



# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount



- True Omni Patterns
- Highest Gain for Ceiling Mounted Antennas
- PIM Certified
- Surface Mount for Metallic Tile and Hard Surface Applications
- Includes Premium Pig Tail Jumper
- Suitable for LTE/CDMA/WCS/GSM/WLAN2.4/WiMax

### Optional Mounting Bracket 919057

Mounting TRU-Omni S727 Antenna to hard surfaces



## Electrical Specifications

Frequency Band, MHz	698-960	740-894	1710-2360	2500-2700
Horizontal Beam width	360	360	360	360
Gain, dBi	2.9	2.9	6.4	7.3
VSWR Maximum/Return Loss, dB	1.7/11.7	1.4/15.0	1.4/15.5	1.5/14.0
Polarization	Vertical			
Intermodulation (2x20w), IM3, dBc, Maximum	-150			
Impedance, ohms	50			
Maximum Power Per Connector, CW	40			



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## Mechanical Specifications

Dimensions, Diameter/Depth	12.2/4.6 in (311/116 mm) <b>Overall</b>
Connector (Quantity) Type	(1) N-Female on 12" Pigtail, plenum rated
Connector (Quantity) Type (M-Option)	(1) Mini-Din Female (4.1/9.5) on 12" Pigtail
Connector Torque (M-Option)	Mini-DIN 88.5 lbf-in (10 Nm)
Connector Location	Top
Antenna Weight	1.22 lb (0.55 kg)
Radome Material	Polypropylene
Mounting	Surface Mount on Metallic Ceiling Tile or Hard Surface
Application	Indoor
Operating Temperature	-40 °F to +140 °F (-40 °C to +60 °C)
Package Quantity	1

## Order Information

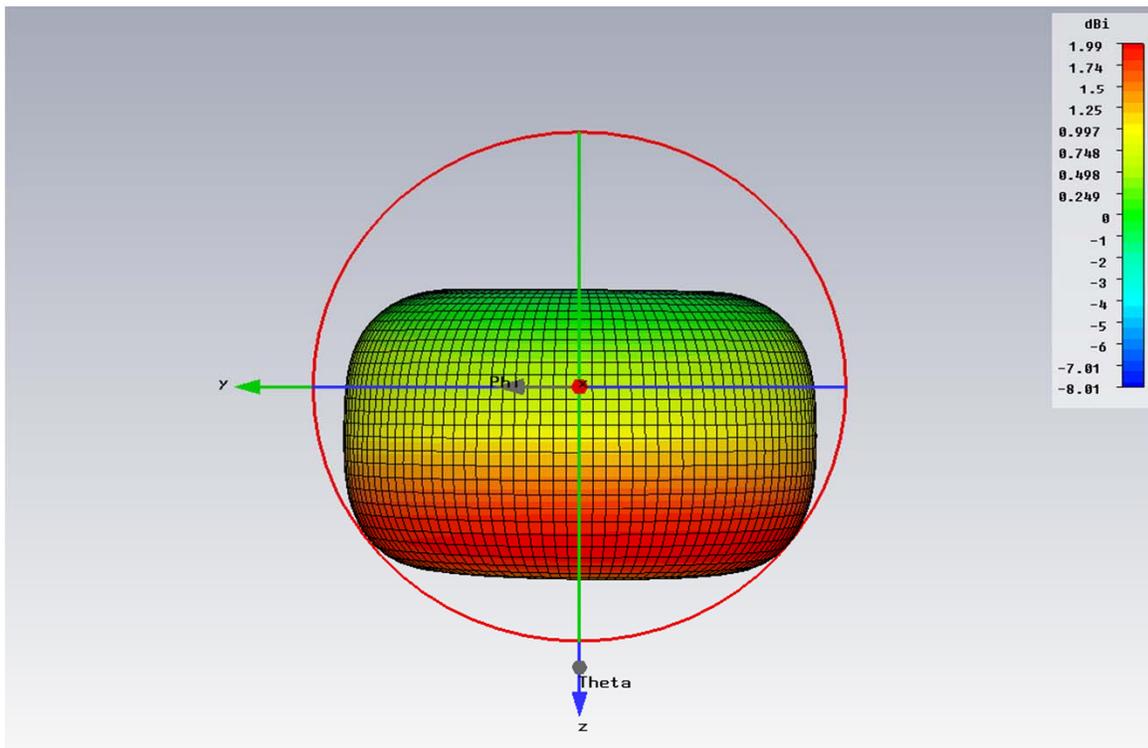
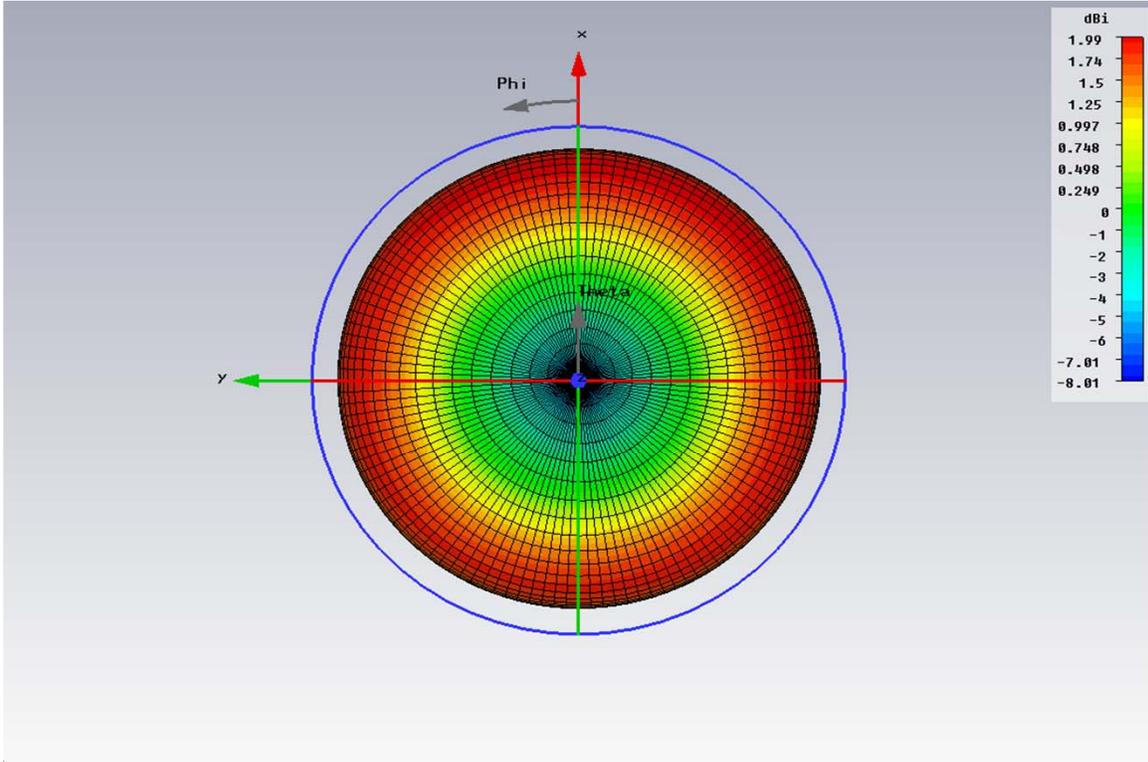
<b>Model</b>	<b>Description</b>
TRU-Omni S727	Surface Mount Omni Antenna, V-Pol, 698-2700MHz, N-Female Connector
TRU-Omni S727-M	Surface Mount Omni Antenna, V-Pol, 698-2700MHz, Mini-Din Female (4.1/9.5) Connector
919057	Optional Hard Surface Mount Bracket



