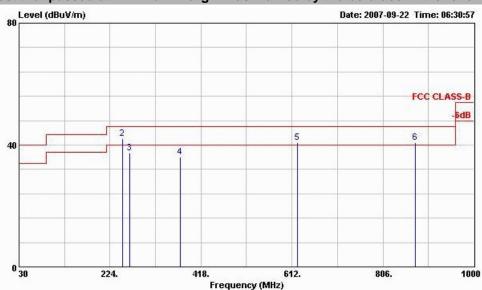
Test Mode: Mode 15

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

			0ver			Antenna		Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	-
1	30.810	32.44	-7.56	40.00	41.87	16.36	0.88	26.67			Peak
2 !	250.050	42.05	-3.95	46.00	53.34	12.57	2.05	25.91	100	15	Peak
3	266.250	37.32	-8.68	46.00	48.58	12.48	2.11	25.85			Peak
4	374.200	35.99	-10.01	46.00	44.86	14.88	2.49	26.24			Peak
5 !	624.100	40.76	-5.24	46.00	44.58	19.96	3.26	27.04			Peak
6 !	875.400	40.88	-5.12	46.00	41.01	22.62	3.92	26.67			Peak

 SPORTON International Inc.
 Page No.
 : 138 of 180

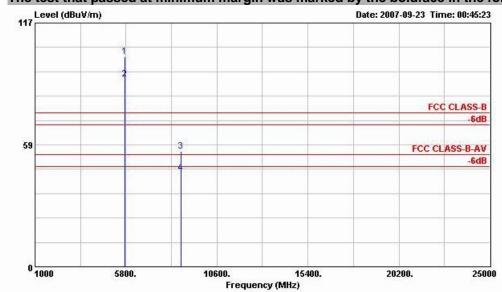
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Horizontal (1GHz-25GHz)

FCC TEST REPORT Report No. : FR791302A

■ 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 : Al

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 6.5

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	<u>dB</u> -	cw.	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

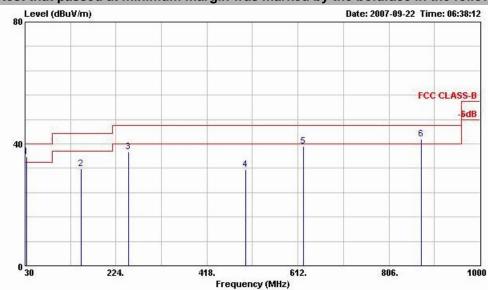
 SPORTON International Inc.
 Page No.
 : 139 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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 : AI

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 6.5

	Freq	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
Ť	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	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	

 SPORTON International Inc.
 Page No.
 : 140 of 180

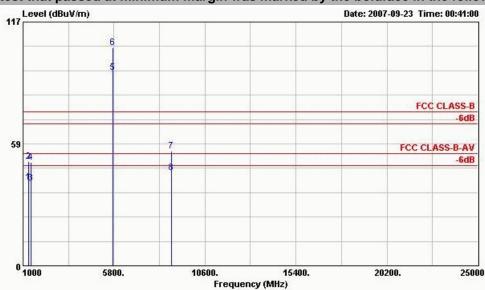
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

FAX : 886-2-2696-2255 Report Version FCC ID : RE7-AP300

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 : AI

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 6.5

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB		cm_	deg	***************************************
1	1310.000	40.12	-13.88	54.00	46.72	24.81	2.57	33.98	100	332	Average
2	1310.000	50.14	-23.86	74.00	56.74	24.81	2.57	33.98	100	0	Peak
3 4	1406.000	39.52	-14.48	54.00	45.60	25.08	2.68	33.84	100	223	Average
4	1406.000	49.62	-24.38	74.00	55.70	25.08	2.68	33.84	100	0	Peak
5 @	5745.000	92.57			86.65	33.94	6.02	34.05	100	335	Average
6 X	5745.000	104.69			98.77	33.94	6.02	34.05	100	0	Peak
7	8828.000	55.14	-18.86	74.00	44.74	37.88	7.18	34.66	100	0	Peak
8	8828.000	44.47	-9.53	54.00	34.07	37.88	7.18	34.66	100	268	Average

Remark:

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

 SPORTON International Inc.
 Page No.
 : 141 of 180

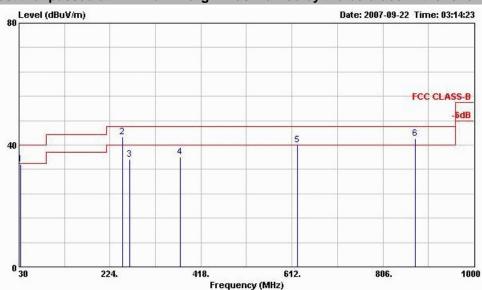
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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) Ty (2)

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

Data Rate: 6.5

				0ver	Limit	ReadA	Intenna	Cable	Preamp	Ant	Table	
		Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
		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
3 4 5		374.200	36.14	-9.86	46.00	45.01	14.88	2.49	26.24			Peak
5	1	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

