Test Report

Product Name	ErgoMedia 823 Laser
Model No.	GK-070007/R
FCC ID	FSUGMZI3

Applicant	KYE SYSTEMS CORP. (Genius)
Address	No. 492, Sec. 5, Chung Hsin Rd., San Chung, Taipei Hsien, 24160, Taiwan, R. O. C.

Date of Receipt	July 18, 2007
Issued Date	Aug. 30, 2007
Report No.	077259R-RFUSP07V01-B

Test Report Certification

Issued Date: Aug. 30, 2007
Report No.: 077259R-RFUSP07V01-B

Product Name	ErgoMedia 823 Laser
Applicant	KYE SYSTEMS CORP. (Genius)
Address	No. 492, Sec. 5, Chung Hsin Rd., San Chung, Taipei Hsien, 24160, Taiwan, R. O. C.
Manufacturer	KYE SYSTEMS CORP. (Genius)
Model No.	GK-070007/R
Rated Voltage	AC 120V/60Hz
Working Voltage	DC 5V (Power by PC)
Trade Name	Genius
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2006 ANSI C63.4: 2003 NVLAP Lab Code: 200533-0
Test Result	Complied

Test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.
This report must not be used to claim product endorsement by NVLAP any agency of the U.S. Government

Documented By : Genie chang
(Engineering Adm. Specialist / Genie Chang)

Tested By : Molin huang
(Engineer /Molin Huang)

Approved By : Gene chang
(President / Gene Chang)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	ErgoMedia 823 Laser
Trade Name	Genius
Model No.	GK-070007/R
FCC ID	FSUGMZI3
Frequency Range	2402~2480MHz
Channel Control	Manual
Channel Separation	3MHz
Antenna Gain	-3dBi
Channel Number	16
Type of Modulation	GFSK
Antenna Type	Printed

Frequency of Each Channel

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402MHz	Channel 01	2405MHz	Channel 02	2408MHz	Channel 03	2411MHz
Channel 04	2425MHz	Channel 05	2428MHz	Channel 06	2431MHz	Channel 07	2434MHz
Channel 08	2448MHz	Channel 09	2451MHz	Channel 10	2454MHz	Channel 11	2457MHz
Channel 12	2471MHz	Channel 13	2474MHz	Channel 14	2477MHz	Channel 15	2480MHz

Note:

1. The EUT is a ErgoMedia 823 Laser with a built-in 2.4GHz transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
4. These tests are conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.249 for spread spectrum devices.
5. Part 15 Subpart B compliance for spread spectrum devices is shown on the report no. 077259R-RFUSP01V02.
6. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

1.2. Operational Description

The EUT is 2.4GHz Wireless Receiver built-in 2.4GHz transceiver. The operation frequency is from 2402 MHz to 2480MHz with GFSK modulation. The signal will be transmitted through 2.4 GHz RF signal from the Printed on PCB antenna from EUT to receiver. DC 5V(via USB) shall be provided for EUT operation.

