

Model No. : BT301DT FCC ID : YRWDATECSBT301

Standard : CFR 47 FCC Rules and Regulations Part 15

Page 70 of 82

7.10 RF Exposure

KDB 447498D01(V05) has the following exclusion for portable devices:

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

 $[p(mW) / d(mm)] * [\sqrt{f(GHz)}] \le 3.0$

for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where

- •p(mW) is max. power of channel, including tune-up tolerance.
- ·d(mm) is min. test separation distance.
- •f(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.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100MHz and 6GHz. When the minimum test separation distance is ≤ 5 mm, a distance of 5mm is applied to determine SAR test exclusion.

This device has f=2.48 GHz and distance = 5mm (minimum separation distance: 5mm was used is the calculation) and the maximum thune-up tolerance limit was 1.6 mW

So for this device:

 $1.6(\text{mW}) / 5(\text{mm}) * \sqrt{2.48(\text{GHz})} = 0.5$

*This is less than 3.0, so no SAR is required.