

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: G814FH/G814FM/G814FP G814PH/G814PM/G814PP 系列型號: G814F/GL814F/G814FH G814FM/G814FP/G814P GL814P/G814PH/G814PP				Regular NB		
Antenna information										
Vendor		Type		Antenna Part number (Main)				Antenna Part number (Aux)		
AWAN		PIFA		6036B0334101 (AWAN/AYP6Y-100365)				6036B0334601 (AWAN/AYP6Y-100366)		
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	1.72	3.15	3.36	4.34	3.36	3.51	3.38	1.65	1.28	2.09
Aux	2.65	3.27	3.27	2.38	2.44	2.45	4.11	4.07	3.02	0.88

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-100365) Main Antenna	AWAN	PIFA	50 ohm Coaxial length: 191mm diameter: 1.13mm Normal Cable Connector : I-PEX IV	2400-2483.5	1.72	2.29	2.0	0.57
				5150-5250	3.15	4.08	2.0	0.93
				5250-5350	3.36	4.29	2.0	0.93
				5470-5725	4.34	5.27	2.0	0.93
				5725-5850	3.36	4.32	2.0	0.96
				5850-5895	3.51	4.47	2.0	0.96
				5925-6425	3.38	4.36	2.0	0.98
				6425-6525	1.65	2.71	2.0	1.06
				6525-6875	1.28	2.34	2.0	1.06
				6875-7125	2.09	3.18	2.0	1.09
(P/N: AYP6Y-100366) Aux Antenna	AWAN	PIFA	50 ohm Coaxial length: 438mm diameter: 1.13mm Normal Cable Connector : I-PEX IV	2400-2483.5	2.65	3.97	2.0	1.32
				5150-5250	3.27	5.39	2.0	2.12
				5250-5350	3.27	5.39	2.0	2.12
				5470-5725	2.38	4.52	2.0	2.14
				5725-5850	2.44	4.65	2.0	2.21
				5850-5895	2.45	4.66	2.0	2.21
				5925-6425	4.11	6.35	2.0	2.24
				6425-6525	4.07	6.49	2.0	2.42
				6525-6875	3.02	5.46	2.0	2.44
				6875-7125	0.88	3.38	2.0	2.50

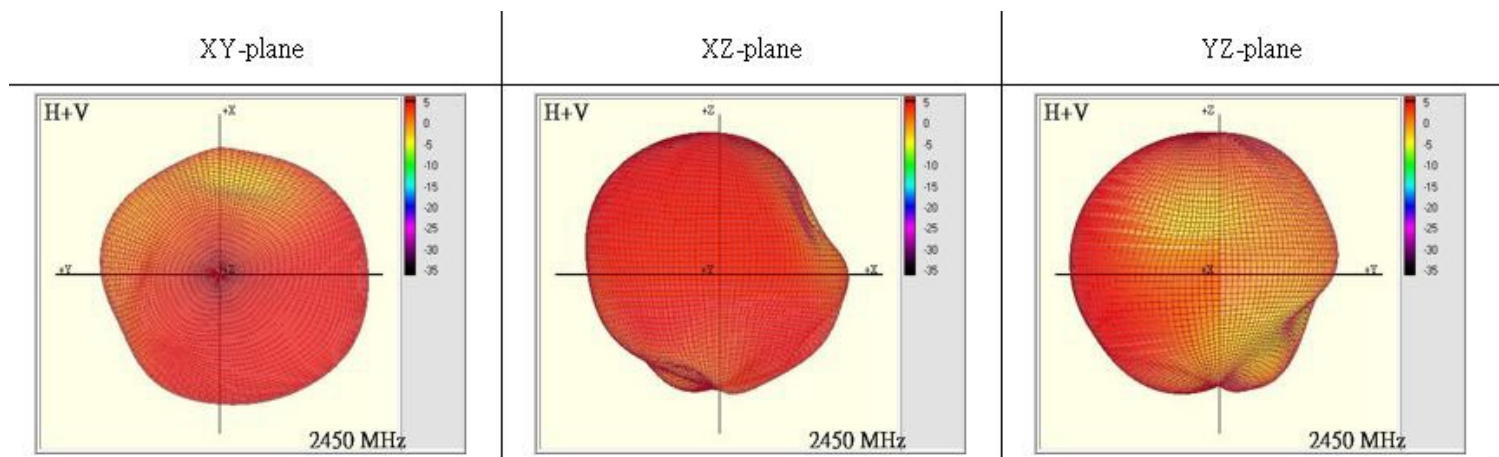
Section 2. Dimensioned Photos and Drawings of Antennas

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

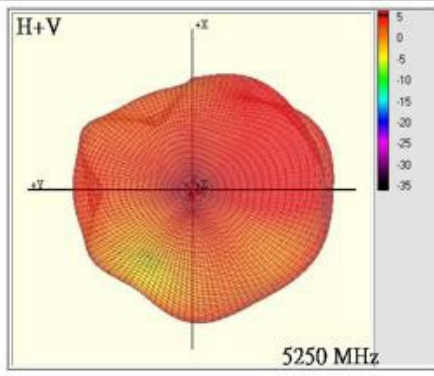
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.72



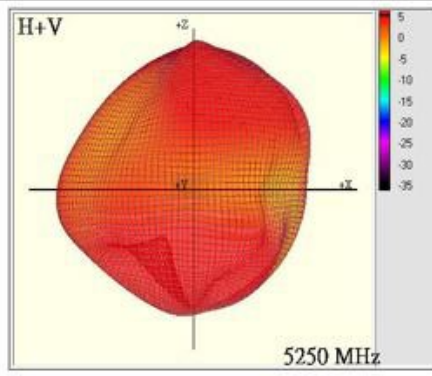
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	3.15