Test Mode	Mode 1: Transmitter

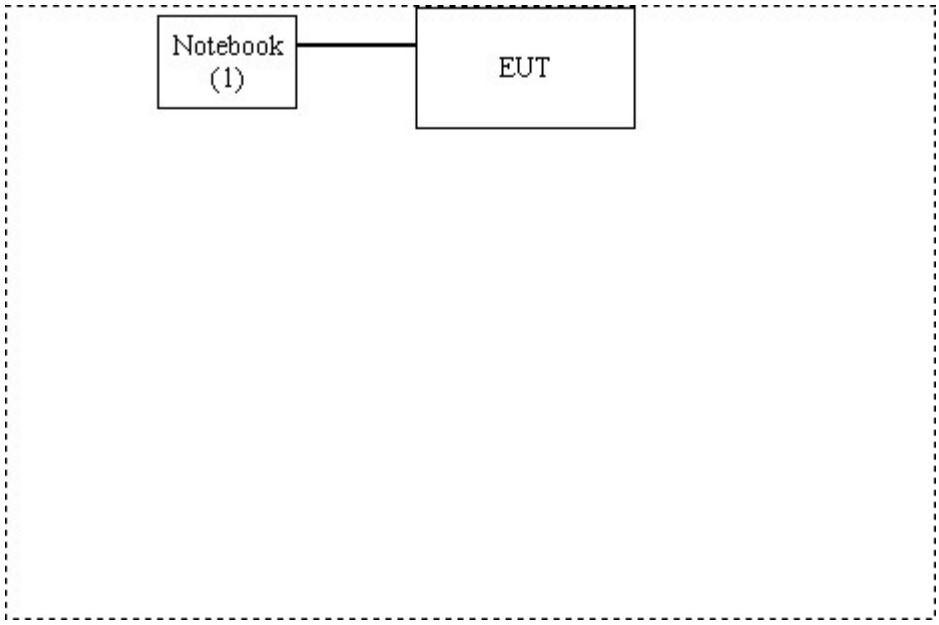
1.3. Tested System Datails

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	PPT	N/A	Non-Shielded, 1.8m

Signal Cable Type		Signal cable Description
A	USB Cable	Non-Shielded, 1.2m

1.4. Configuration of Test System



1.5. EUT Exercise Software

1	Setup the EUT and display as shown on 1.5.
2	Turn on the power of all equipment.
3	The EUT will start to operate.
4	The EUT will continuously transmit the radio signal.
5	Repeat the above procedure (3) to (4)

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

Site Description: File on
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
Reference 31040/SIT1300F2

Accreditation on NVLAP
NVLAP Lab Code: 200533-0

Site Name: Quietek Corporation
Site Address: No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen,
Lin-Kou Shiang, Taipei,
Taiwan, R.O.C.
TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

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FCC Accreditation Number: TW1014

2. Conducted Emission

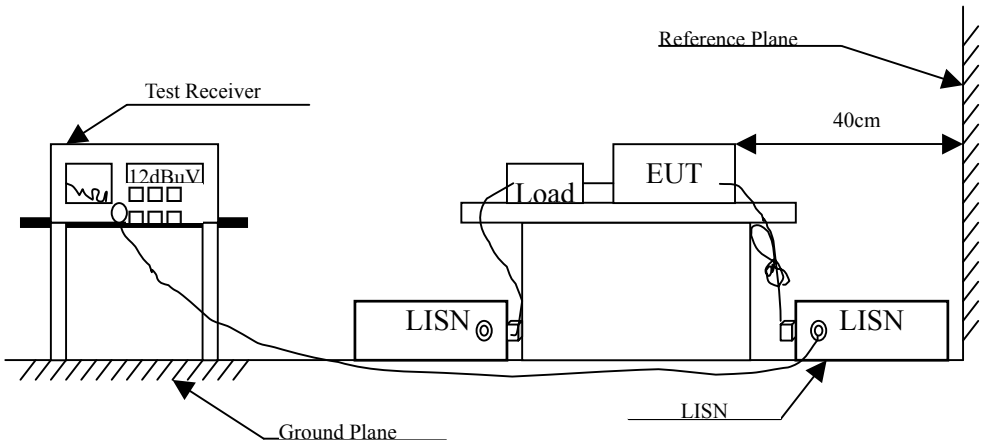
2.1. Test Equipment

The following test equipment are used during the conducted emission test:

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/17	May, 2007	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2007	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2007	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2007	
5	No.1 Shielded Room			N/A	

Note: All instruments are calibrated every one year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56(註)	56-46(註)
0.50-5.0	56	46
5.0 - 30	60	50

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : ErgoMedia 823 Laser
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 1: Transmitter

