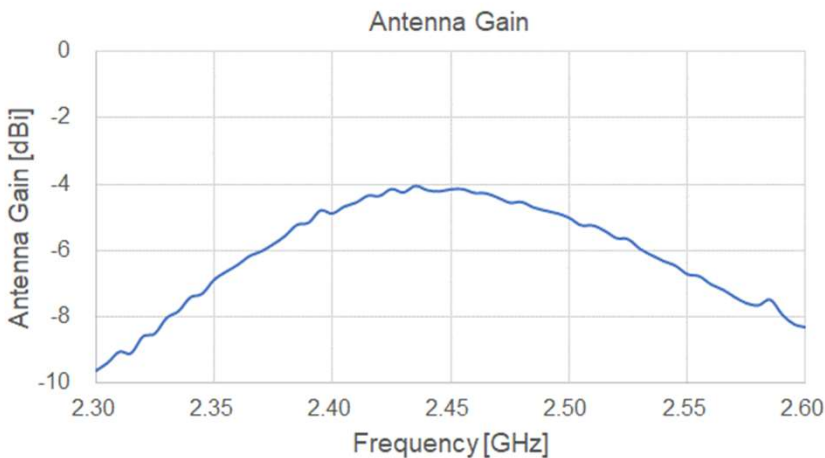
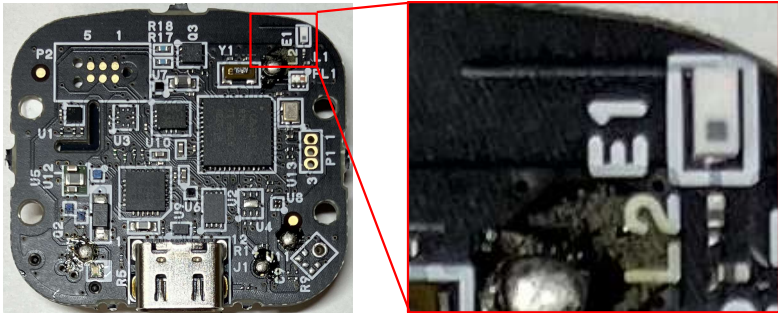


Antenna Specifications

- Manufacturer : TDK Corporation
- Address : 1-8, Manganzi, Yurihonjyo-shi, Akita 015-0064, Japan



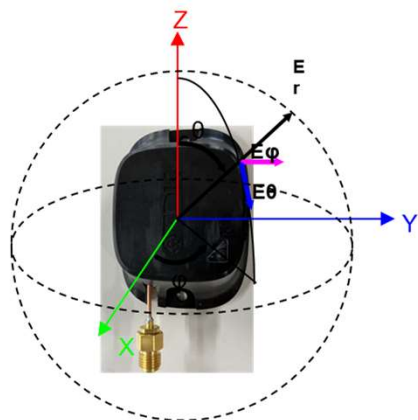
Items	Specifications
Product name	ANT016008LCS2442MA2
Frequency range	2400 to 2484 MHz
Antenna gain	-4.1 dBi Max.
Antenna type	Monopole antenna
Connector type	N/A



