

# RF EXPOSURE ANALYSIS

## EQUIPMENT

Type of equipment: Gateway  
Type / Model: ACE Gateway  
Manufacturer: SiteTel Sweden AB  
By request of: SiteTel Sweden AB

Operating frequencies: 2402 – 2480 MHz

## REQUIREMENT

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

## CALCULATIONS

Highest measured conducted output power is 6.2 dBm peak or 4.2 mW.

With an antenna gain of 2.0 dBi the EIRP is 8.2 dBm or 6.6 mW.

**LIMITS & EVALUATIONS:**

Standard	Reference for limit	Limit	Unit	Values	Result
EN 62479	EN62479 <sup>1</sup>	20	mW	6.6	PASS
KDB 447498 D01 <sup>2</sup>	CFR 47 §1.1310	1.0	mW/cm <sup>2</sup>	0.001	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015) <sup>3</sup>	2713	mW	6.6	PASS

**Table 1**

<sup>1</sup>From Table A.1 for general public and head and trunk

<sup>2</sup>Section 7.1, a minimum test separation distance of greater than or equal to 20 cm is assumed

<sup>3</sup>Section 2.5.2; 2450 MHz used for calculations; distance between user and unit is greater than 20 cm; "at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal or less than  $1.31 \times 10^{-2} \times f^{0.6834} \text{W}$  (adjusted for tune-up tolerance), where f is in MHz"

**Summary:**

All requirements are fulfilled

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Issued by: Robert Hietala

Intertek Semko AB, Radio & EMC