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
LINE 1					
Quasi-Peak					
0.170	0.621	38.330	38.951	-26.478	65.429
0.228	0.450	29.800	30.250	-33.521	63.771
0.283	0.300	30.490	30.790	-31.410	62.200
0.394	0.300	21.470	21.770	-37.259	59.029
1.982	0.340	29.860	30.200	-25.800	56.000
3.228	0.380	31.160	31.540	-24.460	56.000
Average					
0.170	0.621	30.720	31.341	-24.088	55.429
0.228	0.450	22.800	23.250	-30.521	53.771
0.283	0.300	25.260	25.560	-26.640	52.200
0.394	0.300	18.130	18.430	-30.599	49.029
1.982	0.340	23.990	24.330	-21.670	46.000
3.228	0.380	19.730	20.110	-25.890	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : ErgoMedia 823 Laser
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 1: Transmitter (2437MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
LINE 2					
Quasi-Peak					
0.170	0.300	36.620	36.920	-28.509	65.429
0.223	0.300	30.250	30.550	-33.364	63.914
0.287	0.300	24.430	24.730	-37.356	62.086
0.341	0.304	27.370	27.674	-32.869	60.543
0.396	0.310	22.830	23.140	-35.831	58.971
1.920	0.350	25.880	26.230	-29.770	56.000
Average					
0.170	0.300	29.210	29.510	-25.919	55.429
0.223	0.300	26.070	26.370	-27.544	53.914
0.287	0.300	19.500	19.800	-32.286	52.086
0.341	0.304	22.280	22.584	-27.959	50.543
0.396	0.310	16.560	16.870	-32.101	48.971
1.920	0.350	16.830	17.180	-28.820	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “ “ means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3. Radiated Emission

3.1. Test Equipment

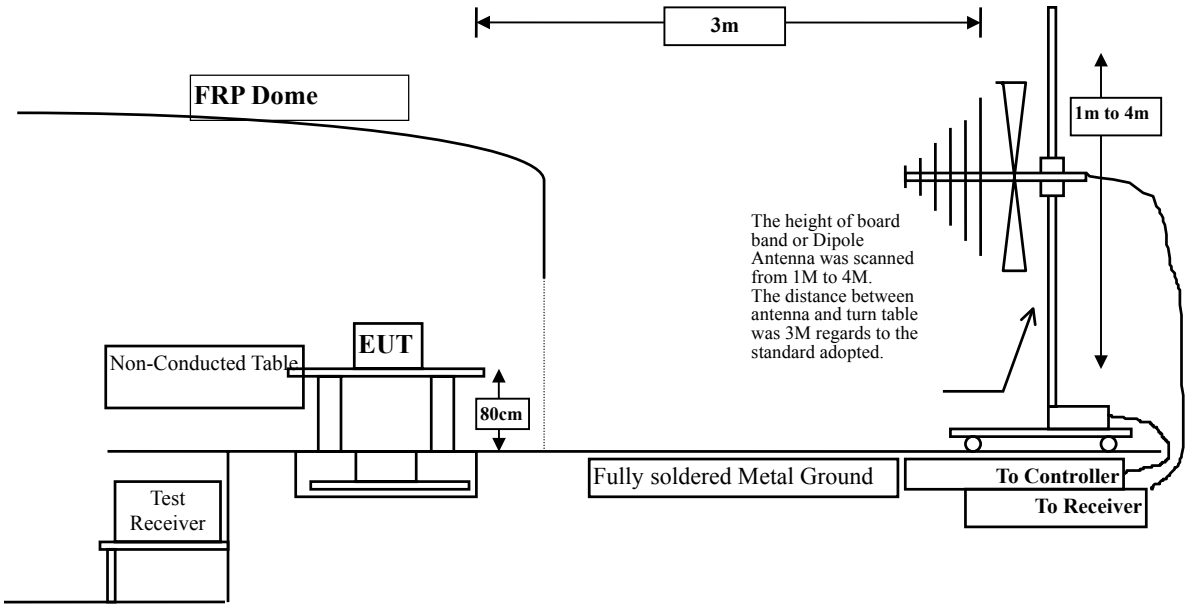
The following test equipment are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☐Site # 1		Test Receiver	R & S	ESVS 10 / 834468/003	May, 2007
		Spectrum Analyzer	Advantest	R3162/ 00803480	May, 2007
		Pre-Amplifier	Advantest	BB525C/ 3307A01812	May, 2007
		Bilog Antenna	SCHAFFNER	CBL6112B / 2697	Sep., 2006
☐Site # 2		Test Receiver	R & S	ESCS 30 / 836858 / 022	May, 2007
		Spectrum Analyzer	Advantest	R3162 / 100803466	May, 2007
		Pre-Amplifier	Advantest	BB525C/3307A01814	May, 2007
		Bilog Antenna	SCHAFFNER	CBL6112B / 2705	May, 2007
		Horn Antenna	ETS	3115 / 0005-6160	Sep., 2006
		Pre-Amplifier	QTK	QTK-AMP-01/ 0001	May, 2007
☒Site # 3	X	Test Receiver	R & S	ESI 26 / 838786/004	May, 2007
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007
	X	Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2007
	X	Horn Antenna	Schwarzbeck	BBHA9120D / 305, 306	July, 2007
	X	Horn Antenna	Schwarzbeck	BBHA9170 / 208, 209	July, 2007
	X	Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2007
	X	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2007
	X	Pre-Amplifier	HP	8449B / 3008A01123	July, 2007

