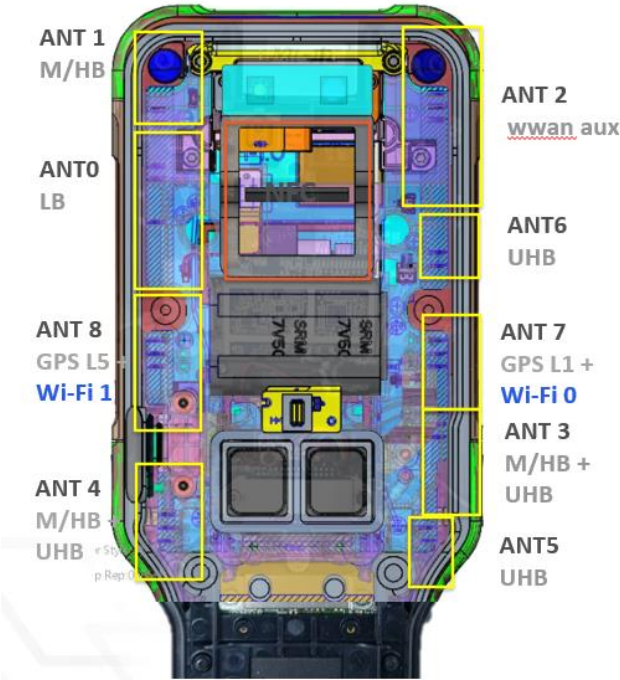


SPECIFICATION

Antenna Manufacturer	INPAQ TECHNOLOGY (SUZHOU) CO., LTD *No.5, Chunqiu Road, Panyang Industrial Park, Huangdai Town, Xiangcheng Zone, Suzhou City, 215143 Jiangsu Province, China
Frequency Range	Ant. 0 : 617 MHz ~ 960 MHz Ant. 1 : 1710 MHz ~ 2170 MHz, 2300 MHz ~ 2700 MHz Ant. 2 : 617 MHz ~ 960 MHz, 1710 MHz ~ 2170 MHz, 2300 MHz ~ 2700 MHz Ant. 3 : 1930 MHz ~ 2690 MHz, 3300 MHz ~ 5000 MHz Ant. 4 : 1930 MHz ~ 2690 MHz, 3300 MHz ~ 5000 MHz Ant. 5 : 3300 MHz ~ 5000 MHz Ant. 6 : 3300 MHz ~ 5000 MHz Ant. 7 : 1565 MHz ~ 1610 MHz, 2400 MHz ~ 2500 MHz, 5150 MHz ~ 7000 MHz Ant. 8 : 1166 MHz ~ 1229 MHz, 2400 MHz ~ 2500 MHz, 5150 MHz ~ 7000 MHz
Impedance	50 Ohms
Antenna type	Loop type: Ant0, Ant2 Loop +Coupling type: Ant3, Ant4 PIFA+Coupling type: Ant7, Ant8 Monopole+Coupling type: Ant1, Ant5, Ant6
Process	LDS
P/N	MDA-S6G1-034-1

Antenna Location



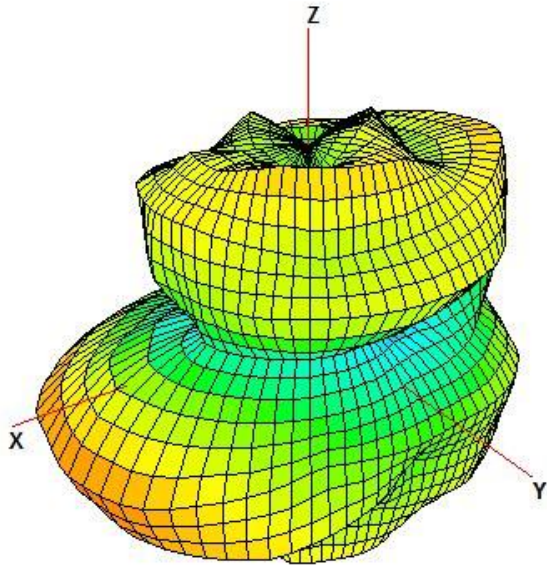
Antenna Gain

ANT0 (LB)		ANT1 (MB+HB)		ANT2 (LB+MB+HB)		ANT3 RX (MB+HB+UHB)		ANT4 RX (MB+HB+UHB)		ANT5 (UHB)		ANT6 (UHB)		ANT7 (WIFI/BT/GPS L1)		ANT8 (WIFI/GPS L5)	
Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain	Freq	Peak Gain
617~699	-3.58	1710~1995	1.19	617~699	-1.73	1805~1990	2.03	1805~1990	1.17	3300~3800	-1.50	3300~3800	-1.51	1559~1610	-0.76	1166~1186	1.02
716~898	-3.38	2110~2400	-0.56	716~898	-0.97	2110~2400	2.43	2110~2400	3.45	4200~5000	0.16	4200~5000	0.30	2400~2483.5	2.30	2400~2483.5	3.00
915~960	-2.89	2496~2690	1.38	915~960	-6.08	2496~2690	1.93	2496~2690	2.32					5150~5250	1.60	5150~5250	2.50
				1710~1785	0.59	3300~3800	-1.53	3300~3800	-1.54					5250~5350	1.90	5250~5350	2.40
				1805~1990	-0.41	4200~5000	0.15	4200~5000	-0.78					5470~5725	2.70	5470~5725	2.10
				2110~2400	-0.63									5725~5850	2.60	5725~5850	2.60
				2496~2690	-0.23									5850~5895	2.60	5850~5895	2.60
														5925~6425	2.70	5925~6425	3.00
														6425~6525	2.70	6425~6525	3.00
														6525~6875	4.00	6525~6875	3.00
														6875~7125	3.90	6875~7125	3.70

