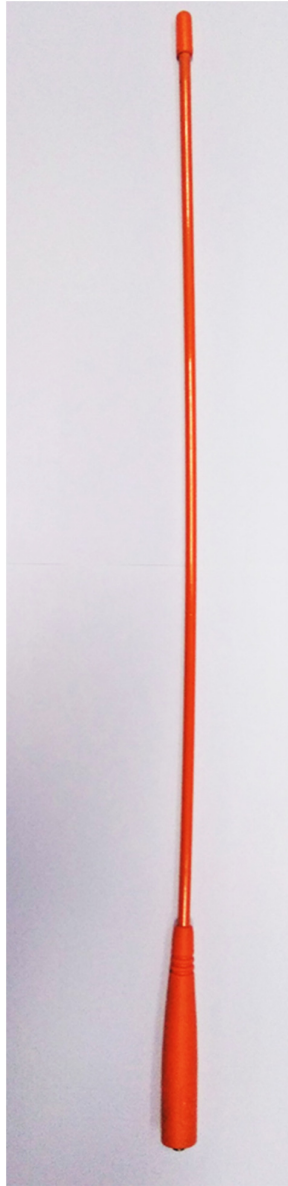




PRODUCT SPECIFICATION

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Specification No. BKR0813		Description 1/4 Wave 50cm VHF/GPS Whip Antenna	
Customer BK Technology	Date 11-Jan-2023	Revision A	Reference



VHF/GPS Quarter Wave Whip Antenna

SPECIFICATIONS	
Frequency	VHF ~ 136 - 174MHz GPS ~ 1556 - 1616MHz
Gain	VHF ~ -6 to -4dBi GPS ~ -1dBi
VSWR	< 2.0:1
Polarization	VHF ~ Vertical GPS ~ Linear
Nominal impedance	50 Ohms
Power Handling	10W
Dimensions	Length ~ 500mm Diameter ~ 15mm
Operational Temperature	-40°C to +75°C
Connector type	SMA Female
RoHS	Compliant

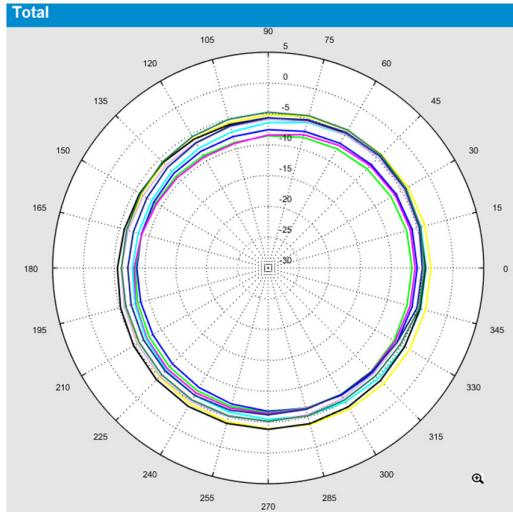
Confidential



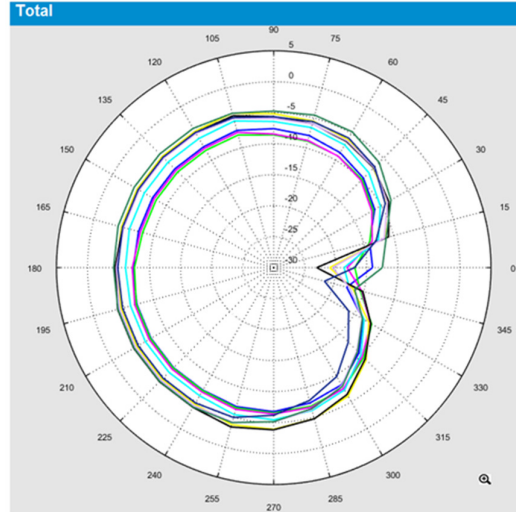
PRODUCT SPECIFICATION

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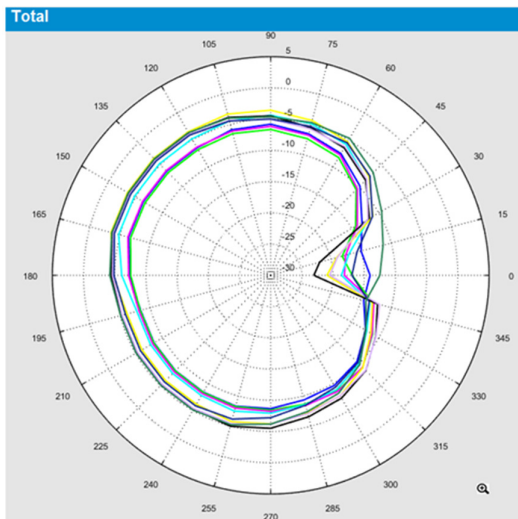
Specification No. BKR0813		Description 1/4 Wave 50cm VHF/GPS Whip Antenna	
Customer BK Technology	Date 11-Jan-2023	Revision A	Reference