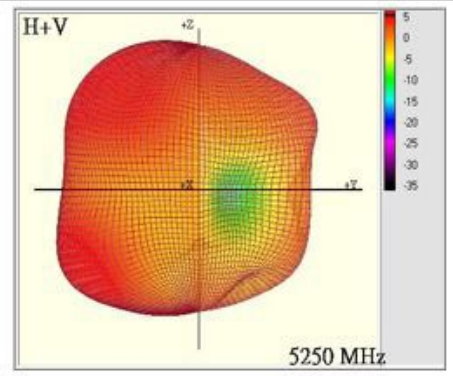
XY-plane



XZ-plane

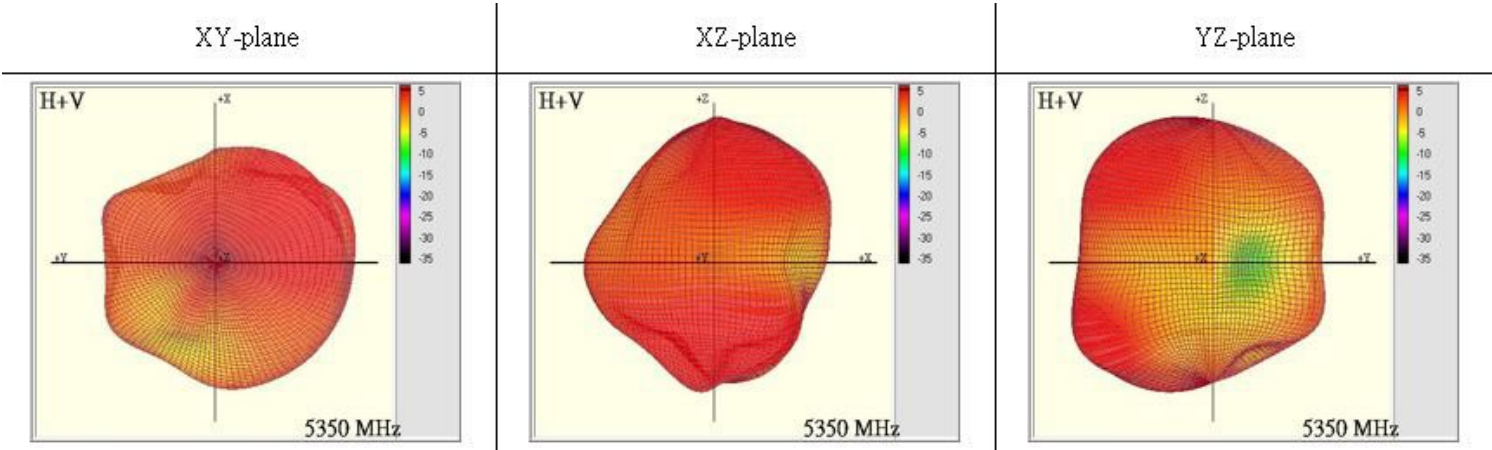


YZ-plane



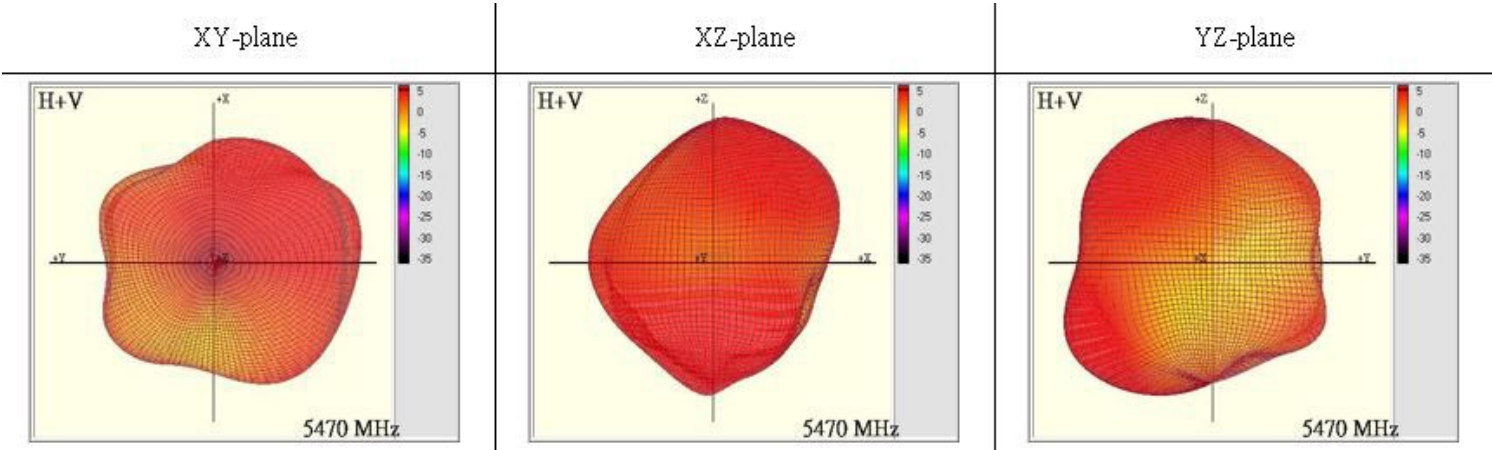
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	3.36



