

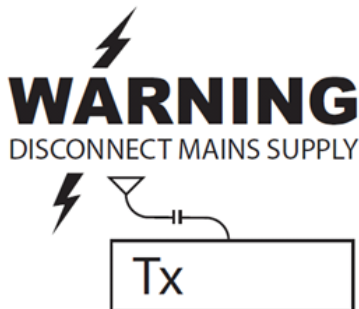
# CC and CO Series Antennas Installation Guide

Please Ensure, SAFETY AT ALL TIMES

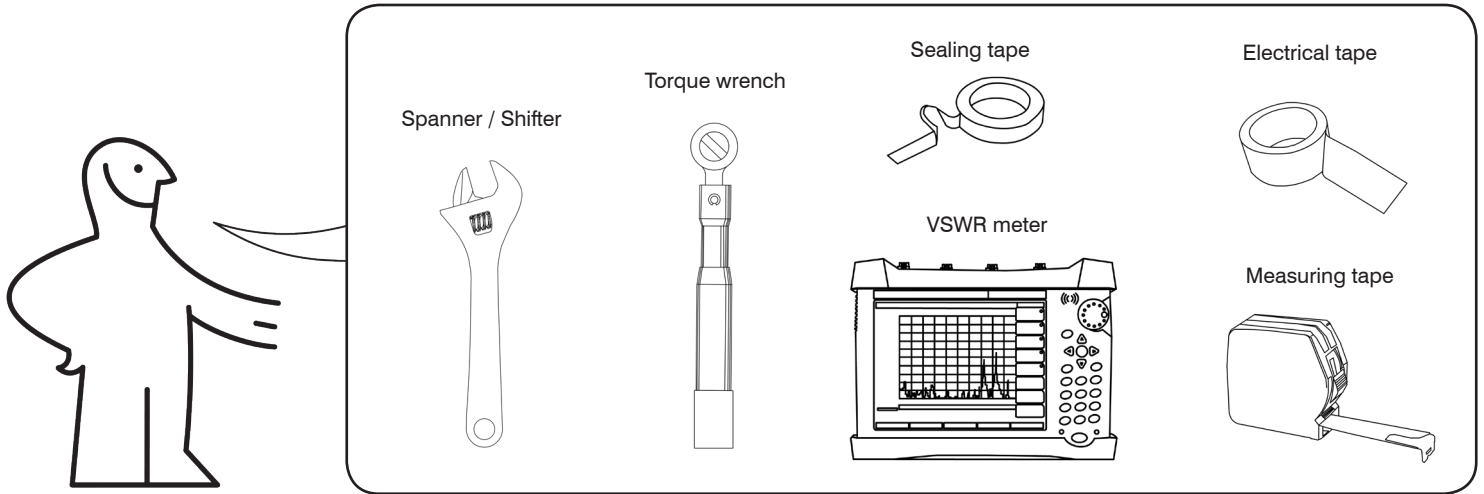


**DO NOT INSTALL NEAR POWER LINES, TELEPHONE LINES AND GUY WIRES. THEY ALL LOOK THE SAME SO ASSUME ANY WIRE OR LINE CAN ELECTROCUTE YOU.**

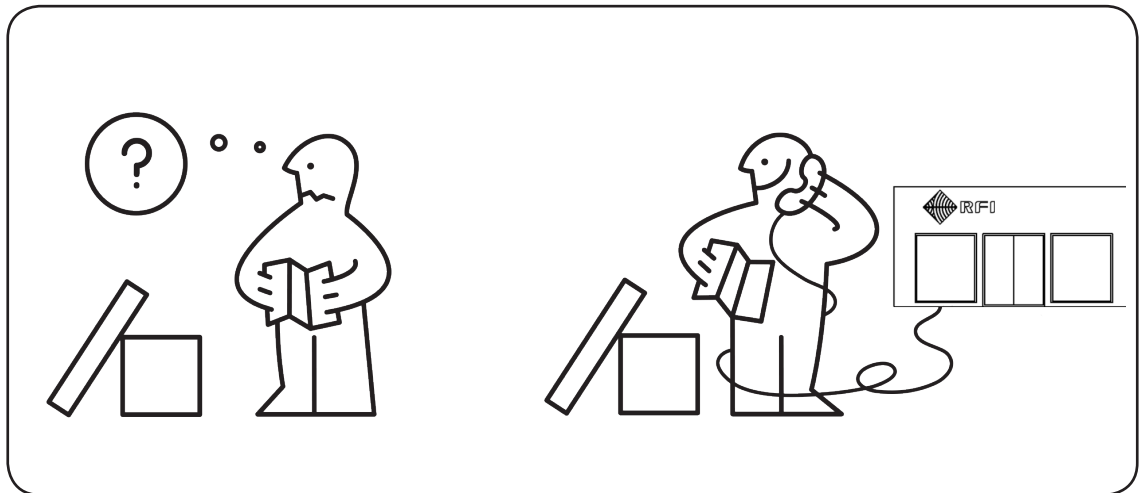
Disconnect all power to transmitters related to the installation.



