

**Measurements of Shure ADX3 with VP89M
Microphone
For Regulatory Approval
A-variant (470 – 636 MHz)**

Shure Incorporated
Jan 9th, 2023

Prepared by

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1. ADX3 – Plug-on Transmitter

1.1 ADX3 – with VP89M microphone

- Test frequency = 553 MHz
- Maximum gain = 2.55 dBi

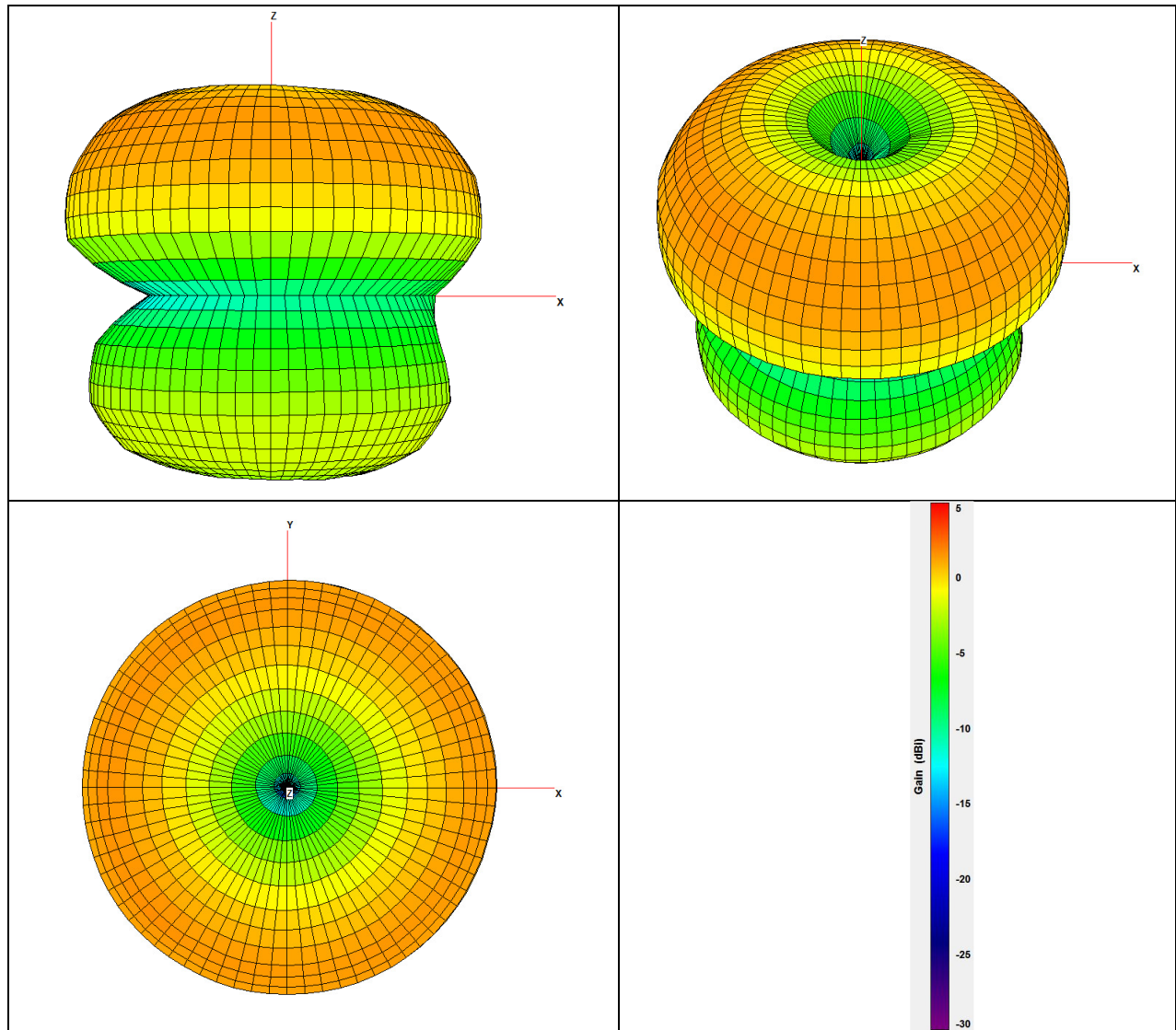


Figure 1 – ADX3 A-variant (553 MHz) 3D radiation patterns and scale

- Test frequency = 2480 MHz
- Maximum gain = 1.62 dBi

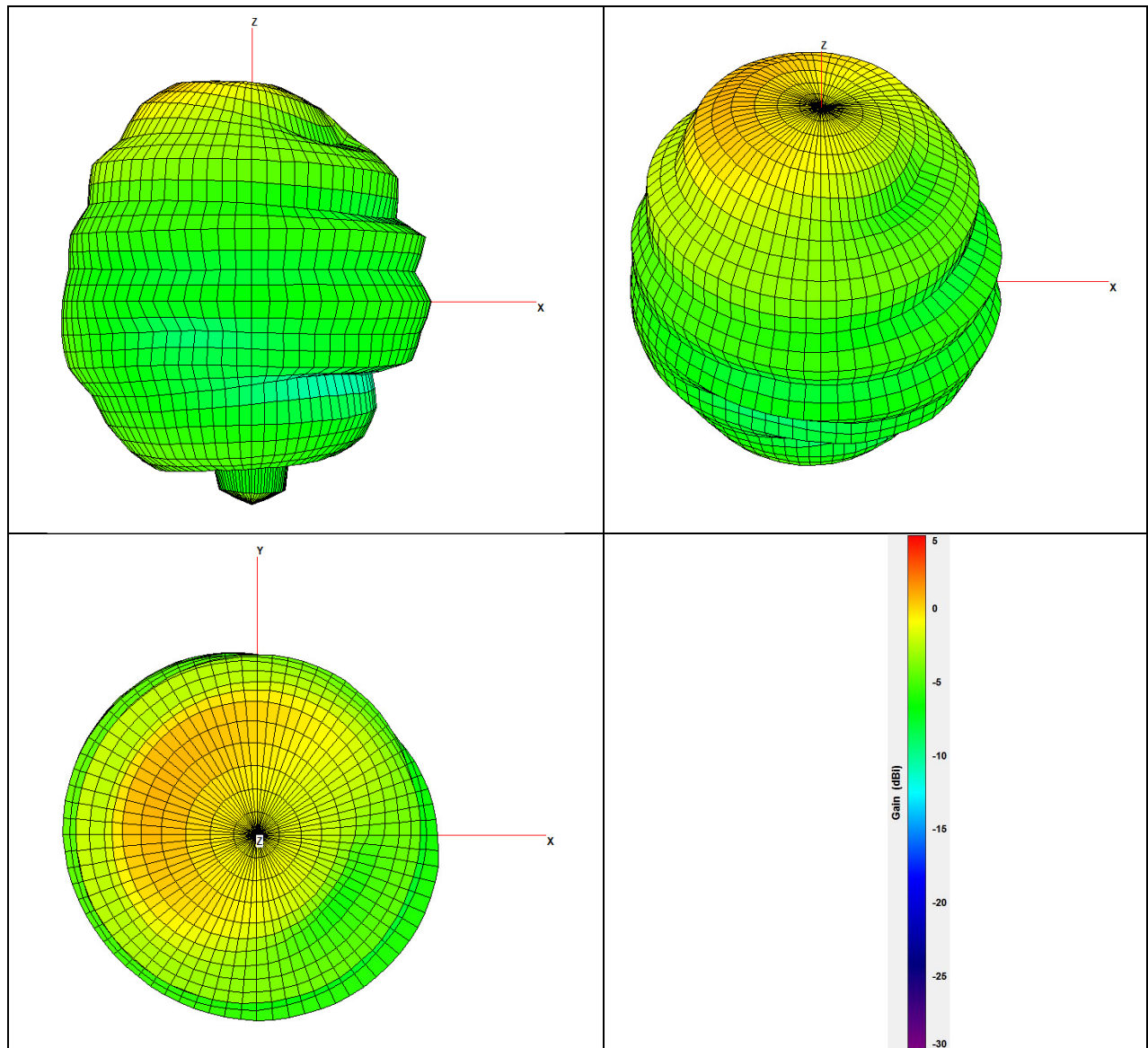


