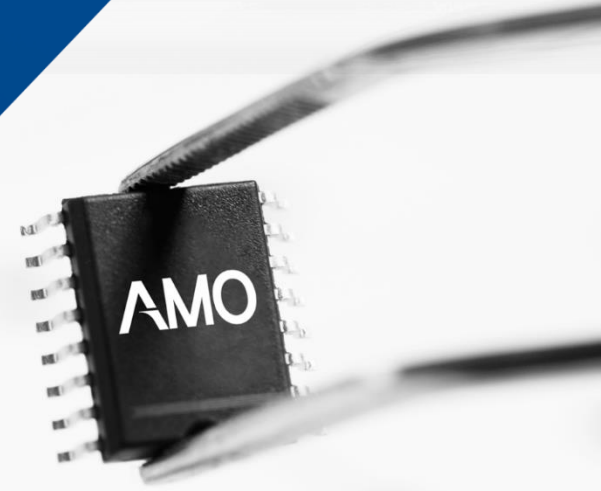


Antenna Measurement Report

Customer	Vinfast
Model	AMO-FCS0-F7004-UL240 / UL100
Application	Dual WiFi
Antenna type	FPCB+Cable Assembly type

2023. 08. 23



	Written	Reviewed	Approved
Approval			

Confidential

1. Antenna Information

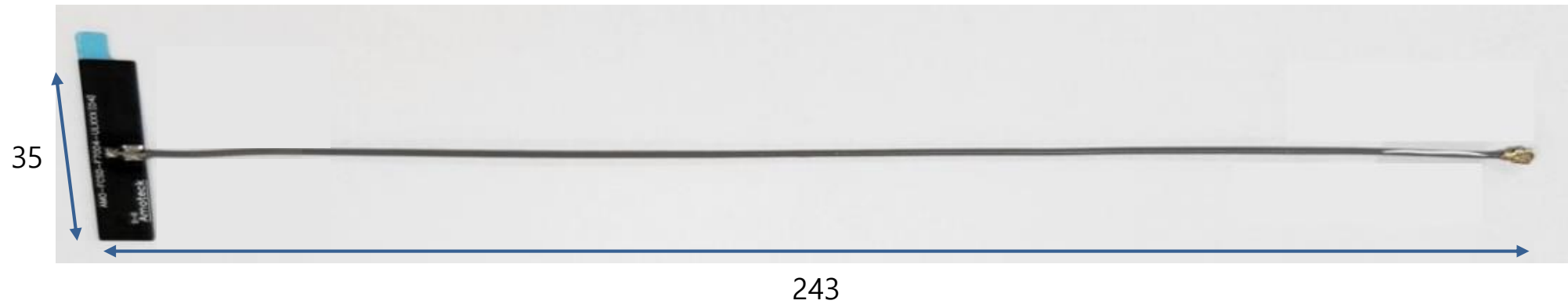
1-1) Information

Item	Contents	
Part Number	AMO-FCS0-F7004-UL240	AMO-FCS0-F7004-UL100
Antenna Type	FPCB + RF cable + RF connector assembly antenna	
Manufacturer	AMOTECH	
Address of Manufacturer	380 Namdongseo-ro, Namdong-gu, Incheon, Korea	
Test Laboratory	AMOTECH	
Testing S/W	MTG Mobile Antenna Measurement S/W	
Testing Instrument	Chamber	MTG [6 x 3 x 3 m]
	Calibration date	2023. 07. 13
	Network Analyzer	E5071C
Product Width	35 mm	35 mm
Product Length	243 mm	103 mm

