A Test Lab Techno Corp.

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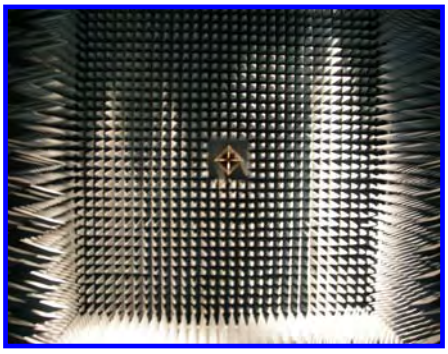
3D Gain Measurement Report

Test Report No.	:	17-D1423-C-171127
Applicant	:	LaBest Technology Inc.
Product Type	:	2.4GHz Antenna
Trade Name	:	LaBest
Model Number	:	LB-BLE-005 (A8105 BQB BLE Module)
Dates of Received	:	Nov. 10, 2017
Dates of Test	:	Nov. 27, 2017
Dates of Issue	:	Nov. 29, 2017
Location of Test Lab.	:	Chang-an Lab.



1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
3. The measurement report has to be written approval of A Test Lab Techno Corp. It may only be reproduced or published in full. This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp.
4. This document may be altered or revised by A Test Lab Techno. Corp. personnel only, and shall be noted in the revision section of the document.

Tested By : (Larry Huang)

Content

1. General Information

1.1 Description of device under test (EUT)

Applicant	LaBest Technology Inc. Rm. 815, No.101, Sec. 2, Guangfu Rd., East Dist., Hsinchu City 300, Taiwan (R.O.C.)
Manufacturer	LaBest Technology Inc. Rm. 815, No.101, Sec. 2, Guangfu Rd., East Dist., Hsinchu City 300, Taiwan (R.O.C.)
Product Type	2.4GHz Antenna
Trade Name	LaBest
Model Number	LB-BLE-005 (A8105 BQB BLE Module)
Type	PCB Antenna
Peak Gain (Combined Polarization)	2.23 dBi
Polarization	Horizontal + Vertical

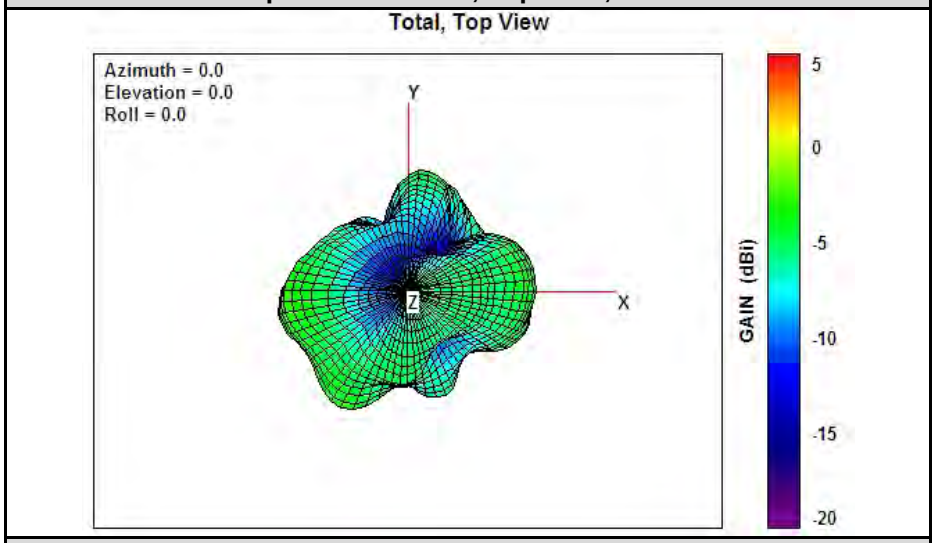
2. Test Results

Frequency [MHz]	Average Gain(Note1) [dBi]	Peak Gain [dBi]	Efficiency [%]
2400	-5.11	**2.23**	30.87
2450	-4.74	2.06	33.55
2500	-5.95	0.98	25.43

