



MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	56.90 PK	74.00	-17.10	1.00 H	275	25.60	31.30
1	2233.00	47.90 AV	54.00	-6.10	1.00 H	275	16.60	31.30
2	2320.00	57.00 PK	74.00	-17.00	1.02 H	214	25.30	31.70
2	2320.00	46.10 AV	54.00	-7.90	1.02 H	214	14.40	31.70
3	2390.00	62.10 PK	74.00	-11.90	1.02 H	214	30.20	31.90
3	2390.00	46.30 AV	54.00	-7.70	1.02 H	214	14.40	31.90
4	*2437.00	111.20 PK			1.02 H	207	79.10	32.10
4	*2437.00	100.10 AV			1.02 H	207	68.00	32.10
5	2483.50	61.80 PK	74.00	-12.20	1.02 H	214	29.50	32.30
5	2483.50	47.40 AV	54.00	-6.60	1.02 H	214	15.10	32.30
6	4874.00	45.80 PK	74.00	-28.20	1.05 H	34	9.70	36.10
6	4874.00	34.30 AV	54.00	-19.70	1.05 H	34	-1.80	36.10
7	7311.00	52.10 PK	74.00	-21.90	1.27 H	146	9.60	42.50
7	7311.00	41.80 AV	54.00	-12.20	1.27 H	146	-0.70	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	61.60 PK	74.00	-12.40	1.05 V	190	30.30	31.30
1	2233.00	53.40 AV	54.00	-0.60	1.05 V	190	22.10	31.30
2	2320.00	71.00 PK	74.00	-3.00	1.11 V	3	39.40	31.70
2	2320.00	51.50 AV	54.00	-2.50	1.11 V	3	19.80	31.70
3	2390.00	61.10 PK	74.00	-12.90	1.11 V	3	29.20	31.90
3	2390.00	52.30 AV	54.00	-1.70	1.11 V	3	20.30	31.90
4	*2437.00	120.00 PK			1.14 V	340	87.80	32.10
4	*2437.00	108.90 AV			1.14 V	340	76.80	32.10
5	2483.50	72.50 PK	74.00	-1.50	1.10 V	8	40.30	32.30
5	2483.50	52.40 AV	54.00	-1.60	1.10 V	8	20.10	32.30
6	4874.00	46.90 PK	74.00	-27.10	1.06 V	243	10.80	36.10
6	4874.00	35.20 AV	54.00	-18.80	1.06 V	243	-0.90	36.10
7	7311.00	54.70 PK	74.00	-19.30	1.12 V	164	12.20	42.50
7	7311.00	45.20 AV	54.00	-8.80	1.12 V	164	2.70	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

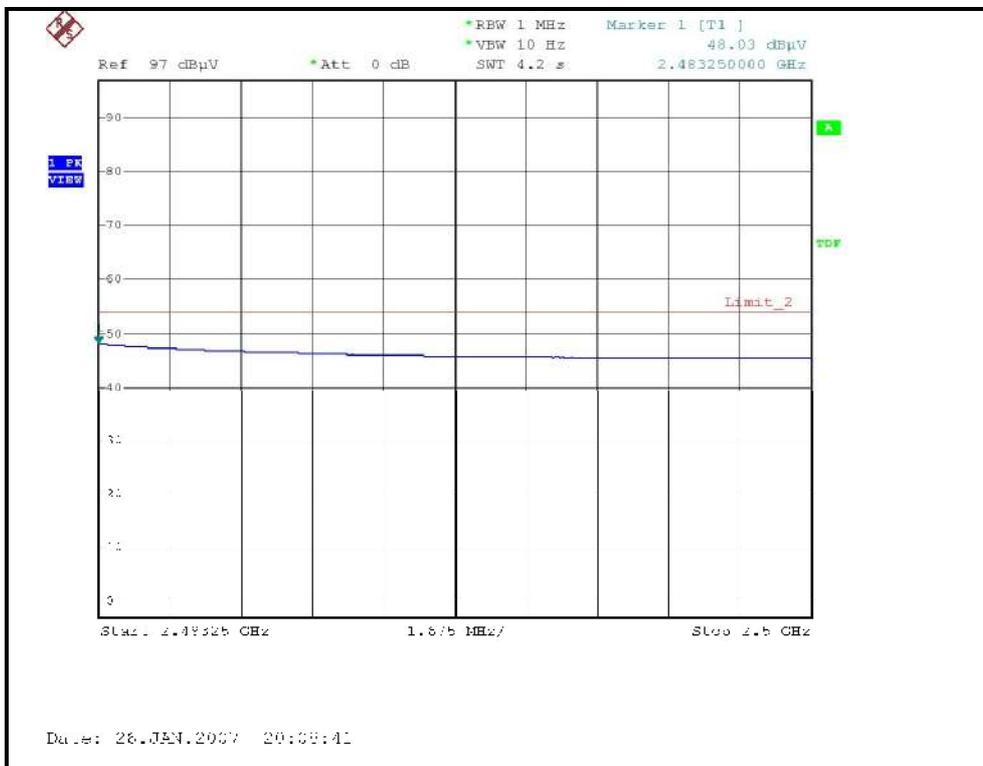
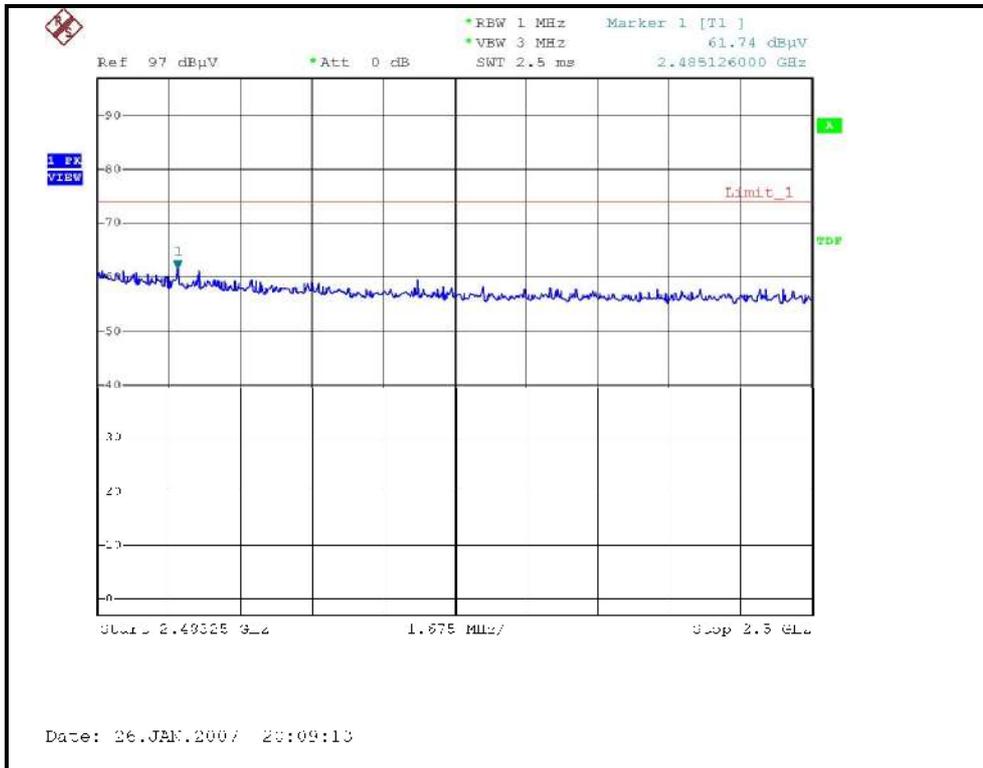
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	104.50 PK			1.23 H	216	72.30	32.20
1	*2462.00	94.20 AV			1.23 H	216	62.00	32.20
2	2483.50	61.70 PK	74.00	-12.30	1.23 H	216	29.50	32.30
2	2483.50	48.00 AV	54.00	-6.00	1.23 H	216	15.70	32.30
3	4924.00	45.30 PK	74.00	-28.70	1.09 H	53	9.10	36.20
3	4924.00	33.40 AV	54.00	-20.60	1.09 H	53	-2.80	36.20
4	7386.00	51.10 PK	74.00	-22.90	1.31 H	256	8.30	42.80
4	7386.00	39.40 AV	54.00	-14.60	1.31 H	256	-3.40	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	112.10 PK			1.12 V	352	79.90	32.20
1	*2462.00	101.50 AV			1.12 V	352	69.30	32.20
2	2483.50	71.00 PK	74.00	-3.00	1.10 V	6	38.70	32.30
2	2483.50	53.50 AV	54.00	-0.50	1.10 V	6	21.20	32.30
3	4924.00	45.70 PK	74.00	-28.30	1.17 V	238	9.50	36.20
3	4924.00	34.10 AV	54.00	-19.90	1.17 V	238	-2.10	36.20
4	7386.00	51.30 PK	74.00	-22.70	1.04 V	325	8.50	42.80
4	7386.00	39.70 AV	54.00	-14.30	1.04 V	325	-3.10	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

RESTRICTED BANDEDGE (802.11g MODE,CH11, HORIZONTAL)



4.2.10 TEST RESULTS (ANTENNA 5)

Below 1GHz Worst-Case Data

MODULATION TYPE	DSSS	CHANNEL	Channel 1
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 56%RH, 970hPa	TRANSFER RATE	1Mbps
TESTED BY	Wen Yu	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	149.00	33.80 QP	43.50	-9.70	1.91 H	88	20.00	13.70
2	171.06	32.10 QP	43.50	-11.40	1.26 H	75	18.60	13.50
3	375.02	30.20 QP	46.00	-15.80	1.00 H	104	12.00	18.20
4	500.02	35.90 QP	46.00	-10.10	1.57 H	72	14.10	21.80
5	679.00	39.40 QP	46.00	-6.60	1.00 H	51	14.00	25.50
6	770.50	36.20 QP	46.00	-9.80	1.00 H	328	8.70	27.40
7	863.00	41.00 QP	46.00	-5.00	1.00 H	347	12.50	28.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	153.97	28.20 QP	43.50	-15.30	1.00 V	124	14.30	13.90
2	389.30	25.90 QP	46.00	-20.10	1.00 V	344	7.20	18.70
3	500.02	33.90 QP	46.00	-12.10	1.00 V	325	12.10	21.80
4	677.50	35.80 QP	46.00	-10.20	1.14 V	7	10.40	25.50
5	766.85	33.30 QP	46.00	-12.70	1.22 V	136	5.90	27.40
6	859.85	33.10 QP	46.00	-12.90	1.14 V	315	4.60	28.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.

802.11b DSSS modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.80 PK	74.00	-16.20	1.33 H	204	25.90	31.90
1	2390.00	45.00 AV	54.00	-9.00	1.33 H	204	13.10	31.90
2	*2412.00	95.50 PK			1.33 H	204	63.50	32.00
2	*2412.00	89.50 AV			1.33 H	204	57.50	32.00
3	4824.00	45.20 PK	74.00	-28.80	1.27 H	236	9.20	36.00
3	4824.00	33.40 AV	54.00	-20.60	1.27 H	236	-2.60	36.00
4	7236.00	51.80 PK	74.00	-22.20	1.00 H	327	9.60	42.20
4	7236.00	39.20 AV	54.00	-14.80	1.00 H	327	-3.00	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2386.00	63.50 PK	74.00	-10.50	1.30 V	249	31.60	31.90
1	2386.00	53.60 AV	54.00	-0.40	1.30 V	249	21.70	31.90
2	*2412.00	111.90 PK			1.23 V	198	79.90	32.00
2	*2412.00	107.30 AV			1.23 V	198	75.30	32.00
3	4824.00	46.10 PK	74.00	-27.90	1.12 V	331	10.10	36.00
3	4824.00	35.70 AV	54.00	-18.30	1.12 V	331	-0.30	36.00
4	7236.00	52.70 PK	74.00	-21.30	1.04 V	217	10.50	42.20
4	7236.00	40.10 AV	54.00	-13.90	1.04 V	217	-2.10	42.20

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	57.40 PK	74.00	-16.60	1.24 H	227	26.10	31.30
1	2233.00	45.30 AV	54.00	-8.70	1.24 H	227	14.00	31.30
2	2389.00	57.40 PK	74.00	-16.60	1.35 H	231	25.50	31.90
2	2389.00	45.10 AV	54.00	-8.90	1.35 H	231	13.20	31.90
3	*2437.00	100.30 PK			1.35 H	231	68.20	32.10
3	*2437.00	95.40 AV			1.35 H	231	63.30	32.10
4	2483.50	58.60 PK	74.00	-15.40	1.35 H	231	26.30	32.30
4	2483.50	45.50 AV	54.00	-8.50	1.35 H	231	13.20	32.30
5	4874.00	46.60 PK	74.00	-27.40	1.32 H	287	10.50	36.10
5	4874.00	34.80 AV	54.00	-19.20	1.32 H	287	-1.30	36.10
6	7311.00	53.40 PK	74.00	-20.60	1.17 H	245	10.90	42.50
6	7311.00	42.60 AV	54.00	-11.40	1.17 H	245	0.10	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	61.60 PK	74.00	-12.40	1.00 V	44	30.30	31.30
1	2233.00	53.40 AV	54.00	-0.60	1.00 V	44	22.10	31.30
2	2389.00	64.40 PK	74.00	-9.60	1.10 V	94	32.50	31.90
2	2389.00	53.50 AV	54.00	-0.50	1.10 V	94	21.60	31.90
3	*2437.00	117.80 PK			1.21 V	240	85.70	32.10
3	*2437.00	113.20 AV			1.21 V	240	81.10	32.10
4	2483.50	63.40 PK	74.00	-10.60	1.28 V	248	31.20	32.30
4	2483.50	52.60 AV	54.00	-1.40	1.28 V	248	20.30	32.30
5	4874.00	48.20 PK	74.00	-25.80	1.14 V	323	12.10	36.10
5	4874.00	38.40 AV	54.00	-15.60	1.14 V	323	2.30	36.10
6	7311.00	57.00 PK	74.00	-17.00	1.07 V	264	14.50	42.50
6	7311.00	48.70 AV	54.00	-5.30	1.07 V	264	6.20	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

