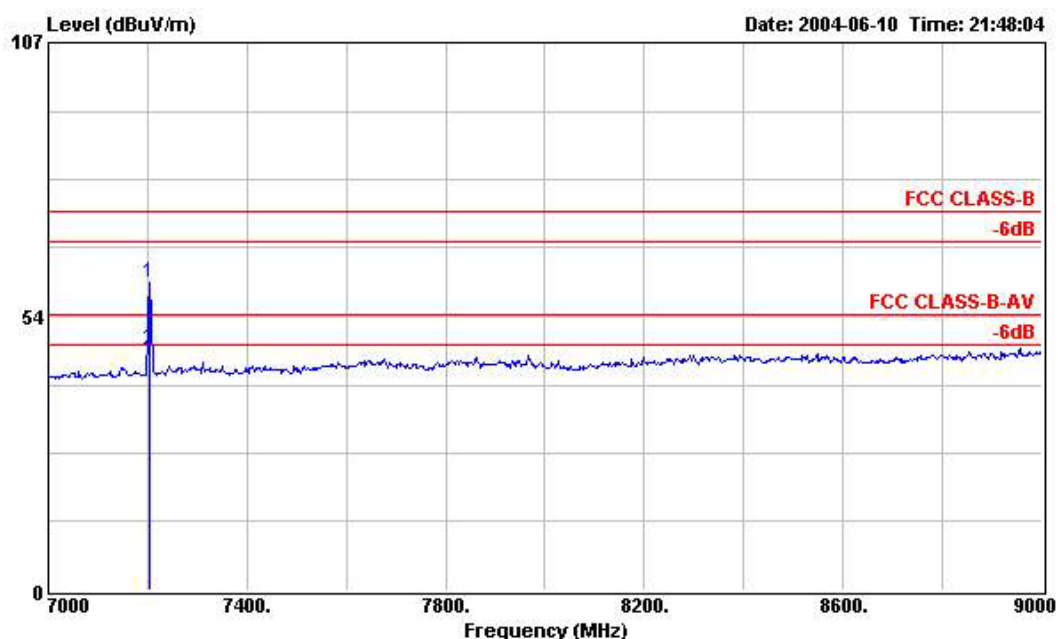


FCC TEST REPORT

Report No. : F460202-A

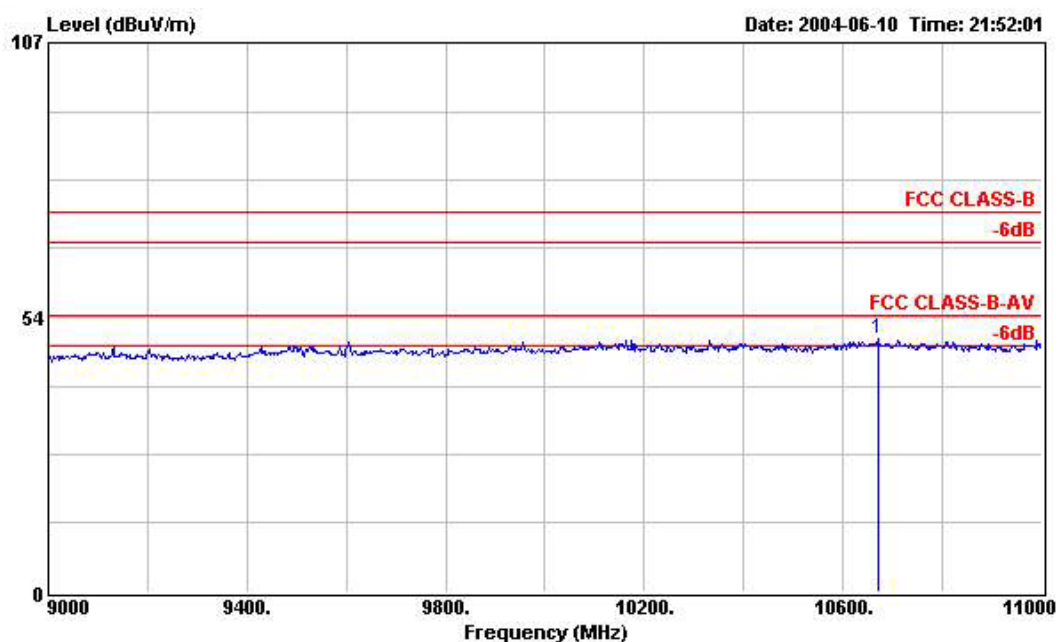


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	7204.000	60.00	-14.00	74.00	63.99	36.01	2.74	42.74	Peak	100	113
2	7204.000	46.80	-7.20	54.00	50.79	36.01	2.74	42.74	Average	100	113

FCC TEST REPORT

Report No. : F460202-A

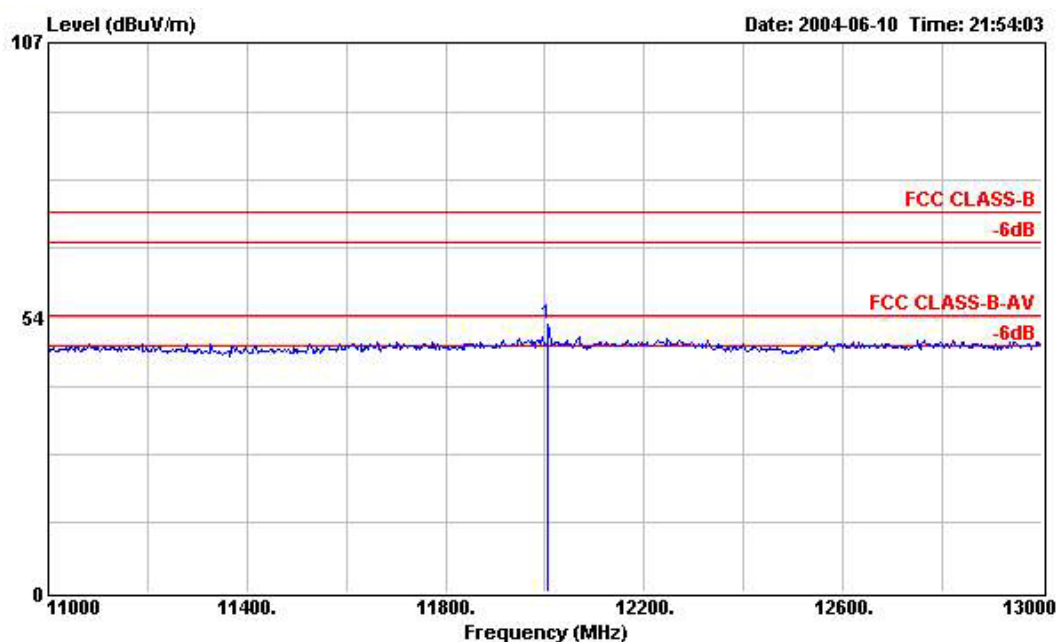


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 : Host TX 2402MHz (CH:00)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	10670.000	49.24	-24.76	74.00	45.02	39.39	4.19	39.36	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A