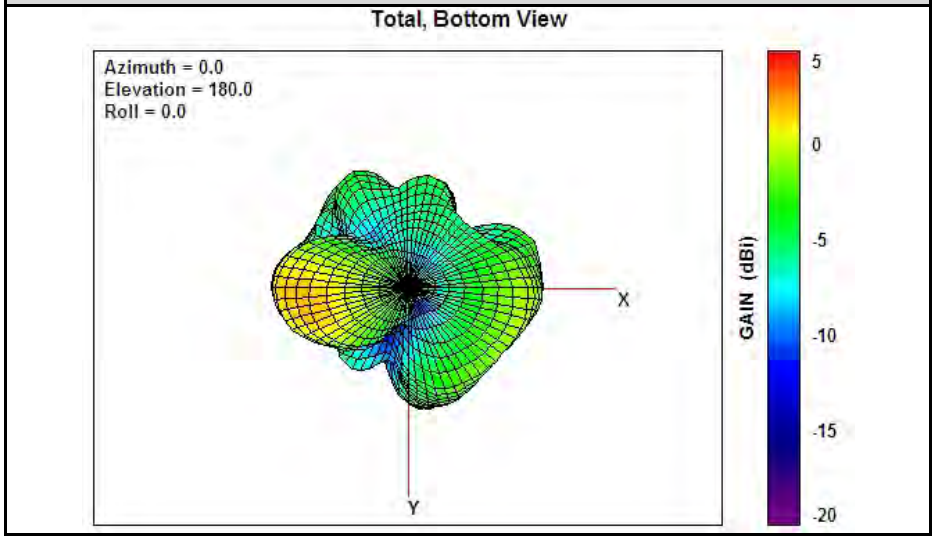
Note: 1. Gain = horizontal polarization gain + vertical polarization gain.

3. Antenna 3D Patterns Plots

Free-Space Total GAIN, Top View, 2400.0 MHz

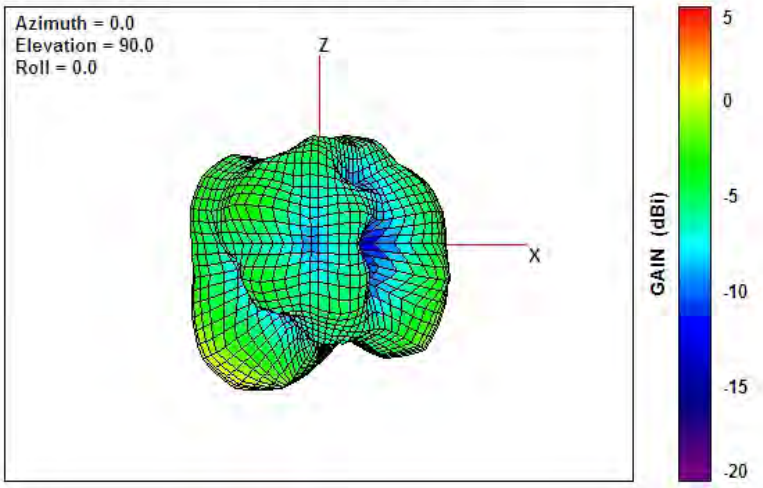


Free-Space Total GAIN, Bottom View, 2400.0 MHz



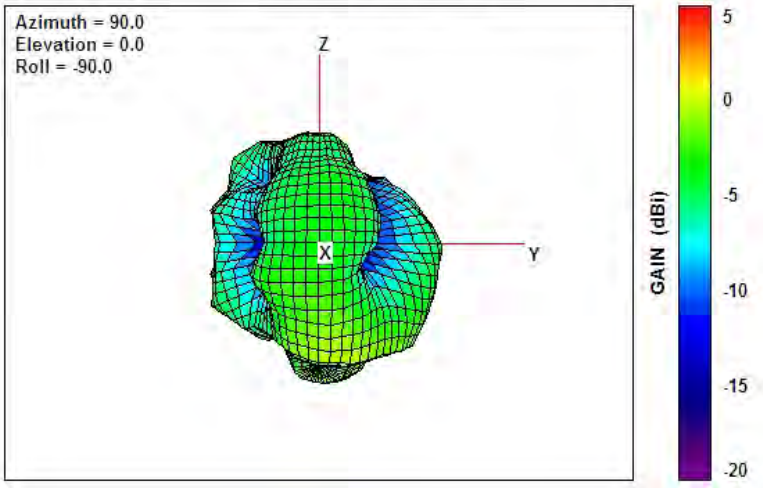
Free-Space Total GAIN, Back Face View, 2400.0 MHz