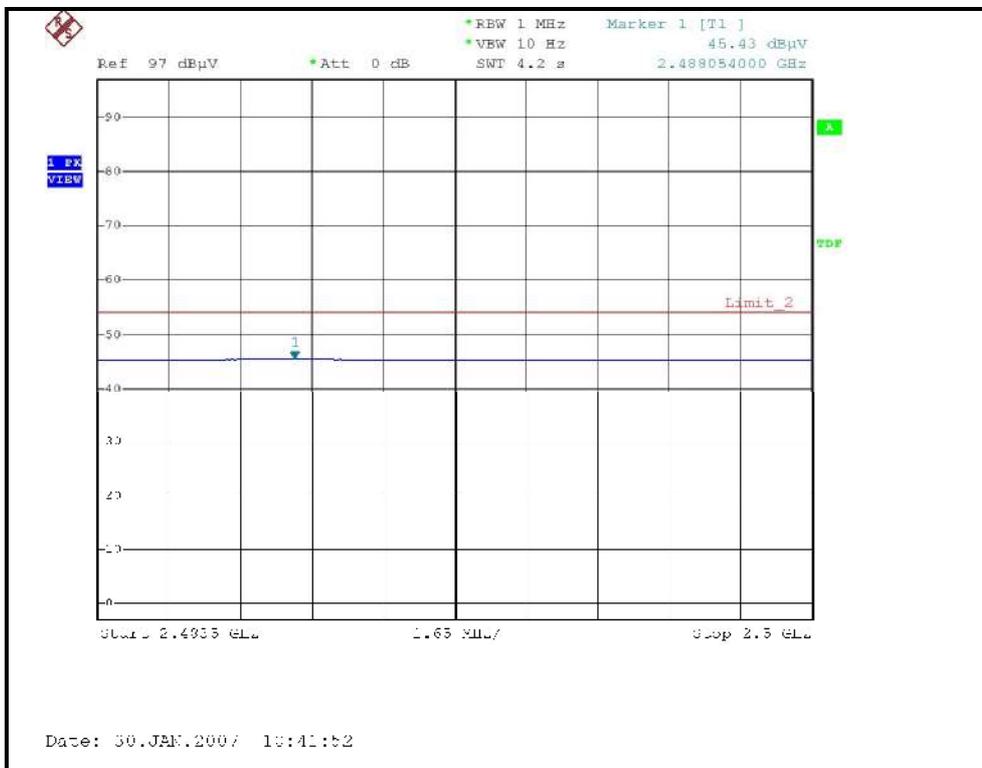
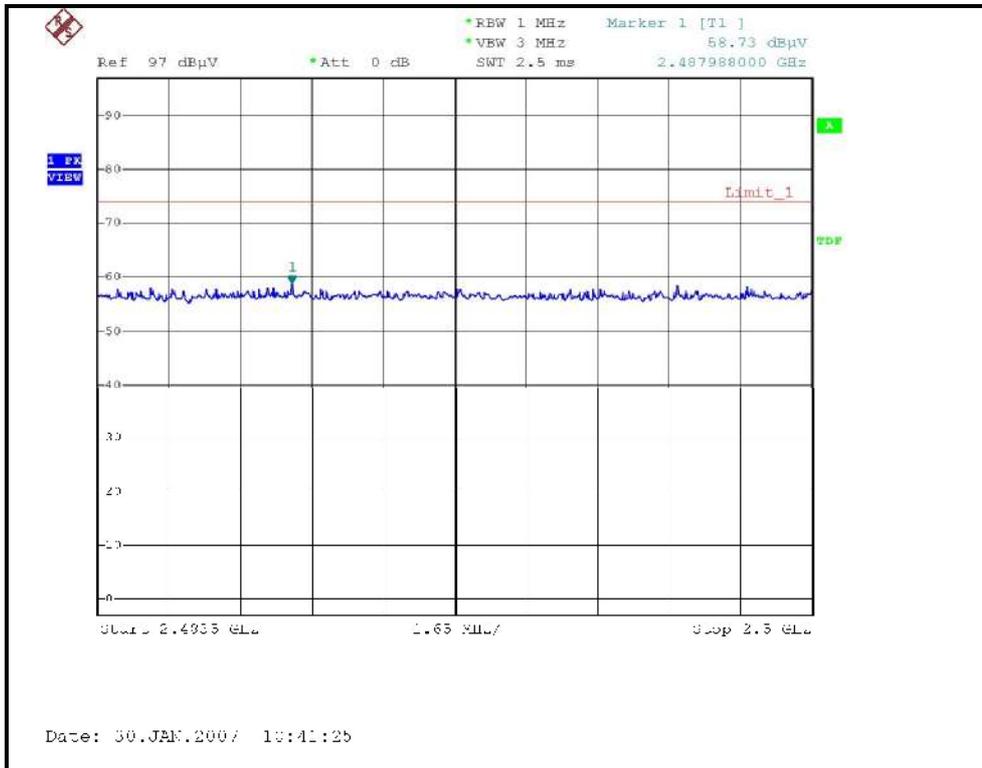
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	95.10 PK			1.37 H	230	62.90	32.20
1	*2462.00	89.20 AV			1.37 H	230	57.00	32.20
2	2488.00	58.70 PK	74.00	-15.30	1.37 H	230	26.40	32.30
2	2488.00	45.40 AV	54.00	-8.60	1.37 H	230	13.10	32.30
3	4924.00	45.60 PK	74.00	-28.40	1.30 H	354	9.40	36.20
3	4924.00	33.70 AV	54.00	-20.30	1.30 H	354	-2.50	36.20
4	7386.00	52.20 PK	74.00	-21.80	1.06 H	261	9.40	42.80
4	7386.00	39.80 AV	54.00	-14.20	1.06 H	261	-3.00	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

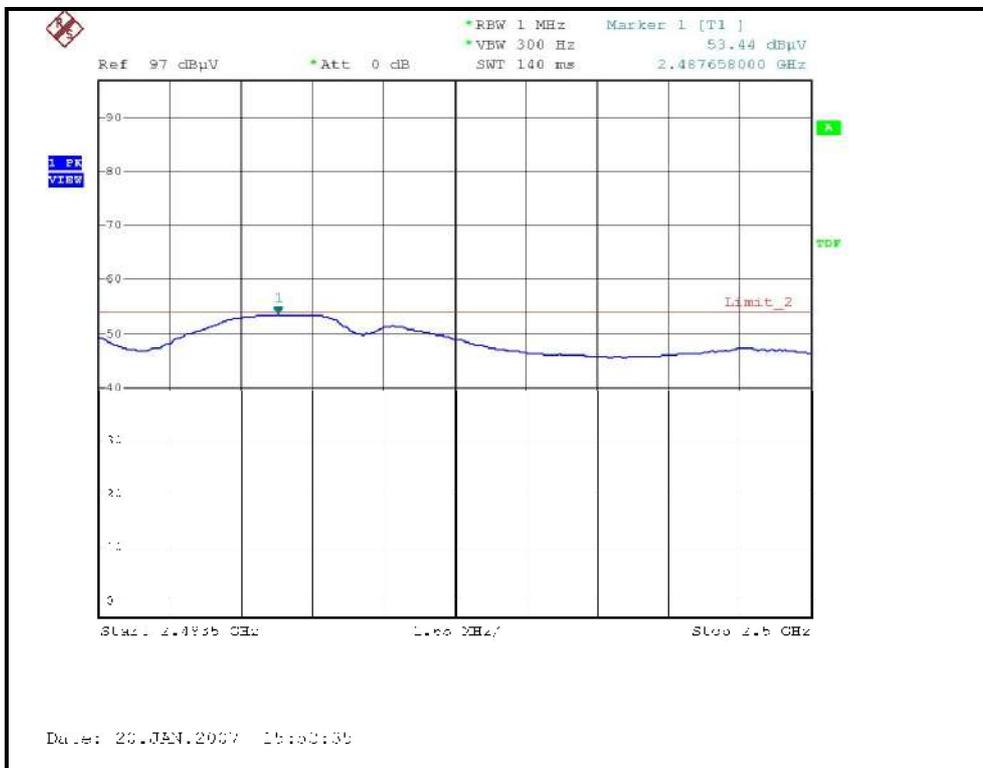
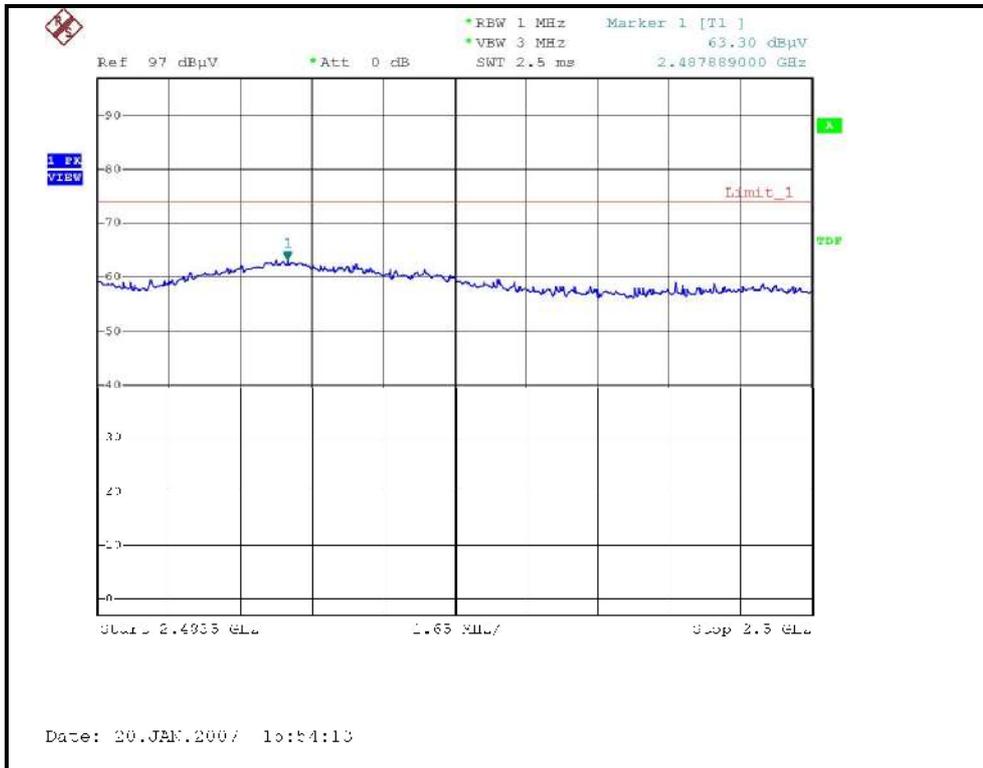
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	111.30 PK			1.20 V	110	79.10	32.20
1	*2462.00	106.90 AV			1.20 V	110	74.70	32.20
2	2488.00	63.30 PK	74.00	-10.70	1.29 V	144	31.00	32.30
2	2488.00	53.40 AV	54.00	-0.60	1.29 V	144	21.10	32.30
3	4924.00	45.90 PK	74.00	-28.10	1.17 V	312	9.70	36.20
3	4924.00	35.40 AV	54.00	-18.60	1.17 V	312	-0.80	36.20
4	7386.00	53.30 PK	74.00	-20.70	1.14 V	238	10.50	42.80
4	7386.00	41.20 AV	54.00	-12.80	1.14 V	238	-1.60	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

RESTRICTED BANDEDGE (802.11b MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)



802.11g OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	58.10 PK	74.00	-15.90	1.34 H	203	26.20	31.90
1	2390.00	45.70 AV	54.00	-8.30	1.34 H	203	13.80	31.90
2	*2412.00	96.20 PK			1.34 H	203	64.20	32.00
2	*2412.00	85.60 AV			1.34 H	203	53.60	32.00
3	4824.00	45.70 PK	74.00	-28.30	1.29 H	243	9.70	36.00
3	4824.00	33.70 AV	54.00	-20.30	1.29 H	243	-2.30	36.00
4	7236.00	51.80 PK	74.00	-22.20	1.00 H	315	9.60	42.20
4	7236.00	39.70 AV	54.00	-14.30	1.00 H	315	-2.50	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	70.90 PK	74.00	-3.10	1.09 V	90	39.00	31.90
1	2390.00	53.90 AV	54.00	-0.10	1.09 V	90	22.00	31.90
2	*2412.00	114.40 PK			1.24 V	195	82.40	32.00
2	*2412.00	103.60 AV			1.24 V	195	71.60	32.00
3	4824.00	46.40 PK	74.00	-27.60	1.19 V	321	10.40	36.00
3	4824.00	34.10 AV	54.00	-19.90	1.19 V	321	-1.90	36.00
4	7236.00	53.40 PK	74.00	-20.60	1.08 V	261	11.20	42.20
4	7236.00	41.40 AV	54.00	-12.60	1.08 V	261	-0.80	42.20

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. " * " : Fundamental frequency

