



MP Antenna, LTD.
147 Eady Court
Elyria, Ohio 44035

440.387.5968 phone
440.545.3500 fax
www.mpantenna.com
sales@mpantenna.com

Part Number: 08-ANT-1117-5X-BCCBB1

model number: 08-ANT-1117
product description: 1X GPS, 2X WiFi(Dual Band, WiFi 6), 2X Cellular

Electrical Data

frequency range:	600-6000MHz, 2.4-2.5GHz, 4.9-6GHz, GPS
gain:	See Chart
vswr:	See Chart
horizontal pattern type:	Omni Directional
vertical patter type:	Hemispheric
ground plane:	Built In

Environmental Data

environmental cond.:	Outdoor/Indoor
operation temperature:	-40 to 85 deg C
storage temperature:	-40 to 85 deg C
transport temperature:	-40 to 85 deg C
IP Rating:	IP67
RoHS - REACH	Compliant

General Data

color:	Black
antenna feeds:	Five
coax length:	1 ft
coax type:	See Drawing
connector type:	SMA Male(3x), SMA Female(2x)
polarization:	Multi-Polarized
power:	50 Watts Input
impedance:	50 ohms Nominal
construction:	UV Stabilized ASA
gasket:	Contour Matching, TPE Gasket

Mechanical Data

length:	6.1 in
width:	6.1 in
radome height:	4.9 in
total height:	See Drawing
mounting type:	Connector
hardware included:	Nut, Washer

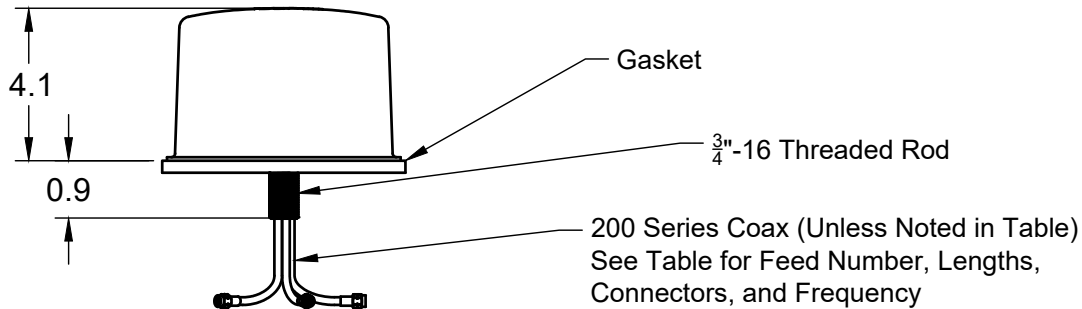
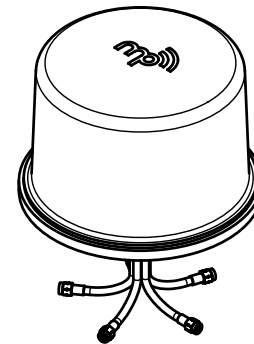
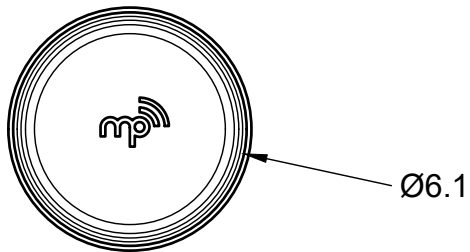
GPS Antenna

frequency band:	1559-1608MHz
amplifier gain:	@3.0 VDC:26dB (typical)
output vswr:	2.0:1 (maximum)
DC voltage:	2.8-6.0 V (operating)
noise figure:	<2.0 dB
out-of-band rejection:	1586 +/- 50MHz >60 dBc 1586 +/- 60MHz >70 dBc
nominal gain:	3dBic
polarization:	Right Hand Circular
nominal impedance:	50 Ohms



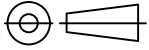
*** With built in spatial and polarization diversity, performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains.**

Minimum Mounting Hole Diameter	Max Mounting Hole Diameter	Max Mounting Surface Thickness	Color
0.76 Inches	1.0 Inches	0.5 Inches	Black



