

FCC ID: XGS-ST9100

FCC 1.1310 General Population/Uncontrolled Exposure

Frequency MHz	Power dBm	Antenna		EIRP ¹ dBm	EIRP mW	Distance D cm	Duty Cycle %	PD ² mW/m ²	Limit ³ mW/cm ²	Margin dB
		Gain dBi								
1626	30.90	4.5		35.4	3467	20	40	0.276	1.00	5.59

IC: 11881A-ST9100, HVIN: ST9100-D01 and ST9100-C01

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

Frequency MHz	Power dBm	Antenna		EIRP ¹ dBm	EIRP W	Distance D m	Duty Cycle %	PD ² W/m ²	Limit ³ W/m ²	Margin dB
		Gain dBi								
1626	30.90	4.5		35.4	3.467	0.2	40	2.76	4.10	1.72

¹EIRP = Power dBm + Antenna Gain dBi

²Power Density PD = $EIRP / (4\pi \times D^2) \times (\text{duty cycle}/100)$ [Health Canada Technical Guide - Safety Code 6_2015, Eq 5-6 at 5.2; OET Bulletin 65, Edition 97-01, August 1997, Eq (4)]

³RSS-102 Issue 5 Table 4; FCC 1.1310 Table 1

⁴RSS-102 Issue 5 at 2.5.2