 SPORTON International Inc.
 Page No.
 : 142 of 180

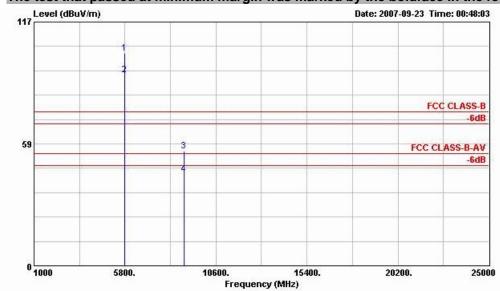
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

FAX: 886-2-2696-2255 FCC ID: RE7-AP300 Polarization: Horizontal (1GHz-25GHz)

FCC TEST REPORT Report No. : FR791302A

■ 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 : AF

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 6.5

	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	- 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

 SPORTON International Inc.
 Page No.
 : 143 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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 : AI

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 6.5

			Level	Over Limit	Limit Line		Antenna Factor			Ant Pos	Table Pos	Remark
,			dBuV/m	dB	dBuV/m	dBuV	dB/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 3	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	

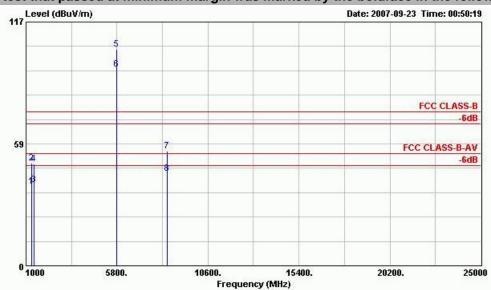
 SPORTON International Inc.
 Page No.
 : 144 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

FAX : 886-2-2696-2255 Report Version : Rev.02 FCC ID : RE7-AP300

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

POWER :120Vac/60Hz MODEL :FR 791302

MOME :lln(a)_Tx(20M)Ch157

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table 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:

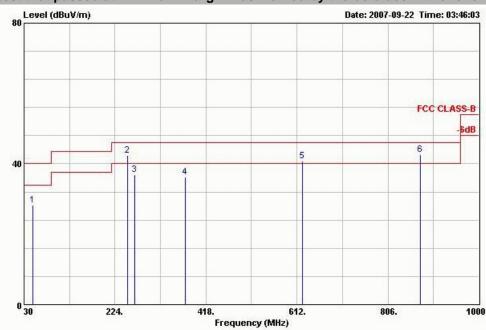
- 1. "5" represents the Fundamental Signal
- "6" represents the Fundamental Signal 2.

SPORTON International Inc. Page No. : 145 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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

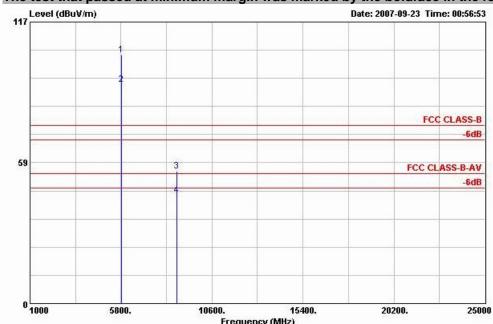
		Freq	Level	Over Limit	Limit Line		Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	ļ-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB		CIM	deg	-
1 2 3 4		48.900	28.19	-11.81	40.00	45.75	8.03	1.02	26.61			Peak
2	1	250.050	42.28	-3.72	46.00	53.57	12.57	2.05	25.91			Peak
3		266.250	36.81	-9.19	46.00	48.07	12.48	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	9	875.400	42.72	-3.28	46.00	42.85	22.62	3.92	26.67	100	255	Peak

SPORTON International Inc. Page No. : 146 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

Polarization: Horizontal (1GHz-25GHz)

FCC TEST REPORT Report No. : FR791302A

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

Data Rate:6.5

	Freq	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table	Remark
	rred	rever	птштс	TIME	rever	raccor	1055	Faccor	PUS	POS	кешагк	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	CIV.	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

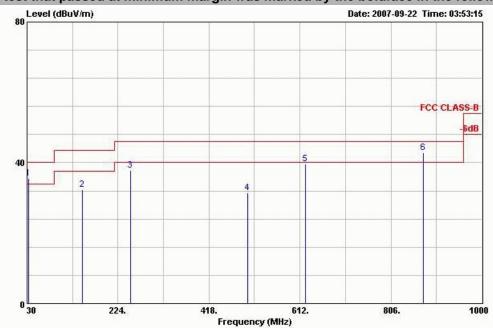
 SPORTON International Inc.
 Page No.
 : 147 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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

Data Rate:6.5

		Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
i ,		dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	CIV.	deg		
1 !	32.970	35.52	-4.48	40.00	44.96	16.33	0.90	26.66	100	19	QP	
2	148.530 250.050	32.47	-11.03	43.50	46.36	10.74	1.66	26.28			Peak	
3		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	