Feed Number	Frequency	Length of Coax	Connector
1	GPS	1 Foot (100 Series Coax)	SMA Male
2	Dual Band, 2.4 GHz 4.9-6 GHz	1 Foot	SMA Female
3	Dual Band, 2.4 GHz 4.9-6 GHz	1 Foot	SMA Female
4	600-6000 MHz	1 Foot	SMA Male
5	600-6000 MHz	1 Foot	SMA Male

Note: Mounting Hardware (Cut Nut and Cut Washer) Included

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	NAME	DATE			
	DRAWN	MC 11/27/23			





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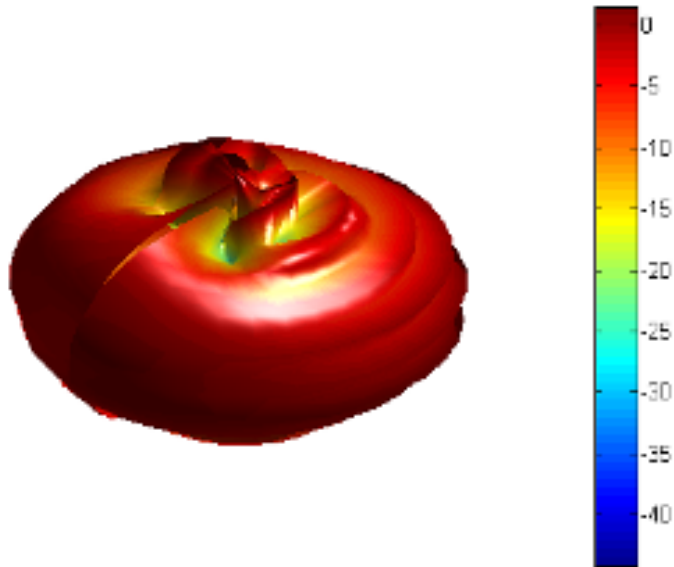
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Part Number: 08-ANT-1117-SF-BCCBB1