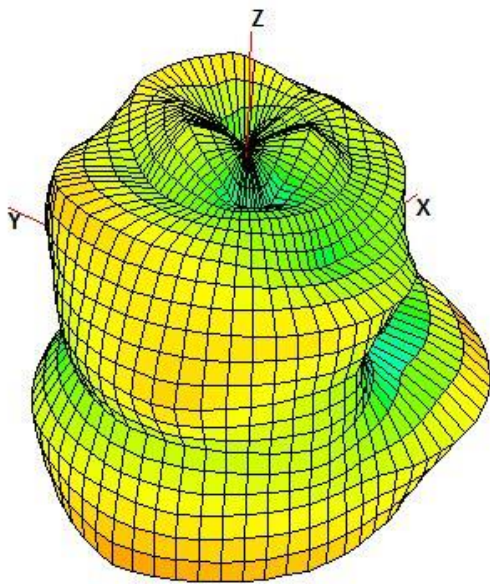
3D Radiation Pattern

Ant 0(LB)_700MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

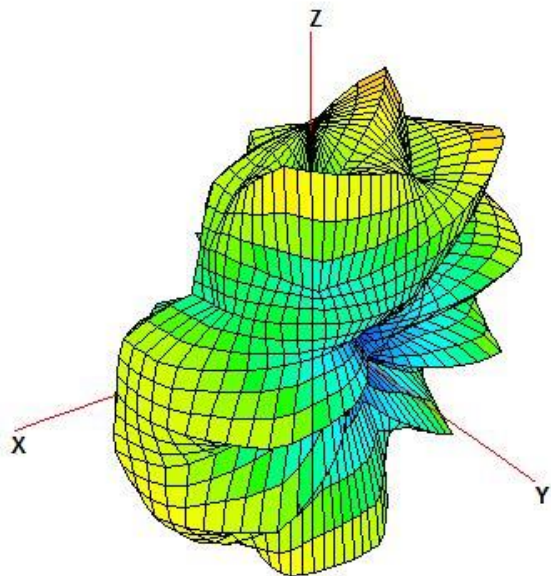


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

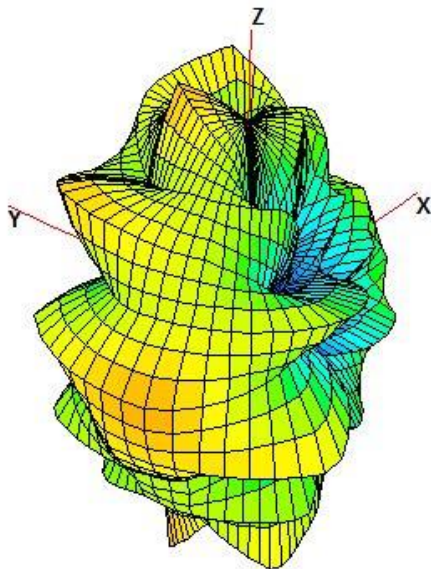


Ant 0(LB)_800MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

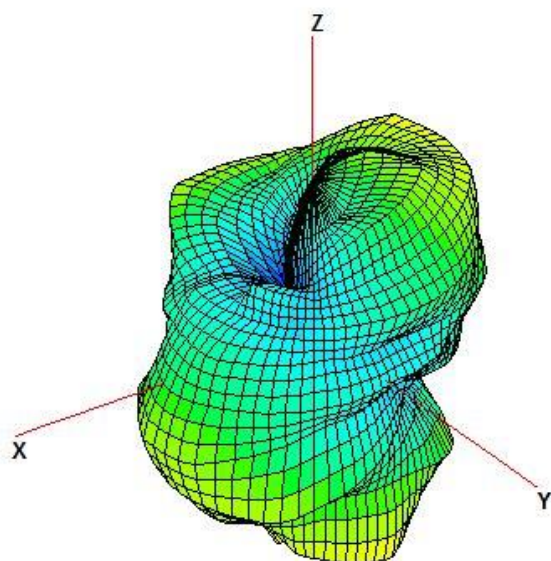


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

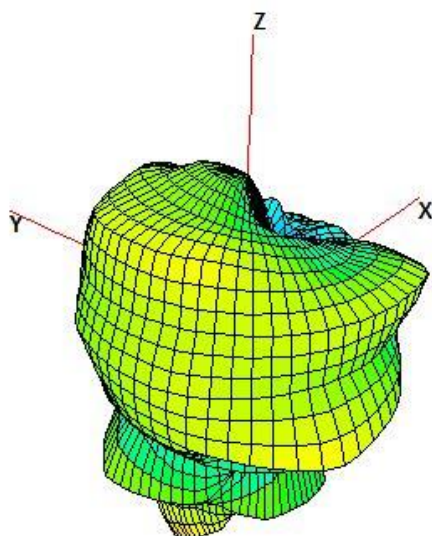


Ant 0(LB)_900MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

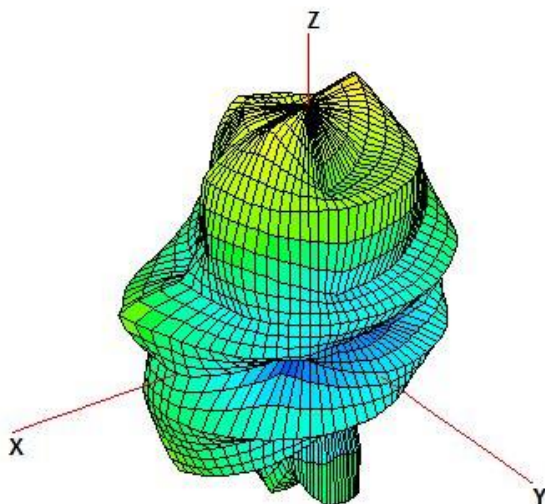


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

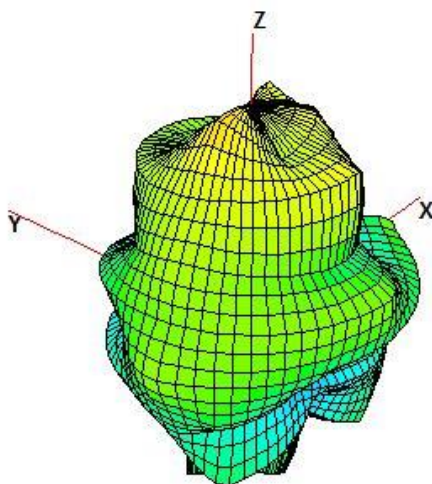


Ant 1(MB+HB)_1710MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

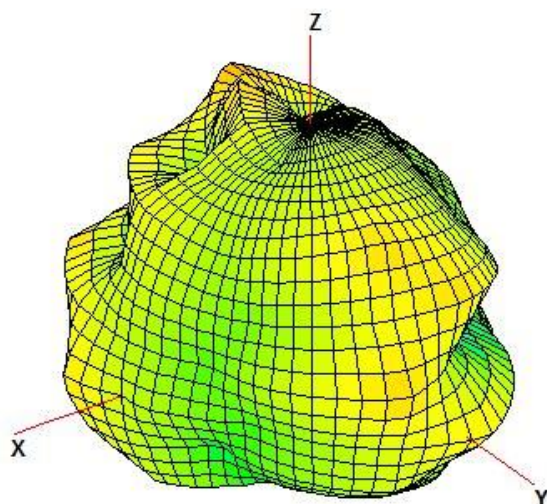


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

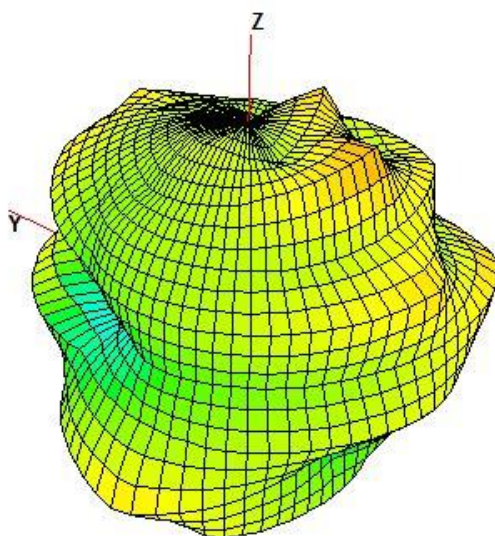


Ant 1(MB+HB)_2170MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

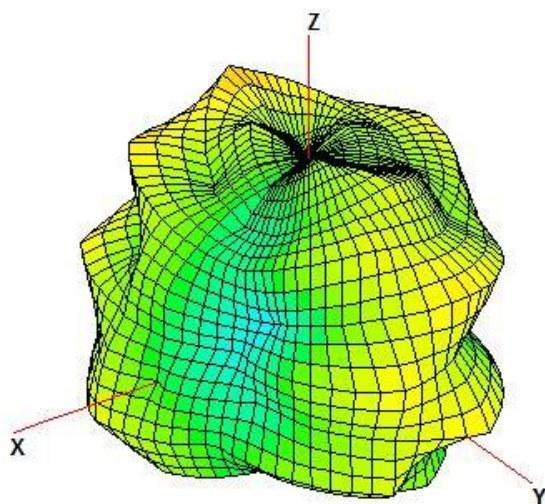


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

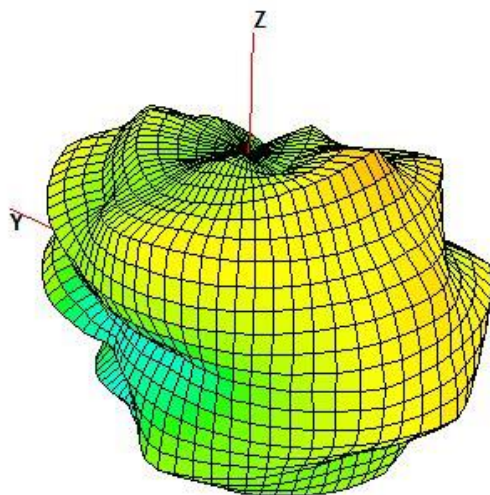


Ant 1(MB+HB)_2300MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

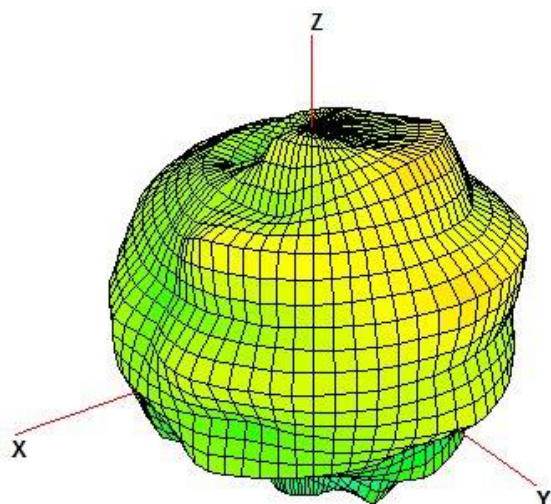


