



SEVEN ELEMENT GNSS ARRAY

TRC-9T-PGNSS-7CRPA



ELEMENTS

Passive
Frequency: L1/L2 GNSS (1164-1300 & 1559-1611 MHz)
Polarization: RHCP or dual pol RHCP/LHCP

ENVIRONMENTAL

Vibration, shock, and thermal data available upon request

PHYSICAL SPECIFICATIONS

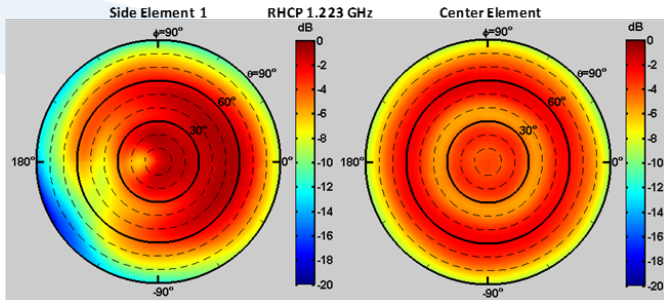
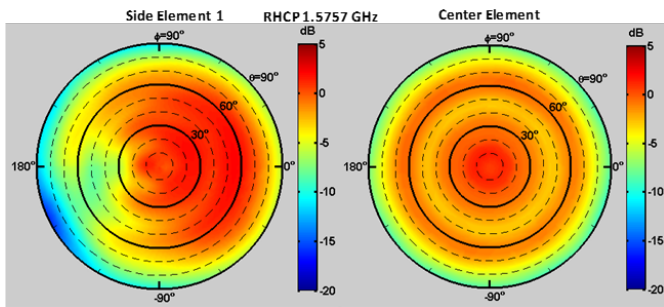
Outer diameter: 9.185"
Weight: 1,460 grams
ICD available on request

FEATURES

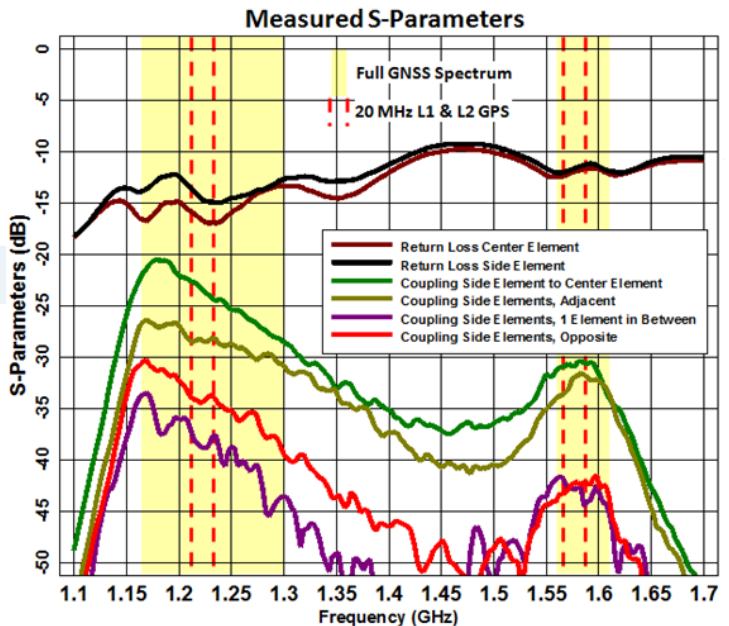
Recessed elements in metallic cavities, high element to element isolation, enhanced horizon coverage, full GNSS frequency coverage, high efficiency, flush-mount

MEASUREMENTS

All measurements made on 3-foot circular groundplane; full manifold including vertical and horizontal polarizations available on request. Evaluation hardware available

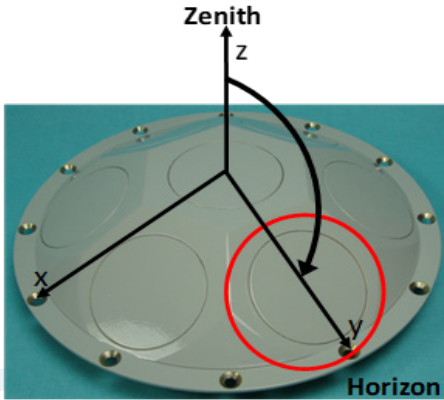


Radiation patterns of side and center elements at upper and lower frequency bands.

