



REVISION HISTORY

Rev.	Revised Section/Paragraph
A	Creation

	Datasheet - Platinum BLE Antennas	<i>Document ref.</i>	<i>Rev.</i>
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1 Objective

Objective of this document is to provide the gain and radiation pattern for the PLATINIUM BLE defibrillators to be commercialized in United States of America.

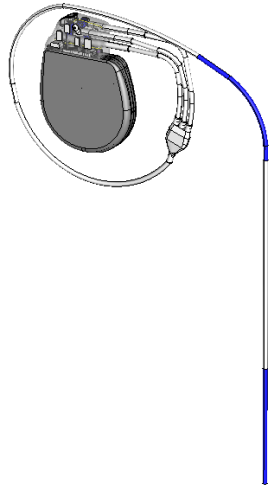

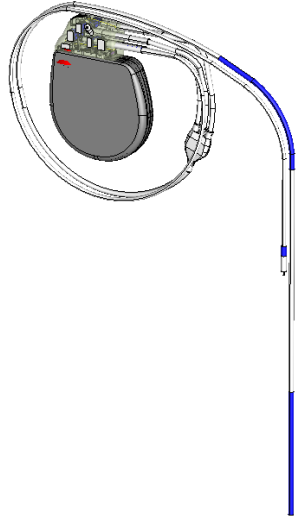

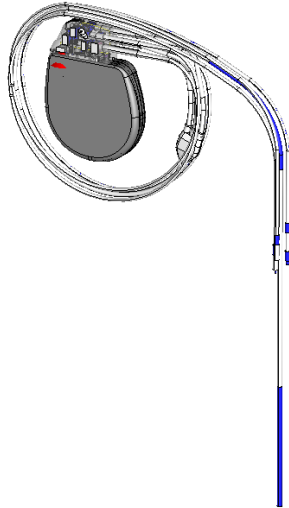

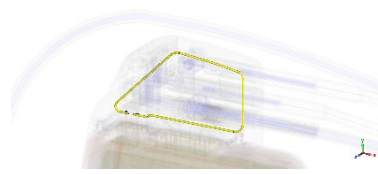
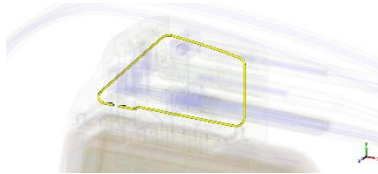
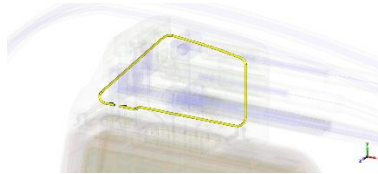
2 General description

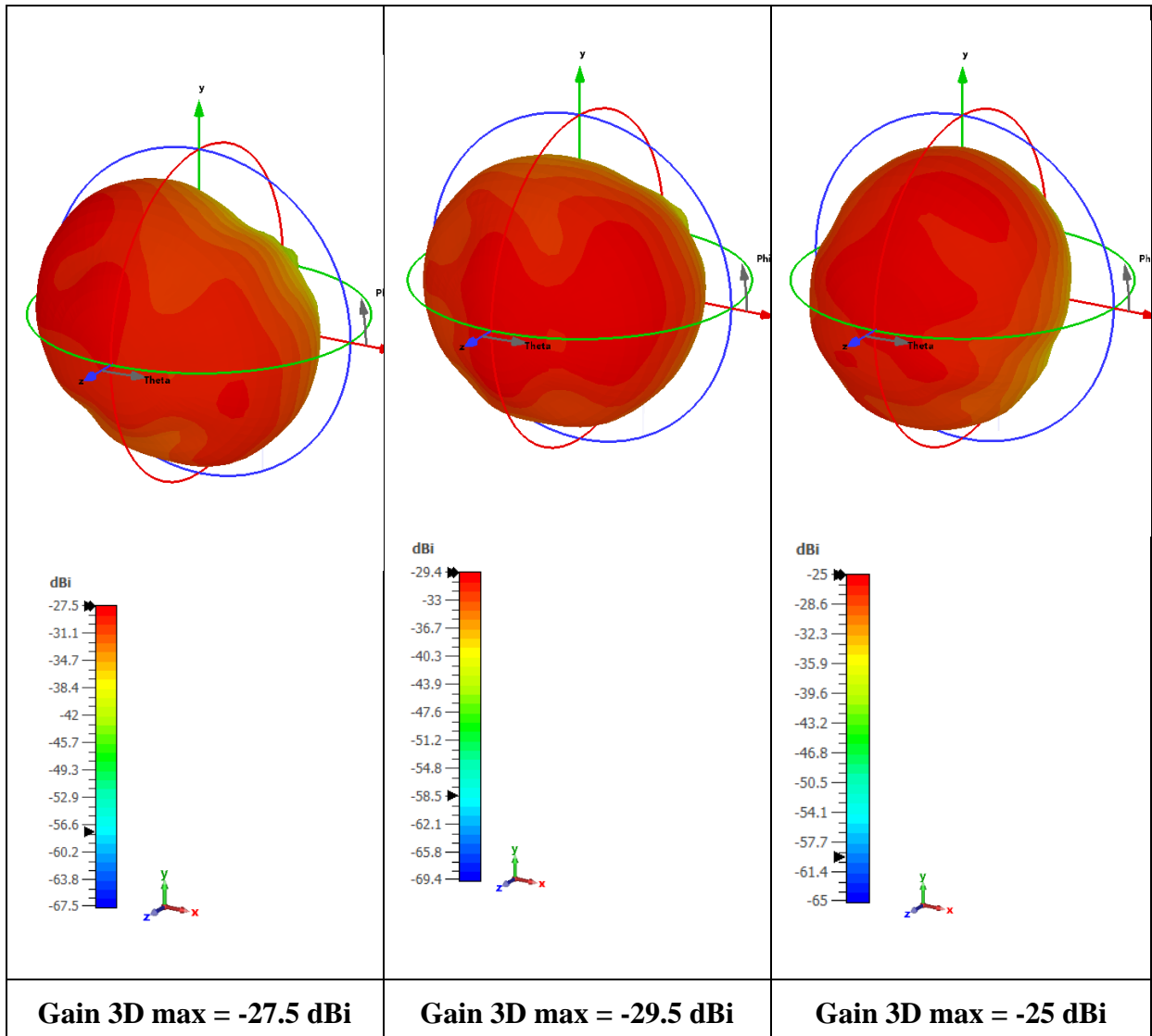
The gain and radiation pattern of each device is calculated by means of numerical computing. The implantable medical devices are designed to work into the human body so dielectric characteristics of human body are considering in the numerical model.

