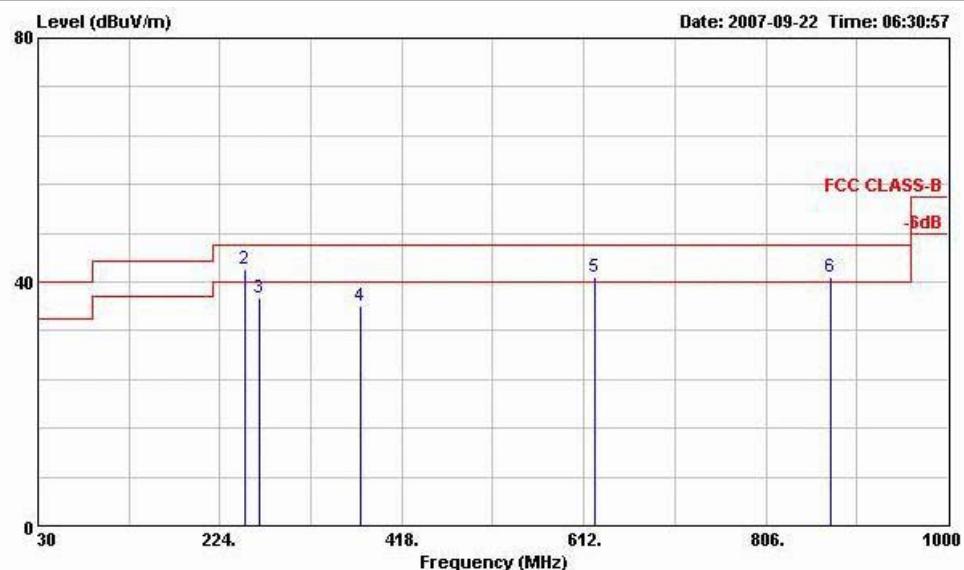




Test Mode : Mode 15

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

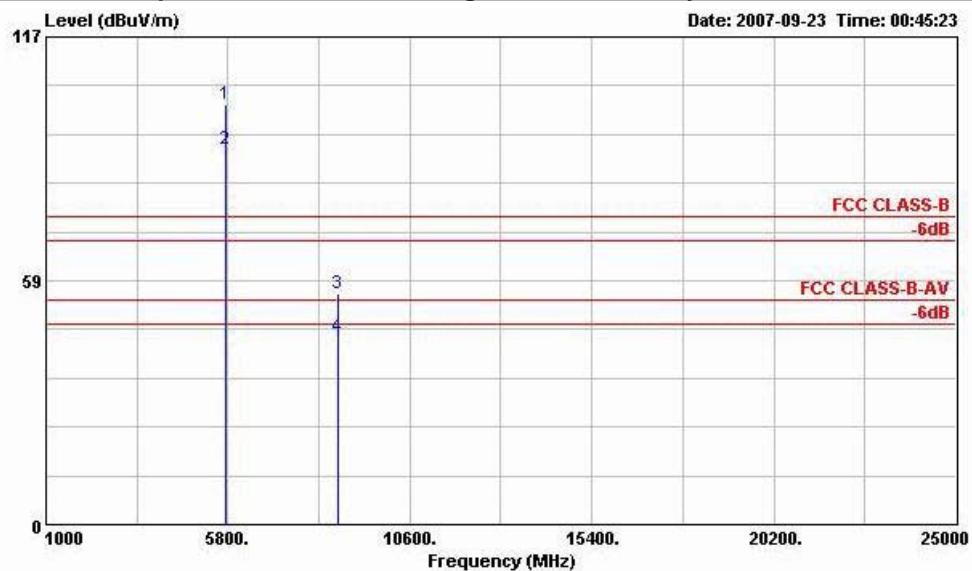
MOME : 11n(a)_Tx(20M)Ch149

Data Rate: 6.5

Freq	Level	Over	Limit	Read	Ant	Table	Remark	
		Line	Antenna	Cable	Preamp	Pos		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg
1	30.810	32.44	-7.56	40.00	41.87	16.36	0.88	26.67
2 !	250.050	42.05	-3.95	46.00	53.34	12.57	2.05	25.91
3	266.250	37.32	-8.68	46.00	48.58	12.48	2.11	25.85
4	374.200	35.99	-10.01	46.00	44.86	14.88	2.49	26.24
5 !	624.100	40.76	-5.24	46.00	44.58	19.96	3.26	27.04
6 !	875.400	40.88	-5.12	46.00	41.01	22.62	3.92	26.67



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch149
 Data Rate: 6.5

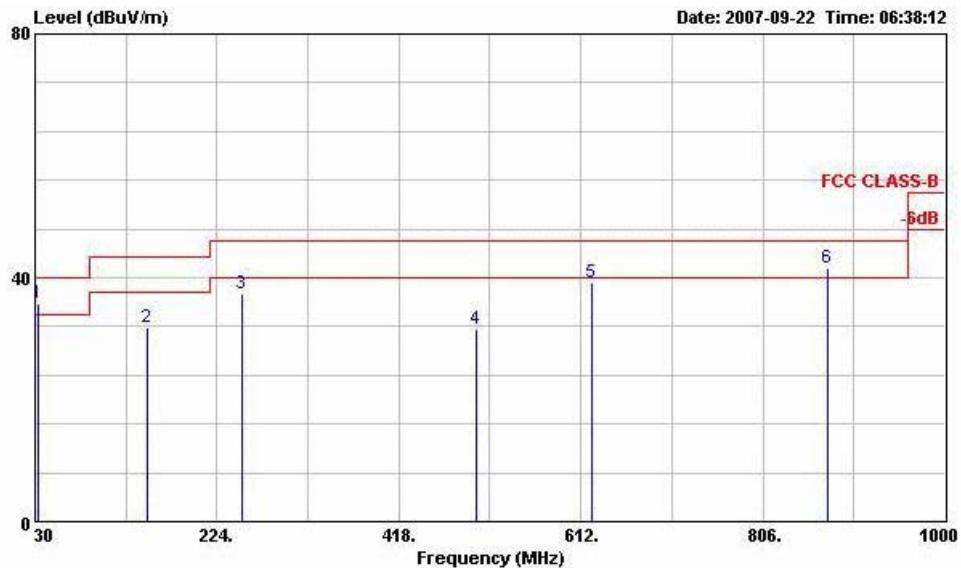
Freq	Level	Over Limit		ReadAntenna Line	Cable Factor	Preamp Loss	Ant Factor	Table	
		MHz	dBuV/m	dB	dBuV/m	dB	cm	deg	
1 X	5745.000	100.98		95.06	33.94	6.02	34.05	100	0 Peak
2 X	5745.000	90.02		84.10	33.94	6.02	34.05	100	25 Average
3	8692.000	55.37	-18.63	74.00	45.10	37.72	7.11	34.56	100 0 Peak
4	8692.000	45.14	-8.86	54.00	34.87	37.72	7.11	34.56	100 247 Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

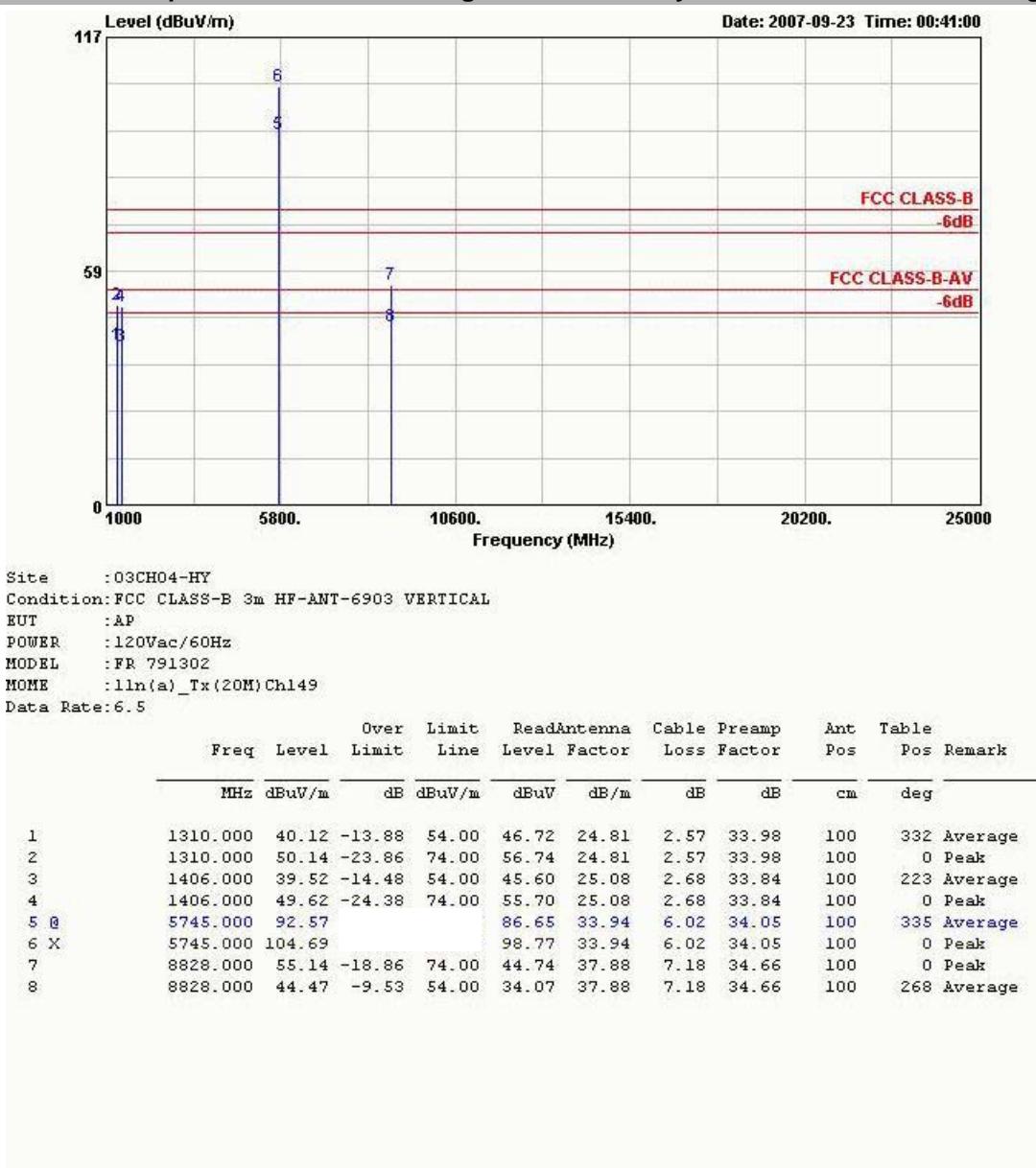
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 VERTICAL
EUT : AP
POWER : 120Vac/60Hz
MODEL : FR 791302
MOME : 1ln(a) Tx(20M)Ch149
Data Rate: 6.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Line	Limit	Antenna	Level	Factor	Loss	Factor	Pos	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	32.970	35.86	-4.14	40.00	45.30	16.33	0.90	26.66	100	48 QP
2	149.340	31.93	-11.57	43.50	45.80	10.75	1.66	26.28	---	--- Peak
3	250.050	37.37	-8.63	46.00	48.66	12.57	2.05	25.91	---	--- Peak
4	500.200	31.45	-14.55	46.00	38.81	16.91	2.81	27.08	---	--- Peak
5	624.100	39.19	-6.81	46.00	43.01	19.96	3.26	27.04	---	--- Peak
6 !	875.400	41.66	-4.34	46.00	41.79	22.62	3.92	26.67	---	--- Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

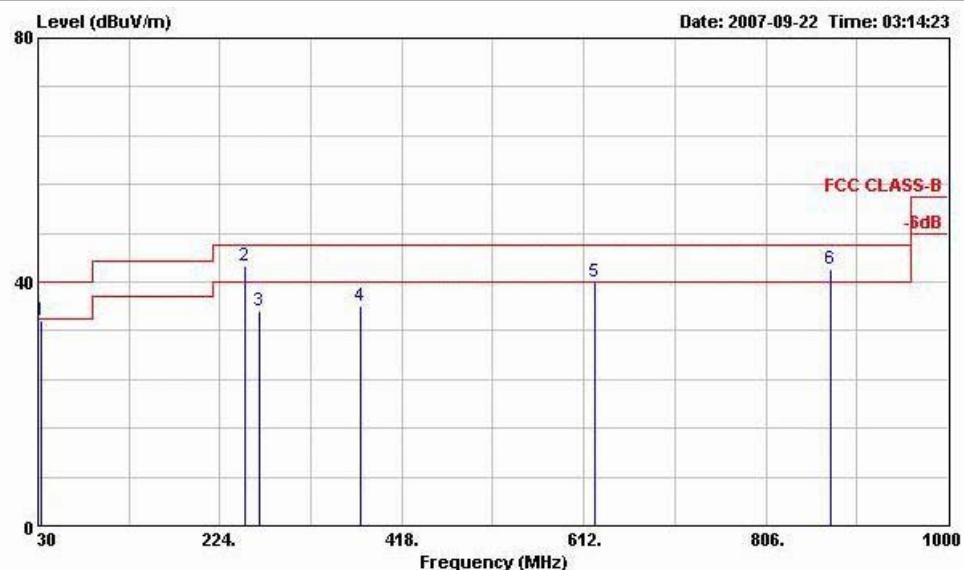
Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal



