

Regulatory WLAN Antenna Information

Platform information										
Brand		ODM		End Product model name				Platform type (ex: regular NB, convertible PC, AIO...etc)		
ASUS		Inventec		主型號: G614FH/G614FM/G614FP/G614FR G614PH/G614PM/G614PP/G614PR 系列型號: G614F/GL614F/G614FH//G614FM/ G614FP/G614FR/GL614FR/G614P/ GL614P/G614PH/G614PM/G614PP G614PR/GL614PR				Regular NB		
Antenna information										
Vendor		Type		Antenna Part number (Main)				Antenna Part number (Aux)		
AWAN		PIFA		6036B0334201 (AYP6Y-100363)				6036B0334401 (AYP6Y-100364)		
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0GHz 6875-7125MHz
Main	1.58	1.77	2.23	2.02	3.19	3.39	2.99	1.89	1.73	1.51
Aux	2.61	2.54	1.86	2.73	2.19	2.38	1.58	-0.38	0.6	-0.24

Antenna Information

Section 1. Antenna Assembly Specifications

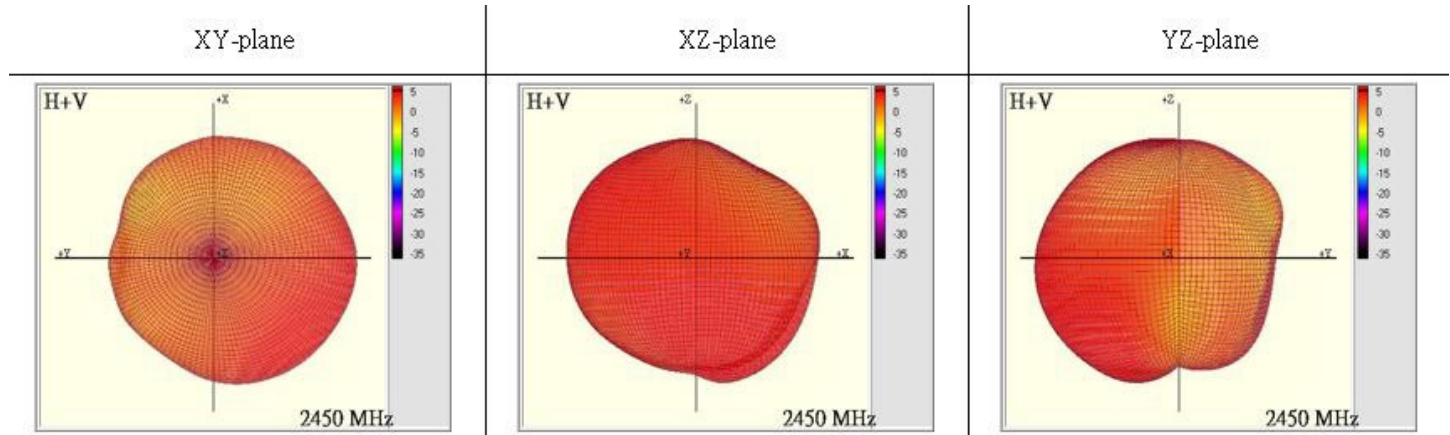
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
(P/N: AYP6Y-100363) Main Antenna	AWAN	PIFA	50 ohm Coaxial length: 145mm diameter: 1.13mm Normal Cable Connector : I-PEX IV	2400-2483.5	1.58	2.02	2.0	0.44
				5150-5250	1.77	2.47	2.0	0.70
				5250-5350	2.23	2.93	2.0	0.70
				5470-5725	2.02	2.73	2.0	0.71
				5725-5850	3.19	3.92	2.0	0.73
				5850-5895	3.39	4.12	2.0	0.73
				5925-6425	2.99	3.73	2.0	0.74
				6425-6525	1.89	2.69	2.0	0.80
				6525-6875	1.73	2.54	2.0	0.81
				6875-7125	1.51	2.34	2.0	0.83
(P/N: AYP6Y-100364) Aux Antenna	AWAN	PIFA	50 ohm Coaxial length: 350mm diameter: 1.13mm Normal Cable Connector : I-PEX IV	2400-2483.5	2.61	3.66	2.0	1.05
				5150-5250	2.54	4.24	2.0	1.70
				5250-5350	1.86	3.56	2.0	1.70
				5470-5725	2.73	4.44	2.0	1.71
				5725-5850	2.19	3.95	2.0	1.76
				5850-5895	2.38	4.14	2.0	1.76
				5925-6425	1.58	3.37	2.0	1.79
				6425-6525	-0.38	1.56	2.0	1.94
				6525-6875	0.6	2.55	2.0	1.95
				6875-7125	-0.24	1.76	2.0	2.00

