

**Manufacturer:** Andrew Wireless Systems

**Name:** Oscar Frau

**Product:** UAP 2 80-85/25T/34T/37T

**Title:** Project Handler

**FCC ID:** XS5-UAP2885253437

**Signature:**



### MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power <sup>4</sup> dBm	Tolerance dB	Antenna		EIRP <sup>1,5</sup> dBm	EIRP mW	Distance cm	PD <sup>2</sup> mW/cm <sup>2</sup>	PD Limit <sup>3</sup> mW/cm <sup>2</sup>	Margin dB	PD/PD Limit	Worst PD/PD values to be considered
					Peak Gain <sup>6</sup> dBi									
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 B41	2498,5	100	24,4	1	4,9	33,3 (+3dB)	2135	30	0,18875	1,000	7,24	0,18875	0,18875	
DoD	3450	100	24,1	1	4,3	32,4 (+3dB)	1758	30	0,15543	1,000	8,08	0,15543	0,15543	
C-Band	3700	100	23,0	1	4,3	31,3 (+3dB)	1352	30	0,11956	1,000	9,22	0,11956	0,11956	

FCC Co-Location = 0,67074 < 1

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

<sup>2</sup>PD = EIRP / (4πD<sup>2</sup>)

<sup>3</sup>CFR 47 Part 1, §1.1310(e), table 1

<sup>4</sup>See the following documents:

FCC ID: XS5-RML2B5-27

FCC ID: XS5-RML2B41

FCC ID: XS5-RML2BDOD

FCC ID: XS5-CAPL2CBAND

<sup>5</sup>+3dB considering MIMO mode

<sup>6</sup>See Operational Description