

## RF Exposure Evaluation declaration

Product Name : Nokia Bluetooth Headset  
Model No. : BH-902  
FCC ID. : PYAHS-76W

Applicant : Nokia Corporation, Nokia Mobile Phones  
Address : Joensuunkatu 7E P.O. Box 86, Salo Fin-24100 Finland  
Applicable Standard : FCC Guidelines for Human Exposure IEEE C95.1

Date of Receipt : 2007/04/18  
Date of Declaration : 2007/05/29  
Report No. : 074H058-RF-US-Exp

The declaration results relate only to the samples calculated.

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## 1. RF Exposure Evaluation

### 1.1. Limits

No Evaluation required for output power as below thresholds:

$f=\text{GHz}$ ,  $d=\text{Distance}$  (between radiated device and the body)

**When  $d < 2.5\text{cm}$ , Output Power=(60/f) mW.**

Ex:  $f=2.4\text{GHz}$  , Output Power=60/2.4=25 mW(13.98dBm).

**When  $d \geq 2.5\text{cm}$  and  $< 20\text{cm}$ , Output Power=(120/fGHz) mW,**

Ex:  $f=2.4\text{GHz}$  , Output Power=120/2.4=50 mW(16.99dBm).

### 1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

### 1.3. Test Result

Product	Nokia Bluetooth Headset
Test Mode	Mode 1: Transmit
Test Condition	Output Power

#### Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 1.0811dBi or 1.283 in linear scale

#### Output Power into Antenna:

Bluetooth Function			
Channel	Channel Frequency (MHz)	Output Power to Antenna (mW)	Output Power threshold (mw) (d <2.5cm )
0	2402.00	0.9572	24.98
39	2441.00	1.2503	24.58
78	2480.00	1.4060	24.19

The device with the radiating structure maintained within 2.5 cm of the body.

#### Conclusion:

No SAR evaluation required, since transmitter output power is below threshold.