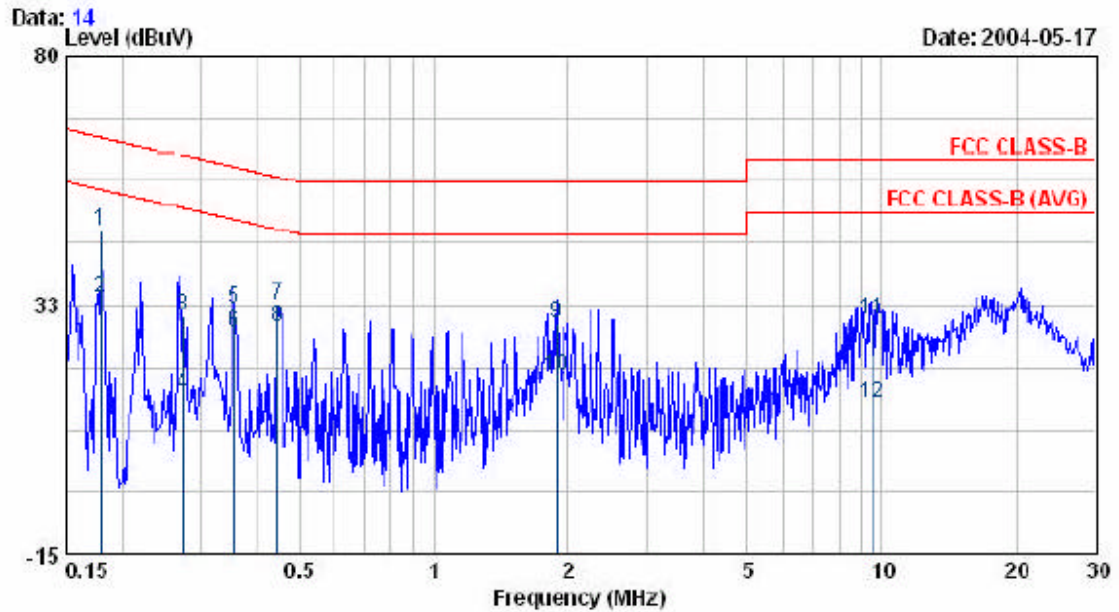


EUT : W6R-101(IP802SM)
 Power : 110V 60Hz
 Test Mode : 802.11g CH MID
 Memo :

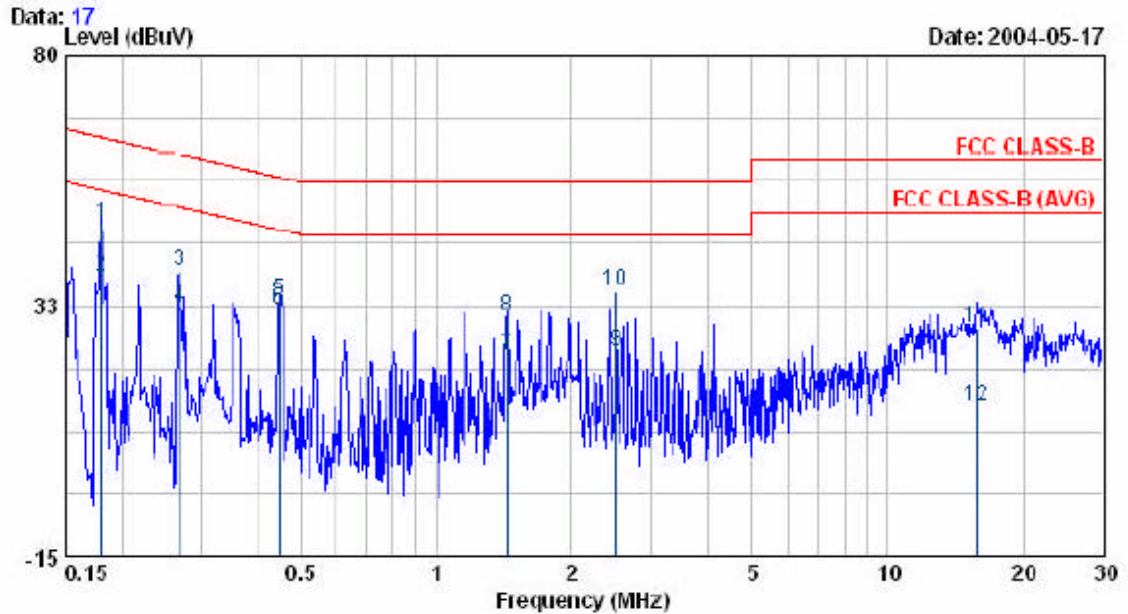
Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 57 %



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.179	46.19	0.41	46.60	64.55	-17.95	QP
0.179	33.37	0.41	33.78	54.55	-20.77	AVERAGE
0.274	29.82	0.44	30.26	60.99	-30.73	QP
0.274	15.25	0.44	15.69	50.99	-35.30	AVERAGE
0.357	31.28	0.45	31.73	58.80	-27.07	QP
0.357	26.80	0.45	27.25	48.80	-21.55	AVERAGE
0.445	31.71	0.47	32.18	56.96	-24.79	QP
0.445	27.56	0.47	28.03	46.96	-18.94	AVERAGE
1.883	28.44	0.54	28.98	56.00	-27.02	QP
1.883	18.62	0.54	19.16	46.00	-26.84	AVERAGE
9.467	28.95	0.62	29.57	60.00	-30.43	QP
9.467	13.40	0.62	14.02	50.00	-35.98	AVERAGE

EUT : WGR-101(IP802SM)
 Power : 110V 60Hz
 Test Mode : 802.11g CH HI
 Memo :

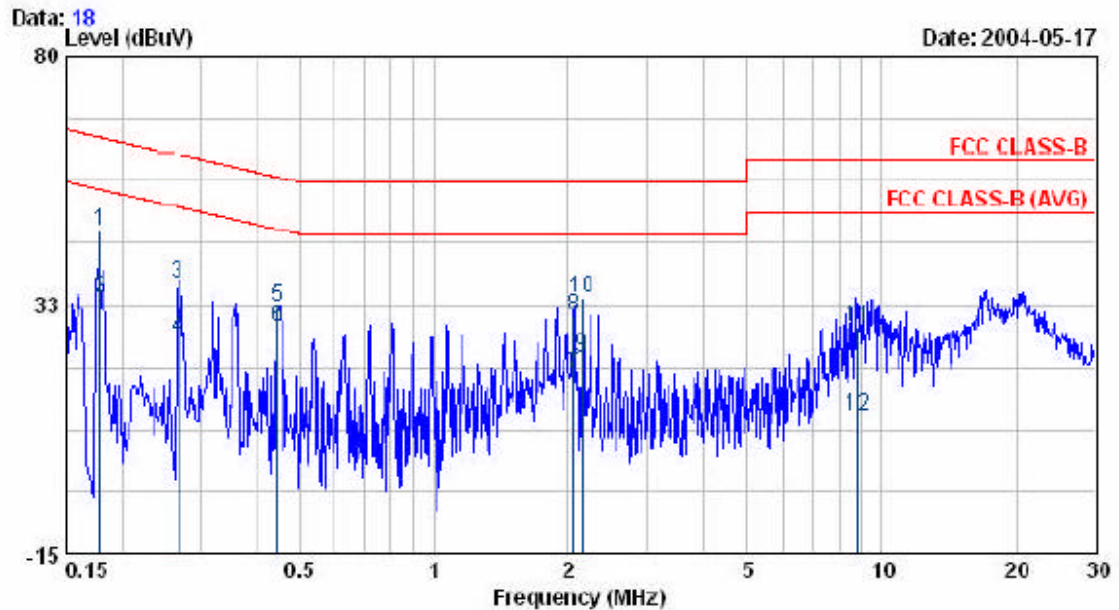
Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 57 %



Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.180	47.52	0.41	47.93	64.50	-16.57	QP
0.180	37.54	0.41	37.95	54.50	-16.55	AVERAGE
0.268	38.51	0.43	38.94	61.18	-22.24	QP
0.268	31.70	0.43	32.13	51.18	-19.05	AVERAGE
0.447	32.99	0.47	33.46	56.93	-23.48	QP
0.447	31.00	0.47	31.47	46.93	-15.47	AVERAGE
1.435	22.34	0.53	22.87	46.00	-23.13	AVERAGE
1.435	29.73	0.53	30.26	56.00	-25.74	QP
2.509	23.09	0.55	23.64	46.00	-22.36	AVERAGE
2.509	34.49	0.55	35.04	56.00	-20.96	QP
15.727	27.50	0.77	28.27	60.00	-31.73	QP
15.727	12.70	0.77	13.47	50.00	-36.53	AVERAGE

