

Manufacturer:

Andrew Wireless Systems

Product:

RPM-A61L1-25

FCC ID:

XS5-RPML2-B25

Name:

Oscar Frau

Title:

Project Handler

Signature:



MPE limits (§ 1.1310)

Band	Frequency	Duty Cycle	Power ^{4,5}	Tolerance	Antenna		EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP
					Gain	EIRP ^{1,4,5}						Limit	Margin
	MHz	%	dBm	dB	dBi	dBm	mW	cm	mW/cm^2	mW/cm^2	dB	mW	dB
NR-FDD/ B25	1985,0	100	27,8	1,0	5,9	34,7	2951	20	0,58712	1,000	2,31	5018	2,31
LTE B25	1962,5	100	27,0	1,0	5,9	33,9	2455	20	0,48835	1,000	3,11	5018	3,11

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-B25, test report n. REP061278TRFWL, p.72, worst case Port 1 + Port 2 @ 1985.0 MHz (with 20 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B25, test report n. REP057950TRFWL, p.72, worst case Port 1 + Port 2 @ 1962.5 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/ B25	1,985	3060	3060	5018	2951	2,31
LTE B25	1,963	3060	3060	5018	2455	3,11