



Test Report No.: FS 150923N048



RF EXPOSURE REPORT

Applicant	Naim Audio Ltd.
Address	Southampton Road, Salisbury, SP1 2LN, UK

Manufacturer or Supplier	Naim Audio Ltd.
Address	Southampton Road , Salisbury, SP1 2LN, UK
Product	WIRELESS MUSIC SYSTEM
Brand Name	Naim
Model	Mu-so Qb
Additional Model & Model Difference	N/A
Date of tests	Oct. 10, 2015 ~ Oct. 28, 2015

- ☒ FCC Part 2 (Section 2.1091)
- ☒ KDB 447498 D01
- ☒ IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Blue Zheng Project Engineer / EMC Department	Approved by Chris Chen Supervisor / EMC Department
	 Date: Oct. 28, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150923N048	Original release	Oct. 28, 2015

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

Tel: +86 769 8593 5656
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



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1. CERTIFICATION

PRODUCT: WIRELESS MUSIC SYSTEM

BRAND NAME: Naim

MODEL NO.: Mu-so Qb

ADDITIONAL MODEL: N/A

FCC ID: 2ACURMUSOQB

TEST SAMPLE: ENGINEERING SAMPLE

APPLICANT: Naim Audio Ltd.

TESTED DATE: Oct. 28, 2015

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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	5.58	Wire Antenna



6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
WLAN 2.4GHz	378.794	5.58	20	0.2721	1.0

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