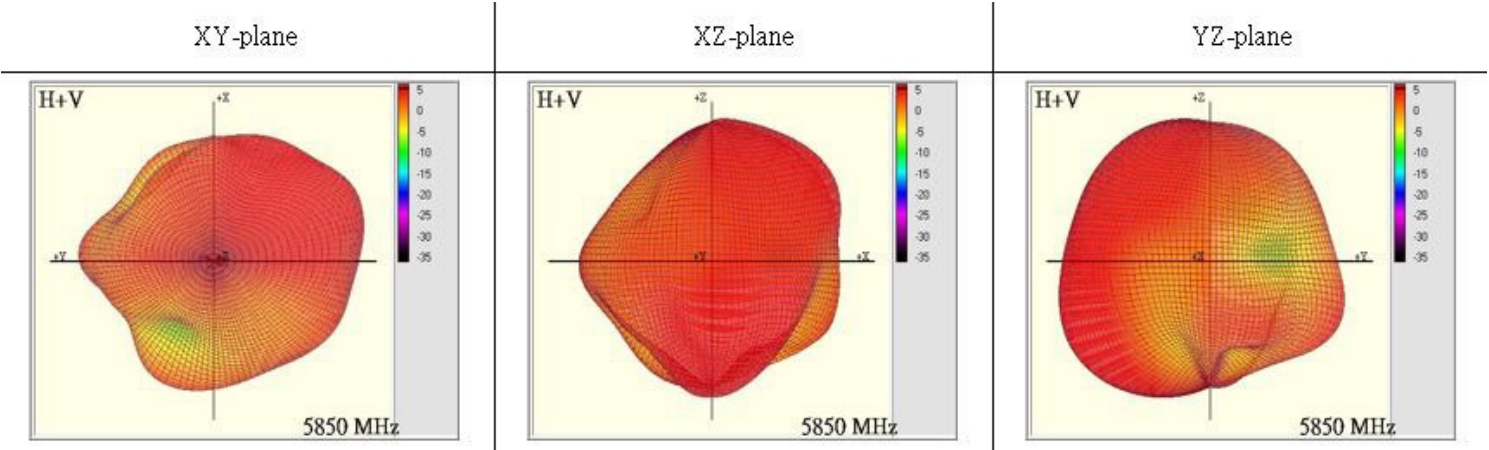
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	4.34



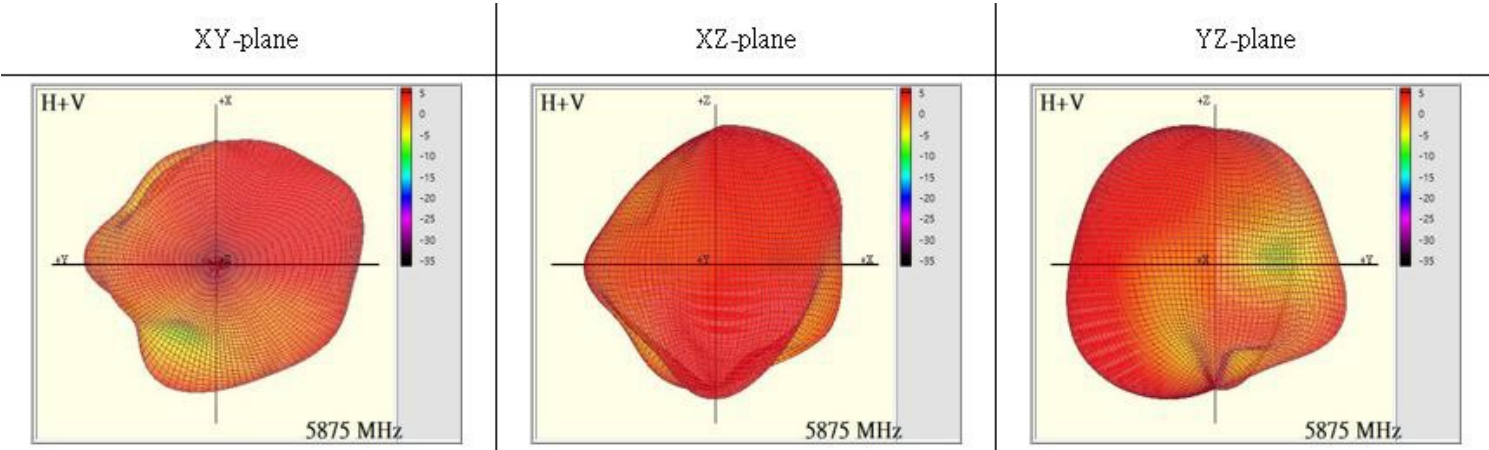
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.36



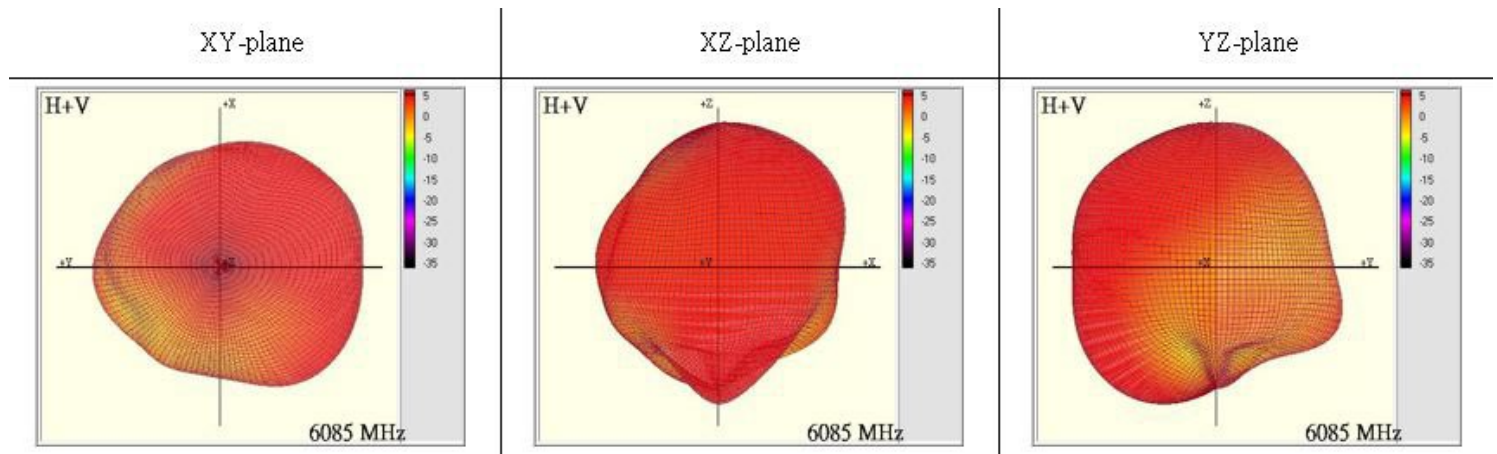
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	3.51



