

FCC RF Exposure

EUT Description: Webcaster x1

Model No.: Webcaster x1

FCC ID: 2AIDJ-WEBCASTER

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:

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

Where:

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

F = the RF channel transmit frequency in

GHz P = Maximum turn-up power in mw

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, cm	Result	Limit (mW/cm ²)	SAR Test Exclusion
802.11b	9.26	8.5 ± 1	9.5/8.912	20	0.0699	3.0	Yes
802.11g	8.46	8.0 ± 1	9/7.943	20	0.0623	3.0	Yes
802.11n(HT20)	8.26	8.0 ± 1	9/7.943	20	0.0581	3.0	Yes
802.11n(HT40)	6.88	7.0 ± 1	8/6.309	20	0.0491	3.0	Yes