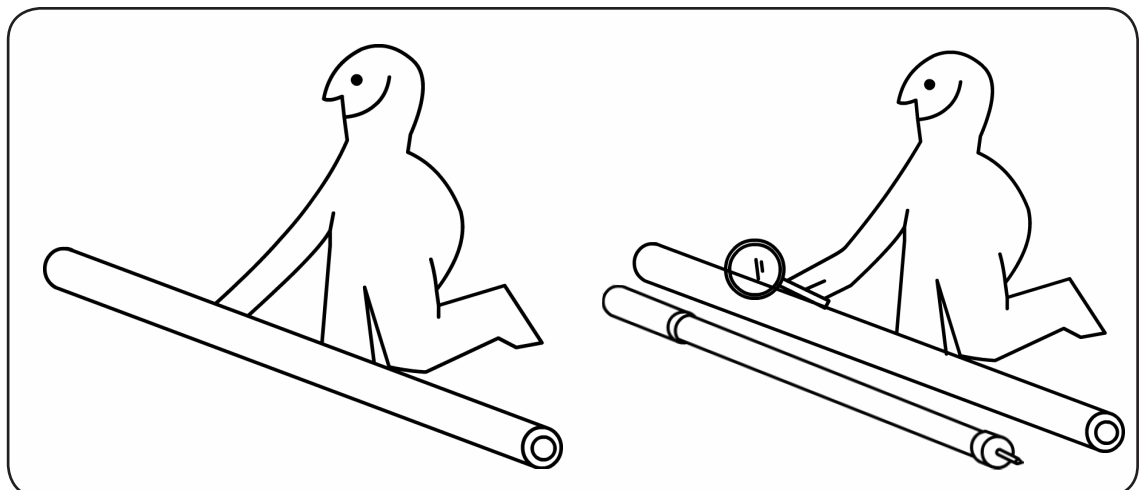
Tools and equipment that may be required:



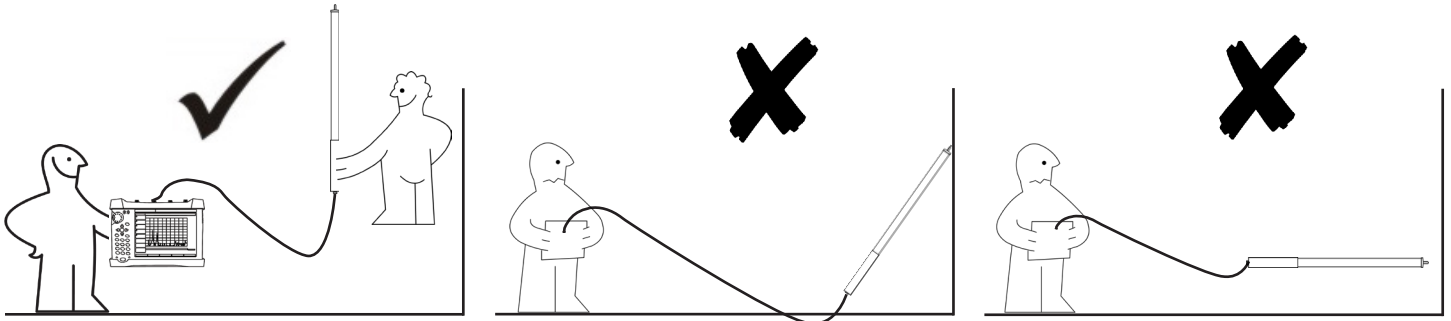
Any **QUESTIONS** contact your RFI representative.