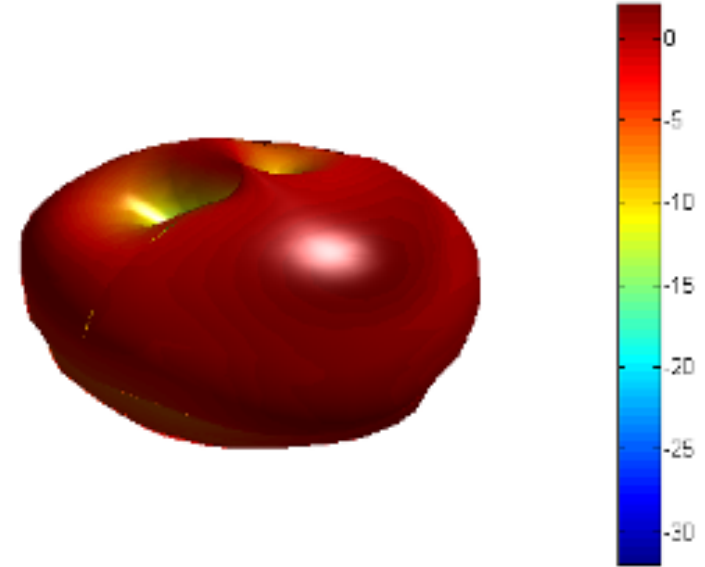
model number: 08-ANT-1117-SF

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 2.48 GHz
WiFi 1



Frequency: 2.48 GHz
WiFi 2





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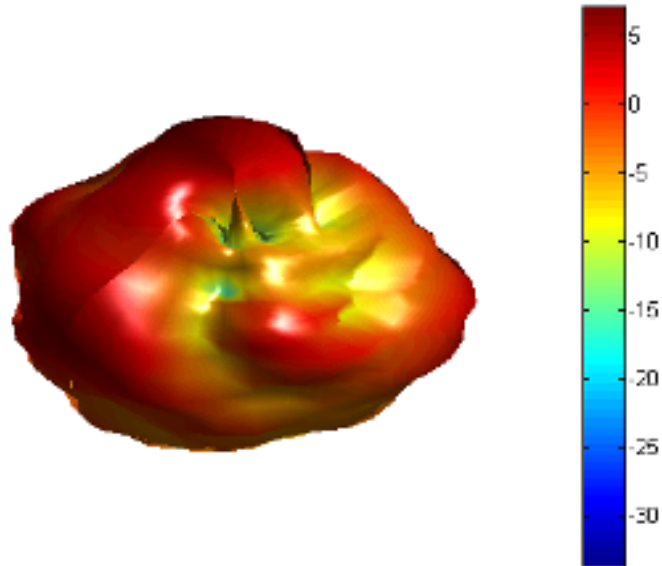
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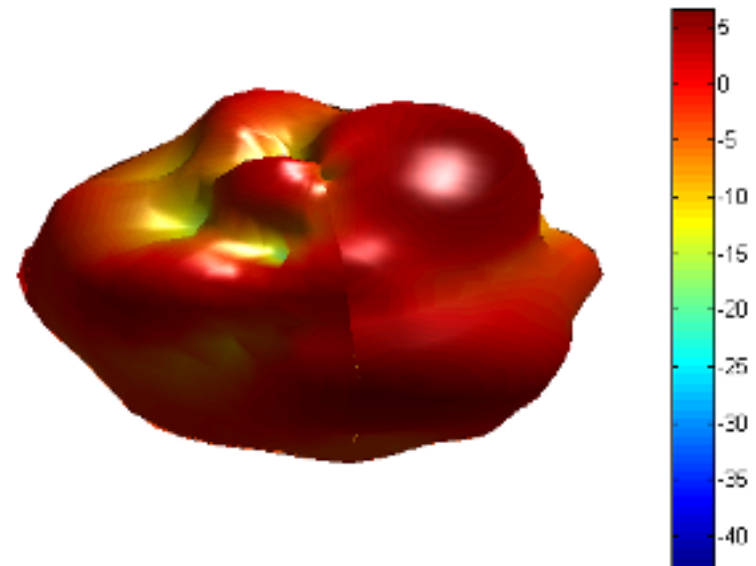
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 5.2 GHz
WiFi 1



Frequency: 5.2 GHz
WiFi 2





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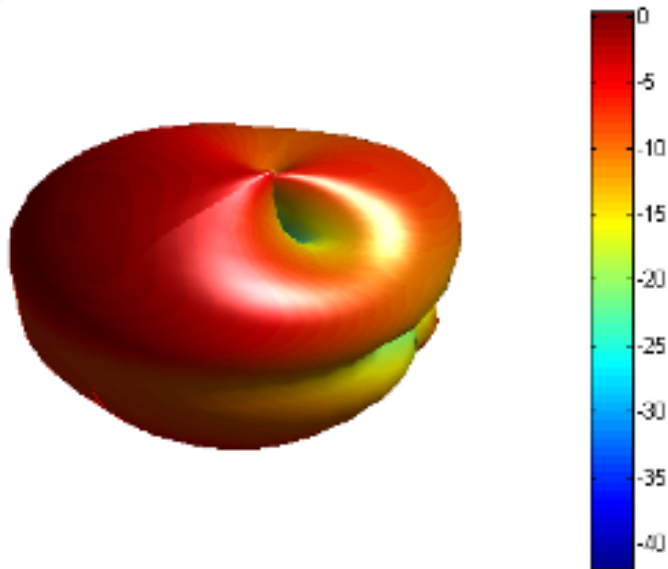
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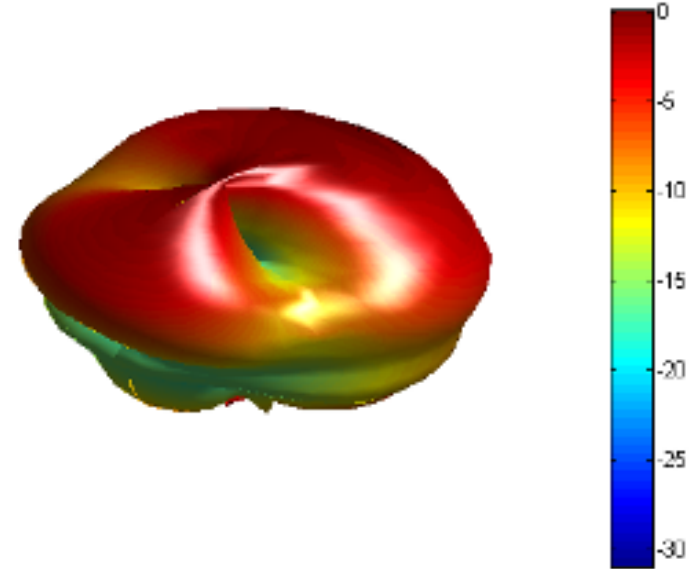
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 654 MHz
Cell 1



