

Multiband GNSS Global Navigation Antenna

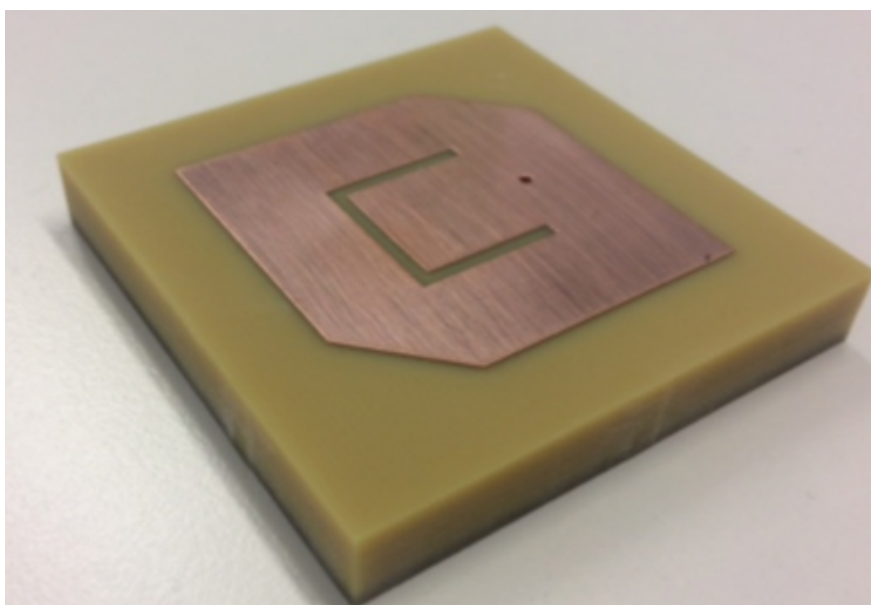
M-GNSSB-ANT Previously named SI-L1560

Multiband GNSS Antenna

Overview

The M-GNSSB-ANT antenna provides operation over the approximate frequency range 1560 MHz to 1610 MHz covering the GPS L1, GLONASS G1 and BeiDou B1 bands.

Multiple frequency coverage improves DOP (Dilution of Precision). Provides the best possible accuracy by having a lock on the greatest number of satellites.



Features

- Small profile of 58 x 58 x 9mm makes it ideal for mounting in confined spaces.
- Typically the axial ratio is maintained at <3dB across the entire band with gain of 2-3 dB.

Applications

- Transportation.
 - Road user.
 - Rail operators.
 - Harbour traffic.
 - HGVs and logistics fleets.
- Defense.
- Hiking.
- Urban canyons (tall buildings).

Antenna Performance

The antenna has a typical axial ratio of <3dB across the 1560MHz to 1610MHz frequency band with a typical RHCP gain of 3dB.

