86	QP
0.975	21.10	0.51	21.61	46.00	-24.39	AVERAGE
1.953	28.78	0.54	29.32	56.00	-26.68	QP
1.953	19.10	0.54	19.64	46.00	-26.36	AVERAGE
2.215	33.98	0.55	34.53	56.00	-21.47	QP
2.215	24.86	0.55	25.41	46.00	-20.59	AVERAGE
20.278	25.94	0.90	26.84	60.00	-33.16	QP
20.278	11.98	0.90	12.88	50.00	-37.12	AVERAGE

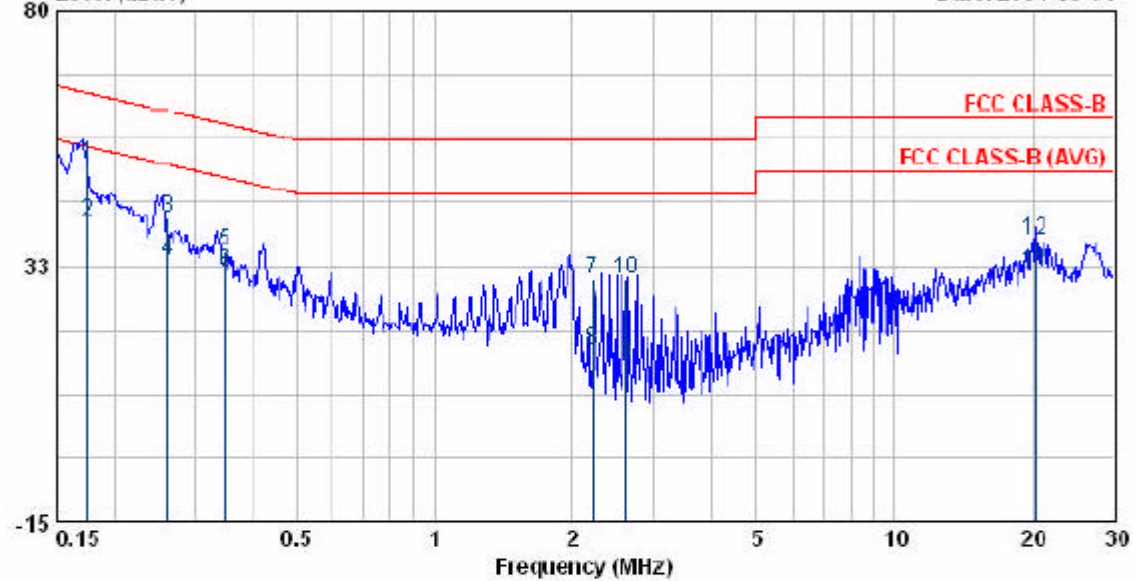
EUT : W0E111
 Power : 110V 60Hz
 Test Mode : 802.11g CH HI
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 59 %

Data: 19

Level (dBuV)

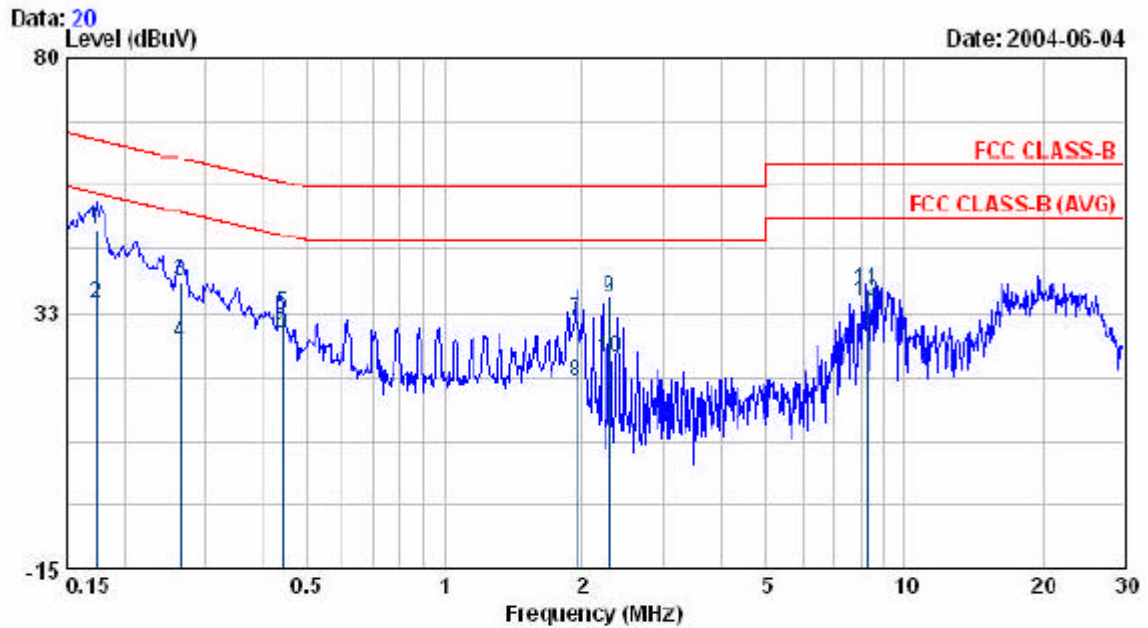
Date: 2004-06-04



Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.174	51.12	0.41	51.53	64.75	-13.22	QP
0.174	40.26	0.41	40.67	54.75	-14.08	AVERAGE
0.261	40.85	0.43	41.28	61.39	-20.11	QP
0.261	33.03	0.43	33.46	51.39	-17.93	AVERAGE
0.349	34.50	0.45	34.95	58.98	-24.03	QP
0.349	30.09	0.45	31.34	48.98	-17.64	AVERAGE
2.203	29.47	0.55	30.02	56.00	-25.98	QP
2.203	16.32	0.55	16.87	46.00	-29.13	AVERAGE
2.618	13.58	0.55	14.13	46.00	-31.87	AVERAGE
2.618	29.17	0.55	29.72	56.00	-26.28	QP
20.258	30.30	0.88	31.18	50.00	-18.82	AVERAGE
20.258	36.49	0.88	37.37	60.00	-22.63	QP

EUT : WGE111
 Power : 110V 60Hz
 Test Mode : 802.11g CH HI
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 59 %



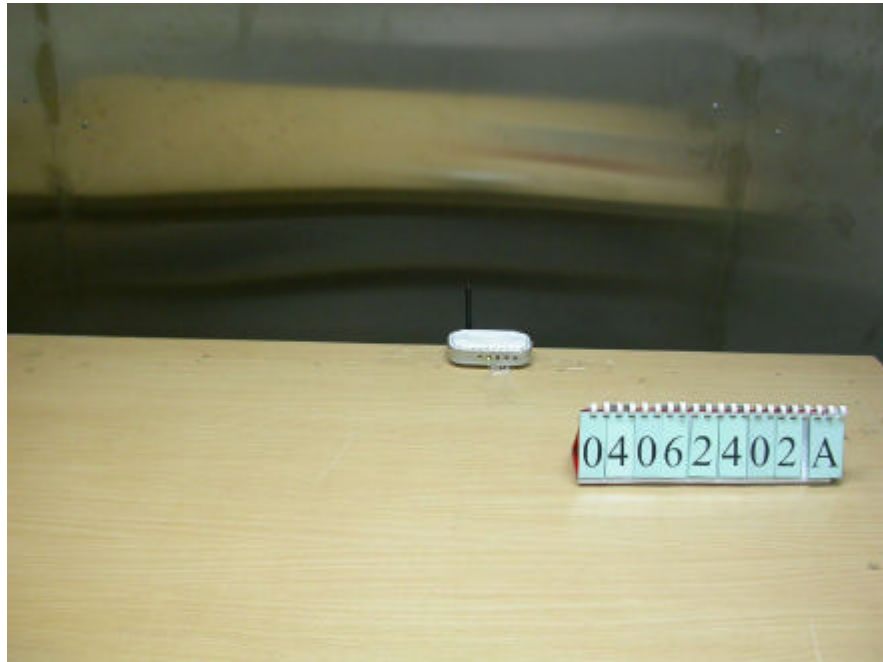
Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.174	47.44	0.41	47.85	64.78	-16.93	QP
0.174	33.58	0.41	33.99	54.78	-20.79	AVERAGE
0.264	37.71	0.43	38.14	61.29	-23.15	QP
0.264	26.42	0.43	26.85	51.29	-24.44	AVERAGE
0.442	31.50	0.46	31.96	57.03	-25.06	QP
0.442	20.15	0.46	20.61	47.03	-16.41	AVERAGE
1.939	30.40	0.54	30.94	56.00	-25.06	QP
1.939	19.15	0.54	19.69	46.00	-26.31	AVERAGE
2.294	34.67	0.55	35.22	56.00	-20.78	QP
2.294	23.32	0.55	23.87	46.00	-22.13	AVERAGE
8.233	35.86	0.61	36.47	60.00	-23.53	QP
8.233	33.71	0.61	34.32	50.00	-15.68	AVERAGE

