

Antenna TEST REPORT

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5-13-12 KUGAHARA, OHTA-KU TOKYO 146-8580 JAPAN

1. Date

Test Date 2023/3/30

Location SANSEI PARTS Head Office

2. Model

AN-UDUL1

3. Test Instruments

Description	Manufacturer	Model	Serial
Network Analyzers	Keysight Technologies	N5230A	MY46400203
Double-Ridged Waveguide Horn	ETS-Lindgren	ETS3119	00125613
Dipole Antennas	Anritsu	MP651B	6200584418
Test Software	DEVICE	DM5125N	-

4. Test Result

■ 915 MHz

915MHz	Max Gain (dBi)		Avg Gain (dBi)	
	V	H	V	H
X - Y	-7.5	-2.7	-11.7	-6.3
X - Z	-3.9	-13.1	-7.7	-17.3
Y - Z	-13.4	-0.1	-18.4	-4.4

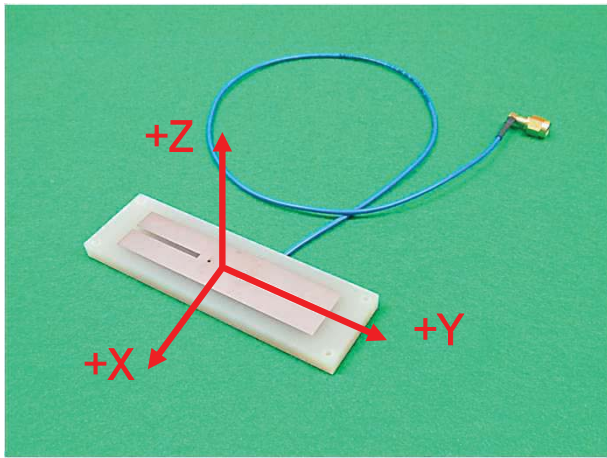
■ 920 MHz

920MHz	Max Gain (dBi)		Avg Gain (dBi)	
	V	H	V	H
X - Y	-7.3	-2.5	-11.5	-6.2
X - Z	-3.7	-13.0	-7.4	-17.2
Y - Z	-13.1	0.0	-17.8	-4.2

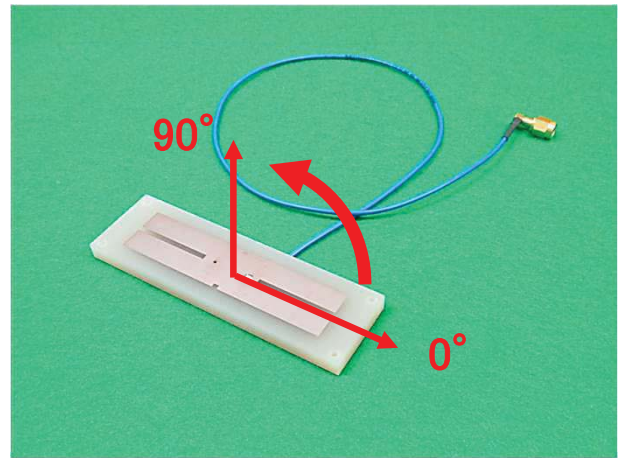
■ 925 MHz

925MHz	Max Gain (dBi)		Avg Gain (dBi)	
	V	H	V	H
X - Y	-7.3	-2.6	-11.5	-6.5
X - Z	-3.6	-12.8	-7.2	-17.1
Y - Z	-13.0	-0.2	-17.6	-4.4