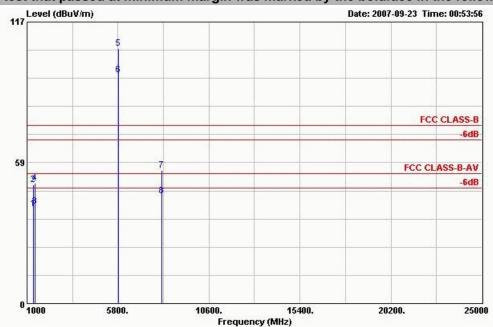
 SPORTON International Inc.
 Page No.
 : 148 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

FAX : 886-2-2696-2255 Report Version : Rev.02 FCC ID : RE7-AP300

Polarization: Vertical (1GHz-25GHz)

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



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

EUT : AP

POWER :120Vac/60Hz :FR 791302

MOME :1ln(a)_Tx(20M)Ch165 Data Rate:6.5

	Freq	Level	Over Limit	Limit Line		Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm.	deg	-
1	1326.000	39.42	-14.58	54.00	45.91	24.85	2.60	33.95	100	224	Average
2	1326.000	49.42	-24.58	74.00	55.91	24.85	2.60	33.95	100	0	Peak
3 4	1430.000	40.17	-13.83	54.00	46.15	25.12	2.71	33.81	100	224	Average
4	1430.000	50.08	-23.92	74.00	56.06	25.12	2.71	33.81	100	0	Peak
5 X	5825.000	106.13			100.15	34.00	6.02	34.04	100	0	Peak
6 @	5825.000	94.98			89.00	34.00	6.02	34.04	100	304	Average
7	8094.000	55.45	-18.55	74.00	45.45	36.92	6.81	33.73	100	0	Peak
8	8094.000	44.83	-9.17	54.00	34.83	36.92	6.81	33.73	100	255	Average

Remark:

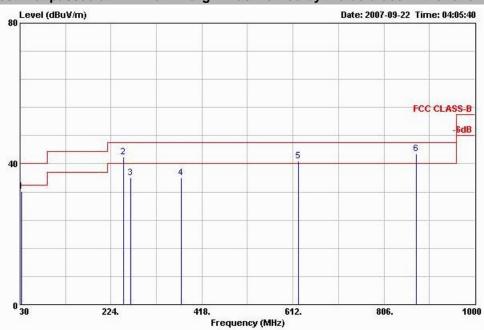
- "5" represents the Fundamental Signal 1.
- "6" represents the Fundamental Signal 2.

SPORTON International Inc. Page No. : 149 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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

:120Vac/60Hz POWER

MODEL :FR 791302 MOME :11n(a)_Tx(40M)Ch151

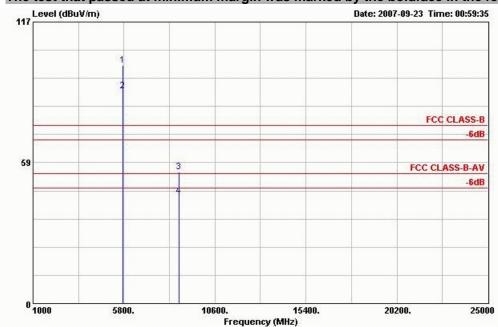
Data Rate: 13.5

			0ver	Limit	Readi	intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	deg	
1	32.970	32.18	-7.82	40.00	41.62	16.33	0.90	26.66			Peak
2 ! 3	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
1	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
5 !	875.400	42.93	-3.07	46.00	43.06	22.62	3.92	26.67	100	289	Peak

SPORTON International Inc. Page No. : 150 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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

Data Rate:13.5

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	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

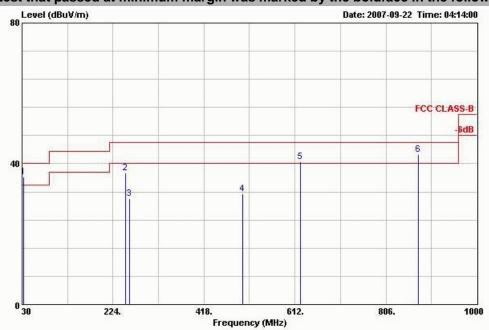
 SPORTON International Inc.
 Page No.
 : 151 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Vertical (30MHz-1GHz)

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



:03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 VERTICAL

EUT : AP

POWER :120Vac/60Hz MODEL :FR 791302

MOME : 11n(a)_Tx(40M)Ch151 Data Rate: 13.5

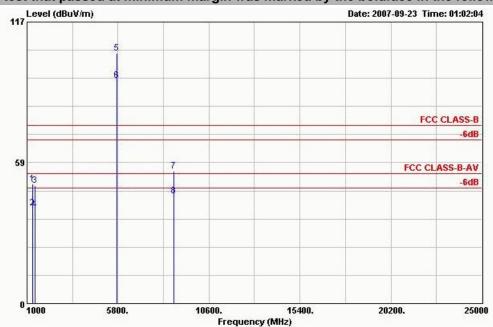
	Freq	Level	Over Limit			Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	deg	-
1 !	32.970	36.30	-3.70	40.00	45.74	16.33	0.90	26.66	100	70	QP
2 3 4	250.050	37.39	-8.61	46.00	48.68	12.57	2.05	25.91			Peak
3	258.690	30.02	-15.98	46.00	41.29	12.52	2.08	25.88			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