# TRU-Omni S727

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## Patterns Measured @ 750MHz



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

410-612-0080

[customerservice@cssantenna.com](mailto:customerservice@cssantenna.com)

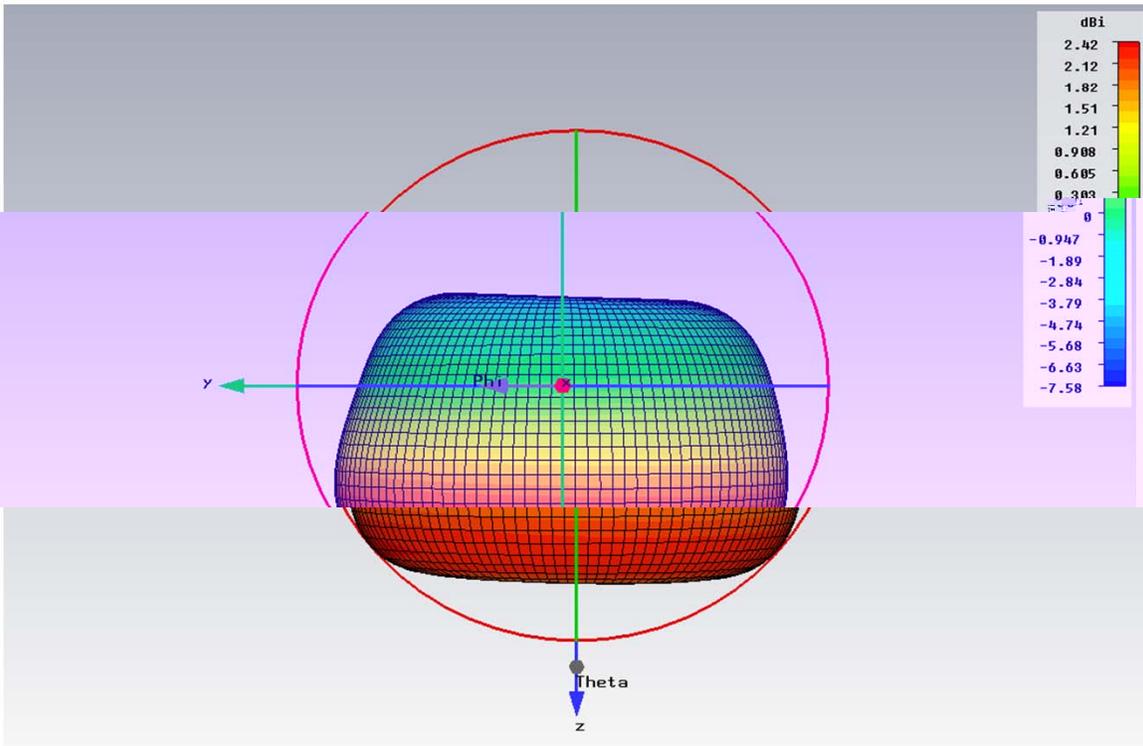
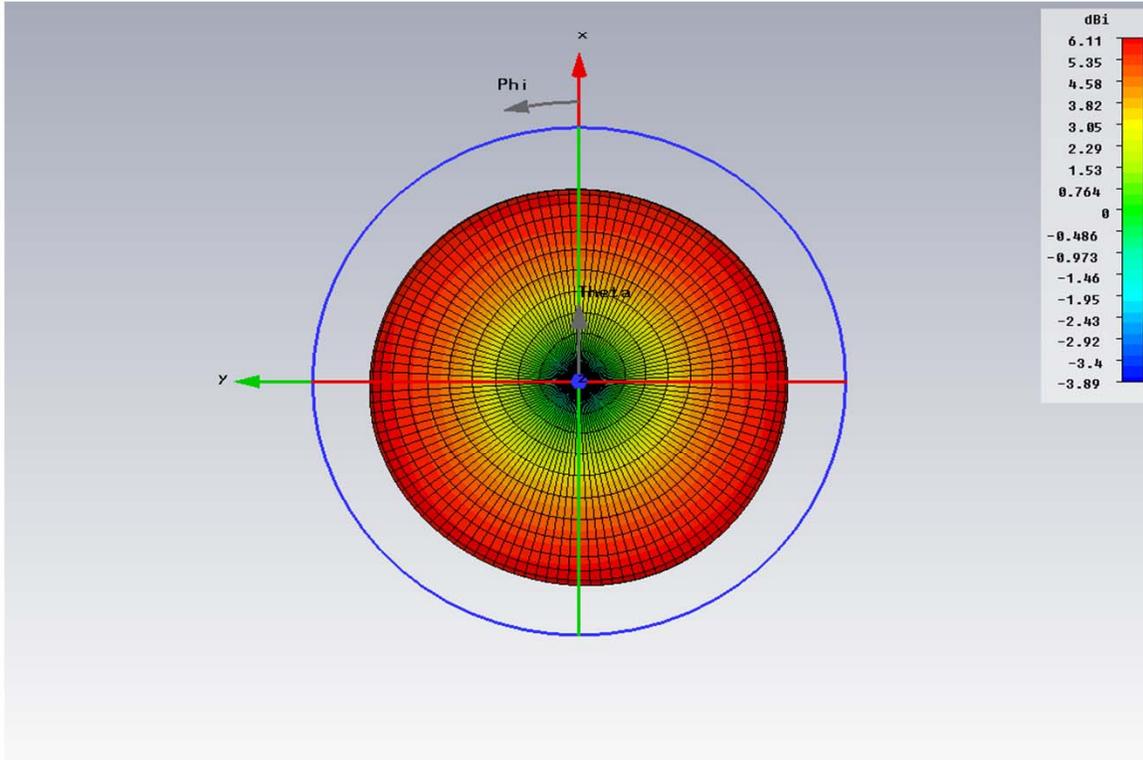
All Specifications are subject to change.  
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Patterns Measured @ 850MHz