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	58.00 PK	74.00	-16.00	1.27 H	213	26.70	31.30
1	2233.00	45.20 AV	54.00	-8.80	1.27 H	213	13.90	31.30
2	2390.00	57.70 PK	74.00	-16.30	1.34 H	235	25.80	31.90
2	2390.00	45.30 AV	54.00	-8.70	1.34 H	235	13.40	31.90
3	*2437.00	102.60 PK			1.34 H	235	70.50	32.10
3	*2437.00	91.60 AV			1.34 H	235	59.50	32.10
4	2483.50	57.80 PK	74.00	-16.20	1.34 H	235	25.50	32.30
4	2483.50	45.60 AV	54.00	-8.40	1.34 H	235	13.30	32.30
5	4874.00	46.50 PK	74.00	-27.50	1.31 H	264	10.40	36.10
5	4874.00	34.40 AV	54.00	-19.60	1.31 H	264	-1.70	36.10
6	7311.00	53.30 PK	74.00	-20.70	1.13 H	216	10.80	42.50
6	7311.00	42.20 AV	54.00	-11.80	1.13 H	216	-0.30	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	62.50 PK	74.00	-11.50	1.00 V	42	31.20	31.30
1	2233.00	53.20 AV	54.00	-0.80	1.00 V	42	21.90	31.30
2	2390.00	67.80 PK	74.00	-6.20	1.13 V	25	35.90	31.90
2	2390.00	51.80 AV	54.00	-2.20	1.13 V	25	19.90	31.90
3	*2437.00	120.50 PK			1.21 V	239	88.40	32.10
3	*2437.00	109.50 AV			1.21 V	239	77.40	32.10
4	2483.50	72.00 PK	74.00	-2.00	1.23 V	68	39.70	32.30
4	2483.50	53.30 AV	54.00	-0.70	1.23 V	68	21.00	32.30
5	4874.00	47.20 PK	74.00	-26.80	1.18 V	325	11.10	36.10
5	4874.00	35.80 AV	54.00	-18.20	1.18 V	325	-0.30	36.10
6	7311.00	57.80 PK	74.00	-16.20	1.04 V	243	15.30	42.50
6	7311.00	46.70 AV	54.00	-7.30	1.04 V	243	4.20	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

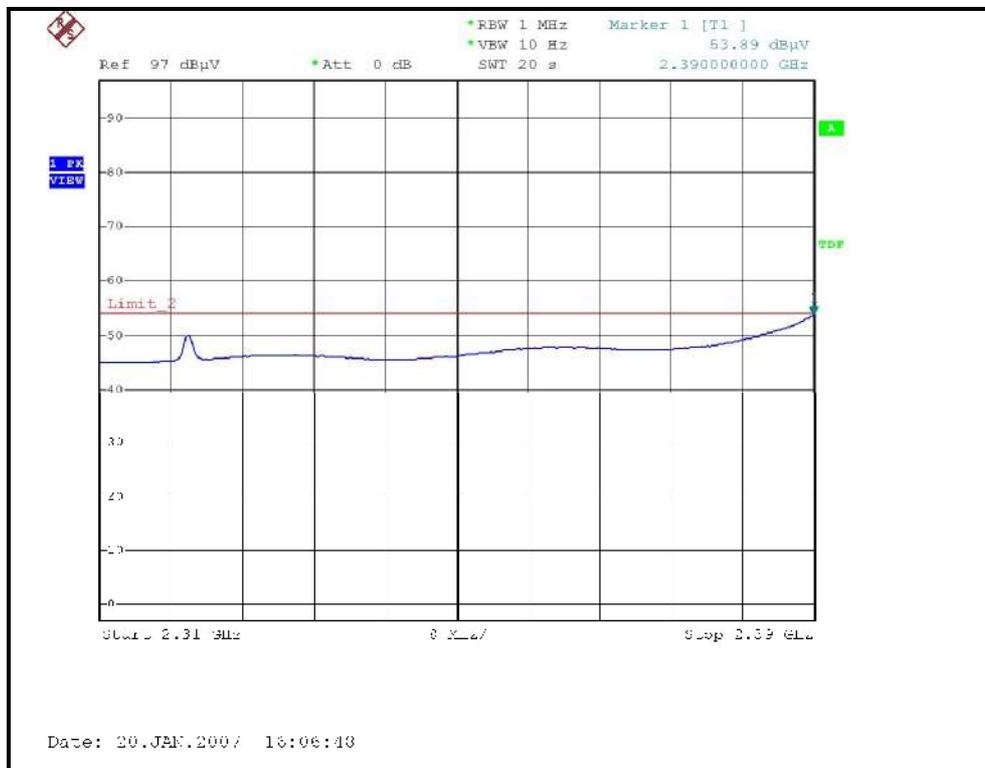
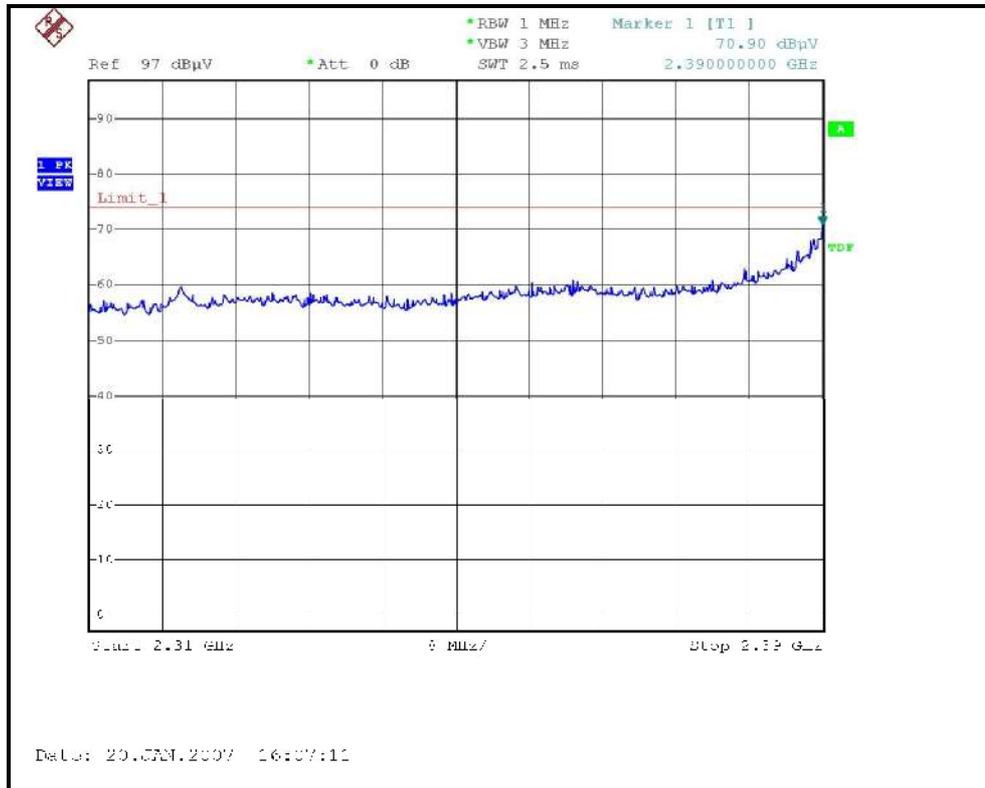
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	95.60 PK			1.34 H	253	63.40	32.20
1	*2462.00	85.10 AV			1.34 H	253	52.90	32.20
2	2483.50	57.60 PK	74.00	-16.40	1.35 H	229	25.30	32.30
2	2483.50	45.40 AV	54.00	-8.60	1.35 H	229	13.10	32.30
3	4924.00	45.90 PK	74.00	-28.10	1.27 H	337	9.70	36.20
3	4924.00	34.00 AV	54.00	-20.00	1.27 H	337	-2.20	36.20
4	7386.00	52.10 PK	74.00	-21.90	1.03 H	286	9.30	42.80
4	7386.00	39.40 AV	54.00	-14.60	1.03 H	286	-3.40	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

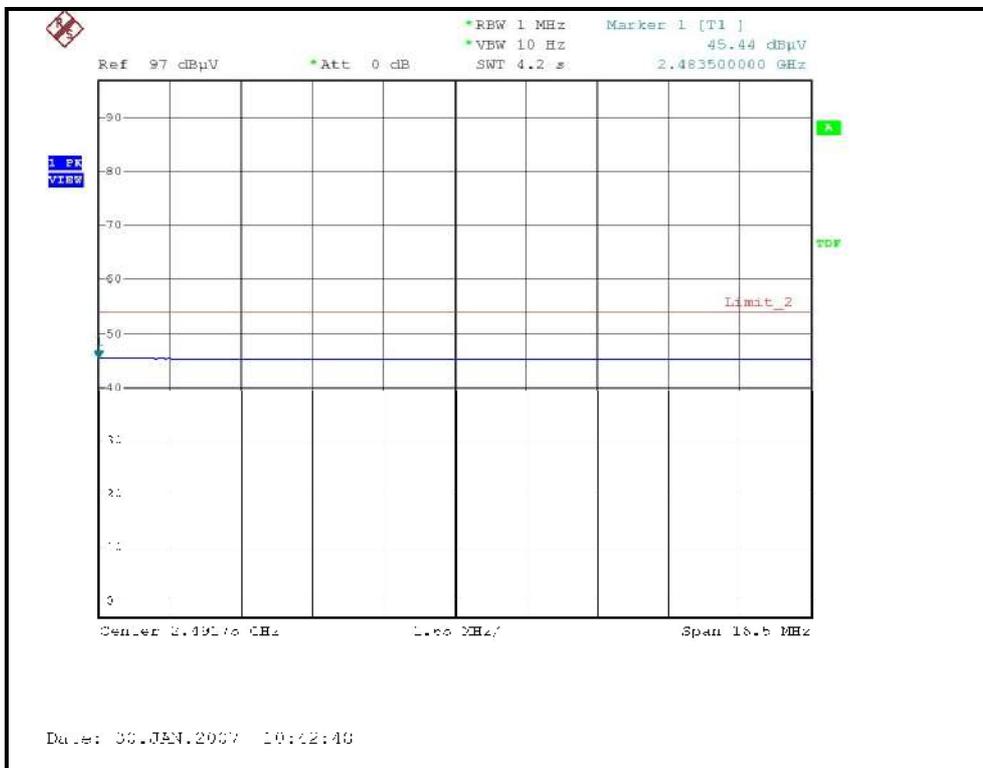
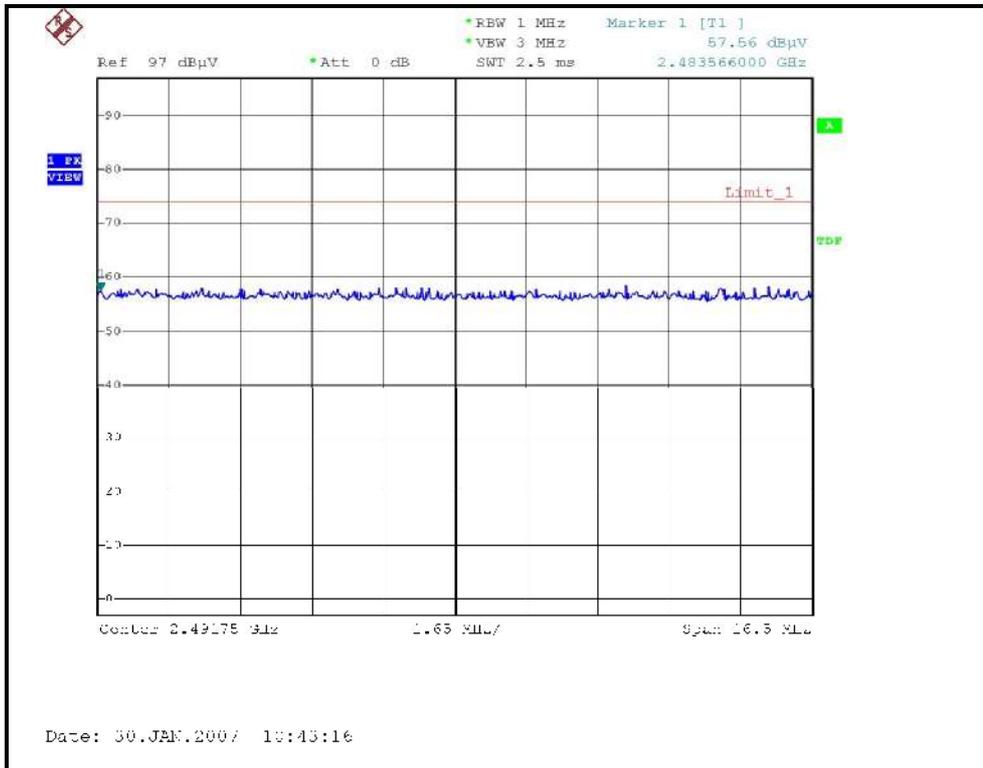
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	112.90 PK			1.17 V	116	80.70	32.20
1	*2462.00	102.60 AV			1.17 V	116	70.40	32.20
2	2483.50	70.60 PK	74.00	-3.40	1.23 V	63	38.30	32.30
2	2483.50	53.60 AV	54.00	-0.40	1.23 V	63	21.30	32.30
3	4924.00	46.80 PK	74.00	-27.20	1.19 V	337	10.60	36.20
3	4924.00	34.30 AV	54.00	-19.70	1.19 V	337	-1.90	36.20
4	7386.00	53.60 PK	74.00	-20.40	1.05 V	286	10.80	42.80
4	7386.00	42.10 AV	54.00	-11.90	1.05 V	286	-0.70	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

RESTRICTED BANDEDGE (802.11g MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE,CH11, HORIZONTAL)



