

# TW2600



## Iridium® Antenna

Frequency Coverage: Iridium

The TW2600 employs Calian's patented Accutenna® technology in a magnet mount, passive right hand circularly polarised antenna for the 1616 to 1626.5 MHz frequency band, certified and specially designed to maximise the performance of Iridium® Voice and Data Modems.

The TW2600 features a high performance dual-feed patch element that provides great axial ratio (3 dB max) over the entire Iridium® frequency band, thus signals at the band edges remain truly circular, unlike the response of single-feed antennas.

The TW2600 is housed in a compact, industrialgrade weatherproof, magnet mount enclosure, with threaded base holes for screw down attach.



### Applications

- Iridium® Voice and Data Applications
- Sea & Land Container Tracking
- Law enforcement and public safety
- Fleet management and asset tracking
- Marine & Avionics Systems
- Law enforcement and public safety

### Features

- Custom 4.25 dBic dual-feed patch
- Great axial ratio, 3 dB over full bandwidth
- 15 kV ESD circuit protection
- IP67 weather proof housing
- Robust industrial-grade enclosure
- Magnet or screw mount

### Benefits

- Excellent circular polarized signal transmission
- Industrial temperature range
- Rugged Design
- Ideal for harsh environments
- RoHS and REACH compliant
- Remote SBD antenna

**About Calian:** With global headquarters and manufacturing in Ottawa, Canada, Calian is a leading manufacturer of high-precision antennas and components for Global Navigation Satellite System (GNSS) applications. Calian's mission is to support the needs of a new generation of positioning systems by delivering unprecedented antenna precision at competitive prices. Learn more at [www.calian.com](http://www.calian.com)

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Frequency Coverage: Iridium

Antenna - Measured with a 100 mm ground plane

Technology Dual-feed RHCP ceramic patch

		Gain dBic typ. at Zenith	Axial Ratio dB at Zenith
GNSS			
GPS / QZSS	L1	-	-
	L2	-	-
	L5	-	-
GLONASS	G1	-	-
	G2	-	-
	G3	-	-
Galileo	E1	-	-
	E5A	-	-
	E5B	-	-
	E6	-	-
BeiDou	B1	-	-
	B2b	-	-
	B2a	-	-
	B3	-	-
IRNSS / NavIC	L5	-	-
QZSS	L6	-	-
L-Band Services (1525 MHz - 1559 MHz)		-	-
Satellite Communications			
Iridium		4.25	≤ 3
Globalstar		-	-
Other			
Axial Ratio at 10°	-	Efficiency	-
PC Variation	-		

## Mechanicals

Size	57 mm (dia.) x 16 mm (h.)
Weight	160 g
Radome	LEXAN™ EXL9330, Base: Zamac Metal
Mount	Magnetic, adhesive, or permanent
Available Connectors	Please refer to ordering guide

## Environmental

Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to 95 °C
Vibration	MIL-STD-810-E - Test Method 514.5
Shock	MIL-STD-810-G - Test Method 516.6
Salt Fog	MIL-STD-810-F - Test Method 509.5
IP Rating	IP67
Compliance	IPC-A-610, FCC, RED / CE Mark, RoHS, REACH

## Warranty:

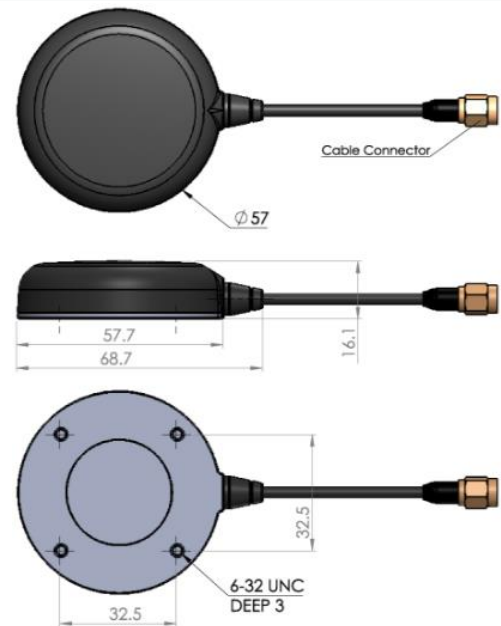
Parts and Labour	3-year standard warranty
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Low Noise Amplifier (LNA) - Measured at 3V and 25°C

Upper Band	Lower Band
Frequency Bandwidth	
1616 - 1626 MHz	-
Out-of-band Rejection	
-	-

Architecture	Passive
Gain	-
Noise Figure	-
VSWR	< 1.5:1 typ., 1.8:1 max
Supply Voltage Range	-
Supply Current	-
ESD Circuit Protection	-
P 1dB Output	-
Group Delay	-
PCO	-

## Mechanical Diagram - Units in 'mm'



## Ordering Information

Part Number 33-2600-xx-yyyy

Where xx = connector type and yyyy = cable length in mm

Please refer to our **Ordering Guide** to review available radomes and connectors at:  
<https://www.tallysman.com/resource/tallysman-ordering-guide/>