

FCC 1.1310

FCC Equipment Class	Frequency MHz	Power dBm	Antenna Gain dBi	EIRP dBm	EIRP mW	Distance D cm	Limit mW/cm ²	PD mW/cm ²	PD/Limit	Margin dB
CBD ¹	3550			40,76	11912	50	1,00	0,3792	0,3792	4,2

$$PD = EIRP / (4\pi D^2) \text{ mW/cm}^2$$

$$\text{Limit} = 1 \text{ mW/cm}^2 \text{ (f > 1500 MHz)}$$

$$^1EIRP = EIRP \text{ over entire bandwidth per antenna port} + 3 \text{ dB (MIMO config)} = 37,76 + 3 = 40,76 \text{ dBm}$$