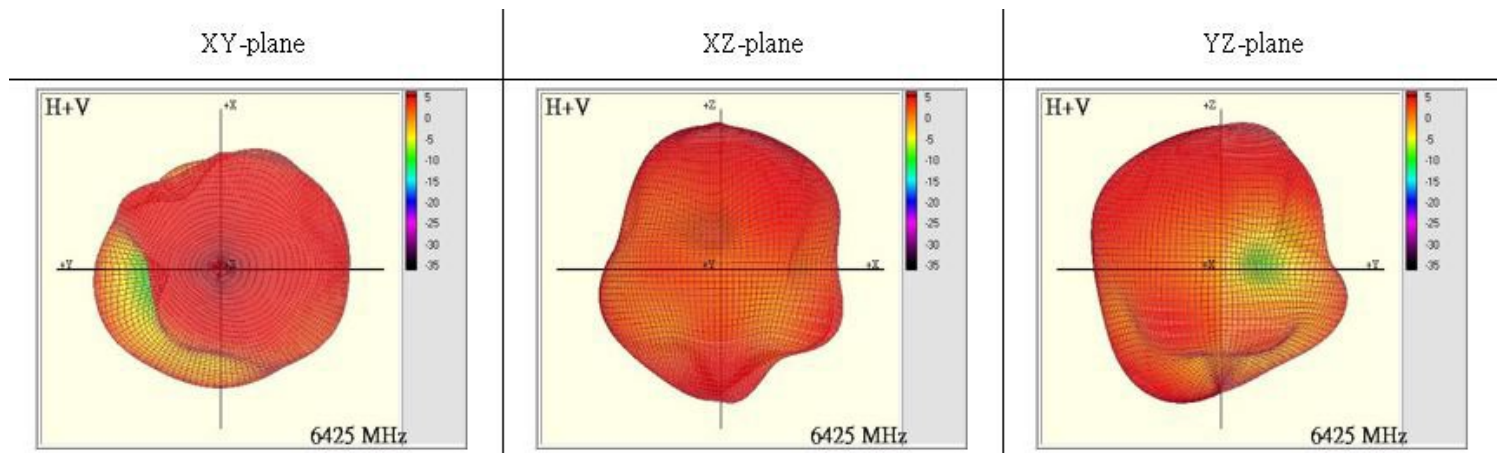
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.38



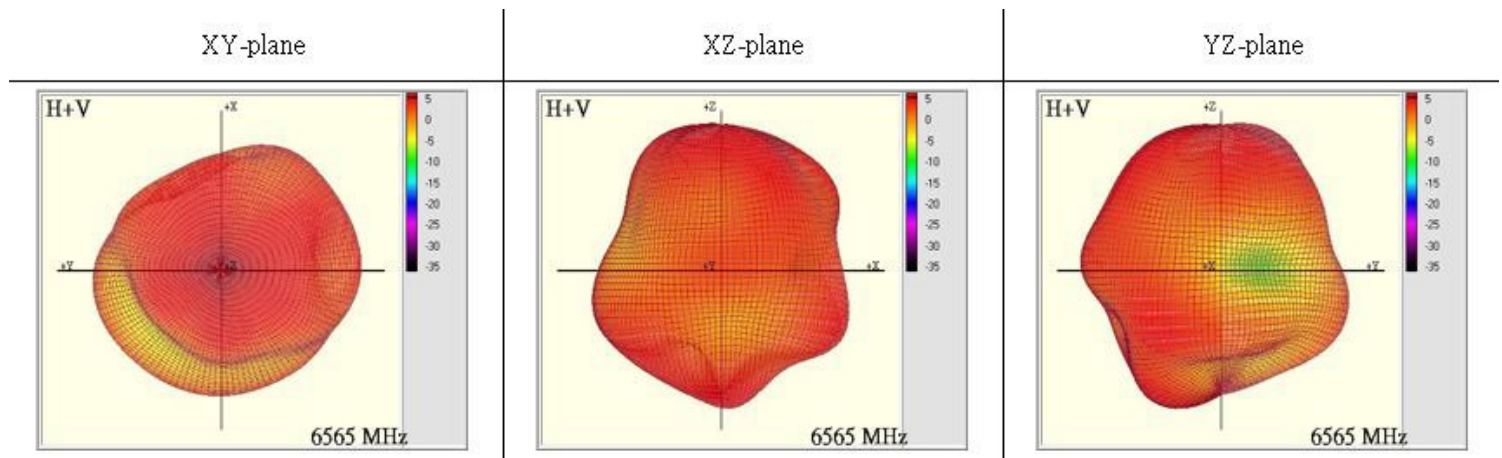
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.65



