FCC RF Exposure

EUT Description: Wireless Splashproof Earphones 320XBT5
Model No.: 190 9029 TG3
FCC ID: **2ADH6-1909029**

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 ≤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:
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 power （dBm）	Tune Up Power （dBm）	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm^2)	SAR Test Exclusion
BT	3.14	3±1	4/2.51	5	0.791	3.0	Pass
Note: 1.PK Output power= conducted power. 2.Conducted power see the test report **HK1910152607-E**, antenna gain=0dBi 3.All modes of GFSK, Pi/4 DQPSK, and 8DPSK were calculated at Low, Middle, and High channel; only the worst calculate result of **GFSK High Channel** was reported.							

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 0.791 which is<= 3, SAR test is not required.

Note: Exclusion Thresholds Results=[(*max. power of channel*, *including tune-up tolerance*, *mW*)/(*min. test separation distance*, *mm*)] • [√ $f_{(GHz)}$]

$f_{(GHz)}$ is the RF channel transmit frequency in GHz

Distance=5mm