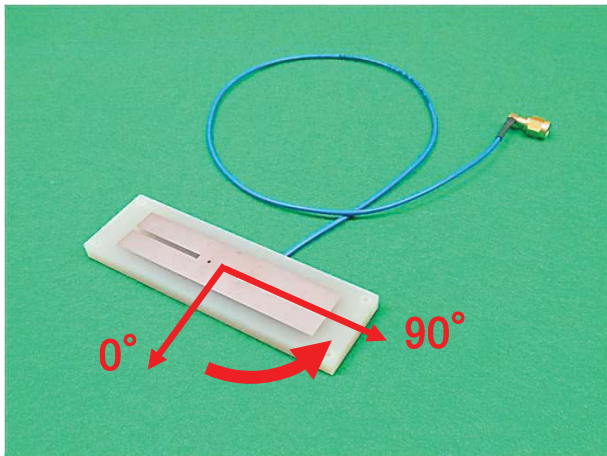
5. Test Data



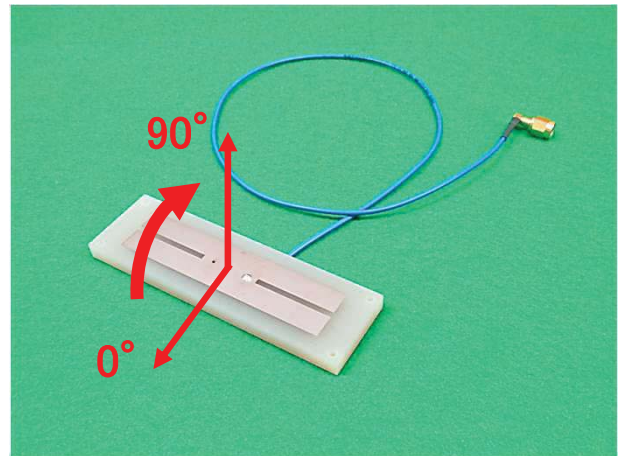
Coordinate



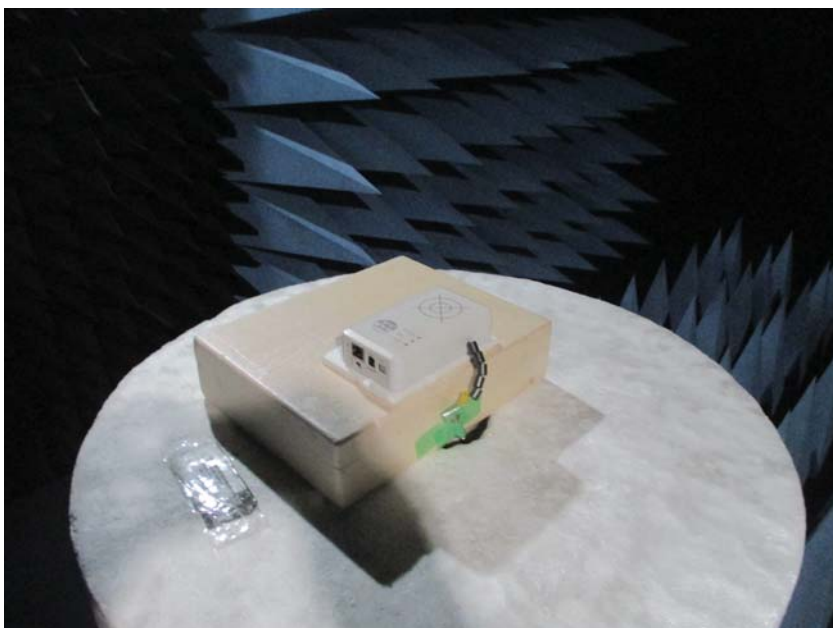
