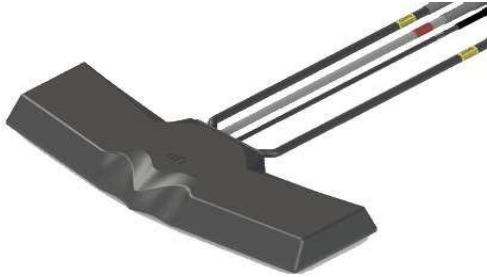


Dash Mount GPS/GNSS, WiFi + MiMo 4G/3G/2G Antenna

BATGM[F][2]-7-27-24-58

Dash Mount 4G/3G/2G Antenna with optional GPS/GNSS & (MiMo) WiFi



- Mount on or under dashboard
- MiMo 4G/3G/2G functionality
- WiFi 2.4/5.0GHz (MiMo Option)
- GPS/GNSS 26dB LNA

The Panorama BATGM range is designed for Telematics applications requiring high speed data with MiMo 4G and fallback 3G/2G support along with optional positioning through GPS/GNSS, and optional dual band 2.4/5.0GHz Wifi.

The isolated dual 4G/3G/2G antennas cover 698-960/1710-3800MHz and the efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in many low coverage areas.

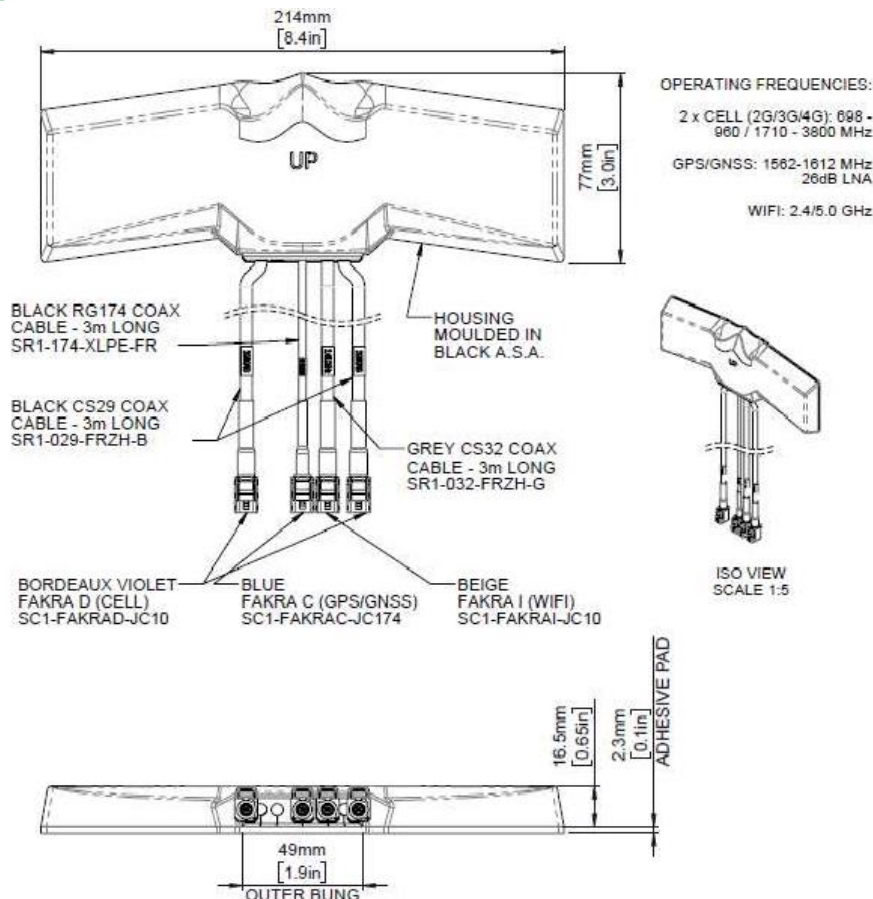
The antenna is designed to be mounted on or under a vehicle dashboard but can be mounted on any non-conductive surface. The BAT range is supplied with up to five integrated low loss cables which are flame retardant and meet the requirements of UN118.01.

Produit disponible auprès de :



Technical Drawing

BATGMF-7-27-24-58 shown



Dash Mount GPS/GNSS, WiFi + MiMo 4G/3G/2G Antenna

PANORAMA ANTENNAS

BATGM[F][2]-7-27-24-58

Product Data

Part No.