Figure 2 – ADX3 Zigbee (2480 MHz) 3D radiation patterns and scale

2. Appendix

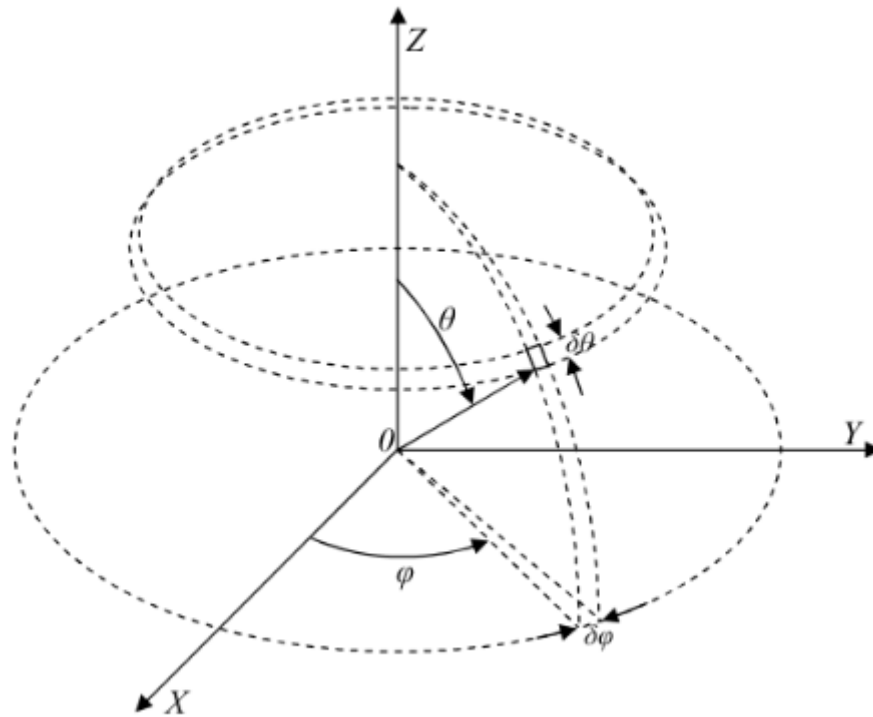
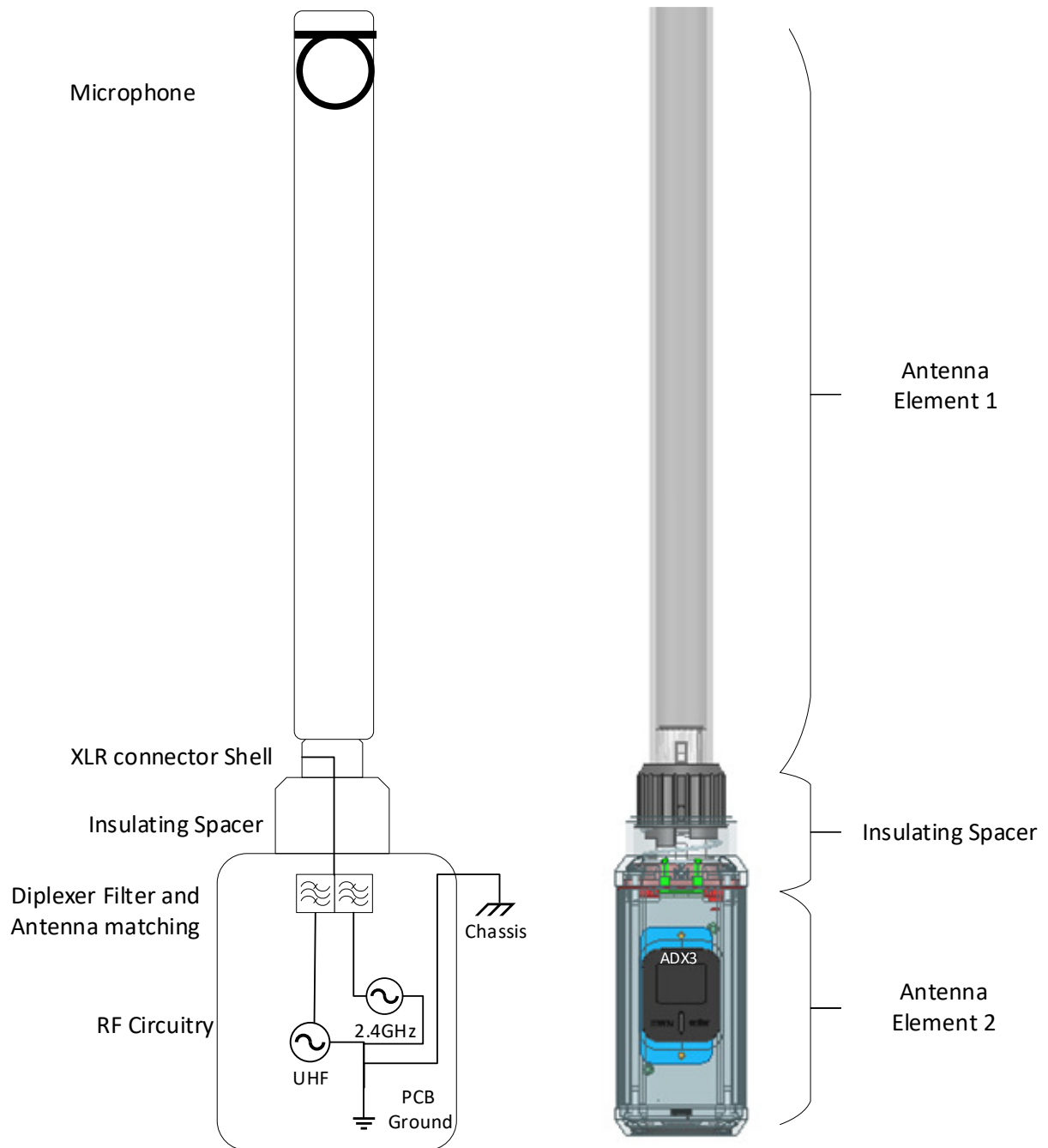


Figure 3 - Antenna reference angles

ADX3 Dipole Antenna Structure

**Figure 4 – ADX3 Dipole Antenna Structure**

**Measurements of Shure ADX3 with VP89M
Microphone
For Regulatory Approval
B-variant (606 – 810 MHz)**

Shure Incorporated
Jan 9th, 2023

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1. ADX3 – Plug-on Transmitter

