Advanced
Compliance Laboratory

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ELECTROMAGNETIC EMISSION COMPLIANCE REPORT

of

Product: Cardiobelt
Model No. : CSPU
FCC ID:U6LCPU31

June 20, 2007

This report concerns (check one): Original grant ____ Class II change __x____
Equipment type: Low Power Transmitter

Deferred grant requested per 47 CF 0.457(d)(1)(ii)? yes _____ no __x___
If yes, defer until: _____ (date)
Company agrees to notify the Commission by _____ (date)
of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? yes _____ no __x___
If no, assumed Part 15, Subpart B for unintentional radiators - the new 47 CFR [10-1-90 Edition] provision.

Report prepared for:	Monebo Technologies, Inc.
Report prepared by:	Advanced Compliance Lab
Report number:	0048-070620-01

The test result in this report IS supported and covered by the NVLAP accreditation

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1. TEST RESULT CERTIFICATION

COMPANY NAME: Monebo Technologies, Inc.
1800 Barton Creek blvd
Ausitn, TX 78735 U.S.A.

EUT DESCRIPTION: Cardiobelt

MODEL: CSPU

DATE TESTED: June 1, 2007 to June 10, 2007

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 15 SUBPART C	NO NON-COMPLIANCE NOTED

Advanced Compliance Laboratory, Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: This document reports conditions under which testing was conducted and results of tests performed. This document may not be altered or revised in any way unless done so by Advanced Compliance Laboratory, Inc. (ACL) and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by ACL, Advanced Compliance Laboratory, Inc. will constitute fraud and shall nullify the document.

Approved & Released For ACL By:

Wei Li
Manager
Advanced Compliance Laboratory, Inc.

Tested By:

Edward Lee
EMC Engineer

2. EUT DESCRIPTION

The EUT is a Bluetooth Module operating in the 2402-2480 MHz band.

This RF section of Bluetooth module is electrically identical to its previous version granted by FCC with FCC ID: U6LPU31, the only changes being the electrical and mechanical changes in digital hosting circuitry section that do not change the basic frequency determining and stabilizing circuitry, frequency multiplication stages, basic modulator circuit or maximum power at antenna port. As a result of this modification, the filed strength /spurious emissions and band edge testing has been performed to verify compliance. The other original test results continue to be representative of the changed equipment.

The transmitter has a maximum peak conducted output power at antenna port as follows:

Frequency Range (MHz)	Output Power (dBm)	Output Power (mW)
2402 - 2480	2.12	1.63

The radio utilizes an integral antenna with a maximum gain of 0 dBi.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4/2003, FCC CFR 47 Part 2 and FCC CFR 47 Part 15.

4. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at Somerset, New Jersey, USA The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

ACL is accredited by NVLAP, Laboratory Code 200101-0. The full accreditation can be viewed at http://www.ac-lab.com

NVLAP Lab Code: 200101-0

No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government.

5. CALIBRATION AND UNCERTAINTY

5.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5.2. MEASUREMENT UNCERTAINTY

The estimated uncertainty of the test result is given as following. The method of uncertainty calculation is provided in Advanced Compliance Lab. Doc. No. 0048-01-01.

	Prob. Dist.	Uncertainty(dB)	Uncertainty(dB)	Uncertainty(dB)
		30-1000MHz	1-6.5GHz	Conducted
Combined Std. Uncertainty u_c	norm.	±2.36	±2.99	±1.83

