



Aristotle

Antenna Solution Provider

Date: 2025.04.25
Reporter: TINA

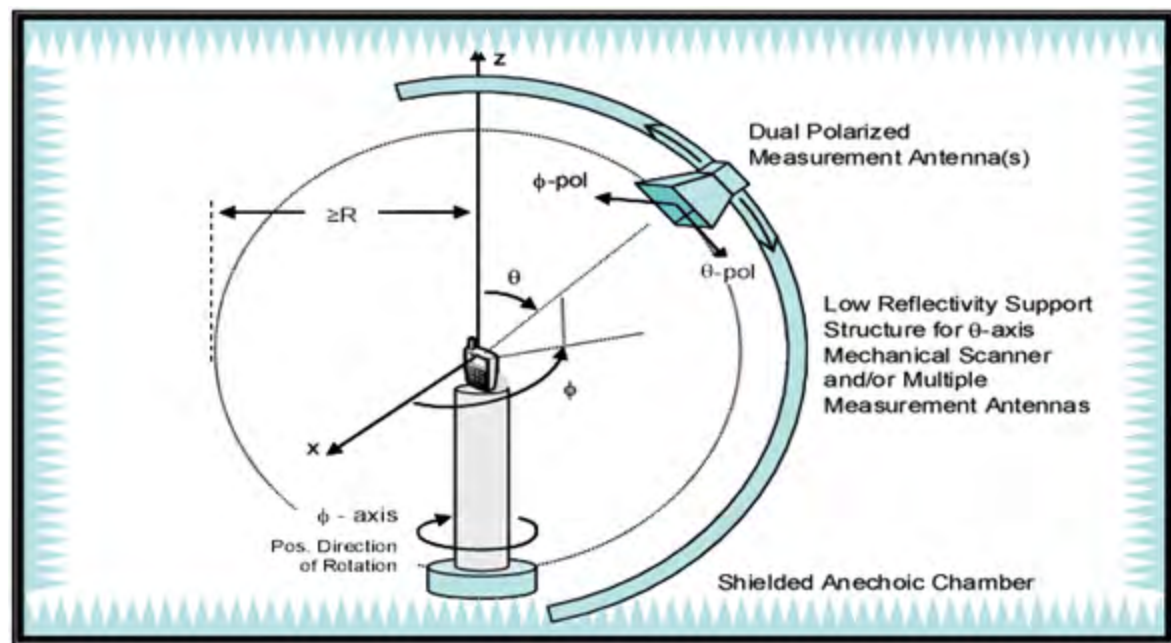
RFA-13103-R3 Antenna Test Report

ARISTOTLE ENTERPRISES INC.

5F., No. 27, Xinmin St., Zhonghe Dist., New Taipei City 235 , Taiwan

天線量測實驗室規格

Equipment Description	Manufacturer	Identification no.	Current calibration date	Next calibration date
Network Analyzer	Rohde&Schwarz	ZNB8 S/N:106319	2023/11/15	2025/11/01
Sleeve Dipole	MVG	SD740		
Dual Ridge Horn	MVG	SH600-25		
Wideband Dipole	MVG	WD6000-20		
StarLab probe array	MVG	StarLab	2025/01/24	2026/01/24



P1-2.4G/5G/6G Gain Table

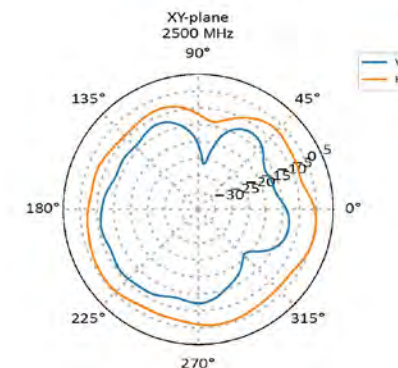
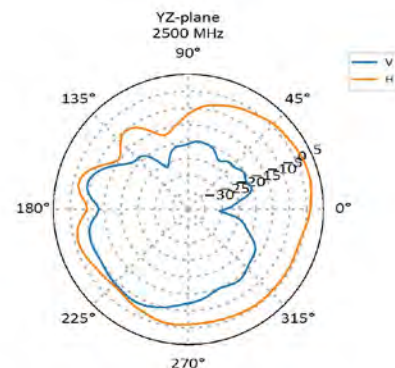
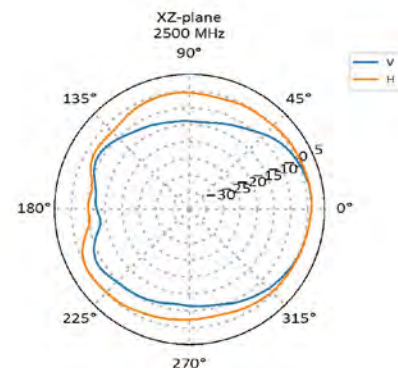
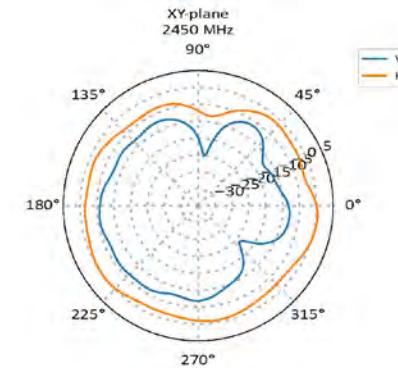
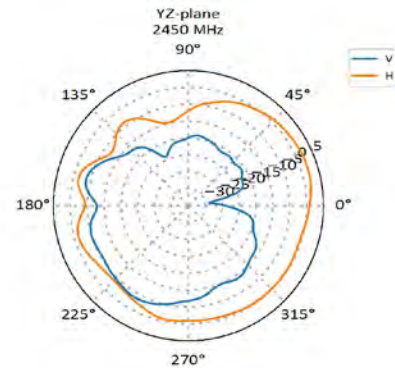
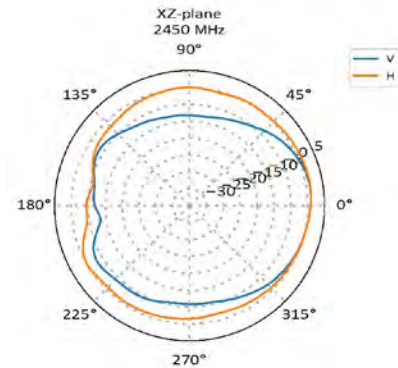
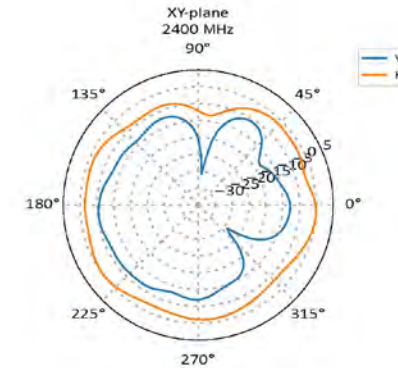
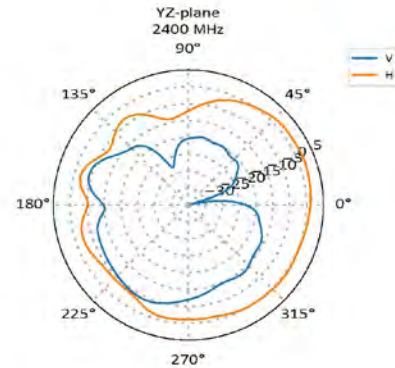
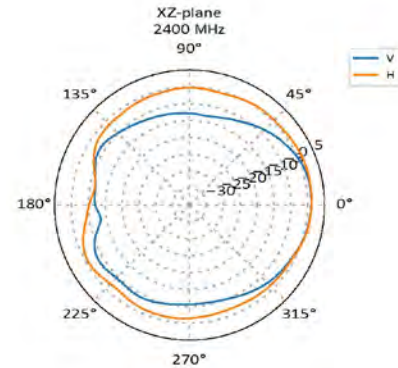
13103-27-P1													
Frequency (MHz)	E-phi Avg. Gain (dBi)			E-phi Peak Gain (dBi)			E-theta Avg. Gain (dBi)			E-theta Peak Gain (dBi)			Peak gain (dBi)
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	
2400.00	-4.30	-11.86	-4.30	1.12	-4.12	1.12	-2.27	-2.11	-1.21	0.03	1.79	1.34	
2450.00	-4.33	-11.40	-4.33	1.12	-3.52	1.12	-2.10	-2.14	-1.05	0.47	2.07	1.25	2.163173
2483.50	-4.57	-11.67	-4.57	1.20	-3.42	1.20	-2.45	-2.49	-1.18	0.25	2.16	1.26	
5150.00	-6.12	-12.62	-6.12	2.28	-7.52	2.28	-2.34	-3.39	-2.14	3.67	2.47	2.61	
5200.00	-6.35	-11.79	-6.35	1.84	-7.00	1.84	-2.44	-3.57	-2.33	4.07	1.77	2.16	4.49291
5250.00	-6.78	-11.35	-6.78	1.03	-6.63	1.03	-2.60	-3.80	-2.38	4.49	1.92	1.51	
5300.00	-7.30	-11.41	-7.30	0.11	-6.15	0.11	-2.80	-4.01	-2.74	3.95	1.26	1.03	3.94728
5350.00	-7.28	-11.32	-7.28	0.40	-6.16	0.40	-3.10	-4.23	-2.65	3.61	1.19	1.43	
5470.00	-7.46	-10.07	-7.46	0.83	-3.16	0.83	-3.46	-4.16	-2.52	3.56	1.12	2.29	4.695129
5600.00	-7.86	-9.69	-7.86	-0.17	-2.27	-0.17	-3.44	-4.57	-2.38	4.70	0.93	3.15	
5725.00	-7.52	-10.69	-7.52	-0.32	-2.55	-0.32	-3.12	-5.37	-2.12	4.86	0.75	3.71	4.864368
5800.00	-7.86	-11.55	-7.86	-0.62	-2.86	-0.62	-3.48	-5.61	-2.47	4.06	0.73	3.34	
5850.00	-8.00	-11.44	-8.00	-0.54	-2.92	-0.54	-3.60	-5.35	-2.57	3.85	0.80	3.39	
5895.00	-8.45	-11.26	-8.45	-0.90	-3.13	-0.90	-3.67	-5.37	-2.74	3.83	1.03	3.17	
5900.00	-8.52	-11.25	-8.52	-0.89	-3.17	-0.89	-3.76	-5.40	-2.78	3.69	0.98	3.22	
5925.00	-9.37	-11.51	-9.37	-1.76	-3.85	-1.76	-4.24	-5.92	-3.50	3.96	0.44	2.48	4.384437
6200.00	-9.24	-9.39	-9.24	-1.63	-2.96	-1.63	-4.02	-5.50	-3.06	4.38	0.53	3.32	
6425.00	-8.97	-10.18	-8.97	-3.71	-2.42	-3.71	-4.37	-5.47	-4.59	3.67	2.05	2.18	
6500.00	-10.15	-9.92	-10.15	-3.82	-1.89	-3.82	-4.21	-5.37	-5.41	3.73	2.62	1.42	3.733008
6525.00	-10.17	-9.57	-10.17	-3.79	-1.69	-3.79	-4.11	-5.25	-5.20	3.55	2.61	1.64	
6700.00	-11.47	-8.49	-11.47	-4.39	-1.24	-4.39	-4.22	-5.29	-5.15	3.55	2.55	2.44	3.545851
6875.00	-12.52	-8.76	-12.52	-3.31	-1.22	-3.31	-4.27	-5.69	-5.18	3.31	2.73	2.09	
7000.00	-12.97	-8.44	-12.97	-3.22	-0.62	-3.22	-4.12	-5.27	-5.32	2.84	3.06	1.89	3.055706
7125.00	-14.26	-8.92	-14.26	-2.83	-1.22	-2.83	-5.90	-5.52	-6.00	2.07	2.89	0.76	