Total, Back Face View

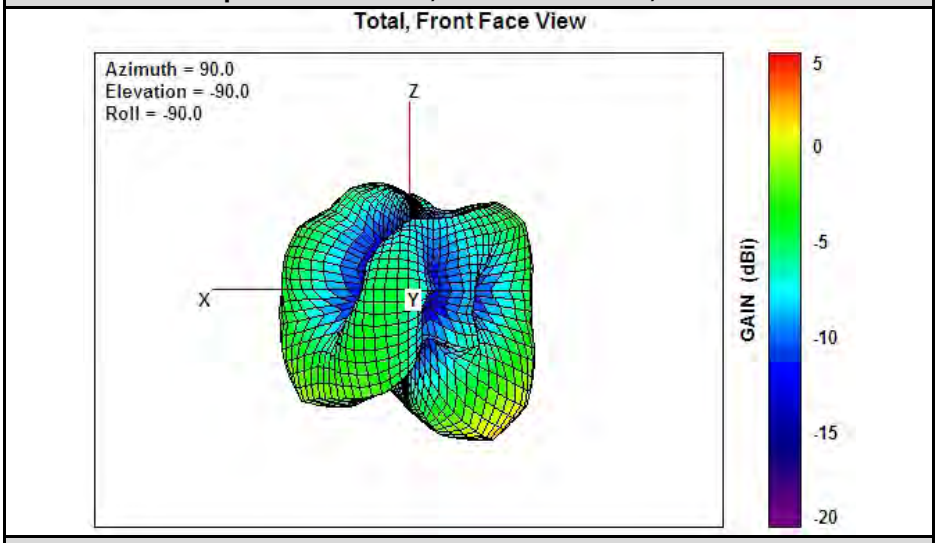


Free-Space Total GAIN, Left Side View, 2400.0 MHz

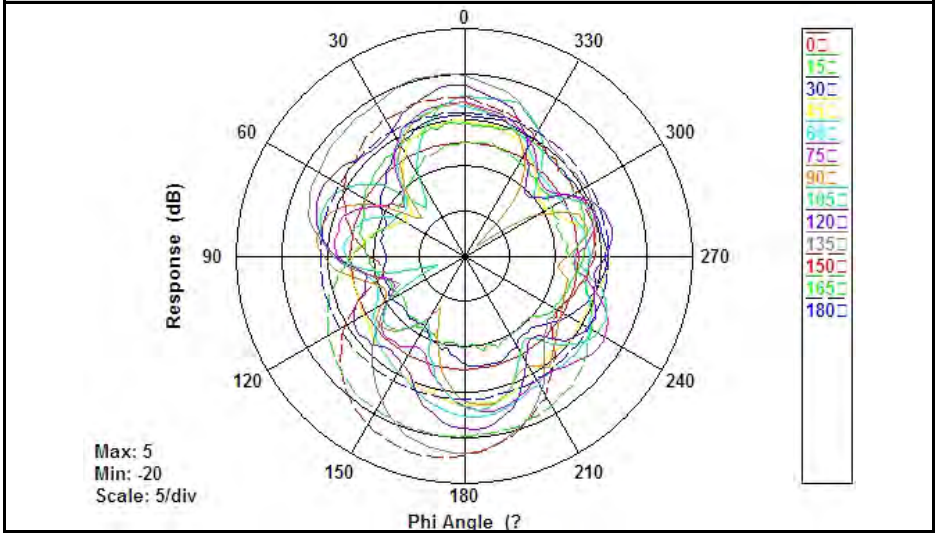
Total, Left Side View



Free-Space Total GAIN, Front Face View, 2400.0 MHz

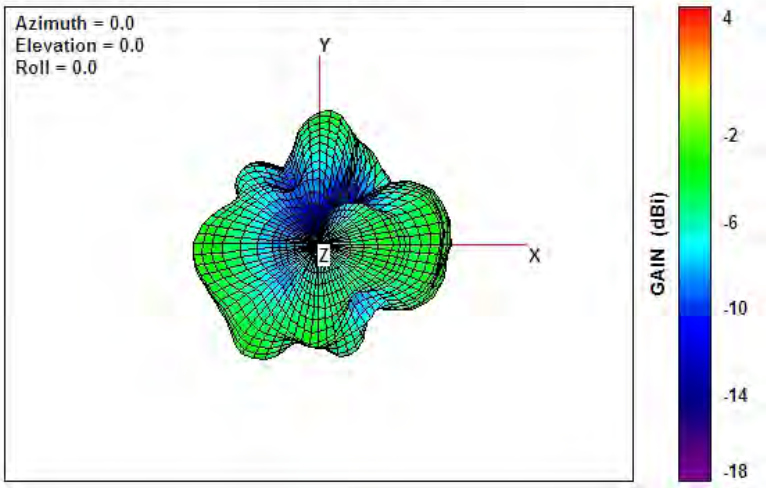


