RF Exposure Evaluation Statement

Product Name: True Wireless Earphone

Model No.： TWS09RP, TWS09J, TWS09A, TWS09RP-W, T9,T9J, T9R,T9A, Naztech Freedom+, 14622, 14623, TREBLAB xFit, BS52

FCC ID： 2AQKL-T9

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)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $\square$ f(GHz) is the RF channel transmit frequency in GHz
- $\square$ Power and distance are rounded to the nearest mW and mm before calculation[17]
- $\square$ 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		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402MHZ	-0.12	±1	0.88	1.22	0.38	
2441MHz	0.24	±1	1.24	1.33	0.42	3.0
2480MHz	0.52	±1	1.52	1.42	0.45	
Conclusion: the calculated value ≤3.0, SAR is exempted.						