

Manufacturer:

Product:

FCC ID:

Name: Oscar Frau

Title: Project Handler

Signature: 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna		EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP	PD/PD Limit	Worst PD/PD values to be considered
				Gain ^{4, 5}								Limit	Margin		
	MHz	%	dBm	dBi		dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB		
MN-0146-EO ⁴	903,0	100	12,0	2,6		14,60	28,8	20	0,006	0,602	20,21	758	14,20	0,00953	0,00953
MN-0147-EO ⁵	907,8	100	13,5	2,6		16,10	40,7	20	0,008	0,605	18,73	762	12,72	0,01339	0,01339
FCC Co-Location =		0,02292	< 1												

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴See Report No.: REP009880, §8.6.5

⁵See Report No.: REP009881, §8.6.5

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	m	m	m		W	W	mW	mW	dB
300-1500	903,0	0,20	0,332	0,0529	3,78	0,46234	0,758	758	28,8	14,20
	907,8	0,20	0,330	0,0526	3,80	0,46479	0,762	762	40,7	12,72