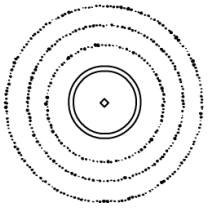

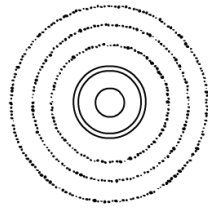
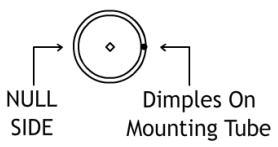
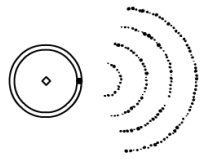
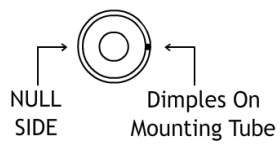
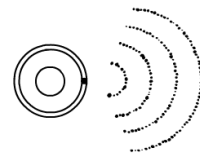
1. Check carton tube and take out antenna for transport damage.



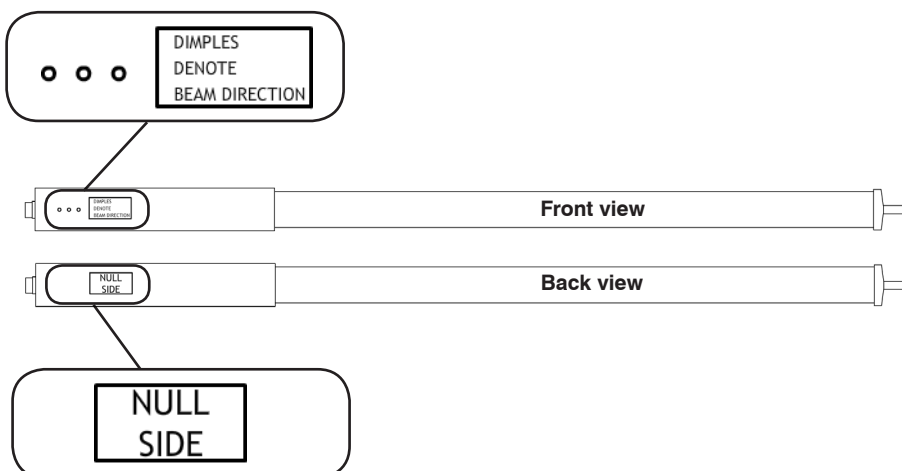
## 2. VSWR test antenna prior to installation.