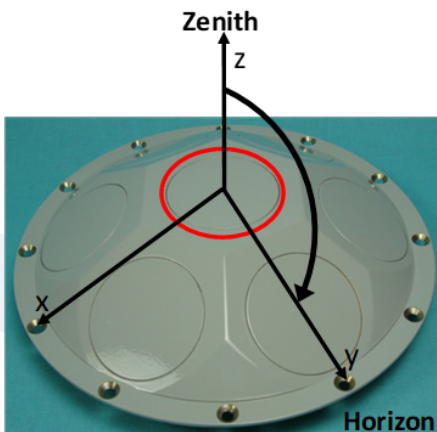
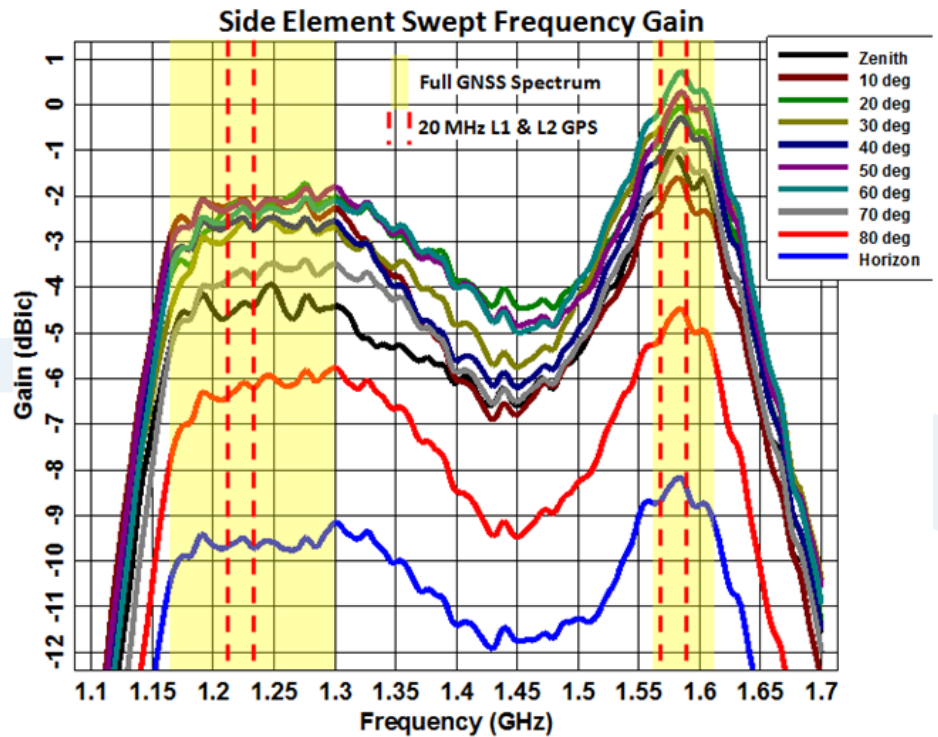


