



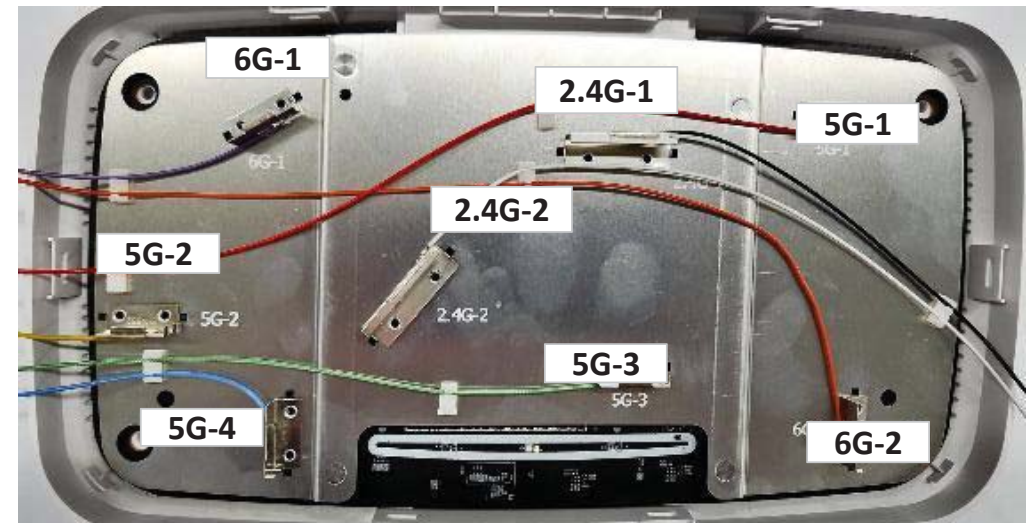
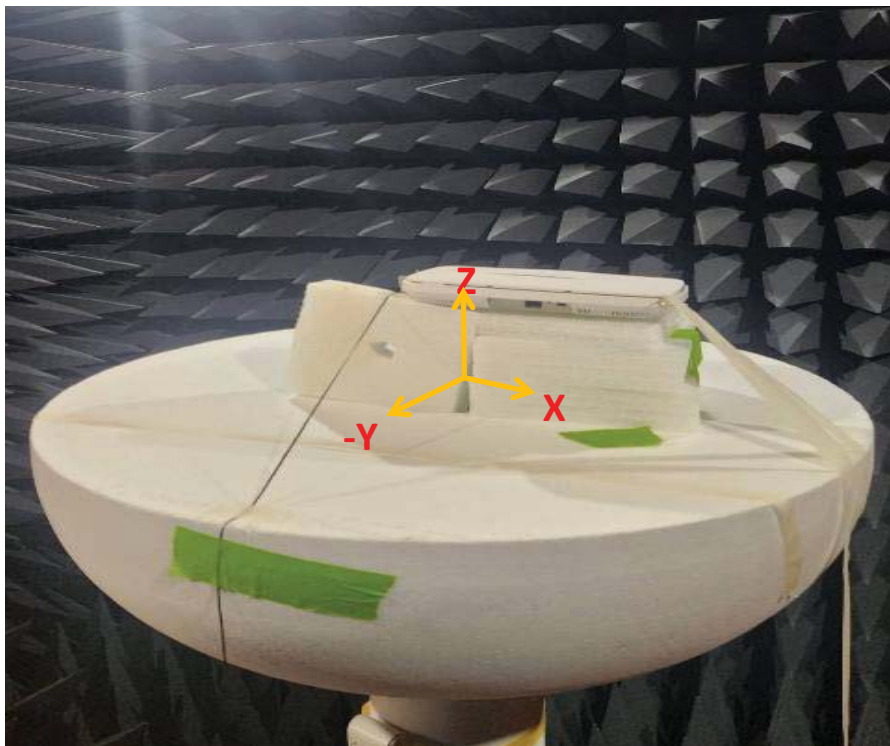
Aristotle

Antenna Solution Provider

Date: 2025.10.23
Reporter: TINA

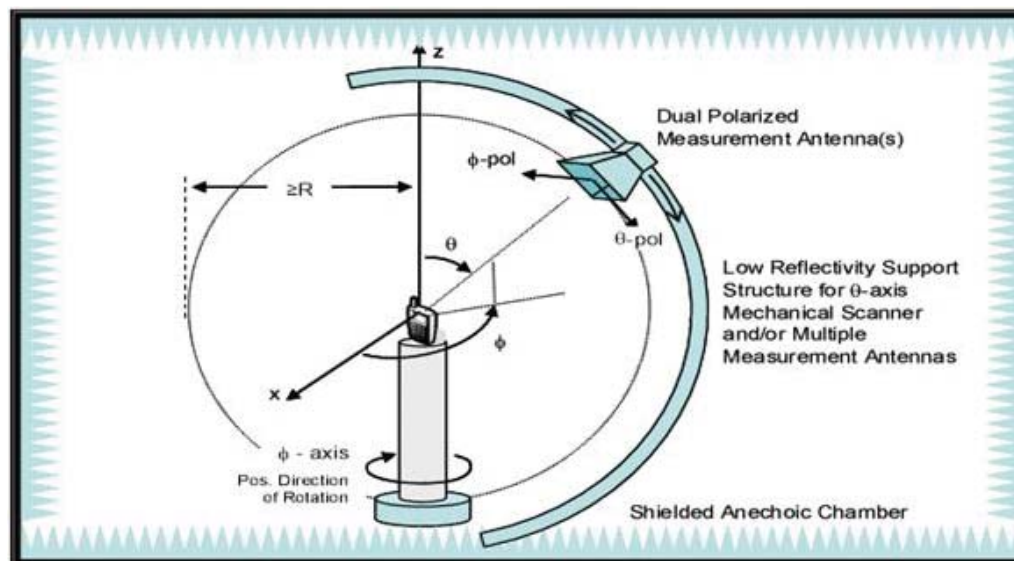
RFA-13226-R3_Antenna Test Report
ARISTOTLE ENTERPRISES INC.
5F., No. 27, Xinmin St., Zhonghe Dist., New Taipei City 235 , Taiwan

Antenna Test Picture



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



2.4G-P1 & P2 Gain Table

				2.4G-1								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	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	-9.59	-8.76	-7.44	1.71	-2.73	0.00	-5.27	-5.60	-6.58	-0.53	0.71	2.74
2450.00	-8.75	-7.41	-6.10	1.91	-0.09	0.15	-5.34	-5.92	-7.01	-0.73	1.74	1.75
2483.50	-9.69	-8.55	-6.82	0.10	-0.78	-0.27	-4.64	-5.86	-6.88	-0.28	1.87	1.36

				2.4G-2								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	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	-14.47	-12.65	-10.79	-3.02	-2.35	0.99	-4.18	-4.60	-7.09	-0.22	2.64	0.16
2450.00	-13.73	-12.40	-9.97	-3.08	-3.32	-0.01	-4.12	-4.20	-7.79	-0.52	2.11	-0.13
2483.50	-14.17	-12.10	-10.36	-4.05	-2.99	-0.46	-3.95	-4.39	-7.51	0.32	2.36	0.34

