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## Appendix 5 Radio Frequency Exposure



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## Safety Human Exposure – Radio Frequency Exposure Compliance

**Pass** 

Test Specification: FCC KDB Publication 447498 D01 General RF Exposure Guidance v06

Requirement : 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:

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

 $\leq$  3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR

where

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

**Results** : max. power of channel = -1.38 - 1.0 dBm (E.I.R.P.) = 0.578 mW

min. test separation distance < 5mm (a distance of 5mm is applied to determine SAR

test exclusion)

frequency = 2.480GHz

Exclusion threshold =  $(3 \times 5) / (\sqrt{2.480})$ 

= 9.525 mW

Since maximum peak output power of the transmitter is 0.578mW < 9.525 mW, the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01

General RF Exposure Guidance v06.