Free-Space Total GAIN, Right Side View, 2400.0 MHz



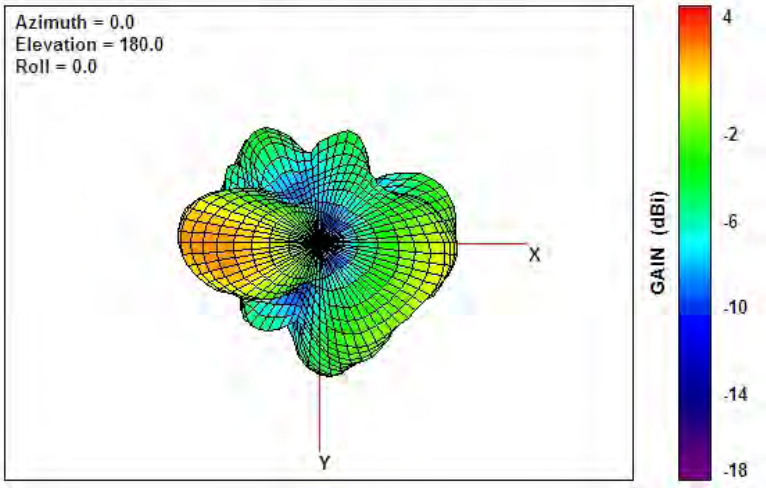
Free-Space Total GAIN, Top View, 2450.0 MHz

Total, Top View



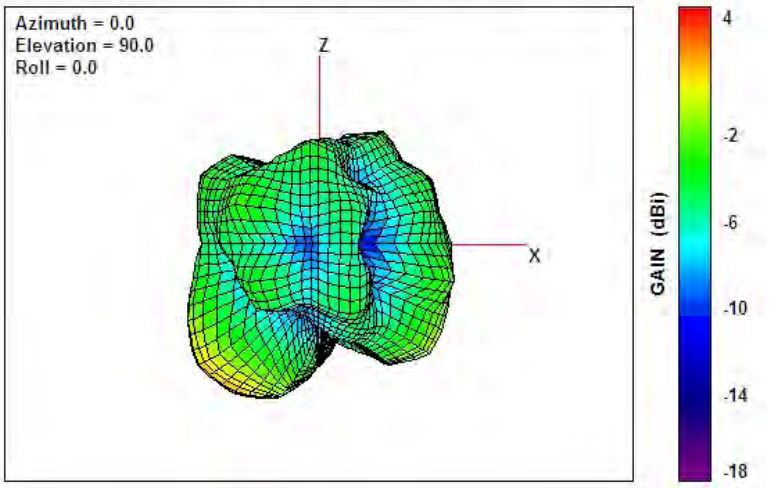
Free-Space Total GAIN, Bottom View, 2450.0 MHz