## 3. Install antenna upright (normal mounting) or upside down (inverted mounting)

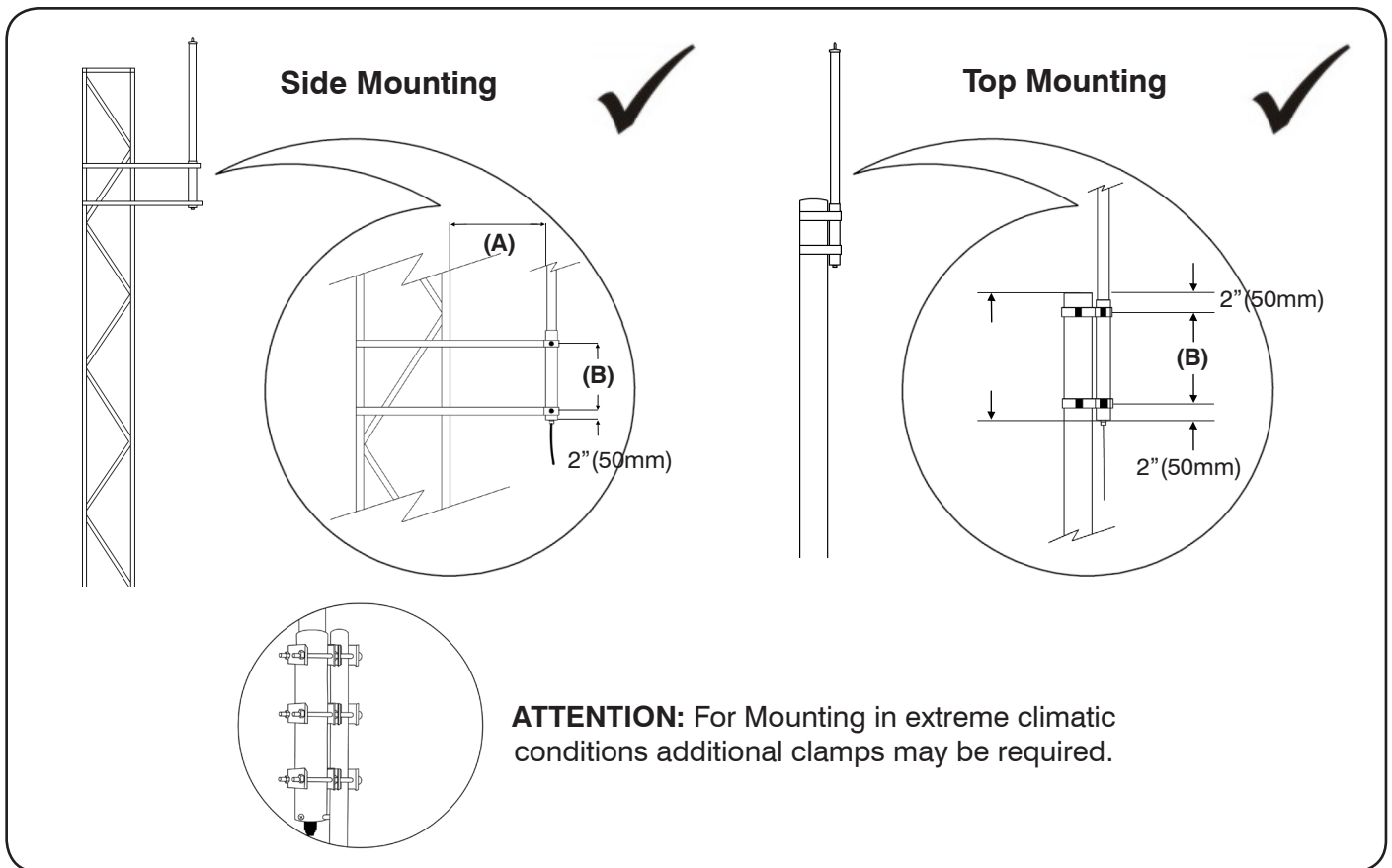
Normal Mounting	Beam Direction	Inverted Mounting	Beam Direction
Corporate Collinear (CC Series)	Bird View	Corporate Collinear (CC Series)	Bird View
			