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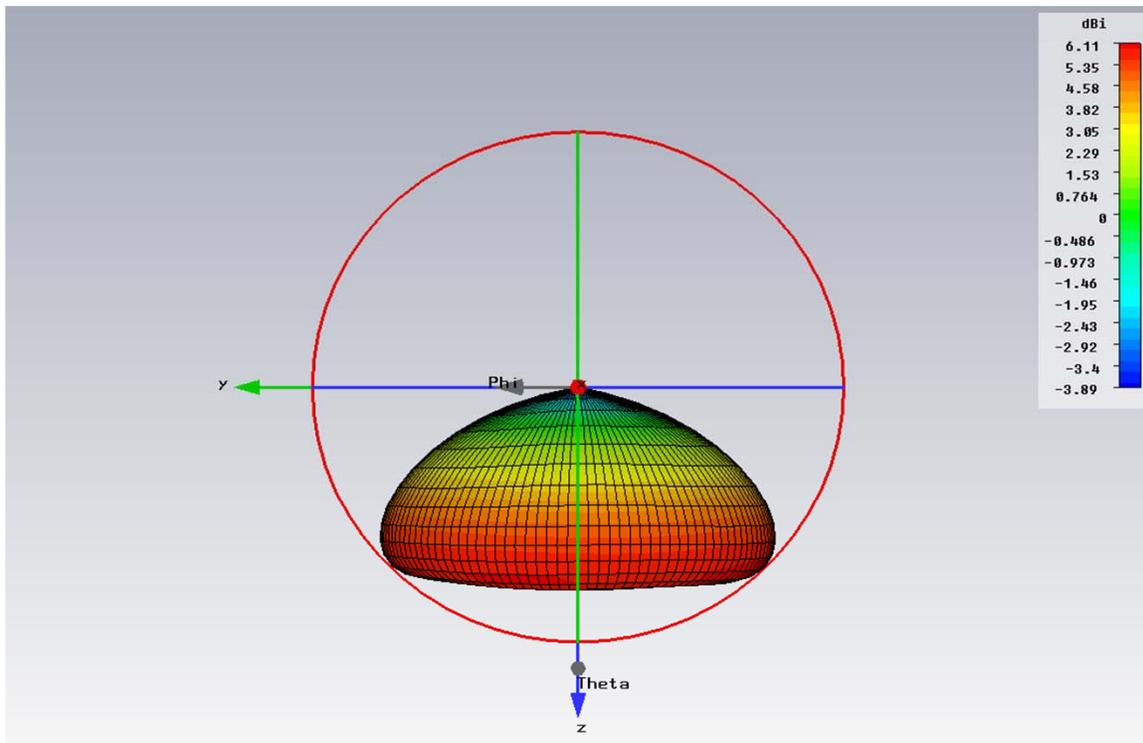
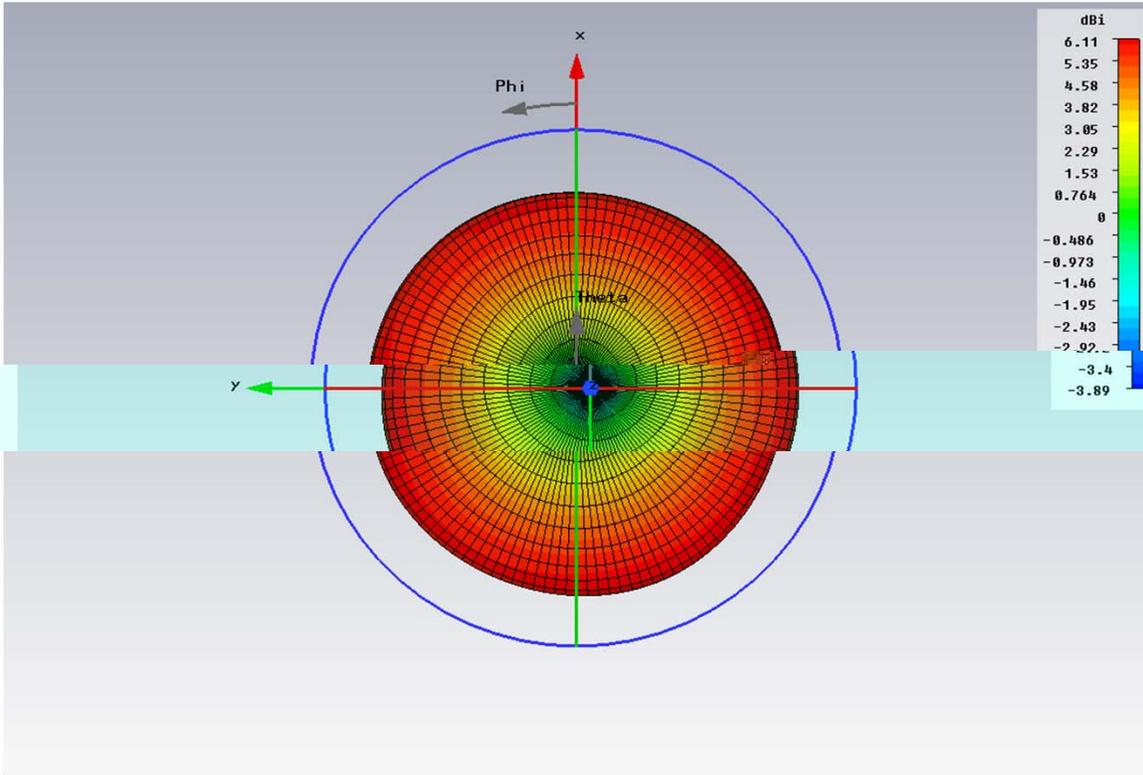
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Patterns Measured @ 1780MHz



