



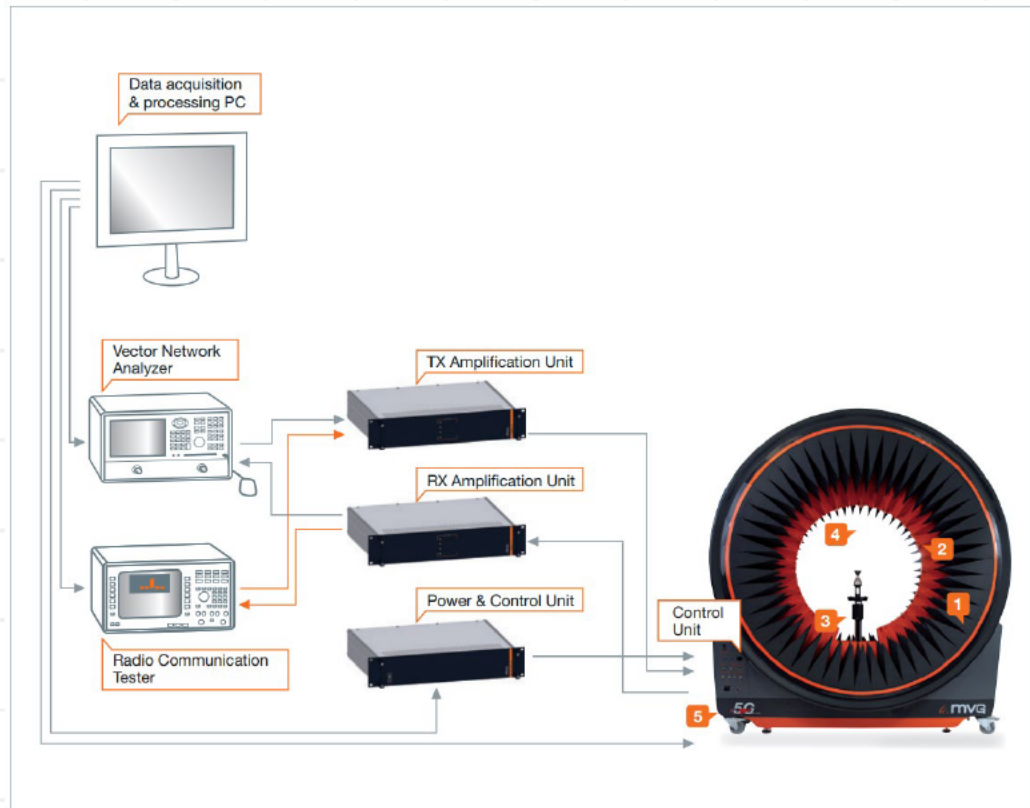
BEE-012(-01) AUT Report

Antenna specification

- Frequency Range
 - 2402-2480 MHz
- Antenna Type
 - PCB antenna
- Connector Type
 - PCB integrated
- Antenna Gain (Peak)
 - +1.41 dBi

Antenna measurement procedure

- The antenna gain is measured with StarLab system.

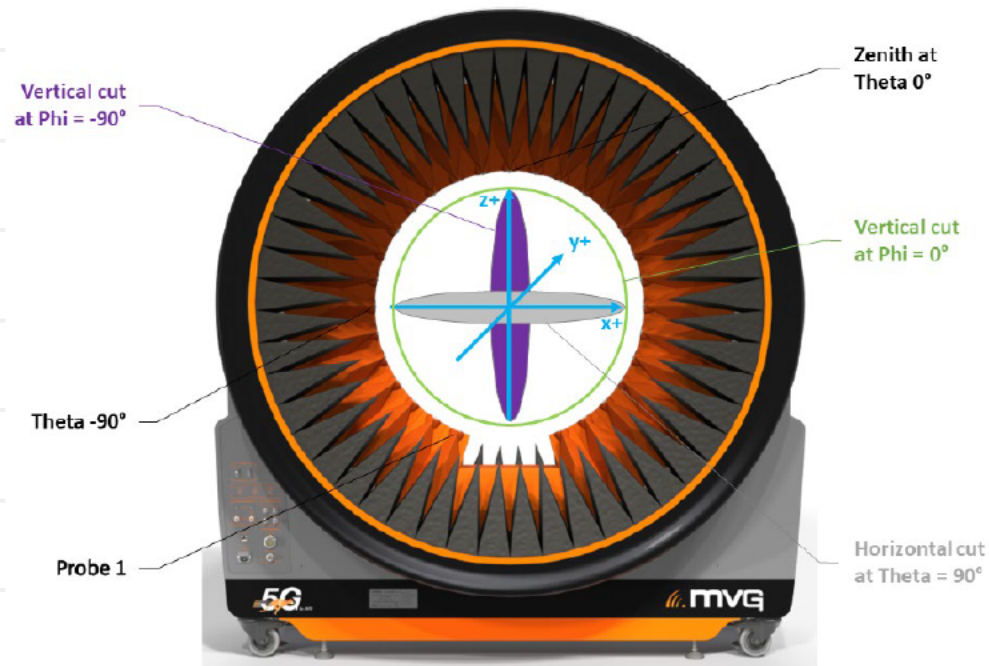


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(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	0.87	-0.32	-4.11	-12.80	-1.33	-5.66
2420	1.12	-0.26	-4.06	-12.43	-1.16	-5.37
2440	1.32	-0.11	-3.98	-12.34	-0.89	-5.04
2460	1.41	-0.01	-3.88	-12.35	-0.85	-4.73
2480	1.22	-0.08	-3.79	-12.89	-0.89	-4.58

Antenna Gain Chart

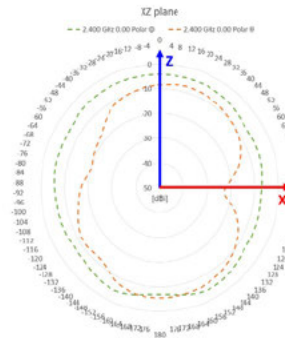
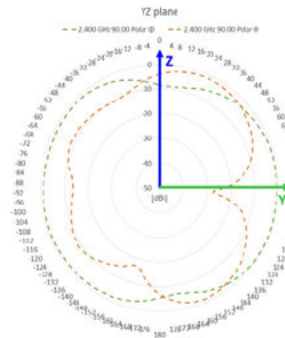
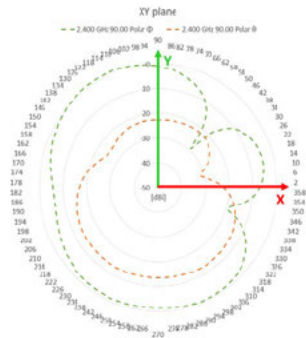
Frequency [MHz]

XY plane

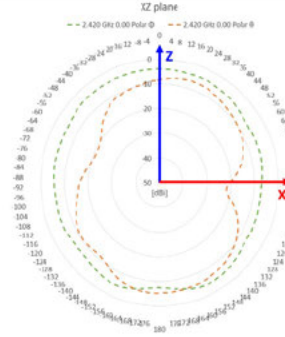
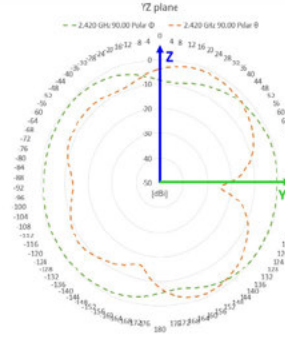
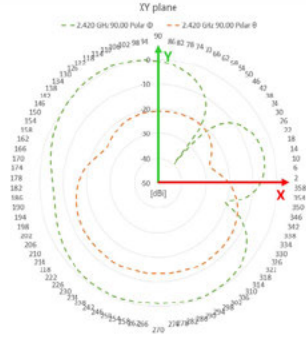
YZ plane

XZ plane

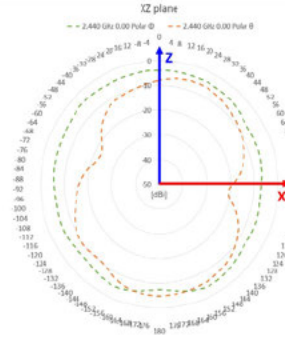
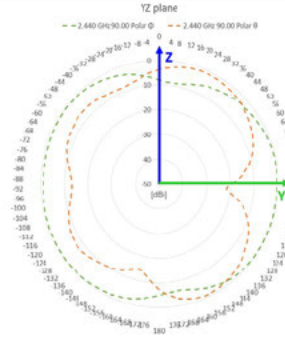
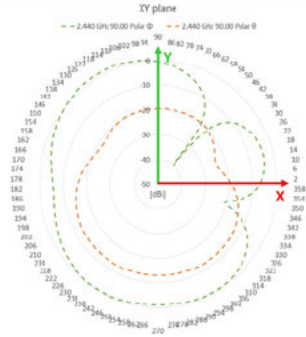
2400



2420



2440



Antenna Gain Chart

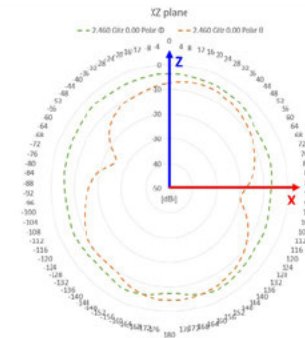
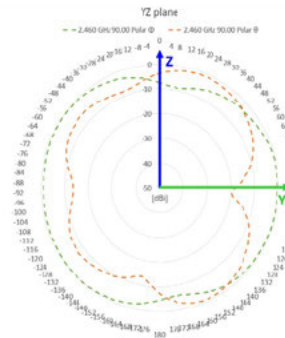
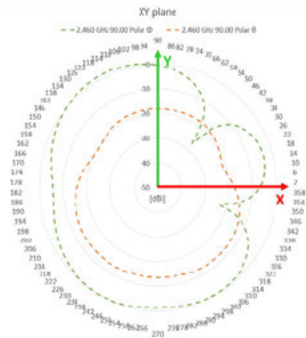
Frequency [MHz]

XY plane

YZ plane

XZ plane

2460



2480

