



# Antenna Report

Model Name :	2QD4100	Date:	2024 / 04 /10
Project Manager:	Claire Wu	Author	Alvin_yu

**Countersign:**

Alvin\_yu / CY Lin



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**Antenna manufacturer /Antenna Type**

Antenna manufacturer:	AWAN
AWAN Address:	Rm. B2-F, No. 207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231 , Taiwan (R.O.C.)
Antenna type:	Ant0:Dipole Ant1:Dipole Ant2:PIFA

### Antenna Test Results

#### 1. Passive Gains

- Ant0

Freq. (MHz)	2412	2442	2472
Peak Gain (dBi)	1.35	1.5	1.40
Freq. (MHz)	5180	5300	5500
Peak Gain (dBi)	2.42	2.05	0.52
Freq. (MHz)	5785	5805	5955
Peak Gain (dBi)	0.01	-0.04	1.26
Freq. (MHz)	6455	6700	7015
Peak Gain (dBi)	-0.35	0.12	0.01

- Ant1

Freq. (MHz)	2412	2442	2472
Peak Gain (dBi)	1.02	1.2	1.11
Freq. (MHz)	5180	5300	5500
Peak Gain (dBi)	2.27	2.32	2.8
Freq. (MHz)	5785	5805	5955
Peak Gain (dBi)	0.55	0.41	0.13
Freq. (MHz)	6455	6700	7015
Peak Gain (dBi)	0.9	0.02	-1.34