VHF - Azimuth plane cut



VHF – Elevation 0 plane cut



VHF – Elevation 90 plane cut

☒	135MHz	
☒	140MHz	
☒	145MHz	
☒	150MHz	
☒	155MHz	
☒	160MHz	
☒	165MHz	
☒	170MHz	
☒	175MHz	

VHF Legend

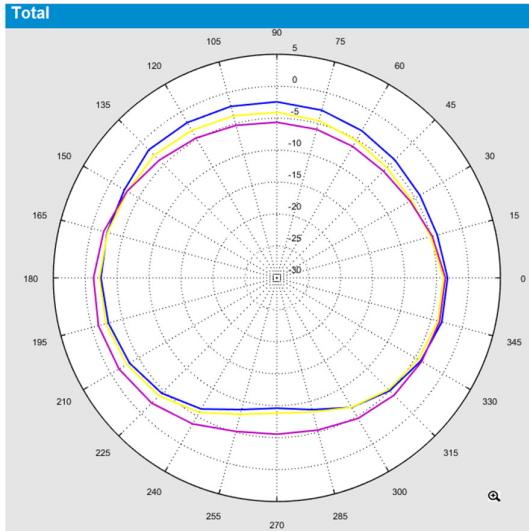
Confidential



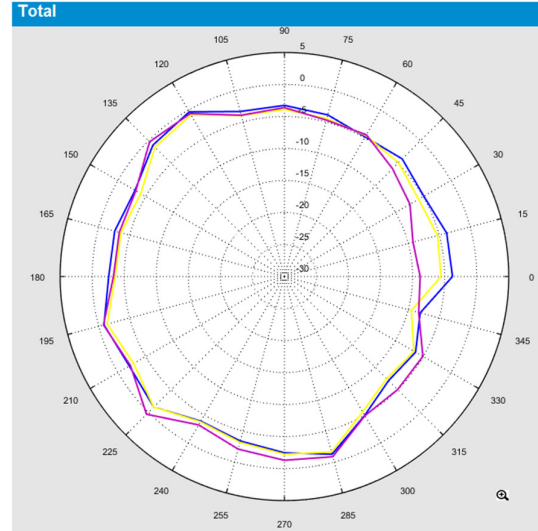
PRODUCT SPECIFICATION

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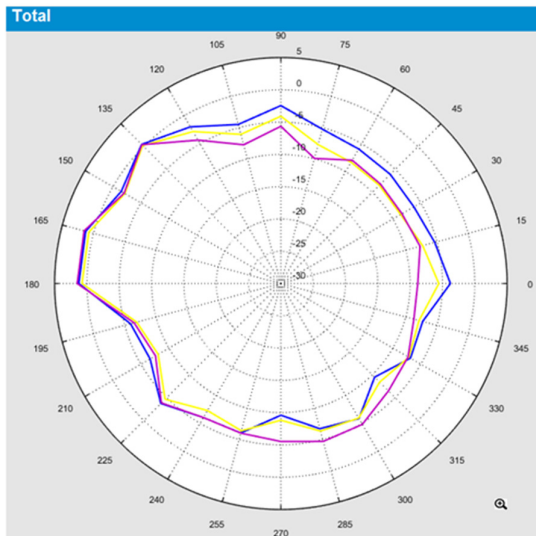
Specification No. BKR0813		Description 1/4 Wave 50cm VHF/GPS Whip Antenna	
Customer BK Technology	Date 11-Jan-2023	Revision A	Reference



GPS - Azimuth plane cut



GPS – Elevation 0 plane cut



GPS – Elevation 90 plane cut

☒	1.556GHz	
☐	1.56GHz	
☐	1.565GHz	
☐	1.57GHz	
☒	1.575GHz	
☐	1.58GHz	
☐	1.585GHz	
☐	1.59GHz	
☐	1.595GHz	
☐	1.6GHz	
☐	1.605GHz	
☐	1.61GHz	
☒	1.616GHz	

GPS - Legend

Confidential