EUT : W6R-101(IP802SM)
 Power : 110V 60Hz
 Test Mode : 802.11g CH HI
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 57 %



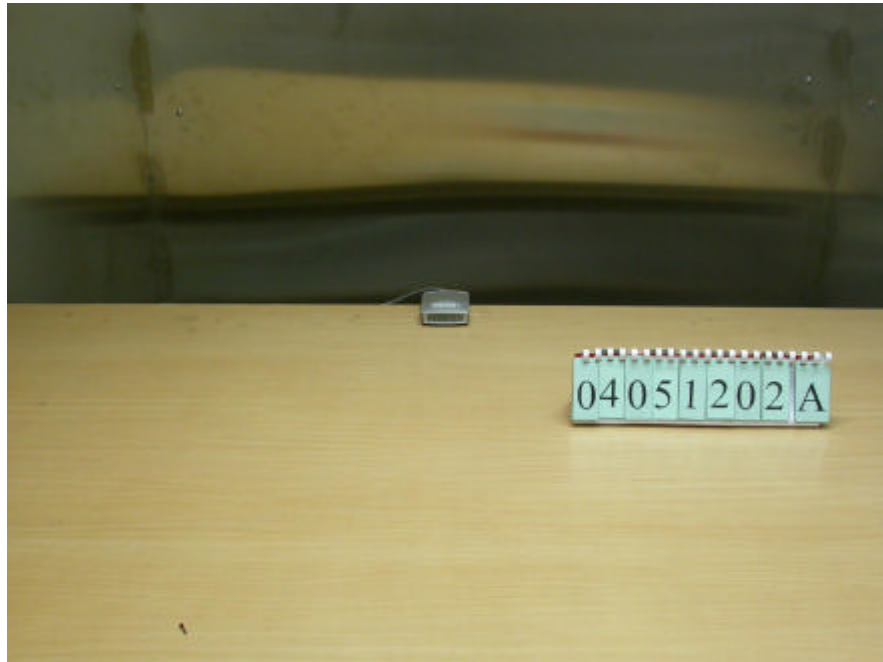
Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.178	46.30	0.41	46.71	64.58	-17.87	QP
0.178	33.37	0.41	33.78	54.58	-20.80	AVERAGE
0.267	36.24	0.43	36.67	61.21	-24.54	QP
0.267	25.51	0.43	25.94	51.21	-25.27	AVERAGE
0.445	31.46	0.46	31.92	56.98	-25.05	QP
0.445	27.57	0.46	28.03	46.98	-18.94	AVERAGE
2.059	18.92	0.54	19.46	46.00	-26.54	AVERAGE
2.059	29.79	0.54	30.33	56.00	-25.67	QP
2.148	22.08	0.55	22.63	46.00	-23.37	AVERAGE
2.148	33.15	0.55	33.70	56.00	-22.30	QP
8.789	27.48	0.62	28.10	60.00	-31.90	QP
8.789	10.74	0.62	11.36	50.00	-38.64	AVERAGE

Test by:

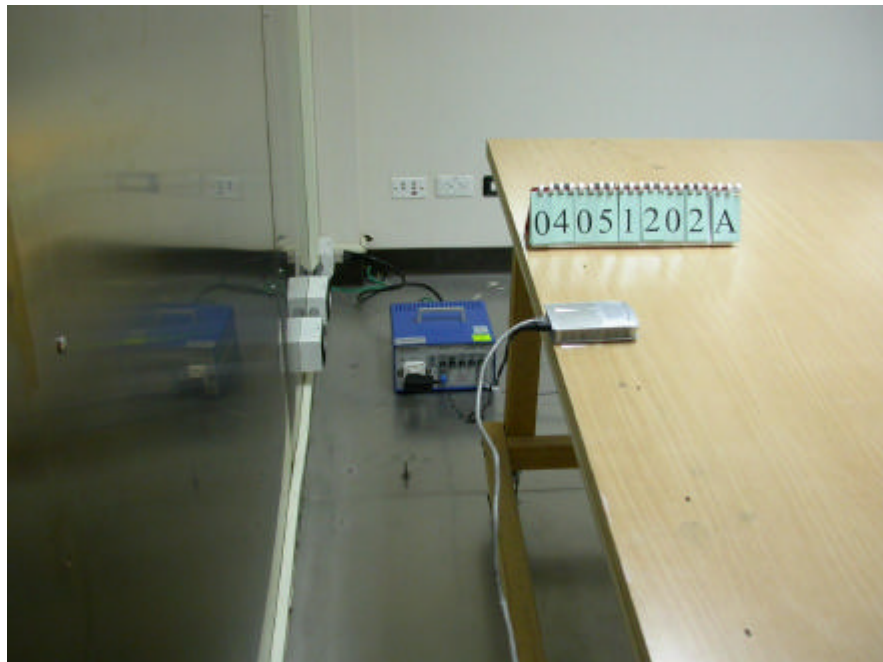
Jerry

4.2.1. Photographs of Conducted Emission Test

FRONT VIEW

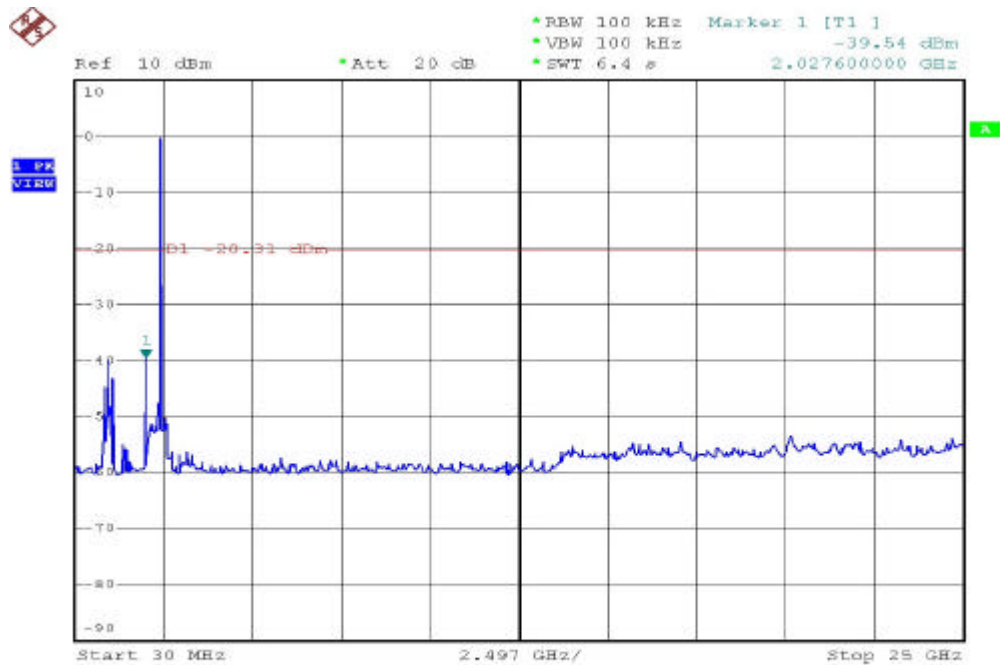
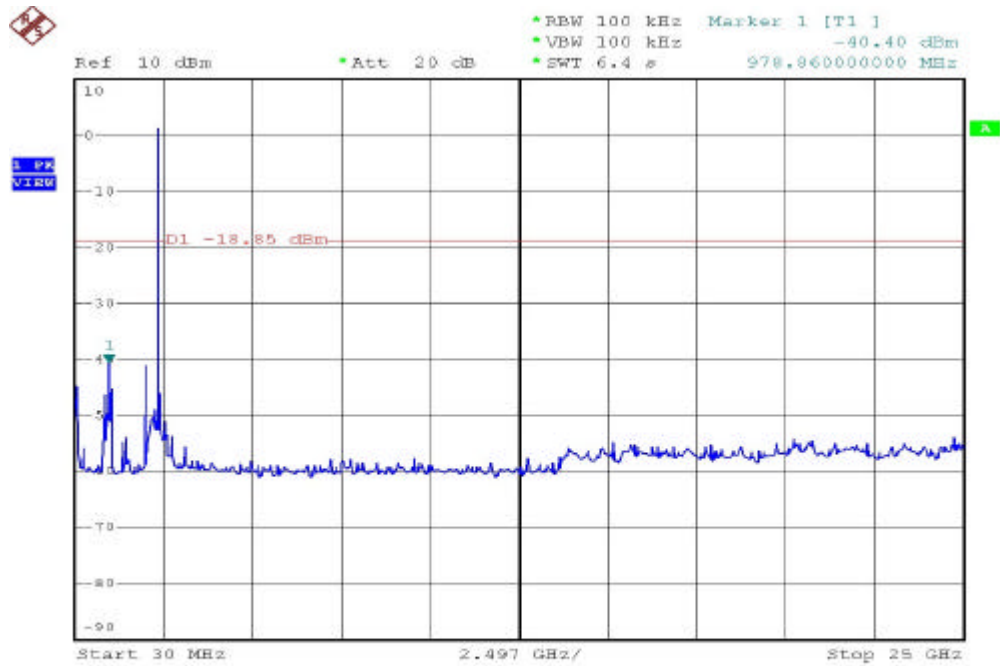


