

OTA TEST REPORT

Client Information:

Applicant.....: Zhejiang Okai Vehicle Co., Ltd.
Address add.....: 9 Xinxing Road, Xinbi Street, Jinyun County, Zhejiang Province, China.
Product Name.....: EB50BLE Antenna
Model Name.....: EB50BLE Antenna
Date of Test.....: 2 Sep. 2022
Date of Issue.....: 2 Sep. 2022

Report Prepared by :


(qiyaoshao)

Report Approved by :


(leo Li)

Authorized Signatory :


(kaiser_tong)

"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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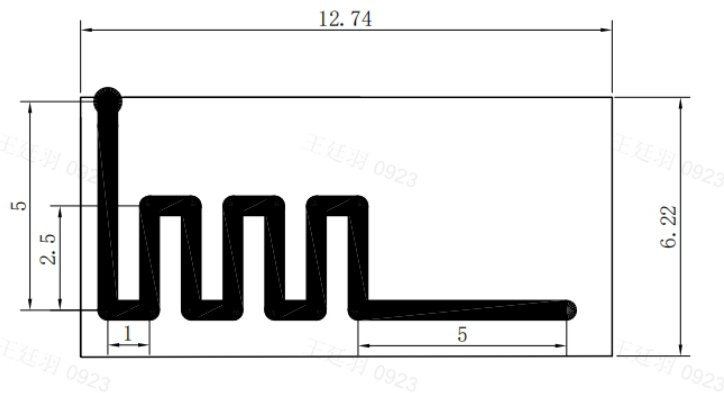
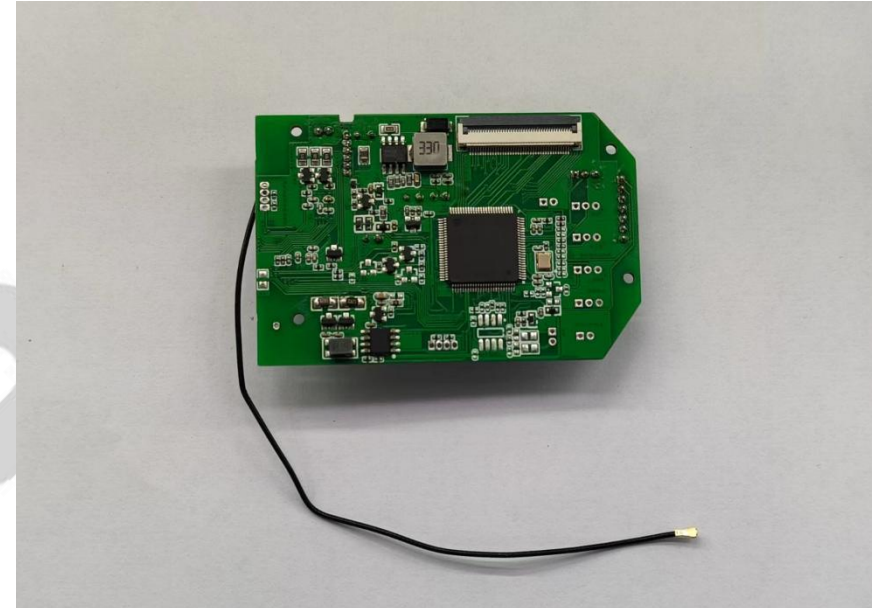
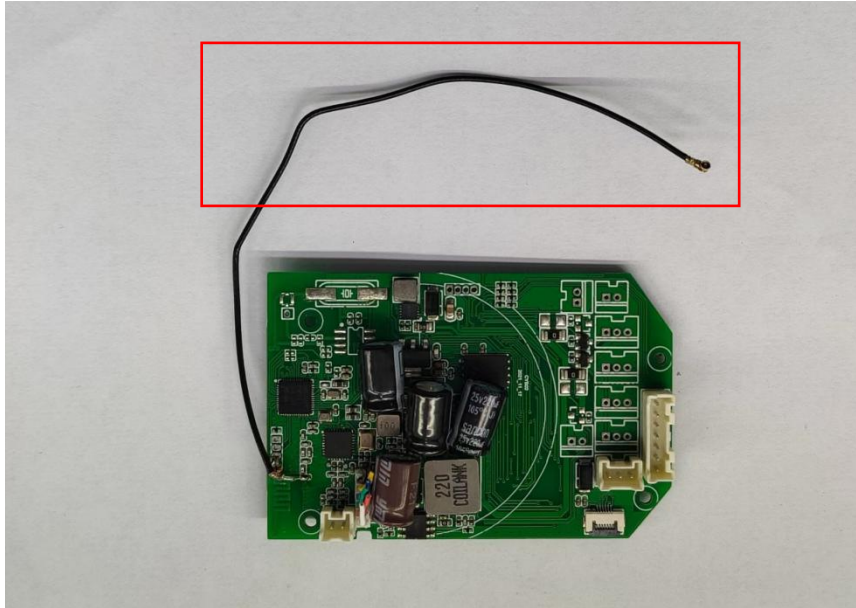
Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	2 Sep. 2022	SHATBL2209005	ALL	Initial Issue