5.3. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Manufacture	Model	Serial No.	Description	Last Cal dd/mm/yy	Cal Due dd/mm/yy
HP	HP8546A	3448A00290	EMI Receiver	12/01/07	12/01/08
HP	E4432B	US38220355	250K-3GHz Signal Generator	17/09/06	17/09/07
R &S	ESPI7	6001	9KHz-7GHz EMI Receiver	15/06/06	15/06/07
EMCO	3104C	9307-4396	20-300MHz Biconical Antenna	12/02/07	12/02/08
EMCO	3146	9008-2860	200-1000MHz Log-Periodic Antenna	09/02/07	09/02/08
Fischer Custom	LISN-2	900-4-0008	Line Impedance Stabilization Networks	23/08/06	23/08/07
Fischer Custom	LISN-2	900-4-0009	Line Impedance Stabilization Networks	23/08/06	23/08/07
EMCO	6502	2665	10KHz-30MHz Active Loop Antenna	27/02/07	27/02/08
EMCO	3115	4945	Double Ridge Guide Horn Antenna	11/08/06	11/08/07
HP	8569B	2607A02802	1GHz-22GHz Spectrum Analyzer	10/02/07	10/02/08
Advantest	R3271	5003583	100Hz-26.5GHz Spectrum Analyzer	30/04/07	30/04/08
HP	E8254A	US42110367	Signal Generator	23/03/07	23/03/08
EMCO	3116	4943	Double Ridge Guide Horn Antenna	11/01/07	11/01/08
Scientific-Atlanta	12A-18	441	Wave Guide Horn Antenna	04/08/06	04/08/07

All Test Equipment Used are Calibrated Traceable to NIST Standards.

6. SETUP OF EQUIPMENT UNDER TEST

SUPPORT EQUIPMENT

n/a

TEST SETUP

The EUT was configured for testing in a typical fashion (as a customer would normally use it with its typical hosting device/enclosure). Its antenna was permanently located on PCB board.
EUT is powered by DC battery when it is in operating mode.

7. APPLICABLE LIMITS AND TEST RESULTS

7.1. Band Edge Compliance

LIMIT

None; for reporting purposes only.

