FCC RF Exposure

EUT Description:Motorcycle helmet intercom headset
ModelNo.:T2
FCC ID: 2A8OA-T2
Equipment type: Portable Device

1. Test Procedure
   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
f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ⩽ 50 mm and for transmission frequencies between 100 MHz and 6GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. Test Result of RF Exposure Evaluation

Mode	Channel Freq. (MHz)	Maximum Conducted Output Power(PK)	Conducted Output Power Limit	Antenna Gain (dBi)	Antenna gain numeric	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (W)
GFSK	2402	-7.83	30	2.55	1.80	-7.83±0	-7.83	0.00016
	2441	-6.826	30	2.55	1.80	-6.826±0	-6.826	0.00021
	2480	-8.785	30	2.55	1.80	-8.785±0	-8.785	0.00013

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,mm)] · [√f(GHz)]=0.21/5*√2.441=0.065≤3.0 Threshold at which no SAR required is and ≤ 3.0 for 1-g SAR, Separation distance is 5mm.