# FCC RF Exposure

EUT Description: 360 Smart Shooting Gimbal
Model No.: Q14
FCC ID: 2BK4R-Q14

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)]·[$\sqrt{f}$(GHz)]≤3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

Where:
Result=$P/D*\sqrt{F}$
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

| Frequency (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power (dBm/mW) | Min test separation distance (mm) | Result | Limit (mW/cm$^2$) | SAR Test Exclusion |
|---|---|---|---|---|---|---|---|
| 2480 | 7.19 | 7±1(8) | 6.310 | 5 | 1.987 | 3.0 | Pass |

Note:
PK Output power= conducted power.
Conducted power see the test report HK2503121104-E, antenna gain=-0.58dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 1.987 which is≤ 3, RF Exposure testing is not required.

Note: Exclusion Thresholds Results=[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[$\sqrt{f}$(GHz)]

f(GHz) is the RF channel transmit frequency in GHz

Distance=5mm