

FCC RF Exposure

EUT Description: Ride on UTV

Model No.: 060-ROT-58

FCC ID: 2BBEC-060-ROT-58

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:

$$\left[\frac{\text{max power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$$

Where:

Result = $P/D \cdot \sqrt{F}$

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 mW | Min test separation distance mm | Result | Limit | SAR Test Exclusion |
|-----------------|--------------------|---------------------|----------------------|---------------------------------|--------|-------|--------------------|
| 2480 | -1.32 | -2±1(-1) | 0.794 | 5 | 0.250 | 3.0 | Pass |

Note:

PK Output power = conducted power.

Conducted power see the test report HK2508214738-E, antenna gain = 2.338dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.250 which is ≤ 3 , SAR testing is not required.

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

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

Distance = 5mm