



**German Shepherd - Pro Series – 2 in 1 Antenna**  
MIMO LTE External Magnetic Mount IP67 Antenna

**Product Description**

Parsec’s PTA PRO2GS 2LTE is a low profile two-in-one MIMO LTE external magnetic mount waterproof antenna. The PTA PRO2GS 2LTE doesn’t require any mounting holes and can be quickly installed and removed from steel surfaces. Fast solution to intermittent cellular coverage in rural areas. The optional adhesive mount allows this antenna to be mounted on any flat surface. This rugged low-profile omni-directional antenna works on all the common North American LTE bands with high efficiency. GS Series configurable in 5:1, 4:1, 3:1, 2:1 options.

Detailed product information and options are available under NDA. Patent pending.

**Features**

- LTE frequency range: 617 – 894 MHz  
1695 – 2700 MHz  
3400 – 3800 MHz
- MIMO LTE
- High Efficiency: 70%
- Magnetic Mount, no holes required

**Applications**

- Transportation / Fleet
- FirstNet / Critical Responders
- Remote video monitoring, Mobile broadband

**Electrical Specifications**

ID	Port	Parameters	Units	Typ.
<b>Radiated Efficiency</b>	LTE-1,2	617 – 894 MHz		70
	LTE-1,2	1695 – 2700 MHz	%	70
	LTE-1,2	3400 – 3800 MHz		70
<b>Peak Gain</b>	LTE-1,2	617 – 894 MHz		5.0
	LTE-1,2	1695 – 2700 MHz	dBi	6.0
	LTE-1,2	3400 – 3800 MHz		5.0
<b>Return Loss (50 Ω)</b>	LTE-1,2	617 – 894 MHz		7.5
	LTE-1,2	1695 – 2700 MHz	dB	7.5
	LTE-1,2	3400 – 3800 MHz		10
<b>Isolation</b>	LTE	617 – 894 MHz		9.5
	LTE	1695 – 2700 MHz	dB	11.5
	LTE	3400 – 3800 MHz		20
<b>Polarization</b>	LTE			Linear
<b>Max Input Power</b>	LTE		Watts	5
<b>RF Connector</b>	LTE			SMA(M)
<b>RF Cable Type</b>	LTE			LMR240

**Notes:**

1. Electrical specifications based on antenna without an external ground plane.
2. Isolation and return loss does not include cable loss.

**LTE Bands Covered for US Carriers**

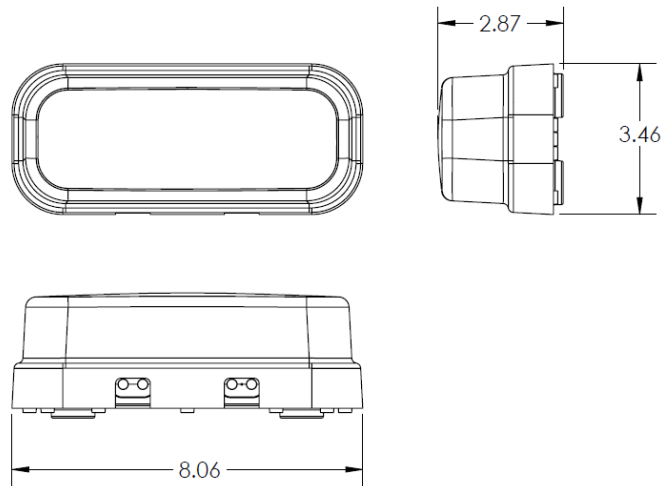
<b>AT&amp;T</b>	2, 4, 5, 14, 17, 29, 30, 48, 66
<b>Verizon</b>	2, 4, 5, 13, 48, 66
<b>T-Mobile</b>	2, 4, 12, 48, 66, 71
<b>Sprint</b>	2, 25, 26, 41, 48

**Mechanical**

<b>Dimensions</b>	8.06 in. L x 3.46 in. W x 2.87 in. H
<b>Mounting</b>	Magnets, adhesive optional
<b>RF Cable Length</b>	Choice of 10, 15, or 25 foot cable

