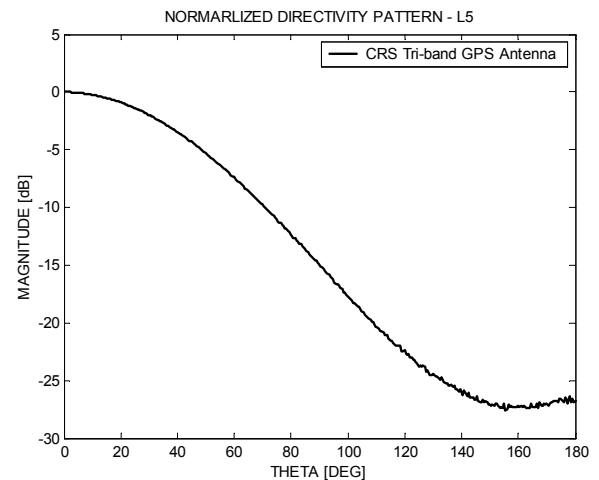
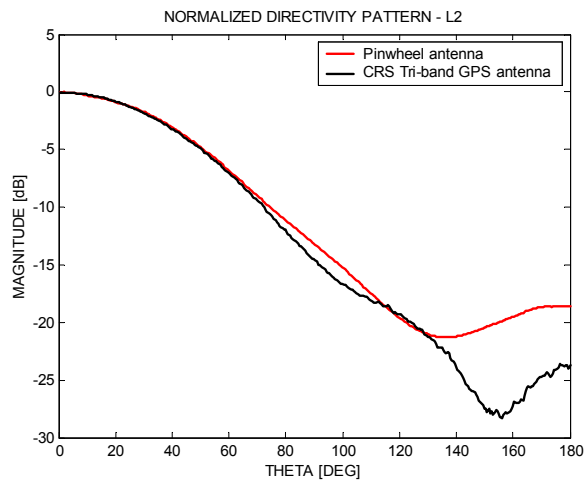
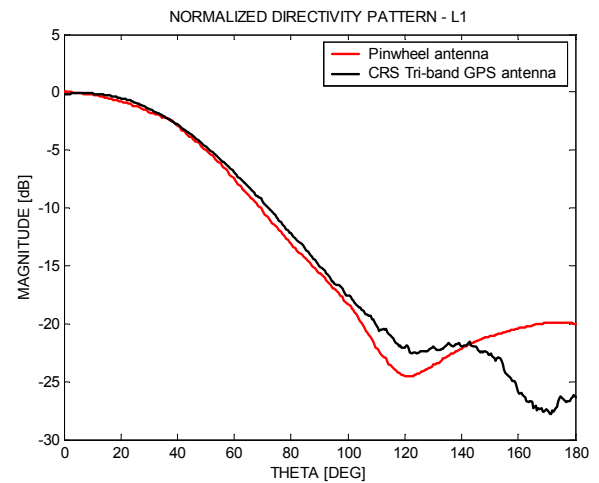
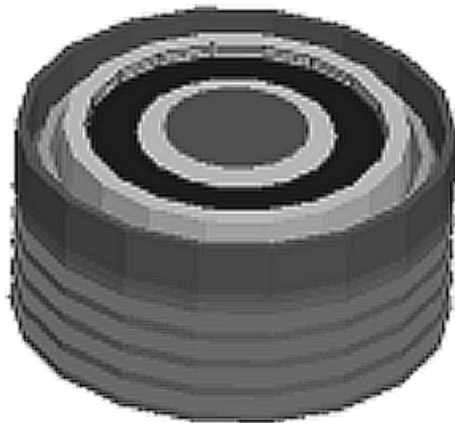


Tri-band GPS Antenna

(GPS-TBAN-L1L2L5-04)

COVERING L₁, L₂ AND L₅ BAND



Tri-band Antenna

CRS Tri-band GPS antenna is the world's first tri-band GPS antenna covering three GPS bands (L_1 , L_2 , and L_5). It is compact in size and has excellent multipath rejection capabilities. This antenna eliminates both co- and cross-polarization signals coming below horizon. Superior cross-polarization rejection (-20 dB) is achieved in the upper hemisphere. It is equipped with a new type vertical choke ring developed by CRS (US Patent 6,940,457 Sept. 6, 2005). The new vertical choke ring has identical performances compared with conventional choke rings, but with much reduced sizes (size reduction by 25 percent).

Unlike conventional choke rings, the new choke ring is designed to be effective for all operating frequencies. Typically, the multipath signal is in both polarizations. For a good multipath resiliency, the antenna must have minimal reception from the backside of the antenna for both polarizations. CRS Tri-band antenna takes the best countermeasure for this requirement.

SPECIFICATIONS

Frequency:	1,575.42 MHz (L_1), 1,227.60 MHz (L_2), 1,176.45 MHz (L_5)
Impedance:	50 Ohms Nominal
VSWR:	1.5: Typ.
Polarization:	Right hand circular
Gain:	26 dBic Typ.
Cross Pol. Rejection:	Better than 20 dB