

Product Description: Bluetooth Transmitter
Model No.: 1201786
FCC: 2AIGJ1201786

Frequency range: 2402MHz – 2480MHz
Maximum Antenna Gain: 0.432 dBi
Conducted Output Power: 1.768
Maximum EIRP Output Power: 1.6596 mW

Following KDB 447498 D01, clause 4.3.1:

4.3.1 Exemption from Routine Evaluation Limits – RF Exposure Evaluation

RF Exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows

For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g SAR *test exclusion thresholds* are determined by the following:
 $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

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

$$1.6596/(5) \cdot \sqrt{2.480} = 0.5227 < 3$$

Thus for <20cm portable usage, the SAR exclusion condition is fulfilled and SAR evaluation is not required for a separation distance of 5mm or more.