FCC RF Exposure

EUT Description:Household electric treadmill
ModelNo.:CS-WP9
Series Model: CS-WP9,CS-WP3, CS-WP7, CS-WP13, CS-WP15, CS-WP16, GT3, GT5, GT7, LS2, LS4, LS6, LS8, LS10, ZX2, ZX4, ZX6, ZX8, FP-TL2, FP-TL6, FP-TL8, FP-TL10, FP-TL12, FP-TL16, FP-TL18, FP-TL20, FP-TL22, FP-TR2, FP-TR6, FP-TR8, FP-TR10, FP-TR12
FCC ID: 2BEPD-HET

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,wheref(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

BLE

Mode	Channel Freq. (MHz)	Maximum Conducted Output Power(PK)	Antenna Gain (dBi)	Antenna gain numeric	Max tune-up power (W)
GFSK	2402	-15.27	-0.58	0.875	0.0000297
	2440	-16.20	-0.58	0.875	0.0000239
	2480	-14.87	-0.58	0.875	0.0000325

BT

Mode	Channel Freq. (MHz)	Maximum Conducted Output Power(PK)	Antenna Gain (dBi)	Antenna gain numeric	Max tune-up power (W)
GFSK	2402	2.78	-0.58	0.875	0.00189670
	2441	2.75	-0.58	0.875	0.00188364
	2480	2.72	-0.58	0.875	0.00187068

BLE:[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,mm)] · [√f(GHz)]=0.0325/5*√2.480=0.01026≤3.0 Threshold at which no SAR required is and ≤ 3.0 for 1-g SAR, Separation distance is 5mm.

BT:[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,mm)] · [√f(GHz)]=1.8967/5*√2.402=0.5879≤3.0 Threshold at which no SAR required is and ≤ 3.0 for 1-g SAR, Separation distance is 5mm.

Conclusion:no SAR required