BATGM2-7-27-24-58

BATGMF2-7-27-24-58

BATGM-7-27-24-58

BATGMF-7-27-24-58

Electrical Data

Frequency Range (MHz)	Elements 1&2	698-960/1710-3800		
	Element 3	1562-1612MHz		
	Element 4	2.4/5.0GHz		
	Element 5	2.4/5.0GHz	-	
Peak Gain†	Elements 1&2	2dBi (698-960MHz) / 3dBi (1710-2170MHz) / 5dBi (2500-3800MHz)		
	Element 4	4dBi (2.4GHz) / 5dBi (5.0GHz)		
	Element 5	4dBi (2.4GHz) / 5dBi (5.0GHz)	-	
Typical VSWR*	Elements 1&2	<2.5:1		
	Element 4	<2.5:1		
	Element 5	<2.5:1	-	
Typical Isolation *	Elements 1&2	>10dB		
Pattern	Omni-directional			
Impedance	50Ω			
Max input power (W)	20			

GPS/GNSS Data

Frequency Range (MHz)	1562-1612MHz
LNA Peak Gain	26dB
Typical Voltage	3-5VDC <20ma
Type Approval	E11

Mechanical Data

Dimensions (mm)	Length	214 (8.4")
	Width	77 (3")
	Height	16.5 (0.65")
Operating Temp (°C)	-30° / +70°C (-30° / 158°F)	
Material	ASA	
Colour	Black	

Mounting Data

Fixing	Adhesive pad			
Cable Data	Elements 1&2 (Cell)	Element 3 (GPS/GNSS)	Element 4 (WiFi)	Element 5 (WiFi)
Cable Type	FR CS29 (meets UN118.01)	FR RG174 (meets UN118.01)	CS32 (meets UN118.01)	CS32 (meets UN118.01)
Diameter (mm)	5 (0.2")	2.8 (0.11")	5 (0.2")	5 (0.2")
Length (m)	3 (10')	3 (10')	3 (10')	3 (10')
Termination				
BATGMF2-7-27-24-58	2x FAKRA D Jack (Burgundy)	FAKRA C Jack (Blue)	FAKRA I Jack (Beige)	FAKRA I Jack (Beige)
BATGMF-7-27-24-58	2x FAKRA D Jack (Burgundy)	FAKRA C Jack (Blue)	FAKRA I Jack (Beige)	-
BATGM2-7-27-24-58	2x SMA Plug (m)	SMA Plug (m)	Rev Pol SMA Plug (f)	Rev Pol SMA Plug (f)
BATGM-7-27-24-58	2x SMA Plug (m)	SMA Plug (m)	Rev Pol SMA Plug (f)	-

† Peak gain does not include cable attenuation *VSWR & Isolation measured on 3mm thick ASA with 3m (10') of CS29 cable

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PANORAMA ANTENNAS
15/08/2017 V1
Page 2

Produit disponible auprès de :



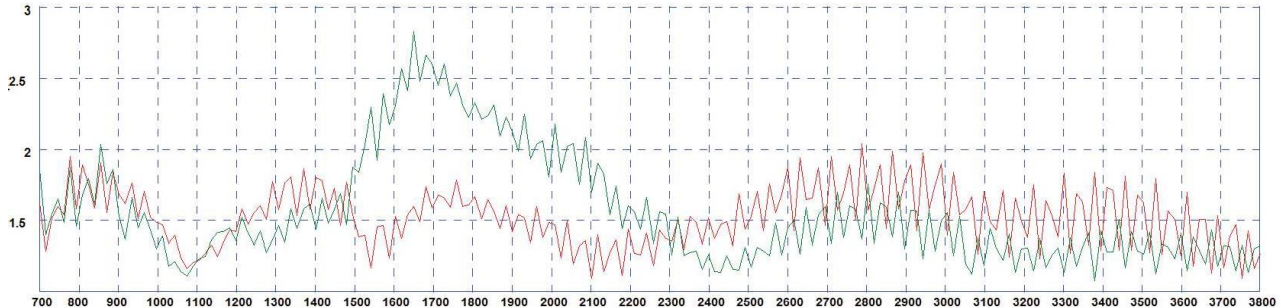
Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright©Panorama Antennas Ltd. All rights reserved.

Dash Mount GPS/GNSS, WiFi + MiMo 4G/3G/2G Antenna

BATGM[F][2]-7-27-24-58

Electrical Data - Cell

Typical VSWR Elements 1&2*



*VSWR measured on 3mm thick ASA with 3m (10') of CS29 cable

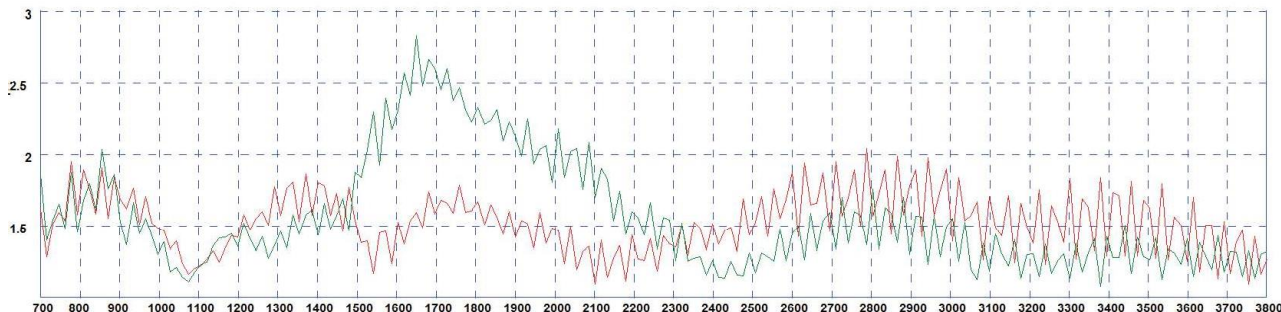
Typical Isolation Elements 1&2*



*Isolation measured on 3mm thick ASA with 3m (10') of CS29 cable

Electrical Data - WiFi

Typical VSWR Elements 4&5*



*VSWR measured on 3mm thick ASA with 3m (10') of CS32 cable

Produit disponible auprès de :