2.1 Gain and Radiation pattern results

2.1.1 Devices with G440E Antenna

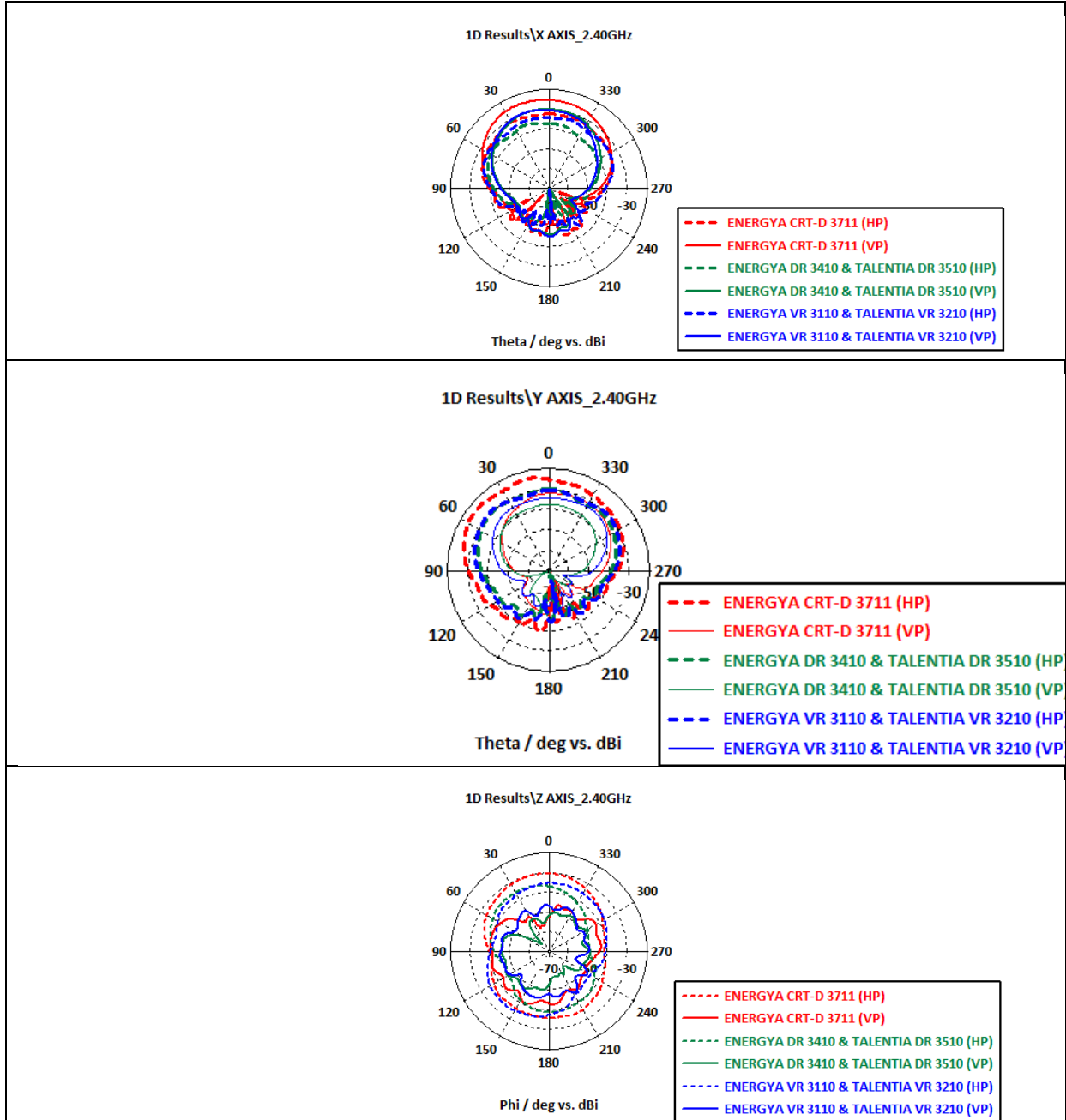
The devices with G440E antenna and 3D Gain at fc (2440MHz) are:

  <p>ENERGYA VR 3110 TALENTIA VR 3210</p>	  <p>ENERGYA DR 3410 TALENTIA DR 3510</p>	  <p>ENERGYA CRT-D 3711</p>
 <p>Antenna G440E</p>	 <p>Antenna G440E</p>	 <p>Antenna G440E</p>

