



OTA TEST REPORT

Client Information:

Applicant.....: HAMATON AUTOMOTIVE TECHNOLOGY CO.,LTD

Address add.....: No.122,Changda Road, Linping, Yuhang, Hangzhou, China

Product Name.....: Vehicle Communication Interface

Model Name.....: RXT003

Date of Test..... 28 Feb. 2024

Date of Issue..... 28 Feb. 2024

Report Prepared by :

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(zhaoqiyao)

Report Approved by :

Leo Li

(leo Li)



"Shanghai ATBL Technology Co., Ltd." hereby certifies that the test results described in the company's standard test site test report and the structure of the test equipment are recorded in detail based on the actual test situation. The test results of this report are only applicable to the above-mentioned tested prototypes and the equipment described in the report. This report is not allowed to be copied without the written consent of Shanghai ATBL Technology Co.,

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	1 Mar. 2024	SHATBL2402028	ALL	Initial Issue



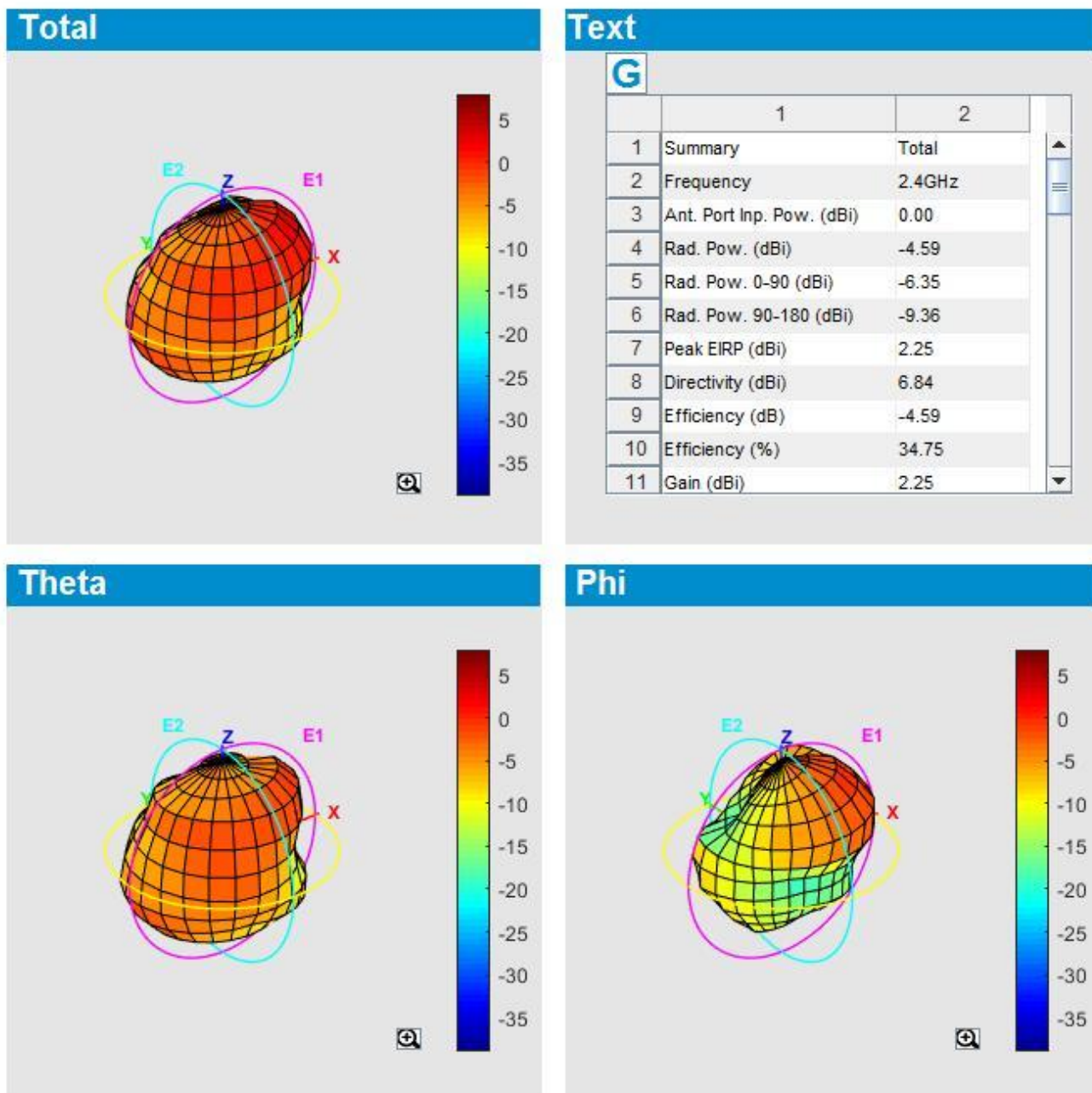
1. Results Summary (3D Radiation Pattern/Efficiency)

Overview

Test / Position	Free Space										
Communication System	Gain										
frequently	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Avg Gain	-4.6	-4.6	-4.3	-4.1	-4.1	-4.0	-4.0	-4.2	-4.1	-4.2	-4.4
Peak Gain	2.3	2.1	1.8	1.3	0.8	0.7	1.2	1.4	1.9	1.8	1.3
Directivity	6.8	6.6	6.0	5.4	4.8	4.7	5.2	5.6	6.0	6.0	5.7
Efficiency	-4.6	-4.6	-4.3	-4.1	-4.1	-4.0	-4.0	-4.2	-4.1	-4.2	-4.4
Efficiency (%)	34.8	34.9	37.5	38.6	39.4	40.2	39.7	37.8	38.7	38.1	36.6
Gain	2.3	2.1	1.8	1.3	0.8	0.7	1.2	1.4	1.9	1.8	1.3
Note											