4.2.11 TEST RESULTS (ANTENNA 6)

Below 1GHz Worst-Case Data

MODULATION TYPE	DSSS	CHANNEL	Channel 1
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 56%RH, 970hPa	TRANSFER RATE	1Mbps
TESTED BY	Wen Yu	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	132.13	33.80 QP	43.50	-9.70	1.48 H	279	21.00	12.80
2	230.73	34.20 QP	46.00	-11.80	1.18 H	338	21.20	12.90
3	375.01	29.60 QP	46.00	-16.40	1.02 H	89	11.40	18.20
4	500.02	35.60 QP	46.00	-10.40	1.04 H	228	13.80	21.80
5	679.75	40.00 QP	46.00	-6.00	1.29 H	19	14.50	25.50
6	864.12	33.50 QP	46.00	-12.50	1.10 H	147	5.00	28.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	134.18	30.80 QP	43.50	-12.70	1.11 V	147	17.80	13.00
2	236.13	30.00 QP	46.00	-16.00	1.02 V	1	16.80	13.20
3	375.01	32.00 QP	46.00	-14.00	1.11 V	90	13.80	18.20
4	500.02	34.50 QP	46.00	-11.50	1.11 V	274	12.80	21.80
5	672.00	41.80 QP	46.00	-4.20	1.28 V	357	16.40	25.40
6	861.70	31.70 QP	46.00	-14.30	1.00 V	21	3.20	28.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



802.11b DSSS modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2386.00	59.40 PK	74.00	-14.60	1.02 H	43	27.50	31.90
1	2386.00	48.50 AV	54.00	-5.50	1.02 H	43	16.60	31.90
2	*2412.00	106.40 PK			1.02 H	43	74.40	32.00
2	*2412.00	101.50 AV			1.02 H	43	69.50	32.00
3	4824.00	43.70 PK	74.00	-30.30	1.10 H	52	7.70	36.00
3	4824.00	32.10 AV	54.00	-21.90	1.10 H	52	-3.90	36.00
4	7236.00	50.70 PK	74.00	-23.30	1.06 H	39	8.50	42.20
4	7236.00	38.30 AV	54.00	-15.70	1.06 H	39	-3.90	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	58.50 PK	74.00	-15.50	1.15 V	349	26.90	31.70
1	2320.00	49.70 AV	54.00	-4.30	1.15 V	349	18.10	31.70
2	2386.00	62.50 PK	74.00	-11.50	1.15 V	349	30.60	31.90
2	2386.00	53.20 AV	54.00	-0.80	1.15 V	349	21.30	31.90
3	*2412.00	112.50 PK			1.14 V	333	80.50	32.00
3	*2412.00	107.50 AV			1.14 V	333	75.50	32.00
4	4824.00	44.10 PK	74.00	-29.90	1.28 V	192	8.10	36.00
4	4824.00	32.30 AV	54.00	-21.70	1.28 V	192	-3.70	36.00
5	7236.00	51.20 PK	74.00	-22.80	1.21 V	178	9.00	42.20
5	7236.00	38.50 AV	54.00	-15.50	1.21 V	178	-3.70	42.20

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	55.90 PK	74.00	-18.10	1.00 H	108	24.60	31.30
1	2233.00	45.30 AV	54.00	-8.70	1.00 H	108	14.00	31.30
2	2320.00	50.80 PK	74.00	-23.20	1.61 H	38	19.10	31.70
2	2320.00	44.80 AV	54.00	-9.20	1.61 H	38	13.10	31.70
3	*2437.00	110.80 PK			1.04 H	53	78.70	32.10
3	*2437.00	106.60 AV			1.04 H	53	74.50	32.10
4	2486.00	57.10 PK	74.00	-16.90	1.03 H	54	24.80	32.30
4	2486.00	46.30 AV	54.00	-7.70	1.03 H	54	14.00	32.30
5	4874.00	45.20 PK	74.00	-28.80	1.31 H	293	9.10	36.10
5	4874.00	33.50 AV	54.00	-20.50	1.31 H	293	-2.60	36.10
6	7311.00	52.70 PK	74.00	-21.30	1.11 H	239	10.20	42.50
6	7311.00	39.10 AV	54.00	-14.90	1.11 H	239	-3.40	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	60.00 PK	74.00	-14.00	1.04 V	175	28.70	31.30
1	2233.00	51.10 AV	54.00	-2.90	1.04 V	175	19.80	31.30
2	2320.00	61.20 PK	74.00	-12.80	1.00 V	2	29.50	31.70
2	2320.00	52.70 AV	54.00	-1.30	1.00 V	2	21.10	31.70
3	*2437.00	117.10 PK			1.14 V	337	85.00	32.10
3	*2437.00	112.40 AV			1.14 V	337	80.30	32.10
4	2486.00	63.20 PK	74.00	-10.80	1.13 V	331	30.90	32.30
4	2486.00	52.00 AV	54.00	-2.00	1.13 V	331	19.70	32.30
5	4874.00	45.60 PK	74.00	-28.40	1.45 V	16	9.50	36.10
5	4874.00	34.20 AV	54.00	-19.80	1.45 V	16	-1.90	36.10
6	7311.00	53.20 PK	74.00	-20.80	1.16 V	289	10.70	42.50
6	7311.00	39.60 AV	54.00	-14.40	1.16 V	289	-2.90	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

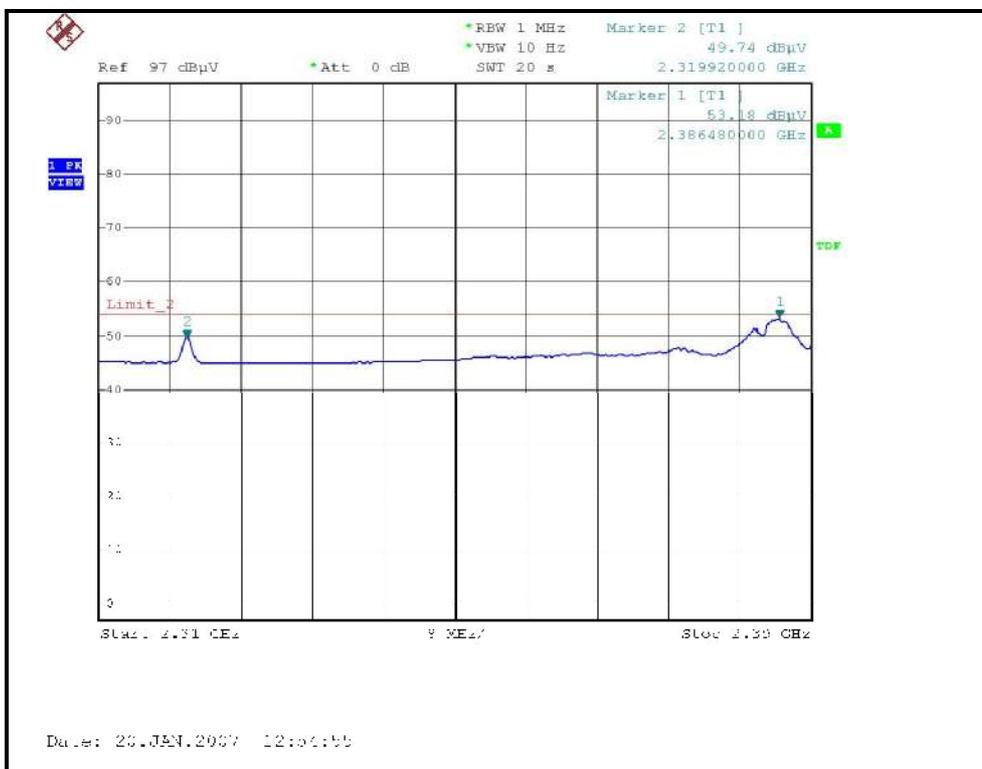
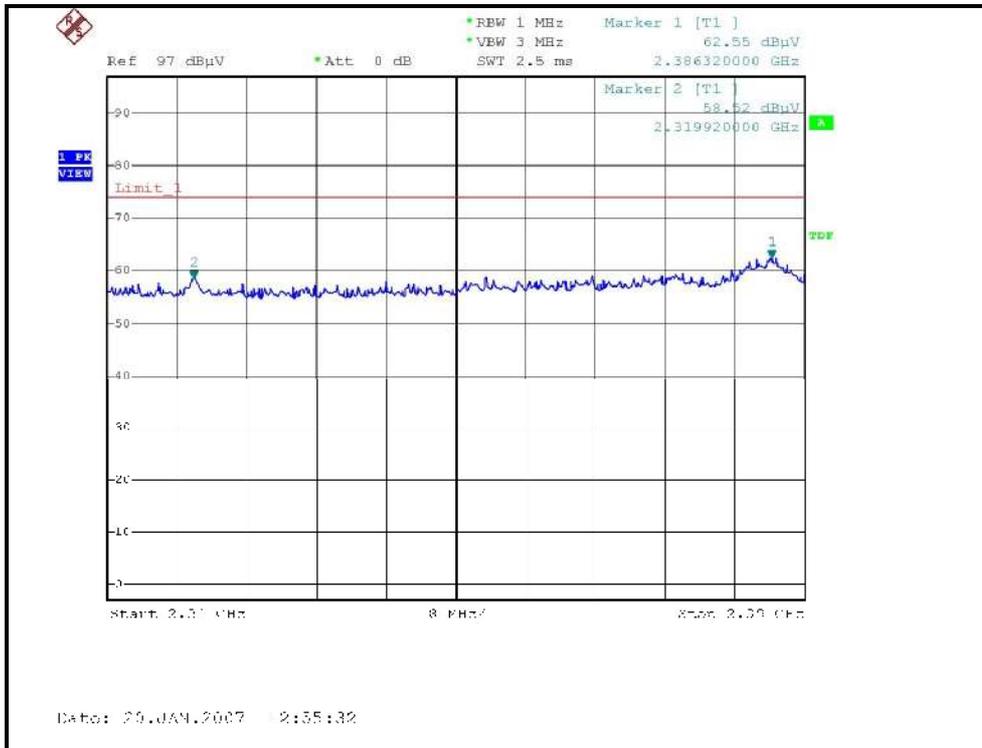
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	106.00 PK			1.02 H	48	73.80	32.20
1	*2462.00	101.90 AV			1.02 H	48	69.70	32.20
2	2487.00	60.40 PK	74.00	-13.60	1.02 H	48	28.10	32.30
2	2487.00	49.30 AV	54.00	-4.70	1.02 H	48	17.00	32.30
3	4924.00	44.30 PK	74.00	-29.70	1.16 H	241	8.10	36.20
3	4924.00	33.20 AV	54.00	-20.80	1.16 H	241	-3.00	36.20
4	7386.00	51.50 PK	74.00	-22.50	1.15 H	209	8.70	42.80
4	7386.00	39.20 AV	54.00	-14.80	1.15 H	209	-3.60	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

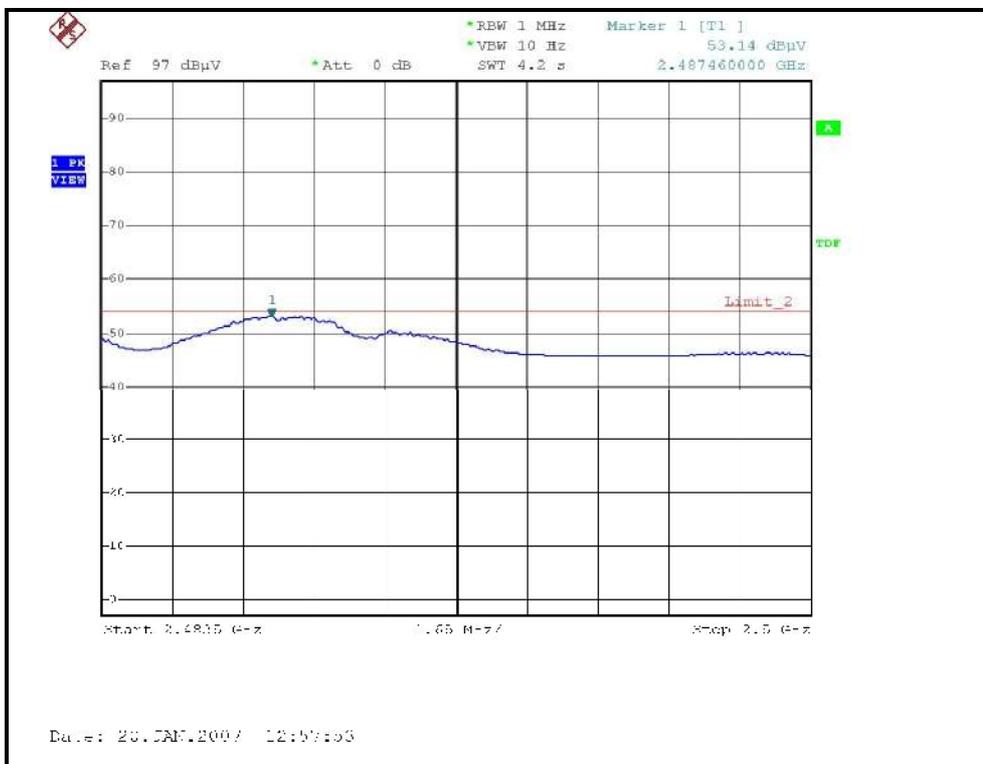
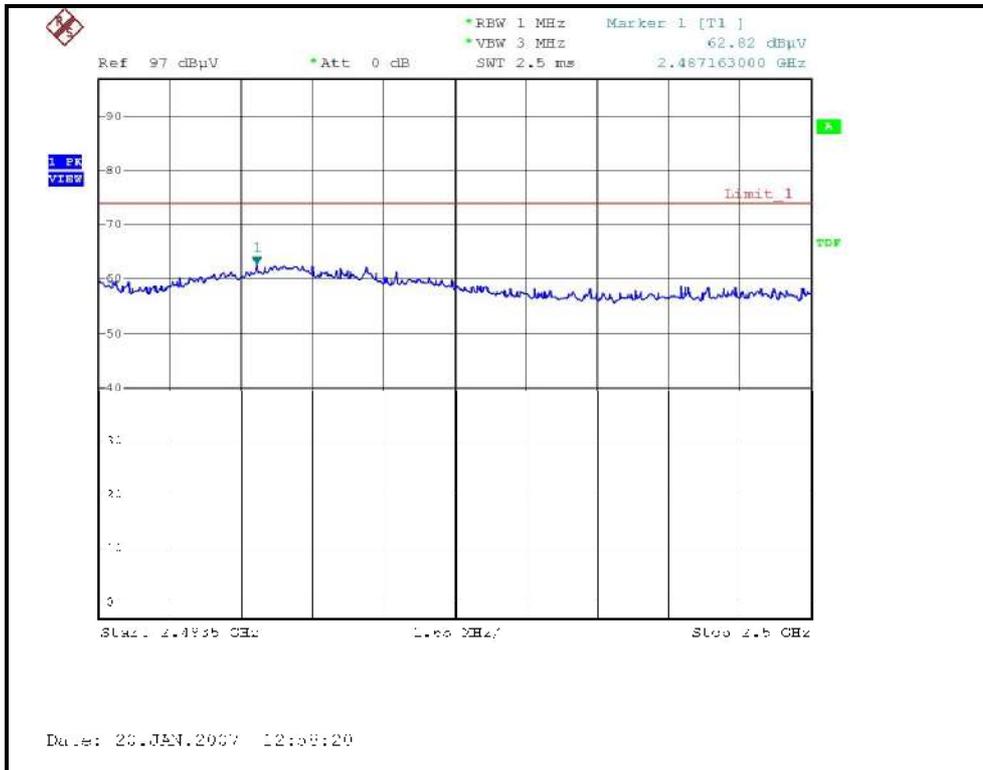
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	112.80 PK			1.14 V	337	80.60	32.20
1	*2462.00	108.20 AV			1.14 V	337	76.00	32.20
2	2487.00	62.80 PK	74.00	-11.20	1.14 V	337	30.50	32.30
2	2487.00	53.10 AV	54.00	-0.90	1.14 V	337	20.80	32.30
3	4924.00	44.70 PK	74.00	-29.30	1.36 V	175	8.50	36.20
3	4924.00	33.40 AV	54.00	-20.60	1.36 V	175	-2.80	36.20
4	7386.00	51.60 PK	74.00	-22.40	1.12 V	297	8.80	42.80
4	7386.00	39.10 AV	54.00	-14.90	1.12 V	297	-3.70	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

