

FCC ID: Z5W-10520181

FCC 1.1310 General Population/Uncontrolled Exposure

Frequency (F)	Power (P)	Duty Cycle (D)	Antenna Gain (G)	EIRP ¹	EIRP	Distance (R)	Power Density ² (PD)	Limit ³	Margin	PD/Limit
MHz	dBm	dB	dBi	dBm	mW	cm	mW/m ²	mW/cm ²	dB	
851.1	47.47	0.00	10	57.5	558470.19	450	0.21946	0.567	4.1	0.3868
860	47.56	0.00	10	57.6	570164.27	450	0.224	1.0	6.5	0.224
868.8	47.80	0.00	10	57.8	602559.59	450	0.2368	1.0	6.26	0.2368

Maximum allowable antenna gain: 13.88 dBi

IC: 10159A-10520181

CANADA RSS-102, Issue 5 General Population/Uncontrolled Exposure

Frequency (F)	Power (P)	Duty Cycle (D)	Antenna Gain (G)	EIRP ¹	EIRP	Distance (R)	Power Density ² (PD)	Limit ⁴	Margin	PD/Limit	Exemption Limit ⁵
MHz	dBm	dB	dBi	dBm	W	m	W/m ²	W/m ²	dB		W
851.1	47.47	0.00	10	57.5	558.47019	4.5	2.1946	2.63	0.79	0.8335	1.32
860	47.56	0.00	10	57.6	570.16427	4.5	2.24	2.652	0.7	0.845	1.33
868.8	47.80	0.00	10	57.8	602.55959	4.5	2.368	2.67	0.5	0.887	1.34

Maximum allowable antenna gain: 10.52 dBi

¹EIRP = P + D + G

²Power Density = EIRP/(4πR²); Health Canada Technical Guide - Safety Code 6_2015, Eq 5-6 at 5.2; OET Bulletin 65, Edition 97-01, August 1997, Eq (4)

³FCC 1.1310 Table 1; Limit = F/1500 (300 ≤ F ≤ 1,500); Limit = 1 (1,500 MHz ≤ F ≤ 100,000 MHz)

⁴RSS-102 Issue 5 Table 4; Limit = 0.02619 × F^{0.6834} (300 MHz ≤ F ≤ 6,000 MHz)

⁵RSS-102 Issue 5 at 2.5.2; Exemption Limit = 1.31 × 10⁻² × F^{0.6834} (300 MHz ≤ F < 6 GHz)