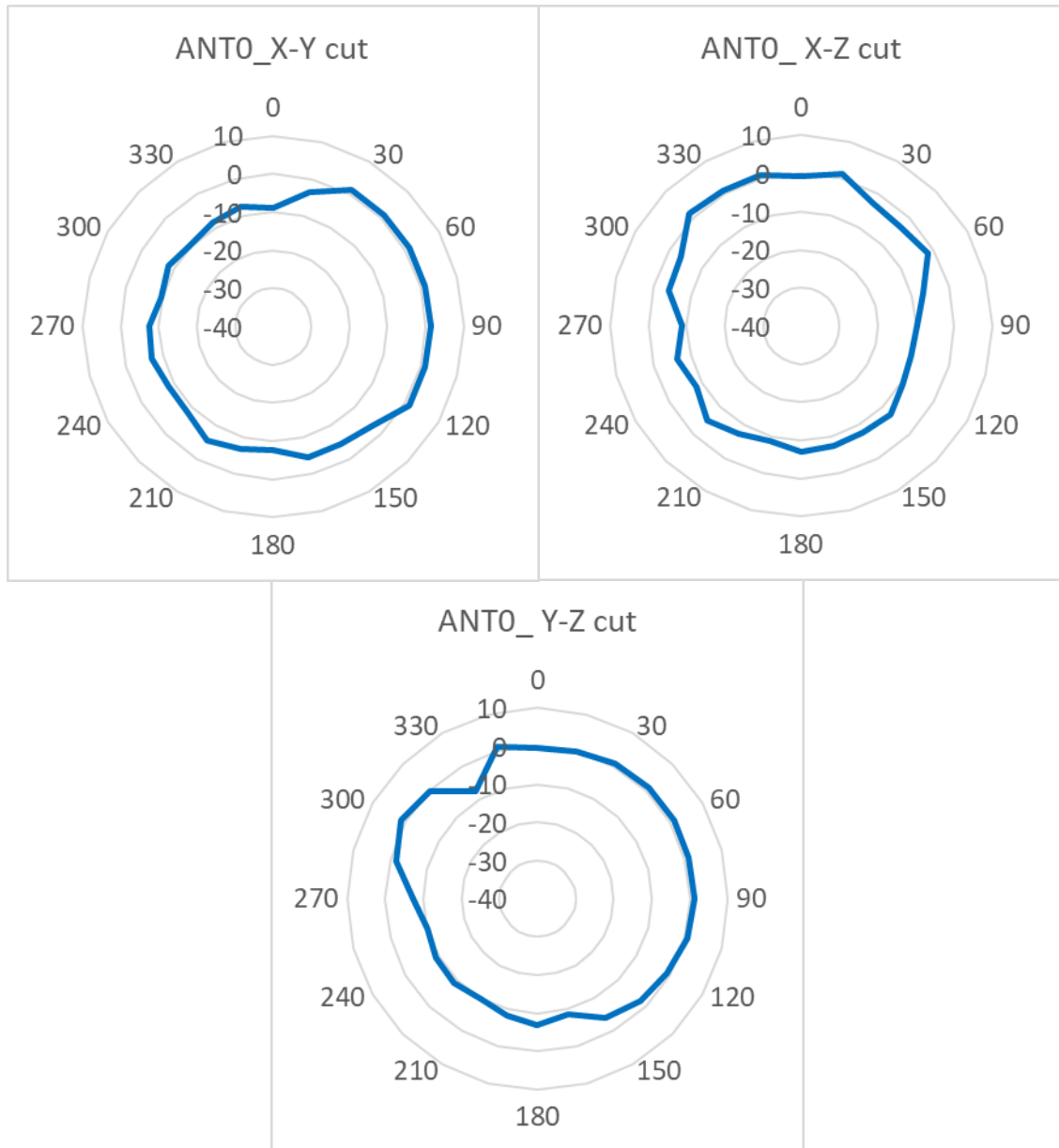
- Ant2

Freq. (MHz)	2400	2450	2480
Peak Gain (dBi)	1.76	2	1.82

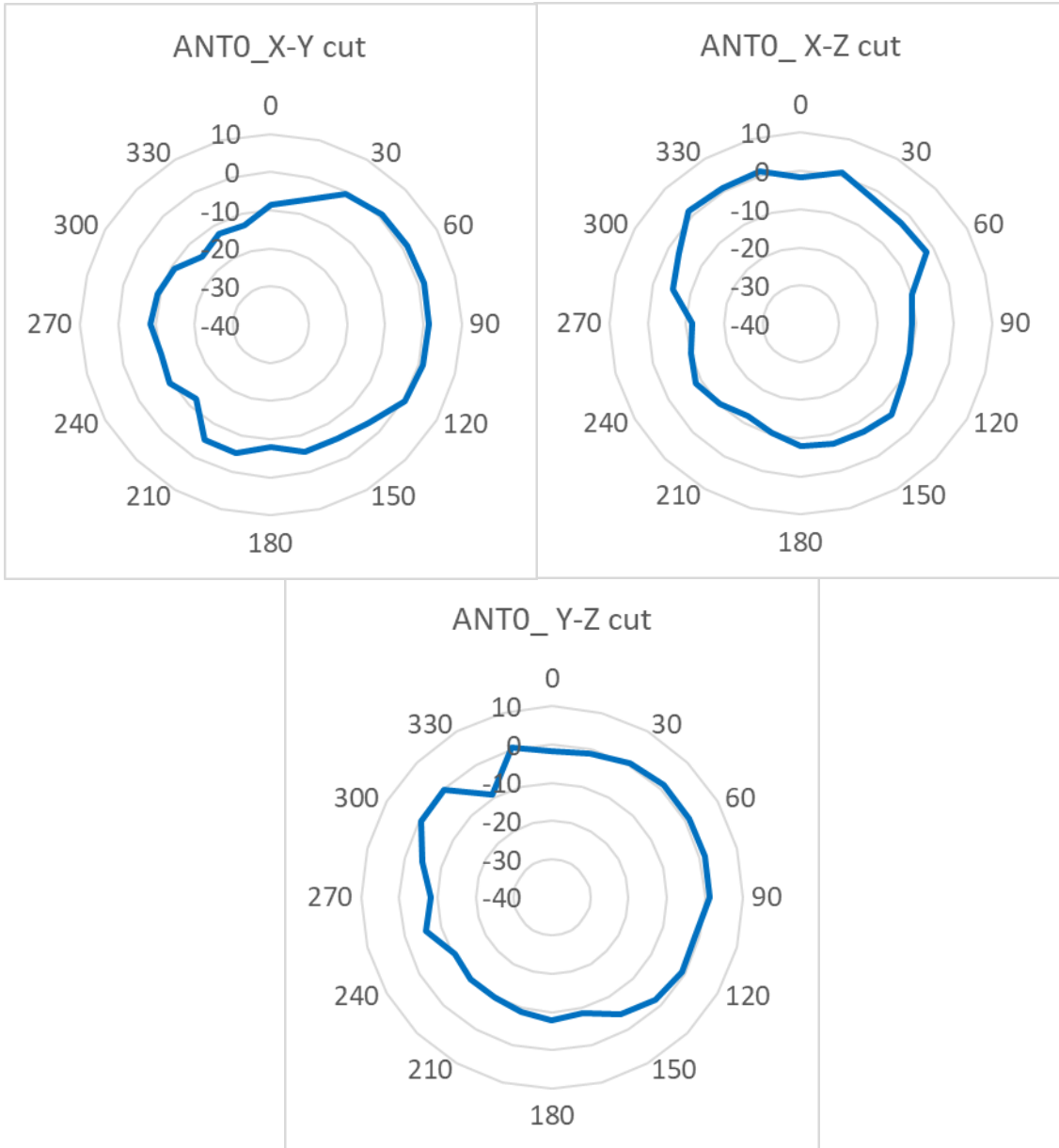
## 2. 2D Antenna Pattern

- Ant0

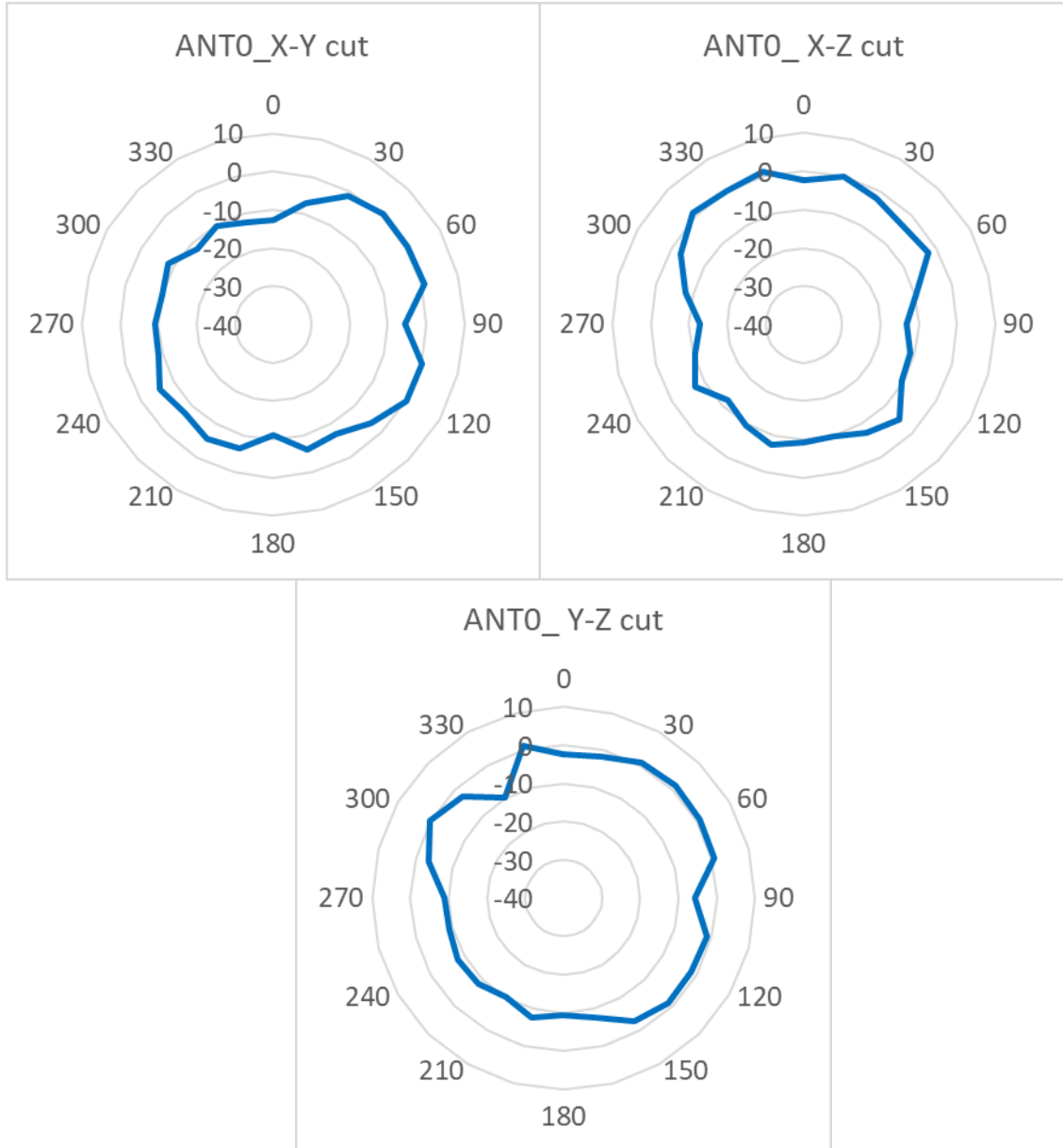
2412 MHz