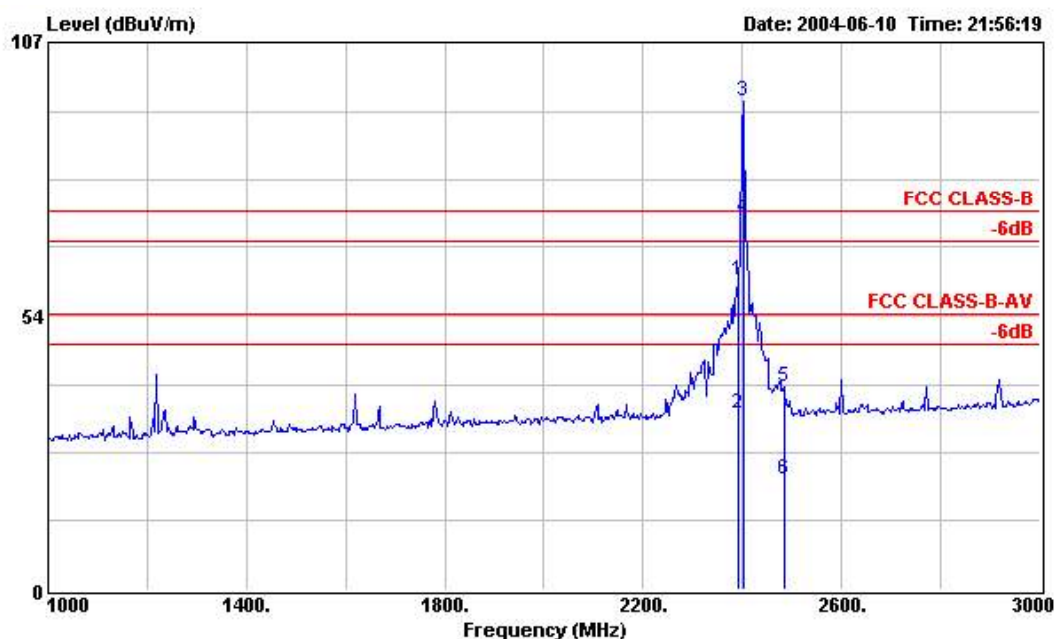
Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 : Host TX 2402MHz (CH:00)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	12006.000	52.14	-21.86	74.00	48.08	39.29	4.41	39.64	Peak	---	---

- Remark: Frequency from 12006MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.

FCC TEST REPORT

Report No. : F460202-A



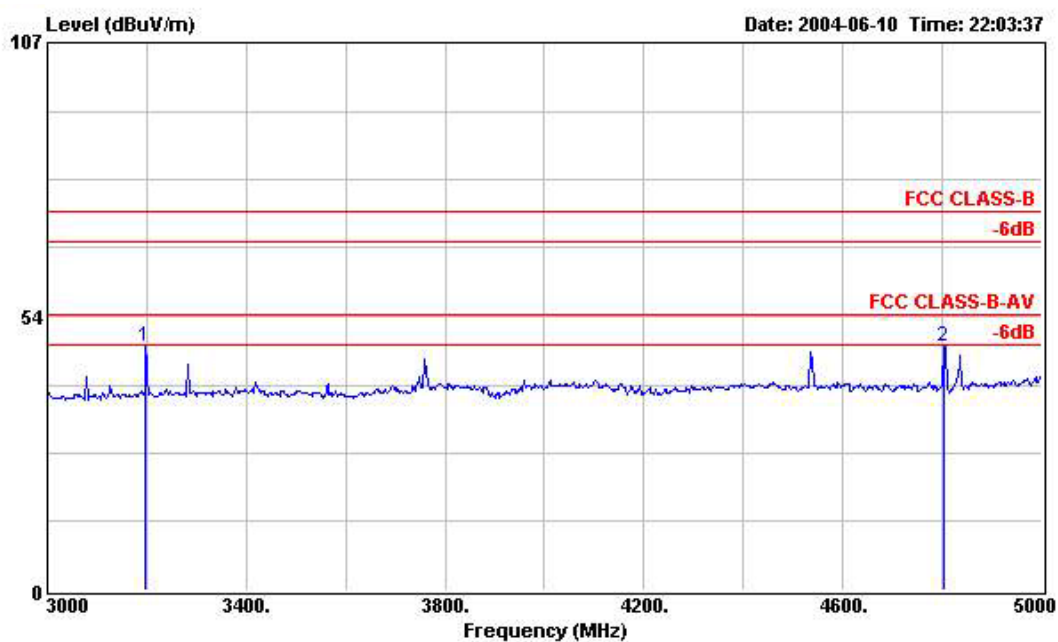
Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	2390.000	60.45	-13.55	74.00	71.73	28.14	1.72	41.14	Peak	100	245
2	2390.000	34.41	-19.59	54.00	45.69	28.14	1.72	41.14	Average	100	245
3 X	2404.000	95.57			106.81	28.18	1.73	41.15	Peak	100	245
4 X	2404.000	72.63			83.87	28.18	1.73	41.15	Average	100	245
5	2484.000	39.55	-34.45	74.00	50.54	28.39	1.82	41.20	Peak	100	245
6	2484.000	21.68	-32.32	54.00	32.67	28.39	1.82	41.20	Average	100	245

Remark: The "X" represent a fundamental frequency.

FCC TEST REPORT

Report No. : F460202-A



Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3198.000	47.64	-26.36	74.00	56.07	30.65	2.16	41.24	Peak	---	---
2	4804.000	47.72	-26.28	74.00	54.47	33.19	2.40	42.34	Peak	---	---

SPORTON International Inc.

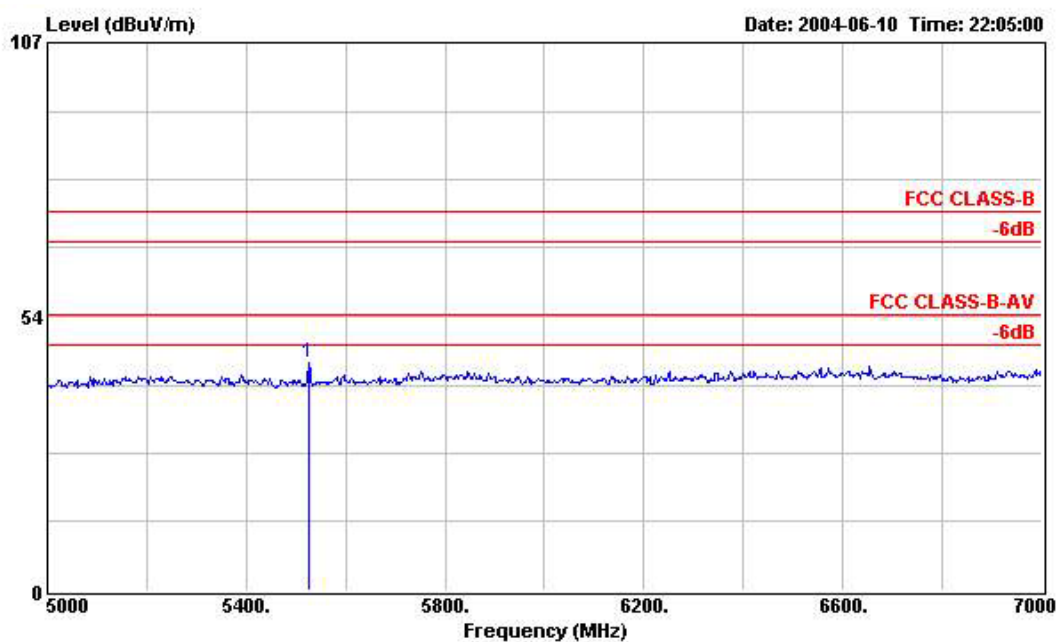
TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID. : RNIC348610-H