1. Device list

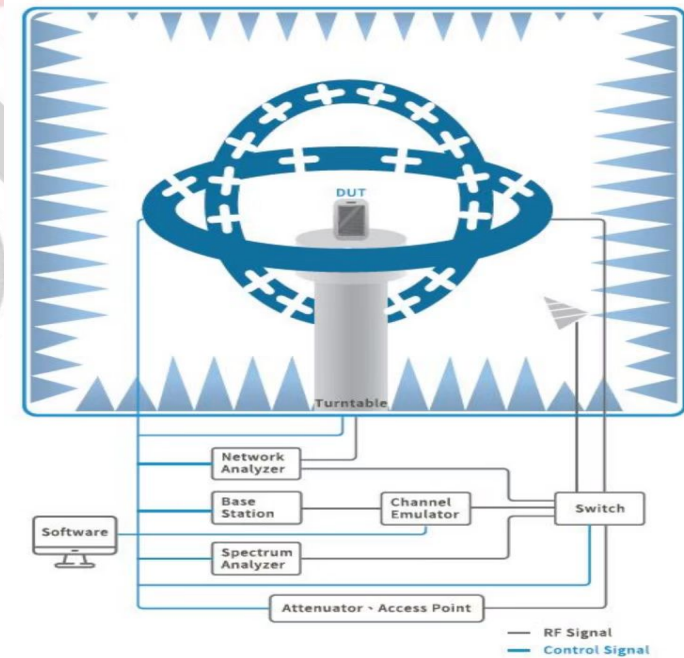
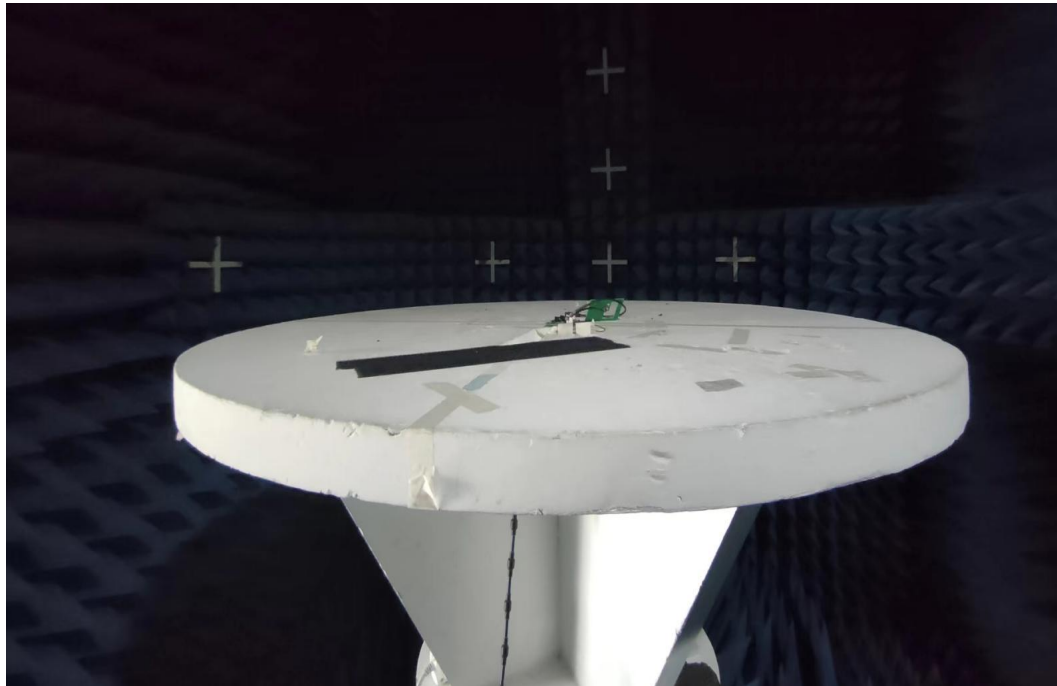
Equipment	Manufacturer	Model	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	Nov 10, 2022	Nov 09, 2023
CMW500	R&S	CMW500	Nov 10, 2022	Nov 09, 2023
Network Analyzer	AGILENT	E5071C	Nov 10, 2022	Nov 09, 2023
Frequency Spectrograph	AGILENT	N9020A	Nov 10, 2022	Nov 09, 2023

2.Sample photo



Remark: The cable in the red rectangle is test cable, which can connect with test equipment.

