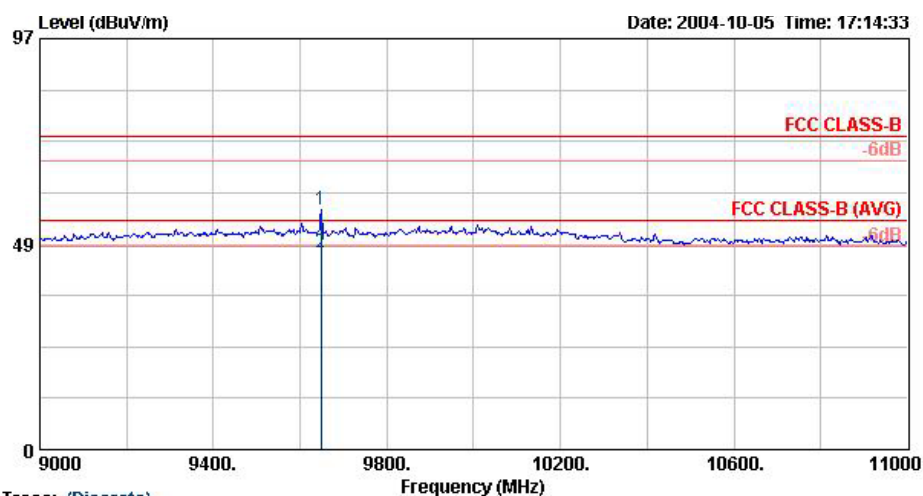


FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH01 2412MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	9648.00	56.57	-17.43	74.00	48.00	38.16	37.50	7.92	Peak	---
2 @	9648.00	46.69	-7.31	54.00	38.12	38.16	37.50	7.92	Average	---

Remark:

Frequency from 11GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

■ Field strength of fundamental and harmonics

Frequency	Antenna	Cable	Reading	Preamp	Limits	Emission	Margin	Detect
Polarity	Factor	Loss		Factor				
(MHz)	(dB/m)	(dB)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
2412.000	H	28.41	3.32	64.86	35.85	-	96.59	- Peak
2412.000	H	28.41	3.32	57.56	35.85	-	89.29	- AV
2412.000	V	28.41	3.32	62.75	35.85	-	94.48	- Peak
2412.000	V	28.41	3.32	55.68	35.85	-	87.41	- AV
4824.000	H	32.36	4.77	12.82	35.78	74.00	49.95	-24.05 Peak
4824.000	H	-	-	-	-	-	-	- Av
4824.000	V	32.36	4.77	13.44	35.78	74.00	50.57	-23.43 Peak
4824.000	V	32.36	4.78	1.36	35.78	54.00	38.50	-15.50 Av
7236.000	V/H	-	-	-	-	-	-	- AV/Peak
9648.000	H	38.16	7.92	8.51	37.50	74.00	54.59	-19.41 Peak
9648.000	H	38.16	7.92	-3.88	37.50	54.00	42.20	-11.80 Av
9648.000	V	38.16	7.92	10.49	37.50	74.00	56.57	-17.43 Peak
9648.000	V	39.16	7.92	-0.39	37.50	54.00	46.69	-7.31 Av
12060.000	V/H	-	-	-	-	-	-	- AV/Peak
14472.000	V/H	-	-	-	-	-	-	- AV/Peak
16884.000	V/H	-	-	-	-	-	-	- AV/Peak
19296.000	V/H	-	-	-	-	-	-	- AV/Peak
21708.000	V/H	-	-	-	-	-	-	- AV/Peak
24120.000	V/H	-	-	-	-	-	-	- AV/Peak

Remark:

1. The emission emitted by the EUT is too low to be measured except the emission listed above,
2. Reading = Reading on SA-Preamp Factor

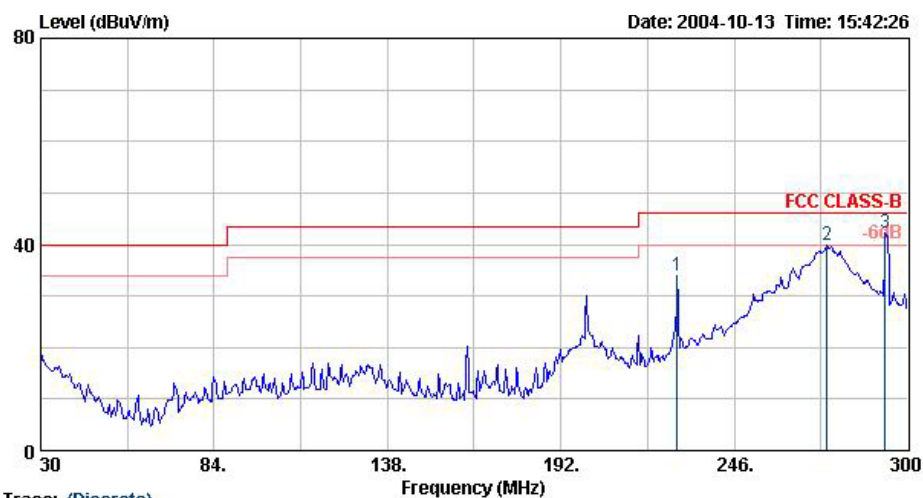
Test Engineer : 

Jim

7.4.2 Test Mode: Mode 2 (802.11b TX CH06)

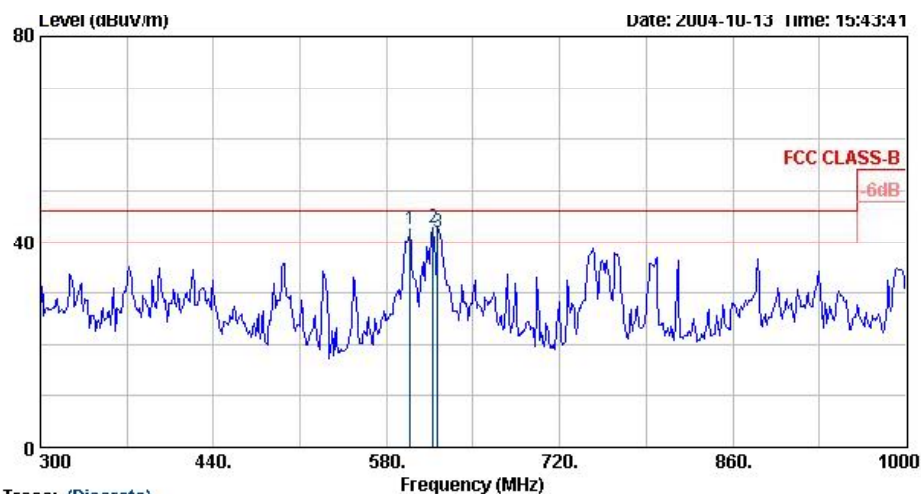
- Test Distance : 3 m
- Temperature : 27 °C
- Relative Humidity :57 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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