Page No. : 52 of 97

Issued Date : June 18, 2004

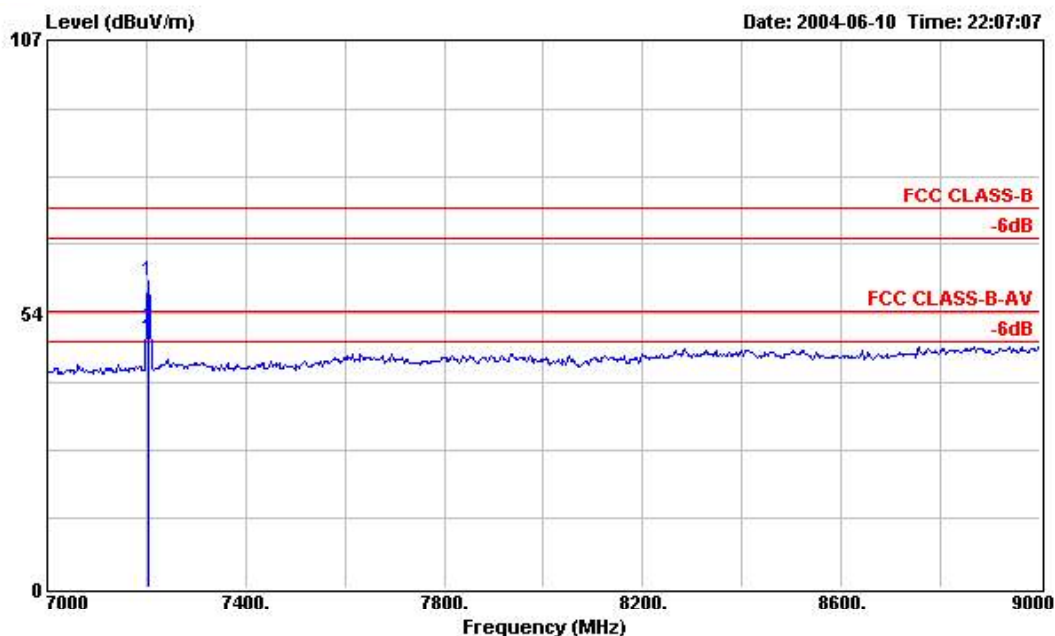


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	5526.000	44.56	-29.44	74.00	50.63	34.41	2.63	43.11	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

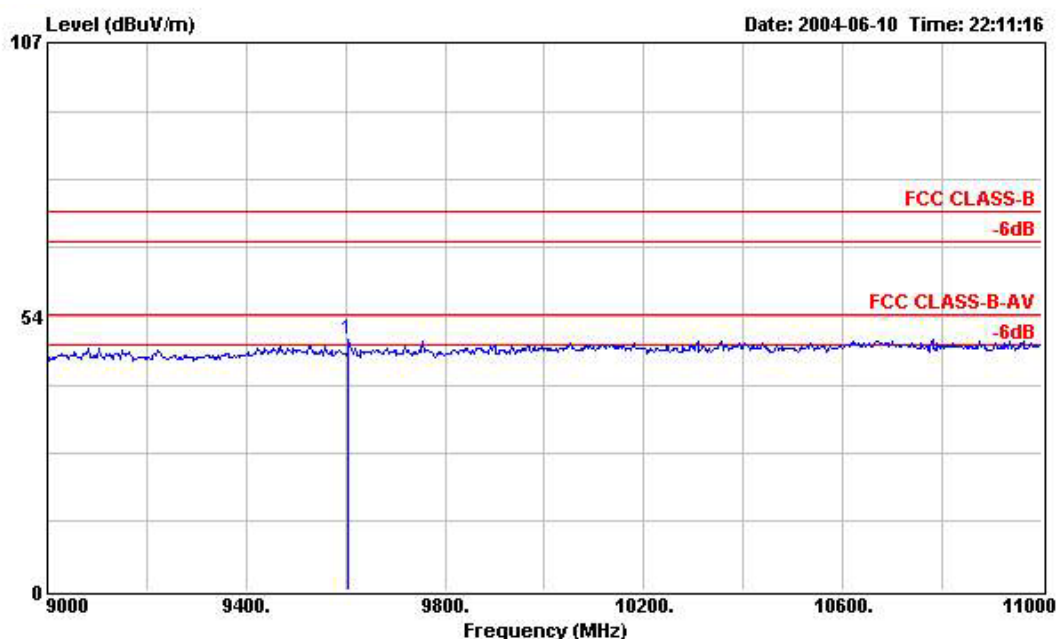


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
			Limit	Line							
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	7204.000	59.65	-14.35	74.00	63.64	36.01	2.74	42.74	Peak	100	35
2	7204.000	50.52	-3.48	54.00	54.51	36.01	2.74	42.74	Average	100	35

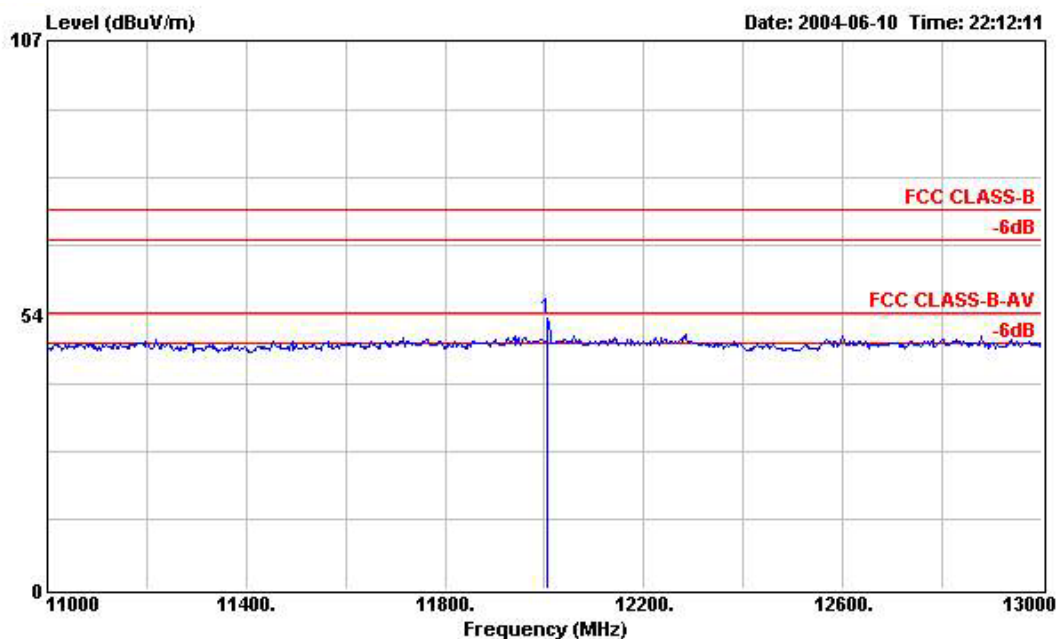
FCC TEST REPORT

Report No. : F460202-A



Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2402MHz (CH:00)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	9606.000	48.88	-25.12	74.00	46.64	38.36	3.76	39.88	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Memo : LM610
Host TX 2402MHz (CH:00)

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
		Limit	Line							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 12006.000	52.82	-21.18	74.00	48.76	39.29	4.41	39.64	Peak	---	---

- Remark: Frequency from 12006MHz to 25000MHz, 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	
2404.000	H	28.18	1.73	58.97	41.15	-	88.88	-	Peak
2404.000	H	28.18	1.73	36.77	41.15	-	66.68	-	A.V.
2404.000	V	28.18	1.73	65.66	41.15	-	95.57	-	Peak
2404.000	V	28.18	1.73	42.72	41.15	-	72.63	-	A.V.
4804.000	H	33.19	2.40	10.56	42.34	74.00	46.15	-27.85	Peak
7204.000	H	36.01	2.74	21.25	42.74	74.00	60.00	-14.00	Peak
7204.000	H	36.01	2.74	8.05	42.74	54.00	46.80	-7.20	A.V.
12006.000	H	39.29	4.41	8.44	39.64	74.00	52.14	-21.86	Peak
4804.000	V	33.19	2.40	12.13	42.34	74.00	47.72	-26.28	Peak
7204.000	V	36.01	2.74	20.90	59.65	74.00	59.65	-14.35	Peak
7204.000	V	36.01	2.74	11.77	50.52	54.00	50.52	-3.48	A.V.
9606.000	V	38.36	3.76	6.76	39.88	74.00	48.88	-25.12	Peak
12006.000	V	39.29	4.41	9.12	39.64	74.00	52.82	-21.18	Peak
9608.000	H	-	-	-	-	-	-	-	Peak, A.V.
14412.000	V/H	-	-	-	-	-	-	-	Peak, A.V.
16814.000	V/H	-	-	-	-	-	-	-	Peak, A.V.
19216.000	V/H	-	-	-	-	-	-	-	Peak, A.V.
21618.000	V/H	-	-	-	-	-	-	-	Peak, A.V.
24020.000	V/H	-	-	-	-	-	-	-	Peak, A.V.