3. Test layout



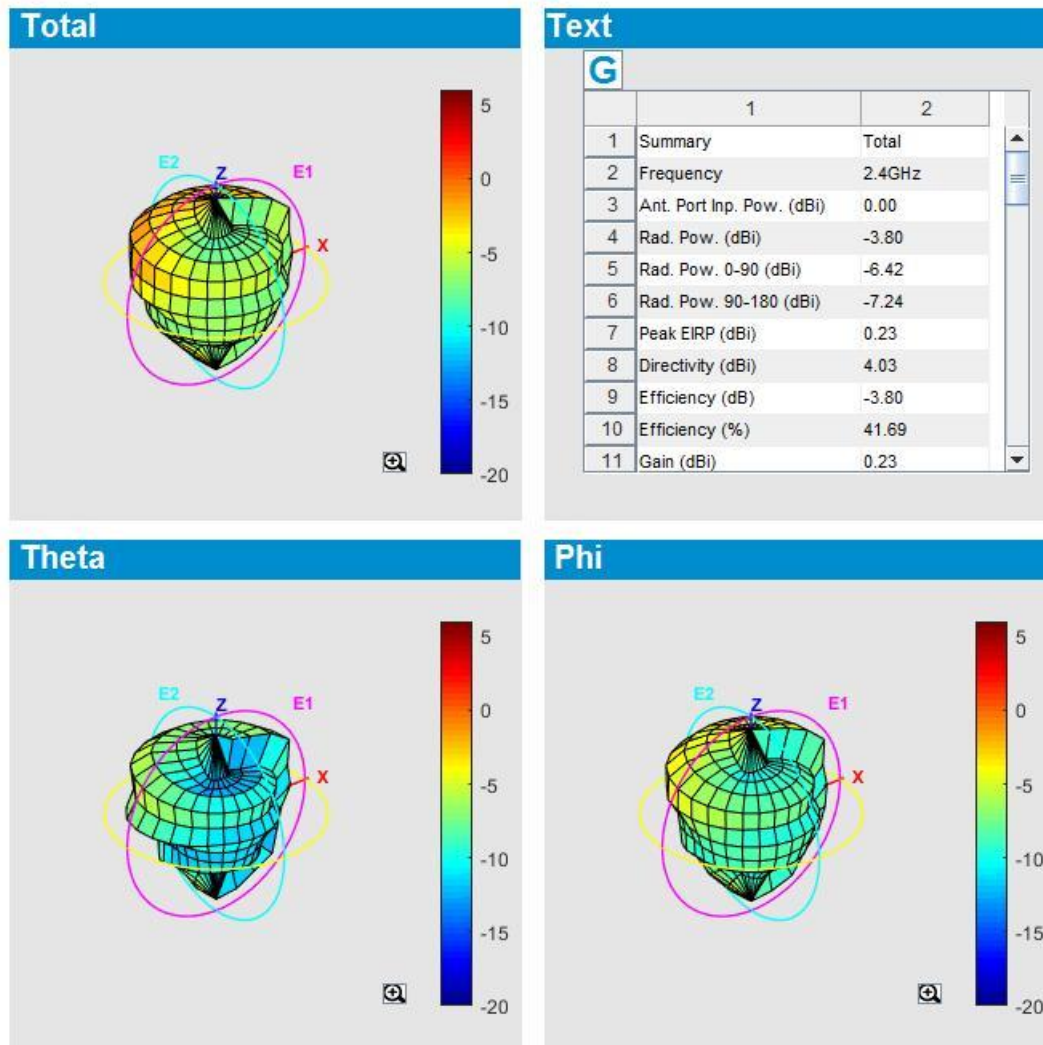
4. Results Summary

Overview

Test / Position	Free Space										
Communication System	Gain										
frequently	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Avg Gain	-3.8	-4.4	-5.4	-4.9	-4.0	-4.2	-5.0	-5.2	-4.7	-3.9	-3.1
Peak Gain	0.2	-0.7	-2.1	-1.9	-0.9	-1.0	-1.7	-1.5	-1.0	-0.6	0.1
Directivity	4.0	3.7	3.3	3.0	3.1	3.2	3.3	3.7	3.7	3.3	3.3
Efficiency	-3.8	-4.4	-5.4	-4.9	-4.0	-4.2	-5.0	-5.2	-4.7	-3.9	-3.1
Efficiency (%)	41.7	36.5	28.8	32.7	39.8	37.8	31.8	30.1	33.8	40.6	48.6
Gain	0.2	-0.7	-2.1	-1.9	-0.9	-1.0	-1.7	-1.5	-1.0	-0.6	0.1
Note											

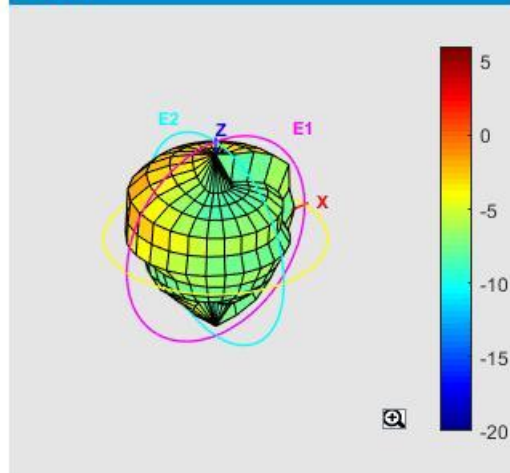
5. Radiation Pattern/Efficiency

2.40GHz



2.41GHz

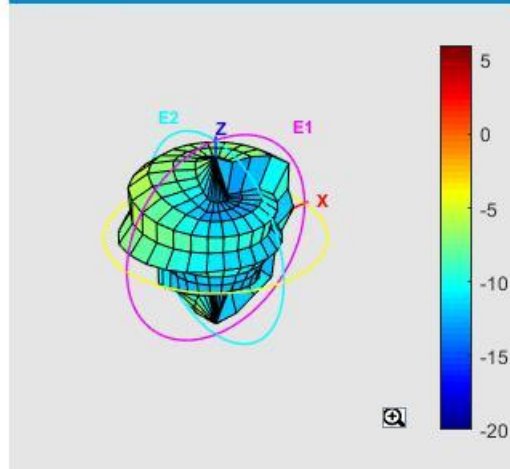
Total



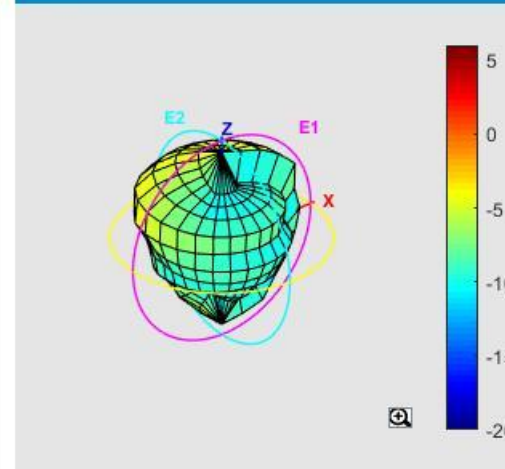
Text

G		
	1	2
1	Summary	Total
2	Frequency	2.41GHz
3	Ant. Port Inp. Pow. (dBi)	0.00
4	Rad. Pow. (dBi)	-4.38
5	Rad. Pow. 0-90 (dBi)	-6.90
6	Rad. Pow. 90-180 (dBi)	-7.95
7	Peak EIRP (dBi)	-0.68
8	Directivity (dBi)	3.70
9	Efficiency (dB)	-4.38
10	Efficiency (%)	36.48
11	Gain (dBi)	-0.68