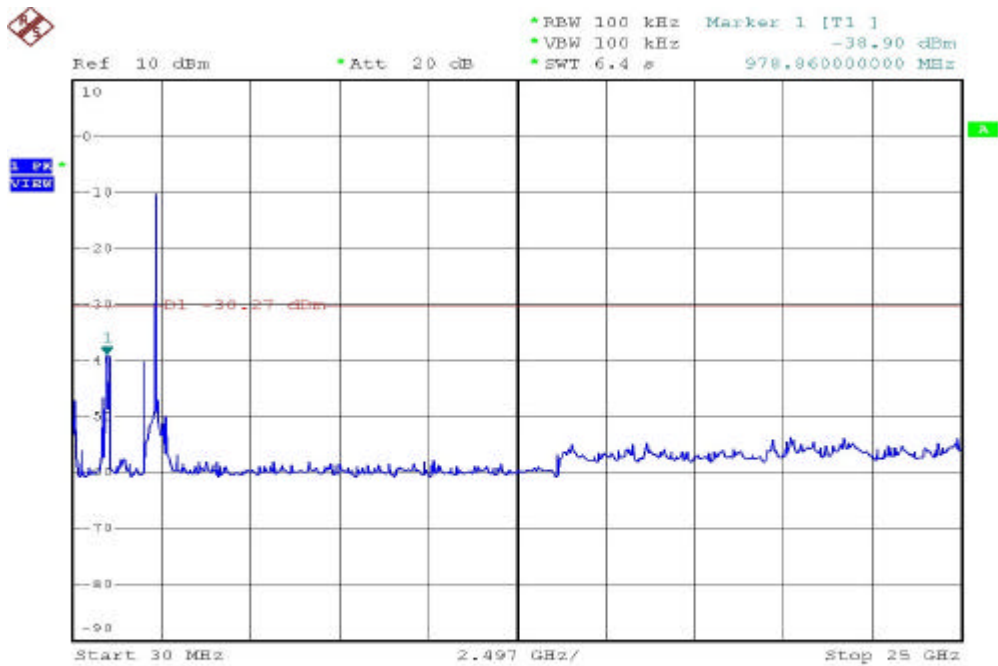
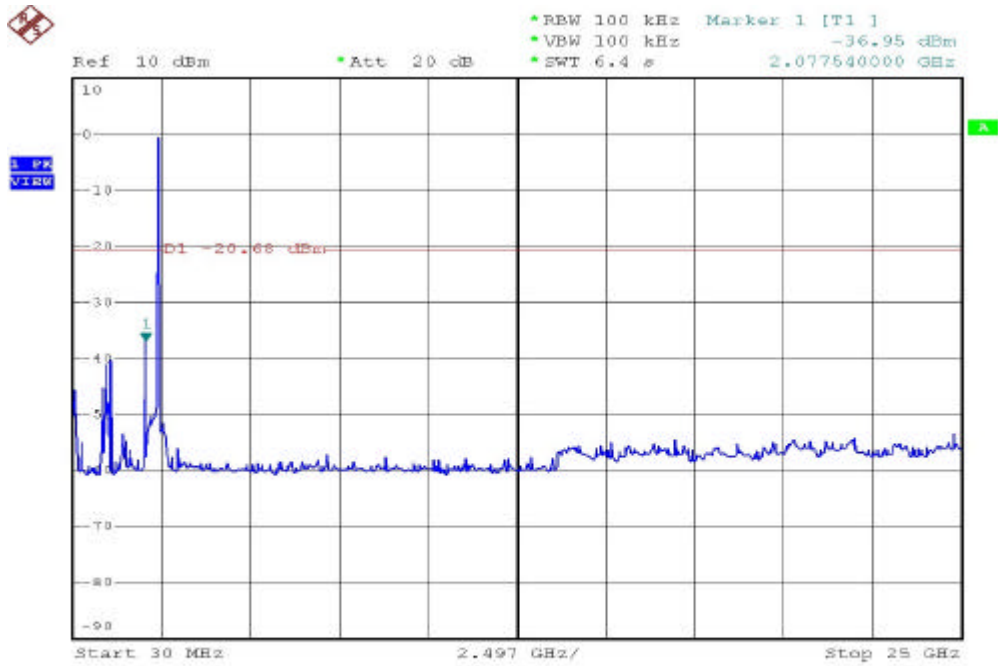
REAR VIEW

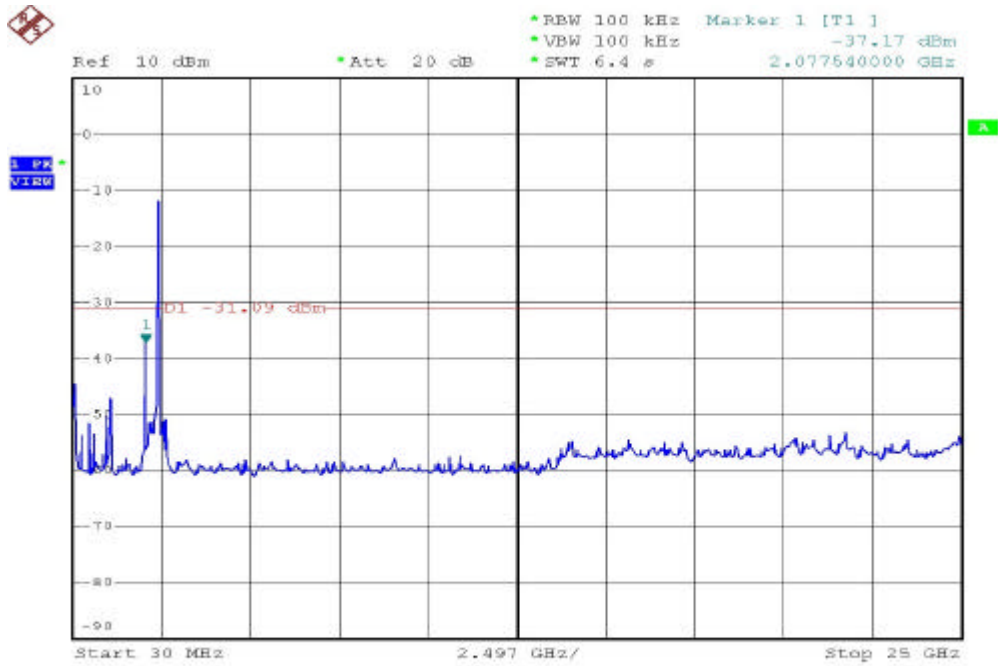
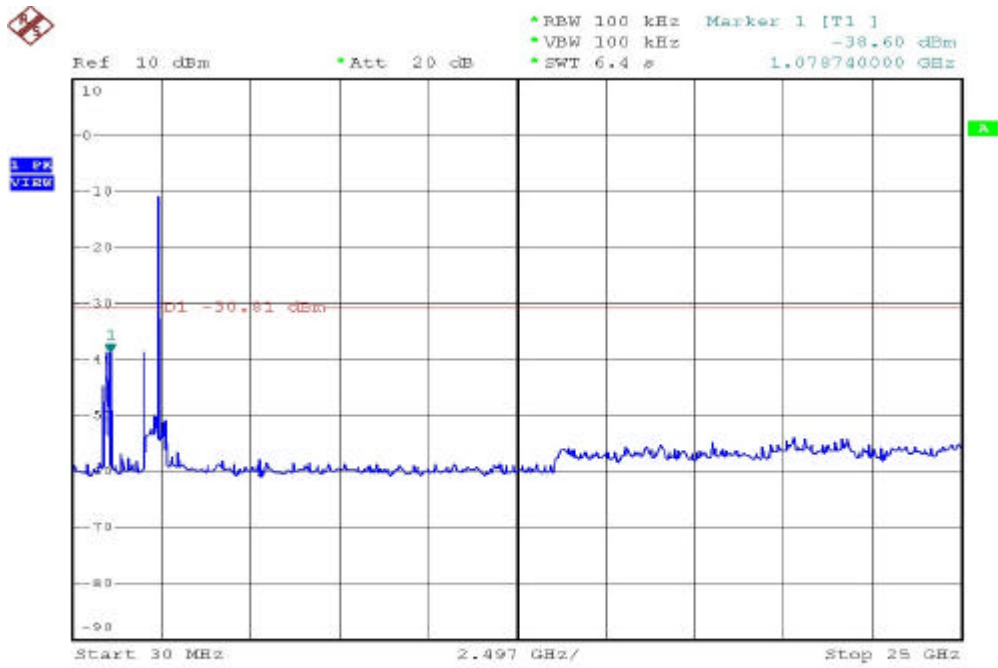


