

RF EXPOSURE ANALYSIS

EQUIPMENT

Type of equipment:	Remote Control
Type / Model:	YH-KZQ-FS
Brand name:	IKEA
Manufacturer:	IKEA of Sweden AB
By request of:	IKEA of Sweden AB Box 702 343 81 Älmhult Sweden

Operating frequency: 2436 MHz

REQUIREMENT

EN62479:2010
CFR 47 §1.1310
RSS-102 issue 5 (2015)

CALCULATIONS

Highest declared output power is 2 mW.

With a maximum duty cycle of 37 % the average EIRP is $2 \times 0.37 = 0.74$ mW.

All values in table 1 are based on the average output power.

LIMITS & EVALUATIONS:

Standard	Reference for limit	Limit	Unit	Values	Result
EN 62479	EN62479 ¹	20	mW	0.74	PASS
CFR 47 §1.1310	KDB 447498 D01 ²	3	N/A	0.23	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015) ³	4	mW	0.74	PASS

Table 1

¹From Table A.1 for general public and head and trunk

²1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by: $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$. Test separation distance is taken as 5 mm and maximum power is 0.74 mW at 2.445 GHz.

³Section 2.5.1, table 1, based on a separation distance of 5 mm and frequency of 2450 MHz.

Summary:

All requirements are fulfilled

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