



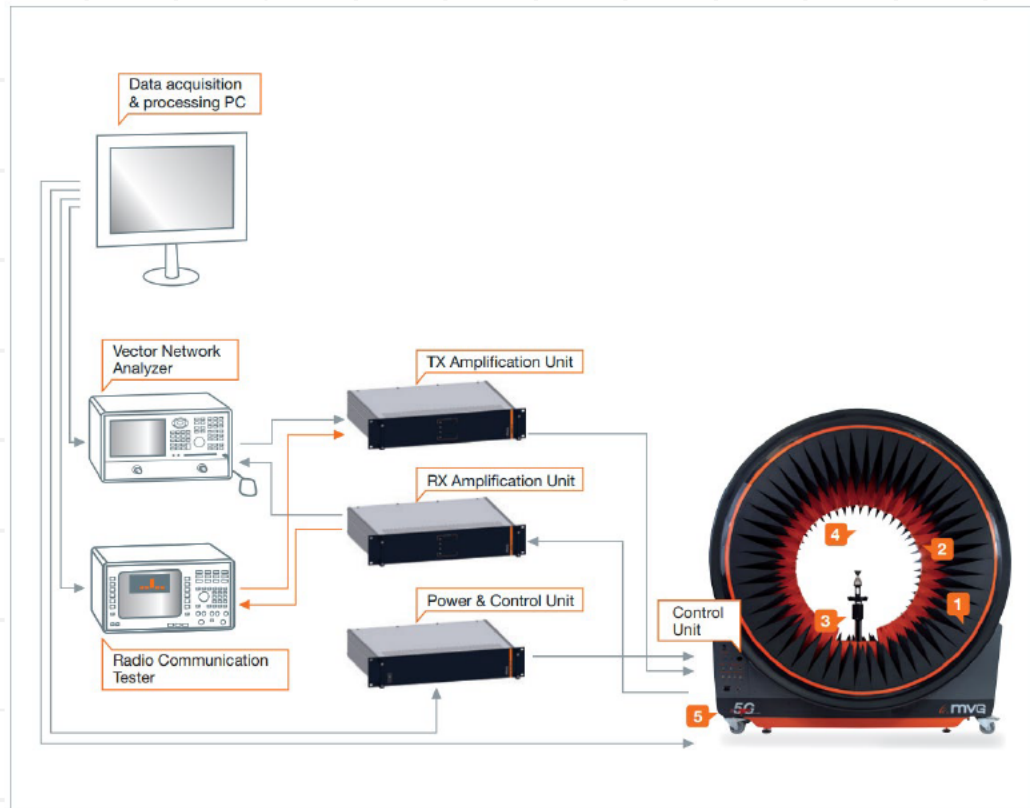
BEE-008(-01) AUT Report

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.

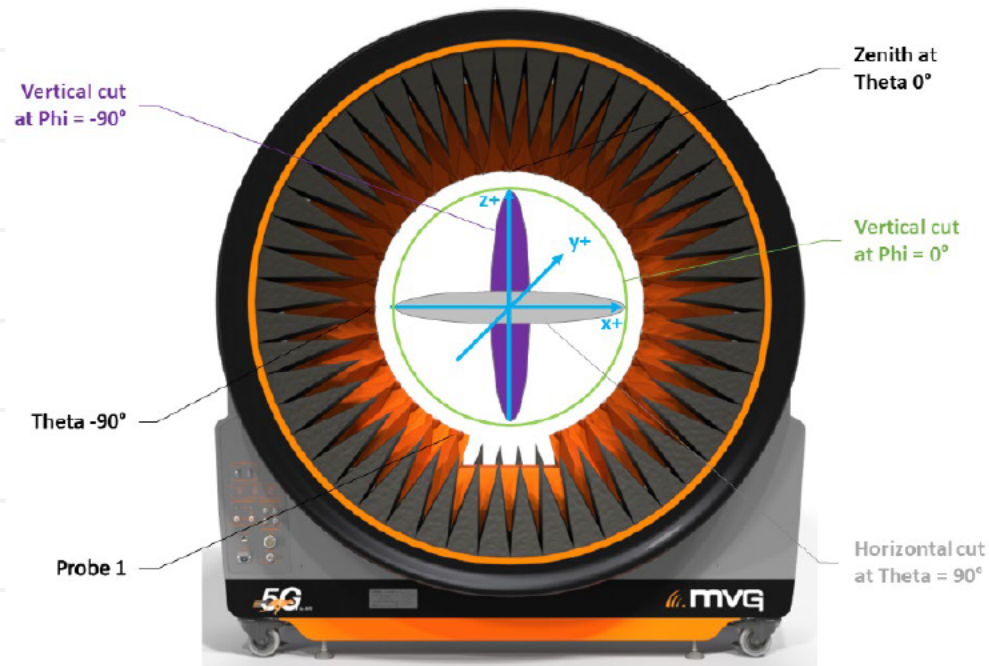


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(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
 - 2025/11/28
- 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	-1.23	1.45	-1.41	-5.45	-5.60	-0.79
2420	-1.03	1.43	-1.28	-5.14	-5.52	-0.85
2440	-0.79	1.55	-1.13	-4.83	-5.38	-0.76
2460	-0.58	1.47	-1.16	-4.72	-5.37	-0.90
2480	-0.38	1.48	-1.07	-4.60	-5.58	-0.89

