

Manufacturer: Inpeco SA

Name: Oscar Frau

Product: PSI0039

Title: Project Handler

FCC ID: 2BALJ-CAB1C13M01

Signature:



MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna		EIRP ¹ dBm	EIRP mW	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	2.1091 EIRP	2.1091 EIRP	PD/PD Limit
				Gain dBi								Limit ⁵ mW	Margin dB	
RFID	13,56	100	-42,53	0		-42,53	0,0001	20	0,00000001	1,000	79,54	1	42,53	0,00000001

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴53.2 dBuV/m @ 3m = -42.03 dBm (considering 0 dBi antenna gain)

⁵CFR 47 Part 2, §2.1091(c)(1)

Remark about RF exposure exemption:

According to CFR 47 Part 1, §1.1307(3)(i)(A), a single RF source is exempt from the obligation to perform a routine environmental evaluation to demonstrate compliance with the RF exposure limits in CFR 47 Part 1, §1.1310 if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.