5G-P1 & P2 Gain Table

	5G-1											
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5150.00	-12.10	-11.78	-14.47	-5.60	-3.02	-3.42	-4.96	-9.68	-8.20	0.54	-0.10	1.93
5200.00	-14.25	-12.29	-14.89	-5.02	-3.77	-3.31	-4.48	-8.05	-10.12	1.05	0.75	1.40
5250.00	-13.73	-12.30	-14.46	-6.36	-2.54	-5.30	-3.66	-7.00	-7.99	0.90	0.79	2.33
5300.00	-14.32	-12.58	-15.26	-5.36	-3.07	-6.99	-3.65	-6.43	-8.39	1.60	1.90	2.28
5350.00	-13.73	-12.56	-14.41	-4.88	-2.74	-6.88	-3.24	-6.03	-8.33	1.91	3.16	2.03
5470.00	-13.02	-13.92	-12.97	-4.98	-3.81	-5.96	-2.54	-5.47	-7.37	1.89	4.36	2.87
5600.00	-11.47	-11.01	-12.71	-3.31	-3.72	-6.38	-3.34	-5.90	-8.76	2.07	4.36	2.82
5725.00	-12.61	-12.59	-13.14	-4.73	-2.64	-5.46	-2.66	-5.47	-9.29	2.51	4.44	3.62
5800.00	-12.13	-12.82	-13.08	-3.80	-2.72	-5.51	-2.40	-5.38	-9.22	3.01	4.54	3.22
5850.00	-11.63	-12.89	-12.68	-3.38	-2.35	-6.35	-2.38	-5.76	-9.12	3.42	4.82	3.22
5895.00	-11.92	-13.16	-12.75	-3.57	-2.85	-6.35	-2.59	-6.58	-9.29	3.43	4.67	2.72

	5G-2											
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5150.00	-11.13	-11.47	-16.49	-6.09	-4.55	-7.33	-3.68	-7.58	-6.65	1.11	3.50	3.46
5200.00	-12.39	-13.14	-15.82	-6.35	-6.53	-6.89	-4.27	-8.17	-7.34	0.59	2.99	3.11
5250.00	-12.73	-13.11	-13.83	-4.38	-5.30	-5.20	-3.46	-8.44	-7.52	1.49	2.73	4.20
5300.00	-12.68	-12.67	-14.04	-4.97	-5.67	-5.78	-3.17	-7.92	-8.47	0.83	2.03	2.91
5350.00	-12.67	-11.30	-15.03	-5.01	-5.86	-6.20	-2.69	-7.32	-7.72	0.86	3.32	2.92
5470.00	-11.07	-11.22	-13.01	-4.27	-0.60	-3.31	-2.92	-5.93	-7.27	3.23	4.65	5.03
5600.00	-9.68	-12.45	-12.06	-3.67	-4.08	-3.90	-1.57	-7.24	-6.22	1.62	3.95	3.42
5725.00	-9.96	-12.52	-12.13	-2.08	-4.91	-2.08	-1.46	-7.45	-7.88	1.87	4.47	2.82
5800.00	-9.87	-11.37	-11.95	-2.37	-3.97	-2.37	-1.52	-7.01	-8.56	2.28	3.35	2.22
5850.00	-9.12	-10.14	-11.26	-2.27	-2.56	-2.79	-1.78	-7.10	-8.35	2.07	3.77	2.46
5895.00	-9.66	-9.78	-10.99	-2.30	-2.52	-2.68	-2.29	-6.96	-8.39	2.03	3.94	2.40

5G-P3 & P4 Gain Table

				5G-3								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5150.00	-14.42	-13.43	-12.57	-8.00	-3.80	-2.90	-3.43	-6.75	-7.49	0.73	0.86	3.83
5200.00	-14.05	-13.20	-12.59	-7.64	-4.23	-3.15	-4.01	-7.03	-7.85	0.61	1.26	3.13
5250.00	-12.95	-11.79	-11.18	-6.27	-3.19	-2.72	-3.65	-6.53	-7.28	1.74	1.84	2.70
5300.00	-13.27	-11.69	-11.73	-6.58	-3.23	-4.74	-4.41	-6.96	-7.61	0.73	0.54	2.13
5350.00	-12.96	-12.18	-12.89	-5.06	-4.69	-5.62	-5.48	-7.85	-8.03	0.90	-1.15	1.63
5470.00	-14.54	-12.64	-14.37	-6.63	-2.89	-3.53	-2.19	-7.58	-7.12	1.22	-0.05	3.82
5600.00	-14.38	-13.24	-13.12	-5.52	-2.91	-1.73	-1.66	-5.83	-6.55	3.04	1.36	3.41
5725.00	-14.39	-12.85	-11.93	-5.60	-3.14	-1.00	-1.32	-4.76	-7.52	2.49	1.84	2.92
5800.00	-14.43	-14.63	-12.01	-5.11	-3.11	-0.40	-1.50	-5.00	-7.96	2.87	2.63	2.85
5850.00	-14.51	-15.38	-11.74	-4.92	-2.79	0.12	-1.54	-5.32	-7.54	3.96	3.03	3.57
5895.00	-14.92	-14.45	-11.69	-5.50	-3.02	-0.27	-1.73	-5.63	-7.76	4.24	2.84	3.72

				5G-4								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5150.00	-13.28	-14.50	-11.32	-1.69	-2.86	-1.31	-3.00	-7.11	-8.99	2.66	0.38	0.97
5200.00	-13.62	-14.63	-12.08	-1.90	-3.48	-2.47	-3.46	-7.28	-9.43	1.82	-0.06	1.49
5250.00	-12.69	-13.62	-10.90	-0.47	-4.09	-2.18	-2.60	-6.63	-8.73	2.81	0.40	2.16
5300.00	-12.81	-13.36	-10.85	-0.91	-4.54	-2.61	-2.94	-7.00	-8.55	2.43	0.12	2.09
5350.00	-12.18	-13.30	-10.85	-1.00	-5.05	-3.20	-3.01	-7.17	-8.41	2.53	0.91	2.23
5470.00	-11.54	-13.44	-9.98	-0.88	-6.07	-0.77	-2.78	-6.84	-7.23	2.46	0.75	3.37
5600.00	-10.91	-13.90	-9.65	-1.09	-4.24	1.02	-1.87	-5.99	-7.70	3.57	0.73	4.16
5725.00	-10.26	-15.65	-9.29	-0.51	-2.30	0.95	-1.56	-5.78	-7.51	3.15	1.75	4.81
5800.00	-10.28	-17.80	-9.02	-0.55	-2.09	0.46	-1.72	-7.02	-7.58	2.59	1.76	4.22
5850.00	-9.88	-15.94	-8.80	-0.02	-1.80	0.12	-1.85	-7.22	-7.53	2.48	1.41	4.50
5895.00	-10.03	-15.12	-9.08	-0.47	-1.58	-0.35	-2.21	-7.20	-7.88	2.10	0.69	4.60

