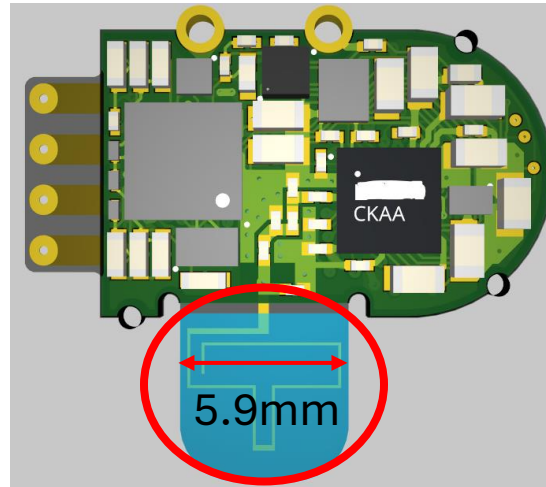


X02,X01,X00 Flex Loop Antenna Test Data

The X02, X01, X00 Flex Loop Antenna is an antenna structure fabricated onto the implant's Flex portion of the PCB. The device under test (DUT) was performed in Speag broad band solution to emulate tissue with a wall depth of 5mm. The antenna is designed and tuned for implantation. Data represented at 2440MHz, highest gain between 2400-2480MHz BLE Spectrum.



Frequency	2440MHz (Center of BLE Spectrum)
Average Gain	-18.16dBi
Peak Gain	-14.48dBi
Efficiency	1.53%

ACTIVE 3D ANTENNA PATTERN MEASUREMENTS



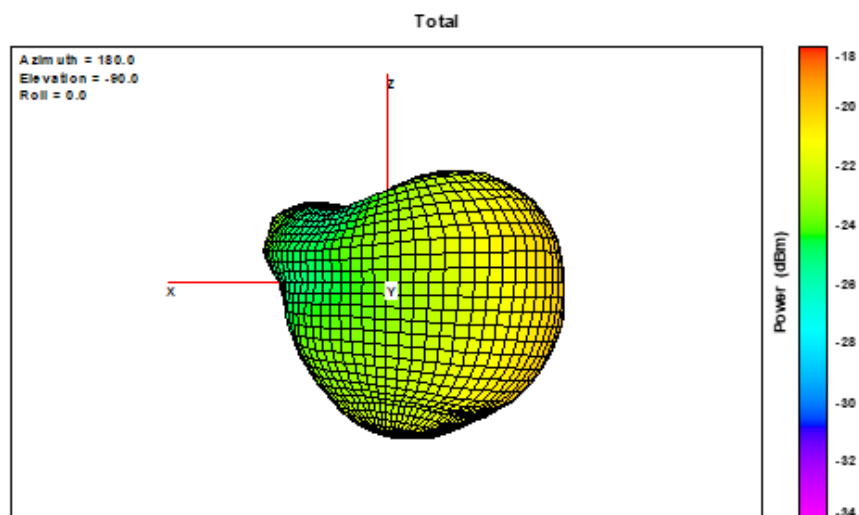
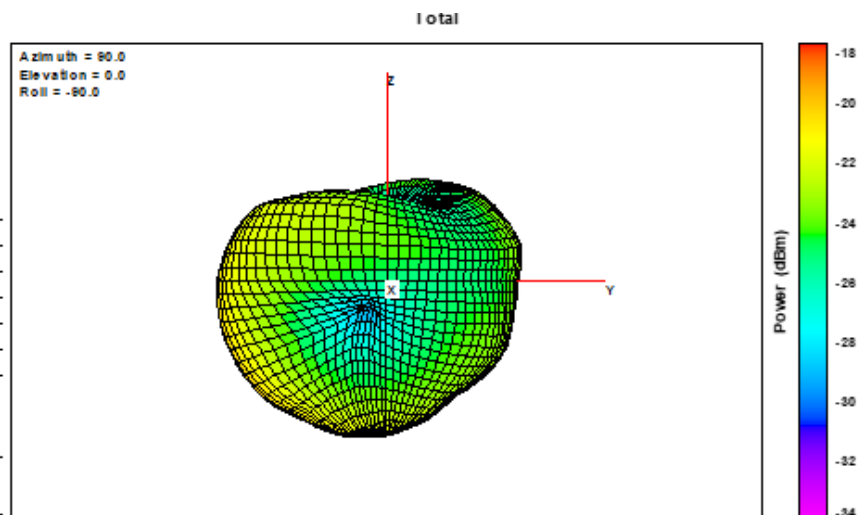
EUT:	OTA
Serial Number:	2-2
Customer:	Data Sciences International, Inc.
Attendees:	Dustin Morris
Customer Project:	None
Tested By:	Christopher Heintzelman
Test Run Description:	2-2_2440