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

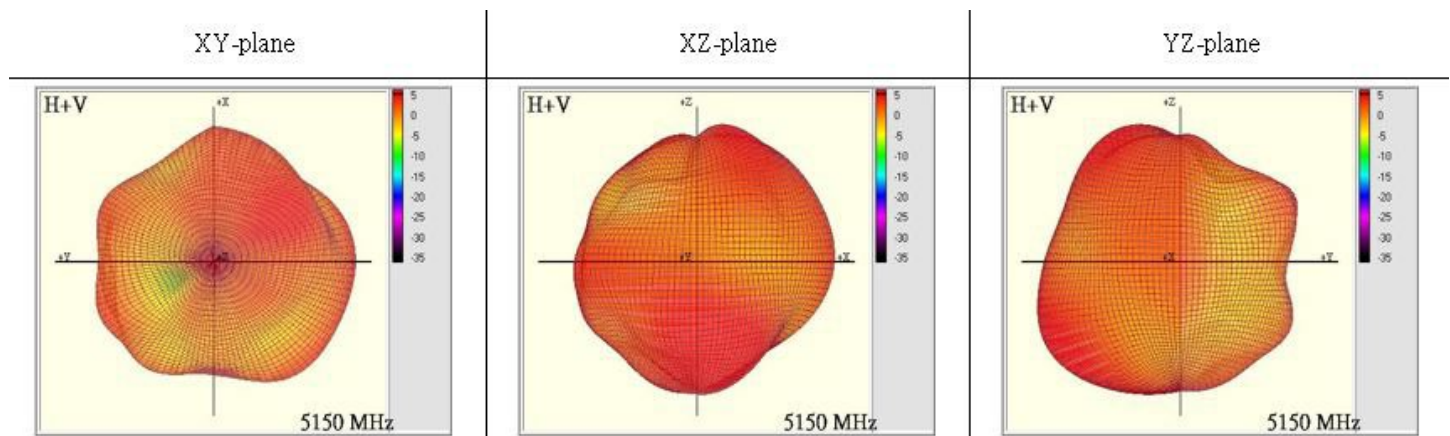
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.58



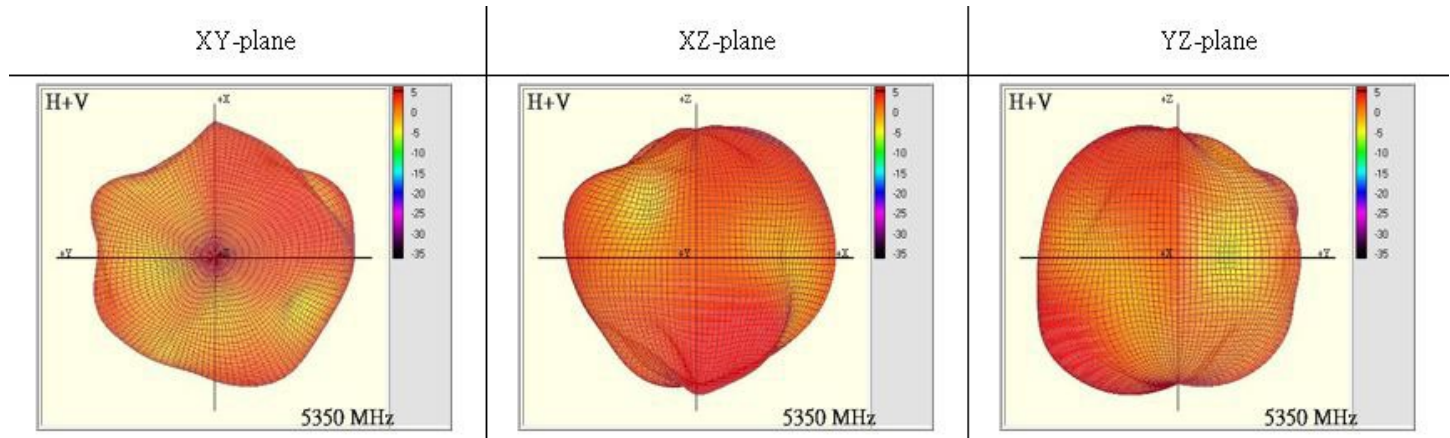
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.77



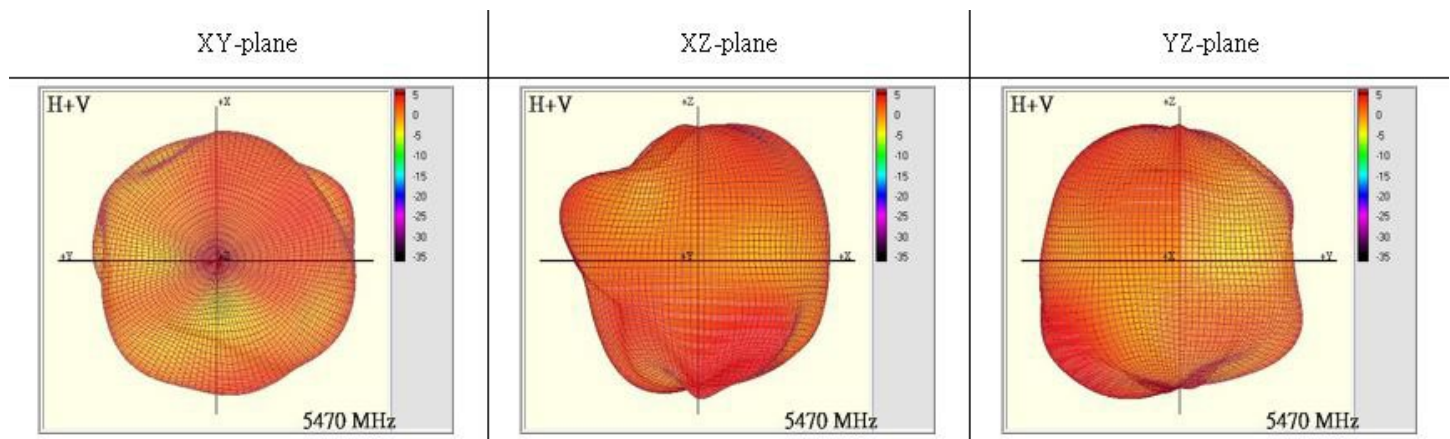
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.23



