RF Exposure Evaluation Statement

Product Name: Bluetooth Earphone

Model No.： BK-01, BK-02, BK-03, BK-04, BK-05, BK-06, C02, CM02, BT MUSIQUE PRO, BT MUSIQUE BASS

FCC ID： 2AVHU-BK-01

1.1 RF Exposure Compliance Requirement

1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

1.1.2 Limits

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)] · [$\sqrt{f(GHz)}$] ≤ 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[17]

☐   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 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

1.1.3 EUT RF Exposure

Operational Mode: EDR （8-DPSK worst case）						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	(mW)	Calculated value	Exclusion threshold
2402MHZ	-3.16	±1	-2.16	0.61	0.19	
2441MHz	-3.22	±1	-2.22	0.60	0.19	3.0
2480MHz	-3.21	±1	-2.21	0.60	0.19	
Conclusion: the calculated value ≤3.0, SAR is exempted.						