



## HWXXX-6516DS-VTM

**Andrew® DualPol® Hex Port Teletilt® Antenna, 1710–2690 MHz, 65° horizontal beamwidth, RET compatible**

- Provides a “future-proof” antenna solution with flexibility to reassign antenna, for example GSM 1800 service to 2.6GHz LTE at a later date
- Excellent solution for site sharing and maximizing capacity
- Employs state-of-the-art ultra wideband technology providing excellent RF performance in all bands
- MIMO ready

### Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2180	2300–2500	2500–2690
Gain, dBi	17.6	17.7	17.9	18.4	18.3
Beamwidth, Horizontal, degrees	63	65	65	63	64
Beamwidth, Vertical, degrees	7.3	6.8	6.4	5.5	5.1
Beam Tilt, degrees	0–10	0–10	0–10	0–10	0–10
USLS by Beam Tilt, dB	0° 5° 10° 15 15 15	0° 5° 10° 16 16 15	0° 5° 10° 17 16 15	0° 5° 10° 18 15 13	0° 5° 10° 18 15 13
Front-to-Back Ratio at 180°, dB	27	27	27	27	27
Isolation, dB	30	30	30	30	30
VSWR   Return Loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350	300	300
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

### Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	6
Lightning Protection	dc Ground
Radome Material	Fiberglass, UV resistant
Wind Area, maximum	0.4 m <sup>2</sup>   4.0 ft <sup>2</sup>
Wind Loading, maximum	715.0 N @ 150 km/h 160.7 lbf @ 150 km/h
Wind Speed, maximum	241.4 km/h   150.0 mph

### Dimensions

Depth	118.0 mm   4.6 in
Length	1390.0 mm   54.7 in
Width	504.0 mm   19.8 in
Net Weight	19.5 kg   43.0 lb

### Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	HWXXX-6516DS-A3M
RET System	Teletilt®

HWXXX-6516DS-VTM

POWERED BY



## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

### Classification

Compliant by Exemption

Above Maximum Concentration Value (MCV)



## Included Products

BSAMNT-1 — Wide Profile Antenna Downtilt Mounting Kit for 2.5 - 4.5 in (64 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