SPORTON International Inc. Page No. : 152 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007

FAX: 886-2-2696-2255 Report Version : Rev.02 FCC ID: RE7-AP300

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

Data Rate:13.5

	Freq	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB		GIV.	deg	-	
1	1310.000	49.78	-24.22	74.00	56.38	24.81	2.57	33.98	100	0	Peak	
2	1310.000	39.71	-14.29	54.00	46.31	24.81	2.57	33.98	100	219	Average	
3	1414.000	49.13	-24.87	74.00	55.21	25.08	2.68	33.84	100	0	Peak	
4	1414.000	39.13	-14.87	54.00	45.21	25.08	2.68	33.84	100	219	Average	
5 X	5755.000	103.92			97.99	33.96	6.02	34.05	100	0	Peak	
6 @	5755.000	92.76			86.83	33.96	6.02	34.05	100	317	Average	
7	8748.000	54.89	-19.11	74.00	44.54	37.80	7.15	34.60	100	0	Peak	
8	8748.000	44.54	-9.46	54.00	34.19	37.80	7.15	34.60	100	265	Average	

Remark:

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

 SPORTON International Inc.
 Page No.
 : 153 of 180

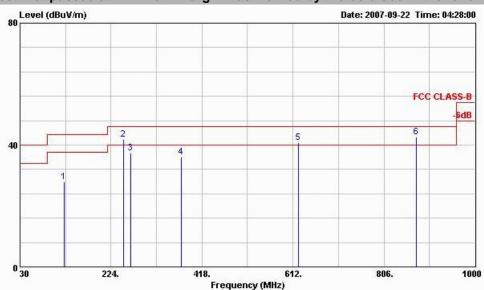
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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

			0ver	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	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			Peak
2 !	250.050	41.79	-4.21	46.00	53.08	12.57	2.05	25.91			Peak
3	266.250	37.36	-8.64	46.00	48.62	12.48	2.11	25.85			Peak
4	374.200	36.13	-9.87	46.00	45.00	14.88	2.49	26.24			Peak
5 !	624.100	40.78	-5.22	46.00	44.60	19.96	3.26	27.04			Peak
6 !	875.400	42.69	-3.31	46.00	42.82	22.62	3.92	26.67	100	289	Peak

 SPORTON International Inc.
 Page No.
 : 154 of 180

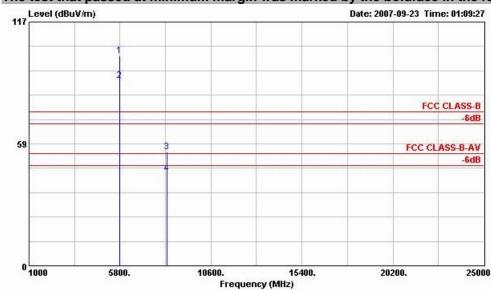
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization : Horizontal (1GHz-25GHz)

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

Report No.: FR791302A



Site :03CH04-HY

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

EUT : Al

POWER :120Vac/60Hz MODEL :FR 791302

MOME : lln(a)_Tx(40M)Chl59

Data Rate:13.5

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table 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

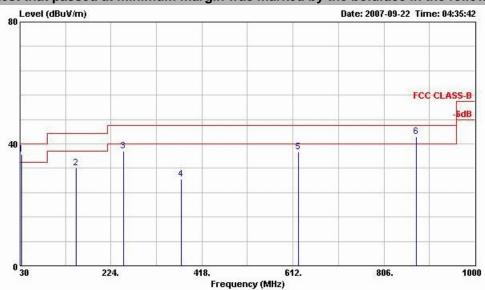
 SPORTON International Inc.
 Page No.
 : 155 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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 : AI

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate:13.5

	9 <u>44</u> 080003		0ver	Limit	ReadA	intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
ħ	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm 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

 SPORTON International Inc.
 Page No.
 : 156 of 180

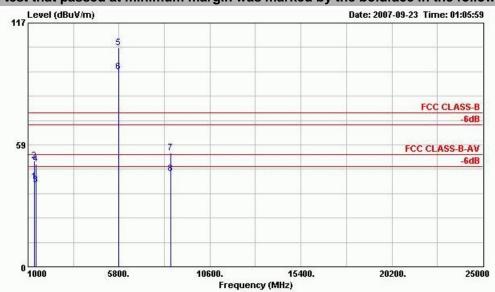
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Vertical (1GHz-25GHz)

Report No.: FR791302A

■ 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

POWER :120Vac/60Hz MODEL :FR 791302

MOME :lln(a)_Tx(40M)Ch159

			0ver	Limit		Antenna		Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	deg	-
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:

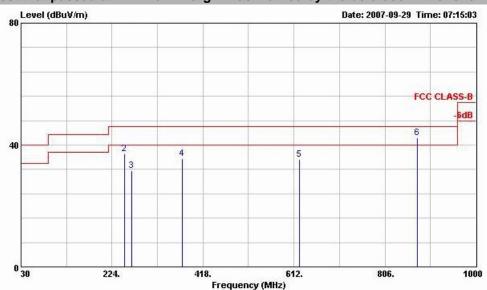
- "5" represents the Fundamental Signal 1.
- "6" represents the Fundamental Signal 2.