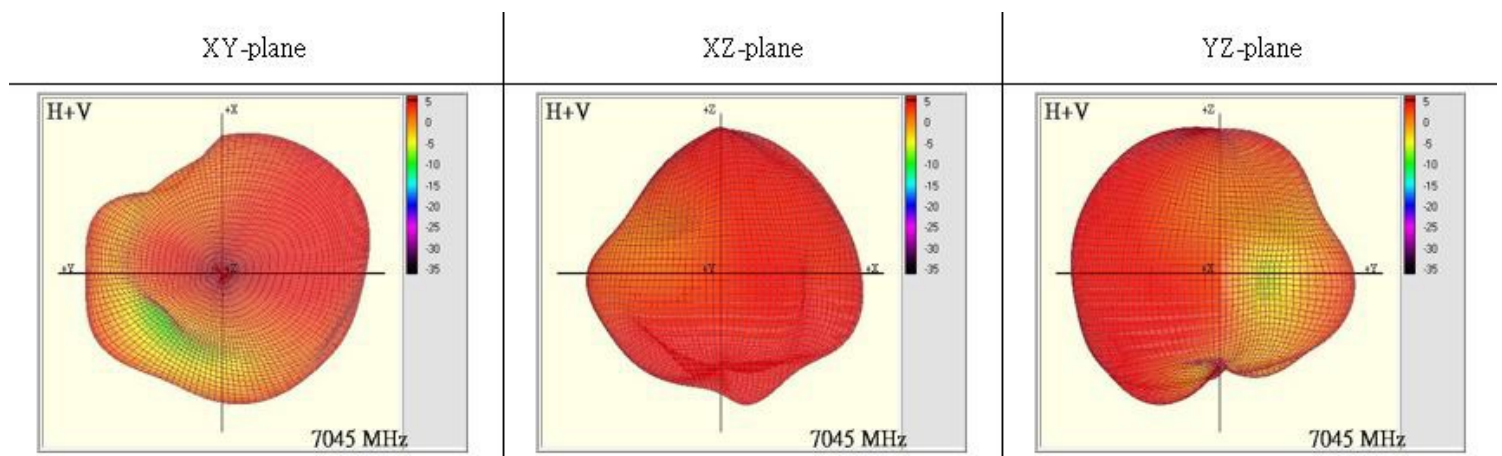
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.28



Max Antenna 3D Radiation Pattern 6875-7125 MHz

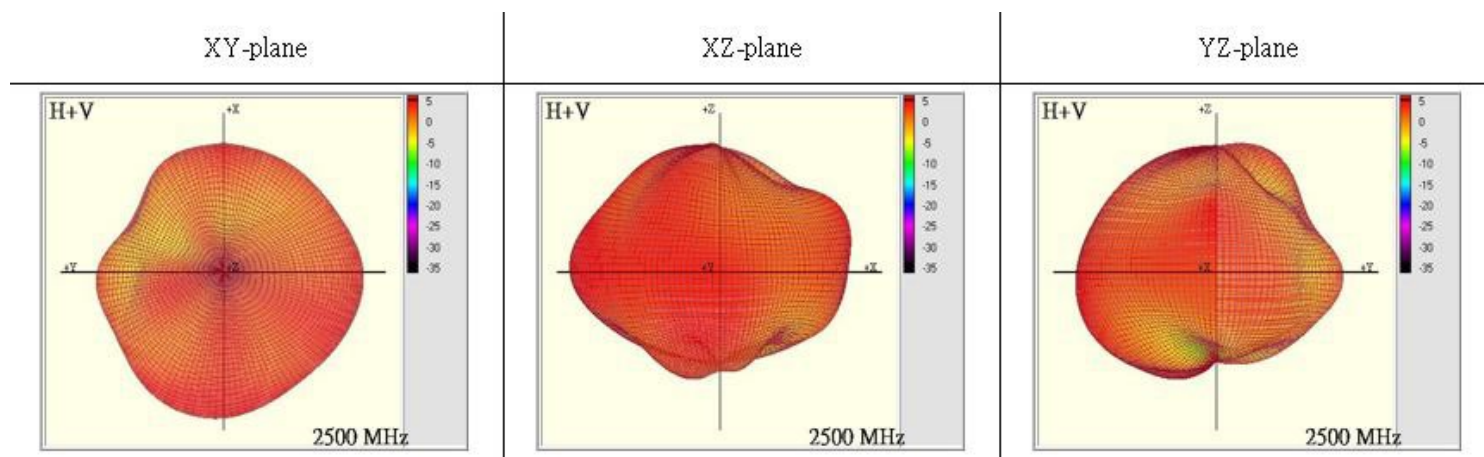
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.09



Auxiliary Antenna

Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

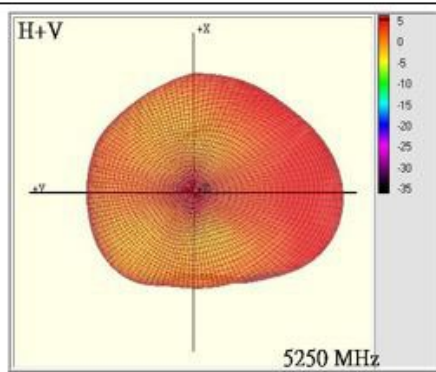
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.65



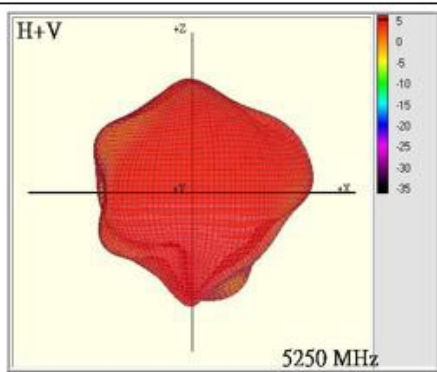
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	3.27

