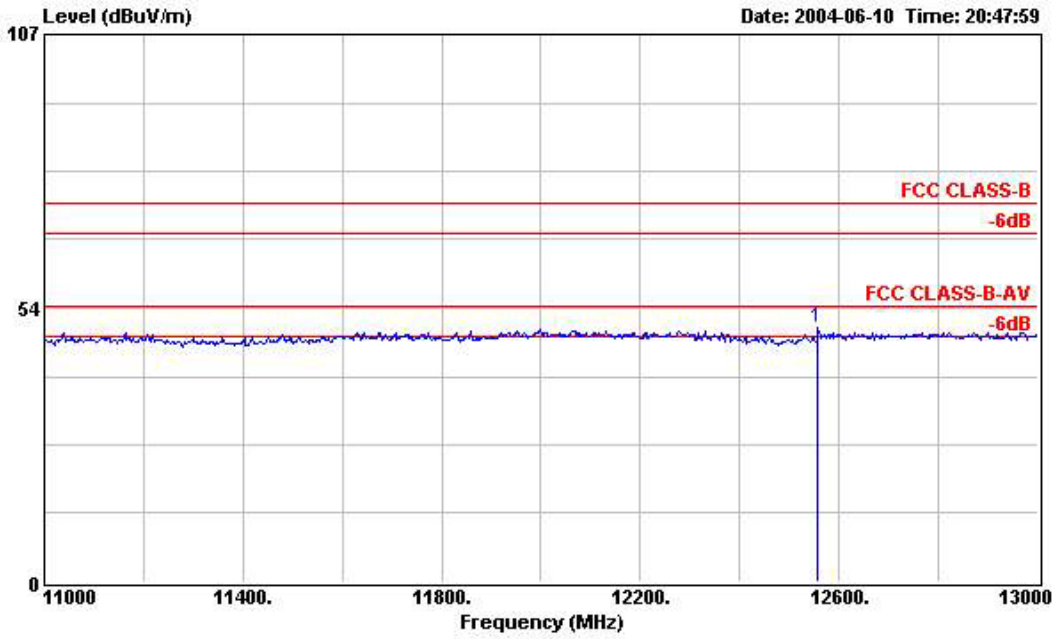
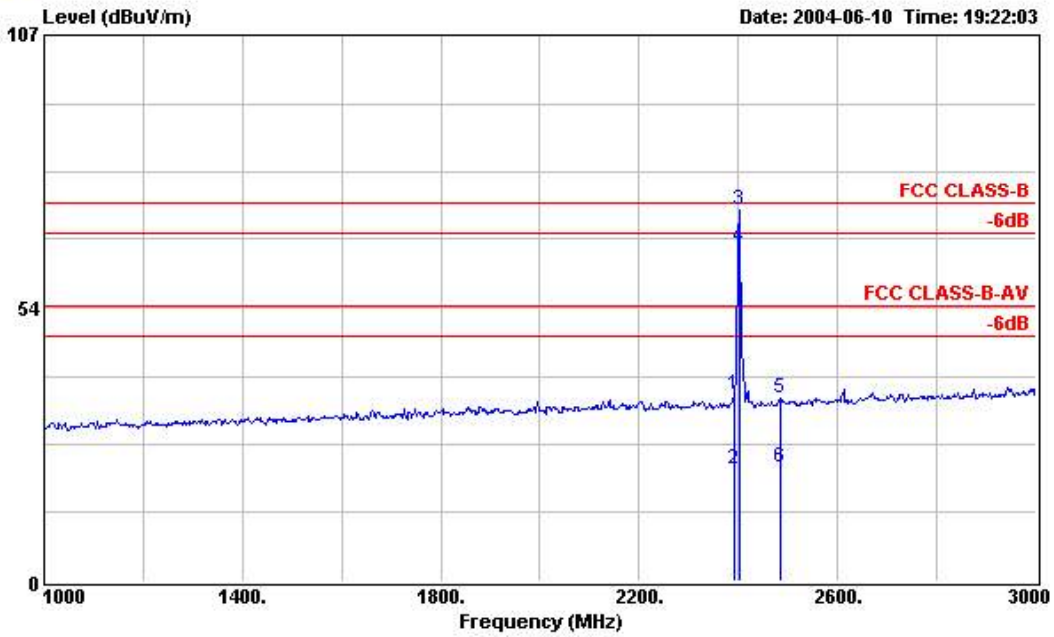


Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2402MHz (ch:00)

	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	12558.000	49.73	-24.27	74.00	47.00	38.97	4.68	40.92	Peak	---	---

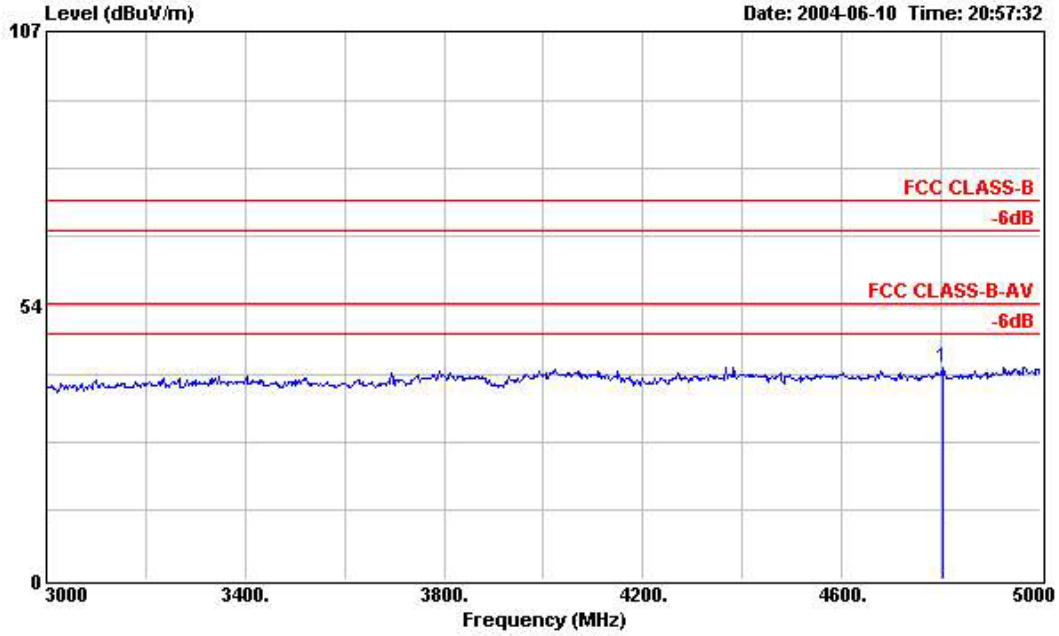
- Remark: Frequency from 12558MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2402MHz (ch:00)