4.3. RF Portion

4.3.1. Test Result of Conducted Emission

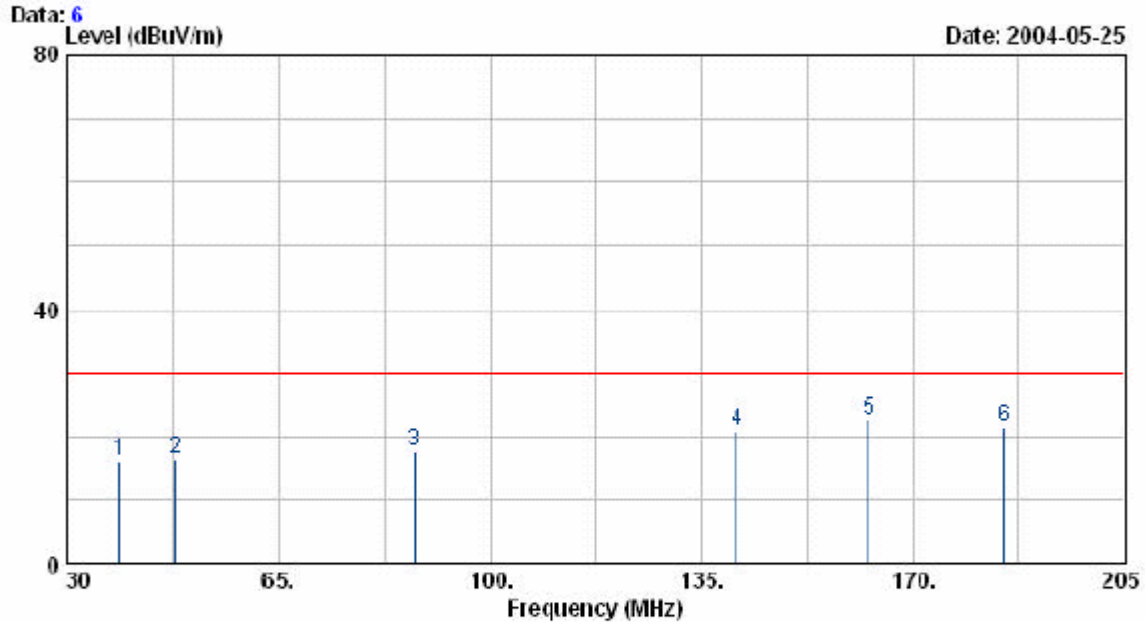






4.3.2. Test Result of Radiated Emission

EUT : WGR-101
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :
 Pol/Phase : HORIZONTAL
 Temperature : 28 ℃
 Humidity : 65 %

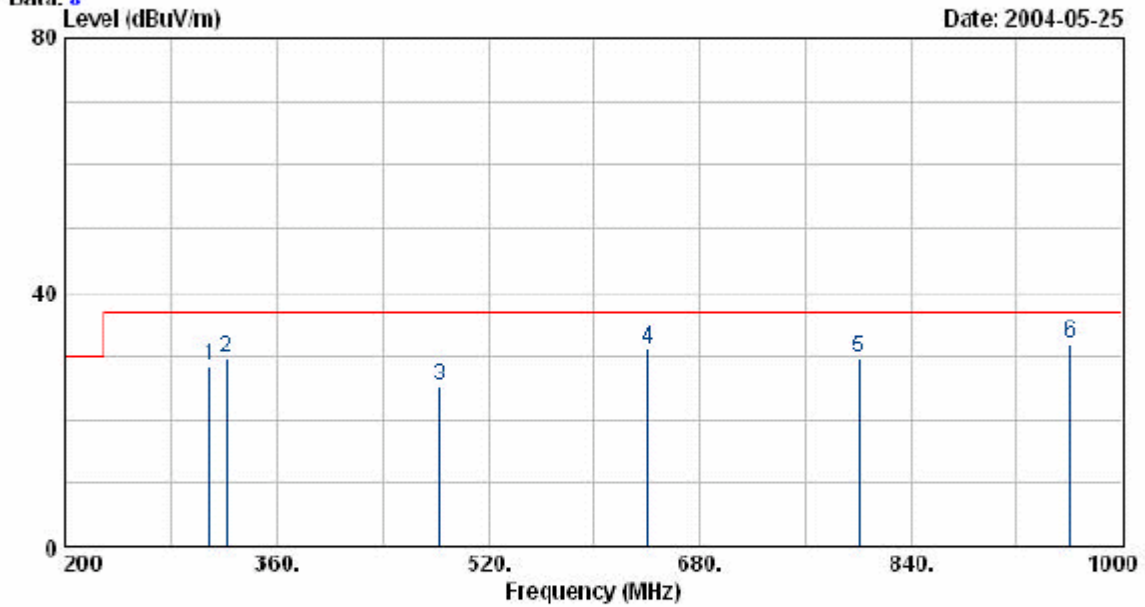


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
33.75	29.21	-13.13	16.07	30.00	-13.93	Peak	400	260
43.03	34.38	-18.36	16.02	30.00	-13.98	Peak	400	120
87.40	36.79	-19.13	17.66	30.00	-12.34	Peak	200	90
140.95	35.98	-15.03	20.95	30.00	-9.05	Peak	200	170
162.83	38.90	-16.33	22.57	30.00	-7.43	Peak	200	140
185.40	39.01	-17.55	21.46	30.00	-8.54	Peak	200	100

EUT : WGR-101
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : HORIZONTAL
 Temperature : 28 °C
 Humidity : 65 %

Data: 8



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
310.40	39.67	-11.24	28.43	37.00	-8.57	Peak	400	210
322.40	40.35	-10.87	29.48	37.00	-7.52	Peak	200	80
482.40	32.37	-7.25	25.12	37.00	-11.88	Peak	200	50
640.80	35.40	-4.28	31.12	37.00	-5.88	Peak	400	250
800.80	30.11	-6.52	23.60	37.00	-7.40	Peak	400	60
960.80	28.88	-3.07	31.96	37.00	-5.04	Peak	200	120

