

RF Exposure Evaluation declaration

Product Name : Jawbone
Model No. : JBD
FCC ID. : V3J-JBD

Applicant : Aliph com

Address : 99 Rhode Island Street 3rd Floor, San Francisco, 94103

Date of Receipt : 2010/10/04
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Report No. : 10A103R-RF-US-Exp
Report Version : V1.0

The declaration results relate only to the samples calculated.

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1. RF Exposure Evaluation

1.1. Limits

According to 1.1307(b)(1), system operating under the provisions of this section shall be operated in manner that ensure that the public is not exposed is not exposed to radio frequency energy level in excess of the Commission's guideline.

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 = $(60/2.4) = 25\text{mW}$ (13.98dBm)

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

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

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 of RF Exposure Evaluation

Product	Jawbone
Test Mode	Mode 1: Transmit
Test Condition	RF Exposure Evaluation

Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is -7.42dBi or 0.181 in linear scale.

Output Power into Antenna

Channel	Channel Frequency (MHz)	Output Power to Antenna (mW)	Output Power threshold (mW) (d < 2.5cm)
00	2402.00	0.454	24.979
39	2441.00	0.403	24.580
78	2480.00	0.429	24.194

Conclusion:

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