Test by:

Jerry

4.2.1. Photographs of Conducted Emission Test

FRONT VIEW

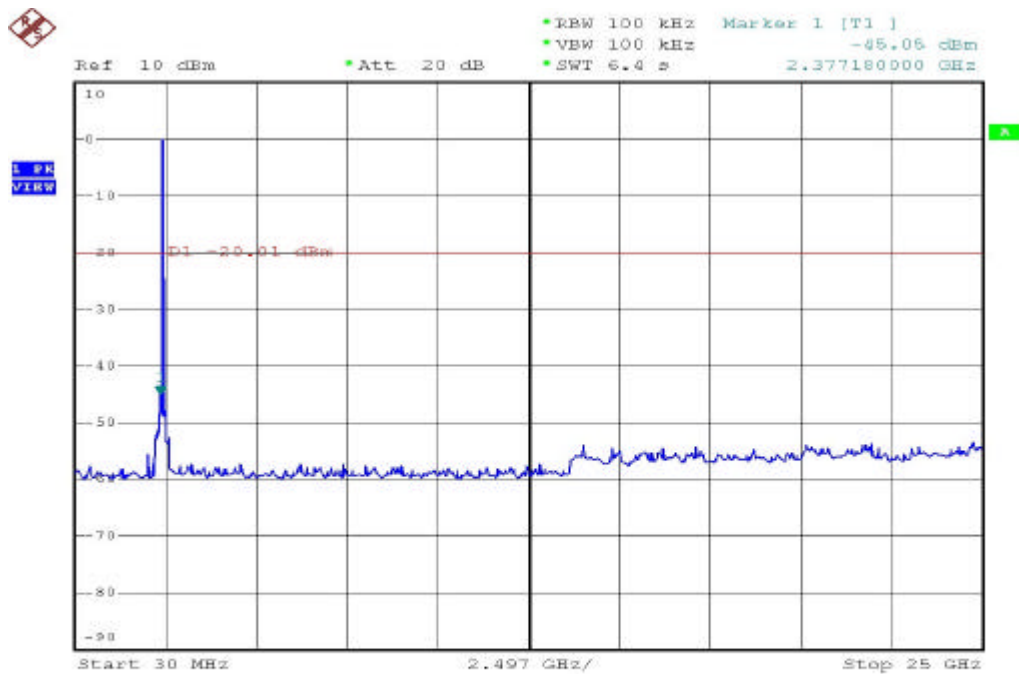
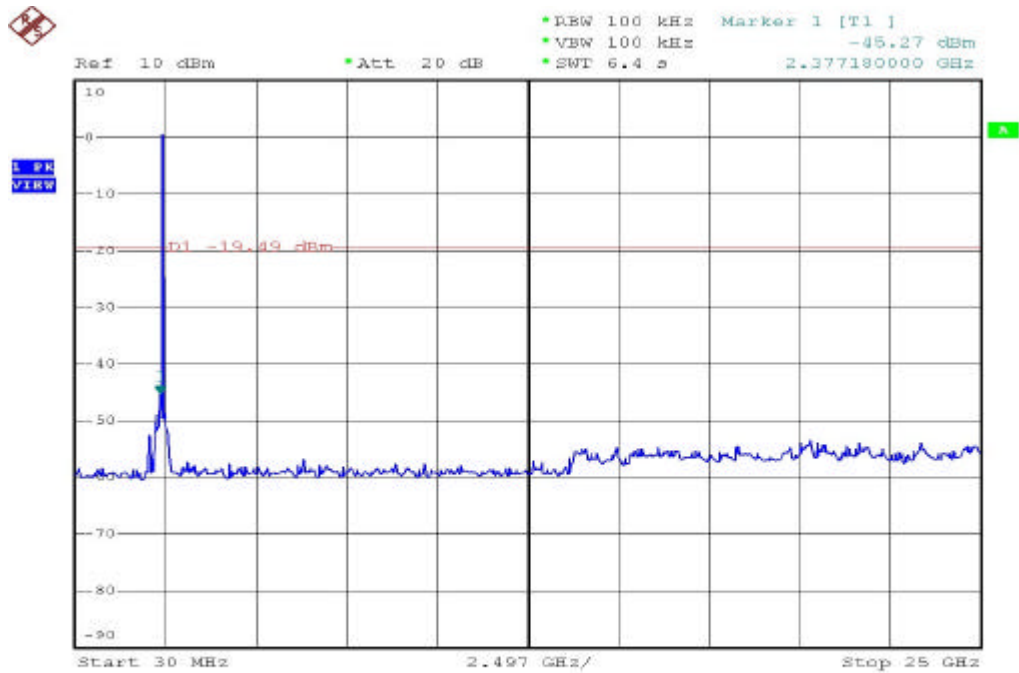


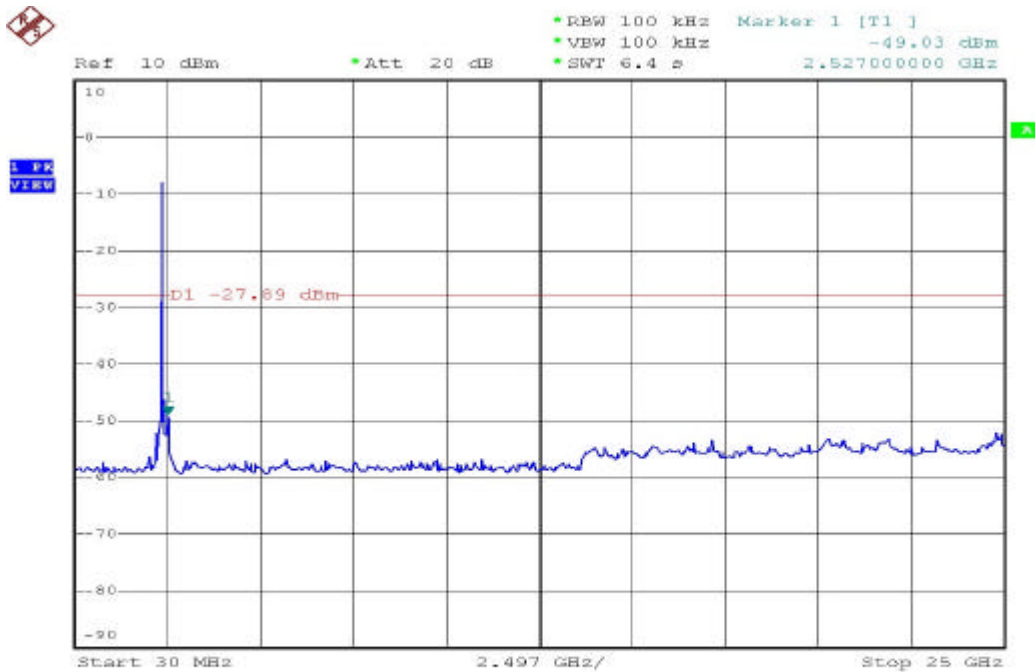
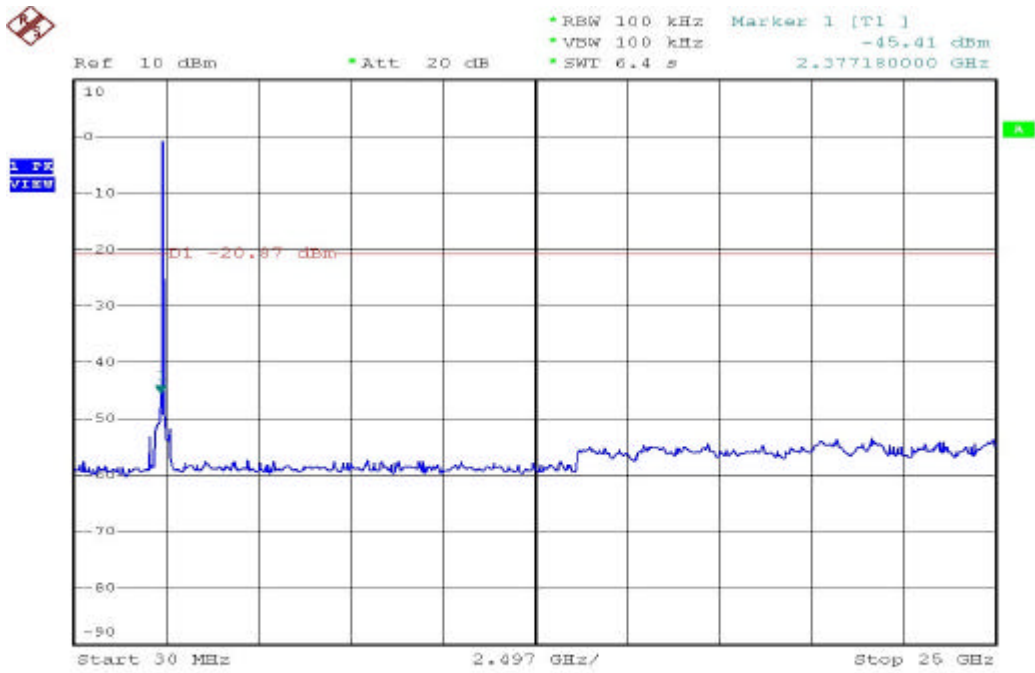
REAR VIEW