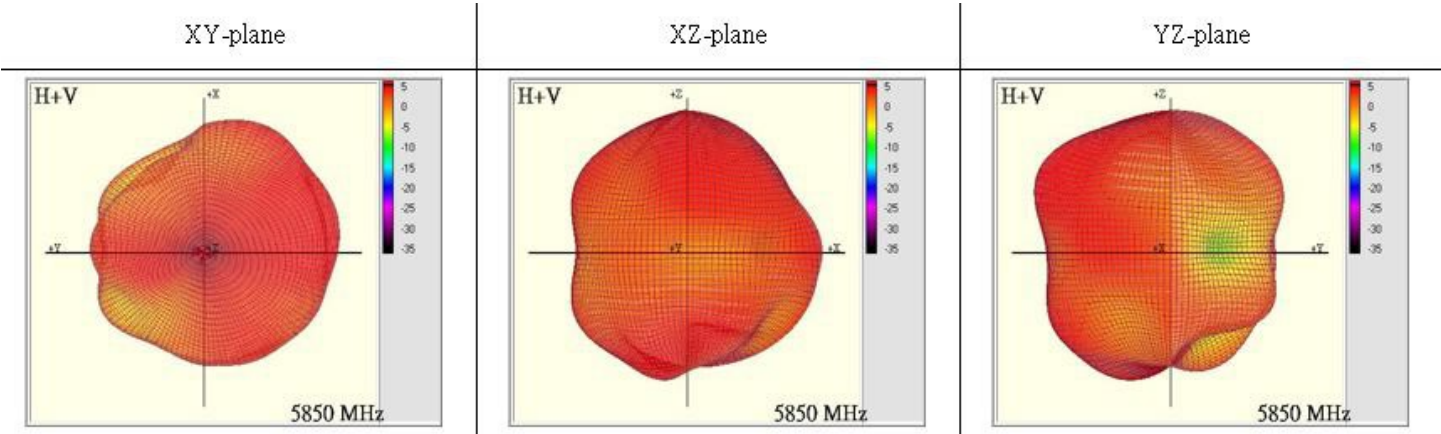
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.02



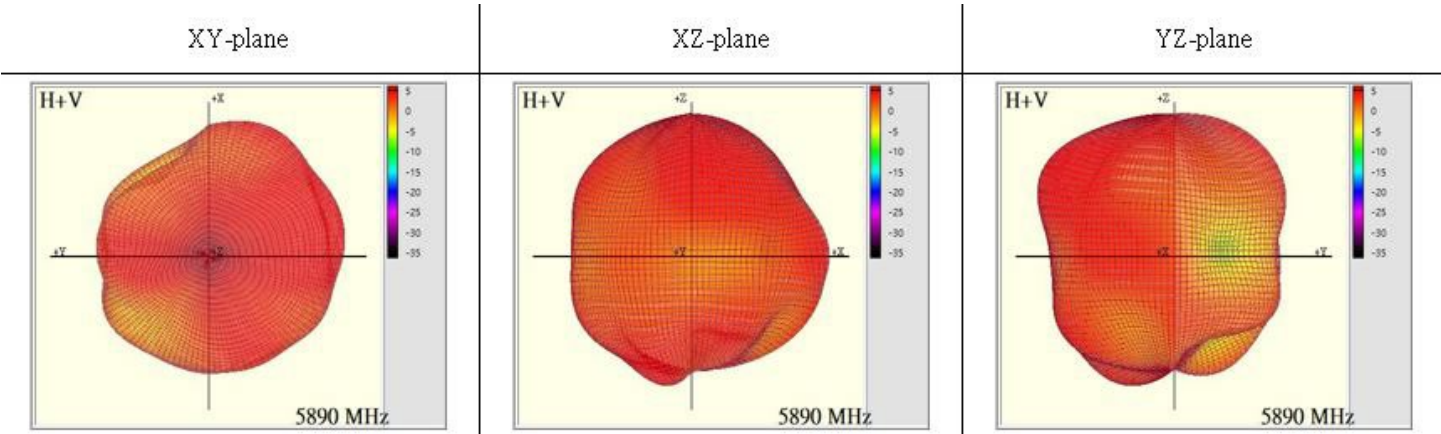
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.19



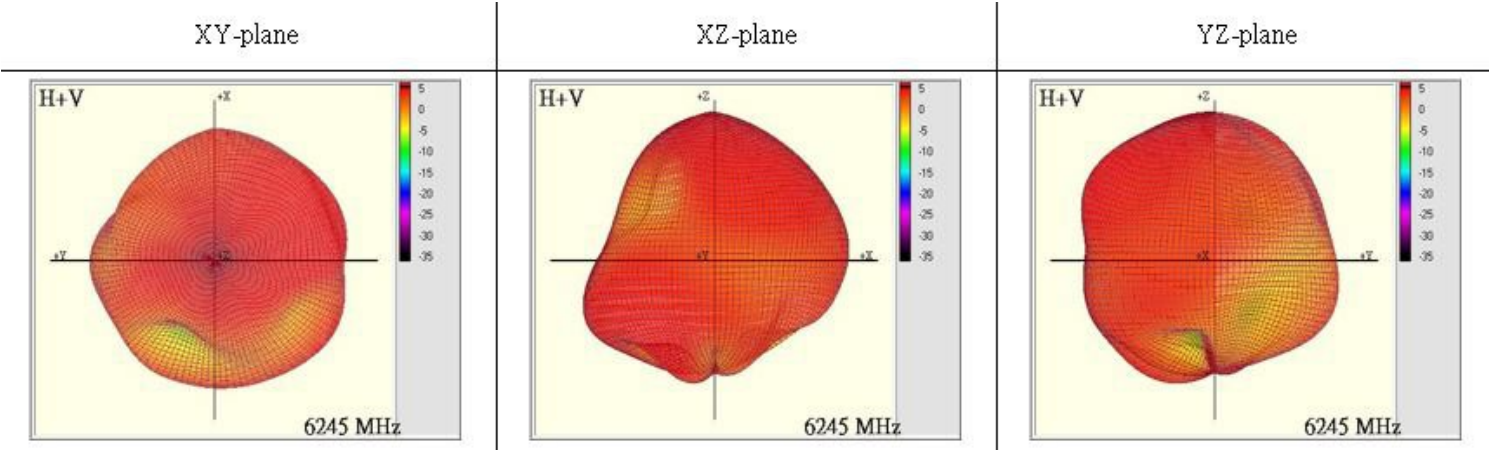
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	3.39