Remark: The emission emitted by the EUT is too low to be measured except the emission listed above

Test Engineer: 

Jay

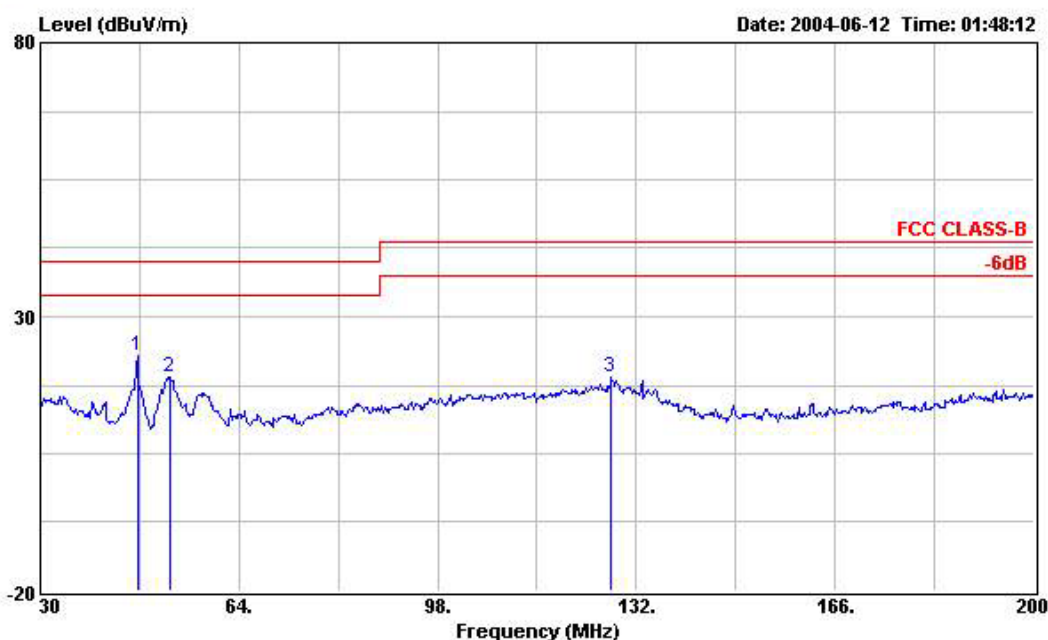
FCC TEST REPORT

Report No. : F460202-A

- Test Mode: Mode 2
- Test Distance: 3m
- Temperature: 26°C
- Relative Humidity: 53%
- Test Date: June 15, 2004
- 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 the minimum margin was marked by the frame in the following test record

■ Spurious Emission

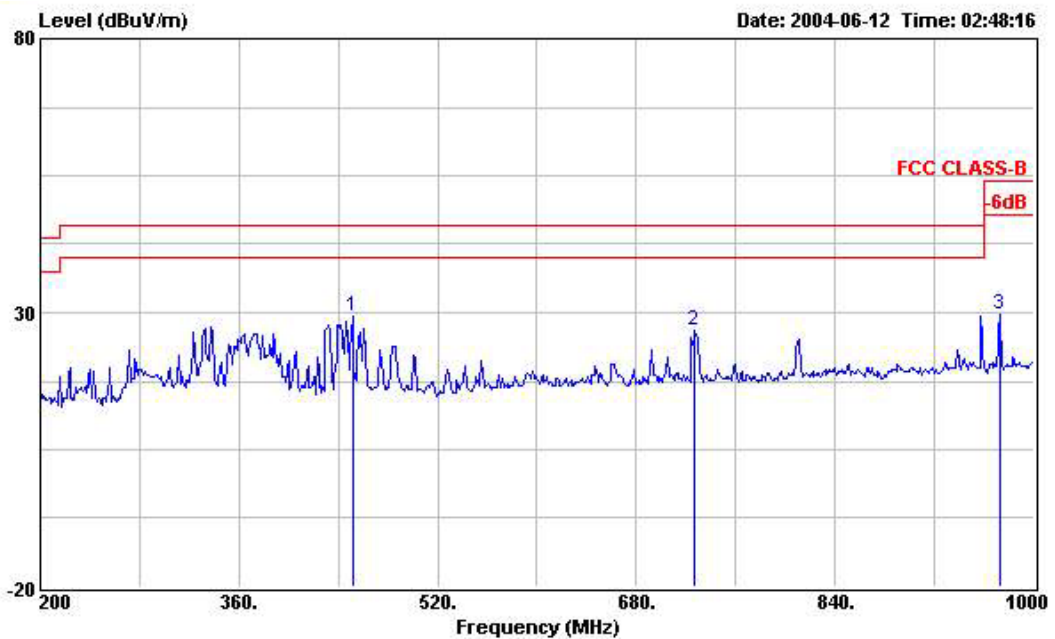


Site : 03CH03-HY
Condition : FCC CLASS-B 3m BIC-9124--301 HORIZONTAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Memo : LM610
Host TX 2441MHz (CH:39)

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	46.660	22.95	-17.05	40.00	40.30	10.40	0.26	28.01	Peak	---	---
2	52.100	19.00	-21.00	40.00	36.53	10.13	0.33	27.99	Peak	---	---
3	127.750	18.91	-24.59	43.50	34.95	11.19	0.61	27.84	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

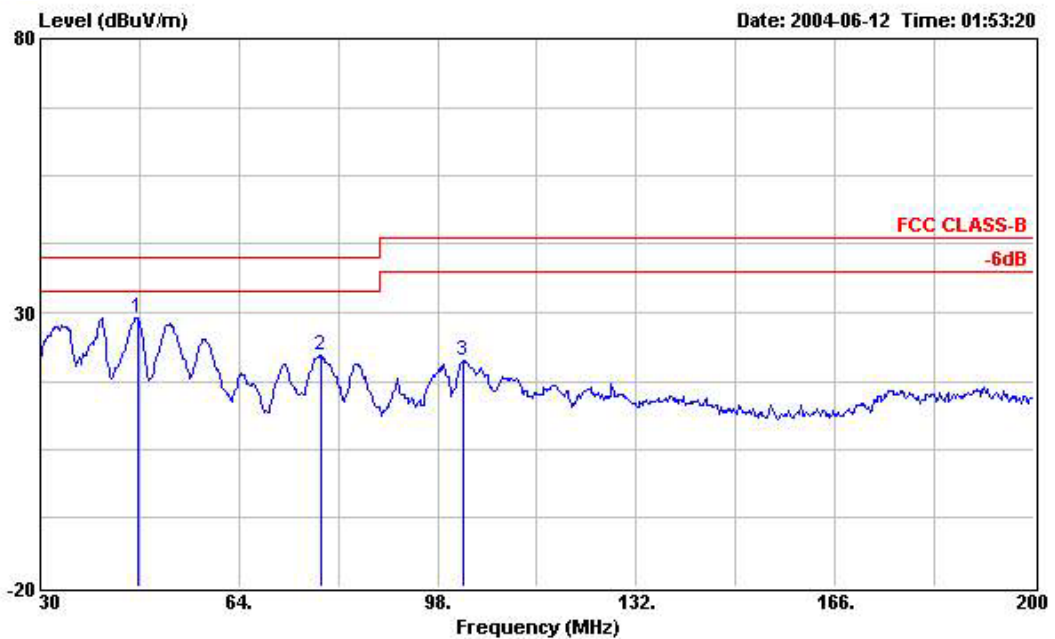


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m LOG-9111-221 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 : Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	451.200	29.48	-16.52	46.00	39.83	16.56	1.35	28.26	Peak	---	---
2	727.200	26.64	-19.36	46.00	33.98	19.91	1.48	28.73	Peak	---	---
3	972.800	29.80	-24.20	54.00	34.16	22.02	1.85	28.23	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