Note: 1. All equipments are calibrated every one year.

2. Test equipments marked by "X" are used to measure the final test results.

3.2. Test Setup



3.3. Limits

➢ **General Radiated Emission Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated measurement.
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.
The frequency range from 30MHz to 10th harminics is checked.

3.5. Uncertainty

± 3.9 dB above 1GHz
± 3.8 dB below 1GHz

3.6. Test Result of Radiated Emission

Product : ErgoMedia 823 Laser
Test Item : Fundamental Radiated Emission
Test Site : No.3OATS
Test Mode : Mode 1: Transmitter (2402MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
Channel					
2402.000	-1.313	86.832	85.519	-28.481	114.000
Average Detector					
Vertical					
Peak Detector:					
Channel					
2402.000	-1.313	89.645	88.332	-25.668	114.000
Average Detector					

Note:

1. Measurement Level = Reading Level + Correct Factor.
2. Correct Factor = Antenna Factor + Cable Loss – PreAMP.

Product : ErgoMedia 823 Laser
Test Item : Fundamental Radiated Emission
Test Site : No.3OATS
Test Mode : Mode 1: Transmitter (2448MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
Channel					
2448.000	-1.122	85.021	83.899	-30.101	114.000
Average Detector					
Vertical					
Peak Detector:					
Channel					
2448.000	-1.122	89.826	88.704	-25.296	114.000
Average Detector					

Note:

1. Measurement Level = Reading Level + Correct Factor.
2. Correct Factor = Antenna Factor + Cable Loss – PreAMP.

Product : ErgoMedia 823 Laser
Test Item : Fundamental Radiated Emission
Test Site : No.3OATS
Test Mode : Mode 1: Transmitter (2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
Channel					
2480.000	-0.990	86.329	85.339	-28.661	114.000
Average Detector					
Vertical					
Peak Detector:					
Channel					
2480.000	-0.990	89.612	88.622	-25.378	114.000
Average Detector					

Note:

1. Measurement Level = Reading Level + Correct Factor.
2. Correct Factor = Antenna Factor + Cable Loss – PreAMP.

Product : ErgoMedia 823 Laser
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter (2402MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4803.750	5.495	39.149	44.644	-29.326	74.000
7206.000	11.555	33.697	45.251	-28.719	74.000
9608.000	12.412	33.594	46.006	-27.964	74.000
12010.000	18.752	31.647	50.398	-23.572	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4804.000	5.496	44.434	49.930	-24.040	74.000
7206.000	11.555	33.866	45.420	-28.550	74.000
9608.000	12.412	34.207	46.619	-27.351	74.000
12010.000	18.752	31.511	50.262	-23.708	74.000
Average Detector:					
--					

Note:

1. The reading levels below 1GHz and above 1GHz are quasi-peak values and peak/average values, respectively.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz。
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz。
4. Emission Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : ErgoMedia 823 Laser
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter (2448 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4896.000	5.722	38.596	44.318	-29.652	74.000
7344.000	11.667	34.267	45.934	-28.036	74.000
9792.000	12.319	32.414	44.732	-29.238	74.000
12240.000	18.224	30.129	48.353	-25.617	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4896.000	5.722	43.871	49.593	-24.377	74.000
7344.000	11.667	34.349	46.016	-27.954	74.000
9792.000	12.319	33.593	45.911	-28.059	74.000
12240.000	18.224	31.790	50.014	-23.956	74.000
Average Detector:					
--					

Note:

1. The reading levels below 1GHz and above 1GHz are quasi-peak values and peak/average values, respectively.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz。
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz。
4. Emission Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : ErgoMedia 823 Laser
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter (2480 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4960.000	5.895	39.583	45.477	-28.493	74.000
7440.000	11.739	34.823	46.561	-27.409	74.000
9920.000	12.616	33.228	45.843	-28.127	74.000
12400.000	17.499	32.080	49.579	-24.391	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4960.000	5.895	43.402	49.296	-24.674	74.000
7440.000	11.739	35.267	47.005	-26.965	74.000
9920.000	12.616	33.667	46.282	-27.688	74.000
12400.000	17.499	31.193	48.692	-25.278	74.000
Average Detector:					
--					

Note:

1. The reading levels below 1GHz and above 1GHz are quasi-peak values and peak/average values, respectively.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz。
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz。
4. Emission Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : ErgoMedia 823 Laser
Test Item : General Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter (2448 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
240.975	12.077	8.091	20.168	-25.832	46.000
381.625	15.715	13.713	29.428	-16.572	46.000
546.525	20.465	10.919	31.383	-14.617	46.000
677.475	20.860	9.193	30.053	-15.947	46.000
856.925	22.437	12.962	35.399	-10.601	46.000
973.325	23.272	11.650	34.921	-19.079	54.000
Vertical					
381.625	16.688	12.026	28.714	-17.286	46.000
461.650	18.489	7.911	26.400	-19.600	46.000
527.125	18.888	10.271	29.159	-16.841	46.000
687.175	20.372	9.182	29.554	-16.446	46.000
806.000	21.759	9.630	31.389	-14.611	46.000
972.475	22.800	8.533	31.333	-22.667	54.000

Note:

1. The reading levels below 1GHz are quasi-peak values.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

4. Band Edge

4.1. Test Equipment

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Test Receiver	R & S	ESI 26 / 838786/004	May, 2007
X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007
X	Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2007
X	Horn Antenna	Schwarzbeck	BBHA9120D / 305, 306	July, 2007
X	Horn Antenna	Schwarzbeck	BBHA9170 / 208, 209	July, 2007
X	Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2007
X	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2007
X	Pre-Amplifier	HP	8449B / 3008A01123	July, 2007

