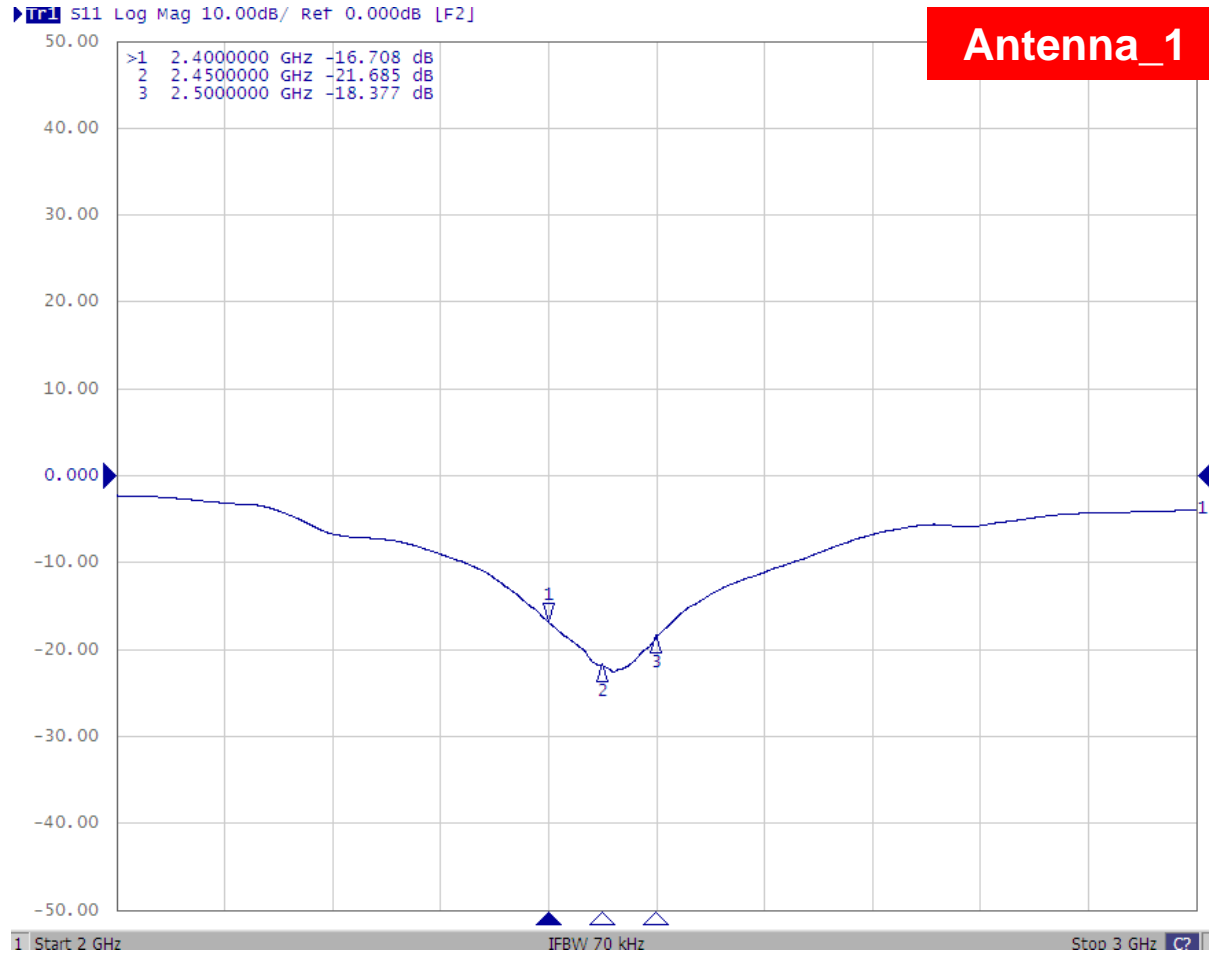


# Wyze WiFi6 Antenna Pattern

2022/1/25

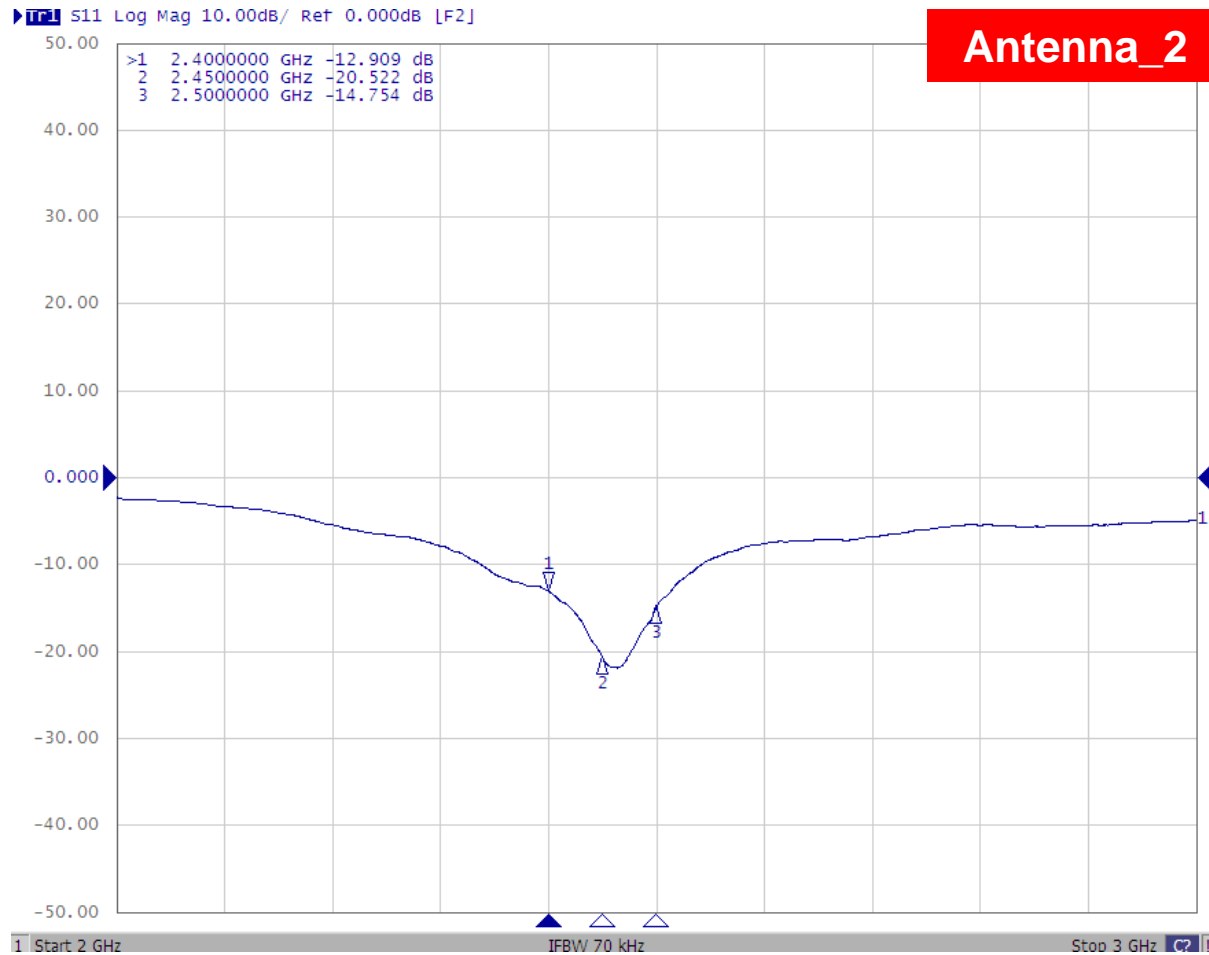
## 2. Antenna Characteristics

### 2.1 Return Loss



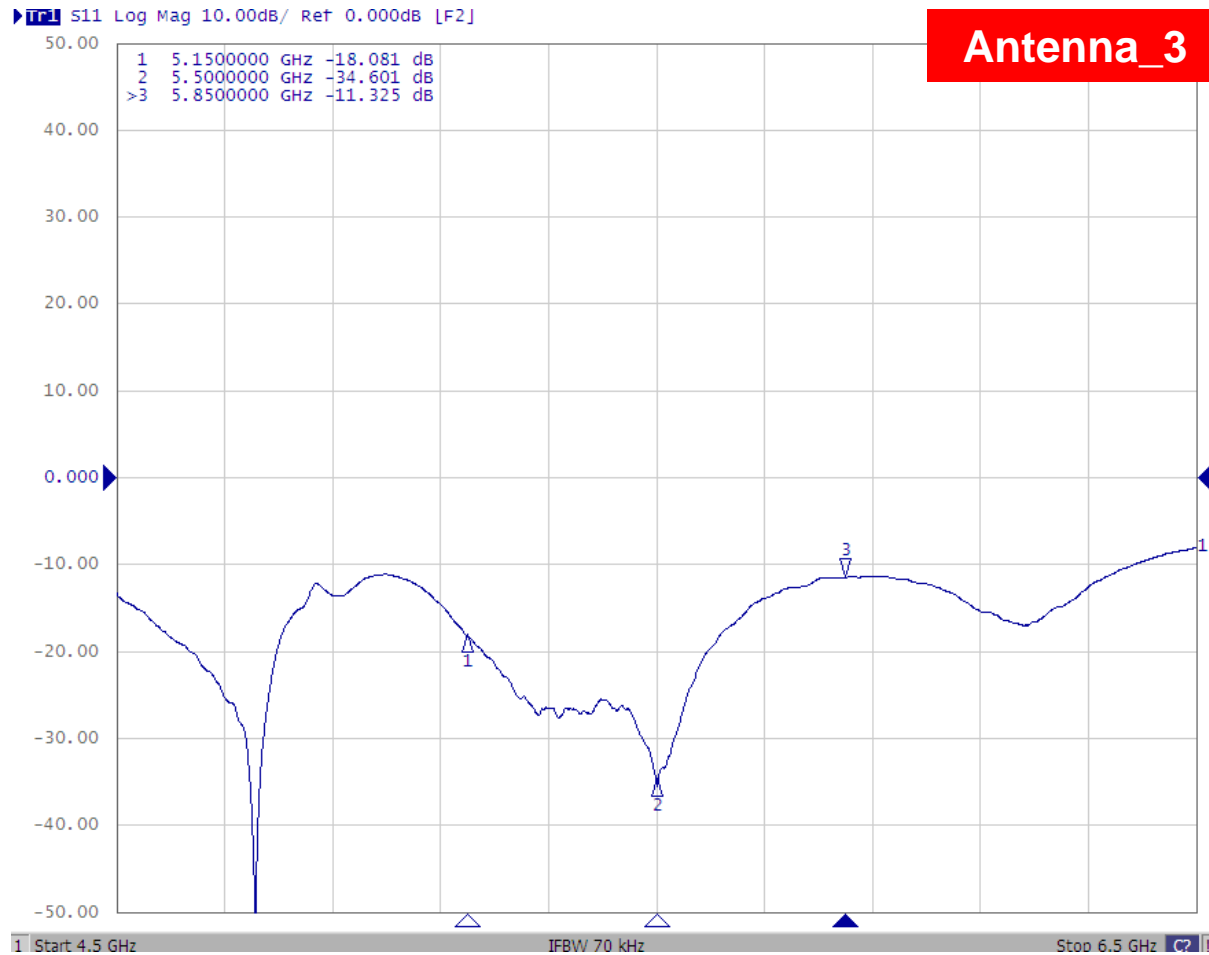
## 2. Antenna Characteristics

### 2.1 Return Loss



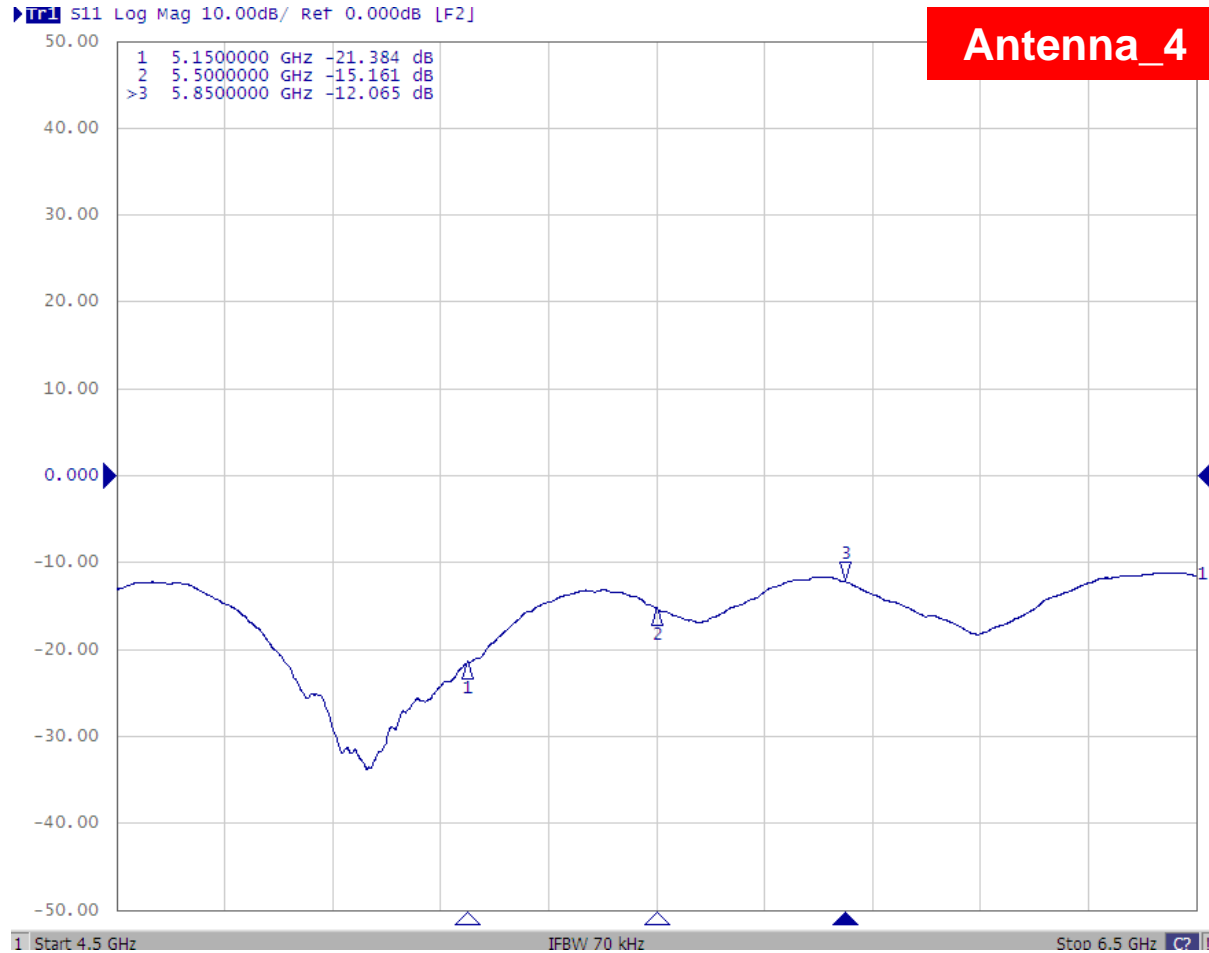