**Environmental**

<b>Operating Temperature</b>	-40°C to 85°C
<b>Ingress Protection</b>	IP67 waterproof



**Figure 1. Product Dimensions**



**Figure 2. Product Picture**

### Typical Performance

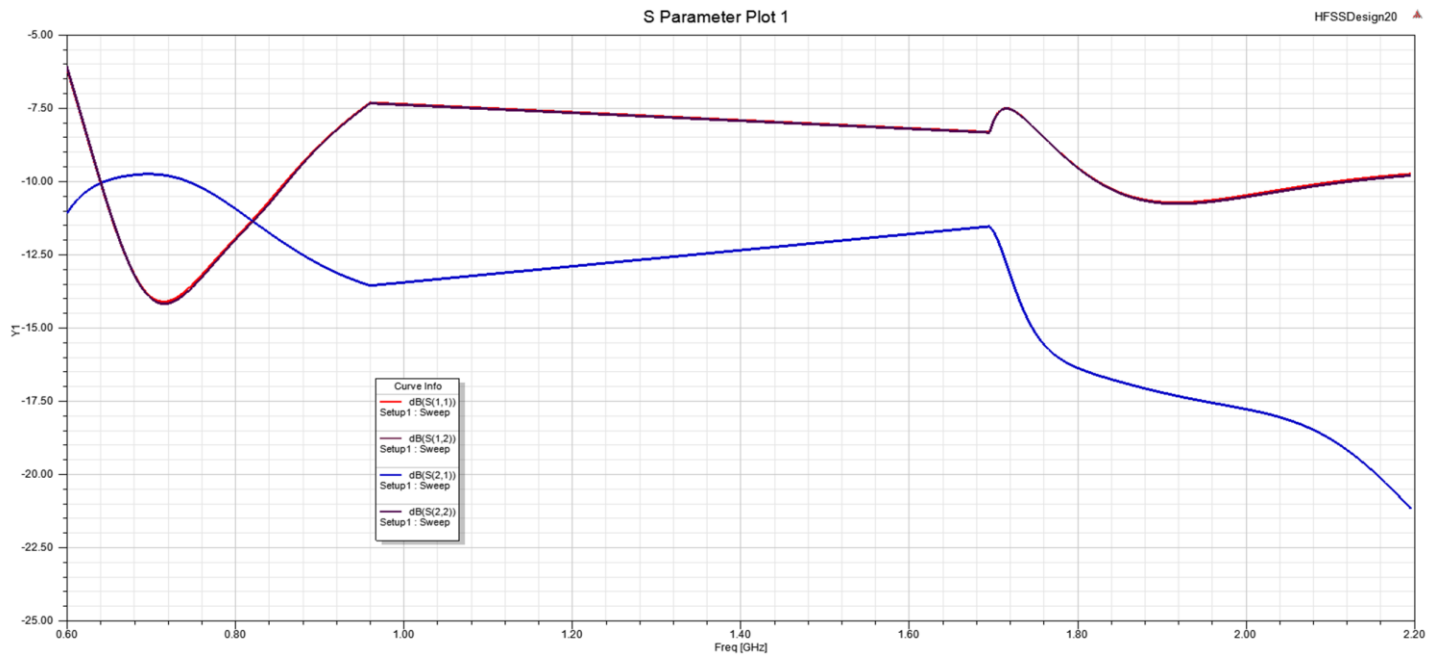


Figure 3. LTE Return Loss and Isolation

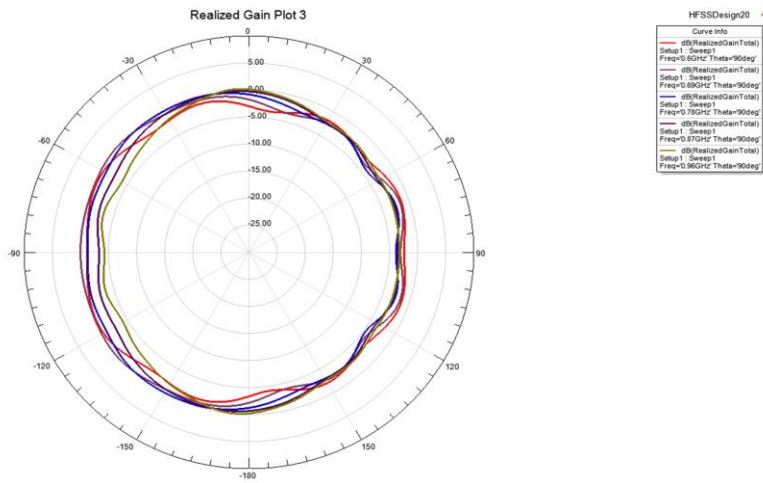


Figure 4. LTE, Azimuth, Low Band, Phi/Deg, Theta = 90

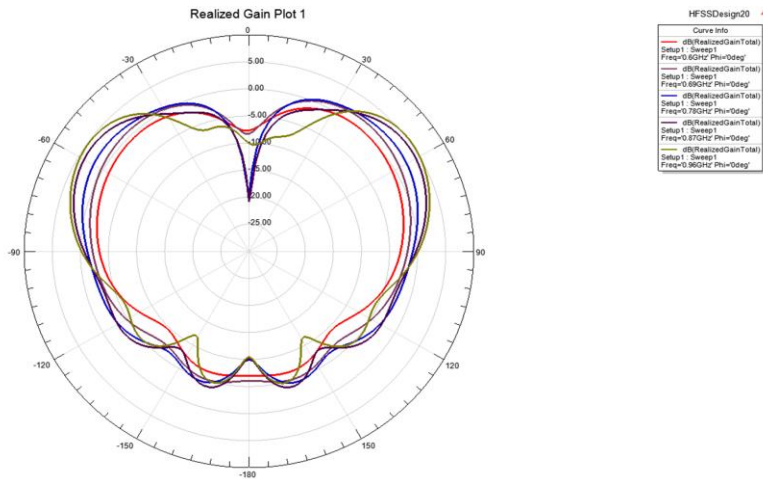