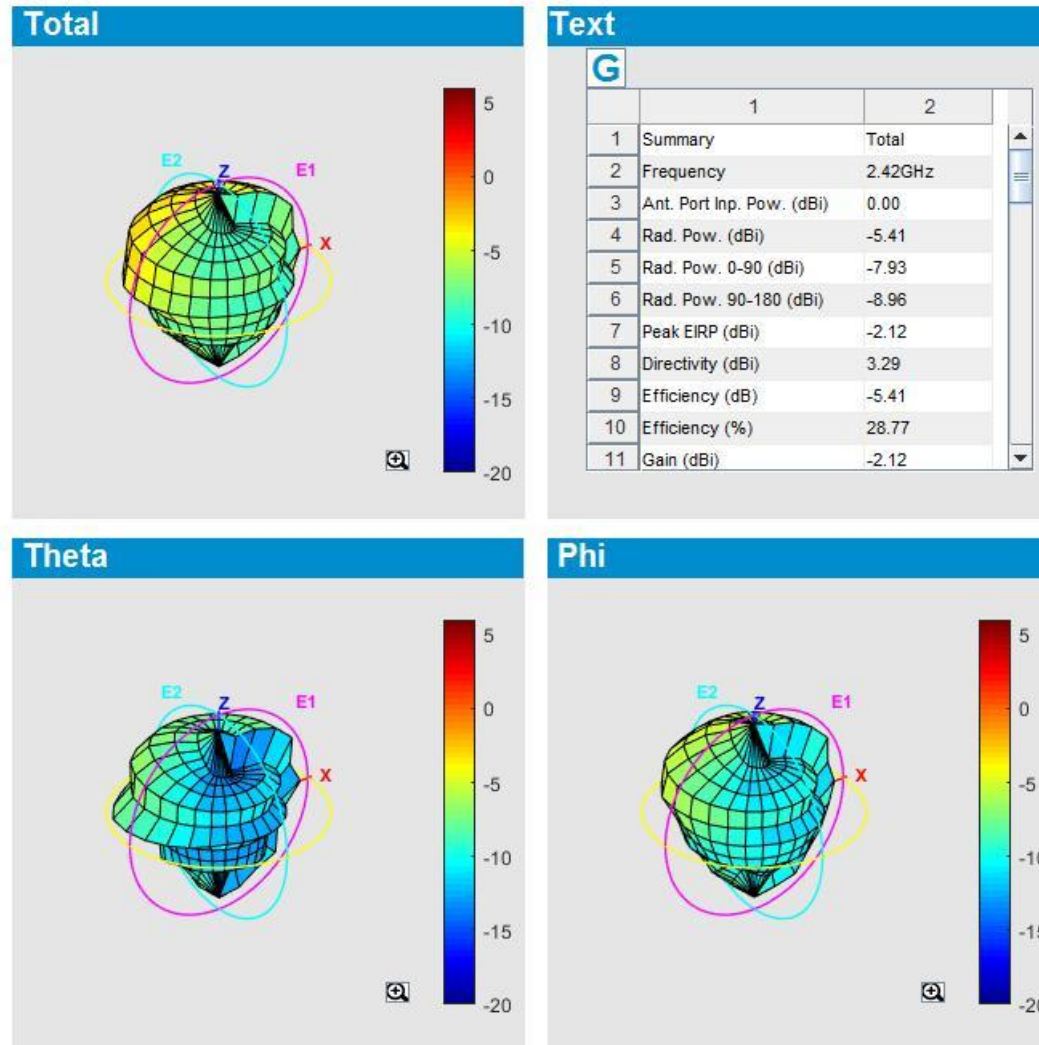
Theta



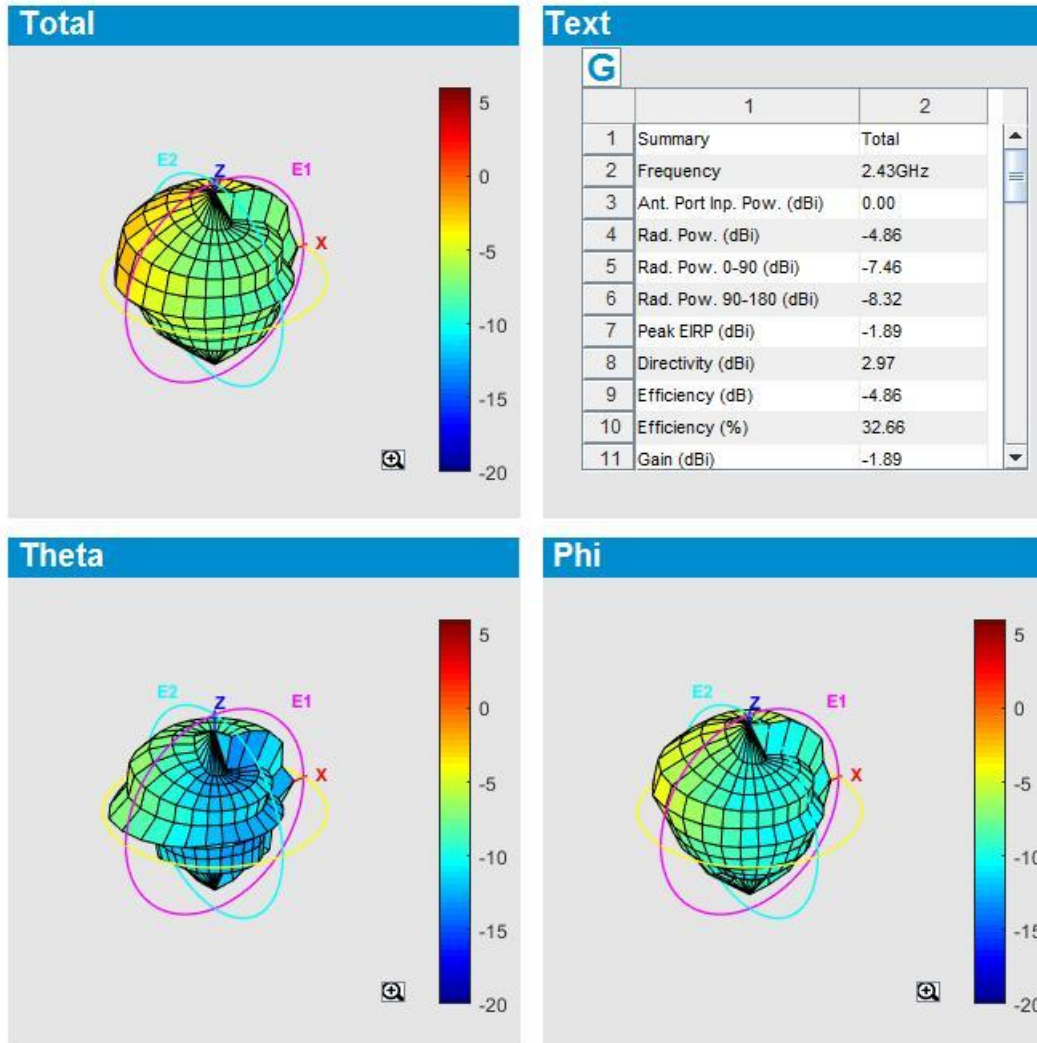
