



Excellence in Compliance Testing

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 ≤ 50 mm are determined by:

$[(\text{maximum power of channel, including tune-up tolerance, mW}/(\text{minimum test separation distance, mm})) \sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

$$= (1.3/5) * (\sqrt{2.480}) = 0.41$$

$$0.41 < 7.5$$

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.