Y-Z



X-Y



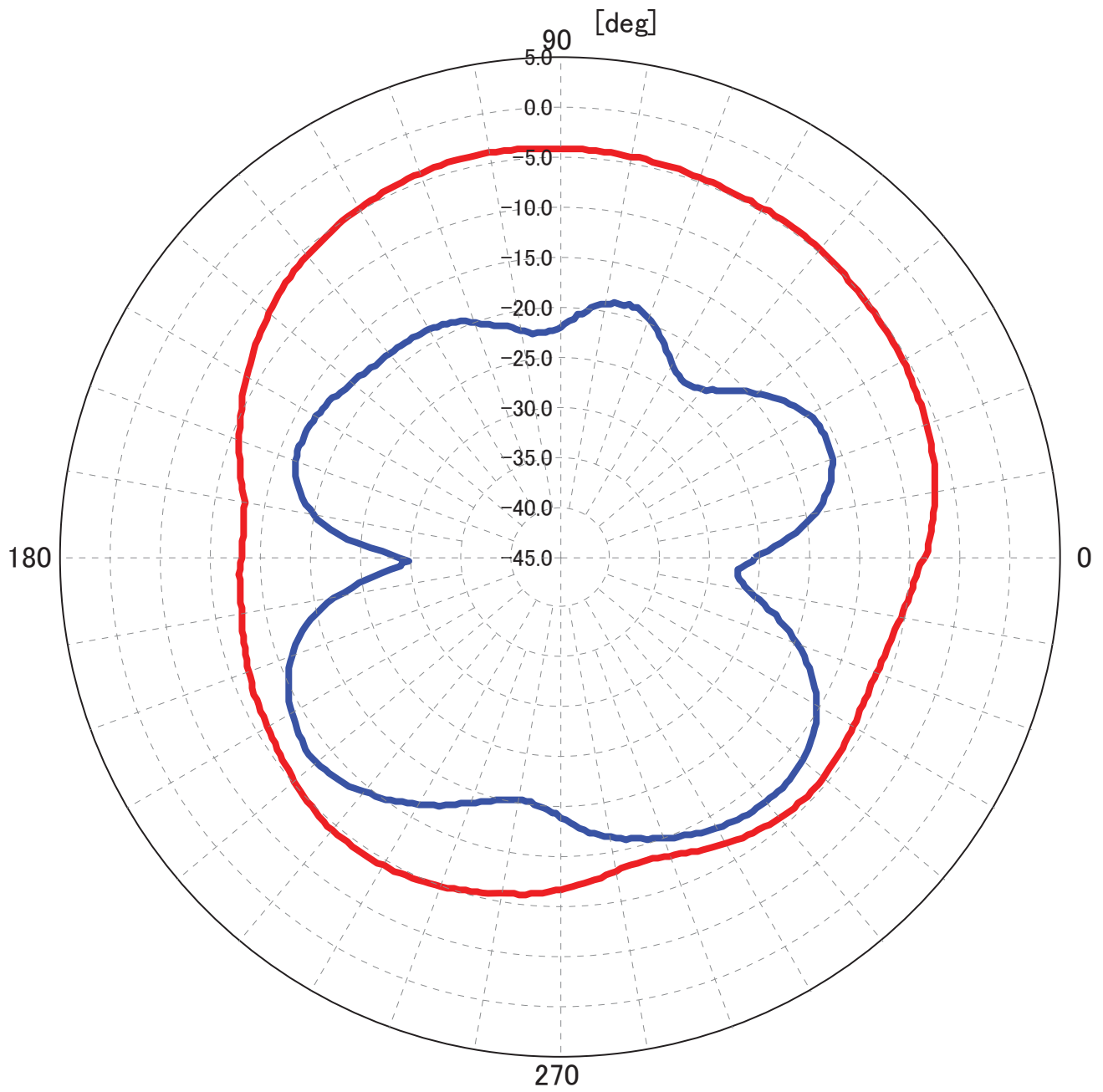
X-Z



6. Test Data

6-1. 915MHz

X-Z

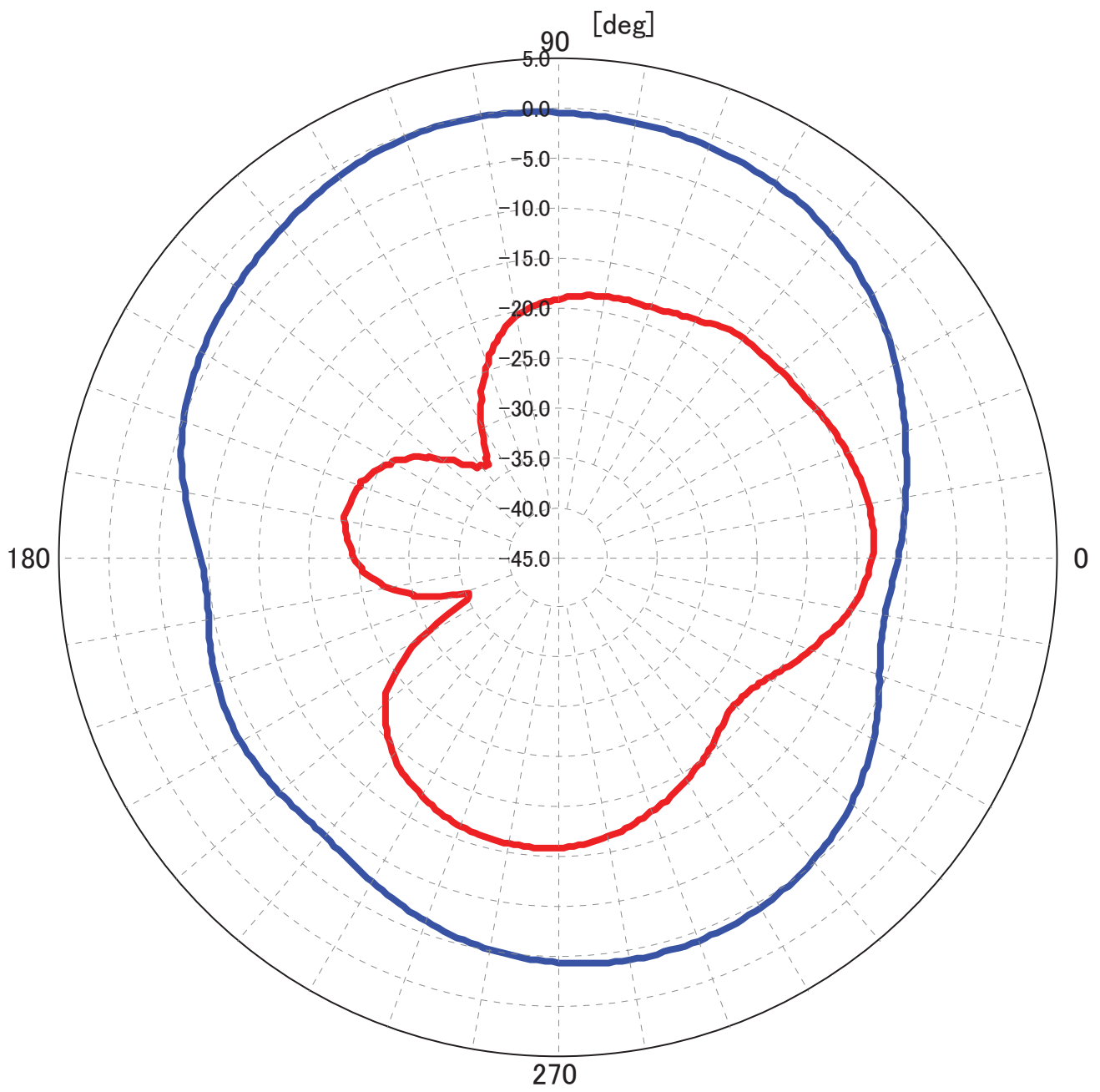


