

Manufacturer:

Andrew Wireless Systems

Product:

RPM-A61L1-66

FCC ID:

XS5-RPML2-B66

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
NR-FDD/ B66	2117.5	100	21.1	1.0	5.7	27.8	598	20	0.11905	1.000	9.24	5018	9.24
LTE B66	2117.5	100	21.2	1.0	5.7	27.9	619	20	0.12323	1.000	9.09		

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-B66, test report n. REP057295TRFWL, p.72, worst case Port 1 + Port 2 @ 2117.5 MHz (with 15 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B66, test report n. REP063297TRFWL, p.72, worst case Port 1 + Port 2 @ 2117.5 MHz (with 15 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-FDD/ B66	2.1	3060	3060	5018	598	9.24
LTE B66	2.1	3060	3060	5018	619	9.09