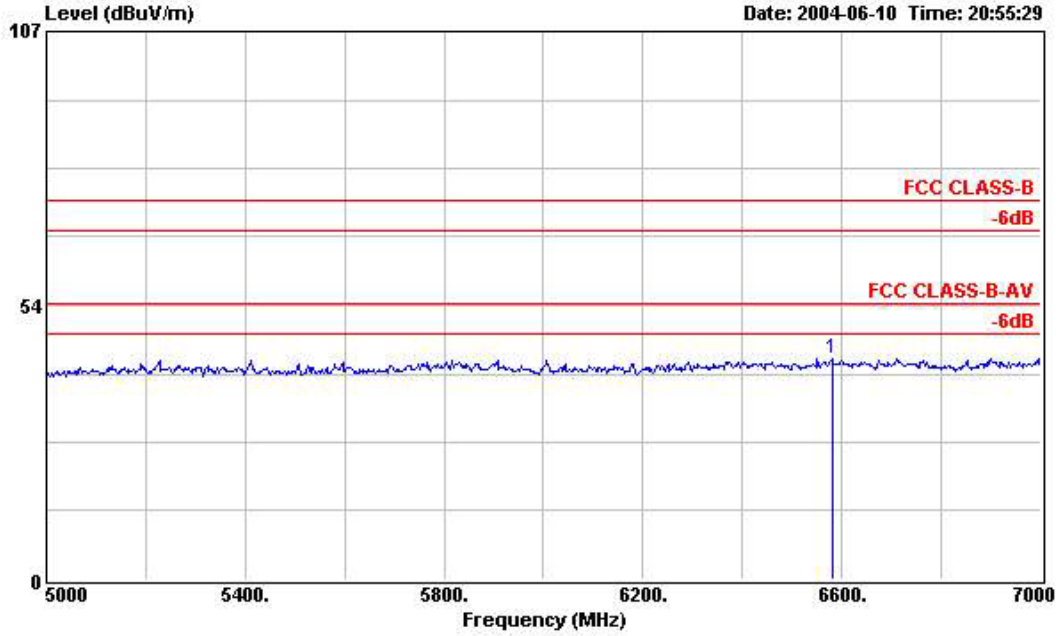
		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1		2390.000	36.45	-37.55	74.00	47.73	28.14	1.72	41.14	Peak	100	178
2		2390.000	21.87	-32.13	54.00	33.15	28.14	1.72	41.14	Average	100	178
3	!	2404.000	72.71			83.95	28.18	1.73	41.15	Peak	100	125
4	X	2404.000	65.25			76.49	28.18	1.73	41.15	Average	100	125
5		2484.000	35.85	-38.15	74.00	46.84	28.39	1.82	41.20	Peak	100	178
6		2484.000	22.10	-51.90	74.00	33.09	28.39	1.82	41.20	QP	100	178

Remark: The “X” represent a fundamental frequency.



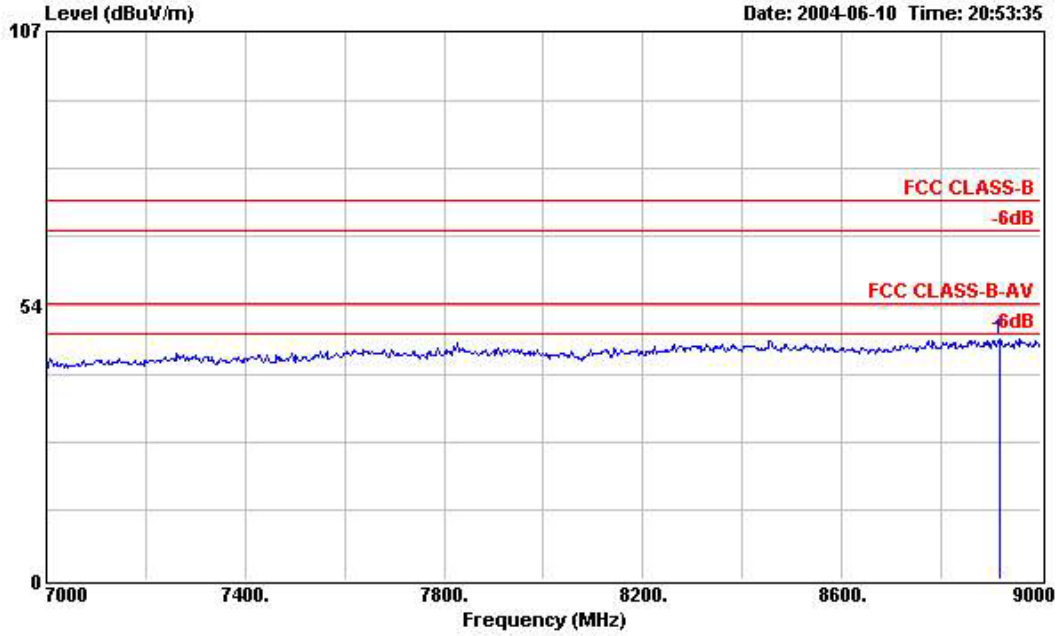
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2402MHz (ch:00)

	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	4804.000	41.40	-32.60	74.00	48.15	33.19	2.40	42.34	Peak	---	---



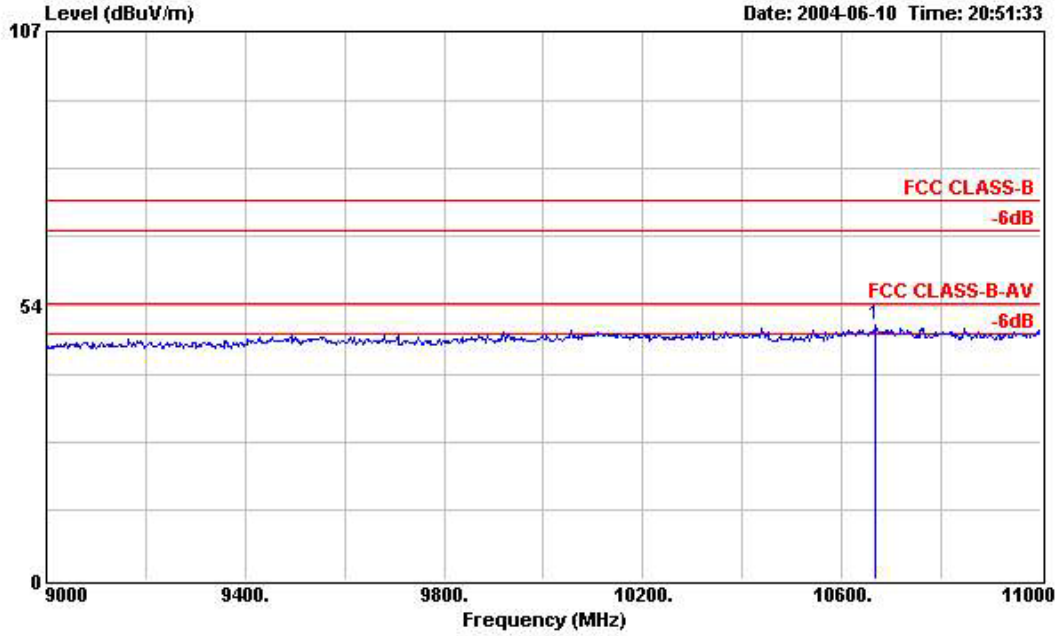
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2402MHz (ch:00)

	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	6580.000	43.24	-30.76	74.00	48.57	34.74	3.17	43.24	Peak	---	---