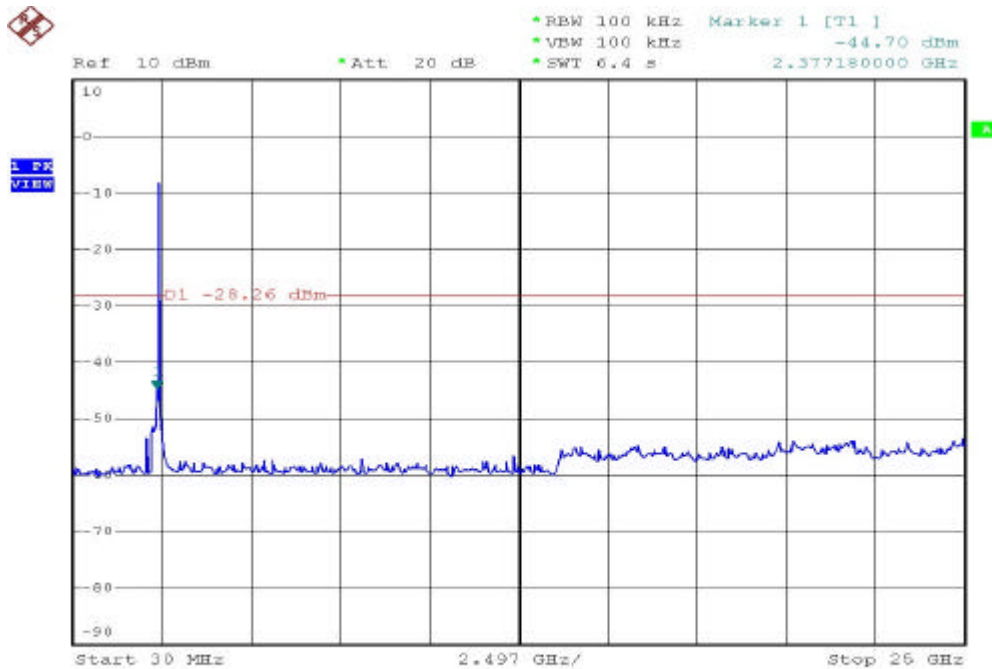
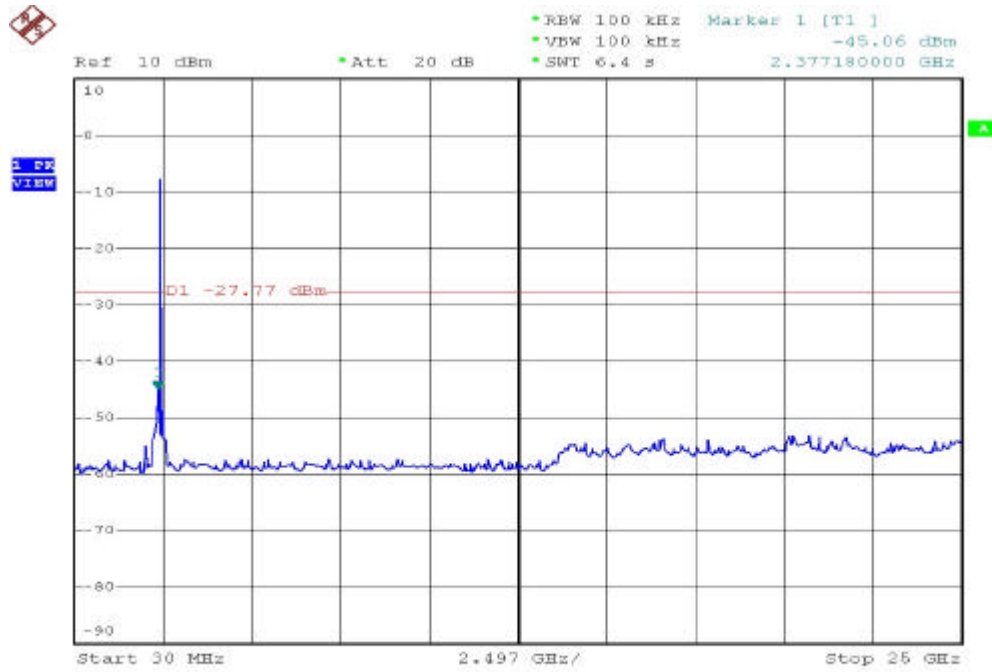


4.3. RF Portion

4.3.1. Test Result of Conducted Emission







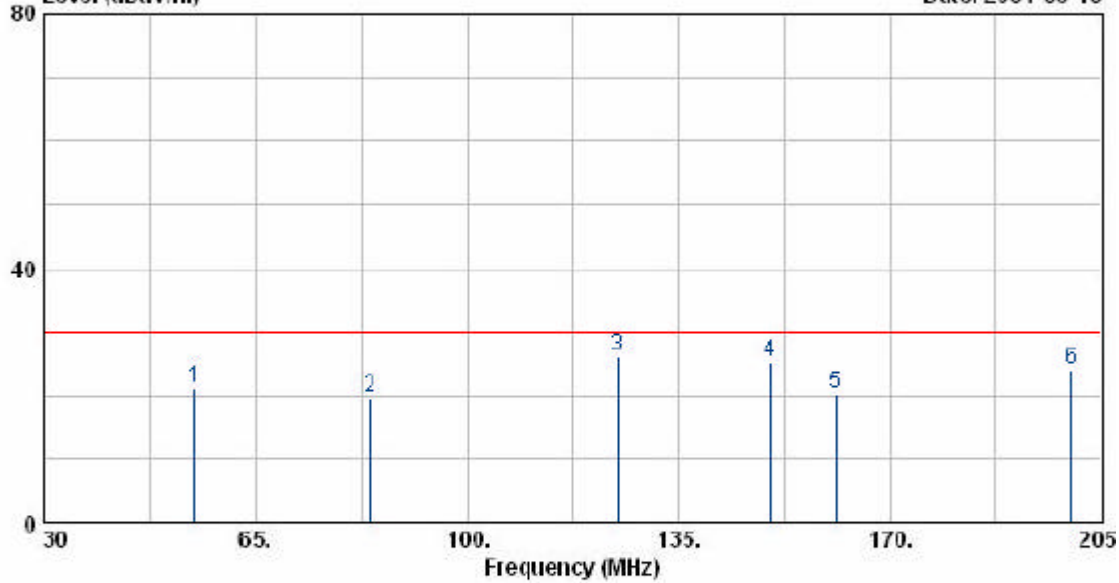
4.3.2. Test Result of Radiated Emission

EUT : WGE-111
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :
 Pol/Phase : HORIZONTAL
 Temperature : 22 ℃
 Humidity : 65 %