1.1 ADX3 – with VP89M microphone

- Test frequency = 708 MHz
- Maximum gain = 4 dBi

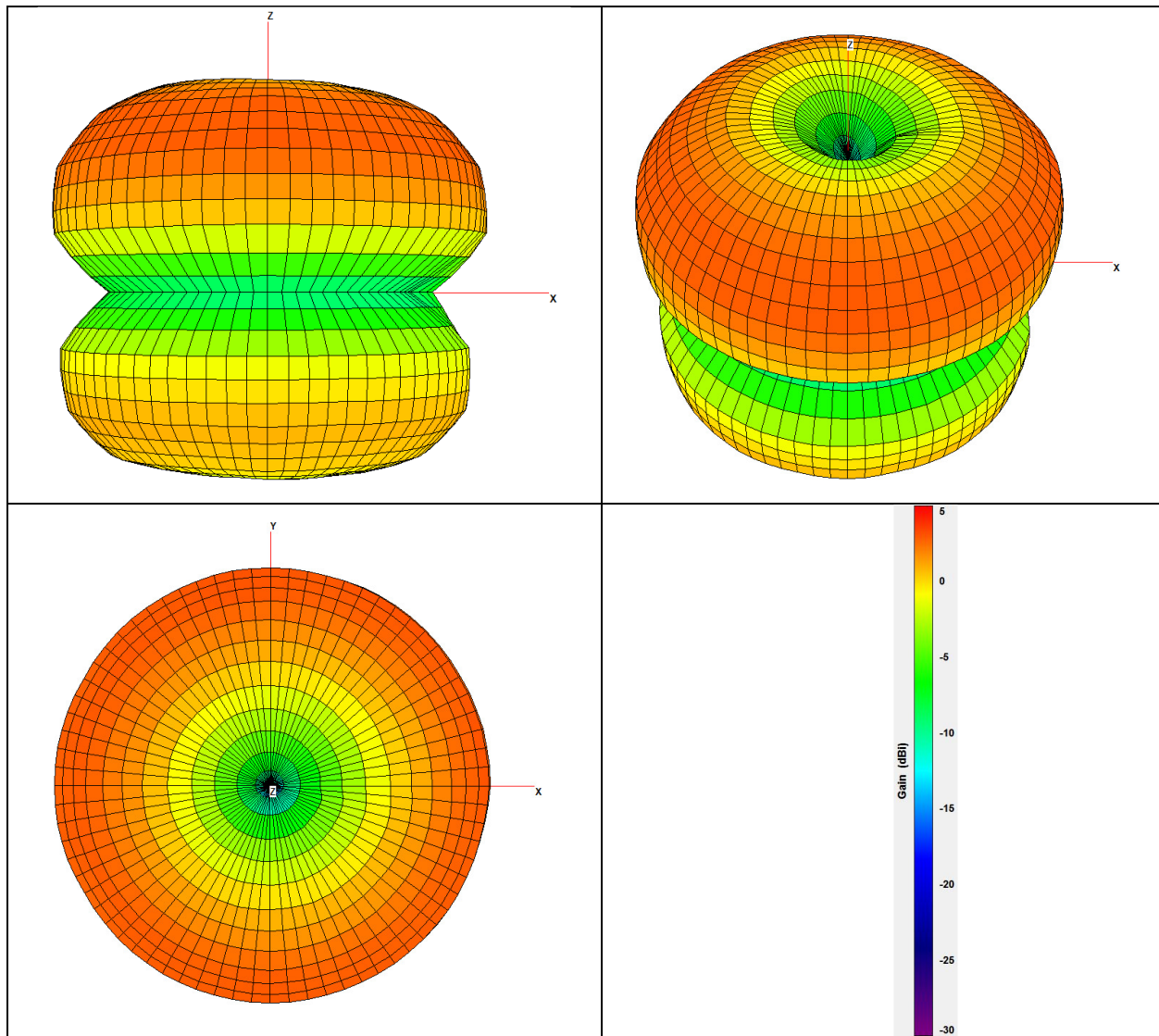


Figure 1 – ADX3 B-variant (708 MHz) 3D