FCC RF Exposure

EUT Description: Dog Training Collar
Model No.: AMEC
FCC ID: 2BRV3-AMEC

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

EIRP(dBm)=77.65(dBuV/m)-95.2=-17.55(dBm)

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
433.285	-17.55	-17±1(-16)	0.025	5	0.003	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2508154601-E, antenna gain=-1.65dBi							

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 0.003 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)] ·[√f(GHz)]
f(GHz) is the RF channel transmit frequency in GHz
Distance=5mm