

Manufacturer: FARO SPA

Name: Oscar Frau

Product: MOD. 540050

Title: Project handler

FCC ID: 2BC9L-540050

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna		EIRP ^{1,4}	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP	PD/PD Limit
				Gain								Limit	Margin	
	MHz	%	dBm	dBi		dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	
SRD	315	100	-24,77	0		-24,77	0,003	20	0,0000007	0,21	55,0	264	49,0	0,000003

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴EIRP: from test report n. REP016526 issued by Nemko SpA, 70.46 dBμV/m @ 3m are -24.77 dBm_{EIRP}

2.1091 EIRP Limit

1.1307 (b)(3)(i)(C) exemption limit

RF Source						Threshold	Threshold	Threshold		
Frequency	f	R	λ	λ/2π	R/(λ/2π)	ERP	EIRP	EIRP	EIRP	Margin
MHz	MHz	m	m	m		W	W	mW	mW	dB
300-1500	315	0,20	0,952	0,1516	1,32	0,16128	0,264	264	0,003	49,0

1.1307 (b)(3)(i)(B) exemption limit

0.3 GHz ≤ f < 1.5 GHz

0.5 cm ≤ d ≤ 20 cm

					Threshold		
f	ERP _{20cm}	x	d	Pth	EIRP	EIRP	Margin
GHz	mW		cm	mW	mW	mW	dB
0,315	643	0,779	20	643	1054	0,003	55,0