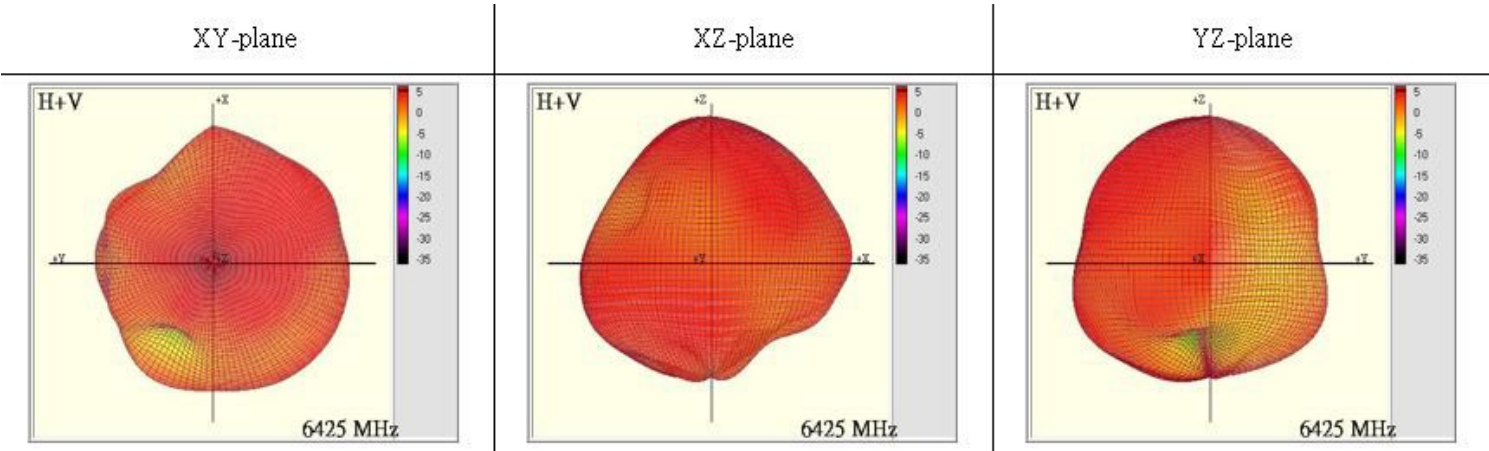
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.99



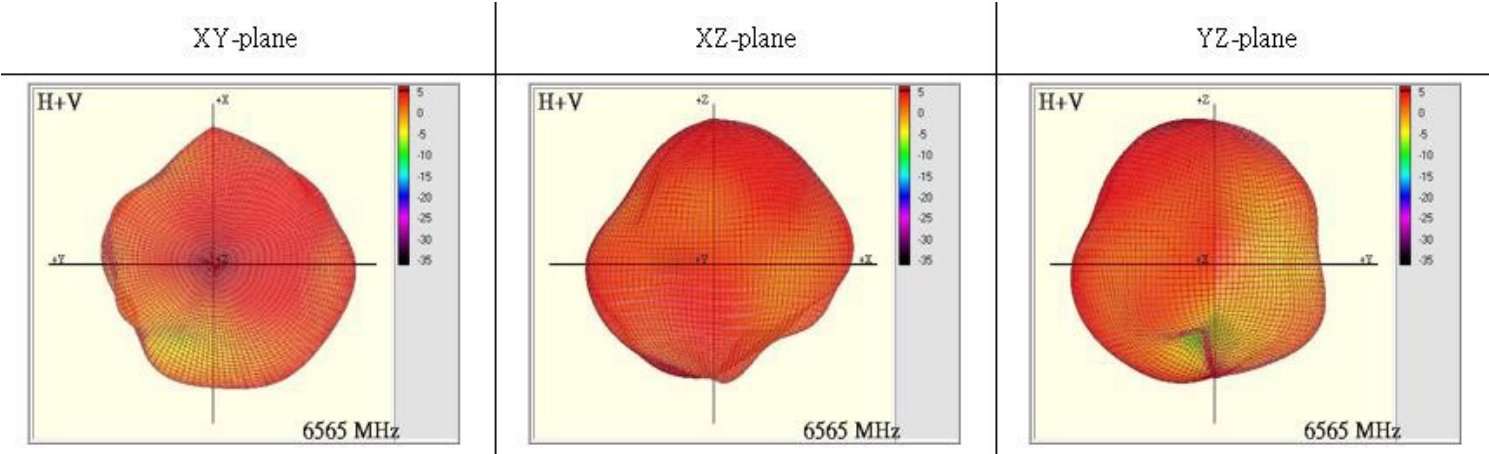
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.89