Test Mode : Mode 16

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

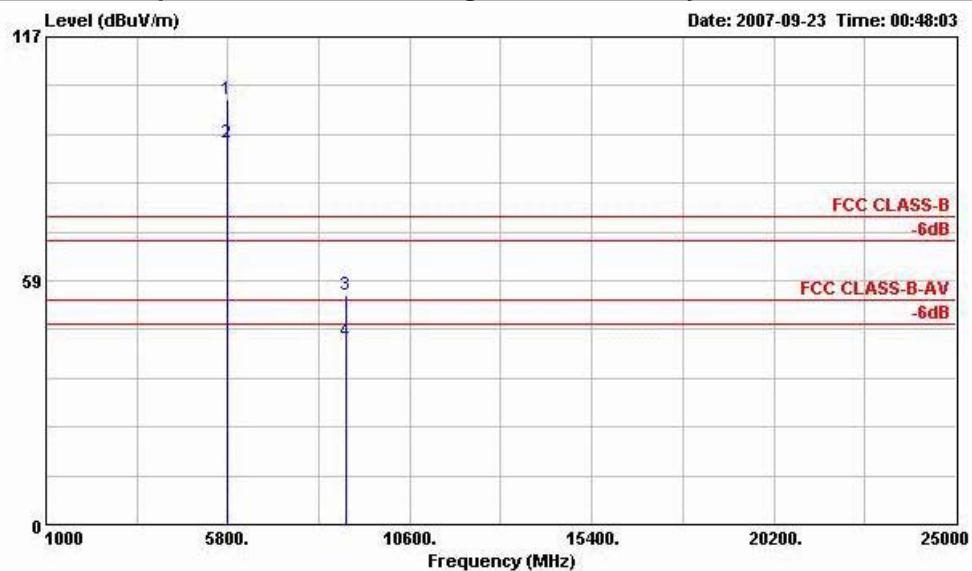
MOME : 11n(a)_Tx(20M)Ch157

Data Rate: 6.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Line	Limit	Level	Factor	Loss	Factor	Pos	Pos	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.970	33.81	-6.19	40.00	43.25	16.33	0.90	26.66	---	--- Peak
2 !	250.050	42.56	-3.44	46.00	53.85	12.57	2.05	25.91	100	12 Peak
3	266.250	35.32	-10.68	46.00	46.58	12.48	2.11	25.85	---	--- Peak
4	374.200	36.14	-9.86	46.00	45.01	14.88	2.49	26.24	---	--- Peak
5 !	624.100	40.12	-5.88	46.00	43.94	19.96	3.26	27.04	---	--- Peak
6 !	875.400	42.09	-3.91	46.00	42.22	22.62	3.92	26.67	---	--- Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch157
 Data Rate: 6.5

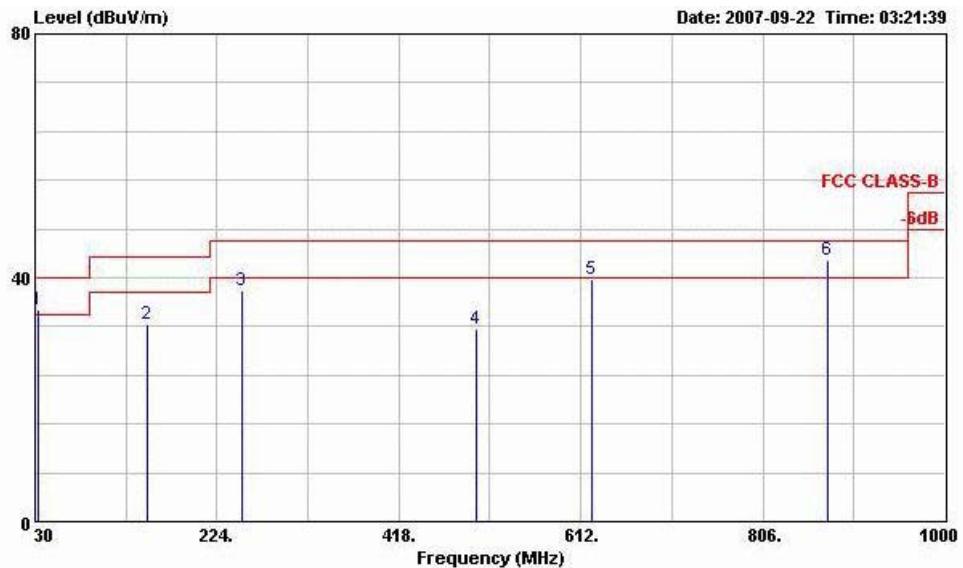
Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 X	5785.000	101.85		95.90	33.97	6.02	34.04	100	0	Peak	
2 X	5785.000	91.41		85.46	33.97	6.02	34.04	100	20	Average	
3	8910.000	55.16	-18.84	74.00	44.67	37.98	7.23	34.72	100	0	Peak
4	8910.000	43.95	-10.05	54.00	33.46	37.98	7.23	34.72	100	255	Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

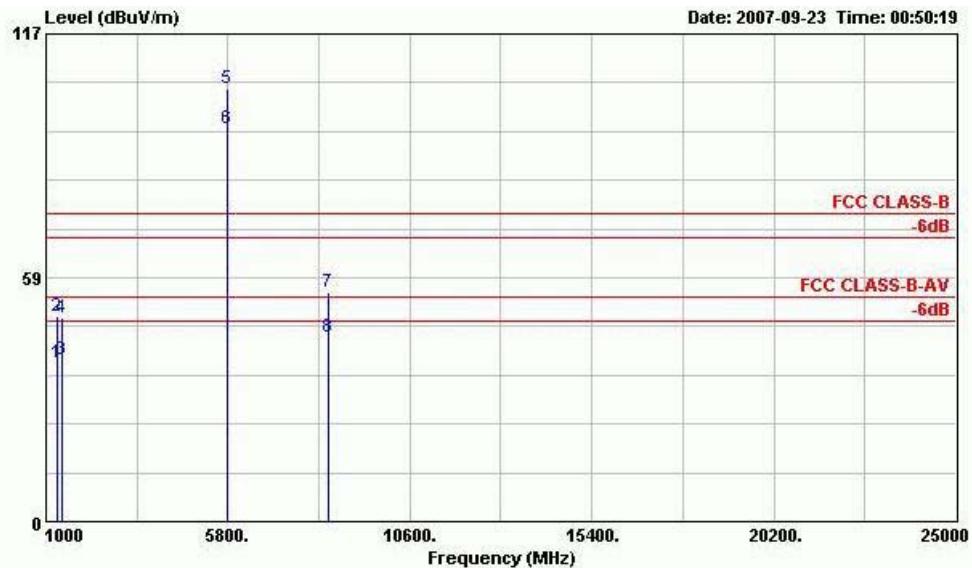
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch157
 Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna Line	Cable Factor	Preamp	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg
1 !	32.970	34.74	-5.26	40.00	44.18	16.33	0.90	26.66	100 17 QP
2	149.340	32.50	-11.00	43.50	46.37	10.75	1.66	26.28	--- --- Peak
3	250.050	37.85	-8.15	46.00	49.14	12.57	2.05	25.91	--- --- Peak
4	500.200	31.55	-14.45	46.00	38.91	16.91	2.81	27.08	--- --- Peak
5	624.100	39.69	-6.31	46.00	43.51	19.96	3.26	27.04	--- --- Peak
6 !	875.400	42.98	-3.02	46.00	43.11	22.62	3.92	26.67	100 43 QP



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch157
 Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1310.000	38.12	-15.88	54.00	44.72	24.81	2.57	33.98	100	331	Average
2	1310.000	49.38	-24.62	74.00	55.98	24.81	2.57	33.98	100	0	Peak
3	1430.000	39.02	-14.98	54.00	45.00	25.12	2.71	33.81	100	222	Average
4	1430.000	49.02	-24.98	74.00	55.00	25.12	2.71	33.81	100	0	Peak
5 X	5785.000	104.04			98.10	33.97	6.02	34.05	100	0	Peak
6 @	5785.000	94.18			88.23	33.97	6.02	34.04	100	349	Average
7	8454.000	54.91	-19.09	74.00	44.80	37.43	7.00	34.32	100	0	Peak
8	8454.000	44.24	-9.76	54.00	34.13	37.43	7.00	34.32	100	265	Average

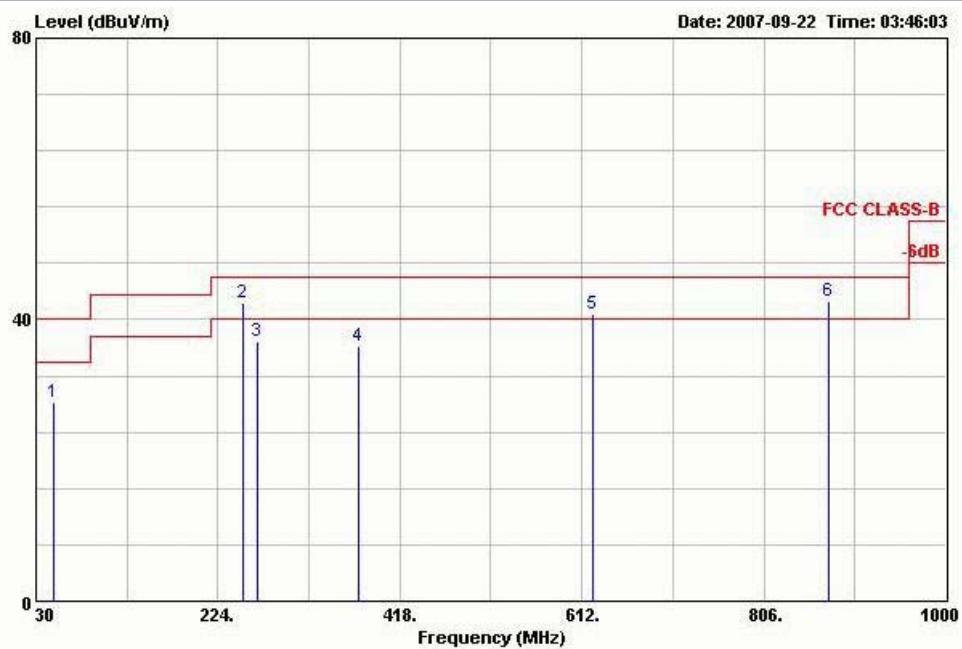
Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal



Test Mode : Mode 17

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

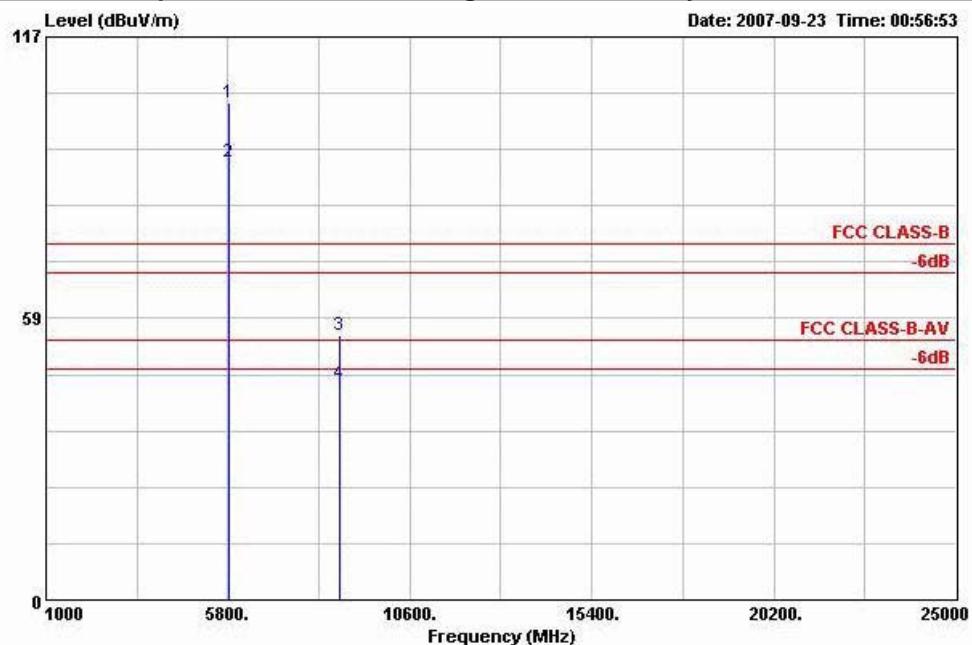
MOME : 11n(a)_Tx(20M)Ch165

Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna Level	Cable Factor	Preamp Factor	Ant Table		Table Pos	Remark
		Line	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	48.900	28.19	-11.81	40.00	45.75	8.03	1.02	26.61	---	--- Peak
2 !	250.050	42.28	-3.72	46.00	53.57	12.57	2.05	25.91	---	--- Peak
3	266.250	36.81	-9.19	46.00	48.07	12.48	2.11	25.85	---	--- Peak
4	374.200	36.32	-9.68	46.00	45.19	14.88	2.49	26.24	---	--- Peak
5 !	624.100	40.72	-5.28	46.00	44.54	19.96	3.26	27.04	---	--- Peak
6 !	875.400	42.72	-3.28	46.00	42.85	22.62	3.92	26.67	100	255 Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(a)_Tx(20M)Ch165
 Data Rate: 6.5

