

Manufacturer:

Andrew Wireless Systems

Product:

RPM-A61L1-41

FCC ID:

XS5-RPML2-N41

Name:

Oscar Frau

Title:

Project Handler

Signature:



MPE limits (§ 1.1310)

Band	Frequency	Duty Cycle	Power ⁴	Tolerance	Antenna	EIRP ^{1,4}	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
NR-TDD/n41	2521	100	26.4	1.0	4.9	32.3	1698	20	0.33785	1.000	4.71	5018	4.71

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-N41, test report n. REP063990TRFWL, p.100, worst case Port 1 + Port 2 @ 2521 MHz (with 50 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
NR-TDD/n41	2.5	3060	3060	5018	1698	4.71