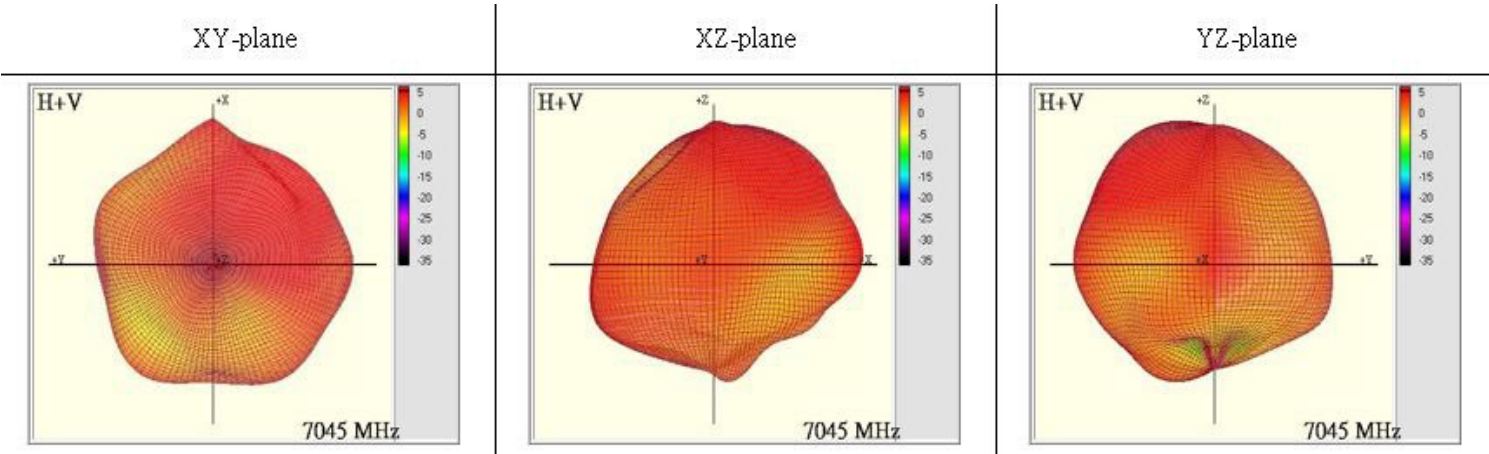
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.73



Max Antenna 3D Radiation Pattern 6875-7125 MHz

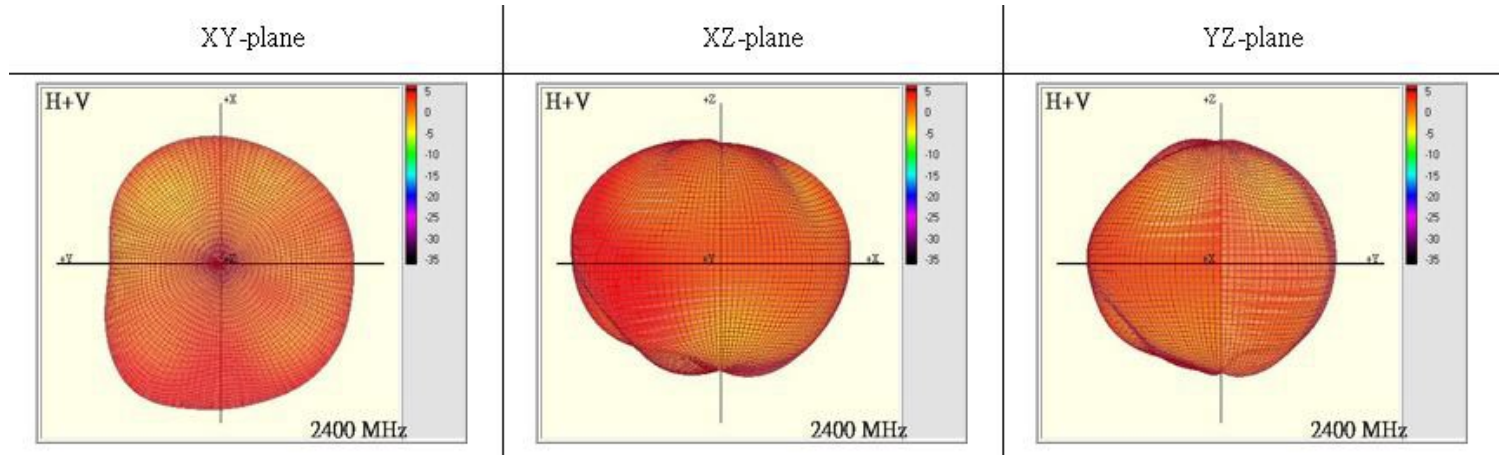
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	1.51



Auxiliary Antenna

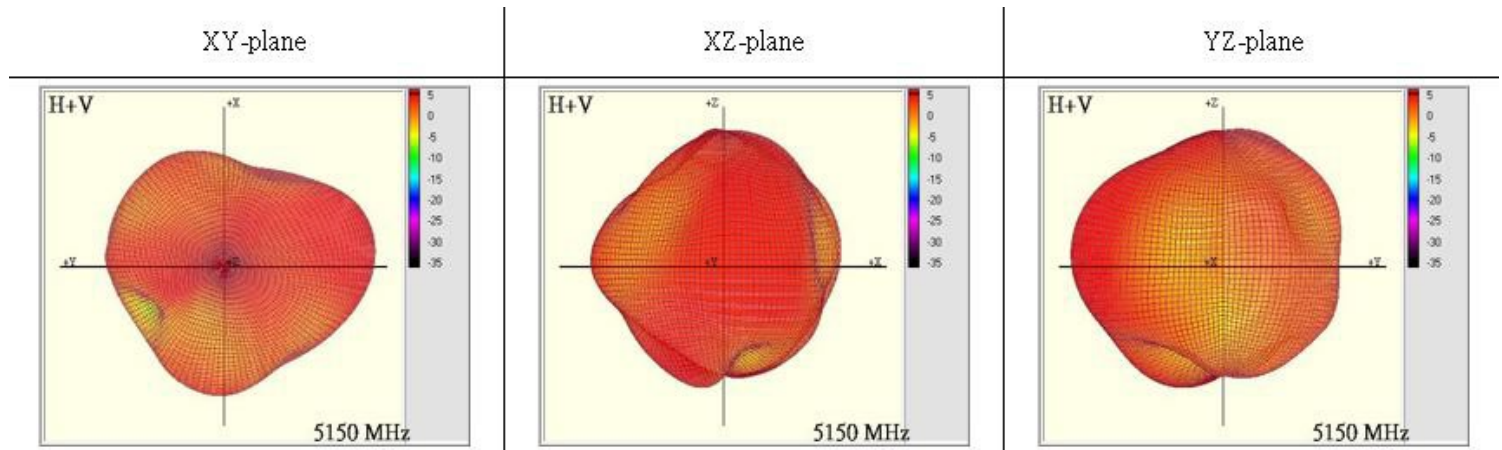
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.61