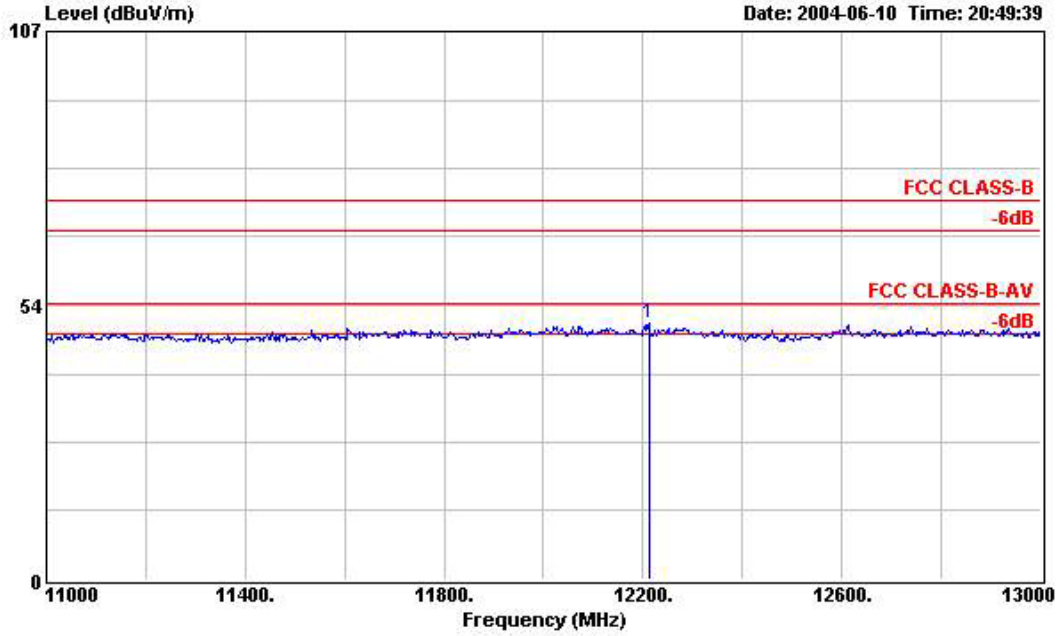
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2402MHz (ch:00)

	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	8918.000	46.79	-27.21	74.00	46.39	38.15	3.25	41.00	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device 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	10668.000	49.57	-24.43	74.00	45.35	39.40	4.18	39.36	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device 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	12212.000	49.86	-24.14	74.00	46.44	39.12	4.44	40.14	Peak	---	---

- Remark: Frequency from 12212MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.

■ Field strength of fundamental and harmonics

Frequency (MHz)	Polarity	Antenna Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Preamp Factor (dB)	Limits (dBuV/m)	Emission (dBuV/m)	Margin (dB)	Detect Mode
2404.000	H	28.18	1.73	45.47	41.15	-	75.38	-	Peak
2404.000	H	28.18	1.73	38.33	41.15	-	68.24	-	AV
2404.000	V	28.18	1.73	42.80	41.15	-	72.71	-	Peak
2404.000	V	28.18	1.73	35.34	41.15	-	65.25	-	AV
4806.000	H	33.20	2.41	7.59	42.34	74.00	43.20	-30.80	Peak
12558.000	H	38.97	4.68	6.08	40.92	74.00	49.73	-24.27	Peak
4804.000	V	33.19	2.40	5.81	42.34	74.00	41.40	-32.60	Peak
12212.000	V	39.12	4.44	6.30	40.14	74.00	49.86	-24.14	Peak
7206.000	V/H	-	-	-	-	-	-	-	AV/Peak
9608.000	V/H	-	-	-	-	-	-	-	AV/Peak
14412.000	V/H	-	-	-	-	-	-	-	AV/Peak
16814.000	V/H	-	-	-	-	-	-	-	AV/Peak
19216.000	V/H	-	-	-	-	-	-	-	AV/Peak
21618.000	V/H	-	-	-	-	-	-	-	AV/Peak
24020.000	V/H	-	-	-	-	-	-	-	AV/Peak

