


Manufacturer: Andrew Wireless Systems

Name: Oscar Frau

Product: RPM-A61L1-66

Title: Project Handler

FCC ID: XS5-RPML2-B66

Signature: 

MPE limits (§ 1.1310)

Band	Frequency MHz	Duty Cycle %	Power ^{4,5} dBm	Tolerance dB	Antenna	EIRP ^{1,4,5} dBm	EIRP mW	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	2.1091 EIRP	2.1091 EIRP
					Gain dBi							Limit mW	Margin 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. REPO57295TRFWL, p.72, worst case Port 1 + Port 2 @ 2117.5 MHz (with 15 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B66, test report n. REPO63297TRFWL, 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