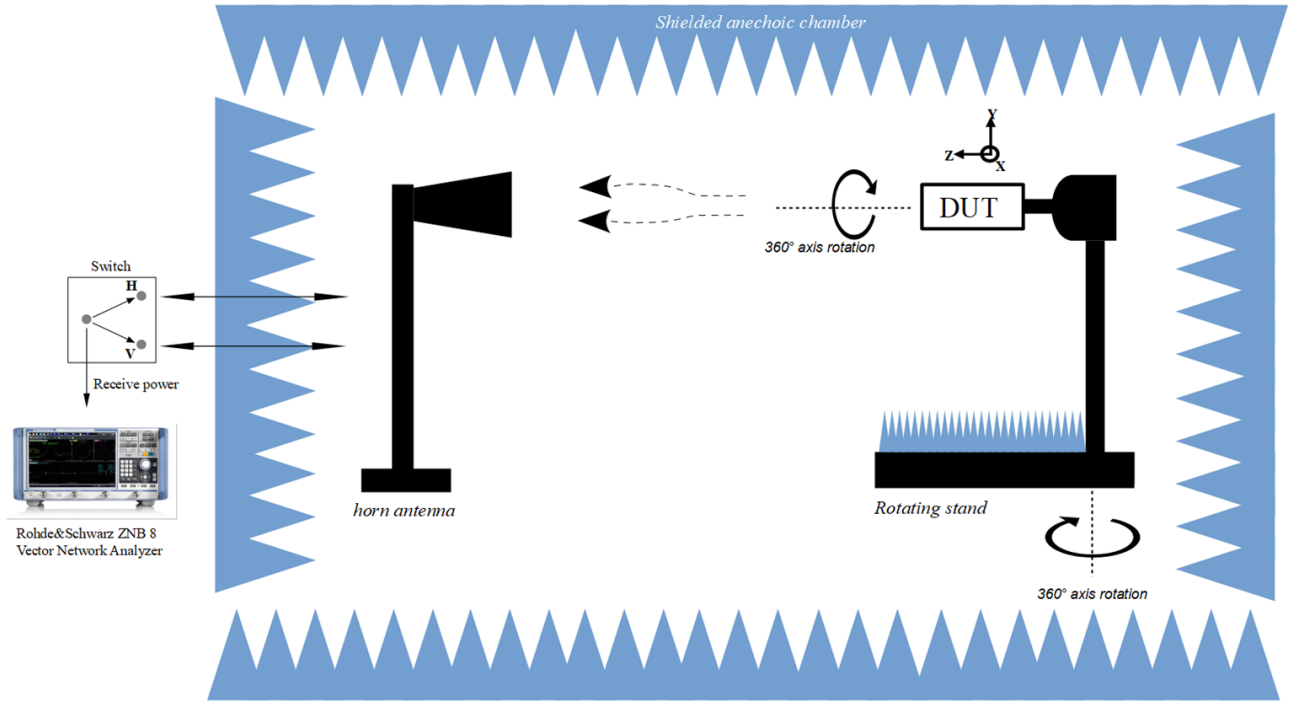
Mikrotikls SIA (SIA "Mikrotīkls")
Address: Unijas iela 2,
Rīga, LV-1039, Latvia
Phone: +371 67317700
Fax: +371 67317701
Email: Certification@mikrotik.com

Antenna details

Ant No.	Number of Antennas	Type	Manufacturer	Model	Family	Antenna Gain (dBi)	Frequency Band (MHz)
1	2	Internal/integral (Wi-Fi)	MikroTik	wAPG-5HaxD2HaxD dual band linearly polarized directional Flex PCB antenna	Directional	6.9	2400-2483.5
						7	5150-5895

