



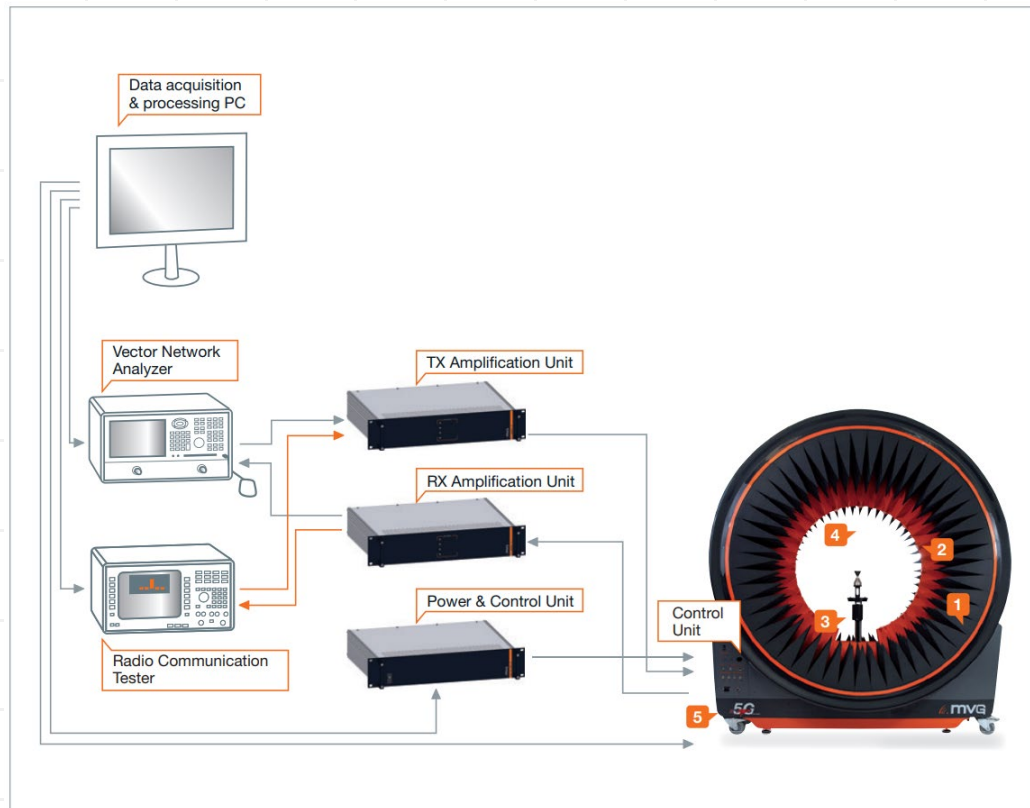
BEE-008 AUT Report

Antenna specification

- Frequency Range
 - 2402-2480 MHz
- Antenna Type
 - PCB antenna
- Connector Type
 - PCB integrated
- Antenna Gain (Peak)
 - +3.24 dBi

Antenna measurement procedure

- The antenna gain is measured with StarLab system.

