

FCC 1.1310

FCC Equipment Class	Frequency MHz	Power dBm	Antenna		EIRP dBm	EIRP mW	Distance D cm	PD mW/m^2	Limit mW/cm^2	Margin dB	PD/Limit
			Gain dBi								
CBD ¹	3350				36.0	3981	100	0.0317	1.00	15.0	0.0317
PCB ²	2110	30.0	12		42.0	15849	100	0.1261	1.00	9.0	0.1261
PCB ²	2350	30.0	12		42.0	15849	100	0.1261	1.00	9.0	0.1261
$PD = EIRP / (4 \times \pi \times D^2)$										co-location Σ =	0.2839

¹EIRP = EIRP over entire bandwidth per antenna port + 3 dB = 33 + 3 = 36 dBm

²EIRP = output power per antenna port + 3 dB + antenna gain dBi = 27 + 3 + 12 = 42 dBm