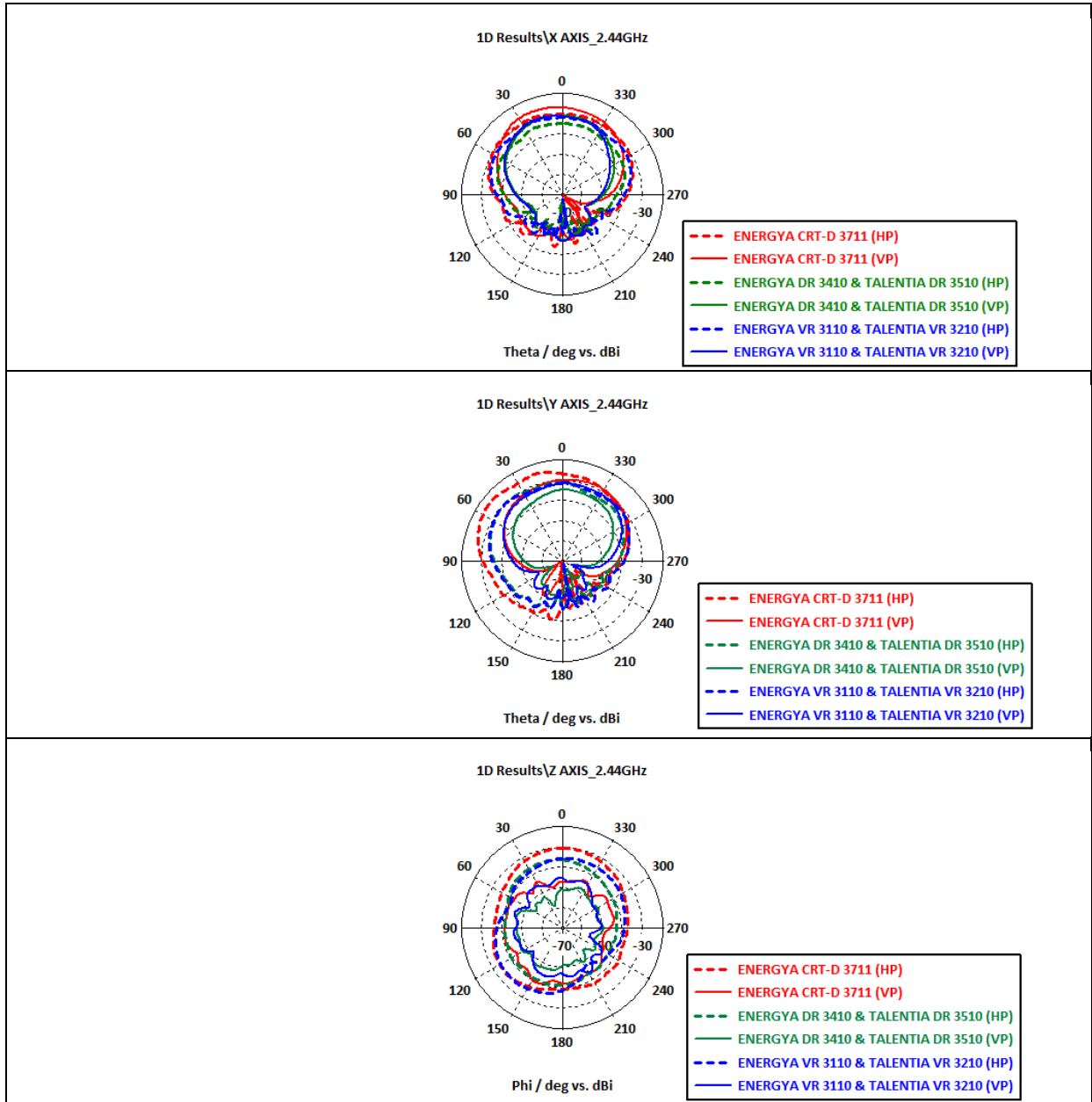


The 2D Radiation Pattern is:

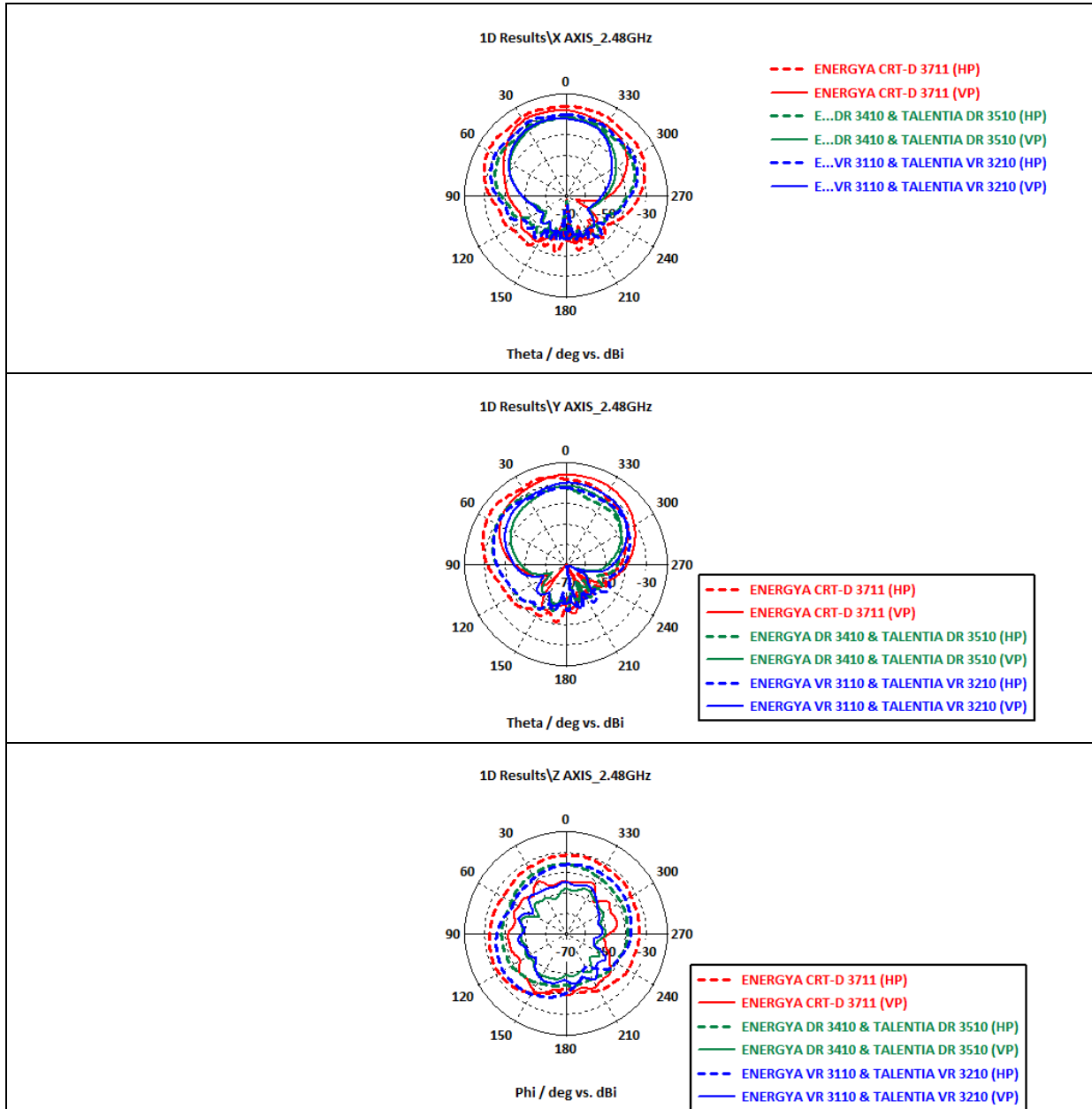
- For Min frequency



- Middle frequency

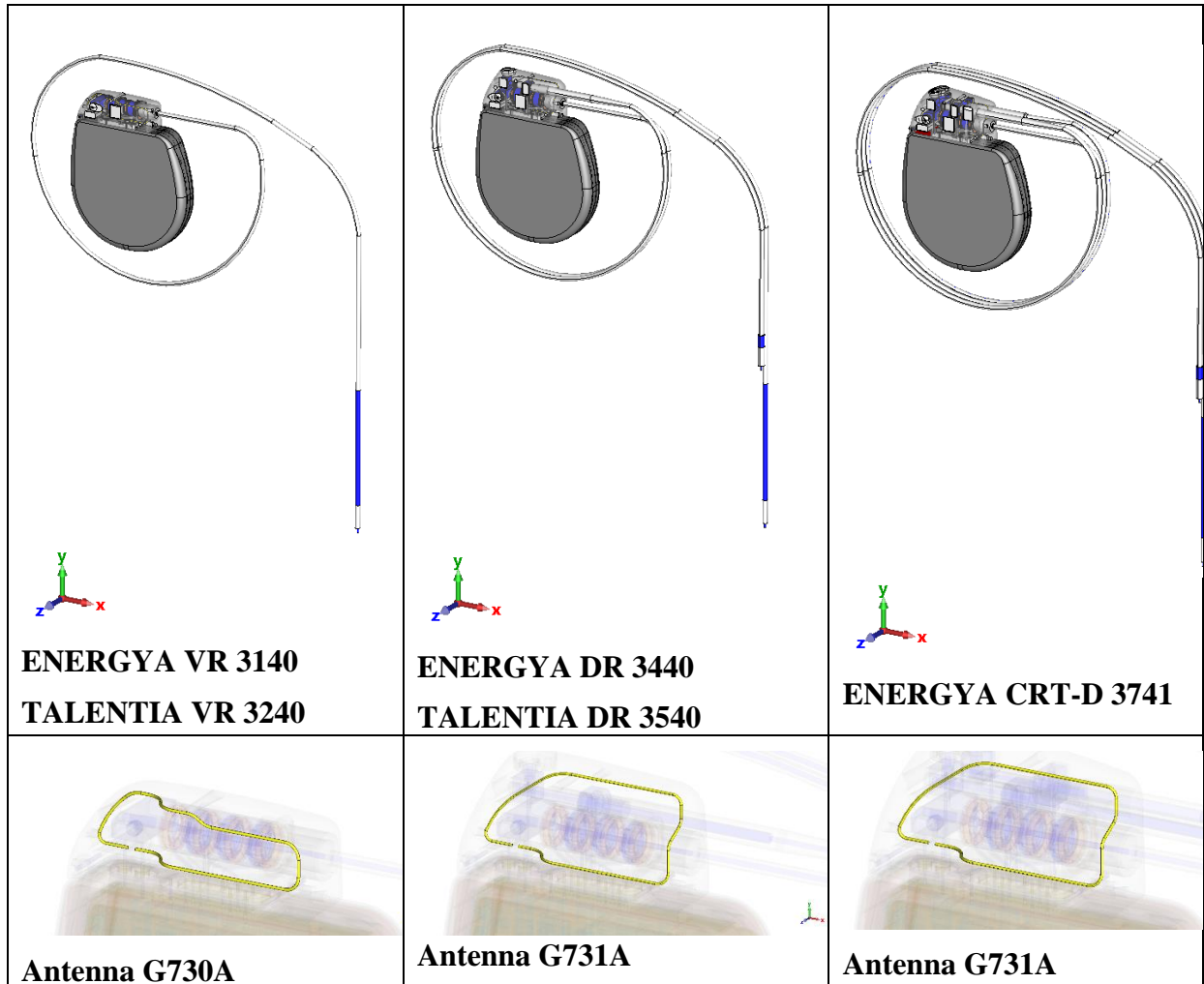


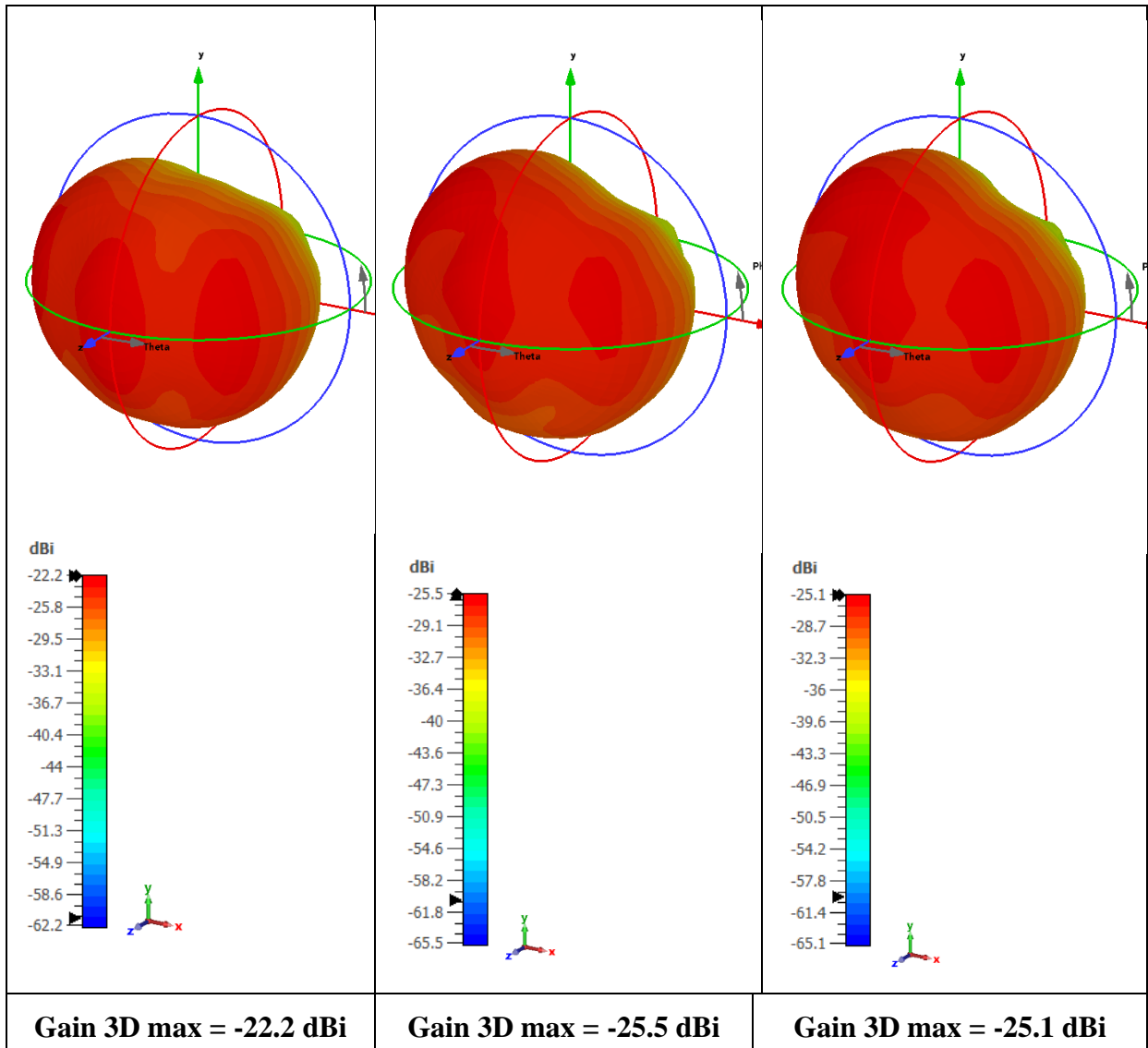
- Max frequency



2.1.1 Devices with G730A and G731A Antennas

The devices with G730A and G731A antennas and 3D Gain at f_c (2440MHz) are:





The 2D Radiation Pattern is:

- Min frequency

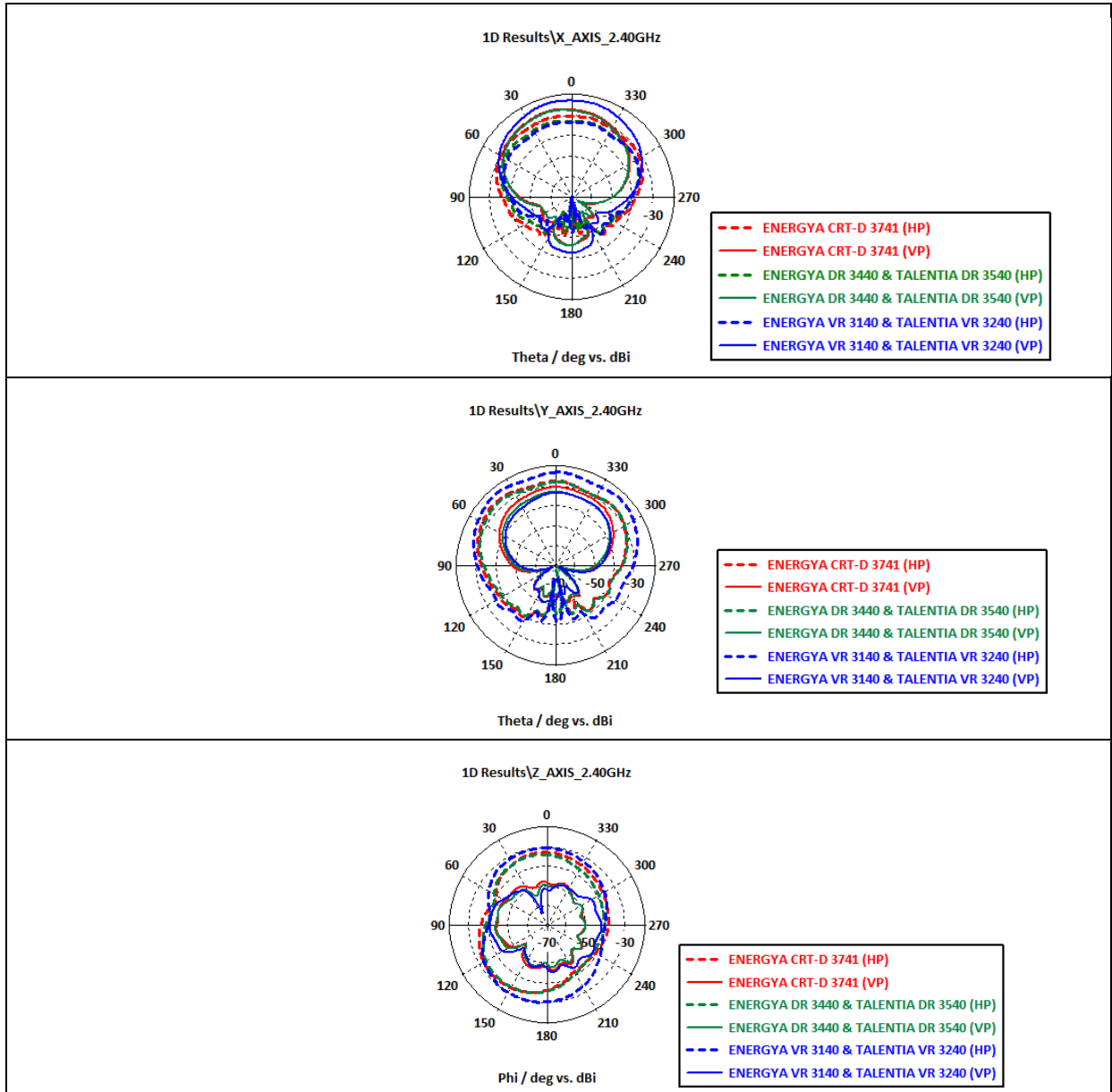