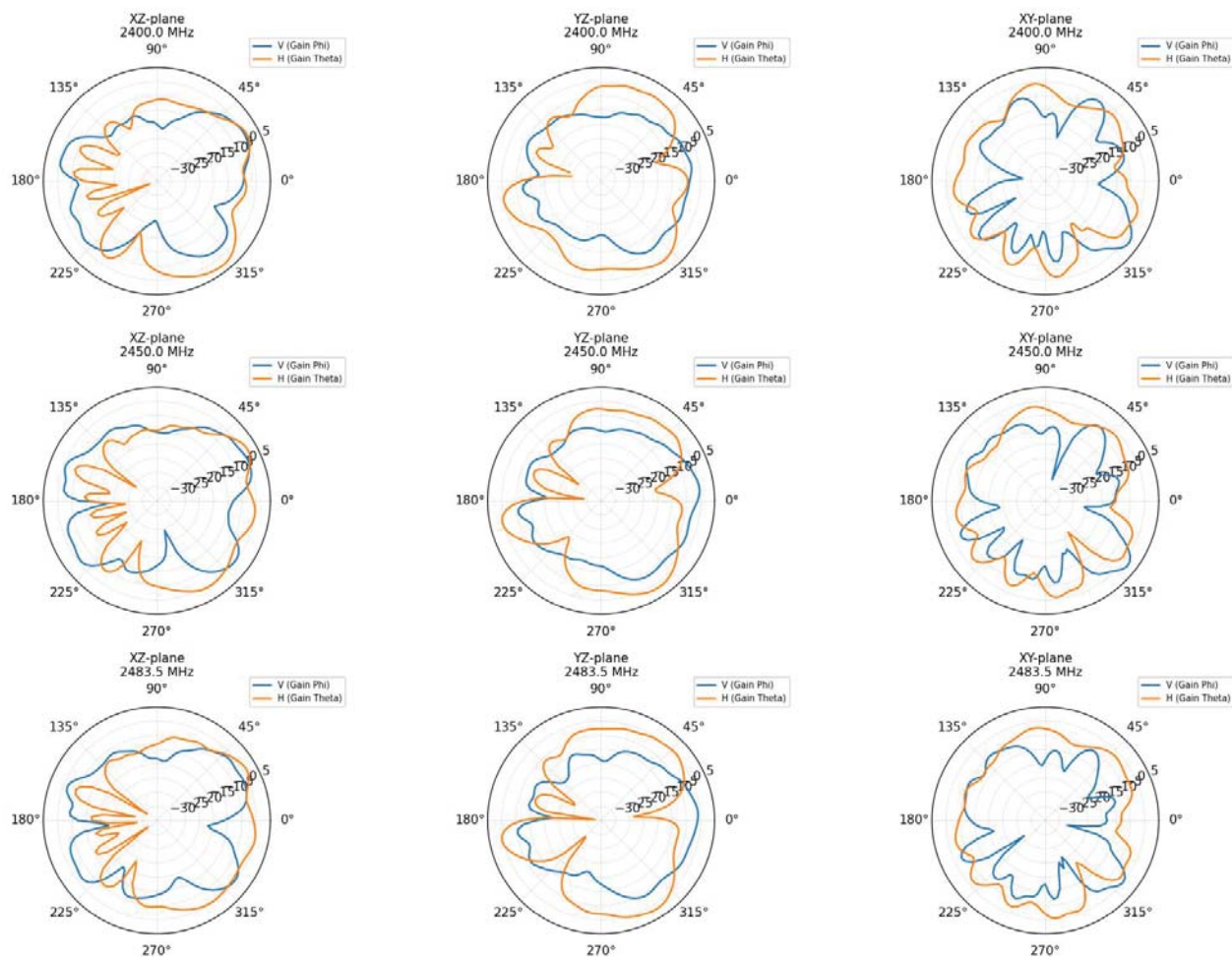
6G-P1 & P2 Gain Table

				6G-1								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5925.00	-14.95	-13.11	-13.08	-5.10	-2.94	-3.02	-2.46	-7.75	-7.44	0.94	1.68	1.86
6200.00	-14.08	-12.46	-12.23	-5.18	-2.67	-1.49	-3.05	-7.70	-6.92	2.17	1.30	1.39
6425.00	-14.36	-11.46	-12.24	-6.33	-3.65	-2.27	-3.63	-8.72	-9.13	0.96	1.60	0.72
6500.00	-13.81	-11.46	-12.12	-6.15	-2.03	-1.76	-3.05	-8.01	-7.31	1.15	1.69	0.88
6525.00	-13.20	-11.81	-12.50	-5.71	-2.23	-1.48	-3.34	-8.42	-8.08	1.53	1.87	1.41
6700.00	-14.55	-12.82	-12.71	-4.88	-1.56	-1.03	-3.37	-8.34	-8.70	0.97	2.04	2.61
6875.00	-15.70	-12.67	-12.38	-6.86	-0.62	-1.30	-3.20	-7.30	-9.32	0.07	2.70	1.92
7000.00	-15.25	-12.86	-11.76	-5.28	-0.54	-1.17	-3.32	-7.52	-10.08	0.66	3.39	1.76
7125.00	-14.86	-13.46	-12.88	-5.14	-0.35	-1.70	-4.10	-8.13	-10.67	1.57	2.76	2.06

				6G-2								
Frequency (MHz)	E-phi Avg. Gain			E-phi Peak Gain			E-theta Avg. Gain			E-theta Peak Gain		
	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
5925.00	-14.09	-15.50	-9.43	-3.90	-7.82	-0.33	-2.59	-5.63	-6.27	1.66	2.49	1.59
6200.00	-15.35	-16.45	-11.26	-4.55	-7.89	-1.41	-3.23	-6.08	-7.29	2.34	1.94	0.48
6425.00	-14.79	-16.30	-11.52	-5.70	-9.28	-3.34	-3.36	-7.17	-7.08	2.40	1.60	0.86
6500.00	-15.33	-17.43	-11.18	-4.56	-6.90	-1.97	-4.06	-8.85	-8.59	1.79	2.02	0.64
6525.00	-15.05	-17.91	-11.03	-4.56	-7.82	-1.57	-3.75	-8.07	-8.50	1.66	2.17	1.13
6700.00	-16.96	-18.88	-11.07	-4.55	-8.27	-0.87	-3.56	-8.21	-8.73	2.51	2.45	1.19
6875.00	-17.27	-18.37	-11.51	-4.30	-8.45	-1.12	-4.48	-9.21	-8.65	2.18	2.24	1.67
7000.00	-16.52	-18.75	-11.13	-2.68	-10.79	-0.48	-3.76	-9.11	-7.65	4.30	0.92	4.40
7125.00	-16.59	-20.42	-11.97	-3.60	-12.49	-0.12	-4.41	-10.81	-8.57	3.53	0.72	3.82