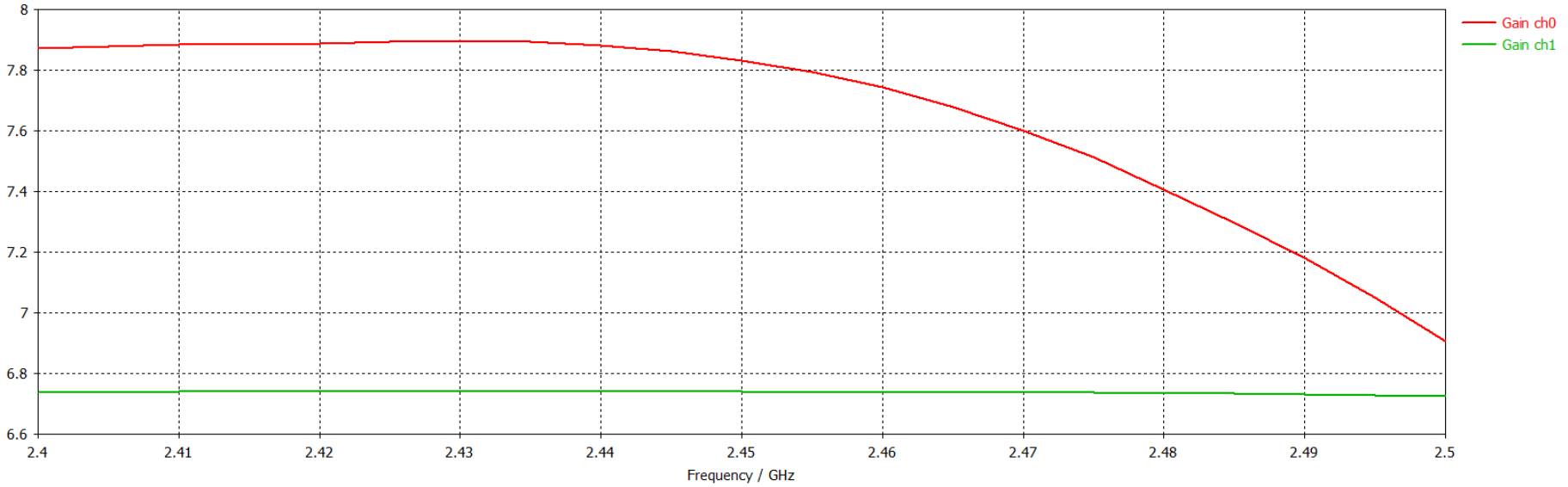
Antenna Gain Testing Setup



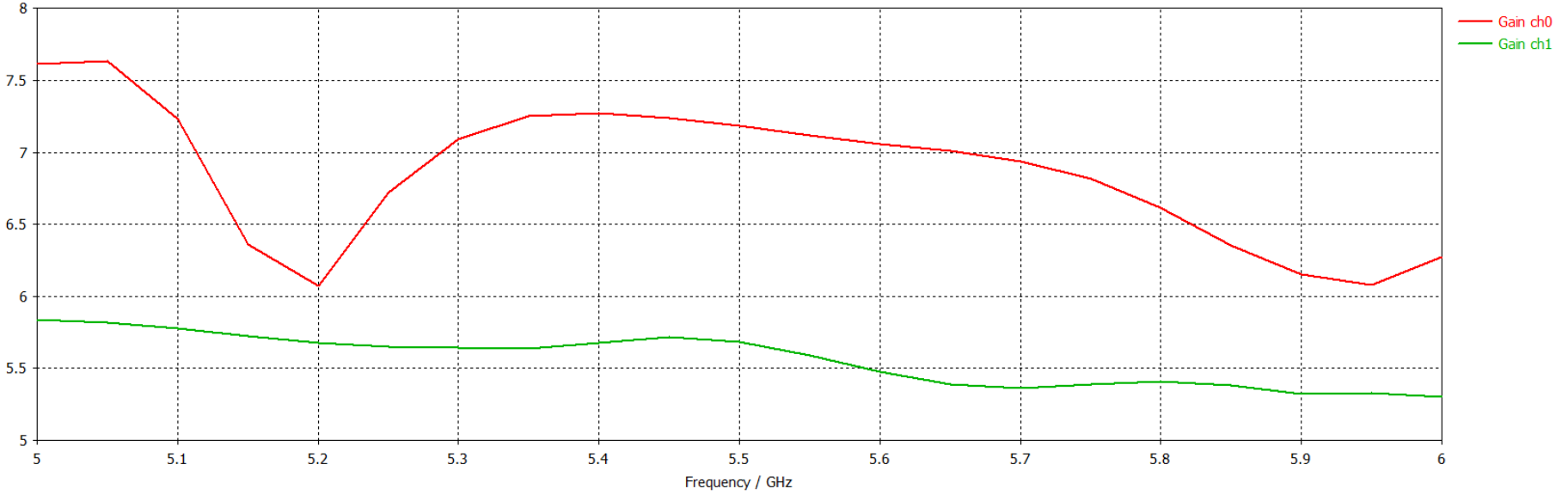
Explanation: Antenna testing is performed using the test setup above. Antenna gain is measured in 3d plane. The measurments are then taken and ran through CST studio Time domain solver sumulation system to draw Antenna peak gain diagram. Simulation is performed taking into account PCB with components, case desing, heatsink and etc.