RESTRICTED BANDEDGE (802.11b MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)





802.11g OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.50 PK	74.00	-9.50	1.05 H	43	32.60	31.90
1	2390.00	48.40 AV	54.00	-5.60	1.05 H	43	16.40	31.90
2	*2412.00	105.80 PK			1.05 H	43	73.80	32.00
2	*2412.00	97.40 AV			1.05 H	43	65.40	32.00
3	4824.00	45.30 PK	74.00	-28.70	1.13 H	92	9.30	36.00
3	4824.00	33.20 AV	54.00	-20.80	1.13 H	92	-2.80	36.00
4	7236.00	51.70 PK	74.00	-22.30	1.05 H	47	9.50	42.20
4	7236.00	39.10 AV	54.00	-14.90	1.05 H	47	-3.10	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	61.90 PK	74.00	-12.10	1.15 V	333	30.20	31.70
1	2320.00	52.80 AV	54.00	-1.20	1.15 V	333	21.10	31.70
2	2390.00	67.90 PK	74.00	-6.10	1.15 V	333	36.00	31.90
2	2390.00	53.30 AV	54.00	-0.70	1.15 V	333	21.40	31.90
3	*2412.00	114.10 PK			1.12 V	335	82.00	32.00
3	*2412.00	103.80 AV			1.12 V	335	71.80	32.00
4	4824.00	45.60 PK	74.00	-28.40	1.27 V	186	9.60	36.00
4	4824.00	33.70 AV	54.00	-20.30	1.27 V	186	-2.30	36.00
5	7236.00	52.10 PK	74.00	-21.90	1.16 V	163	9.90	42.20
5	7236.00	39.40 AV	54.00	-14.60	1.16 V	163	-2.80	42.20

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	56.10 PK	74.00	-17.90	1.00 H	95	24.80	31.30
1	2233.00	45.90 AV	54.00	-8.10	1.00 H	95	14.60	31.30
2	2320.00	59.30 PK	74.00	-14.70	1.08 H	47	27.60	31.70
2	2320.00	50.50 AV	54.00	-3.50	1.08 H	47	18.80	31.70
3	*2437.00	113.60 PK			1.04 H	51	81.50	32.10
3	*2437.00	102.80 AV			1.04 H	51	70.70	32.10
4	2483.50	62.40 PK	74.00	-11.60	1.05 H	56	30.10	32.30
4	2483.50	48.10 AV	54.00	-5.90	1.05 H	56	15.80	32.30
5	4874.00	45.60 PK	74.00	-28.40	1.17 H	169	9.50	36.10
5	4874.00	33.30 AV	54.00	-20.70	1.17 H	169	-2.80	36.10
6	7311.00	52.40 PK	74.00	-21.60	1.09 H	243	9.90	42.50
6	7311.00	39.20 AV	54.00	-14.80	1.09 H	243	-3.30	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2233.00	59.80 PK	74.00	-14.20	1.06 V	174	28.50	31.30
1	2233.00	52.80 AV	54.00	-1.20	1.06 V	174	21.50	31.30
2	2320.00	63.10 PK	74.00	-10.90	1.13 V	342	31.50	31.70
2	2320.00	53.80 AV	54.00	-0.20	1.13 V	342	22.20	31.70
3	*2437.00	119.20 PK			1.13 V	331	87.10	32.10
3	*2437.00	108.90 AV			1.13 V	331	76.80	32.10
4	2483.50	71.60 PK	74.00	-2.40	1.08 V	345	39.30	32.30
4	2483.50	53.10 AV	54.00	-0.90	1.08 V	345	20.80	32.30
5	4874.00	56.60 PK	74.00	-17.40	1.36 V	315	20.50	36.10
5	4874.00	34.10 AV	54.00	-19.90	1.36 V	315	-2.00	36.10
6	7311.00	53.70 PK	74.00	-20.30	1.23 V	284	11.20	42.50
6	7311.00	39.60 AV	54.00	-14.40	1.23 V	284	-2.90	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

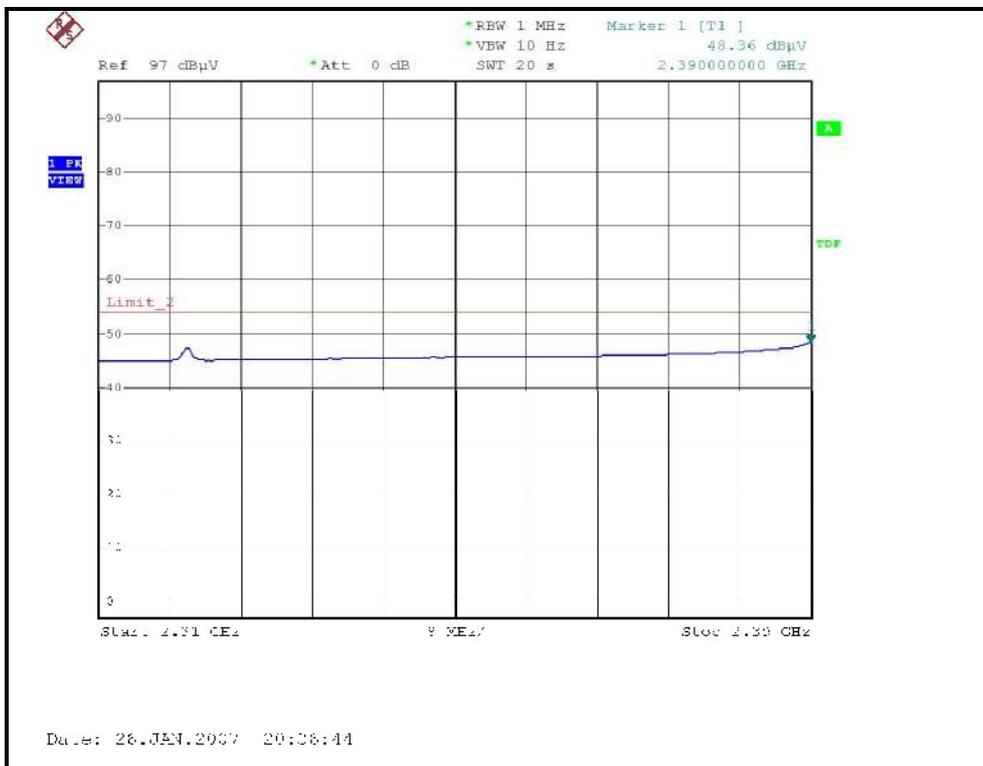
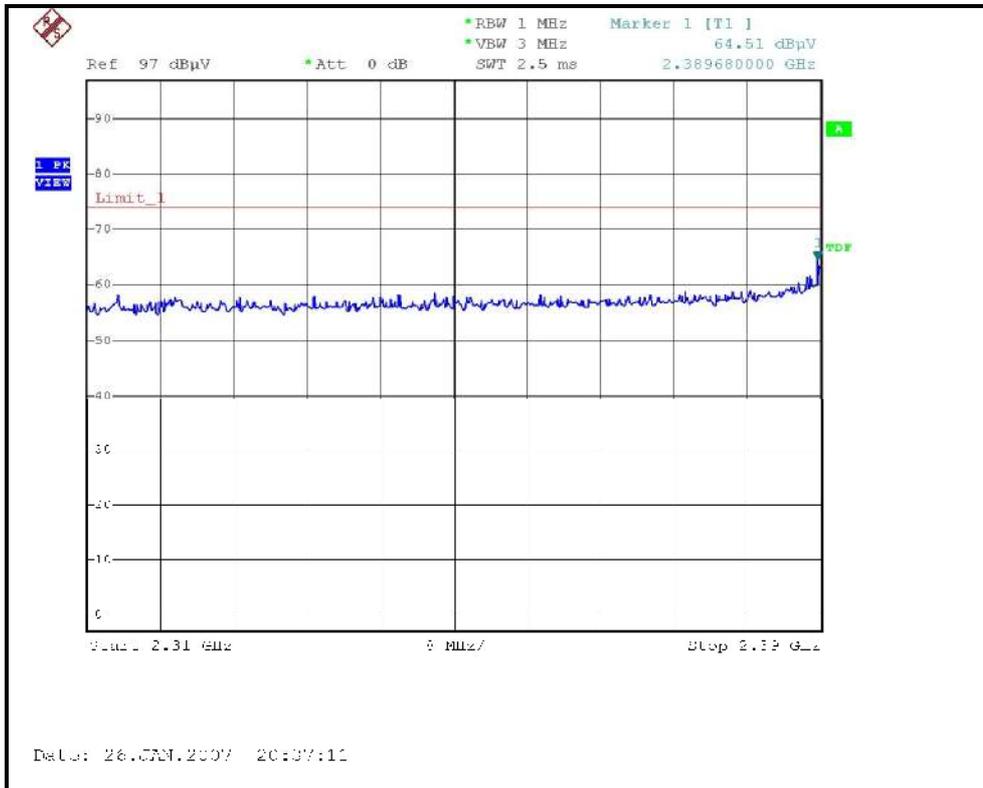
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	107.40 PK			1.03 H	50	75.20	32.20
1	*2462.00	96.80 AV			1.03 H	50	64.60	32.20
2	2483.50	64.20 PK	74.00	-9.80	1.03 H	50	31.90	32.30
2	2483.50	49.50 AV	54.00	-4.50	1.03 H	50	17.30	32.30
3	4924.00	45.30 PK	74.00	-28.70	1.29 H	197	9.10	36.20
3	4924.00	33.10 AV	54.00	-20.90	1.29 H	197	-3.10	36.20
4	7386.00	52.10 PK	74.00	-21.90	1.13 H	286	9.30	42.80
4	7386.00	39.40 AV	54.00	-14.60	1.13 H	286	-3.40	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