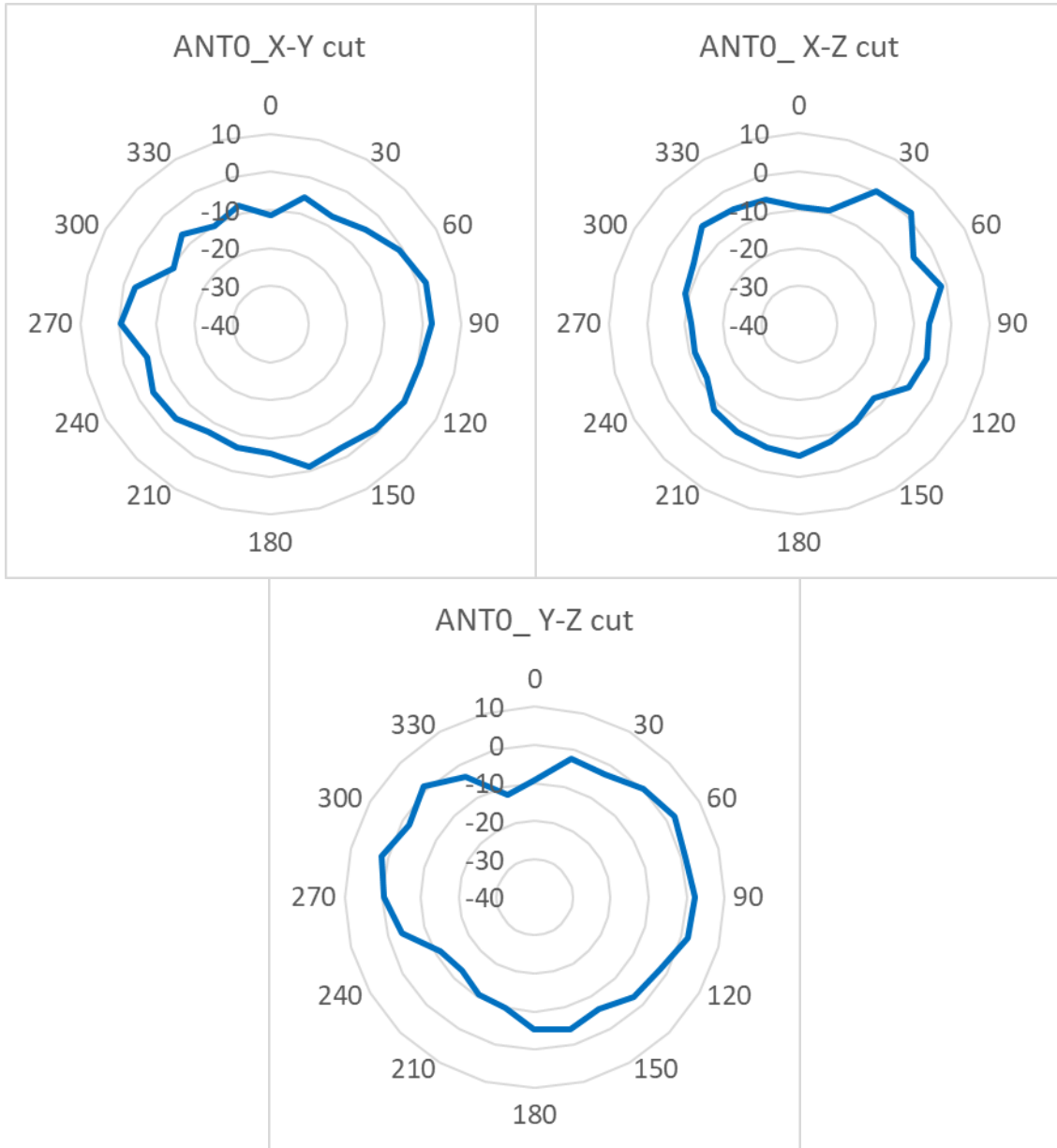
2442 MHz



2472 MHz

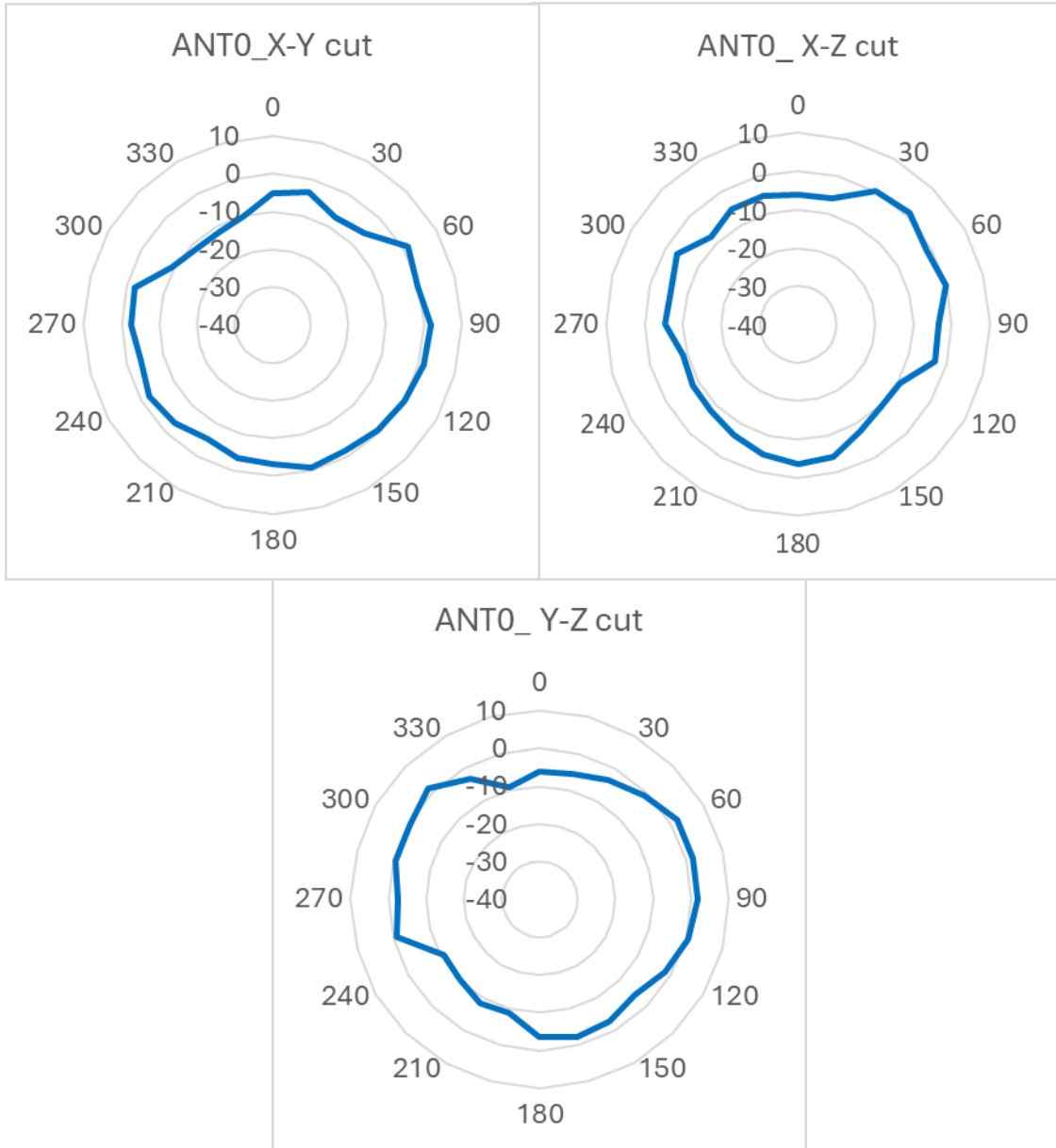


5180 MHz

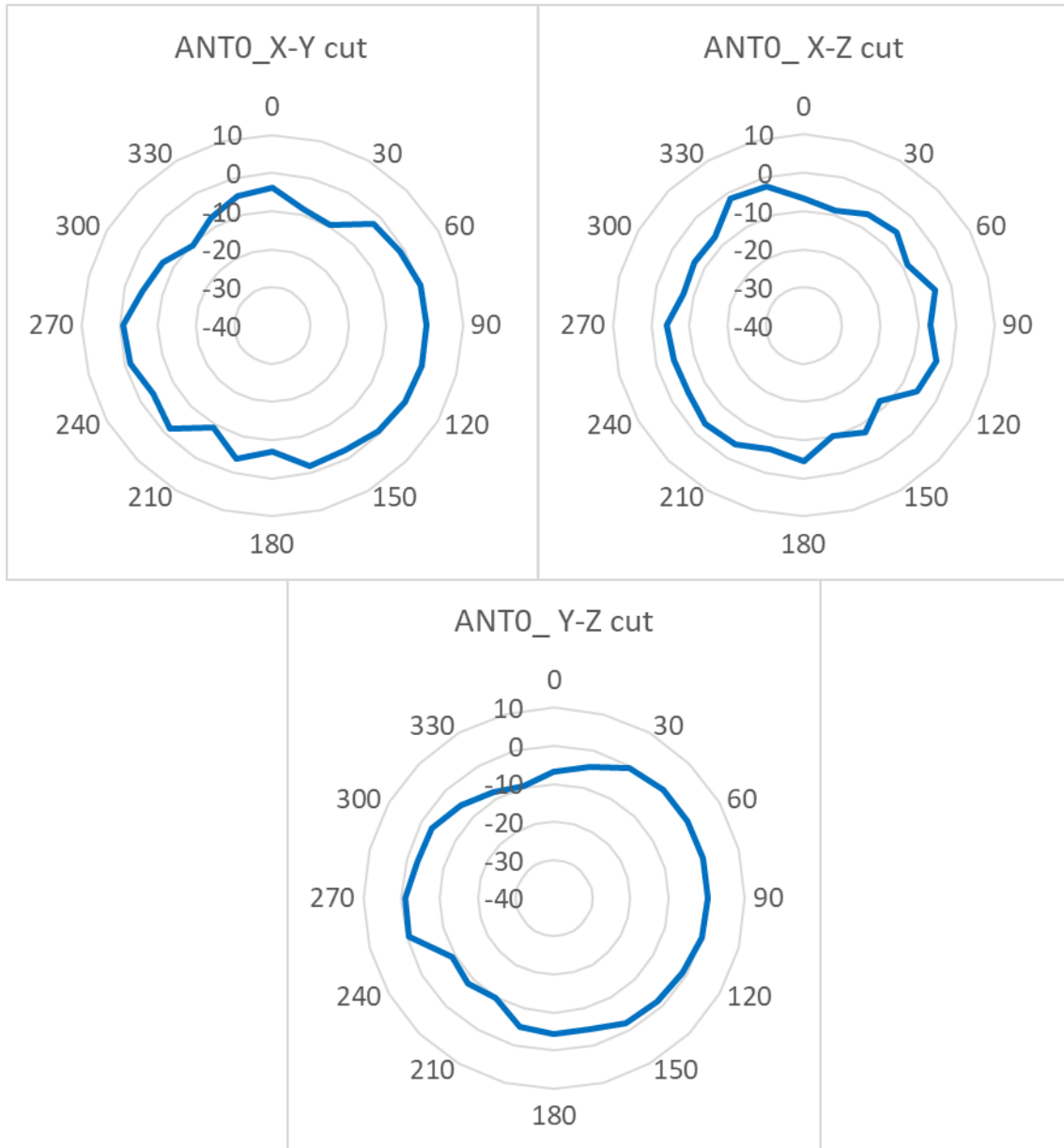




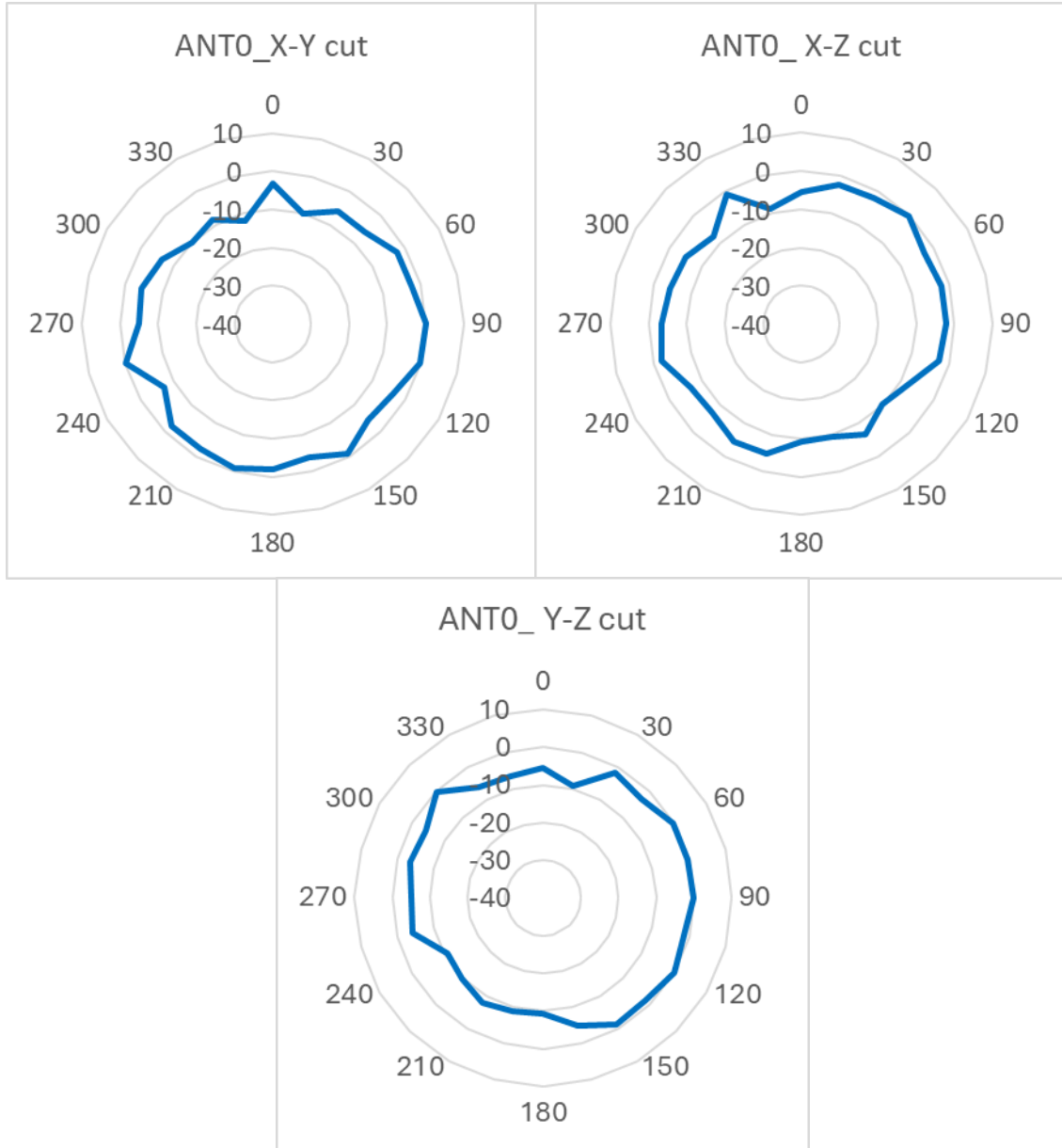
5300 MHz



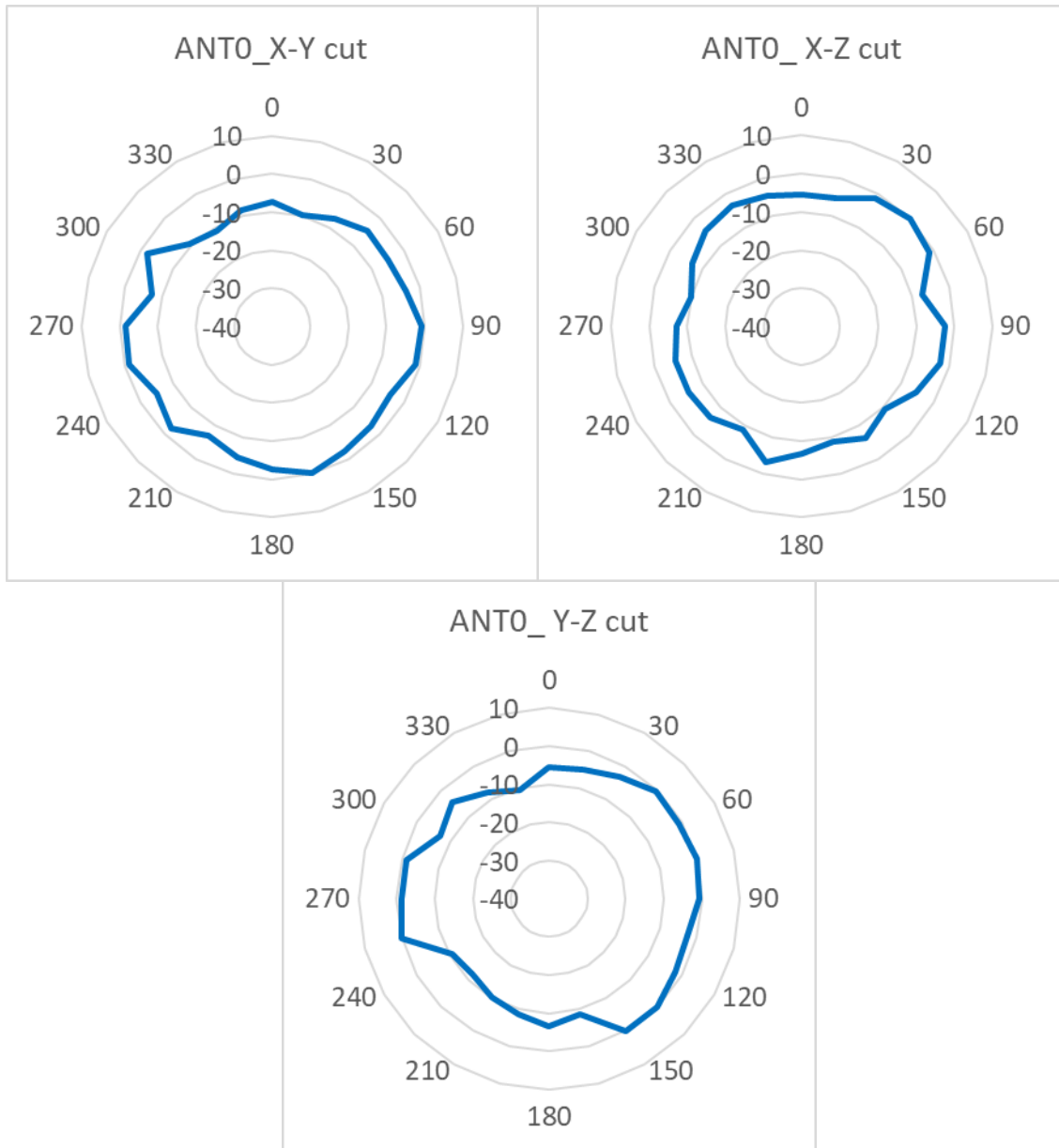
