

Manufacturer: Andrew Wireless Systems

Name: Oscar Frau

Product: Radio Module L2 C-BAND

Title: Project Handler

FCC ID: XS5-RML2CBAND

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power ⁴	Antenna Gain	EIRP ^{1,5}	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP Limit	2.1091 EIRP Margin	PD/PD Limit	Worst PD/PD values to be considered
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB		
C-BAND	3700,0	100	23,4	9	35,4 (+3dB)	3467	20	0,68981	1,000	1,61	5018	1,61	0,68981	0,68981

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

²PD = EIRP / (4πD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴See FCC ID: XS5-CAPL2CBAND, test report n. 2022-0535-EMC-TR-22-0178-V03 (2022-12-15), P.23

⁵+3dB considering MIMO mode for the 2 antenna ports