CONTACT

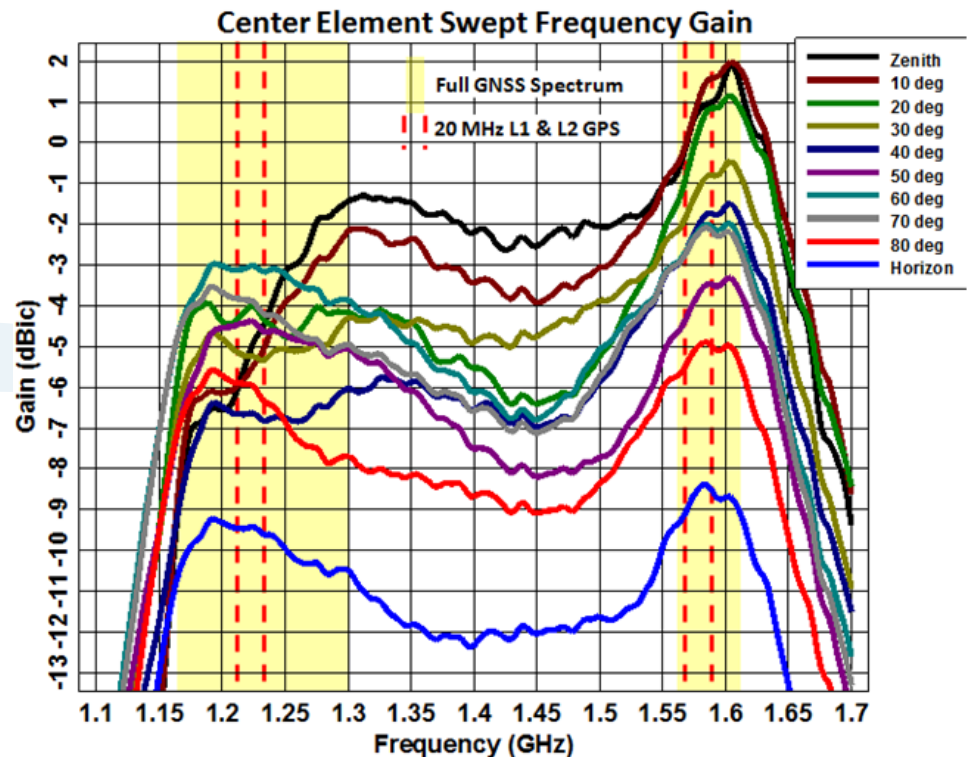
For purchasing information please email antrfsys@toyon.com



The element circled in red is characterized in the figure above. The cut was taken across the YZ plane from zenith ($\theta = 0^\circ$) down to the horizon ($\theta = 90^\circ$). Swept gain is shown for each polar angle (θ) in 10° steps.



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SEVEN ELEMENT GNSS CRPA

TRC-14F-PGNSS-7CRPA



ELEMENTS

Passive
 Frequency: L1/L2 GNSS (1164-1300 & 1559-1611 MHz)
 Polartization: RHCP or dual pol RHCP/LHCP

ENVIRONMENTAL

Vibration, shock, and thermal data available upon request

PHYSICAL SPECIFICATIONS

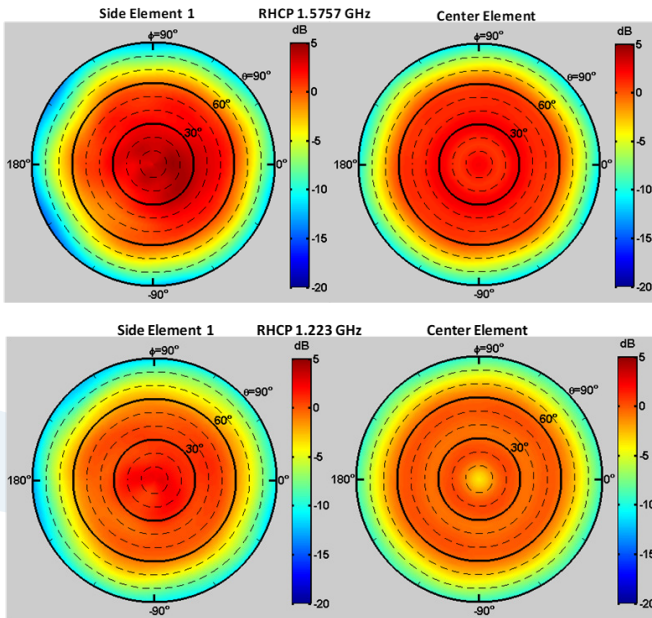
Outer diameter: 14.13" (GAS-1 compatible)
 Weight: 3,036 grams
 ICD available on request