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

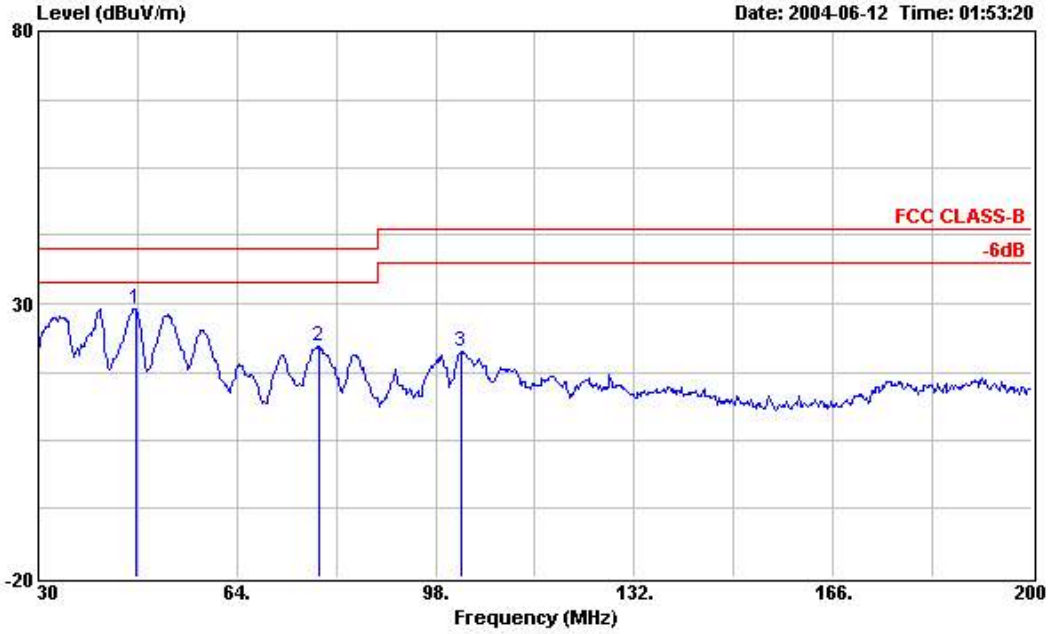
Test Engineer : Jay

Jay

- 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

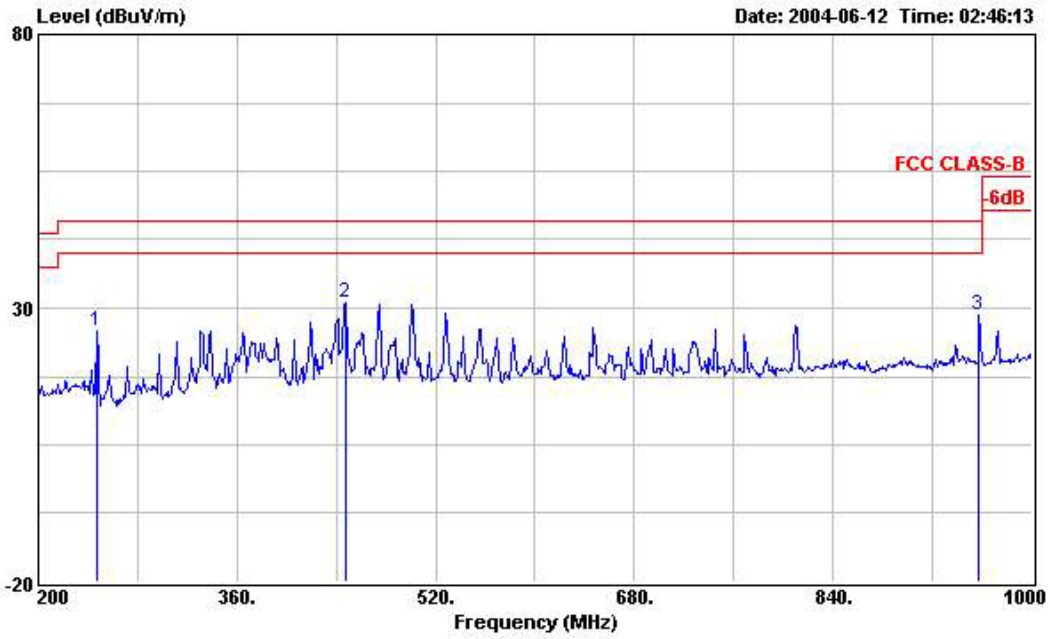
The test that passed at the minimum margin was marked by the frame in the following test record

- Spurious Emission



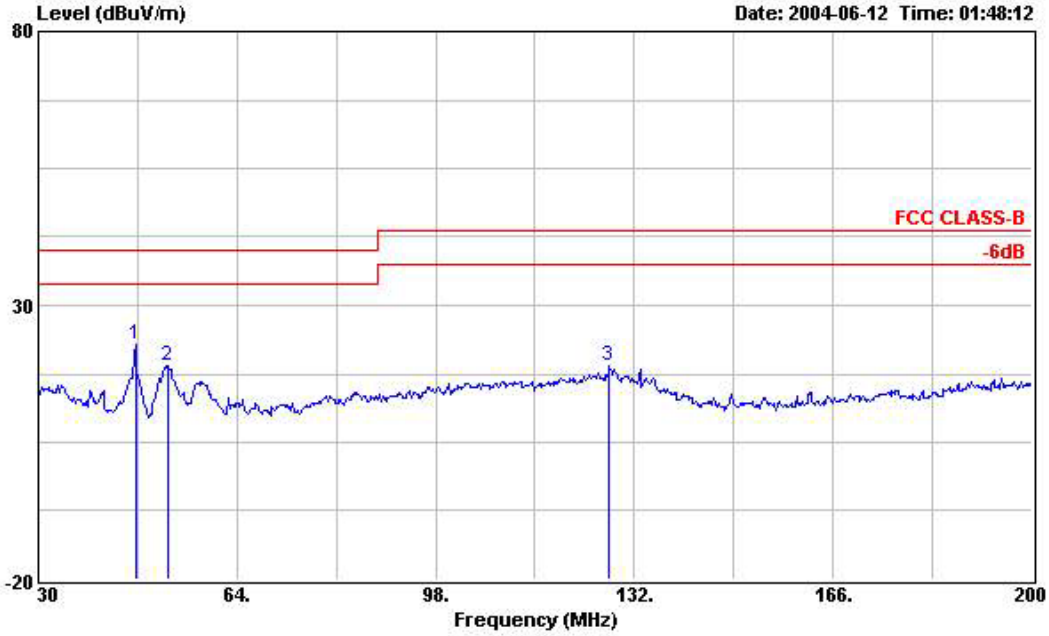
Site : 03CH03-HY
Condition : FCC CLASS-B 3m BIC-9124--301 VERTICAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Model : LM610
Memo : Device TX 2441MHz (CH:39)

	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	---	---



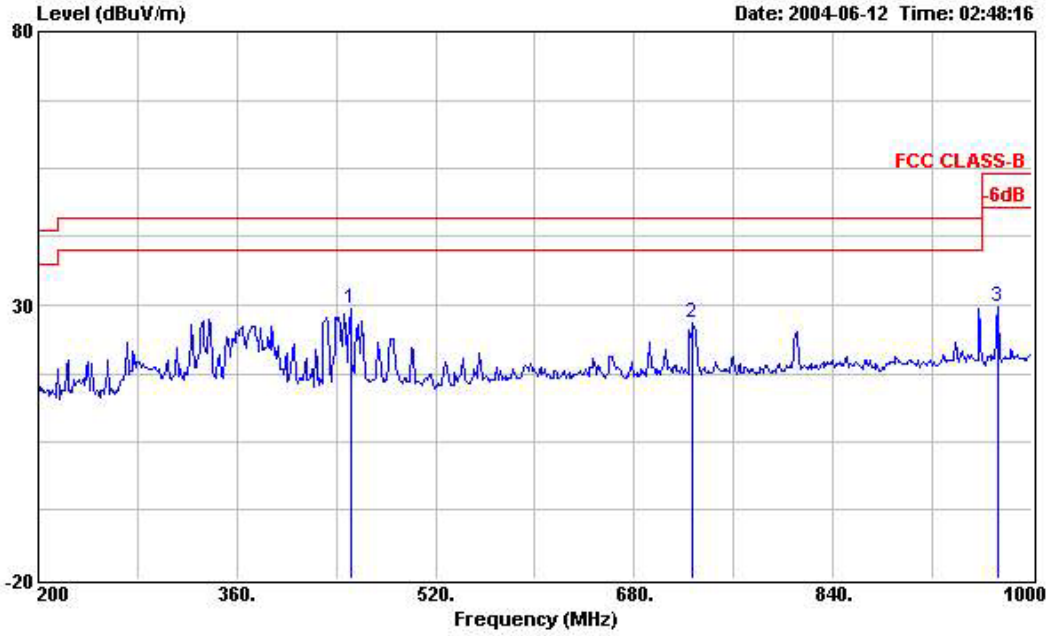
Site : 03CH03-HY
Condition : FCC CLASS-B 3m LOG-9111-221 VERTICAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Model : LM610
Memo : Device TX 2441MHz (CH:39)