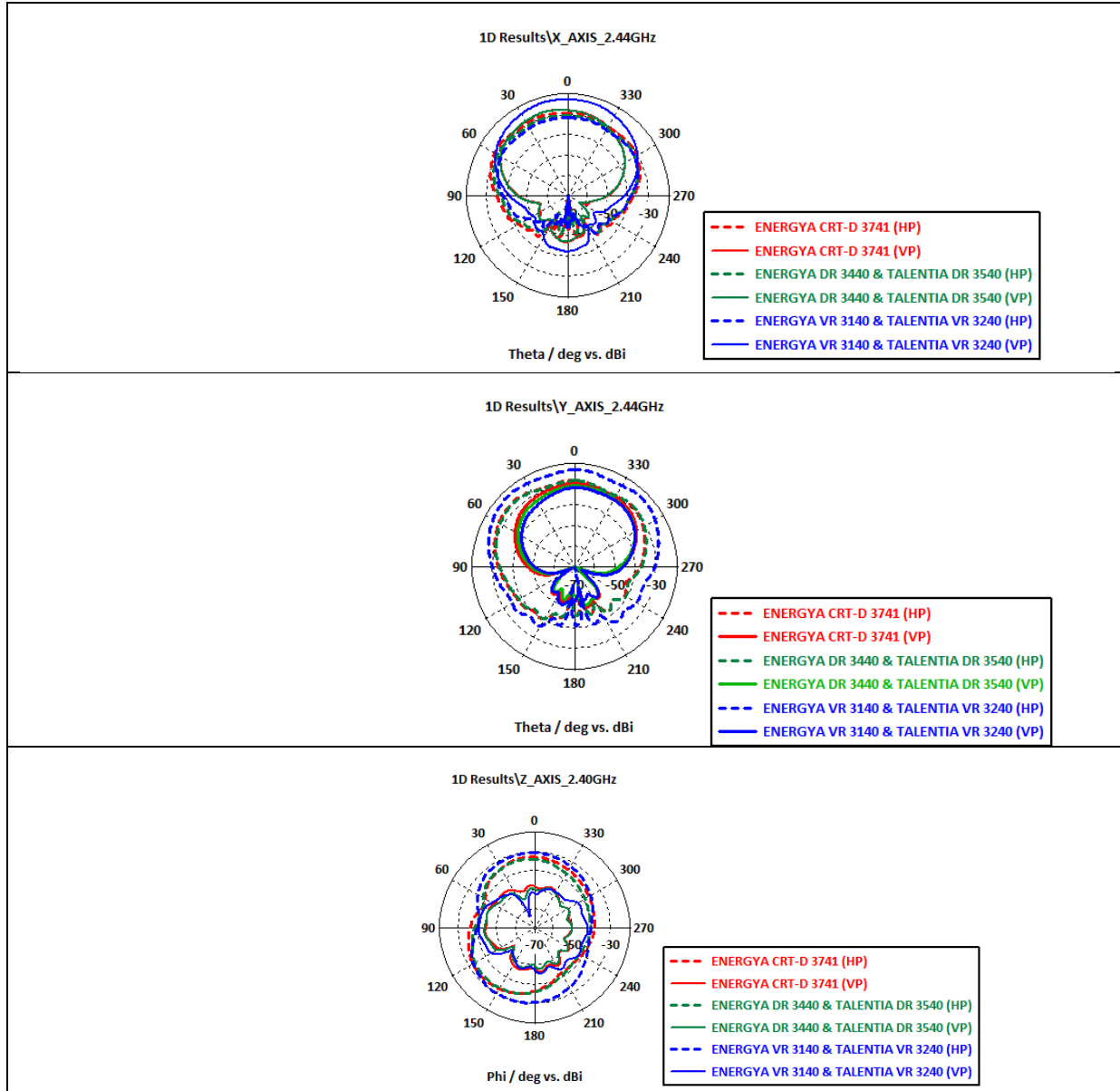
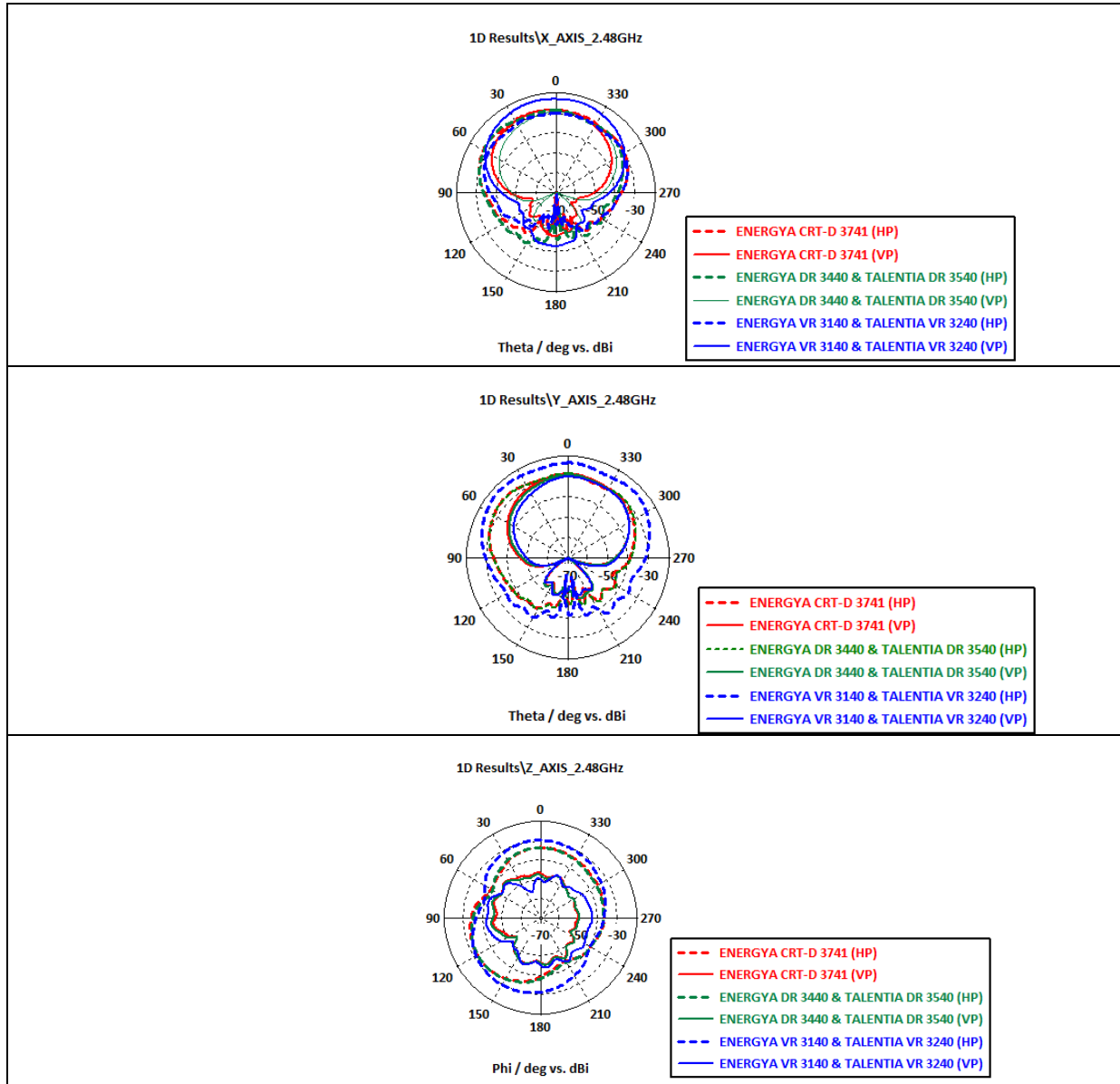


