



## **Certification Exhibit**

**FCC ID: 2AQVAEHRTMODULE**

**FCC Rule Part: 47 CFR Part 2.1091**

**Project Number: 72174064**

Manufacturer: Kimberly-Clark Corporation

Model: EHRTMODULE

## **RF Exposure**

**General Information:**

Applicant: Kimberly-Clark Corporation  
 Device Category: Mobile  
 Environment: General Population/Uncontrolled Exposure

**Technical Information (FCC 15.247) – WALLMOUNT HOST:**

Antenna Type: Printed Inverted-F type antenna with impedance matching circuit  
 Antenna Gains: 4.2 dBi  
 Maximum Transmitter Conducted Power: 6.7dBm, 4.68mW  
 Maximum System EIRP: 10.9 dBm, 12.30mW  
 Exposure Conditions: 20 centimeters

**Technical Information (FCC 15.247) – RECESSED HOST:**

Antenna Type: Printed Inverted-F type antenna with impedance matching circuit  
 Antenna Gains: 3.3 dBi  
 Maximum Transmitter Conducted Power: 6.7dBm, 4.68mW  
 Maximum System EIRP: 10 dBm, 10 mW  
 Exposure Conditions: 20 centimeters

**MPE Calculation**

The Power Density (mW/cm<sup>2</sup>) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

**Table 1: MPE Calculation (BLE radio) – WALLMOUNT HOST**

Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/cm <sup>2</sup> )	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )
2480	6.7	1.00	4.68	4.2	2.630	20	0.002

**Table 2: MPE Calculation (BLE radio) – RECESSED HOST**

Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/cm <sup>2</sup> )	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )
2480	6.7	1.00	4.68	3.3	2.138	20	0.002