Realized antenna gain Diagram

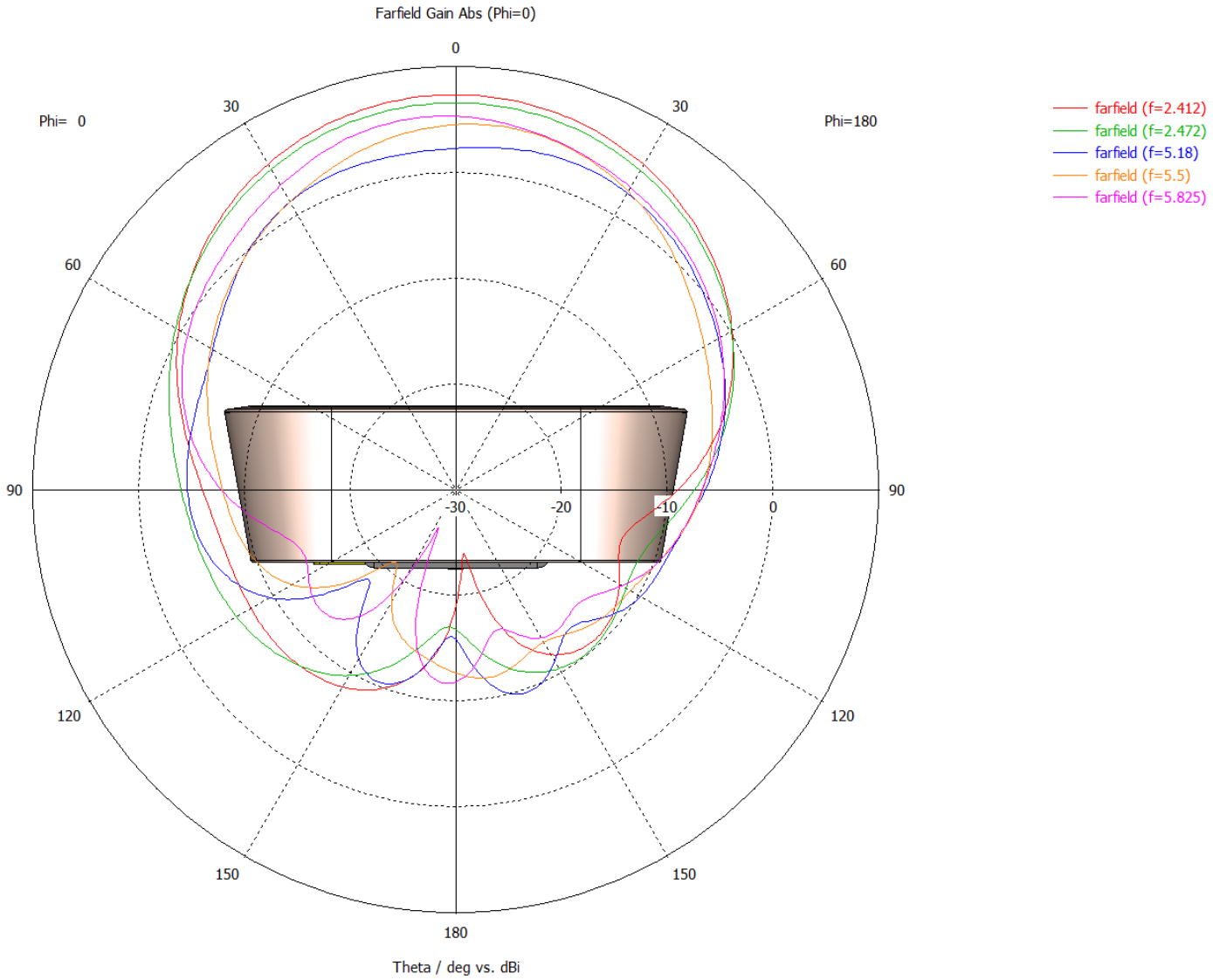
Antenna gain in 2.4 GHz frequency band



