RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth headphones
Model Name	NB-1092
Series Model	SSX23P106, NB-1100F, NB-1100, NB-1100FS, NB-1100BF, NB-1300B, NB-1300BF, NB-1300, NB-1050, NB-1060, NB-1069, NB-1090, NB-1090P, NB-1070, NB-1070S, NB-1094, NB-1093, NB-1700, NB-1600, NB-2030, NB-1093, NB-1095, NB-1096, NB-1097, NB-1050, NB-2040
FCC ID	2ALHZNB-1092

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=0.601dBm=1.15mW

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=(1.15mW / 5mm).[√2.480GHz)]=0.361<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 1Mbps:

P_t=-2.104dBm=0.62mW

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=(0.62mW / 5mm).[√2.480GHz)]=0.195<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 2Mbps:

P_t=-2.206dBm=0.60mW

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=(0.60mW / 5mm).[√2.480GHz)]=0.188<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.