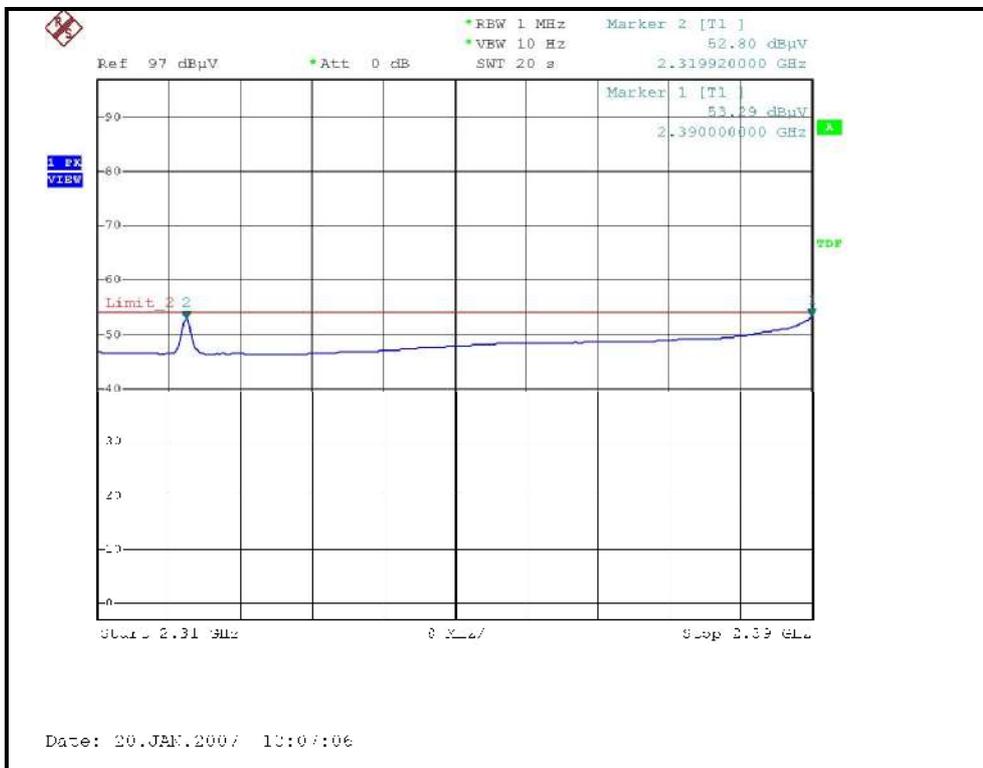
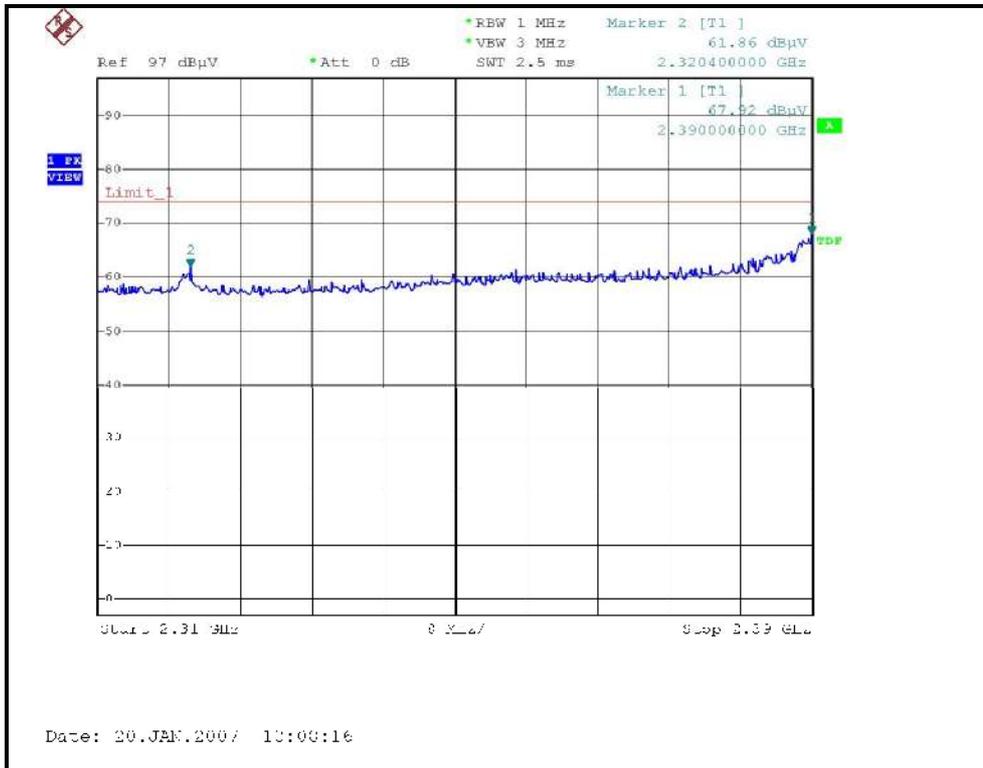
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	113.70 PK			1.13 V	336	81.50	32.20
1	*2462.00	103.30 AV			1.13 V	336	71.10	32.20
2	2483.50	70.70 PK	74.00	-3.30	1.09 V	343	38.40	32.30
2	2483.50	53.20 AV	54.00	-0.80	1.09 V	343	21.00	32.30
3	4924.00	45.80 PK	74.00	-28.20	1.34 V	267	9.60	36.20
3	4924.00	34.10 AV	54.00	-19.90	1.34 V	267	-2.10	36.20
4	7386.00	53.20 PK	74.00	-20.80	1.27 V	39	10.40	42.80
4	7386.00	39.20 AV	54.00	-14.80	1.27 V	39	-3.60	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

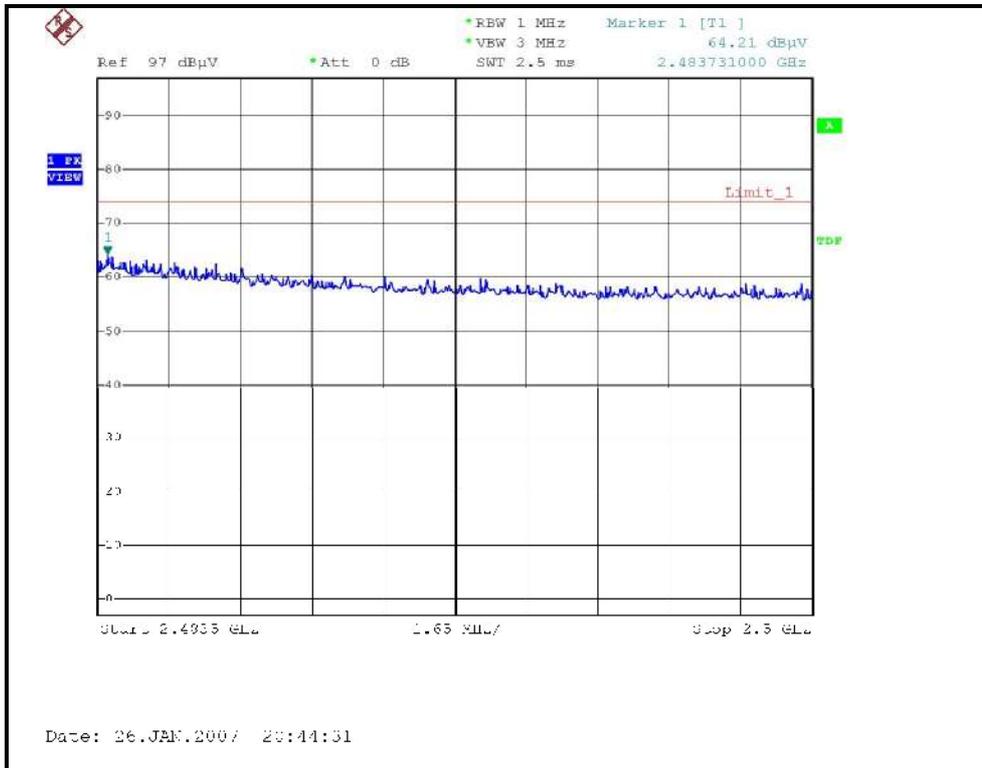
RESTRICTED BANDEDGE (802.11g MODE,CH1, HORIZONTAL)



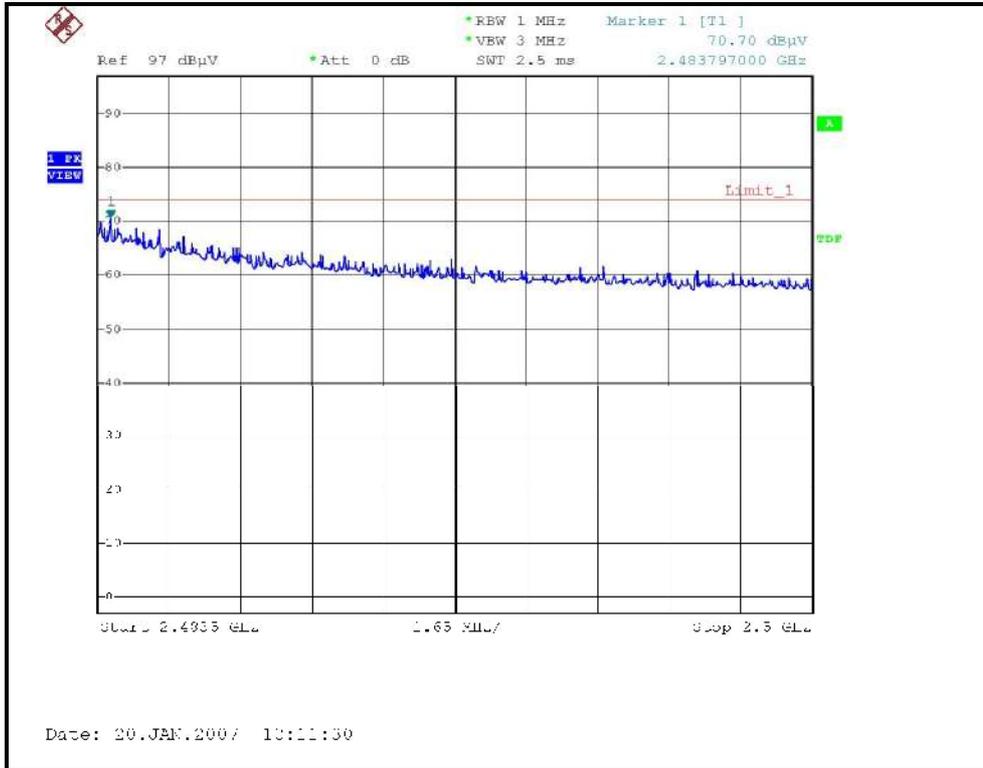
RESTRICTED BANDEDGE (802.11g MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, VERTICAL)



4.2.12 TEST RESULTS (ANTENNA 7)

Below 1GHz Worst-Case Data

MODULATION TYPE	DSSS	CHANNEL	Channel 1
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 56%RH, 970hPa	TRANSFER RATE	1Mbps
TESTED BY	Wen Yu	DETECTOR FUNCTION	Quasi-Peak, 120kHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	147.75	33.90 QP	43.50	-9.60	1.29 H	82	20.20	13.70
2	263.80	28.20 QP	46.00	-17.80	1.00 H	124	13.80	14.50
3	375.02	28.80 QP	46.00	-17.20	1.00 H	297	10.60	18.20
4	500.00	34.00 QP	46.00	-12.00	1.69 H	333	12.30	21.80
5	674.38	42.00 QP	46.00	-4.00	1.14 H	351	16.60	25.40
6	771.00	36.20 QP	46.00	-9.80	1.00 H	336	8.80	27.40
7	864.00	39.50 QP	46.00	-6.50	1.01 H	336	11.00	28.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	141.25	27.50 QP	43.50	-16.00	1.00 V	78	14.00	13.50
2	409.00	25.50 QP	46.00	-20.50	1.13 V	124	6.20	19.30
3	500.01	34.40 QP	46.00	-11.60	1.00 V	321	12.60	21.80
4	672.75	37.70 QP	46.00	-8.30	1.18 V	21	12.30	25.40
5	765.93	34.10 QP	46.00	-11.90	1.20 V	138	6.70	27.40
6	858.92	32.80 QP	46.00	-13.20	1.13 V	10	4.30	28.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.

802.11b DSSS modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	57.80 PK	74.00	-16.20	1.32 H	70	26.10	31.70
1	2320.00	46.20 AV	54.00	-7.80	1.32 H	70	14.60	31.70
2	2385.80	58.20 PK	74.00	-15.80	1.32 H	70	26.30	31.90
2	2385.80	45.90 AV	54.00	-8.10	1.32 H	70	14.00	31.90
3	*2412.00	94.80 PK			1.28 H	168	62.80	32.00
3	*2412.00	88.30 AV			1.28 H	168	56.30	32.00
4	4824.00	45.40 PK	74.00	-28.60	1.35 H	263	9.40	36.00
4	4824.00	33.00 AV	54.00	-21.00	1.35 H	263	-3.00	36.00
5	7236.00	51.40 PK	74.00	-22.60	1.21 H	157	9.20	42.20
5	7236.00	39.20 AV	54.00	-14.80	1.21 H	157	-3.00	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	60.80 PK	74.00	-13.20	1.00 V	183	29.10	31.70
1	2320.00	52.00 AV	54.00	-2.00	1.00 V	183	20.30	31.70
2	2385.80	62.20 PK	74.00	-11.80	1.00 V	183	30.30	31.90
2	2385.80	53.00 AV	54.00	-1.00	1.00 V	183	21.10	31.90
3	*2412.00	112.40 PK			1.05 V	155	80.40	32.00
3	*2412.00	107.30 AV			1.05 V	155	75.30	32.00
4	4824.00	45.60 PK	74.00	-28.40	1.00 V	267	9.60	36.00
4	4824.00	33.10 AV	54.00	-20.90	1.00 V	267	-2.90	36.00
5	7236.00	51.30 PK	74.00	-22.70	1.09 V	243	9.10	42.20
5	7236.00	39.10 AV	54.00	-14.90	1.09 V	243	-3.10	42.20

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247
6. “ * “ : Fundamental frequency



MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	57.40 PK	74.00	-16.60	1.33 H	74	25.70	31.70
1	2320.00	46.60 AV	54.00	-7.40	1.33 H	74	14.90	31.70
2	*2437.00	97.10 PK			1.30 H	160	65.00	32.10
2	*2437.00	90.50 AV			1.30 H	160	58.40	32.10
3	2485.00	56.00 PK	74.00	-18.00	1.33 H	74	23.70	32.30
3	2485.00	45.50 AV	54.00	-8.50	1.33 H	74	13.30	32.30
4	4874.00	45.50 PK	74.00	-28.50	1.39 H	194	9.40	36.10
4	4874.00	33.20 AV	54.00	-20.80	1.39 H	194	-2.90	36.10
5	7311.00	51.30 PK	74.00	-22.70	1.20 H	163	8.80	42.50
5	7311.00	39.30 AV	54.00	-14.70	1.20 H	163	-3.20	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	61.50 PK	74.00	-12.50	1.00 V	180	29.80	31.70
1	2320.00	53.30 AV	54.00	-0.70	1.00 V	180	21.60	31.70
2	*2437.00	115.00 PK			1.04 V	173	82.90	32.10
2	*2437.00	110.10 AV			1.04 V	173	78.00	32.10
3	2485.00	59.00 PK	74.00	-15.00	1.25 V	168	26.80	32.30
3	2485.00	47.90 AV	54.00	-6.10	1.25 V	168	15.60	32.30
4	4874.00	45.80 PK	74.00	-28.20	1.00 V	284	9.70	36.10
4	4874.00	33.40 AV	54.00	-20.60	1.00 V	284	-2.70	36.10
5	7311.00	52.10 PK	74.00	-21.90	1.06 V	179	9.60	42.50
5	7311.00	39.80 AV	54.00	-14.20	1.06 V	179	-2.70	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency



MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 1 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

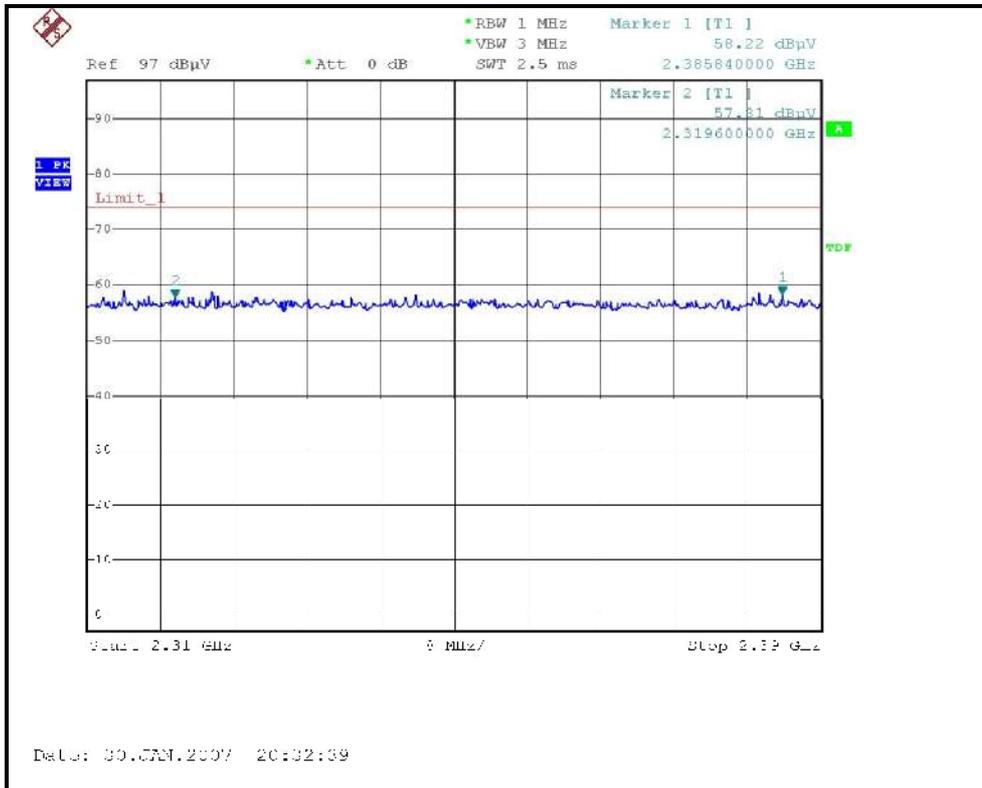
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	56.40 PK	74.00	-17.60	1.30 H	162	24.70	31.70
1	2320.00	45.80 AV	54.00	-8.20	1.30 H	162	14.10	31.70
2	*2462.00	95.70 PK			1.33 H	110	63.50	32.20
2	*2462.00	89.30 AV			1.33 H	110	57.10	32.20
3	2487.60	57.00 PK	74.00	-17.00	1.39 H	120	24.70	32.30
3	2487.60	45.90 AV	54.00	-8.10	1.39 H	120	13.60	32.30
4	4924.00	45.40 PK	74.00	-28.60	1.36 H	177	9.20	36.20
4	4924.00	33.40 AV	54.00	-20.60	1.36 H	177	-2.80	36.20
5	7386.00	51.60 PK	74.00	-22.40	1.25 H	167	8.80	42.80
5	7386.00	39.10 AV	54.00	-14.90	1.25 H	167	-3.70	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

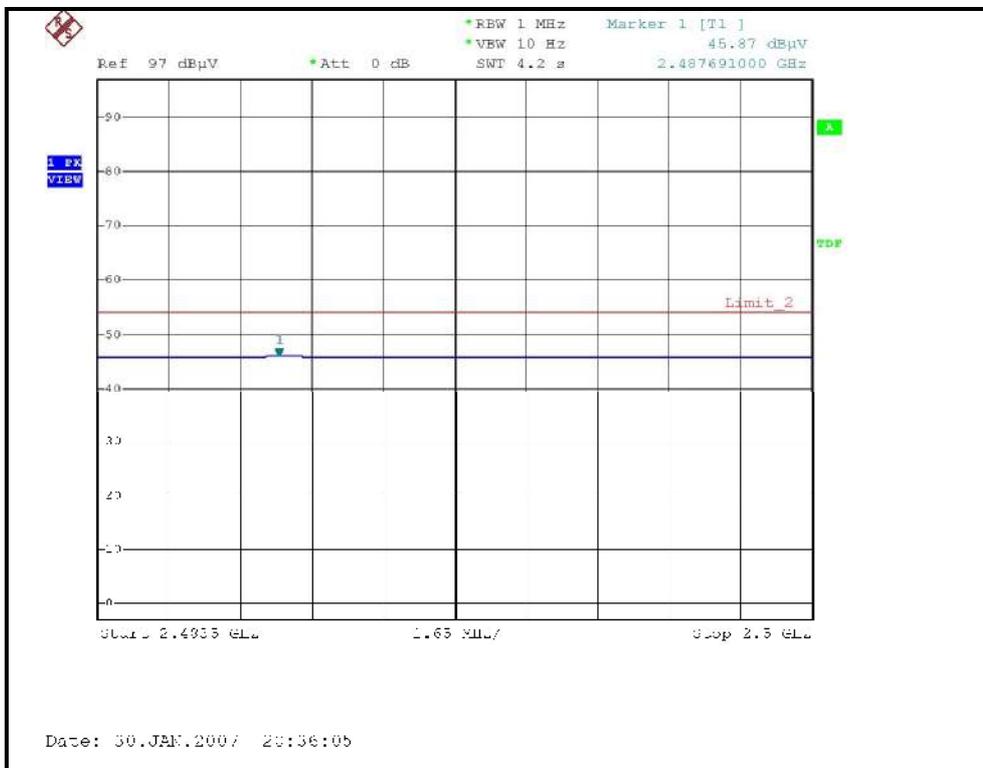
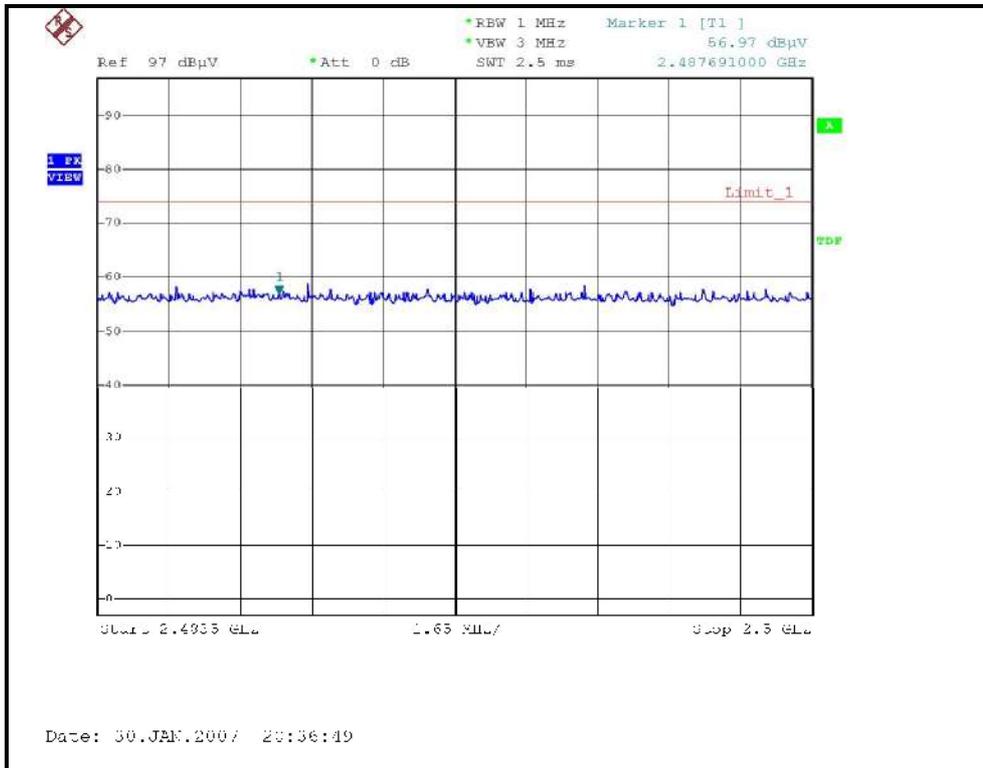
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	60.40 PK	74.00	-13.60	1.00 V	190	28.70	31.70
1	2320.00	53.00 AV	54.00	-1.00	1.00 V	190	21.30	31.70
2	*2462.00	113.10 PK			1.25 V	190	80.90	32.20
2	*2462.00	108.30 AV			1.25 V	190	76.10	32.20
3	2487.50	61.40 PK	74.00	-12.60	1.22 V	168	29.10	32.30
3	2487.50	52.70 AV	54.00	-1.30	1.22 V	168	20.40	32.30
4	4924.00	45.60 PK	74.00	-28.40	1.00 V	297	9.40	36.20
4	4924.00	33.70 AV	54.00	-20.30	1.00 V	297	-2.50	36.20
5	7386.00	51.50 PK	74.00	-22.50	1.09 V	162	8.70	42.80
5	7386.00	39.30 AV	54.00	-14.70	1.09 V	162	-3.50	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. " * " : Fundamental frequency

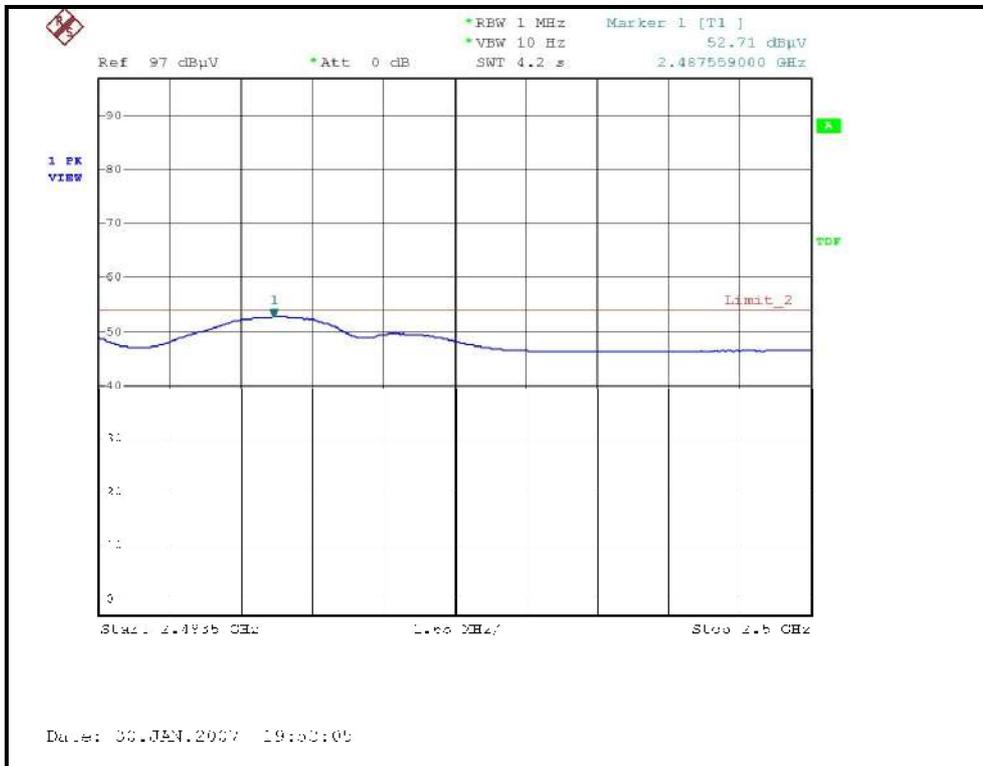
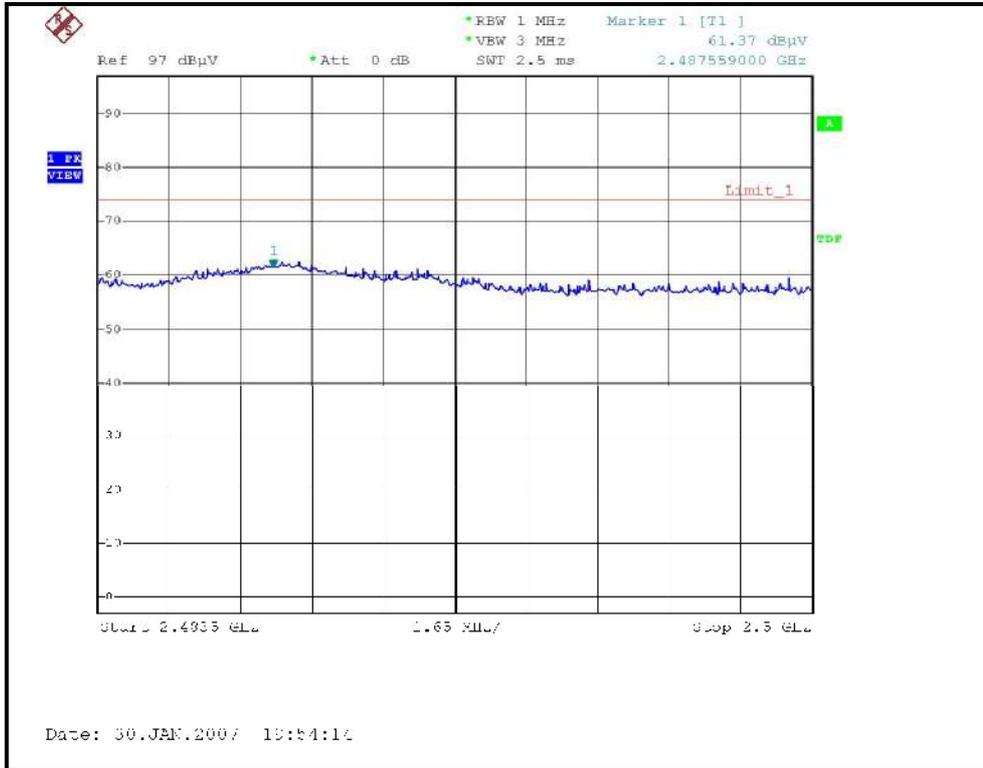
RESTRICTED BANDEDGE (802.11b MODE, CH1, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, HORIZONTAL)