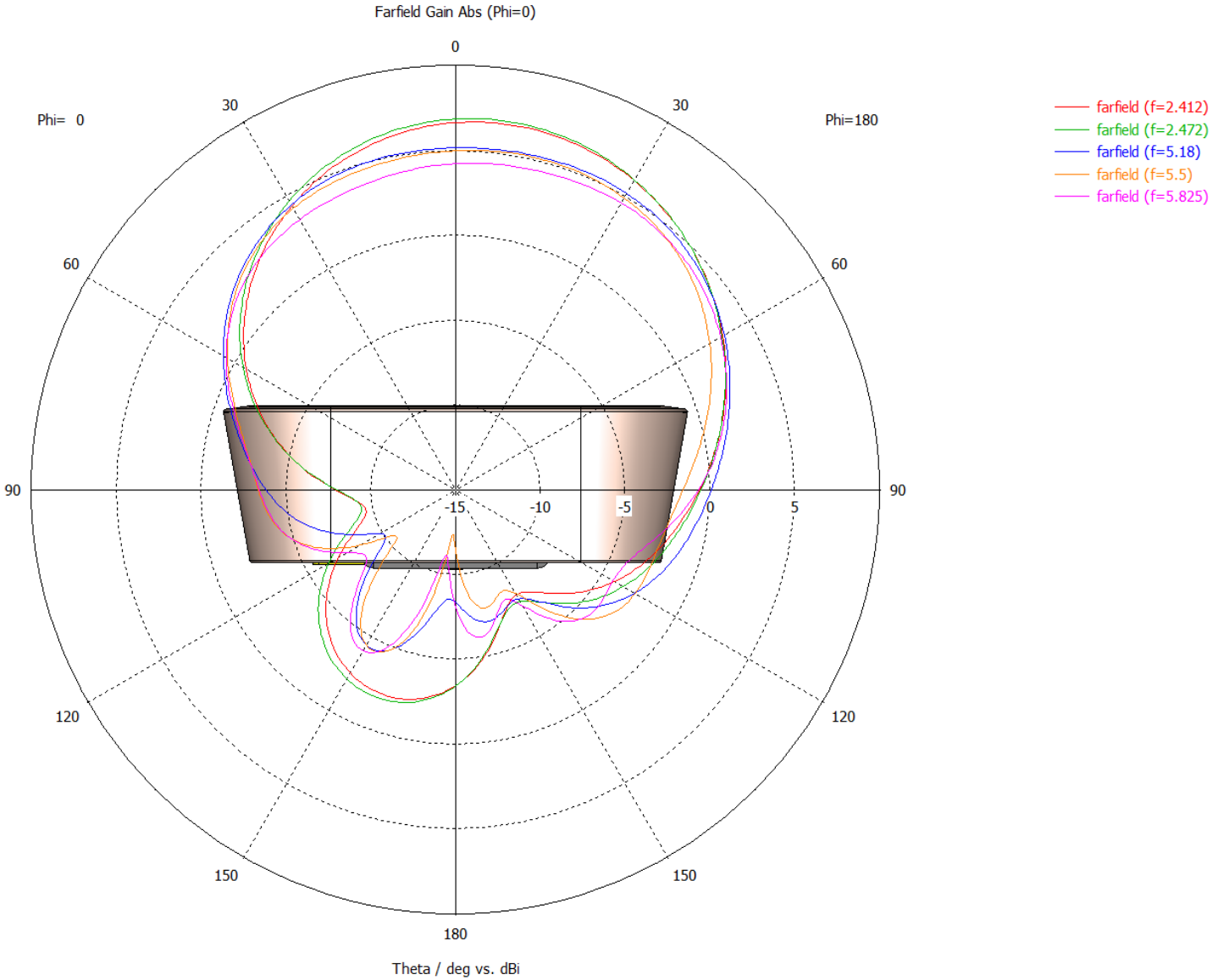
Antenna gain in 5 GHz frequency band



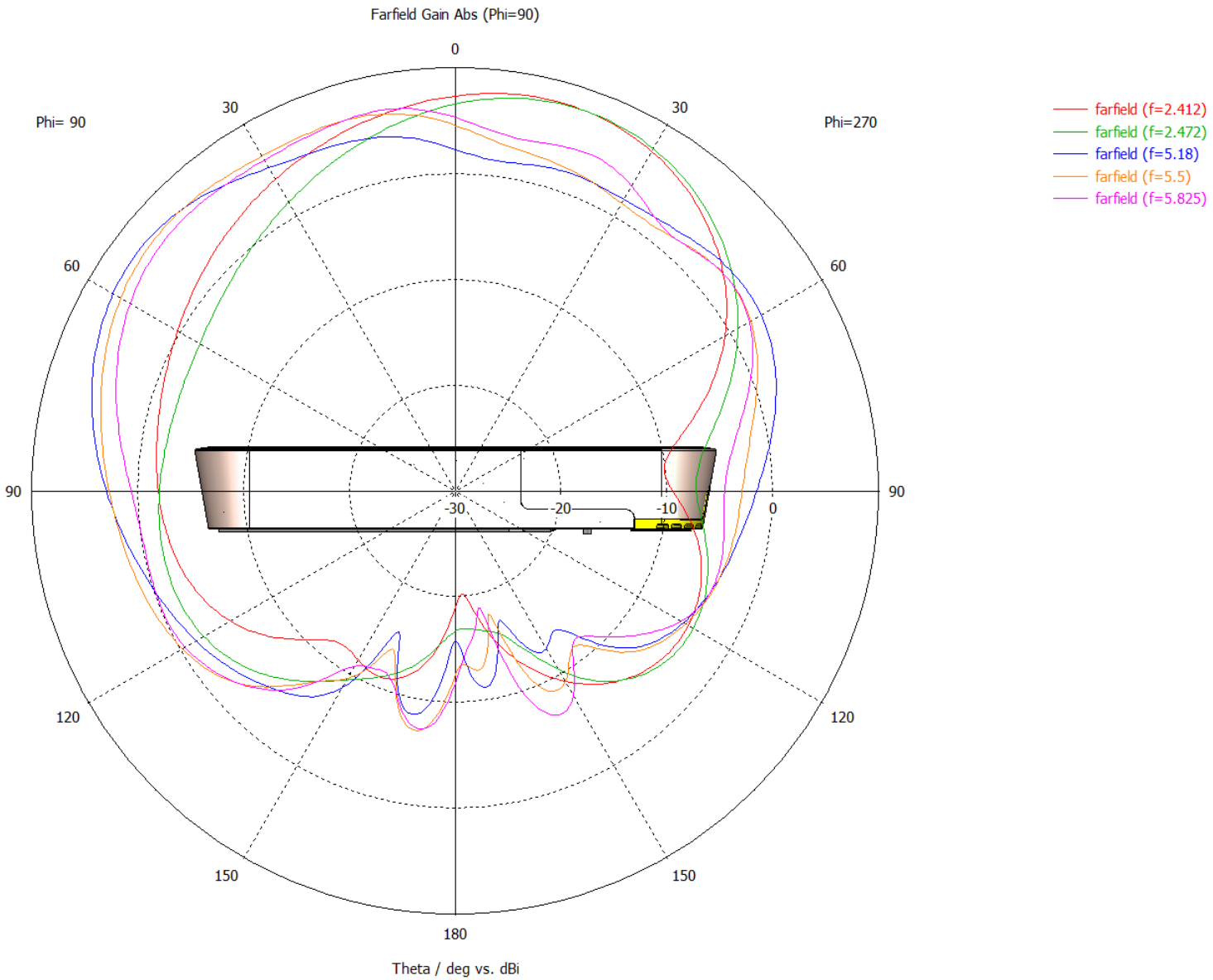
Radiation Pattern Results for chain0



Radiation Pattern Results for chain1



Radiation Pattern Results for chain0



Radiation Pattern Results for chain1