

**Manufacturer:** Radio Activity srl

**Name:** Oscar Frau

**Product:** KA-160e

**Title:** Project Handler

**FCC ID:** Y9M-KA160E

**Signature:**



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## MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Output Power <sup>4</sup>	Antenna Gain <sup>5</sup>	ERP <sup>1</sup>	EIRP	EIRP	Distance	PD <sup>2</sup>	PD Limit <sup>3</sup>	Margin
	MHz	%	dBm	dB	dBm	dBm	mW	cm	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>	dB
VHF	150,1	100	47,3	3,7	51,00	53,15	206464	322	0,158	0,2	1,01

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

<sup>2</sup>PD = EIRP / (4xπxD<sup>2</sup>)

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

<sup>4</sup>See test report n. REP040275TRFWL issued by Nemko SpA

<sup>5</sup>Max allowed antenna gain to respect ERP limit (3.7 dB correspondig to 5,85 dBi)