

アンテナ特性データ

— 2.4GHzラジコン用アンテナ —

Antenna Characteristics Data

—Using for the antenna of 2.4GHz radio-controlled devices—

Antenna No. : ANTB24-104A0
Antenna Type : SLEEVE ANTENNA

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承認	検認	担当
清藤		小幡

I. 測定内容 The content of measurement:

- ・アンテナ : 試作 真鍮切削チューブ使用 アンテナ
 Antenna: No.1 - No.3 Antenna sample NO.1-No.3
- ・測定周波数 : 2400 MHz
 Measuring Frequency : 2450 MHz
 2500 MHz
- ・測定項目 : VSWR
 Measuring Items 最大利得 Maximum Gain
 指向特性 Antenna Radiation Pattern
- ・測定日 : 2019年 4月 4日
 Measuring Date:

II. 試作アンテナ The Picture of Antenna Sample



III. VSWR

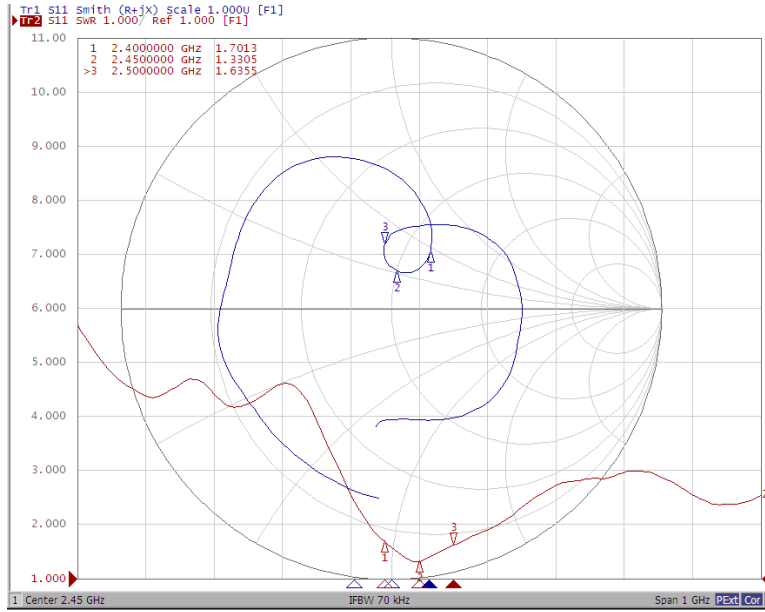
Antenna Frequency (MHz)

		周波数 (MHz)		
		2400	2450	2500
VSWR	No1	1.7	1.3	1.6
	No2	1.9	1.4	1.7
	No3	1.9	1.4	1.7

Ⅲ. VSWR

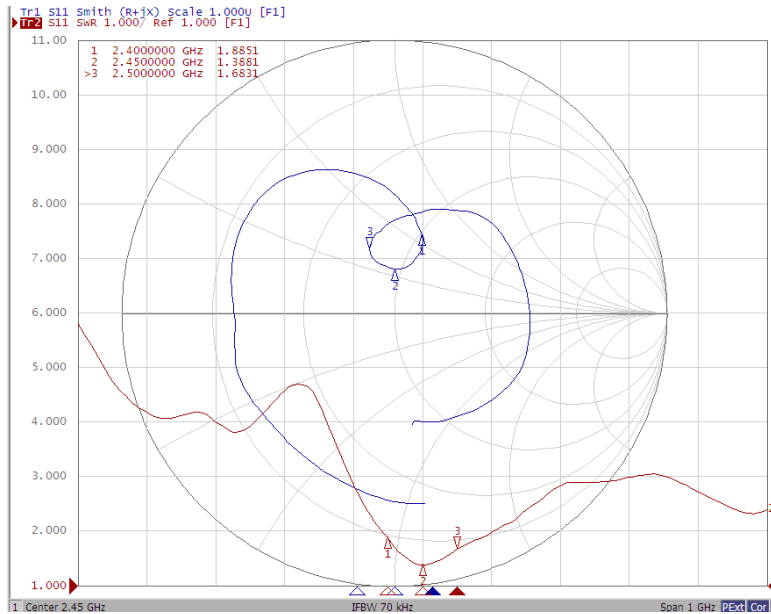
試作 No.1

Sample1:



試作 No.2

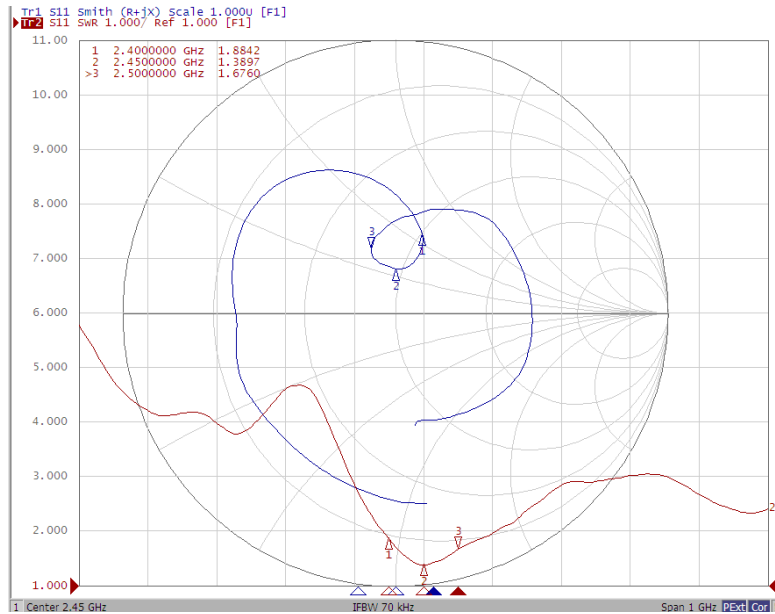
Sample2:



Ⅲ. VSWR

試作 No.3

Sample3:



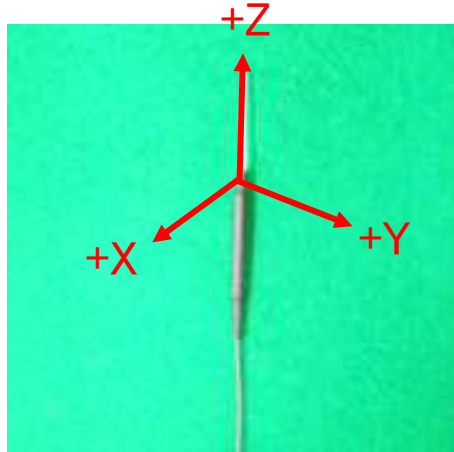
Ⅳ. 最大利得

Maximum Gain:

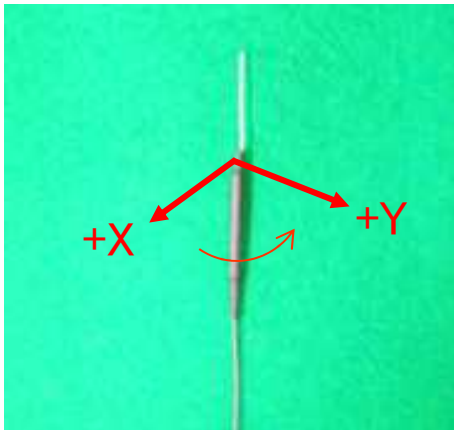
		Number of sample		Frequency (MHz)		
		サンプル		周波数 (MHz)		
			2400	2450	2500	
The Maximum Gain [dBi]	最大利得 [dBi]	No.1	1.56	1.93	1.50	
		No.2	1.40	2.10	1.87	
		No.3	1.35	1.91	1.48	

V. 測定座標軸 The coordinates of antenna:

◎ 測定軸 Measuring Coordinate Axes:

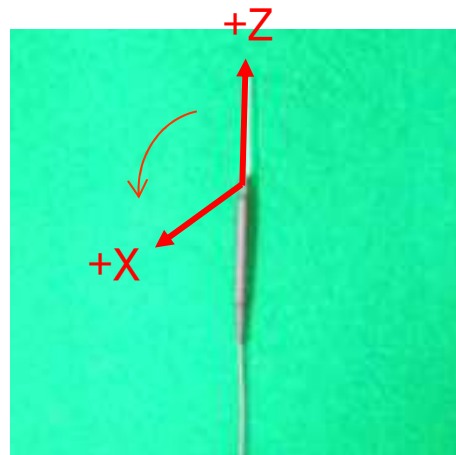


◎ 測定方向図 Measuring Directional Pattern:



X - Y 軸

X - Y axis



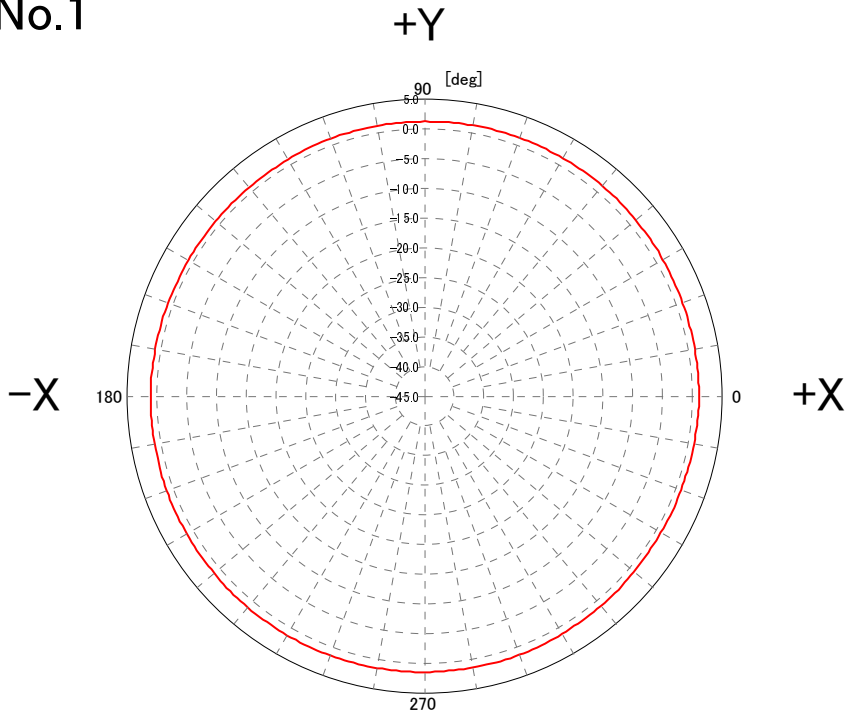
Z - X 軸

Z - X axis

VI. 指向特性

Antenna Radiation Pattern:

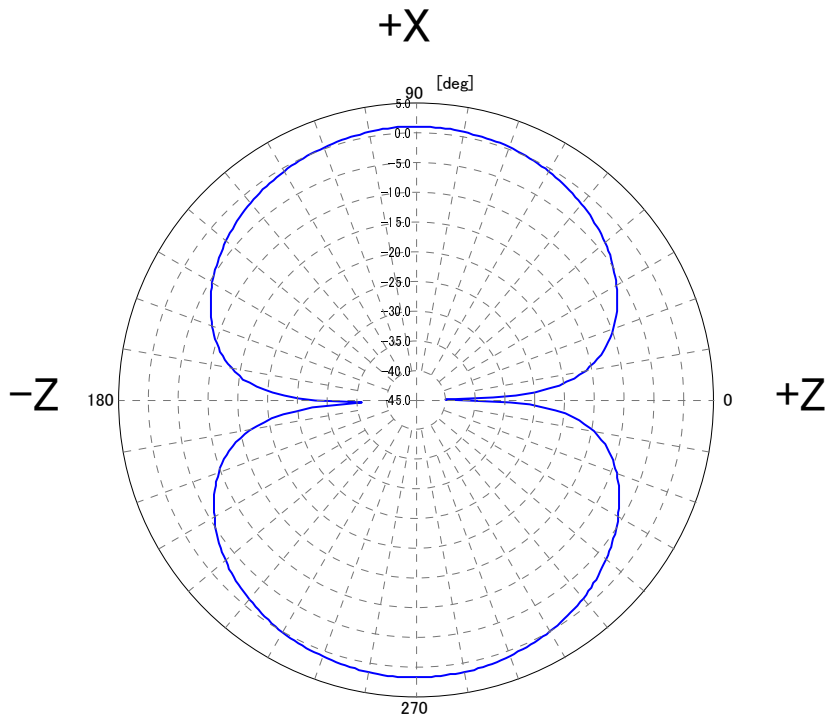
◆ No.1



-Y

2400MHz / X-Y面

X-Y Face



-X

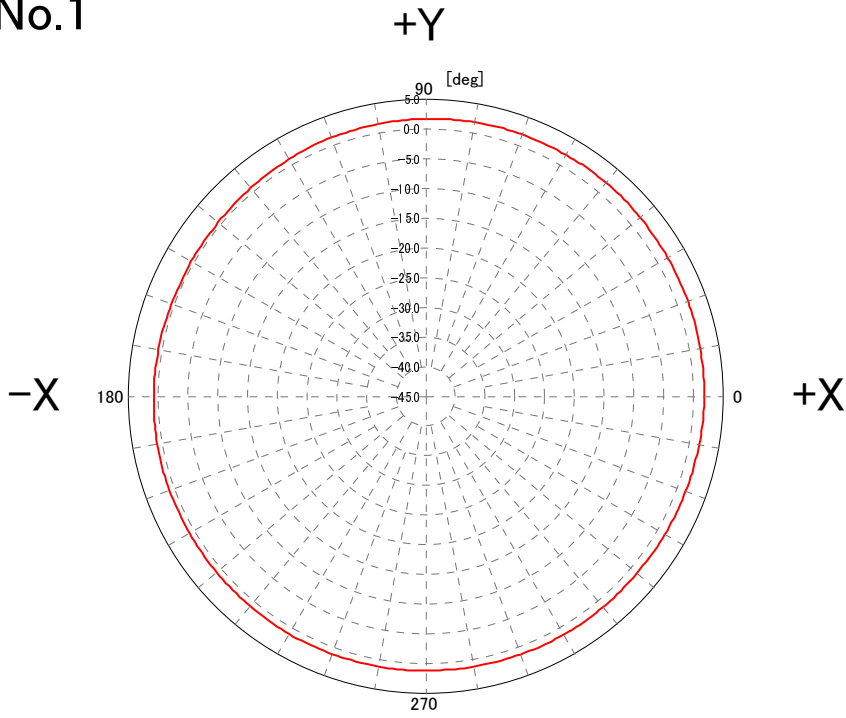
2400MHz / Z-X面

Z-X Face

VI. 指向特性

Antenna Radiation Pattern:

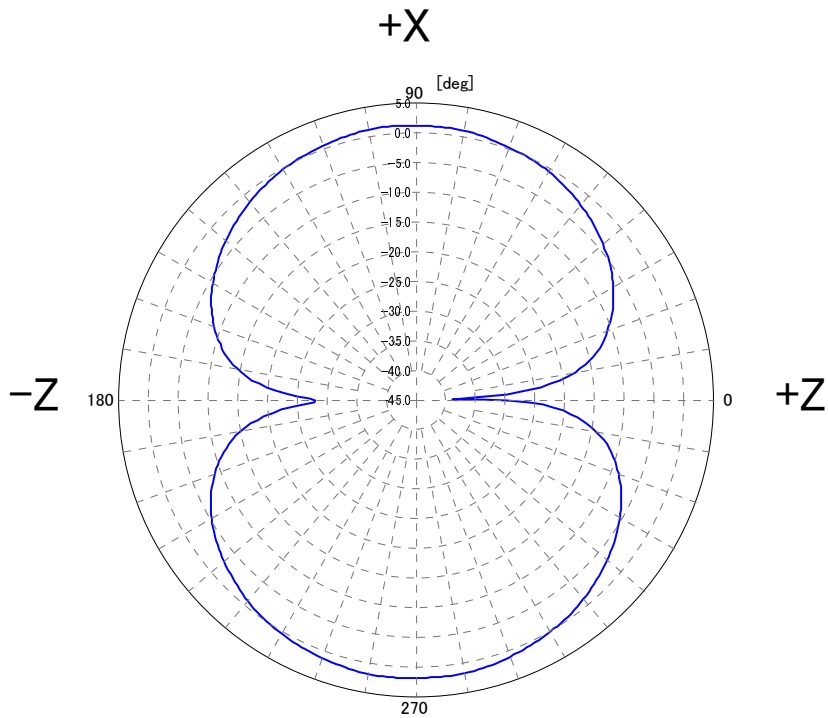
◆ No.1



-Y

2450MHz / X-Y面

X-Y Face



-X

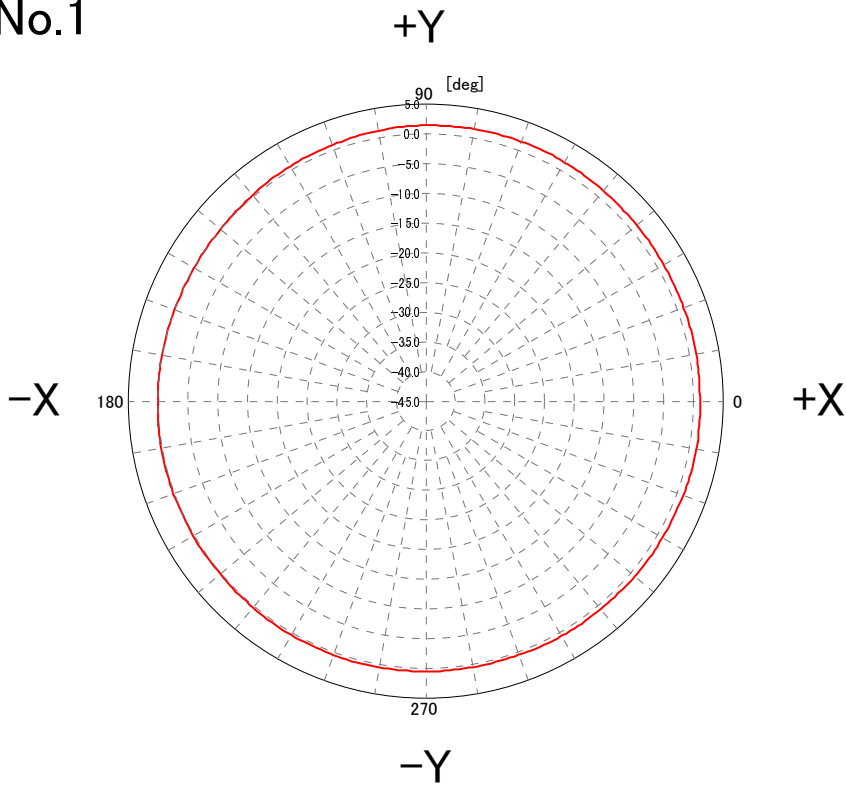
2450MHz / Z-X面

Z-X Face

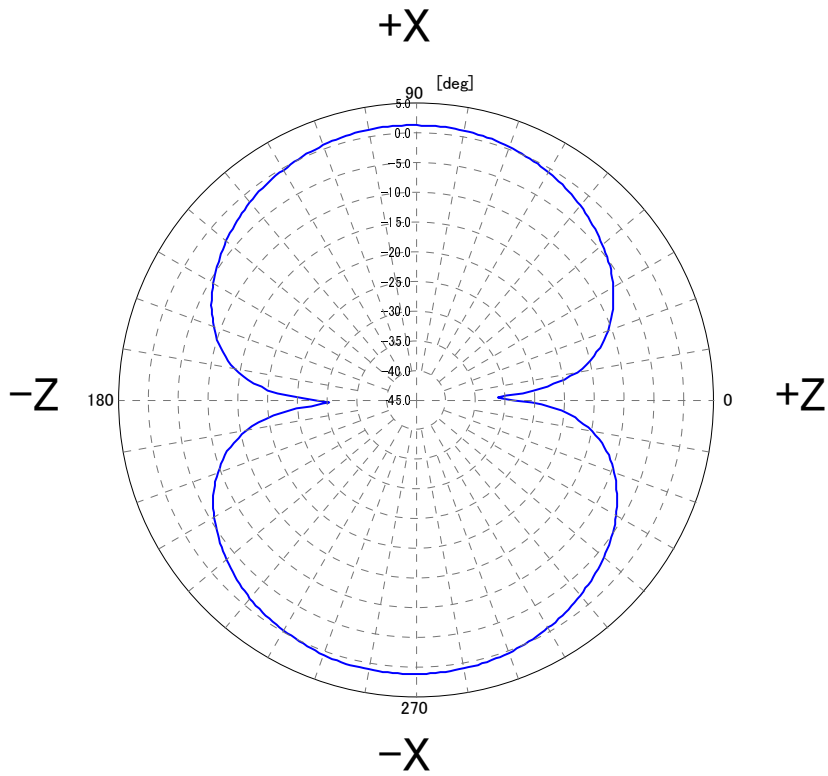
VI. 指向特性

Antenna Radiation Pattern:

◆ No.1



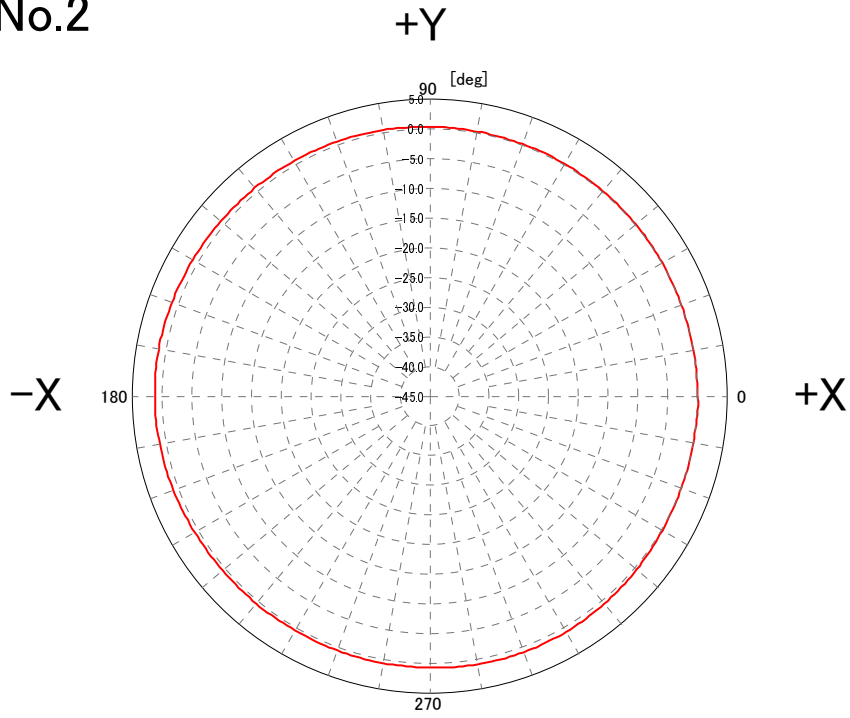
2500MHz / X-Y面 X-Y Face



2500MHz / Z-X面 Z-X Face

VI. 指向特性 Antenna Radiation Pattern:

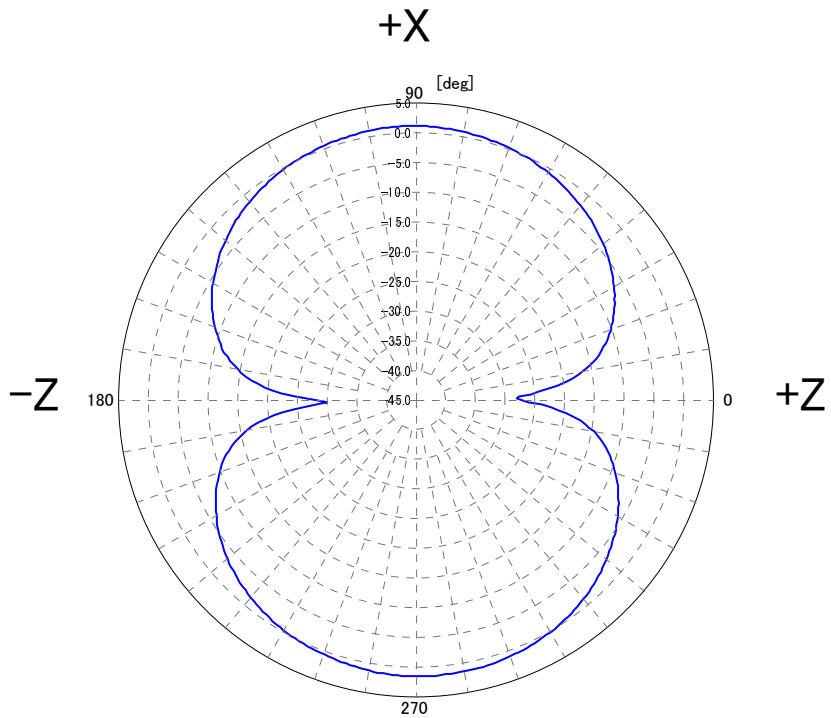
◆ No.2



-Y

2400MHz / X-Y面

X-Y Face



-X

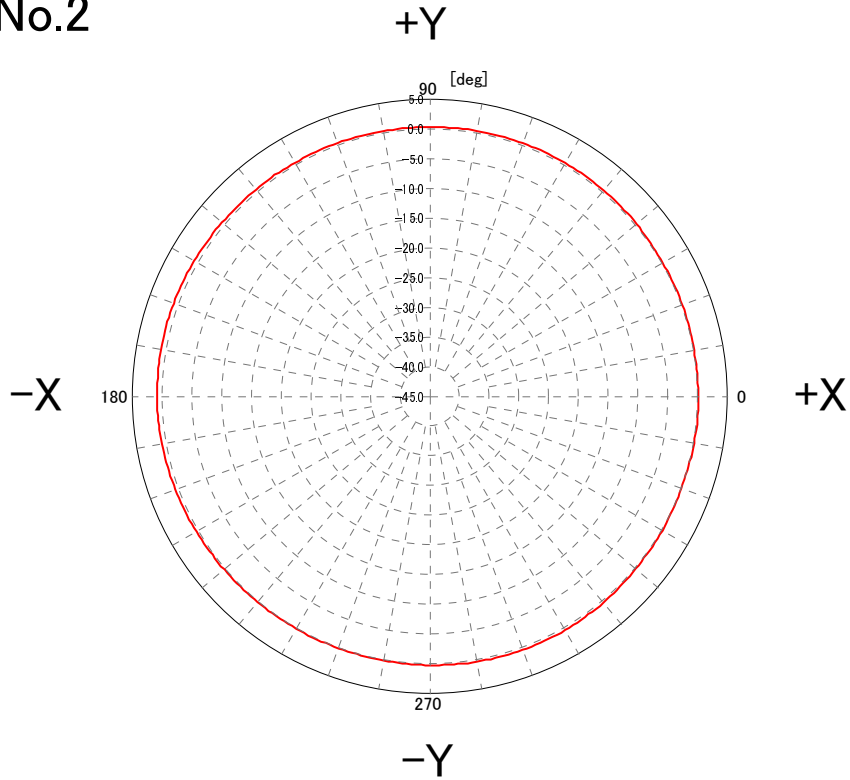
2400MHz / Z-X面

Z-X Face

VI. 指向特性

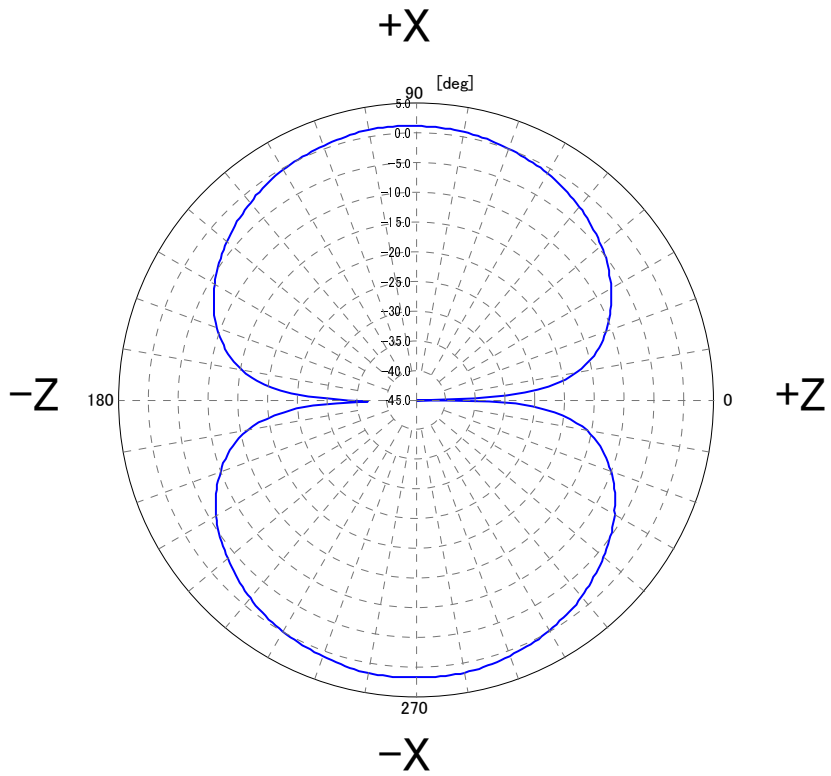
Antenna Radiation Pattern:

◆ No.2



2450MHz / X-Y面

X-Y Face

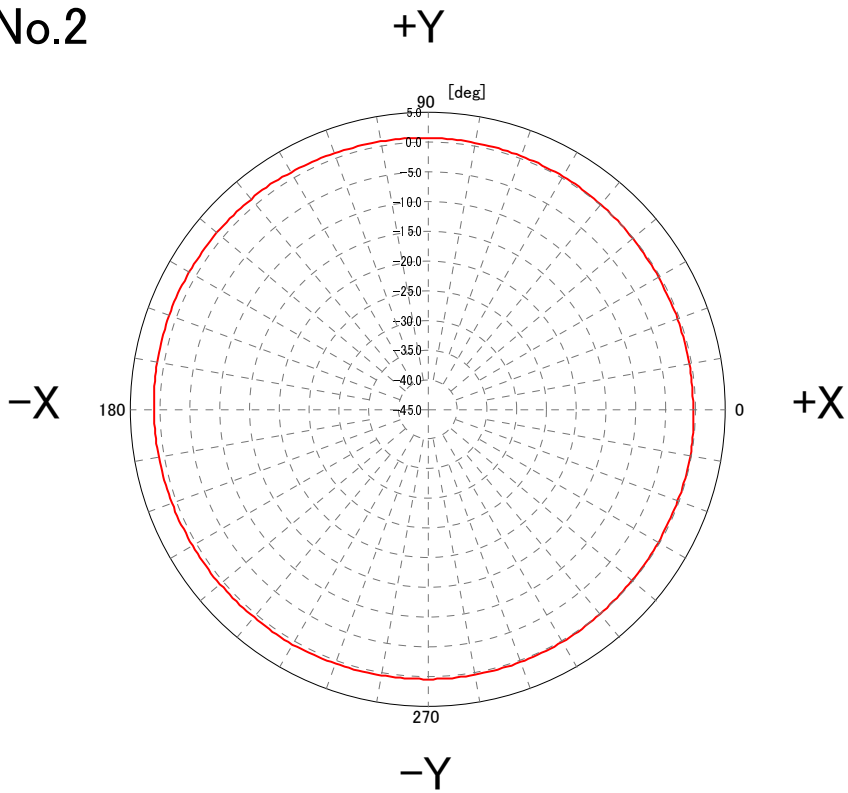


2450MHz / Z-X面

Z-X Face

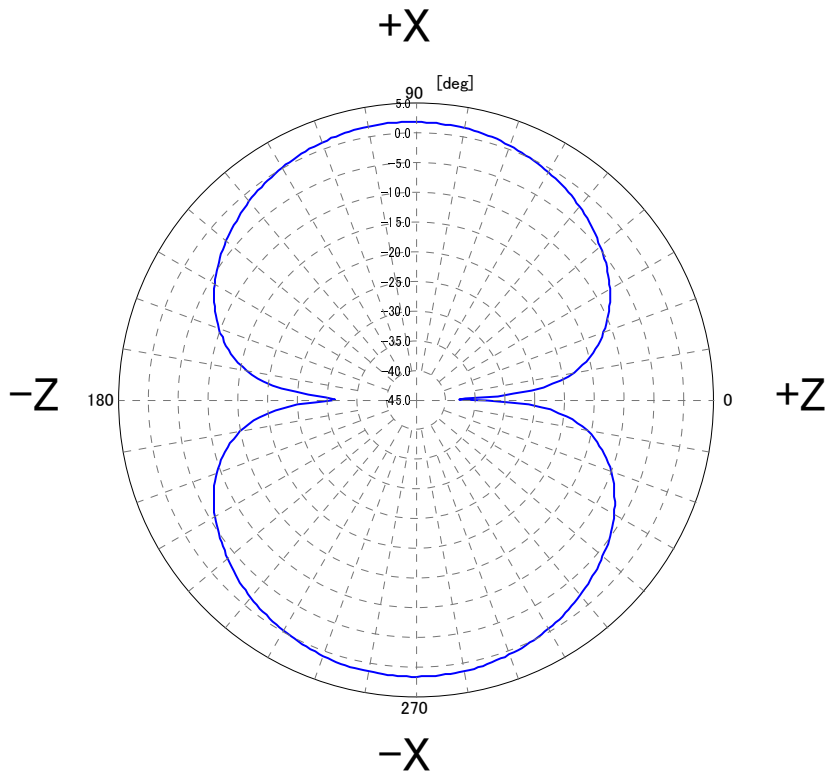
VI. 指向特性 Antenna Radiation Pattern:

◆ No.2



2500MHz / X-Y面

X-Y Face



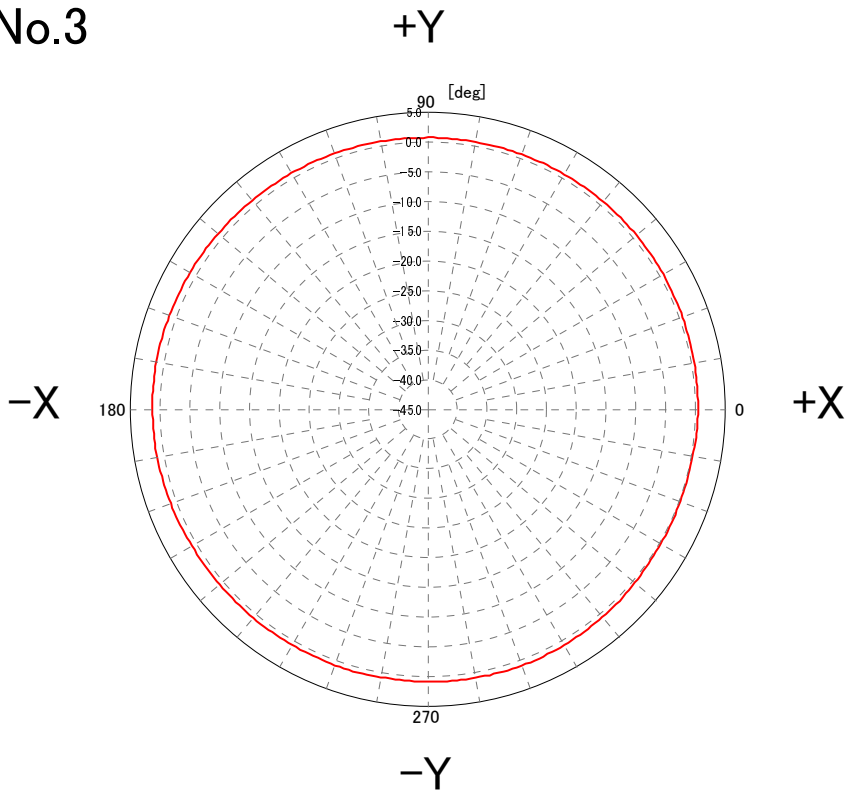
2500MHz / Z-X面

Z-X Face

VI. 指向特性

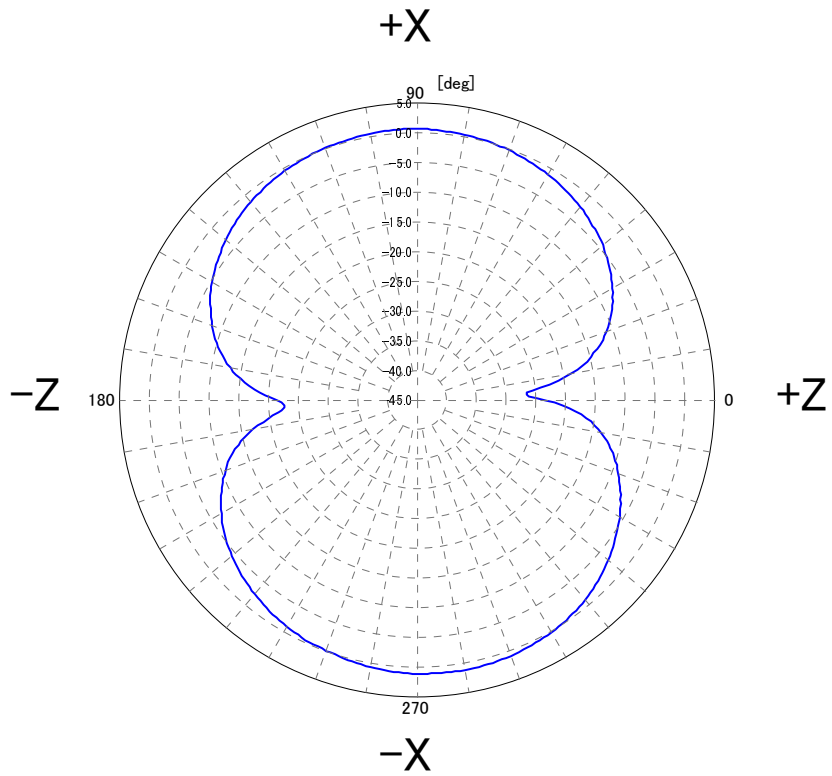
Antenna Radiation Pattern:

◆ No.3



2400MHz / X-Y面

X-Y Face

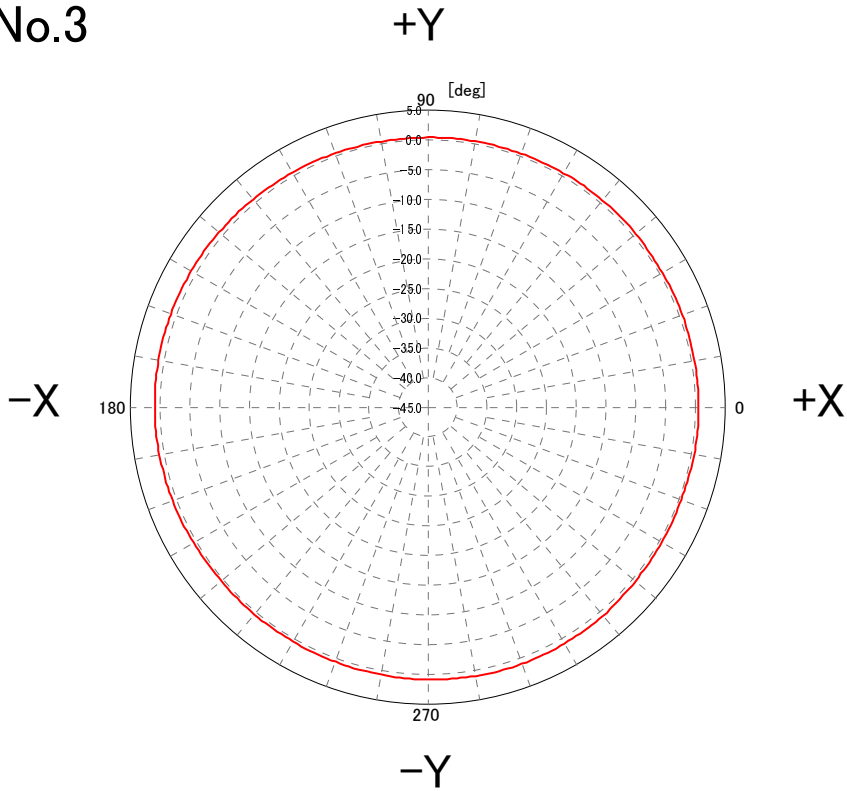


2400MHz / Z-X面 Z-X Face

VI. 指向特性

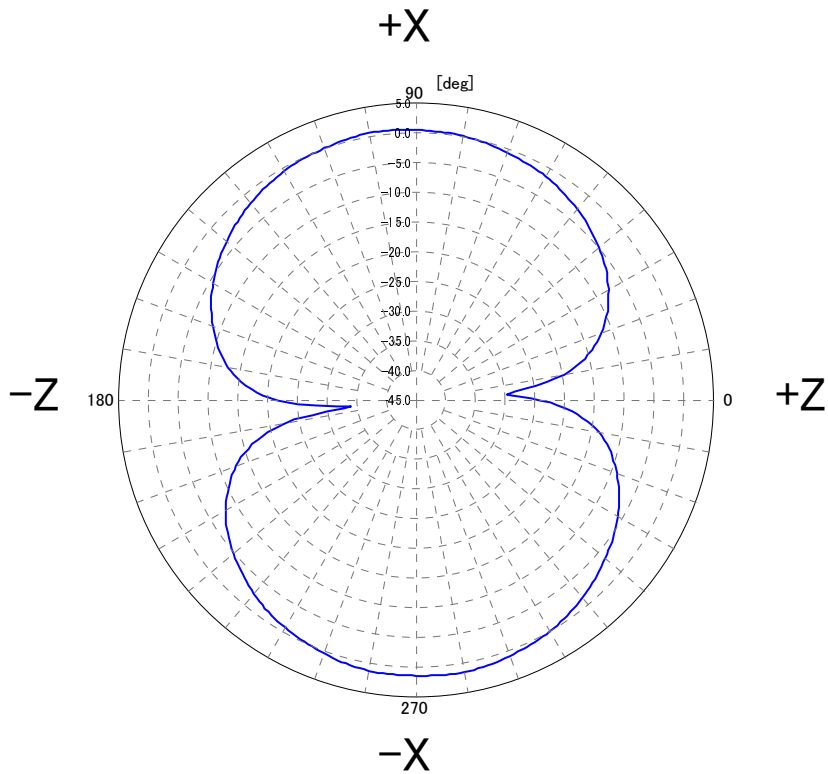
Antenna Radiation Pattern:

◆ No.3



2450MHz / X-Y面

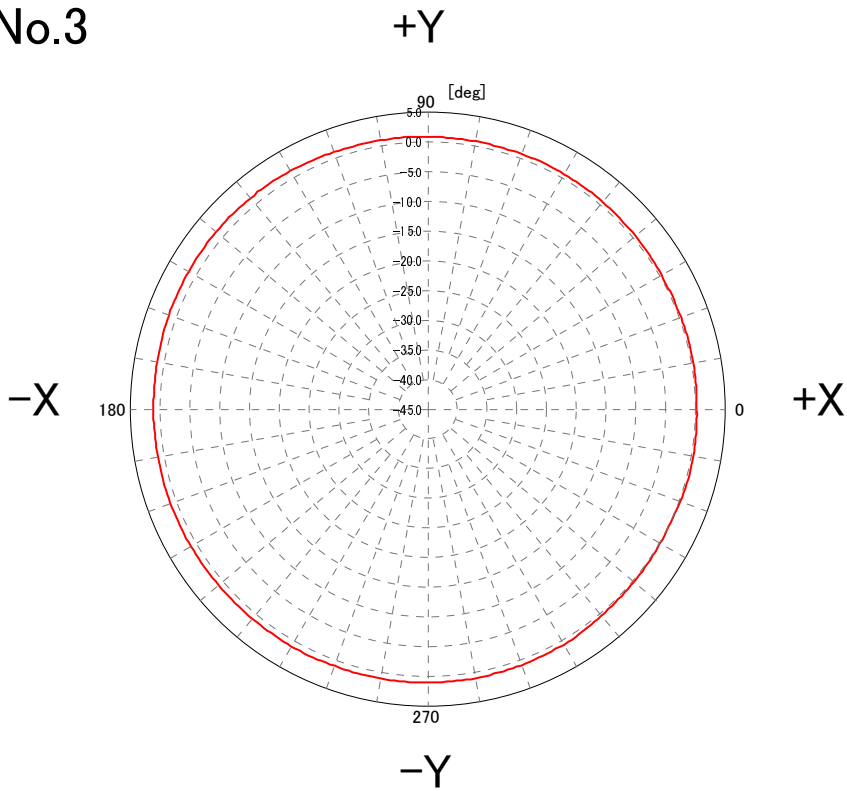
X-Y Face



2450MHz / Z-X面 Z-X Face

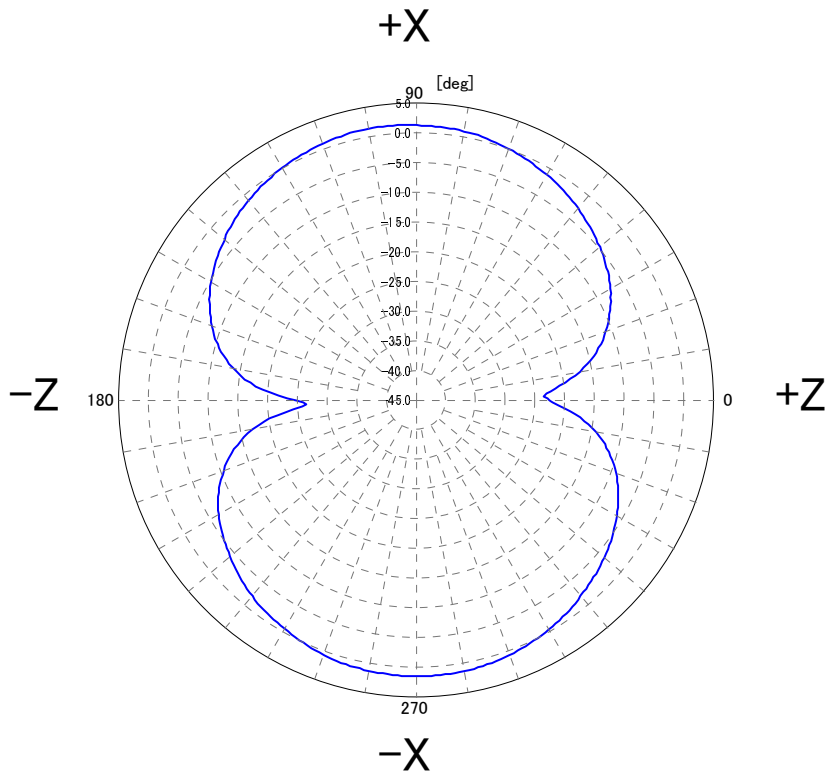
VI. 指向特性 Antenna Radiation Pattern:

◆ No.3



2500MHz / X-Y面

X-Y Face



2500MHz / Z-X面 Z-X Face