

	Power	25	Watts	
	Frequency	854	MHz	
	N	1 to 8	number of carriers	
	Gain	12	dBi	
	L cable loss	1	dB	
general public	S (GP) power density limit	5.69	W/m ²	
occupational	S (O) power density limit	28.5	W/m ²	
N	P	EIRP	R (m) GP*	R (m) O*
	W	W	W/m ²	W/m ²
1	20	317	2.1	0.9
2	40	634	3.0	1.3
3	60	951	3.6	1.6
4	80	1268	4.2	1.9
5	100	1585	4.7	2.1
6	120	1902	5.2	2.3
7	140	2219	5.6	2.5
8	159	2520	5.9	2.7

*Safe distance R= $\sqrt{[(EIRP) / (4\pi S)]}$