RESTRICTED BANDEDGE (802.11b MODE, CH11, VERTICAL)



802.11g OFDM modulation

MODE	Channel 1	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	58.30 PK	74.00	-15.70	1.80 H	115	26.60	31.70
1	2320.00	46.10 AV	54.00	-7.90	1.80 H	115	14.40	31.70
2	*2412.00	93.30 PK			1.80 H	115	61.30	32.00
2	*2412.00	82.60 AV			1.80 H	115	50.60	32.00
3	4824.00	45.00 PK	74.00	-29.00	1.57 H	262	9.00	36.00
3	4824.00	32.70 AV	54.00	-21.30	1.57 H	262	-3.30	36.00
4	7236.00	51.10 PK	74.00	-22.90	1.31 H	189	8.90	42.20
4	7236.00	39.00 AV	54.00	-15.00	1.31 H	189	-3.20	42.20

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	61.20 PK	74.00	-12.80	1.00 V	163	29.50	31.70
1	2320.00	53.00 AV	54.00	-1.00	1.00 V	163	21.30	31.70
2	*2412.00	108.80 PK			1.04 V	165	76.80	32.00
2	*2412.00	98.70 AV			1.04 V	165	66.70	32.00
3	4824.00	45.10 PK	74.00	-28.90	1.00 V	194	9.10	36.00
3	4824.00	33.20 AV	54.00	-20.80	1.00 V	194	-2.80	36.00
4	7236.00	51.30 PK	74.00	-22.70	1.00 V	187	9.10	42.20
4	7236.00	39.10 AV	54.00	-14.90	1.00 V	187	-3.10	42.20

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	57.70 PK	74.00	-16.30	1.58 H	76	26.00	31.70
1	2320.00	46.10 AV	54.00	-7.90	1.58 H	76	14.40	31.70
2	*2437.00	94.40 PK			1.58 H	76	62.30	32.10
2	*2437.00	83.60 AV			1.58 H	76	51.50	32.10
3	2483.50	55.60 PK	74.00	-18.40	1.58 H	76	23.30	32.30
3	2483.50	45.50 AV	54.00	-8.50	1.58 H	76	13.30	32.30
4	4874.00	45.10 PK	74.00	-28.90	1.34 H	208	9.00	36.10
4	4874.00	33.10 AV	54.00	-20.90	1.34 H	208	-3.00	36.10
5	7311.00	51.60 PK	74.00	-22.40	1.17 H	163	9.10	42.50
5	7311.00	39.20 AV	54.00	-14.80	1.17 H	163	-3.30	42.50

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	61.70 PK	74.00	-12.30	1.00 V	170	30.00	31.70
1	2320.00	53.70 AV	54.00	-0.30	1.00 V	170	22.00	31.70
2	*2437.00	109.40 PK			1.25 V	166	77.30	32.10
2	*2437.00	99.30 AV			1.25 V	166	67.20	32.10
3	2483.50	58.60 PK	74.00	-15.40	1.21 V	173	26.30	32.30
3	2483.50	47.20 AV	54.00	-6.80	1.21 V	173	14.90	32.30
4	4874.00	45.20 PK	74.00	-28.80	1.00 V	288	9.10	36.10
4	4874.00	33.40 AV	54.00	-20.60	1.00 V	288	-2.70	36.10
5	7311.00	51.50 PK	74.00	-22.50	1.00 V	236	9.00	42.50
5	7311.00	39.40 AV	54.00	-14.60	1.00 V	236	-3.10	42.50

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * ” : Fundamental frequency

MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak (PK) Average (AV) 6 MHz
ENVIRONMENTAL CONDITIONS	23 deg. C, 63%RH, 970hPa	TESTED BY	Tony Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

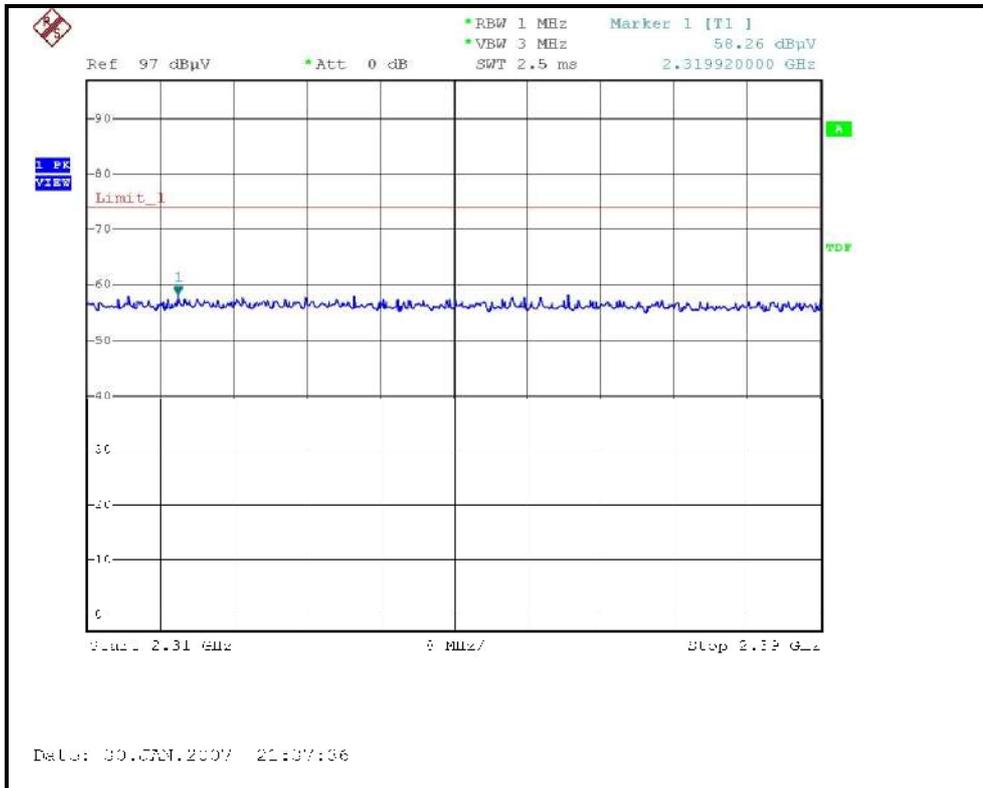
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	56.20 PK	74.00	-17.80	1.48 H	120	24.60	31.70
1	2320.00	45.70 AV	54.00	-8.30	1.48 H	120	14.00	31.70
2	*2462.00	94.80 PK			1.48 H	120	62.60	32.20
2	*2462.00	83.70 AV			1.48 H	120	51.50	32.20
3	2483.50	56.50 PK	74.00	-17.50	1.48 H	120	24.30	32.30
3	2483.50	45.60 AV	54.00	-8.40	1.48 H	120	13.40	32.30
4	4924.00	45.10 PK	74.00	-28.90	1.43 H	192	8.90	36.20
4	4924.00	32.90 AV	54.00	-21.10	1.43 H	192	-3.30	36.20
5	7386.00	51.70 PK	74.00	-22.30	1.15 H	149	8.90	42.80
5	7386.00	39.40 AV	54.00	-14.60	1.15 H	149	-3.40	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

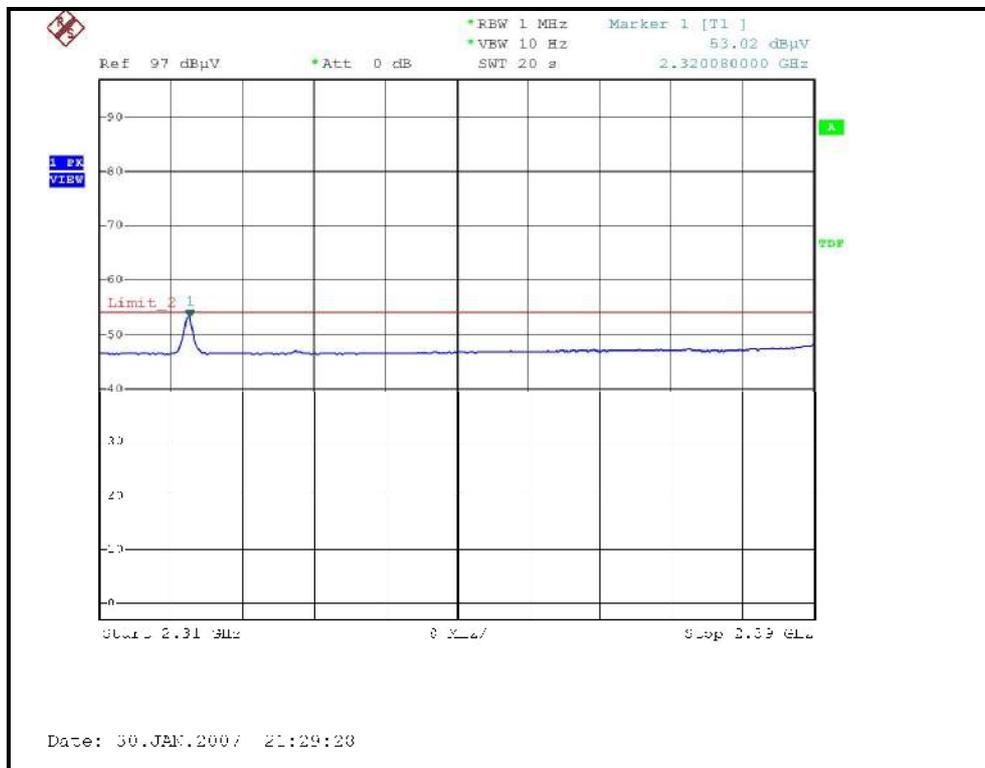
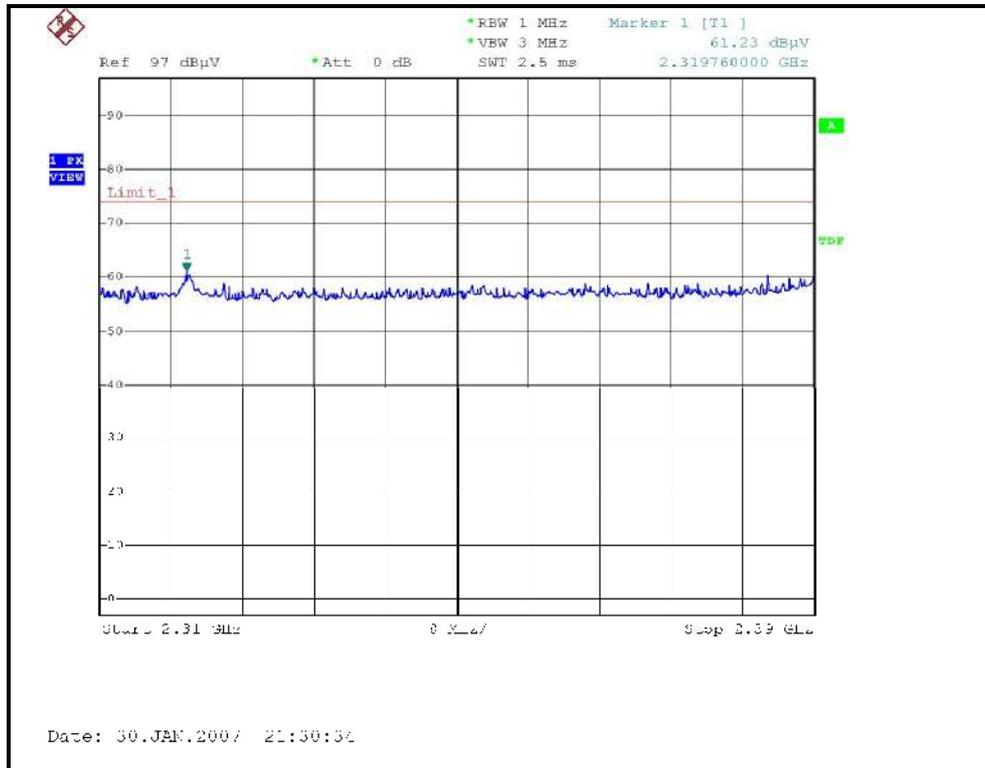
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2320.00	61.80 PK	74.00	-12.20	1.00 V	152	30.10	31.70
1	2320.00	53.50 AV	54.00	-0.50	1.00 V	152	21.80	31.70
2	*2462.00	109.60 PK			1.25 V	165	77.40	32.20
2	*2462.00	99.40 AV			1.25 V	165	67.20	32.20
3	2483.50	67.50 PK	74.00	-6.50	1.22 V	168	35.20	32.30
3	2483.50	50.00 AV	54.00	-4.00	1.22 V	168	17.70	32.30
4	4924.00	45.30 PK	74.00	-28.70	1.00 V	296	9.10	36.20
4	4924.00	33.20 AV	54.00	-20.80	1.00 V	296	-3.00	36.20
5	7386.00	51.40 PK	74.00	-22.60	1.00 V	158	8.60	42.80
5	7386.00	39.20 AV	54.00	-14.80	1.00 V	158	-3.60	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * ” : Fundamental frequency

RESTRICTED BANDEDGE (802.11g MODE,CH1, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH1, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE, CH11, VERTICAL)

