



MPE TEST REPORT

FCC Per 47 CFR 2.1093(d)

Report Reference No.: TRE1210000302 R/C:46584

FCC ID: QUGSHR

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Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd

Address: Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China

Applicant's name: Techsport Ltd.

Address: 2005 Chit Lee Commercial Building, 30-36 Shaukeiwan Road, Hong Kong

Test specification:

Standard: FCC Per 47 CFR 2.1091(b)

TRF Originator: Shenzhen Huatongwei International Inspection CO., Ltd

Master TRF: Dated 2006-06

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Test item description: Bluetooth 4.0 Heart Rate Monitor

Trade Mark: /

Model/Type reference: SHR

Listed Models: SHR-01, SHR-02, BI-SHR-01, TI-SHR-01

Operation Frequency: From 2400MHz to 2483.5MHz

Result: Positive

M P E T E S T R E P O R T

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Equipment under Test : Bluetooth 4.0 Heart Rate Monitor

Model /Type : SHR

Listed Models : SHR-01, SHR-02, BI-SHR-01, TI-SHR-01

Applicant : **Techsport Ltd.**

Address : 2005 Chit Lee Commercial Building, 30-36 Shaukeiwan Road, Hong Kong

Manufacturer : **Techsport Ltd.**

Address : 2005 Chit Lee Commercial Building, 30-36 Shaukeiwan Road, Hong Kong

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. SUMMARY

1.1. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

1.2. NOTE

1. The EUT is a Bluetooth 4.0 Heart Rate Monitor, The functions of the EUT listed as below:

	Test Standards	Reference Report
Bluetooth 4.0	FCC Part 15 Subpart C (Section15.247)	TRE1210000301
MPE REPORT	FCC Per 47 CFR 2.1093(d)	TRE1210000302

2. The frequency bands used in this EUT are listed as follows:

Frequency Band(MHz)	2400-2483.5	5150-5350	5470-5725	5725-5850
Bluetooth	√	—	—	—

3. The EUT provides one completed transmitter and receiver.

Modulation Mode	TX Function
Bluetooth	1TX

2. TEST ENVIRONMENT

2.1. Address of the test laboratory

Shenzhen Huatongwei International Inspection Co., Ltd
Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China
Phone: 86-755-26715686 Fax: 86-755-26748089

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2009) and CISPR Publication 22.

2.2. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	<u>15-35 ° C</u>
Humidity:	<u>30-60 %</u>
Atmospheric pressure:	<u>950-1050mbar</u>

2.3. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

3. Method of measurement

3.1. Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1093 RF exposure is calculated.

3.2. Limit

Exposure Category	Low threshold	High threshold
General population	$(60/f_{\text{GHz}})\text{mW}$, $d < 2.5\text{cm}$ $(120/f_{\text{GHz}})\text{mW}$, $d \geq 2.5\text{cm}$	$(900/f_{\text{GHz}})\text{mW}$, $d < 20\text{cm}$
Occupational	$(375/f_{\text{GHz}})\text{mW}$, $d < 2.5\text{cm}$ $(900/f_{\text{GHz}})\text{mW}$, $d \geq 2.5\text{cm}$	$(2250/f_{\text{GHz}})\text{mW}$, $d < 20\text{cm}$

F=frequency in GHz

3.3. RF Exposure

TEST RESULTS

The max peak output power is 0.14 dBm . The antenna gain is 0.0dBi. EIRP=0.14dBm=1.03mW< 60/2.48=24mW, so the SAR is not required.

4. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure.

.....**End of Report**.....