P2-2.4G/5G/6G Gain Table

13103-27-P2													
Frequency (MHz)	E-phi Avg. Gain (dBi)			E-phi Peak Gain (dBi)			E-theta Avg. Gain (dBi)			E-theta Peak Gain (dBi)			Peak gain (dBi)
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	
2400.00	-6.09	-8.94	-6.09	-0.05	-1.47	-0.05	-1.69	-2.22	-1.62	0.90	2.37	2.61	
2450.00	-6.35	-8.69	-6.35	-0.29	-0.81	-0.29	-1.65	-2.17	-1.66	0.32	2.73	3.04	3.041951
2483.50	-6.59	-8.93	-6.59	-0.34	-0.36	-0.34	-2.05	-2.34	-2.00	-0.50	2.91	2.98	
5150.00	-14.21	-3.92	-14.21	-5.70	1.41	-5.70	-3.38	-1.31	-4.19	1.57	2.54	1.49	
5200.00	-14.94	-4.52	-14.94	-4.84	0.74	-4.84	-3.44	-1.84	-4.74	1.57	2.11	1.06	2.536596
5250.00	-15.00	-4.90	-15.00	-4.81	0.64	-4.81	-3.56	-2.16	-5.28	1.83	2.20	0.56	
5300.00	-13.87	-5.02	-13.87	-5.11	-0.16	-5.11	-3.56	-2.11	-5.70	2.26	2.93	0.25	2.929424
5350.00	-12.87	-5.03	-12.87	-5.19	-0.24	-5.19	-3.54	-1.92	-5.47	2.17	2.92	-0.04	
5470.00	-11.98	-5.02	-11.98	-4.78	0.27	-4.78	-3.50	-1.61	-4.74	1.76	1.98	0.17	2.183749
5600.00	-10.06	-5.95	-10.06	-2.29	0.01	-2.29	-3.70	-2.06	-4.53	1.25	2.18	0.40	
5725.00	-12.20	-6.12	-12.20	-1.58	0.81	-1.58	-3.33	-2.15	-4.58	2.95	3.07	0.93	3.330918
5800.00	-11.22	-6.06	-11.22	-1.34	0.21	-1.34	-3.32	-1.83	-4.30	2.70	2.85	1.65	
5850.00	-10.59	-5.81	-10.59	-1.06	-0.01	-1.06	-3.32	-1.43	-3.74	2.71	3.33	2.36	
5895.00	-10.69	-6.08	-10.69	-1.65	-0.63	-1.65	-3.46	-1.57	-3.96	2.81	3.68	2.08	
5900.00	-10.74	-6.14	-10.74	-1.62	-0.59	-1.62	-3.62	-1.61	-3.98	2.69	3.73	2.13	
5925.00	-11.60	-6.93	-11.60	-2.66	-1.58	-2.66	-4.27	-2.28	-4.92	2.15	3.13	1.28	3.872025
6200.00	-11.69	-7.94	-11.69	-2.59	-2.64	-2.59	-3.85	-2.58	-7.23	1.13	3.87	2.51	
6425.00	-11.84	-8.47	-11.84	-0.72	-1.41	-0.72	-3.78	-3.49	-6.73	0.22	3.17	2.69	
6500.00	-11.68	-8.78	-11.68	-0.52	-0.86	-0.52	-3.46	-3.68	-6.49	0.58	3.36	2.92	3.363481
6525.00	-11.54	-8.77	-11.54	-0.34	-0.58	-0.34	-3.44	-3.66	-6.16	0.53	3.34	2.97	
6700.00	-11.29	-9.90	-11.29	-0.36	-0.73	-0.36	-3.35	-4.00	-5.94	0.20	2.77	3.30	4.012242
6875.00	-10.37	-10.72	-10.37	0.03	-1.50	0.03	-4.00	-4.75	-5.32	-0.49	3.31	4.01	
7000.00	-10.18	-10.52	-10.18	0.50	-1.68	0.50	-4.20	-4.41	-4.76	-0.10	3.41	4.51	4.507121
7125.00	-10.91	-10.48	-10.91	0.47	-2.17	0.47	-4.36	-4.37	-4.67	-0.09	2.94	4.23	