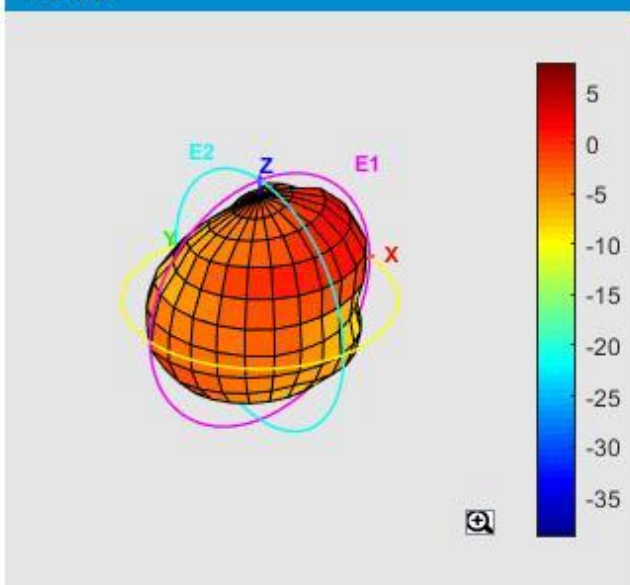
2.Radiation Pattern/Efficienc

2.40GHz



2.41GHz

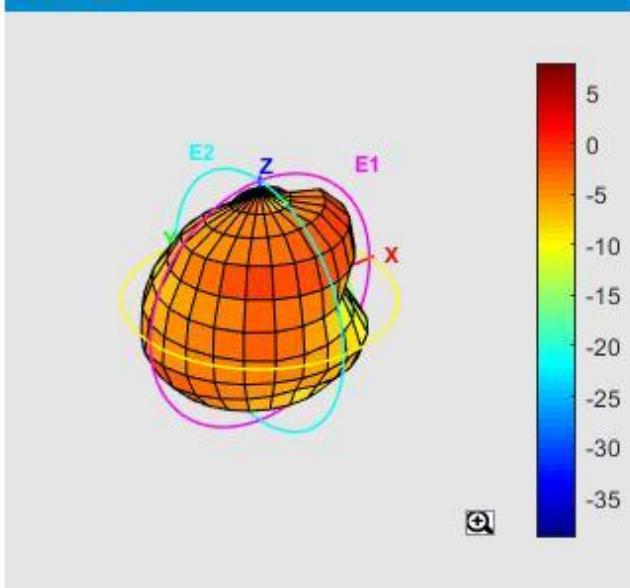
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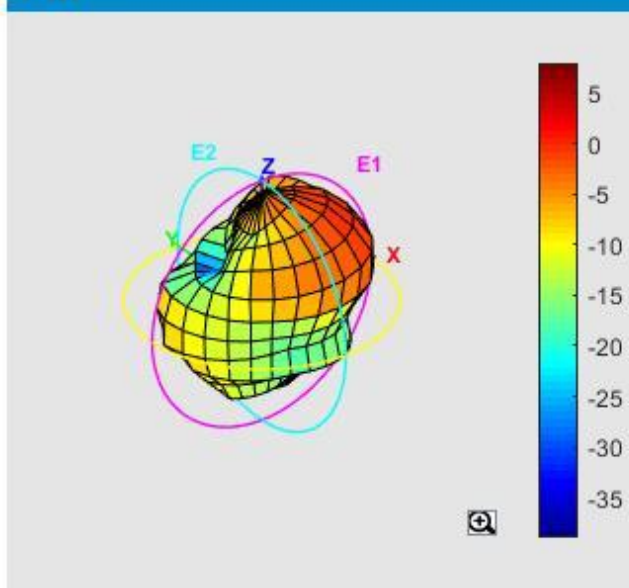
Text

G		
	1	2
1	Summary	Total
2	Frequency	2.41GHz
3	Ant. Port Inp. Pow. (dBi)	0.00
4	Rad. Pow. (dBi)	-4.57
5	Rad. Pow. 0-90 (dBi)	-6.46
6	Rad. Pow. 90-180 (dBi)	-9.09
7	Peak EIRP (dBi)	2.06
8	Directivity (dBi)	6.63
9	Efficiency (dB)	-4.57
10	Efficiency (%)	34.91
11	Gain (dBi)	2.06