Frequency: 654 MHz
Cell 2





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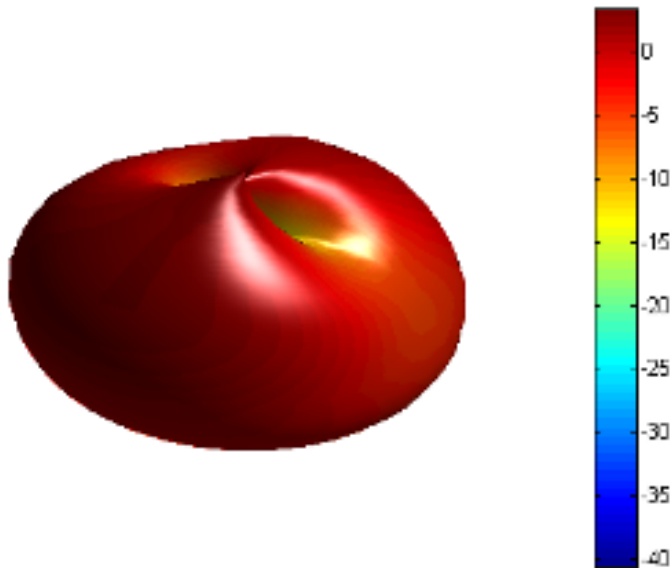
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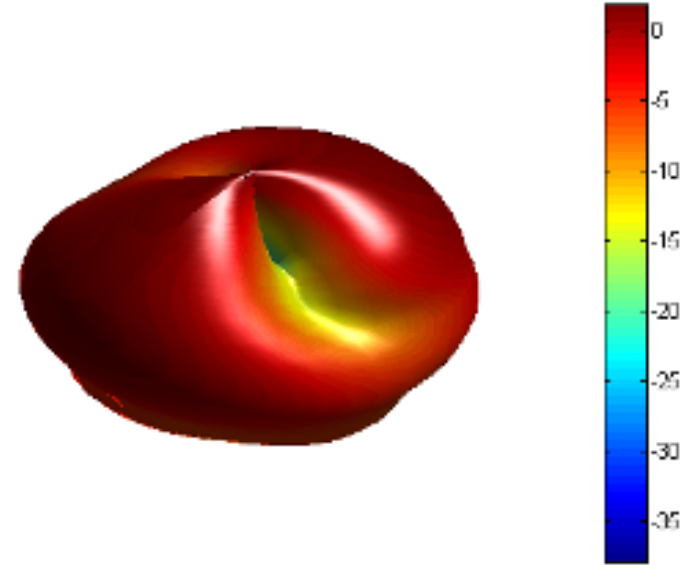
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 762 MHz
Cell 1