	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	---	---



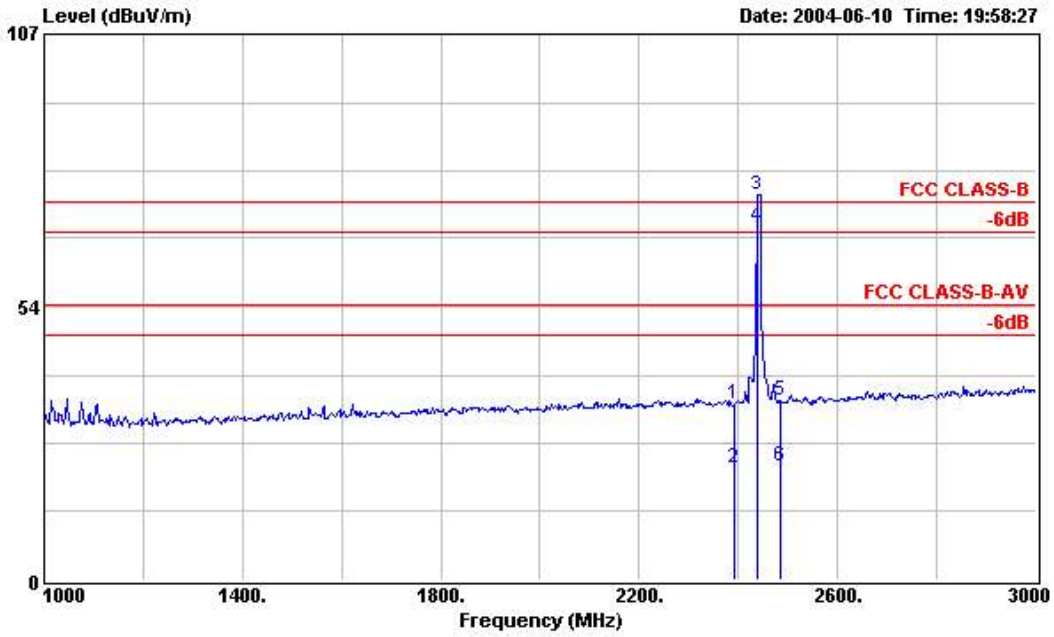
Site : 03CH03-HY
Condition : FCC CLASS-B 3m BIC-9124--301 HORIZONTAL
EUT : 2.4G Hopping Host
Power : 120V/60Hz
Model : LM610
Memo : Device TX 2441MHz (CH:39)

	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	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	---	---



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

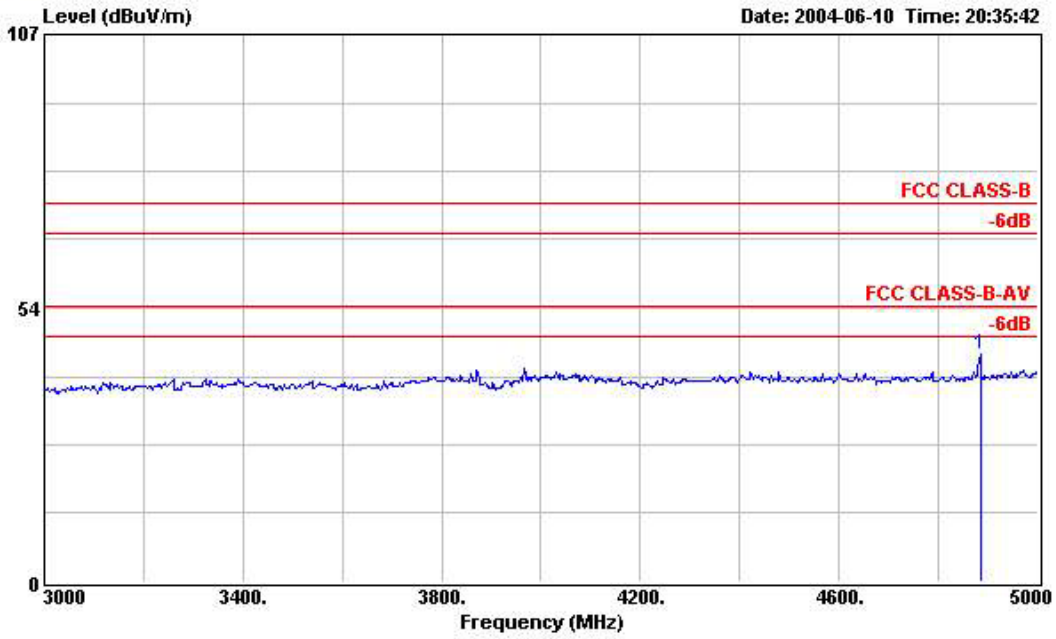
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	451.200	29.48	-16.52	46.00	39.83	16.56	1.35	28.26	Peak	---	---
2	727.200	26.64	-19.36	46.00	33.98	19.91	1.48	28.73	Peak	---	---
3	972.800	29.80	-24.20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



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

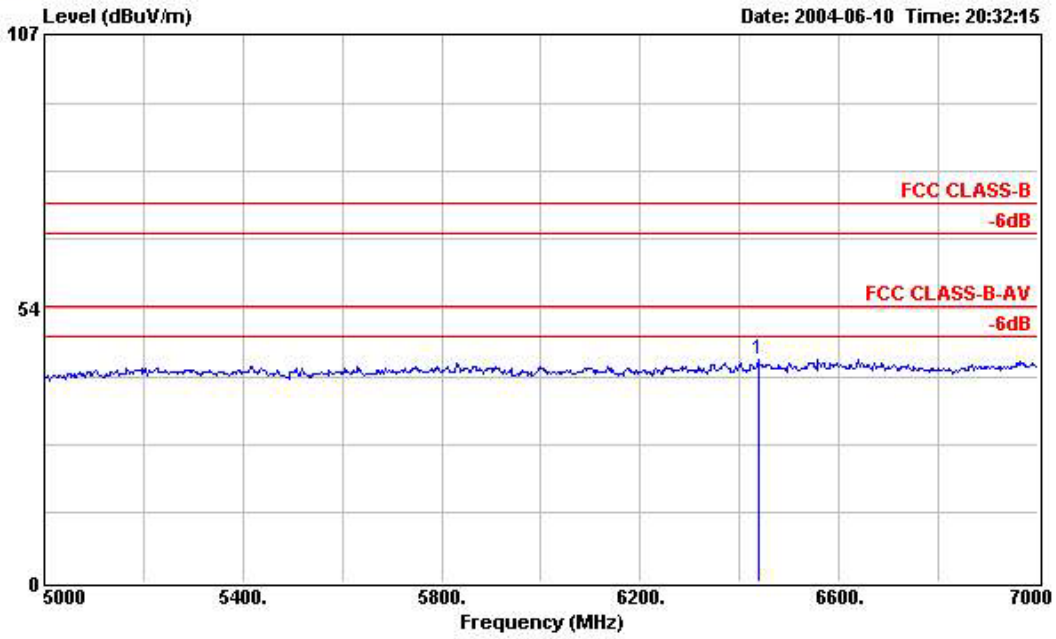
		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1		2390.000	34.37	-39.63	74.00	45.65	28.14	1.72	41.14	Peak	100	132
2		2390.000	21.80	-32.20	54.00	33.08	28.14	1.72	41.14	Average	100	132
3	X	2438.000	75.38			86.52	28.27	1.76	41.17	Peak	100	80
4	X	2438.000	69.25			80.39	28.27	1.76	41.17	Average	100	80
5		2484.000	35.08	-38.92	74.00	46.07	28.39	1.82	41.20	Peak	100	132
6		2484.000	22.25	-31.75	54.00	33.24	28.39	1.82	41.20	Average	100	132

Remark: The “X” represent a fundamental frequency.



