**FCC ID: XS5-CAPM47080**
**MPE limits for FCC, 1.1310**                                                                                                     **§90.219 (d)(3)(i)**

| Mode | Frequency MHz | Duty Cycle % | Power dBm | Antenna Gain dBi | EIRP[7] dBm | EIRP mW | ERP dBm | ERP W | Distance D cm | PD[8] mW/cm^2 | PD Limit mW/cm^2 | Margin dB | ERP Limit W | PD/PD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 406,1 - 420,0 MHz[1] | 413.0010 | 100 | 22.00 | 16.7 | 38.7 | 7413 | 36.55 | 4.52 | 130 | 0.0349 | 0.275 | 8.97 | 5 | 0.12678 |
| 450,0 - 512,0 MHz[2] | 491.0000 | 100 | 22.00 | 17.00 | 39.0 | 7943 | 36.85 | 4.84 | 130 | 0.0374 | 0.327 | 9.42 | 5 | 0.11426 |
| 758,0 - 768,0 MHz[3] | 762.8280 | 100 | 31.00 | 7.90 | 38.9 | 7762 | 36.75 | 4.73 | 130 | 0.0366 | 0.509 | 11.43 | 5 | 0.07187 |
| 769,0 - 775,0 MHz[4] | 771.9995 | 100 | 31.00 | 7.2 | 38.2 | 6607 | 36.05 | 4.03 | 130 | 0.0311 | 0.515 | 12.19 | 5 | 0.06045 |
| 851,0 - 861,0 MHz[5] | 855.9990 | 100 | 31.00 | 8.00 | 39.0 | 7943 | 36.85 | 4.84 | 130 | 0.0374 | 0.571 | 11.83 | 5 | 0.06554 |
| 862,0 - 869,0 MHz[6] | 865.4990 | 100 | 31.00 | 7.20 | 38.2 | 6607 | 36.05 | 4.03 | 130 | 0.0311 | 0.577 | 12.7 | 5 | 0.05392 |

**FCC Co-Location =**    **0.49282**    **< 1**

**IC: 2237E-CAPM47080**    **HVIN: CAP M 4/70/80 F-AC; CAP M 4/70/80 F-DC**
**MPE limits for Innovation, Science and Economic Development Canada, RSS-102 Issue 5**

| Mode | Frequency MHz | Duty Cycle % | Power dBm | Antenna Gain dBi | EIRP[7] dBm | EIRP W | Distance D m | PD[8] 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 406,1 - 420,0 MHz[1] | 413.0010 | 100 | 22.00 | 16.7 | 38.7 | 7.413 | 1.3 | 0.349 | 1.61 | 6.63 | 0.804 | -9.65 | 0.21728 |
| 450,0 - 512,0 MHz[2] | 491.0000 | 100 | 22.00 | 17.00 | 39.0 | 7.943 | 1.3 | 0.374 | 1.81 | 6.84 | 0.904 | -9.44 | 0.20686 |
| 758,0 - 768,0 MHz[3] | 762.8280 | 100 | 31.00 | 7.90 | 38.9 | 7.762 | 1.3 | 0.366 | 2.44 | 8.25 | 1.222 | -8.03 | 0.14960 |
| 769,0 - 775,0 MHz[4] | 771.9995 | 100 | 31.00 | 7.2 | 38.2 | 6.607 | 1.3 | 0.311 | 2.46 | 8.99 | 1.232 | -7.29 | 0.12629 |
| 851,0 - 861,0 MHz[5] | 855.9990 | 100 | 31.00 | 8.00 | 39.0 | 7.943 | 1.3 | 0.374 | 2.64 | 8.5 | 1.322 | -7.79 | 0.14149 |
| 862,0 - 869,0 MHz[6] | 865.4990 | 100 | 31.00 | 7.20 | 38.2 | 6.607 | 1.3 | 0.311 | 2.66 | 9.3 | 1.332 | -6.95 | 0.11680 |

**Canada Co-Location =**    **0.95832**    **< 1**

[1] TR: 372462-5TRFWL.pdf
[2] TR: 372462-6TRFWL.pdf
[3] TR: 372462-3TRFWL.pdf
[4] TR: 372462-4TRFWL.pdf
[5] TR: 372462-1TRFWL.pdf
[6] TR: 372462-2TRFWL.pdf
[7] EIRP = ( Power dBm + Antenna Gain dBi ) + 10 x Log ( Duty Cycle % / 100 )
[8] PD = EIRP / $(4 x \pi x D^2)$