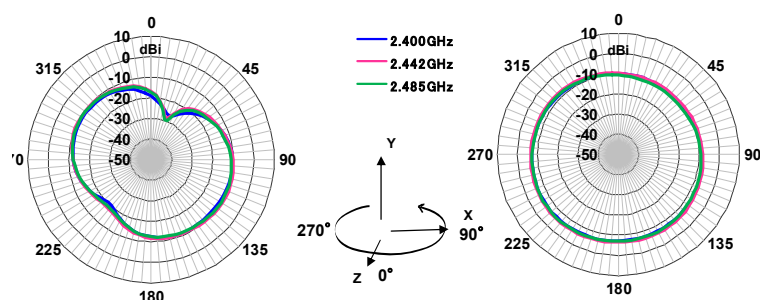
Appearance

Radiation Patterns

PRODUCT ORIENTATIONS



X-Z PLANE



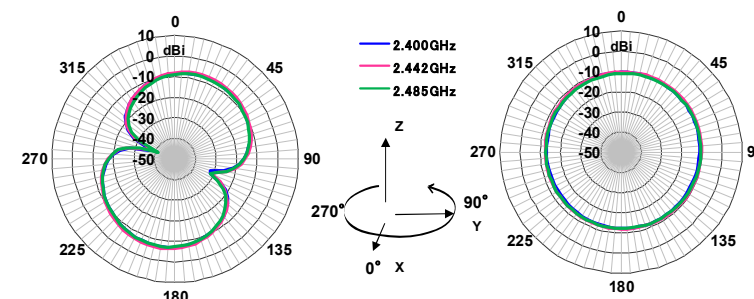
Horizontal Polarization

	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-13.0	-12.2	-12.8
Maximum[dBi]	-10.1	-9.2	-9.9
Minimum[dBi]	-26.9	-28.5	-29.6

Vertical Polarization

	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-7.94	-7.25	-8.05
Maximum[dBi]	-6.43	-5.66	-6.17
Minimum[dBi]	-10.23	-9.92	-11.32

X-Y PLANE



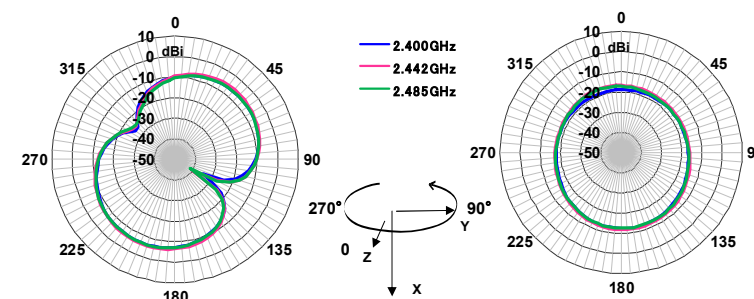
Horizontal Polarization

	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-10.6	-10.1	-10.9
Maximum[dBi]	-6.8	-6.1	-6.9
Minimum[dBi]	-37.0	-38.4	-41.2

Vertical Polarization

	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-11.5	-10.9	-11.4
Maximum[dBi]	-10.2	-9.5	-10.1
Minimum[dBi]	-13.3	-12.5	-12.8

Y-Z PLANE



Horizontal Polarization

	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-9.5	-8.9	-9.6
Maximum[dBi]	-6.3	-5.5	-6.2
Minimum[dBi]	-34.7	-40.1	-41.4

Vertical Polarization

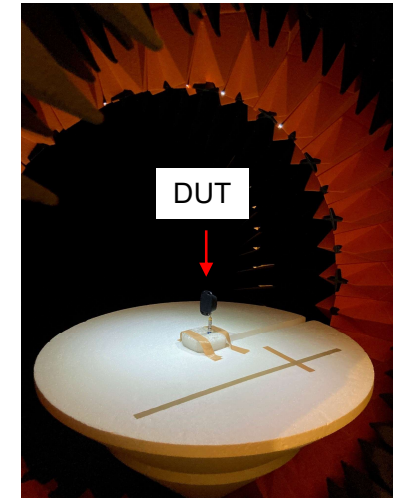
	2.400GHz	2.442GHz	2.485GHz
Average[dBi]	-15.7	-14.8	-15.4
Maximum[dBi]	-12.3	-11.7	-12.5
Minimum[dBi]	-19.0	-17.7	-18.1

Test information

Items	Information
Test day	Dec. 2 nd , 2022
Person in charge of test	Shohei Sakai
Calibrated test equipment	StarLab (0.65 to 18 GHz)
Software	Wave Studio, SatEnv



StarLab



DUT on the measurement position

Test set up

■ Test procedure

- Set DUT on the measurement position in StarLab.
- Set measurement condition by using Wave Studio and start measuring antenna characteristics.
- Output measurement data by using both Wave Studio and SatEnv after finishing measurement.