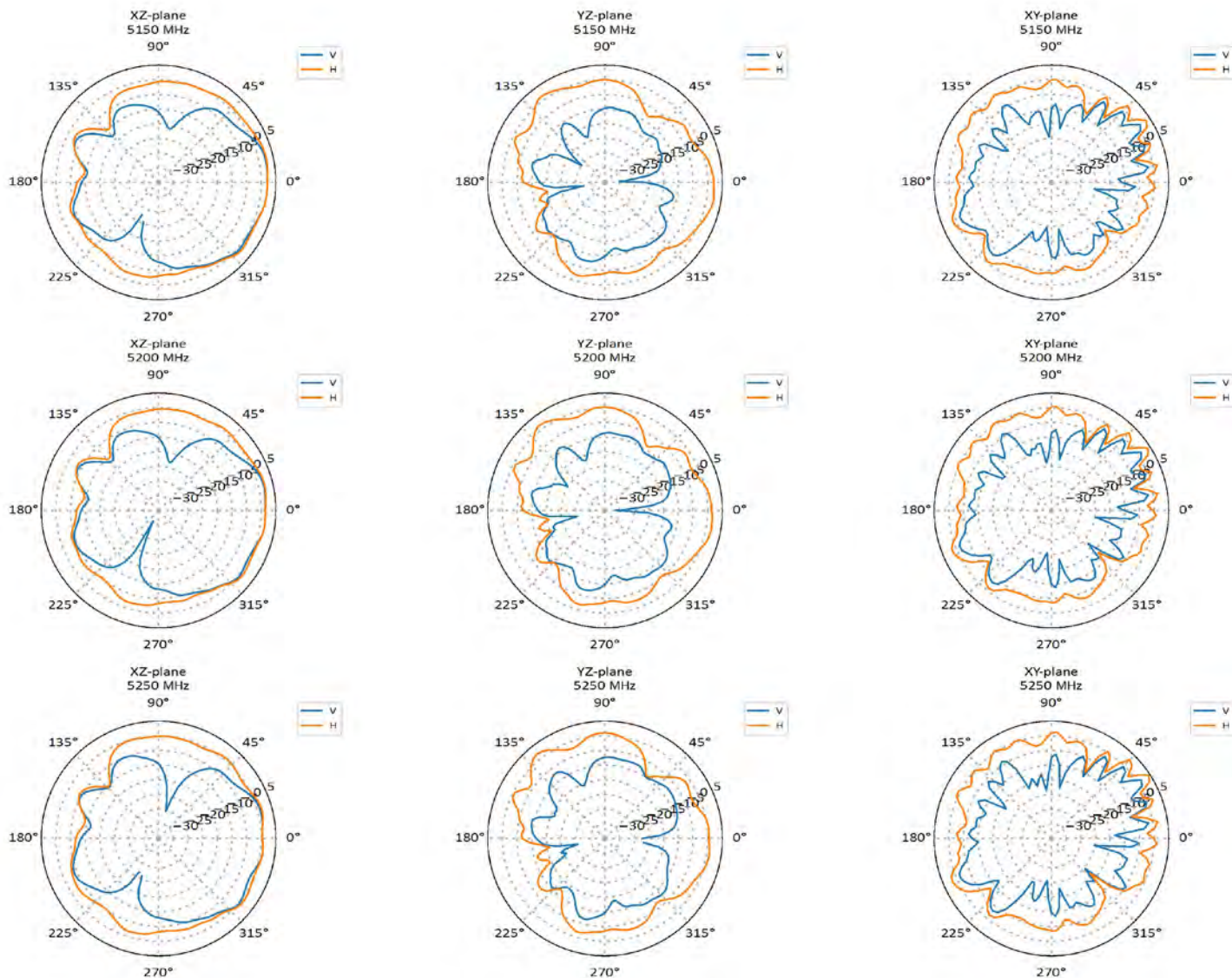
P1 V&H Pattern 2400MHz~2500MHz

Frequency: 2400, 2450, 2500 MHz



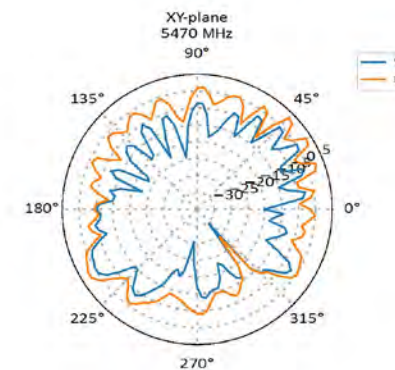
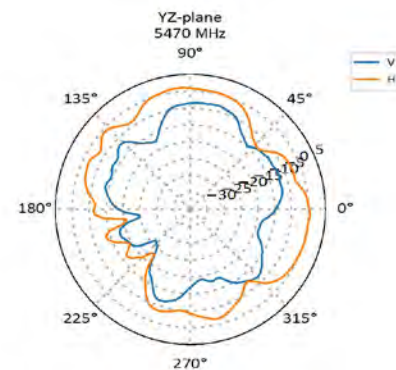
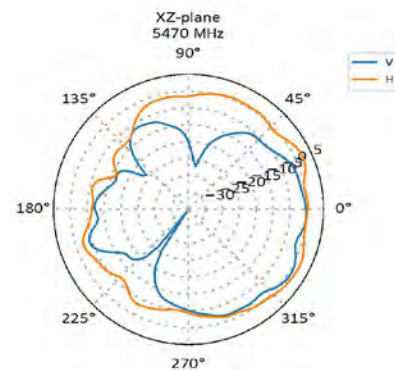
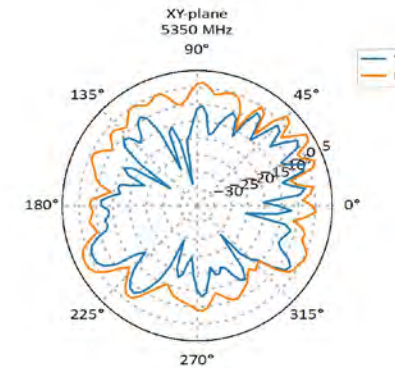
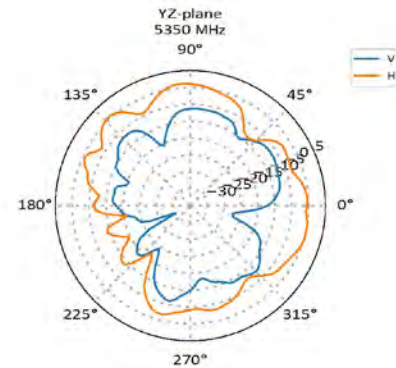
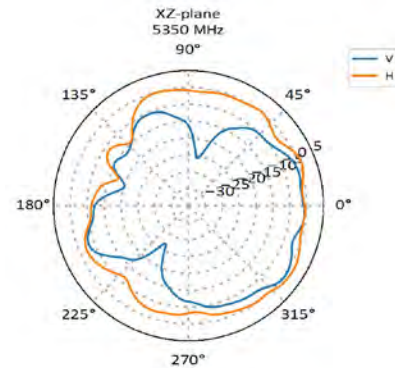
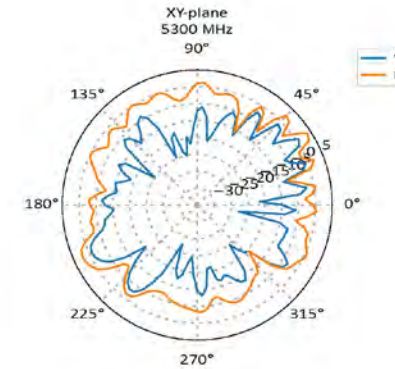
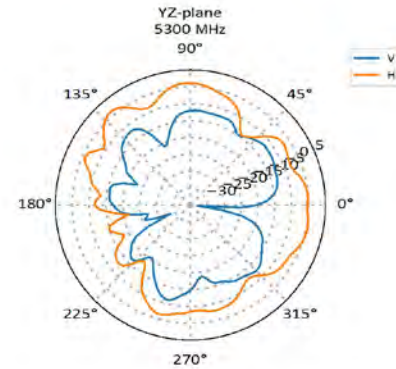
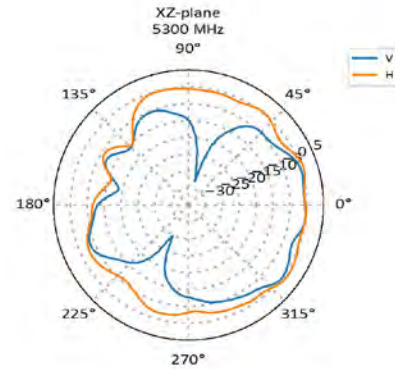
P1 V&H Pattern 5150MHz~5250MHz