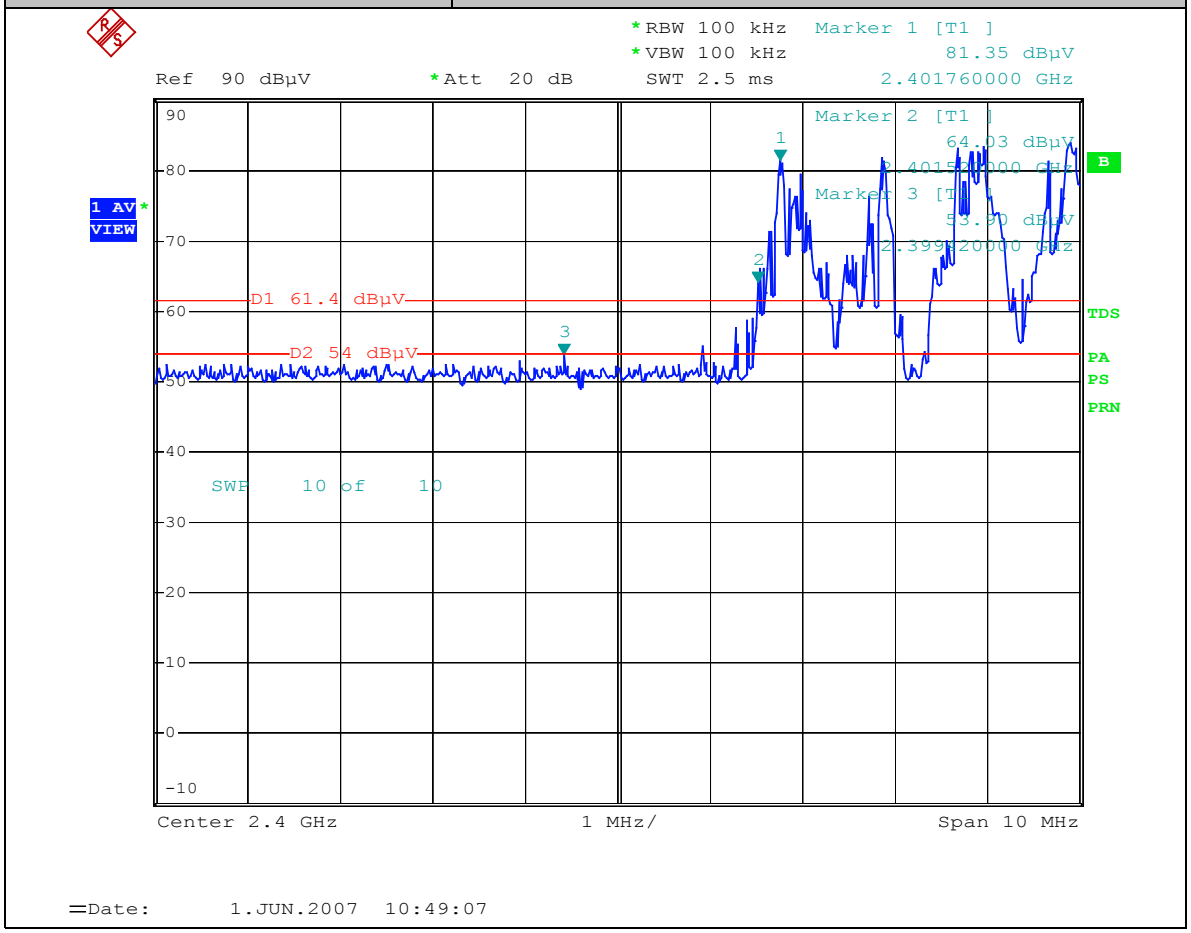
TEST PROCEDURE

The transmitter radiated emissions are measured at 3m distance by using spectrum analyzer.