Frequency: 762 MHz
Cell 2





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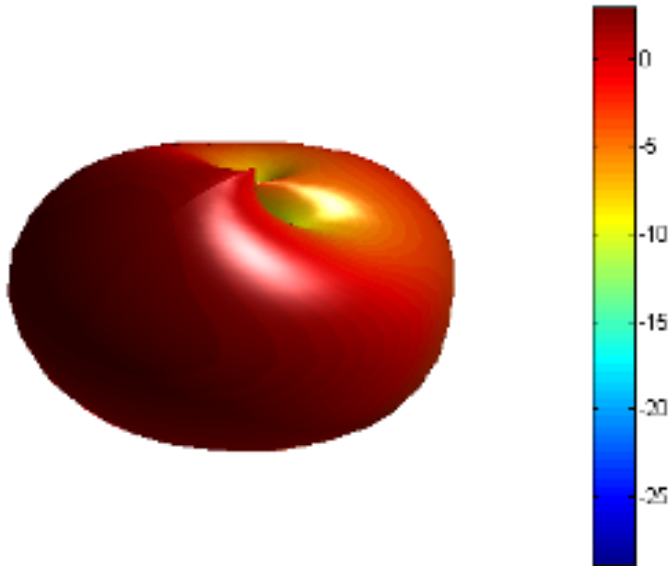
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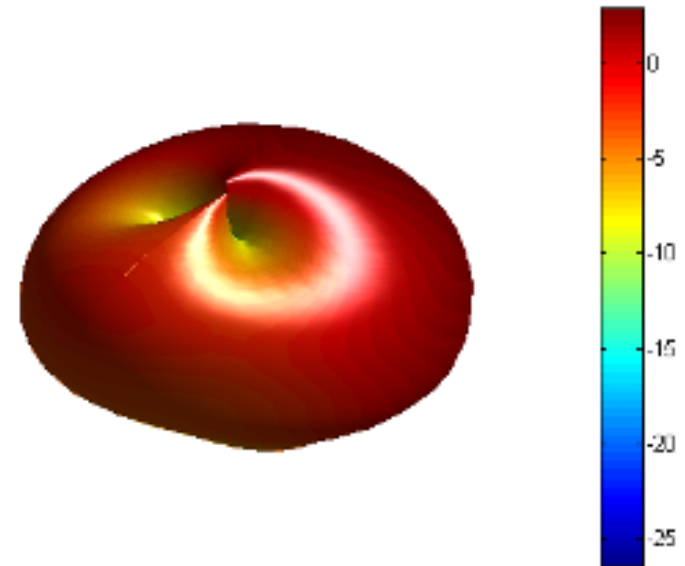
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 902 MHz
Cell 1



Frequency: 902 MHz
Cell 2





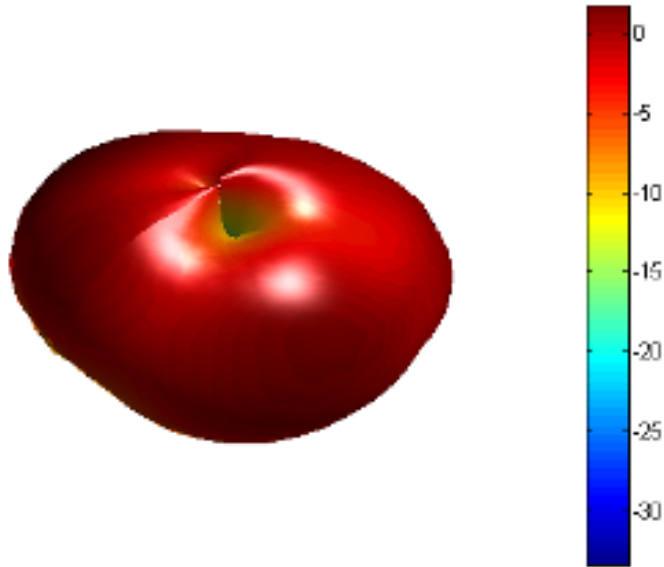
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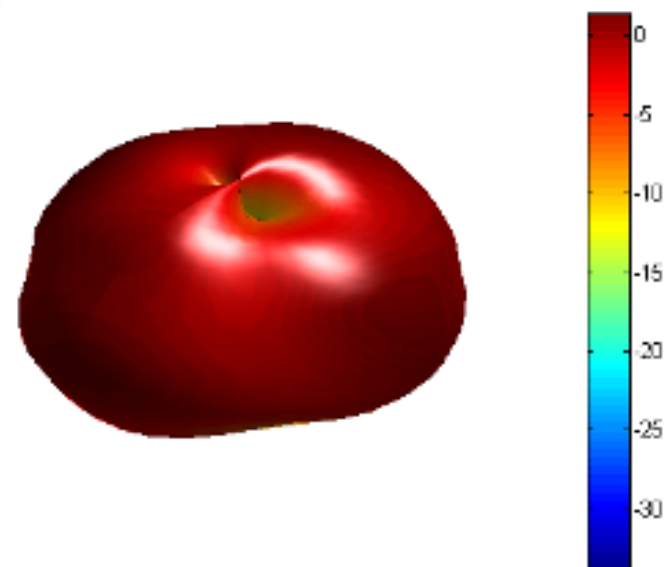
Part Number: 08-ANT-1117-5X-BCCBB1

