

FCC RF Exposure

EUT Description: SEABIRD 4K ACTION CAMERA

Model No.: Seabird2.0

FCC ID: 2ATET-SEABIRD

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

2.4G

	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
802.11b	8.57	8±1	9/7.94	5	2.466	3.0	Pass
802.11g	8.41	8±1	9/7.94	5	2.479	3.0	Pass
802.11n(HT20)	7.67	7±1	8/6.31	5	1.970	3.0	Pass
802.11n(HT40)	6.75	6±1	7/5.01	5	1.564	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK1904290900-1E, antenna gain=1dBi							

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