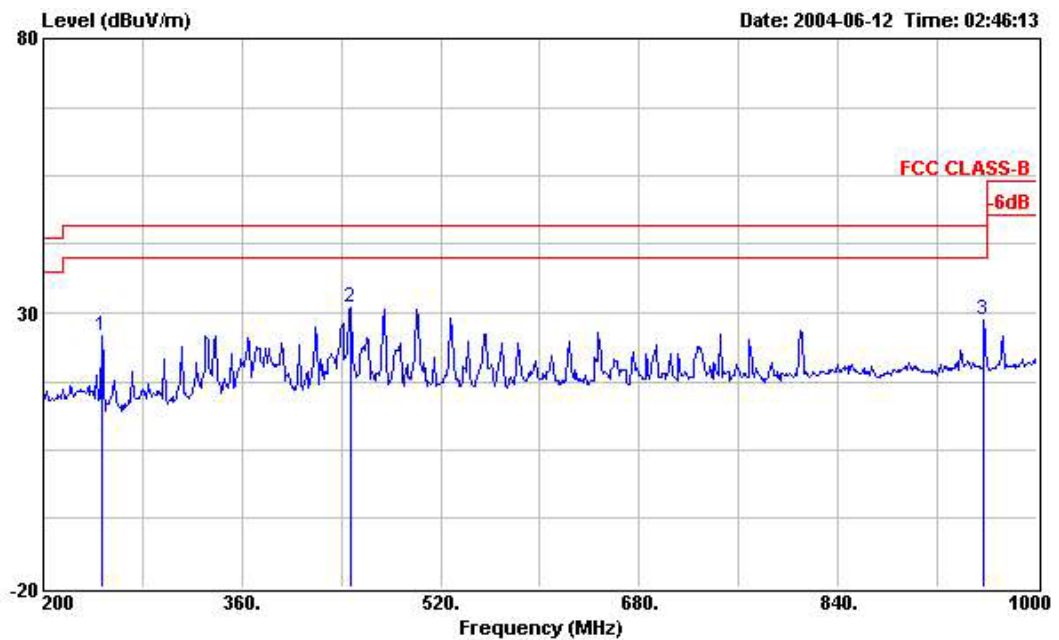


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m BIC-9124--301 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 : Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	46.660	29.13	-10.87	40.00	46.48	10.40	0.26	28.01	Peak	---	---
2	77.940	22.21	-17.79	40.00	40.36	9.31	0.48	27.94	Peak	---	---
3	102.420	21.13	-22.37	43.50	38.58	9.95	0.49	27.89	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

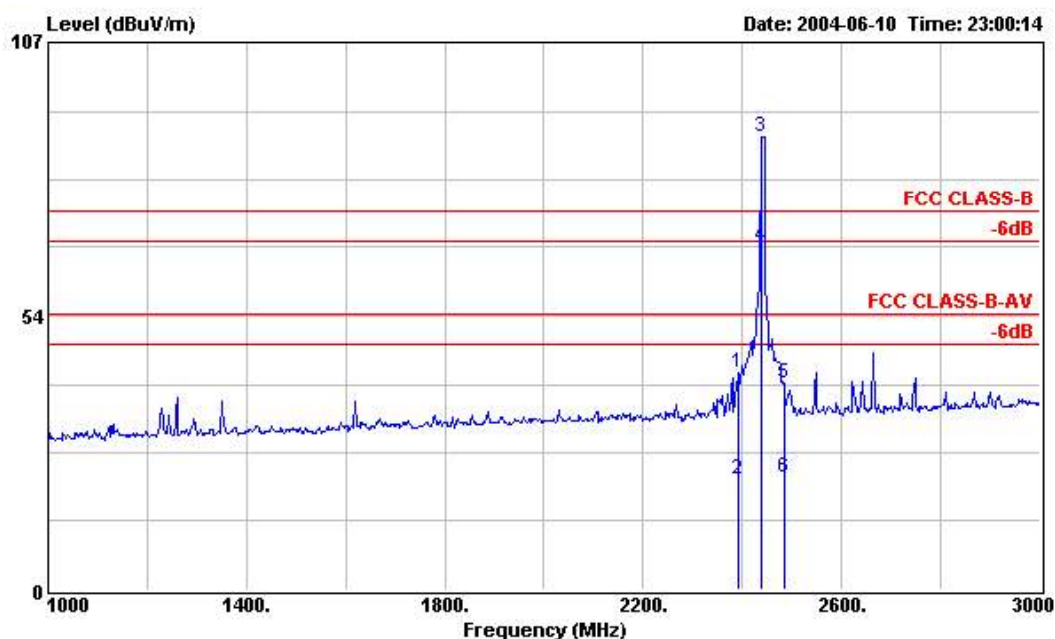


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m LOG-9111-221 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 : Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	247.200	25.85	-20.15	46.00	39.89	12.50	0.97	27.51	Peak	---	---
2	448.000	31.02	-14.98	46.00	41.42	16.49	1.34	28.23	Peak	---	---
3	957.600	28.83	-17.17	46.00	33.58	21.90	1.59	28.24	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A



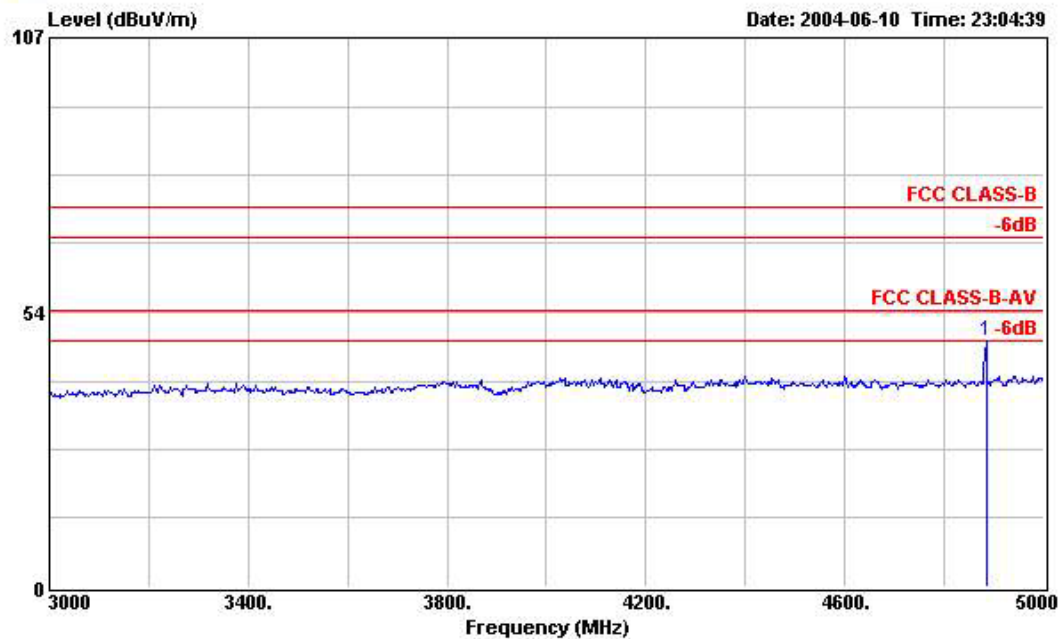
Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	2390.000	42.41	-31.59	74.00	53.69	28.14	1.72	41.14	Peak	100	21
2	2390.000	21.50	-32.50	54.00	32.78	28.14	1.72	41.14	Average	100	21
3 X	2440.000	88.72			99.85	28.27	1.77	41.17	Peak	100	78
4 X	2440.000	67.07			78.20	28.27	1.77	41.17	Average	100	78
5	2484.000	40.28	-33.72	74.00	51.27	28.39	1.82	41.20	Peak	100	21
6	2484.000	21.80	-32.20	54.00	32.79	28.39	1.82	41.20	Average	100	21

Remark: The "X" represent a fundamental frequency.

