

FCC RF Exposure

EUT Description: WIFI Endoscope Camera

Model No.: WF200, WF200SL

FCC ID: 2AHTO-WF200

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:

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

Where:

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

F = the RF channel transmit frequency in GHz

P = Maximum turn-up power in m

D = Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

Modulation	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	7.89	8 ± 1	9/7.9	5	2.45	3.0	Yes
802.11g	7.62	7 ± 1	8/6.3	5	1.95	3.0	Yes
802.11n(HT20)	7.44	7 ± 1	8/6.3	5	1.96	3.0	Yes
802.11n(HT40)	7.55	7 ± 1	8/6.3	5	1.96	3.0	Yes