5500 MHz



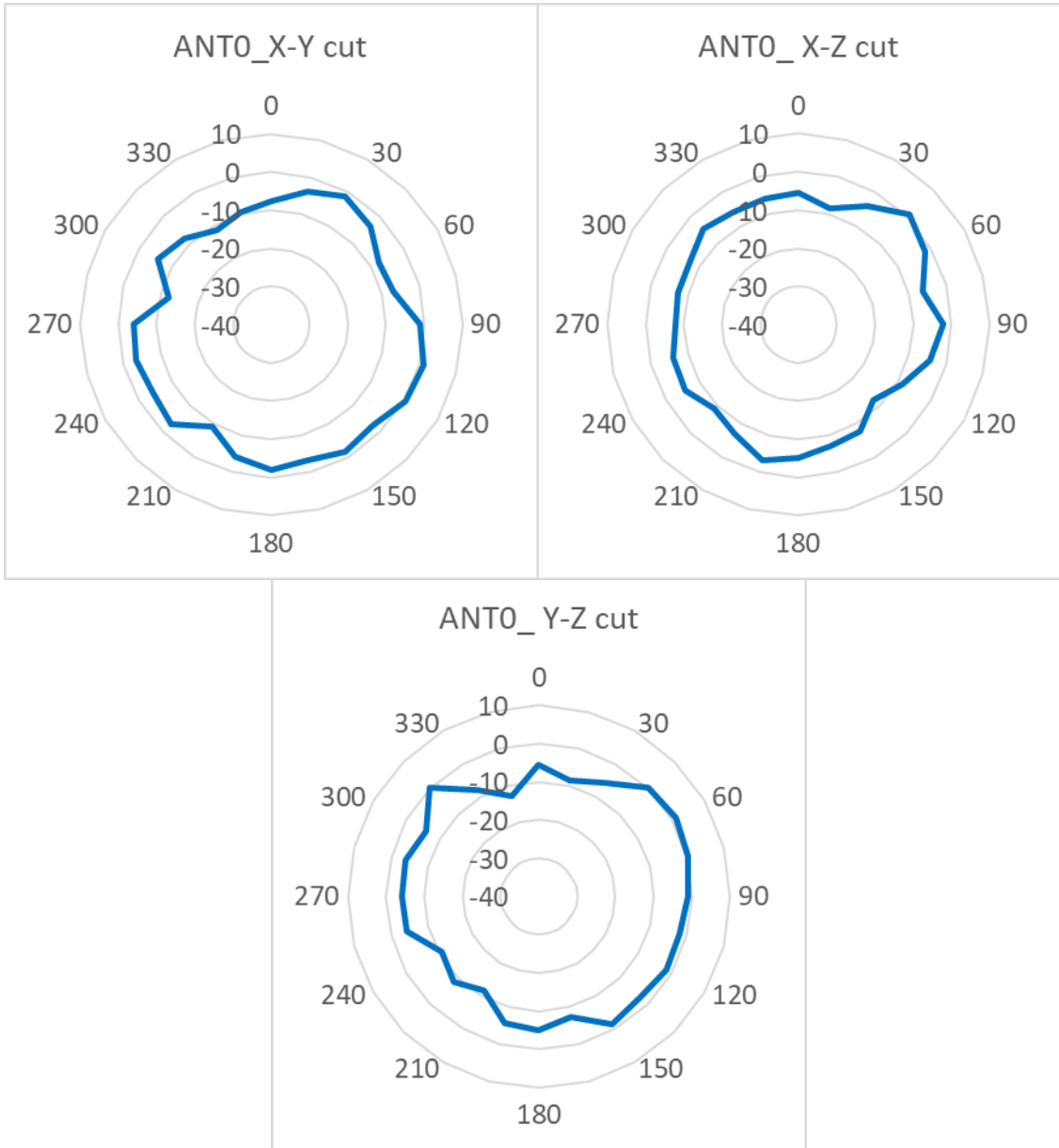
5785 MHz



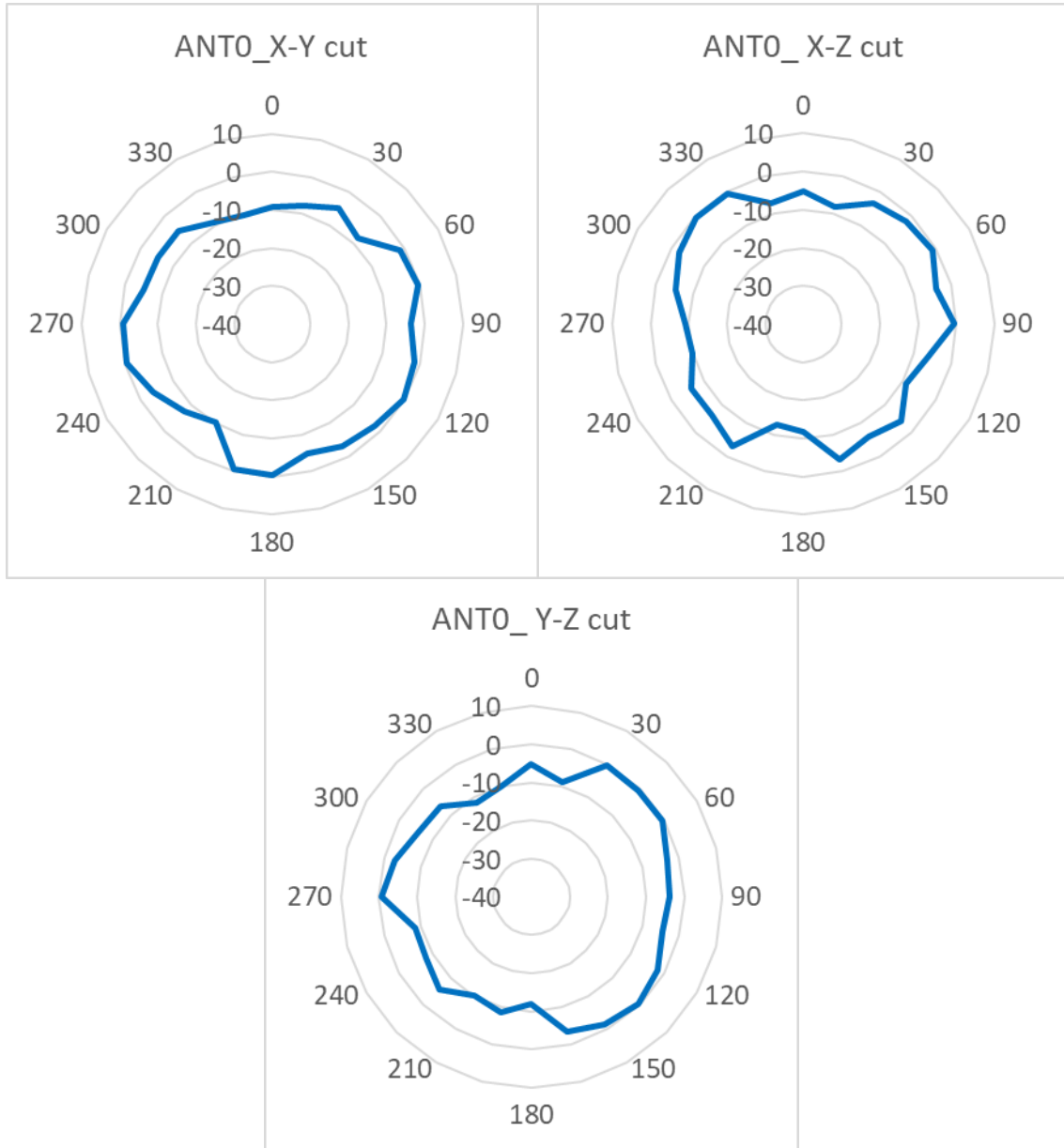
5805 MHz



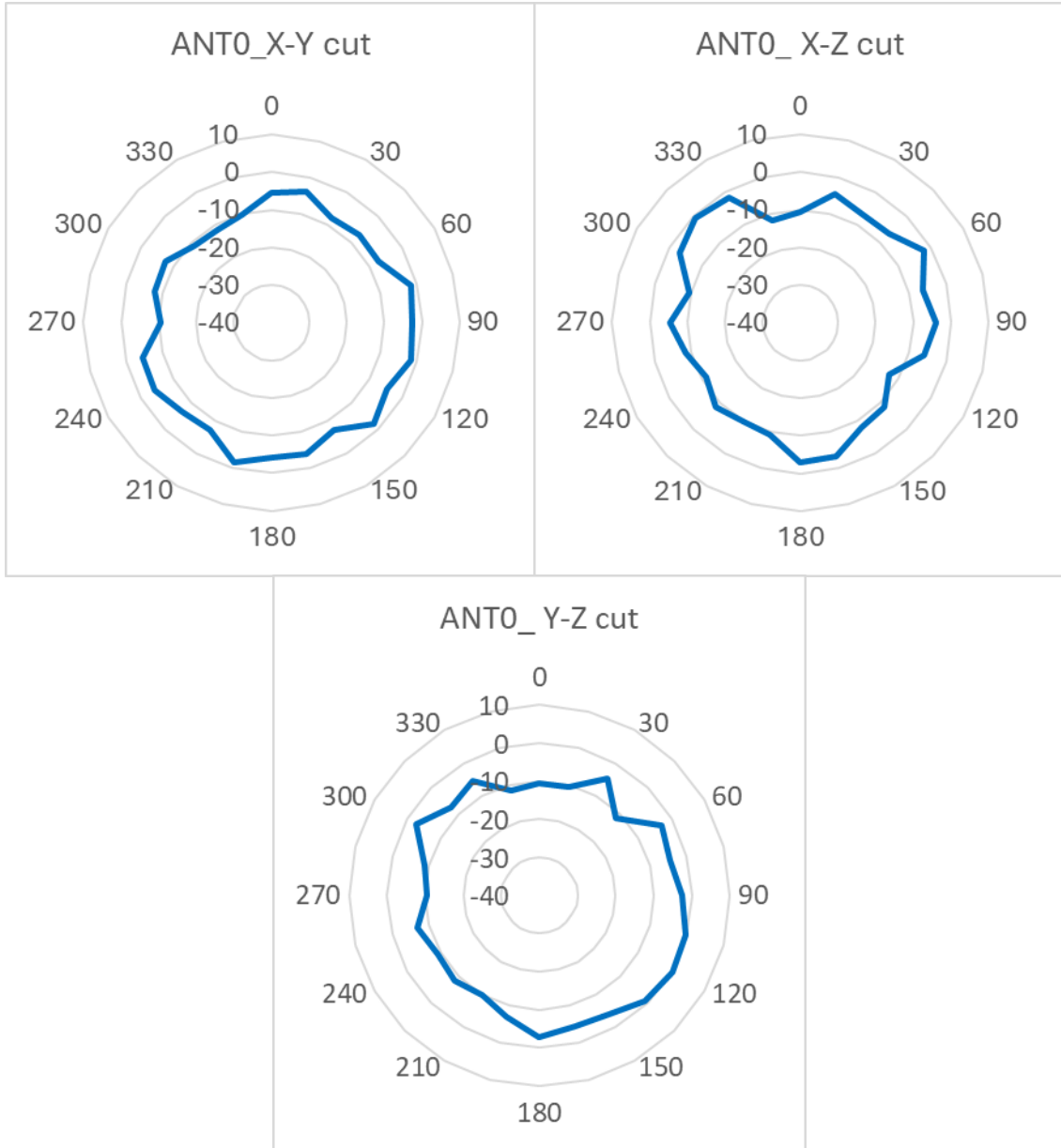
- 5955 MHz



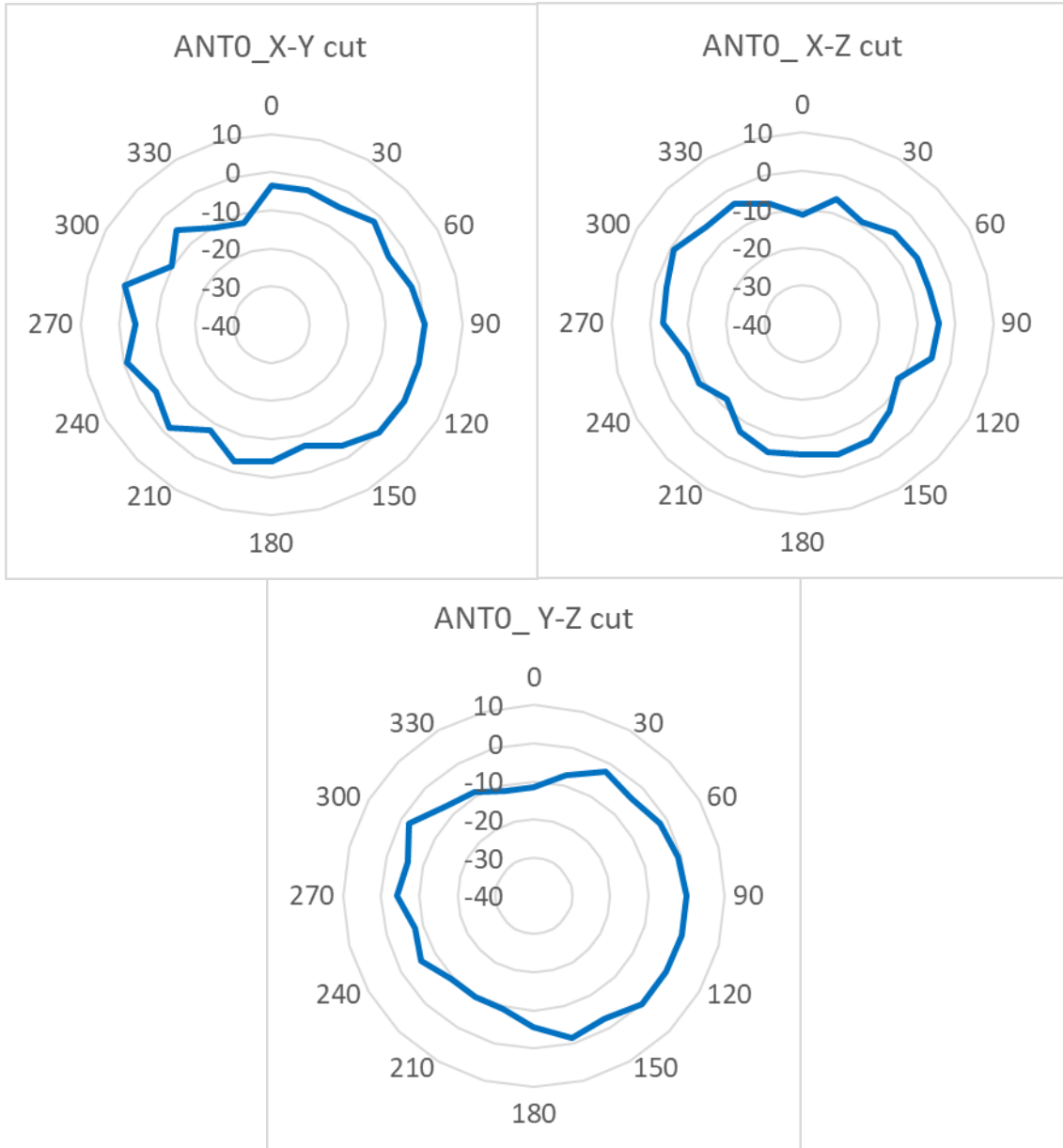
- 6455 MHz



