



Satellite Support Agreement  
**GSA Service Packages**



Taoglas USA Inc  
8375 Camino Santa Fe  
Suite A, San Diego  
California 92121, USA

Telephone: +1 858 450 0888  
Email: [nasales@taoglas.com](mailto:nasales@taoglas.com)

[www.taoglas.com](http://www.taoglas.com)

**Code: GSA.10****Title:** Existing Satellite Device Passive Mode Antenna Testing**Deliverables:** Report**Item:**

- Test existing antenna passive performance in 3D test chamber
- Test existing antenna active gain and noise figure Return Loss, Axial Ratio, Average Gain, Efficiency, Peak Gain, Radiation Patterns

**Time:** 3 days**Code: GSA.20****Title:** Existing GPS Antenna Product Customization**Deliverables:** Report and prototypes**Variables:** GSA.20.1 - Custom Satellite Antenna Design-Embedded Flex/Metal/PCB  
GSA.20.2 - Custom Satellite Antenna Design-Existing Embedded Ceramic  
GSA.20.3 - Custom Satellite Antenna Design-New Form Factor Embedded Ceramic  
GSA.20.4 - Custom Satellite Antenna Design-Embedded MIMO LTE  
GSA.20.5 - Custom Satellite Antenna Design-Existing External Antenna  
GSA.20.6 - Custom Satellite Antenna Design-New Form Factor External Antenna**Item:**

- 5 custom antenna prototypes
- Mechanical Drawing
- Final antenna position and integration method
- Matching circuit when applicable
- Return Loss, VSWR, Average Gain, Efficiency, and Peak Gain

**Time:** 4-6 weeks**Code: GSA.30****Title:** GPS Device Active Mode Radiated Receive Sensitivity Testing**Deliverables:** Report**Item:**

- Measurement of conducted receive sensitivity
- Measurement of radiated receive sensitivity
- A high sensitivity spectrum analyzer sweep of the GPS band and surrounding frequencies from the antenna
- Comparison of radiated receive sensitivity to reference devices
- Recommendations to maximize performance

**Time:** 2 weeks