Frequency: 5150, 5200, 5250 MHz



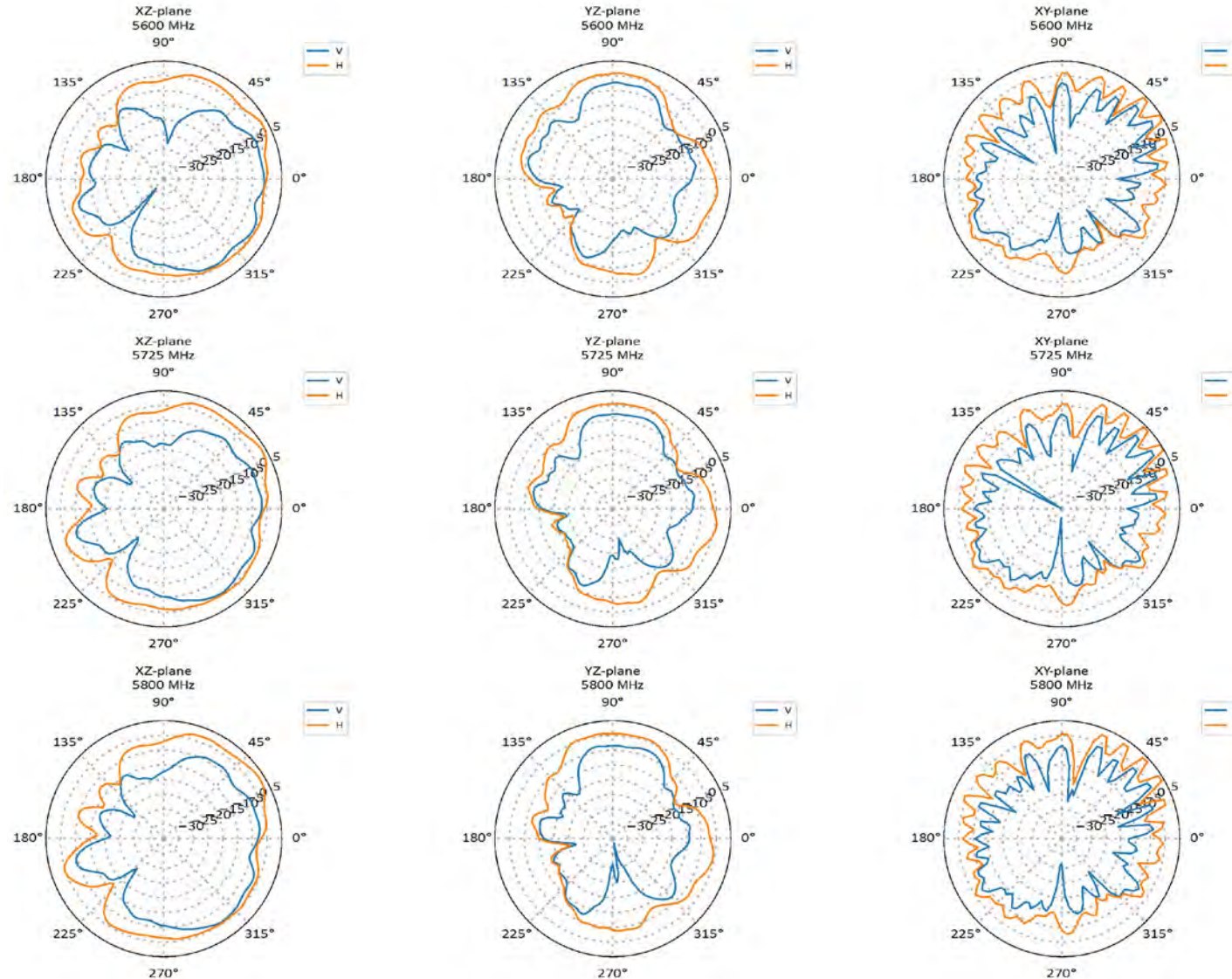
P1 V&H Pattern 5300MHz~5470MHz

Frequency: 5300, 5350, 5470 MHz



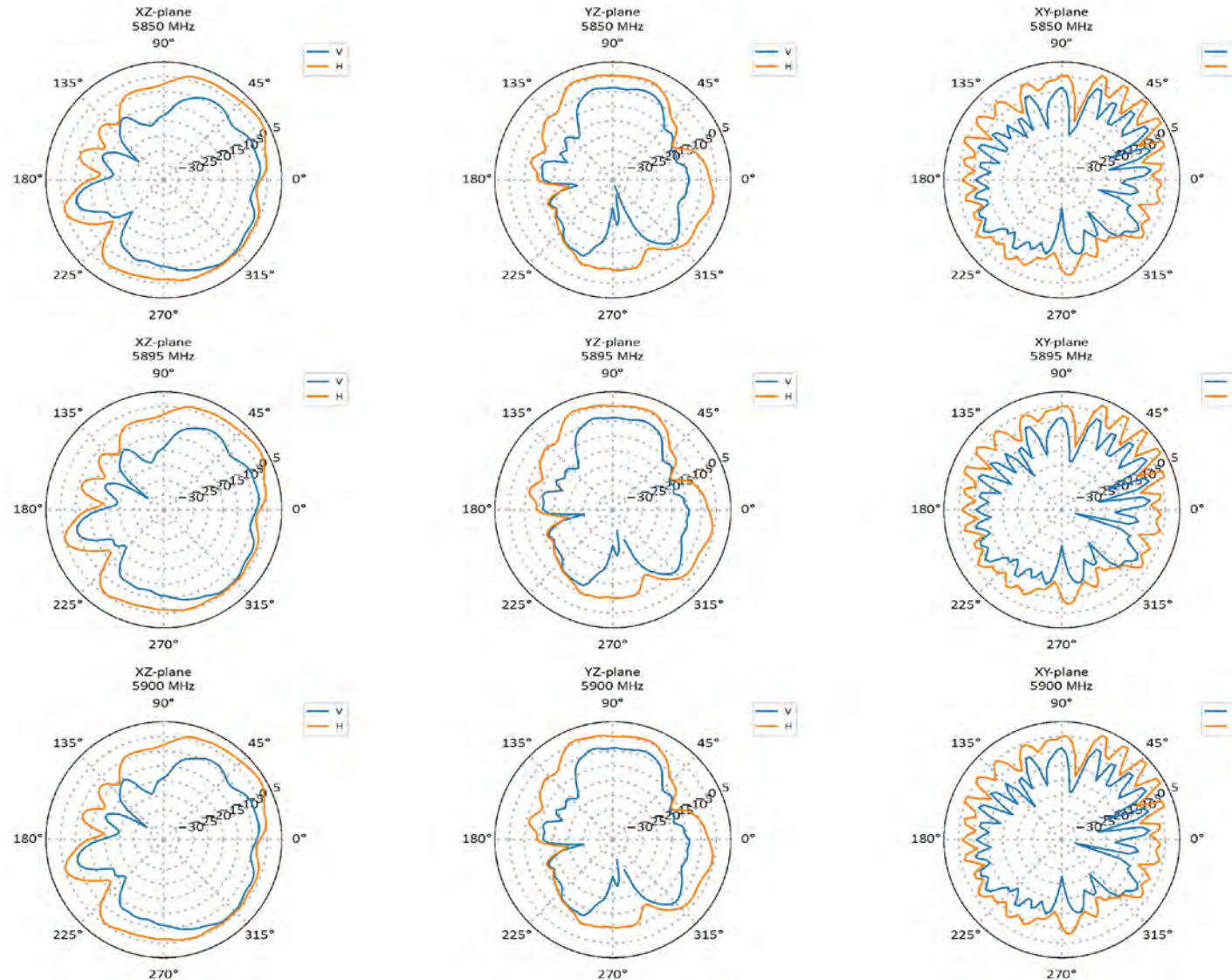
P1 V&H Pattern 5600MHz~5800MHz

Frequency: 5600, 5725, 5800 MHz



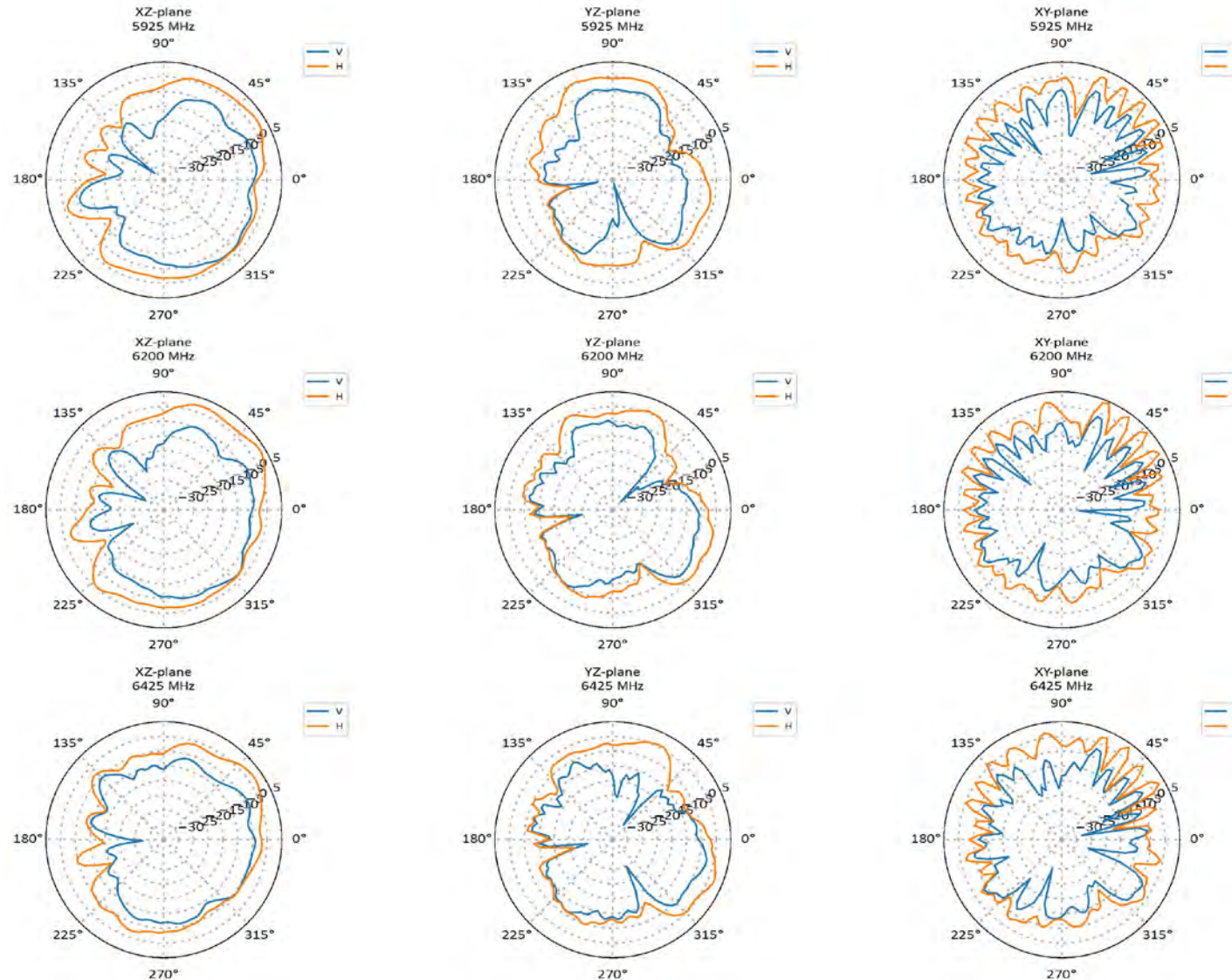
