



Excellence in Compliance Testing

Certification Exhibit

FCC ID: 2AB7YDPBTLE24

FCC Rule Part: 47 CFR Part 2.1091

ACS Project Number: 16-3030

Manufacturer: Viper Design, LLC
Model: DPBTLE24D

RF Exposure

General Information:

Applicant: Viper Design, LLC
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Meandering
 Antenna Gain: 0 dBi
 Maximum Transmitter Conducted Power: -4.62 dBm, 0.35 mW
 Maximum System EIRP: -4.62 dBm, 0.35 mW
 Exposure Conditions: 20 centimeters or greater

MPE Calculation

The Power Density (mW/cm²) is calculated as follows:

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

Where:

S = power density (in appropriate units, e.g. mW/cm²)

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

| Transmit Frequency (MHz) | Radio Power (dBm) | Power Density Limit (mW/Cm ²) | Radio Power (mW) | Antenna Gain (dBi) | Antenna Gain (mW eq.) | Distance (cm) | Power Density (mW/cm ²) |
|--------------------------|-------------------|---|------------------|--------------------|-----------------------|---------------|-------------------------------------|
| 2402 | -4.62 | 1.00 | 0.35 | 0 | 1.000 | 20 | 0.000 |