## 2. Antenna Characteristics

### 2.1 Return Loss



## 2. Antenna Characteristics

### 2.1 Return Loss



## 2. Antenna Characteristics

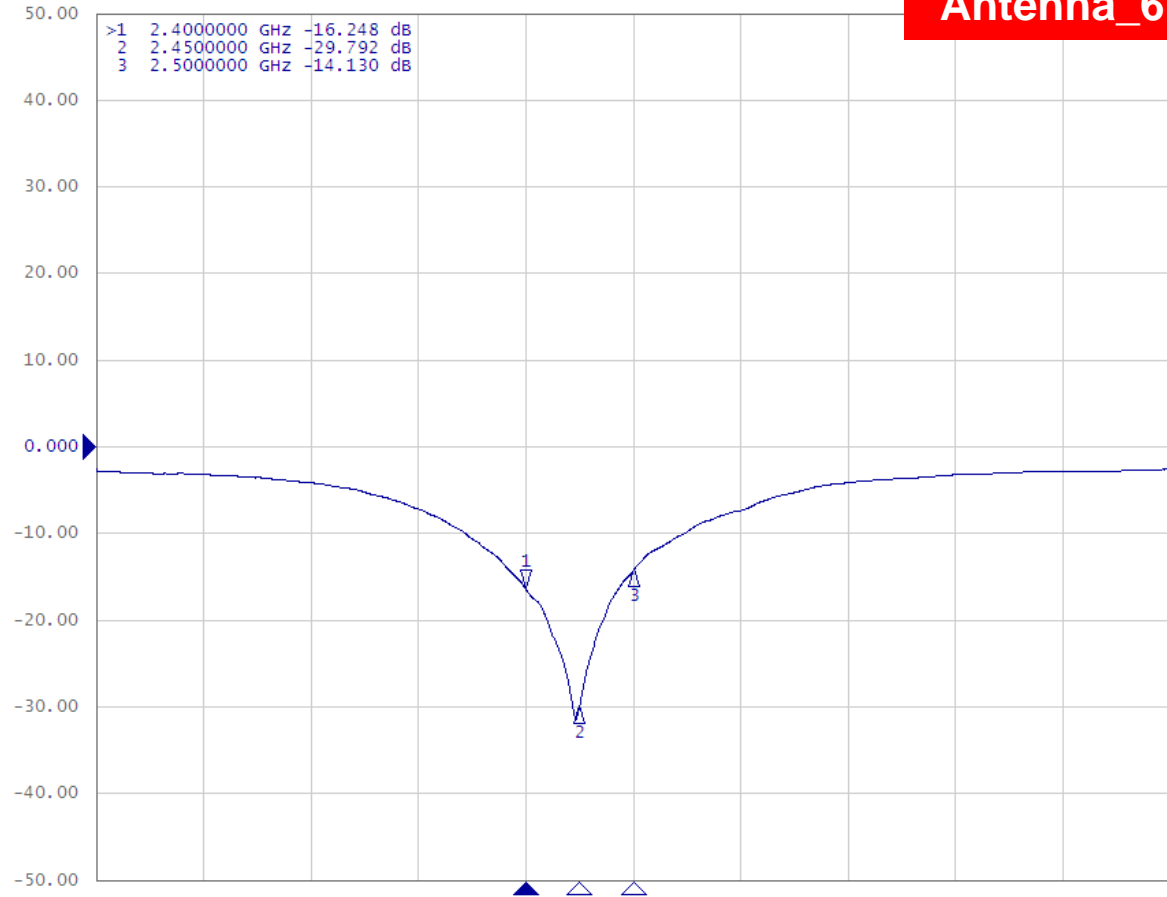
### 2.1 Return Loss



## 2. Antenna Characteristics

### 2.1 Return Loss

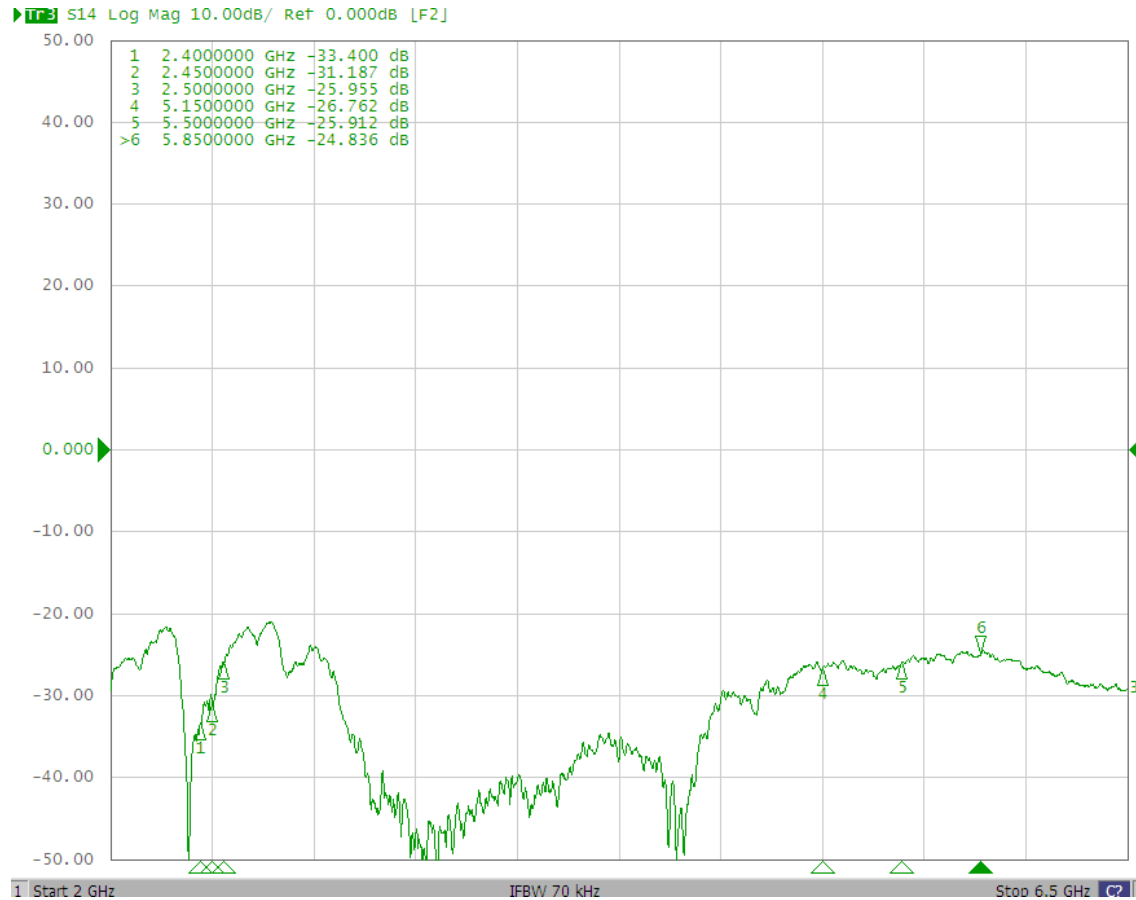
Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB [F2]



## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_1 & Antenna\_2 Isolation

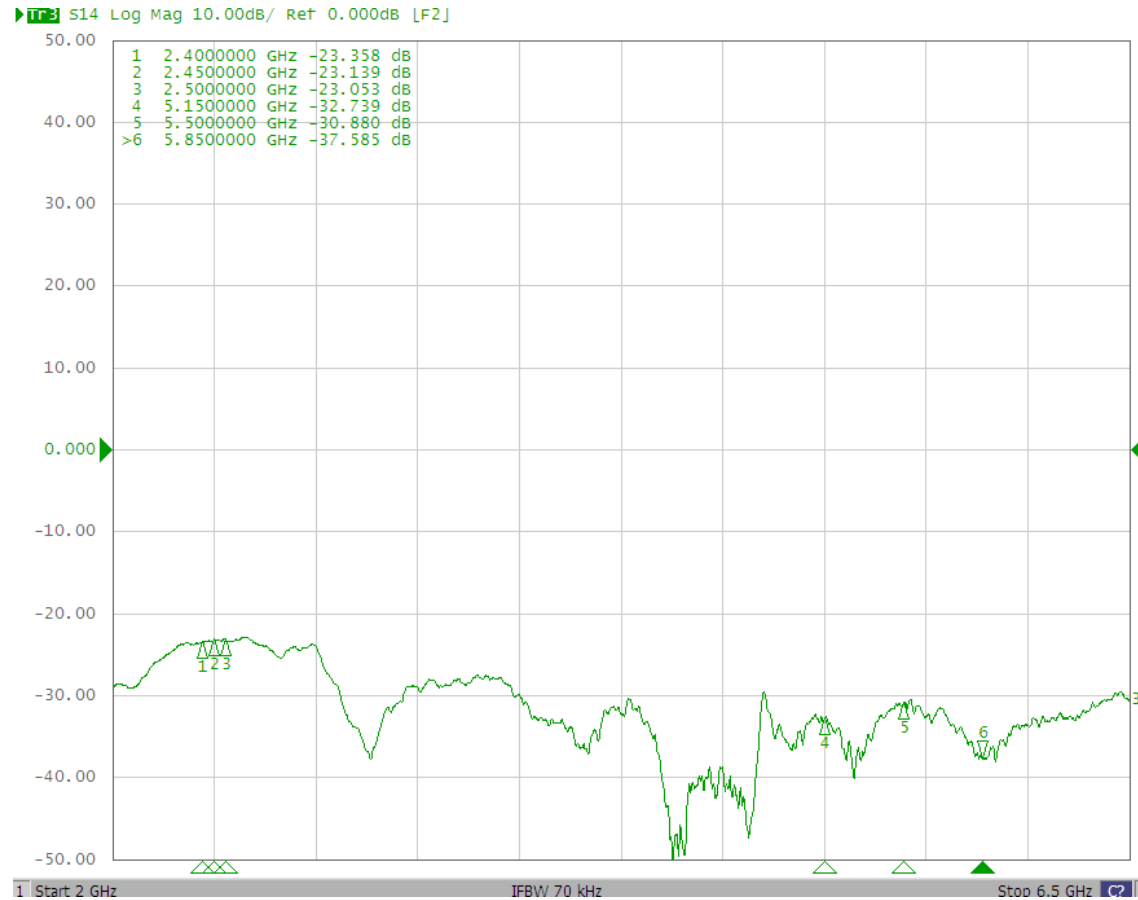




## 2. Antenna Characteristics

### 2.1 Isolation

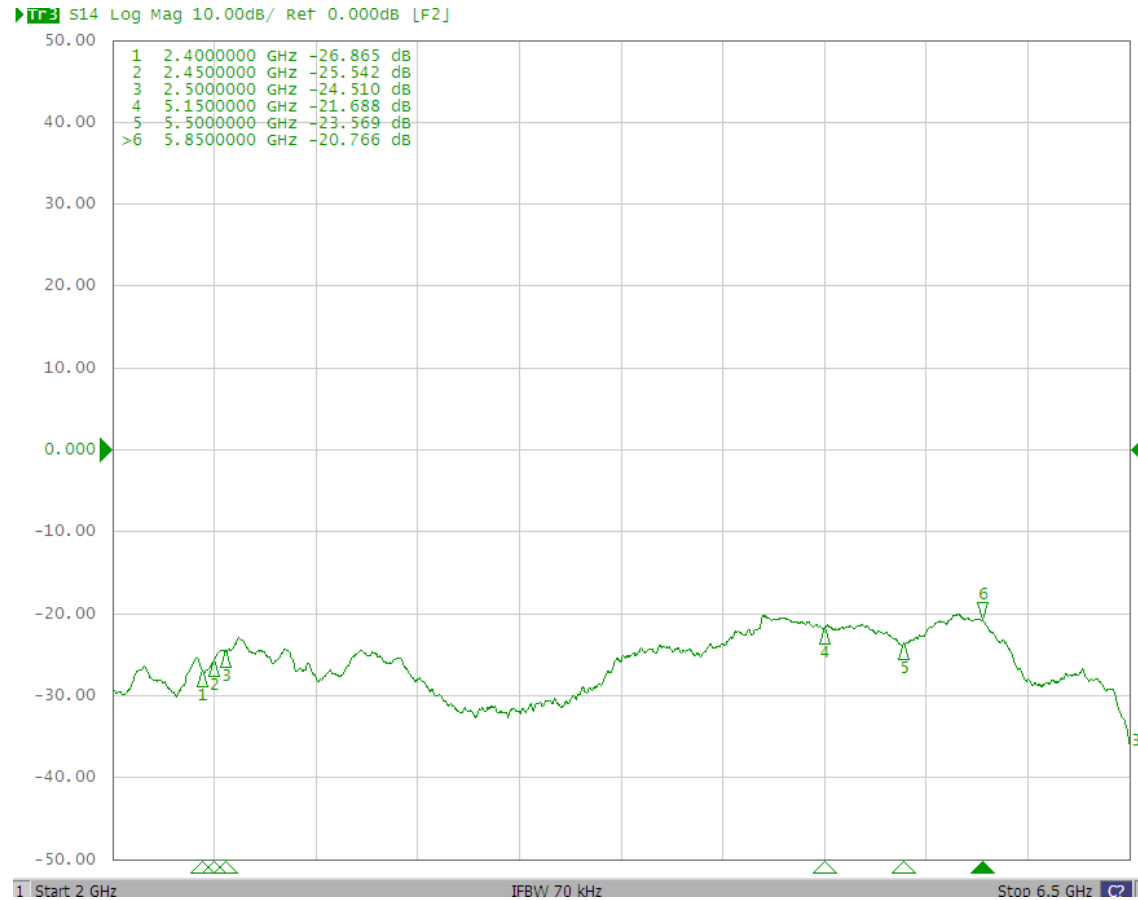
#### Antenna\_1 & Antenna\_3 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

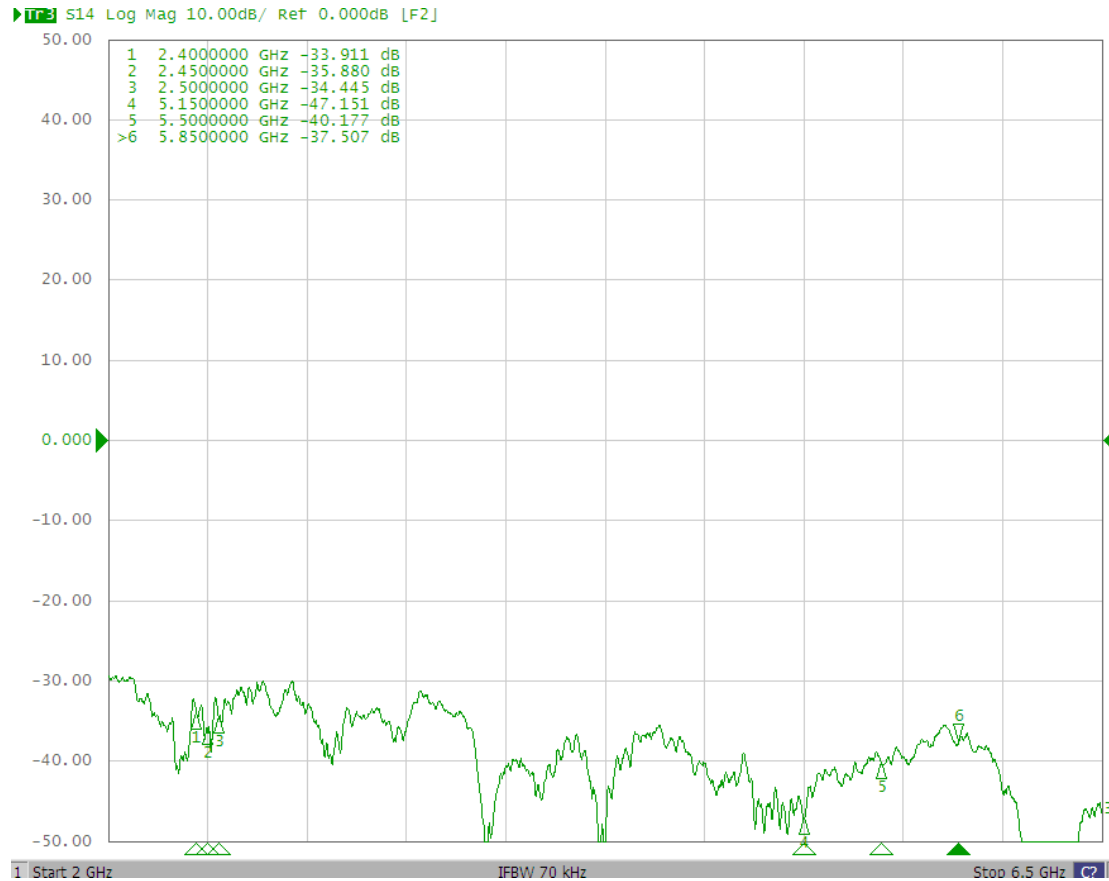
### Antenna\_1 & Antenna\_4 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

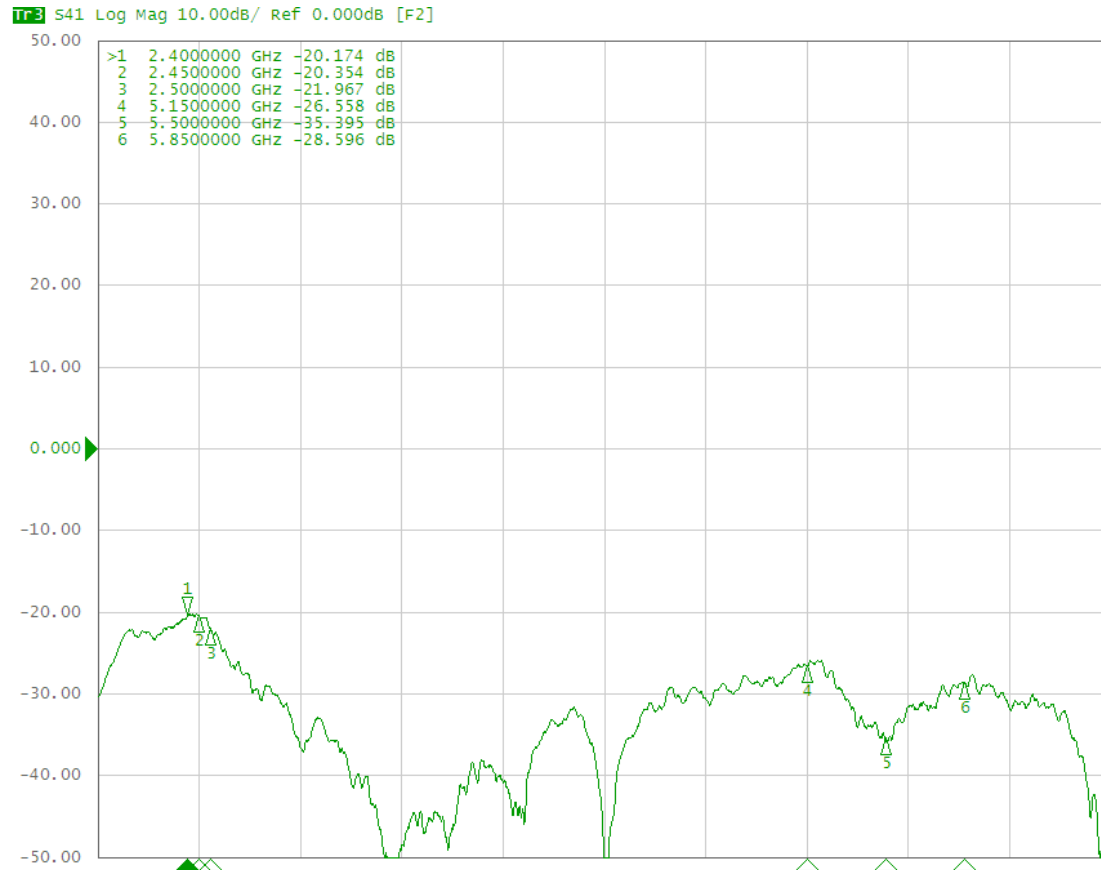
### Antenna\_1 & Antenna\_5 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

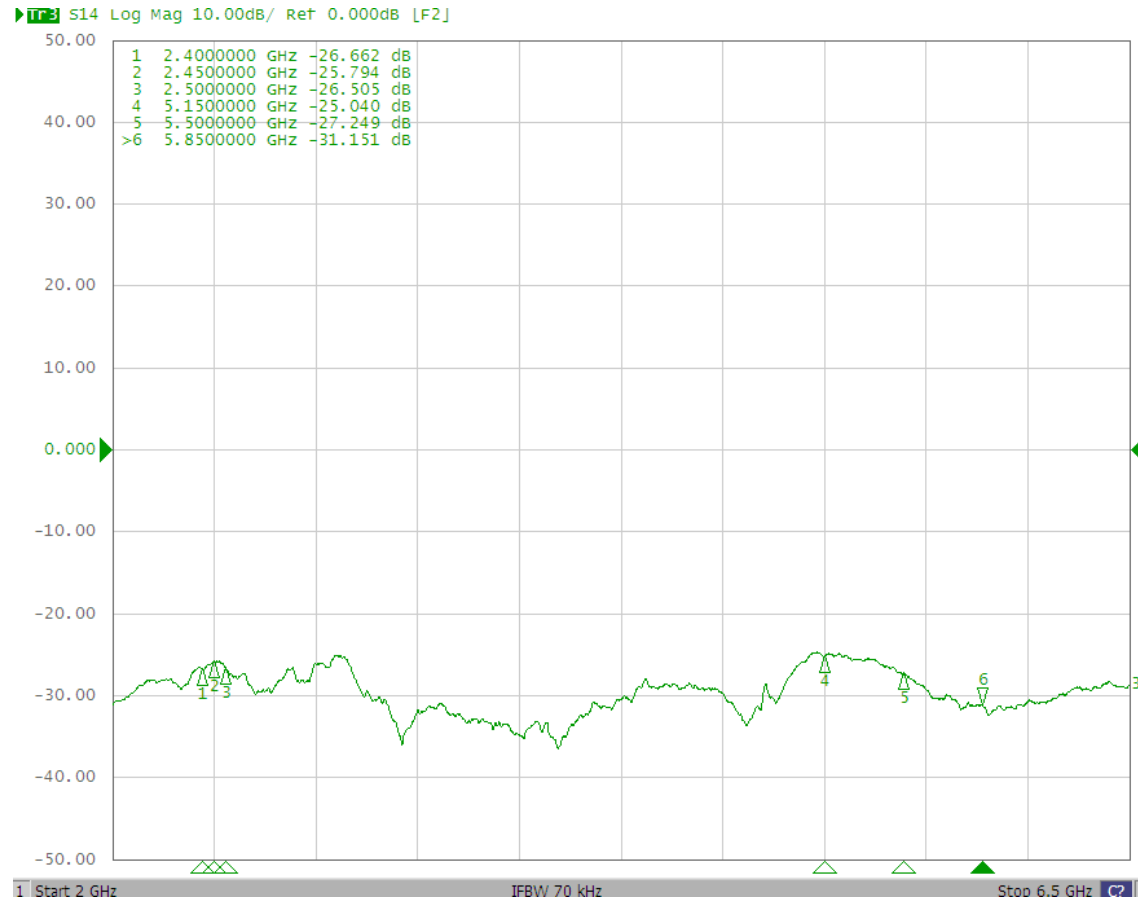
### Antenna\_1 & Antenna\_6 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

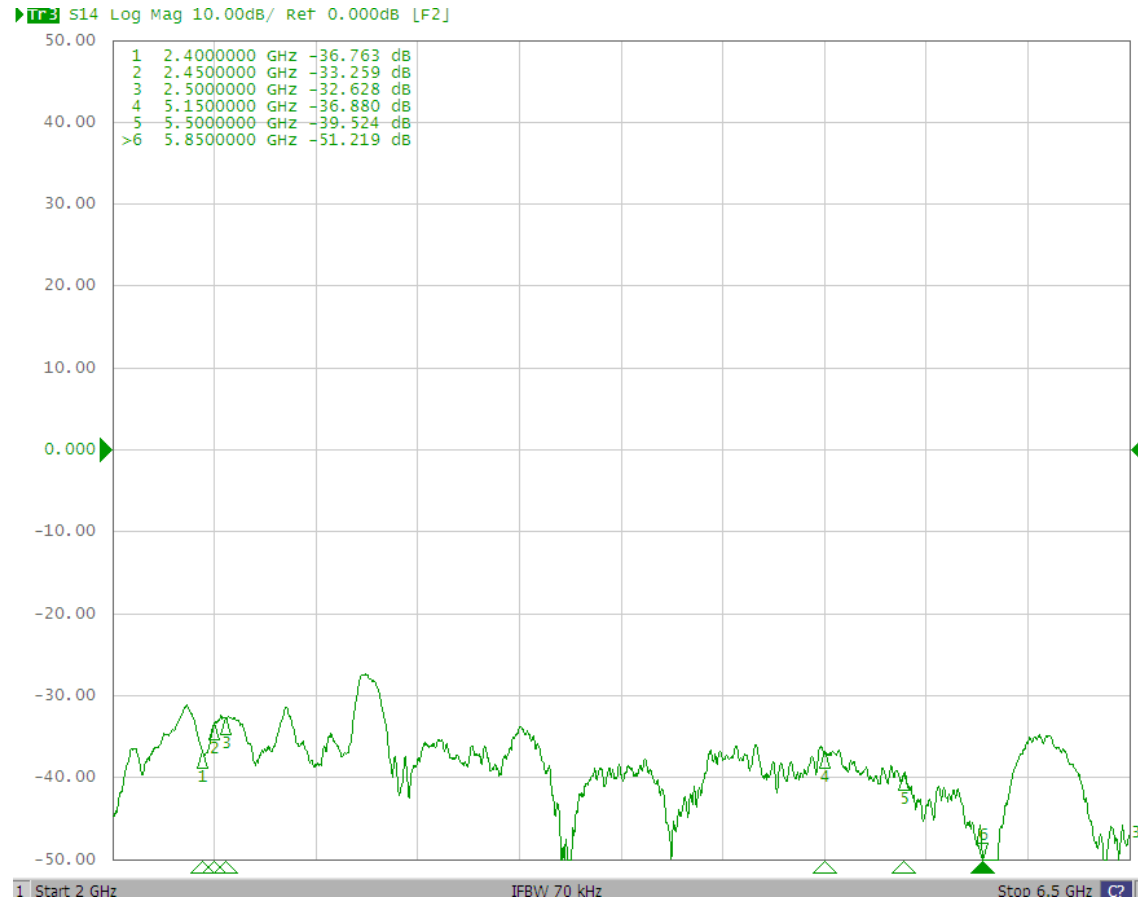
### Antenna\_2 & Antenna\_3 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

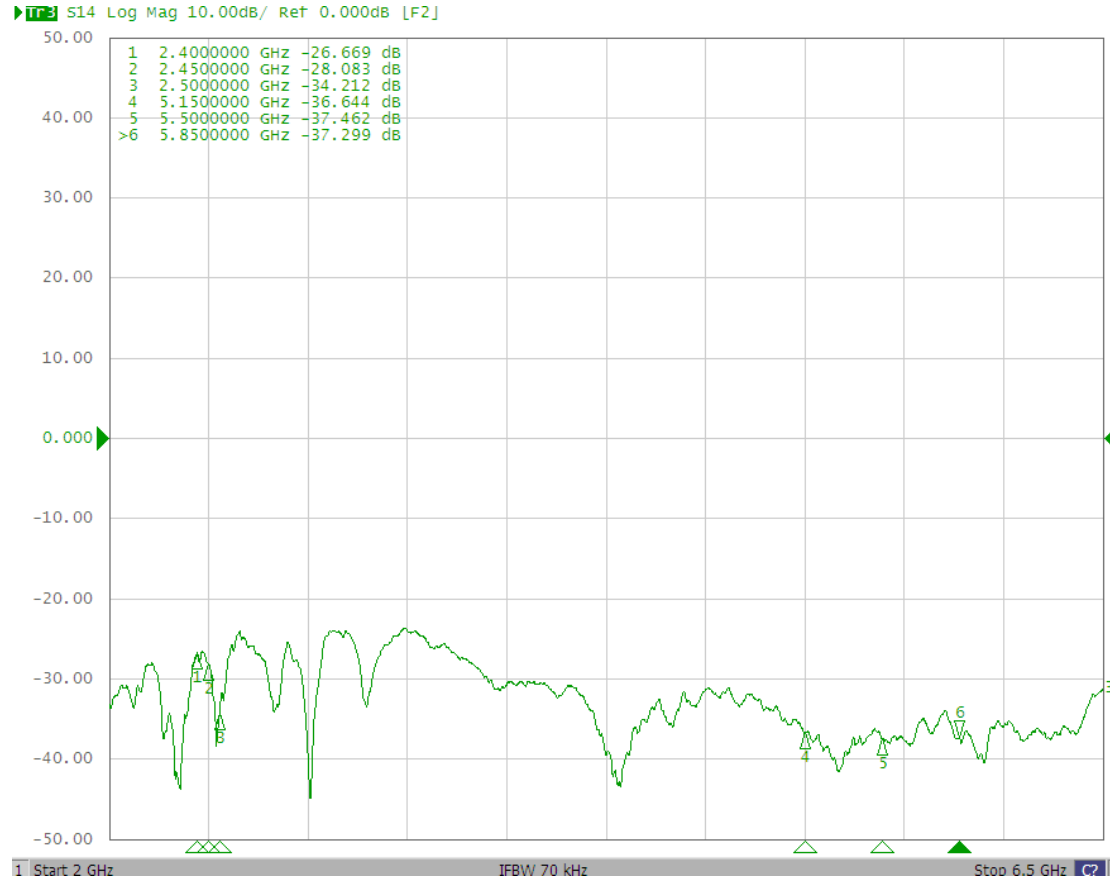
### Antenna\_2 & Antenna\_4 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_2 & Antenna\_5 Isolation

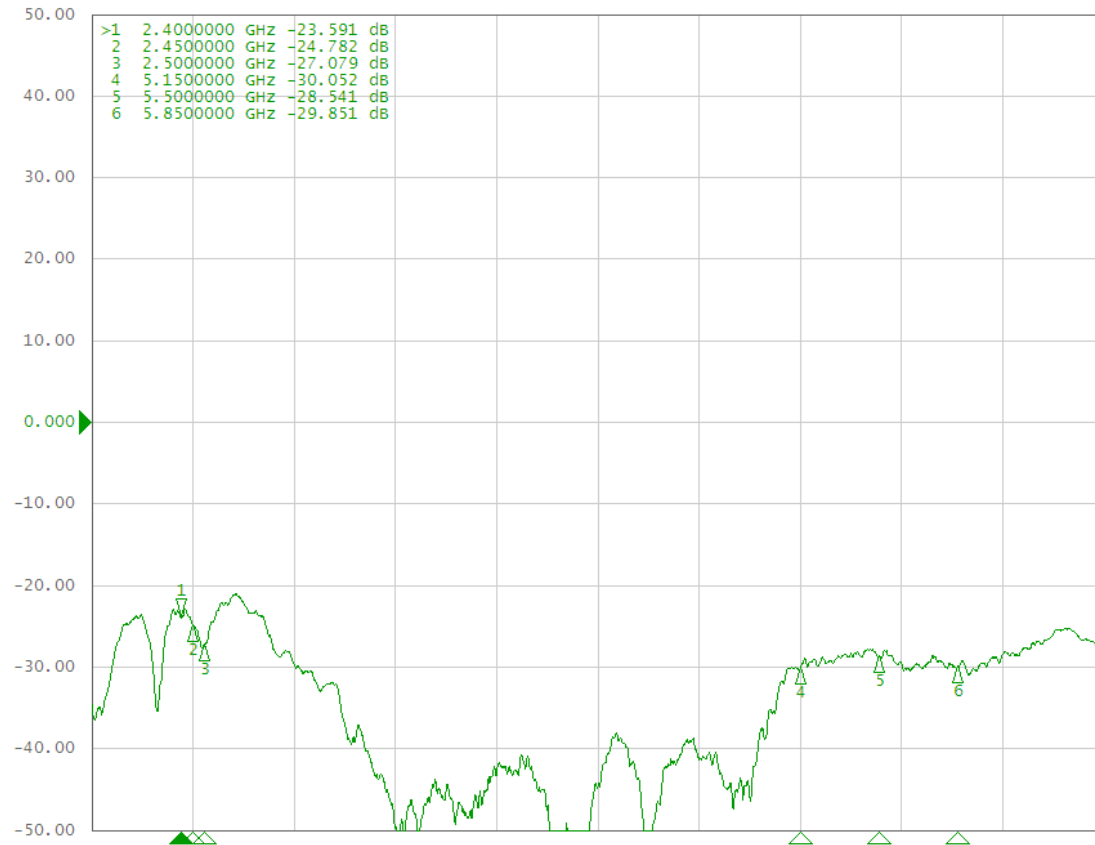


## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_2 & Antenna\_6 Isolation

Tr3 S41 Log Mag 10.00dB/ Ref 0.000dB [F2]

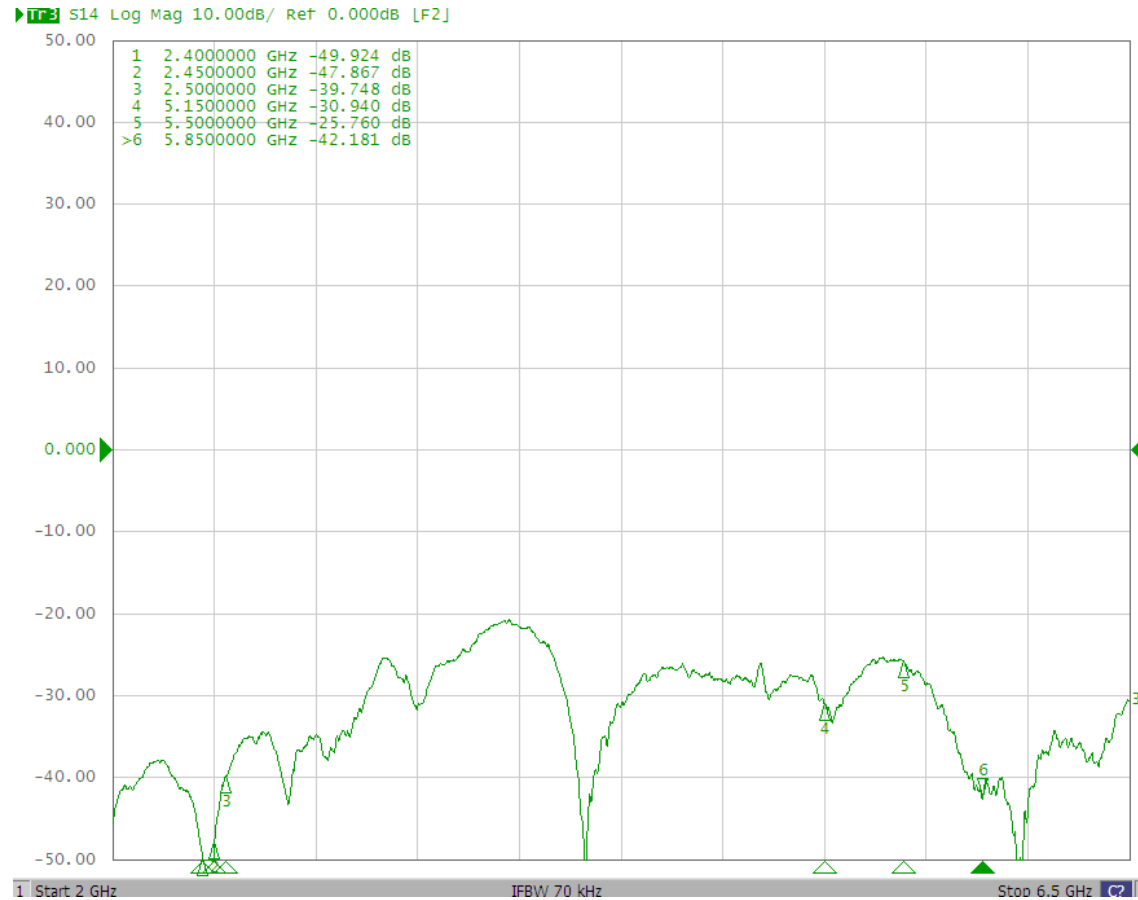




## 2. Antenna Characteristics

### 2.1 Isolation

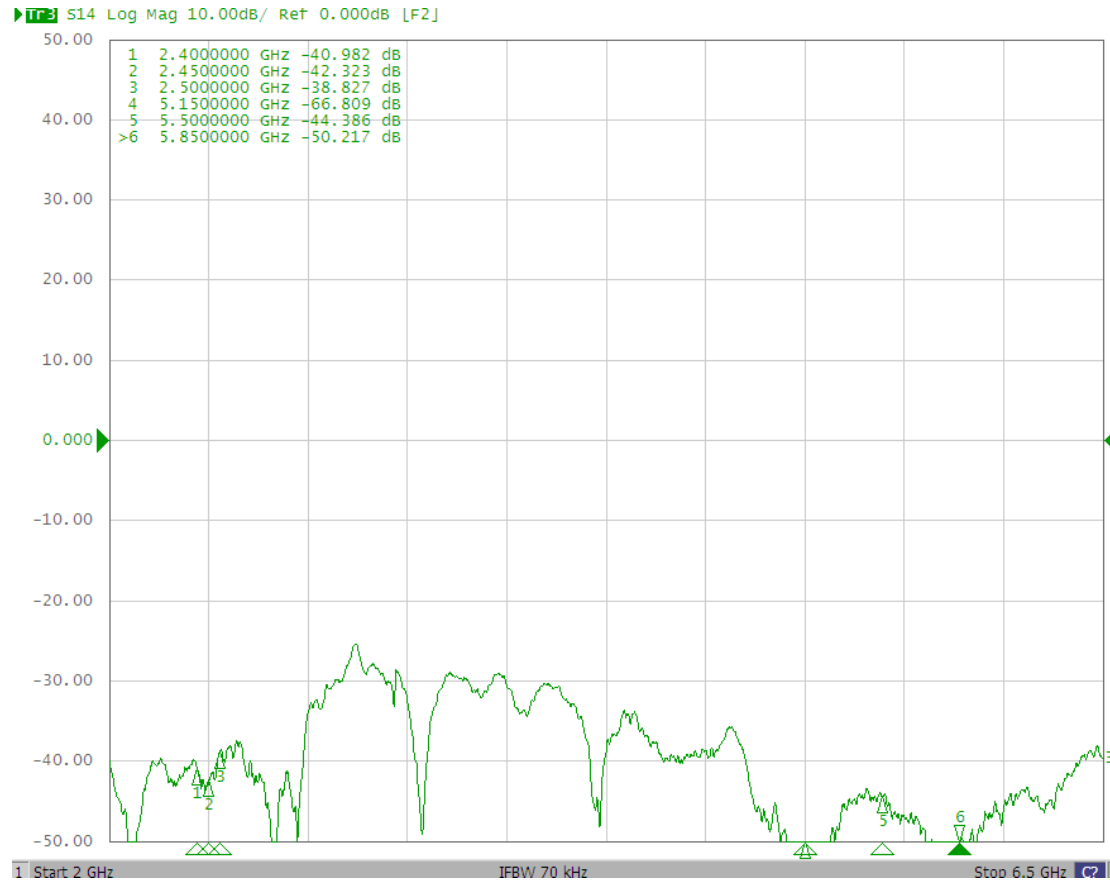
### Antenna\_3 & Antenna\_4 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_3 & Antenna\_5 Isolation



## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_3 & Antenna\_6 Isolation

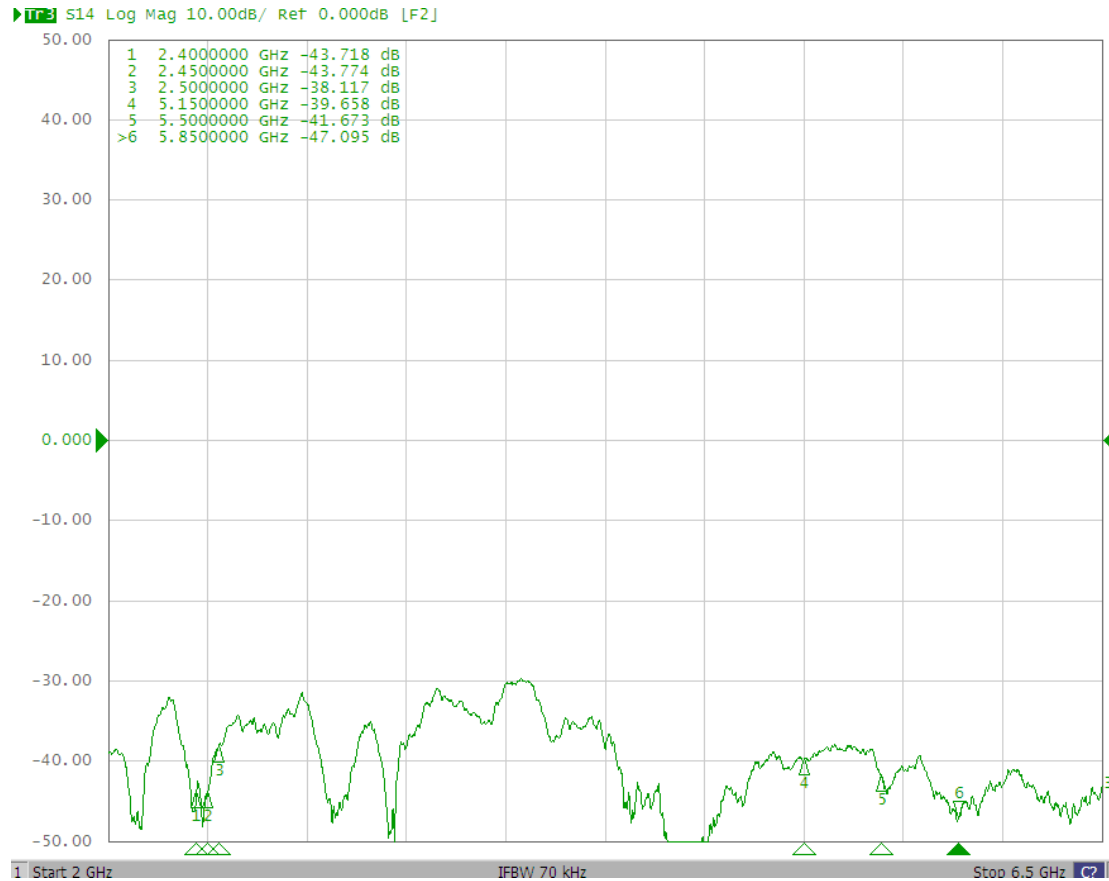
Tr3 S41 Log Mag 10.00dB/ Ref 0.000dB [F2]



## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_4 & Antenna\_5 Isolation

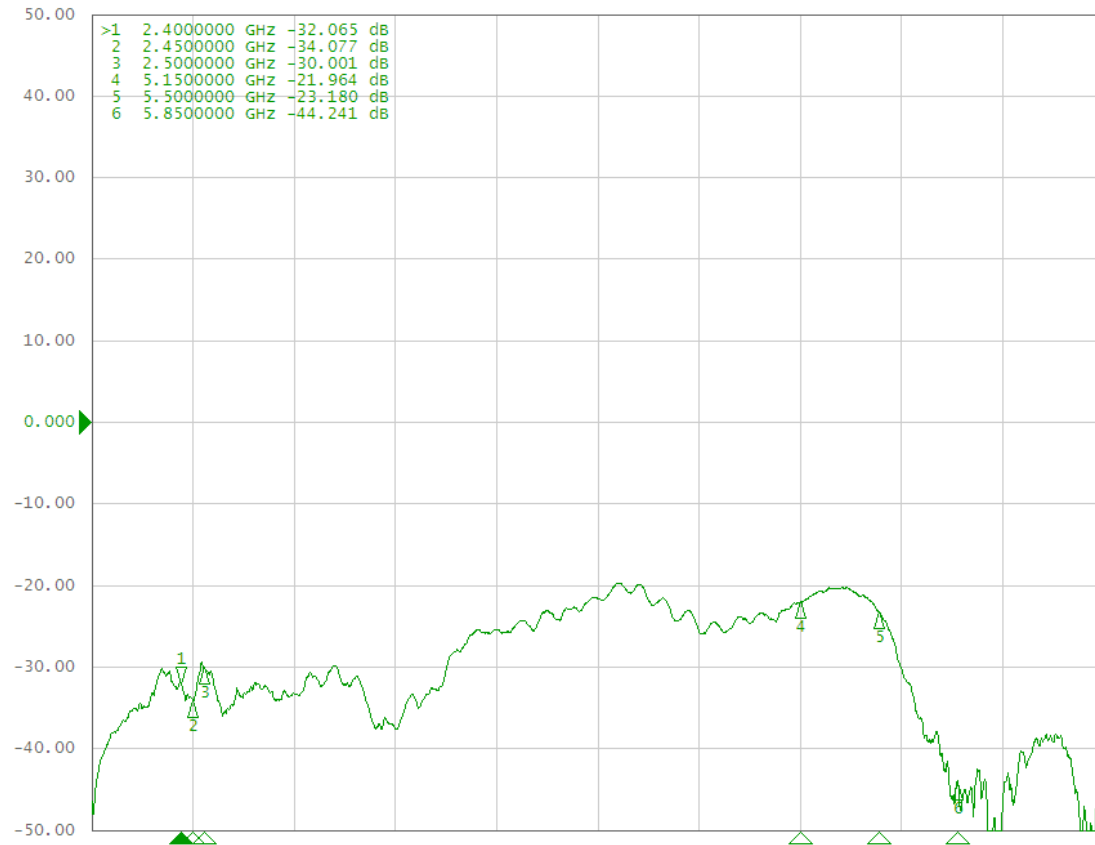


## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_4 & Antenna\_6 Isolation

Tr3 S41 Log Mag 10.00dB/ Ref 0.000dB [F2]

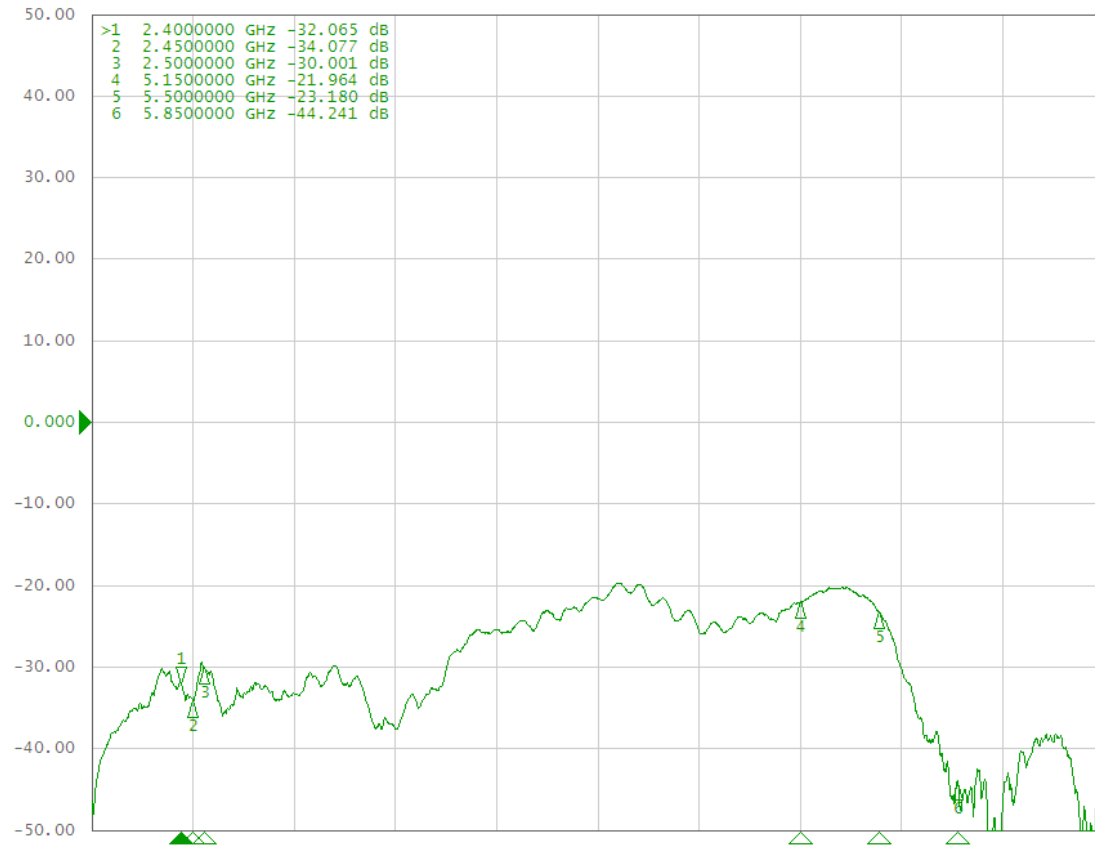


## 2. Antenna Characteristics

### 2.1 Isolation

### Antenna\_4 & Antenna\_6 Isolation

Tr3 S41 Log Mag 10.00dB/ Ref 0.000dB [F2]



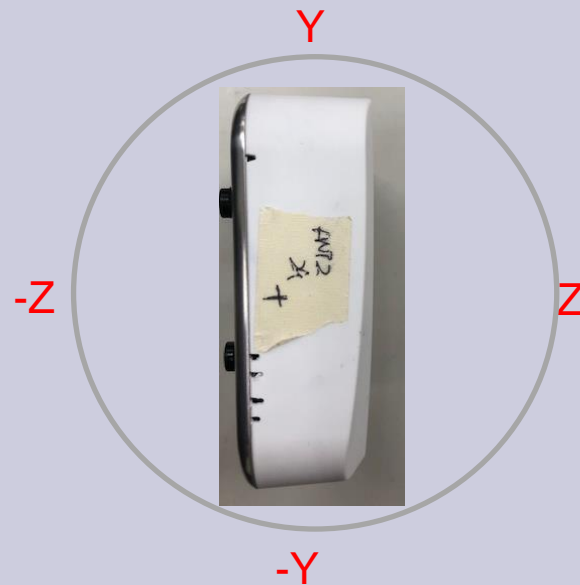
## 2. Antenna Characteristics

### 2.3 3 views of antenna

X-Z plane



Y-Z plane



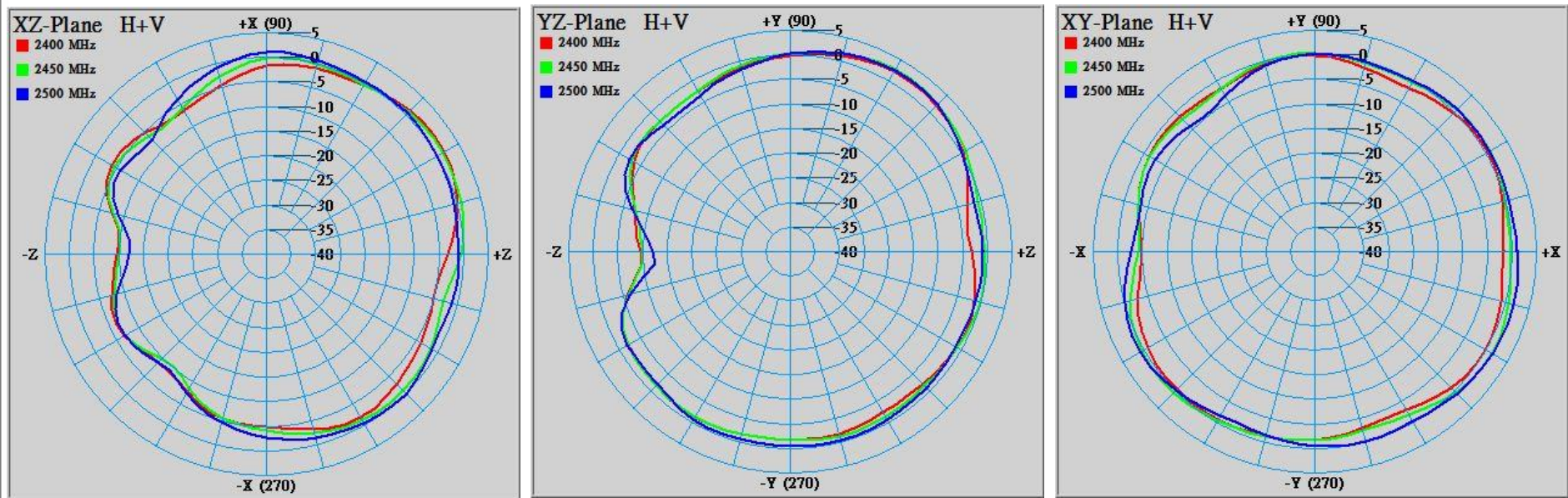
X-Y plane



## 2. Antenna Characteristics

Antenna\_1

### 2.3 2D Radiation Patterns

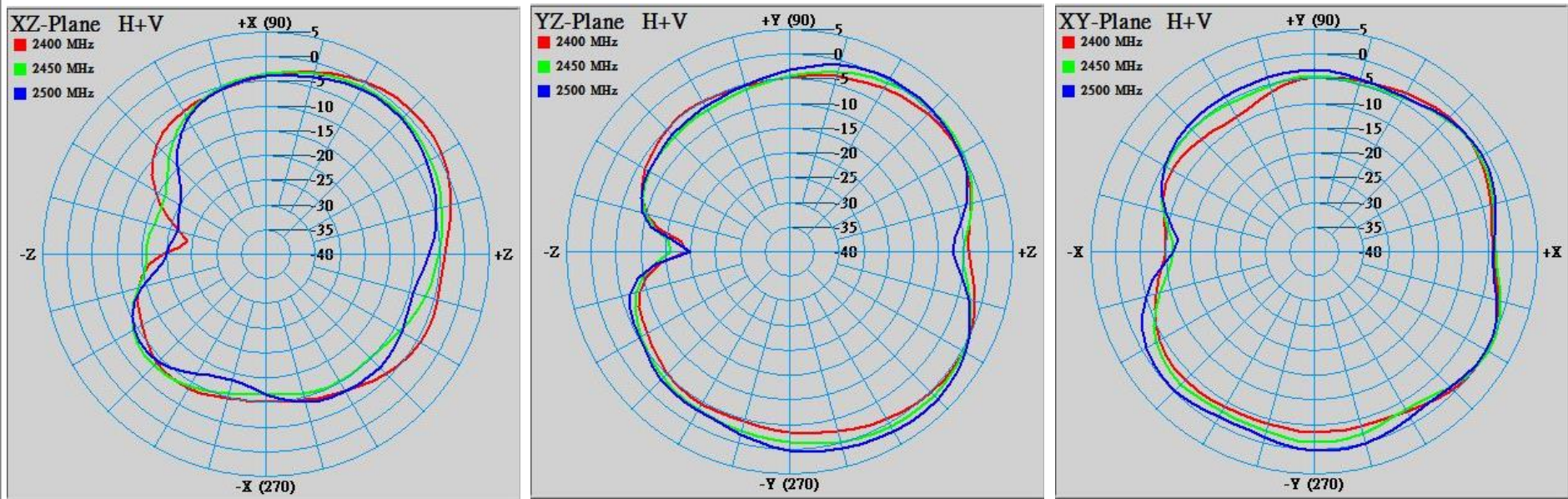




## 2. Antenna Characteristics

Antenna\_2

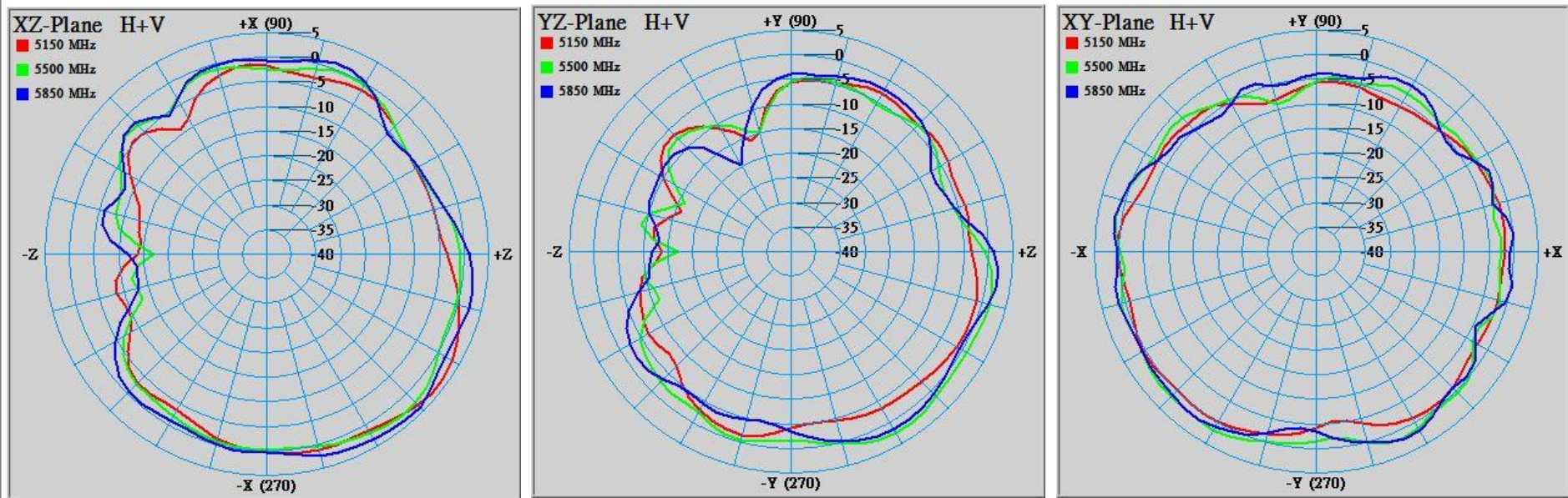
### 2.3 2D Radiation Patterns



## 2. Antenna Characteristics

Antenna\_3

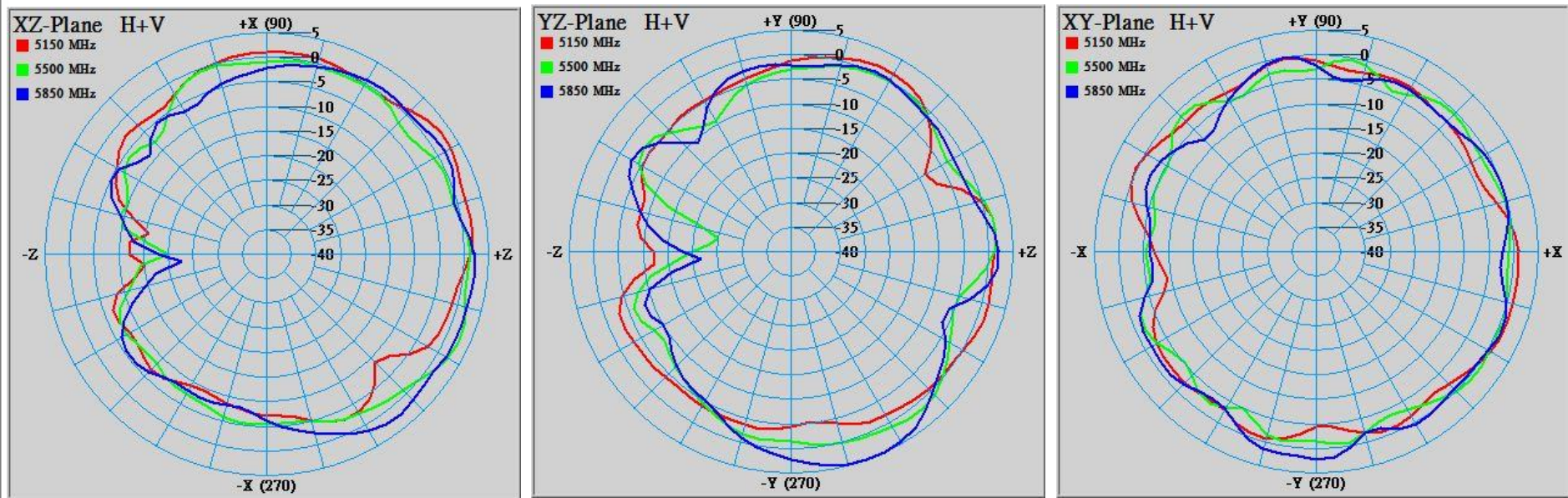
### 2.3 2D Radiation Patterns



## 2. Antenna Characteristics

Antenna\_4

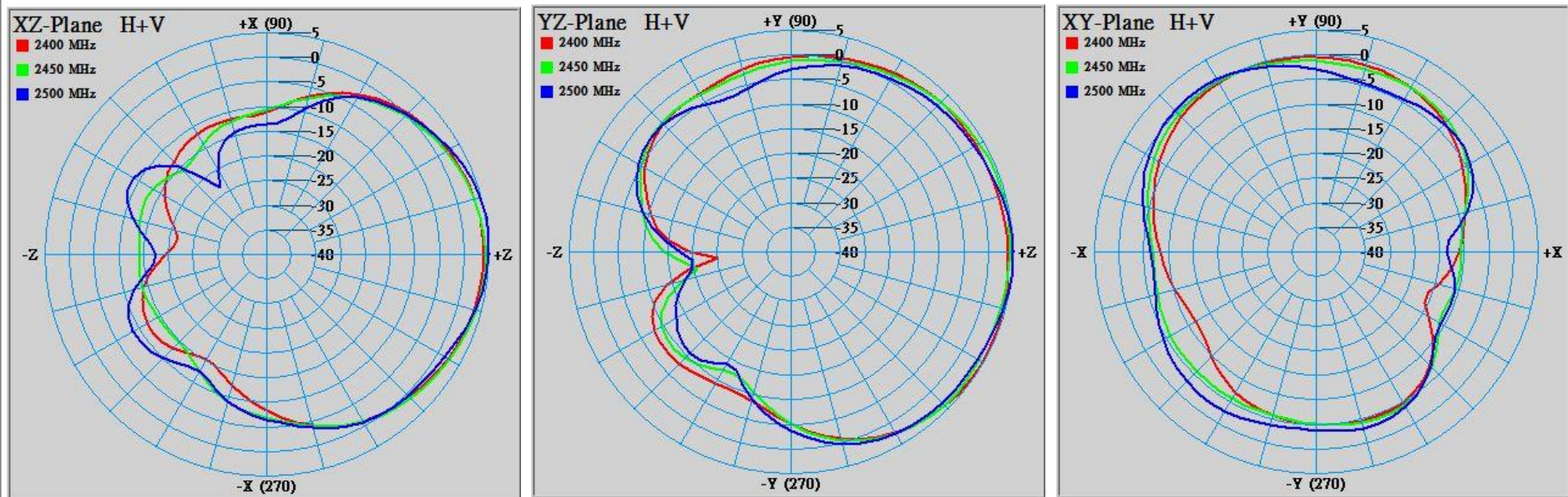
### 2.3 2D Radiation Patterns



## 2. Antenna Characteristics

Antenna\_5

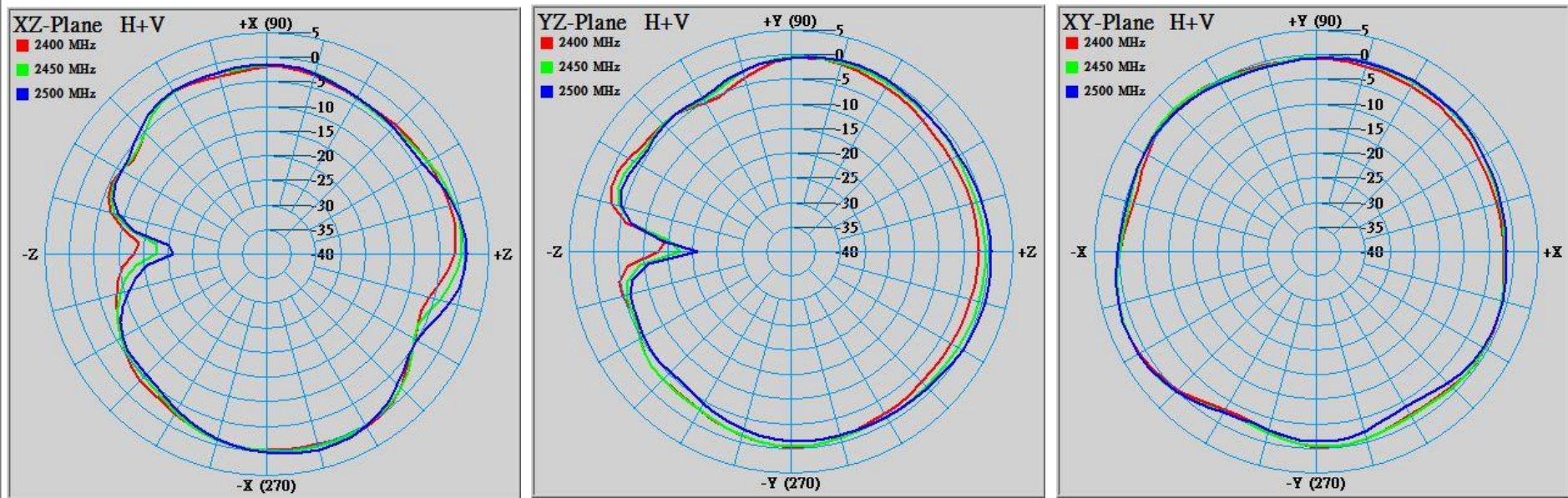
### 2.3 2D Radiation Patterns



## 2. Antenna Characteristics

Antenna\_6

### 2.3 2D Radiation Patterns



### 3. Summary

- The performance of antennas is shown in table

	Antenna_1	Antenna_2	Antenna_3	Antenna_4	Antenna_5	Antenna_6
Maximum Efficiency (%)	69.33	68.9	70.36	73.3	70.5	69.57
Maximum Gain (dBi)	3.22	3.25	4.23	3.87	3.24	2.14