

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 B12	741.0	100	26.3	1.0	3.7		31.0	1259	20	0.25046	1.000	6.01	2479	2.94
NR-FDD/ B12	743.5	100	25.6	1.0	3.7		30.3	1072	20	0.21317	1.000	6.71	2487	3.66

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. REP068632, p.44, worst case Port 1 + Port 2 = 26.3 dBm (0.43 W) @ 741.0 MHz (with 10 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B121314, test report n. REP068464, p.44, worst case Port 1 + Port 2 = 25.6 dBm (0.36 W) @ 743.5 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	0.741	1512	1512	2479	1259	2.94
NR-FDD/ B5	0.744	1517	1517	2487	1072	3.66