



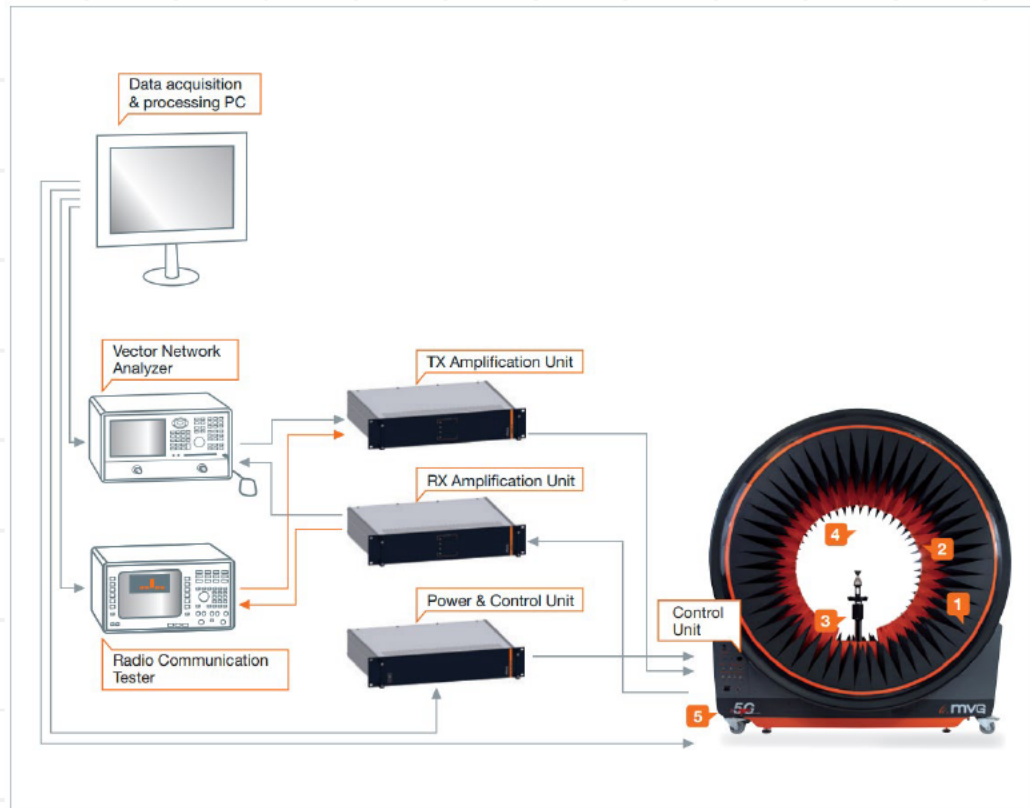
BEE-021(-01) AUT Report

Antenna specification

- Frequency Range
 - 2402-2480 MHz
- Antenna Type
 - PCB antenna
- Connector Type
 - PCB integrated
- Antenna Gain (Peak)
 - +1.55 dBi

Antenna measurement procedure

- The antenna gain is measured with StarLab system.

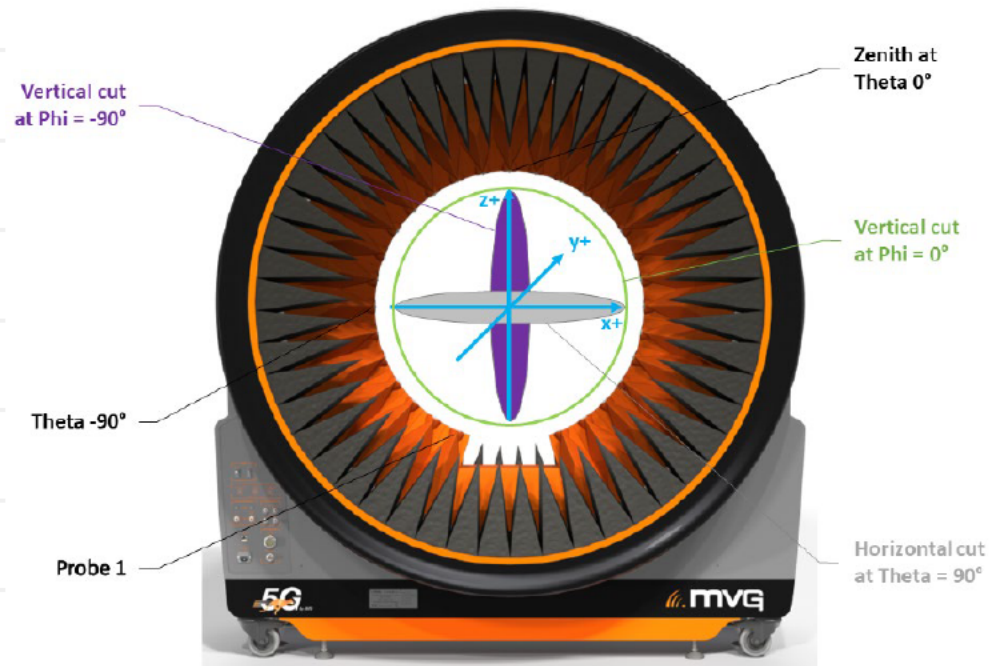


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(Reference: MVG, Datasheet of StarLab 50 GHz)

Antenna measurement procedure

- Measurement axis



(Reference: MVG, User Manual of StarLab 50 GHz)

Measurement information

- Test Facility
 - Nintendo Co., Ltd. Development Center
 - 2-1 Minamimatsuda-cho, Higashikujo, Minami-ku, Kyoto 601-8502, Japan
- Test Date
 - 2025/12/10
- Test Engineer
 - Mitsuru Katayama
- Measurement Software
 - Wave Studio ver.24.3.3