radiation patterns and scale

- Test frequency = 2480 MHz
- Maximum gain = 1.62 dBi

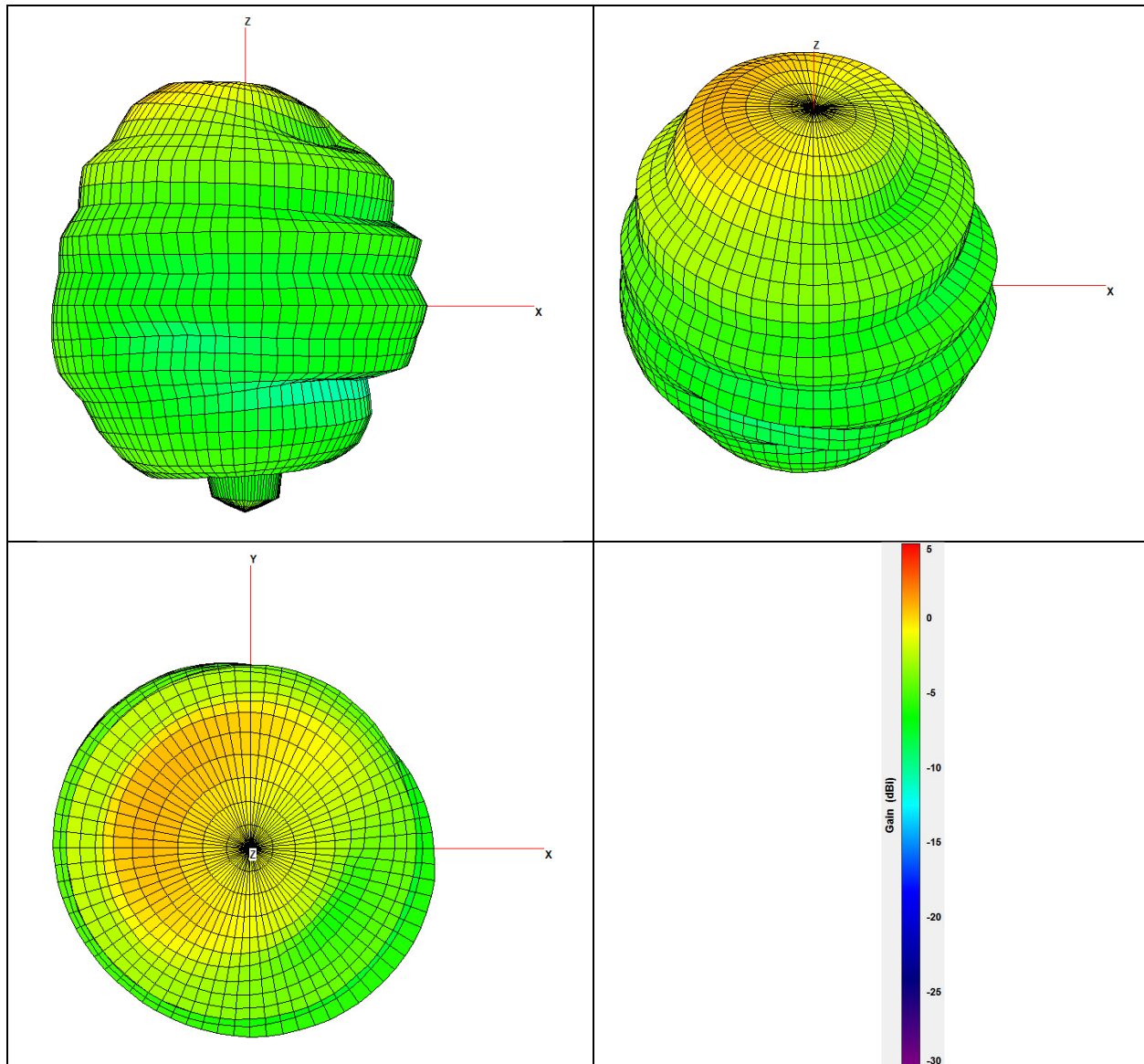
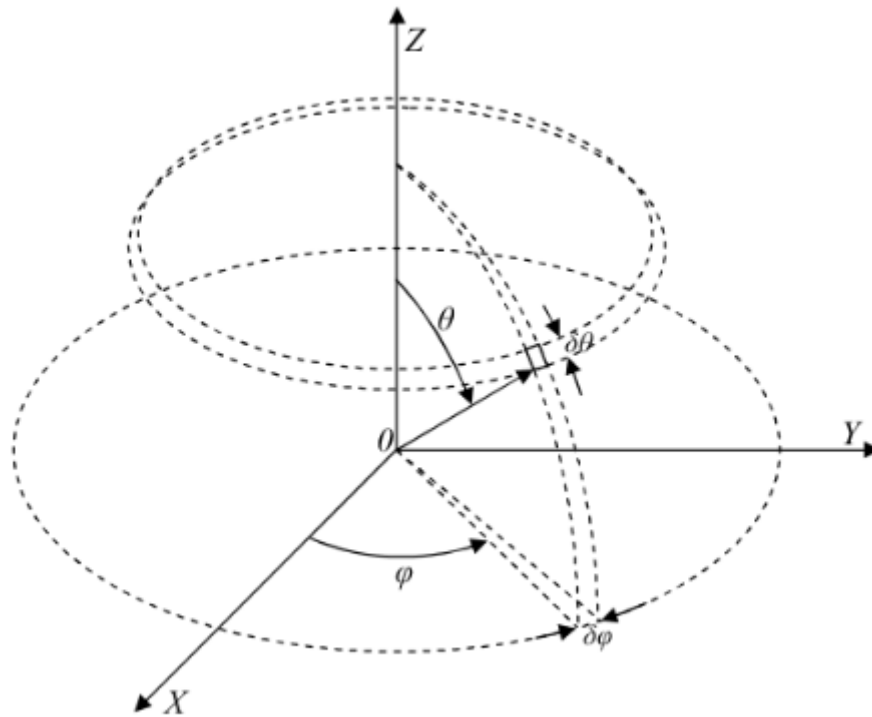


