

FCC RF Exposure

EUT Description: WiFi Camera

Model No.: WF100

FCC ID: 2AHTO-WF100

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

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

	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	8.27	8 ± 1	9/7.94	5	2.492	3.0	Pass
802.11g	8.16	8 ± 1	9/7.94	5	2.492	3.0	Pass
802.11n(HT20)	7.58	8 ± 1	9/7.94	5	2.492	3.0	Pass
802.11n(HT40)	7.32	8 ± 1	9/7.94	5	2.487	3.0	Pass
Note: PK Output power = conducted power. Conducted power see the test report WST170616067-E, 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