

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/cm²	PD Limit mW/cm²	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

¹TR: 372462-5TRFWL.pdf

²TR: 372462-6TRFWL.pdf

³TR: 372462-3TRFWL.pdf

⁴TR: 372462-4TRFWL.pdf

⁵TR: 372462-1TRFWL.pdf

⁶TR: 372462-2TRFWL.pdf

⁷EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

⁸PD = EIRP / (4xπxD²)