

## RF Exposure Evaluation declaration

Product Name : Nokia Bluetooth Stereo Headset  
Model No. : HS-72W  
FCC ID. : PYAHS-72W

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

Date of Receipt : 2007/12/10  
Date of Declaration : 2007/12/14  
Report No. : 07C209R-RF-US-Exp

The declaration results relate only to the samples calculated.

The declaration shall not be reproduced except in full without the written approval of QuieTek Corporation.

## **1. RF Exposure Evaluation**

### **1.1. Limits**

No Evaluation required for output power as below thresholds:

$f$ =GHz,  $d$ = 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= $(120/f\text{GHz})$  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 Stereo Headset
Test Mode	Mode 1: Transmit
Test Condition	Output Power

### Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.9dBi or 1.950 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	0.9594	24.98
39	2441.00	1.0280	24.58
78	2480.00	1.0814	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.