



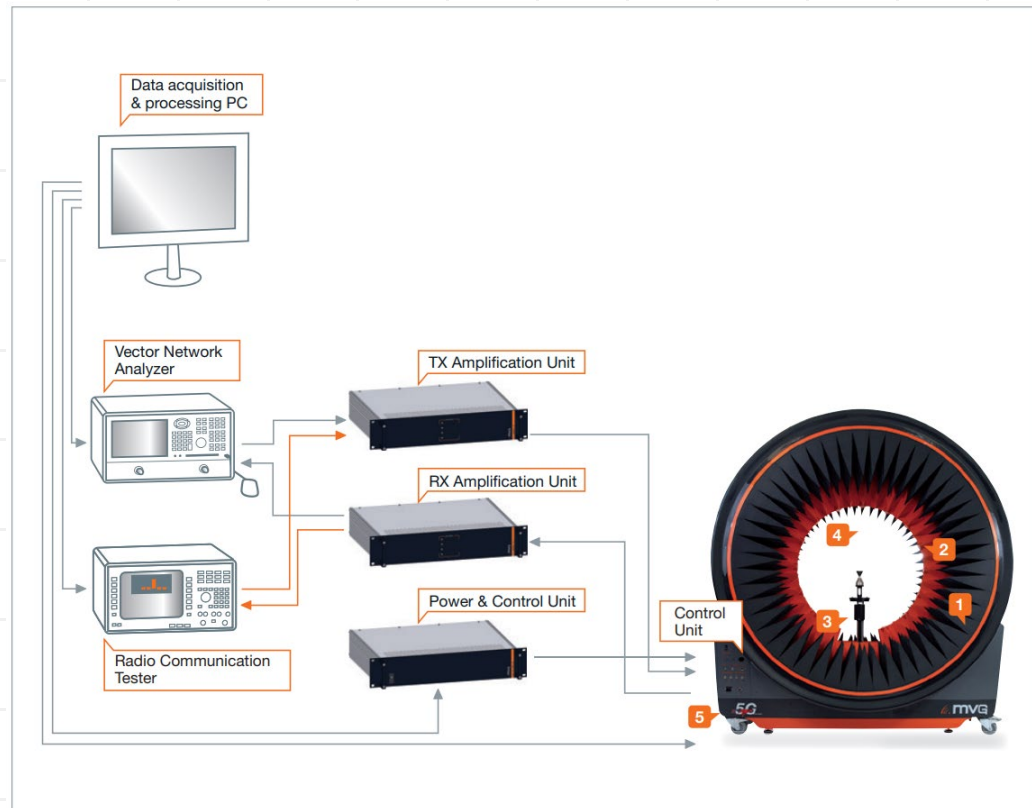
BEE-014 AUT Report

Antenna specification

- Frequency Range
 - 2402-2480 MHz
- Antenna Type
 - PCB antenna
- Connector Type
 - PCB integrated
- Antenna Gain (Peak)
 - +1.93 dBi

Antenna measurement procedure

- The antenna gain is measured with StarLab system.