6700 MHz



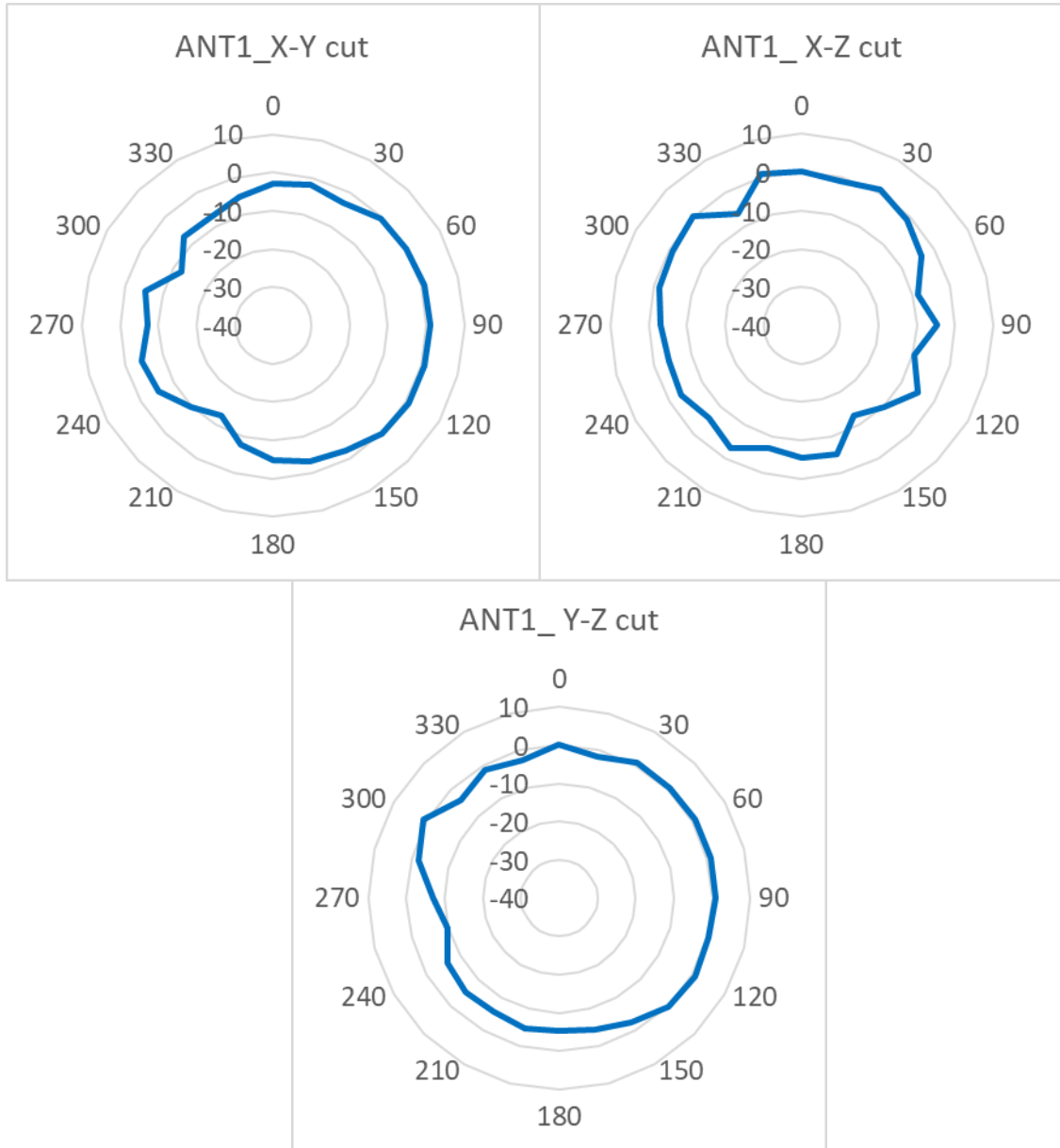
- 7015 MHz



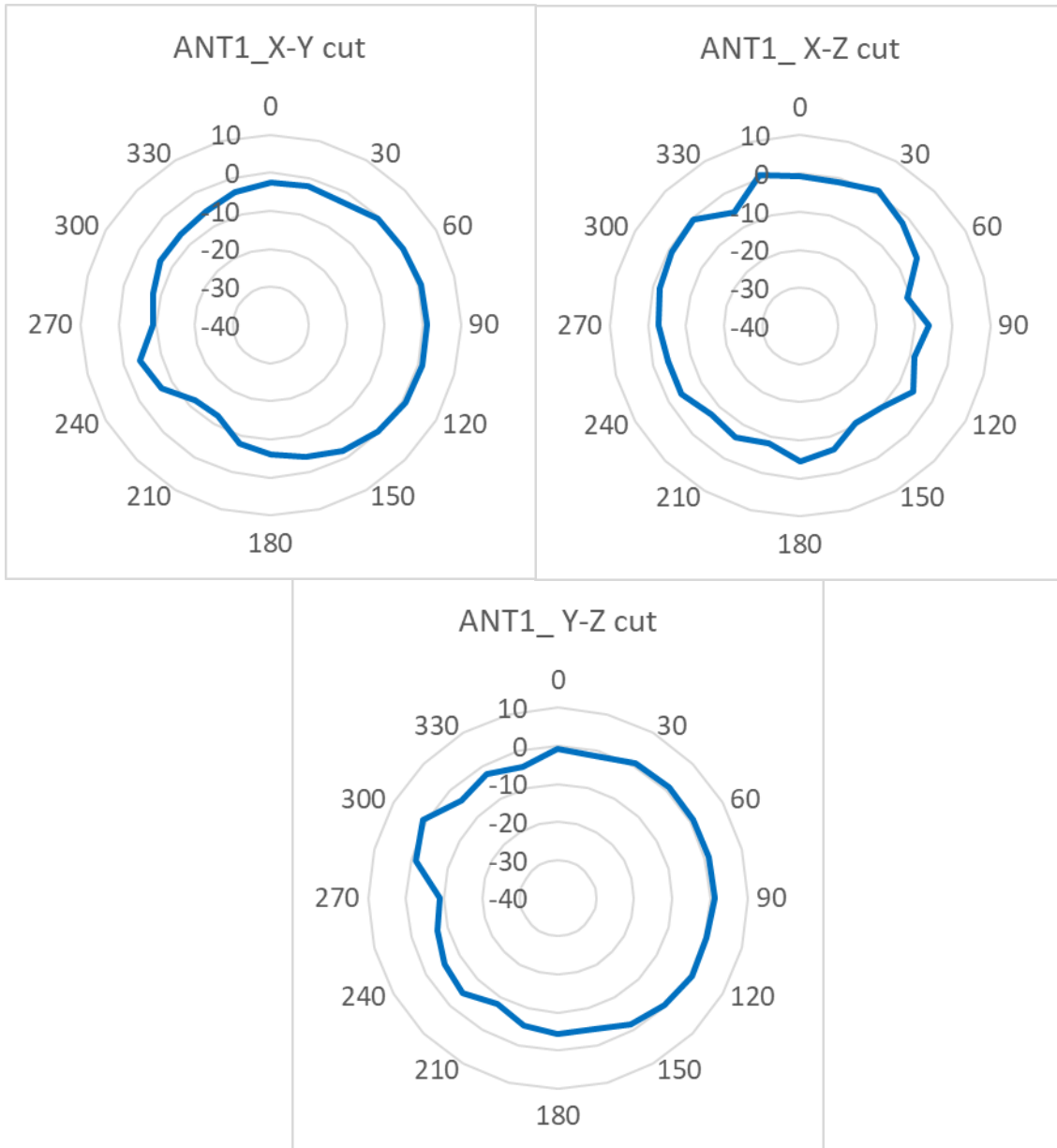


- Ant1

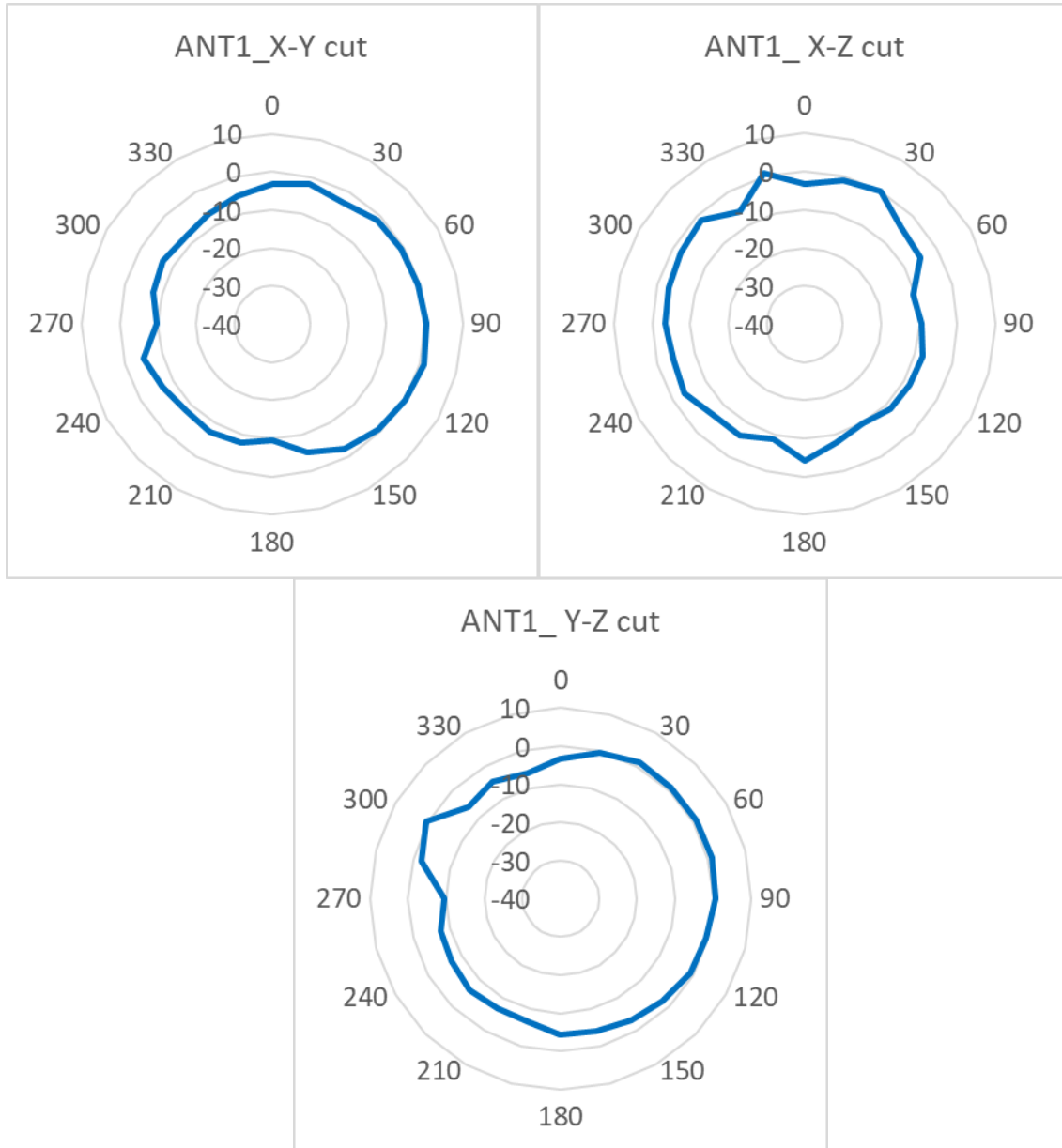
2412 MHz



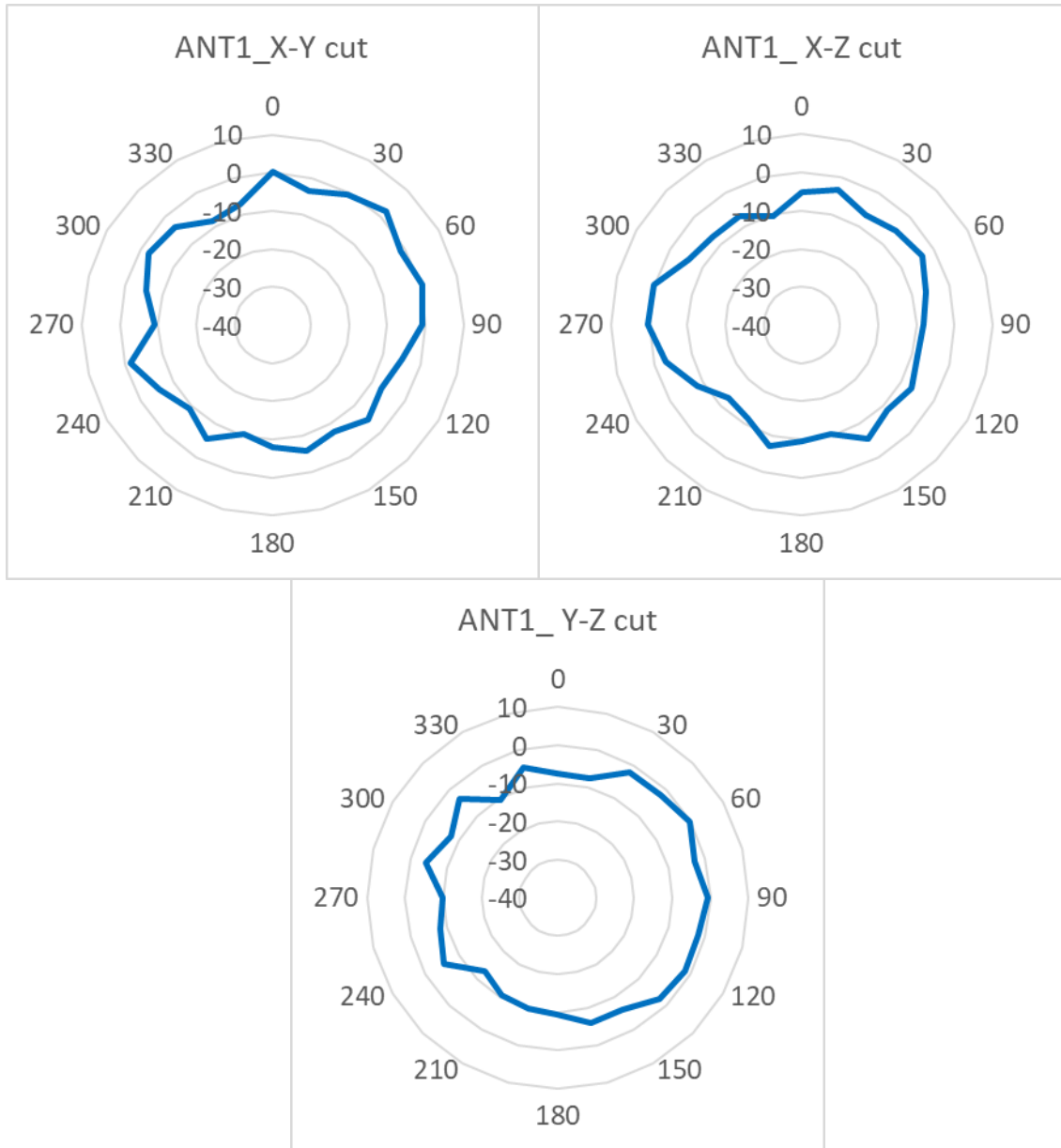
2442 MHz



