

Manufacturer: Radio Activity srl

Name: Oscar Frau

Product: KA-500e

Title: Project Handler

FCC ID: Y9M-KA500E

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Output Power ⁴	Antenna Gain ⁵	ERP ¹	EIRP	EIRP	Distance	PD ²	PD Limit ³	Margin
	MHz	%	dBm	dB	dBm	dBm	mW	cm	mW/cm ²	mW/cm ²	dB
UHF	450	100	46,29	4,71	51,00	53,15	206464	250	0,263	0,3	0,57
UHF	512	100	47,13	3,87	51,00	53,15	206464	250	0,263	0,3	1,13

¹ERP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100) - note: 51 dBm ERP is the allowed limit

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1 (Limits for General Population/Uncontrolled Exposure)

⁴See test report n. REP035703TRFWL issued by Nemko SpA

⁵Max allowed antenna gain to respect ERP limit (4.71 dB @ 450 MHz, correspondig to 6,86 dBi)