Dt&C

FCC ID: 2AQNY-SR-S100

# Standalone SAR test exclusion considerations: Bluetooth LE

Date: October 14, 2019

| RF feauture | Mode | Transmitting Frequency(MHz) | Test separation distance (mm) | ANT Gain (dBi) | Max. power with tune-up tolerance (dBm)NOTE1 | Max. power with tune-up tolerance (mW)NOTE1 | Power thresholds | SAR test exclusion thresholds |
|---|---|---|---|---|---|---|---|---|
| Bluetooth LE | LE | 2480.00 | 5.00 | -0.36 | 0.50 | 1.1220 | 0.35 | 3.00 |
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Note1. Please refer to the operation description for Max.tune-up power.

**KDB 447498 D01 clasue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances ≤ 50 mm**

[ ( max. power of channel, including tune-up tolerance, mW ) / ( min. test separation distance, mm ) ] · [ √f(GHz) ] ≤ 3.0 for 1g SAR and ≤ 7.5 for 10g extremity SAR

**Sample Calculation**

= [ ( 1.122mW / 5mm ) ] X [ √2.48GHz ] = 0.35

Note. The calculation result was rounded to two decimal place for comparison.

**Conclusion : SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required**