Total, Bottom View



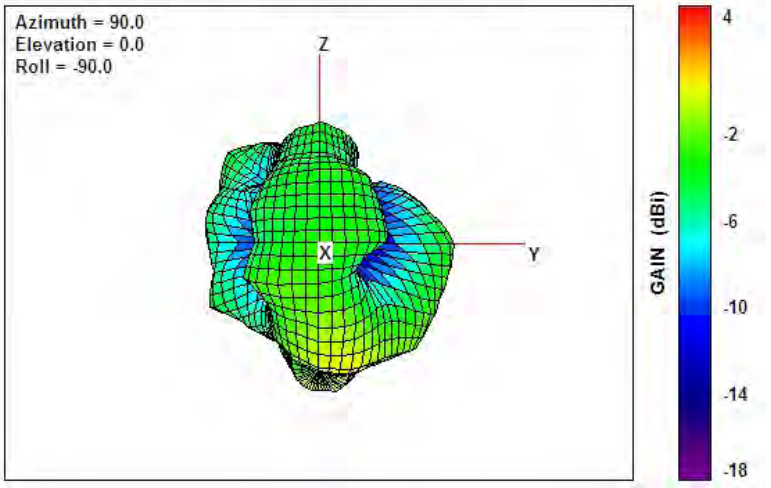
Free-Space Total GAIN, Back Face View, 2450.0 MHz