COMMENTS

Mouse model. -4dBm APIP provided by the customer.

Work Order:	DSCI0004
Date:	12/22/2023
Temperature:	22.3 °C
Relative Humidity:	30.8% RH
Bar. Pressure:	1020 mbar
Job Site:	MN10

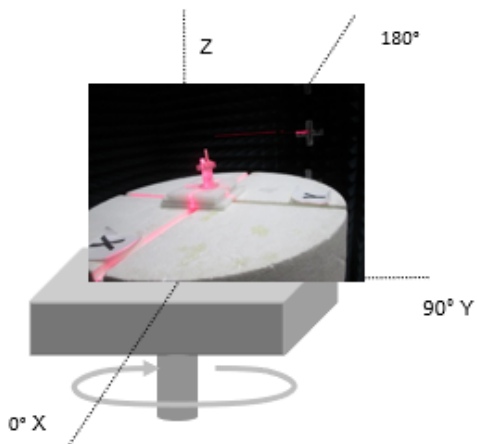
OTA2018.01.04



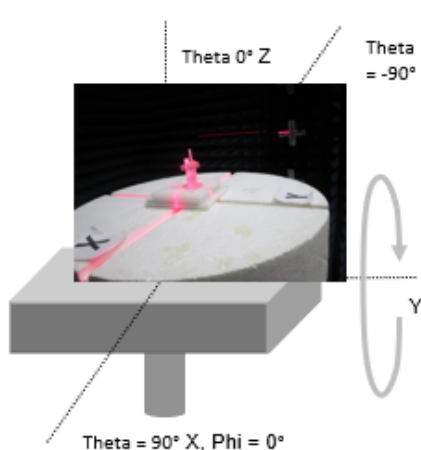
3D PATTERN DATA

Frequency (MHz)	2440
Ant. Port Input Pwr. (dBm)	-4.00
Tot. Rad. Pwr. (dBm)	-22.16
Peak EIRP (dBm)	-18.48
Directivity (dBi)	3.68
Efficiency (dB)	-18.16
Efficiency (%)	1.53
Peak Gain (dBi)	-14.48
Average Gain (dB)	-18.16
E-Plane 3 dB BW (°)	132.00

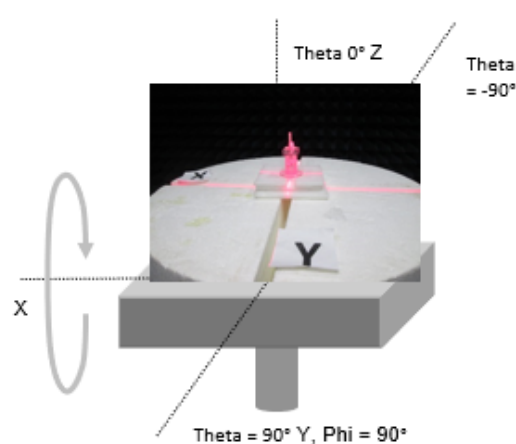
Azimuth Cut (Theta Axis = 90°)



Elevation Cut (Phi Axis = 0°)



Elevation Cut (Phi Axis = 90°)



2D Polar Plots

