

## **Certification Exhibit**

**FCC ID: 2AELXBTR1  
IC: 20120-BTR1**

**FCC Rule Part: 15.247  
IC Radio Standards Specification: RSS-247**

**ACS Project Number: 15-3004**

Manufacturer: SmallHD, LLC  
Model: ACC-REMOTE-BT-1

## **RF Exposure**

**General Information:**

Applicant: SmallHD, LLC  
Device Category: Portable (extremities)  
Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Minimum Test Separation Distance: 5mm  
Antenna Type: Simple wire  
Antenna Gain: -10.4 dBi  
Maximum Transmitter Conducted Power: 1.05 dBm, 1.3 mW  
Maximum System EIRP: -9.3 dBm

**Justification for SAR Test Exclusion (FCC):****Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v05r02, the standalone 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$\left[ \frac{\text{maximum power of channel, including tune-up tolerance, mW}}{(\text{minimum test separation distance, mm})^2} \right] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$$

$$= (1.3/5)^2 \cdot (\sqrt{2.480}) = 0.41$$

**0.41 < 7.5**

The Standalone SAR test exclusion applies

**Justification for SAR Test Exclusion (Industry Canada):**

The SAR test exclusion thresholds were determined using RSS-102 issue 5 , section 2.5.1 Table 1.

Maximum Conducted or Equivalent Isotropically Radiated Power (EIRP): 1 mW

The linear interpolated threshold of Table 1 for 2480 MHz at a separation distance of 5mm is 4 mW. This is then compensated for extremities exposure using the 2.5X exposure factor giving an exemption limit of 10 mW.

$$1 \text{ mW} < 10 \text{ mW}$$

The SAR test exclusion applies.