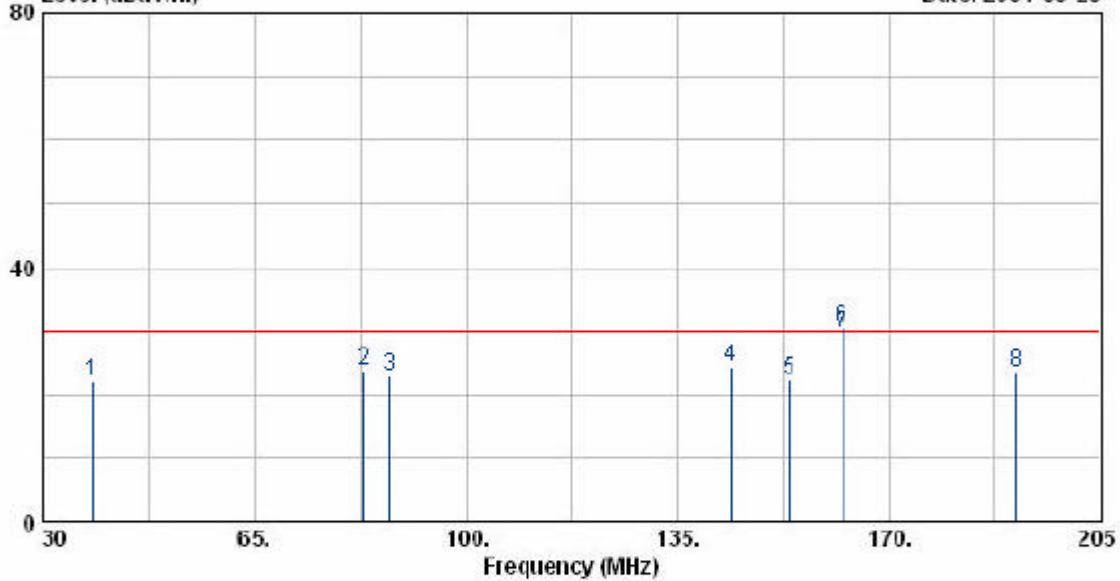
EUT : WGR-101
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : VERTICAL
 Temperature : 28 ℃
 Humidity : 65 %

Data: 2

Level (dBuV/m)

Date: 2004-05-25



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
38.23	34.66	-12.82	21.83	30.00	-8.17	Peak	100	250
82.35	43.68	-19.82	23.86	30.00	-6.14	Peak	200	160
87.73	41.88	-19.15	22.73	30.00	-7.27	Peak	100	80
143.75	39.40	-15.04	24.36	30.00	-5.64	Peak	200	180
153.55	37.91	-15.60	22.32	30.00	-7.68	Peak	200	160
162.30	46.78	-16.29	30.49	30.00	0.49	Peak	100	190
162.30	45.98	-16.29	29.69	30.00	-0.31	QP	100	260
191.18	40.79	-17.31	23.48	30.00	-6.52	Peak	100	240

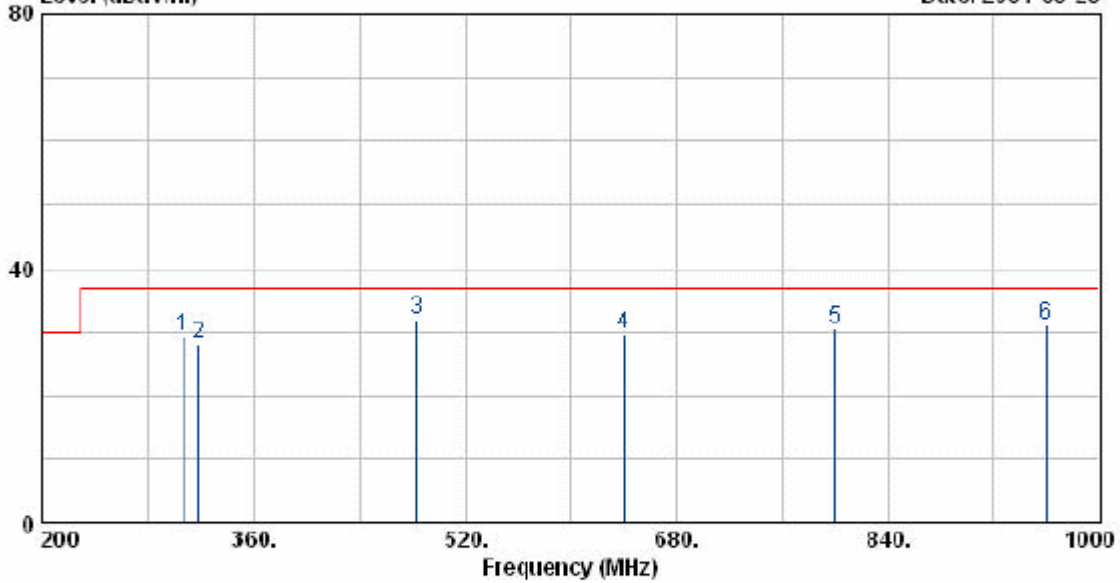
EUT : WGR-101
 Power : 110V 60Hz
 Test Mode : LINK
 Memo :

Pol/Phase : VERTICAL
 Temperature : 28 °C
 Humidity : 65 %

Data: 4

Level (dBuV/m)

Date: 2004-05-25



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark	Ant Pos	Tab Pos
MHz	dBuV	dBuV/m	dBuV/m	dB	dB			
307.20	40.60	-11.31	29.29	37.00	-7.71	Peak	100	120
319.20	39.06	-10.96	28.10	37.00	-8.90	Peak	100	190
487.40	39.73	-7.25	31.99	37.00	-5.01	Peak	200	280
640.00	33.79	-4.24	29.55	37.00	-7.45	Peak	100	260
800.00	31.13	-0.53	30.60	37.00	-6.40	Peak	200	170
960.00	28.15	3.05	31.20	37.00	-5.80	Peak	200	160

Test by: Tony

Modulation Standard: IEEE 802.11b

a) Emission frequencies below 1 GHz

Test Date: May. 24, 2004 Temperature: 25 Humidity: 59%

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)
924.40	H	36.36	3.66	40.02	46.0	-5.98	180	1.5
37.29	V	48.70	-13.11	35.59	40.0	-4.41	180	1.5
39.99	V	52.23	-14.46	37.77	40.0	-2.23	180	1.5
126.93	V	54.84	-15.61	39.23	43.5	-4.27	180	1.5
132.33	V	55.45	-15.54	39.91	43.5	-3.59	180	1.5
481.30	V	51.48	-6.54	44.94	46.0	-1.06	180	1.5
642.30	V	45.26	-2.08	43.18	46.0	-2.82	180	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: May. 24, 2004 Temperature: 25 Humidity: 59%

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)
481.30	H	47.73	-6.53	41.20	46.0	-4.81	180	1.5
640.90	H	41.04	-2.09	38.95	46.0	-7.05	180	1.5
924.40	H	37.70	3.66	41.36	46.0	-4.64	180	1.5
39.99	V	52.58	-14.46	38.12	40.0	-1.88	180	1.5
112.08	V	56.34	-16.31	40.03	43.5	-3.47	180	1.5
126.93	V	56.05	-15.61	40.44	43.5	-3.06	180	1.5
132.33	V	55.45	-15.54	39.91	43.5	-3.59	180	1.5
160.68	V	59.13	-17.06	42.07	43.5	-1.43	180	1.5

Notes:

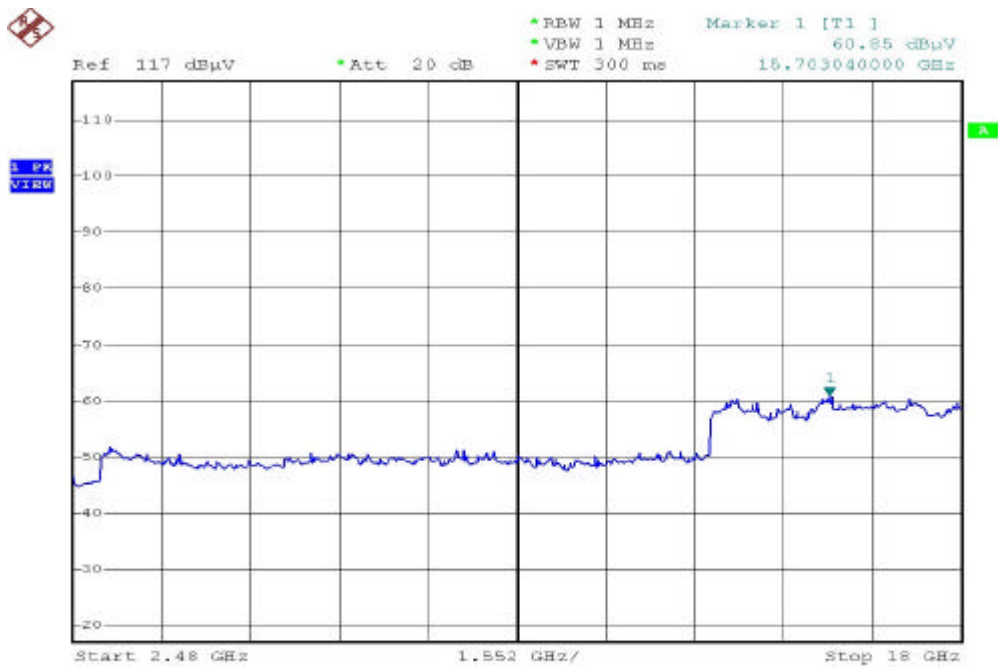
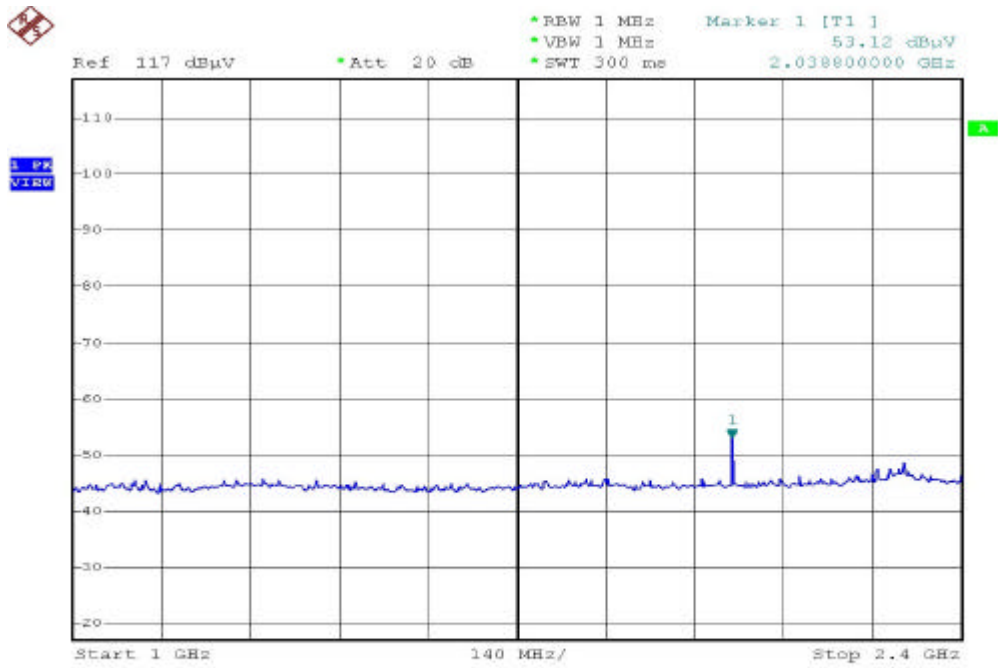
1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier