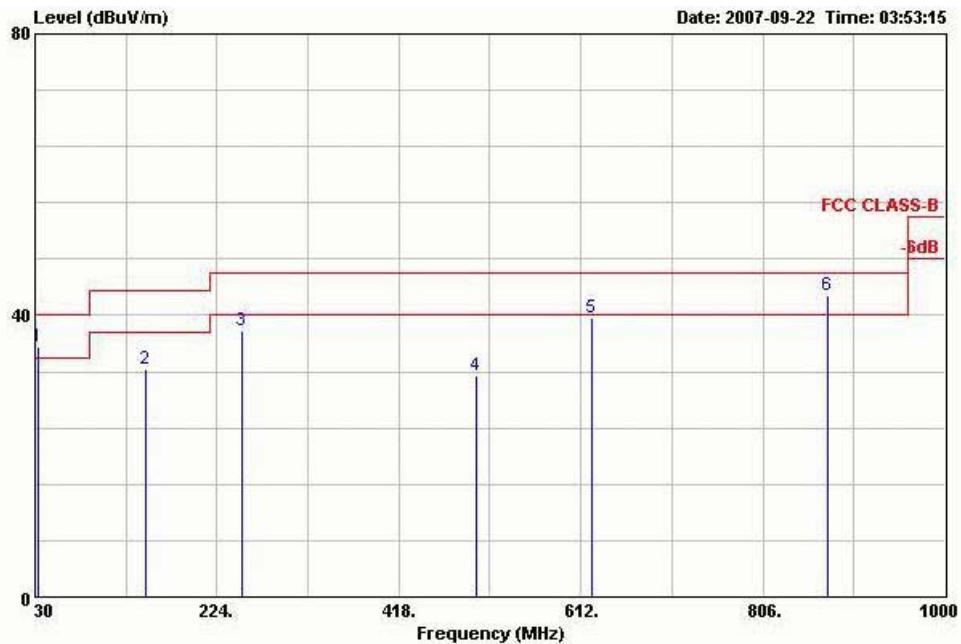
Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table
		MHz	dB	Line	Level	Factor	Loss	Factor	Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	deg
1 X	5825.000	103.41			97.43	34.00	6.02	34.04	100 0 Peak
2 X	5825.000	91.00			85.02	34.00	6.02	34.04	100 23 Average
3	8742.000	55.06	-18.94	74.00	44.73	37.78	7.15	34.60	100 0 Peak
4	8742.000	45.02	-8.98	54.00	34.69	37.78	7.15	34.60	100 269 Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

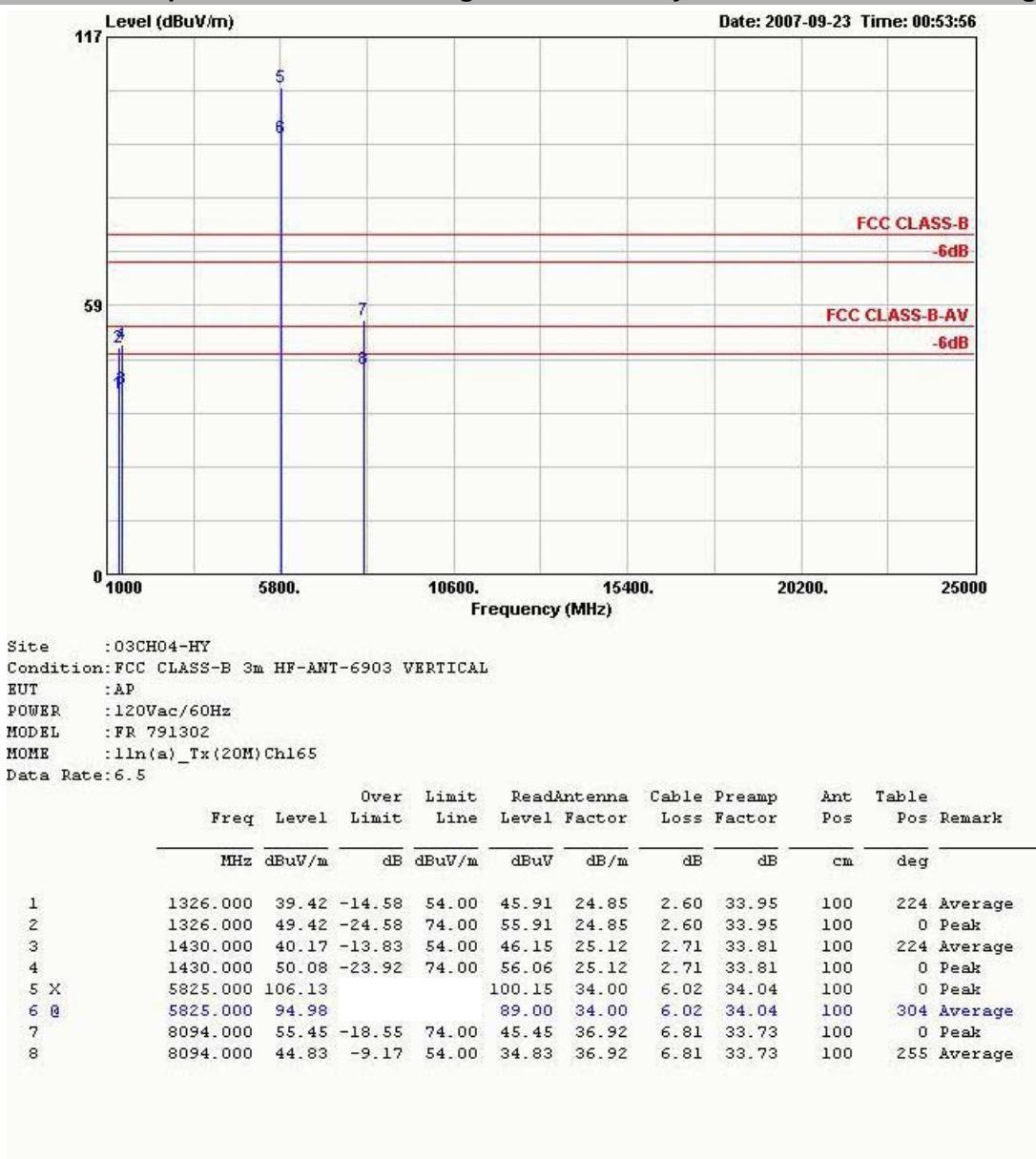
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(a)_Tx(20M)Ch165
 Data Rate: 6.5

Freq	Level	Over Limit	Limit Line	ReadAntenna		Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark	
				MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm
1 !	32.970	35.52	-4.48	40.00	44.96	16.33	0.90	26.66	100	19	QP
2	148.530	32.47	-11.03	43.50	46.36	10.74	1.66	26.28	---	---	Peak
3	250.050	37.73	-8.27	46.00	49.02	12.57	2.05	25.91	---	---	Peak
4	500.200	31.38	-14.62	46.00	38.74	16.91	2.81	27.08	---	---	Peak
5	624.100	39.77	-6.23	46.00	43.59	19.96	3.26	27.04	---	---	Peak
6 !	875.400	42.89	-3.11	46.00	43.02	22.62	3.92	26.67	100	136	Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

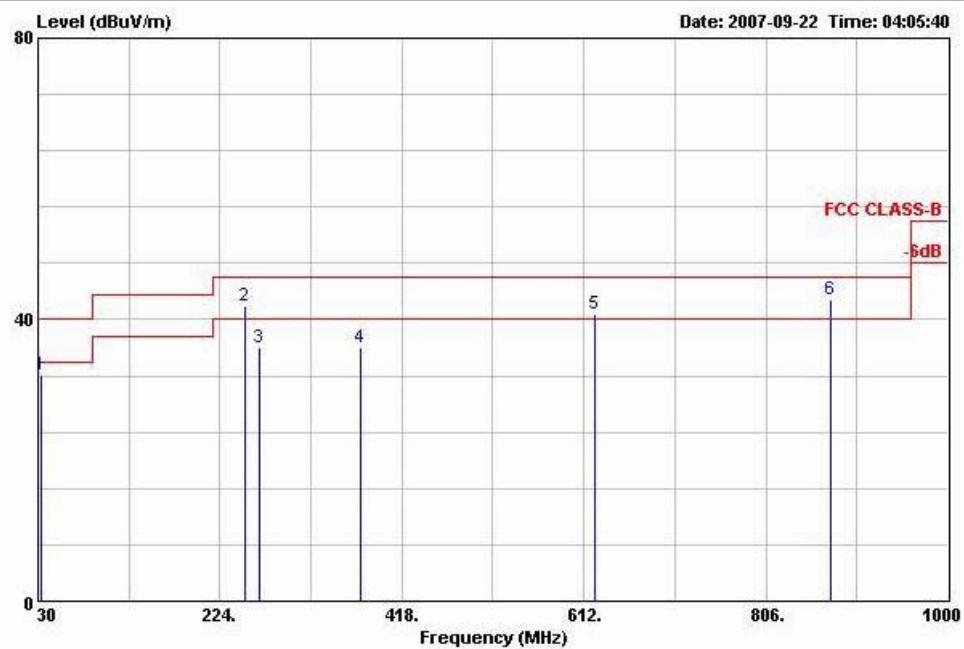
Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal



Test Mode : Mode 18

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

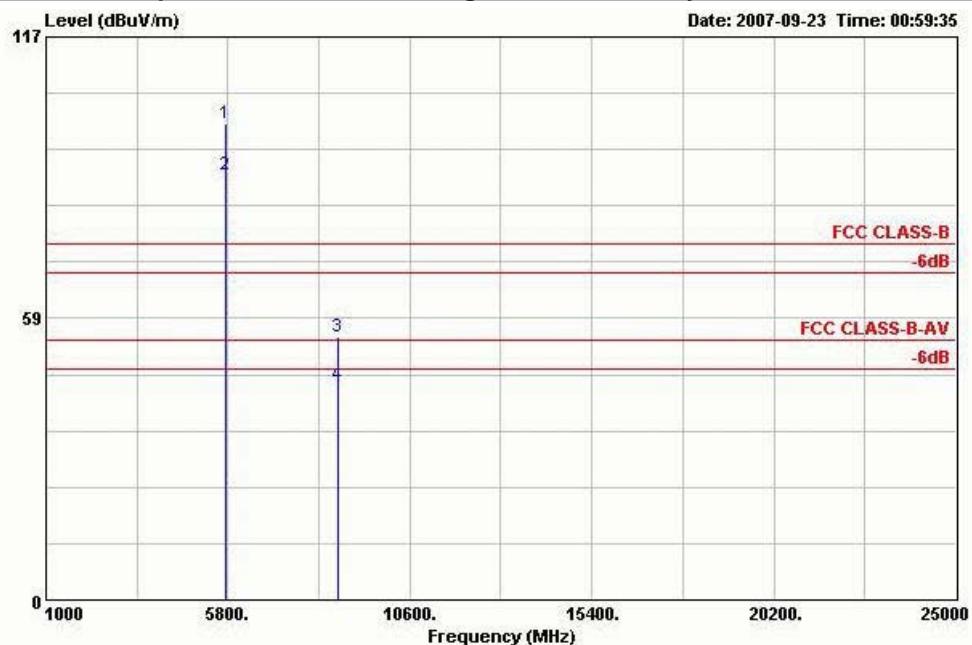
MOME : 11n(a)_Tx (40M) Ch151

Data Rate: 13.5

Freq	Level	Over Limit		ReadAntenna Level	Cable Factor	Preamp Factor	Ant Table		Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	32.970	32.18	-7.82	40.00	41.62	16.33	0.90	26.66	---	---	Peak
2 !	250.050	41.86	-4.14	46.00	53.15	12.57	2.05	25.91	---	---	Peak
3	266.250	36.10	-9.90	46.00	47.36	12.48	2.11	25.85	---	---	Peak
4	374.200	36.10	-9.90	46.00	44.97	14.88	2.49	26.24	---	---	Peak
5 !	624.100	40.77	-5.23	46.00	44.59	19.96	3.26	27.04	---	---	Peak
6 !	875.400	42.93	-3.07	46.00	43.06	22.62	3.92	26.67	100	289	Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(a)_Tx(40M)Ch151
 Data Rate: 13.5

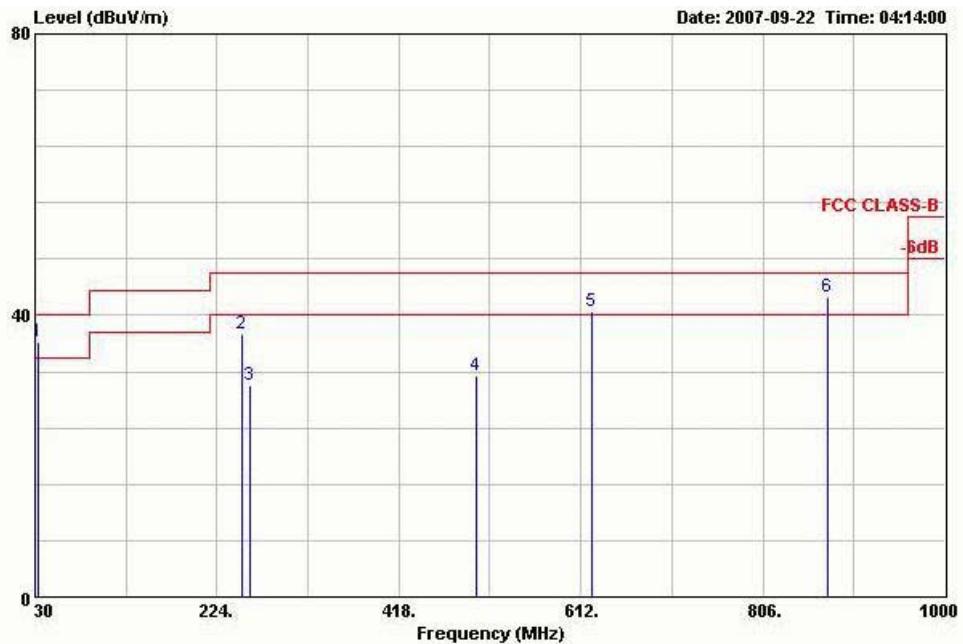
Freq	Level	Over Limit		ReadAntenna Level	Cable Factor	Preamp	Ant Pos	Table Pos	Remark
		MHz	dB	dBuV/m	dBuV	dB/m	dB	cm	deg
1 X	5755.000	98.94			93.01	33.96	6.02	34.05	100 0 Peak
2 X	5755.000	88.34			82.41	33.96	6.02	34.05	100 14 Average
3	8692.000	54.79	-19.21	74.00	44.52	37.72	7.11	34.56	100 0 Peak
4	8692.000	44.52	-9.48	54.00	34.25	37.72	7.11	34.56	100 248 Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