Figure 2 – ADX3 Zigbee (2480 MHz) 3D radiation patterns and scale

2. Appendix**Figure 3 - Antenna reference angles**

ADX3 Dipole Antenna Structure

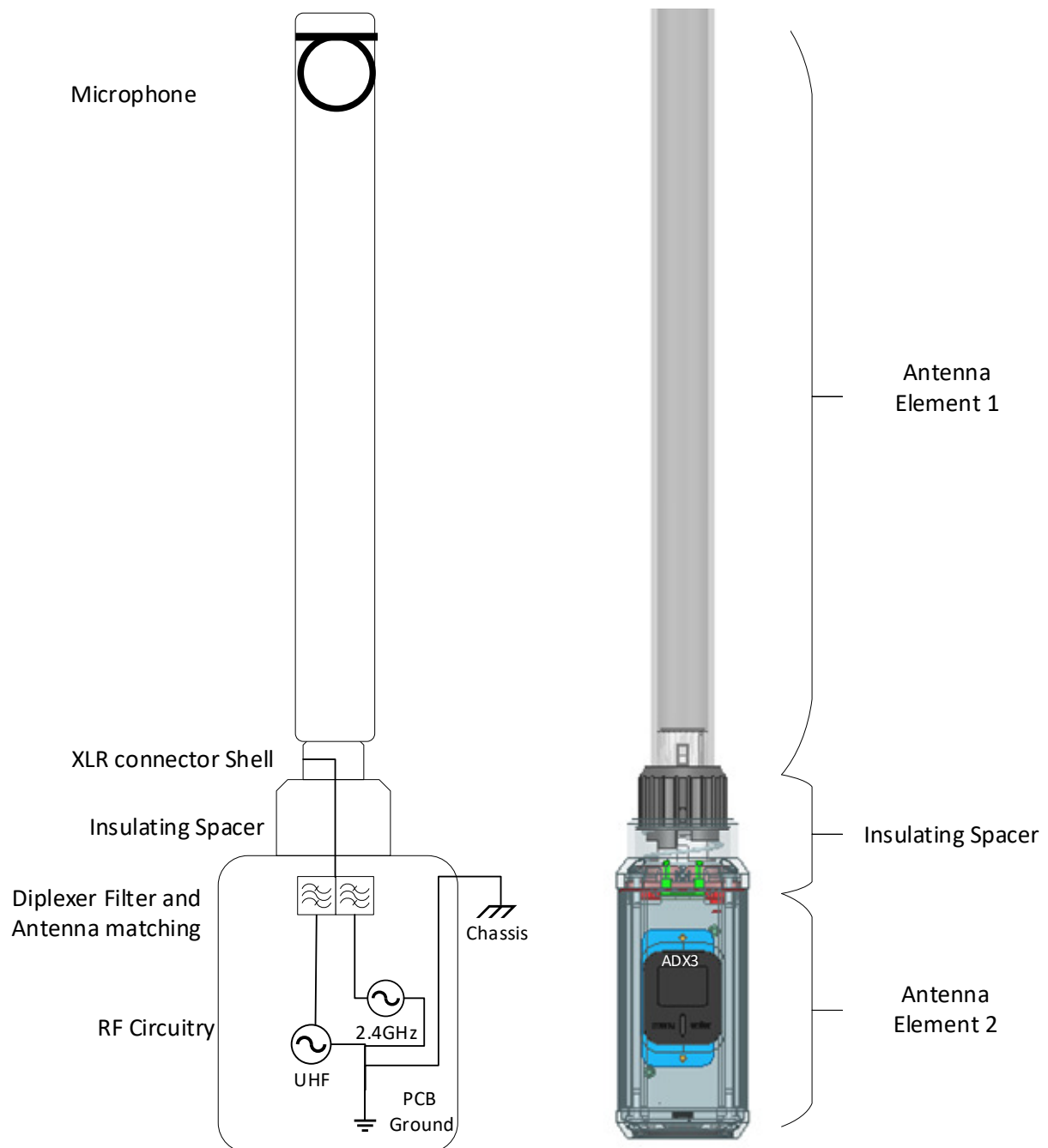


Figure 4 – ADX3 Dipole Antenna Structure

**Measurements of Shure ADX3 with VP89M
Microphone
For Regulatory Approval
C-variant (925 – 960 MHz)**

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Figure 3 - Antenna reference angles 3

