

Manufacturer: Andrew Wireless Systems

Name: Oscar Frau

Product: UAP 2 7E/17E/19/37T

Title: Project Handler

FCC ID: XS5-UAP27171937

Signature:



MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power ⁴ dBm	Tolerance dB	Antenna	EIRP ^{1,5} dBm	EIRP mW	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	PD/PD Limit	Worst PD/PD values to be considered
					Peak Gain ⁶ dBi								
LTE B12	731,5	100	22,5	1	3,7	30,2 (+3dB)	1048	30	0,09268	0,488	7,21	0,19004	
LTE B13	748,5	100	22,6	1	3,7	30,3 (+3dB)	1072	30	0,09476	0,499	7,21	0,18990	0,19004
LTE B14	760,5	100	22,5	1	3,7	30,2 (+3dB)	1054	30	0,09320	0,507	7,36	0,18382	
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 = 0,76557 < 1

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

²PD = EIRP / (4 π D²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴See the following documents:

FCC ID: XS5-RML2B12-13-14

FCC ID: XS5-RML2B66

FCC ID: XS5-RML2B25

FCC ID: XS5-CAPL2CBAND

⁵+3dB considering MIMO mode

⁶See Operational Description