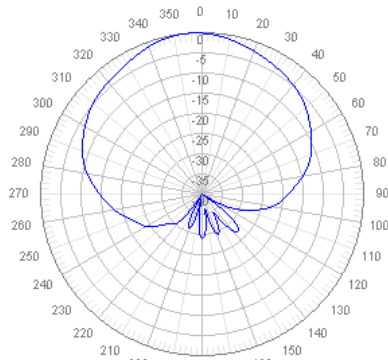
HWXXX-6516DS-VTM

POWERED BY

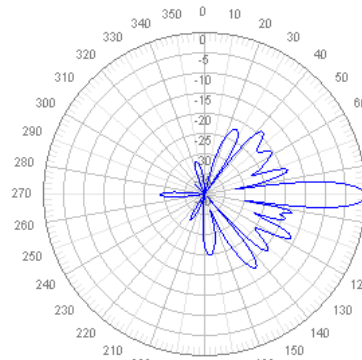


## Azimuth Pattern

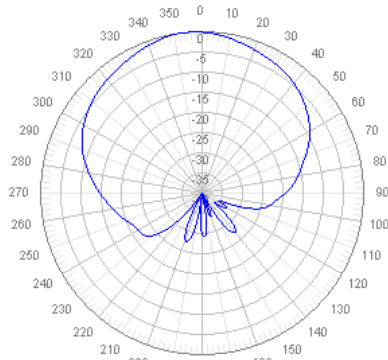
## Elevation Pattern



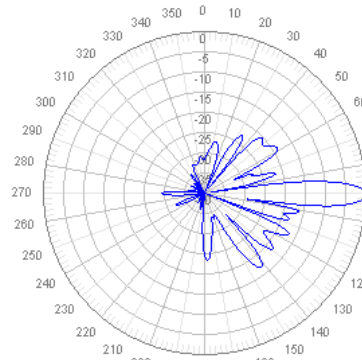
Freq: 1785, tilt 0



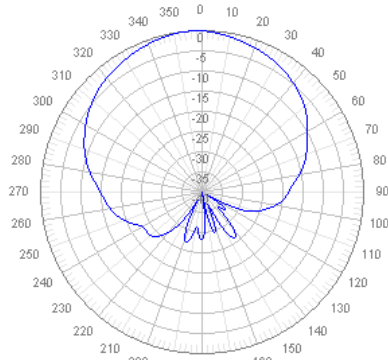
Freq: 1785, tilt 0



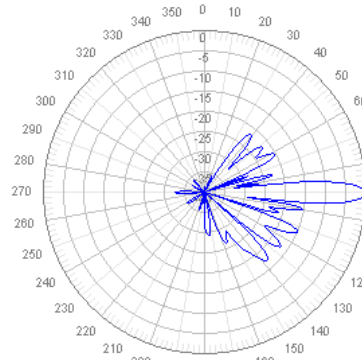
Freq: 1920, tilt 0



Freq: 1920, tilt 0



Freq: 2110, tilt 0



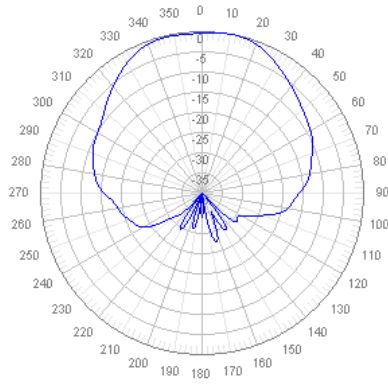
Freq: 2110, tilt 0

# Product Specifications

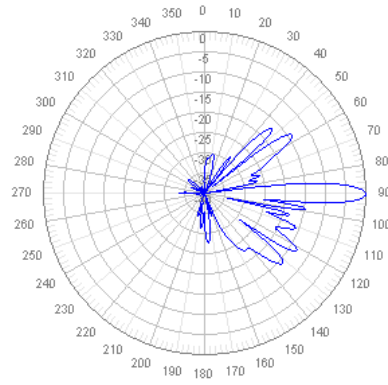
COMMScope®

HWXXX-6516DS-VTM

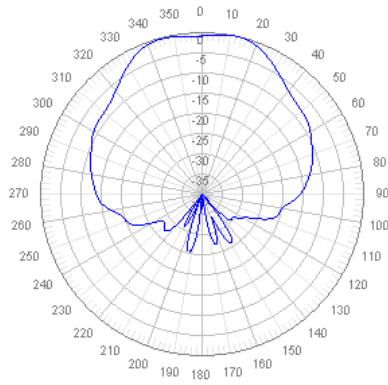
POWERED BY



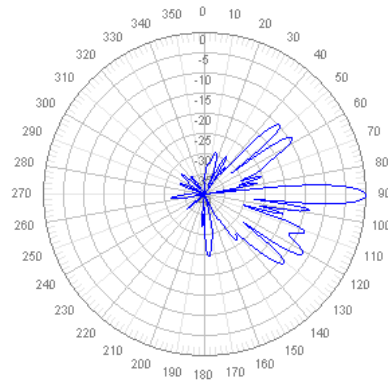
Freq: 2300, tilt 0



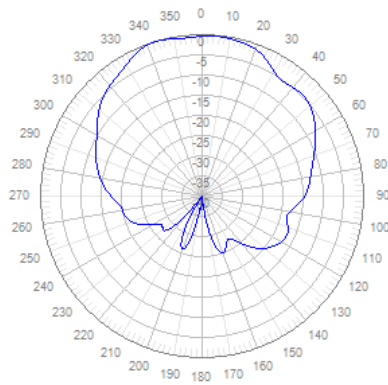
Freq: 2300, tilt 0



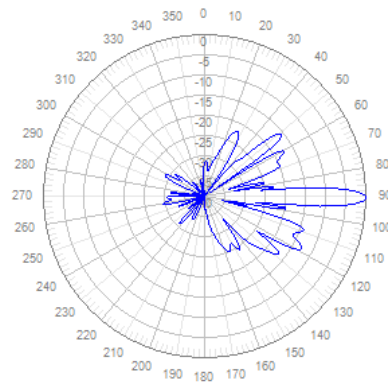
Freq: 2400, tilt 0



Freq: 2400, tilt 0



Freq: 2600, Tilt: 0°



Freq: 2600, Tilt: 0°