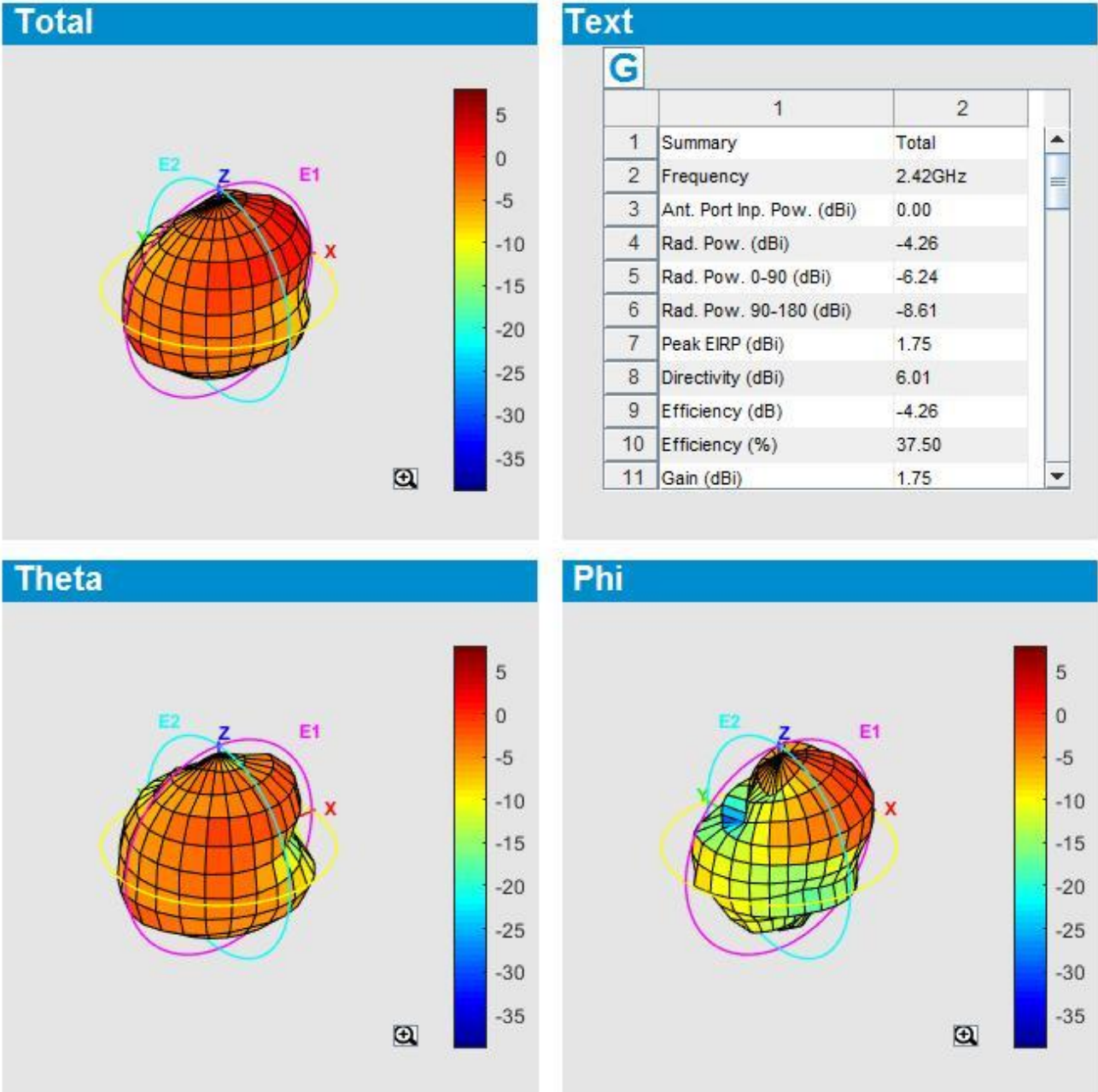
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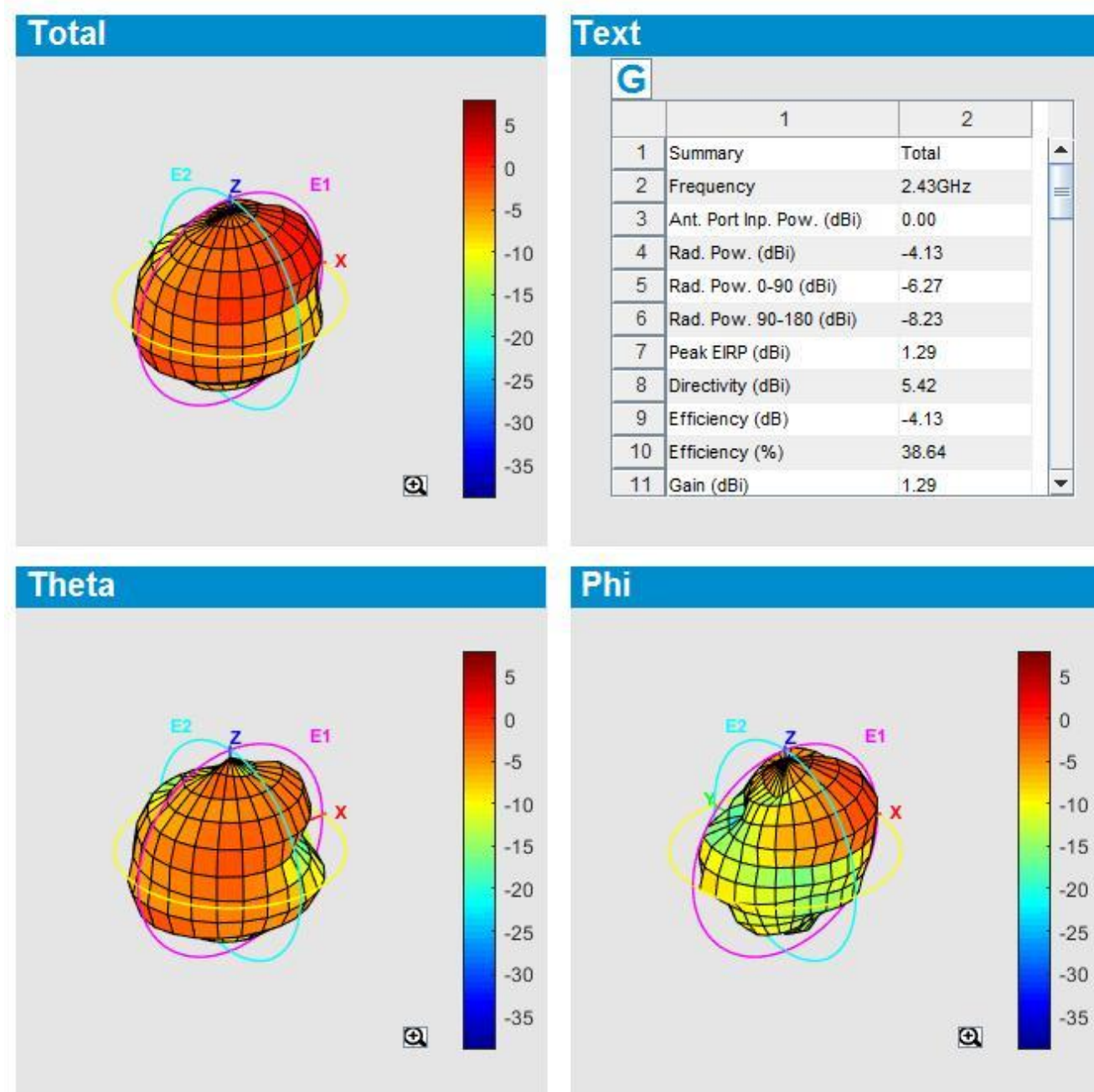
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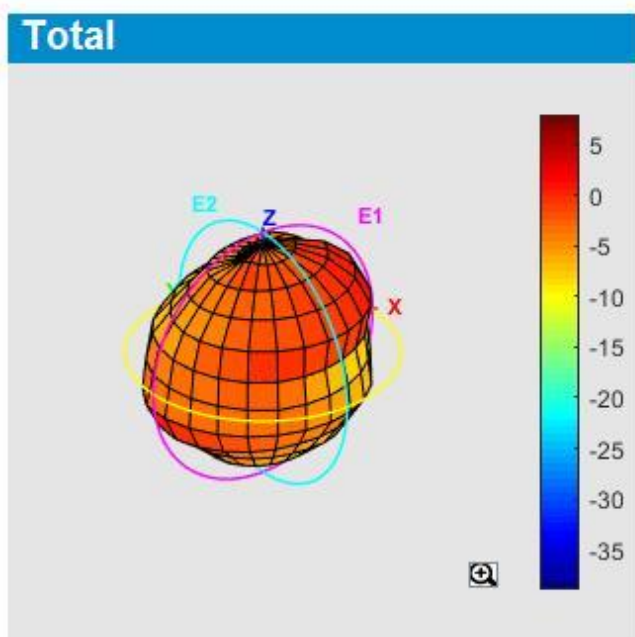
2.42GHz



