

RF Exposure Exhibit
FCC ID: 2AL2U-BRCM1078
Model: BRCM1078
Manufacturer: etectRx, Inc.
107 SW 140th Terrace Suite 1
Newberry FL 32669

General Information:

Applicant: eTectRx, Inc.
Environment: General Population/ Uncontrolled Exposure
Exposure Conditions: Portable/Body Worn

Technical Information:

Minimum Test Separation Distance: 5mm
Highest Operating Frequency: 2480 MHz
Antenna Type: Linear Omnidirectional
Antenna Gain: -1.5 dBi (Peak)
Maximum Transmitter Conducted Power: 3.45 dBm (2.2 mW)
Maximum Transmitter EIRP: 1.95 dBm (1.55 mW)

Justification for SAR Test Exclusion:**Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v06, 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:

$$SAR := \left(\frac{P_o}{d} \right) \cdot \sqrt{f}$$

Where:

d is separation distance in mm

f is the frequency in GHz

Po is the conducted power output in mW

Limits:

≤ 3.0 for 1 gram SAR and, ≤ 7.5 for 10-g extremity SAR.

Conclusion:

Evaluating the above equation gives a resultant numeric threshold of 0.8. This is ≤ 3 for the 1 gram SAR exclusion; then SAR exclusion applies.

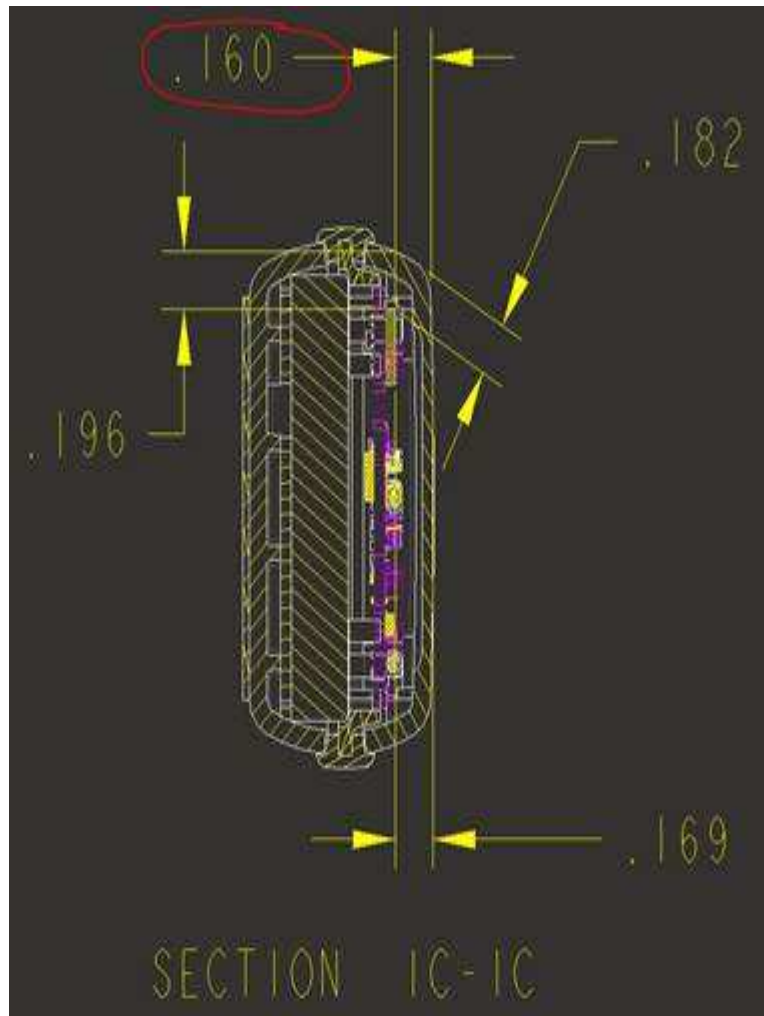


Figure 1 Product case
Distances to antenna structure
Dimensions are in inches.

General Information:

Applicant: eTectRx, Inc.

Environment: General Population/ Uncontrolled Exposure

Exposure Conditions: Charged on desktop

Technical Information:

The product employs a single layer charging coil with a cross sectional area of 10 sq cm.

The product is a client device and not the charging device and as such, exempt from evaluation.