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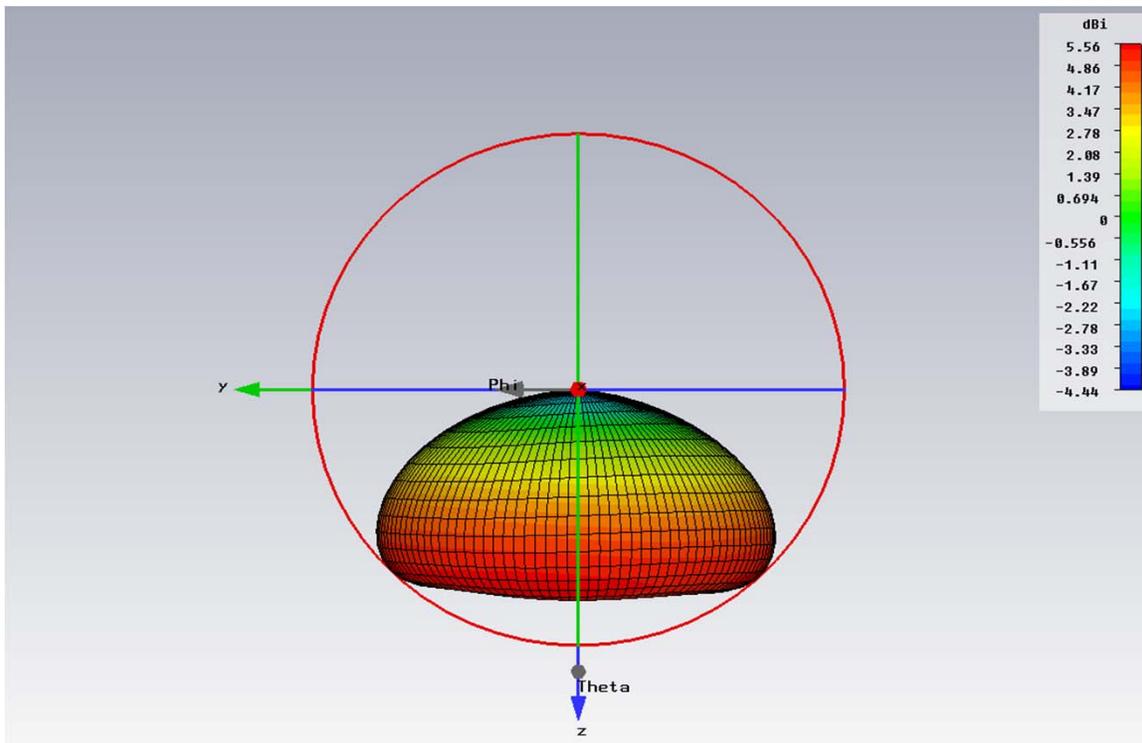
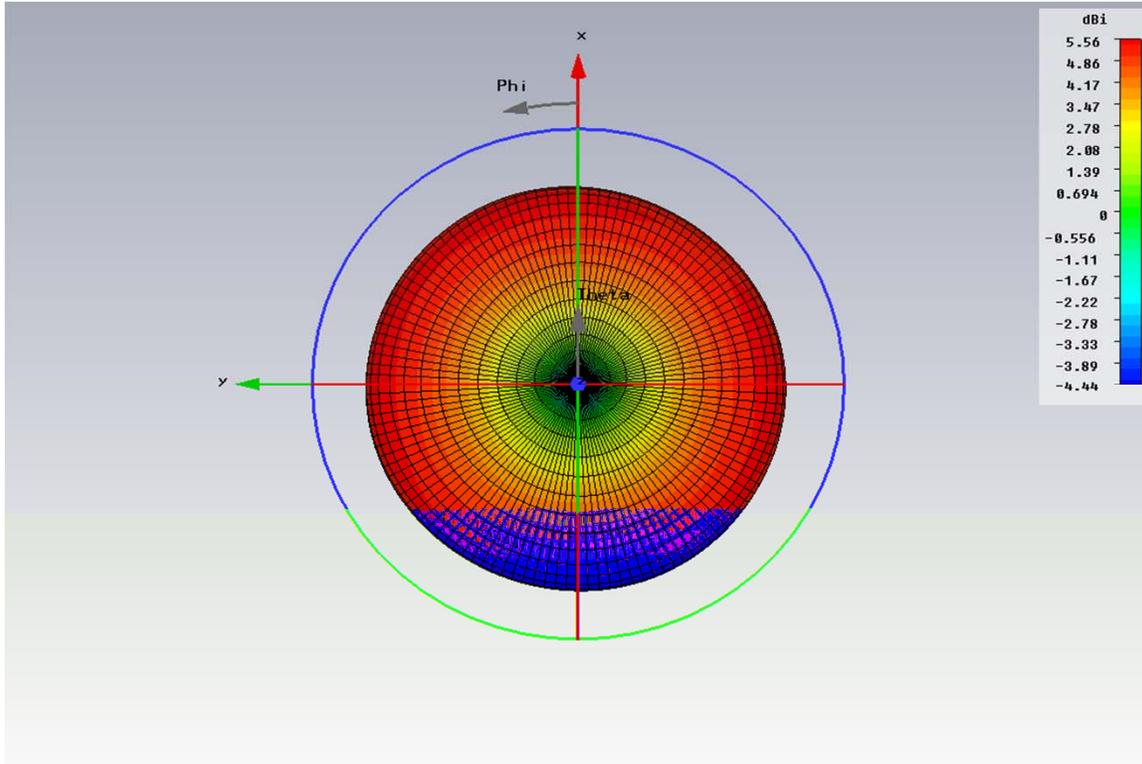
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Patterns Measured @ 1920MHz



