WIRELESS L.A.N. BRIDGE RADIO

TITLE	ANTENNAS INTERNAL	ANTENNAS EXTERNAL	INFORMATION FORMULAS EQUATIONS REFERENCES
gain	16 dBi	21 dBi	manufacturer specifications
max. power	.063 watts	.063 watts	measured at antenna output port of the EUT
ERP	1.008 w	1.323 w	ERP = POWER x GAIN
Field strength volts/meter	1.838 v/m	2.100 v/m	$v/m = \frac{\sqrt{30 \times ERP}}{3}$
Power density mW/cm2	0.0009	0.0012	$PD(mW/cm2) = \frac{(V/M)2}{3770}$
PEL.dist**	0.0283 m	0.0325 m	$PEL\ (m) = \sqrt{\frac{ERP}{1256}}$
MPE LIMITS PD mW/cm2		1	Given in 47 CFR section 1.1310 Table 1, limit B

** PEL distance = Distance from EUT at which PERMITTED EXPOSURE LEVEL