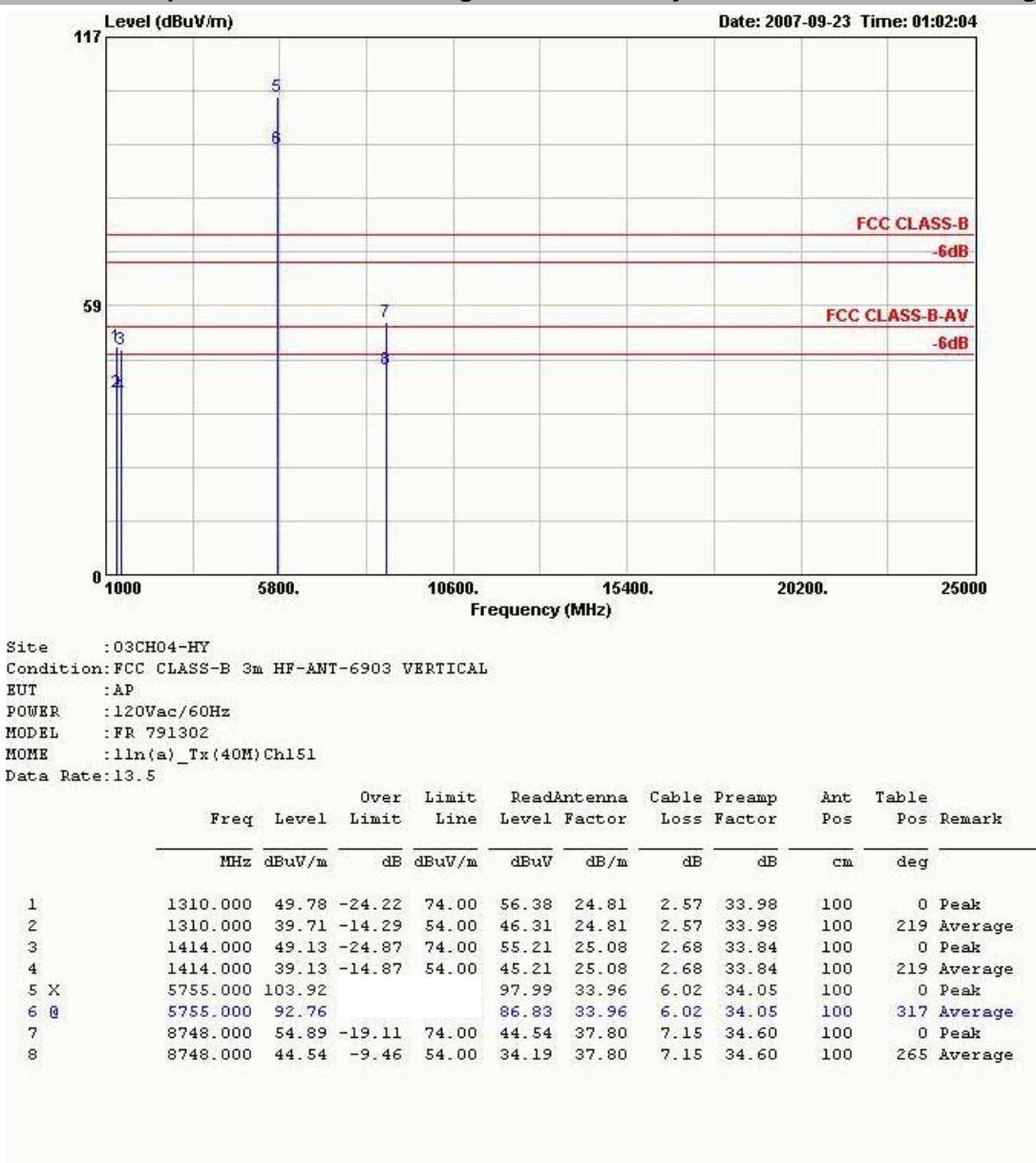
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(a)_Tx(40M)Ch151
 Data Rate: 13.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Factor		
1 !	32.970	36.30	-3.70	40.00	45.74	16.33	0.90	26.66	100	70	QP
2	250.050	37.39	-8.61	46.00	48.68	12.57	2.05	25.91	---	---	Peak
3	258.690	30.02	-15.98	46.00	41.29	12.52	2.08	25.88	---	---	Peak
4	500.200	31.37	-14.63	46.00	38.73	16.91	2.81	27.08	---	---	Peak
5 !	624.100	40.47	-5.53	46.00	44.29	19.96	3.26	27.04	---	---	Peak
6 !	875.400	42.52	-3.48	46.00	42.65	22.62	3.92	26.67	100	261	Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

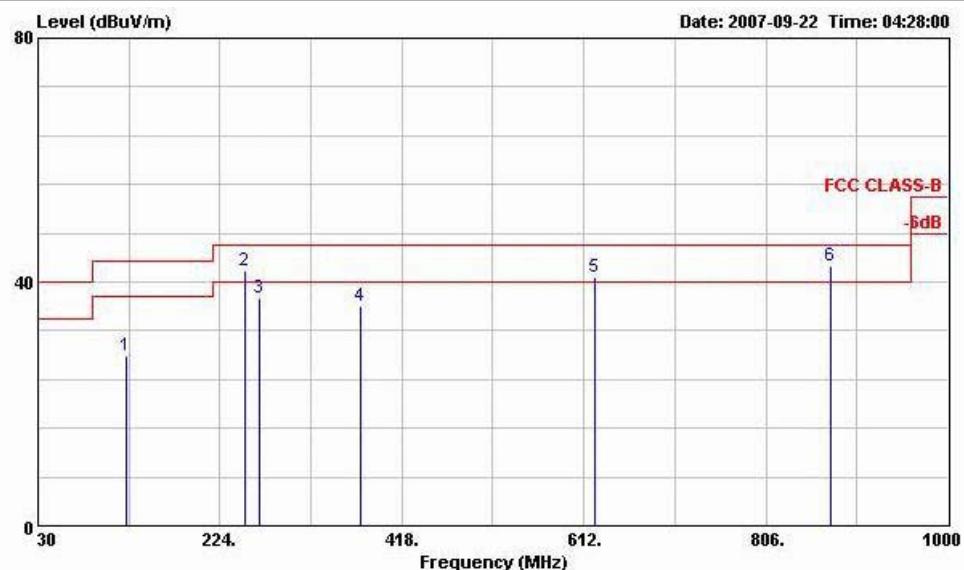
Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal



Test Mode : Mode 19

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

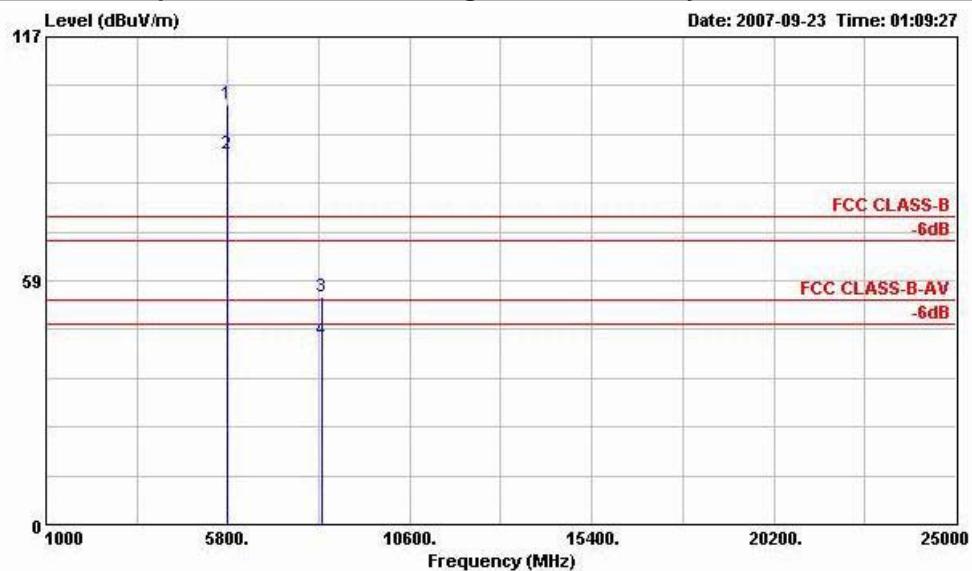
MOME : 11n(a)_Tx(40M) Ch159

Data Rate: 13.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	
		Line	Limit						
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	124.770	27.94	-15.56	43.50	40.90	11.90	1.51	26.37	---
2 !	250.050	41.79	-4.21	46.00	53.08	12.57	2.05	25.91	---
3	266.250	37.36	-8.64	46.00	48.62	12.48	2.11	25.85	---
4	374.200	36.13	-9.87	46.00	45.00	14.88	2.49	26.24	---
5 !	624.100	40.78	-5.22	46.00	44.60	19.96	3.26	27.04	---
6 !	875.400	42.69	-3.31	46.00	42.82	22.62	3.92	26.67	100 289 Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
EUT : AP
POWER : 120Vac/60Hz
MODEL : FR 791302
MOME : 1ln(a) - Tx(40M)Ch159
Data Rate: 13.5

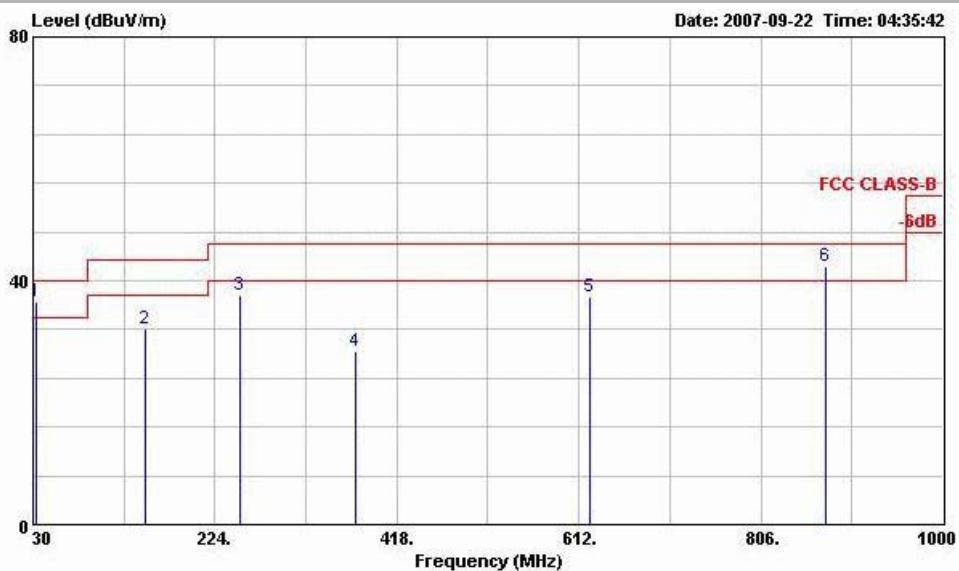
Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 X	5795.000	100.84		94.88	33.98	6.02	34.04	100	0	Peak	
2 X	5795.000	88.97		83.01	33.98	6.02	34.04	100	343	Average	
3	8268.000	54.56	-19.44	74.00	44.50	37.19	6.90	34.02	100	0	Peak
4	8268.000	44.35	-9.65	54.00	34.29	37.19	6.90	34.02	100	135	Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

