

Manufacturer: Andrew Wireless Systems

Name: Oscar Frau

Product: RPM-A61L1-77c

Title: Project Handler

FCC ID: XS5-RPML2-N77C

Signature: 

MPE limits (§ 1.1310)

Mode	Frequency	Duty Cycle	Power ⁴	Tolerance	Antenna	EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP
					Gain							Limit	Margin
	MHz	%	dBm	dB	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB
C-Band (BW=80 MHz)	3739,995	100	27,7	1,0	4,3	33,0	1995	20	0,4	1,000	4,01	5018	4,01

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

²PD = EIRP / (4πD²)

³CFR 47 Part 1, §1.1310(e), Table 1, Limits for General Population / Uncontrolled Exposure

⁴See FCC ID: XS5-RPML2-N77C, test report n. REP054742TRFWL, p.84, worst case Port 1 + Port 2 @ 3739,995 MHz (with 80 MHz bandwidth)

EIRP Limit (§ 2.1091)

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

RF Source Frequency	f	ERP _{20cm}	Pth = ERP _{20cm}	Pth = EIRP _{20cm}	EIRP	Margin
1.5 GHz < f ≤ 6.0 GHz	GHz	mW	mW	mW	mW	dB
C-BAND	3,7	3060	3060	5018	1995	4,01