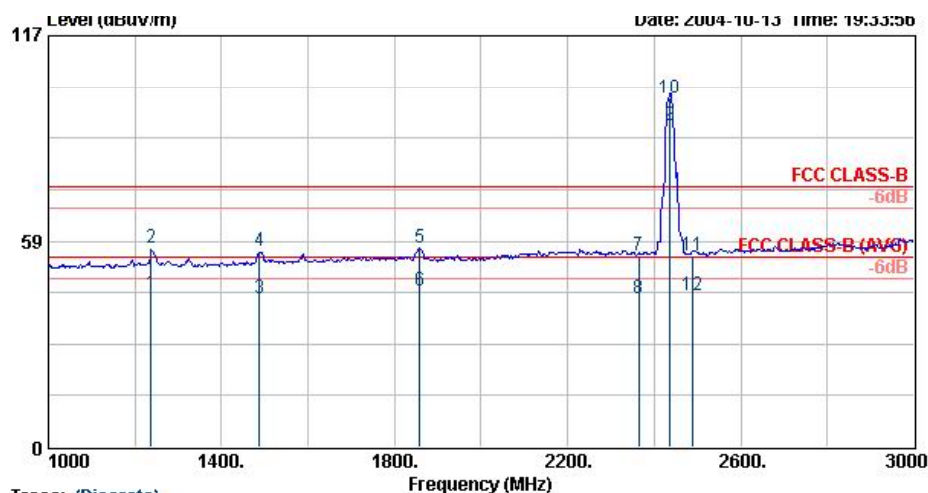
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Preamp	Cable	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	228.18	33.97	-12.03	46.00	54.51	9.38	31.80	1.87 Peak	---	---
2 @	274.89	39.92	-6.08	46.00	57.26	12.50	31.96	2.13 Peak	---	---
3 @	292.98	42.10	-3.90	46.00	58.96	12.86	31.94	2.22 Peak	---	---



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	598.90	42.43	-3.57	46.00	51.66	18.70	31.28	3.36	Peak	---
2 @	617.80	42.78	-3.22	46.00	52.30	18.75	31.52	3.25	Peak	140 69
3 @	621.30	42.01	-3.99	46.00	51.60	18.76	31.52	3.16	Peak	---



Trace: (Discrete)

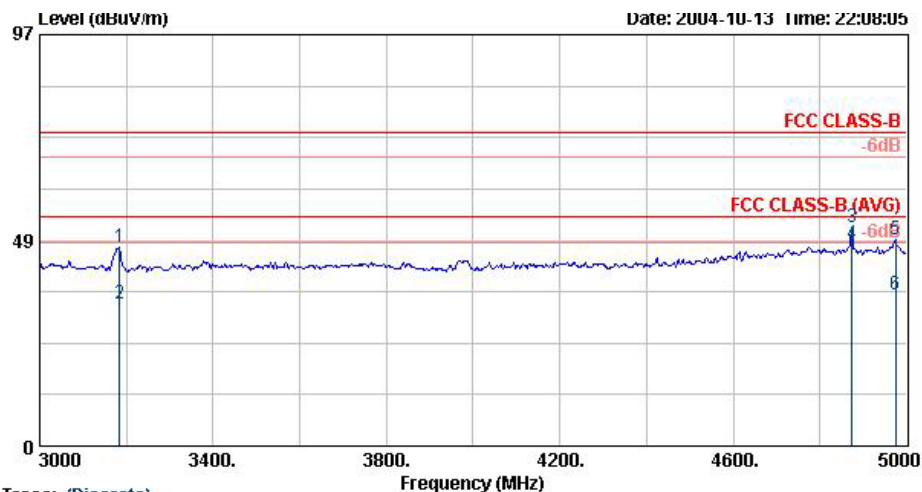
Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss		Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1 @	1238.00	43.42	-10.58	54.00	49.55	24.72	33.19	2.33 Average	---	---
2 @	1238.00	56.52	-17.48	74.00	62.65	24.72	33.19	2.33 Peak	---	---
3 @	1488.00	42.35	-11.65	54.00	48.20	25.50	33.95	2.60 Average	---	---
4 @	1488.00	55.64	-18.36	74.00	61.48	25.50	33.95	2.60 Peak	---	---
5 @	1858.00	56.38	-17.62	74.00	61.62	27.25	35.41	2.93 Peak	---	---
6 @	1858.00	44.22	-9.78	54.00	49.45	27.25	35.41	2.93 Average	---	---
7 @	2364.00	54.31	-19.69	74.00	58.38	28.36	35.72	3.29 Peak	---	---
8 @	2364.00	42.39	-11.61	54.00	46.46	28.36	35.72	3.29 Average	---	---
9 @	2437.00	91.46			95.55	28.45	35.88	3.34 Average	---	---
10 @	2437.00	99.21			103.30	28.45	35.88	3.34 Peak	---	---
11 @	2488.00	54.54	-19.46	74.00	58.61	28.50	35.94	3.38 Peak	---	---
12 @	2488.00	43.04	-10.96	54.00	47.10	28.50	35.94	3.38 Average	---	---

Remark: #9 and 10 Fundamental Signal

FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1 @	3184.00	46.97	-27.03	74.00	49.96	30.00	36.70	3.70 Peak	---	---
2 @	3184.00	33.54	-20.46	54.00	36.54	30.00	36.70	3.70 Average	---	---
3 @	4874.00	51.48	-22.52	74.00	50.19	32.70	36.22	4.81 Peak	---	---
4 @	4874.00	47.50	-6.50	54.00	46.21	32.70	36.22	4.81 Average	---	---
5 @	4974.00	48.64	-25.36	74.00	47.47	33.39	37.10	4.89 Peak	---	---
6 @	4974.00	35.56	-18.44	54.00	34.39	33.39	37.10	4.89 Average	---	---

SPORTON International Inc.

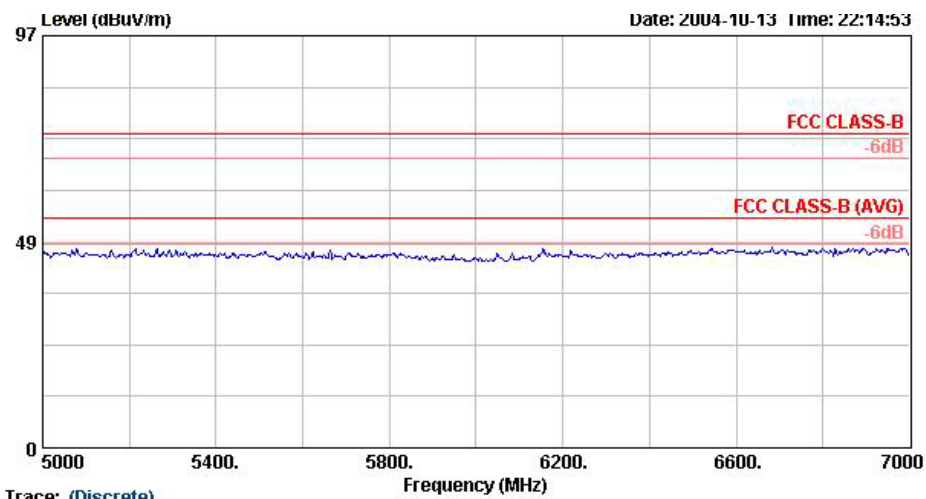
TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