Total, Back Face View

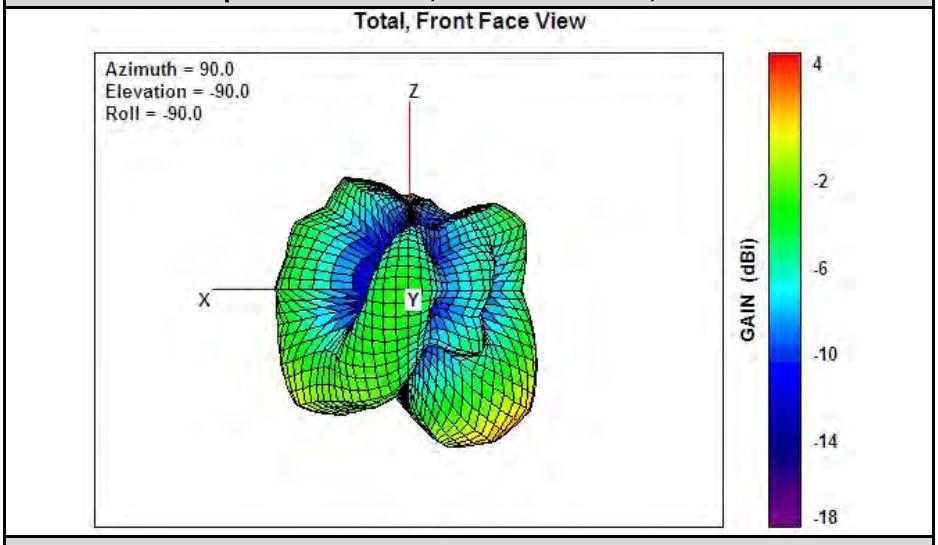


Free-Space Total GAIN, Left Side View, 2450.0 MHz

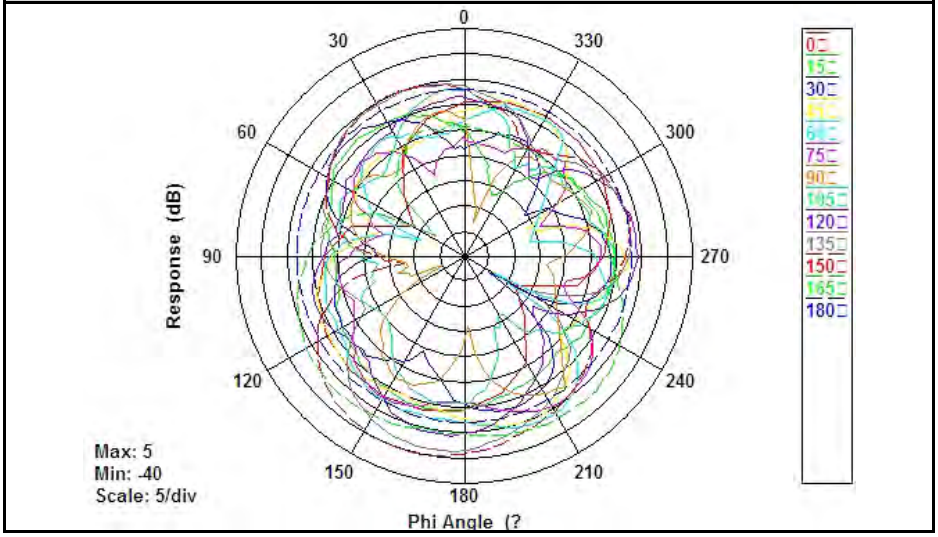
Total, Left Side View



Free-Space Total GAIN, Front Face View, 2450.0 MHz

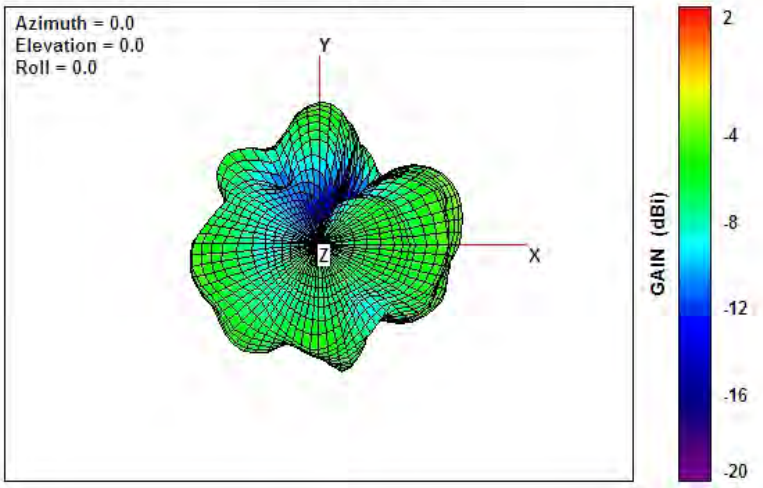


Free-Space Total GAIN, Right Side View, 2450.0 MHz



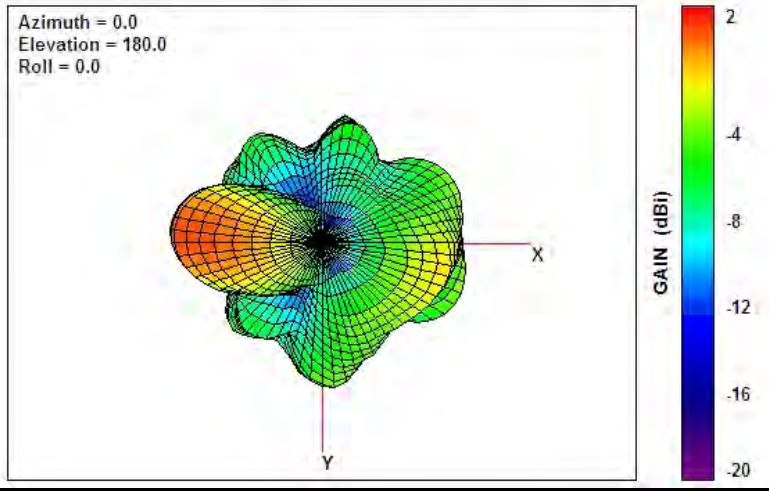
Free-Space Total GAIN, Top View, 2400.0 MHz