Phi



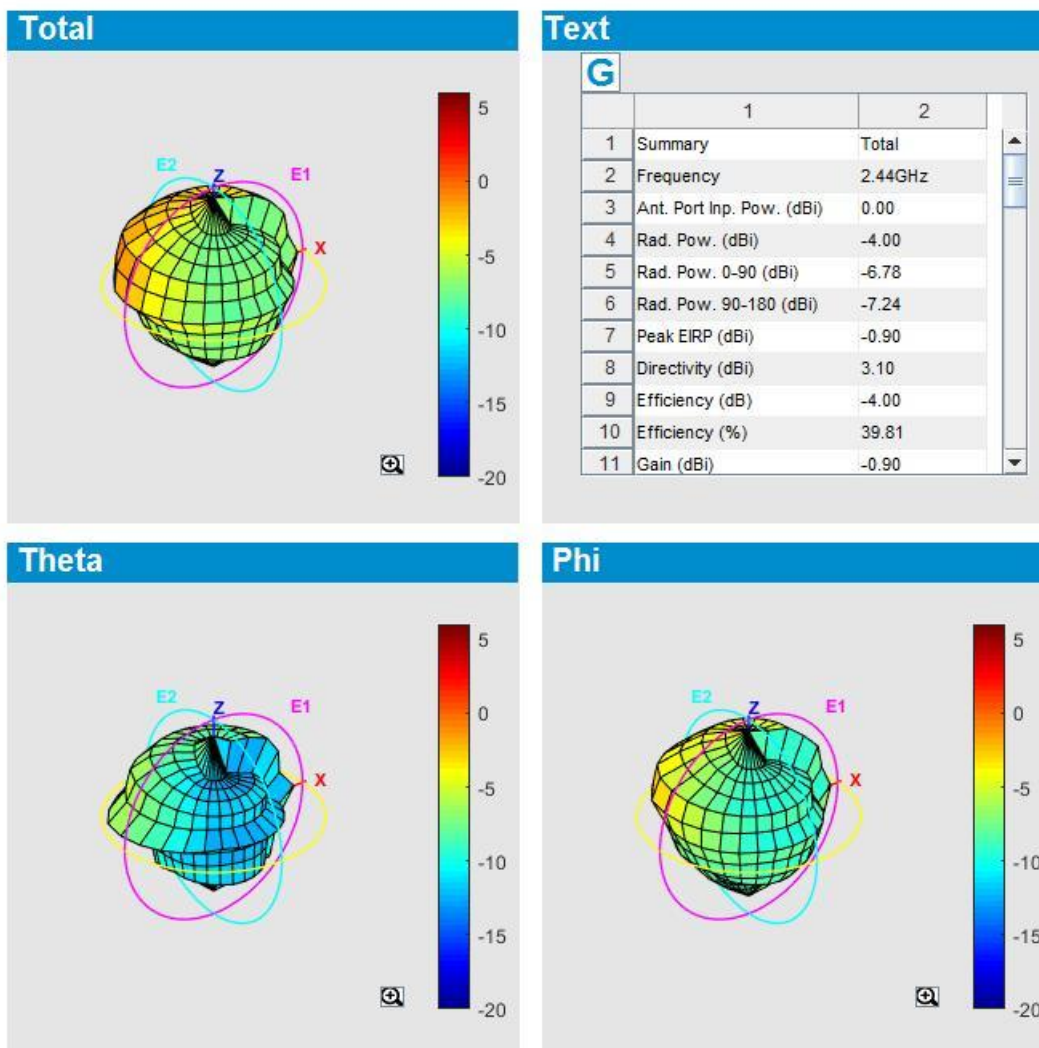
2.42GHz



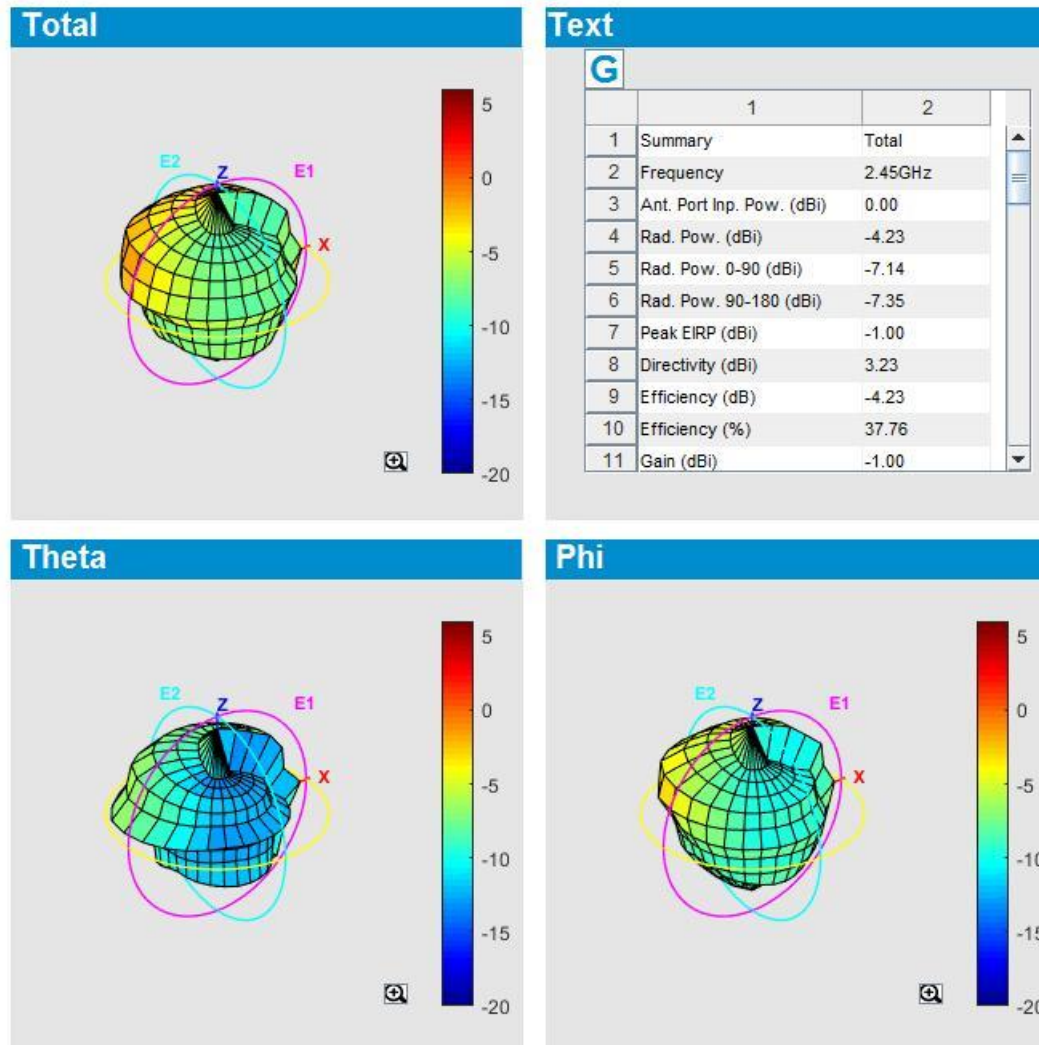