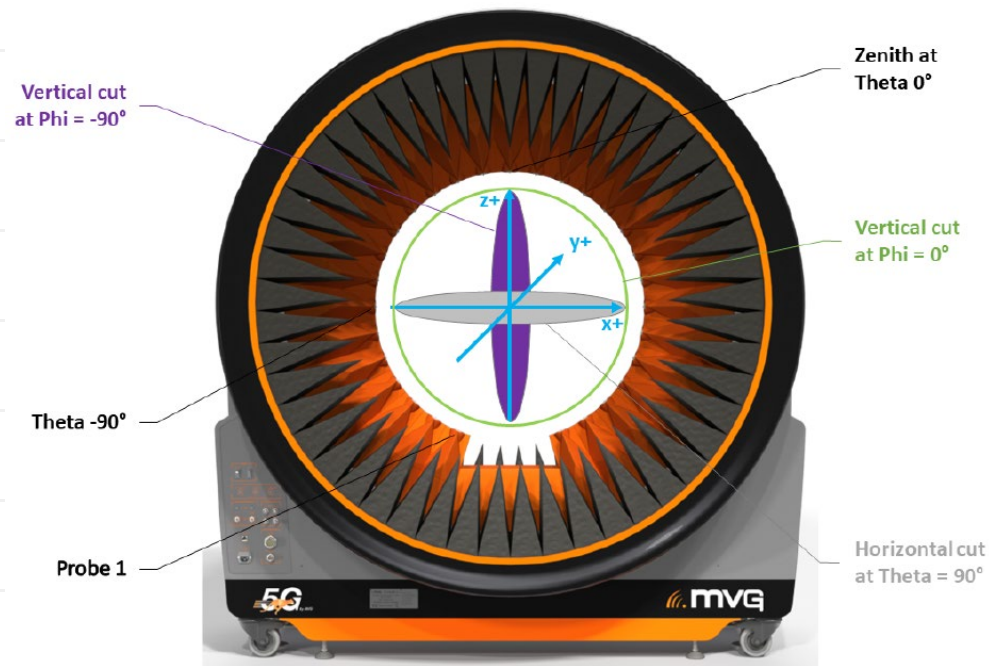


1. Wedge Absorber
2. Probe
3. Positioner
4. Oversampling
5. Accurate Stabilizer

(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
 - 2024/05/15
- 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	0.16	2.14	-1.86	-6.50	-4.28	-2.47
2420	0.42	2.61	-1.55	-6.52	-4.14	-1.81
2440	0.52	2.90	-1.44	-6.71	-4.10	-1.27
2460	0.75	3.18	-1.38	-6.66	-3.87	-0.51
2480	0.81	3.24	-1.58	-6.53	-3.95	-0.14

Antenna Gain Chart

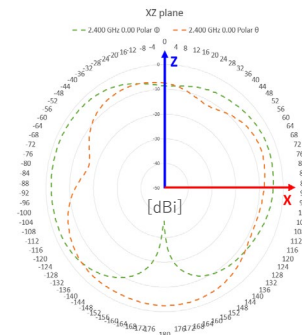
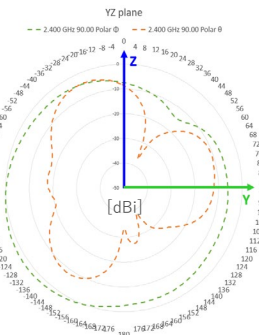
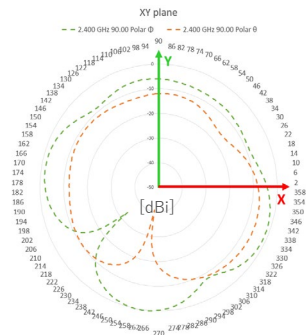
Frequency [MHz]

XY plane

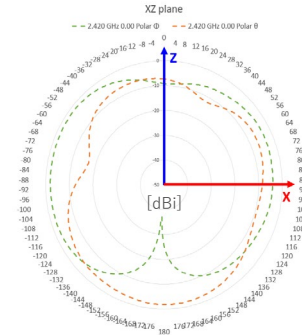
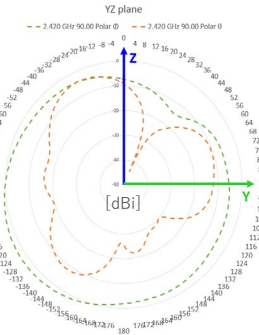
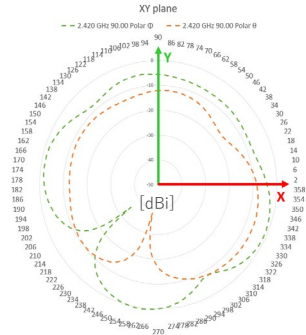
YZ plane

XZ plane

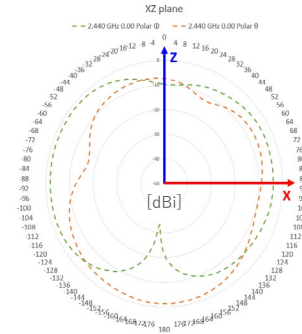
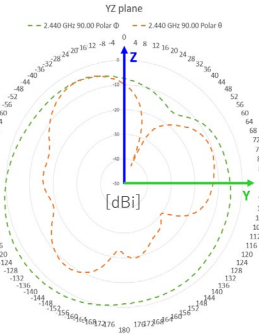
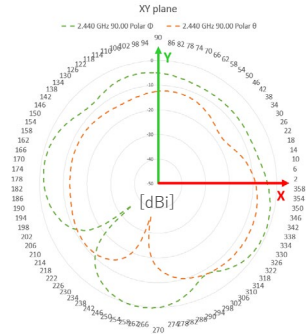
2400



2420



2440



Antenna Gain Chart

