

Manufacturer: Leonardo S.p.a. Name: Roberto Giampaglia

Product: Compact TETRA Base Station Title: Laboratories Manager

FCC ID: 2ATWB-DTAT47L22C01 Signature: 

MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Output	Antenna	EIRP ¹ dBm	EIRP mW	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	PD/PD Limit
			Power ⁴ dBm	Peak Gain ⁵ dBi							
460-465 MHz (UHF)	460.0	100	47.2	2	49.2	83368	300	0.07371	1.53	13.2	0.04807
460-465 MHz (UHF)	460.0	100	47.2	12	59.2	833681	300	0.73714	1.53	3.2	0.48074
460-465 MHz (UHF)	460.0	100	47.2	14.7	61.9	1552387	300	1.37261	1.53	0.5	0.89518

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

²PD = EIRP / (4 π D²)

³CFR 47 Part 1, §1.1310 (e), Table 1, (i) Limits for Occupational/Controlled Exposure

⁴According to test report n. REP105950

⁵See § 7.1 "ANTENNA TYPES AND RADIATION EXPOSURE LIMITS" in the User Manual