2.43GHz

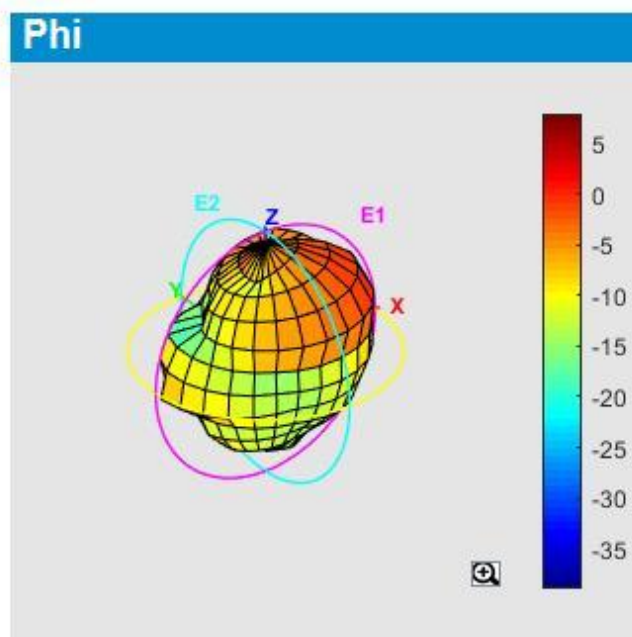
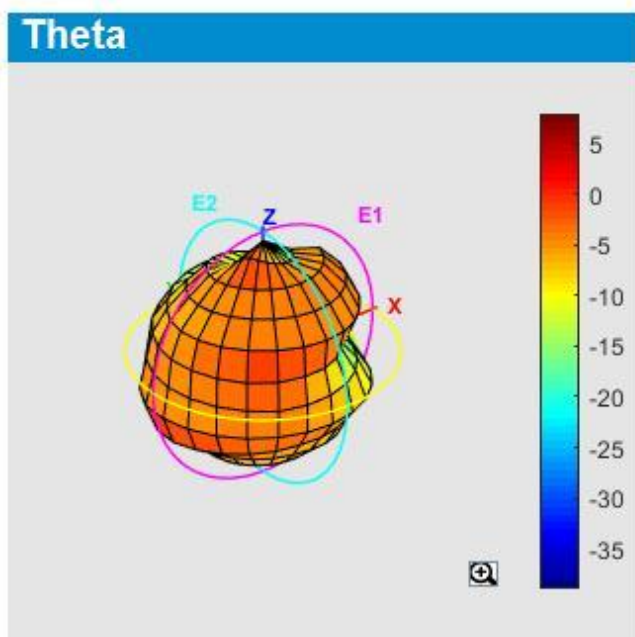


2.44GHz



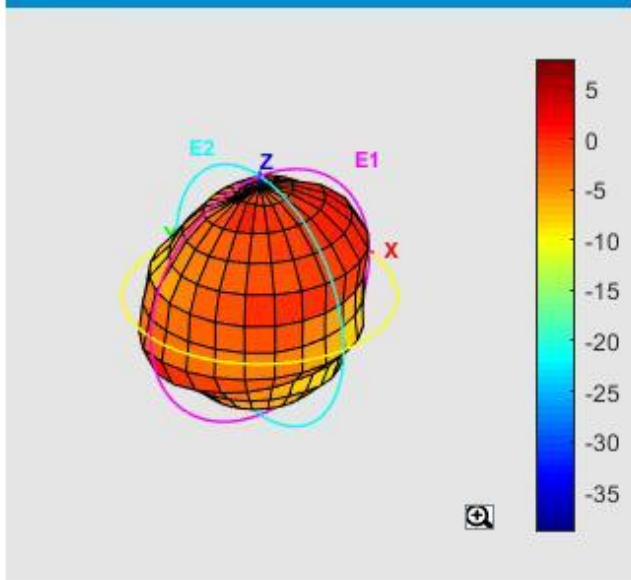
Text

	1	2
1 Summary	Total	
2 Frequency	2.44GHz	
3 Ant. Port Inp. Pow. (dBi)	0.00	
4 Rad. Pow. (dBi)	-4.05	
5 Rad. Pow. 0-90 (dBi)	-6.29	
6 Rad. Pow. 90-180 (dBi)	-7.99	
7 Peak EIRP (dBi)	0.75	
8 Directivity (dBi)	4.80	
9 Efficiency (dB)	-4.05	
10 Efficiency (%)	39.36	
11 Gain (dBi)	0.75	