SPORTON International Inc. Page No. : 157 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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(a) Tv(4)

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

Data Rate: 13.5

			0ver	Limit	Readi	Intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	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		then:	Peak
3	266.250	31.46	-14.54	46.00	42.72	12.48	2.11	25.85			Peak
2 3 4 5	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

 SPORTON International Inc.
 Page No.
 : 158 of 180

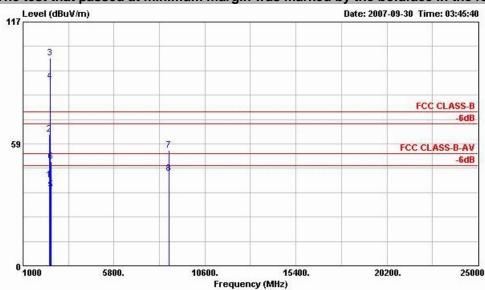
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

FAX : 886-2-2696-2255 Report Version : Rev.02 FCC ID : RE7-AP300

Polarization: Horizontal (1GHz-25GHz)

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

Report No.: FR791302A



Site :03CH04-HY

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

EUT : AF

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 13.5

			0ver	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	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

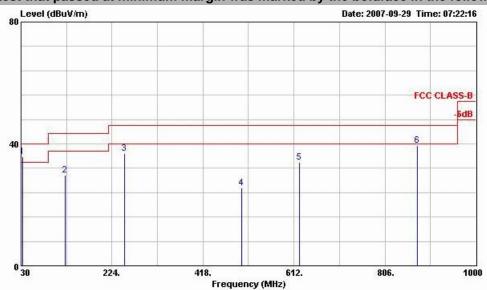
 SPORTON International Inc.
 Page No.
 : 159 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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 : AI

POWER :120Vac/60Hz MODEL :FR 791302

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

Data Rate: 13.5

		MHz	Freq	Level	Over Limit			intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
-				dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
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		

 SPORTON International Inc.
 Page No.
 : 160 of 180

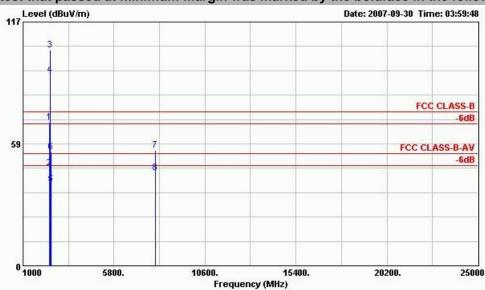
 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Vertical (1GHz-25GHz)

Report No.: FR791302A

■ 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

POWER :120Vac/60Hz MODEL :FR 791302

:lln(g)_Tx(40M)Ch03 MOME

	Freq	Level	Over Limit	Limit Line		Intenna Factor		Preamp Factor	Ant Pos	Table	Remark
	rred	pever	пішіс	nine	pever	FACCUL	1033	raccor	FUS	FUS	Kemark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm.	deg	7
1 !	2388.850	68.96	-5.04	74.00	70.92	28.07	3.74	33.78	100	0	Peak
2	2388.850	47.11	-6.89	54.00	49.07	28.07	3.74	33.78	100	356	Average
3 X	2422.000	103.52			105.40	28.15	3.76	33.79	100	0	Peak
4 @	2422.000	91.55			93.42	28.15	3.76	33.79	100	356	Average
5	2492.780	39.33	-14.67	54.00	40.99	28.30	3.84	33.80	100	356	Average
6	2492.780	54.76	-19.24	74.00	56.42	28.30	3.84	33.80	100	0	Peak
7	7989.000	55.25	-18.75	74.00	45.32	36.79	6.75	33.61	100	0	Peak
8	7989.000	44.57	-9.43	54.00	34.64	36.79	6.75	33.61	100	85	Average

Remark:

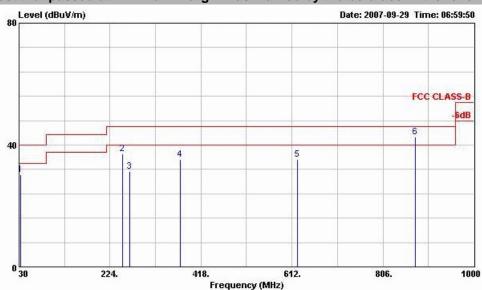
- "3" represents the Fundamental Signal 1.
- "4" represents the Fundamental Signal 2.