— V : Vertical
— H : Horizontal

6. Test Data

6-1. 915MHz

Y-Z

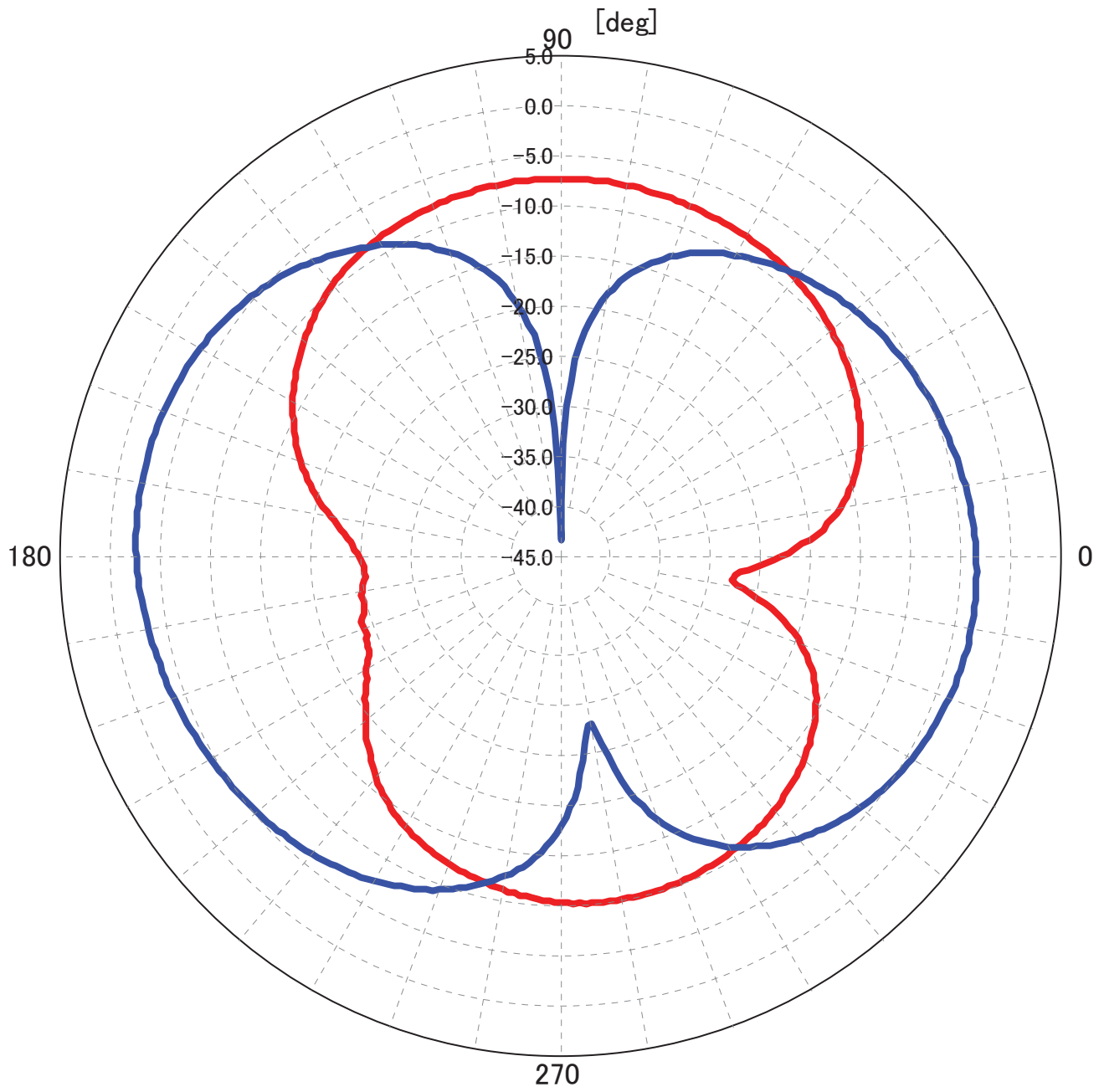


— V : Vertical
— H : Horizontal