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

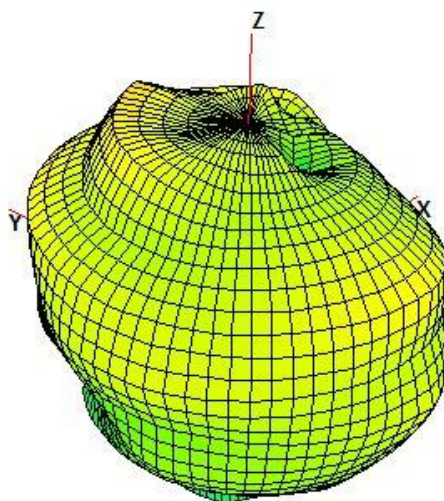


Ant 1(MB+HB)_2600MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

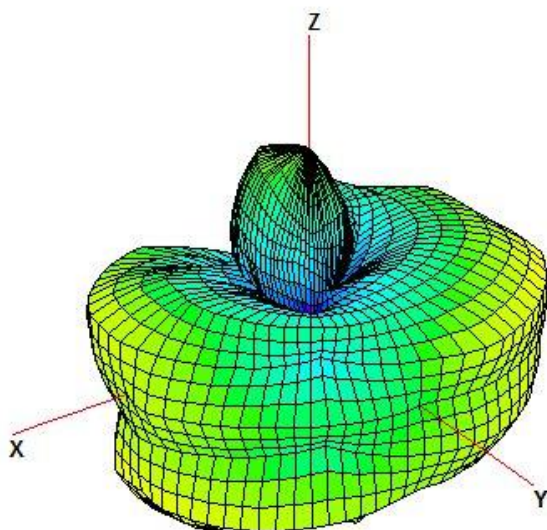


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

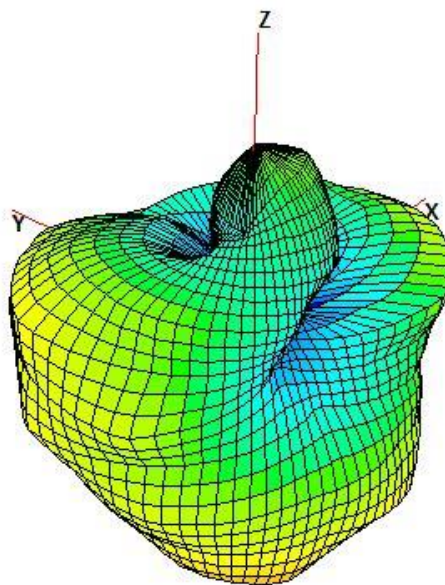


Ant 2 (LB+MB+HB)_700MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

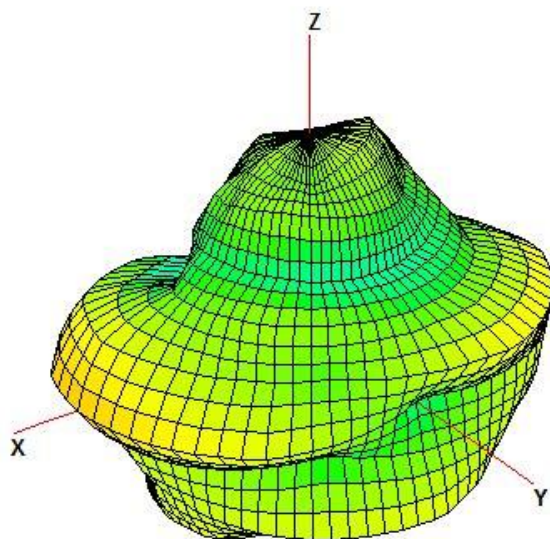


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

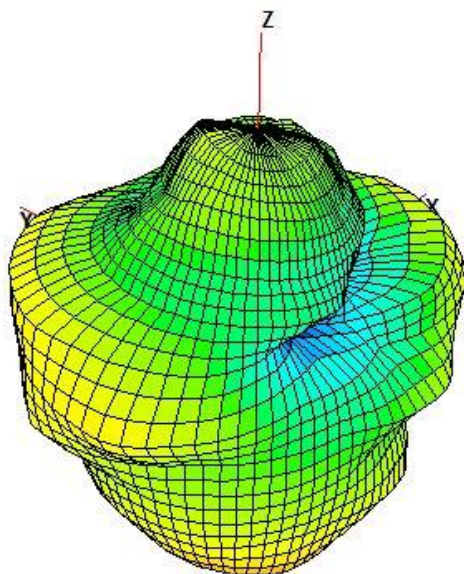


Ant 2(LB+MB+HB)_800MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

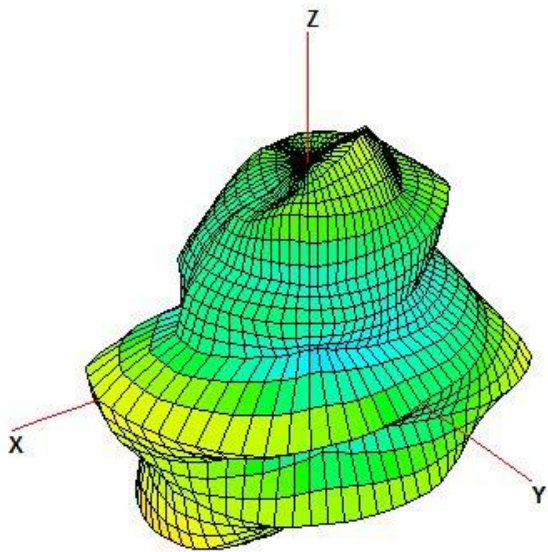


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

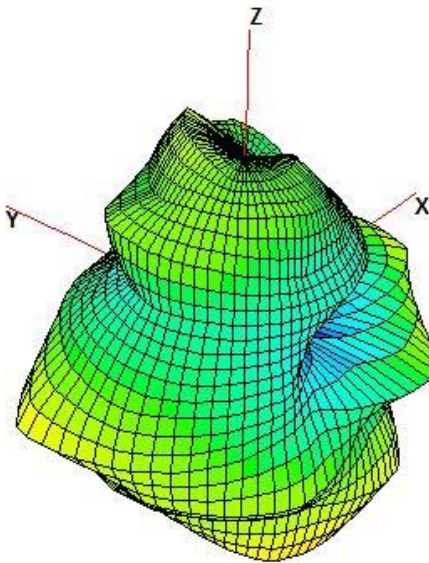


Ant 2(LB+MB+HB)_900MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

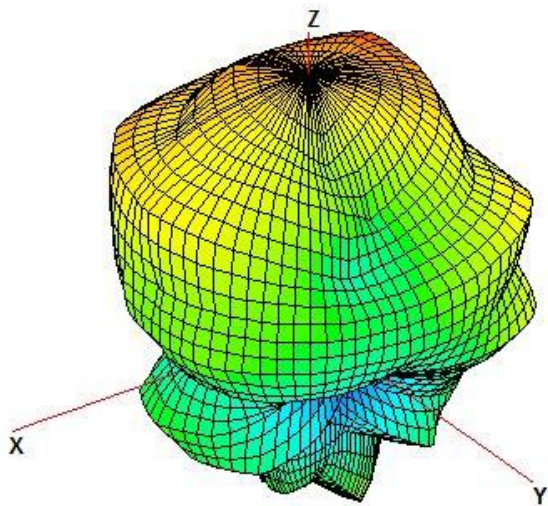


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

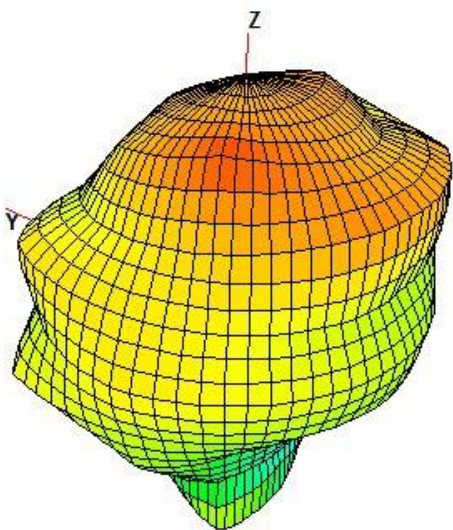


Ant 2(LB+MB+HB)_1700MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

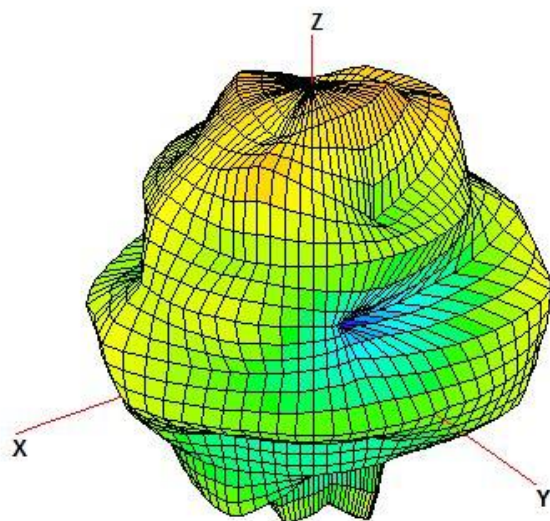


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

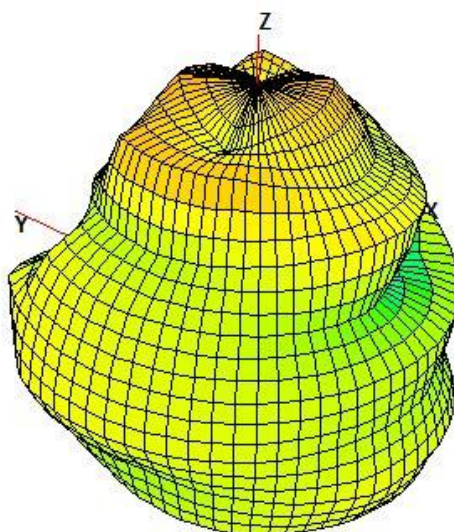


Ant 2(LB+MB+HB)_2170MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

