

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 ¹	20	mW	6.6	PASS
KDB 447498 D01 ²	CFR 47 §1.1310	1.0	mW/cm ²	0.001	PASS
RSS-102 issue 5 (2015)	RSS-102 issue 5 (2015) ³	2713	mW	6.6	PASS

Table 1

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


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

³Section 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 $1.31 \times 10^{-2} \times f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz"

Summary:

All requirements are fulfilled

Date of issue: 2017-10-31



Issued by: Robert Hietala

Intertek Semko AB, Radio & EMC