



## **RF Exposure Analysis- SAR Test Exemption**

FCC ID: 2BAQJ-2846

The equipment operates using a 125 kHz transmitter.

### **The following FCC Rule Parts and Procedures are applicable:**

KDB447498 D04 V01-Interim General RF Exposure Guidance

Part 1.1307(b)(3)(i)(A)- Blanket RF exposure exemption (i)

Part 1.1307(b)(3)(i)(C)- SAR test exemption (ii)

Part 1.1307(b)(3)(i)(B)- SAR test exemption (iii)

Operating Frequency: 125 kHz

Tx Powermax(declared inc. tune up tolerance): 82.08dB $\mu$ V/m @3m =-13.07 dBm EIRP=-13.07dBm ERP

Measured radiated power- Ref KDB447498 D04 Section 3.1.2-

When an antenna port is not available on the device to support conducted power measurement, e.g.: with built-in integral antennas, the available maximum output power or ERP, whichever is larger, and tolerance allowed for production units shall be used to determine RF exposure test exemption and compliance.

### **Evaluation**

From Part 1.1307, RF exposure exemption applies if the maximum transmitted power is less than the maximum of the following three criteria:

- i) Less than 1 mw Blanket exemption. PTH= 0.001 W-\$1.1307(b)(3)(i)(A)
- ii) determination of exemption under the MPE-based §1.1307(b)(3)(i)(C), if i) not met
- iii) determination of exemption under the SAR-based §1.1307(b)(3)(i)(B) if both i) and ii) are not met;

### **Conclusion**

The source-base, time-averaged power is -13.07 dBm (0.05 mW).

i.e.: less than 1 mW(0 dBm), so complies with the RF exposure blanket exemption in accordance with §1.1307(b)(3)(i)(A).