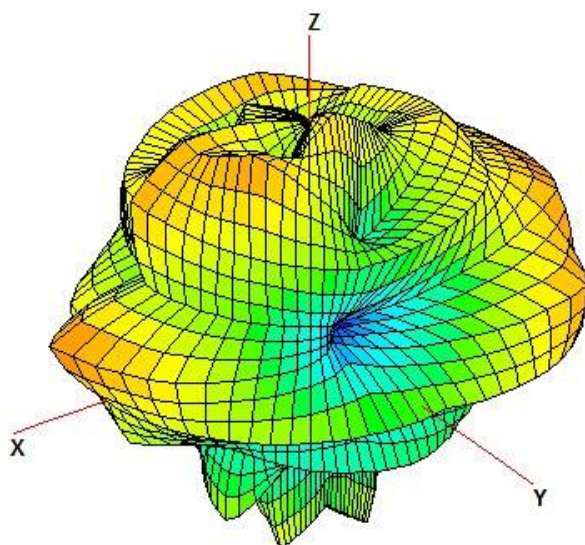


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

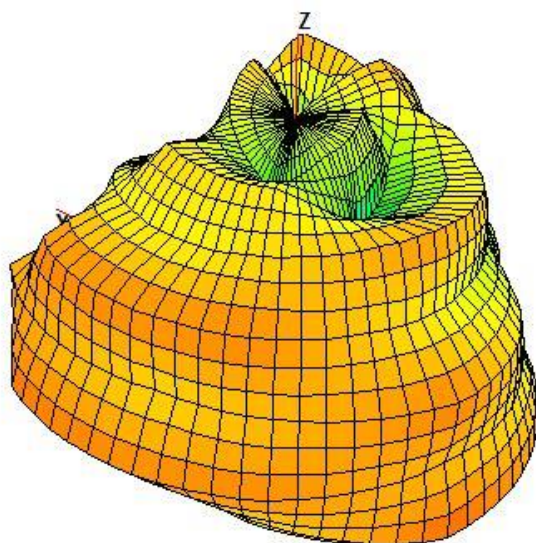


Ant 2(LB+MB+HB)_2300MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

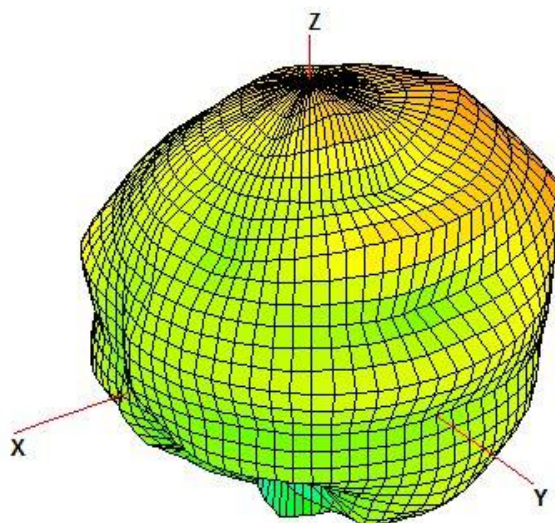


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

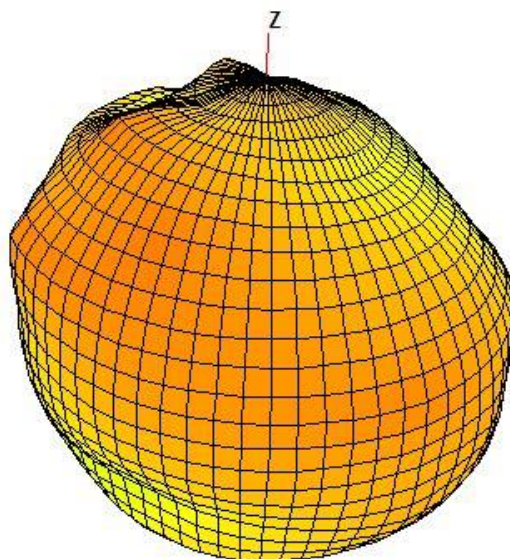


Ant 2(LB+MB+HB)_2600MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

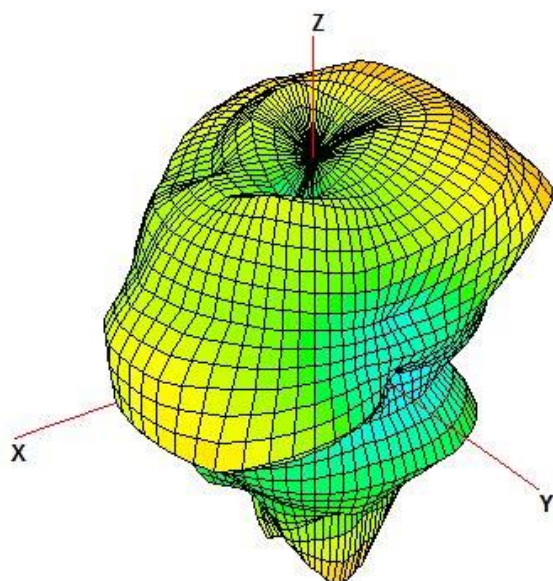


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

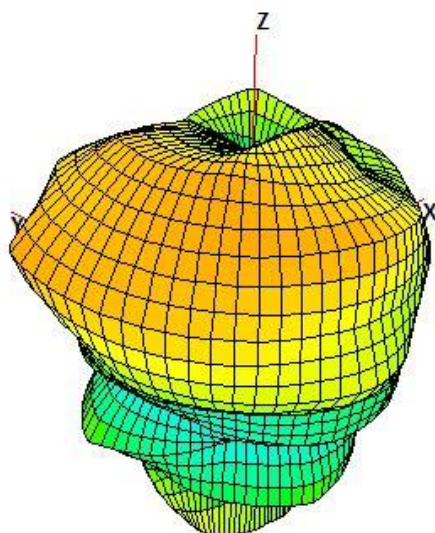


Ant 3(MB+HB+UHB)_1900MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

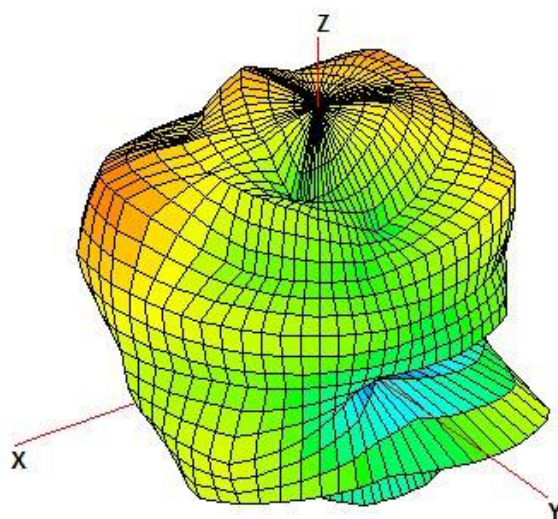


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

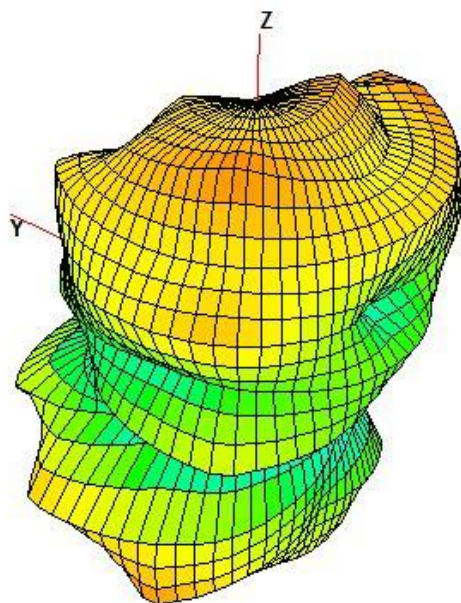


Ant 3(MB+HB+UHB)_2300MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

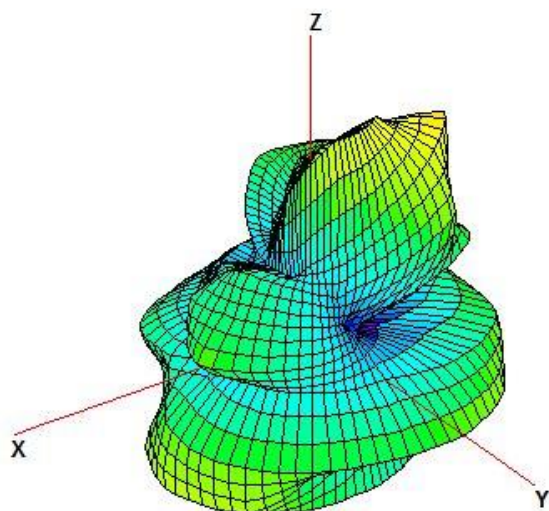


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

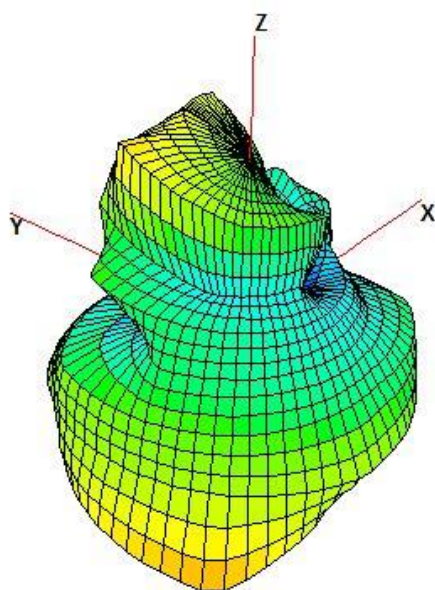


Ant 3(MB+HB+UHB)_2600MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

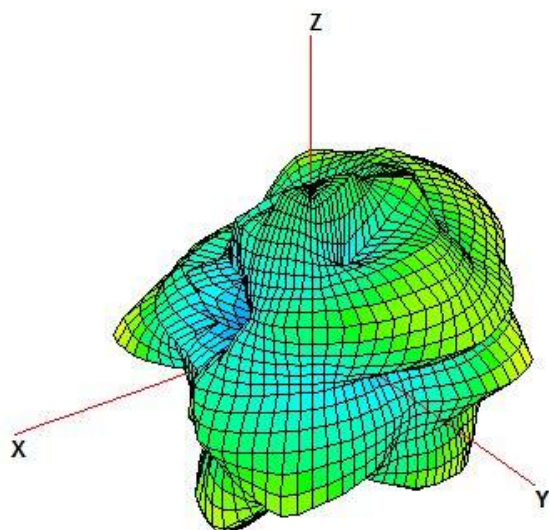


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

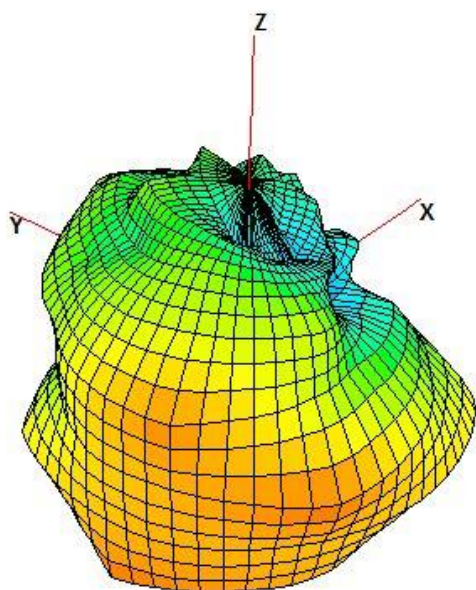


