

Manufacturer:

Andrew Wireless Systems

Product:

RPM-A61L1-05

FCC ID:

XS5-RPML2-B5

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
LTE B5	881.5	100	25.6	1.0	dBi	dBm	mW	cm	mW/cm^2	mW/cm^2	dB	mW	dB
NR-FDD/ B5	874.0	100	25.3	1.0	4.8	31.4	1384	20	0.27525	1.000	5.60	2949	3.29
					4.8	31.1	1288	20	0.25629	1.000	5.91	2924	3.56

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-B5, test report n. REP064938, p.45, worst case Port 1 + Port 2 @ 881.5 MHz (with 5 MHz bandwidth)

⁵See FCC ID: XS5-RPML2-B5, test report n. REP064941, p.45, worst case Port 1 + Port 2 @ 874.0 MHz (with 10 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	0.882	1798	1798	2949	1384	3.29
NR-FDD/ B5	0.874	1783	1783	2924	1288	3.56