6. Test Data

6-2. 920MHz

X-Y

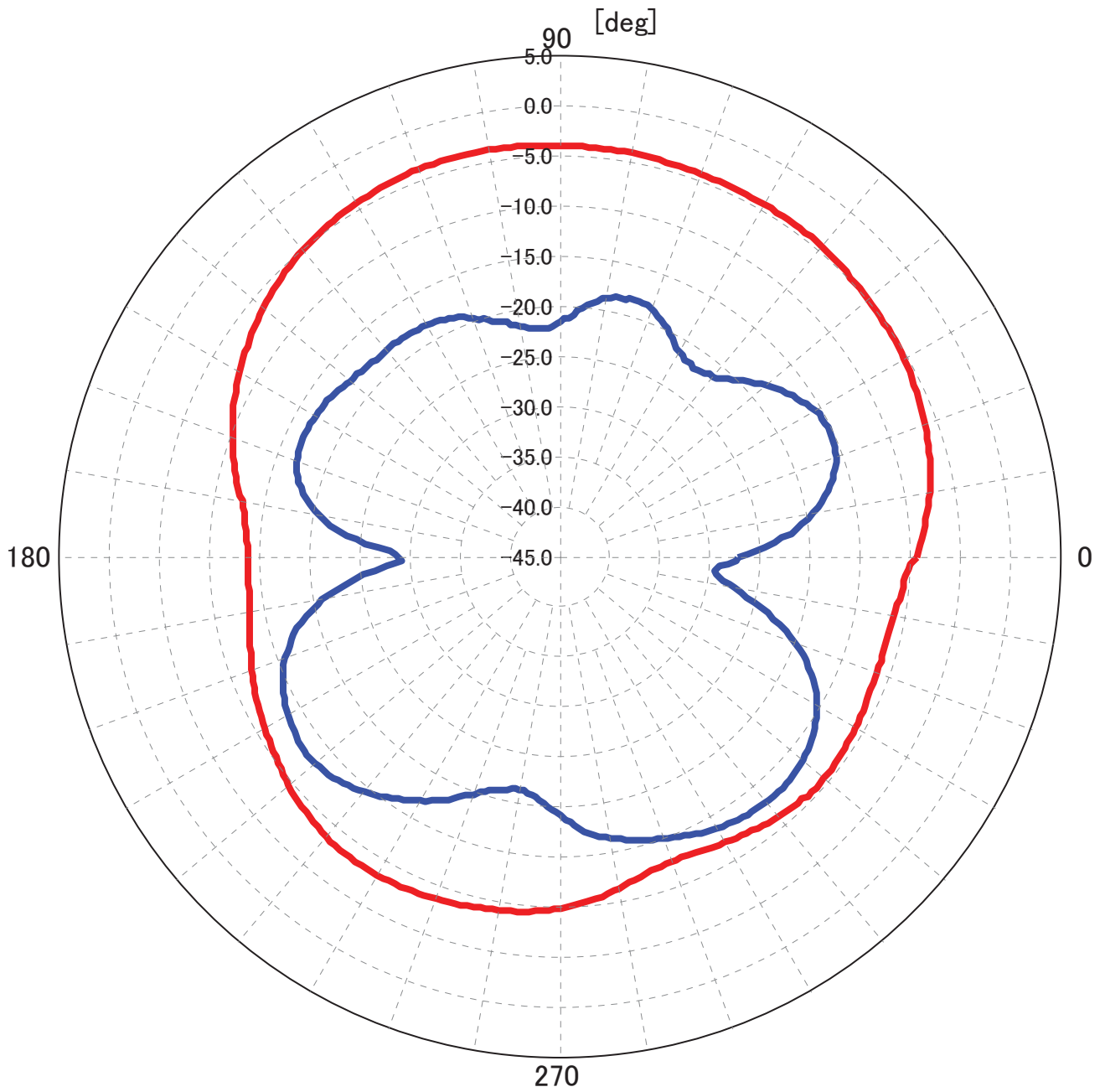


— V : Vertical
— H : Horizontal

6. Test Data

6-2. 920MHz

X-Z

