

# C Approved Antenna Configurations

This appendix lists approved U.S. antenna configurations (Figure 31), Japanese antenna configurations (Figure 32), and the correct Tropos ordering numbers (Figure 33).

Figure 31 U.S., Canada Antenna Configurations

Order Number	Product Description	FCC Certified Antenna Configurations				
		Peak Conducted Output Power	Unit-Mounted 7.4dBi Omni :	Mast-Mounted Cable Attached up to 7.4dBi	Mast-Mounted Cable Attached up to 12dBi:	Mast-Mounted Cable Attached up to 17dBi:
51102100	Tropos 5110; (-35° to 55° C); N connectors; bracketry	28 dBm		Up to 35.4 dBm EIRP		
51103000	Tropos 5110; (-35° to 55° C); 7.4dBi omni antennas; bracketry	28 dBm	35.4 dBm EIRP			
51102200	Tropos 5110B; (-35° to 55° C); Battery backup; N connectors; bracketry	28 dBm		Up to 35.4 dBm EIRP		
51103100	Tropos 5110B; (-35° to 55° C); Battery backup, 7.4 dBi omni, antennas, bracketry	28 dBm	35.4 dBm EIRP			
51102000	Tropos 5110L; (-35° to 55° C); N connectors; bracketry	24 dBm			Up to 36.0 dBm EIRP	
51102400	Tropos 5110LB; (-35° to 55° C); Battery backup; Battery backup; N connectors; bracketry	24 dBm	31.4 dBm EIRP		Up to 36.0 dBm EIRP	
51102001	Tropos 5110L; (-35° to 55° C); N connectors; bracketry	19 dBm				Up to 36.0 dBm EIRP
51102401	Tropos 5110LB; (-35° to 55° C); Battery backup; Battery backup; N connectors; bracketry	19 dBm	26.4 dBm EIRP			Up to 36.0 dBm EIRP

Figure 32 Japanese TELEC Certified Antenna Configurations

Japan, TELEC		Average Conducted Output Power	Unit-Mounted 7.4dBi Omni : AN-074-OM-UM-N-O	Mast-Mounted Cable Attached 7.4dBi Omni: AN-074-OM-MM-N-O	Sector Antenna 12dBi: AN-120-PH-WM-N-O
51102501	Tropos 5110L; (-35° to 55° C); 7.4dBi omni antennas; bracketry	4.1 dBm/MHz	11.5 dBm/MHz EIRP		
51102701	Tropos 5110L; (-35° to 55° C); N connectors; bracketry; for use with directional antennas	4.1 dBm/MHz		11.5 dBm/MHz EIRP	16.1dBm dBm/MHz EIRP
51102601	Tropos 5110L; (-35° to 55° C); Battery backup; 7.4dBi omni antennas; bracketry	4.1 dBm/MHz	11.5 dBm/MHz EIRP		
51102801	Tropos 5110L; (-35° to 55° C); Battery backup; N connectors; for use with directional antennas; bracketry	4.1 dBm/MHz		11.5 dBm/MHz EIRP	16.1dBm dBm/MHz EIRP

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Figure 33 Antenna Ordering Numbers

<b>Tropos Ordering Number</b>	<b>Antennas:</b>
AN-074-OM-UM-N-O	One outdoor 7.4dBi omni unit-mounted antenna; N connector
AN-074-OM-MM-N-O	One outdoor 7.4dBi omni mast-mounted antenna; N connector; Mounting Bracket; Sealing Materials; N Adapter (RF cable not included)
AN-120-PH-WM-N-O	One outdoor 12.0dBi patch antenna 90° sector; N connector with pole-mount bracketry; Sealing Materials (RF cable not included)
AN-099-OM-MM-N-O	One outdoor 9.9dBi omni mast-mounted antenna; N connector; Mounting Bracket; Sealing Materials
AN-120-OM-MM-N-O	One outdoor 12.0dBi omni mast-mounted antenna; N connector; Mounting Bracket; Sealing Materials
AN-170-PH-WM-N-O	One outdoor 17.0dBi patch antenna 45° sector; N connector with pole-mount bracketry; Sealing Materials (RF cable not included)
<b>Tropos Ordering Number</b>	<b>Cables &amp; Accessories:</b>
RC003400	3' N (male) to N (male) cable - LMR 400 DB
RC006400	6' N (male) to N (male) cable - LMR 400 DB
RC005000	50 ohm Terminator - N (male); Sealing Materials
RC008000	Sealing Kit - Loctite242, EPR Rubber Splicing Tape
RC009000	N adapter for 7.4dBi mast-mounted antenna to N (male) cable