Figure 5. LTE, Elevation, Low Band, Theta/Deg, Phi = 0

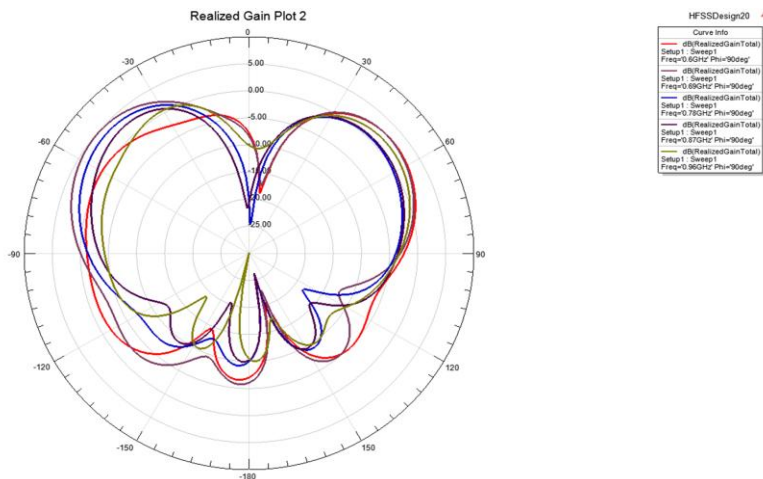


Figure 6. LTE, Elevation, Low Band, Theta/Deg, Phi = 90

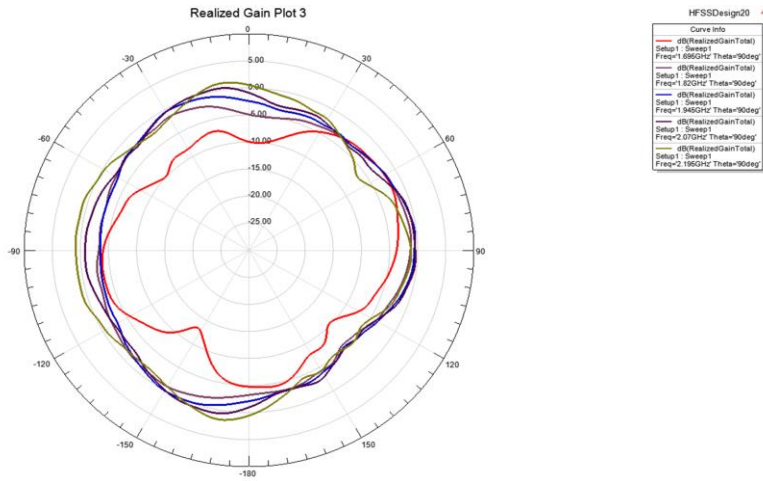


Figure 7. LTE, Azimuth, High Band, Phi/Deg, Theta = 90

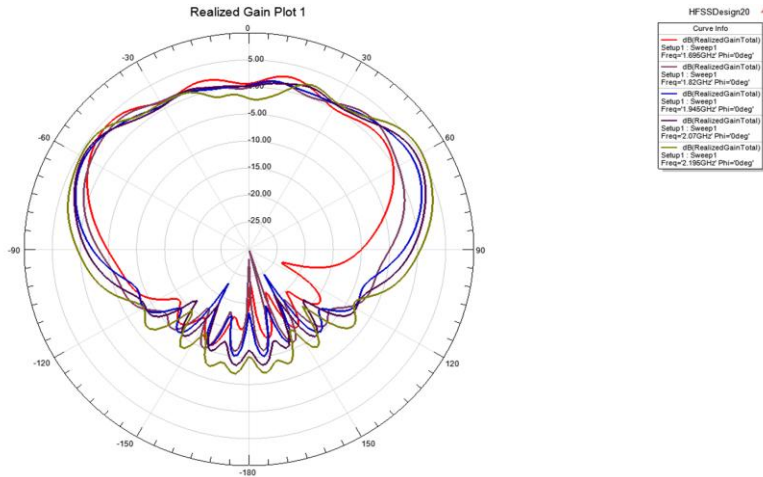


Figure 8. LTE, Elevation, High Band, Theta/Deg, Phi = 0

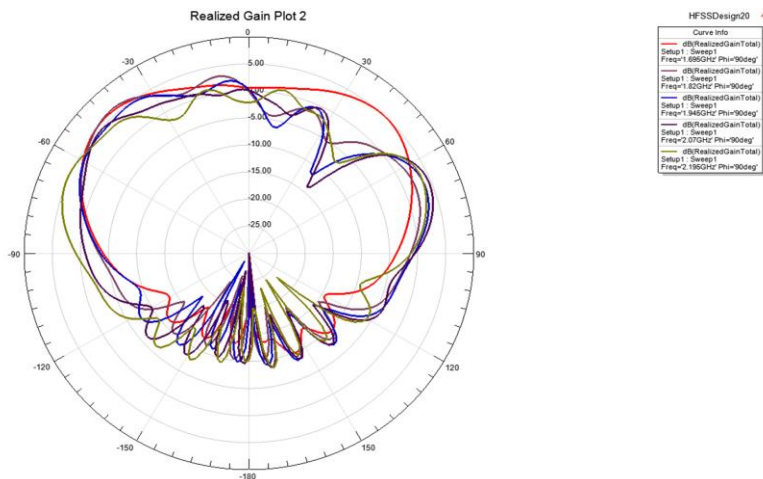


Figure 9. LTE, Elevation, High Band, Theta/Deg, Phi = 0

## Contact Information

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## Ordering Information

Part Number	PTAPRO2GS2LTE010	10 foot long cables
	PTAPRO2GS2LTE015	15 foot long cables
	PTAPRO2GS2LTE025	25 foot long cables

Add B for Black Radome, W for White Radome

Add MM for Magnetic Mount, A for Adhesive Mount

Custom cable lengths available

Packing for Shipment          Protective box, qty. 1 per box.