

# Antenna Part Specification

Model No : RZ04-0516

Antenna material : SRD Antenna

Antenna type : FPC Antenna

Version : V4.0

Date : 2024.06.14

Manufacturer : Razer Inc.

Address : 9 Pasteur, Suite 100, Irvine, CA92618, USA

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I : The report of passive data



Angilent E5071C

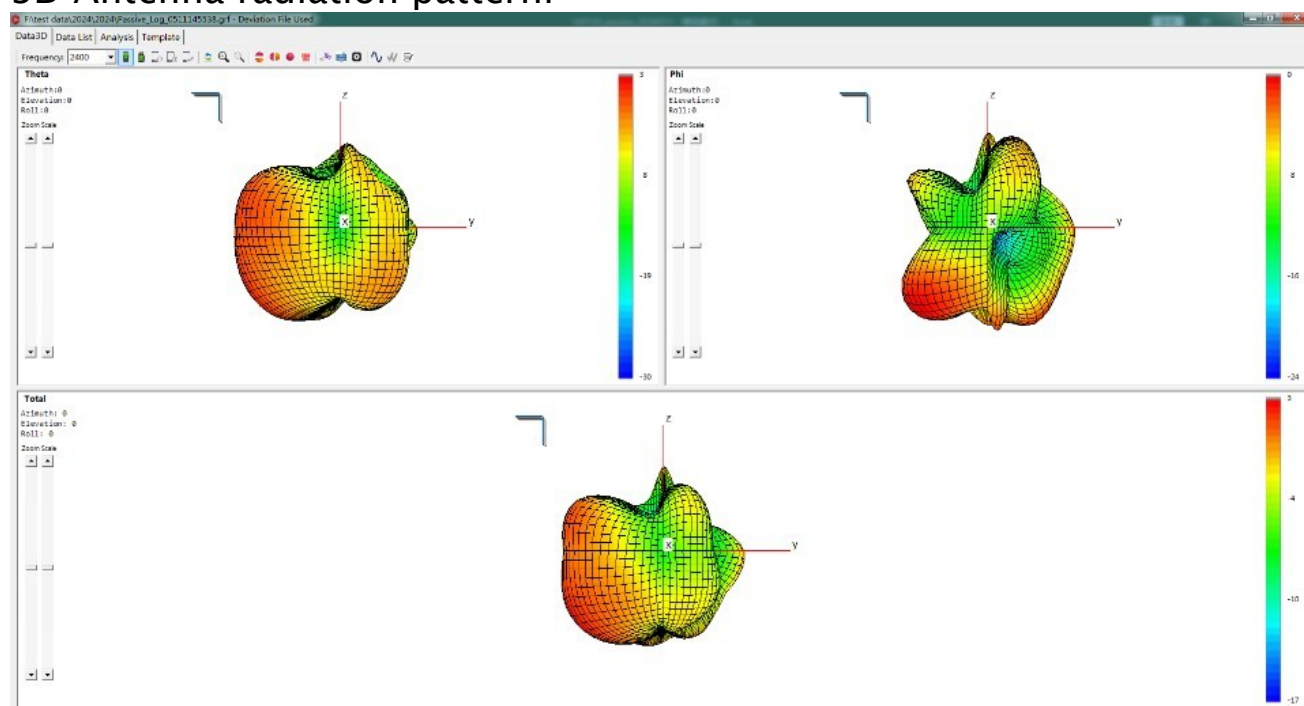
VSWR(S11) parameter :



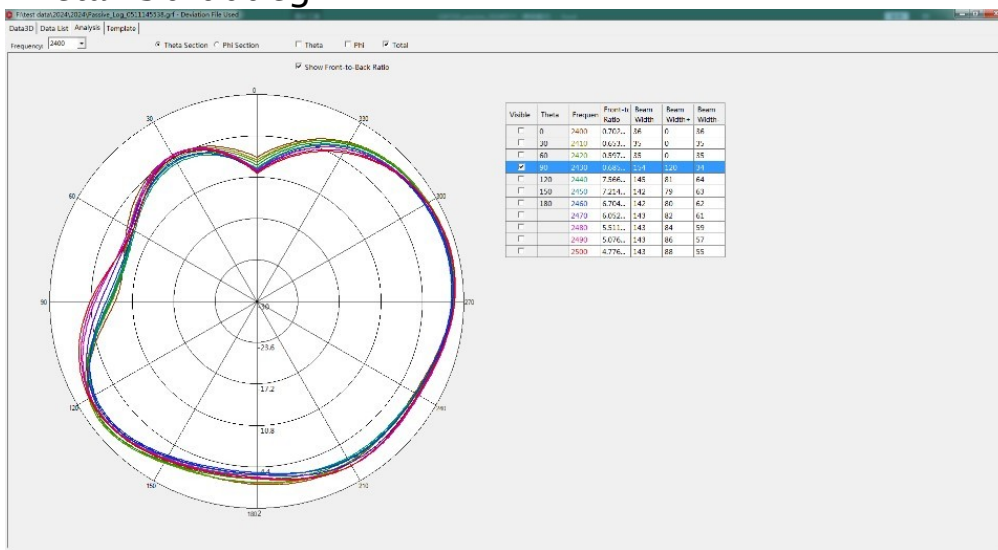
Efficiency :

| free space        |            |                  |            |
|-------------------|------------|------------------|------------|
| Frequency ( MHz ) | Gain (dBi) | Efficiency (dB ) | Efficiency |
| 2400              | 2.6        | -2.5             | 56.5       |
| 2410              | 2.5        | -2.6             | 54.8       |
| 2420              | 2.4        | -2.8             | 52.9       |
| 2430              | 2.4        | -2.7             | 53.9       |
| 2440              | 2.4        | -2.8             | 52.6       |
| 2450              | 2.5        | -2.6             | 55.5       |
| 2460              | 2.7        | -2.4             | 57.8       |
| 2470              | 2.6        | -2.5             | 55.8       |
| 2480              | 2.5        | -2.6             | 55.2       |
| Average value     | 2.5        | -2.6             | 55.0       |

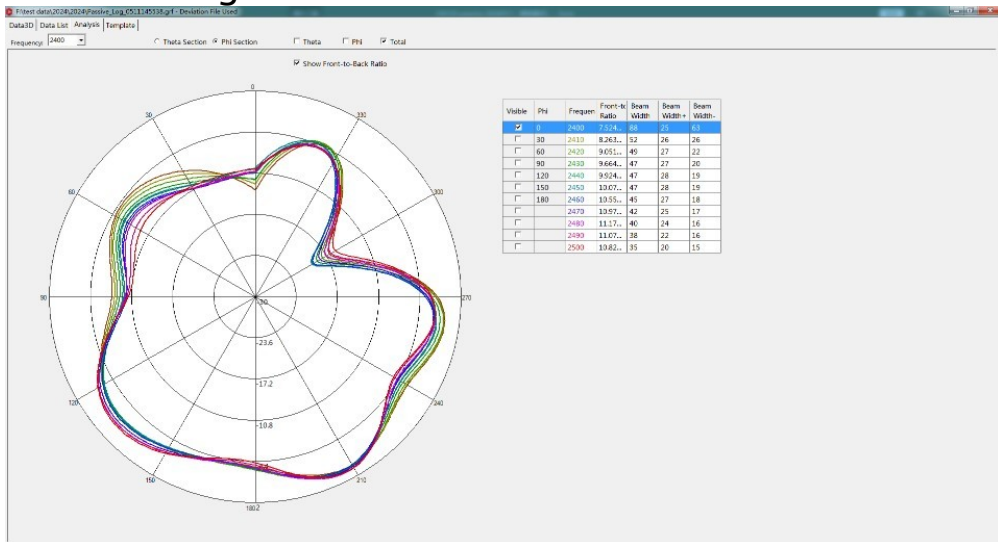
3D Antenna radiation pattern:



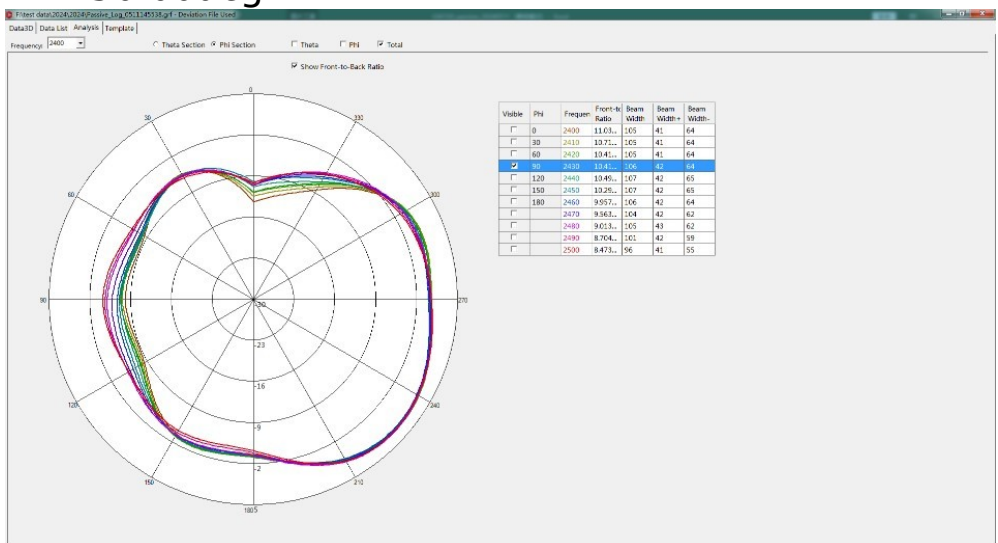
## Antenna radiation pattern: Theta=90.00deg



## Phi=0.00deg



## Phi=90.00deg



## II : 3D Active test report of antenna

| 2.4G       | Channel | TRP ( dBm ) | TIS ( dBm ) |
|------------|---------|-------------|-------------|
| free space | CH 0    | 7.8         | -92.5       |
|            | CH 39   | 7.8         | -93.2       |
|            | CH 78   | 7.4         | -92.3       |

| 2.4G     | Channel | TRP ( dBm ) | TIS ( dBm ) |
|----------|---------|-------------|-------------|
| headform | CH 0    | 5.9         | -91.4       |
|          | CH 39   | 6.0         | -91.5       |
|          | CH 78   | 5.6         | -90.8       |



OTA Standard Chambe

## III : Matching circuit



Antenna matching string 0  $\Omega$

IV : Structure file