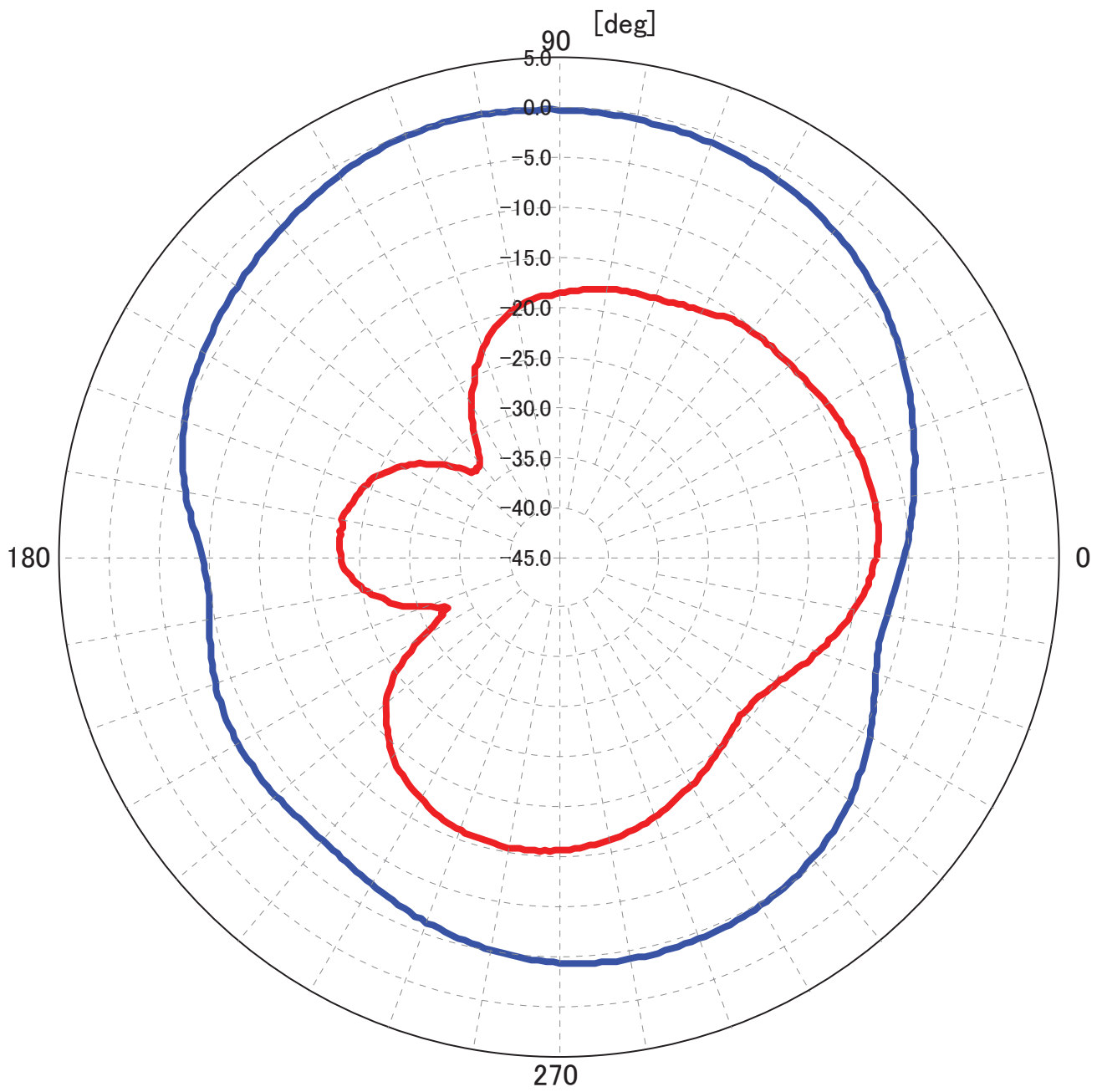


— V : Vertical
— H : Horizontal

6. Test Data

6-2. 920MHz

Y-Z

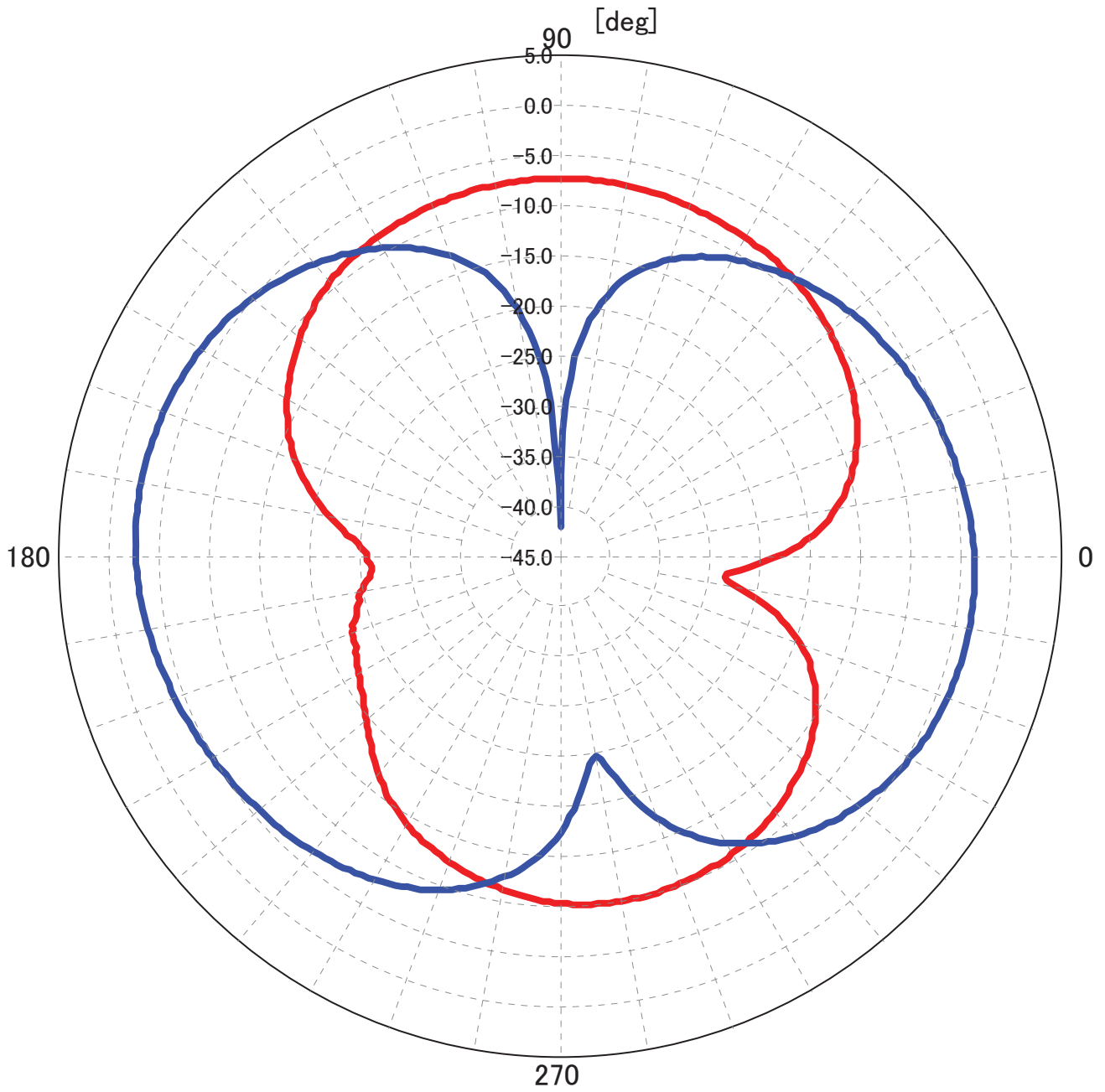