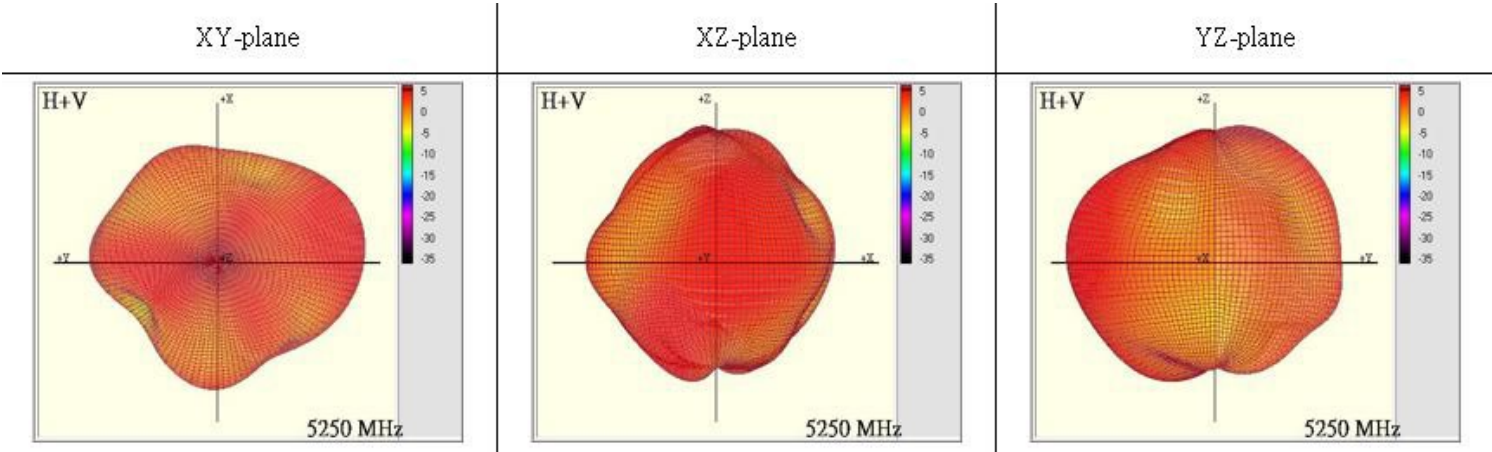
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.54



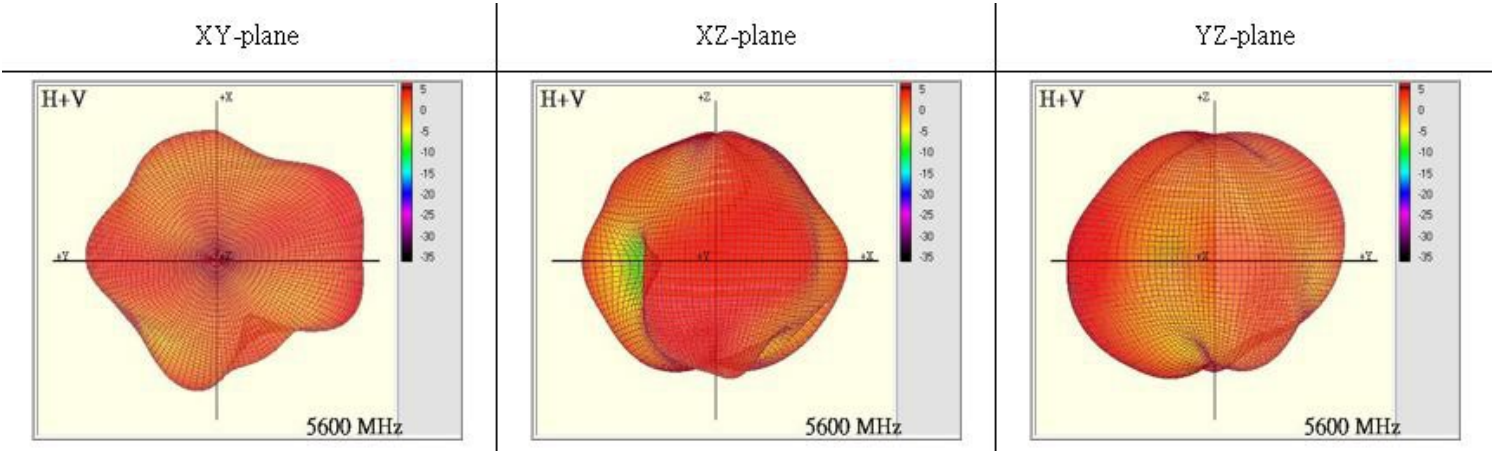
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.86