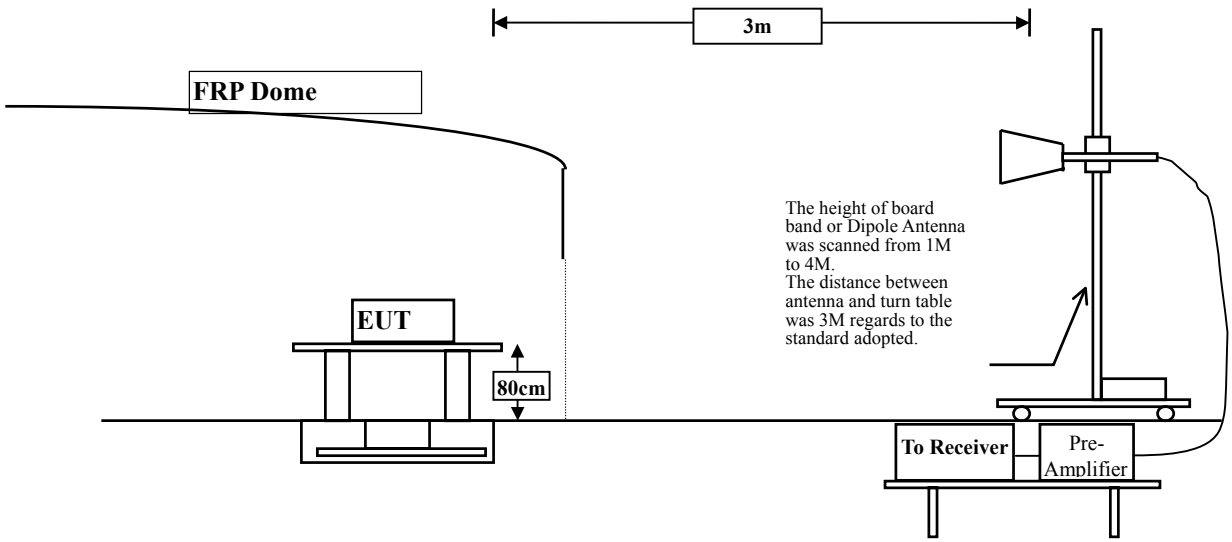
Test Site: Site3

Note: 1. All equipments are calibrated every one year.

2. The test equipments marked by "X" are used to measure the final test results.

4.2. Test Setup

RF Radiated Measurement:



4.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated measurement.
The bandwidth setting below 1GHz and above 1GHz on the field strength meter is 120 kHz and 1MHz, respectively.

4.5. Uncertainty

Conducted is ± 1.27 dB
Radiated is ± 3.9 dB

4.6. Test Result of Band Edge

Product : ErgoMedia 823 Laser
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter

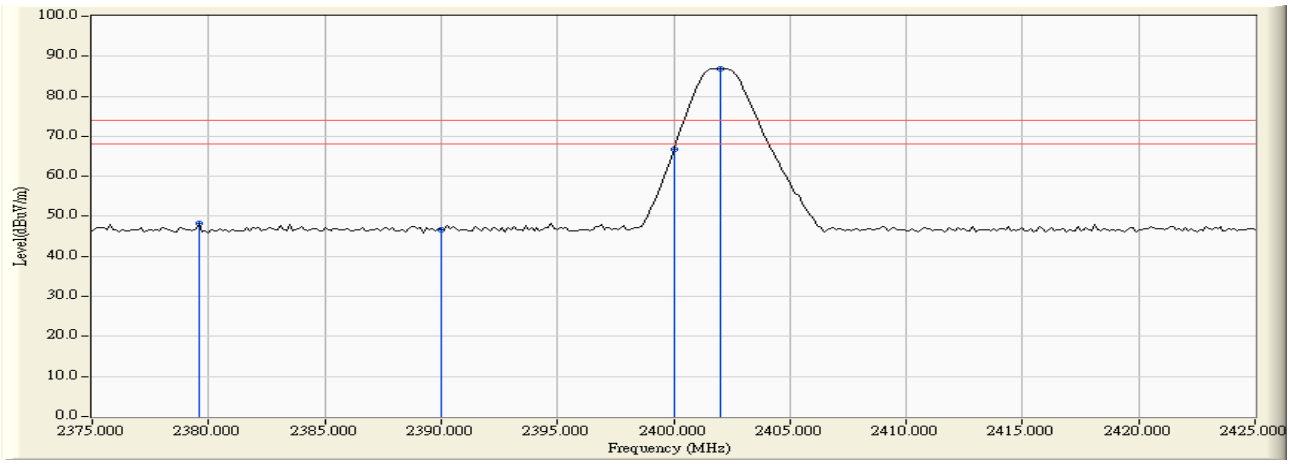
RF Radiated Measurement:

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
00 (Horizontal)	<2400	>20	Pass