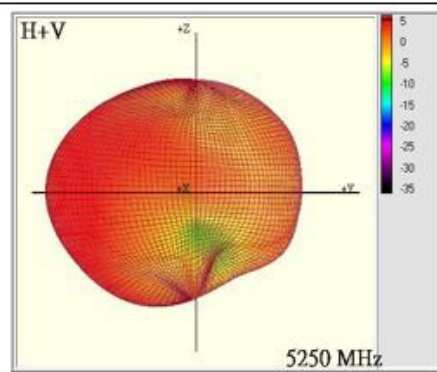
XY-plane



XZ-plane

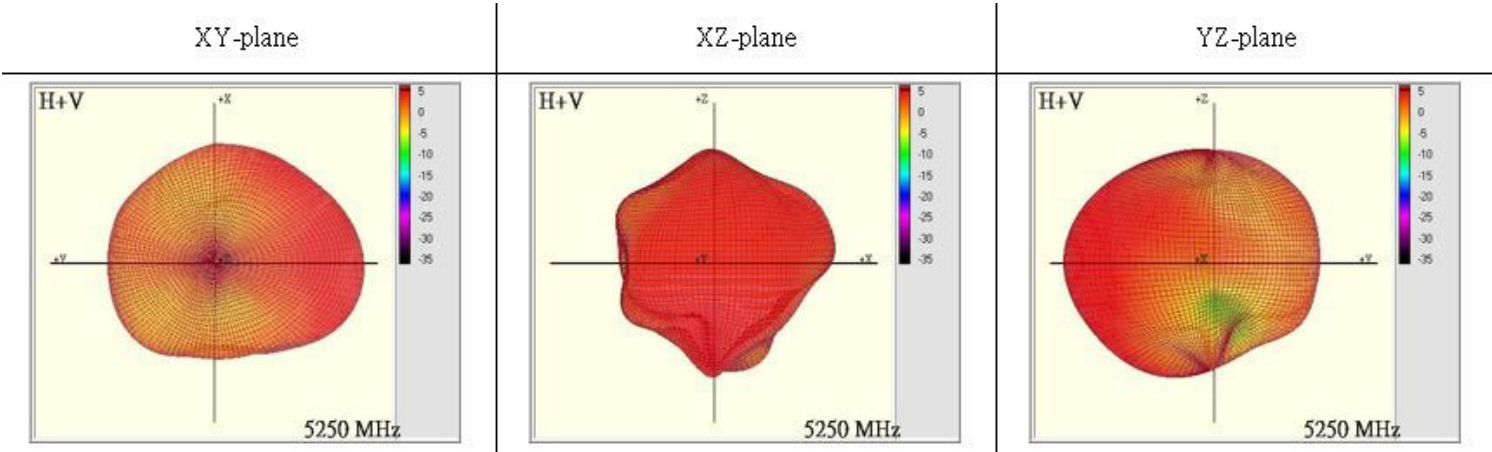


YZ-plane



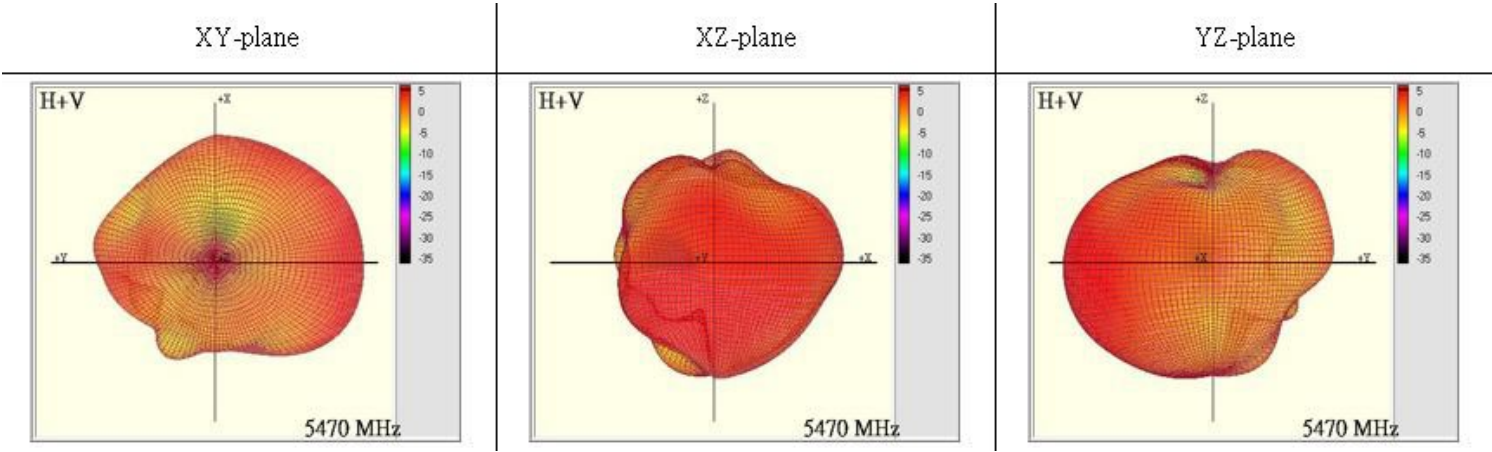
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	3.27



