

## MPE ESTIMATION

FCC ID: 2ARCP-SMK37PRO

### 1. Limit for Portable Equipment Exposure

| Frequency   | 1-g SAR |
|-------------|---------|
| 100MHz-6GHz | 3.0     |

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

Where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

### 2. Estimation Result

#### BT(worse case):

| Frequency                                                                                                         | Reading result(dBμV/m) | PK Output Power (dBm) | Output Power(mW) | Test Separation Distance (mm) | Measurement Result | 1-g SAR |
|-------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|------------------|-------------------------------|--------------------|---------|
| 8DPSK<br>2480 MHz                                                                                                 | 96.43                  | 1.23                  | 1.327            | 5                             | 0.4180             | 3.0     |
| Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2<br>Reading result see the test report GTSL2025050289F01. |                        |                       |                  |                               |                    |         |

#### BLE:

| Frequency                                                                                                         | Reading result(dBμV/m) | PK Output Power (dBm) | Output Power(mW) | Test Separation Distance (mm) | Measurement Result | 1-g SAR |
|-------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|------------------|-------------------------------|--------------------|---------|
| BLE 1M GFSK<br>2480 MHz                                                                                           | 96.76                  | 1.56                  | 1.432            | 5                             | 0.4510             | 3.0     |
| BLE 2M GFSK<br>2480 MHz                                                                                           | 97.17                  | 1.97                  | 1.574            | 5                             | 0.4957             | 3.0     |
| Note: PK Output Power (dBm)= Reading result(dBμV/m)-95.2<br>Reading result see the test report GTSL2025050289F02. |                        |                       |                  |                               |                    |         |

The SAR evaluation is not required.

-----The End-----