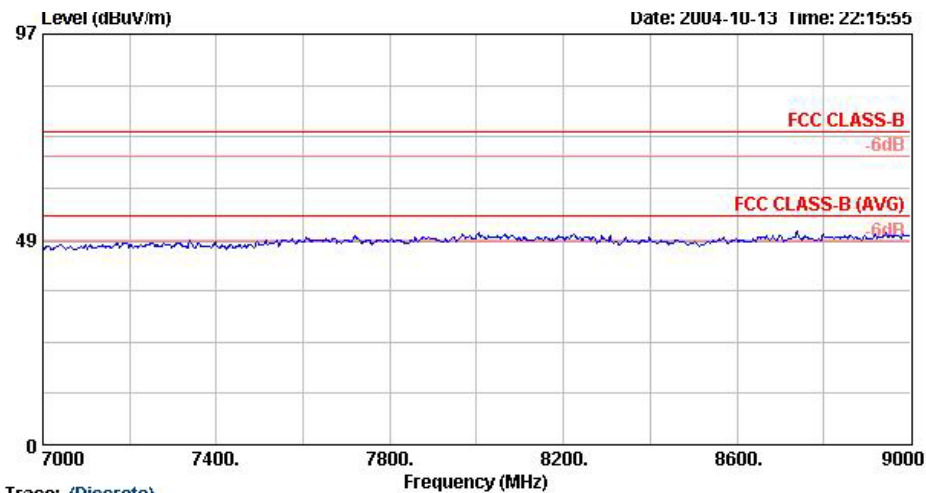
FCC ID : Q8XV310TM

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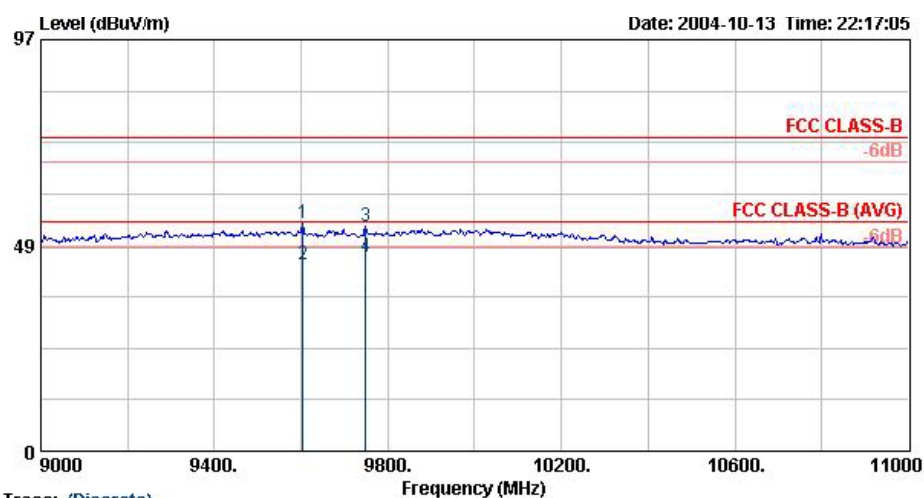
Issued Date : Oct. 26, 2004



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH06 2437MHz



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH06 2437MHz

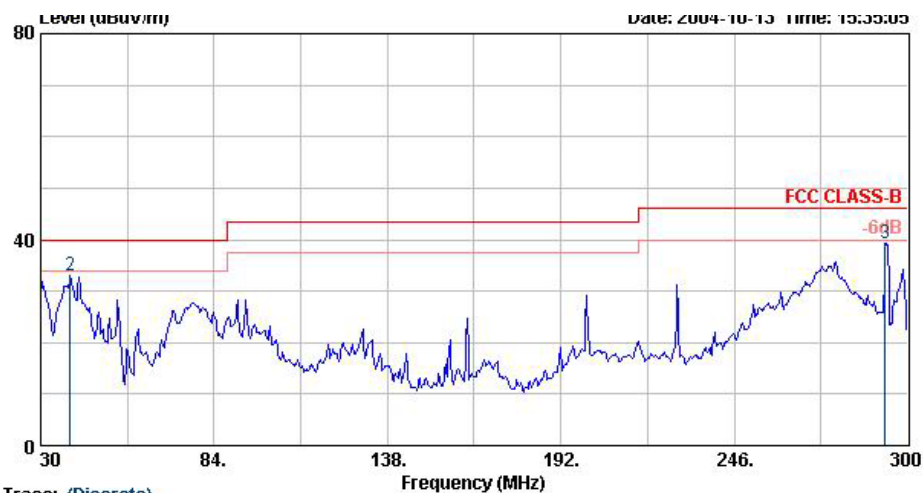


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	9604.00	53.58	-20.42	74.00	45.09	38.10	37.54	7.92 Peak	---	---
2 @	9604.00	43.82	-10.18	54.00	35.34	38.10	37.54	7.92 Average	---	---
3 @	9748.00	53.03	-20.97	74.00	44.28	38.26	37.42	7.91 Peak	---	---
4 @	9748.00	45.73	-8.27	54.00	36.98	38.26	37.42	7.91 Average	---	---

FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	30.00	32.56	-7.44	40.00	45.82	17.90	32.12	0.96	Peak	---
2 @	39.18	32.97	-7.03	40.00	51.69	12.40	32.16	1.04	Peak	---
3 @	292.98	39.25	-6.75	46.00	56.12	12.86	31.94	2.22	Peak	---

SPORTON International Inc.

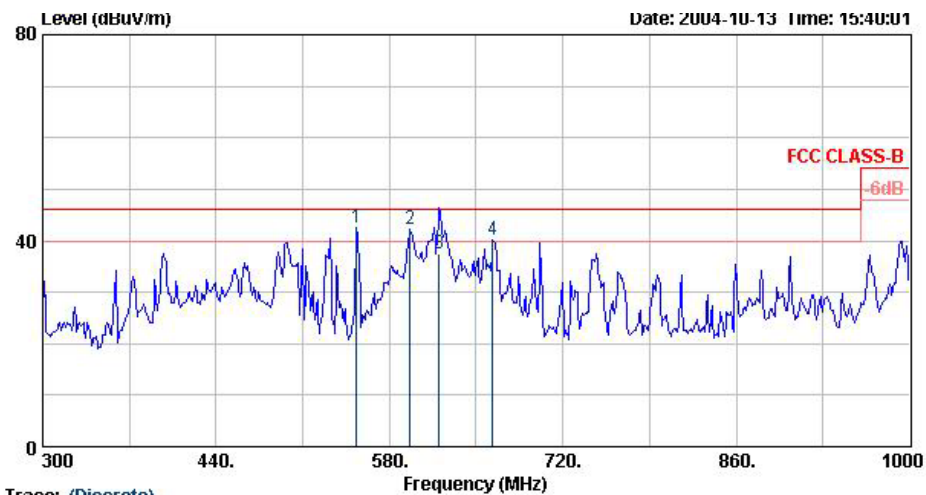
TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : Q8XV310TM

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Issued Date : Oct. 26, 2004



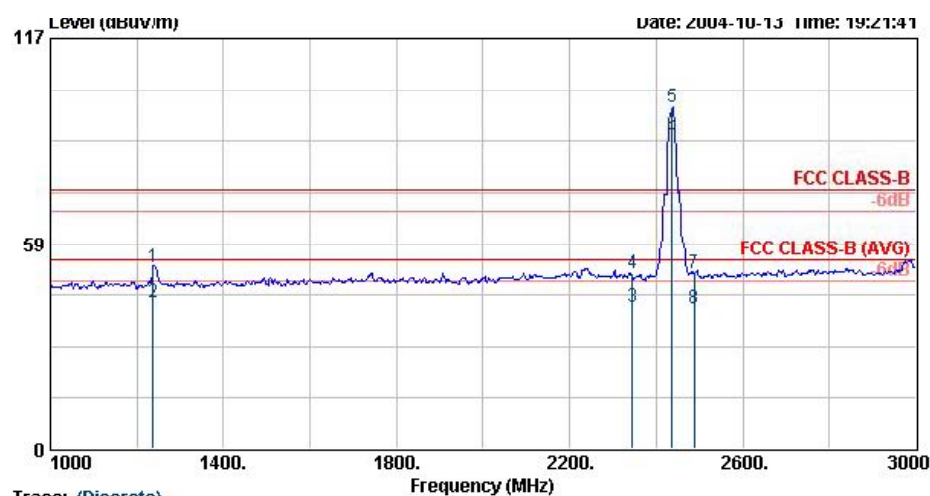
Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	553.40	42.41	-3.59	46.00	51.98	18.69	31.47	3.21	Peak	---
2 @	596.80	42.25	-3.75	46.00	51.50	18.70	31.26	3.31	Peak	---
3 @	619.90	37.56	-8.44	46.00	47.15	18.76	31.53	3.18	QP	100
4 @	663.30	40.14	-5.86	46.00	49.15	18.91	31.61	3.68	Peak	348

FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1 @	1238.00	51.61	-22.39	74.00	57.75	24.72	33.19	2.33 Peak	---	---
2 @	1238.00	41.64	-12.36	54.00	47.77	24.72	33.19	2.33 Average	---	---
3 @	2344.00	40.52	-13.48	54.00	44.61	28.34	35.72	3.29 Average	---	---
4 @	2344.00	50.16	-23.84	74.00	54.25	28.34	35.72	3.29 Peak	---	---
5 @	2437.00	97.51			101.60	28.45	35.88	3.34 Peak	---	---
6 @	2437.00	89.77			93.86	28.45	35.88	3.34 Average	---	---
7 @	2488.00	50.22	-23.78	74.00	54.29	28.50	35.94	3.38 Peak	---	---
8 @	2488.00	40.00	-14.00	54.00	44.06	28.50	35.94	3.38 Average	---	---

Remark: #5 and 6 Fundamental Signal

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

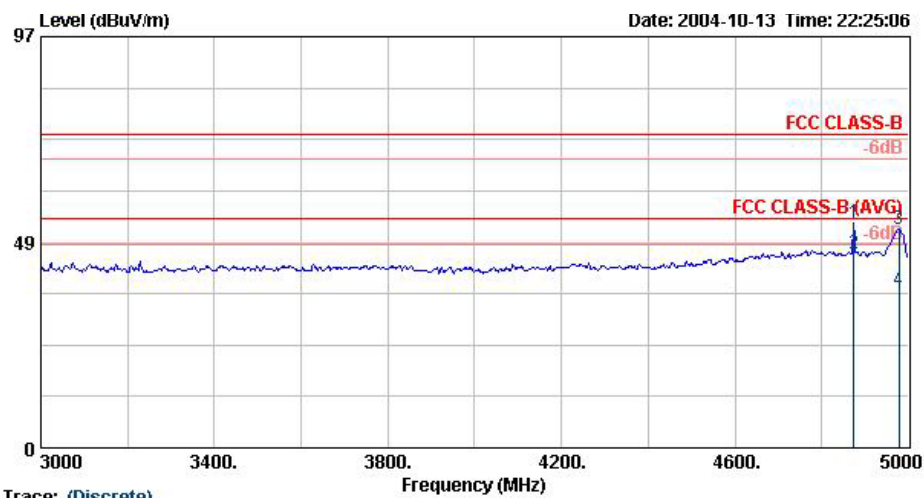
FCC ID : Q8XV310TM

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Issued Date : Oct. 26, 2004

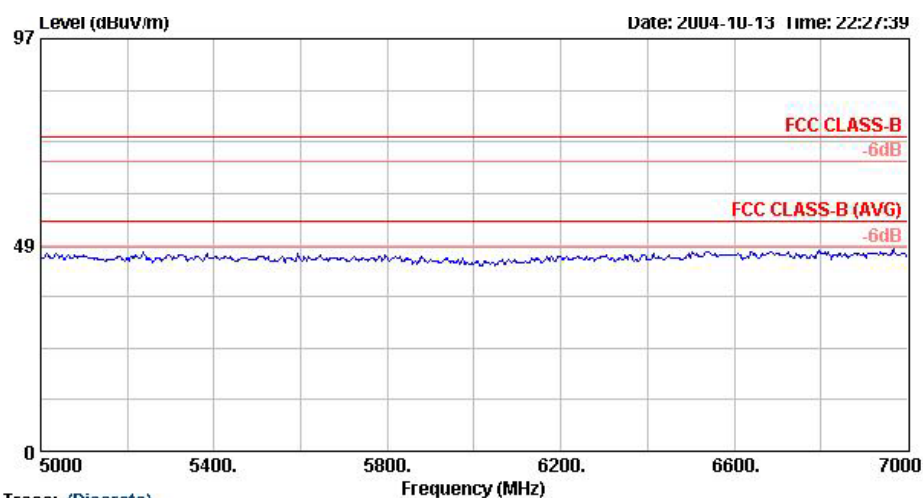
FCC TEST REPORT

Report No. :F483149

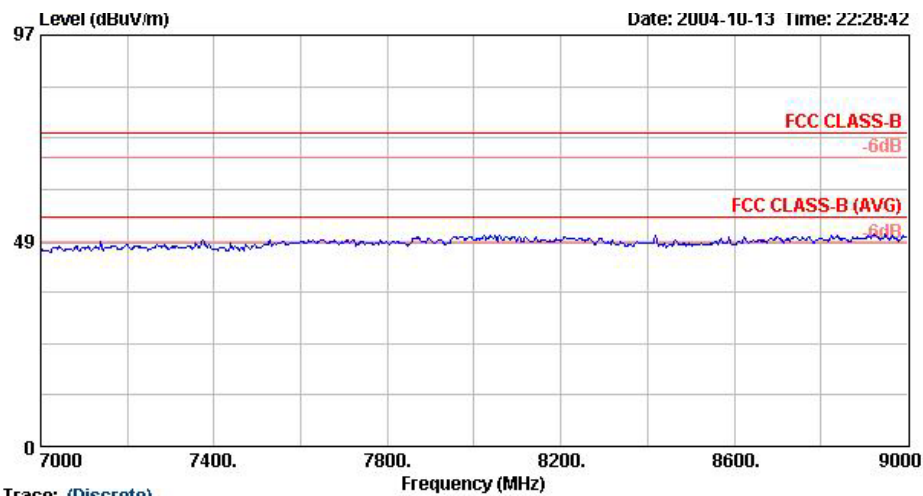


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	4874.00	53.04	-20.96	74.00	51.75	32.70	36.22	4.81	Peak	---
2 @	4874.00	45.88	-8.12	54.00	44.59	32.70	36.22	4.81	Average	---
3 @	4978.00	51.59	-22.41	74.00	50.42	33.39	37.10	4.89	Peak	---
4 @	4978.00	36.99	-17.01	54.00	35.82	33.39	37.10	4.89	Average	---



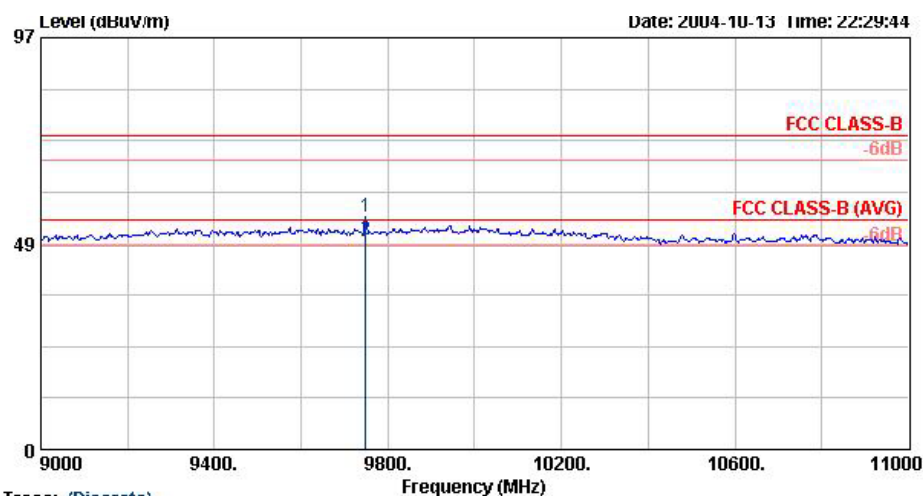
Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH06 2437MHz



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH06 2437MHz

FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH06 2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	9748.00	54.72	-19.28	74.00	45.97	38.26	37.42	7.91	Peak	---
2 @	9748.00	49.58	-4.42	54.00	40.83	38.26	37.42	7.91	Average	---

Remark:

Frequency from 11GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

FCC TEST REPORT

Report No. :F483149

■Field strength of fundamental and harmonics

Frequency	Antenna	Cable	Reading	Preamp	Limits	Emission	Margin	Detect	
Polarity	Factor	Loss		Factor					
(MHz)	(dB/m)	(dB)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode	
2437.000	H	28.45	3.34	67.42	35.88	-	99.21	-	Peak
2437.000	H	28.45	3.34	59.67	35.88	-	91.46	-	AV
2437.000	V	28.45	3.34	65.72	35.88	-	97.51	-	Peak
2437.000	V	28.45	3.34	57.98	35.88	-	89.77	-	AV
4874.000	H	32.70	4.81	13.97	36.22	74.00	51.48	-22.52	Peak
4874.000	H	32.70	4.81	9.99	36.22	54.00	47.50	-6.50	Av
4874.000	V	32.70	4.81	15.53	36.22	74.00	53.04	-20.96	Peak
4874.000	V	32.70	4.81	8.37	36.22	54.00	45.88	-8.12	Av
7311.000	V/H	-	-	-	-	-	-	-	AV/Peak
9748.000	H	38.26	7.91	6.86	37.42	74.00	53.03	-20.97	Peak
9748.000	H	38.26	7.91	-0.44	37.42	54.00	45.73	-8.27	AV
9748.000	V	38.26	7.91	8.55	37.42	74.00	54.72	-19.28	Peak
9748.000	V	38.26	7.91	3.41	37.42	54.00	49.58	-4.42	AV
12185.000	V/H	-	-	-	-	-	-	-	AV/Peak
14622.000	V/H	-	-	-	-	-	-	-	AV/Peak
17059.000	V/H	-	-	-	-	-	-	-	AV/Peak
19496.000	V/H	-	-	-	-	-	-	-	AV/Peak
21933.000	V/H	-	-	-	-	-	-	-	AV/Peak
24370.000	V/H	-	-	-	-	-	-	-	AV/Peak

Remark:

1. The emission emitted by the EUT is too low to be measured except the emission listed above,
2. Reading = Reading on SA-Preamp Factor

Test Engineer : 

Jim

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : Q8XV310TM

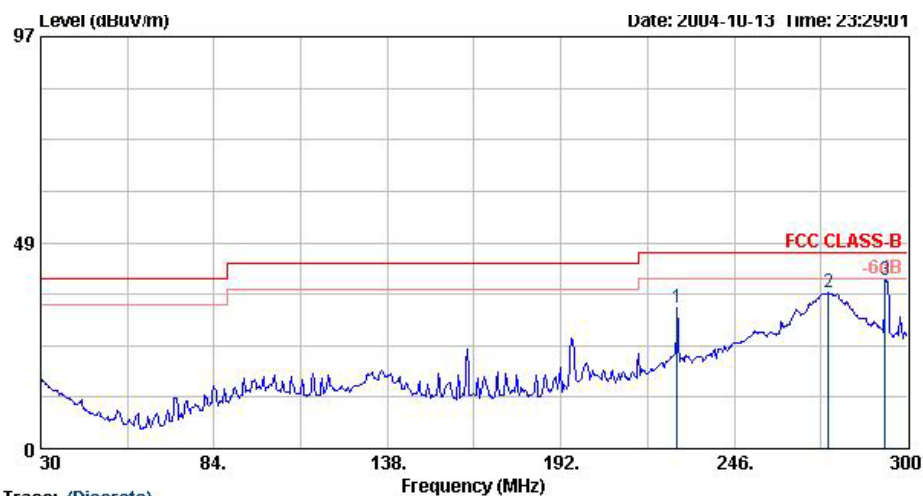
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Issued Date : Oct. 26, 2004

7.4.3 Test Mode: Mode 3 (802.11b TX CH11)

- Test Distance : 3 m
- Temperature : 27 °C
- Relative Humidity :57 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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

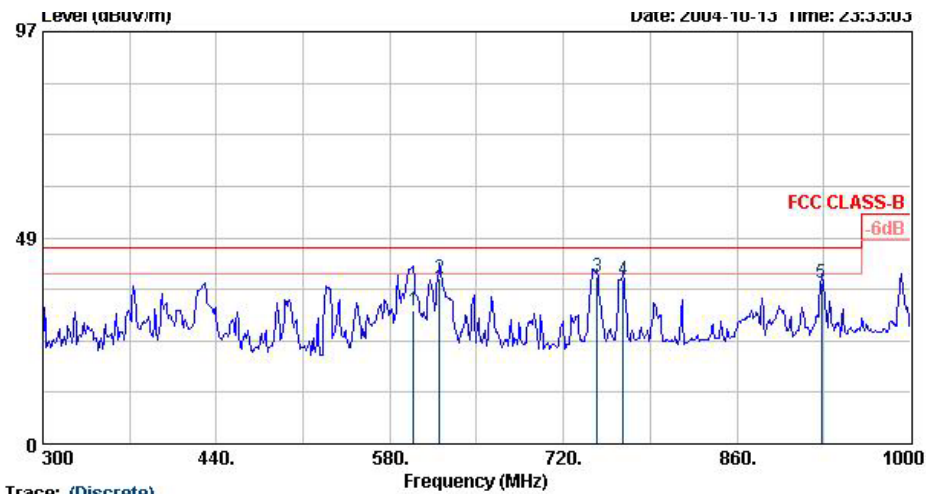


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Preamp	Cable	Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	228.18	33.06	-12.94	46.00	54.15	9.38	31.80	1.33	Peak	---	---
2 @	275.43	36.65	-9.35	46.00	54.67	12.50	31.97	1.45	Peak	---	---
3 @	292.98	39.70	-6.30	46.00	57.29	12.86	31.94	1.49	Peak	---	---

FCC TEST REPORT

Report No. :F483149

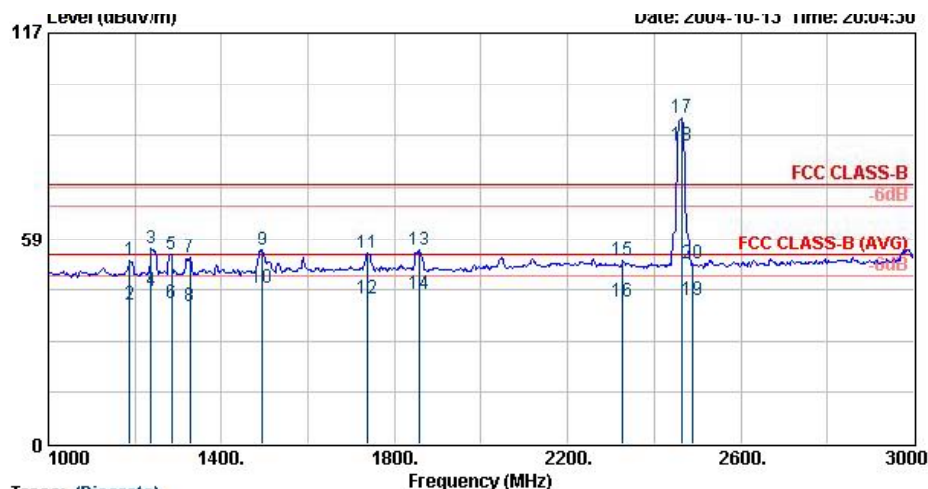


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	598.90	31.50	-14.50	46.00	41.80	18.70	31.28	2.29	QP	---
2 @	619.90	38.94	-7.06	46.00	49.36	18.76	31.53	2.35	QP	---
3 @	747.30	39.31	-6.69	46.00	48.30	19.81	31.40	2.61	QP	---
4 @	768.30	38.75	-7.25	46.00	47.67	19.98	31.62	2.71	QP	---
5 @	927.90	38.03	-7.97	46.00	45.35	20.73	31.10	3.05	QP	---

