CAP M 6/6/7E/7E F-AC
CAP M 6/6/7E/7E F-DC

MPE limits for FCC, 1.1310 **§90.219 (d)(3)(i)**

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna Gain[9] dBi	Directional Antenna Gain[8] dBi	EIRP[5] dBm	EIRP mW	ERP[7] dBm	ERP W	Distance D cm	PD[6] mW/cm^2	PD Limit mW/cm^2	Margin dB	ERP Limit W	PD/PD Limit
617,0 - 652,0 MHz[1]	634.5	100	29.00	7.0	10.0	39.0	7962	36.86	4.85	110	0.0524	0.423	9.07	5	0.12379
729,0 - 746,0 MHz[2]	737.5	100	29.00	7.0	10.0	39.0	7962	36.86	4.85	110	0.0524	0.492	9.73	5	0.10650
746,0 - 756,0 MHz[3]	751.0	100	29.00	7.0	10.0	39.0	7962	36.86	4.85	110	0.0524	0.501	9.81	5	0.10459
758,0 - 768,0 MHz[4]	763.0	100	29.00	7.0	10.0	39.0	7962	36.86	4.85	110	0.0524	0.509	9.87	5	0.10294

FCC Co-Location = **0.43783** **< 1**

MPE limits for Innovation, Science and Economic Development Canada, RSS-102 Issue 5

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna Gain[9] dBi	Directional Antenna Gain[8] dBi	EIRP[5] dBm	EIRP W	Distance D m	PD[6] W/m^2	PD Limit W/m^2	Magin dB	RSS 102 §2.5.2 Lim. W	RSS 102 §2.5.2 Marg. dB	PD/PD Limit
617,0 - 652,0 MHz[1]	634.5	100	29.00	7.0	10.0	39.0	7.962	1.10	0.524	2.15	6.14	1.078	-8.69	0.24306
729,0 - 746,0 MHz[2]	737.5	100	29.00	7.0	10.0	39.0	7.962	1.10	0.524	2.39	6.59	1.194	-8.24	0.21932
746,0 - 756,0 MHz[3]	751.0	100	29.00	7.0	10.0	39.0	7.962	1.10	0.524	2.42	6.64	1.209	-8.19	0.21661
758,0 - 768,0 MHz[4]	763.0	100	29.00	7.0	10.0	39.0	7.962	1.10	0.524	2.44	6.69	1.222	-8.14	0.21428

Canada Co-Location = **0.89327** **< 1**

[1]TR: 382048TRFWL.pdf
[2]TR: 382048-1TRFWL.pdf
[3]TR: 382048-2TRFWL.pdf
[4]TR: 382048-3TRFWL.pdf
[5]EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100
[6]PD = EIRP / ($4\pi r x D^2$)
[7]ERP = EIRP - 2,15
[8]Directional Antenna Gain = G_{ANT} + 10 x Log (N_{ANT}/N_{SS}), KDB 662911 D01 §F (2)(e)(i)
where (worst case): $N_{ANT} = 2$
$N_{SS} = 1$
[9]G_{ANT}: customer declaration (see user manual, page 18)