



## BTLE RF EXPOSURE EVALUATION

**Applicant Name:**  
 28 Gorilla, LLC.  
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 United States

**Date of Evaluation:**  
 01/24/2021  
**Test Site/Location:**  
 PCTEST. Morgan Hill, CA, USA  
**Document Serial No.:**  
 1C2101120008-06.2AX2O

**FCC ID:** **2AX2O-280010319**

**APPLICANT:** **28 GORILLA, LLC.**

**Model:** 28-0010038  
**EUT Type:** AE Wireless Temperature Sensor  
**Application Type:** Certification  
**FCC Rule Part(s):** CFR §2.1093

### BTLE Overview

BTLE Information		
Operating Frequency and Channels	Channels 0-39	Operating Frequency Range [MHz] 2402-2480
Maximum Allowed Conducted Power declared by the Manufacturer	0.597 [mW]	

### RF Exposure Test Exclusion

Per FCC KDB 447498 D01v06, the 1g SAR exclusion threshold for distances <50mm is defined by the following equation:

$$\frac{(\text{Max Power Of Channel (mW)})}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

Based on the maximum allowed conducted power of Bluetooth LE declared by the manufacturer (rounded to the nearest mW) and the antenna to user separation distance, 1g SAR was not required;  $[(1/5)^* \sqrt{2.480}] = 0.315 < 3.0$ .

  
 Randy Ortanez  
 President



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