SPORTON International Inc. Page No. : 161 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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) Tv/2

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

Data Rate: 6.5

			0ver	Limit	Readi	Intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	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 3	250.050	37.02	-8.98	46.00	48.31	12.57	2.05	25.91		then:	Peak
3	266.250	31.32	-14.68	46.00	42.58	12.48	2.11	25.85			Peak
4 5	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

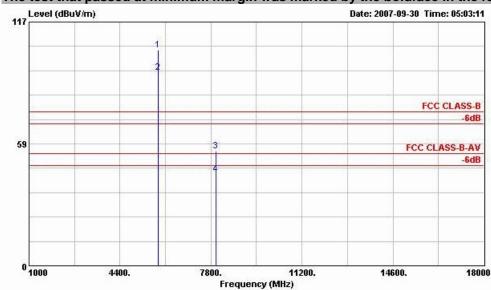
 SPORTON International Inc.
 Page No.
 : 162 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

FAX : 886-2-2696-2255 Report Version : Rev.02 FCC ID : RE7-AP300

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 : Al

POWER :120Vac/60Hz MODEL :FR 791302

MOME : lln(a)_Tx(20M)Chl65

Data Rate: 6.5

			0ver	Limit		Antenna		Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/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

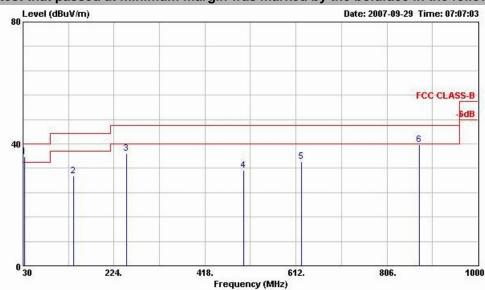
 SPORTON International Inc.
 Page No.
 : 163 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Vertical (30MHz-1GHz)

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



:03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 VERTICAL

POWER :120Vac/60Hz MODEL :FR 791302

MOME :lln(a)_Tx(20M)Chl65 Data Rate:6.5

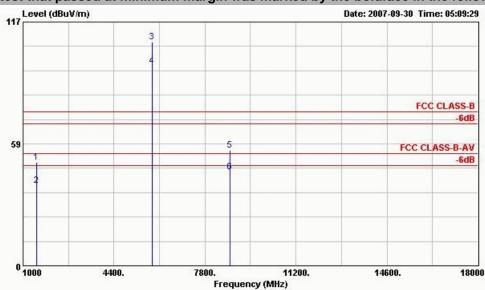
	From	7		0ver	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark	
ř	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	deg	•	
1 !	32.970	35.71	-4.29	40.00	45.15	16.33	0.90	26.66	100	189	Peak	
2	137.730	29.47	-14.03	43.50	43.42	10.76	1.61	26.32			Peak	
3	250.050	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	

SPORTON International Inc. Page No. : 164 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

Polarization: Vertical (1GHz-25GHz)

Report No.: FR791302A

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



:03CH04-HY

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

POWER :120Vac/60Hz MODEL :FR 791302

MOME :lln(a)_Tx(20M)Chl65 Data Rate:6.5

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
				-					1002	1975	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1500.000	49.48	-24.52	74.00	55.10	25.30	2.79	33.70	100	0	Peak
2	1500.000	38.65	-15.35	54.00	44.27	25.30	2.79	33.70	100	124	Average
3 X	5825.000	107.19			101.21	34.00	6.02	34.04	100	0	Peak
4 @	5825.000	95.76			89.78	34.00	6.02	34.04	100	275	Average
5	8728.000	55.49	-18.51	74.00	45.16	37.78	7.13	34.58	100	0	Peak
6	8728.000	45.14	-8.86	54.00	34.81	37.78	7.13	34.58	100	249	Average

Remark:

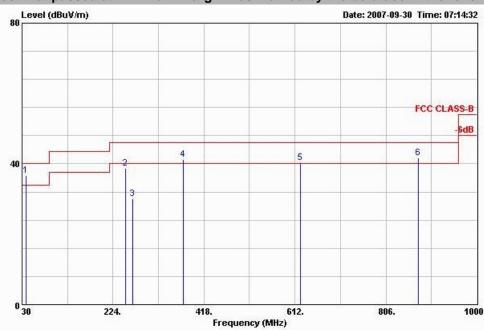
- "3" represents the Fundamental Signal 1.
- "4" represents the Fundamental Signal 2.