FCC TEST REPORT

Report No. :F483149



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss		Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1 @	1188.00	51.99	-22.01	74.00	58.17	24.57	33.02	2.28 Peak	---	---
2 @	1188.00	39.75	-14.25	54.00	45.93	24.57	33.02	2.28 Average	---	---
3 @	1238.00	55.53	-18.47	74.00	61.67	24.72	33.19	2.33 Peak	---	---
4 @	1238.00	43.42	-10.58	54.00	49.55	24.72	33.19	2.33 Average	---	---
5 @	1284.00	54.02	-19.98	74.00	60.11	24.88	33.35	2.38 Peak	---	---
6 @	1284.00	39.83	-14.17	54.00	45.92	24.88	33.35	2.38 Average	---	---
7 @	1328.00	52.98	-21.02	74.00	59.08	24.98	33.52	2.44 Peak	---	---
8 @	1328.00	39.17	-14.83	54.00	45.26	24.98	33.52	2.44 Average	---	---
9 @	1494.00	55.17	-18.83	74.00	61.02	25.50	33.95	2.60 Peak	---	---
10 @	1494.00	44.57	-9.43	54.00	50.42	25.50	33.95	2.60 Average	---	---
11 @	1738.00	54.16	-19.84	74.00	59.40	26.67	34.74	2.82 Peak	---	---
12 @	1738.00	41.27	-12.73	54.00	46.52	26.67	34.74	2.82 Average	---	---
13 @	1858.00	55.15	-18.85	74.00	60.39	27.25	35.41	2.93 Peak	---	---
14 @	1858.00	42.47	-11.53	54.00	47.70	27.25	35.41	2.93 Average	---	---
15 @	2328.00	52.08	-21.92	74.00	56.11	28.33	35.63	3.27 Peak	---	---
16 @	2328.00	40.37	-13.63	54.00	44.40	28.33	35.63	3.27 Average	---	---
17 @	2464.00	92.58			96.66	28.47	35.91	3.36 Peak	---	---
18 @	2464.00	84.70			88.78	28.47	35.91	3.36 Average	149	260
19 @	2488.00	40.80	-13.20	54.00	44.86	28.50	35.94	3.38 Average	---	---
20 @	2488.00	51.13	-22.87	74.00	55.19	28.50	35.94	3.38 Peak	---	---

Remark: #17 and #18 Fundamental Signal.

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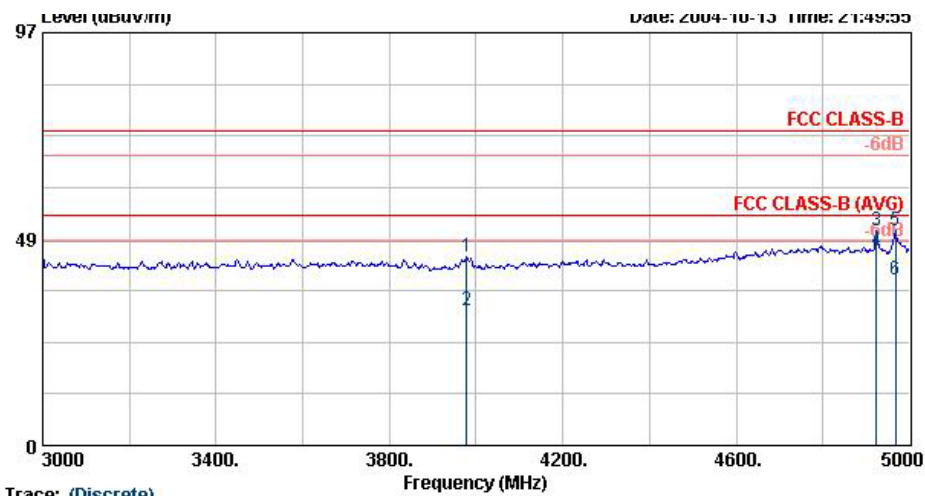
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FCC TEST REPORT

Report No. :F483149



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB		deg
1 @	3978.00	44.52	-29.48	74.00	47.16	30.48	37.41	4.29	Peak	---
2 @	3978.00	31.64	-22.36	54.00	34.28	30.48	37.41	4.29	Average	---
3 @	4924.00	50.54	-23.46	74.00	49.31	33.04	36.66	4.85	Peak	---
4 @	4924.00	45.74	-8.26	54.00	44.48	33.27	36.88	4.87	Average	---
5 @	4968.00	50.33	-23.67	74.00	49.27	33.27	37.10	4.89	Peak	---
6 @	4968.00	38.90	-15.10	54.00	37.84	33.27	37.10	4.89	Average	---

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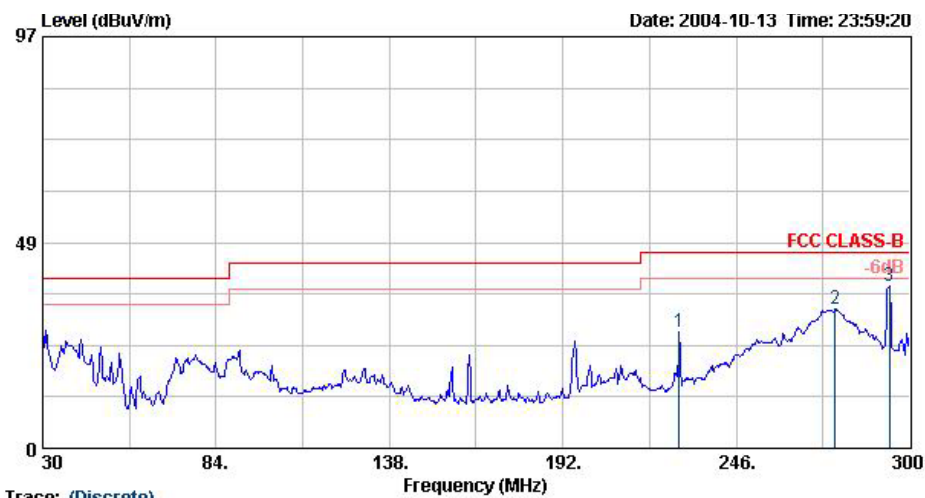
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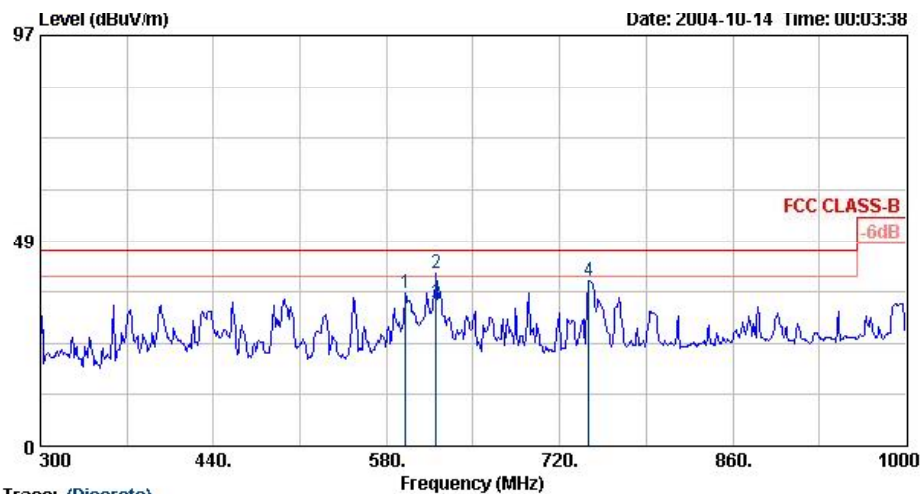
Issued Date : Oct. 26, 2004



