

Manufacturer: Andrew Wireless Systems

Name: Oscar Frau

Product: UAP 2 80-85/17E/19/37T

Title: Project Handler

FCC ID: XS5-UAP2885171937

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power ⁴	Tolerance	Antenna		EIRP ^{1,5}	EIRP	Distance	PD ²	PD Limit ³	Margin	PD/PD Limit	Worst PD/PD values to be considered
					Peak Gain ⁶									
	MHz	%	dBm	dB	dBi		dBm	mW	cm	mW/cm^2	mW/cm^2	dB		
LTE B5-B27	864,5	100	22,2	1	5,1		31,3 (+3dB)	1349	30	0,11930	0,576	6,84	0,20701	0,20701
LTE B66	2112,5	100	24,0	1	5,7		33,7 (+3dB)	2342	30	0,20712	1,000	6,84	0,20712	0,20712
LTE B25	1932,5	100	24,6	1	5,9		34,5 (+3dB)	2814	30	0,24885	1,000	6,04	0,24885	0,24885
C-BAND	3700,0	100	23,0	1	4,3		31,3 (+3dB)	1352	30	0,11956	1,000	9,22	0,11956	0,11956

FCC Co-Location = 0,78253 < 1

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 the following documents:

FCC ID: XS5-RML2B5-27

FCC ID: XS5-RML2B66

FCC ID: XS5-RML2B25

FCC ID: XS5-CAPL2CBAND

⁵+3dB considering MIMO mode

⁶See Operational Description