

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Report No. : CN25T1LZ 002
Test Specification
Test item : Incase Sculpt Comfort Desktop (Keyboard)
Identification / Type No. : OB1557
FCC ID : 2BCOY-OB1557
IC : 32736-OB1557
HVIN : OB1531
Test standard : CFR47 FCC Part 2: Section 2.1093
FCC KDB Publication 447498 v06
RSS-102 Issue 6 December 15, 2023

Measurement Record:

The minimum distance for the EUT is less than 5mm.

For FCC:

Since maximum peak output power of the transmitter is $-1.03\text{dBm} < 1.0\text{ mW} < \frac{3 \cdot d}{\sqrt{f}} = 9.68\text{ mW}$.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

For IC:

The higher of the maximum e.i.r.p. and conducted power of the transmitter is $0.07\text{ dBm} \approx 1.06\text{ mW}$, which is below the SAR exclusion threshold level for limb-worn devices $7.5\text{ mW} \approx 8.75\text{ dBm}$.

Antenna Gain: 1.1dBi

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 6.3 of RSS-102 Issue 6.