FCC TEST REPORT

Report No. : F460202-A

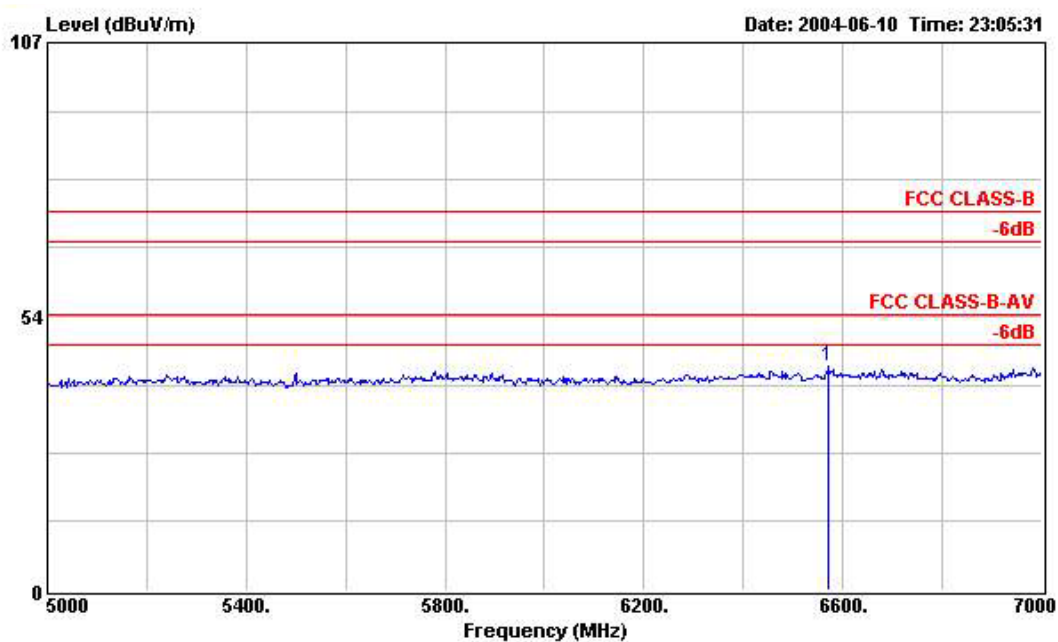


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	4884.000	47.85	-26.15	74.00	54.42	33.37	2.51	42.45	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

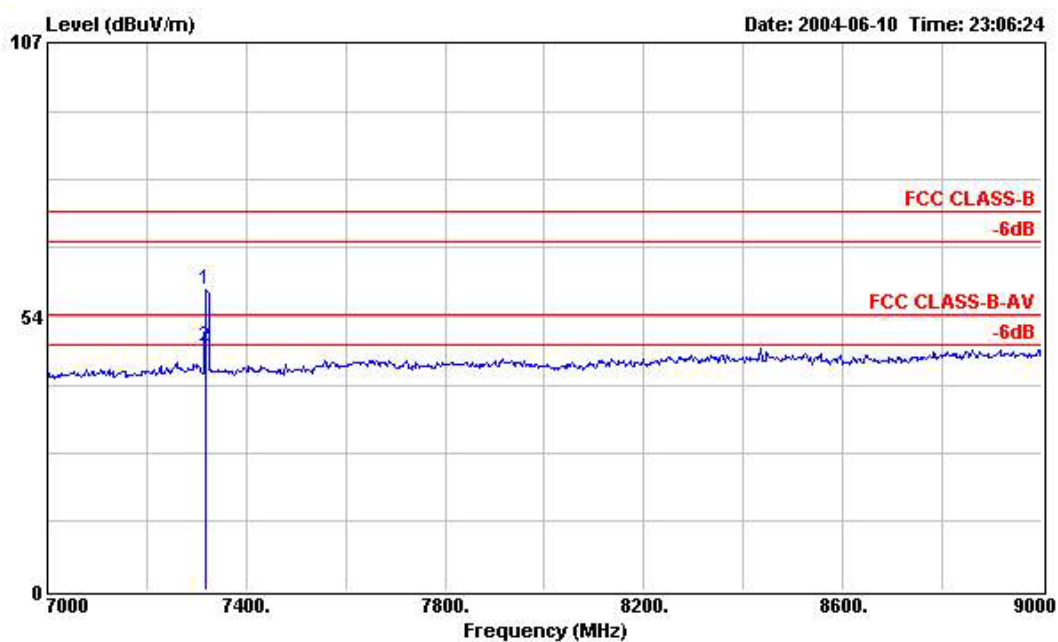


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
		Limit	Line							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 6572.000	43.60	-30.40	74.00	48.94	34.73	3.18	43.25	Peak	---	---

FCC TEST REPORT

Report No. : F460202-A

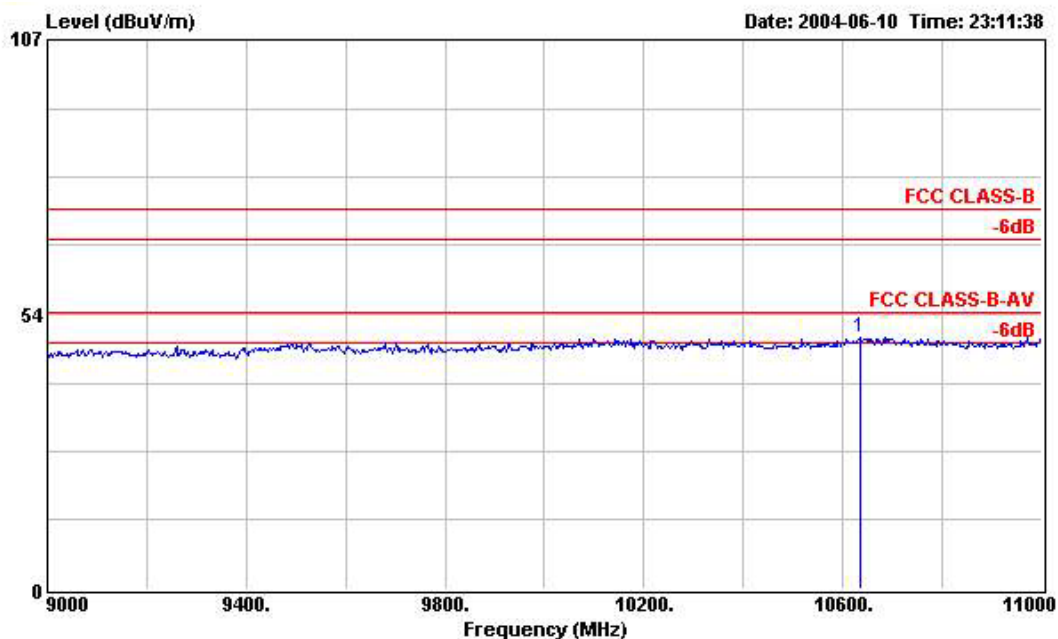


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	7318.000	58.65	-15.35	74.00	61.97	36.29	2.99	42.60	Peak	100	334
2	7318.000	47.60	-6.40	54.00	50.92	36.29	2.99	42.60	Average	100	334