FEATURES

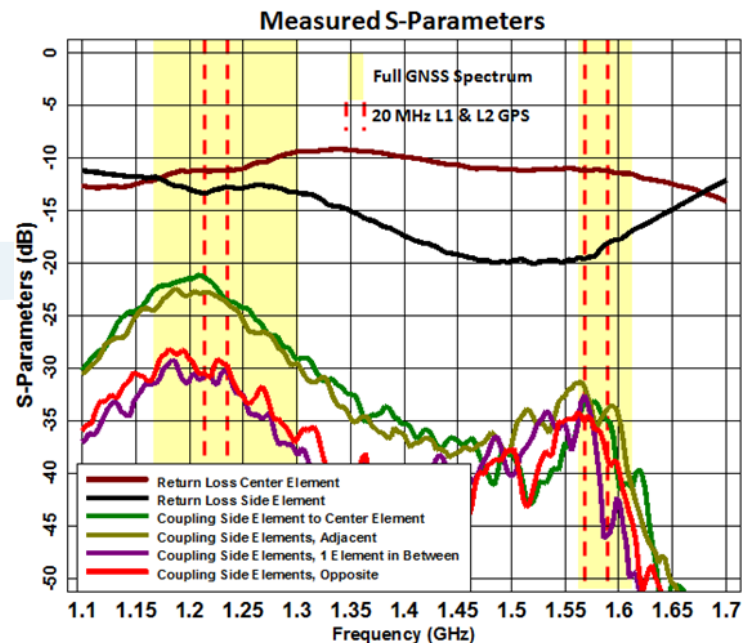
Recessed elements in metallic cavities, high element to element isolation, low aerodynamic drag, full GNSS frequency coverage, high efficiency, flush-mount

MEASUREMENTS

All measurements made on 3-foot circular groundplane; full manifold including vertical and horizontal polarizations available on request. Evaluation hardware available

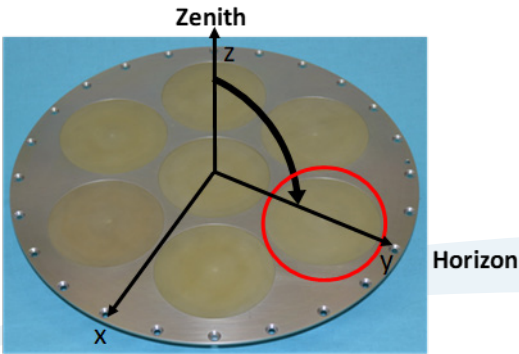


Radiation patterns of side and center elements at upper and lower frequency bands.

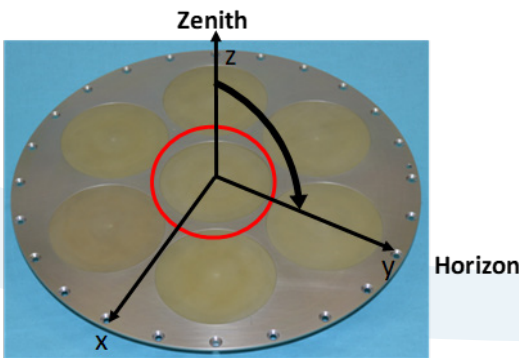
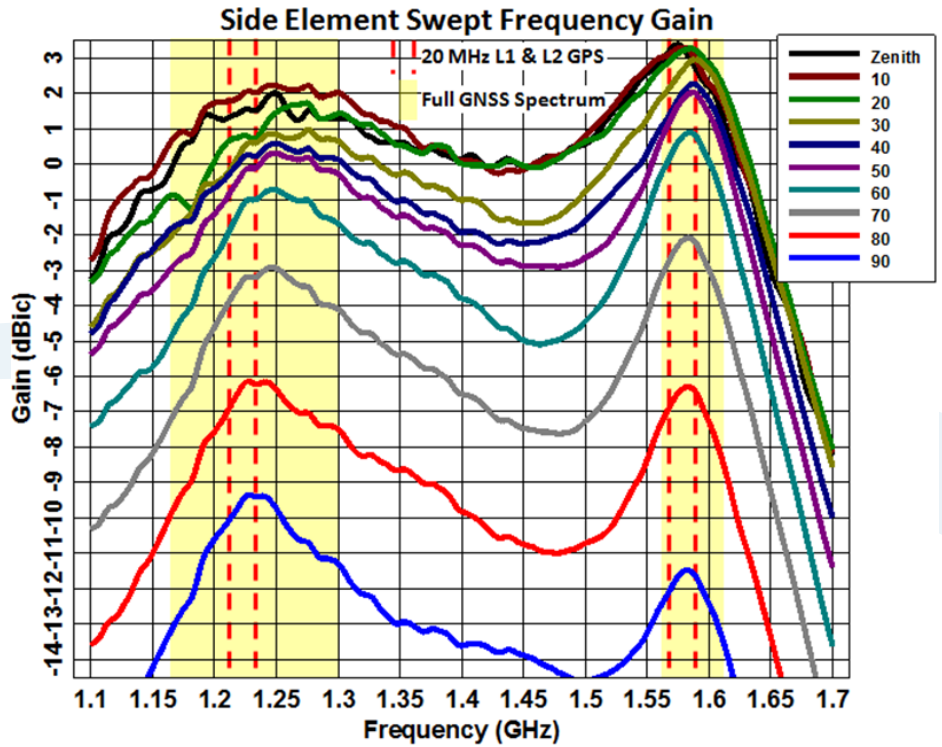


