

Antenna specification

Manufacture	: Panasonic Automotive Systems
Model name	: AN2302
Frequency	: 2412~2462MHz
Antenna gain	: 1.0dBi
Antenna type	: $\lambda/4$ Monopole Antenna
External view	: refer to "Antenna dimensional drawing" on AUT Setup Photo.

Antenna specification

Antenna Gain Description : Three vertical planes (XY/XZ/YZ planes)
Peak gain of main polarization

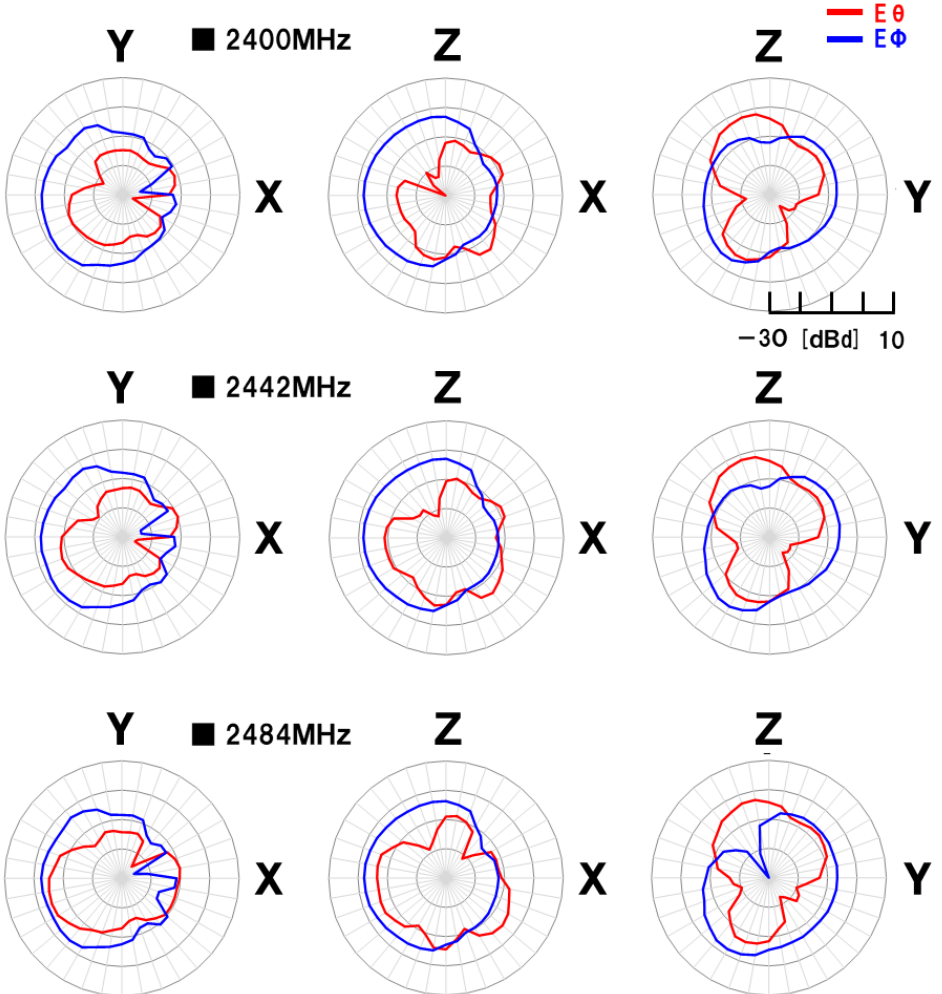
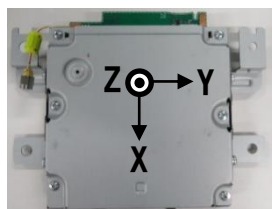
Test date : Apr. 26, 2023

Tester : Hiroaki Kobayashi

Test setup photographs : refer to ["Test setup" on AUT Setup Photo.](#)