Data: 12

Level (dBuV/m)

Date: 2004-06-10



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
55.03	41.93	-20.98	20.96	30.00	-9.04	Peak	400	360
82.73	39.44	-19.66	19.78	30.00	-10.22	Peak	400	360
125.03	41.25	-15.24	26.01	30.00	-3.99	Peak	400	79
150.23	40.50	-15.43	25.07	30.00	-4.93	Peak	360	257
161.08	36.29	-16.18	20.11	30.00	-9.89	Peak	400	360
200.10	41.80	-17.66	24.14	30.00	-5.86	Peak	400	360

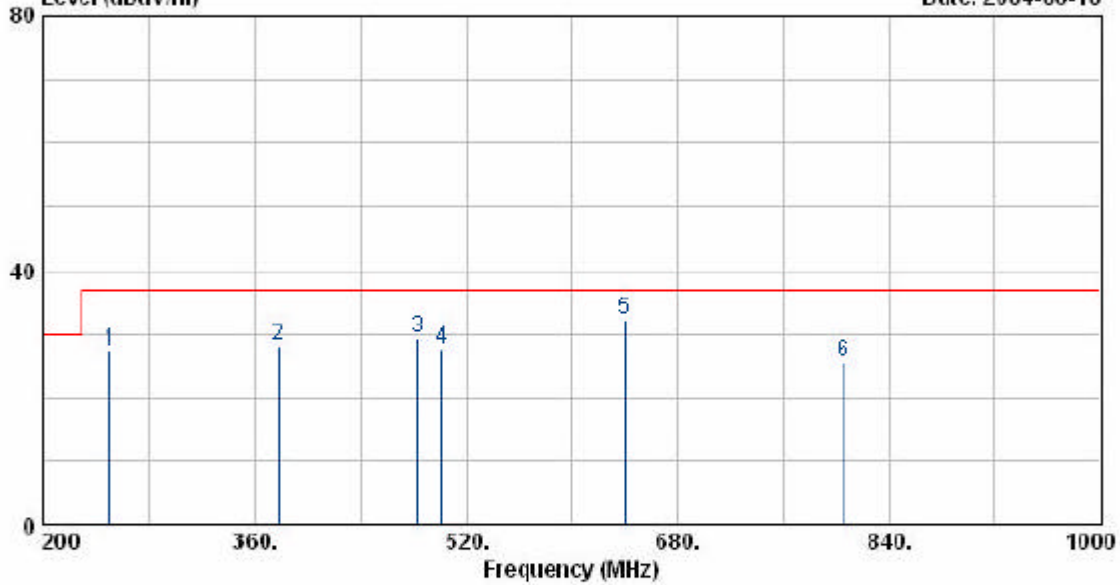
EUT : WGE-111
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : HORIZONTAL
 Temperature : 22 ℃
 Humidity : 65 %

Data: 11

Level (dBuV/m)

Date: 2004-06-10



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
251.20	39.96	-12.73	27.23	37.00	-9.77	Peak	400	360
377.60	37.79	-9.73	28.06	37.00	-8.94	Peak	400	360
487.40	36.43	-7.25	29.18	37.00	-7.82	Peak	400	360
500.80	34.52	-6.89	27.63	37.00	-9.37	Peak	400	360
640.00	36.40	-4.24	32.16	37.00	-4.84	Peak	375	270
805.60	25.83	-0.44	25.39	37.00	-11.61	Peak	400	360

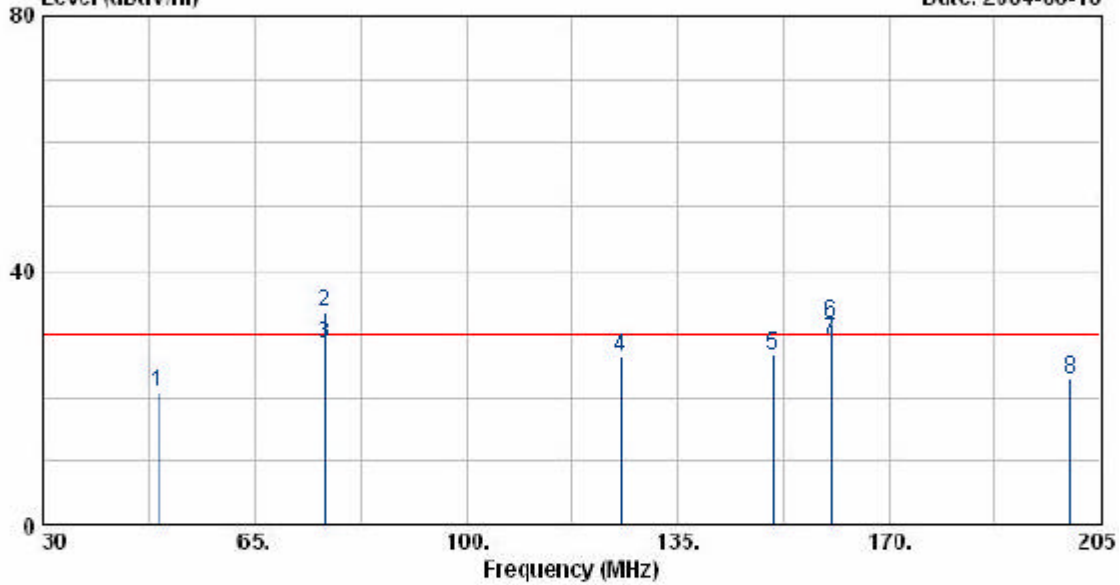
EUT : WGE-111
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : VERTICAL
 Temperature : 22 ℃
 Humidity : 65 %

Data: 9

Level (dBuV/m)

Date: 2004-06-10



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
49.08	39.60	-18.83	20.77	30.00	-9.23	Peak	200	0
76.55	53.82	-20.44	33.38	30.00	3.38	Peak	200	0
76.55	43.82	-20.44	23.38	30.00	-1.62	QD	162	64
125.55	41.65	-15.21	26.44	30.00	-3.56	Peak	200	0
150.93	42.15	-15.47	26.69	30.00	-3.31	Peak	200	0
160.55	47.86	-16.14	31.73	30.00	1.73	Peak	200	0
160.55	45.26	-16.14	29.13	30.00	-0.87	QD	100	180
200.10	40.63	-17.66	22.97	30.00	-7.03	Peak	200	0

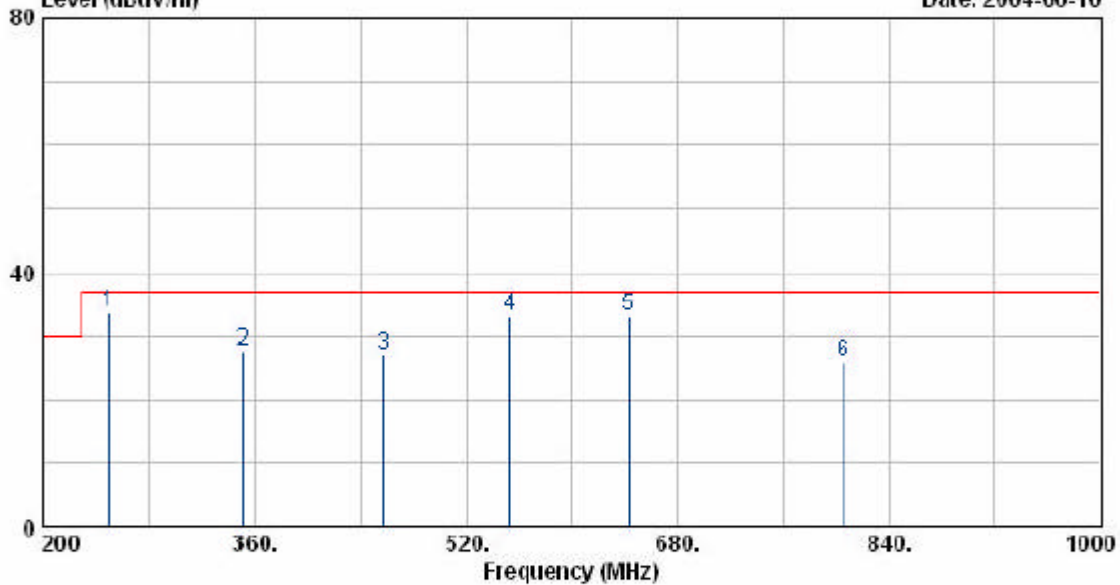
EUT : WGE-111
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : VERTICAL
 Temperature : 22 ℃
 Humidity : 65 %