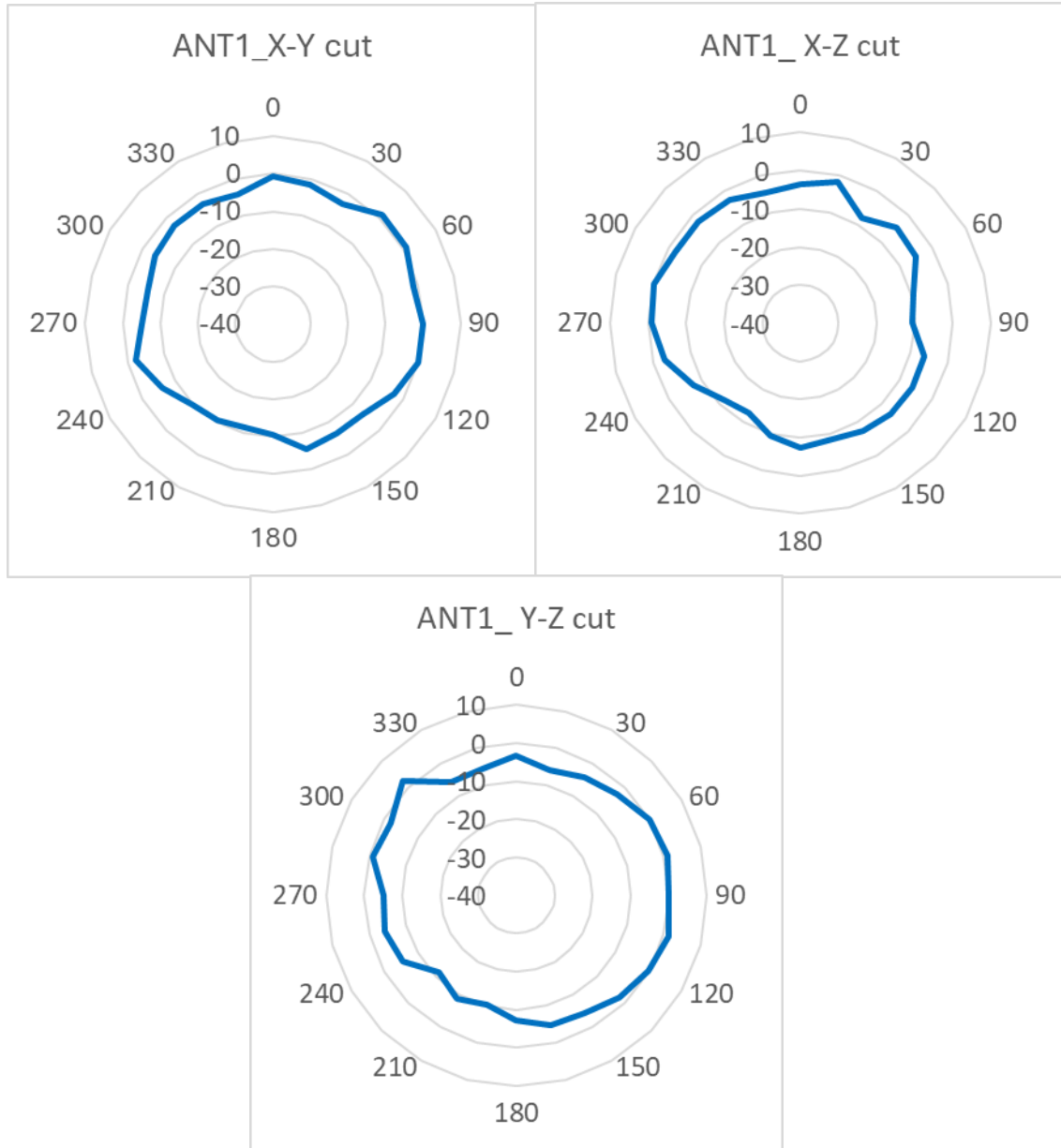
2472 MHz



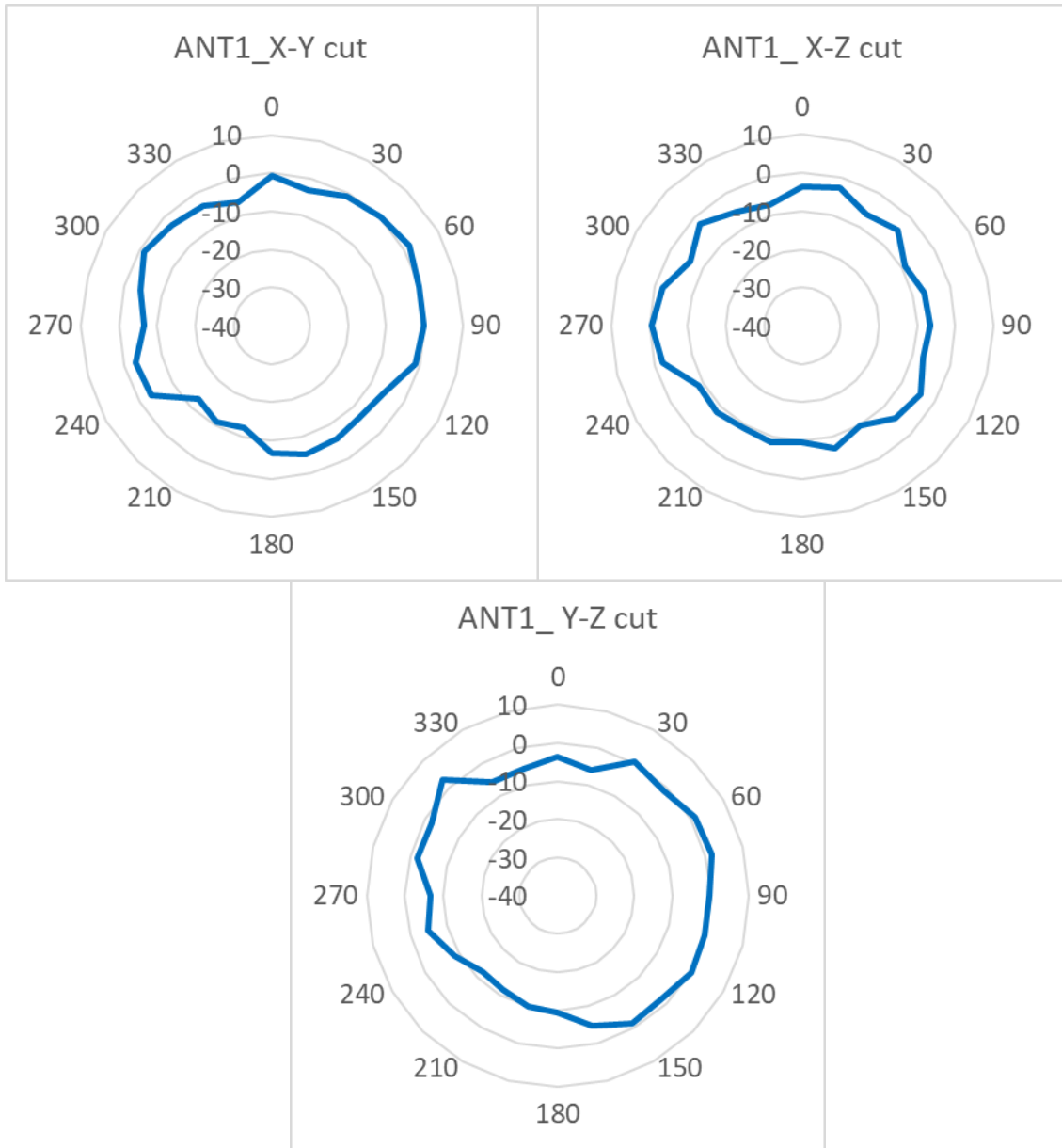
5180 MHz



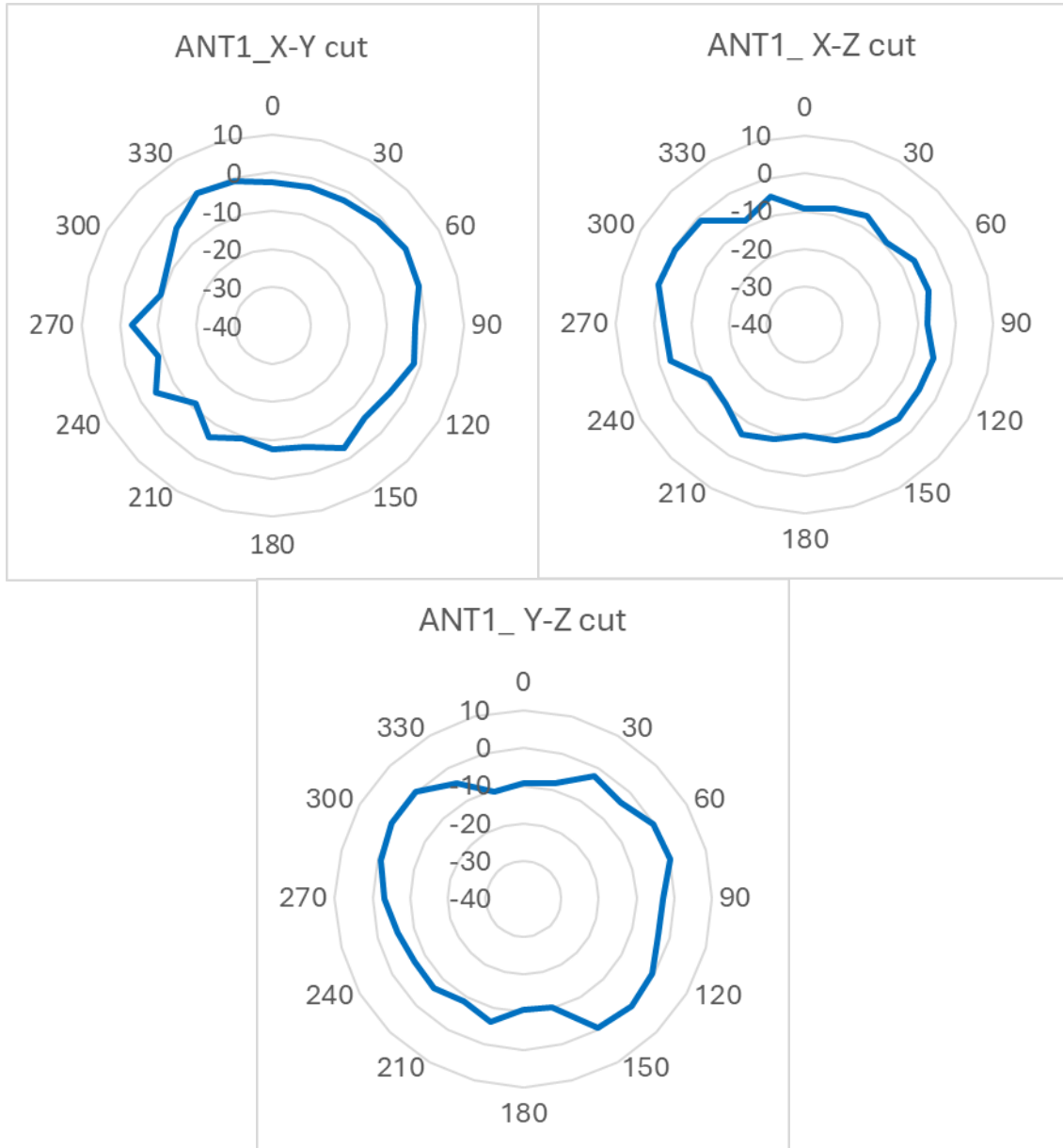
5300 MHz



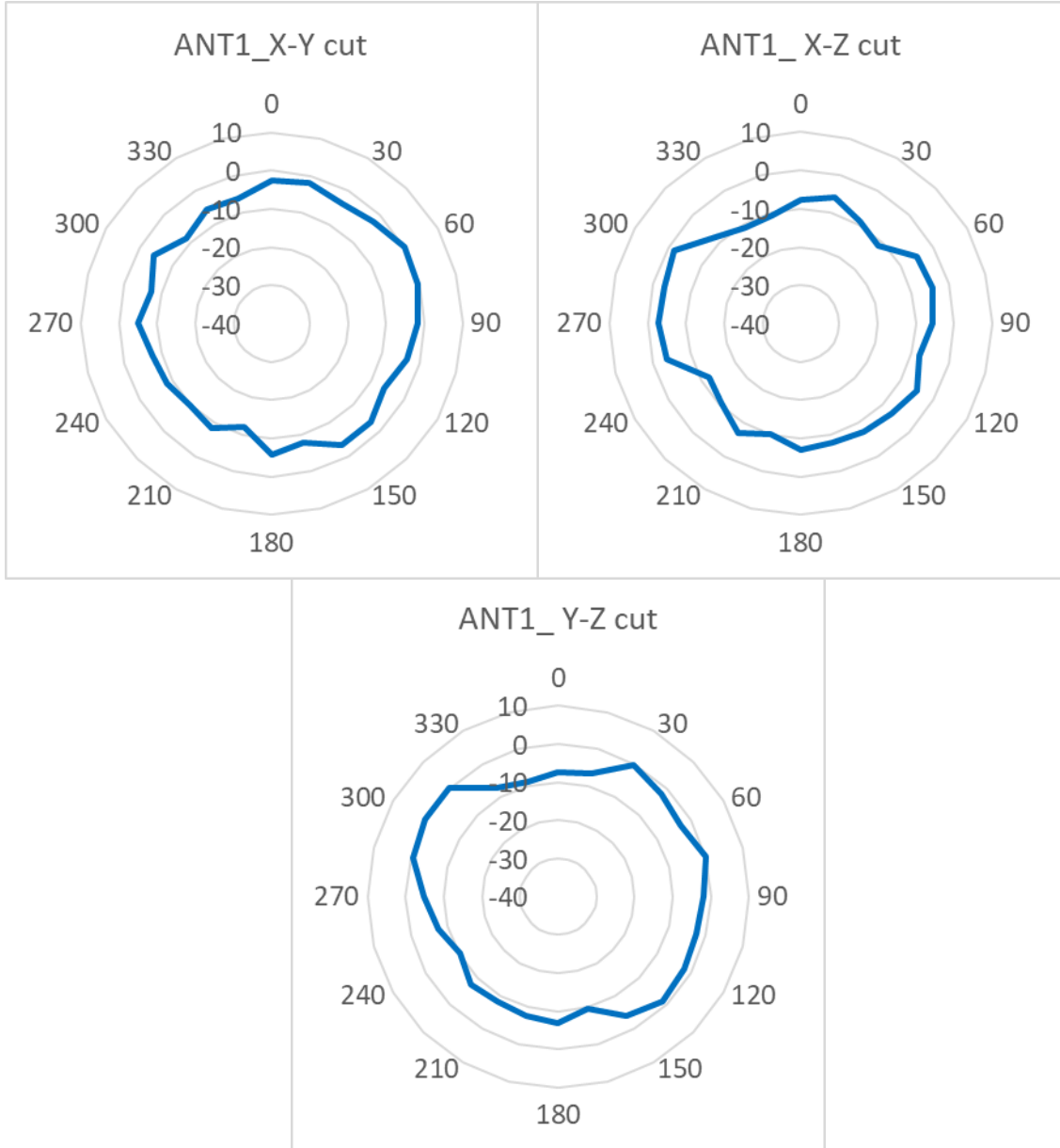
5500 MHz



5785 MHz

