

Manufacturer: Andrew Wireless System

Product: CAP H2 34T/37T

FCC ID: XS5-H23437HP

MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna	EIRP ¹ dBm	EIRP mW	Distance cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	2.1091 EIRP	2.1091 EIRP	PD/PD Limit
				Gain ⁶ dBi							Limit mW	Margin dB	
5G n77 port 1 ⁴	3450.0	100	43.2	13.00	56.20	416869	460	0.157	1.000	8.05	666286	2.04	0.15677
5G n77 port 2 ⁴	3450.0	100	43.2	13.00	56.20	416869	460	0.157	1.000	8.05	666286	2.04	0.15677
5G n77 port 1 ⁵	3840.0	100	45.1	13.00	58.10	645654	460	0.243	1.000	6.15	666286	0.1	0.24281
5G n77 port 2 ⁵	3840.0	100	45.2	13.00	58.20	660693	460	0.248	1.000	6.05	666286	0.0	0.24847

FCC Co-Location: 0.805 < 1

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), Table 1, (ii) Limits for General Population/Uncontrolled Exposure

⁴See test report n. REP156252, p.15

⁵See test report n. REP155885, p.36

⁶See FCC ID: XS5-H23437, RF Exposure Assessment 2024-0349-MPE-TR-24-0196-V02 and 2024-0349-MPE-TR-24-0197-V02, Ver.02, dated 2025-02-21

2.1091 EIRP Limit

1.1307 (b)(3)(i)(C) exemption limit

f MHz	R m	λ m	λ/2π m	R/(λ/2π)	Threshold	Threshold	Threshold	EIRP mW	Margin dB
					ERP W	EIRP W	EIRP mW		
3450.0	4.60	0.087	0.0138	332.4	406.3	666.3	666286	416869	2.0
3450.0	4.60	0.087	0.0138	332.4	406.3	666.3	666286	416869	2.0
3840.0	4.60	0.078	0.0124	370.0	406.3	666.3	666286	645654	0.1
3840.0	4.60	0.078	0.0124	370.0	406.3	666.3	666286	660693	0.0