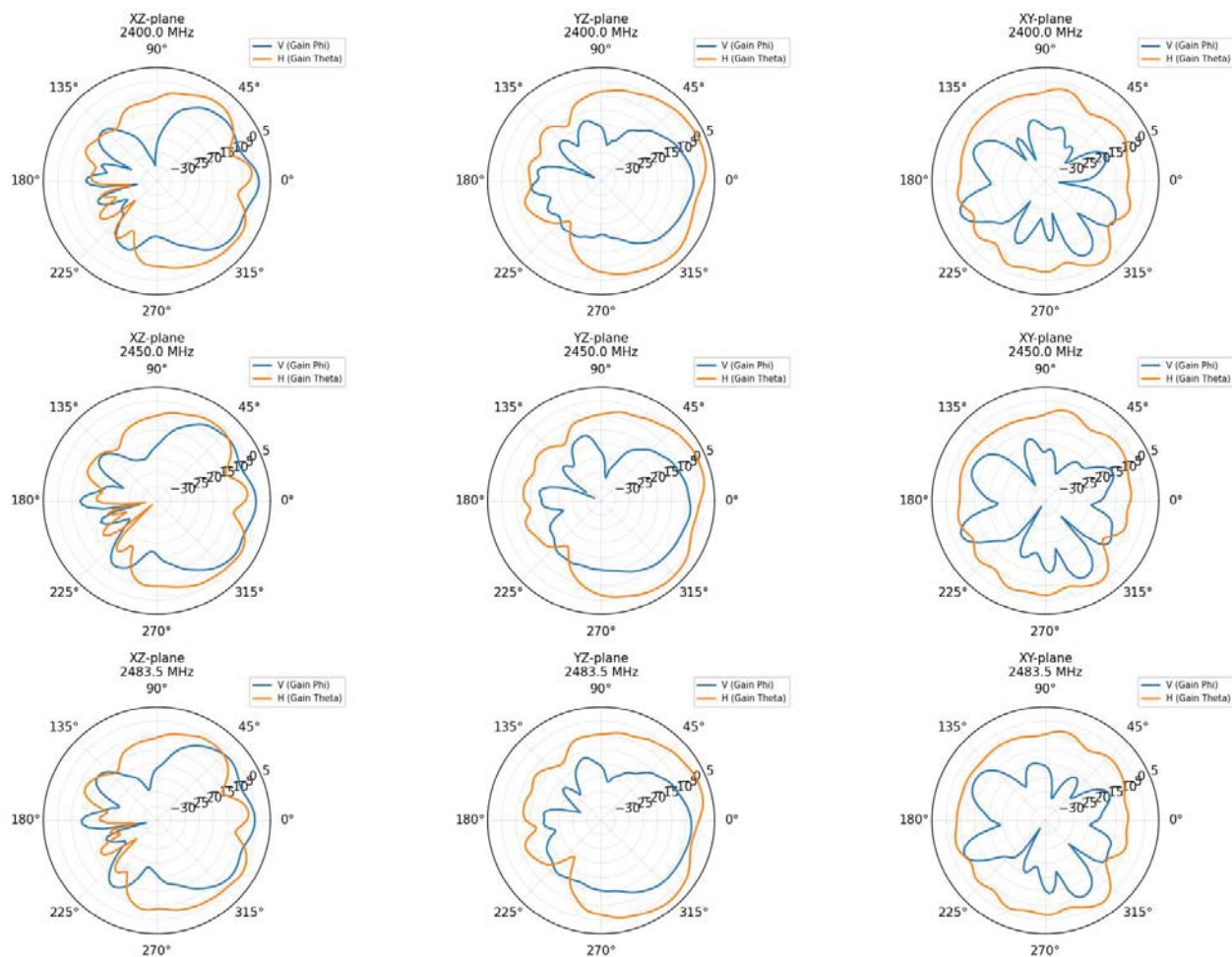
2G-P1 V&H Pattern 2400MHz~2483.5MHz

Antenna: 2G-1
Frequency: 2400.0, 2450.0, 2483.5 MHz



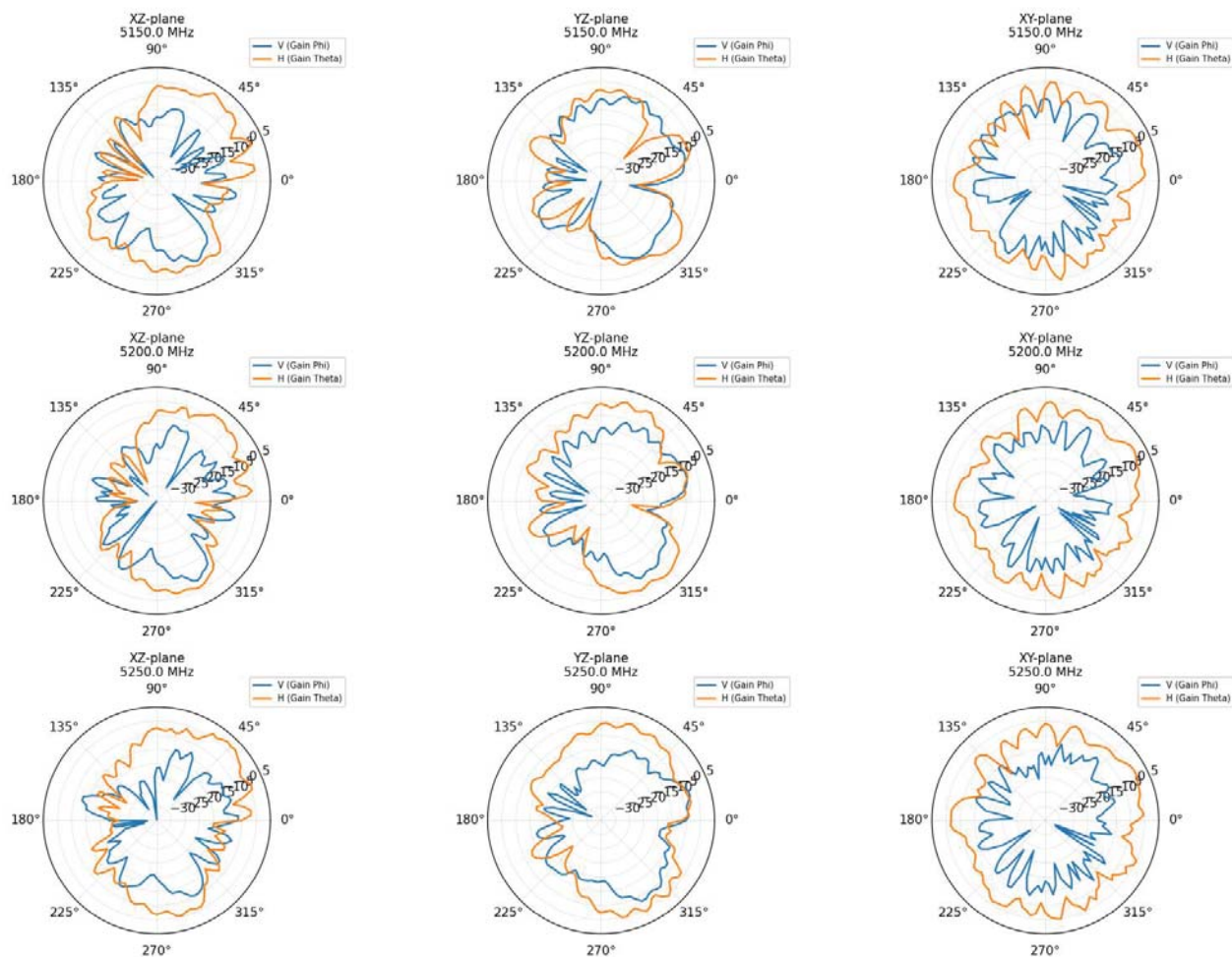
2G-P2 V&H Pattern 2400MHz~2483.5MHz

Antenna: 2G-2
Frequency: 2400.0, 2450.0, 2483.5 MHz