2.45GHz

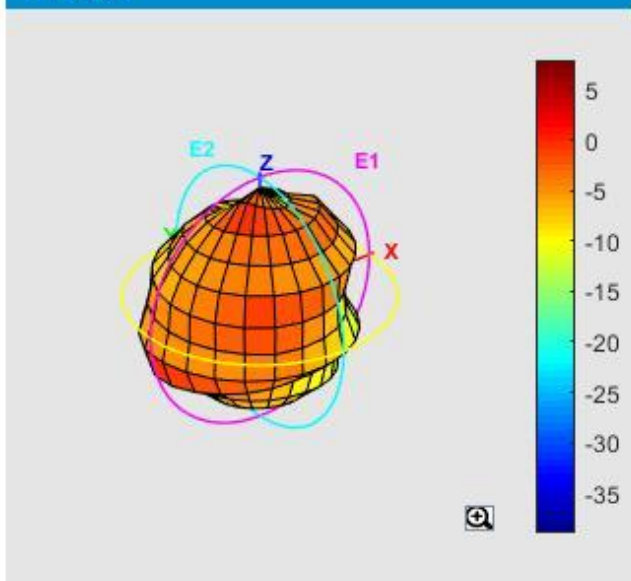
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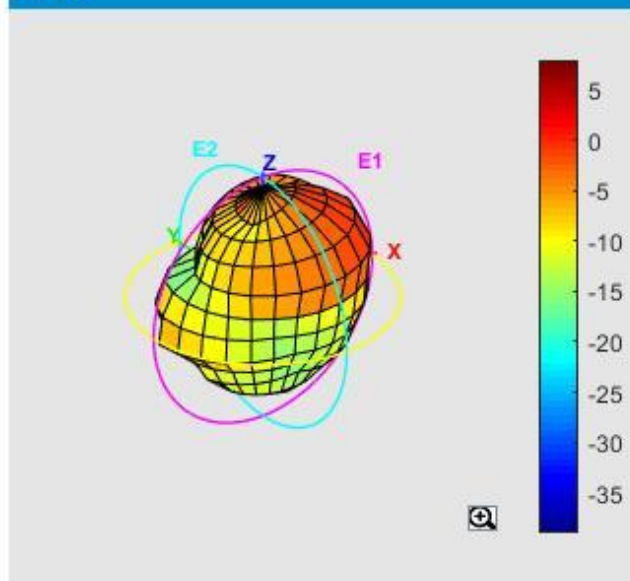
Text

G		
	1	2
1	Summary	Total
2	Frequency	2.45GHz
3	Ant. Port Inp. Pow. (dBi)	0.00
4	Rad. Pow. (dBi)	-3.96
5	Rad. Pow. 0-90 (dBi)	-6.09
6	Rad. Pow. 90-180 (dBi)	-8.07
7	Peak EIRP (dBi)	0.71
8	Directivity (dBi)	4.67
9	Efficiency (dB)	-3.96
10	Efficiency (%)	40.18
11	Gain (dBi)	0.71