Data: 10

Level (dBuV/m)

Date: 2004-06-10



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
250.40	46.52	-12.83	33.69	37.00	-3.31	Peak	100	60
351.20	37.56	-9.88	27.68	37.00	-9.32	Peak	100	0
456.80	34.89	-8.03	26.86	37.00	-10.14	Peak	100	0
552.80	37.35	-4.34	33.01	37.00	-3.99	Peak	135	180
642.40	37.53	-4.36	33.17	37.00	-3.83	Peak	150	60
805.60	26.29	-0.44	25.85	37.00	-11.15	Peak	200	0

Test by: Tony

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz

Test Date: Jun. 26, 2004 Temperature: 24 Humidity: 62%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Table Deg.	Ant High (m)
201.69	V	56.73	-18.28	38.45	43.5	-5.05	270	1.5
252.13	V	56.03	-13.40	42.63	46.0	-3.37	270	1.5
300.63	V	54.96	-12.36	42.60	46.0	-3.40	270	1.5
300.63	H	59.10	-14.37	44.73	46.0	-1.27	270	1.5
701.24	H	43.31	-1.06	42.25	46.0	-3.75	270	1.5

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier

b) Emission frequencies above 1 GHz

Radiated emission frequencies above 1 GHz to 25 GHz were too low to be measured.

Modulation Standard: IEEE 802.11g

a) Emission frequencies below 1 GHz

Test Date: Jun. 26, 2004 Temperature: 24 Humidity: 62%

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Table Deg.	Ant High (m)
101.78	V	53.45	-17.27	36.18	43.5	-7.32	270	1.5
201.69	V	56.73	-18.28	38.45	43.5	-5.05	270	1.5
252.13	V	57.03	-13.40	43.63	46.0	-2.37	270	1.5
300.63	V	55.96	-12.36	43.60	46.0	-2.40	270	1.5
300.63	H	58.92	-14.37	44.55	46.0	-1.45	270	1.5
352.04	H	52.86	-10.85	42.01	46.0	-3.99	270	1.5
701.24	H	43.62	-1.06	42.56	46.0	-3.44	270	1.5

Notes:

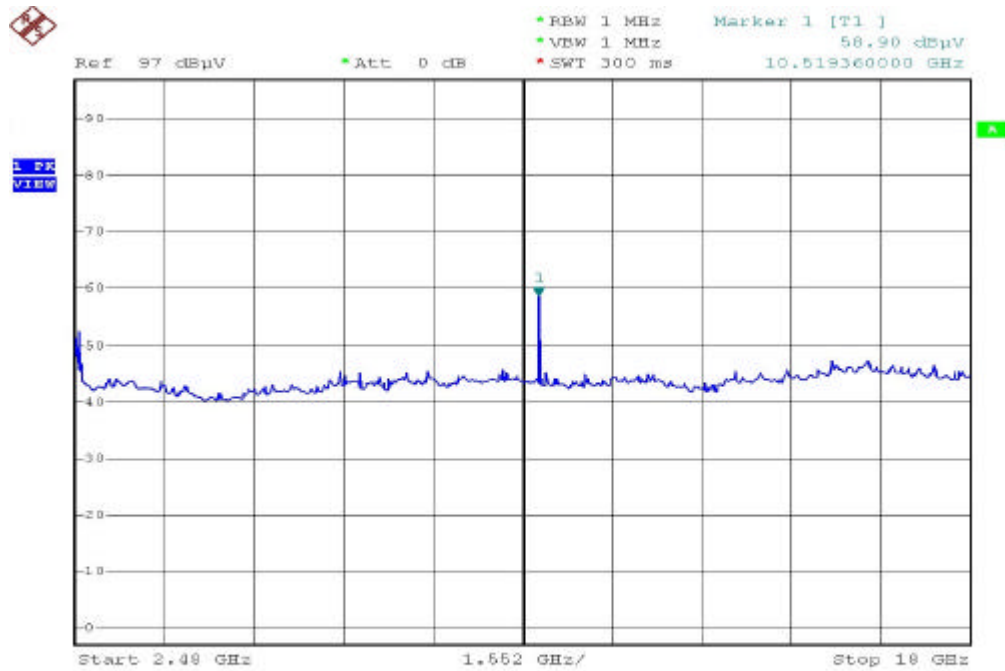
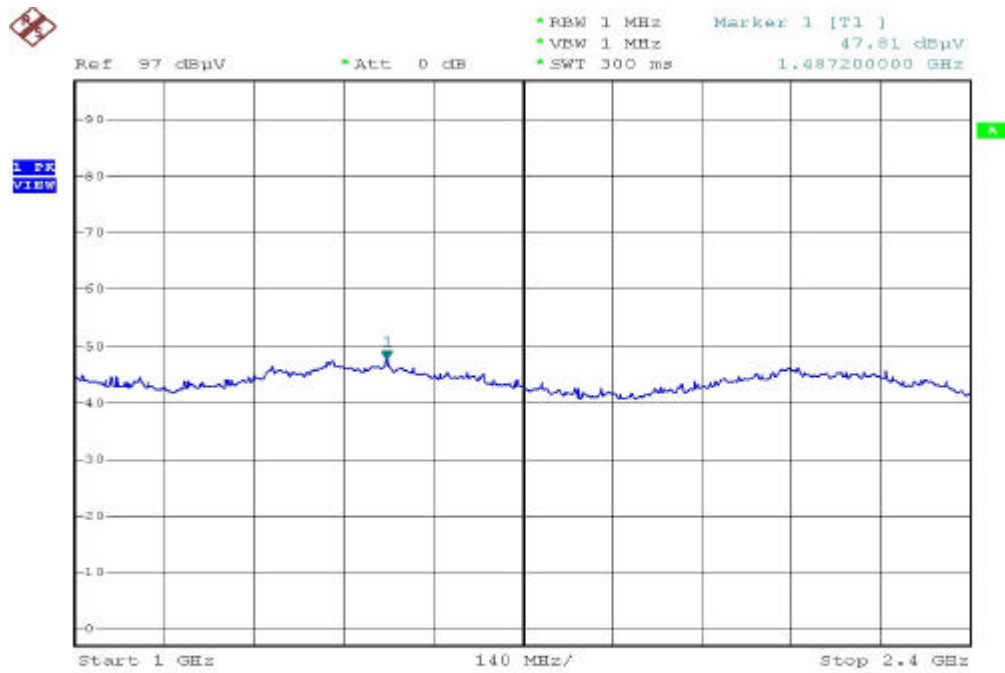
1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier

