



FCC RF Exposure

EUT Description: **Wireless smart otoscope**

Model No.: **T1, T1-1, T1-2, T1-3, T2-1, T2-2, T2-3, T3-1, T3-2, T3-3, WFE360, WFE380, WFE500**

FCC ID: **2AWMH-2020**

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
11b	8.57	8 \pm 1(9)	7.943	5	2.4926	3.0	Pass
11g	4.32	4 \pm 1(5)	3.162	5	0.9923	3.0	Pass
11n/HT20	4.58	4 \pm 1(5)	3.162	5	0.9923	3.0	Pass
11n/HT40	2.65	2 \pm 1(3)	1.995	5	0.6248	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report **HK2006051271-E**, antenna gain = 2dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.4926 which is ≤ 3 , SAR testing is not required.

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