

Antenna specification

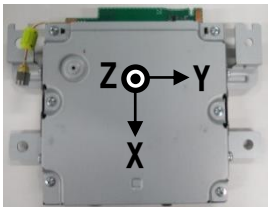
Manufacture : Panasonic Automotive Systems
Model name : AN2302
Frequency : 2412~2462MHz
Antenna gain : 1.0dBi
Antenna type : $\lambda/4$ Monopole Antenna
External view : refer to ["Antenna dimensional drawing"](#) on AUT Setup Photo.

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.](#)

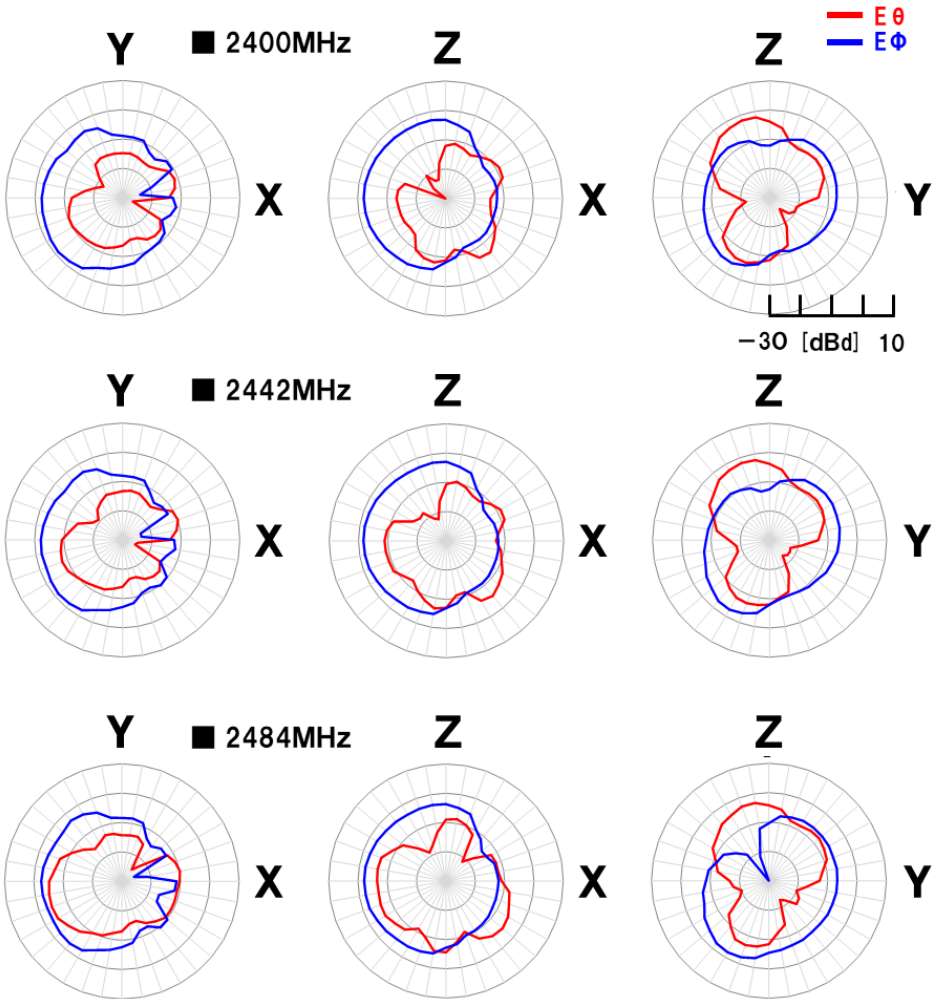
Antenna specification

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

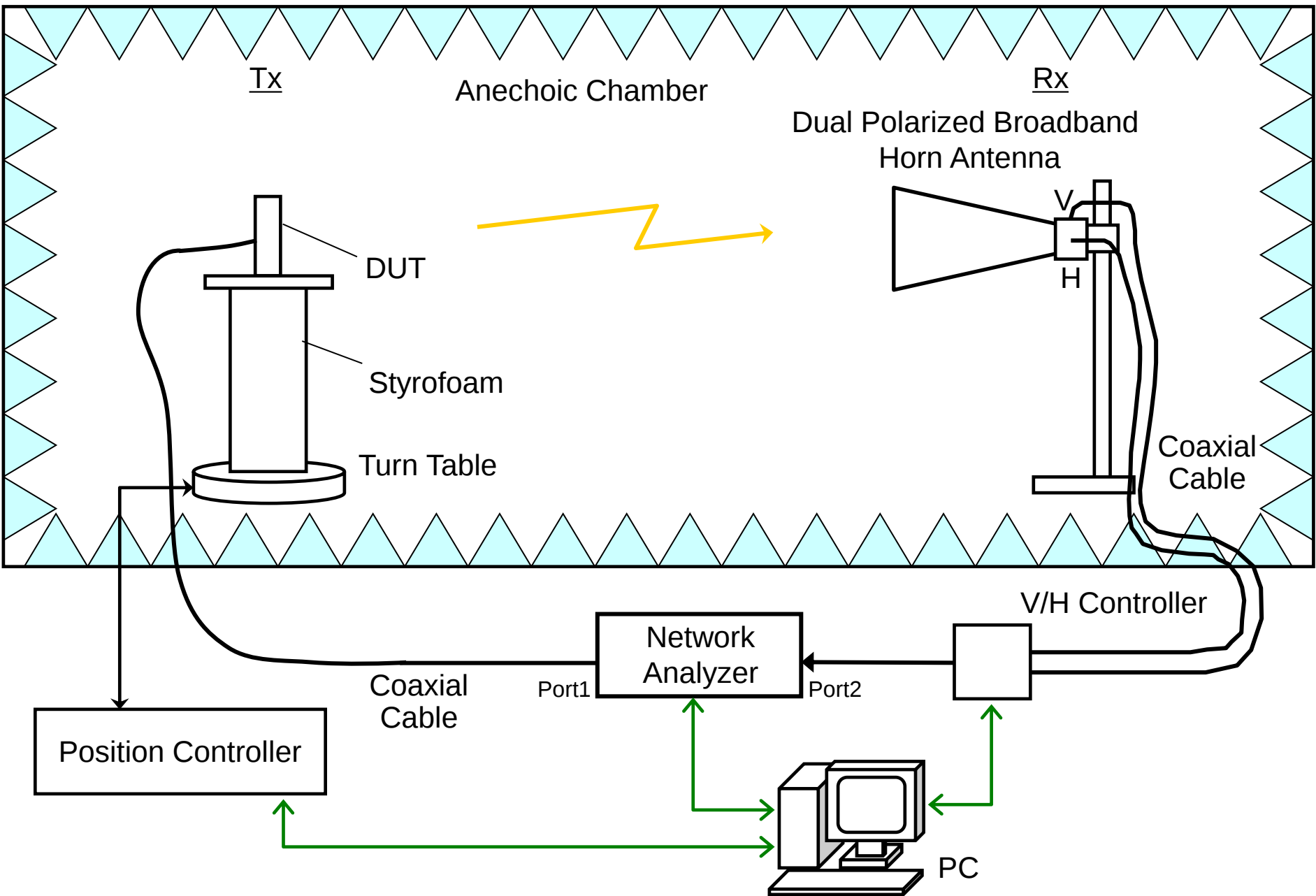


Freq. [MHz]	Surface	Polarization	PeakGain [dBi]
2400	XY	Eθ	1.0
		Eφ	
	XZ	Eθ	0.0
		Eφ	
	YZ	Eθ	0.3
		Eφ	
2442	XY	Eθ	0.8
		Eφ	
	XZ	Eθ	0.5
		Eφ	
	YZ	Eθ	0.3
		Eφ	

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