model number: 08-ANT-1117
product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 2 GHz
Cell 1



Frequency: 2 GHz
Cell 2





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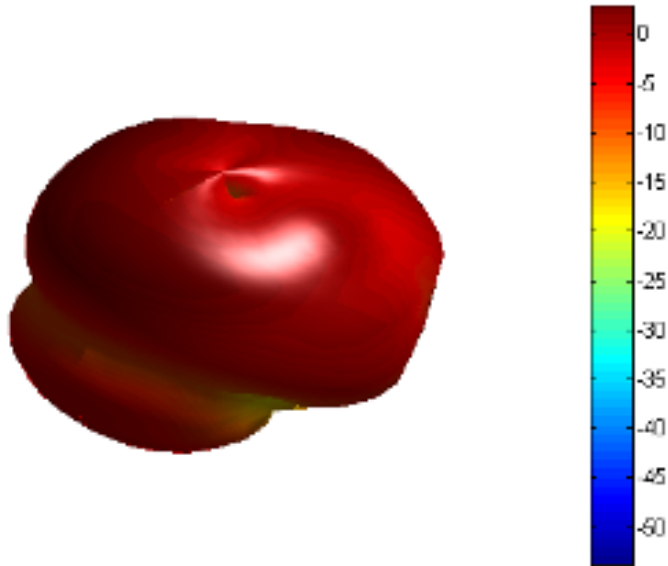
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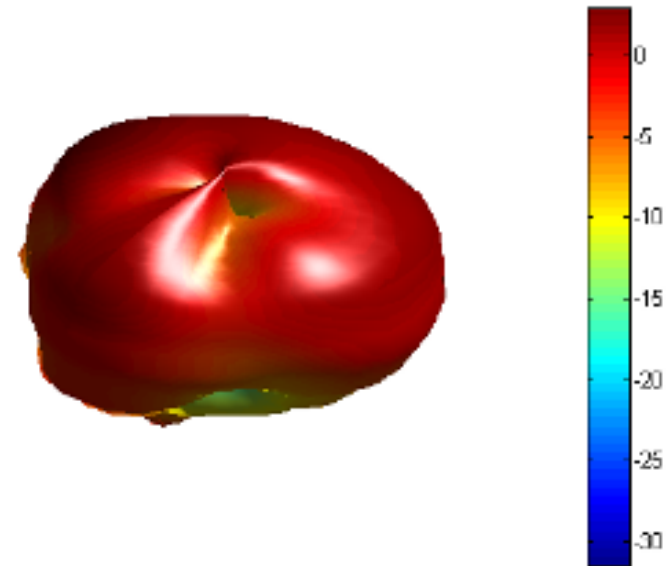
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 2.5 GHz
Cell 1



