FCC RF Exposure

EUT Description:K07 pro Smart ball lock

Test type.:K07 pro

Series model: see Test Report No.: FCS202310276W01

FCC ID: 2A97U-K07PRO

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)] \cdot [$\sqrt{f(GHz)}$] \leq 3.0 for 1-g SAR and \leq 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)	Output	Antenna Gain (dBi)	Antenna gain numeric	up power
	2402	Power(PK)	1.4	1 20	(W)
GFSK	2402	3.23	1.4	1.38	0.0021037
	2441	2.86	1.4	1.38	0.0019319
	2480	2.80	1.4	1.38	0.0019054

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,mm)] $\cdot [\sqrt{f(GHz)}]=2.1037/5^*\sqrt{2.402}=0.6520\leq3.0$ Threshold at which no SAR required is and ≤ 3.0 for 1-g SAR, Separation distance is 5mm.