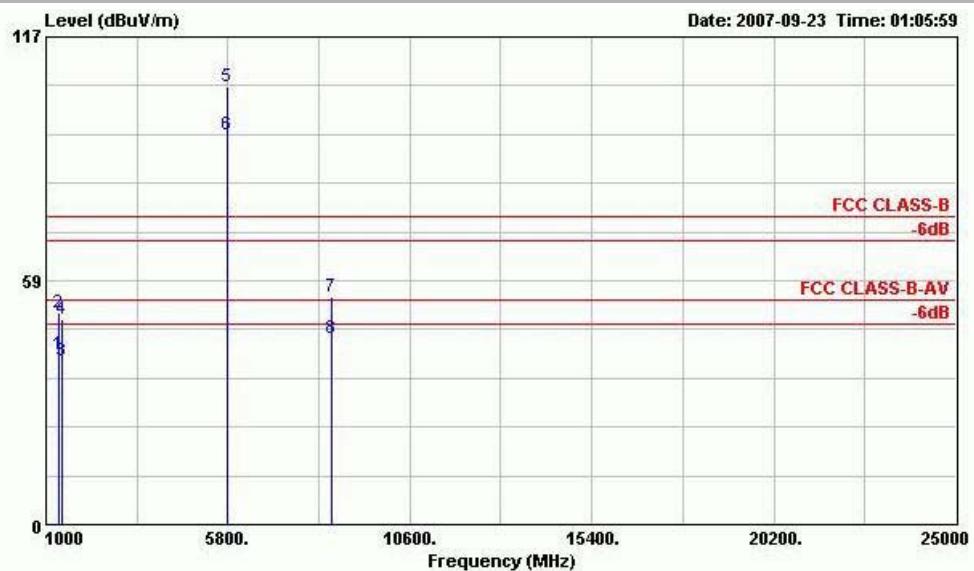
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(40M)Ch159
 Data Rate: 13.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table
		Line	Limit	Antenna	Level	Factor	Loss	Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 !	32.970	36.50	-3.50	40.00	45.94	16.33	0.90	26.66	100 75 QP
2	149.610	32.06	-11.44	43.50	45.93	10.75	1.66	26.28	--- --- Peak
3	250.050	37.50	-8.50	46.00	48.79	12.57	2.05	25.91	--- --- Peak
4	374.200	28.34	-17.66	46.00	37.21	14.88	2.49	26.24	--- --- Peak
5	624.100	37.28	-8.72	46.00	41.10	19.96	3.26	27.04	--- --- Peak
6 !	875.400	42.30	-3.70	46.00	42.43	22.62	3.92	26.67	--- --- Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(40M)Ch159
 Data Rate:13.5

Freq	Level	Over Limit	Limit Line	ReadAntenna		Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark	
				MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm
1	1326.000	40.74	-13.26	54.00	47.23	24.85	2.60	33.95	100	223	Average
2	1326.000	50.80	-23.20	74.00	57.29	24.85	2.60	33.95	100	0	Peak
3	1430.000	39.35	-14.65	54.00	45.33	25.12	2.71	33.81	100	223	Average
4	1430.000	49.35	-24.65	74.00	55.33	25.12	2.71	33.81	100	0	Peak
5 X	5795.000	104.88			98.92	33.98	6.02	34.04	100	0	Peak
6 @	5795.000	93.44			87.48	33.98	6.02	34.04	100	318	Average
7	8540.000	54.73	-19.27	74.00	44.58	37.56	7.03	34.44	100	0	Peak
8	8540.000	44.57	-9.43	54.00	34.42	37.56	7.03	34.44	100	255	Average

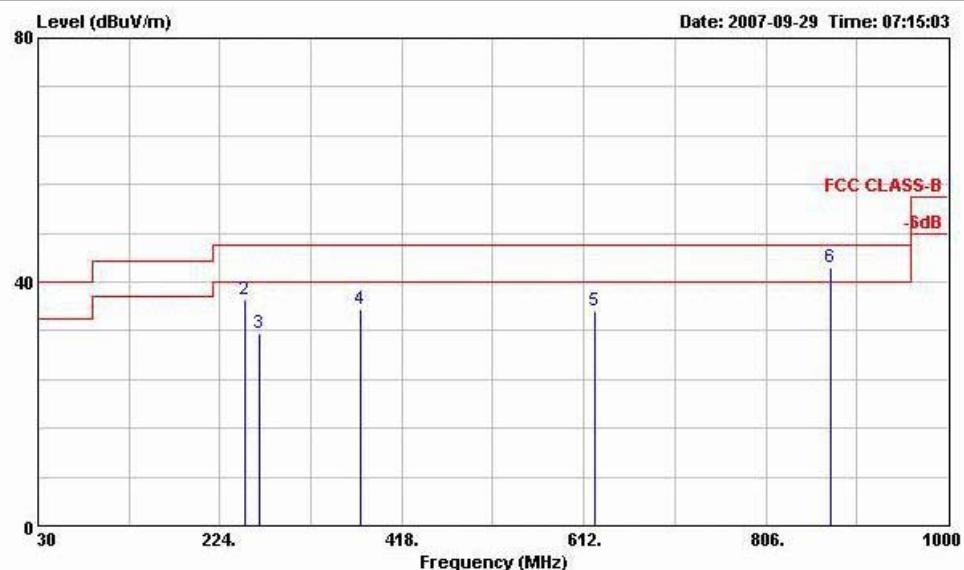
Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal



Test Mode : Mode 20

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

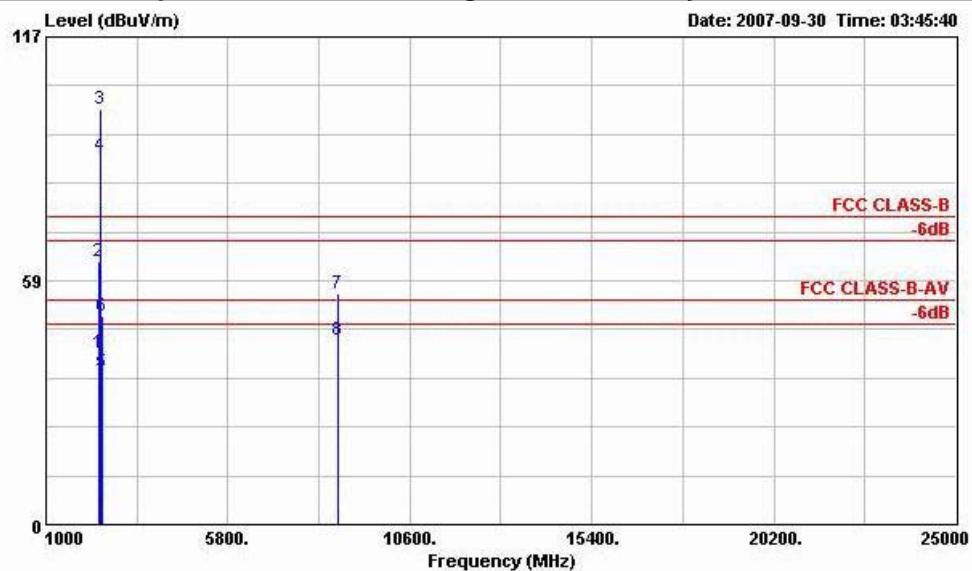
MOME : 11n(g)_Tx(40M) Ch03

Data Rate: 13.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.810	29.93	-10.07	40.00	39.36	16.36	0.88	26.67	---	---	Peak
2	250.050	37.22	-8.78	46.00	48.51	12.57	2.05	25.91	---	---	Peak
3	266.250	31.46	-14.54	46.00	42.72	12.48	2.11	25.85	---	---	Peak
4	374.200	35.43	-10.57	46.00	44.30	14.88	2.49	26.24	---	---	Peak
5	624.100	35.15	-10.85	46.00	38.97	19.96	3.26	27.04	---	---	Peak
6	875.400	42.49	-3.51	46.00	42.62	22.62	3.92	26.67	100	346	Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(g) Tx(40M)Ch03
 Data Rate: 13.5

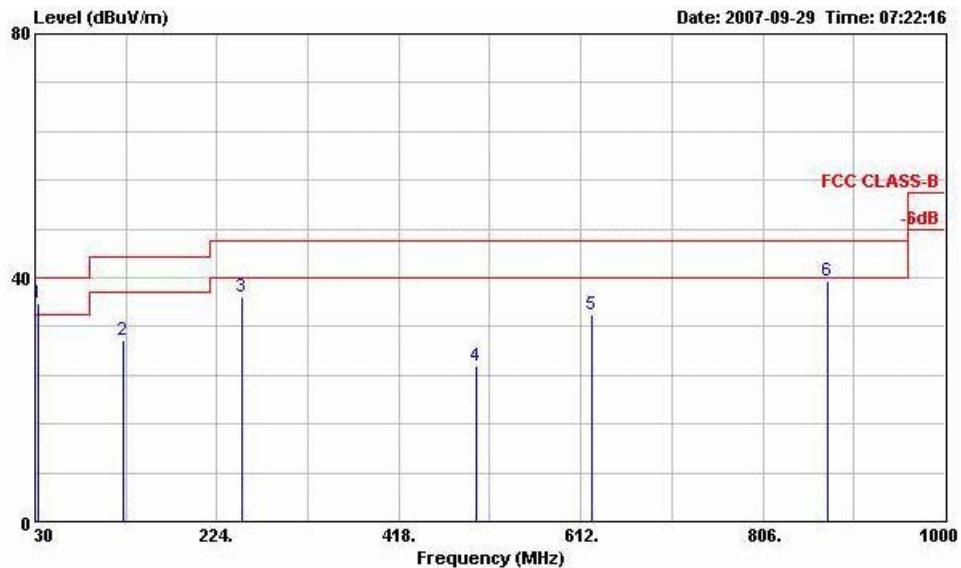
Freq	Level	Over Limit		ReadAntenna		Cable Preamp		Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	deg
1	2388.090	41.32	-12.68	54.00	43.28	28.07	3.74	33.78	100	169 Average
2	2388.090	63.31	-10.69	74.00	65.27	28.07	3.74	33.78	100	0 Peak
3 X	2422.000	99.77			101.65	28.15	3.76	33.79	100	0 Peak
4 X	2422.000	88.45			90.32	28.15	3.76	33.79	100	169 Average
5	2497.530	36.60	-17.40	54.00	38.26	28.30	3.84	33.80	100	169 Average
6	2497.530	49.88	-24.12	74.00	51.54	28.30	3.84	33.80	100	0 Peak
7	8721.000	55.49	-18.51	74.00	45.18	37.76	7.13	34.58	100	0 Peak
8	8721.000	44.14	-9.86	54.00	33.83	37.76	7.13	34.58	100	324 Average

Remark:

1. "3" represents the Fundamental Signal
2. "4" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

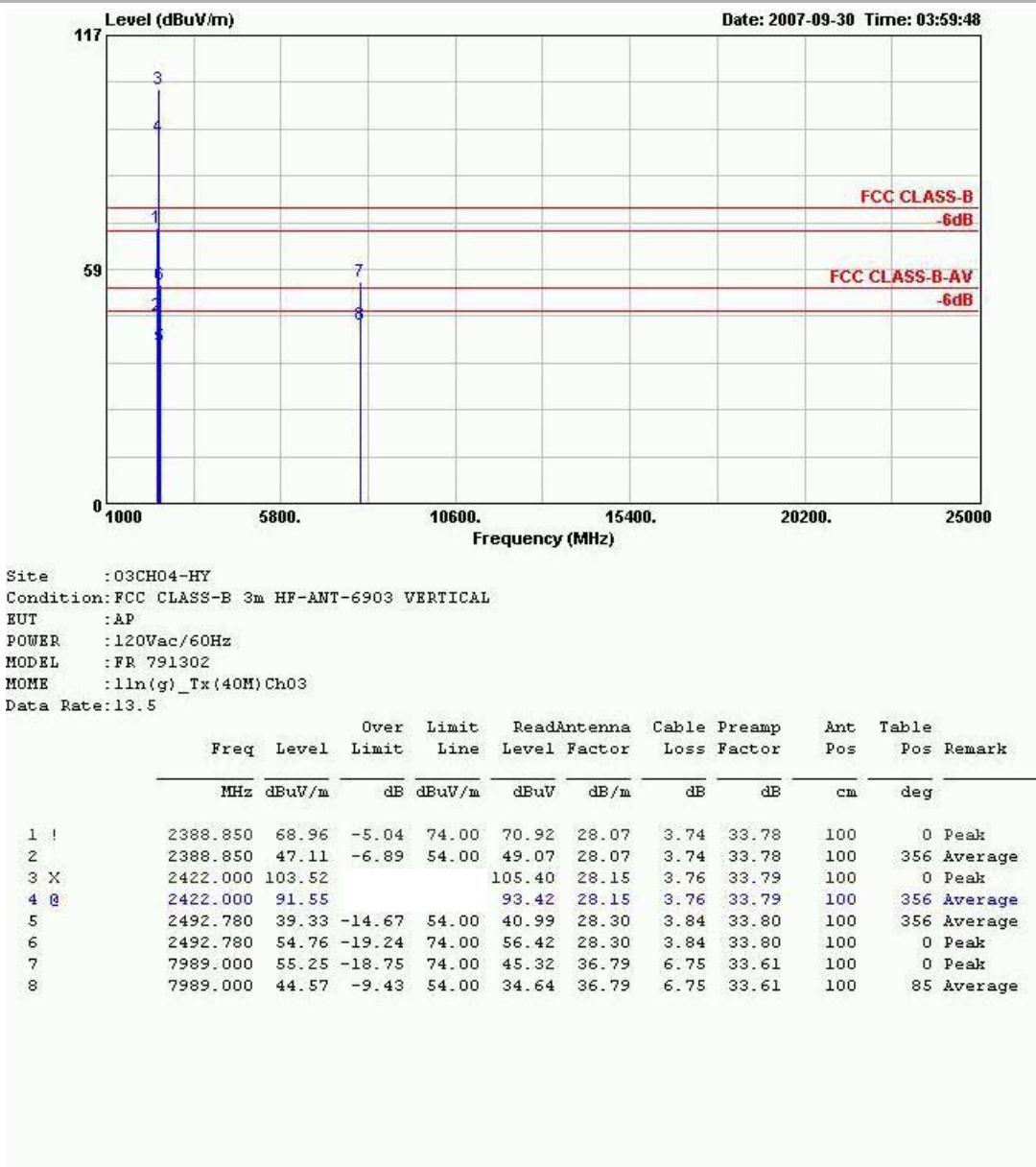
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CHO4-HY
Condition: FCC CLASS-B 3m ANT2724 VERTICAL
EUT : AP
POWER : 120Vac/60Hz
MODEL : FR 791302
MOME : 1ln(g) Tx(40M)Ch03
Data Rate:13.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		MHz	dBuV/m	dB	Line	Level	Factor	Loss	Factor	
1	32.970	35.73	-4.27	40.00	45.17	16.33	0.90	26.66	100	196 Peak
2	124.770	29.79	-13.71	43.50	42.75	11.90	1.51	26.37	---	--- Peak
3	250.050	36.93	-9.07	46.00	48.22	12.57	2.05	25.91	---	--- Peak
4	500.200	25.61	-20.39	46.00	32.97	16.91	2.81	27.08	---	--- Peak
5	624.100	34.00	-12.00	46.00	37.82	19.96	3.26	27.04	---	--- Peak
6	875.400	39.46	-6.54	46.00	39.59	22.62	3.92	26.67	---	--- Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