Frequency: 2.5 GHz
Cell 2





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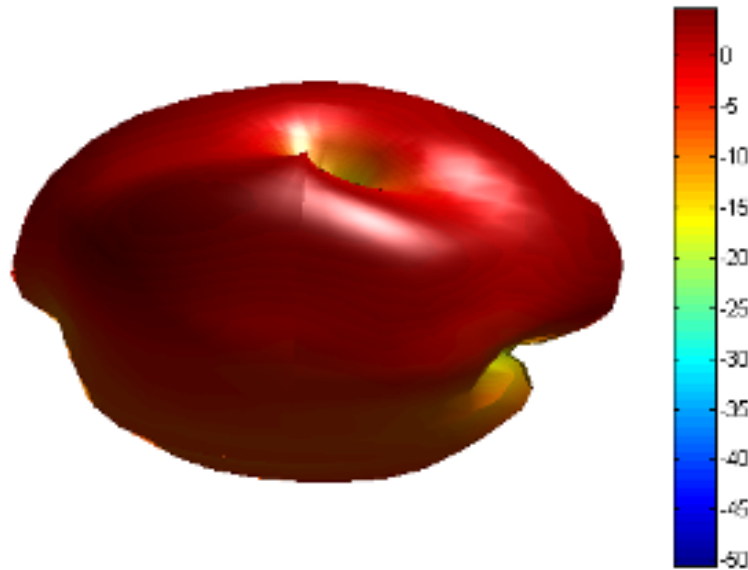
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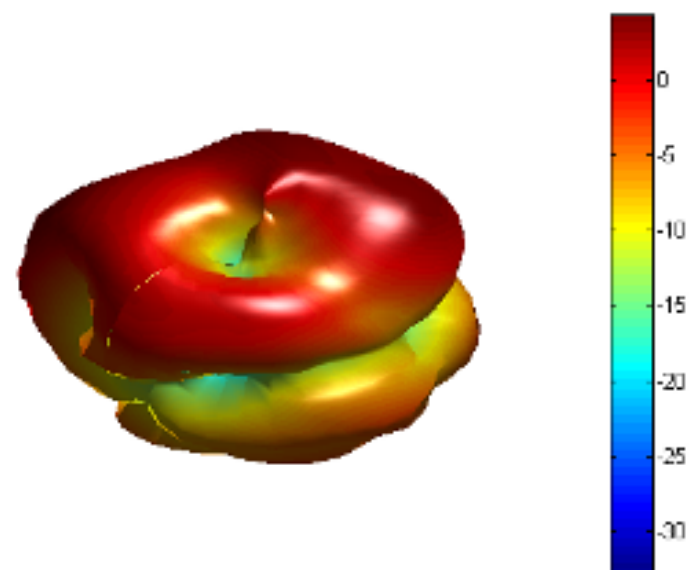
model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 3.6 GHz
Cell 1



Frequency: 3.6 GHz
Cell 2





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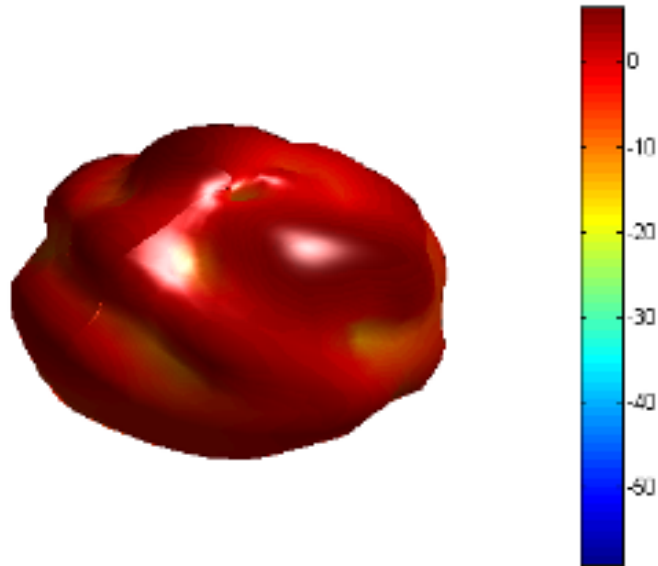
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Part Number: 08-ANT-1117-5X-BCCBB1

model number: 08-ANT-1117

product description: 1X GPS, 2X WiFi (Dual Band, WiFi 6), 2X Cellular

Frequency: 5.5 GHz
Cell 1



Frequency: 5.5 GHz
Cell 2

