RF Exposure Evaluation Report

APPLICANT	:	Bragi GmbH
EQUIPMENT	:	Wireless Headphone
BRAND NAME	:	BRAGI
MODEL NAME	:	H1000-0001R
FCC ID	:	2AF5TH1000R
STANDARD	:	47 CFR Part 2.1093 FCC KDB 447498 D01 v06

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Eric Huang / Deputy Manager

Approved by: Jones Tsai / Manager

Testing Laboratory
1190

SPORTON INTERNATIONAL INC.
No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)

Table of Contents

Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA6O0503	Rev. 01	Initial issue of report	Oct. 26, 2016

1. Administration Data

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978

Applicant	
Company Name	Bragi GmbH
Address	Sendlinger Str.7 / Angerblock 2.OG 80331 München, Germany

Manufacturer	
Company Name	Merry Electronics (SHENZHEN) Co., Ltd.
Address	Merry Ind. Park Hua Rong Rd., DaLang, BaoAn ShenZhen 518109 China

2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Wireless Headphone
Brand Name	BRAGI
Model Name	H1000-0001R
FCC ID	2AF5TH1000R
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz NFMI: 10.579MHz
Mode	• Bluetooth BR/EDR/LE • CPFSK
Antenna Type	IFA Antenna
DUT Stage	Production Unit

Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3. Maximum RF output power among production units

Mode / Band	Average Power (dBm)			
	BR/EDR			LE
	1Mbps	2Mbps	3Mbps	
2.4 GHz Bluetooth	**8.5**	6	6	8

4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
8.5	7.0	5	2.48	2.20

Note:

1. Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

   [(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

   - f(GHz) is the RF channel transmit frequency in GHz
   - Power and distance are rounded to the nearest mW and mm before calculation
   - The result is rounded to one decimal place for comparison

Conclusion: Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.20 which is <= 3, SAR testing is not required.