Corporate Offset (CO Series)	Bird View	Corporate Offset (CO Series)	Bird View
			
<b>Normal Mounting</b>		<b>Inverted Mounting</b>	

### 3.1 How to identify CO Series antenna beam direction

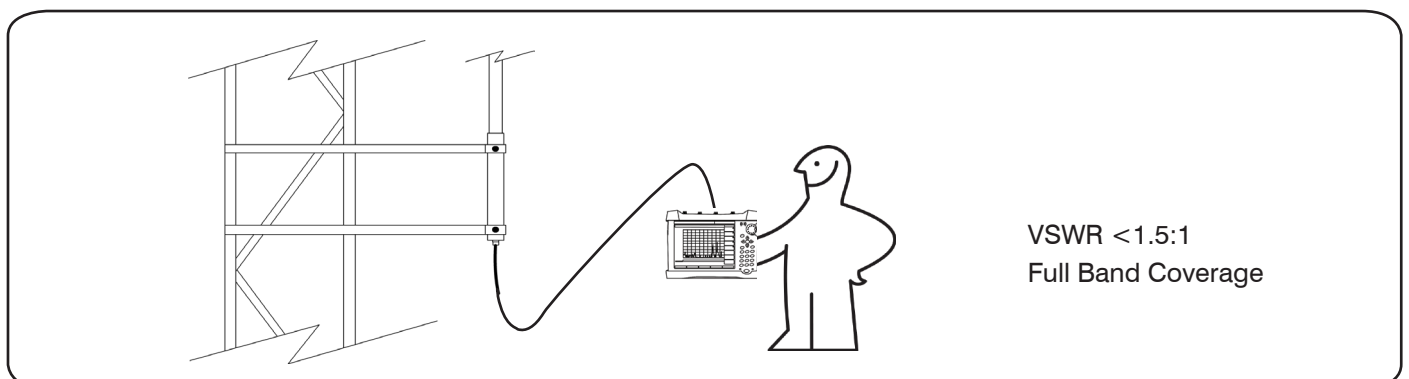


#### 4. SPACING. Antenna to Structure and Clamping dimensions

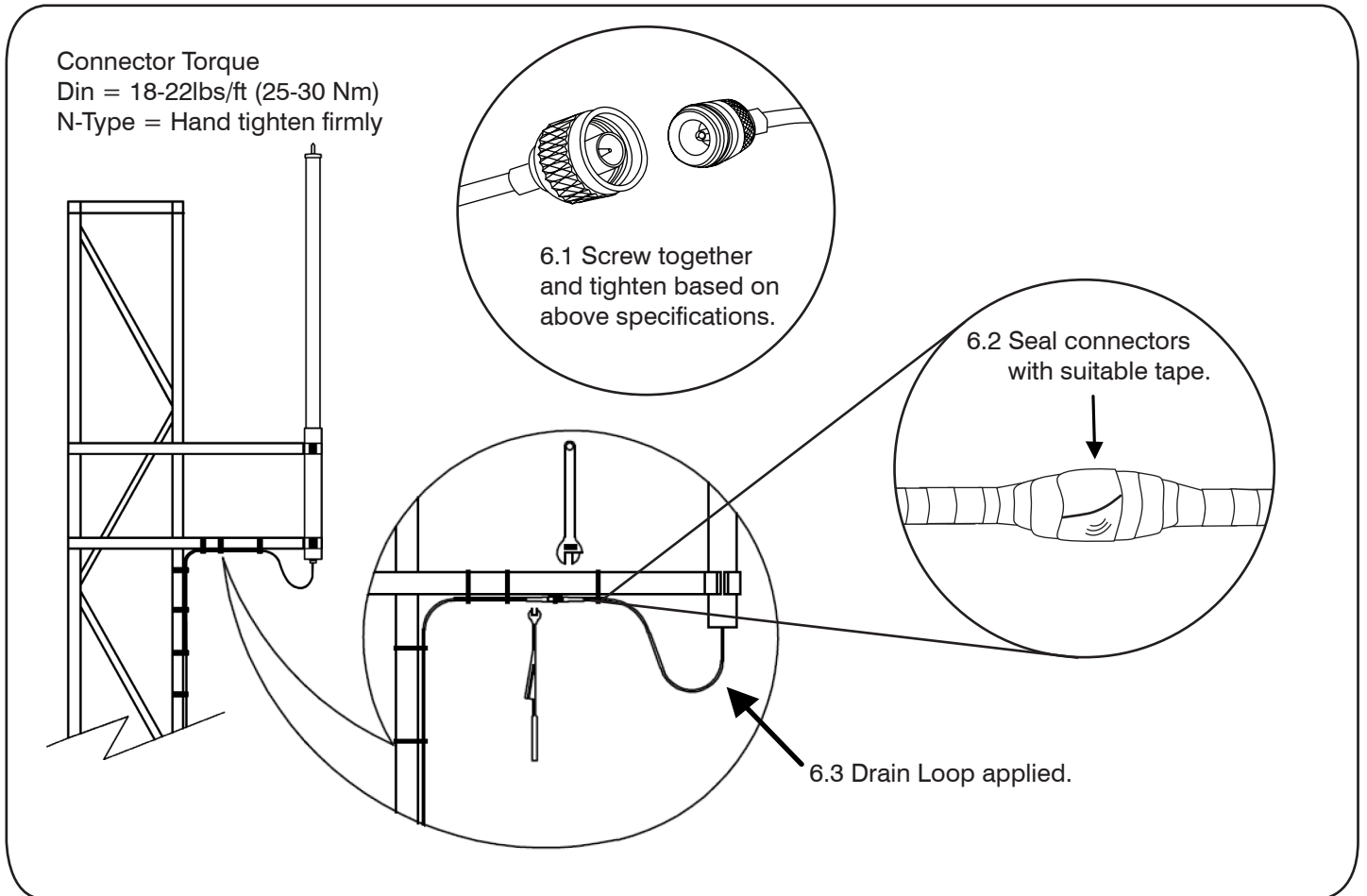
Band	Frequency MHz	Minimum Antennas to Structure spacing (A)		Clamping dimensions (B)	
		Inches	mm	Inches	mm
UHF	380	31.1	790	19.7	500
	400	30	762		
	415	28	712		
	430	27	686		
	445	27	686		
	460	26	660		
	475	25	635		
	490	24	609		
	505	23	584		
	520	23	584		
800 MHz	746 - 870	16	400	19.7	500



#### 5. VSWR test the antenna **after** mounting.



6. Torque connector(s) and weatherproof. Drain loop must be applied.



7. Take installation photos and store with VSWR results with site records.