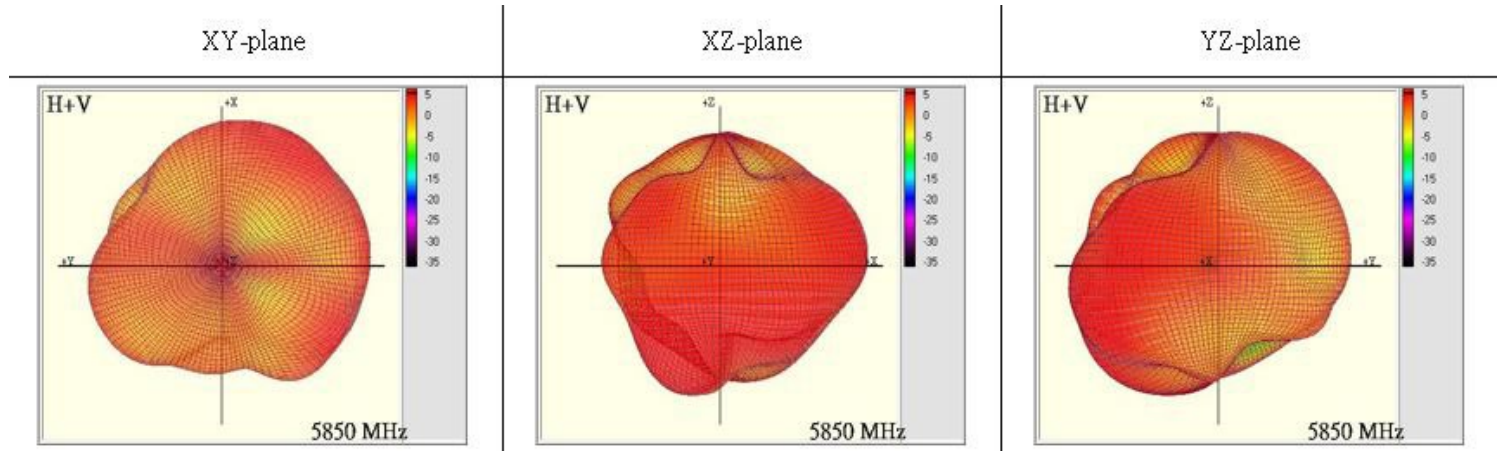
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.38



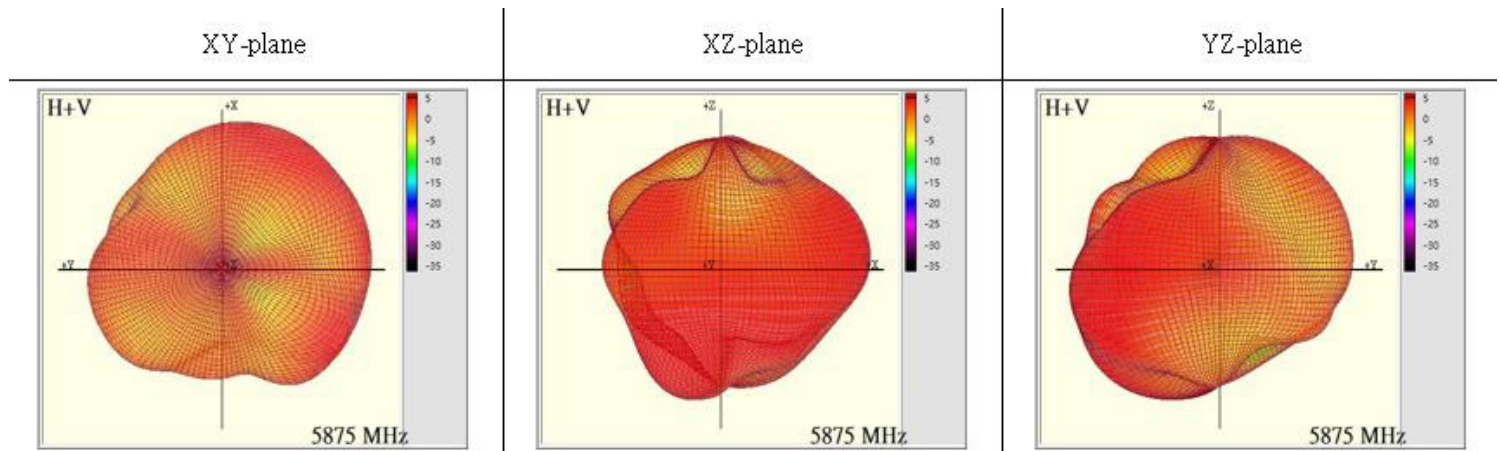
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.44



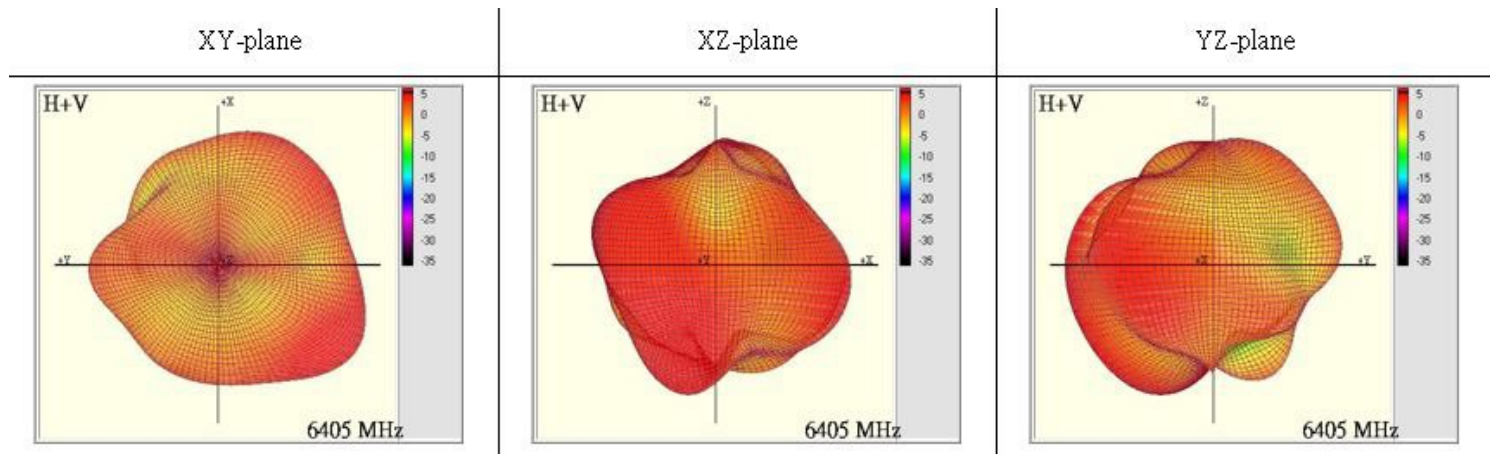
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.45



