RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	True Wireless Earphone
Model Name	TE-BD21j-ltd
FCC ID	2A9B6TE-BD21J-LTD

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06
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)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 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

BR&EDR:

P_t=1.428dBm=1.389mW

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=(1.389mW / 5mm).[√2.402GHz)]=0.431<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE:

P_t=0.854dBm=1.217mW

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=(1.217mW / 5mm).[√2.402GHz)]=0.377<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

CONCLUSION

The SAR evaluation is not required.

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