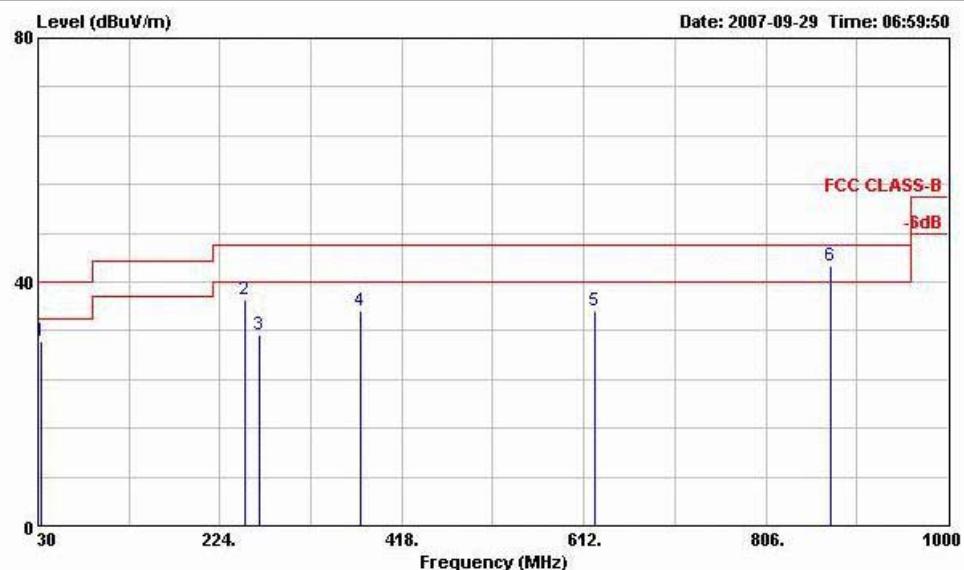
Remark:

1. "3" represents the Fundamental Signal
2. "4" represents the Fundamental Signal



Test Mode : Mode 21

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

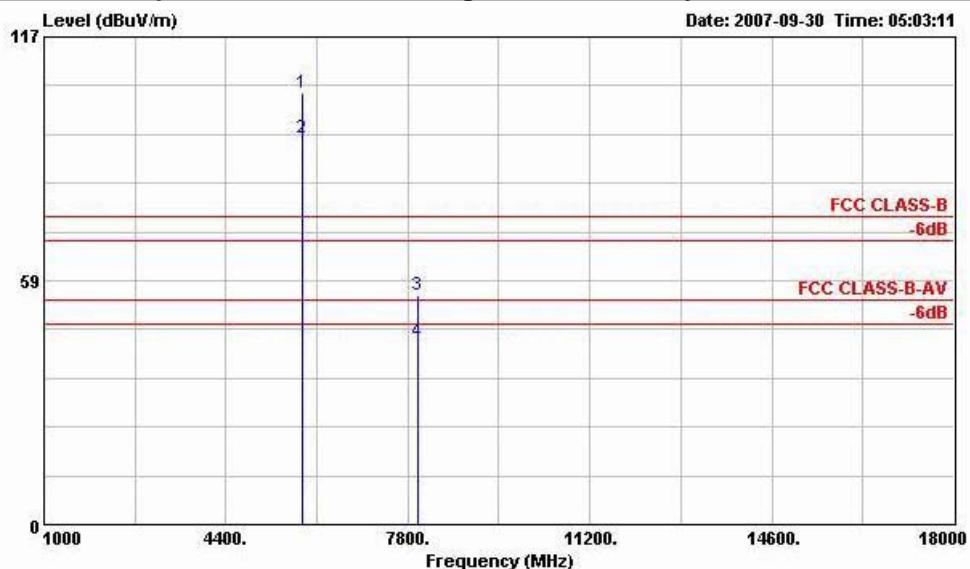
MOME : 11n(a)_Tx(20M)Ch165

Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	33.780	30.16	-9.84	40.00	39.60	16.31	0.91	26.66	---	---	Peak
2	250.050	37.02	-8.98	46.00	48.31	12.57	2.05	25.91	---	---	Peak
3	266.250	31.32	-14.68	46.00	42.58	12.48	2.11	25.85	---	---	Peak
4	374.200	35.18	-10.82	46.00	44.05	14.88	2.49	26.24	---	---	Peak
5	624.100	35.25	-10.75	46.00	39.07	19.96	3.26	27.04	---	---	Peak
6	875.400	42.59	-3.41	46.00	42.72	22.62	3.92	26.67	100	304	Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch165
 Data Rate: 6.5

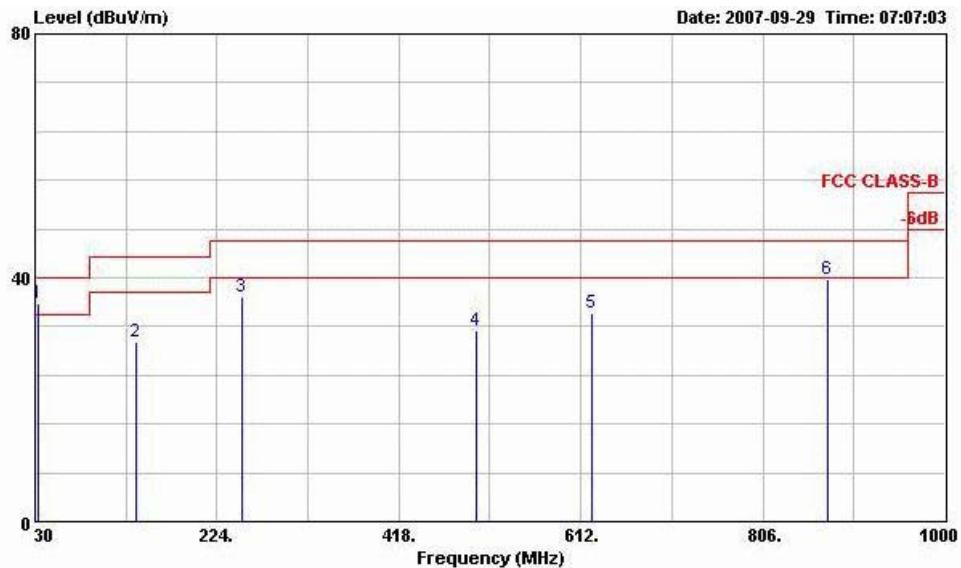
Freq	Level	Over Limit		ReadAntenna Line	Cable Factor	Preamp Loss	Ant Factor	Table Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	
1 X	5822.000	103.52		97.54	34.00	6.02	34.04	100	0	Peak
2 X	5825.000	92.59		86.61	34.00	6.02	34.04	100	28	Average
3	8000.000	55.10	-18.90	74.00	45.14	36.80	6.76	33.60	100	0 Peak
4	8000.000	43.87	-10.13	54.00	33.91	36.80	6.76	33.60	100	124 Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

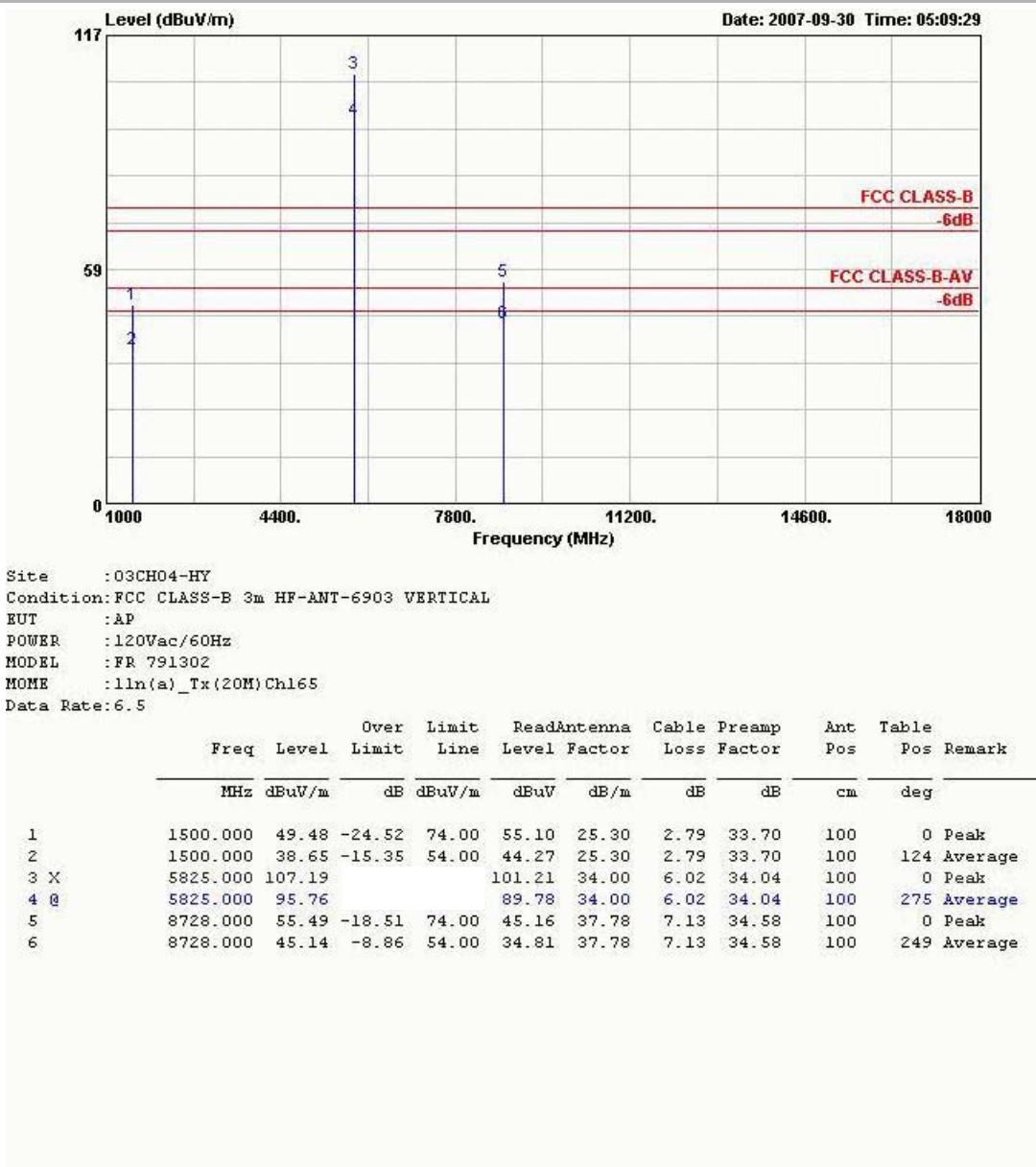
The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a) Tx(20M)Ch165
 Data Rate: 6.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table
		Line	Limit	Antenna	Level	Factor	Loss	Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	32.970	35.71	-4.29	40.00	45.15	16.33	0.90	26.66	100 189 Peak
2	137.730	29.47	-14.03	43.50	43.42	10.76	1.61	26.32	--- --- Peak
3	250.050	36.79	-9.21	46.00	48.08	12.57	2.05	25.91	--- --- Peak
4	500.200	31.31	-14.69	46.00	38.67	16.91	2.81	27.08	--- --- Peak
5	624.100	34.26	-11.74	46.00	38.08	19.96	3.26	27.04	--- --- Peak
6	875.400	39.65	-6.35	46.00	39.78	22.62	3.92	26.67	--- --- Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

