



# OTA TEST REPORT

## Client Information:

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

**Address add**.....: 12 East Zhenxing Road, Linping, Yuhang, Hangzhou, 311100, China

**Product Name**.....: NLP Receiver Antenna

**Model Name**.....: A1

**Date of Test**..... 14 Sep. 2023

**Date of Issue**..... 14 Sep. 2023

Report Prepared by :

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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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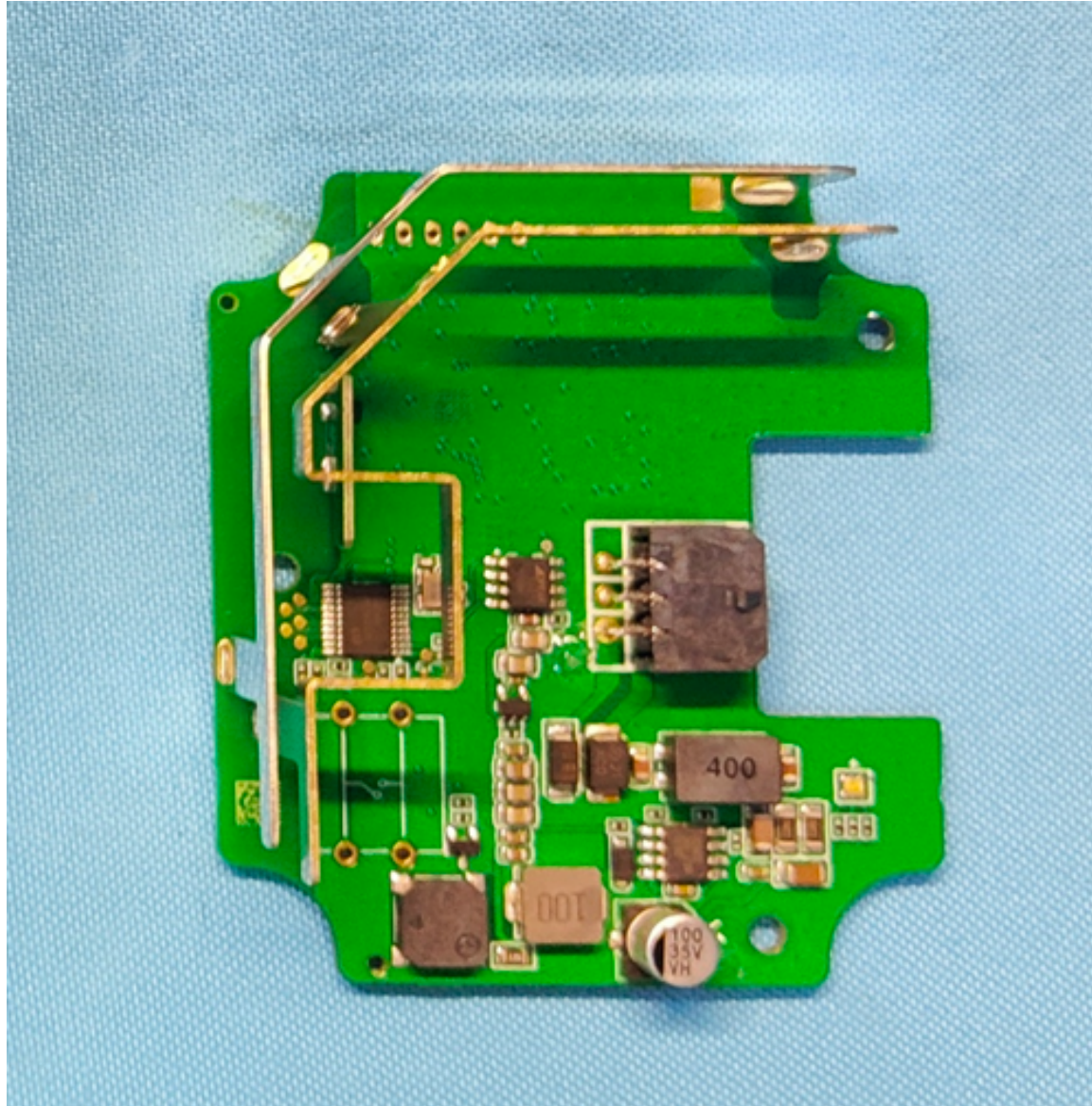
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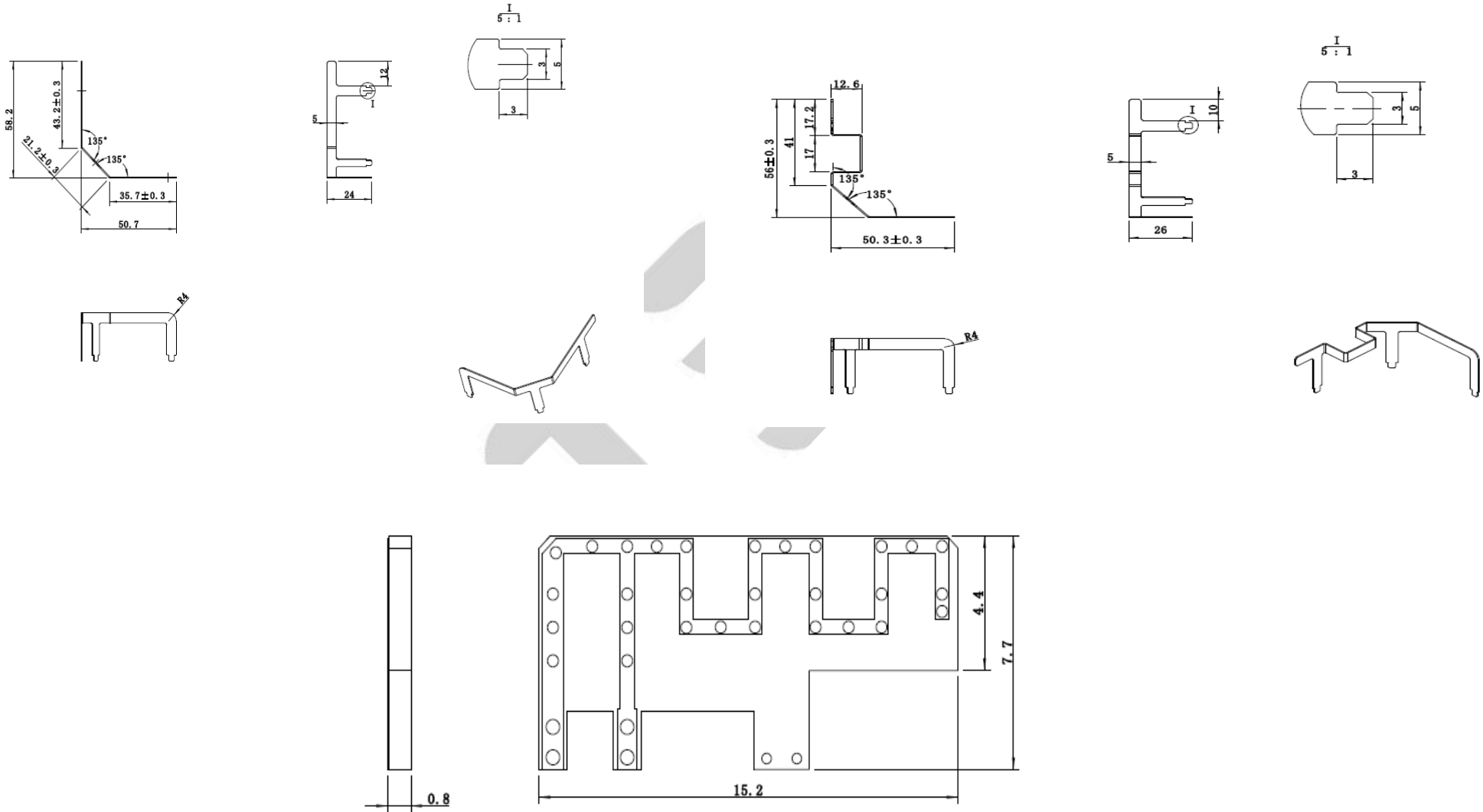
## Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	15 Sep. 2022	SHATBL2209009	ALL	Initial Issue