2.43GHz



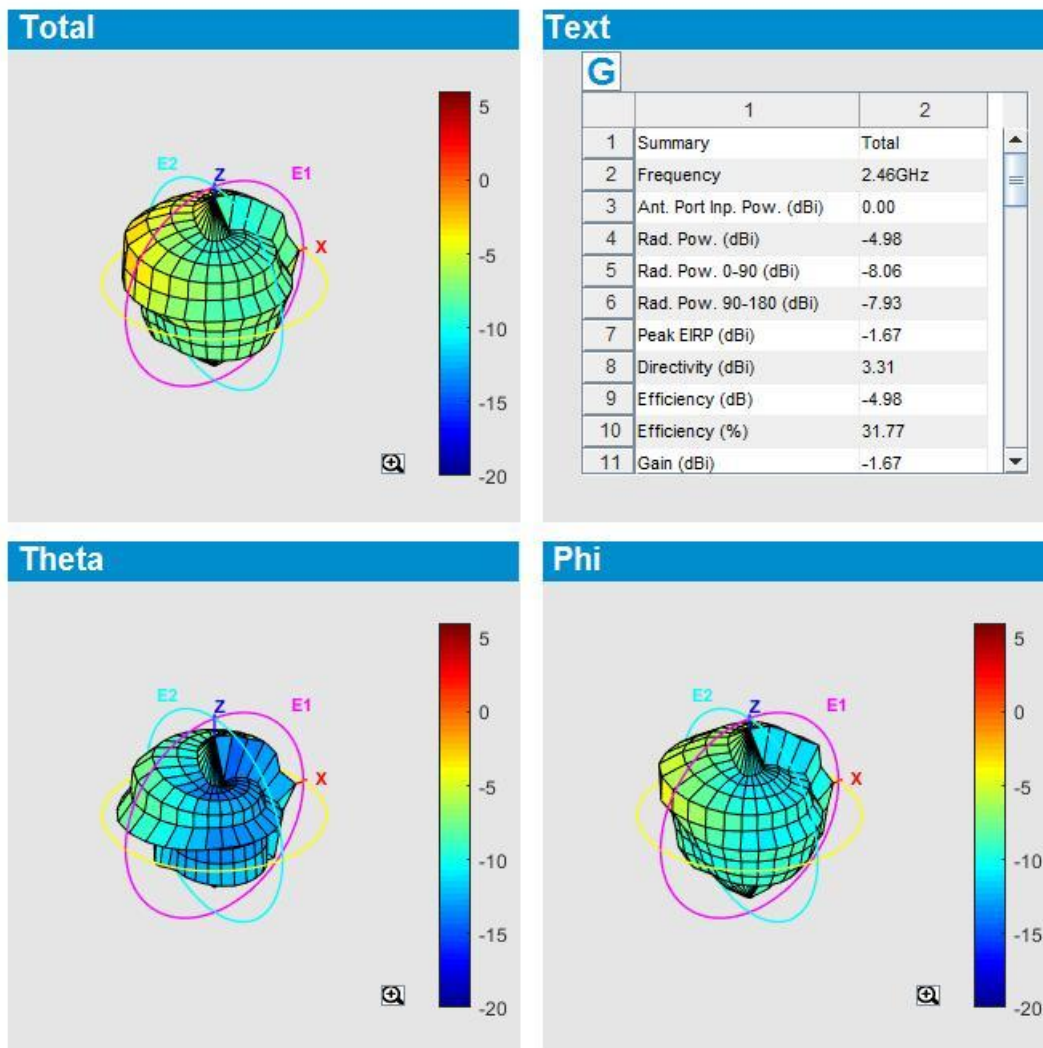
2.44GHz