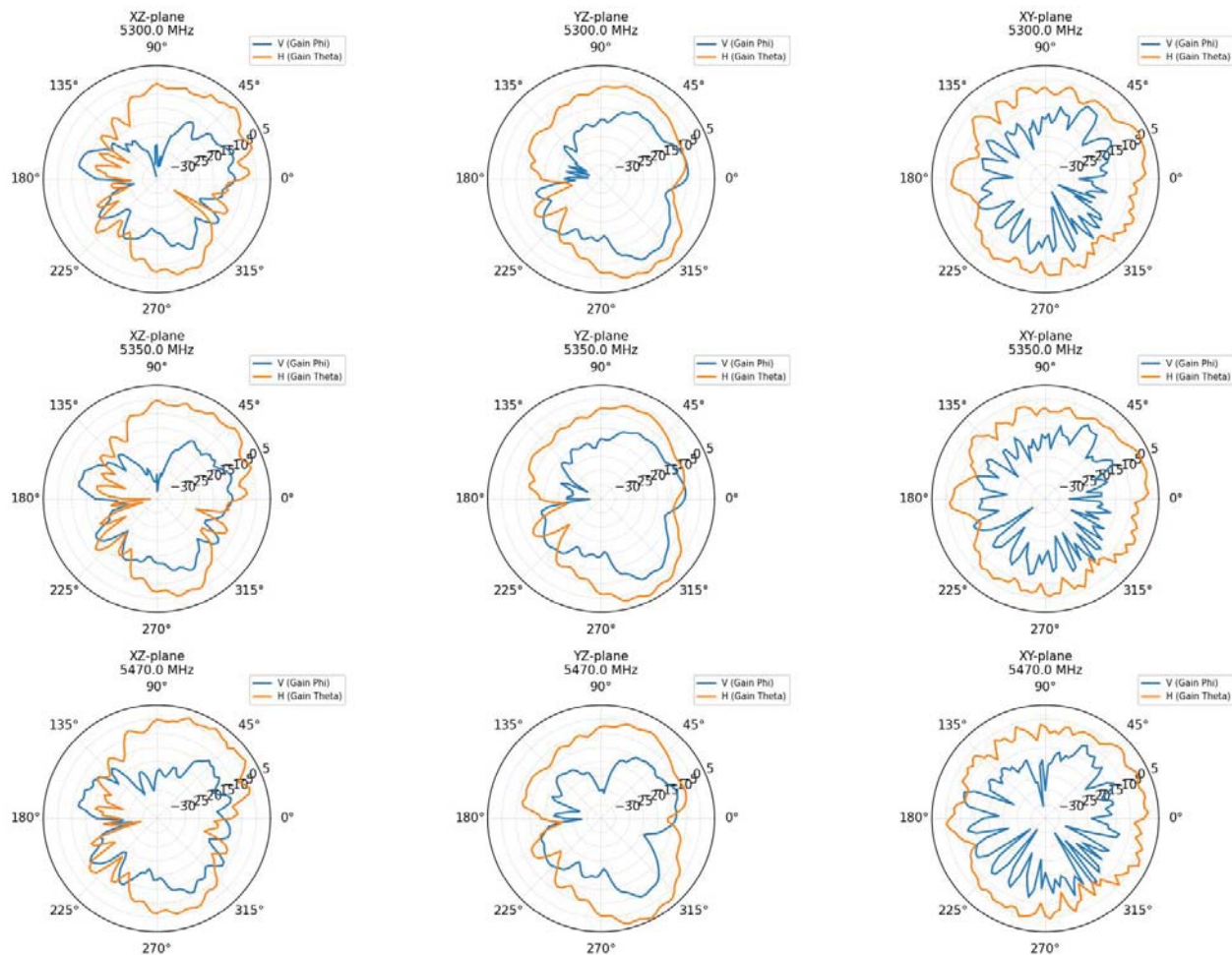
5G-P1 V&H Pattern 5150MHz~5250MHz

Antenna: 5G-1
Frequency: 5150.0, 5200.0, 5250.0 MHz



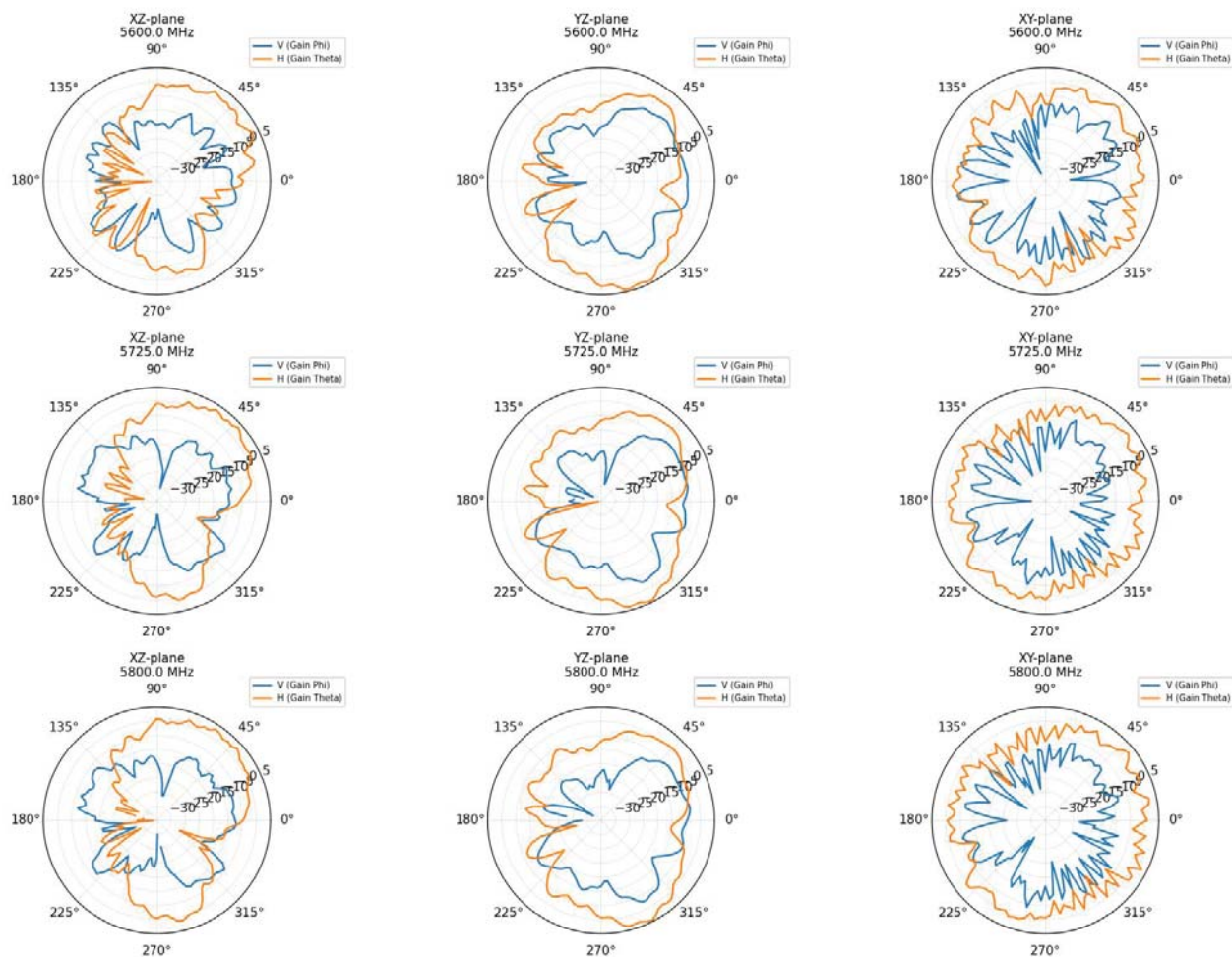
5G-P1 V&H Pattern 5300MHz~5470MHz

Antenna: 5G-1
Frequency: 5300.0, 5350.0, 5470.0 MHz