CONTACT

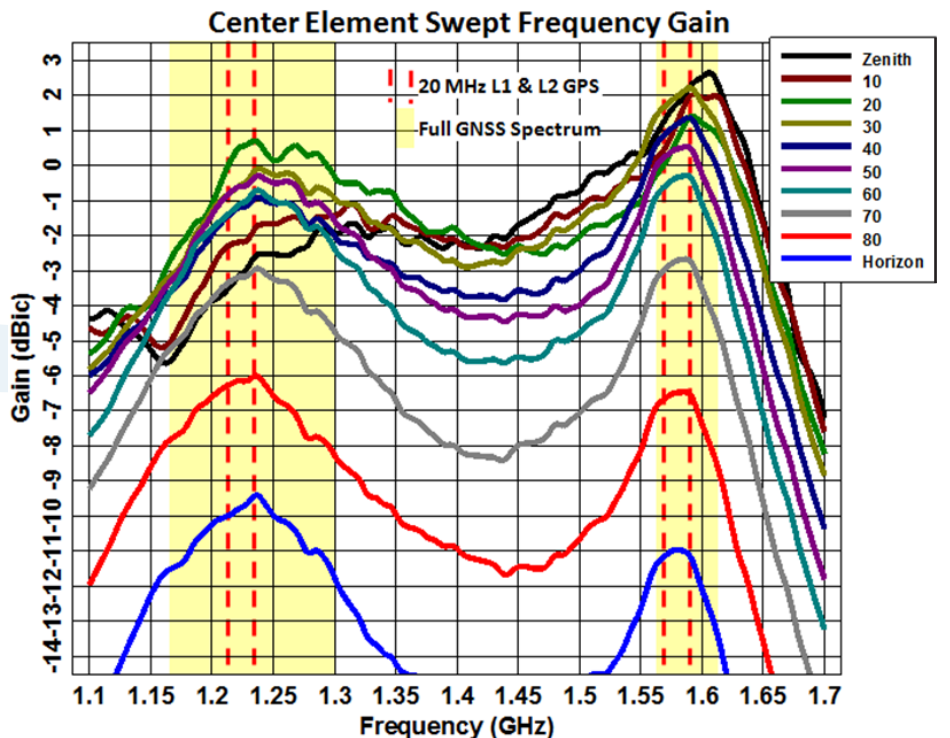
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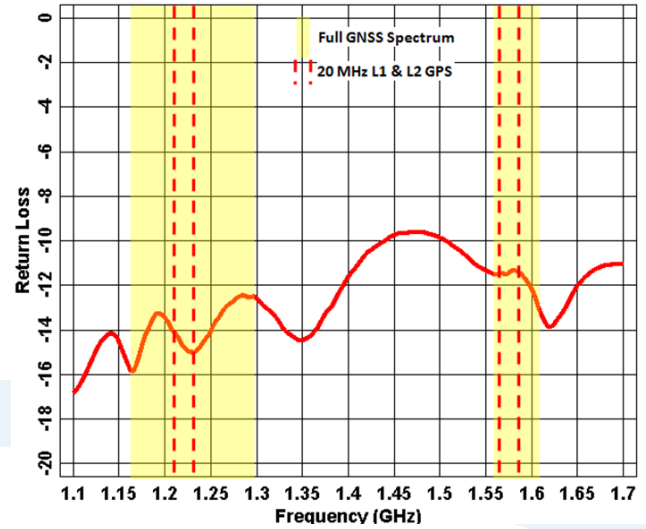
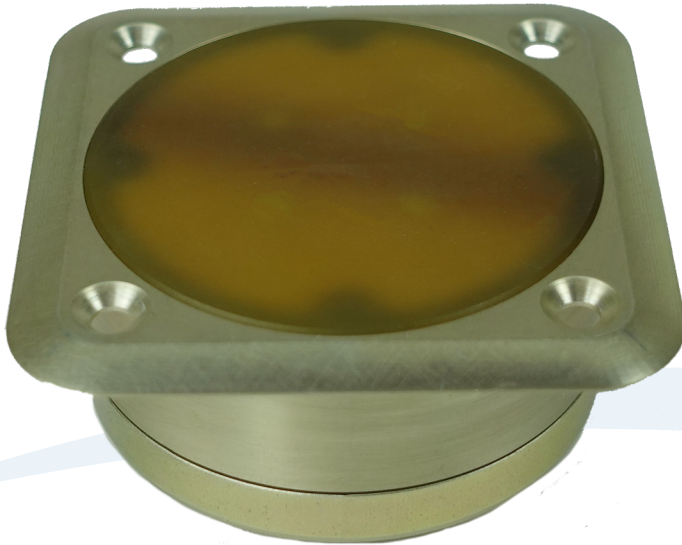
The element circled in red is characterized in the figure above. The cut was taken across the YZ plane from zenith ($\theta = 0^\circ$) down to the horizon ($\theta = 90^\circ$). Swept gain is shown for each polar angle (θ) in 10° steps.