P1 V&H Pattern 5850MHz~5900MHz

Frequency: 5850, 5895, 5900 MHz



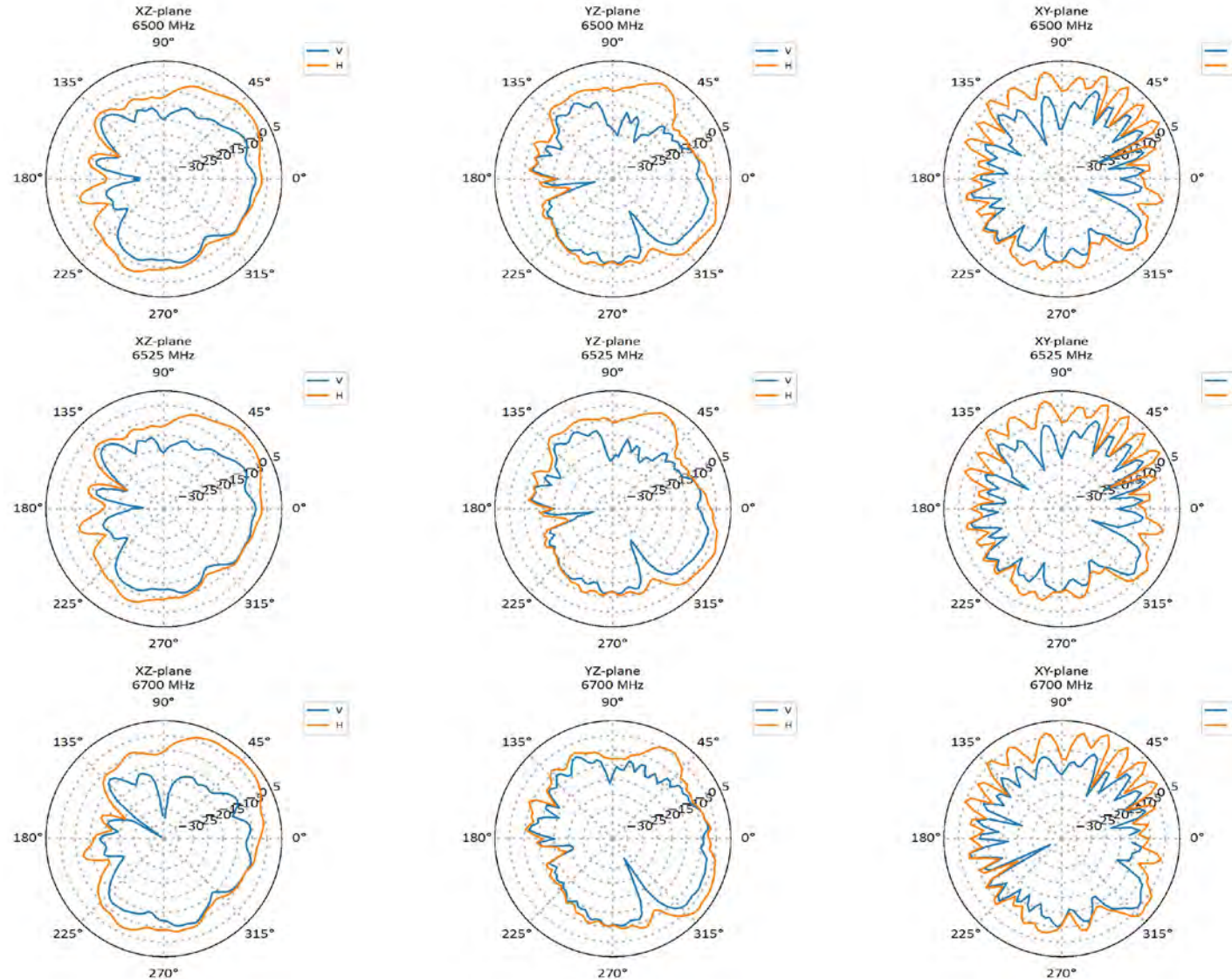
P1 V&H Pattern 5925MHz~6425MHz

Frequency: 5925, 6200, 6425 MHz



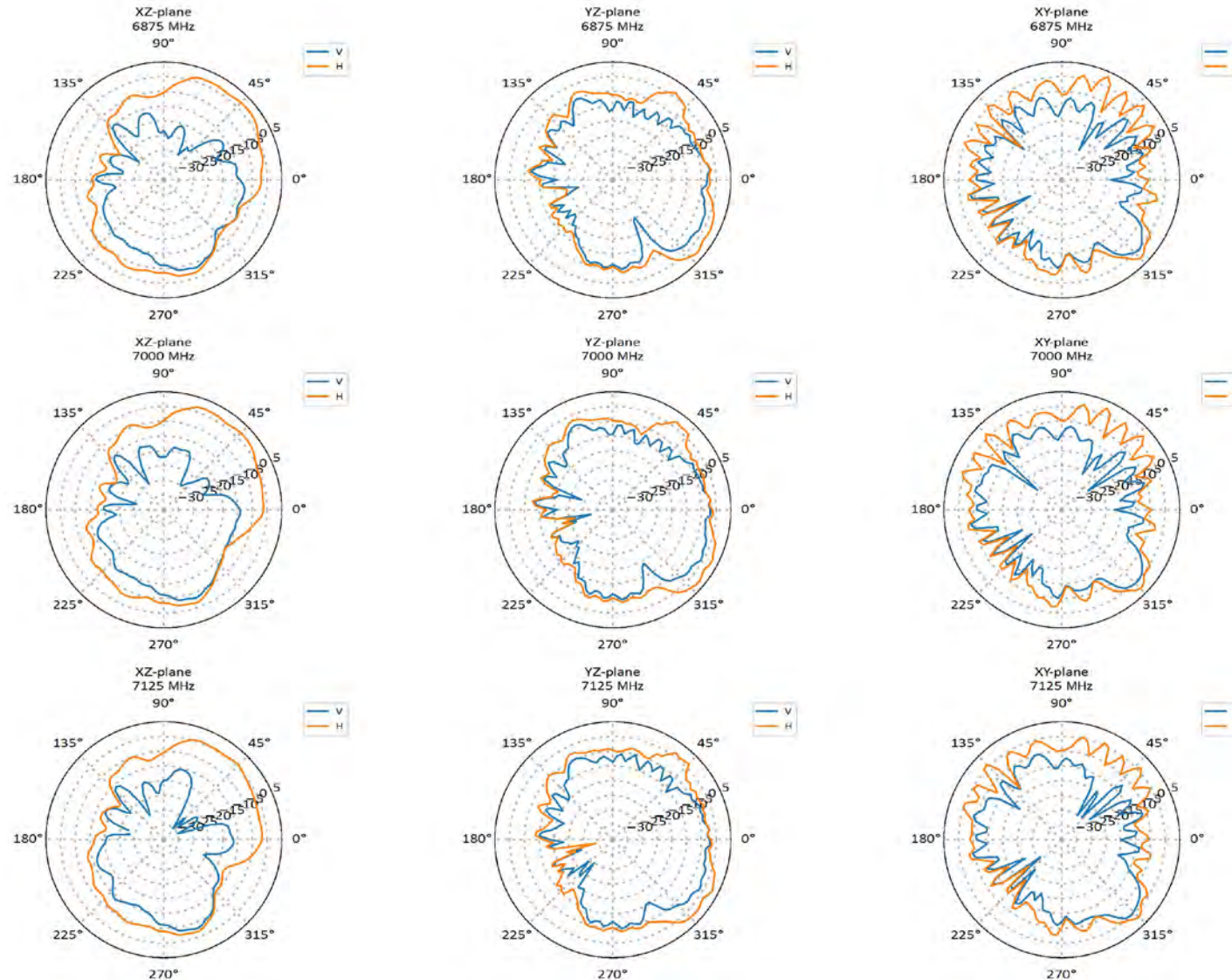
P1 V&H Pattern 6500MHz~6700MHz

Frequency: 6500, 6525, 6700 MHz