Figure 4 – ADX3 Dipole Antenna Structure 4

1. ADX3 – Plug-on Transmitter

1.1 ADX3 – with VP89M microphone

- Test frequency = 943.5 MHz
- Maximum gain = 3.9 dBi

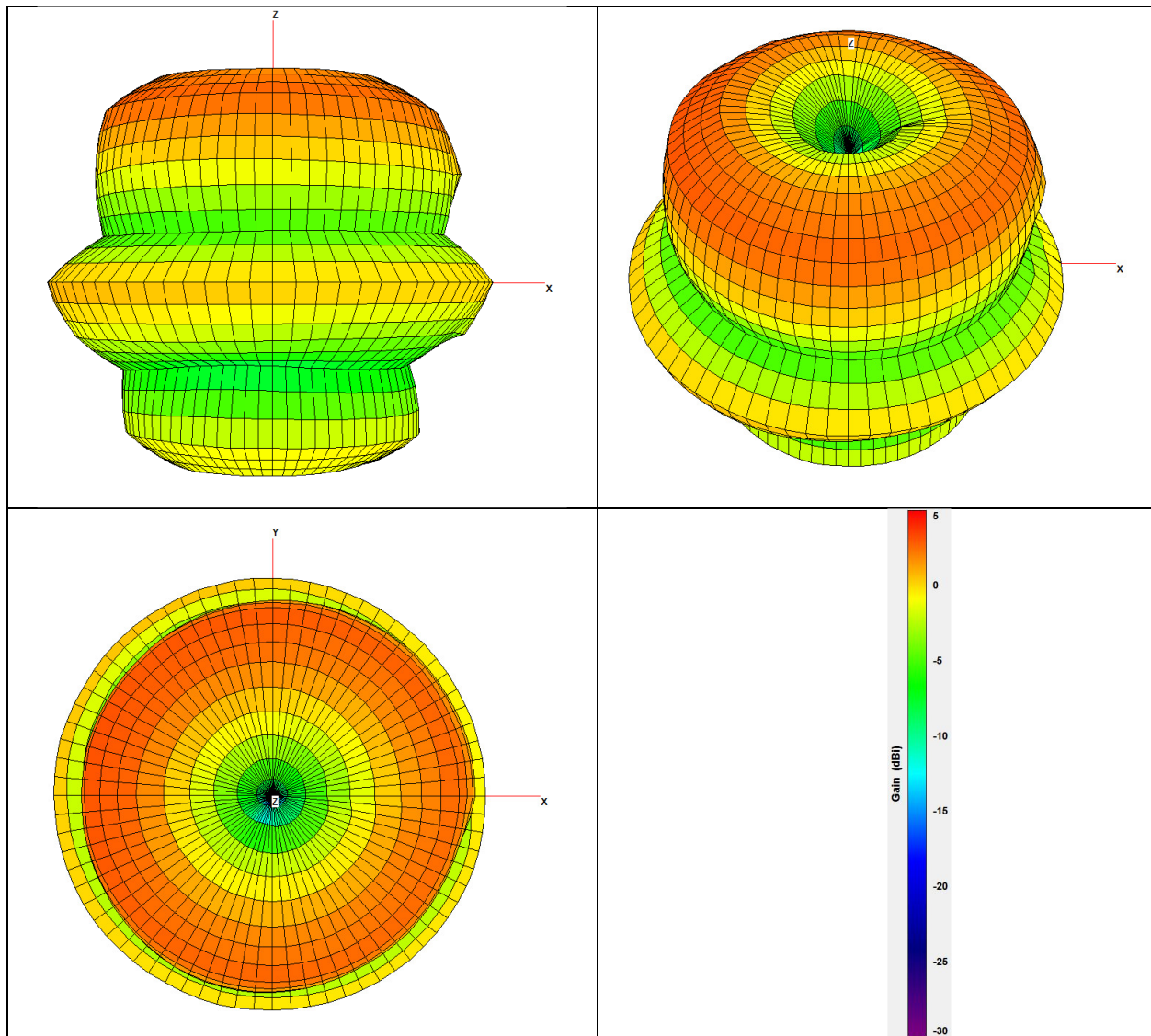