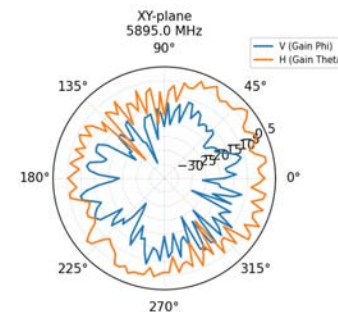
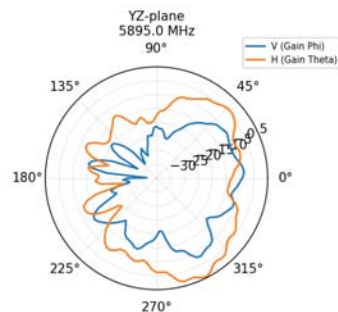
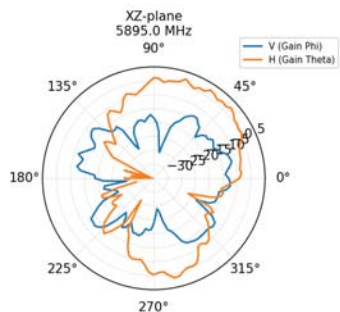
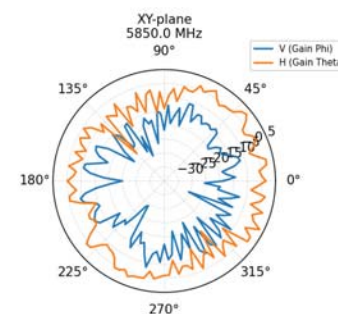
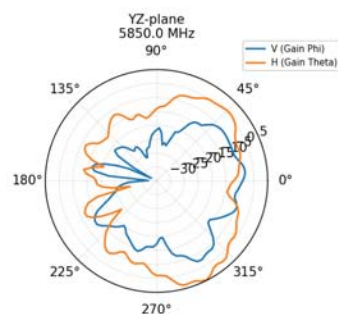
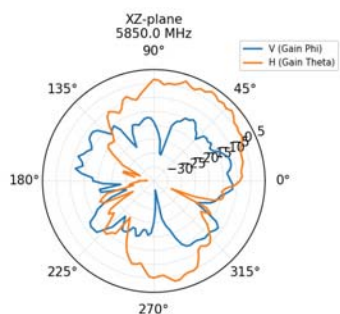
5G-P1 V&H Pattern 5600MHz~5800MHz