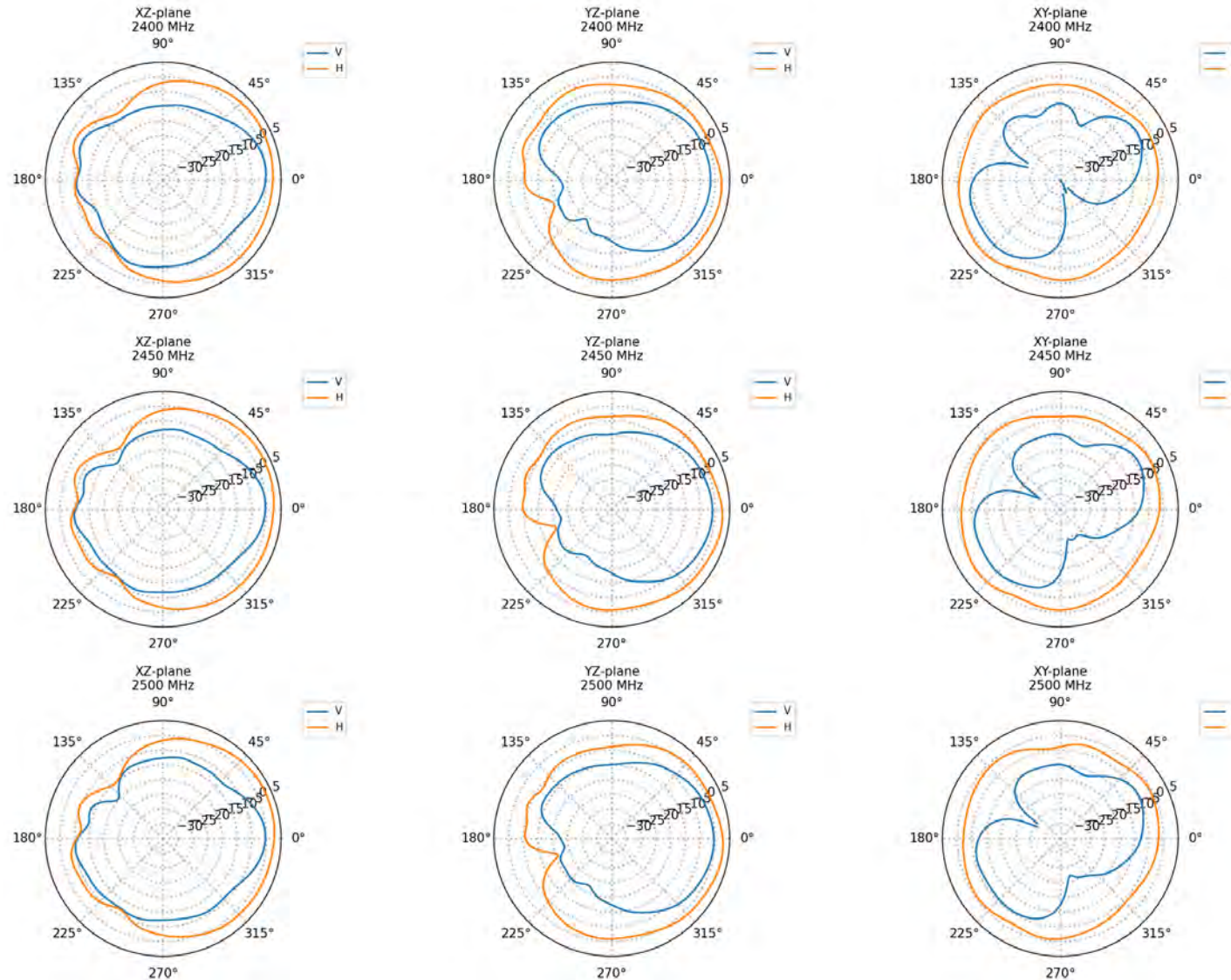
P1 V&H Pattern 6875MHz~7125MHz

Frequency: 6875, 7000, 7125 MHz



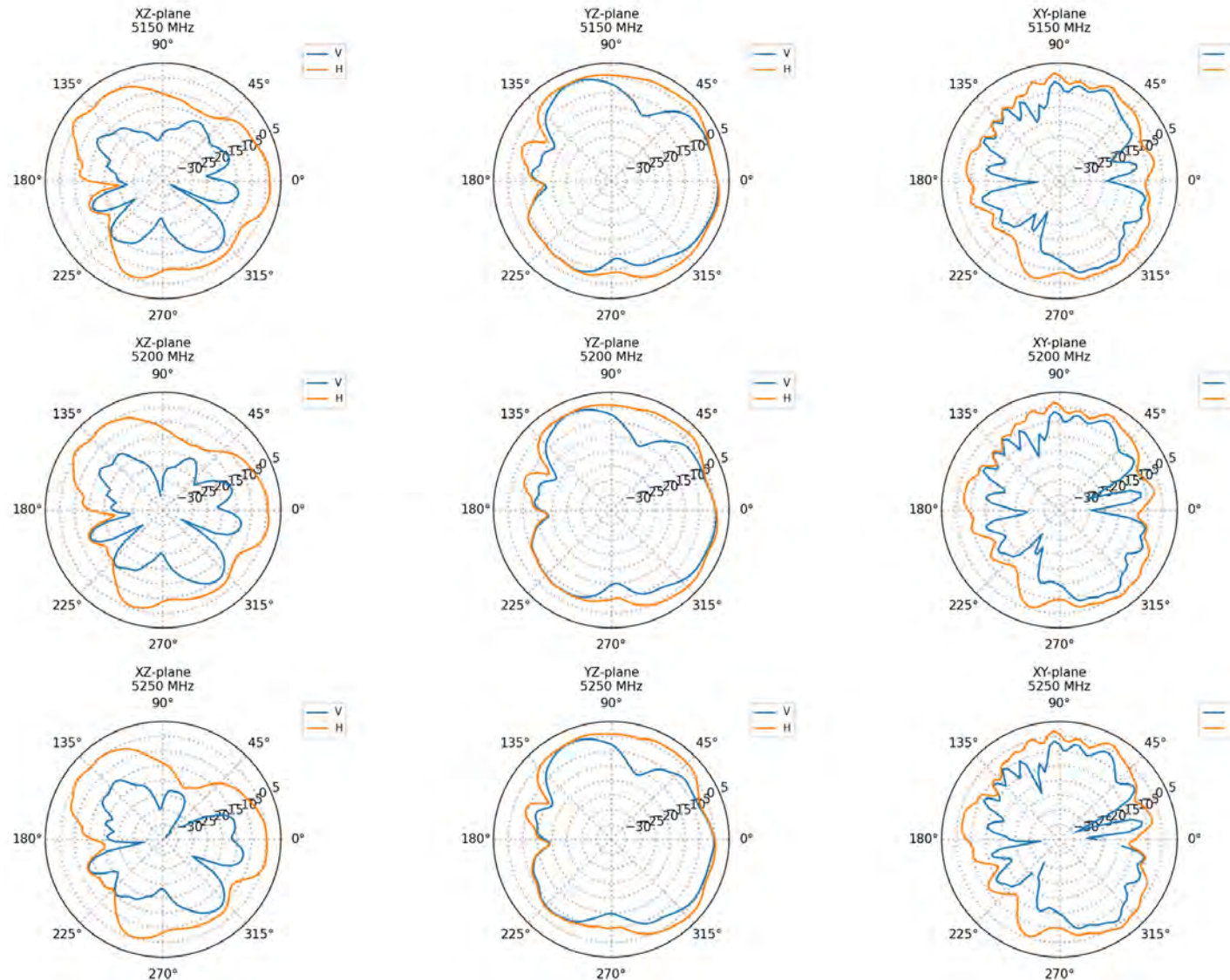
P2 V&H Pattern 2400MHz~2500MHz

Frequency: 2400, 2450, 2500 MHz



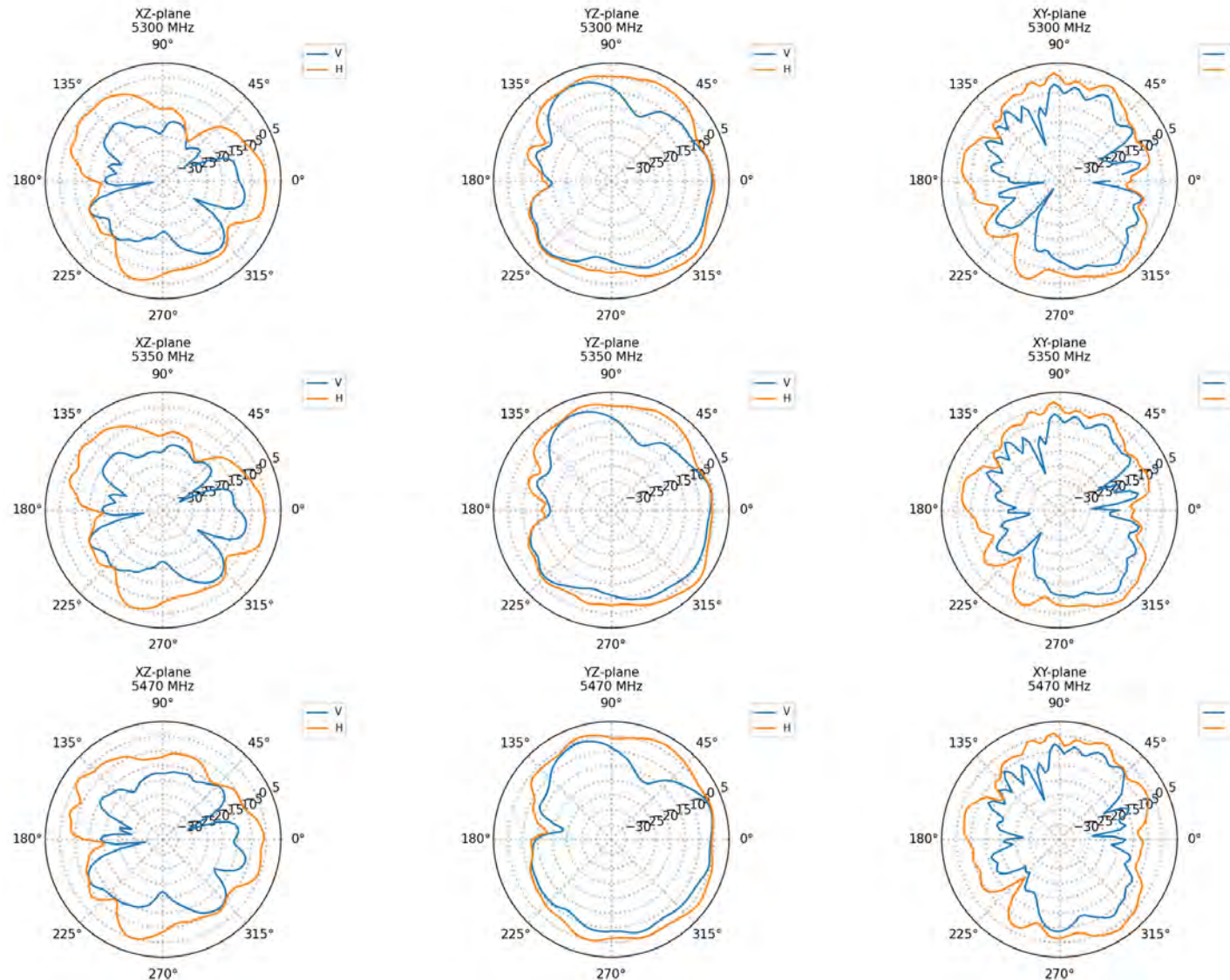
P2 V&H Pattern 5150MHz~5250MHz