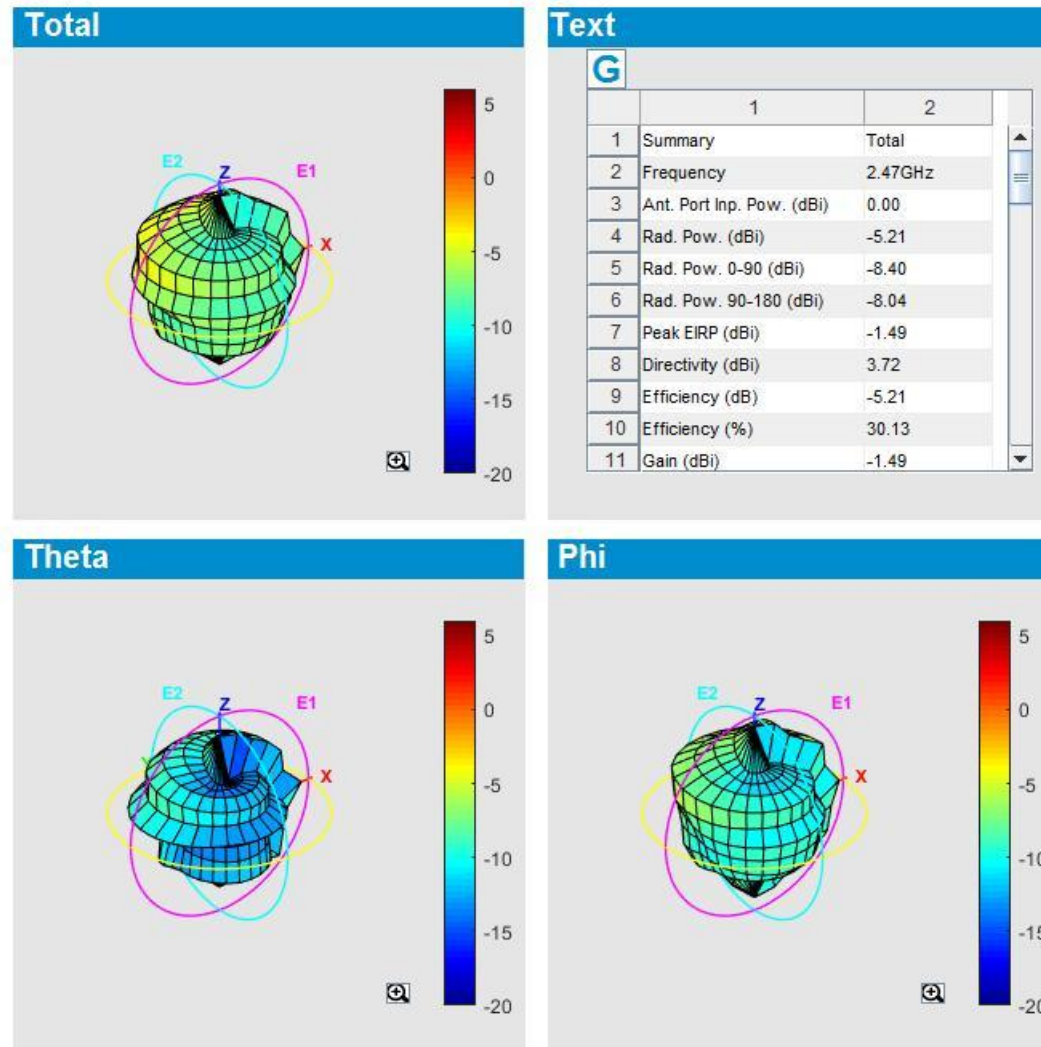
2.45GHz



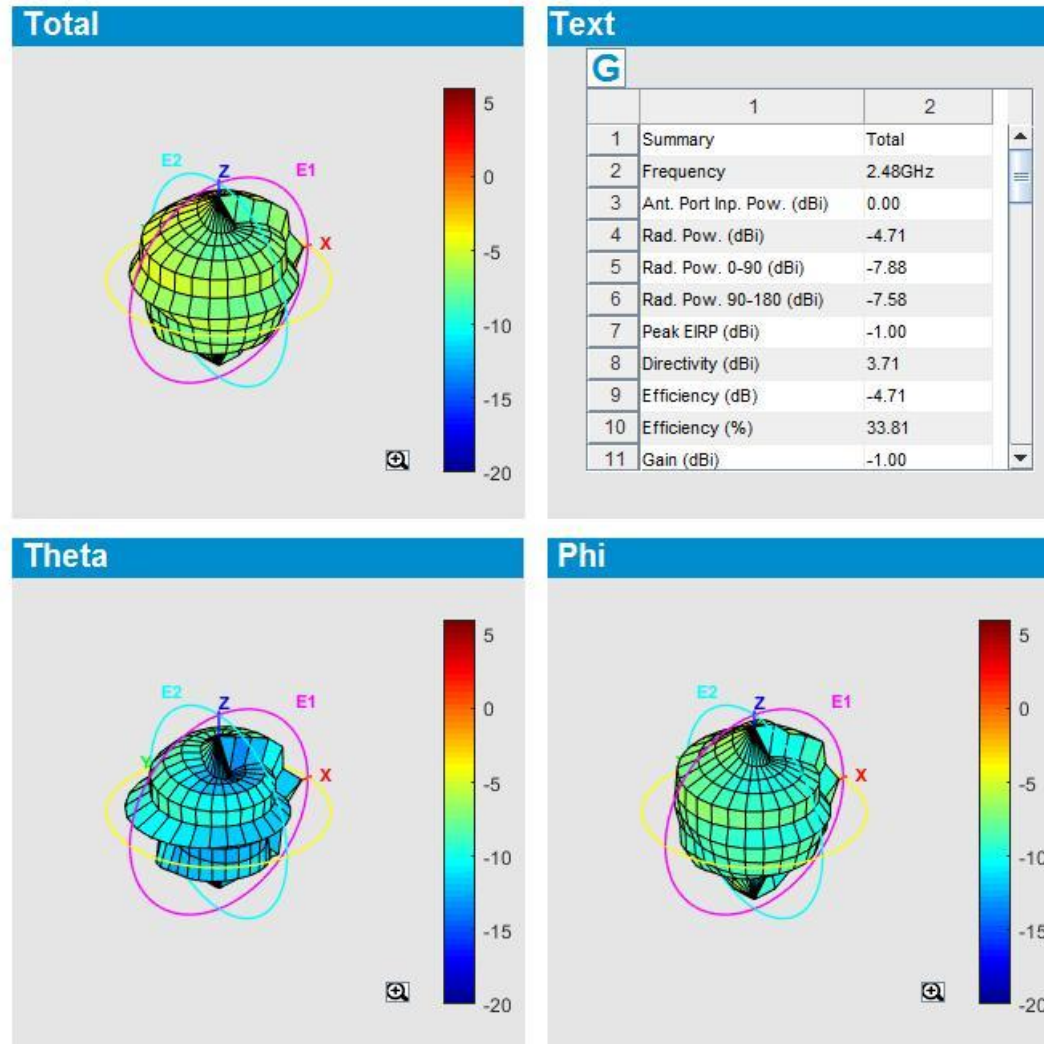
2.46GHz