Theta

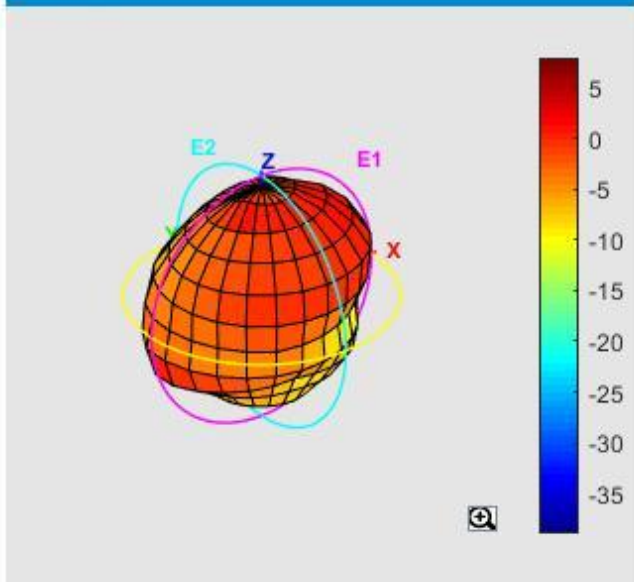


Phi



2.46GHz

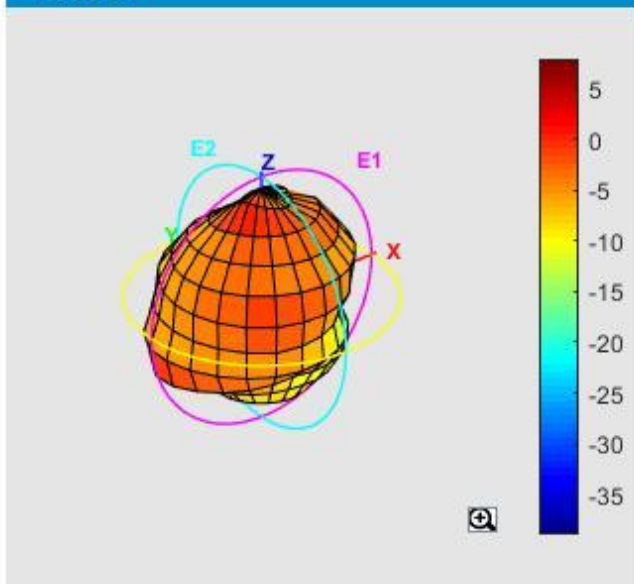
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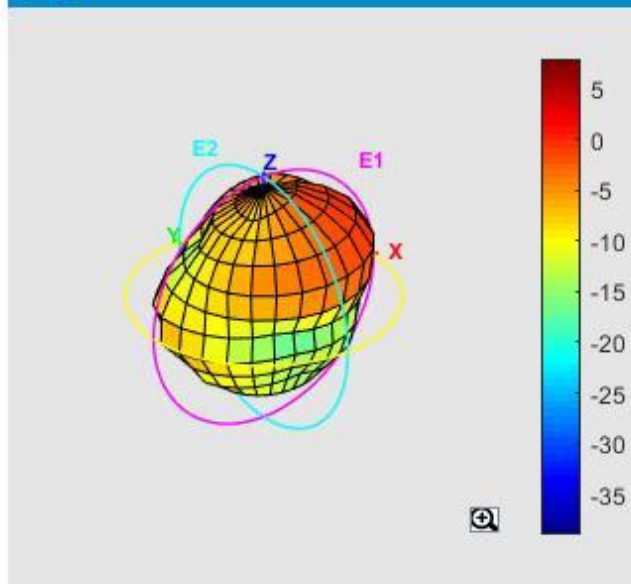
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G		
	1	2
1	Summary	Total
2	Frequency	2.46GHz
3	Ant. Port Inp. Pow. (dBi)	0.00
4	Rad. Pow. (dBi)	-4.01
5	Rad. Pow. 0-90 (dBi)	-5.94
6	Rad. Pow. 90-180 (dBi)	-8.46
7	Peak EIRP (dBi)	1.20
8	Directivity (dBi)	5.21
9	Efficiency (dB)	-4.01
10	Efficiency (%)	39.72
11	Gain (dBi)	1.20

