

## DRAFT OF USER MANUAL SUPPLEMENT FOR US & CANADA

The EIRP relaxation for point-to-point operation applies at 2.4 GHz (3:1 rule) and 5.8 GHz (no EIRP limit, i.e. unlimited antenna gain). At 2.4 GHz, the 3:1 rule is defined as follows. For every 3 dB of antenna gain exceeding 6 dBi, power delivered to the antenna must be reduced 1 dB below the otherwise permitted maximum transmitter peak output power of 1 watt (30 dBm or 0 dBW). The power level delivered to the antenna at **2.4 GHz (S-band)** in **point-to-point** operation can be calculated as the **lessor** of:

**Power delivered to antenna** = Lesser value in Table 1 or Table 2

$$30 \text{ dBm} - \frac{(\text{Gain Antenna} - 6\text{dBi})}{3}$$

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**NOTE:** Exceeding specified levels may create an installation that violates FCC Rules and Regulations or Canadian IC requirements

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**Table 1**  
Product Power Limits

S-Band	USA				Canada
	Antennas				
	DataMetro 320	0 dBi	8 dBi	16 dBi	24 dBi
Ch 1	29 dBm	28 dBm	27 dBm	24 dBm	29 dBm*
Ch 2	29 dBm	28 dBm	27 dBm	24 dBm	
Ch 12	29 dBm	28 dBm	27 dBm	24 dBm	
Ch 13	28 dBm	27 dBm	26 dBm	24 dBm	
Ch 14	17 dBm	14 dBm	7 dBm	7 dBm	
All others not listed	29 dBm	29 dBm	27dBm	24 dBm	
DataMetro 1280					
	0 dBi	8 dBi	16 dBi	24 dBi	See Local Agent
Ch 1	22 dBm	20 dBm	21 dBm	7 dBm	
Ch 2	25 dBm	22 dBm	24 dBm	24 dBm	
Ch 3	29 dBm	28 dBm	27 dBm	24 dBm	
Ch 4	29 dBm	28 dBm	27 dBm	24 dBm	
Ch 5	28 dBm	27 dBm	27 dBm	24 dBm	
Ch 6	25 dBm	23 dBm	23 dBm	14 dBm	
Ch 7	21 dBm	17 dBm	15 dBm	NOT USED	
Ch 8	19 dBm	16 dBm	15 dBm	NOT USED	
Ch 9	19 dBm	15 dBm	15 dBm	NOT USED	

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\* Subject to 36 dBm EIRP in Canada