Total, Top View



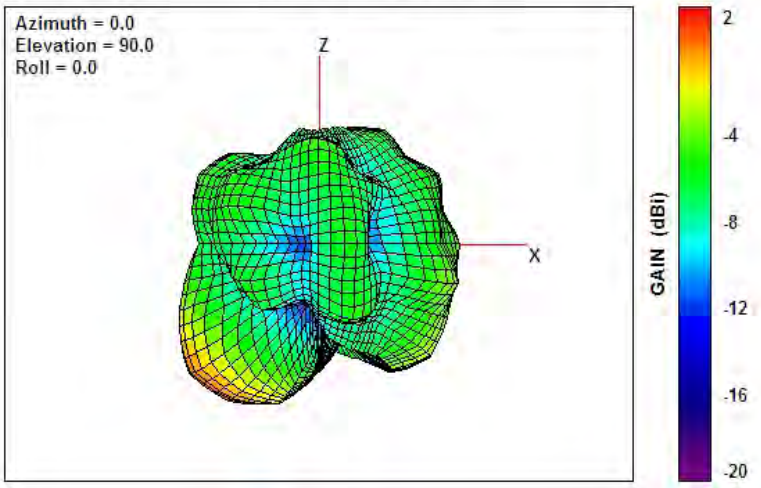
Free-Space Total GAIN, Bottom View, 2400.0 MHz

Total, Bottom View



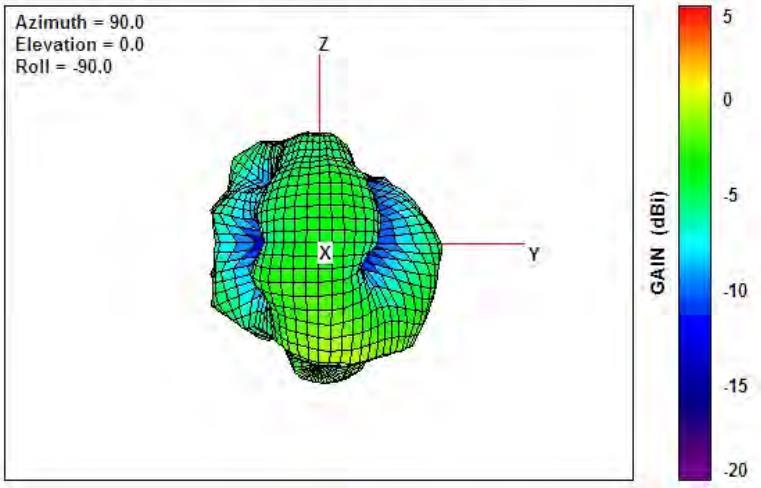
Free-Space Total GAIN, Back Face View, 2400.0 MHz

Total, Back Face View

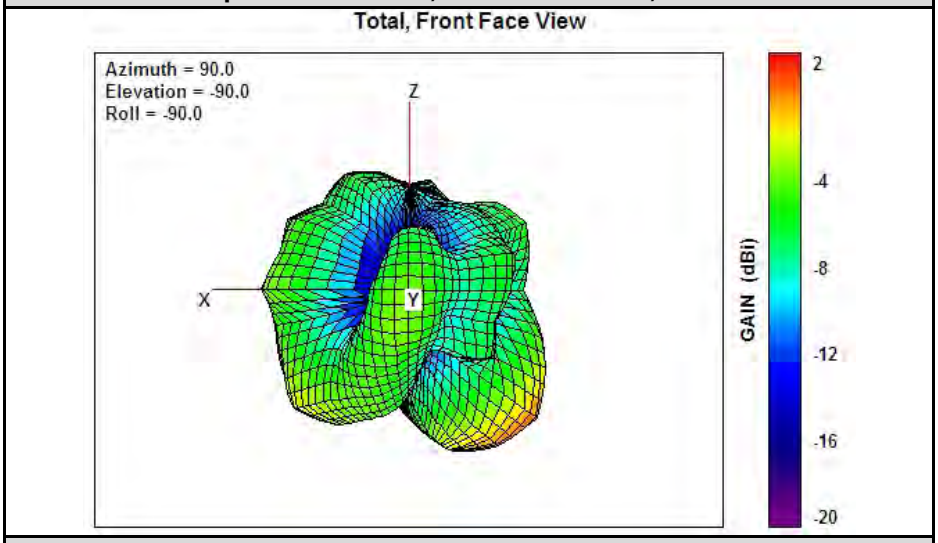


Free-Space Total GAIN, Left Side View, 2400.0 MHz

Total, Left Side View



Free-Space Total GAIN, Front Face View, 2400.0 MHz



Free-Space Total GAIN, Right Side View, 2400.0 MHz