Ant 3(MB+HB+UHB)_3500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

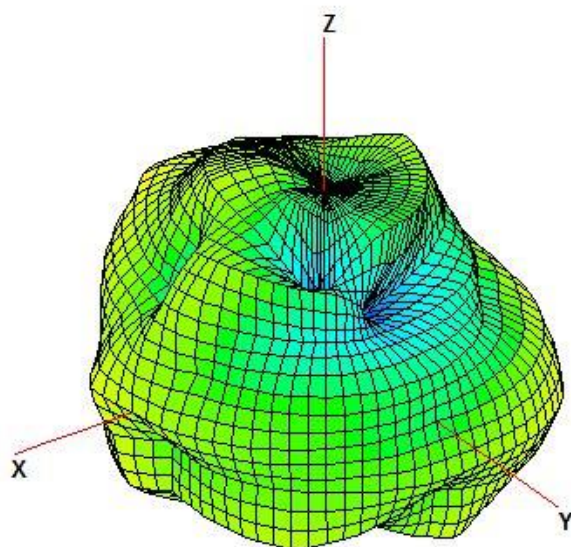


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

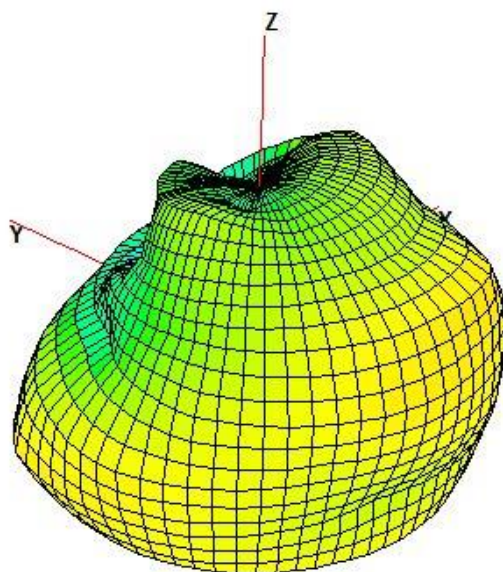


Ant 3(MB+HB+UHB)_4200MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

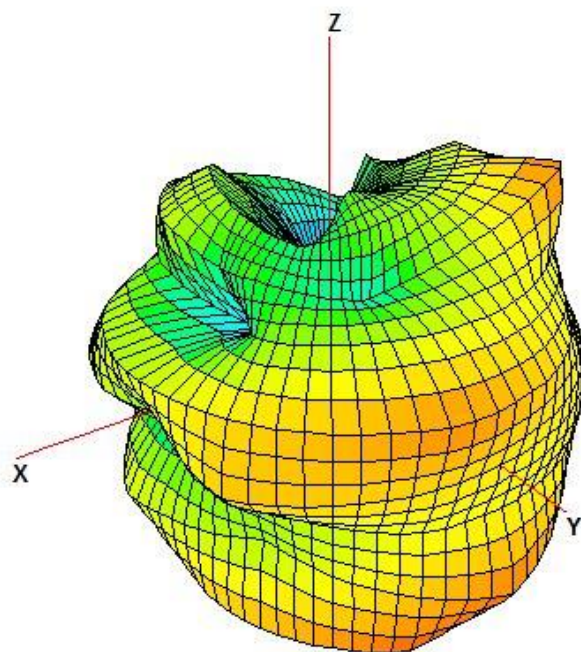


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

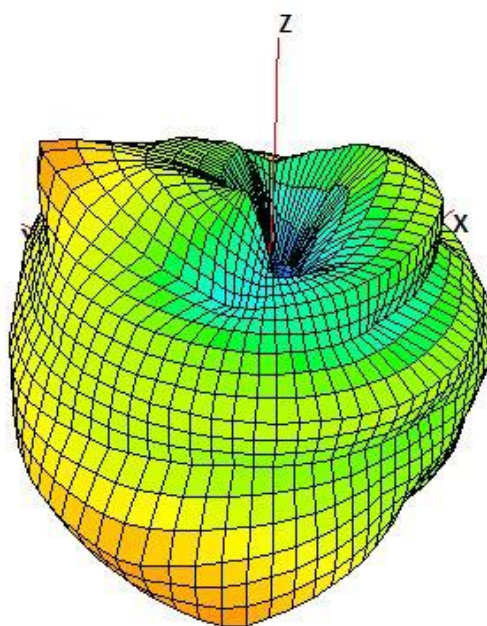


Ant 4(MB+HB+UHB)_1900MHz

Azimuth = 125.0
Elevation = -45.0
Roll = 45.0

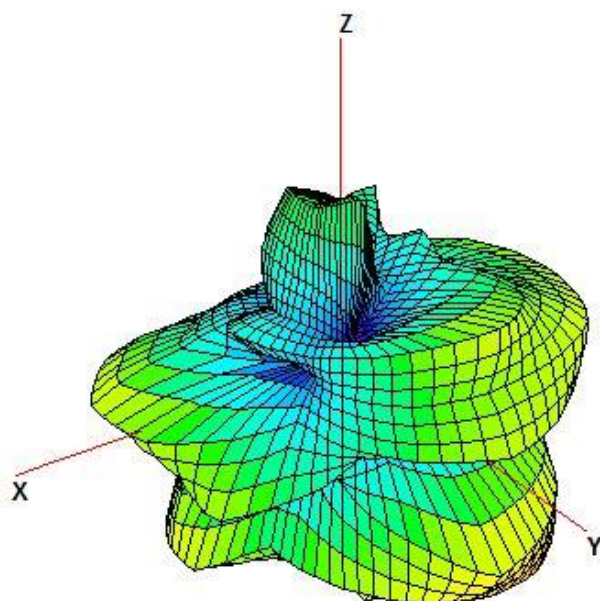


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

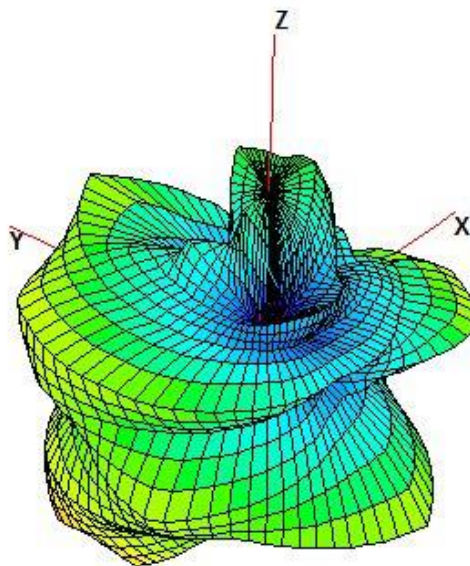


Ant 4(MB+HB+UHB)_2300MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

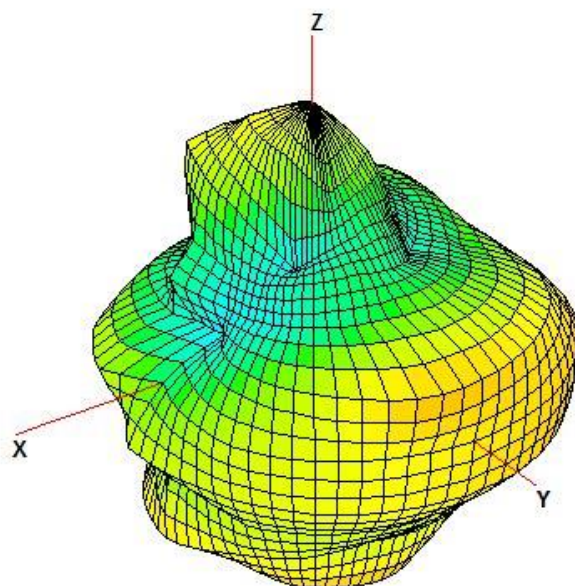


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

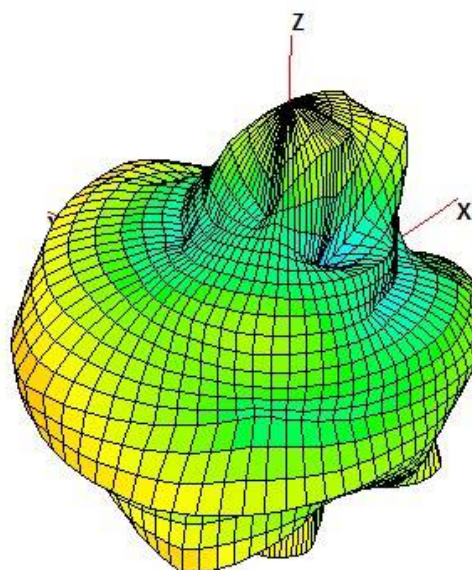


Ant 4(MB+HB+UHB)_2600MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

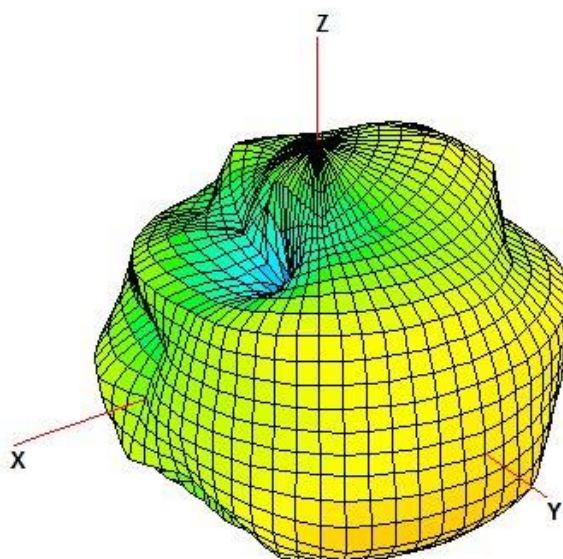


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

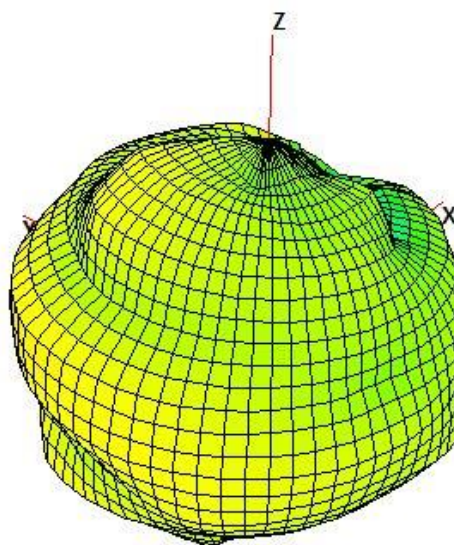


Ant 4(MB+HB+UHB)_4200MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

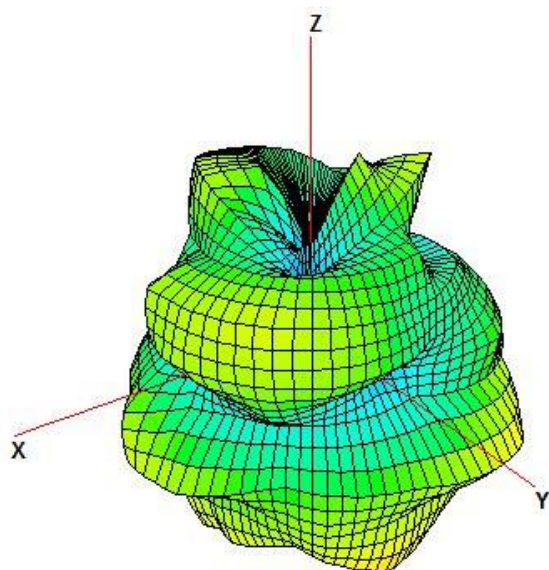


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

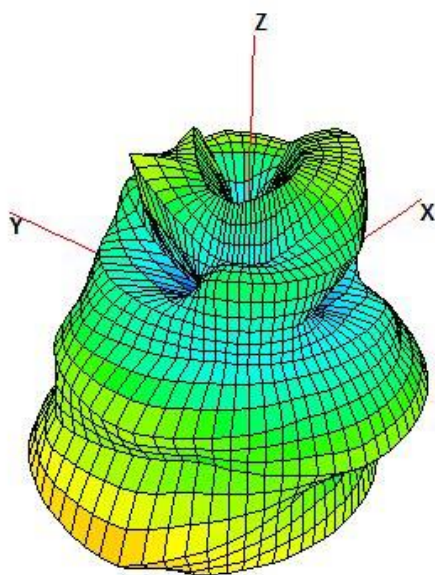