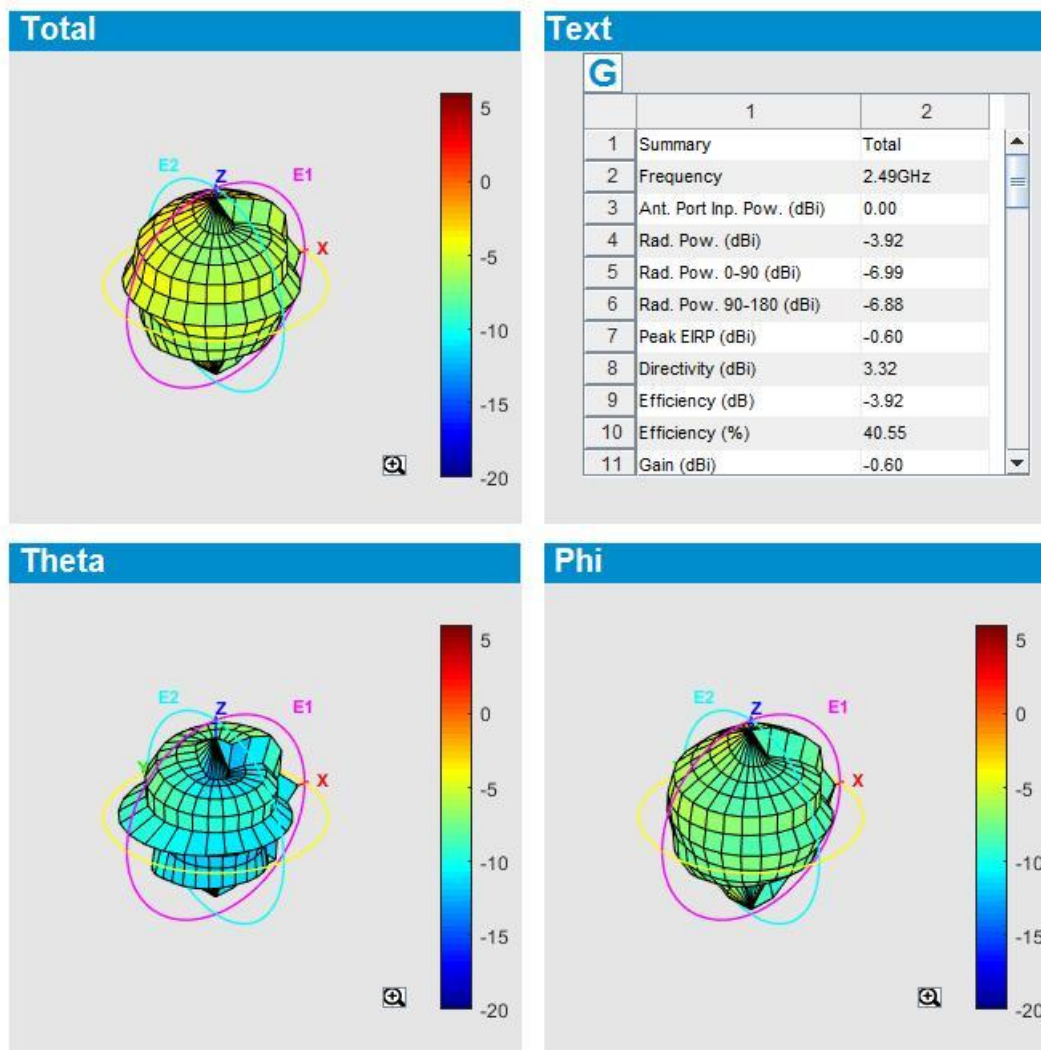
2.47GHz



2.48GHz



2.49GHz



2.50GHz