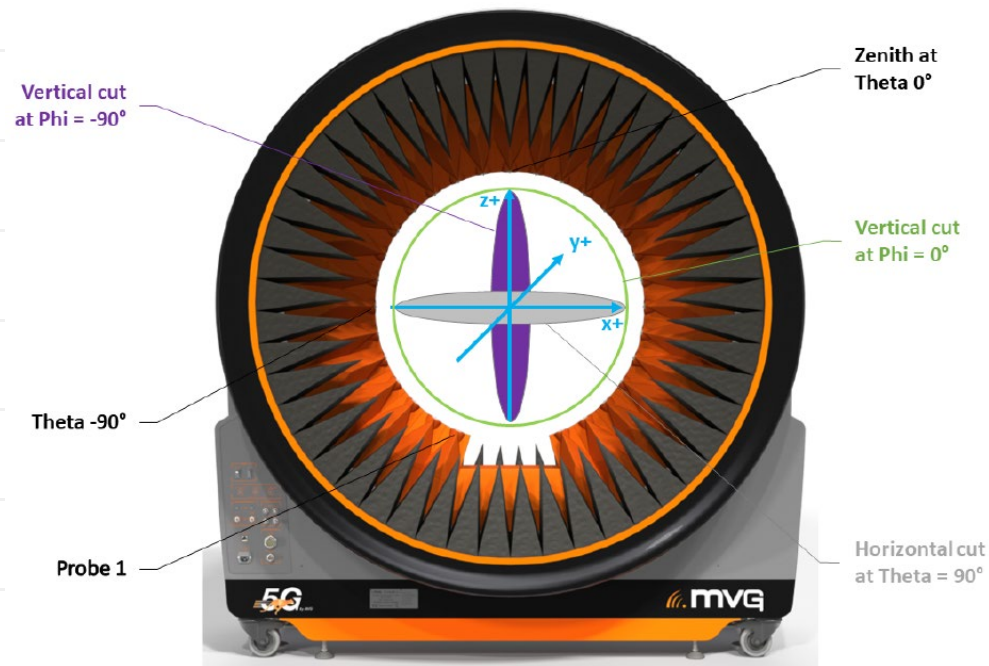


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(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	1.10	-1.53	-5.15	-10.26	0.20	-4.34
2420	1.47	-1.08	-4.88	-9.78	0.53	-4.11
2440	1.73	-0.72	-4.82	-9.48	0.62	-4.14
2460	1.93	-0.35	-4.56	-8.93	0.63	-4.17
2480	1.74	-0.38	-4.37	-8.70	0.52	-4.44

Antenna Gain Chart

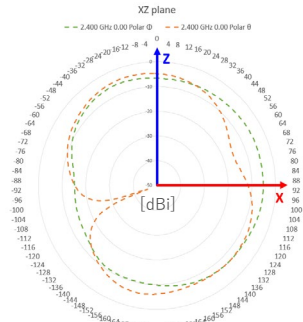
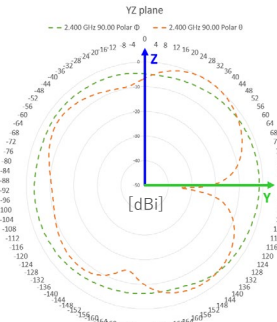
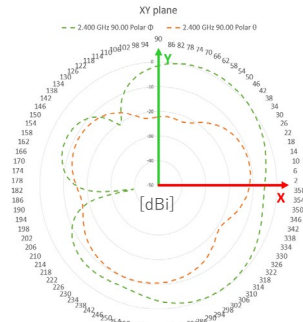
Frequency [MHz]

XY plane

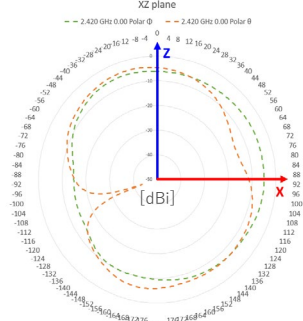
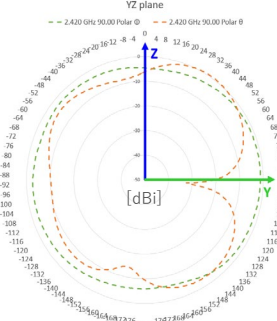
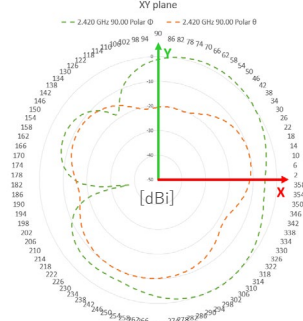
YZ plane

XZ plane

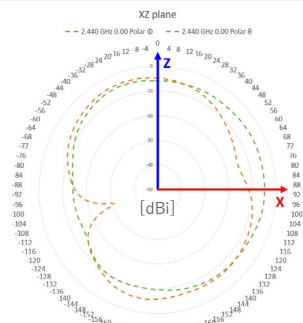
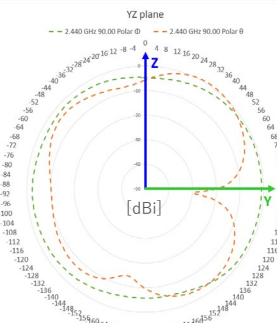
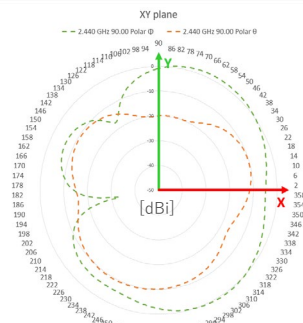
2400



2420



2440



Antenna Gain Chart