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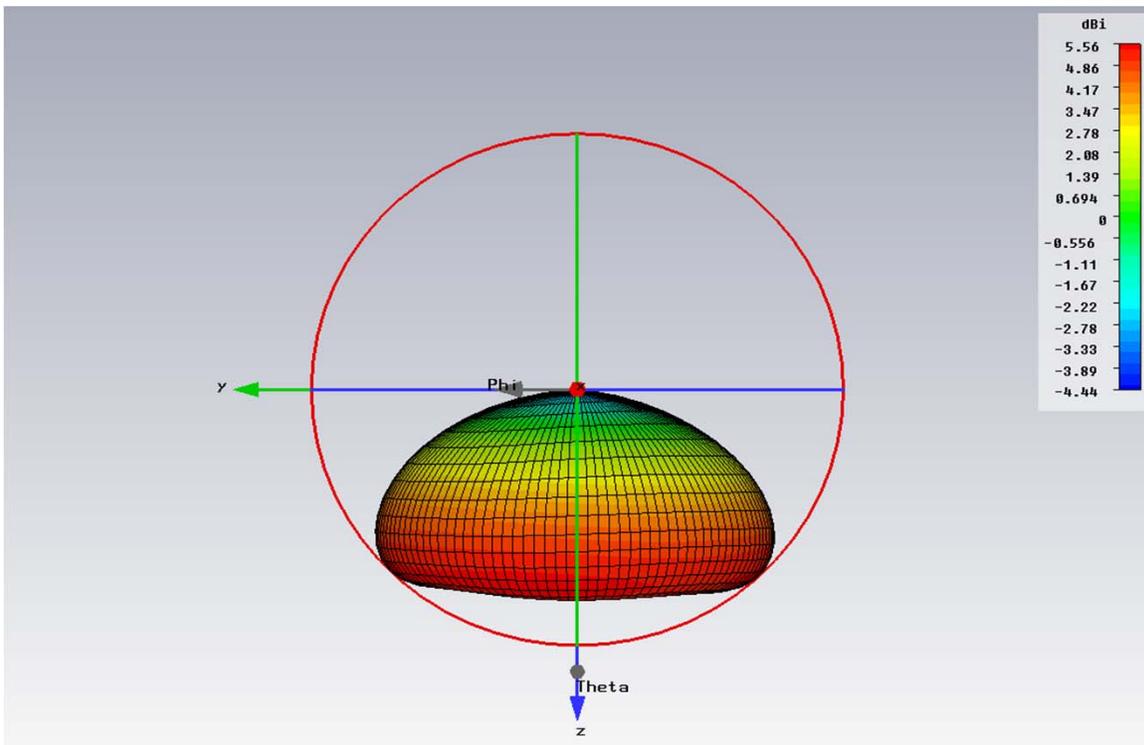
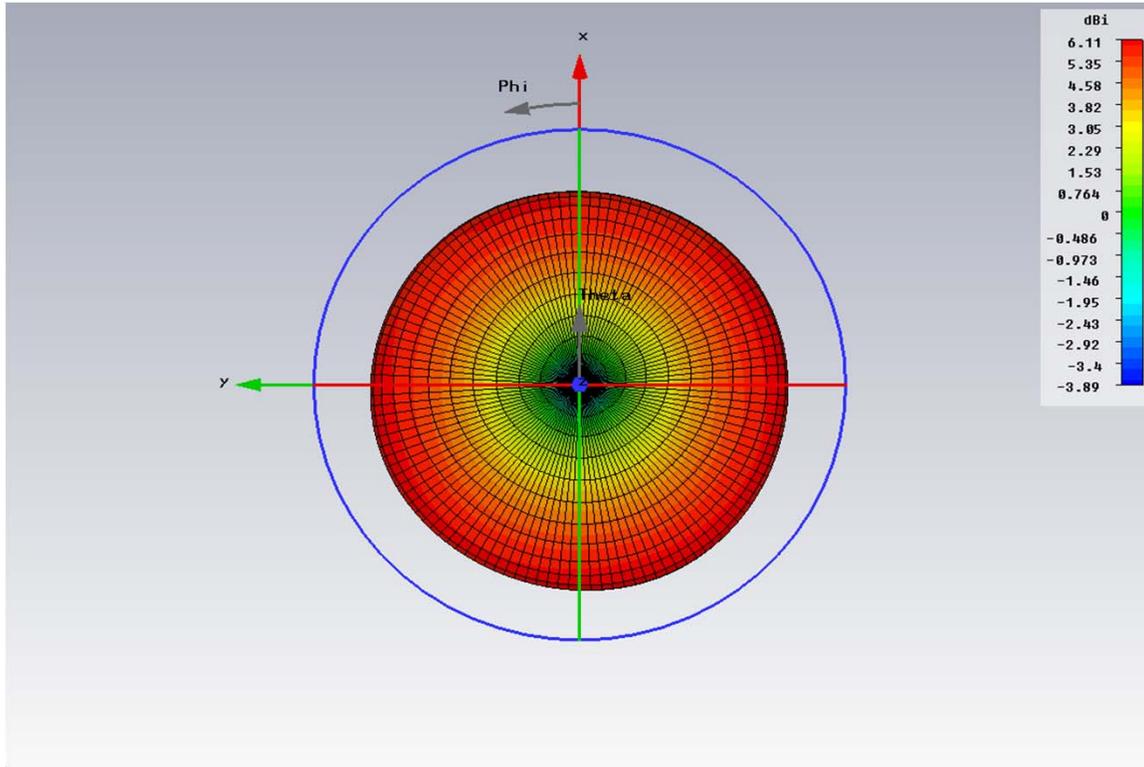
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Patterns Measured @ 2080MHz