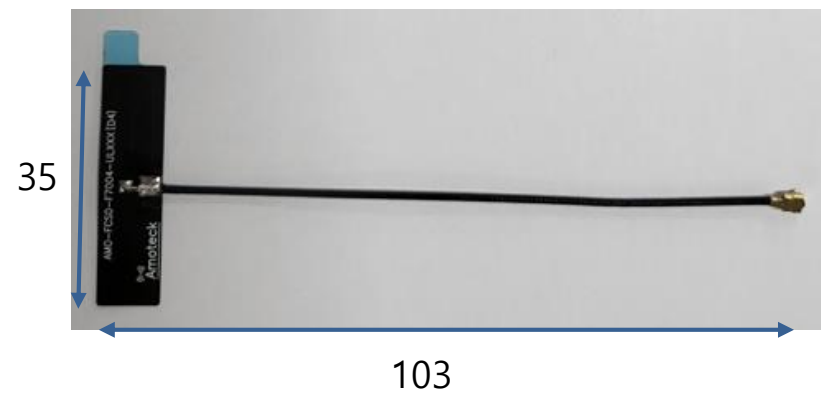
1. Antenna Information

1-2) Antenna figure

AMO-FCS0-F7004-UL240



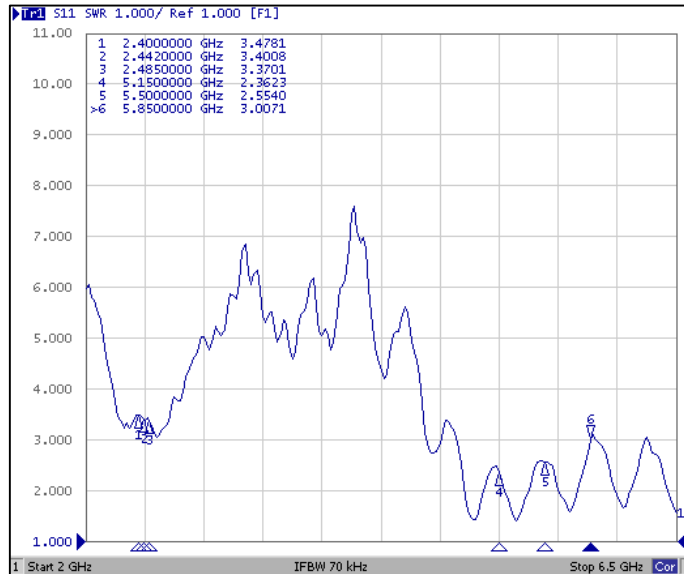
AMO-FCS0-F7004-UL100



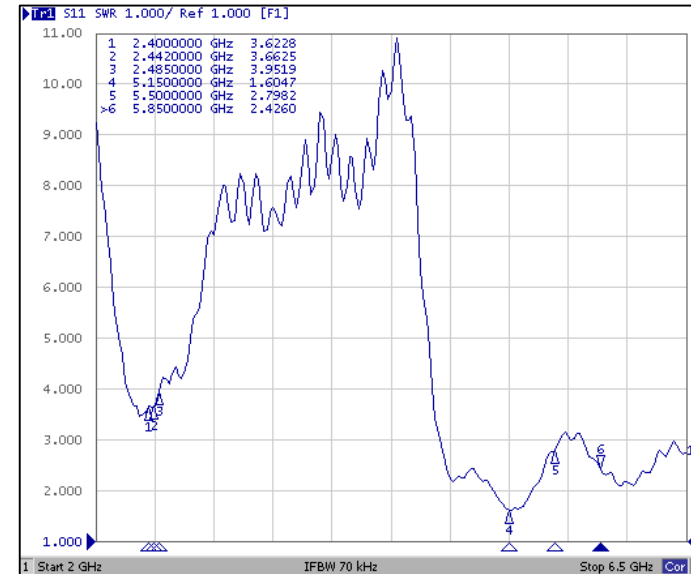
unit : mm

3. Measurement Report

1-1) Antenna VSWR



AMO-FCS0-F7004-UL240



AMO-FCS0-F7004-UL100

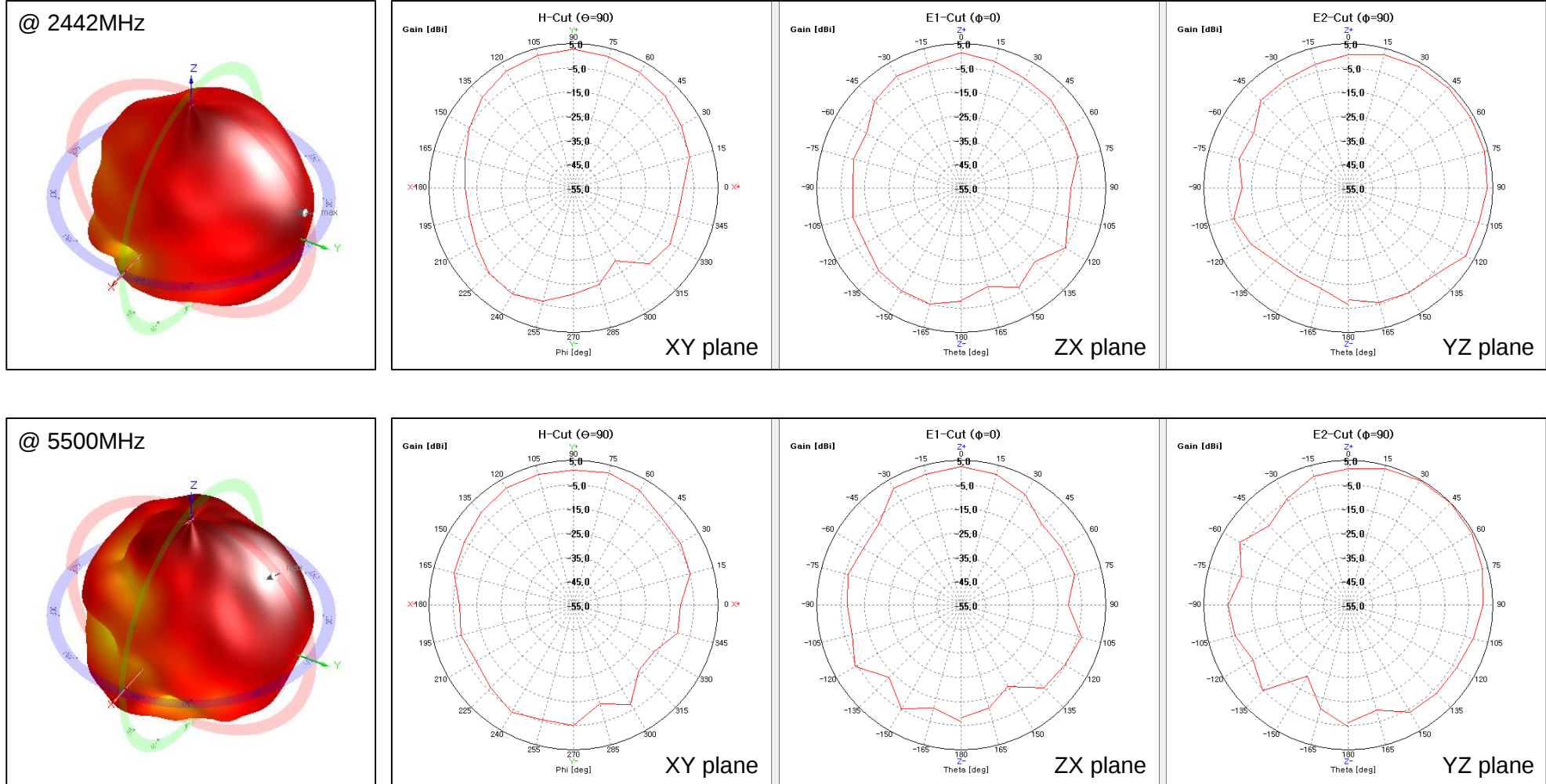
1. Measurement Report

1-2) Passive gain table

Frequency [MHz]	AMO-FCS0-F7004-UL240			AMO-FCS0-F7004-UL100		