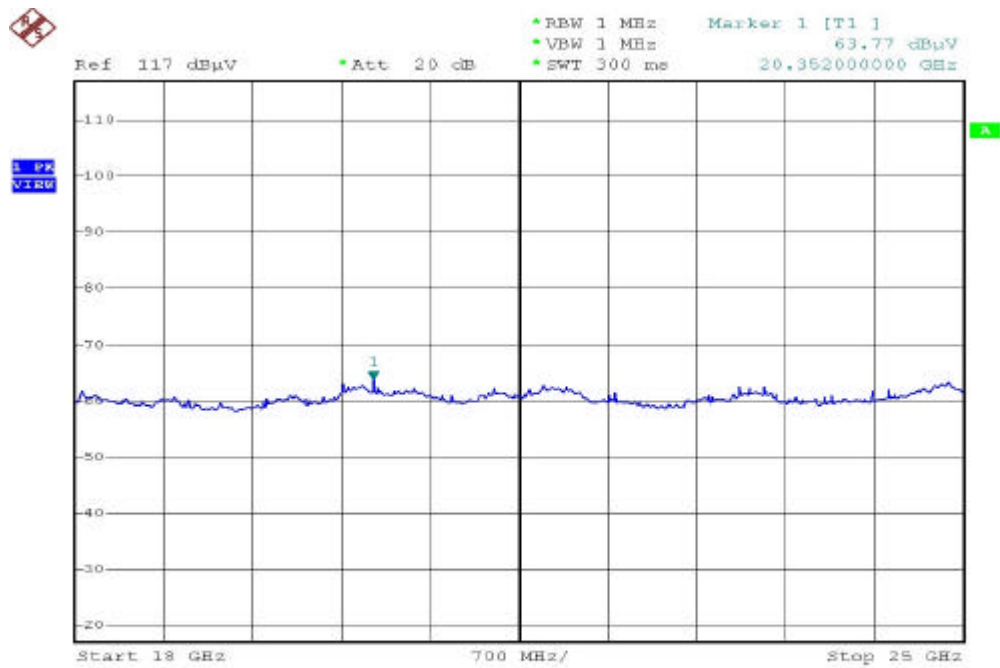
b) Emission frequencies above 1 GHz

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

Modulation Standard: IEEE 802.11b

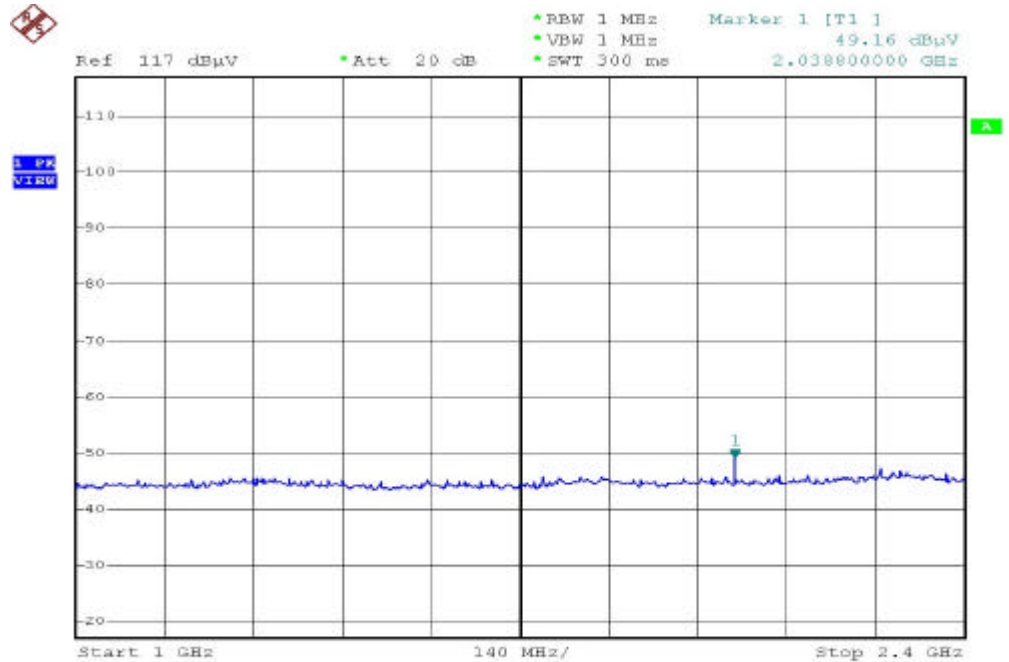
Pol/Phase: Horizontal

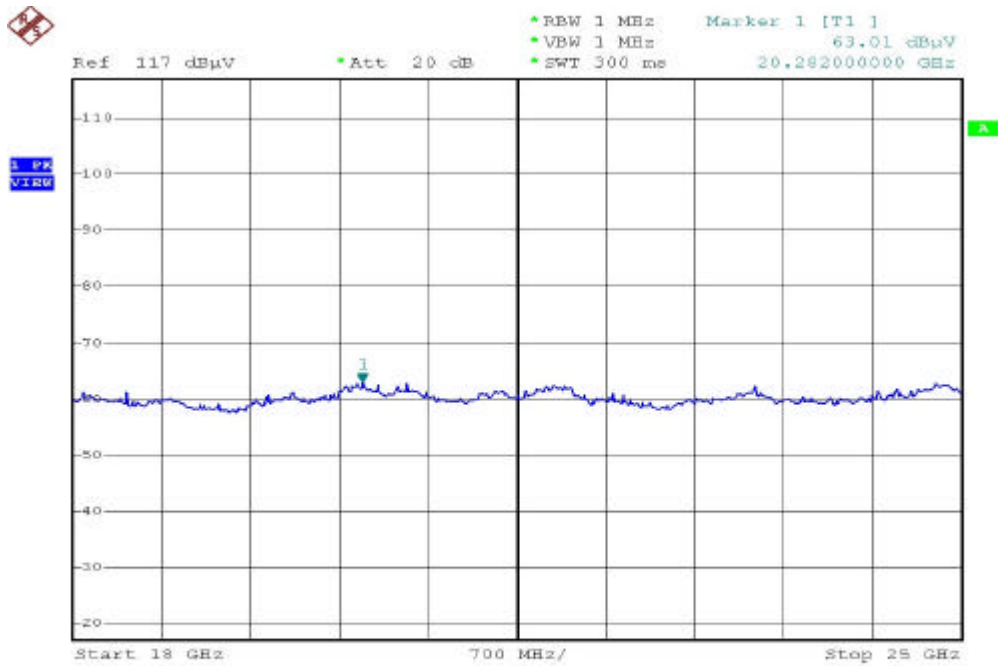
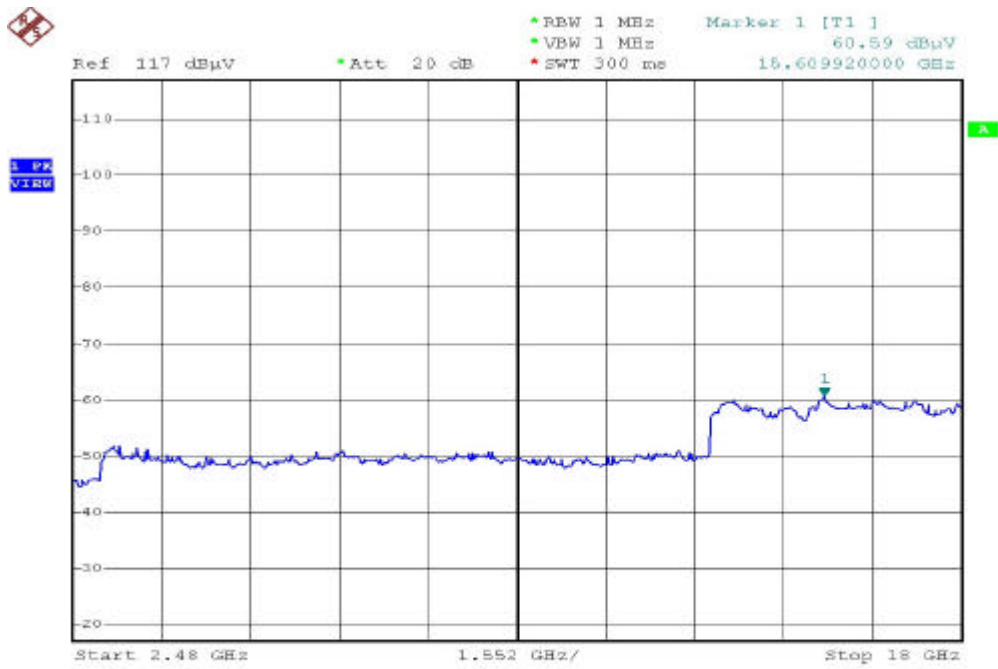




Modulation Standard: IEEE 802.11b

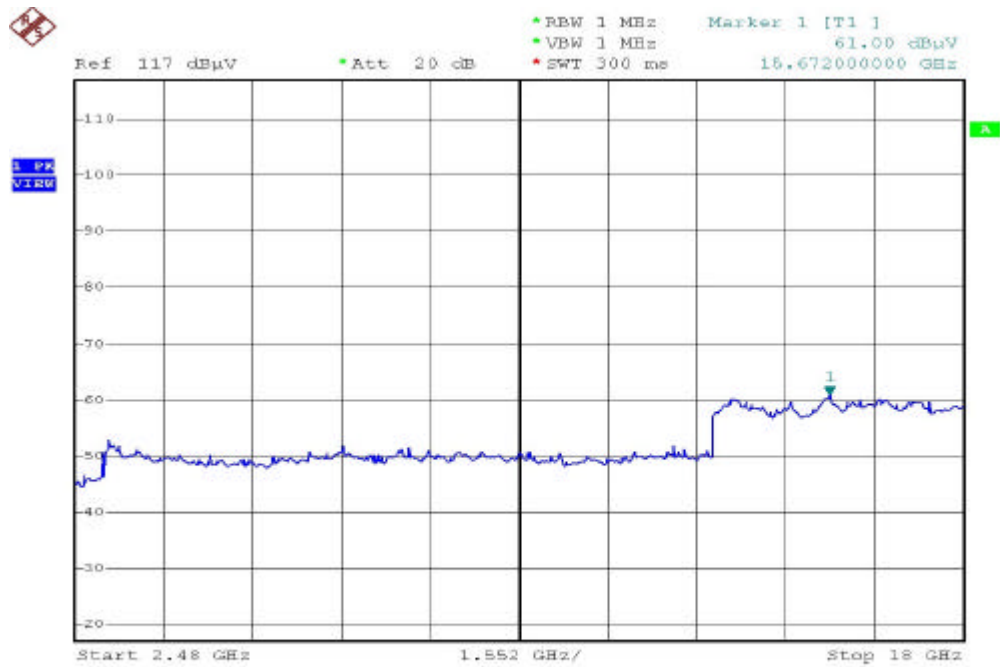
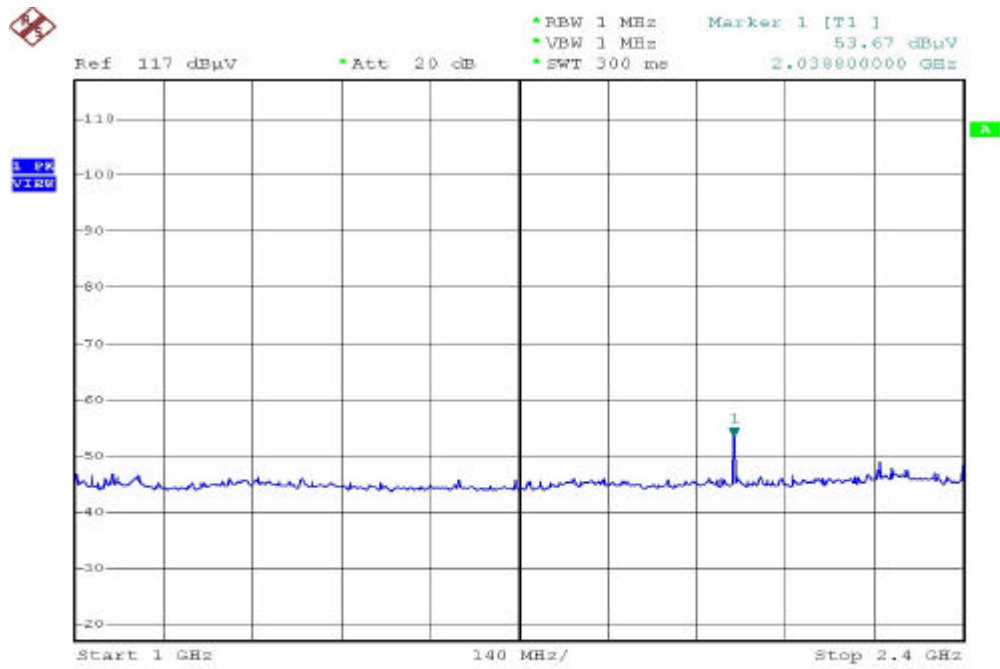
Pol/Phase: Vertical

