

FCC RF Exposure

EUT Description: MOBULA Remote Controller

Model No.: MR-0000W1AP01

FCC ID: 2ASTR-MR

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

5.8G

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result (mW/cm ²)	Limit (mW/cm ²)	SAR Test Exclusion
5.8G WIFI ANT1 a	5.26	5 ± 1	6/3.98	5	0.331	3.0	Pass
5.8G WIFI ANT2 a	5.76	5 ± 1	6/3.98	5	0.330	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK1903050374-2ER, antenna gain=1dBi							

Per KDB 447498 D01, when the minimum test separation distance is <50 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.331mW/cm² which is < 3.0mW/cm², SAR testing is not required.

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

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Distance=5mm