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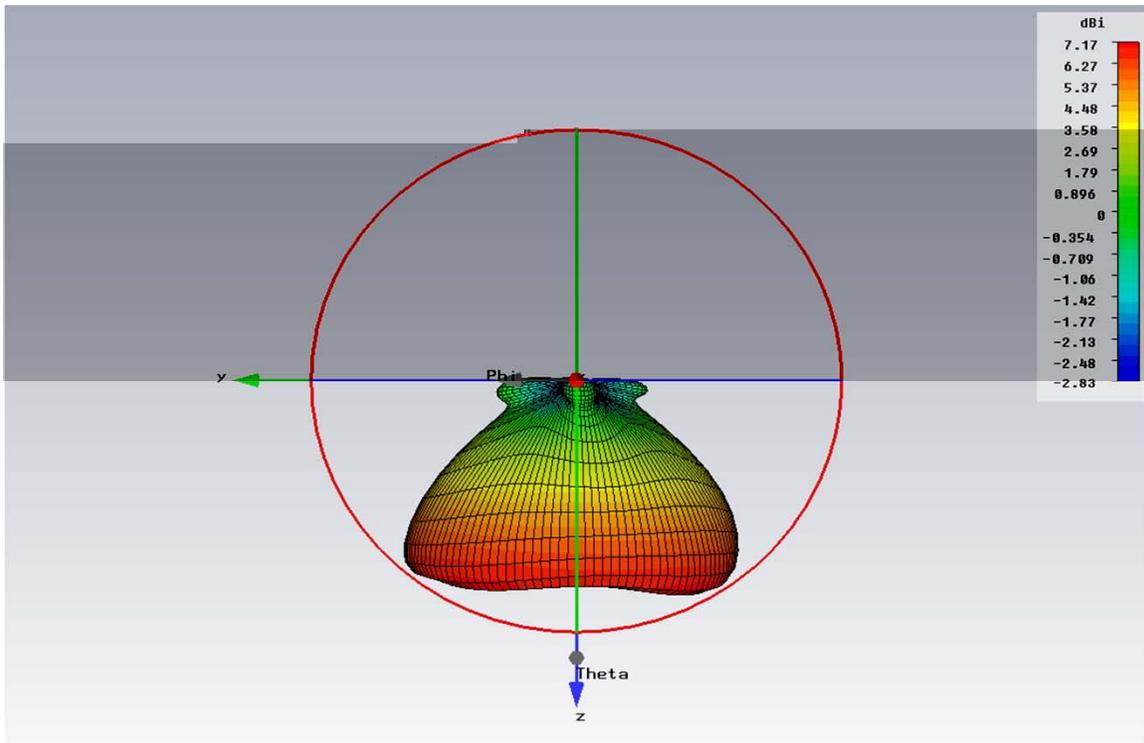
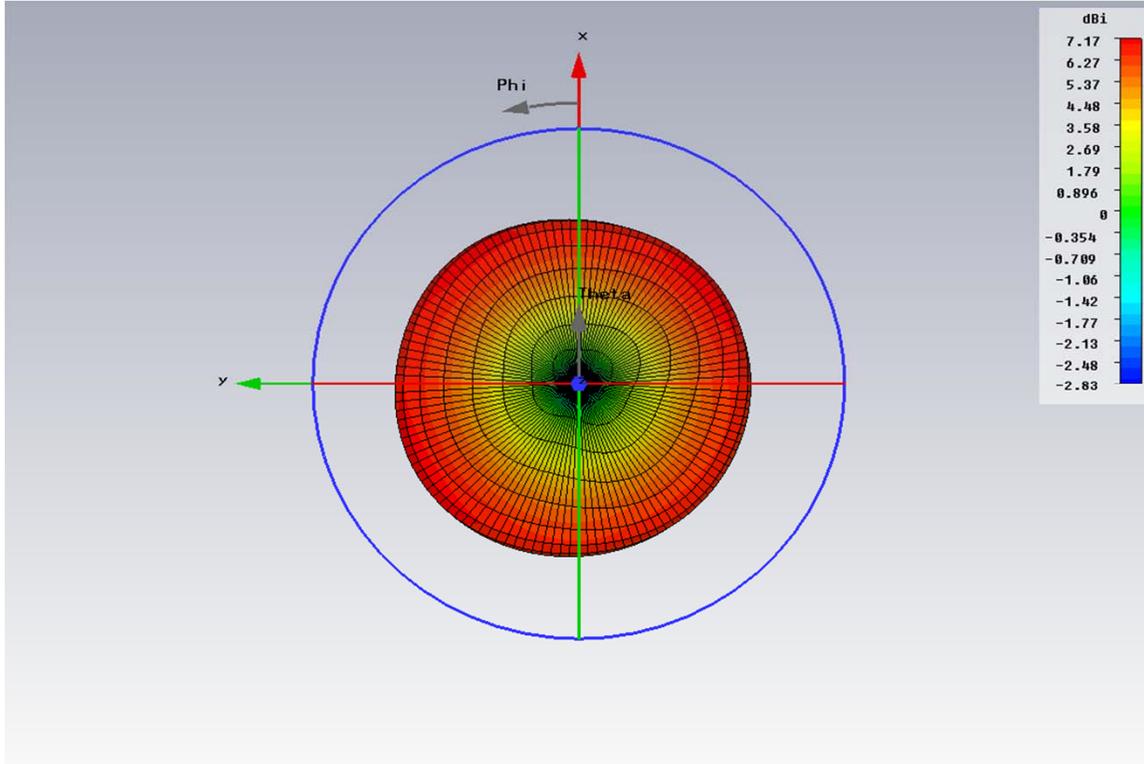
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Patterns Measured @ 2600MHz