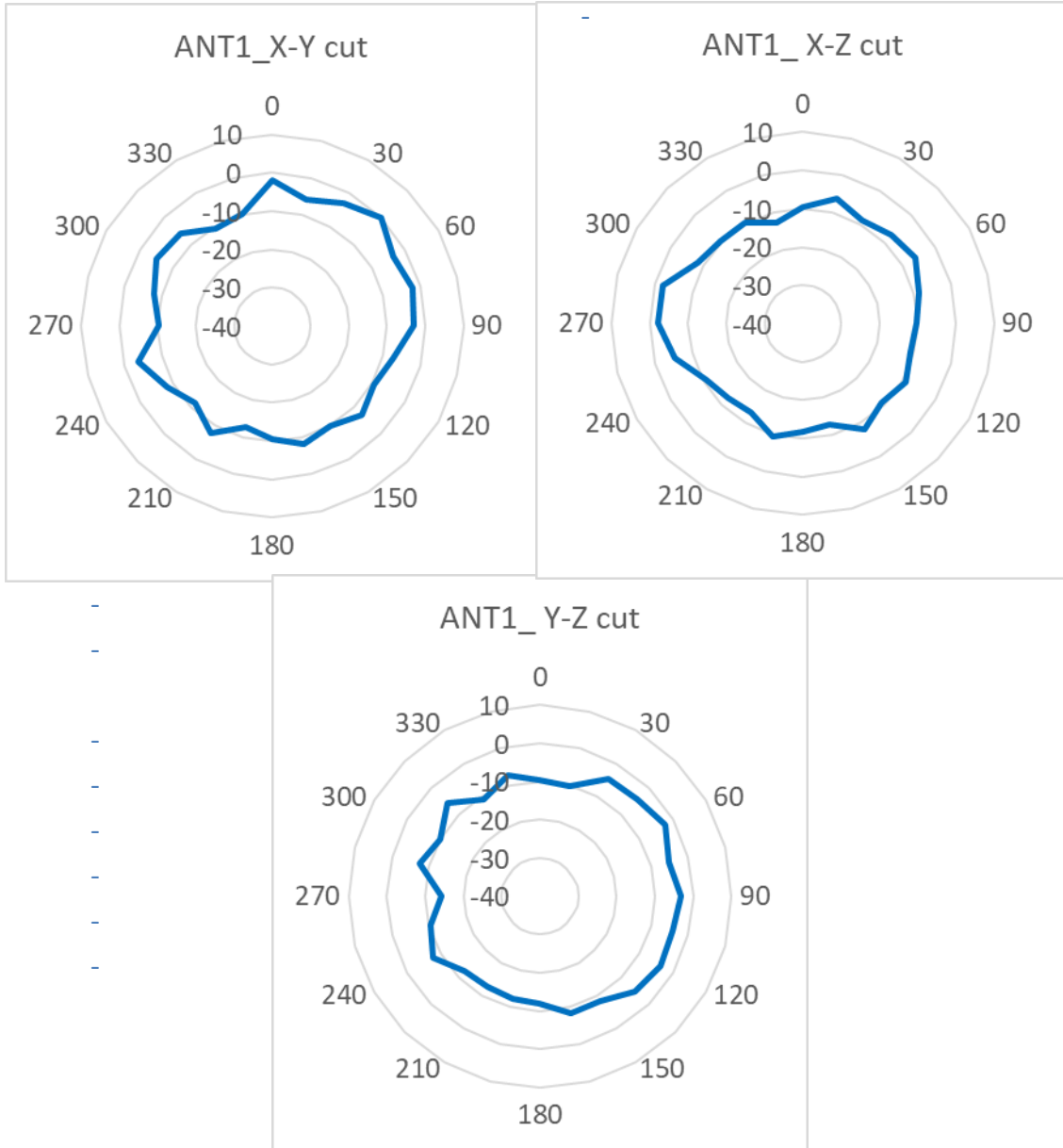


5805 MHz

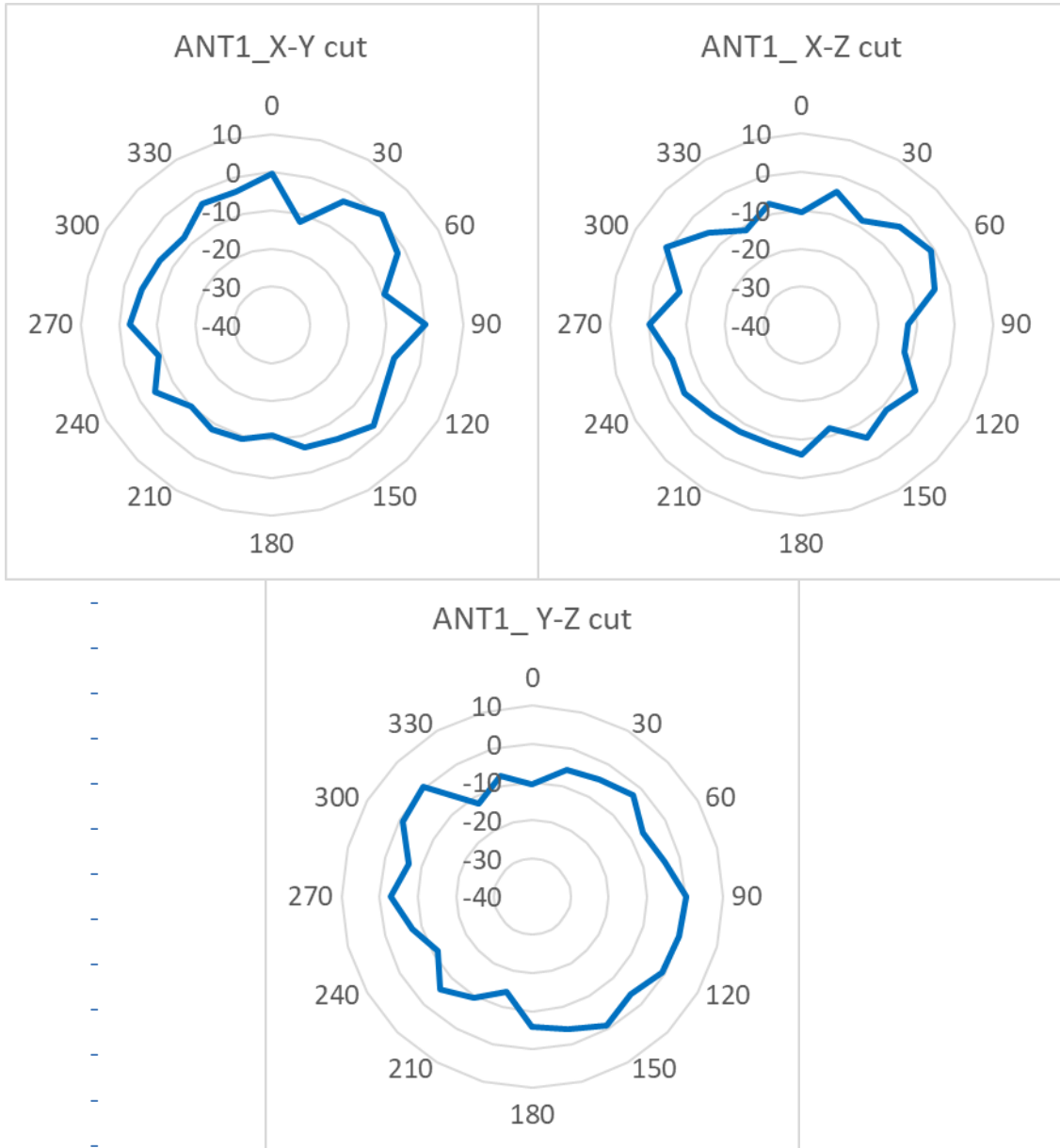




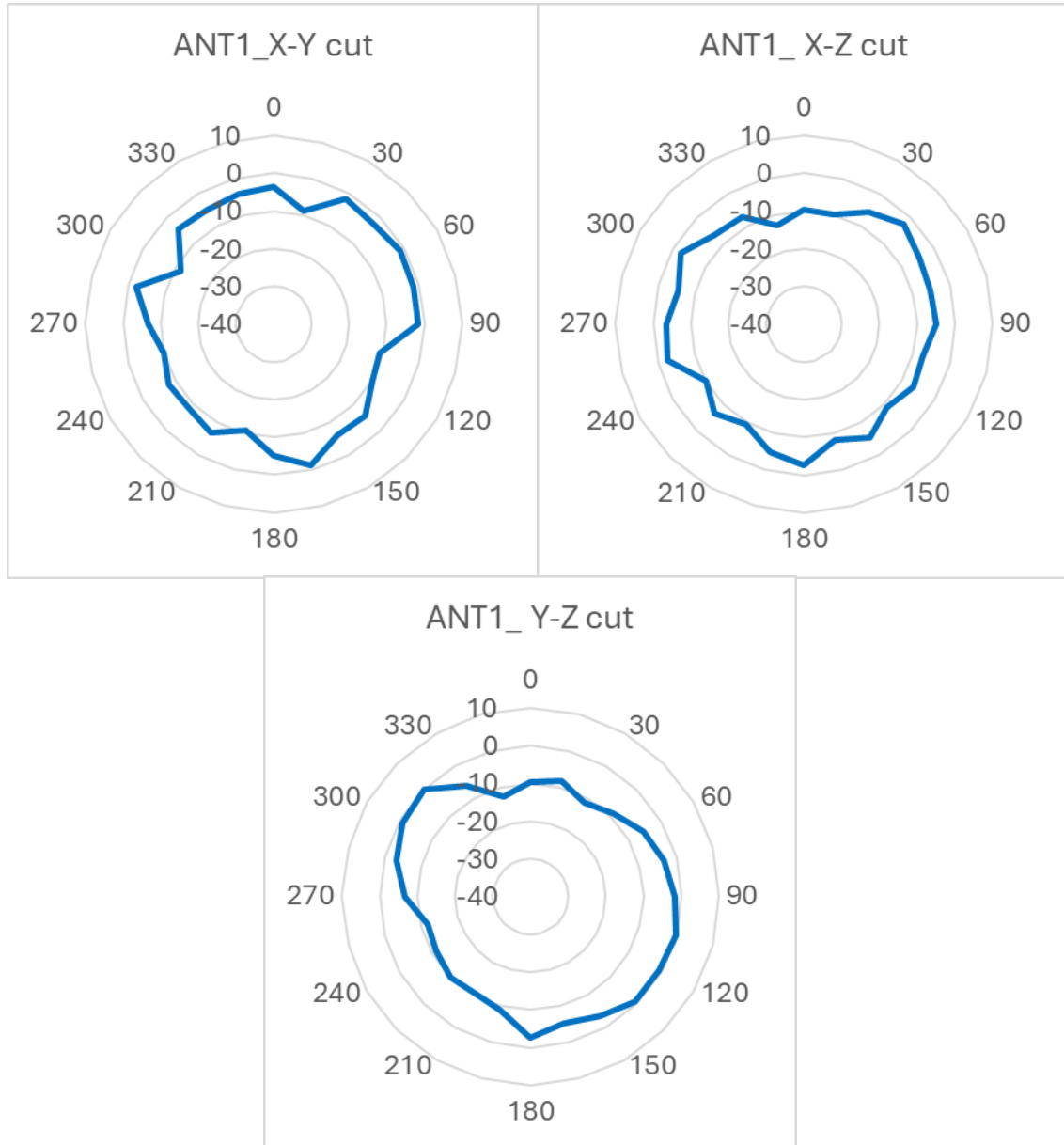
- 5955 MHz



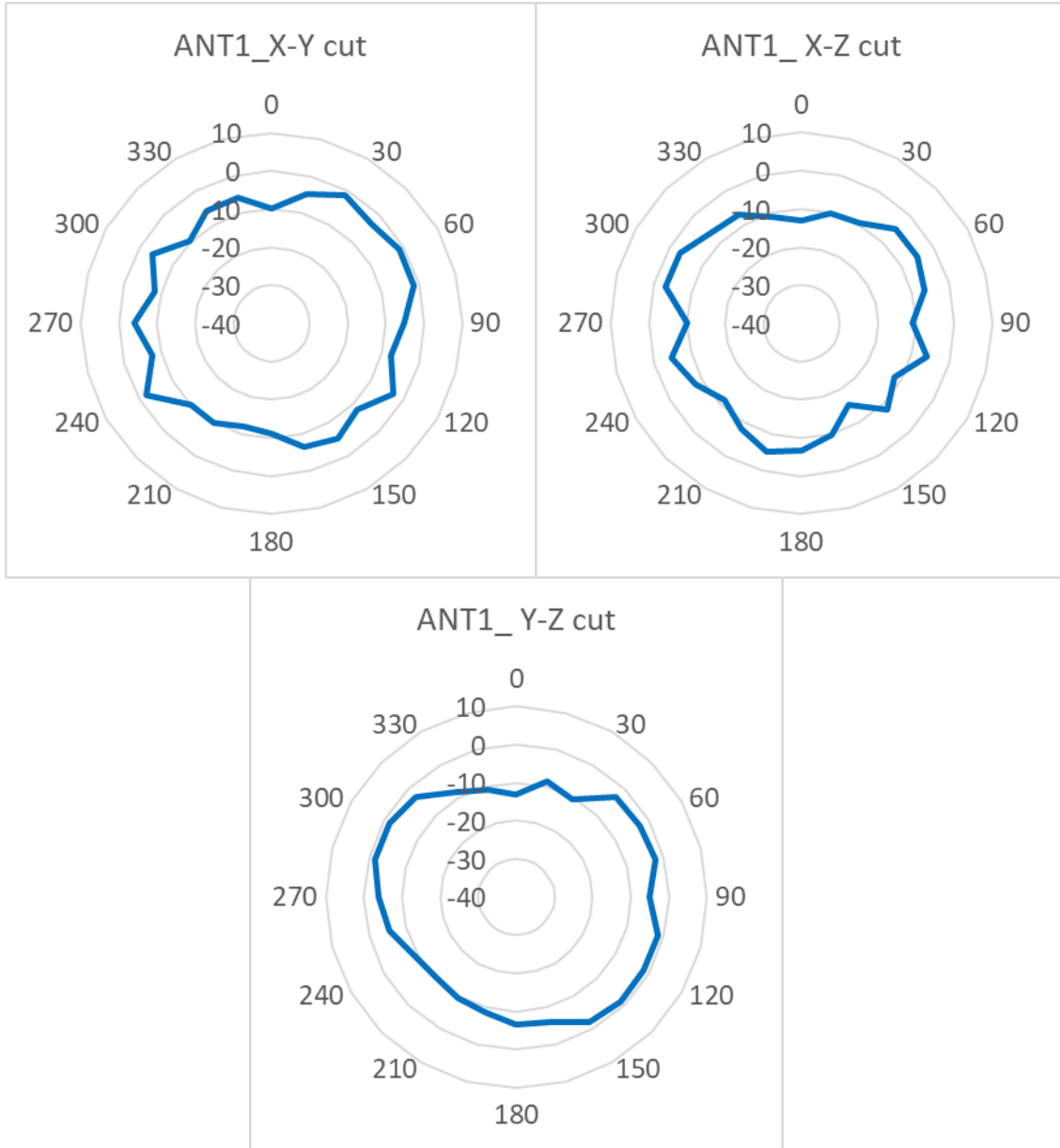
- 6455 MHz



6700 MHz

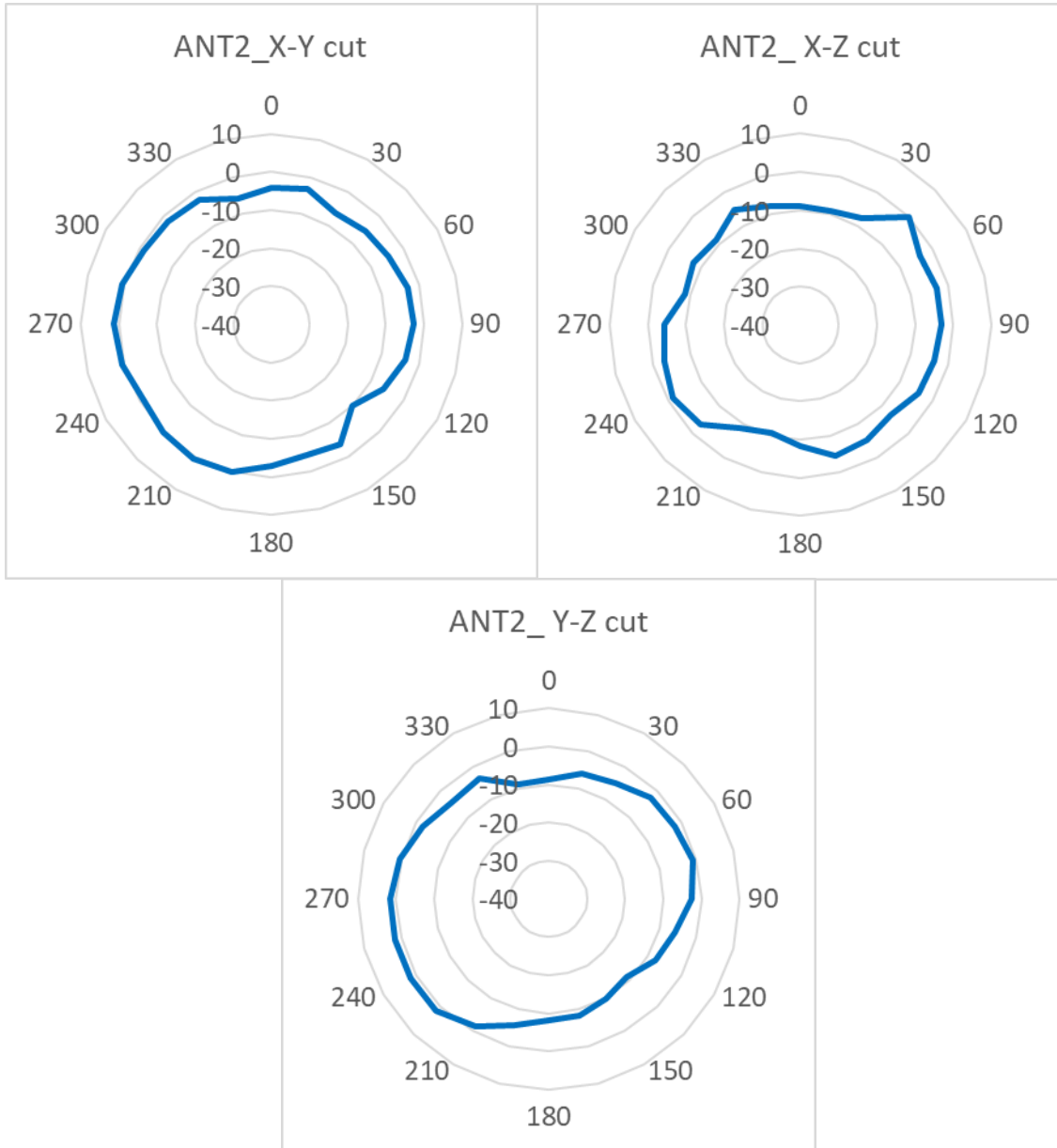


