

FCC RF Exposure

EUT Description: Home Security Wi-Fi Camera

Model No.: AI-IP012

FCC ID: 2A13QAI-IP012

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:
[(max power of channel, including tune - up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1 - g SAR and ≤ 7.5 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 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	8.79	8 ± 1	9/7.94	5	2.492	3.0	Pass
802.11g	8.63	8 ± 1	9/7.94	5	2.492	3.0	Pass
802.11n(HT20)	7.94	8 ± 1	9/7.94	5	2.492	3.0	Pass

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

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

Distance = 5mm