

Manufacturer: Sigma S.p.A.

Name: Oscar Frau

Product: ETS90-N-CA

Title: Project Handler

FCC ID: 2A9NH-ETS90-N-CA

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power ⁴	Antenna	EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091	2.1091	PD/PD Limit
				Gain							Limit	Margin	
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	
RFID	13,56	100	-35,4	0	-35,40	0,00029	20	0,0000001	0,979	72,3	1	35,4	0,0000001

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴According to ANSI C63.10-2013, §9.5: EIRP [dBm] = EMeas [dBuV/m] + 20*Log(dMeas [m]) - 104.7 = 49,23 + 20*Log(10) - 104,7 = -35,4 dBm