Ant 5(UHB)_3500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

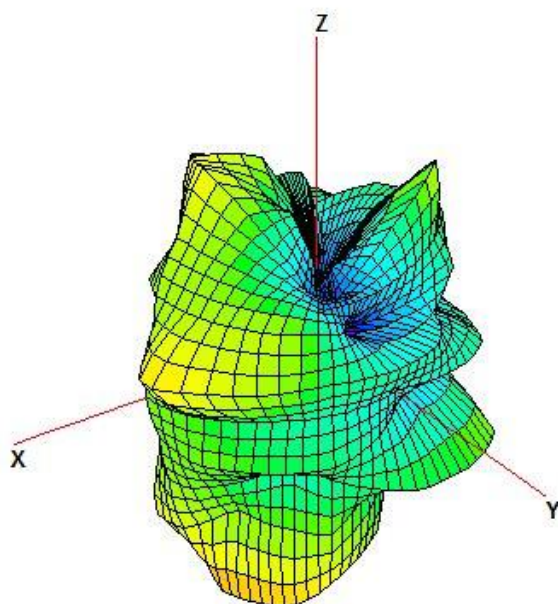


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

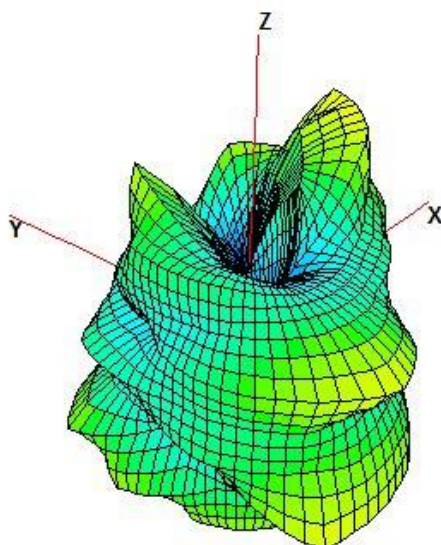


Ant 5(UHB)_4200MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

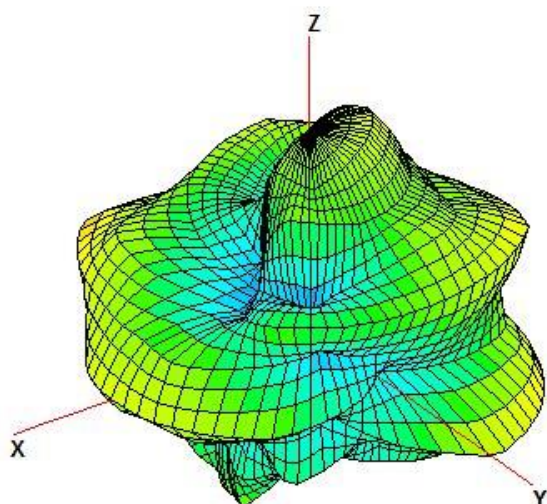


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

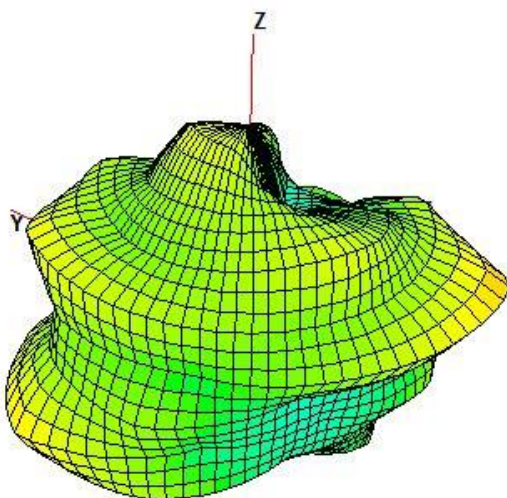


Ant 6(UHB)_3500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

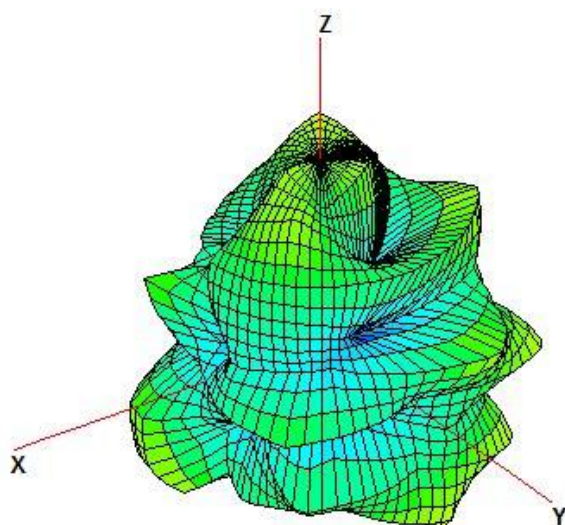


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

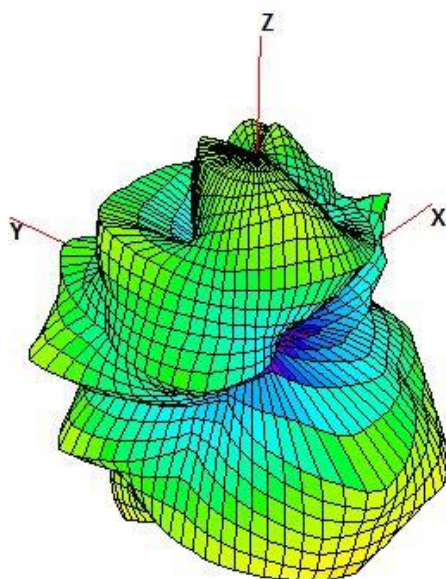


Ant 6(UHB)_4200MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

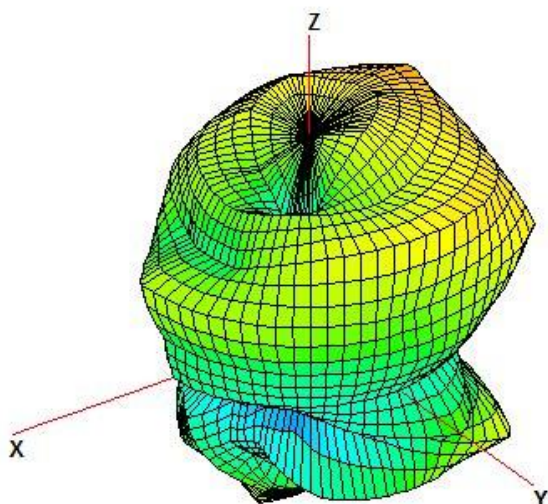


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

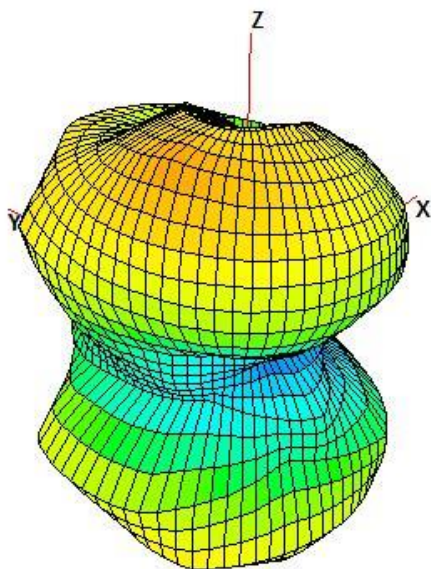


Ant 7(GPS L1+WIFI)_1575MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

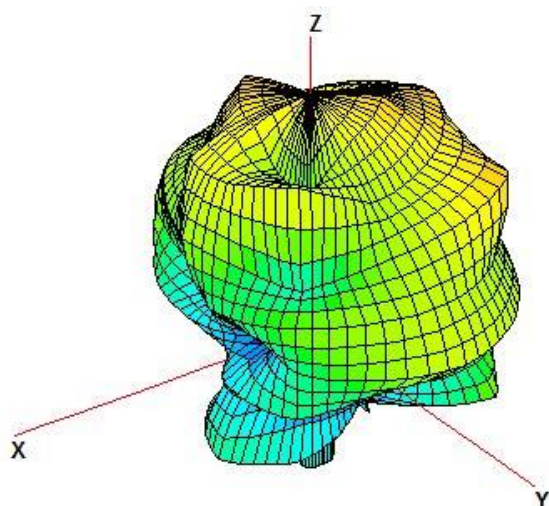


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

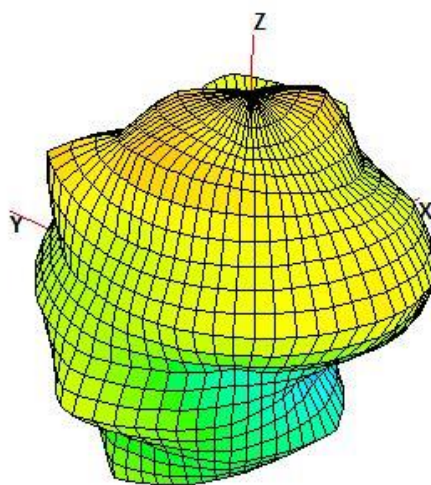


Ant 7(GPS L1+WIFI)_2450MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

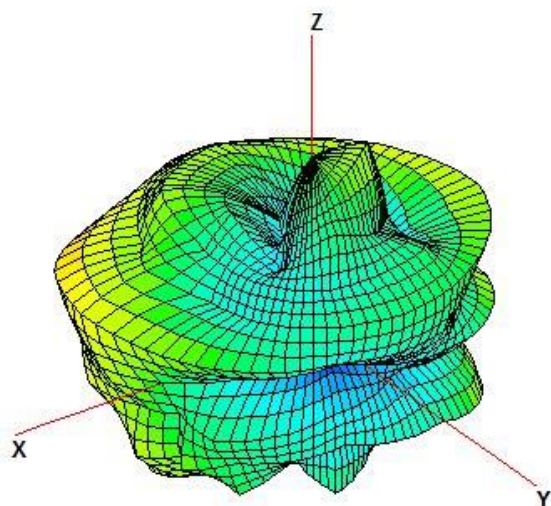


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