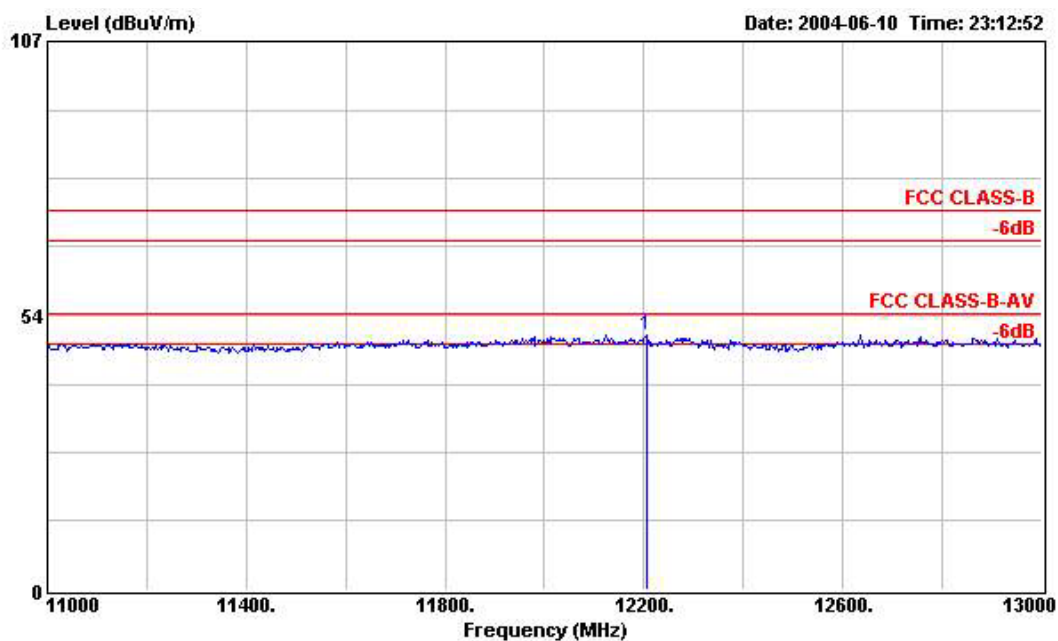
FCC TEST REPORT

Report No. : F460202-A



Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
		Limit	Line							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 10636.000	48.97	-25.03	74.00	44.84	39.41	4.09	39.37	Peak	---	---



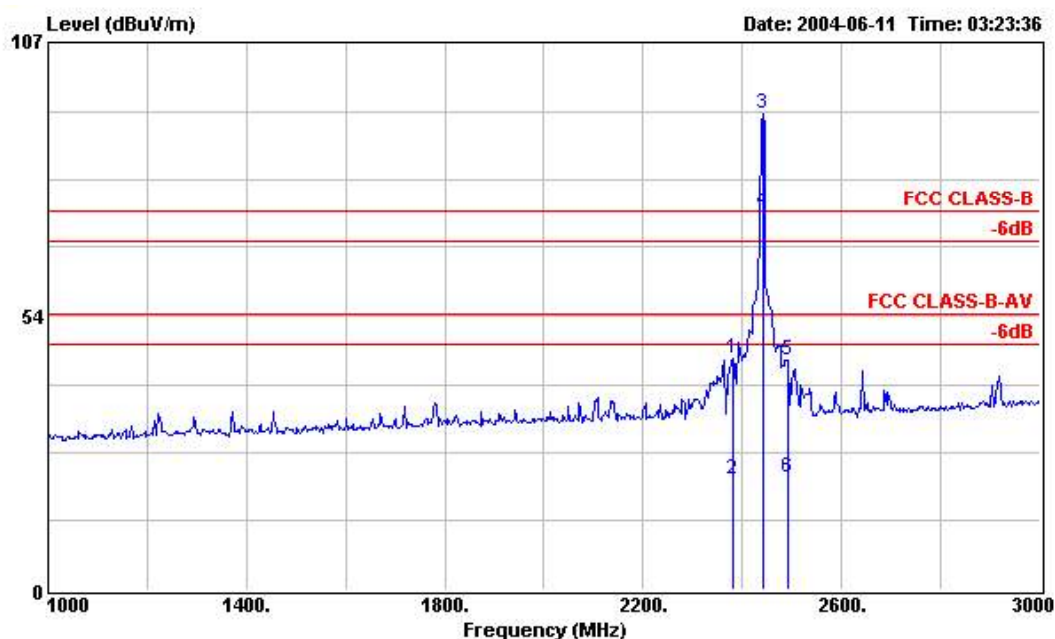
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Memo : LM610
Host TX 2441MHz (CH:39)

Freq	Level	Over Limit		Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant	Table
		Limit	Line						Pos	Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 12204.000	49.84	-24.16	74.00	46.42	39.13	4.41	40.12	Peak	---	---

- Remark: Frequency from 12204MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.

FCC TEST REPORT

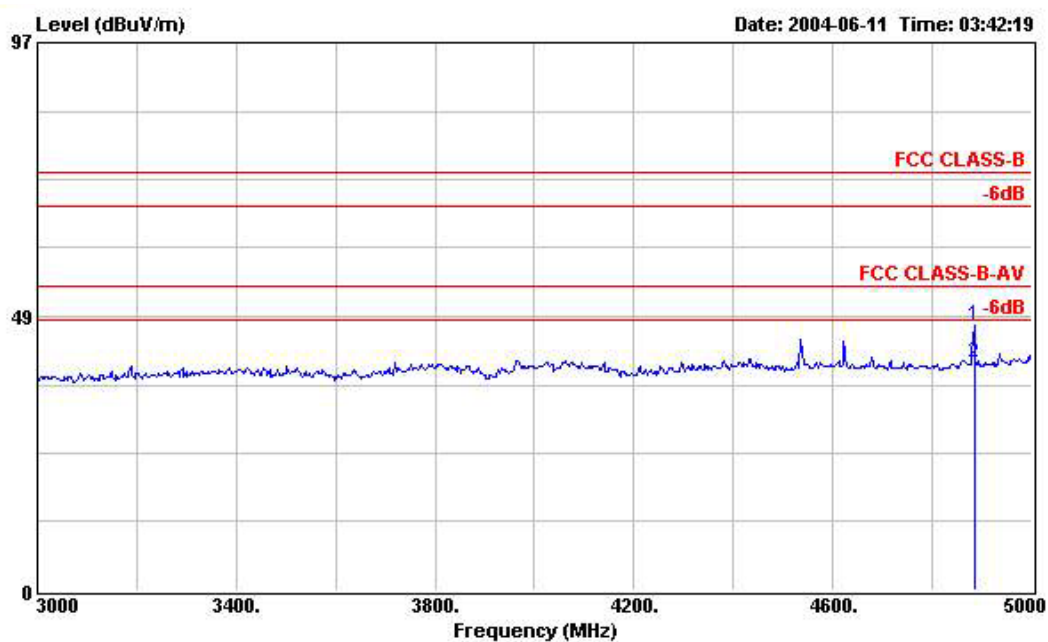
Report No. : F460202-A



Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	2380.000	45.01	-28.99	74.00	56.32	28.11	1.71	41.13	Peak	---	---
2	2380.000	21.54	-32.46	54.00	32.85	28.11	1.71	41.13	Average	100	19
3 X	2442.000	93.02			104.14	28.28	1.77	41.17	Peak	---	---
4 X	2442.000	74.00			85.12	28.28	1.77	41.17	Average	103	19
5	2492.000	44.74	-29.26	74.00	55.70	28.41	1.83	41.20	Peak	---	---
6	2492.000	21.72	-32.28	54.00	32.68	28.41	1.83	41.20	Average	100	41

Remark: The "X" represent a fundamental frequency.

