



Test Report No.: FS151211N005

# RF EXPOSURE REPORT

Applicant	EPI
Address	19 Allee des Jardins d'Emilie, F-06560 VALBONNE FRANCE



Manufacturer or Supplier	EPI
Address	19 Allee des Jardins d'Emilie, F-06560 VALBONNE FRANCE
Product	BlueSpot V3
Brand Name	NAO
Model	BS112-R-A
Additional Model & Model Difference	N/A
Date of tests	Jan. 06, 2016 ~ Jan. 13, 2016

☒ 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 Manager / EMC Department
	
	Date: Jan. 13, 2016

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS151211N005	Original release	Jan. 13, 2016

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## 1. CERTIFICATION

<b>FCC ID:</b>	2AHQ3-BS30
<b>PRODUCT:</b>	BlueSpot V3
<b>BRAND NAME:</b>	NAO
<b>MODEL NO.:</b>	BS112-R-A
<b>ADDITIONAL NO.:</b>	N/A
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	EPI
<b>STANDARDS:</b>	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 <sup>2</sup> )	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/cm<sup>2</sup>

$P_{out}$  = 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	0	Ceramic Antenna

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480MHz	0.545	0	20	0.0001	1.0

--- END ---