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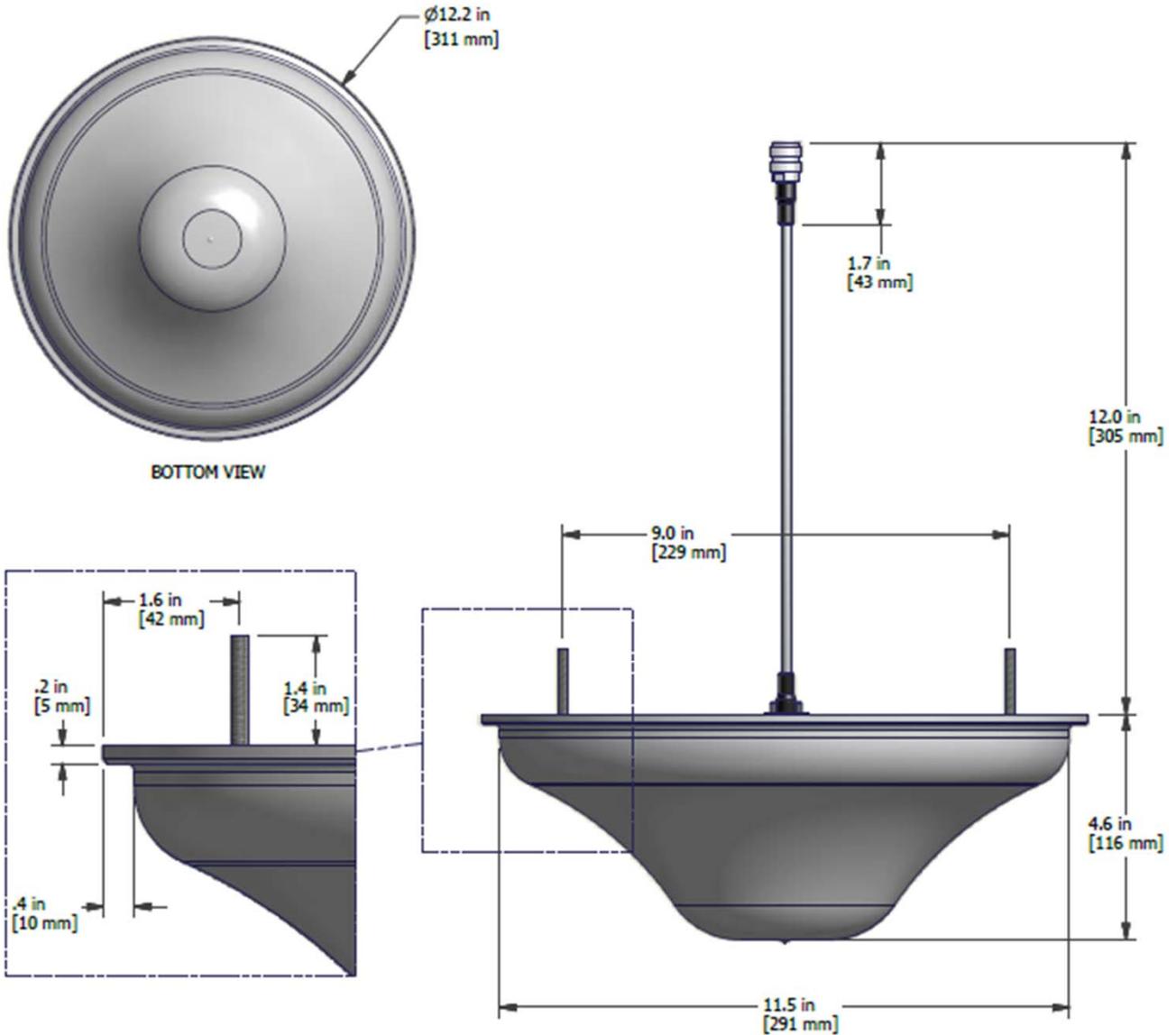
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# TRU-Omni S727