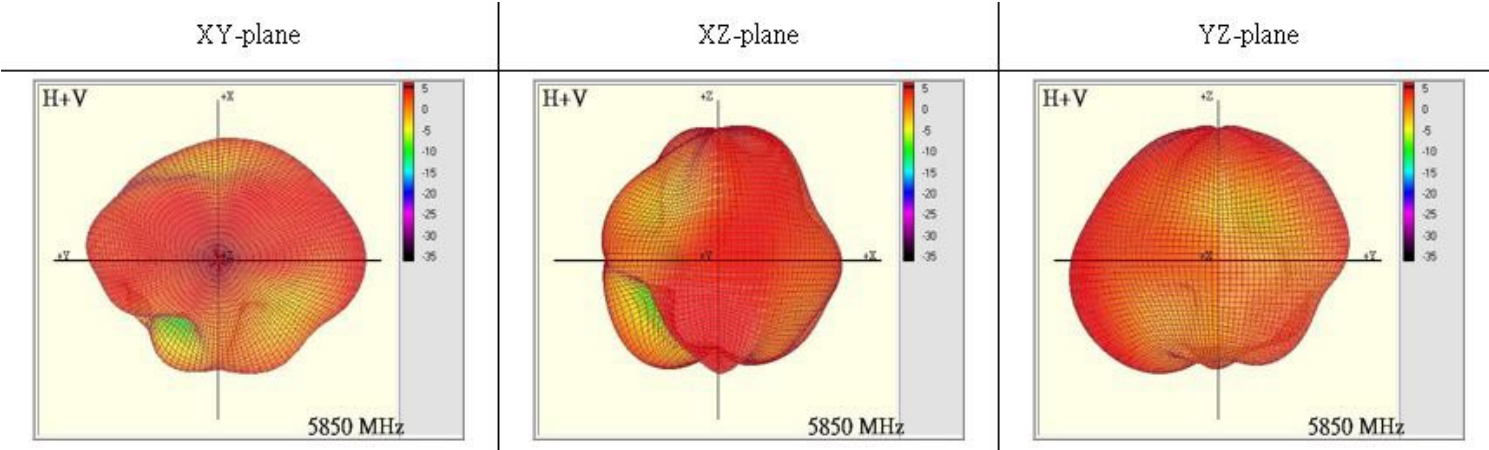
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.73



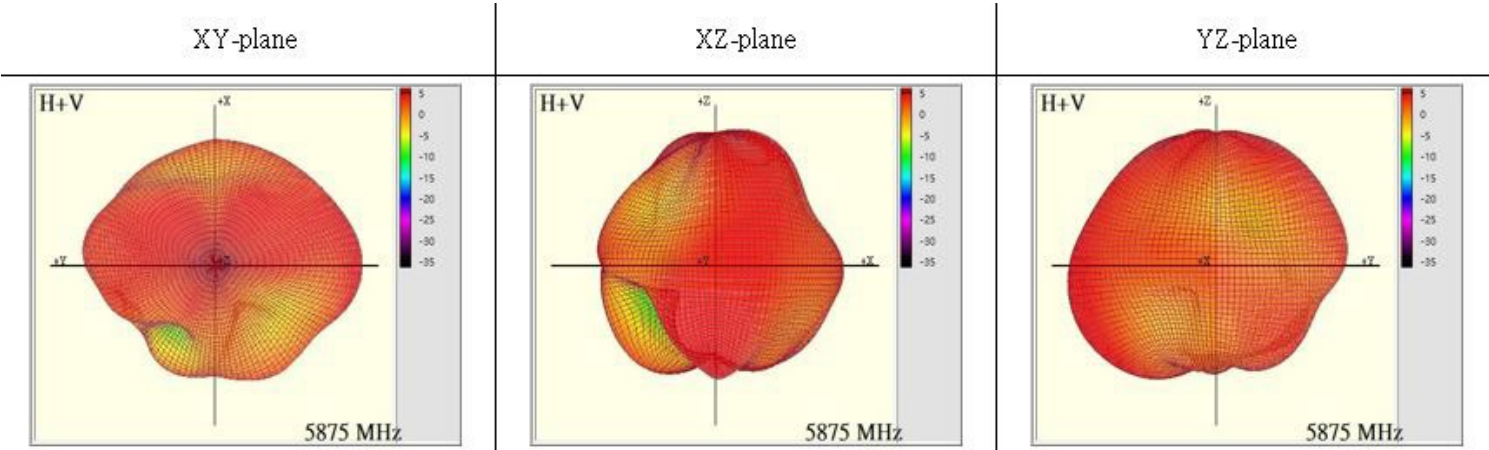
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.19