SPORTON International Inc. Page No. : 165 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

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

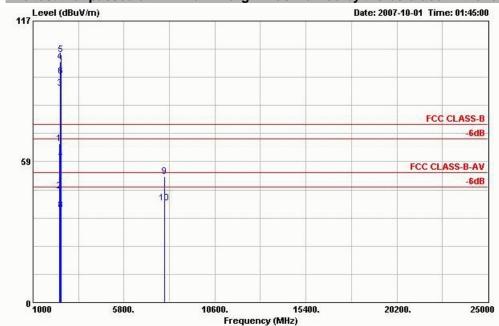
MODEL :FR 791302 MOME :11n(g)_Tx(20M)Ch11+11n(g)_Tx(40M)Ch03 Data Rate:Ch11:6.5 Ch03:13.5

			0ver	Limit	Readi	Intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	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

SPORTON International Inc. Page No. : 166 of 180 Report Issued Date : Oct. 15, 2007 TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Report Version : Rev.02

Polarization: Horizontal (1GHz-25GHz)

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



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

EUT : AP

POWER :120Vac/60Hz MODEL :FR 791302

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	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
7 8 9	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

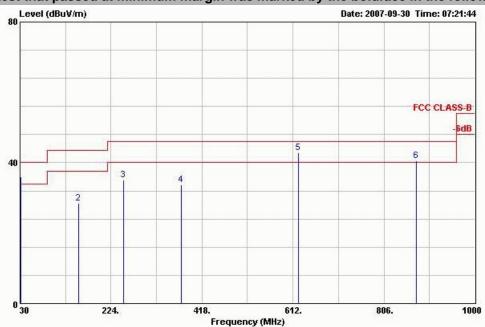
Remark:

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

SPORTON International Inc. Page No. : 167 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

Polarization: Vertical (30MHz-1GHz)

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



:03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 VERTICAL

EUT : AP

POWER :120Vac/60Hz MODEL :FR 791302

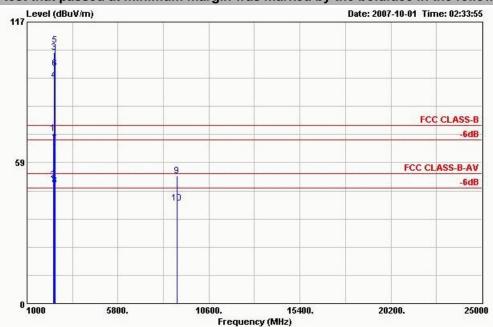
			0ver	Limit				Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	31.890	35.92	-4.08	40.00	45.35	16.34	0.89	26.66	100	247	QP
2 3 4 5 !	155.010	28.57	-14.93	43.50	43.17	9.99	1.67	26.26			Peak
3	250.050	35.13	-10.87	46.00	46.42	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

SPORTON International Inc. Page No. : 168 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007

FAX: 886-2-2696-2255 Report Version : Rev.02 FCC ID: RE7-AP300

Polarization: Vertical (1GHz-25GHz)

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



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

EUT : AP

POWER :120Vac/60Hz :FR 791302

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table	Remark	
		rreq	rever	птштс	nine	pever	FACCUL	1055	Faccor	PUS	PUS	кешагк
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	CM	deg	-
1	1	2386.380	70.56	-3.44	74.00	72.52	28.07	3.74	33.78	100	0	Peak
2	!	2386.380	51.46	-2.54	54.00	53.42	28.07	3.74	33.78	100	42	Average
3	X	2422.000	104.27		A. S.	106.12	28.15	3.79	33.79	100	0	Peak
4	X	2422.000	92.75			94.62	28.15	3.76	33.79	100	42	Average
5	X	2462.000	107.31			109.06	28.22	3.81	33.79	100	0	Peak
6	0	2462.000	97.83			99.58	28.22	3.81	33.79	100	40	Average
7		2484.610	66.37	-7.63	74.00	68.07	28.26	3.84	33.80	100	0	Peak
8	!	2484.610	48.88	-5.12	54.00	50.58	28.26	3.84	33.80	100	40	Average
9		8934.000	52.91	-21.09	74.00	42.38	38.02	7.25	34.74	100	0	Peak
10		8934.000	41.56	-12.44	54.00	31.03	38.02	7.25	34.74	100	14	Average

Remark:

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

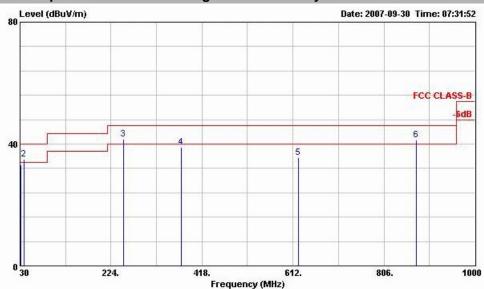
SPORTON International Inc. Page No. : 169 of 180 TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

Test Mode: Mode 23

Polarization: Horizontal (30MHz-1GHz)

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

Report No.: FR791302A



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

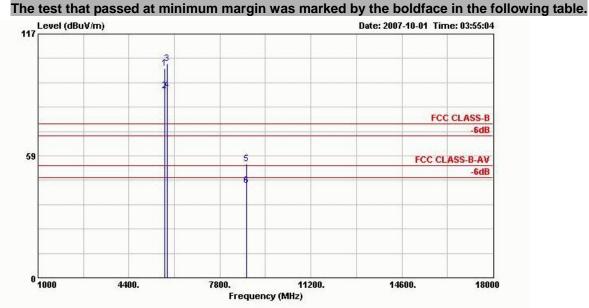
			0ver	Limit	Readi	Intenna	Cable	Preamp	Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	33.09	-6.91	40.00	42.52	16.34	0.89	26.66			Peak
2 !	39.180	34.88	-5.12	40.00	47.85	12.71	0.96	26.64			Peak
3 !	250.050	41.57	-4.43	46.00	52.86	12.57	2.05	25.91	100	189	Peak
4 5	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