	Efficiency [%]	Avg. Gain [dBi]	Peak Gain [dBi]	Efficiency [%]	Avg. Gain [dBi]	Peak Gain [dBi]
2400	40.00	-3.98	3.17	45.54	-3.42	3.89
2442	49.11	-3.09	3.61	43.64	-3.60	3.70
2485	36.09	-4.43	2.19	35.73	-4.47	2.48
5150	48.83	-3.11	4.75	65.85	-1.81	6.35
5500	56.70	-2.46	5.03	55.30	-2.57	5.41
5850	46.97	-3.28	4.48	51.25	-2.90	5.27

1. Measurement Report

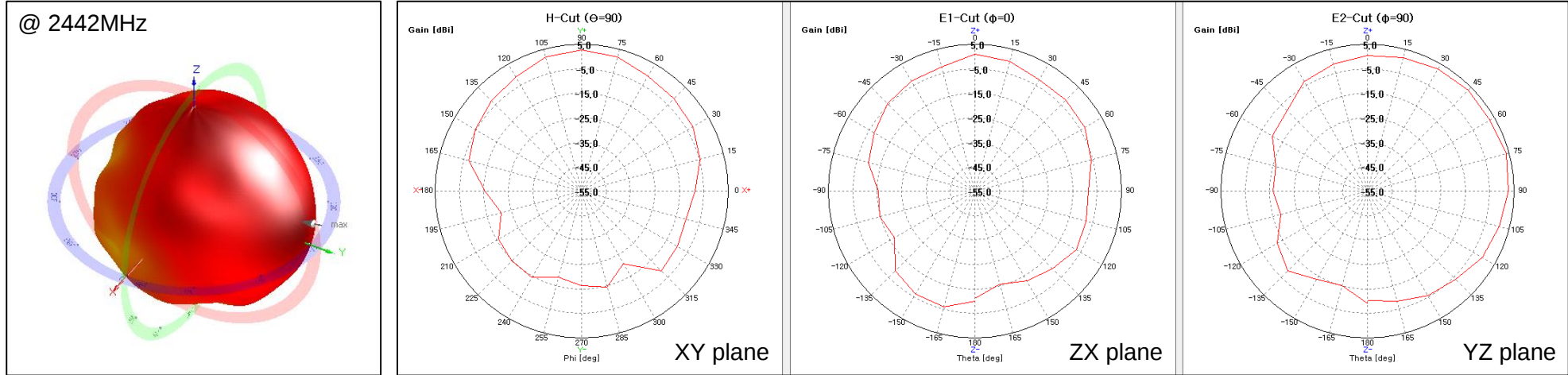
1-3) 2D / 3D Radiation Pattern **AMO-FCS0-F7004-UL240**



1. Measurement Report

1-4) 2D / 3D Radiation Pattern **AMO-FCS0-F7004-UL100**

@ 2442MHz



@ 5500MHz