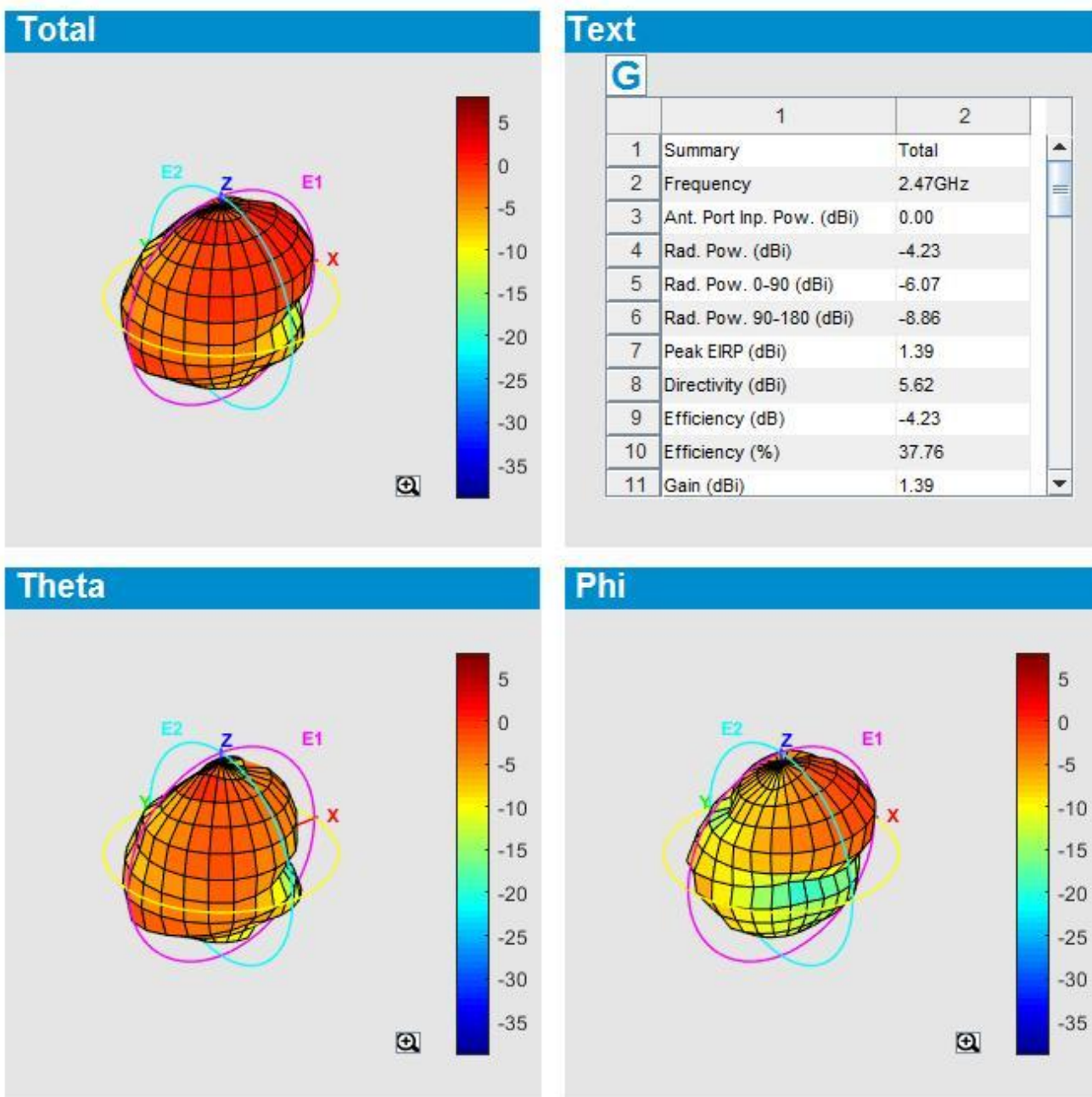
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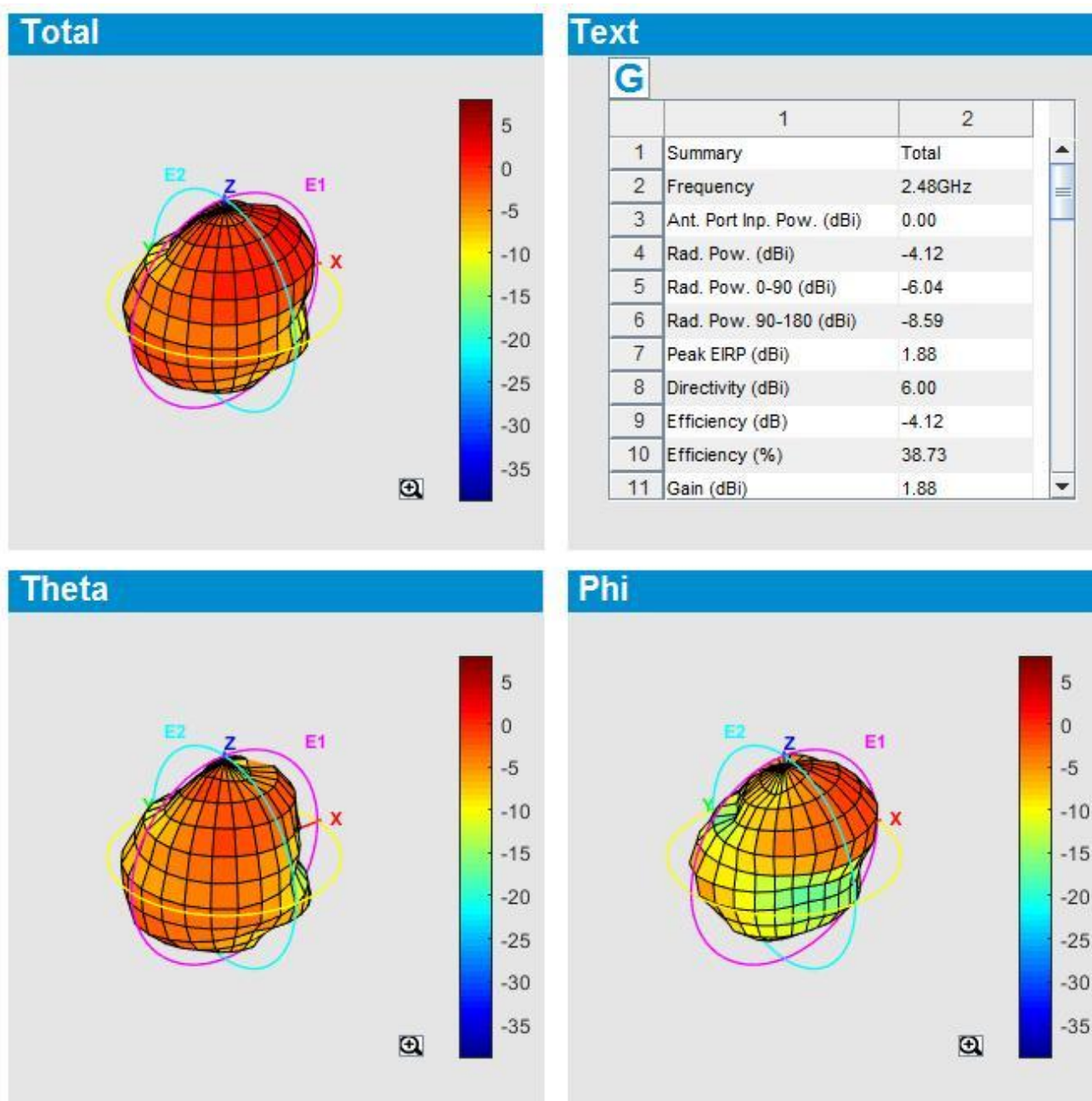
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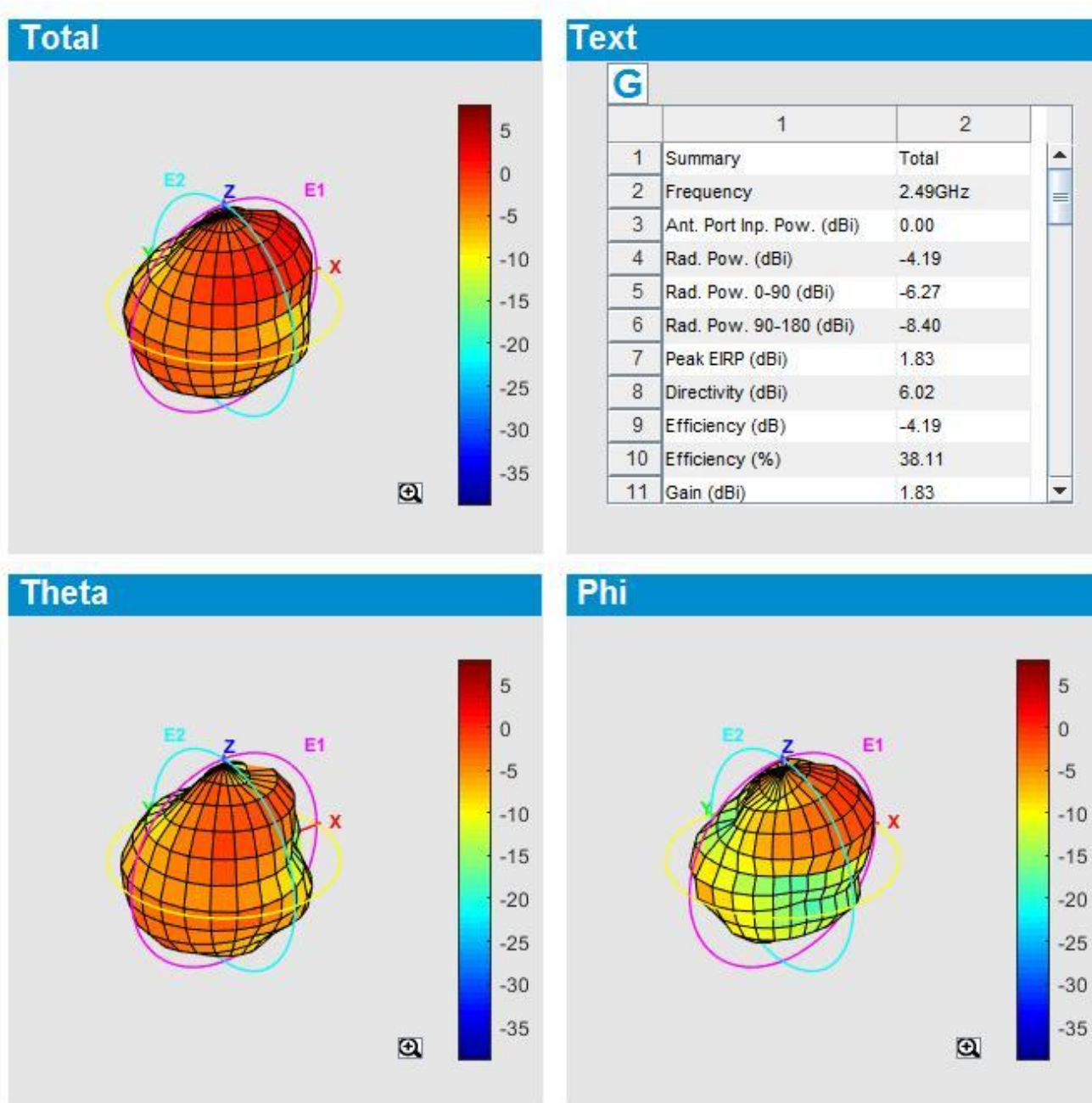
2.47GHz