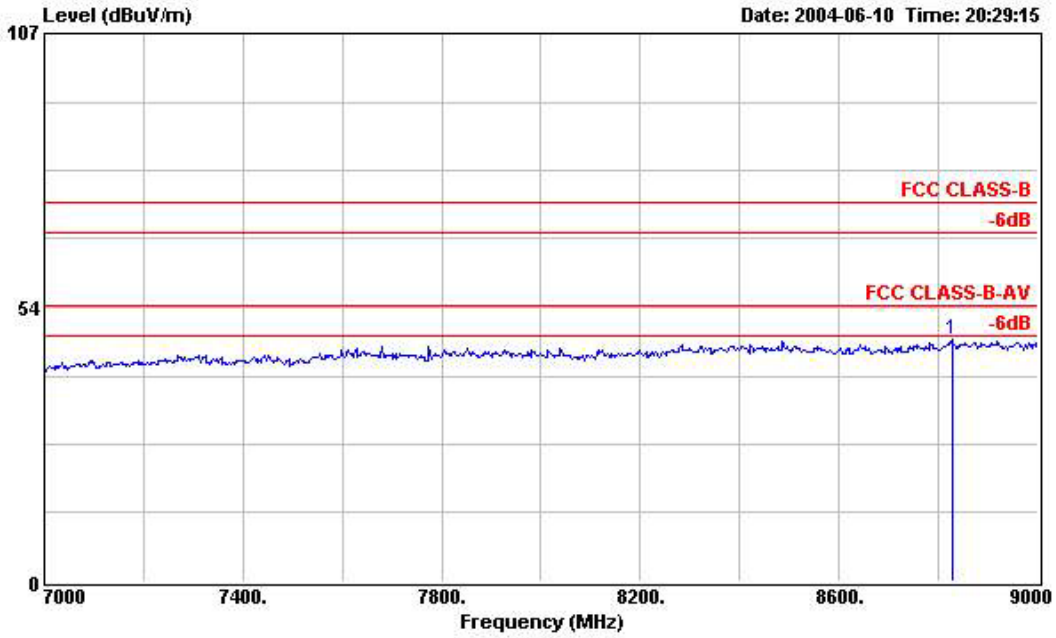
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	44.61	-29.39	74.00	51.18	33.37	2.51	42.45	Peak	---	---



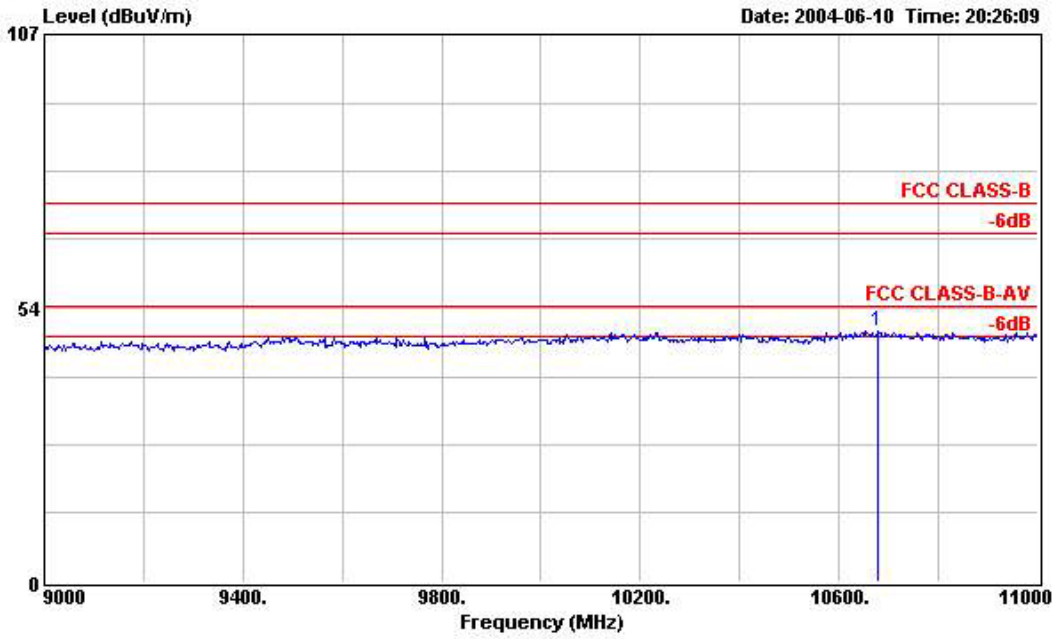
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	6438.000	43.31	-30.69	74.00	49.13	34.60	2.88	43.30	Peak	---	---



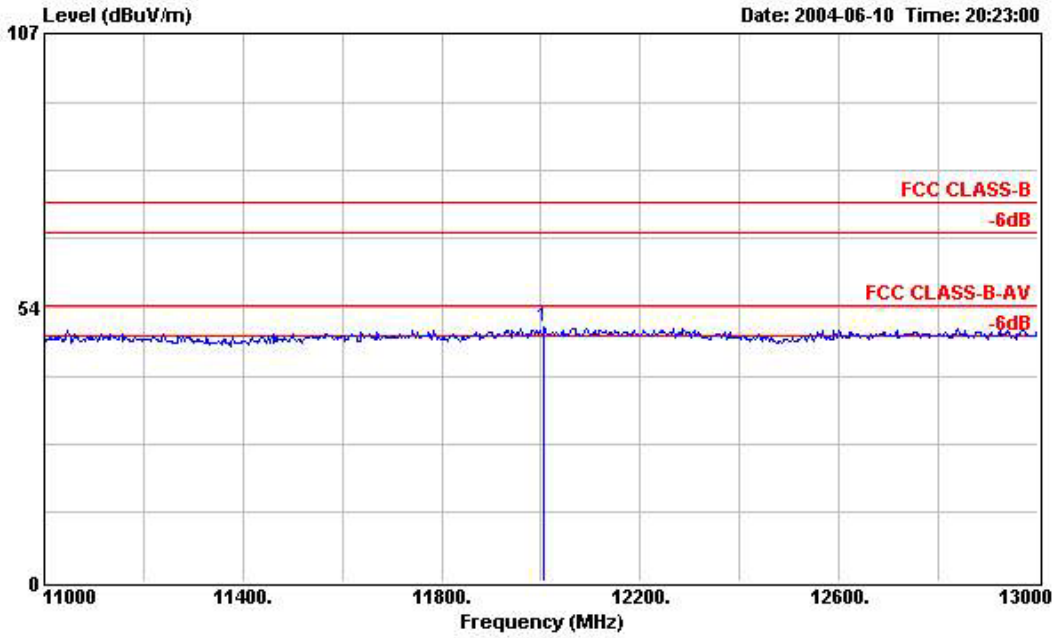
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	8828.000	47.28	-26.72	74.00	46.90	38.10	3.40	41.12	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