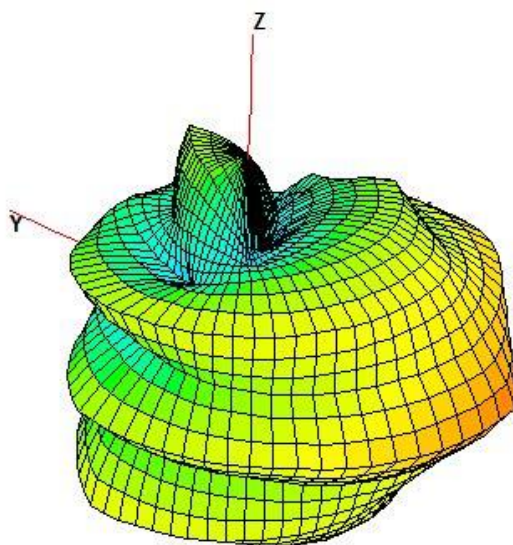


Ant 7(GPS L1+WIFI)_5500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

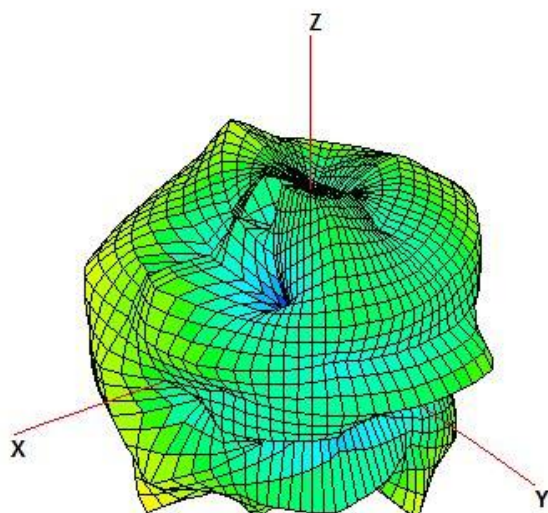


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

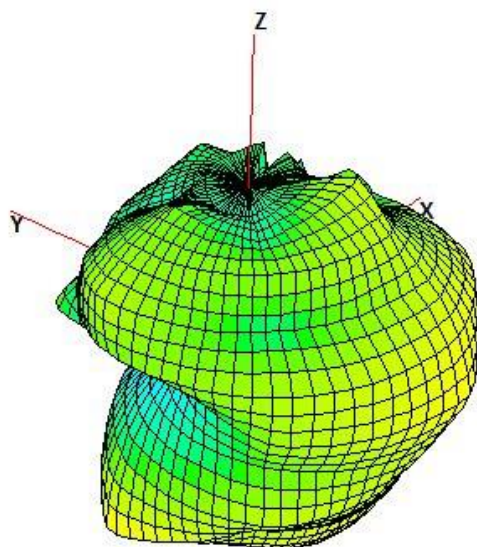


Ant 7(GPS L1+WIFI)_6500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

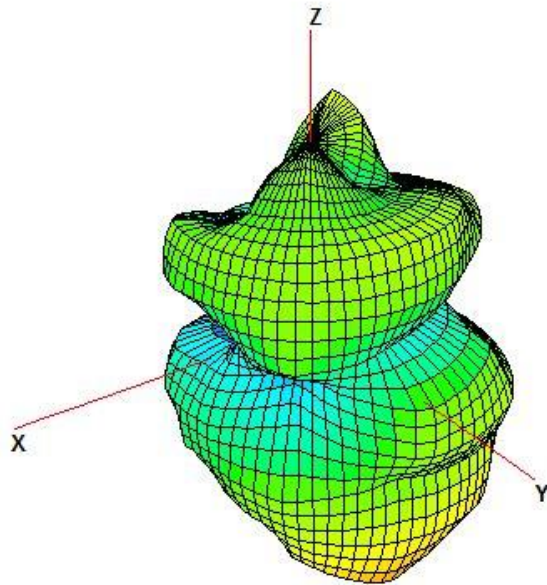


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

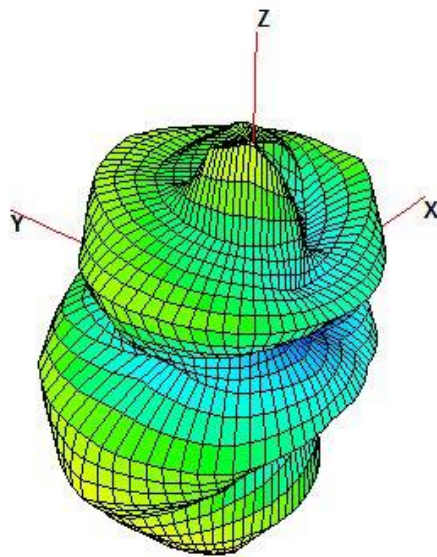


Ant 8(GPS L5+WIFI)_1176MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

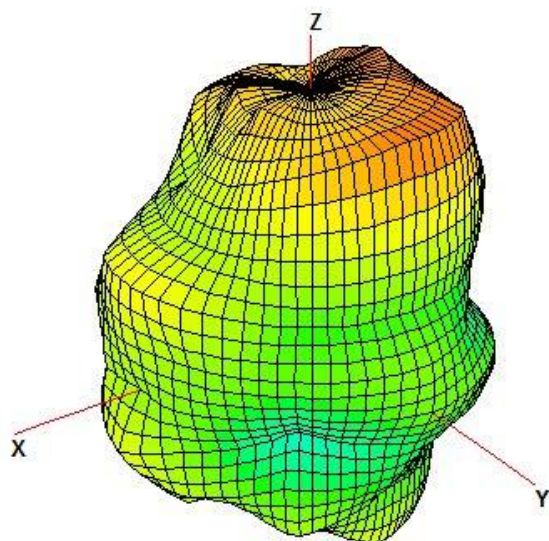


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

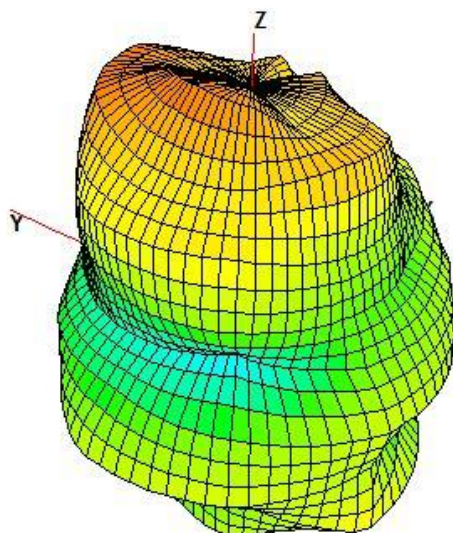


Ant 8(GPS L5+WIFI)_2450MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

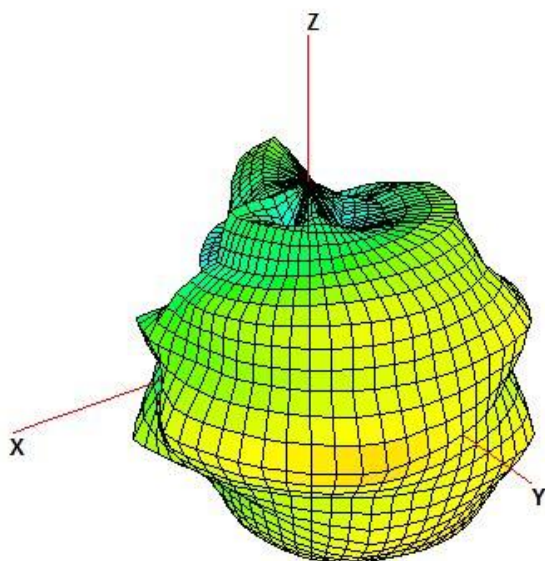


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

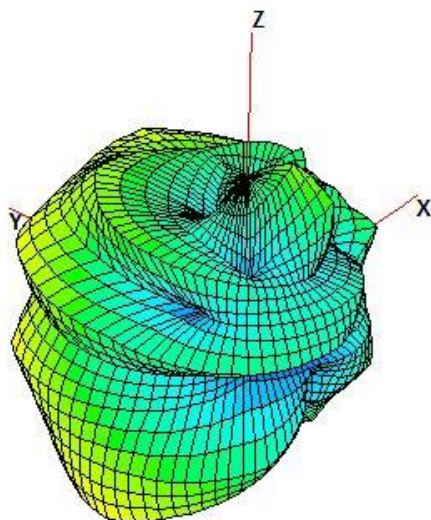


Ant 8(GPS L5+WIFI)_5500MHz

Azimuth = 125.0
Elevation = -45.0
Roll = -45.0

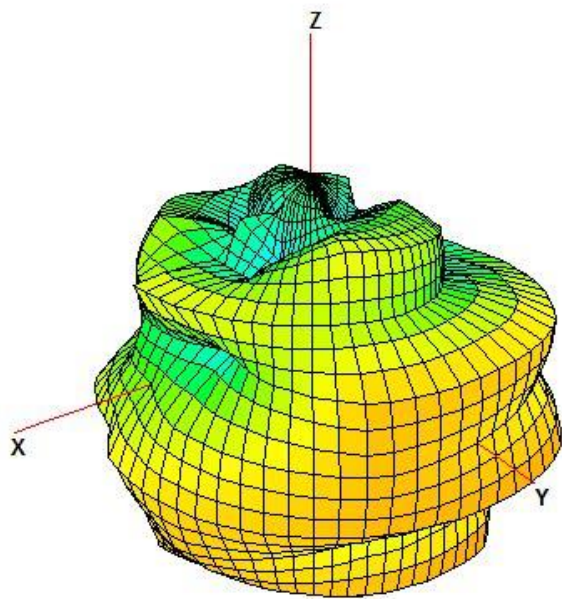


Azimuth = -65.0
Elevation = 30.0
Roll = 50.0

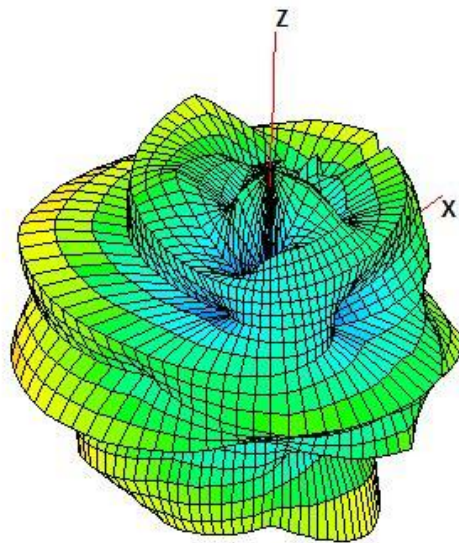


Ant 8(GPS L5+WIFI)_6500MHz

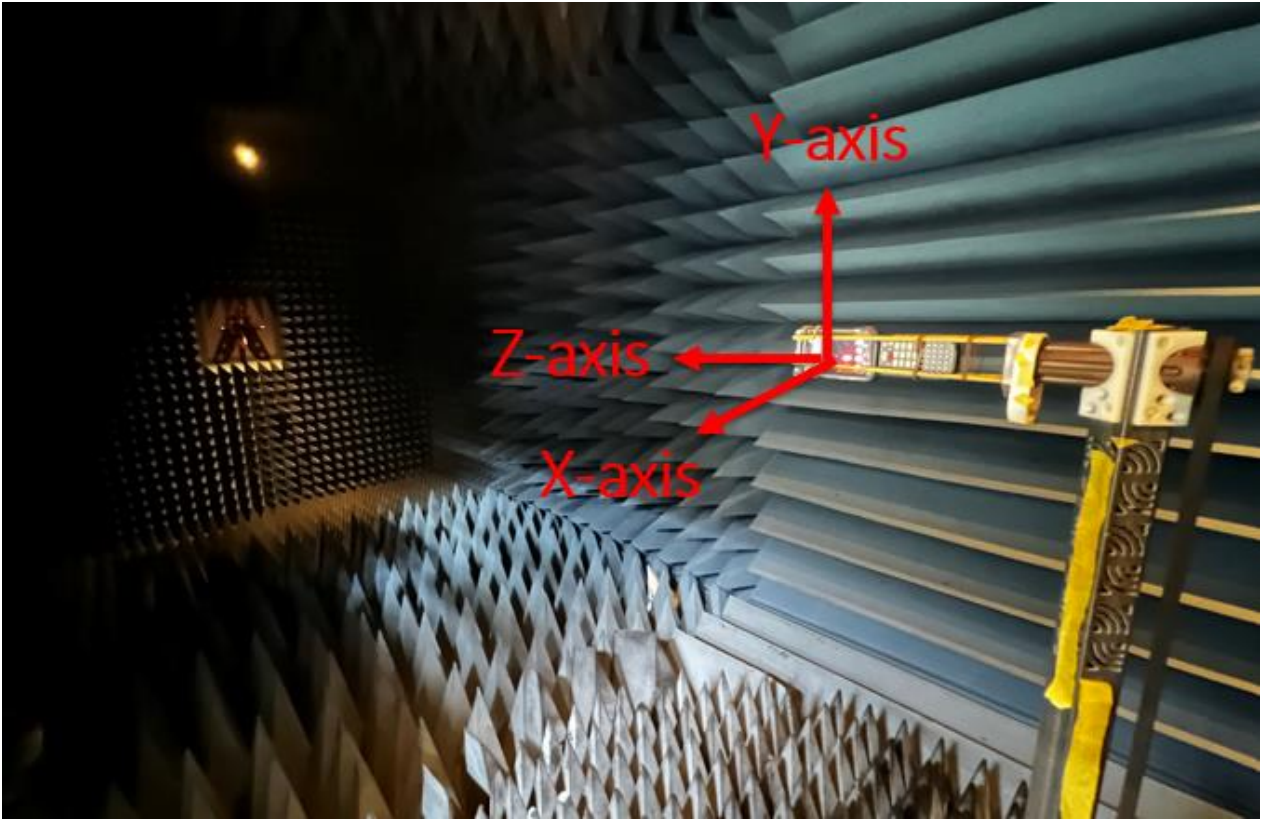
Azimuth = 125.0
Elevation = -45.0
Roll = -45.0