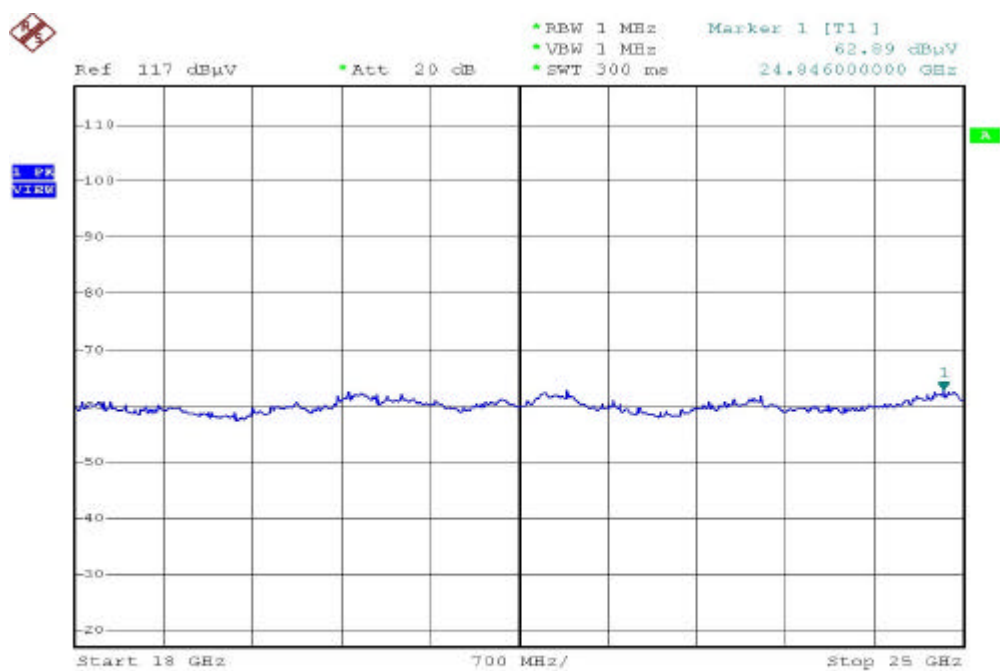




Modulation Standard: IEEE 802.11g

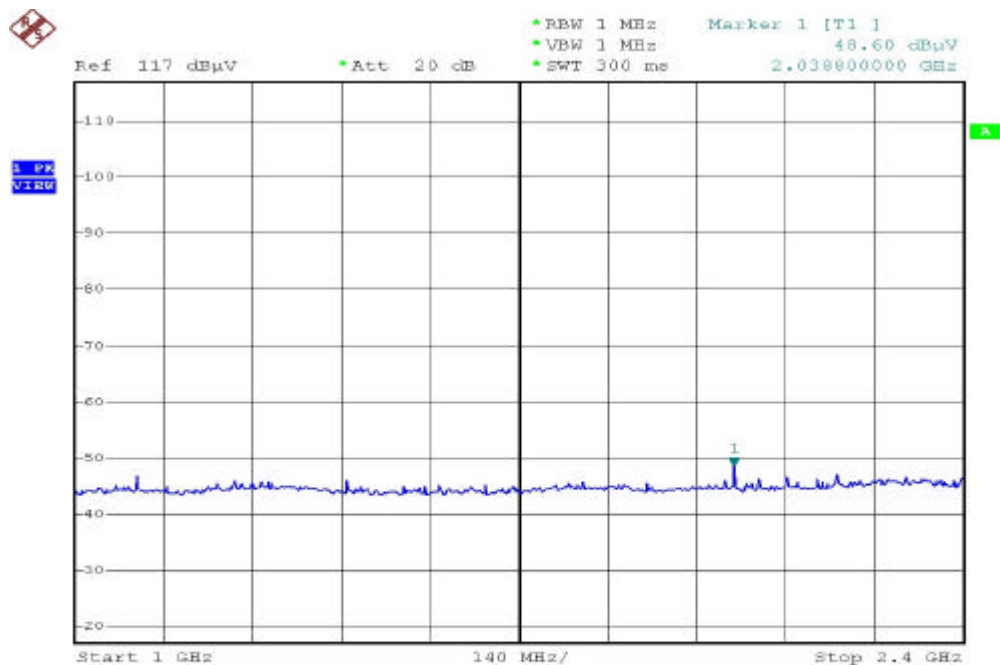
Pol/Phase: Horizontal

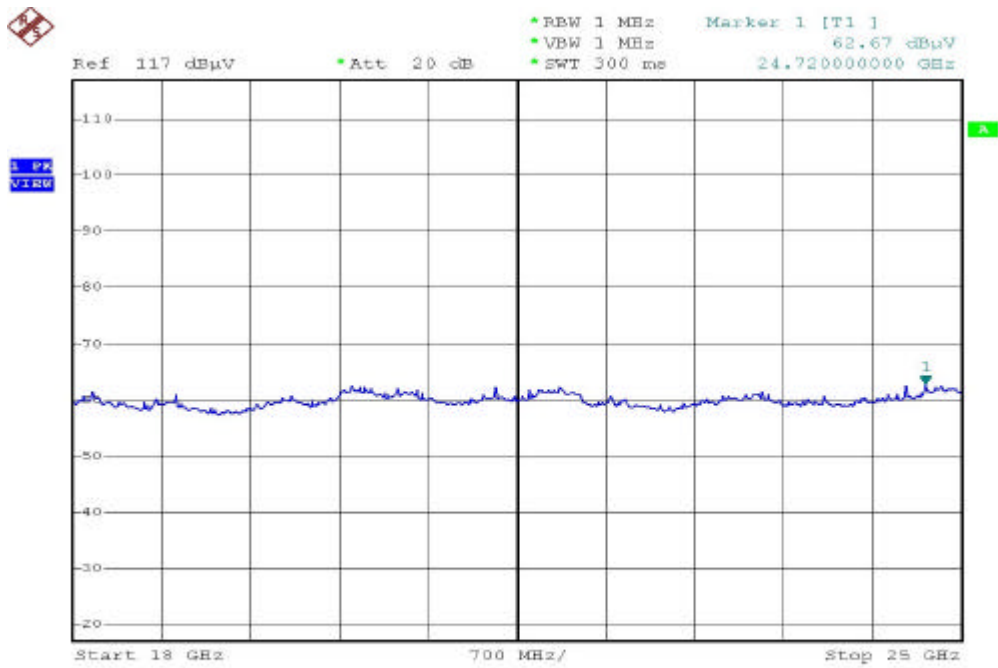
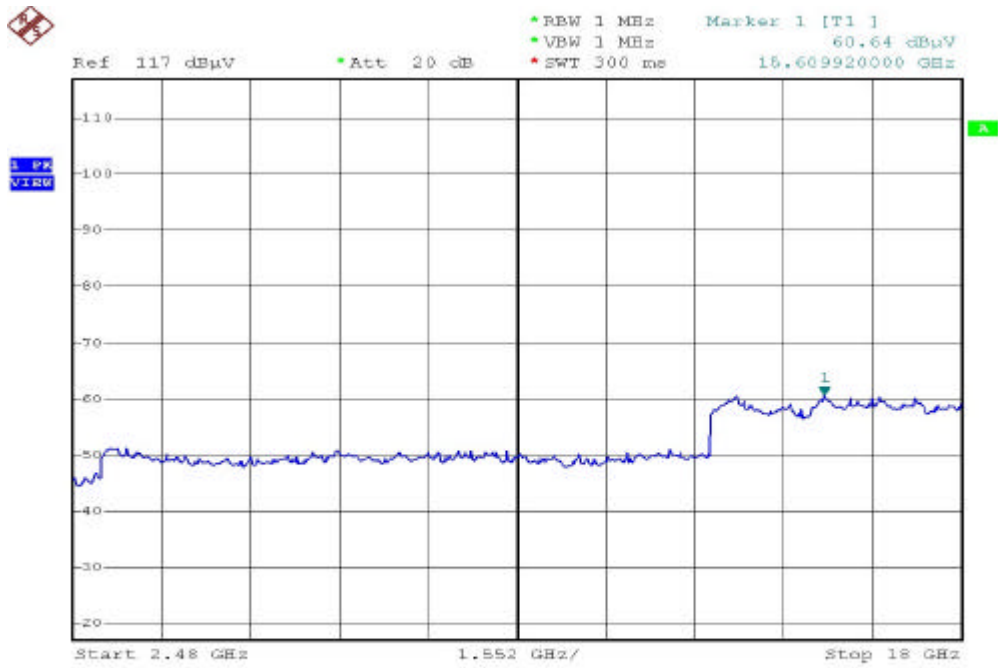




Modulation Standard: IEEE 802.11g

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: May. 18. 2004 Temperature: 25 Humidity: 58%

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

(2) Modulation Standard: IEEE 802.11g

Test Date: May. 18. 2004 Temperature: 25 Humidity: 58%

- a) Channel 01: 6dB Emission Bandwidth is 16.00 MHz
- b) Channel 06: 6dB Emission Bandwidth is 15.50 MHz
- c) Channel 11: 6dB Emission Bandwidth is 15.70 MHz