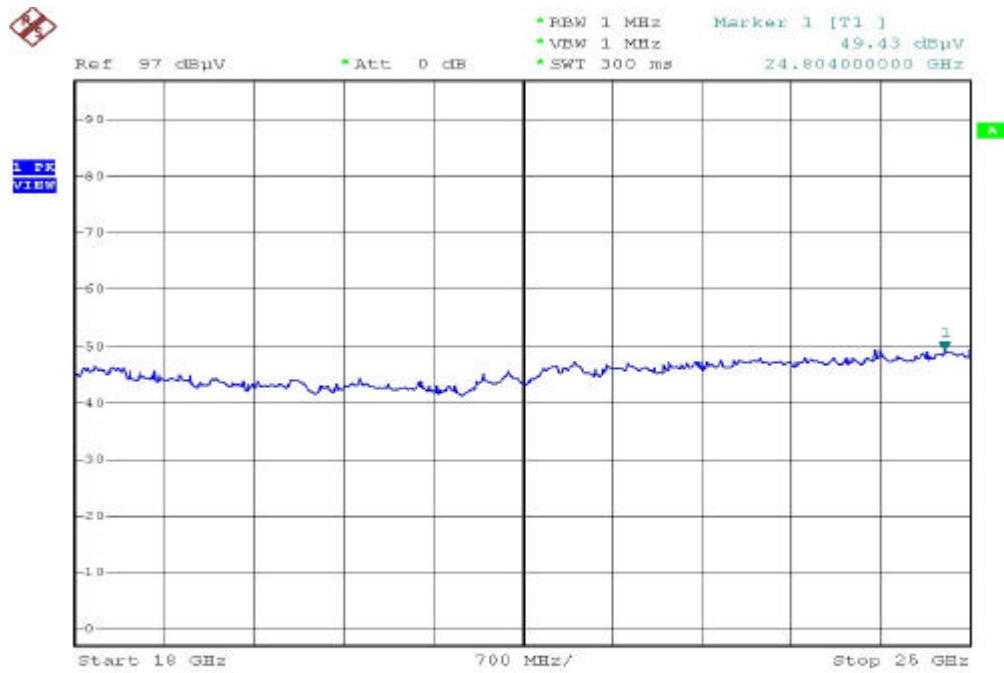
b) Emission frequencies above 1 GHz

Radiated emission frequencies above 1 GHz to 25 GHz were too low to be measured.

Modulation Standard: IEEE 802.11b

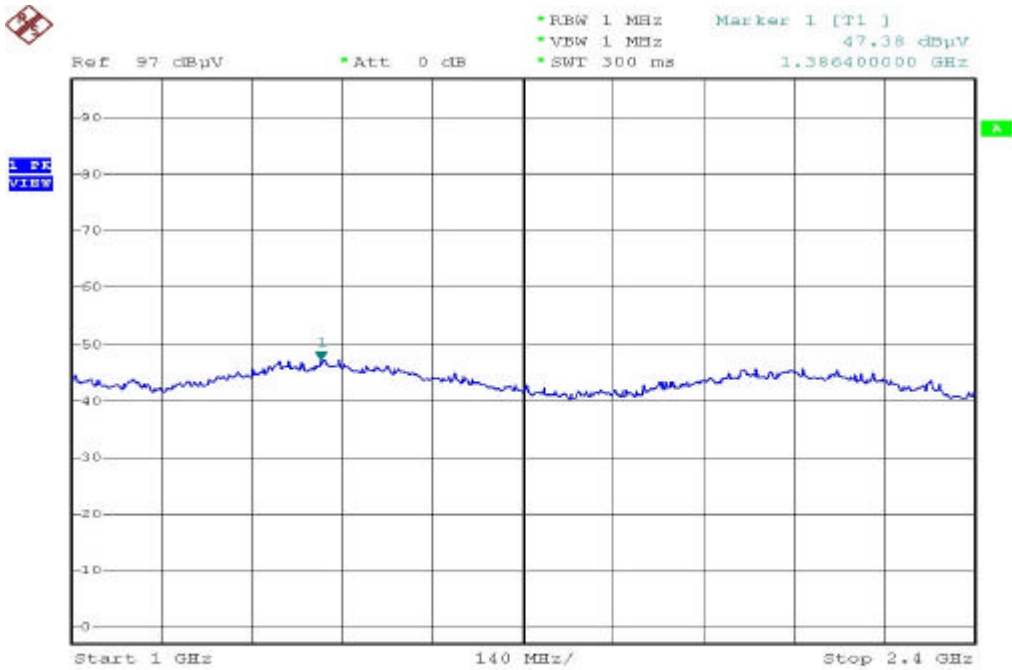
Pol/Phase: Horizontal

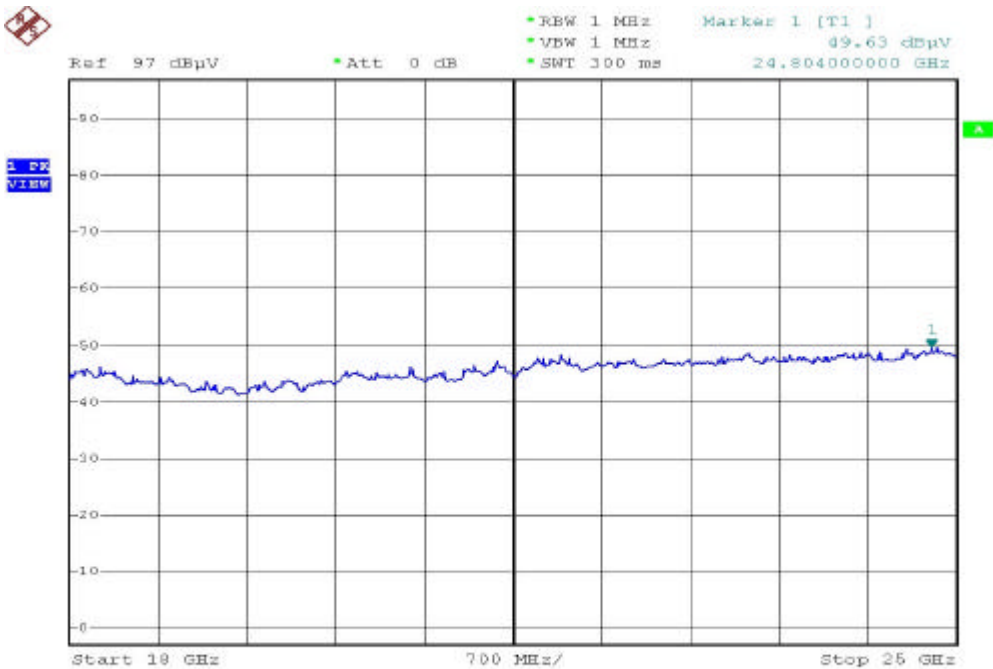
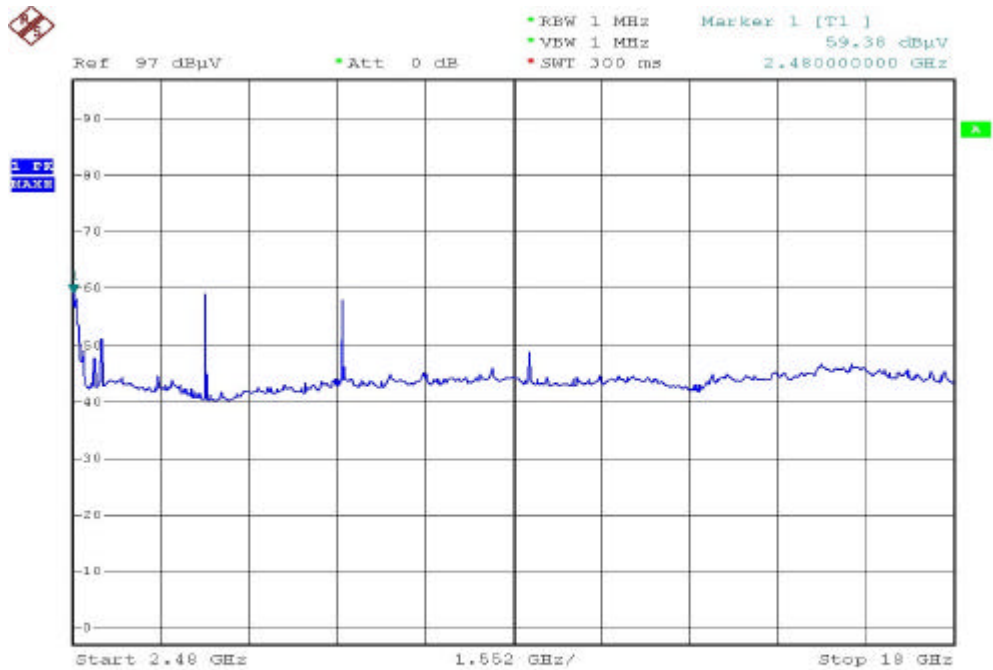