SINGLE ELEMENT GNSS ANTENNA

REDUCED FORM FACTOR, TRC-2P5-PGNSS-SA



ELEMENTS

Passive
 Frequency: L1/L2 GNSS (1164-1300 & 1559-1611 MHz)
 Polarization: RHCP or dual pol RHCP/LHCP

ENVIRONMENTAL

Vibration, shock, and thermal data available upon request

PHYSICAL SPECIFICATIONS

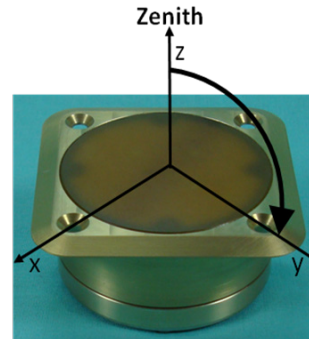
Square outer flange dimension: 2.85"
 Weight: 180 grams
 ICD available on request

FEATURES

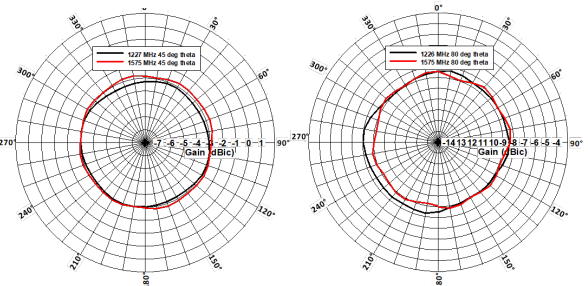
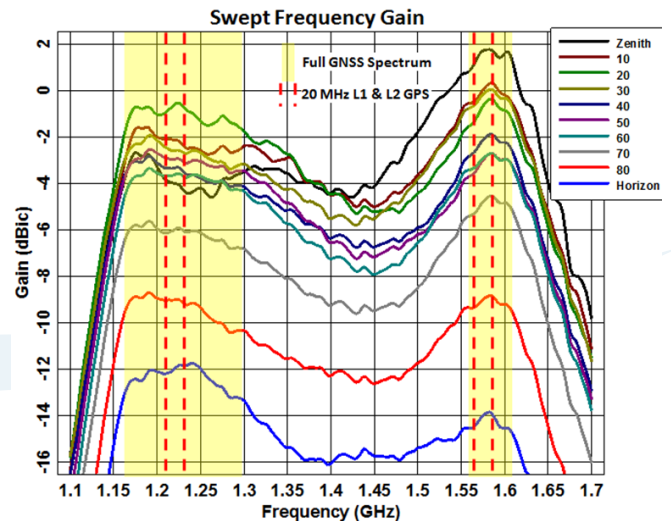
Recessed element in metallic cavity, low aerodynamic drag, full GNSS frequency coverage, compact size, flush-mount

MEASUREMENTS

All measurements made on 3-foot circular groundplane; full manifold including vertical and horizontal polarizations available on request, evaluation hardware available



The elevation cut was taken across the YZ plane from zenith ($\theta = 0^\circ$) down to the horizon ($\theta = 90^\circ$). Swept gain is shown for each polar angle (θ) in 10° steps.