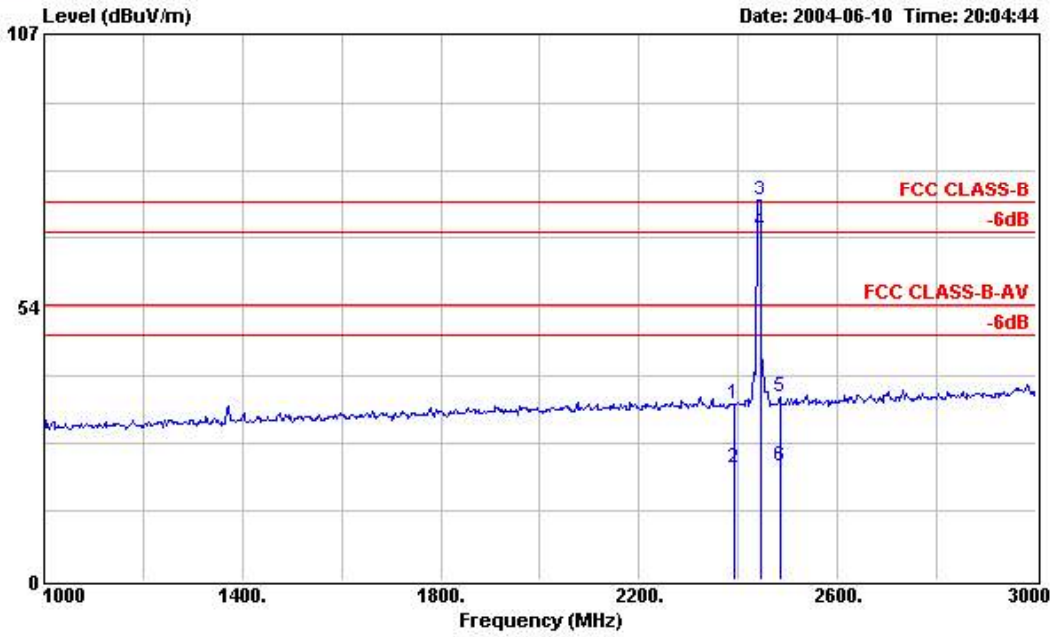
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	10678.000	48.90	-25.10	74.00	44.66	39.39	4.21	39.36	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device 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	12006.000	49.69	-24.31	74.00	45.63	39.29	4.41	39.64	Peak	---	---

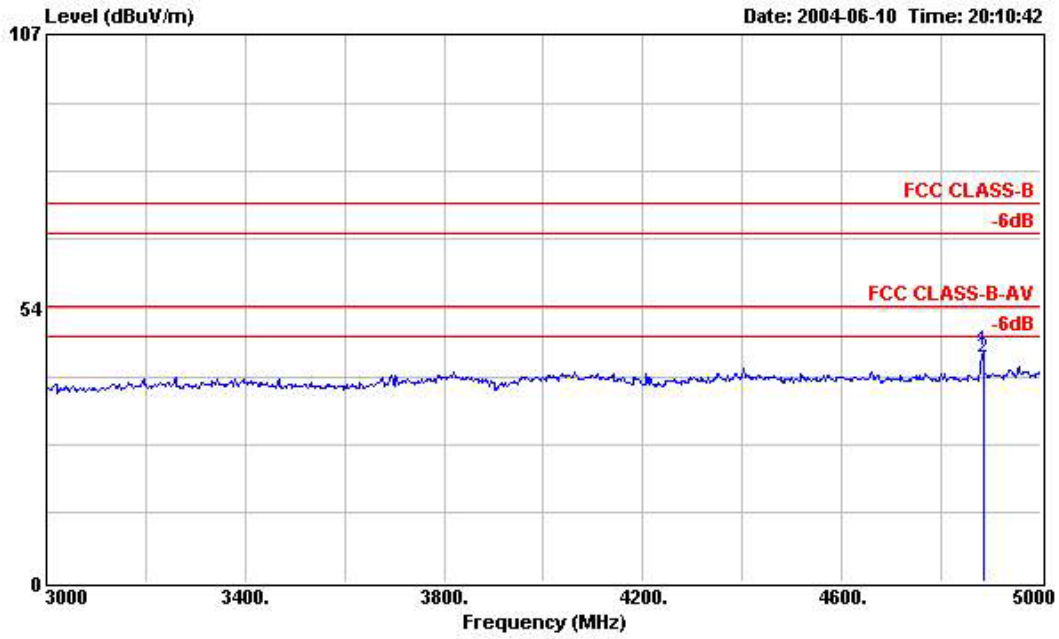
- Remark: Frequency from 12006MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

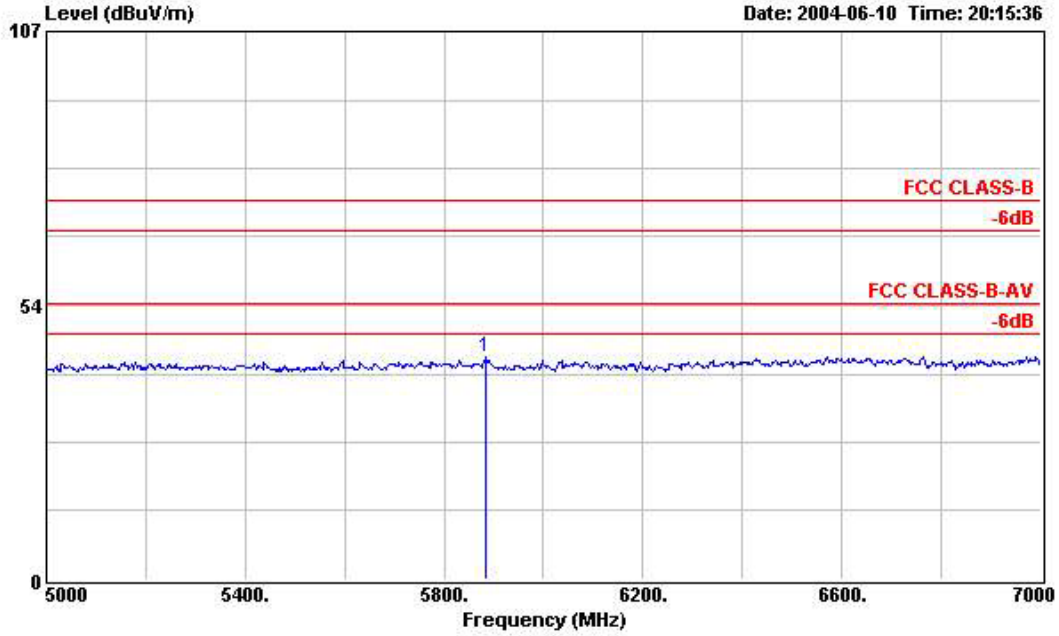
		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1		2390.000	34.44	-39.56	74.00	45.72	28.14	1.72	41.14	Peak	100	124
2		2390.000	21.78	-32.22	54.00	33.06	28.14	1.72	41.14	Average	100	124
3	X	2444.000	74.45			85.57	28.28	1.77	41.17	Peak	100	90
4	X	2444.000	67.96			79.08	28.28	1.77	41.17	Average	100	90
5		2484.000	35.69	-38.31	74.00	46.68	28.39	1.82	41.20	Peak	100	136
6		2484.000	22.32	-31.68	54.00	33.31	28.39	1.82	41.20	Average	100	136

Remark: The “X” represent a fundamental frequency.