Azimuth = -65.0
Elevation = 30.0
Roll = 50.0



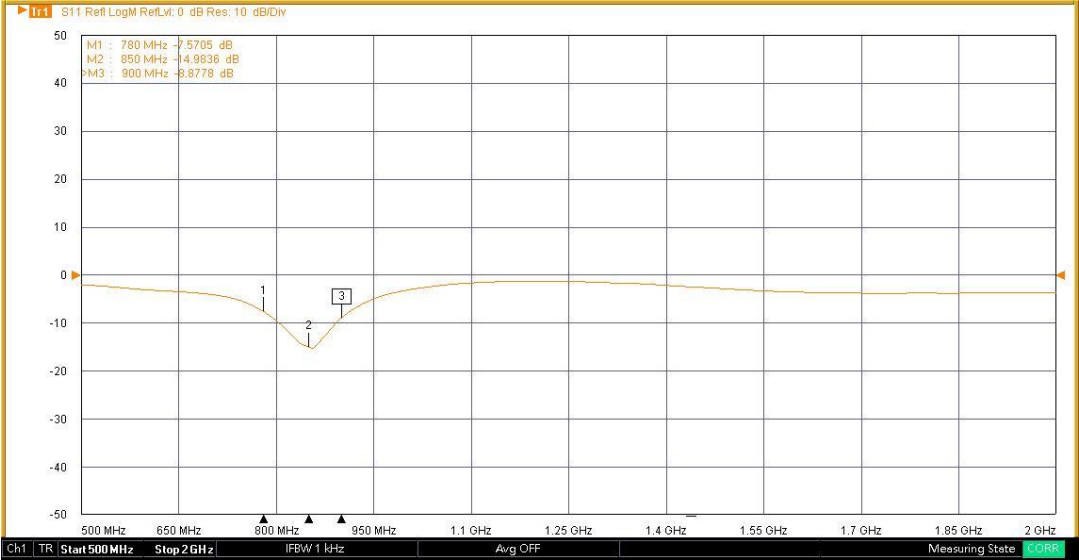
Test Environment & Equptment



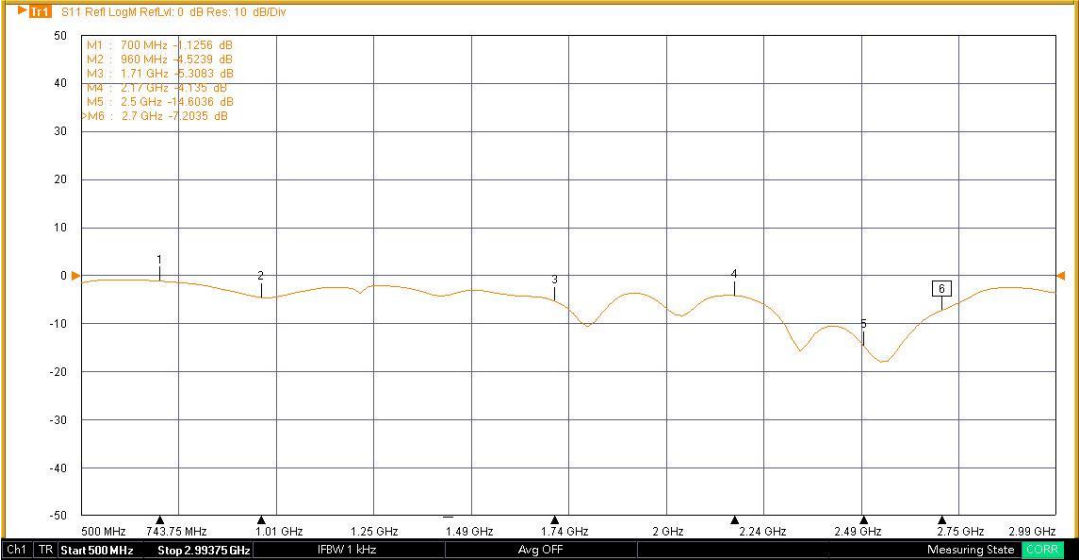
Test & System Description

Equipment Description	Manufacturer	Identification no.	Current calibration date	Next calibration date
Network analyzer	Agilent	E5071C	2023/6/13	2024/6/13
Measurement software	ETS-Lindgren	<u>EMQuest</u>	2023/10/15	2024/10/15
<u>EMCenter</u>	ETS-Lindgren	7000-001	2023/10/15	2024/10/15
Multi-device controller	ETS-Lindgren	Model 2090	2023/10/15	2024/10/15
Horn antenna	ETS-Lindgren	3164-08	2023/10/15	2024/10/15

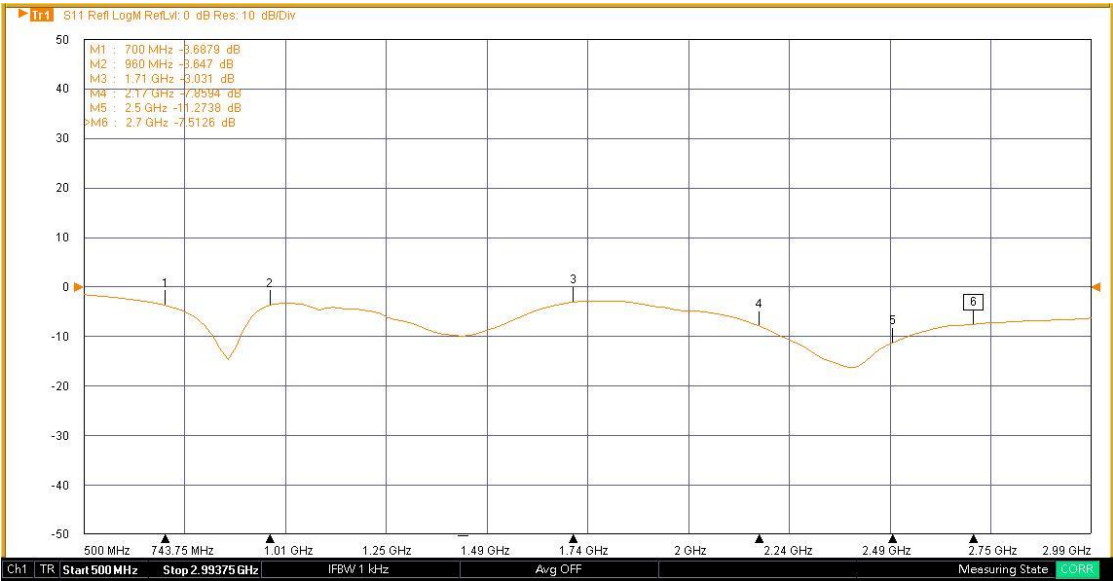
ANT0



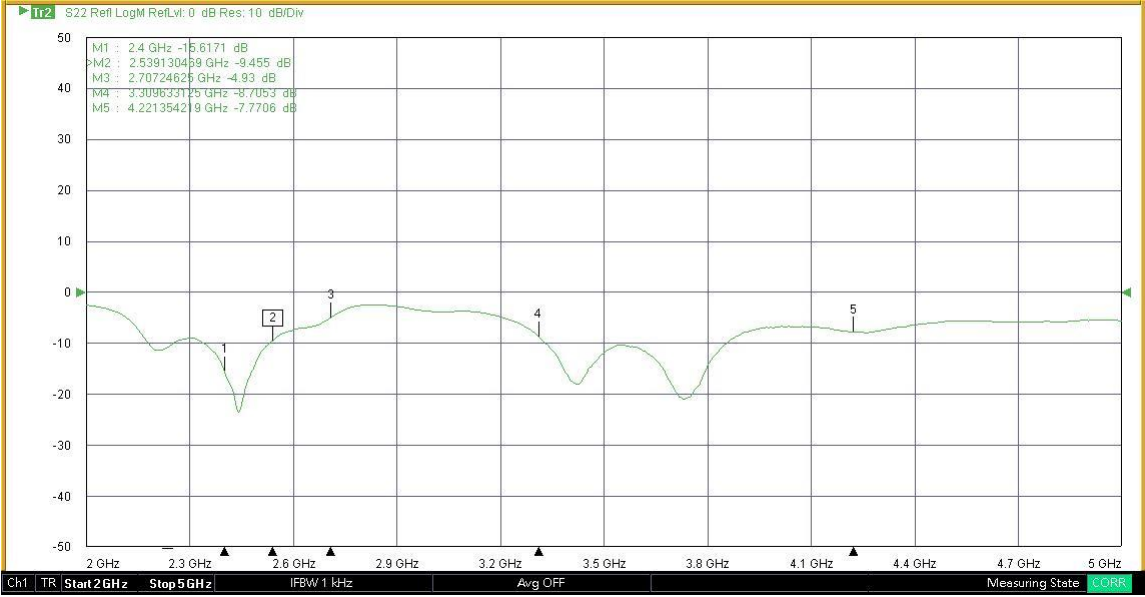
ANT1



ANT2



ANT3



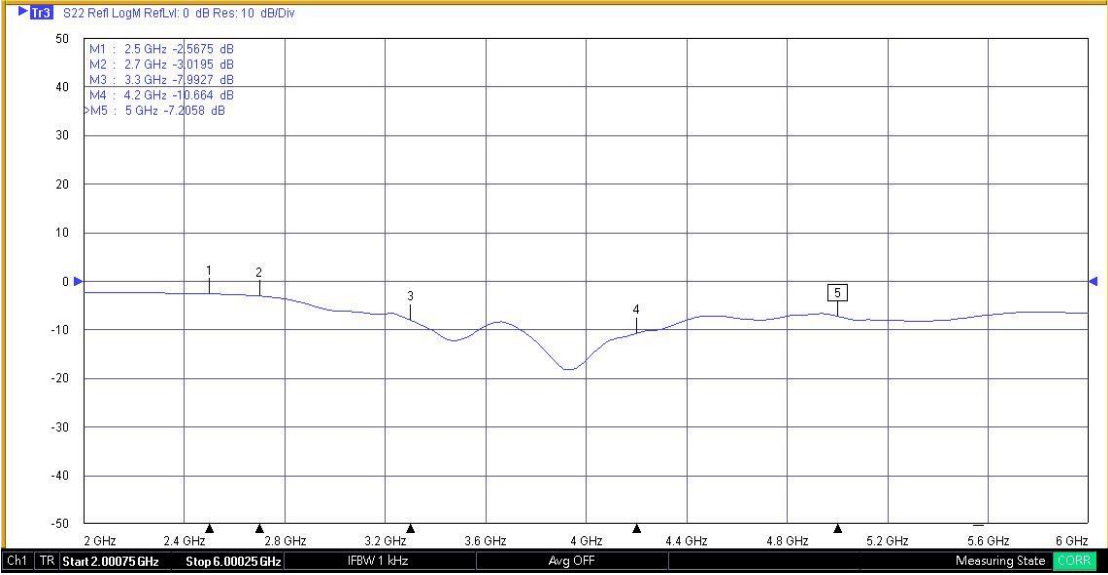
ANT4



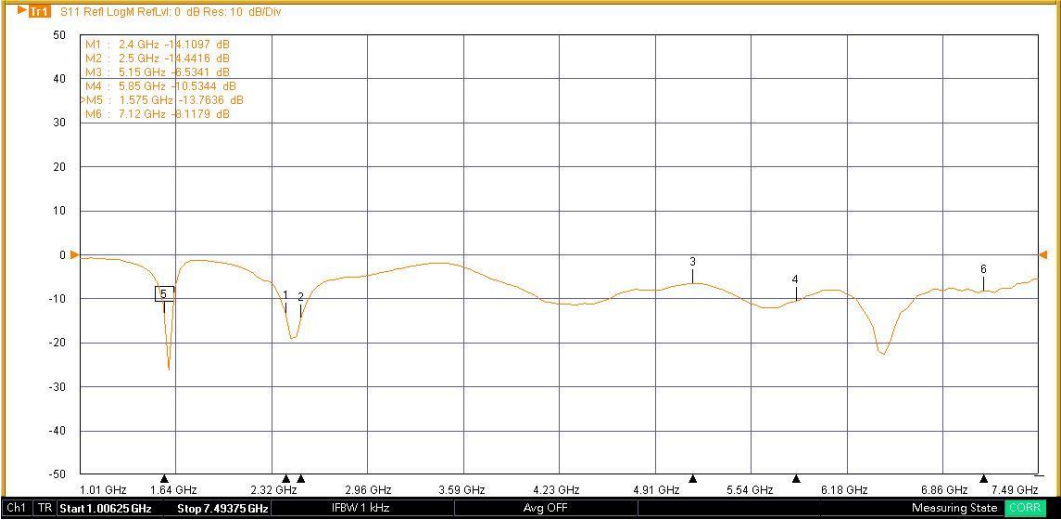
ANT5



ANT6



ANT7



ANT8