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
00 (Peak)	2379.625	-1.421	49.684	48.263	74.00	54.00	Pass
00 (Peak)	2390.000	-1.380	47.954	46.574	74.00	54.00	Pass
00 (Peak)	2400.000	-1.334	68.129	66.795	74.00	54.00	Pass
00 (Peak)	2402.000	-1.325	88.242	86.917	74.00	54.00	Pass
00(Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 00: Horizontal (Peak)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : ErgoMedia 823 Laser
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter

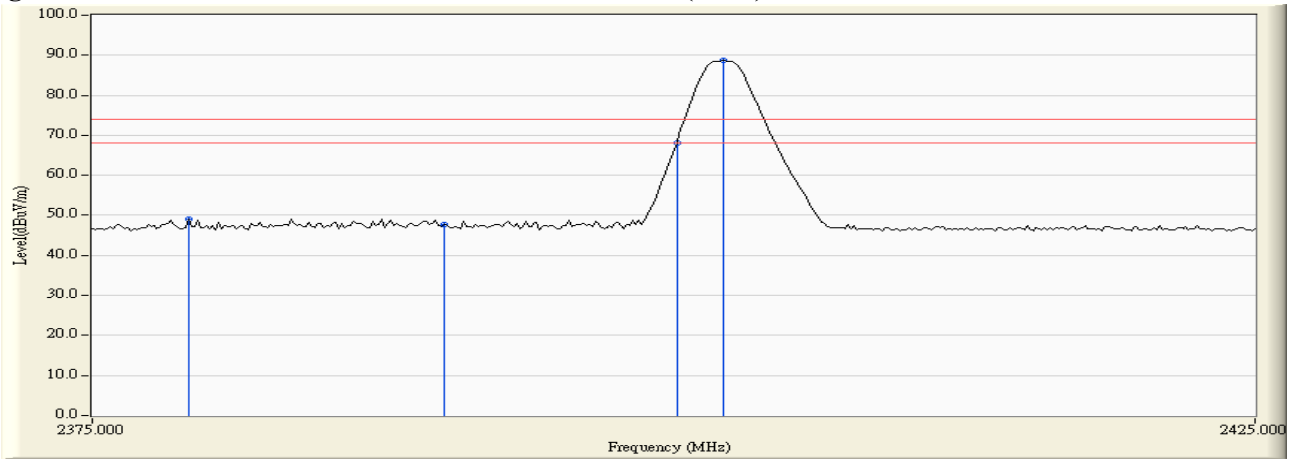
RF Radiated Measurement:

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
00 (Vertical)	<2400	>20	Pass

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
00 (Peak)	2379.125	-1.423	50.514	49.091	74.00	54.00	Pass
00 (Peak)	2390.000	-1.380	48.977	47.597	74.00	54.00	Pass
00 (Peak)	2400.000	-1.334	69.480	68.146	74.00	54.00	Pass
00 (Peak)	2402.000	-1.325	89.934	88.609	74.00	54.00	Pass
00 (Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 00: Vertical (Peak)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : ErgoMedia 823 Laser
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter

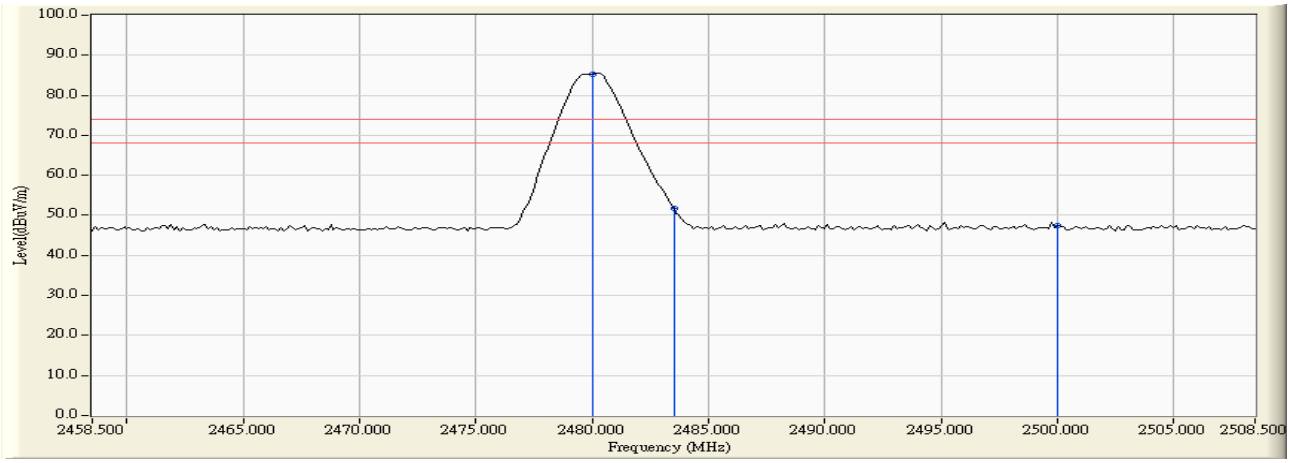
RF Radiated Measurement:

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
15 (Horizontal)	>2483.5	>20	Pass

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
15(Peak)	2480.000	-1.000	86.354	85.354	74.00	54.00	Pass
15(Peak)	2483.500	-0.987	52.821	51.834	74.00	54.00	Pass
15(Peak)	2500.000	-0.942	48.282	47.340	74.00	54.00	Pass
15(Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 15: Horizontal (Peak)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : ErgoMedia 823 Laser
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter

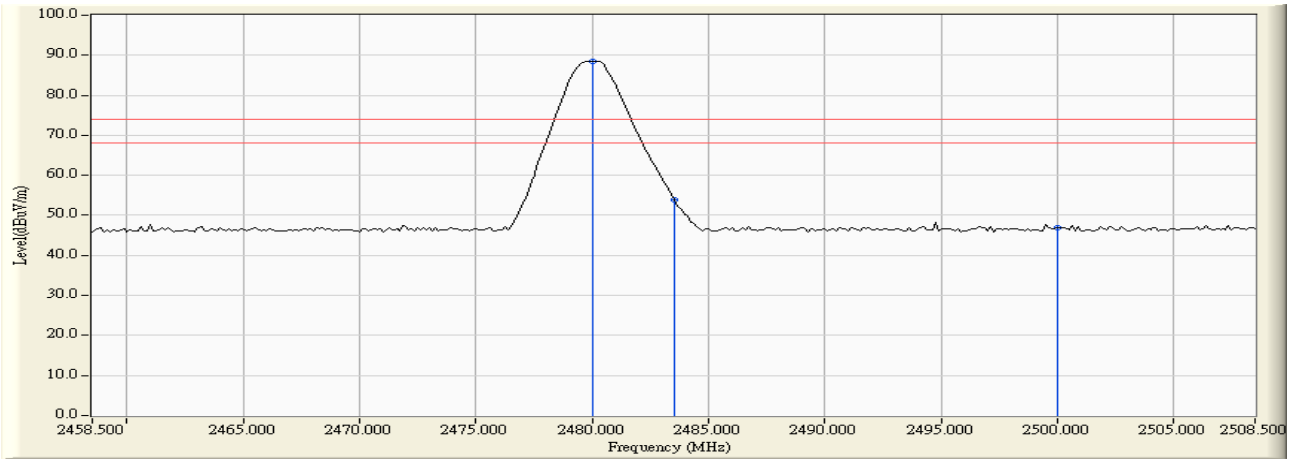
RF Radiated Measurement:

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
15 (Vertical)	>2483.5	>20	Pass

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
15(Peak)	2480.000	-1.000	89.462	88.462	74.00	54.00	Pass
15(Peak)	2483.500	-0.987	54.907	53.920	74.00	54.00	Pass
15(Peak)	2500.000	-0.942	47.781	46.839	74.00	54.00	Pass
15(Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 15: Vertical (Peak)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

5. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs