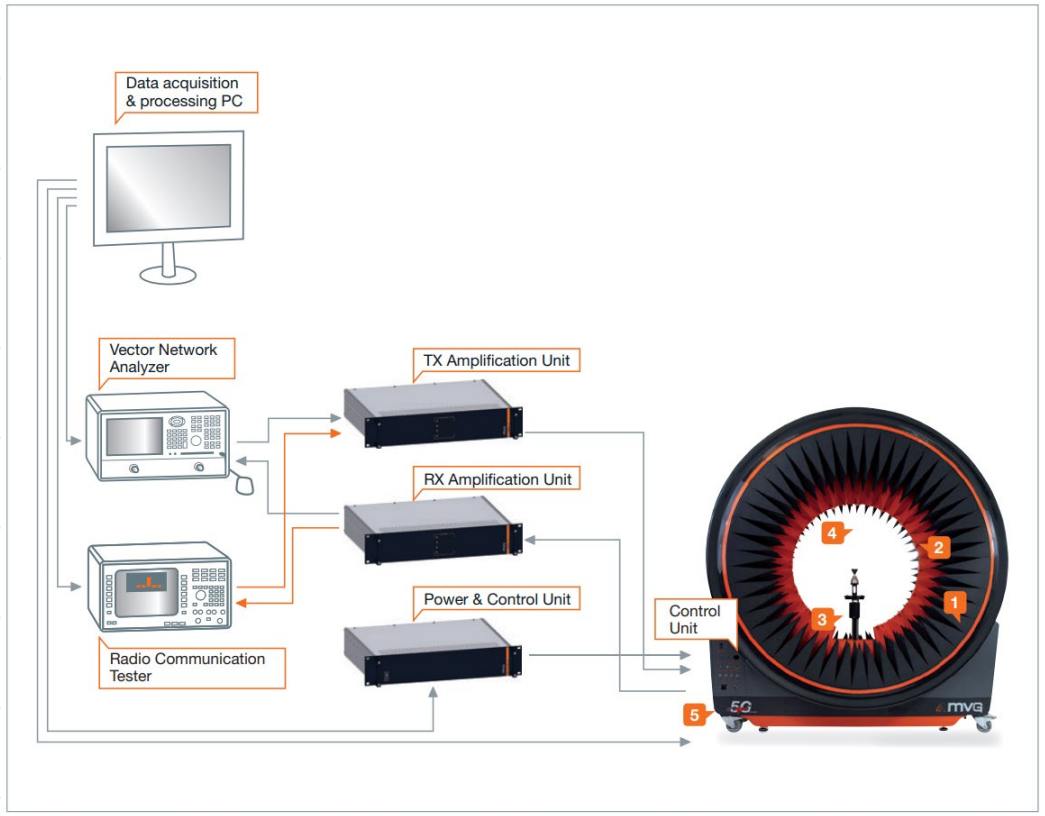
BEE-012
AUT Report

Antenna specification

- Frequency Range
  - 2402-2480 MHz
- Antenna Type
  - PCB antenna
- Connector Type
  - PCB integrated
- Antenna Gain (Peak)
  - +0.69 dBi

Antenna measurement procedure

- The antenna gain is measured with StarLab system.

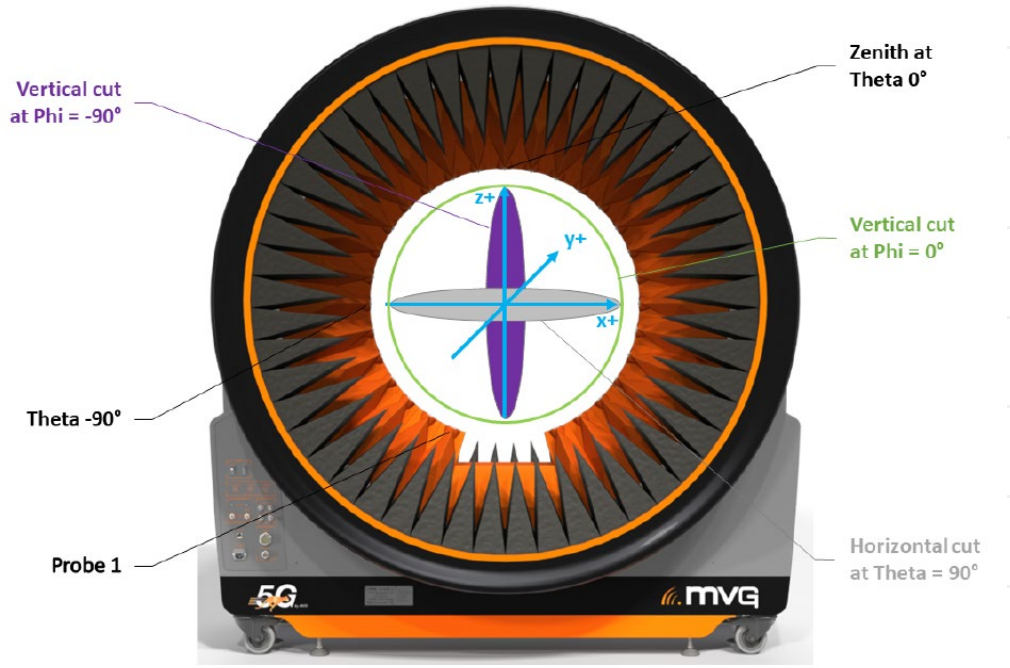


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(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
  - 2024/04/11
- Test Engineer
  - Mitsuru Katayama
- Measurement Software
  - Wave Studio ver.24.1.2

Measurement information

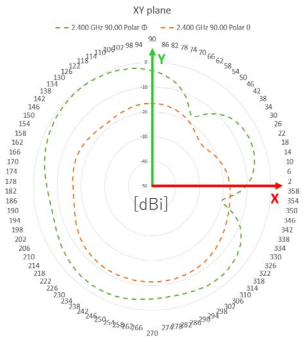
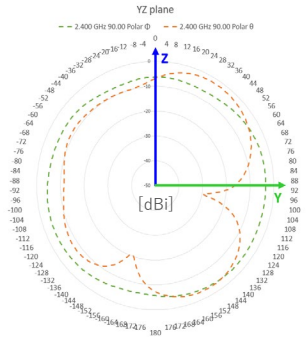
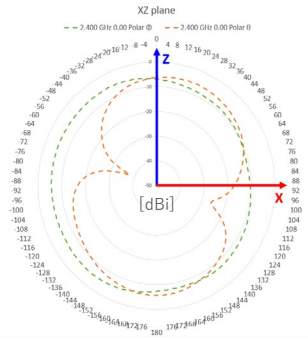
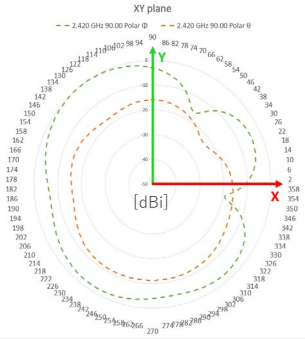
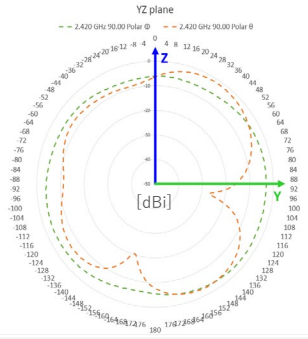
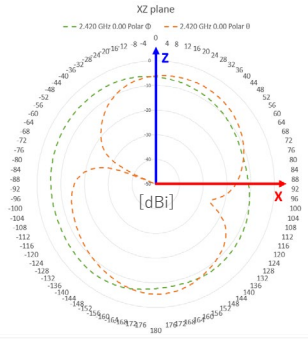
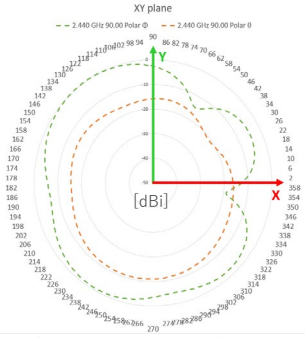
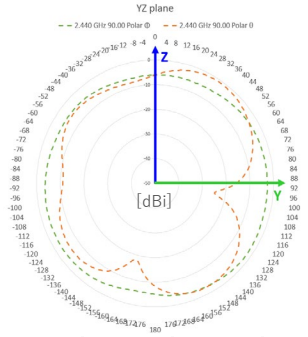
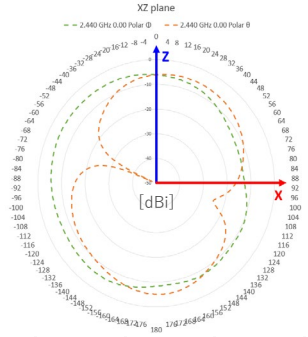
- Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Last Calibration Date
StarLab 50GHz system	MVG	StarLab 50GHz	1103673-0003	2023/10/13
Vector Network Analyzer	Keysight	P5008A	MY58100292	2023/10/13

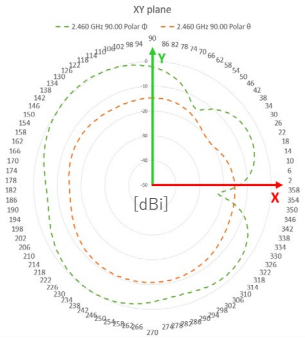
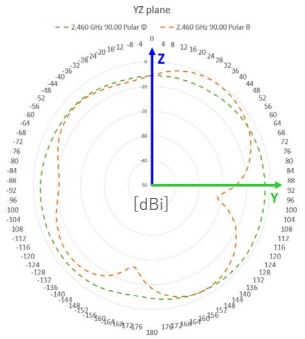
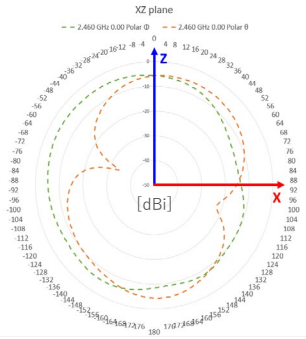
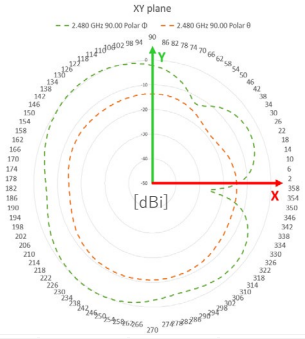
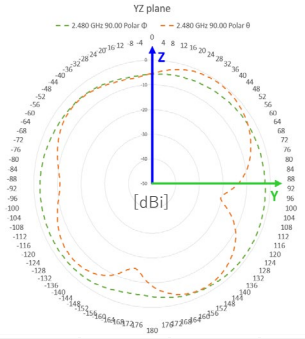
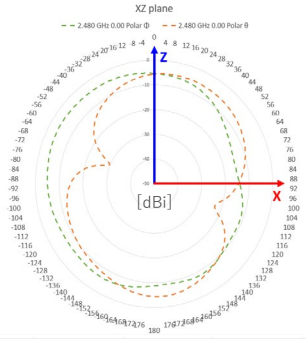
Antenna Gain

Frequency [MHz]	E_ϕ [dBi]			E_θ [dBi]		
	XY plane	YZ plane	XZ plane	XY plane	YZ plane	XZ plane
2400	-0.33	-3.12	-5.19	-11.41	-1.80	-5.61
2420	-0.06	-2.42	-5.20	-11.15	-1.33	-5.40
2440	0.17	-1.79	-4.66	-10.90	-0.87	-5.01
2460	0.61	-1.35	-4.08	-10.66	-0.49	-4.37
2480	0.69	-1.14	-3.88	-10.73	-0.46	-4.28

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			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