V-Pol Omni Antenna, 698-2700MHz, Surface Mount

## Mechanical Outline Drawing

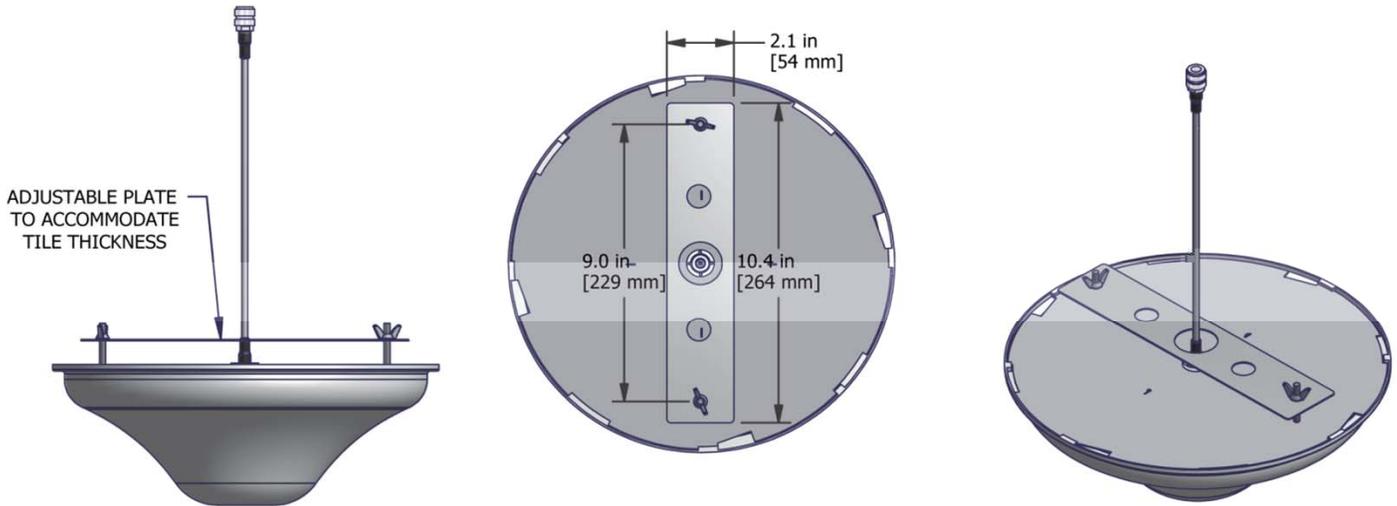




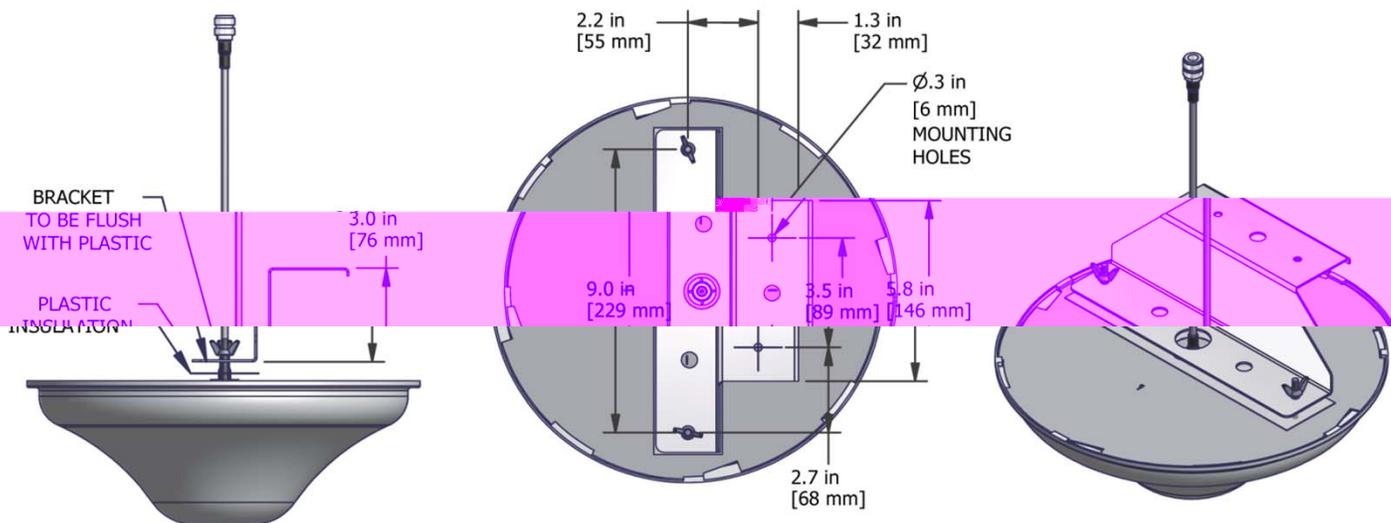
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## Standard Bracket Kit



## Optional Bracket Kit (919057)



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