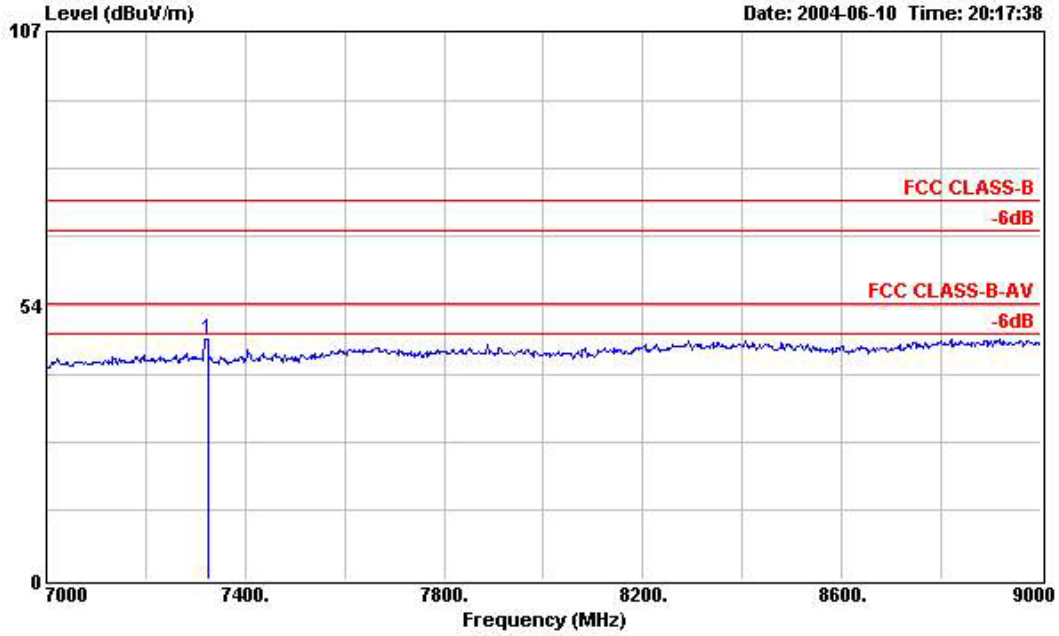
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	45.04	-28.96	74.00	51.61	33.37	2.51	42.45	Peak	100	99
2	4884.000	43.65	-10.35	54.00	50.22	33.37	2.51	42.45	Average	100	99



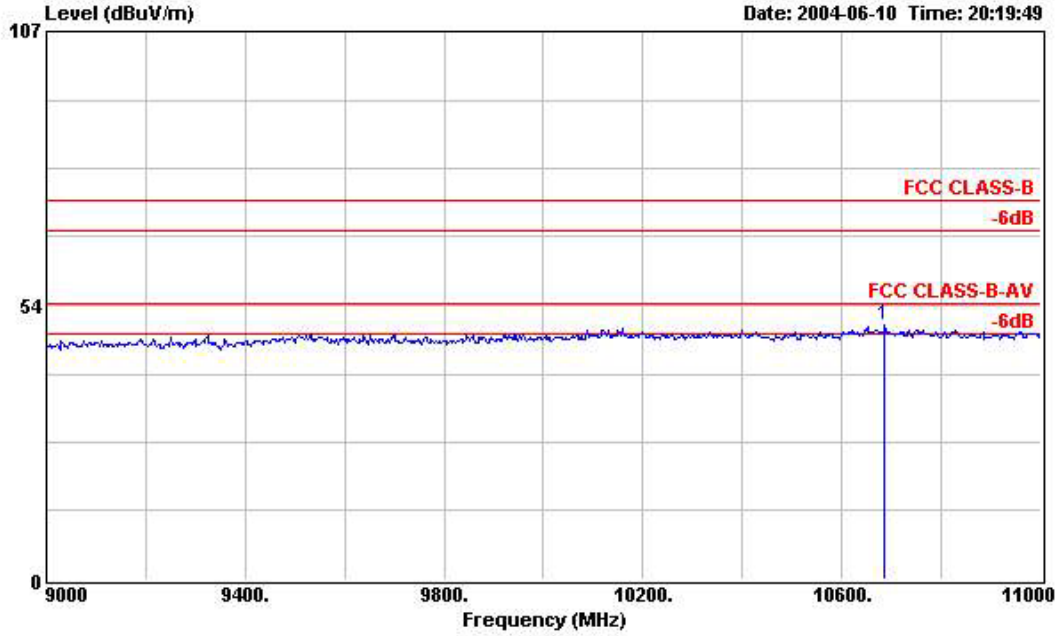
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	5884.000	43.52	-30.48	74.00	49.39	34.56	2.83	43.26	Peak	---	---



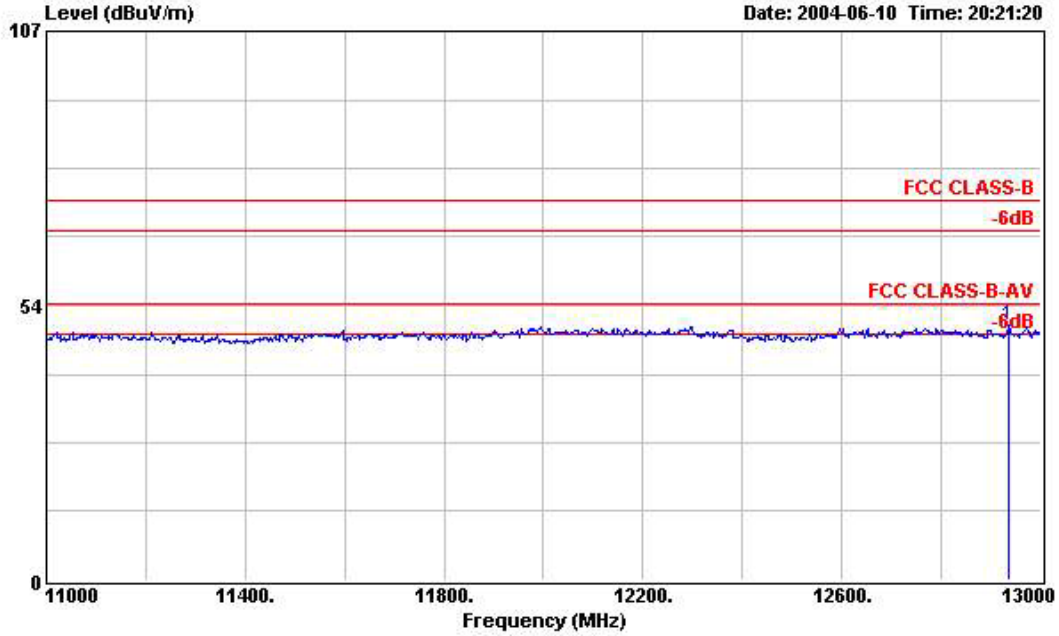
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device TX 2441MHz (ch:39)

	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	7324.000	46.84	-27.16	74.00	50.26	36.30	2.88	42.60	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device 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	10686.000	49.72	-24.28	74.00	45.47	39.38	4.23	39.36	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL
EUT : 2.4G Hopping Host
Power : DC 6V
Model : LM610
Memo : Device 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	12934.000	49.61	-24.39	74.00	47.07	39.34	4.80	41.60	Peak	---	---

- Remark: Frequency from 12934MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.