Antenna: 5G-1
Frequency: 5600.0, 5725.0, 5800.0 MHz



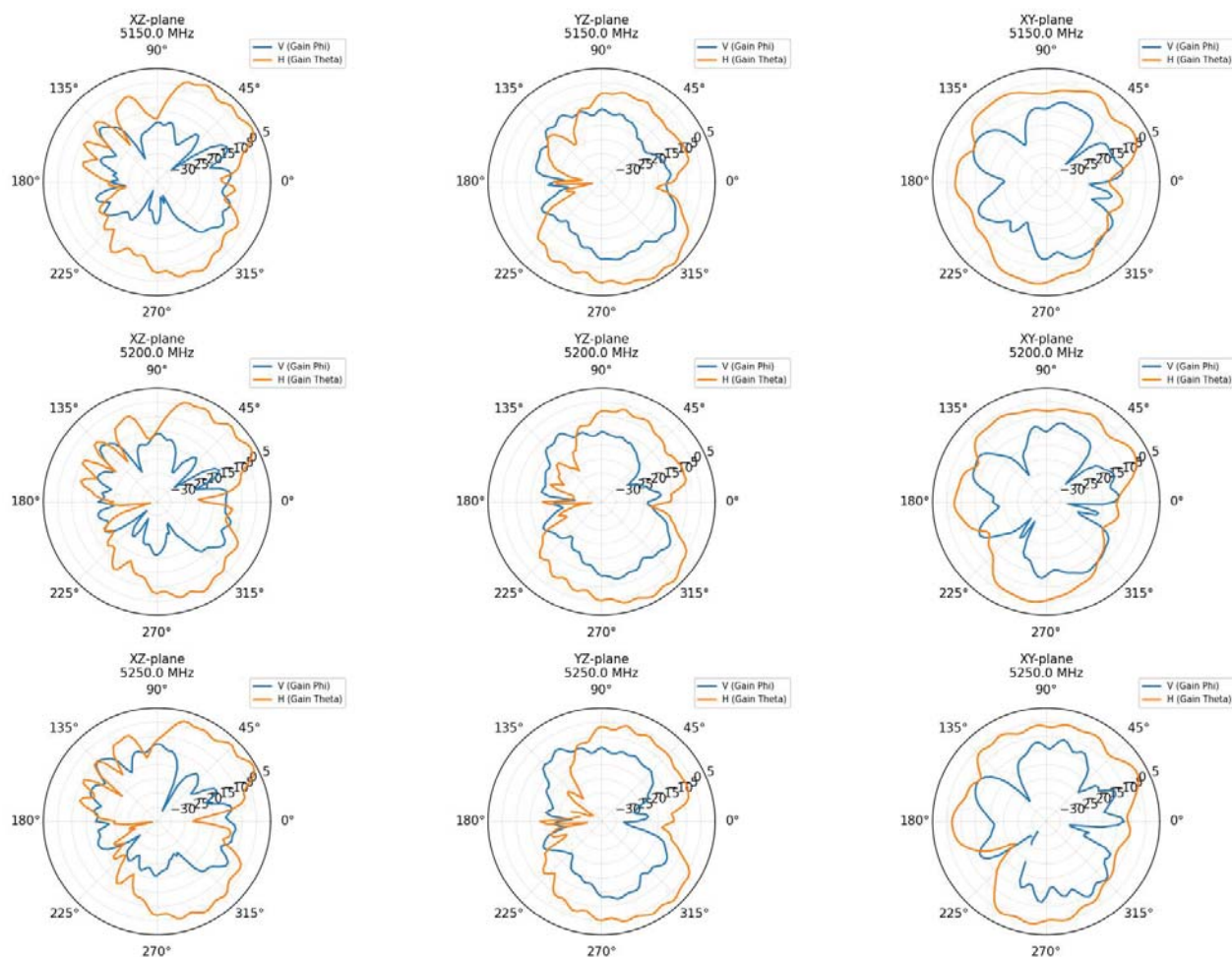
5G-P1 V&H Pattern 5850MHz~5895MHz

Antenna: 5G-1
Frequency: 5850.0, 5895.0 MHz



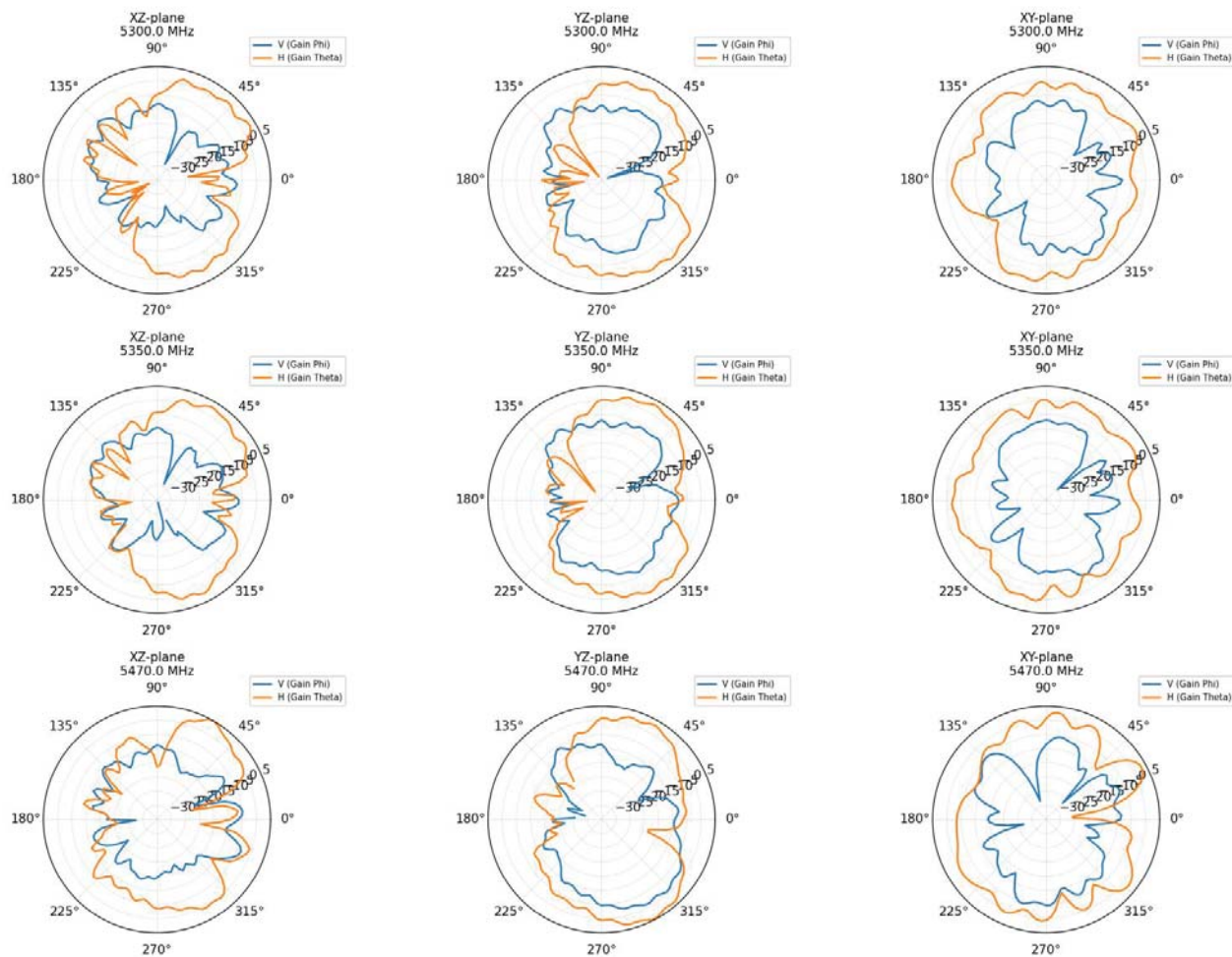
5G-P2 V&H Pattern 5150MHz~5250MHz

Antenna: 5G-2
Frequency: 5150.0, 5200.0, 5250.0 MHz



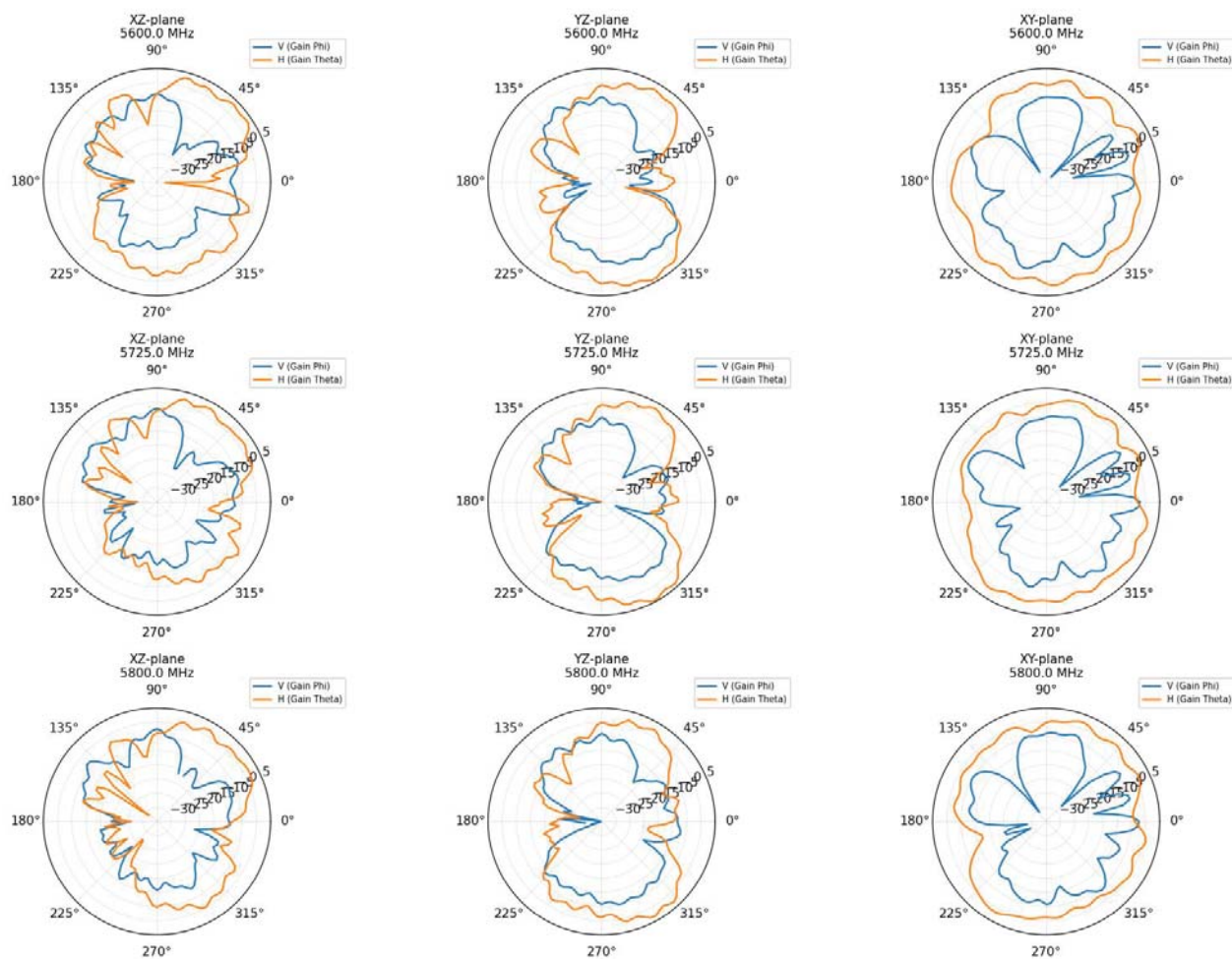
5G-P2 V&H Pattern 5300MHz~5470MHz

Antenna: 5G-2
