FCC RF Exposure

EUT Description: Bluetooth earphones

Model No.: TW60, I17, I23, I28, A3pro, A30pro, i30pro, TW11, TW12, TW13, TW14, TW15, TW16, TW17, TW18, TW19, TW70, TW80, TW90, J1, J2, J3, B10, B20, B30, B40, B60, B80, J60, J90, A90

1. Limits

According to KDB 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 \leq 50 mm are determined by: [(max power of channel, including tune - up tolerance, mW)/(min. test separation distance, mm)] •[$\sqrt{f(GHz)} \leq 3.0$ for 1 - g SAR and ≤ 7.5 for 10 - g extremity SAR,

Where:

Result=P/D* √ F

F= the RF channel transmit frequency in GHz

P=Maximum turn - up power in mw

D=Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

2.4G

	Output	Tune Up	Max Tune	Min test	Result	Limit	SAR Test
	power	Power	Up power	separatio			Exclusion
	(dBm)	(dBm)	dBm/mW	n distance			
				mm			
EDR	-5.193	-6±1	-5/ 0.32	5	0.10079	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2011093332-E**, antenna gain=2.71dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.10079 which is<= 3, RF Exposure testing is not required.

Note: Exclusion Thresholds Results=[${}^{\mbox{\tiny cmax.}}$ power of channel, including tune-up tolerance, ${}^{\mbox{\tiny mW}}$ / ${}^{\mbox{\tiny cmin.}}$ test separation distance, mm)] • [$\sqrt{f(GHz)}$]

f(GHz) is the RF channel transmit frequency in GHz

Distance=5mm