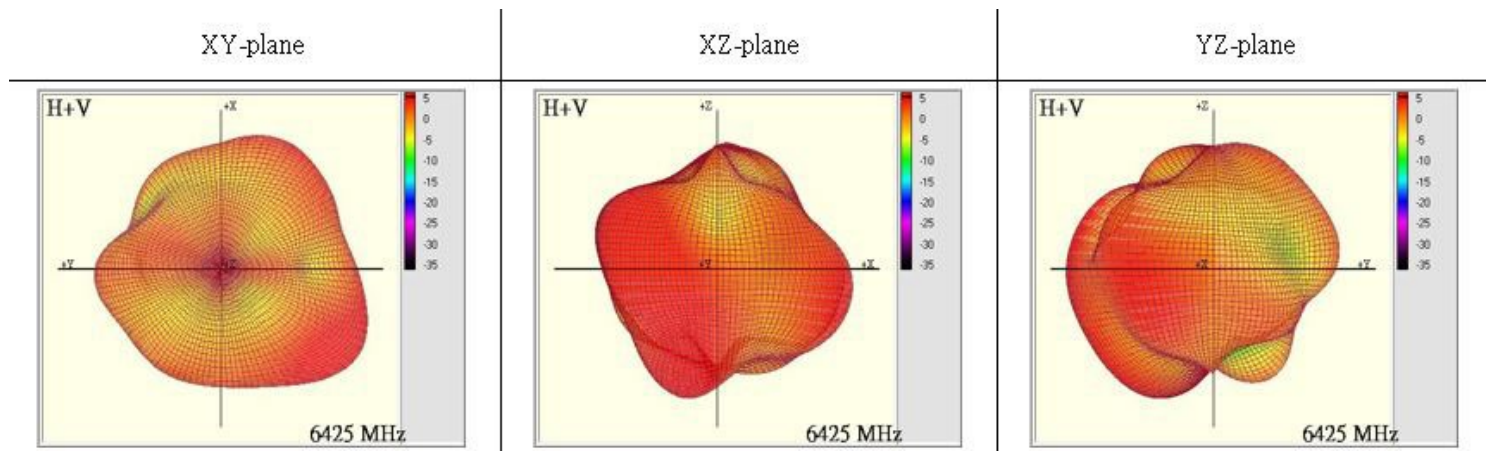
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	4.11



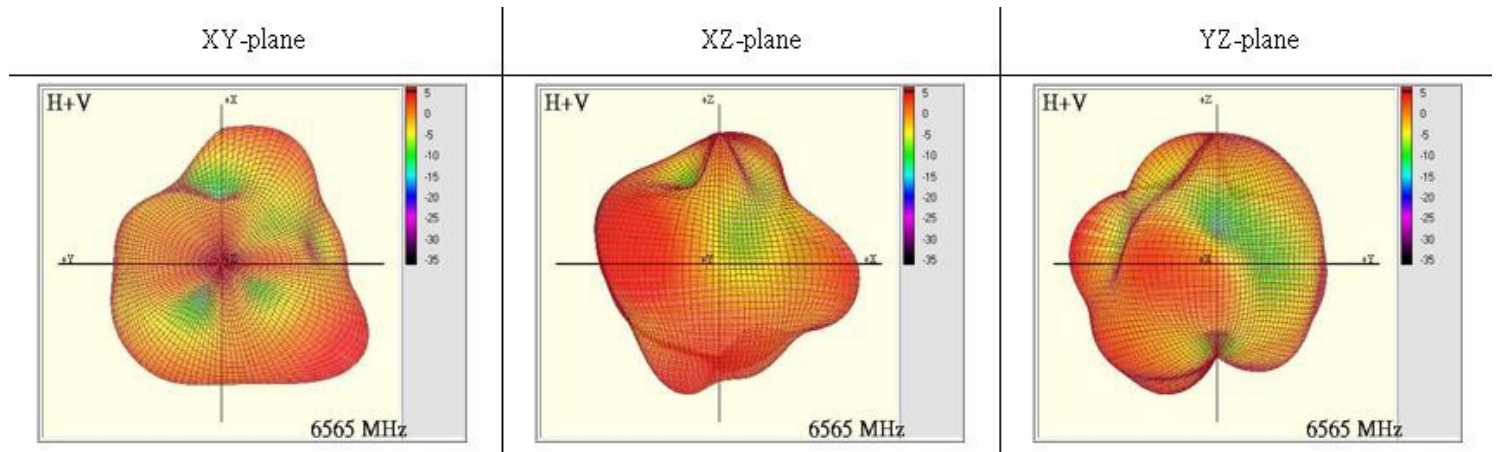
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	4.07



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.02



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	0.88