 SPORTON International Inc.
 Page No.
 : 170 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

FAX : 886-2-2696-2255 Report Version : Rev.02 FCC ID : RE7-AP300

Polarization: Horizontal (1GHz-25GHz)



Site :03CH04-HY

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

EUT : Al

POWER :120Vac/60Hz MODEL :FR 791302

MOME : lln(a)_Tx(20M)Chl49+lln(a)_Tx(20M)Chl65

Data Rate: 6.5

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table	Remark
	99,000					erupy stam	ALTERNA 21		2000	50,400	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	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

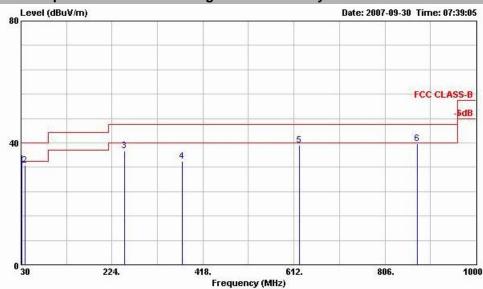
 SPORTON International Inc.
 Page No.
 : 171 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

Polarization: Vertical (30MHz-1GHz)

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



:03CH04-HY

Condition: FCC CLASS-B 3m ANT2724 VERTICAL

POWER :120Vac/60Hz MODEL :FR 791302

MOME :lln(a)_Tx(20M)Chl49+lln(a)_Tx(20M)Chl65

1 ! 3

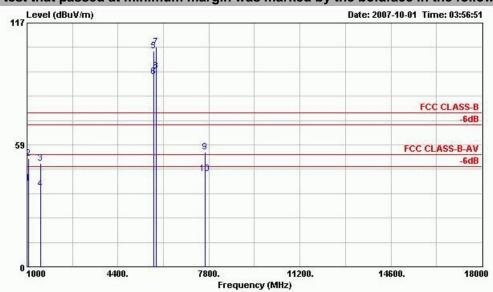
Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB -	cm	deg	-
31.890	36.16	-3.84	40.00	45.59	16.34	0.89	26.66	100	73	QP
38.370	32.73	-7.27	40.00	45.71	12.71	0.95	26.64			Peak
250.050	37.36	-8.64	46.00	48.65	12.57	2.05	25.91		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

SPORTON International Inc. : 172 of 180 Page No. TEL: 886-2-2696-2468 Report Issued Date : Oct. 15, 2007 FAX: 886-2-2696-2255 Report Version : Rev.02

Polarization: Vertical (1GHz-25GHz)

FCC TEST REPORT Report No. : FR791302A

■ 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 : AF

POWER :120Vac/60Hz MODEL :FR 791302

MOME : lln(a)_Tx(20M)Chl49+lln(a)_Tx(20M)Chl65

Data Rate: 6.5

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	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
LO	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

 SPORTON International Inc.
 Page No.
 : 173 of 180

 TEL: 886-2-2696-2468
 Report Issued Date
 : Oct. 15, 2007

 FAX: 886-2-2696-2255
 Report Version
 : Rev.02

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.

Report No.: FR791302A

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 powen limit.

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: RE7-AP300 Page No. : 174 of 180
Report Issued Date : Oct. 15, 2007

Report Version : Rev.02

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)

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: RE7-AP300 Page No. : 175 of 180
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02

Report No.: FR791302A

7. Uncertainty Evaluation

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

Contribution	Uncertainty of x_i		$u(x_i)$	
	dB	Probability	$u(x_i)$	
	-	Distribution	<u> </u>	
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 Uc(y)	1.13			
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.26			

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

Contribution	Uncertainty of $^{\mathcal{X}_i}$			
	dB	Probability	$u(x_i)$	
		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 Uc(y)	1.27			
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)		2.54		

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: RE7-AP300 Page No. : 176 of 180
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02

Report No.: FR791302A

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

Candribution	r				
Contribution	Uncertainty of X_i			Ci	$Ci*u(x_i)$
	dB	Probability	$u(x_i)$		$Ci \ u(x_i)$
		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 Γ1= 0.197	+0.34/-0.35	U-shaped	0.244	1	0.244
Antenna VSWR Γ2= 0.194					
Uncertainty=20log(1-Γ1*Γ2*Γ3)					
Combined standard uncertainty Uc(y)	2.36				
Measuring uncertainty for a level of	470				
confidence of 95% U=2Ue(y)		4.72			

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: RE7-AP300 Page No. : 177 of 180
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02

Report No.: FR791302A

Report No.: FR791302A

Appendix A. External Photographs of EUT



TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A1 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A2 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A3 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A4 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A5 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A6 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A7 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A8 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A9 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02





TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Page Number : A10 OF A21
Report Issued Date : Oct. 15, 2007
Report Version : Rev.02