



RF Exposure evaluation

Applicant : PABLO INC.

Address : 888 Marin Street San Francisco California United States 94124

Equipment : Bluetooth Speaker

Model No. : UMA MINI

Trademark : N/A

FCC ID : 2AGV2UMAMINI

According to KDB 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances

≤ 50 mm are determined by:

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

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

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

The result is rounded to one decimal place for comparison

According to the formula, calculate the EIRP test result:

$$[(\text{max. power of channel including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

Operational Mode: worst case

| Test Mode | Frequency band (MHz) | Measured power (dBm) | Tuneup tolerance (dBm) | Max. Tuneup Power (dBm) | Peak output power (mW) | Distance (cm) | Result calculation |
|---------------|----------------------|----------------------|------------------------|-------------------------|------------------------|---------------|--------------------|
| Bluetooth EDR | 2.441 | 5.70 | 5.70±1 | 6.70 | 4.677 | <5 | 1.46 |
| BLE | 2.441 | 3.43 | 3.43±1 | 4.43 | 2.773 | <5 | 0.87 |

Conclusion: the calculated value ≤3.0, SAR is exempted.