— V : Vertical
— H : Horizontal

6. Test Data

6-3. 925MHz

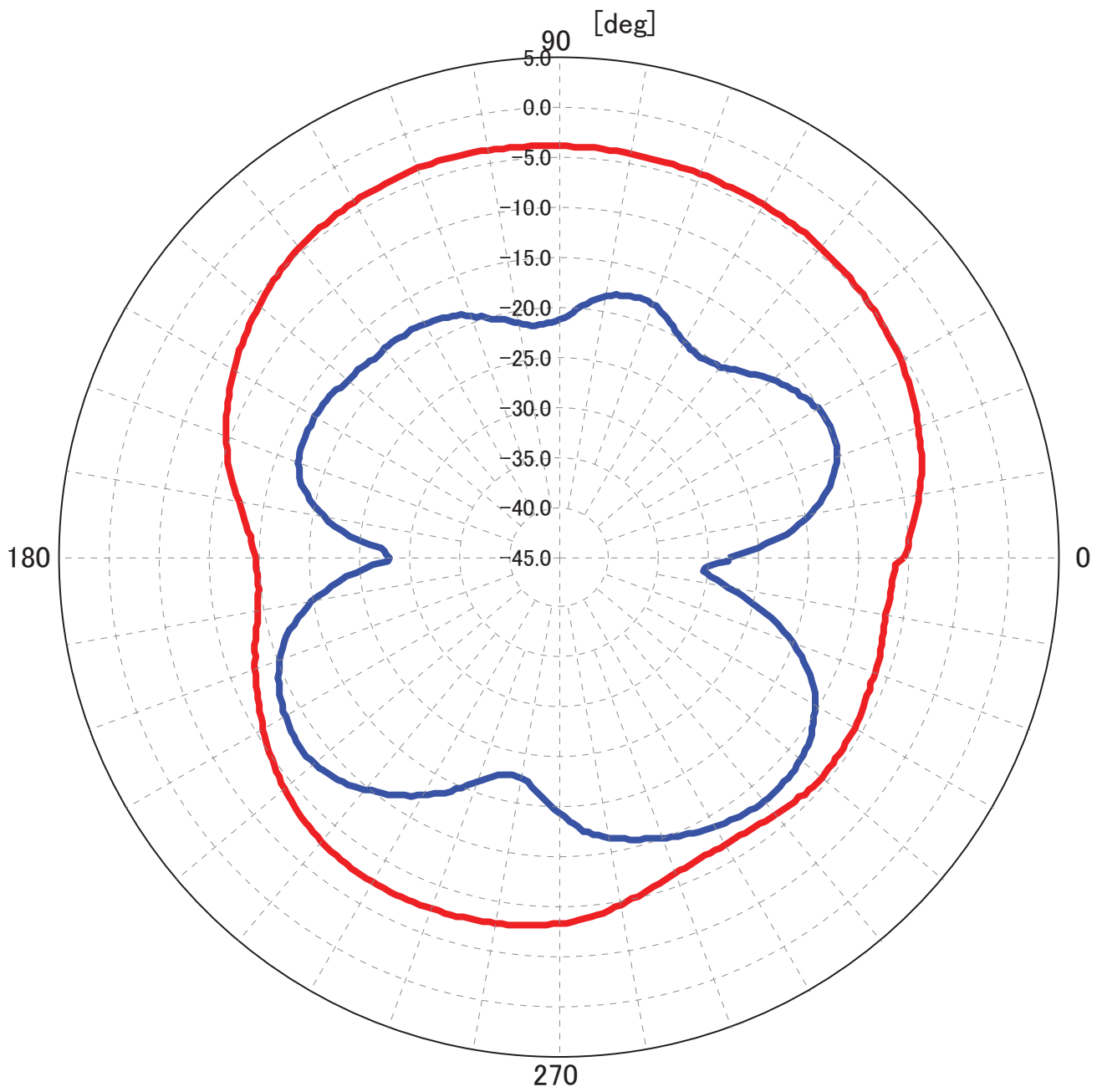
X-Y



6. Test Data

6-3. 925MHz

X-Z