Antenna specification

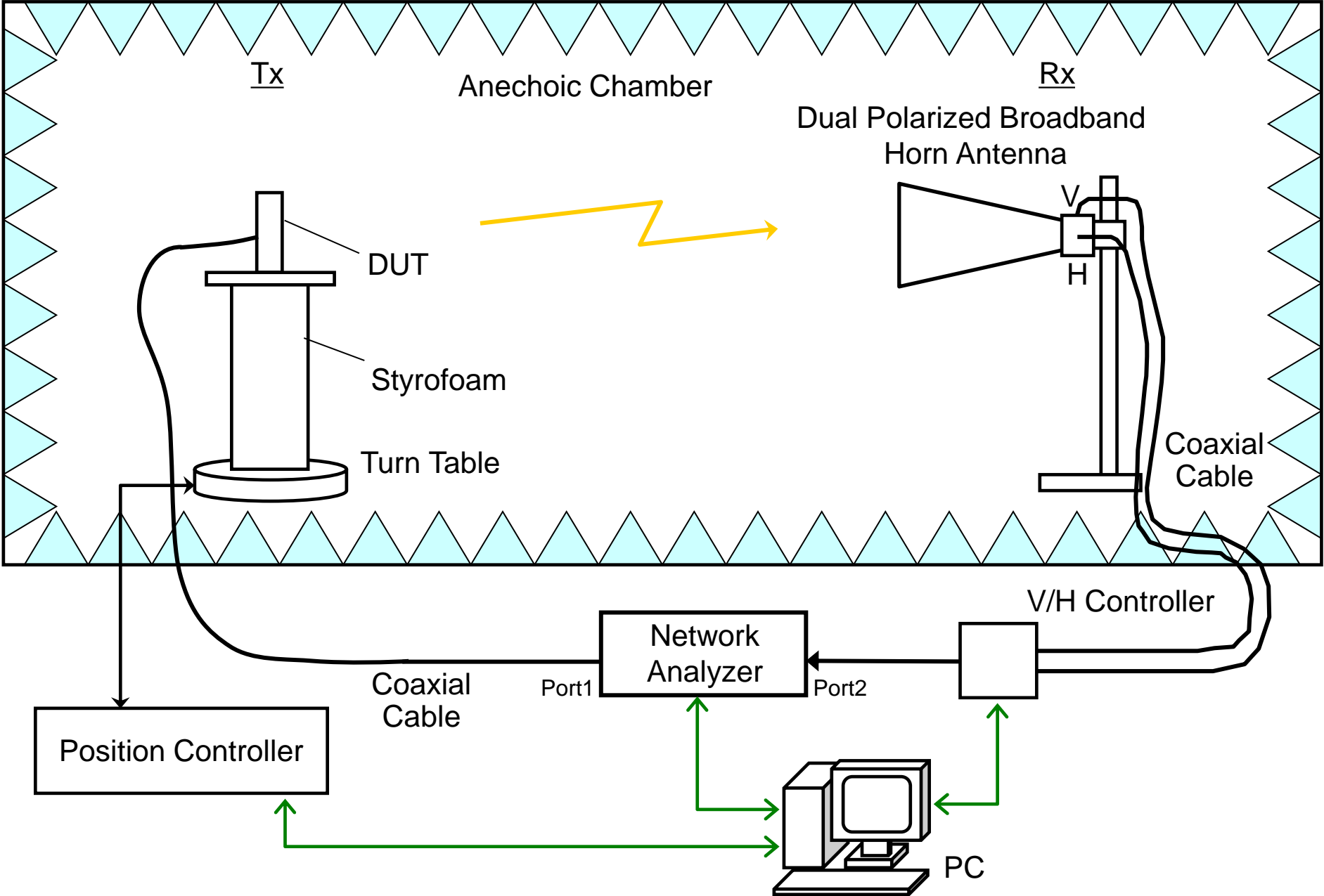
Antenna gain : 1.0dBi
 Directivity : refer to the chart below



Freq. [MHz]	Surface	Polarization	PeakGain [dBi]
2400	XY	Eθ	1.0
		Eφ	
	XZ	Eθ	0.0
		Eφ	
	YZ	Eθ	0.3
		Eφ	
2442	XY	Eθ	0.8
		Eφ	
	XZ	Eθ	0.5
		Eφ	
	YZ	Eθ	0.3
		Eφ	

Freq. [MHz]	Surface	Polarization	PeakGain [dBi]
2484	XY	Eθ	-0.3
		Eφ	
	XZ	Eθ	0.0
		Eφ	
	YZ	Eθ	0.3
		Eφ	

Measurement System



Equipment List

Network Analyzer	E5071C	Keysight Technologies
Dual Polarized Broadband Horn Antenna	BBHX 9120 E	SCHWARZBECK