Frequency: 5150, 5200, 5250 MHz



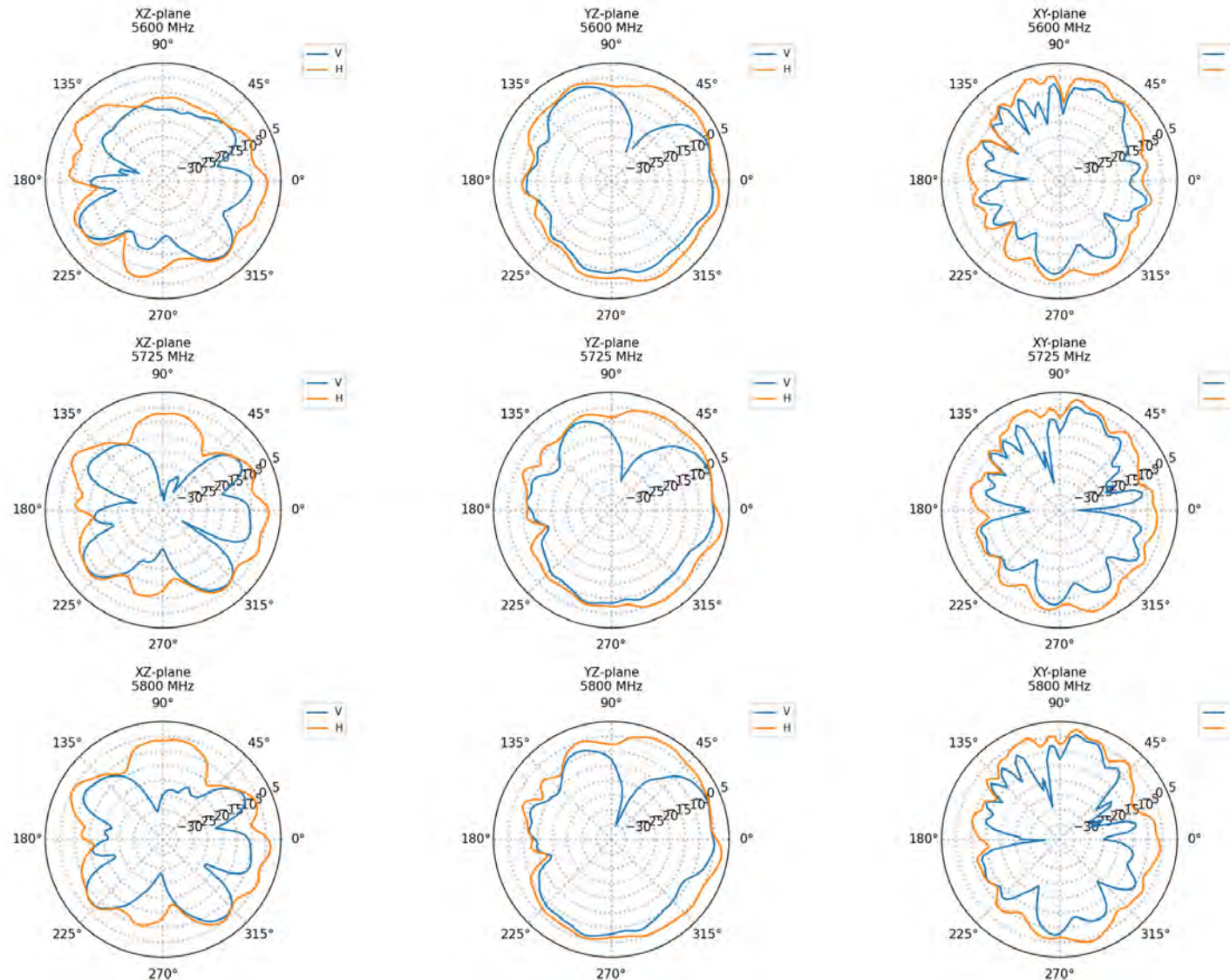
P2 V&H Pattern 5300MHz~5470MHz

Frequency: 5300, 5350, 5470 MHz



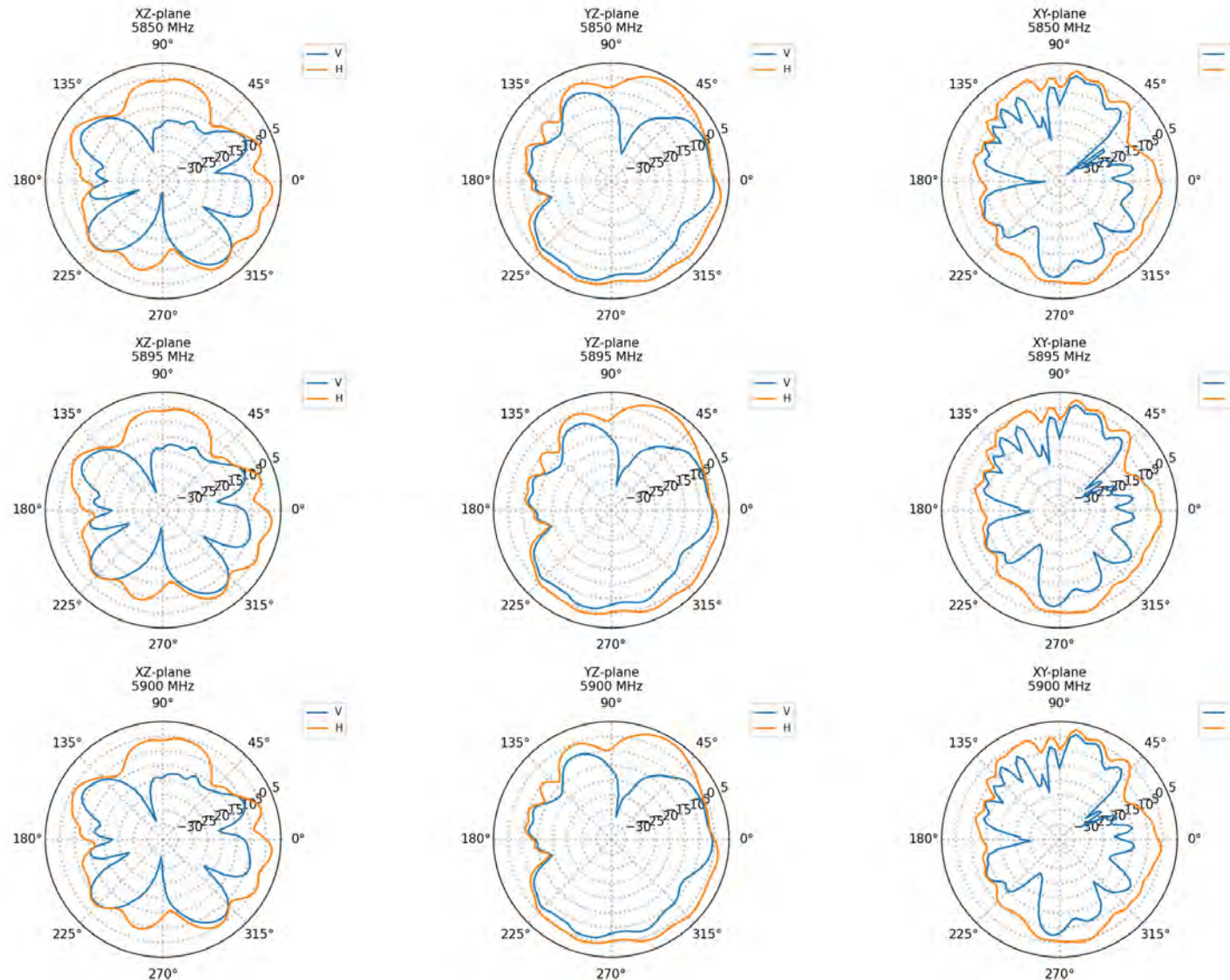
P2 V&H Pattern 5600MHz~5800MHz

Frequency: 5600, 5725, 5800 MHz



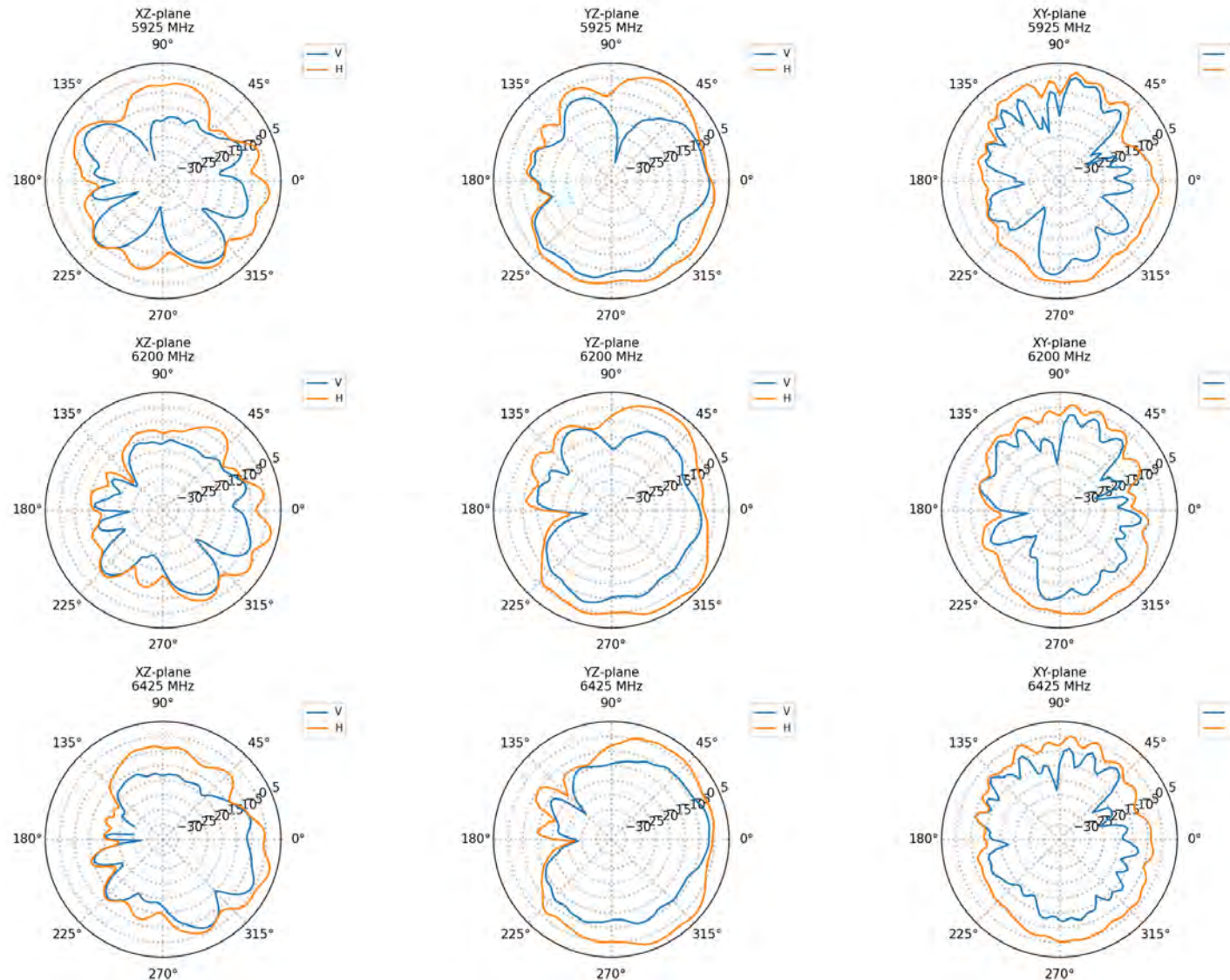