Figure 1 – ADX3 C-variant (943.5 MHz) 3D radiation patterns and scale

- Test frequency = 2480 MHz
- Maximum gain = 1.62 dBi

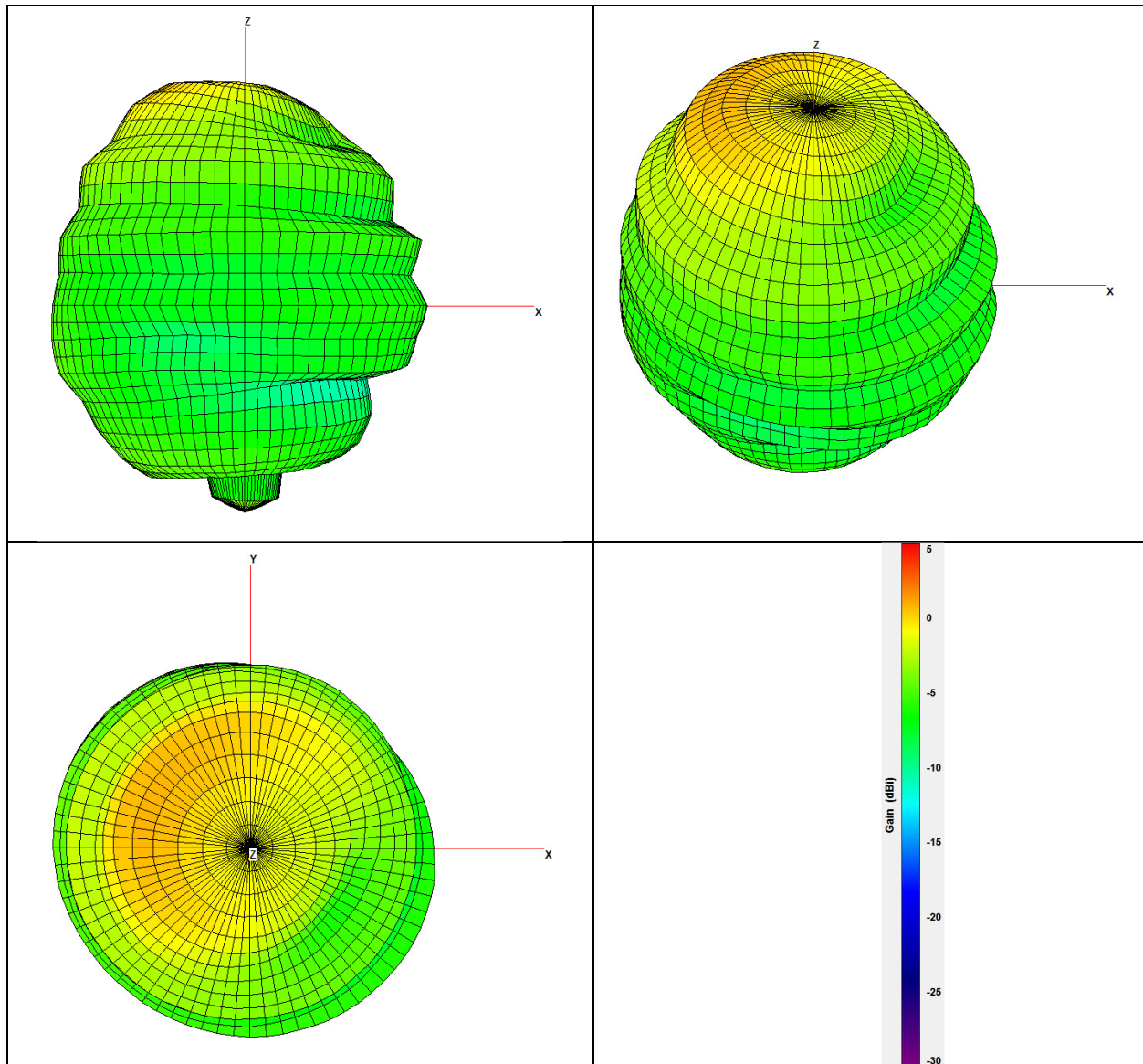
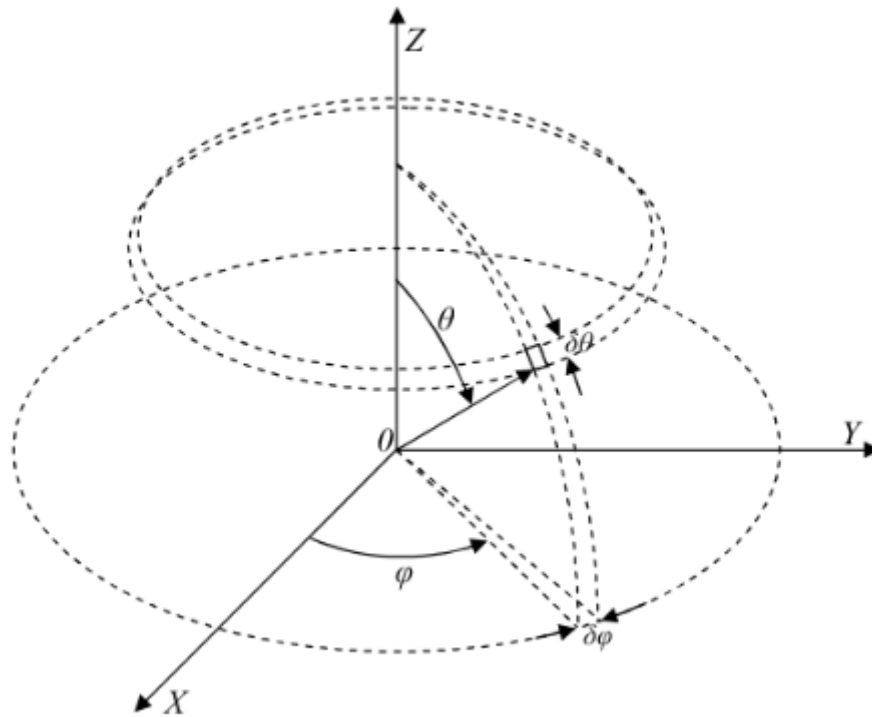