7015 MHz

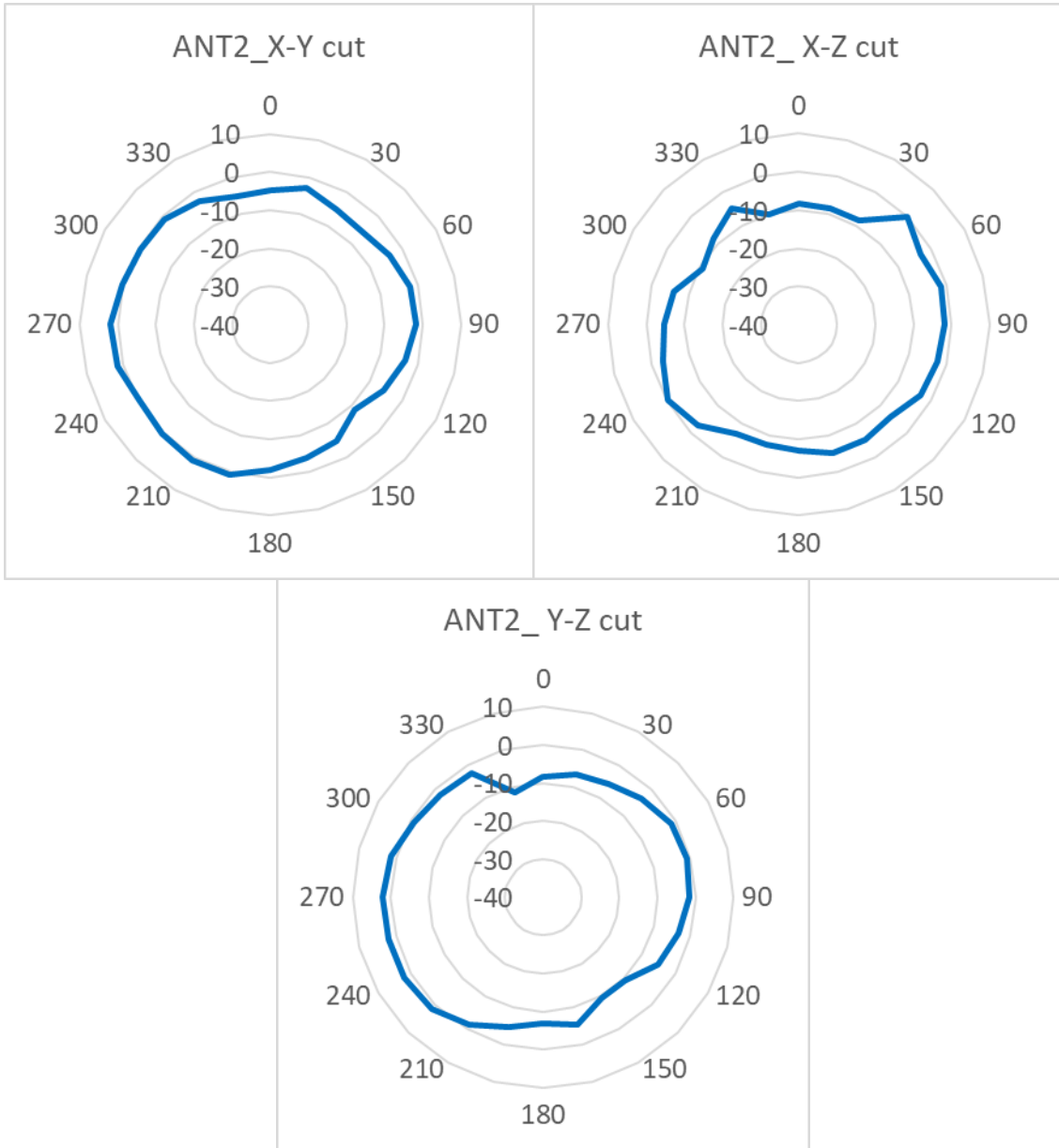


- Ant2

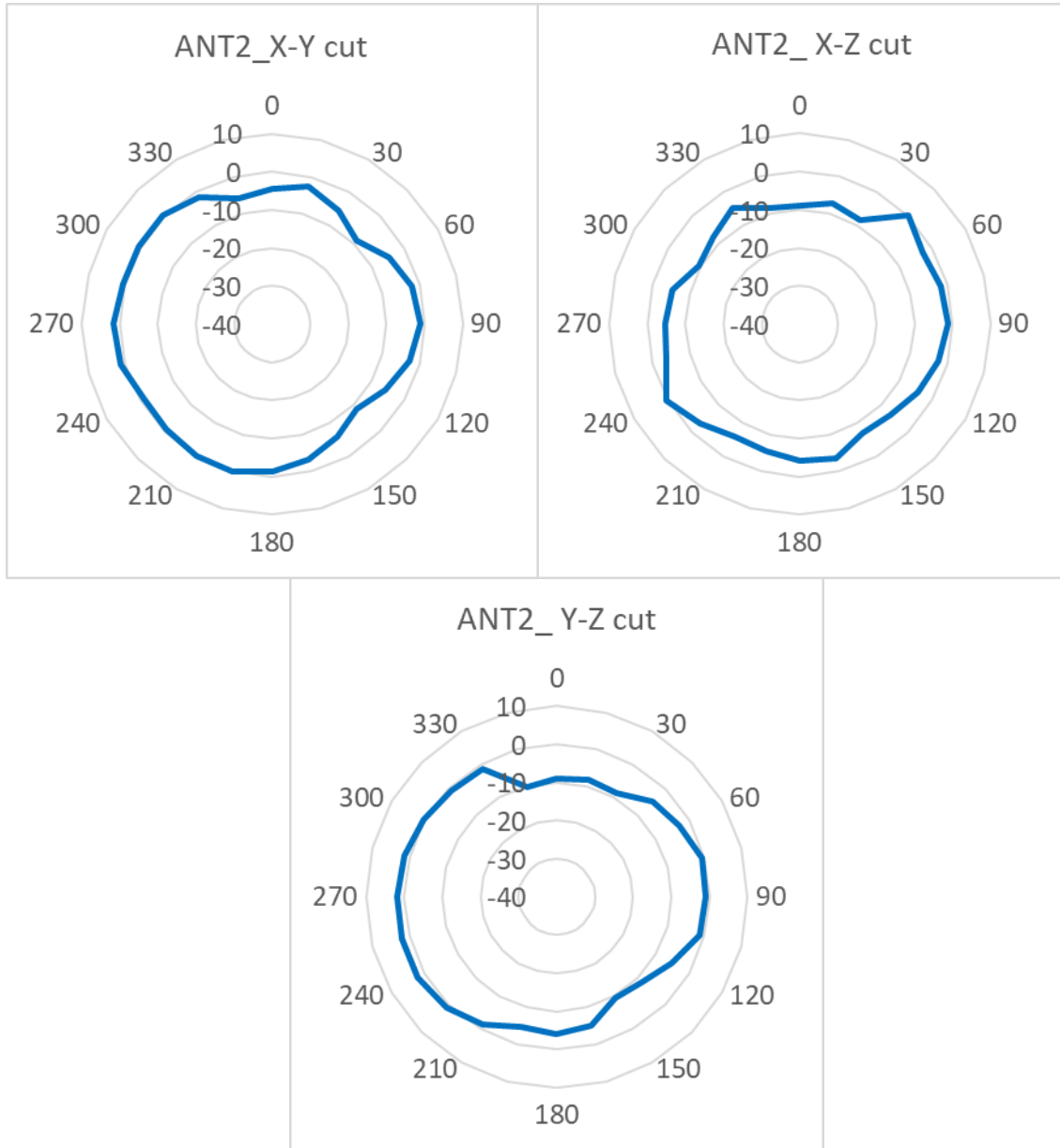
2400 MHz



2450 MHz

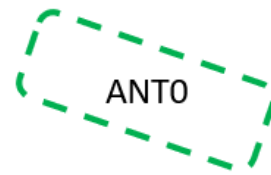


2480 MHz



3. Antenna Location

HMD Top View



HMD Bottom View