Measurement information

- Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Last Calibration Date
StarLab 50GHz system	MVG	StarLab 50GHz	1103673-0003	2024/10/25
Vector Network Analyzer	Keysight	P5008A	MY58100292	2024/10/25

Antenna Gain

Frequency [MHz]	E_{ϕ} [dBi]			E_{θ} [dBi]		
	XY plane	YZ plane	XZ plane	XY plane	YZ plane	XZ plane
2400	0.62	-3.21	-0.87	-3.18	-2.03	0.40
2420	0.44	-2.55	-0.85	-2.97	-1.65	0.79
2440	0.18	-1.82	-1.15	-2.68	-1.13	1.18
2460	0.13	-1.26	-1.44	-2.52	-0.77	1.40
2480	-0.08	-0.88	-1.80	-2.47	-0.64	1.55

Antenna Gain Chart

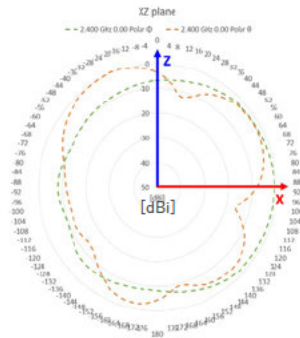
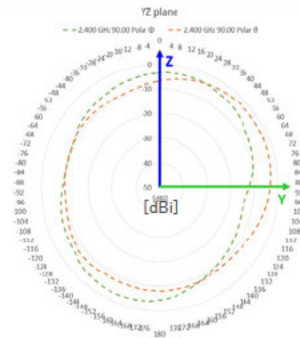
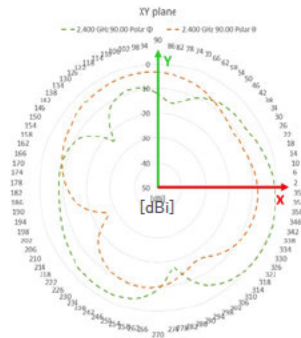
Frequency [MHz]

XY plane

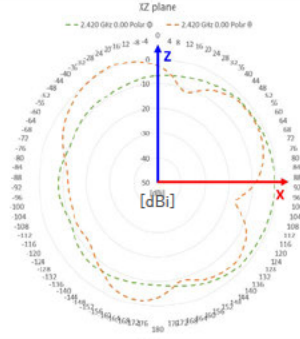
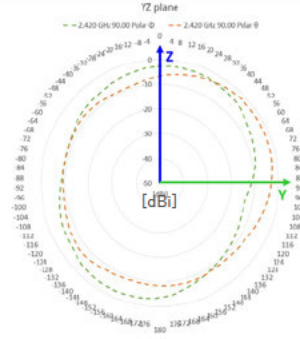
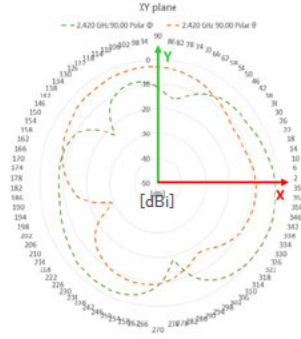
YZ plane

XZ plane

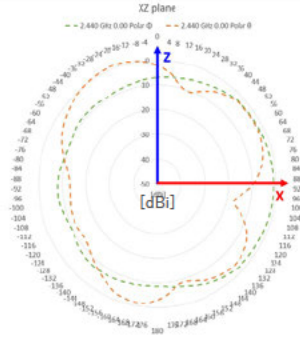
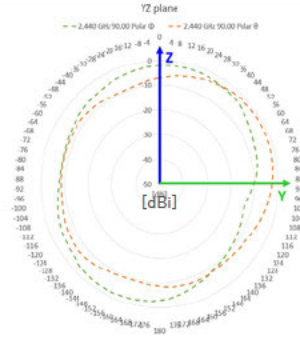
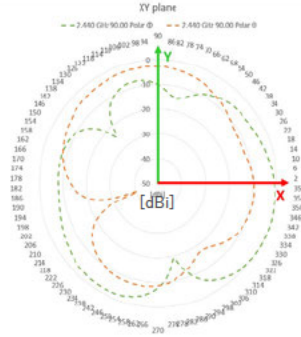
2400



2420



2440



Antenna Gain Chart

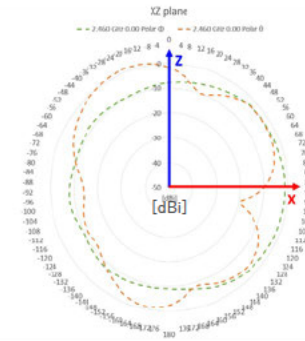
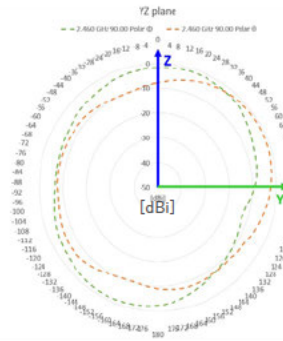
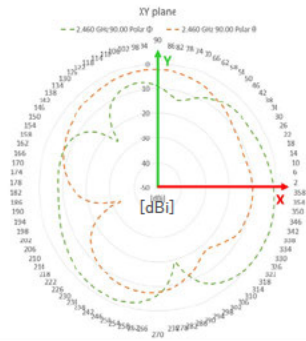
Frequency [MHz]

XY plane

YZ plane

XZ plane

2460



2480

