

## **RF EXPOSURE EVALUATION**

_1	1. PRODUCT INFORMATION		
	Product Description	Wireless hands free car kit	
	Model Name	BTFM4PD, BTFM4, BTFM4-SP, BTFM4-SP1	
	FCC ID	IKQBTFM4B	

## 2. EVALUATION METHOD

According to 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  $\leq$  50 mm are determined by:

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

## 3. CALCULATION

BT:

Pt= -7.772dBm=0.17mW

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.17mW/5mm) .[ $\sqrt{2.441(GHz)}$ ]= 0.05<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

FM:

Pt=-49.05dBm=0.0000124mW

The value of the Maximum output power Pt is referred to the test report of the CFR39 §15.239

The result for RF exposure evaluation SAR=(0.0000124mW/5mm) .[ $\sqrt{0.0881}$ (GHz)]= 0.000000736<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.



 

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