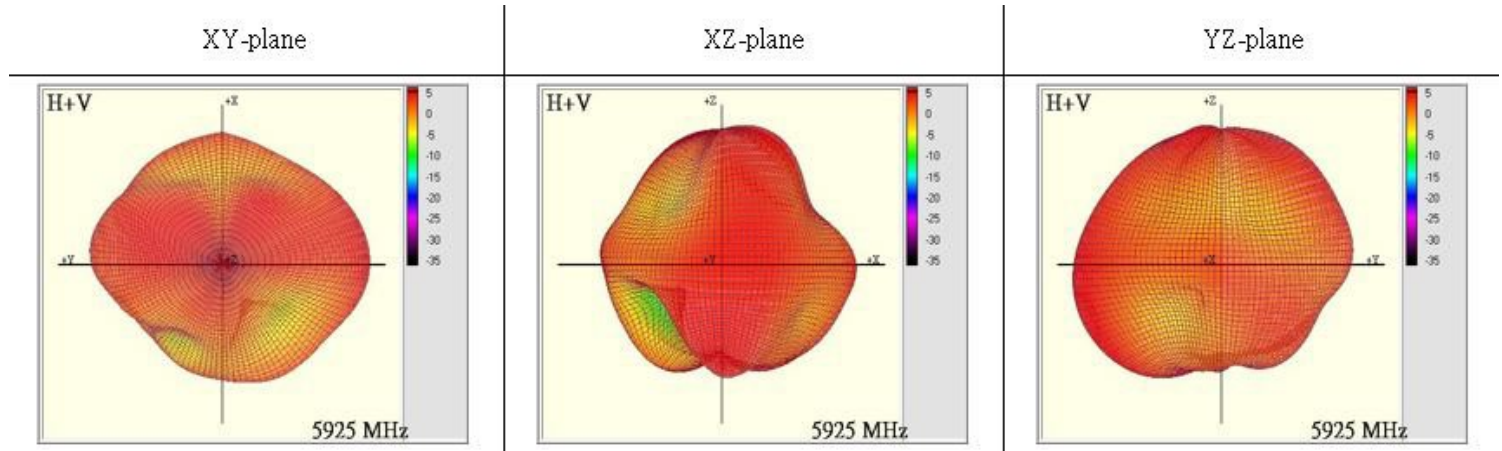
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.38



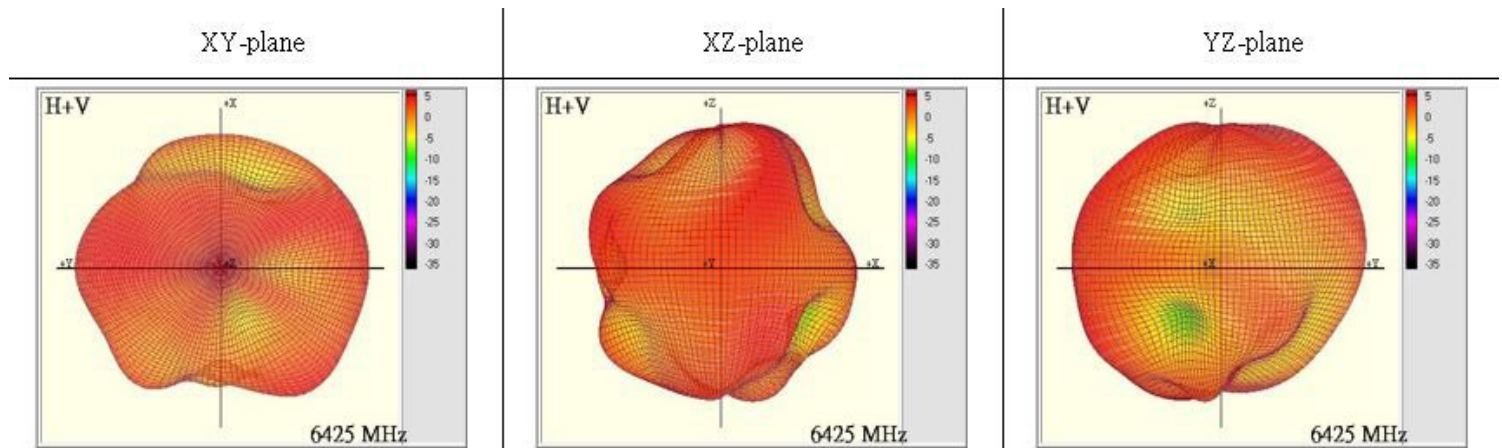
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	1.58



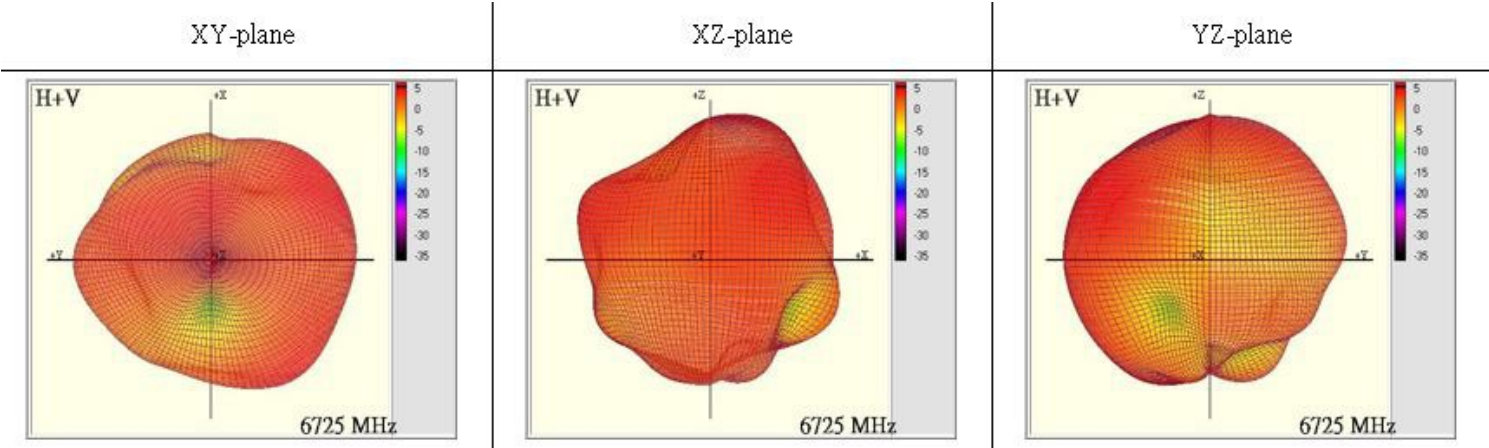
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	-0.38



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	0.60



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	-0.24