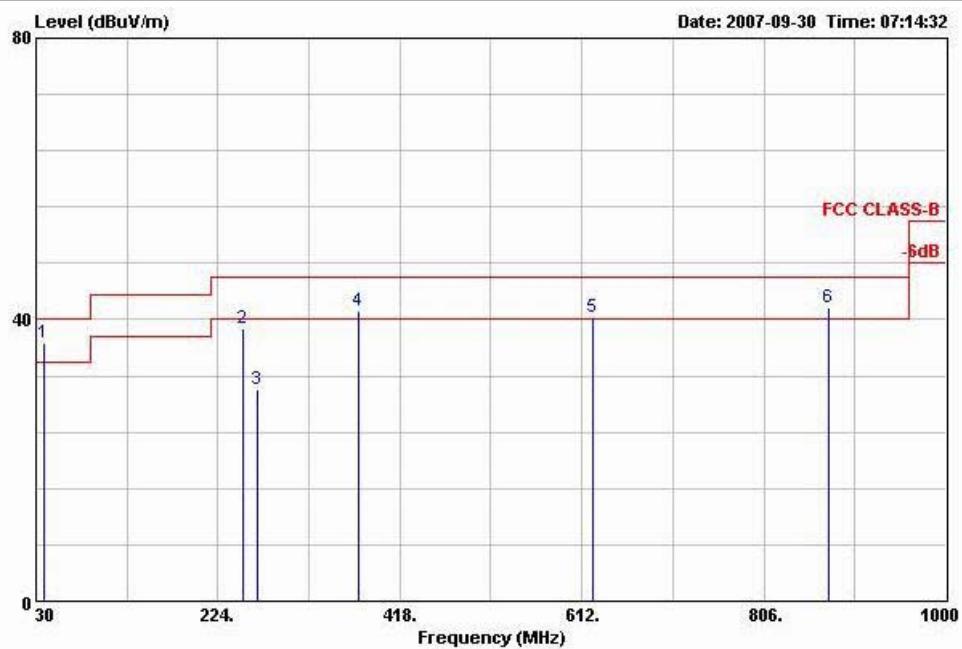
Remark:

1. "3" represents the Fundamental Signal
2. "4" represents the Fundamental Signal



Test Mode : Mode 22

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

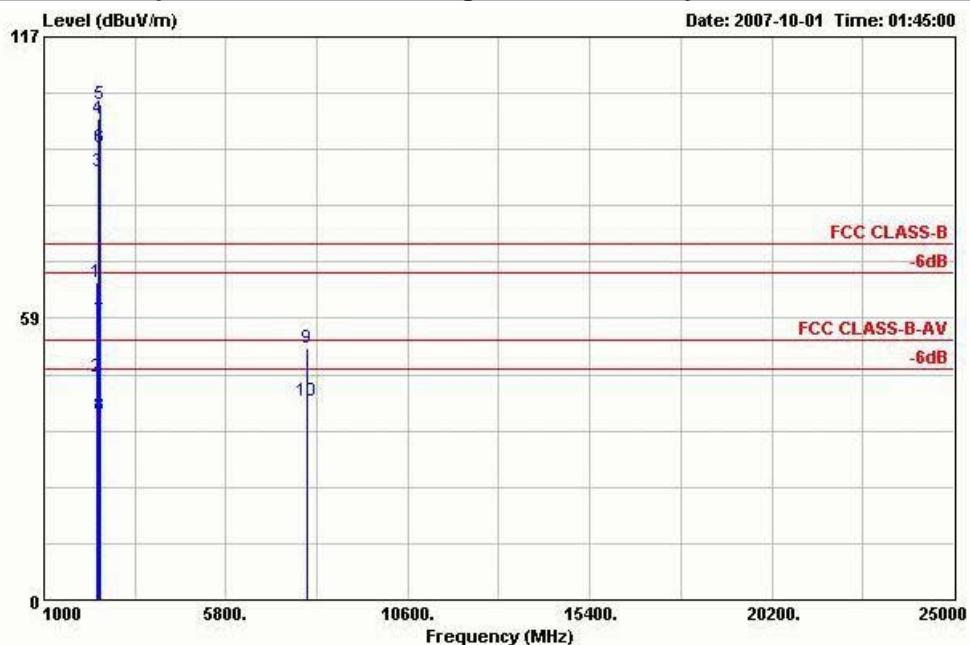
MOME : 11n(g)_Tx(20M)Ch11+11n(g)_Tx(40M)Ch03

Data Rate: Ch11: 6.5 Ch03: 13.5

Freq	Level	Over Limit		ReadAntenna Level	Cable Factor	Preamp Factor	Ant Table		Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1 !	38.370	36.63	-3.37	40.00	49.61	12.71	0.95	26.64	100	245	Peak
2	250.050	38.85	-7.15	46.00	50.14	12.57	2.05	25.91	---	---	Peak
3	266.250	30.07	-15.93	46.00	41.33	12.48	2.11	25.85	---	---	Peak
4 !	374.200	41.28	-4.72	46.00	50.15	14.88	2.49	26.24	---	---	Peak
5 !	624.100	40.42	-5.58	46.00	44.24	19.96	3.26	27.04	---	---	Peak
6 !	875.400	41.80	-4.20	46.00	41.93	22.62	3.92	26.67	---	---	Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(g)_Tx(20M)Ch1+lln(g)_Tx(40M)Ch03
 Data Rate: Ch1:6.5 Ch03:13.5

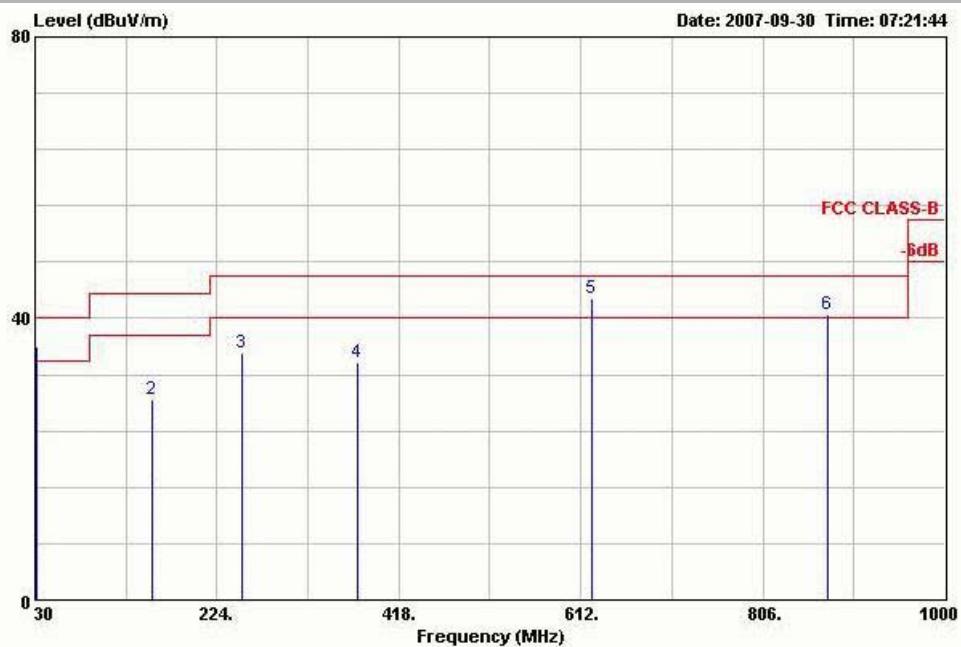
Freq	Level	Over Limit	Limit Line	ReadAntenna		Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
				MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	deg
1	2387.330	66.06	-7.94	74.00	68.02	28.07	3.74	33.78	100	0 Peak
2	2387.330	46.41	-7.59	54.00	48.37	28.07	3.74	33.78	100	66 Average
3 X	2422.000	88.88			90.75	28.15	3.76	33.79	100	66 Average
4 X	2422.000	100.10			102.01	28.11	3.76	33.78	100	0 Peak
5 X	2462.000	103.10			104.85	28.22	3.81	33.79	100	0 Peak
6 X	2462.000	94.00			95.75	28.22	3.81	33.79	100	105 Average
7	2483.850	58.08	-15.92	74.00	59.78	28.26	3.84	33.80	100	0 Peak
8	2483.850	38.47	-15.53	54.00	40.17	28.26	3.84	33.80	100	105 Average
9	7950.000	52.43	-21.57	74.00	42.55	36.76	6.74	33.62	100	0 Peak
10	7950.000	41.45	-12.55	54.00	31.57	36.76	6.74	33.62	100	243 Average

Remark:

1. "3" represents the Fundamental Signal
2. "4" represents the Fundamental Signal
3. "5" represents the Fundamental Signal
4. "6" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

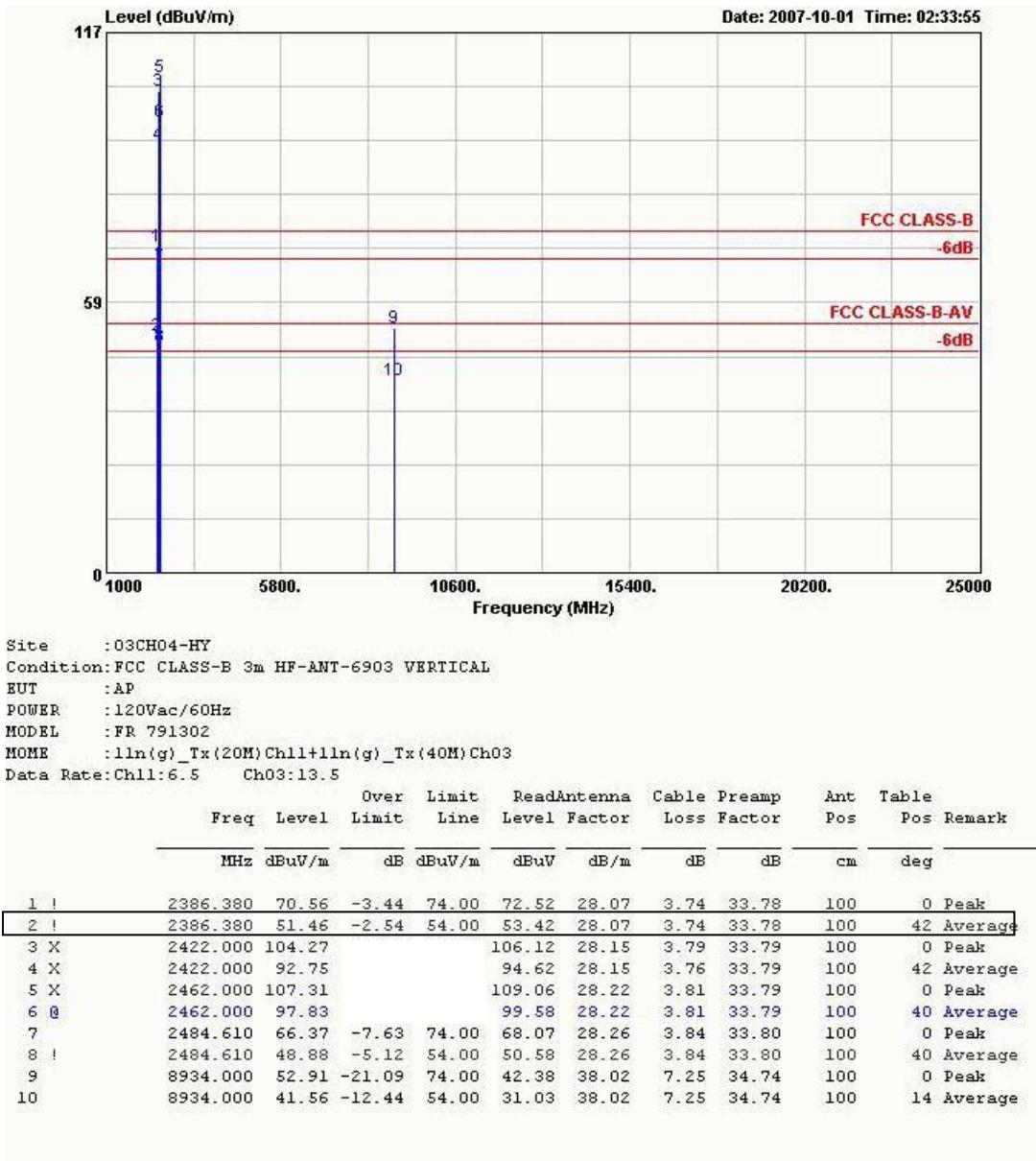
Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 HOME : lln(g)_Tx(20M)Ch1+lln(g)_Tx(40M)Ch03
 Data Rate: Ch1:6.5 Ch03:13.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 !	31.890	35.92	-4.08	40.00	45.35	16.34	0.89	26.66	100	247	QP
2	155.010	28.57	-14.93	43.50	43.17	9.99	1.67	26.26	---	---	Peak
3	250.050	35.13	-10.87	46.00	46.42	12.57	2.05	25.91	---	---	Peak
4	374.200	33.77	-12.23	46.00	42.64	14.88	2.49	26.24	---	---	Peak
5 !	624.100	42.84	-3.16	46.00	46.66	19.96	3.26	27.04	100	78	Peak
6 !	875.400	40.47	-5.53	46.00	40.60	22.62	3.92	26.67	---	---	Peak



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.



