

RF EXPOSURE REPORT

Applicant	Zound Industries International AB					
Address	Centralplan 15 SE-111 20 Stockholm Sweden					
Manufacturer or Supplier	Zound Industries International AB					
Address	Centralplan 15 SE-111 20 Stockho	olm Sweden				
Product	WIRELESS HOME BLUETOOTH	SPEAKER				
Brand Name	Marshall	Marshall				
Model	STANMORE II BLUETOOTH					
Additional Model & Model Difference	N/A					
Date of tests	Apr. 23, 2018 ~ Jul. 25, 2018					
	-					
	1					
CONCLUSION: The	submitted sample was found to	COMPLY with the test requirement				
Tested by Andy Zhu Approved by Glyn He Project Engineer / EMC Department Supervisor/ EMC Department						
Andy CAM						
http://www.bureauveritas.com replication of this report to or report sets forth our finding representative of the quality of expressly noted. Our report Measurement uncertainty is of material error or omission car and shall specifically address	/home/about-us/our-business/cps/about-us/terms- for any other person or entity, or use of our nam s solely with respect to the test samples identi- or characteristics of the lot from which a test sam includes all of the tests requested by you and the nuly provided upon request for accredited tests. You used by our negligence or if you require measured.	Date: Aug. 06, 2018 ervice as posted at the date of issuance of this report at <u>conditions</u> /and is intended for your exclusive use. Any copying or ne or trademark, is permitted only with our prior written permission. This iffed herein. The results set forth in this report are not indicative or ple was taken or any similar or identical product unless specifically and ne results thereof based upon the information that you provided to us. ou have 60 days from date of issuance of this report to notify us of any ment uncertainty; provided, however, that such notice shall be in writing such issue within the prescribed time shall constitute you unqualified extness of the report contents.				

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180423N013	Original release	Aug. 06, 2018



BUREAU VERITAS Test Report No.: FM180423N013

1. CERTIFICATION

FCC ID:	2AAGF-STANOREII	
PRODUCT:	WIRELESS HOME BLUETOOTH SPEAKER	
BRAND NAME:	ME: Marshall	
MODEL NO.:	STANMORE II BLUETOOTH	
ADDITIONAL NO.:	N/A	
APPLICANT:	Zound Industries International AB	
STANDARDS:	FCC Part 2 (Section 2.1091)	
	KDB 447498 D01	
	IEEE C95.1	



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)		
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE						
300-1500 F/1500 30						
1500-100,000			1.0	30		

F = Frequency in MHz

3. MPE CALCULATION FORMULA

 $Pd = (Pout^*G) / (4^*pi^*r^2)$

where

 $Pd = power density in mW/cm^2$

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type	
Chain 0	4.5	PCB Antenna	

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	5	+-1	4	6
8DPSK	2402-2480	0	+-1	-1	1
LE-GFSK	2402-2480	4	+-1	3	5

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	5.06
8DPSK	2441	0.69
LE-GFSK	2440	4.41

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm²)
2402-2480	6	4.5	20	0.002232	1.0

--- END ----

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