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	228.18	27.44	-18.56	46.00	48.53	9.38	31.80	1.33	Peak	---
2 @	276.78	32.96	-13.04	46.00	50.98	12.50	31.97	1.45	Peak	---
3 @	293.79	38.22	-7.78	46.00	55.81	12.86	31.94	1.49	Peak	---



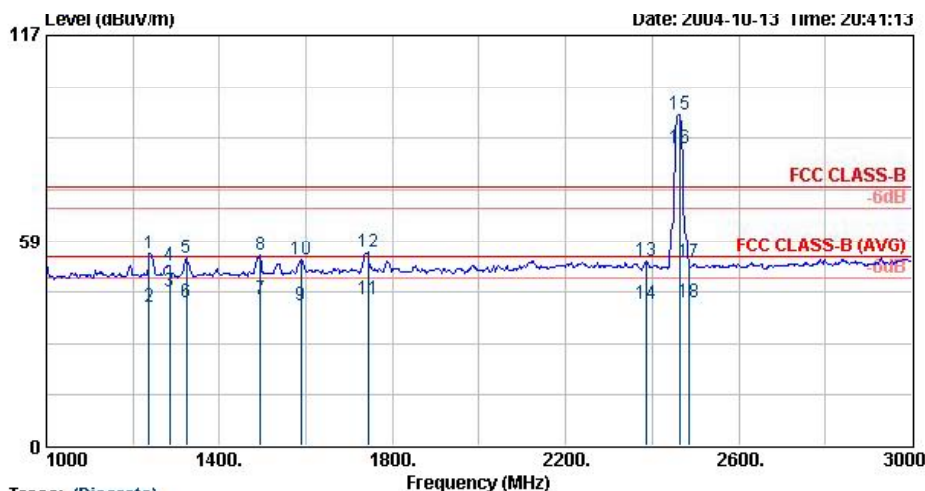
Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	595.40	35.91	-10.09	46.00	46.18	18.70	31.25	2.28	Peak	---
2 @	619.90	40.59	-5.41	46.00	51.00	18.76	31.53	2.35	Peak	---
3 @	619.90	33.68	-12.32	46.00	44.10	18.76	31.53	2.35	QP	150
4 @	743.80	38.92	-7.08	46.00	47.87	19.76	31.32	2.61	Peak	---

FCC TEST REPORT

Report No. :F483149



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Table PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss		Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1 @	1238.00	54.94	-19.06	74.00	61.07	24.72	33.19	2.33 Peak	---	---
2 @	1238.00	39.40	-14.60	54.00	45.53	24.72	33.19	2.33 Average	---	---
3 @	1284.00	43.83	-10.17	54.00	49.92	24.88	33.35	2.38 Average	---	---
4 @	1284.00	51.53	-22.47	74.00	57.62	24.88	33.35	2.38 Peak	---	---
5 @	1324.00	53.34	-20.66	74.00	59.43	24.98	33.52	2.44 Peak	---	---
6 @	1324.00	40.93	-13.07	54.00	47.02	24.98	33.52	2.44 Average	---	---
7 @	1494.00	41.77	-12.23	54.00	47.62	25.50	33.95	2.60 Average	---	---
8 @	1494.00	54.16	-19.84	74.00	60.01	25.50	33.95	2.60 Peak	---	---
9 @	1588.00	39.83	-14.17	54.00	45.30	26.00	34.16	2.69 Average	---	---
10 @	1588.00	52.89	-21.11	74.00	58.36	26.00	34.16	2.69 Peak	---	---
11 @	1744.00	41.71	-12.29	54.00	46.87	26.75	34.74	2.82 Average	---	---
12 @	1744.00	55.10	-18.90	74.00	60.27	26.75	34.74	2.82 Peak	---	---
13 @	2388.00	52.62	-21.38	74.00	56.74	28.40	35.82	3.31 Peak	---	---
14 @	2388.00	40.46	-13.54	54.00	44.58	28.40	35.82	3.31 Average	---	---
15 @	2464.00	94.46			98.54	28.47	35.91	3.36 Peak	---	---
16 @	2464.00	84.81			88.89	28.47	35.91	3.36 Average	127	294
17 @	2484.00	52.08	-21.92	74.00	56.16	28.48	35.94	3.38 Peak	---	---
18 @	2484.00	40.93	-13.07	54.00	45.01	28.48	35.94	3.38 Average	---	---

Remark: # 15 and 16 Fundamental Signal

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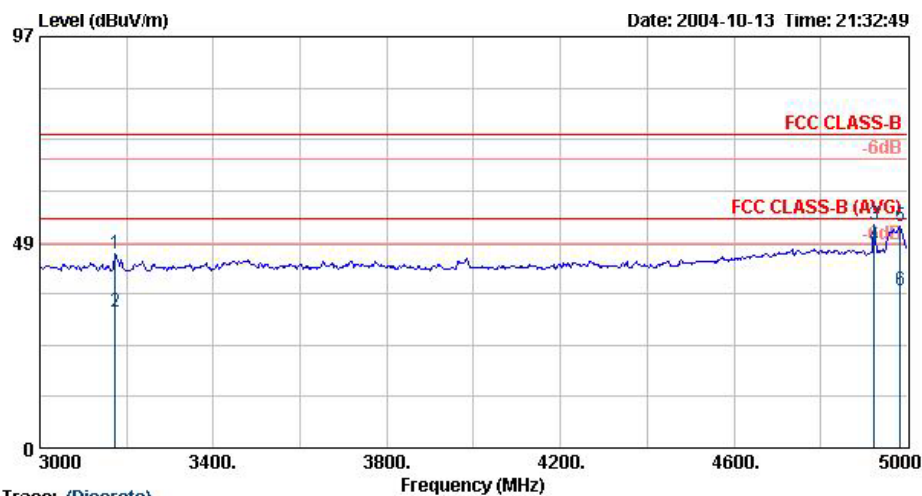
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FCC TEST REPORT

Report No. :F483149



Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
 EUT : Tablet PC
 Power : 120Vac/60Hz
 Model : Tablet PC
 Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	3174.00	45.96	-28.04	74.00	48.97	30.00	36.67	3.67	Peak	---
2 @	3174.00	32.13	-21.87	54.00	35.14	30.00	36.67	3.67	Average	---
3 @	4924.00	52.79	-21.21	74.00	51.56	33.04	36.66	4.85	Peak	---
4 @	4924.00	47.48	-6.52	54.00	46.25	33.04	36.66	4.85	Average	---
5 @	4984.00	52.26	-21.74	74.00	51.09	33.39	37.10	4.89	Peak	---
6 @	4984.00	37.05	-16.95	54.00	35.88	33.39	37.10	4.89	Average	---

