FCC RF Exposure

EUT Description: PORTABLE SPEAKER
Model No.: BLASTER 20K, K29, K11, K12, K13, K15, K16, K18, K21, K26, K27, K28, K30, K32, T15, T25, T26, T27, T28, T29, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, PT202, BLASTER 20L, BLASTER 20M, BLASTER 20N
FCC ID: 2ALS7BLASTER20

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	4.58	4±1	5/ 3.16	5	0.980	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK1907041539-E, antenna gain=0dBi							

Per KDB 447498 D01, 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 0.980 which is<= 3, 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