Modulation Standard: IEEE 802.11b

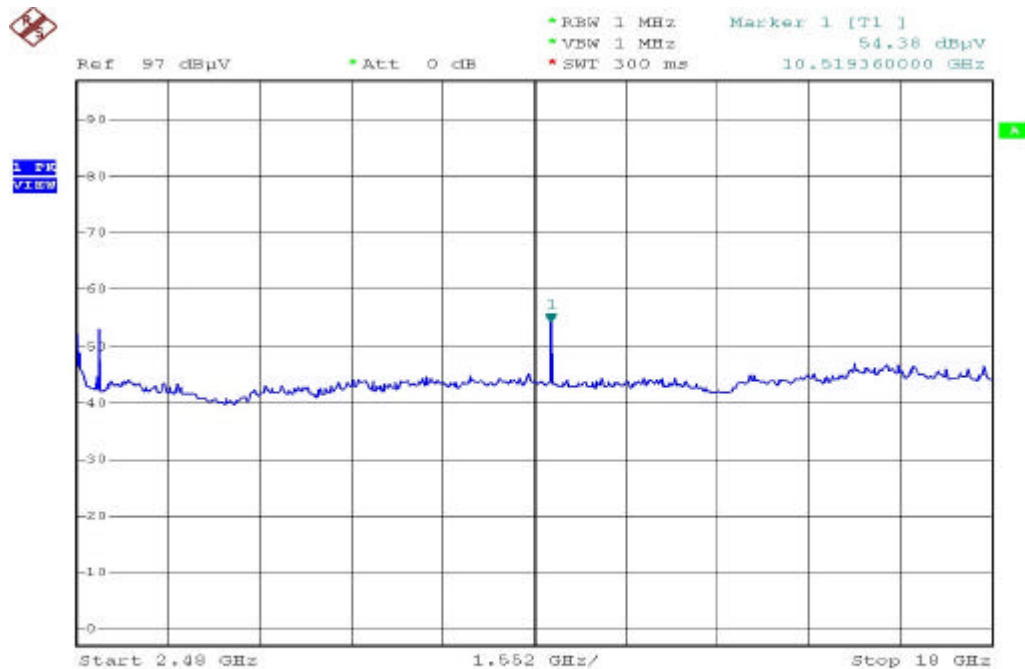
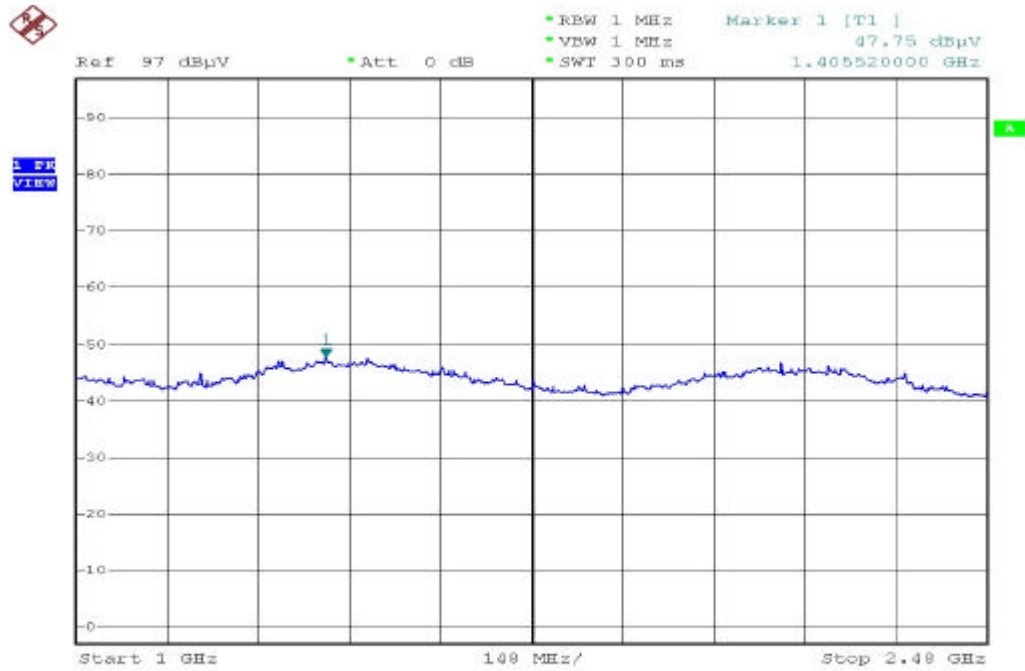
Pol/Phase: Vertical