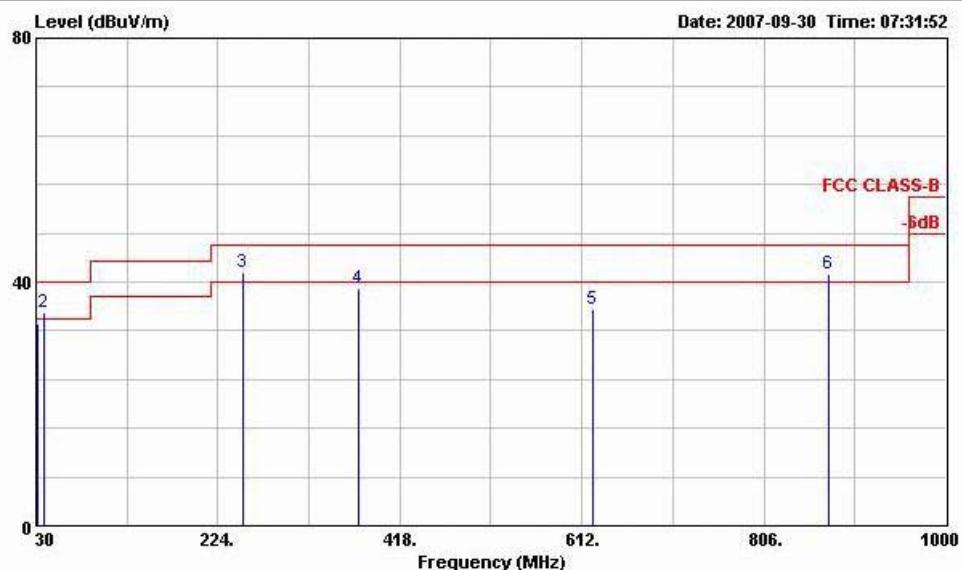
Remark:

1. “3” represents the Fundamental Signal
2. “4” represents the Fundamental Signal



Test Mode : Mode 23

Polarization : Horizontal (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

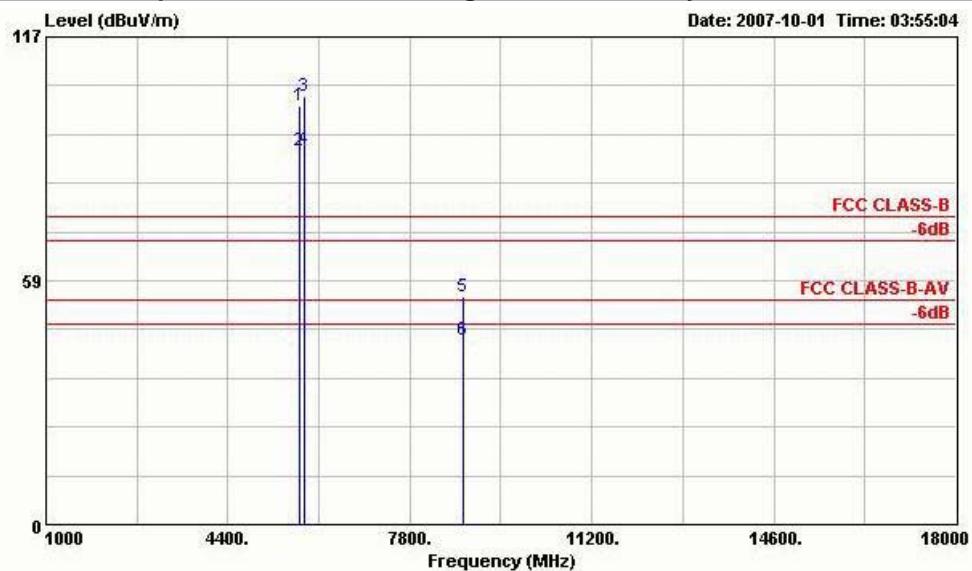
MOME : 11n(a)_Tx(20M)Ch149+11n(a)_Tx(20M)Ch165

Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna	Cable	Preamp	Ant	Table	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	31.890	33.09	-6.91	40.00	42.52	16.34	0.89	26.66	---	---	Peak
2 !	39.180	34.88	-5.12	40.00	47.85	12.71	0.96	26.64	---	---	Peak
3 !	250.050	41.57	-4.43	46.00	52.86	12.57	2.05	25.91	100	189	Peak
4	374.200	38.82	-7.18	46.00	47.69	14.88	2.49	26.24	---	---	Peak
5	624.100	35.47	-10.53	46.00	39.29	19.96	3.26	27.04	---	---	Peak
6 !	875.400	41.41	-4.59	46.00	41.54	22.62	3.92	26.67	---	---	Peak



Polarization : Horizontal (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : AP
 POWER : 120Vac/60Hz
 MODEL : FR 791302
 MOME : 1ln(a)-Tx(20M)Ch149+1ln(a)-Tx(20M)Ch165
 Data Rate: 6.5

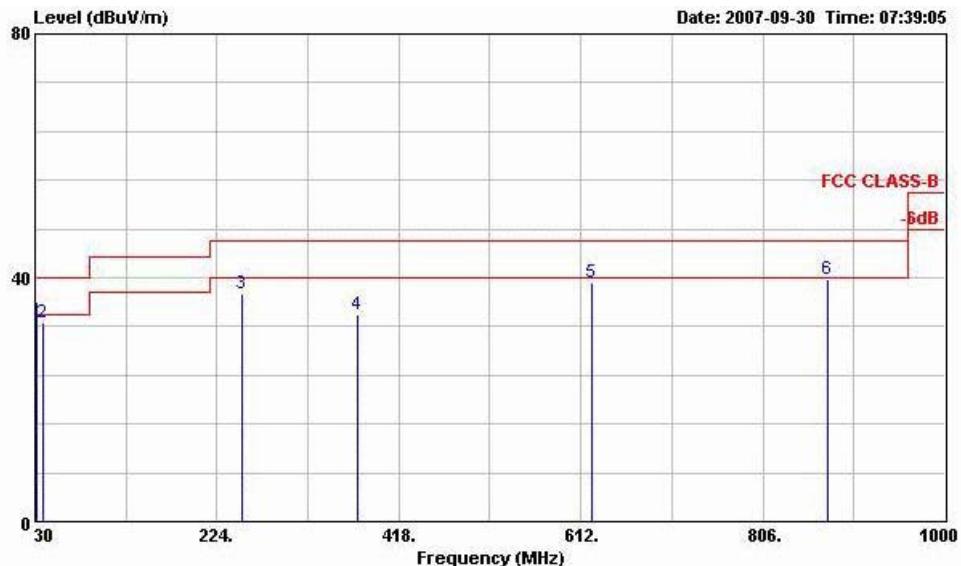
Freq	Level	Over Limit		ReadAntenna Line	Cable Factor	Preamp Loss	Ant Factor	Table Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg
1 X	5745.000	100.40			94.48	33.94	6.02	34.05	100	0 Peak
2 X	5745.000	89.54			83.62	33.94	6.02	34.05	100	39 Average
3 X	5825.000	102.95			96.97	34.00	6.02	34.04	100	0 Peak
4 X	5825.000	90.23			84.25	34.00	6.02	34.04	100	45 Average
5	8788.000	54.52	-19.48	74.00	44.14	37.84	7.16	34.62	100	0 Peak
6	8788.000	44.12	-9.88	54.00	33.74	37.84	7.16	34.62	100	54 Average

Remark:

1. "1" represents the Fundamental Signal
2. "2" represents the Fundamental Signal
3. "3" represents the Fundamental Signal
4. "4" represents the Fundamental Signal



Polarization : Vertical (30MHz-1GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CHO4-HY

Condition: FCC CLASS-B 3m ANT2724 VERTICAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

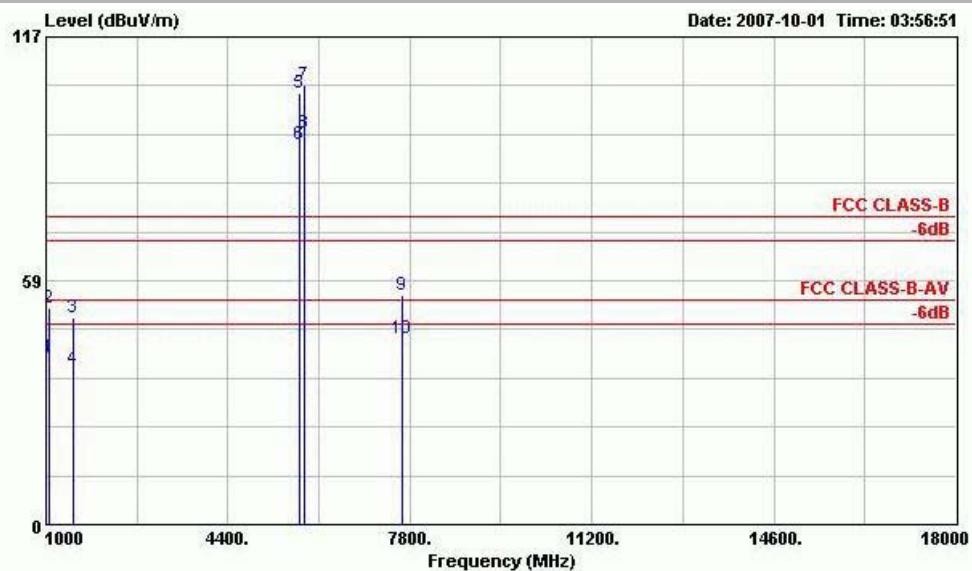
MOME : 1ln(a)-Tx(20M)Ch149+1ln(a)-Tx(20M)Ch165

Data Rate: 6.5

Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table			
		MHz	dBuV/m	dB	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	36.16	-3.84	40.00	45.59	16.34	0.89	26.66	100	73	QP	
2	38.370	32.73	-7.27	40.00	45.71	12.71	0.95	26.64	---	---	Peak	
3	250.050	37.36	-8.64	46.00	48.65	12.57	2.05	25.91	---	---	Peak	
4	374.200	33.83	-12.17	46.00	42.70	14.88	2.49	26.24	---	---	Peak	
5	624.100	39.34	-6.66	46.00	43.16	19.96	3.26	27.04	---	---	Peak	
6	875.400	39.68	-6.32	46.00	39.81	22.62	3.92	26.67	---	---	Peak	



Polarization : Vertical (1GHz-25GHz)

The test that passed at minimum margin was marked by the boldface in the following table.

Site : 03CH04-HY

Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL

EUT : AP

POWER : 120Vac/60Hz

MODEL : FR 791302

MOME : 1ln(a) Tx(20M)Ch149+1ln(a) Tx(20M)Ch165

Data Rate: 6.5

Freq	Level	Over Limit		ReadAntenna Line	Cable Factor	Preamp	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg
1	1068.000	40.14	-13.86	54.00	47.95	24.18	2.31	34.30	100 72 Average
2	1068.000	51.82	-22.18	74.00	59.63	24.18	2.31	34.30	100 0 Peak
3	1500.000	49.49	-24.51	74.00	55.11	25.30	2.79	33.70	100 0 Peak
4	1500.000	37.45	-16.55	54.00	43.07	25.30	2.79	33.70	100 76 Average
5 X	5745.000	103.55			97.63	33.94	6.02	34.05	100 0 Peak
6 X	5745.000	91.20			85.28	33.94	6.02	34.05	100 328 Average
7 X	5825.000	105.42			99.44	34.00	6.02	34.04	100 0 Peak
8 @	5825.000	93.87			87.89	34.00	6.02	34.04	100 343 Average
9	7658.000	55.20	-18.80	74.00	45.79	36.53	6.62	33.74	100 0 Peak
10	7658.000	44.54	-9.46	54.00	35.13	36.53	6.62	33.74	100 214 Average

Remark:

1. "5" represents the Fundamental Signal
2. "6" represents the Fundamental Signal
3. "7" represents the Fundamental Signal
4. "8" represents the Fundamental Signal



5.8 Antenna Requirements

5.8.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.8.2 Antenna Connected Construction

The antenna type used in this product is dipole for WLAN. The connector is reverse SMA on antenna port and it is considered to meet antenna requirement of FCC.

5.8.3 Antenna Gain

The antenna gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



6. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100359	9kHz – 2.75GHz	Mar. 01, 2007	Feb. 29, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2007	Mar. 30, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2007	Mar. 21, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2007	Apr. 19, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz – 30MHz	Mar. 09, 2007	Mar. 08, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH04-HY	30 MHz - 1 GHz 3m	Oct. 30, 2006	Oct. 29, 2007	Radiation (03CH04-HY)
Amplifier	Schaffner	CPA9231A	3564	9 kHz - 2 GHz	Aug.31, 2007	Aug.30, 2008	Radiation (03CH04-HY)
Amplifier	Agilent	8449B	3008A01917	1~26.5GHz	Nov. 15, 2007	Nov. 14, 2007	Radiation (03CH04-HY)
Spectrum Analyzer	R&S	FSP40	100055	9KHz~40GHz	June. 25, 2006	June. 24, 2008	Radiation (03CH04-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2724	30 MHz - 1 GHz	Aug. 13, 2007	Aug. 12, 2008	Radiation (03CH04-HY)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	9170-249	14G~40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH04-HY)
Turn Table	HD	Deis HD 2000	420/610	0 - 360 degree	N/A	N/A	Radiation (03CH04-HY)
Antenna Mast	Chaintek	3000	N/A	1 m - 4 m	N/A	N/A	Radiation (03CH04-HY)



7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
combined standard uncertainty $U_c(y)$	1.13		
Measuring uncertainty for a level of confidence of 95% $U=2U_c(y)$	2.26		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.41	Normal(k=2)	0.21
Antenna factor calibration	0.83	Normal(k=2)	0.42
Cable loss calibration	0.25	Normal(k=2)	0.13
Pre Amplifier Gain calibration	0.27	Normal(k=2)	0.14
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.43	Rectangular	0.83
Mismatch	+0.39/-0.41	U-shaped	0.28
combined standard uncertainty $U_c(y)$	1.27		
Measuring uncertainty for a level of confidence of 95% $U=2U_c(y)$	2.54		

**Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)**

Contribution	Uncertainty of x_i		$u(x_i)$	Ci	$Ci * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma 1 = 0.197$ Antenna VSWR $\Gamma 2 = 0.194$ Uncertainty=20log(1- $\Gamma 1 * \Gamma 2 * \Gamma 3$)	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty $U_c(y)$	2.36				
Measuring uncertainty for a level of confidence of 95% $U=2U_c(y)$	4.72				