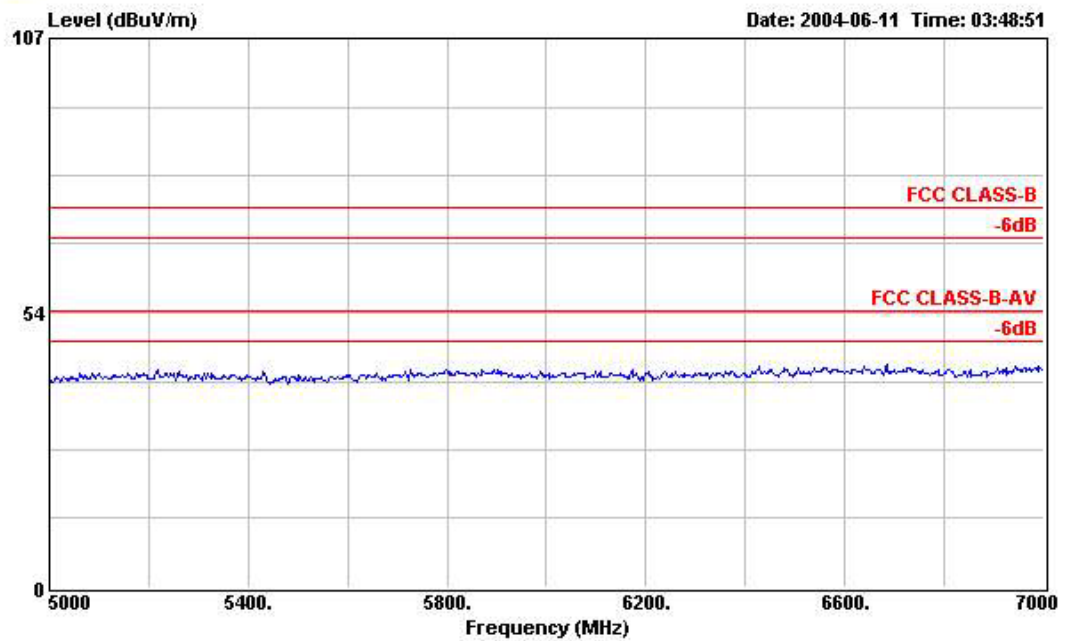


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	4884.000	46.82	-27.18	74.00	53.39	33.37	2.51	42.45	Peak	---	---
2	4884.000	40.26	-13.74	54.00	46.83	33.37	2.51	42.45	Average	100	74

FCC TEST REPORT

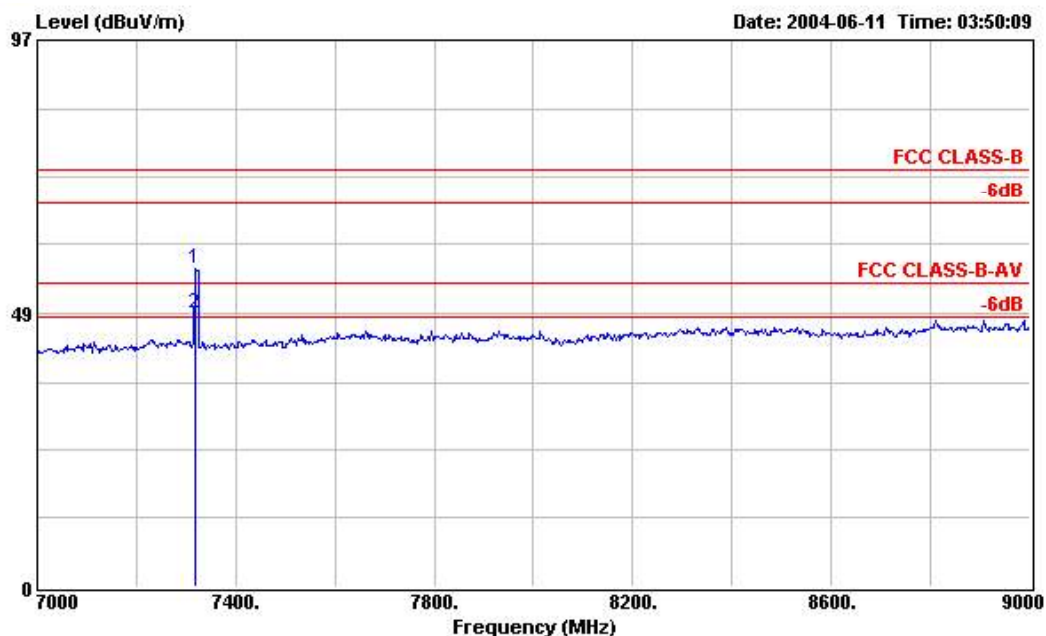
Report No. : F460202-A



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Memo : LM610
Host TX 2441MHz (CH:39)

FCC TEST REPORT

Report No. : F460202-A

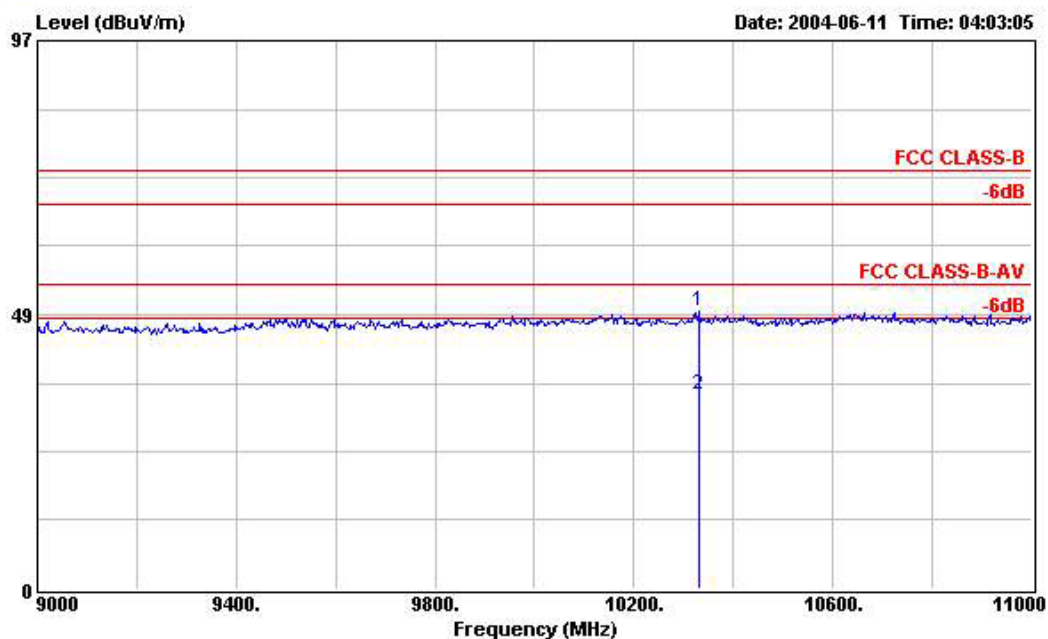


Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
		Limit	Line							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	7318.000	56.51	-17.49	74.00	59.83	36.29	2.99	42.60	Peak	---
2	7318.000	48.52	-5.48	54.00	51.84	36.29	2.99	42.60	Average	125 70

FCC TEST REPORT

Report No. : F460202-A



Site : 03CH03-HY
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
 EUT : 2.4G Hopping Host
 Power : 120V/60Hz
 Memo : LM610
 Host TX 2441MHz (CH:39)

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	10332.000	48.98	-25.02	74.00	45.09	39.31	4.01	39.43	Peak	---	---
2	10332.000	34.38	-19.62	54.00	30.49	39.31	4.01	39.43	Average	100	25