P2 V&H Pattern 5850MHz~5900MHz

Frequency: 5850, 5895, 5900 MHz



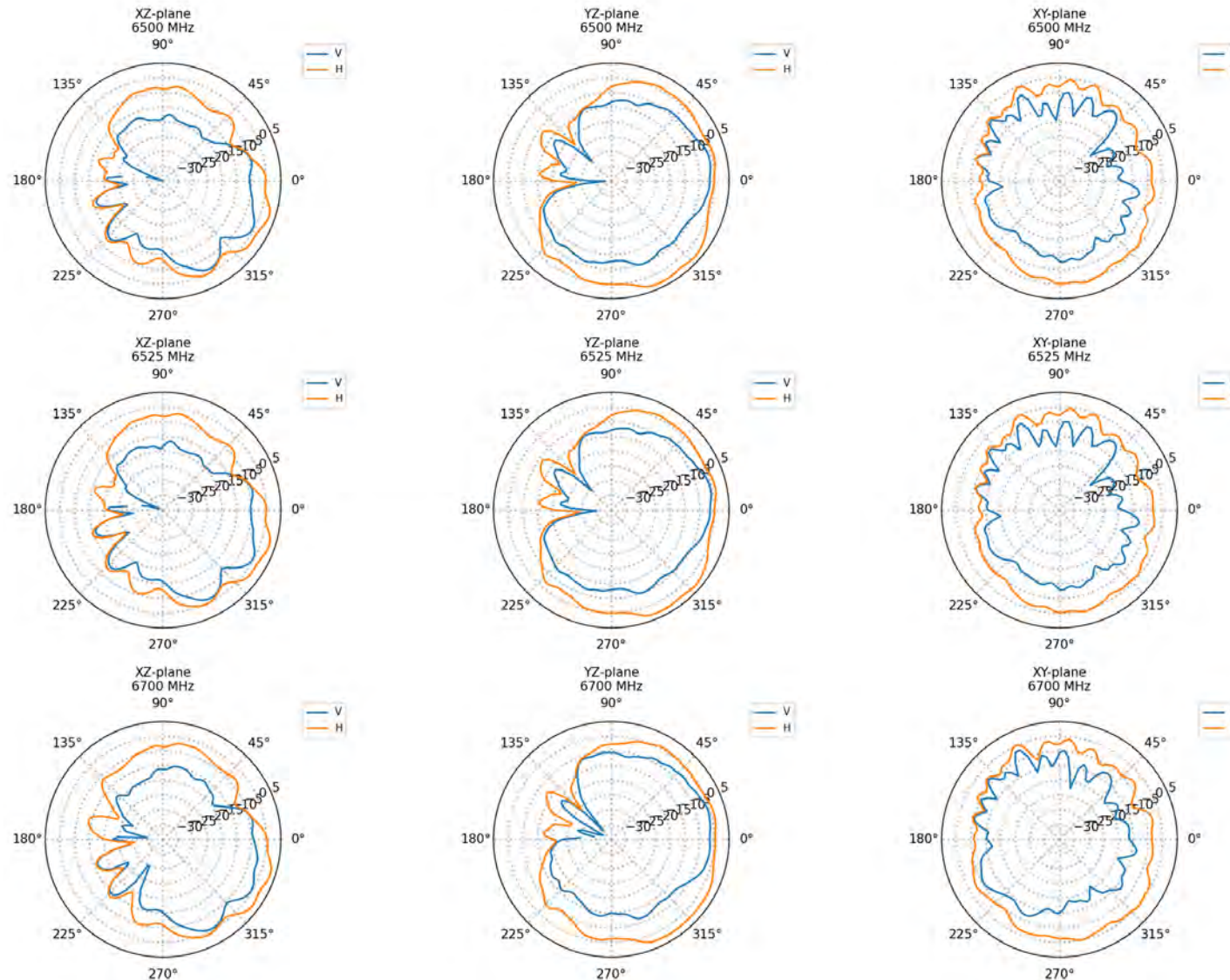
P2 V&H Pattern 5925MHz~6425MHz

Frequency: 5925, 6200, 6425 MHz



P2 V&H Pattern 6500MHz~6700MHz

Frequency: 6500, 6525, 6700 MHz



P2 V&H Pattern 6875MHz~7125MHz

Frequency: 6875, 7000, 7125 MHz

