

Manufacturer:

Andrew Wireless Systems

Product:

RPM-A61L1-7E

FCC ID:

XS5-RPML2-B121314

Name:

Oscar Frau

Title:

Project Handler

Signature:



MPE limits (§ 1.1310)

Band	Frequency	Duty Cycle	Power ^{4,5}	Tolerance	Antenna		EIRP ^{1,4,5}	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
LTE B14	760.5	100	25.5	1.0	3.7		30.2	1047	20	0.20832	1.000	6.81	2544	3.86
NR-FDD/ B14	760.5	100	25.5	1.0	3.7		30.2	1047	20	0.20832	1.000	6.81	2544	3.86

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-B121314, test report n. REP068646, p.36, worst case Port 1 + Port 2 = 25.5 dBm (0.36 W) @ 760.5 MHz (with 5 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B121314, test report n. REP068645, p.36, worst case Port 1 + Port 2 = 25.5 dBm (0.35 W) @ 760.5 MHz (with 5 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
0.3 GHz < f ≤ 1.5 GHz	GHz	mW	mW	mW	mW	dB
LTE B5	0.761	1551	1551	2544	1047	3.86
NR-FDD/ B5	0.761	1551	1551	2544	1047	3.86