The two azimuth cuts were taken at 45° theta and 80° theta.

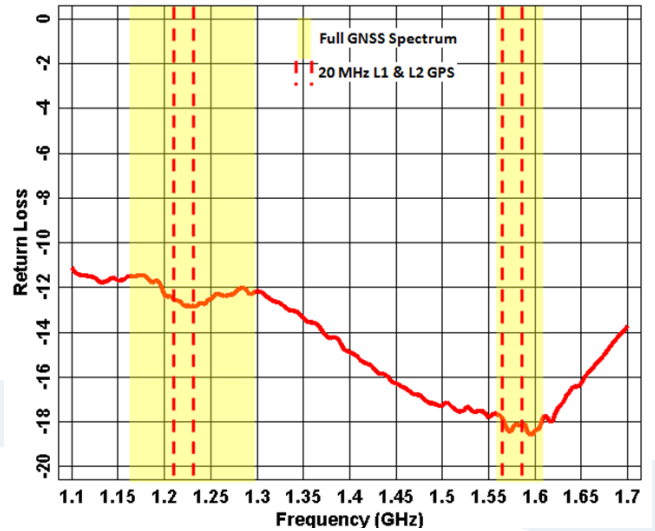
CONTACT

For purchasing information please email antfrsys@toyon.com



SINGLE ELEMENT GNSS ANTENNA

TRC-4-PGNSS-SA



ELEMENTS

Active or Passive
 Frequency: L1/L2 GNSS (1164-1300 & 1559-1611 MHz)
 Polarization: RHCP or dual pol RHCP/LHCP

ENVIRONMENTAL

Vibration, shock, and thermal data available upon request

PHYSICAL SPECIFICATIONS

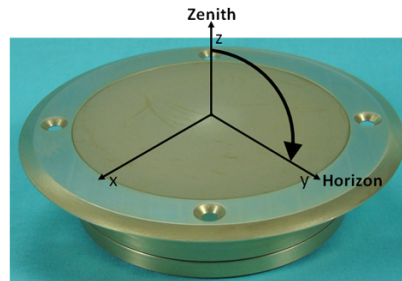
Outer diameter of flange: 5.43"
 Weight: 340 grams
 ICD available on request

FEATURES

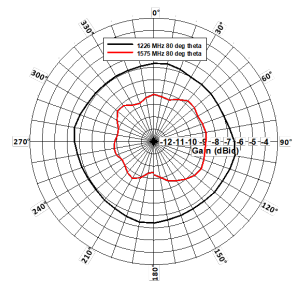
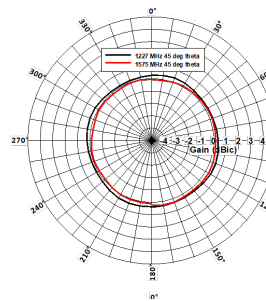
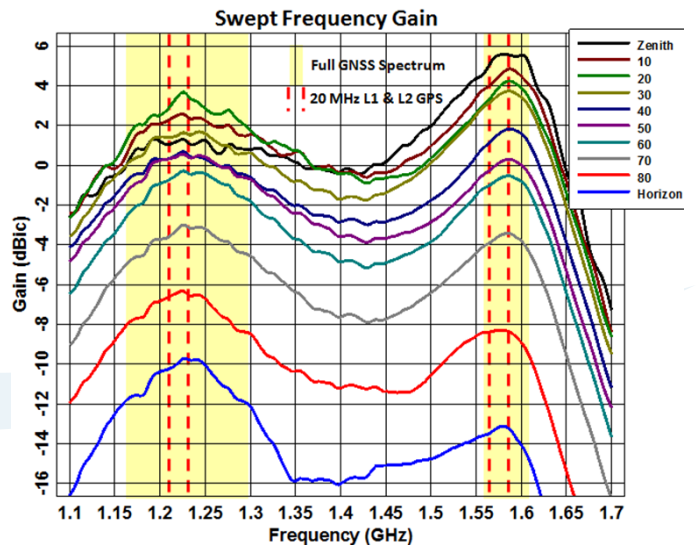
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MEASUREMENTS

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