Figure 1 : Radiation pattern for IS1 Devices with G730A and G731A Antennas

- Middle frequency

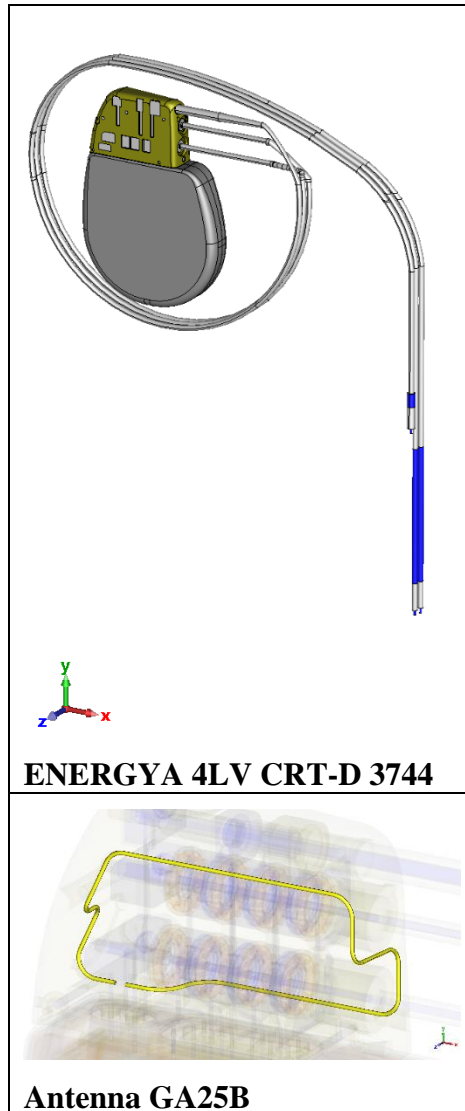


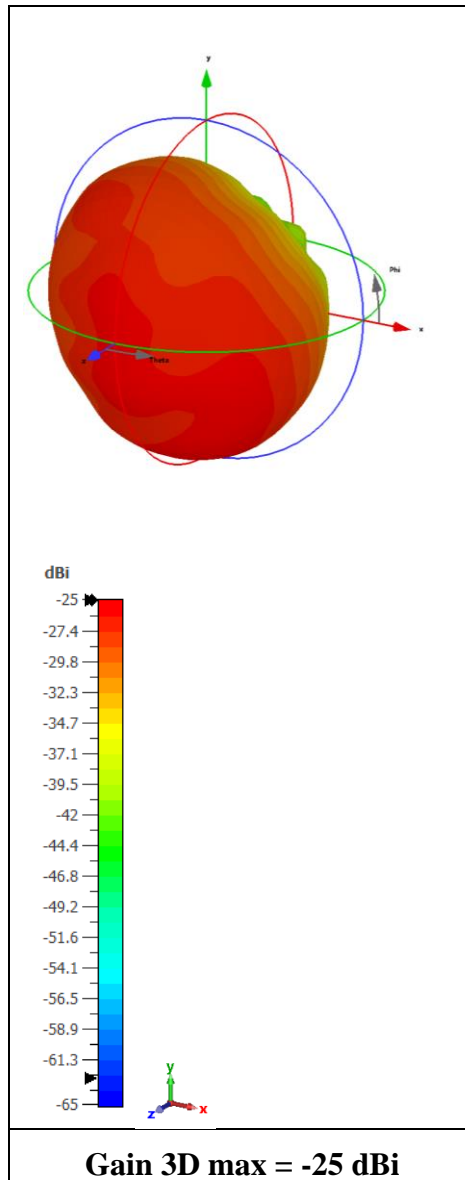
- Max frequency



2.1.2 Devices with GA25B Antenna

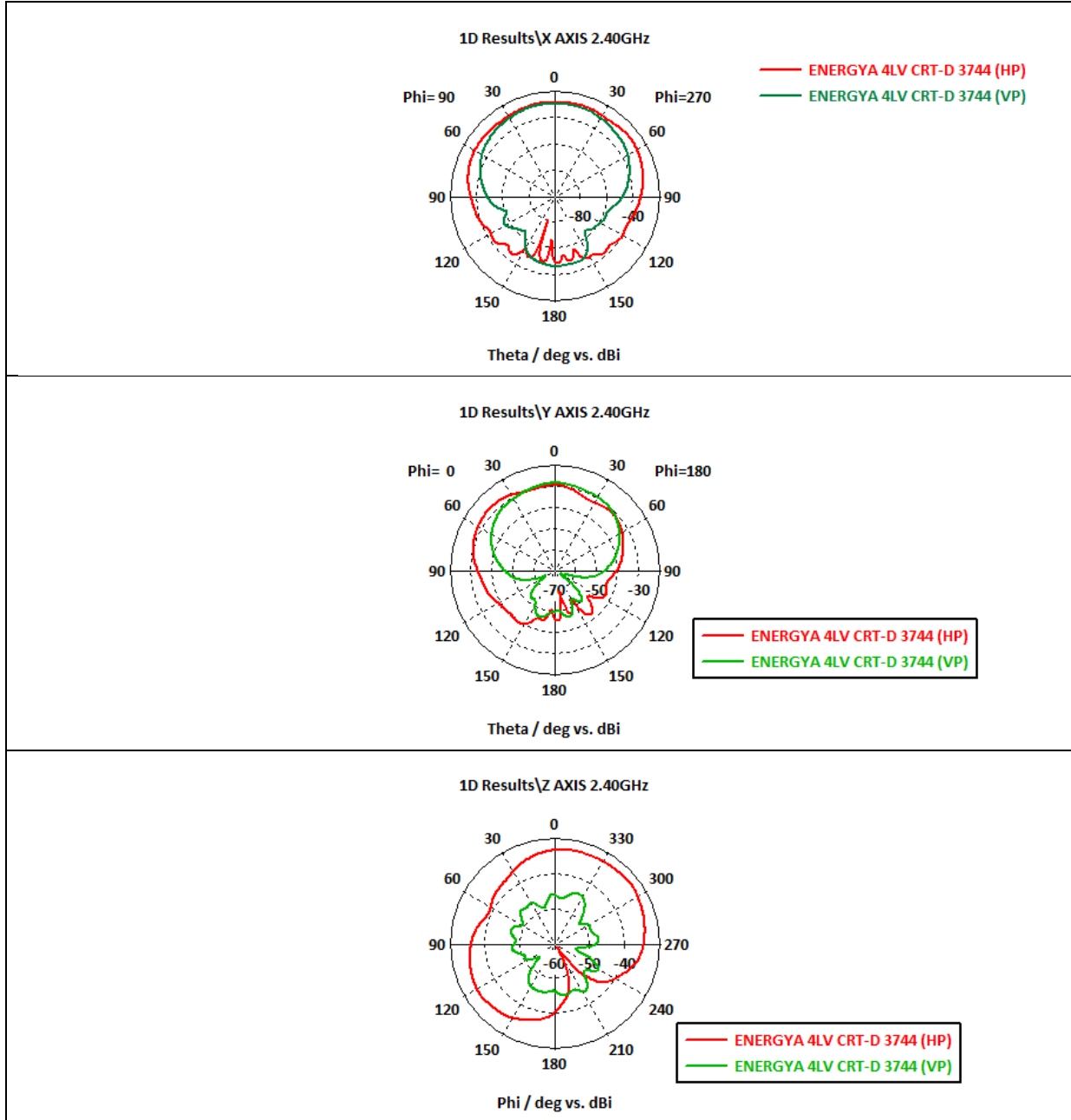
The device with GA25B antenna and 3D Gain at f_c (2440MHz) are:



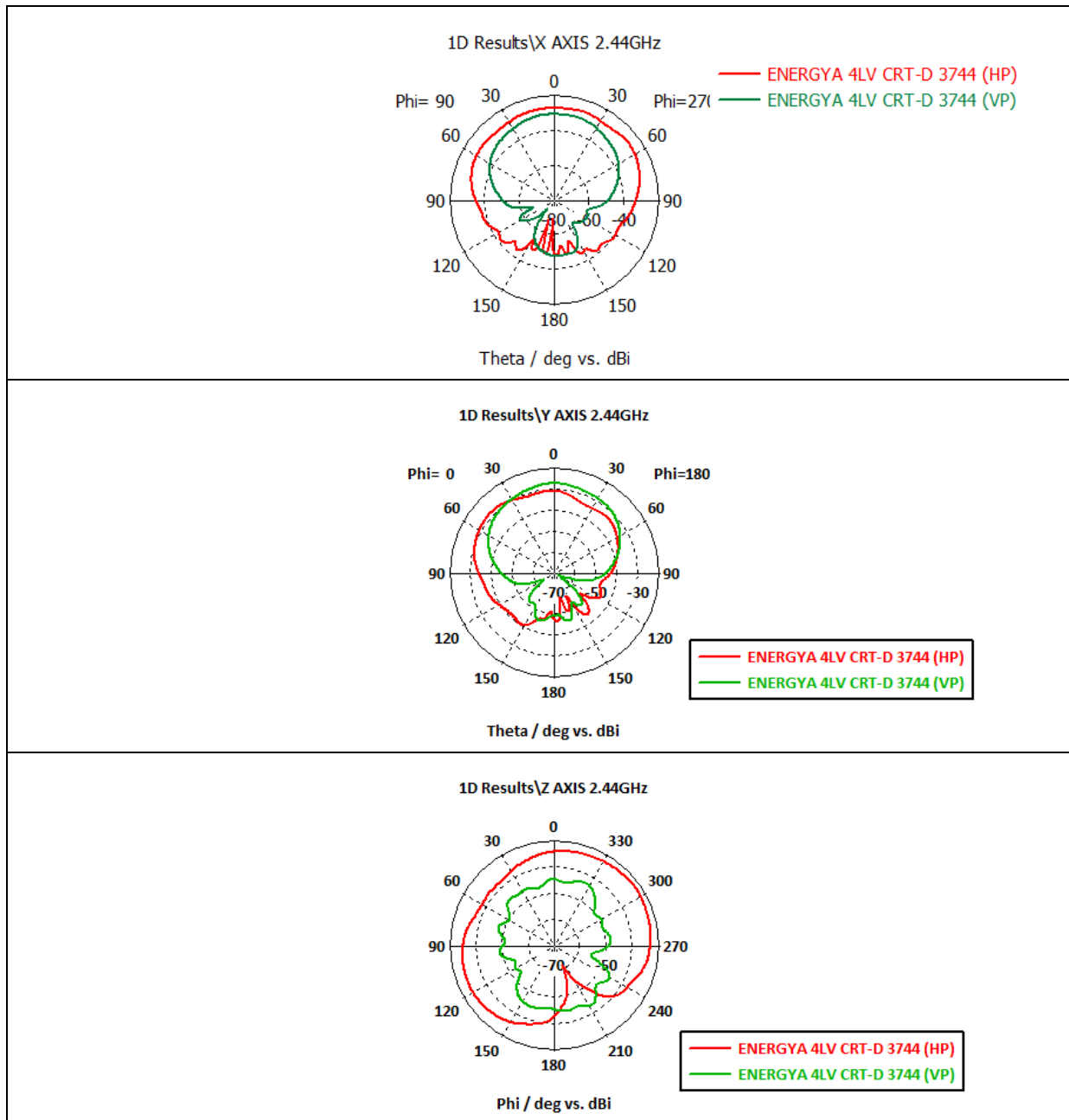


The 2D Radiation Pattern is:

- Min frequency



- Middle frequency



- Max frequency