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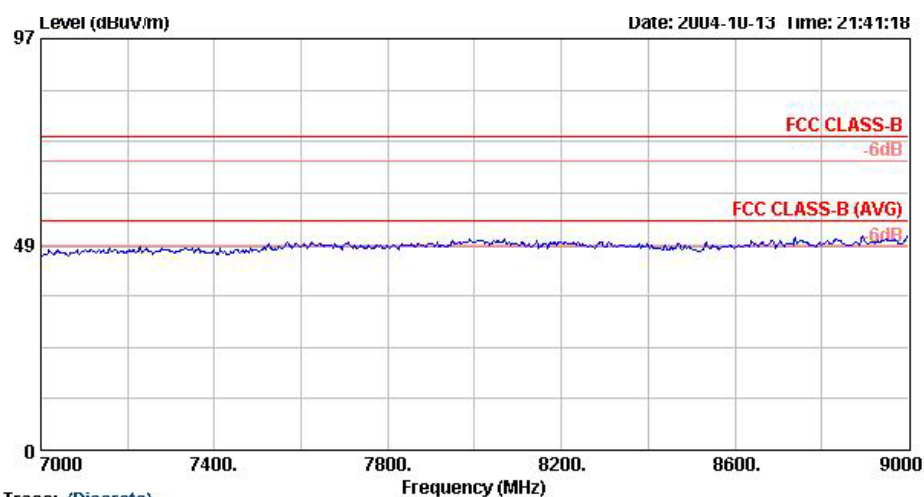
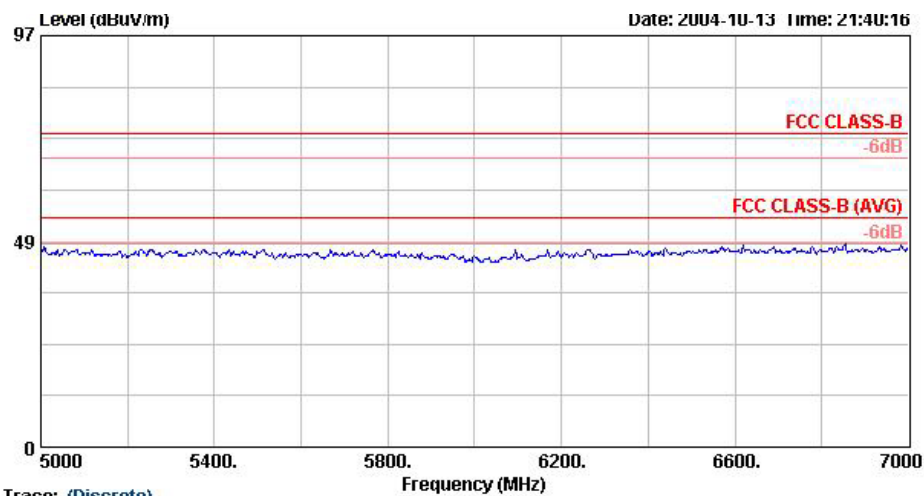
FCC ID : Q8XV310TM

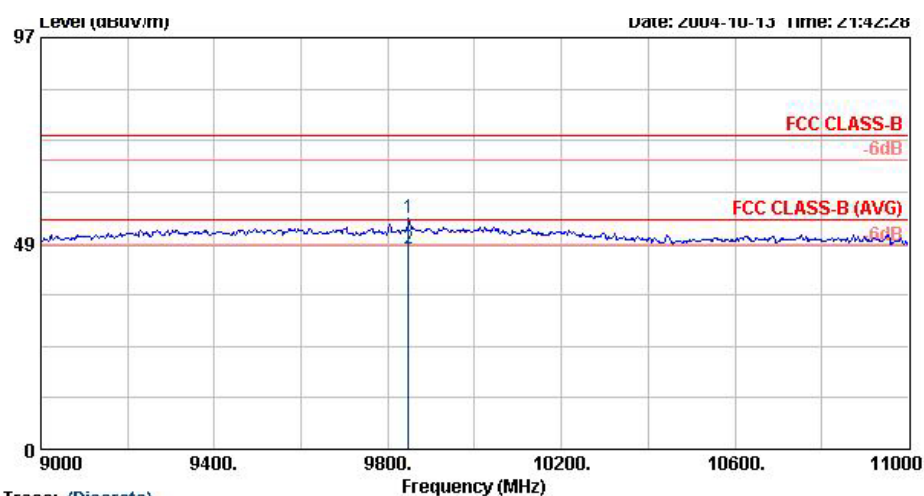
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Issued Date : Oct. 26, 2004

FCC TEST REPORT

Report No. :F483149





Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Tablet PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH11 2462MHz

	Freq	Level	Over	Limit	ReadAntenna	Preampl	Cable		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	9848.00	54.32	-19.68	74.00	45.33	38.34	37.27	7.91	Peak	---
2 @	9848.00	47.40	-6.60	54.00	38.41	38.34	37.27	7.91	Average	---

Remark:

Frequency from 11GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

FCC TEST REPORT

Report No. :F483149

■ Field strength of fundamental and harmonics

Frequency	Antenna	Cable	Reading	Preamp	Limits	Emission	Margin	Detect	
Polarity	Factor	Loss		Factor					
(MHz)	(dB/m)	(dB)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode	
2464.000	H	28.47	3.36	60.75	35.91	-	92.58	-	Peak
2464.000	H	28.47	3.36	52.87	35.91	-	84.70	-	AV
2464.000	V	28.47	3.36	62.63	35.91	-	94.46	-	Peak
2464.000	V	28.47	3.38	52.96	35.91	-	84.81	-	AV
4924.000	H	33.04	4.85	12.65	36.66	74.00	50.54	-23.46	Peak
4924.000	H	33.27	4.87	7.60	36.88	54.00	45.74	-8.26	AV
4924.000	V	33.04	4.85	14.90	36.66	74.00	52.79	-21.21	Peak
4924.000	V	33.04	4.85	9.59	36.66	54.00	47.48	-6.52	AV
7386.000	V/H	-	-	-	-	-	-	-	AV/Peak
9848.000	H	-	-	-	-	-	-	-	AV/Peak
9848.000	V	38.34	7.91	8.07	37.27	74.00	54.32	-19.68	Peak
9848.000	V	38.34	7.91	1.15	37.27	54.00	47.40	-6.60	Av
12310.000	V/H	-	-	-	-	-	-	-	AV/Peak
14772.000	V/H	-	-	-	-	-	-	-	AV/Peak
17234.000	V/H	-	-	-	-	-	-	-	AV/Peak
19696.000	V/H	-	-	-	-	-	-	-	AV/Peak
22158.000	V/H	-	-	-	-	-	-	-	AV/Peak
24620.000	V/H	-	-	-	-	-	-	-	AV/Peak

Remark:

1. The emission emitted by the EUT is too low to be measured except the emission listed above,
2. Reading = Reading on SA-Preamp Factor

Test Engineer : 

Jim

8. Antenna Requirements

The EUT use a PIFA Antenna with IPEX connector. It is considered to meet antenna requirement of FCC.

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.

8.2. Antenna Connected Construction

The antenna used in this product is a PIFA Antenna with IPEX connector.

9. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9 KHz – 2.75 GHz	Feb. 16, 2004	Feb. 16, 2005	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9 KHz – 30 MHz	Jun. 09, 2004	Jun. 09, 2005	Conduction (CO04-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	99041	9 KHz – 30 MHz	Apr. 27, 2004	Apr. 27, 2005	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	N/A	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB044	9KHz~30MHz	Apr. 21, 2004	Apr. 21, 2005	Conduction (CO04-HY)
Spectrum analyzer	R&S	FSP40	100057	9KHz-40GHz	Feb. 26, 2004	Feb. 26, 2005	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Dec. 18, 2003	Dec. 18, 2004	Radiation (03CH06-HY)
Horn Antenna	Com-Power	AH118	071025	1G-18G	Feb. 11, 2004	Feb. 11, 2005	Radiation (03CH06-HY)
PreAmplifier	Com-Power	PA-103	161055	1MHz - 1000MHz	Apr. 26, 2004	Apr. 26, 2005	Radiation (03CH06-HY)
HF Amplifier	MITEQ	AFS44	973248	0.1G - 26.5G	May 20, 2004	May 20, 2005	Radiation (03CH06-HY)

10. Uncertainty Measurement

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 Receiver VSWR Γ_1 = LISN VSWR Γ_2 = Uncertainty= $20\log(1-\Gamma_1*\Gamma_2)$	+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 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 Receiver VSWR Γ_1 = 0.20 Antenna VSWR Γ_2 = 0.23 Uncertainty= $20\log(1-\Gamma_1*\Gamma_2)$	+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		

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

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	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 = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+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				

$$U = \sqrt{\{(0.3/2)^2 + (2^2 + 1.5^2 + 0.2^2)/3 + (0.2)^2/2\}} = 1.66$$