FCC RF Exposure

EUT Description: Mecha Little Rubiks Cube Bluetooth Speaker
Model No.: A88
FCC ID: 2BOYY-A88

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

Frequency (MHz)	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
2402	1.12	1±1(2)	1.585	5	0.491	3.0	Pass
Note:							
PK Output power= conducted power.							
Conducted power see the test report HK2505192590-E, antenna gain=-0.58dBi							

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 0.491 which is≤ 3, RF Exposure testing 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