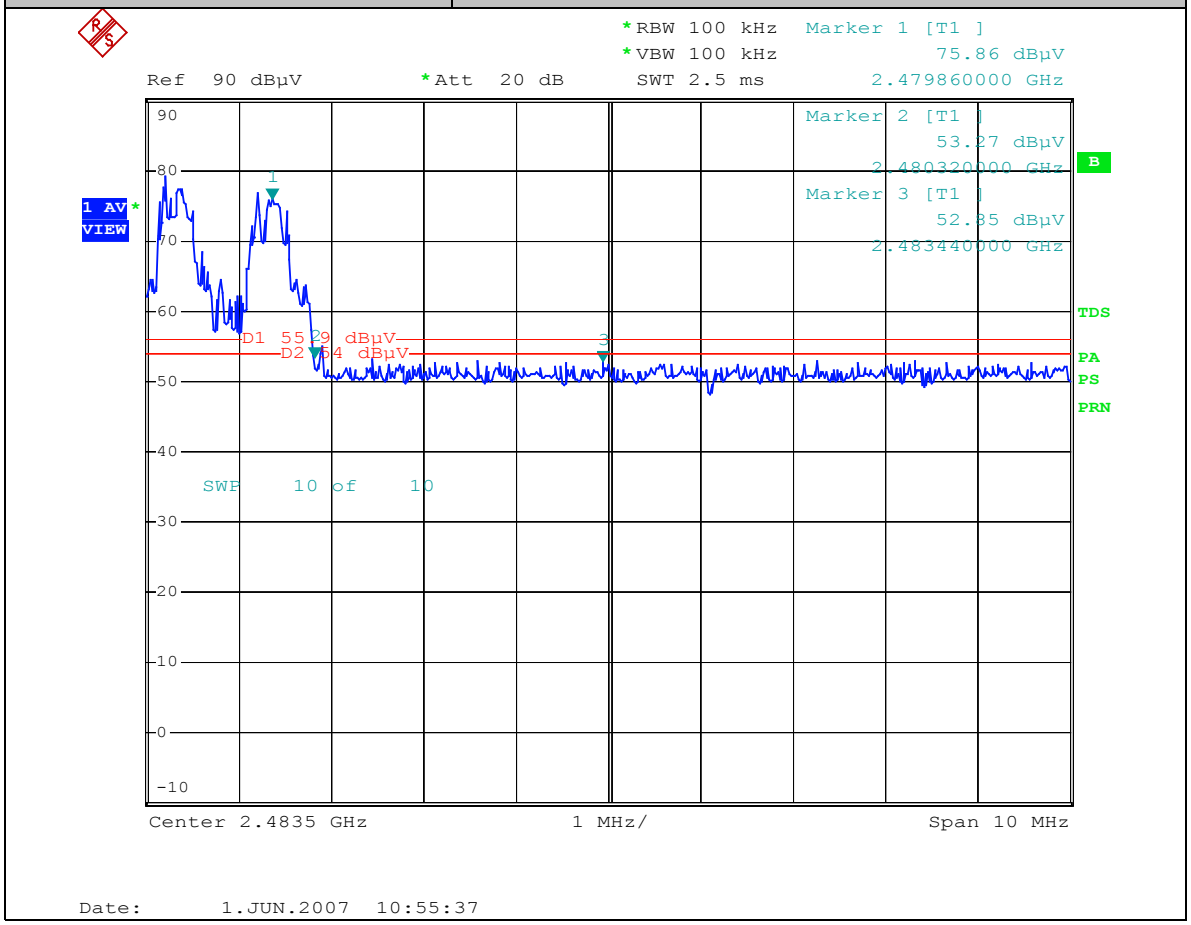
RESULTS

No non-compliance noted:

Plot Name:	Bandedge at Lower Channel



Plot Name:	Bandedge at Higher Channel



7.2. RADIATED EMISSIONS

7.2.1. TRANSMITTER RADIATED SPURIOUS EMISSIONS

LIMITS

§15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41			

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2] Above 38.6

§15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 - 88	100 **	3
88 - 216	150 **	3
216 - 960	200 **	3
Above 960	500	3

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The spectrum from 30 MHz to 10 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

RESULTS

No non-compliance noted:

7.2.2. TRANSMITTER RADIATED EMISSIONS ABOVE 1 GHZ

HARMONICS AND SPURIOUS EMISSIONS*

A. Transmitting Mode

Freq. (MHz)	Position (H,V-X,Y,Z)	Dist. (m)	D Corr (dB)	Peak (dBuV/m)	Avg. (dBuV/m)	Corr. Peak. (dBuV/m	PK Lim (dBuV/m)	Avg.Lim (dBuV/m)	PK Mar (dBuV/m)	Avg.Mar. (dBuV/m)
Low Channel Harmonics										
4804	H,Z	1	-10.5	**58.0**		47.5	74	54	-26.5	-6.5**
4804	V,X	1	-10.5	**56.5**		46.0	74	54	-28.0	-8.0
Mid Channel Harmonics										
4882	H,Z	1	-10.5	**57.2**		46.7	74	54	-27.3	-7.3
4882	V,X	1	-10.5	**56.0**		45.5	74	54	-28.5	-8.5
High Channel Harmonics										
4960	H,Z	1	-10.5	**55.4**		44.9	74	54	-29.1	-9.1
4960	V,X	1	-10.5	**55.0**		44.5	74	54	-29.5	-9.5
No other harmonics or spurious emissions were detected in the rest band above system floor, noise above -20dB to the limit. This applies to the restricted Bands,2310-2390MHz & 2483.5-2500MHz.										

B. No-Tx Mode

Freq. (MHz)	Position (H,V-X,Y,Z)	Dist. (m)	D Corr (dB)	Peak (dBuV/m)	Quasi-Peak (dBuV/m)	Avg. (dBuV/m)	FCC-15 3m Lim (dBuV/m)	Mar. (dBuV/m)
No other harmonics or spurious emissions were detected in the rest band above system floor, noise above -20dB to the limit.								

* EUT was placed inside its plastic hosting enclosure during the test, which is the typical configuration for this EUT's application. The presence of this plastic enclosure will not affect the testing result.
**Using the peak reading for Avg. margin calculation since the peak reading is under average limit.

7.10.3. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)

No significant emissions were detected in this band above system floor, noise above -20dB to the limit.