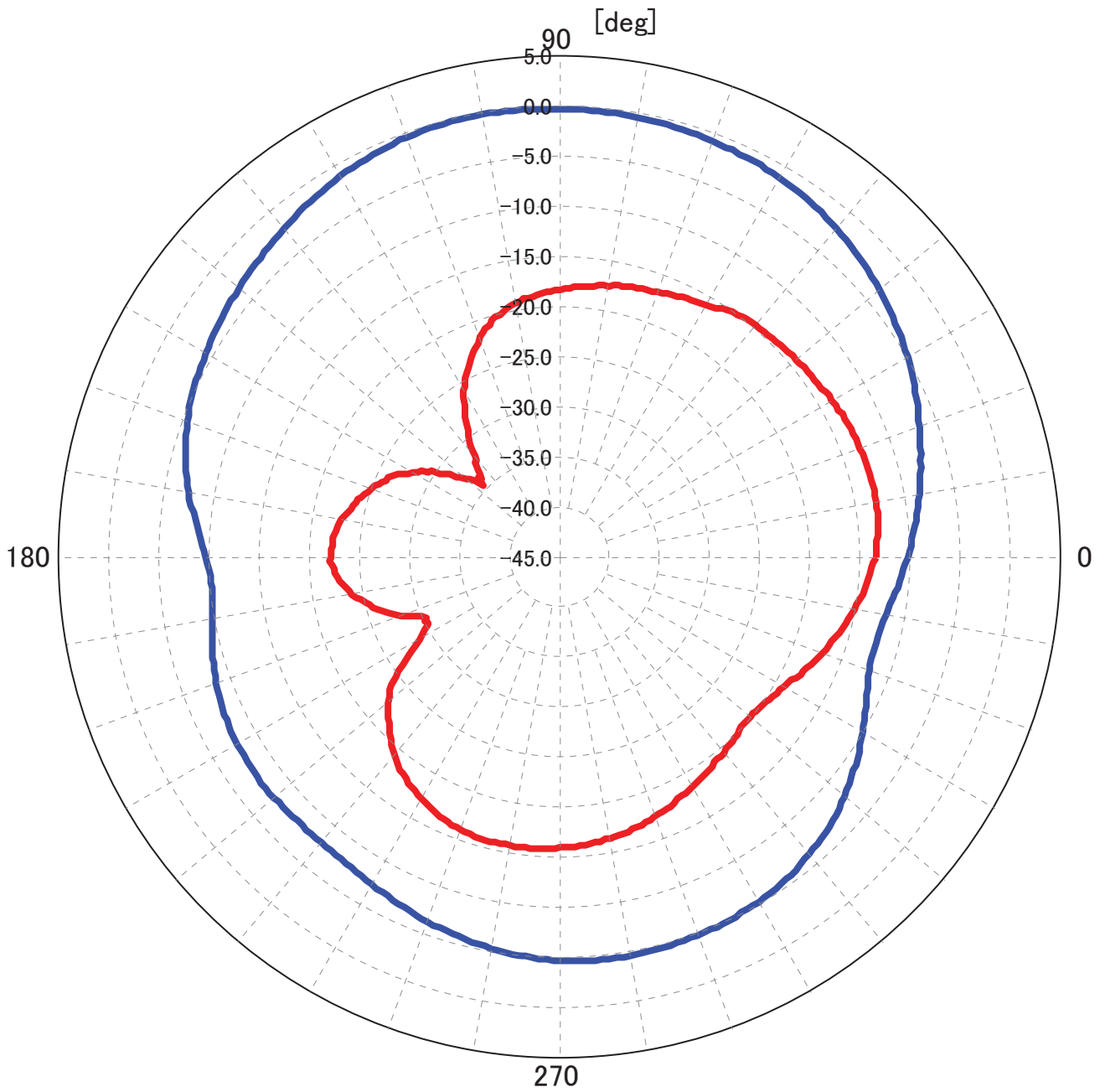


— V : Vertical
— H : Horizontal

6. Test Data

6-3. 925MHz

Y-Z



— V : Vertical
— H : Horizontal