2.48GHz

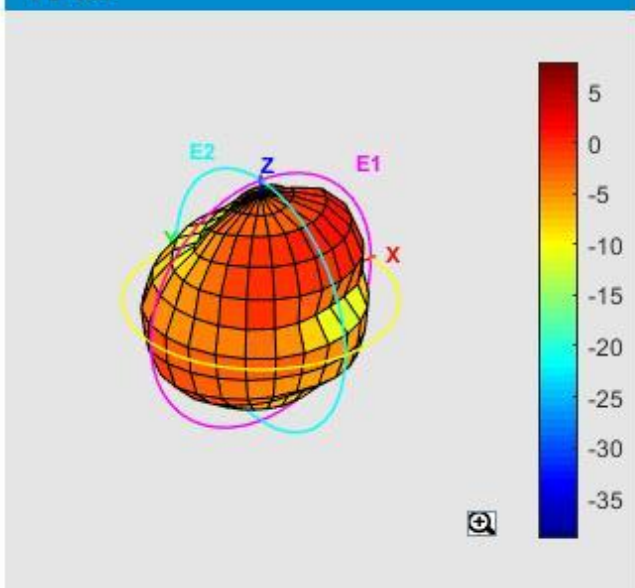


2.49GHz



2.50GHz

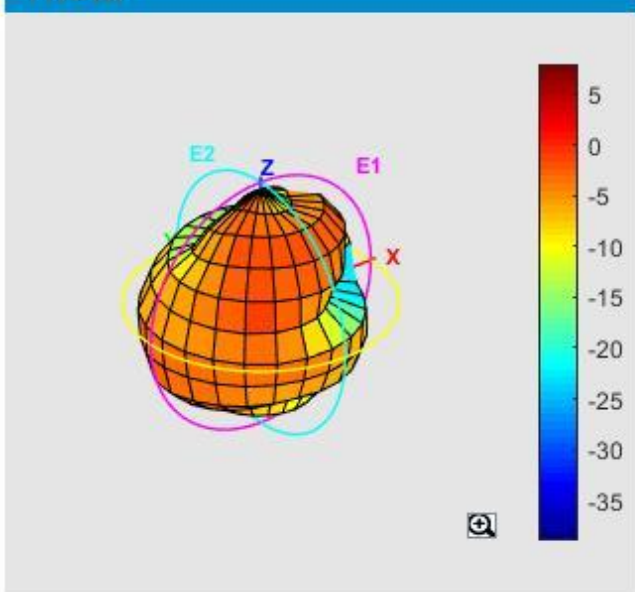
Total



Text

G		
	1	2
1	Summary	Total
2	Frequency	2.5GHz
3	Ant. Port Inp. Pow. (dBi)	0.00
4	Rad. Pow. (dBi)	-4.36
5	Rad. Pow. 0-90 (dBi)	-6.57
6	Rad. Pow. 90-180 (dBi)	-8.36
7	Peak EIRP (dBi)	1.32
8	Directivity (dBi)	5.68
9	Efficiency (dB)	-4.36
10	Efficiency (%)	36.64
11	Gain (dBi)	1.32

Theta



Phi