Antenna Gain Chart

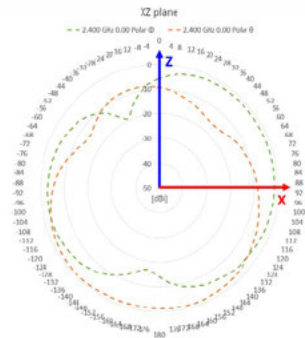
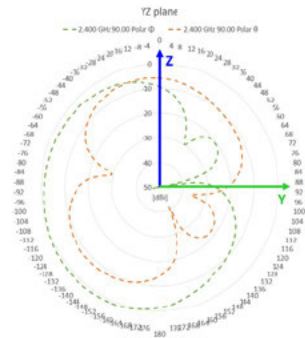
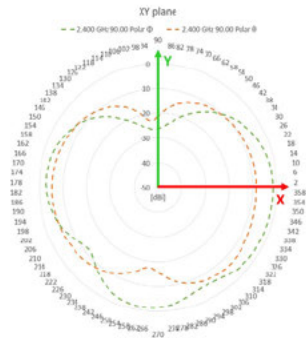
Frequency [MHz]

XY plane

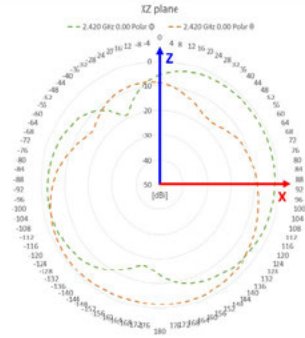
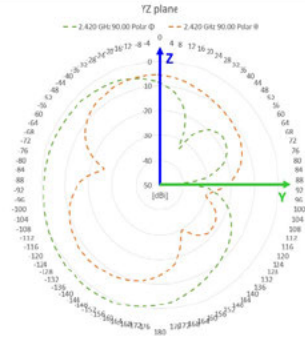
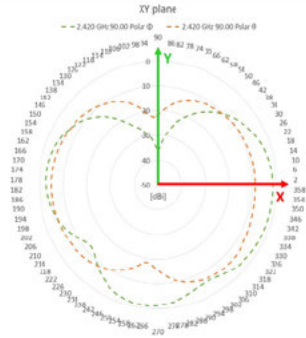
YZ plane

XZ plane

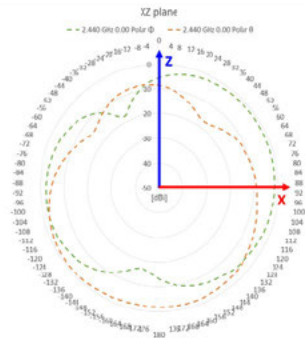
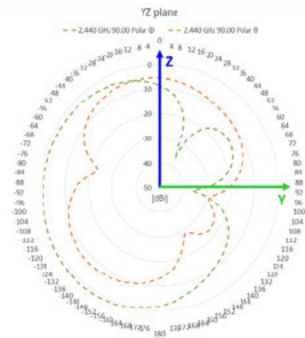
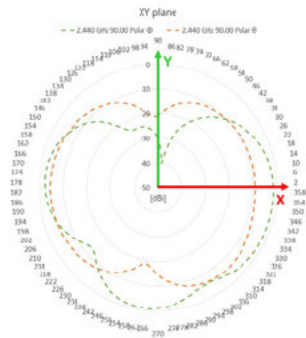
2400



2420



2440



Antenna Gain Chart

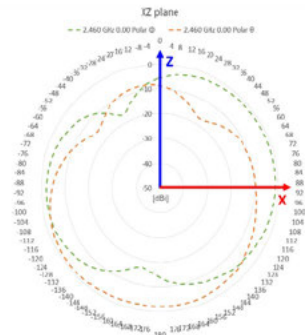
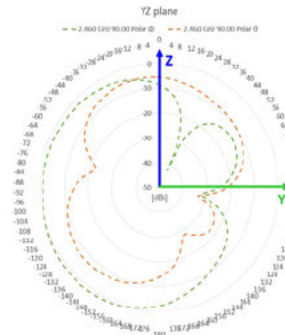
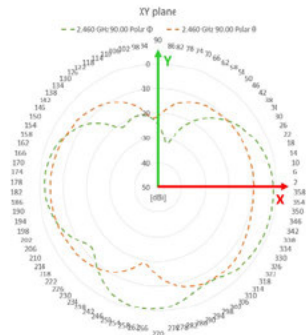
Frequency [MHz]

XY plane

YZ plane

XZ plane

2460



2480