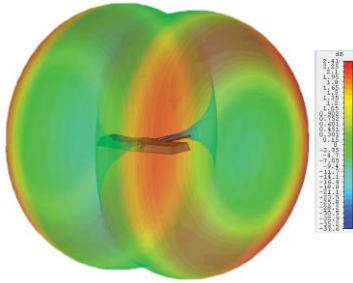


Dash Mount GPS/GNSS, WiFi + MiMo 4G/3G/2G Antenna

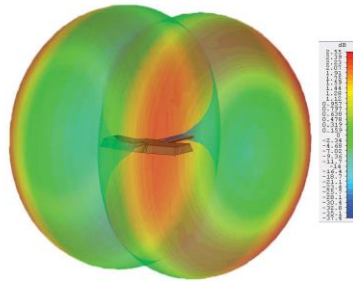
BATGM[F][2]-7-27-24-58

3G Patterns - Cell

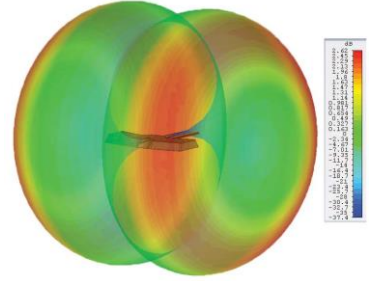
Typical 3D Pattern - 700MHz Elements 1&2 fed



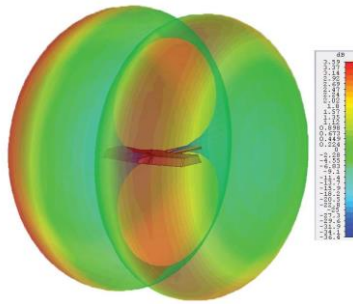
Typical 3D Pattern - 800MHz Elements 1&2 fed



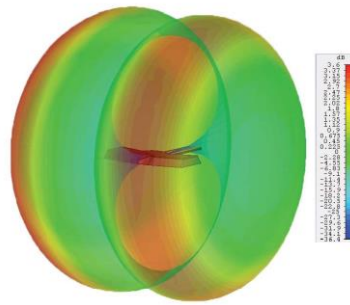
Typical 3D Pattern - 900MHz Elements 1&2 fed



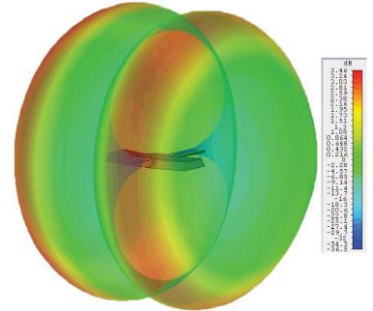
Typical 3D Pattern - 1800MHz Elements 1&2 fed



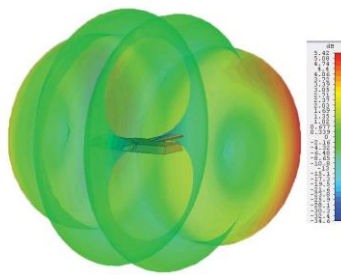
Typical 3D Pattern -1900MHz Elements 1&2 fed



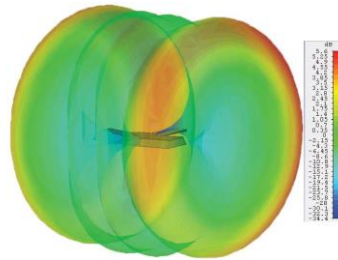
Typical 3D Pattern - 2100MHz Elements 1&2 fed



Typical 3D Pattern - 2600MHz Elements 1&2 fed



Typical 3D Pattern -3600MHz Elements 1&2 fed

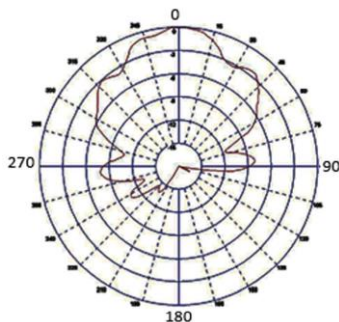


Produit disponible auprès de :

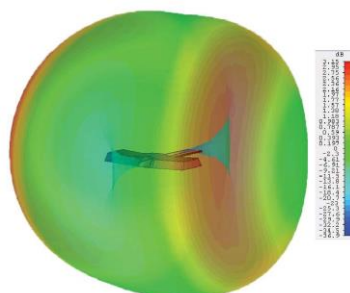
www.ebds.eu Tél : 09 72 36 76 46 info@ebds.eu

Pa tern -GNSS

Typical E Plane GPS/GNSS - 1575MHz Element 3



Typical 3D Pattern - 2.4GHz Elements 4&5 fed



Typical 3D Pattern - 5.4GHz Elements 4&5 fed