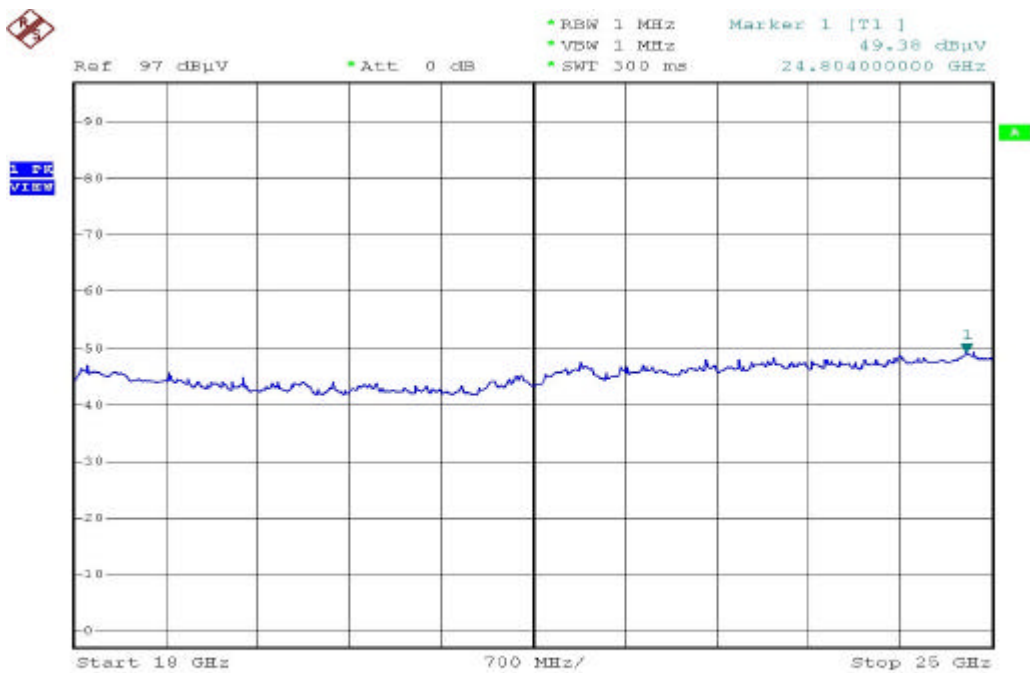


Modulation Standard: IEEE 802.11g

Pol/Phase: Horizontal

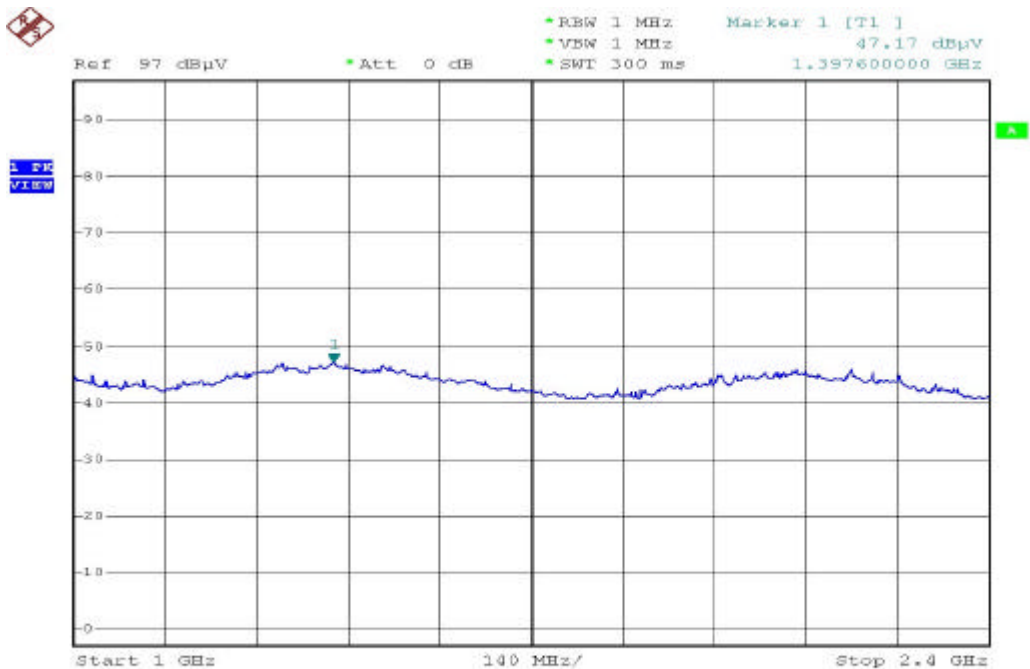


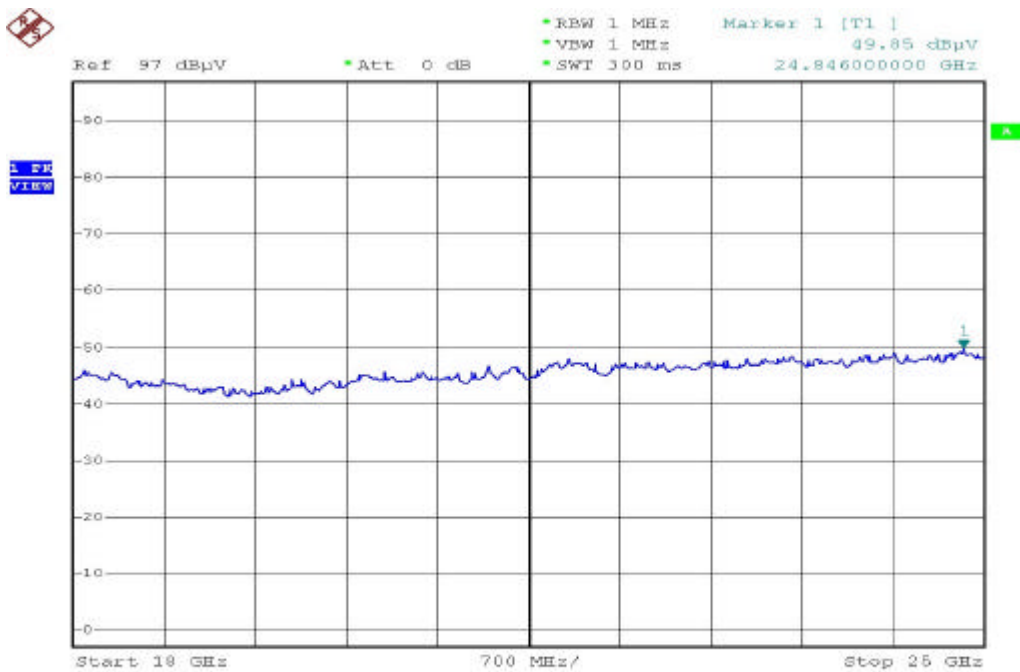
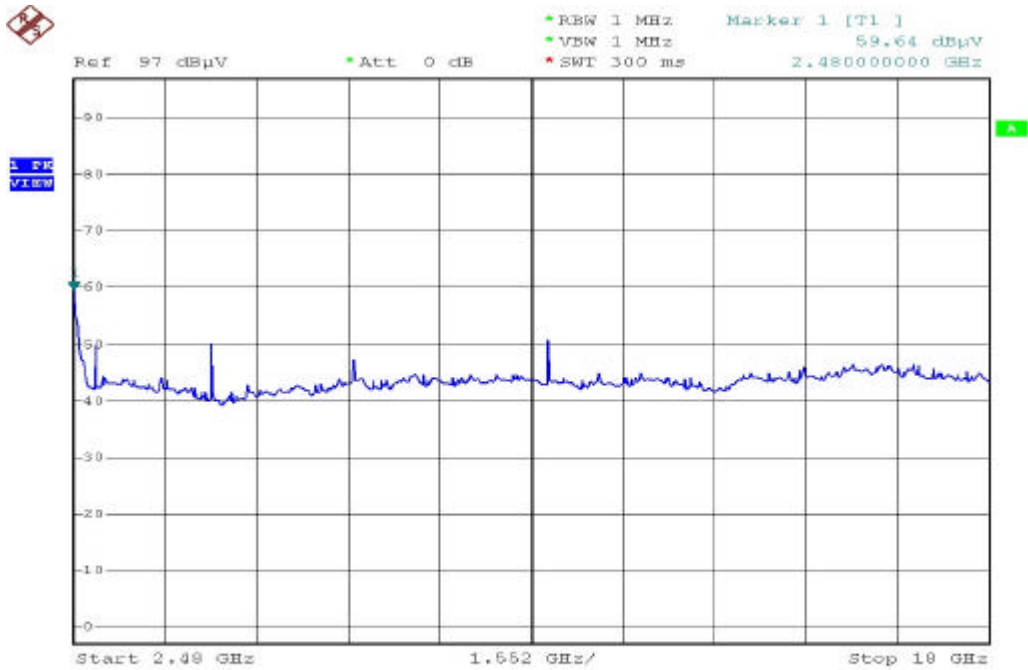
Date: 30.JUN.2004 11:38:23



Modulation Standard: IEEE 802.11g

Pol/Phase: Vertical



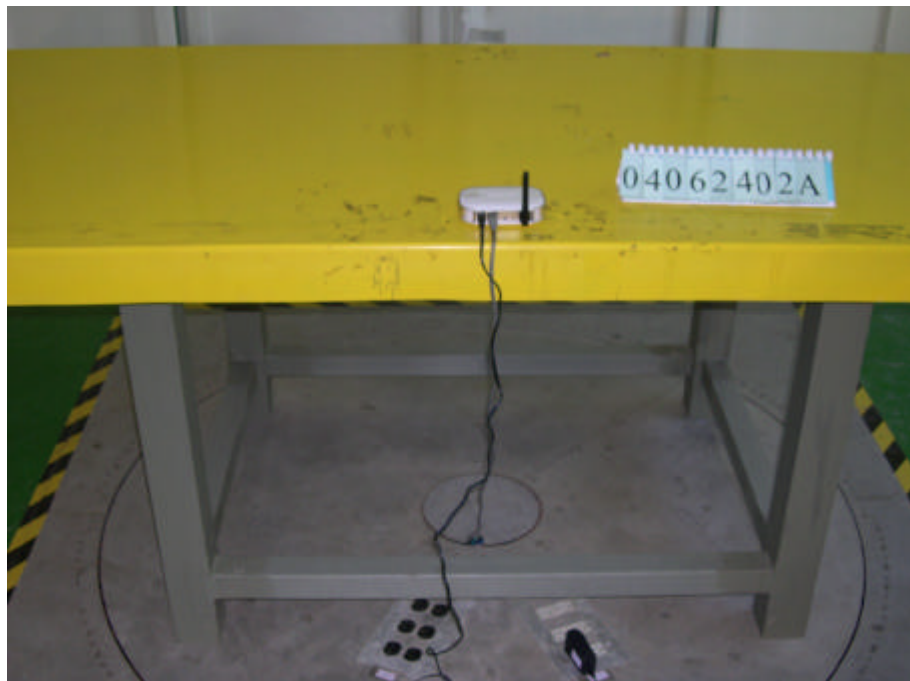


4.3.3. Photographs of Radiated Emission Test

FRONT VIEW



REAR VIEW



4.4. 6dB Bandwidth Measurement Data

(1) Modulation Standard: IEEE 802.11b

Test Date: Jun. 26, 2004 Temperature: 24 Humidity: 62%

- a) Channel 01: 6dB Emission Bandwidth is 8.8 MHz
- b) Channel 06: 6dB Emission Bandwidth is 8.9 MHz
- c) Channel 11: 6dB Emission Bandwidth is 8.8 MHz

(2) Modulation Standard: IEEE 802.11g

Test Date: Jun. 26, 2004 Temperature: 24 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 15.4 MHz