Figure 2 – ADX3 Zigbee (2480 MHz) 3D radiation patterns and scale

2. Appendix**Figure 3 - Antenna reference angles**

ADX3 Dipole Antenna Structure

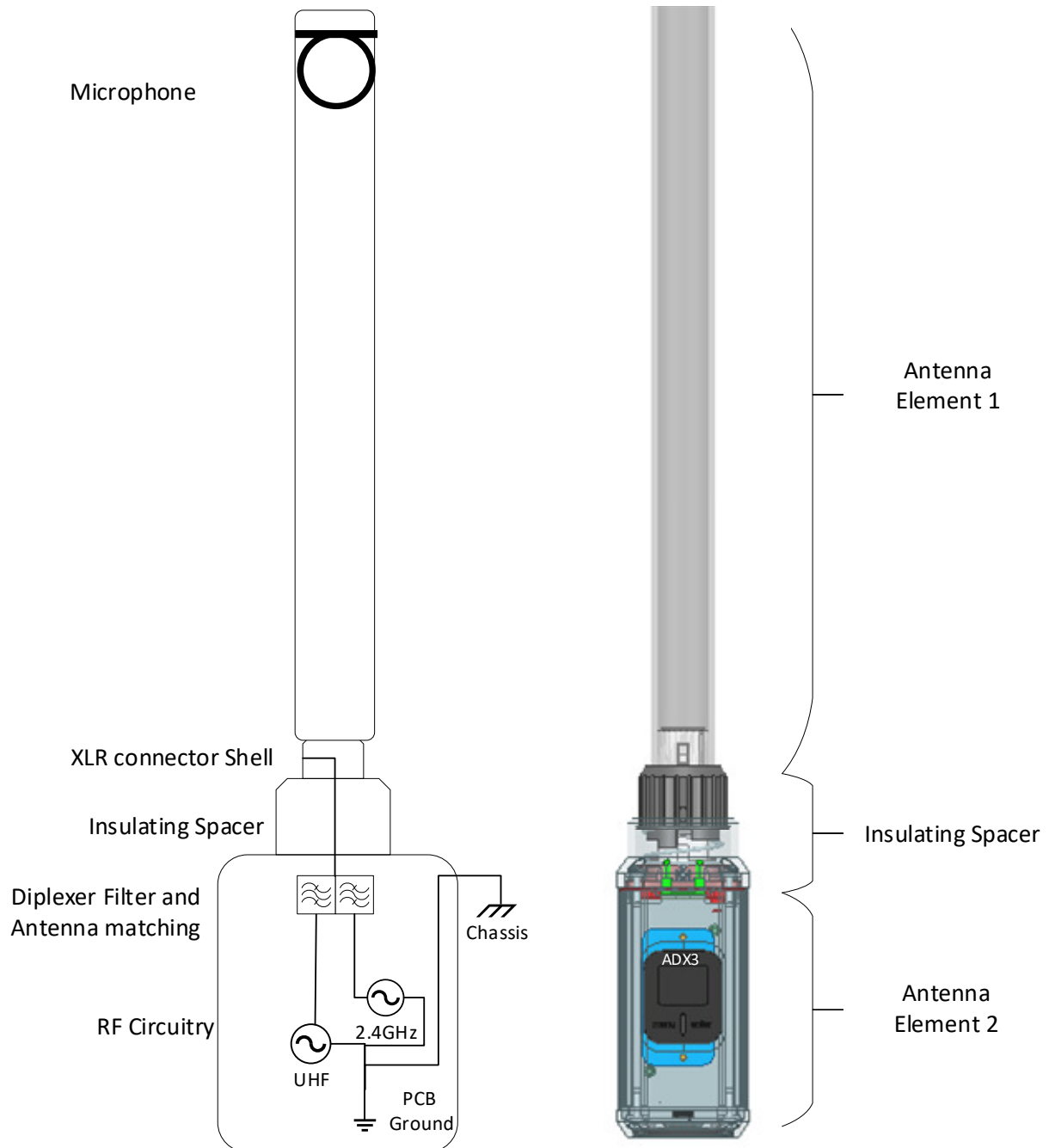


Figure 4 – ADX3 Dipole Antenna Structure