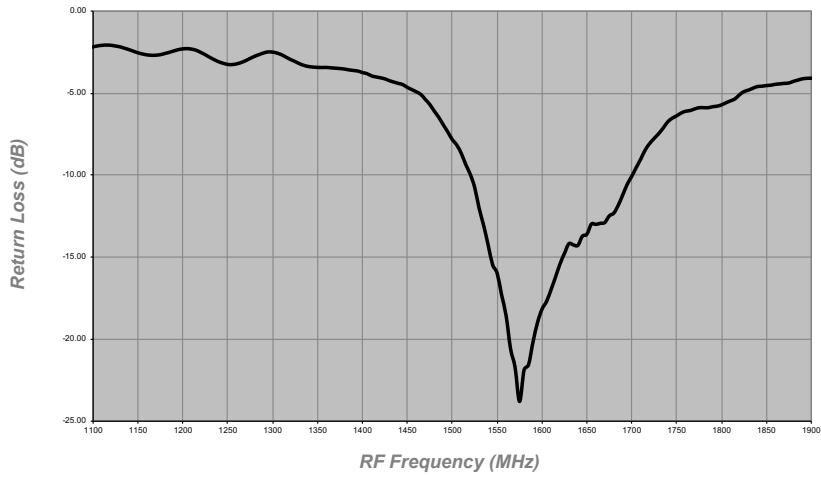


Figure 1
Return Loss

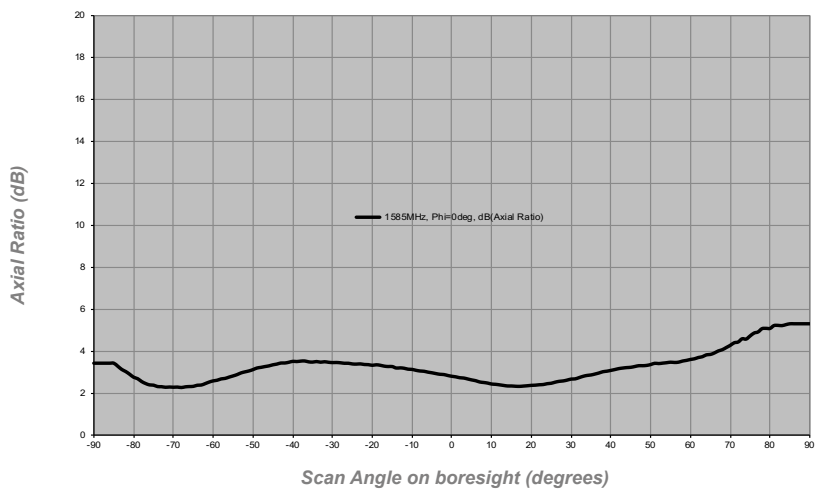


Figure 2
Axial Ratio

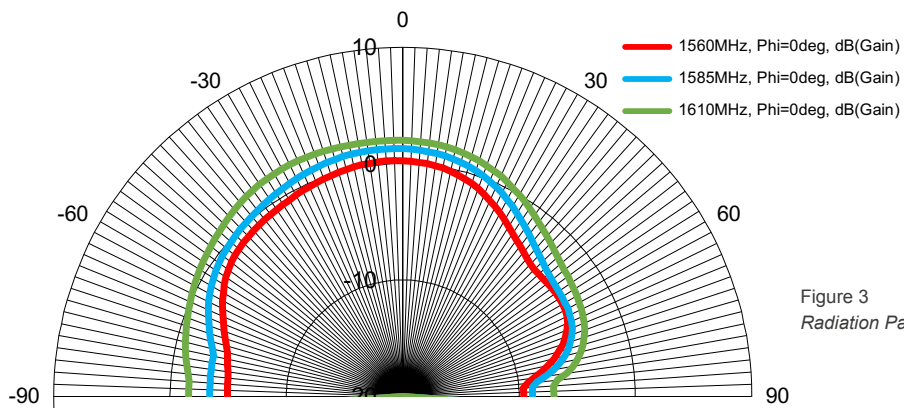
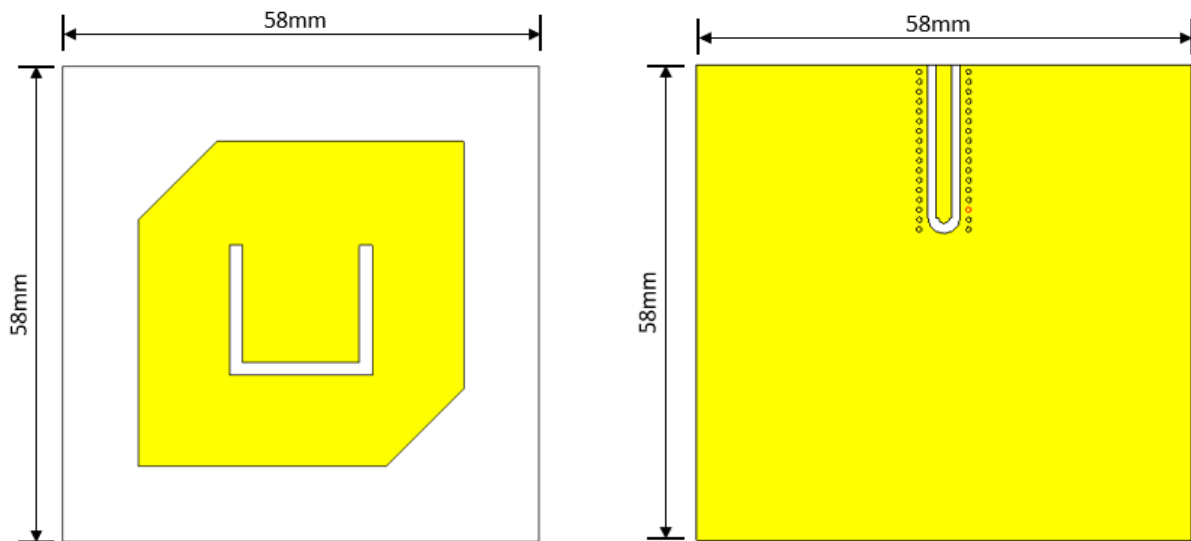


Figure 3
Radiation Pattern

Antenna dimensions



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