1. Sample photo



## 2. Test layout



### 3. Results Summary

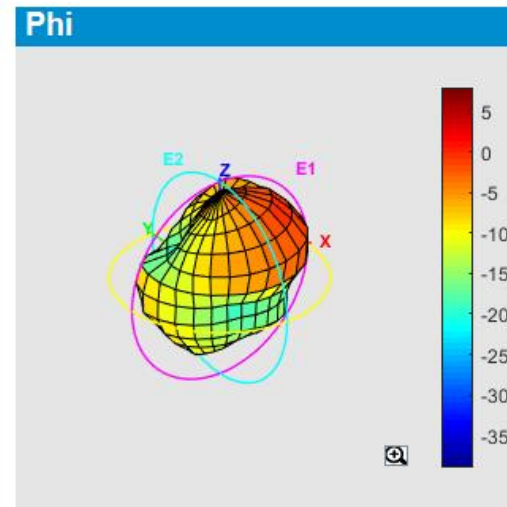
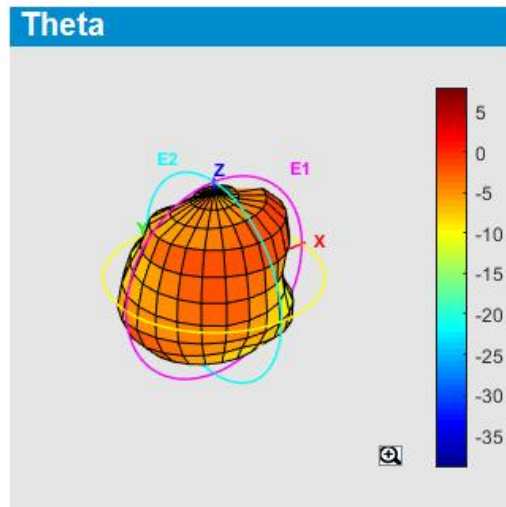
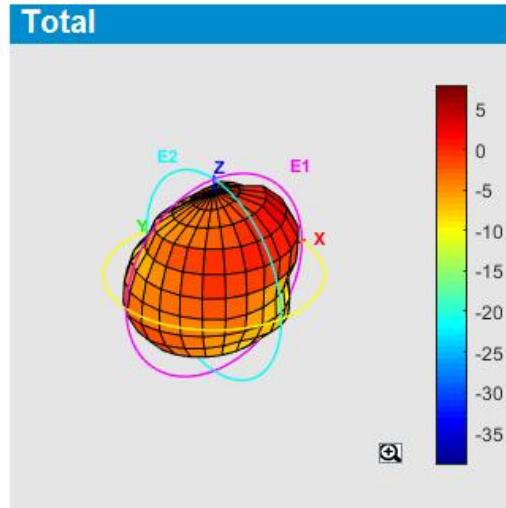
#### Overview

Test / Position	Free Space										
Communication System	Gain										
frequently	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
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
<b>Efficiency (%)</b>	<b>34.8</b>	<b>34.9</b>	<b>37.5</b>	<b>38.6</b>	<b>39.4</b>	<b>40.2</b>	<b>39.7</b>	<b>37.8</b>	<b>38.7</b>	<b>38.1</b>	<b>36.6</b>
Gain	3.9	3.9	4.3	4.0	4.0	4.6	4.6	4.1	4.2	4.1	4.3
Note											



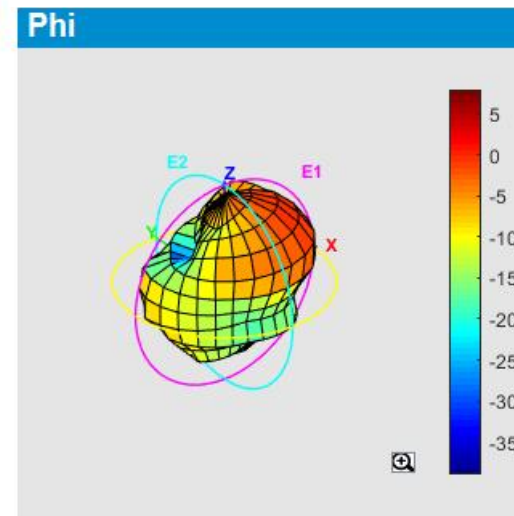
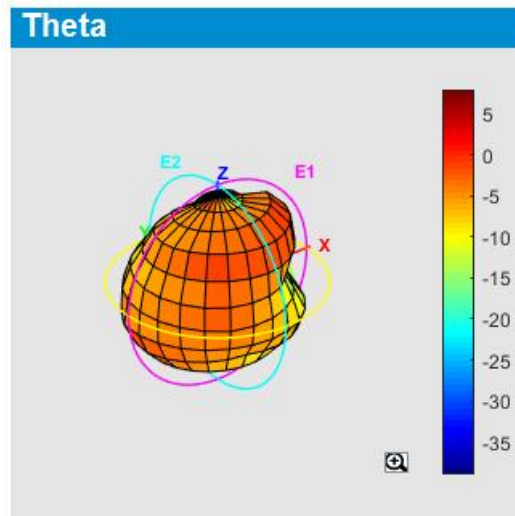
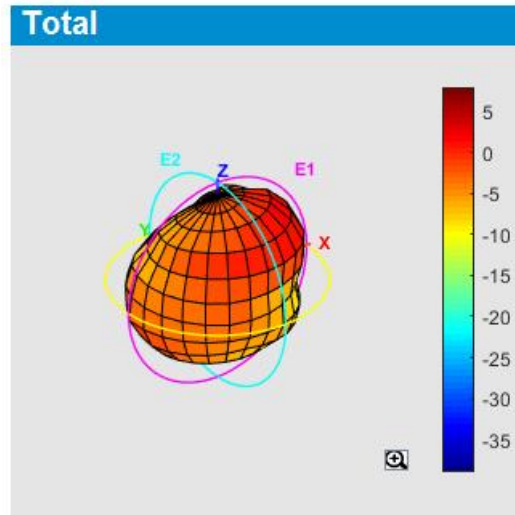
### 4. Radiation Pattern/Efficiency

## 2.40GHz



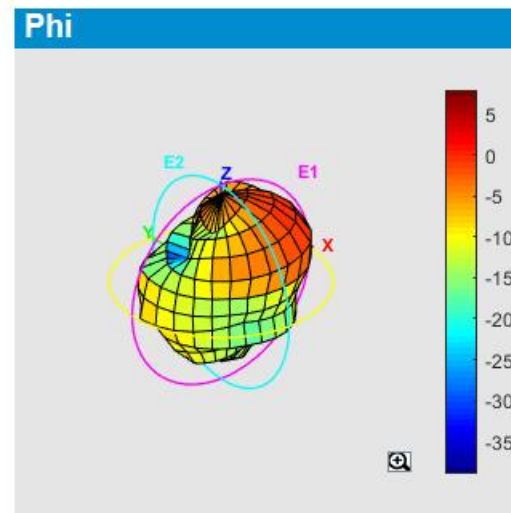
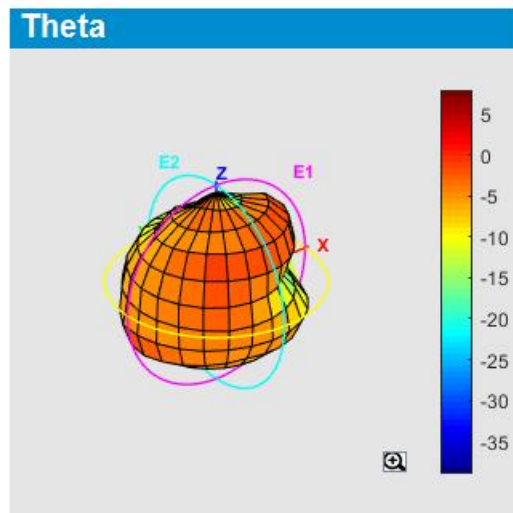
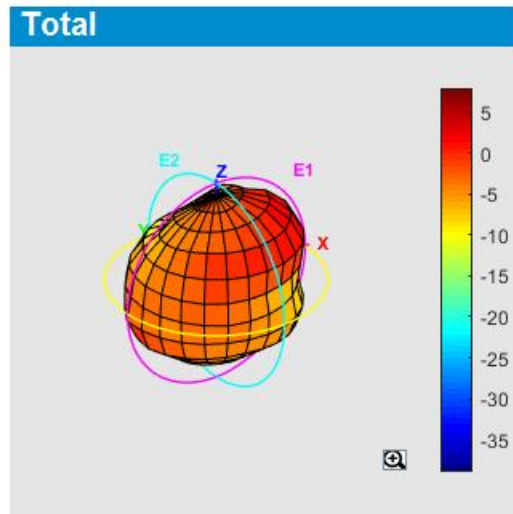


## 2.41GHz

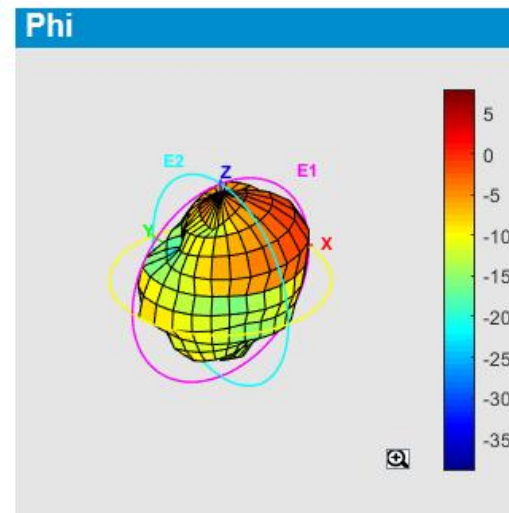
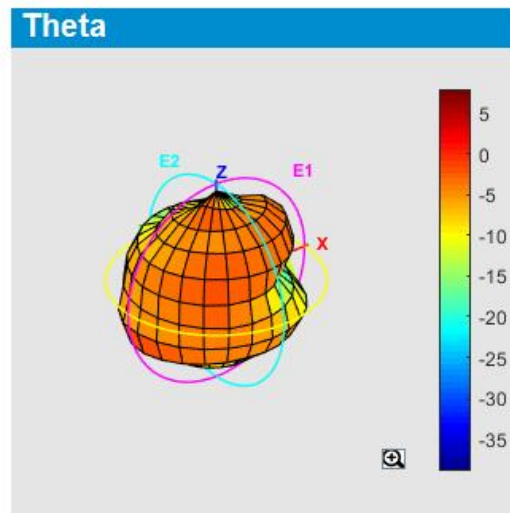
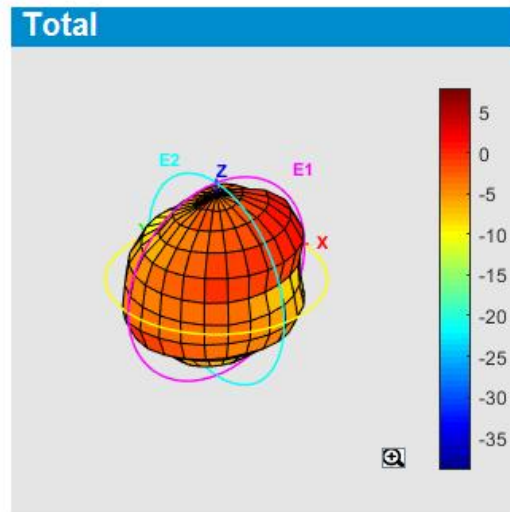




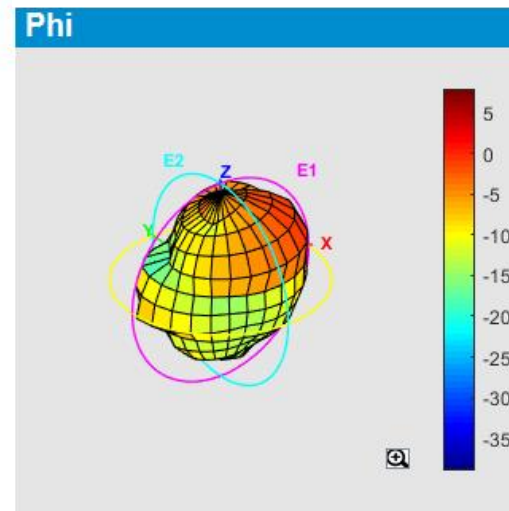
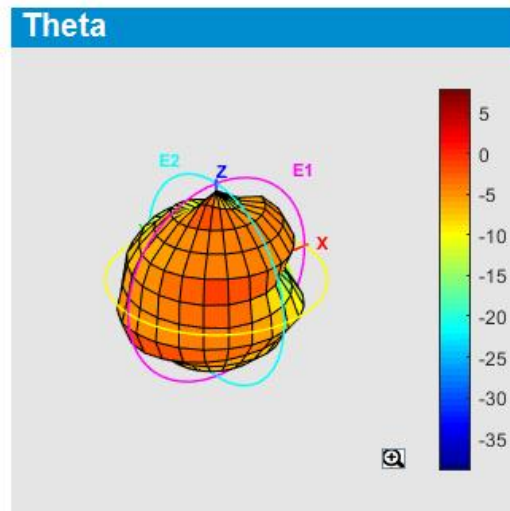
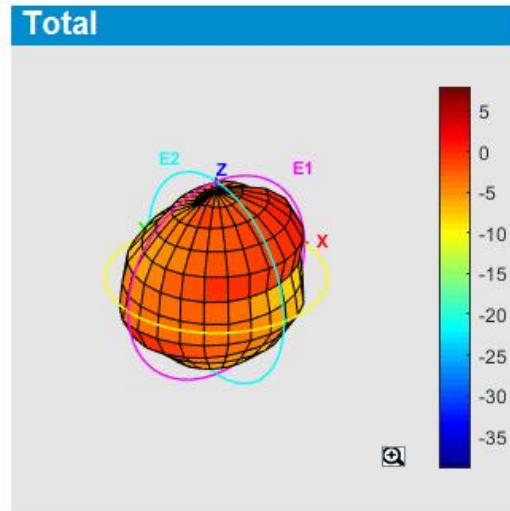
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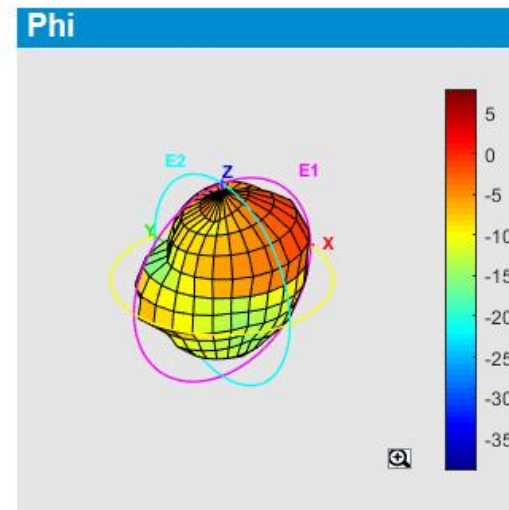
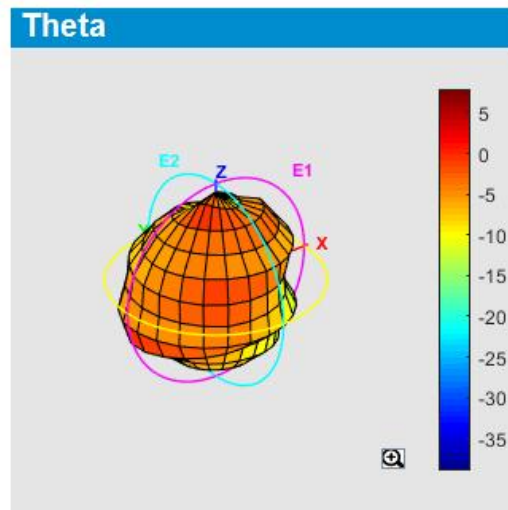
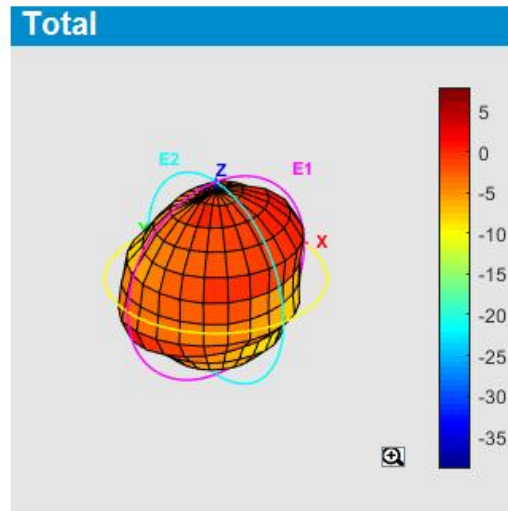
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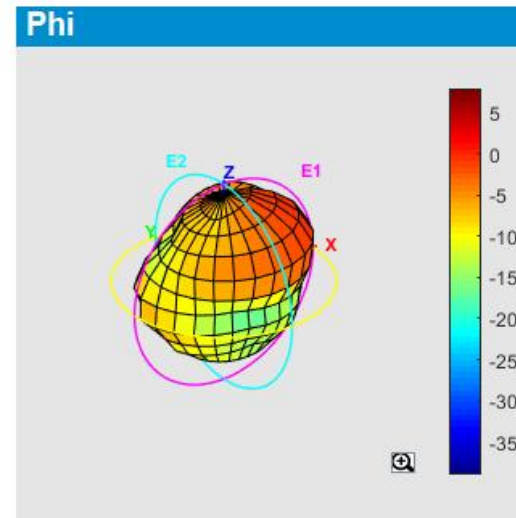
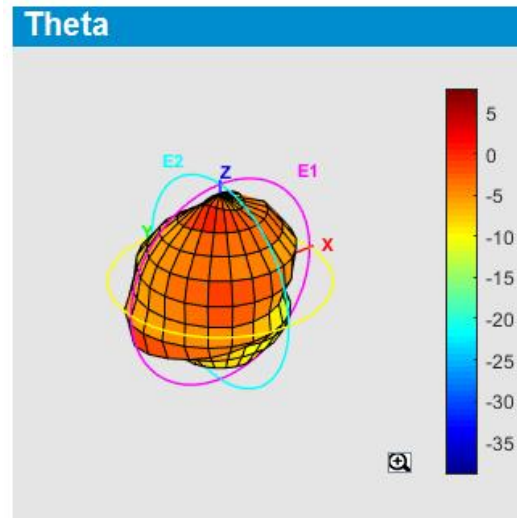
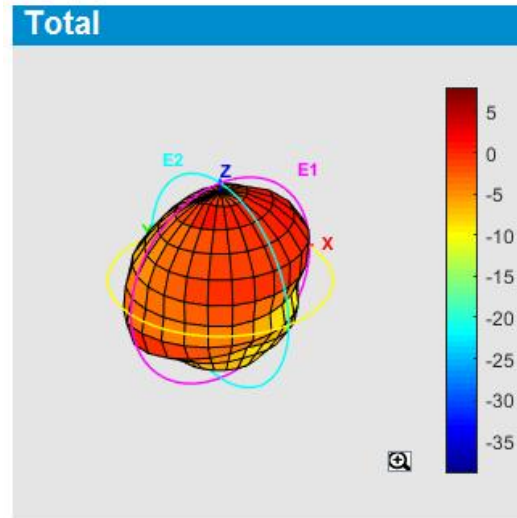
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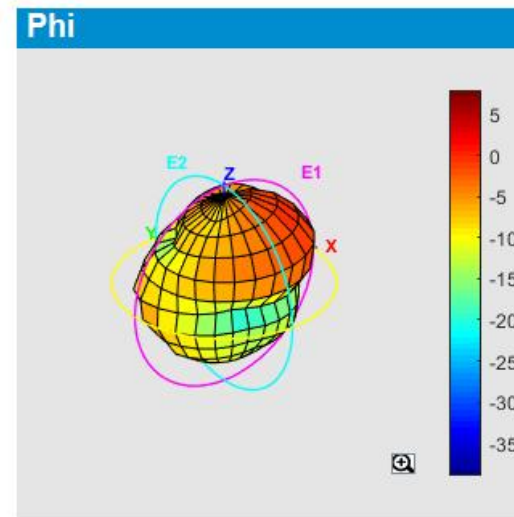
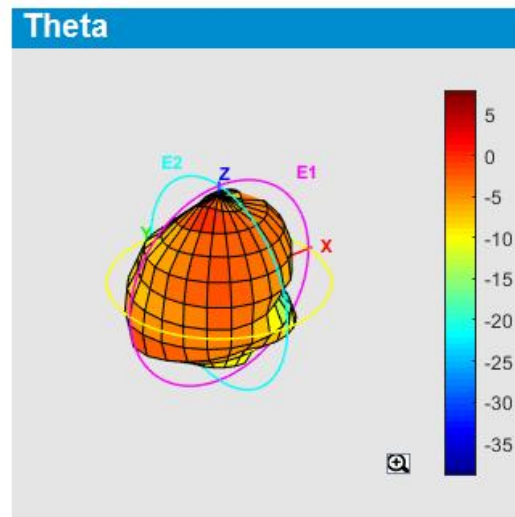
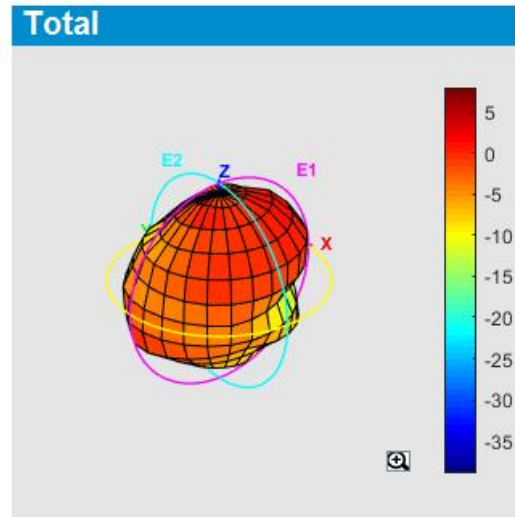
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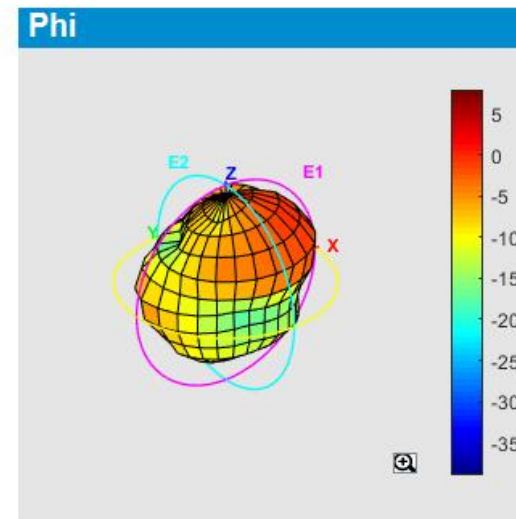
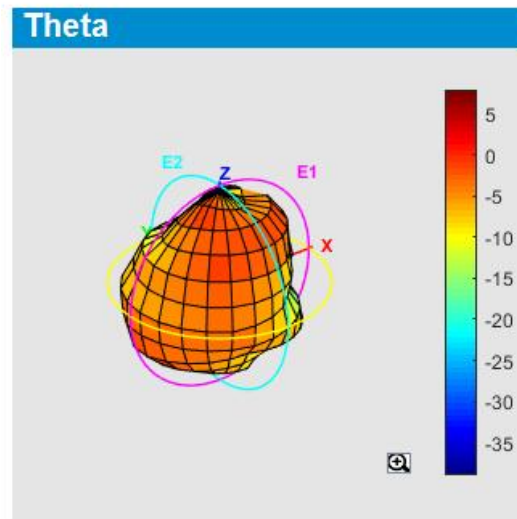
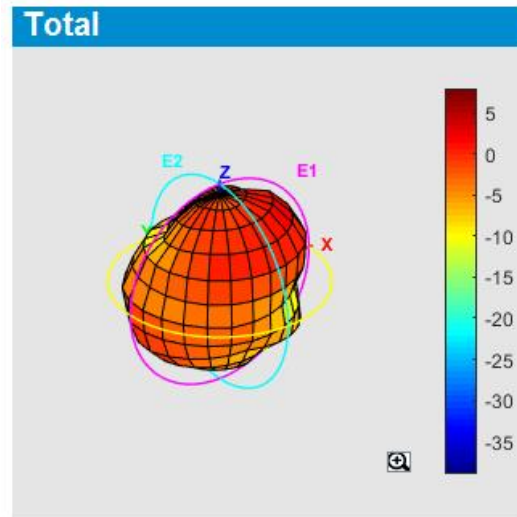
## 2.46GHz



## 2.47GHz

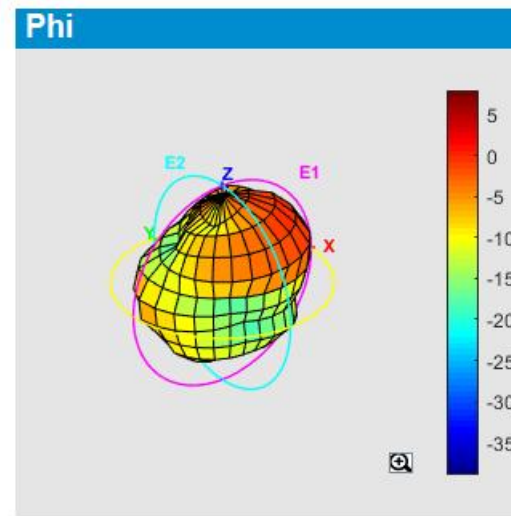
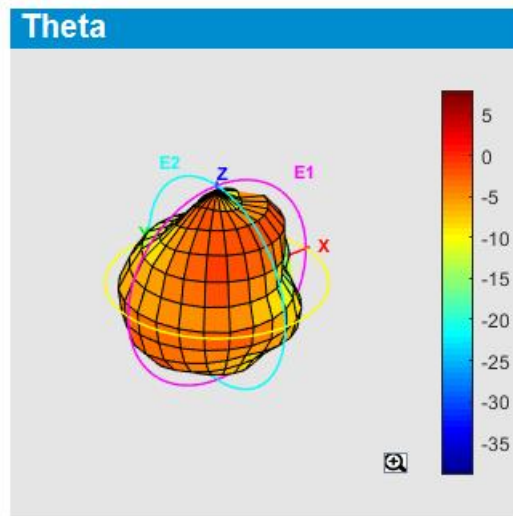
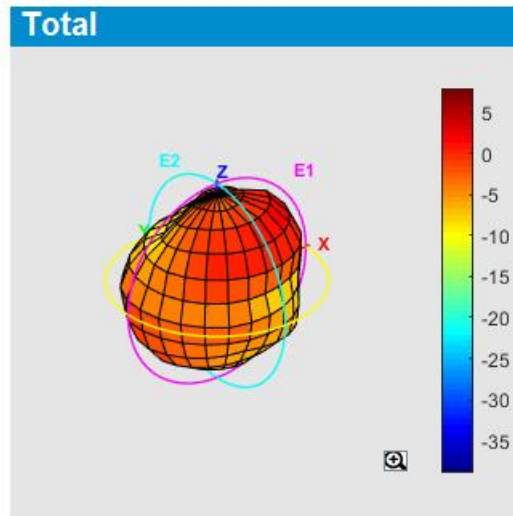


## 2.48GHz





## 2.49GHz



## 2.50GHz

