FCC RF Exposure

EUT Description: MINI POCKET BLUETOOTH SPEAKER
Model No.: SMG240106
FCC ID: 2BAOX-SMG240106

1. Limits

According to KDB 447498 D04 General RF Exposure Guidance v01 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

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
BLE 2402	1.89	1±1(2)	1.585	5	0.491	3.0	Pass
EDR 2480	-5.08	-6±1(-5)	0.316	5	0.1	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2404101663-1E/2E, antenna gain=1.9dBi							

Per KDB 447498 D04, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.491 which is<3.0, SAR testing is not required.

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

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

Distance=5mm