Frequency: 5300.0, 5350.0, 5470.0 MHz



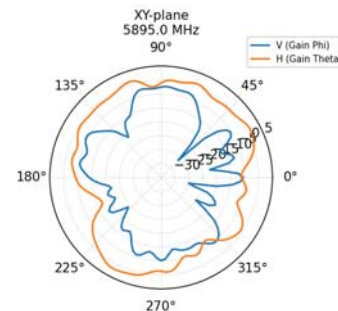
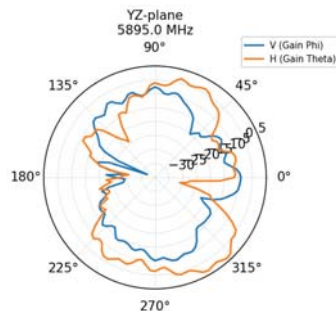
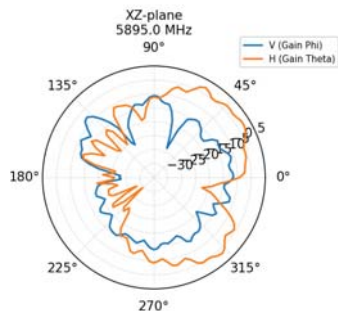
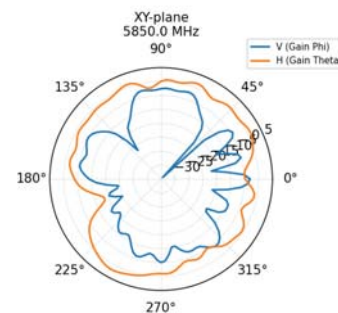
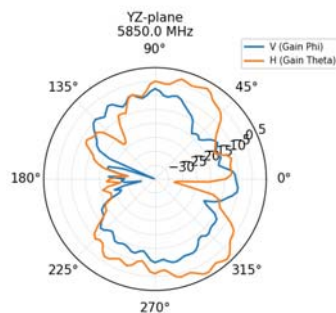
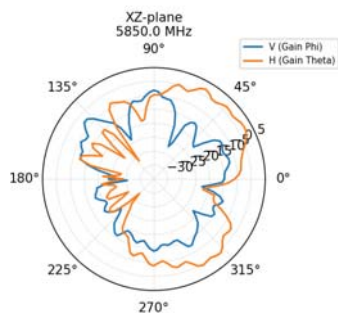
5G-P2 V&H Pattern 5600MHz~5800MHz

Antenna: 5G-2
Frequency: 5600.0, 5725.0, 5800.0 MHz



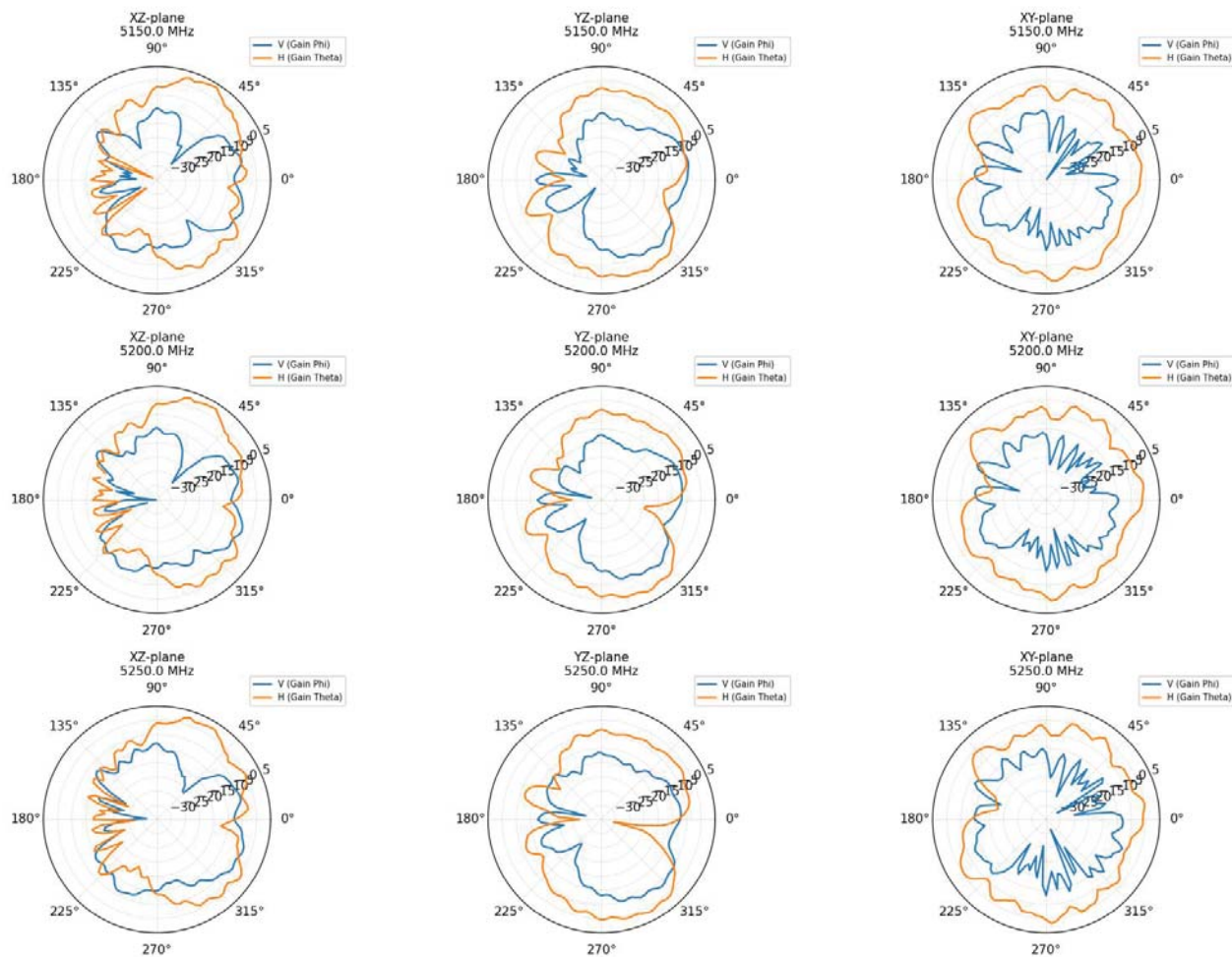
5G-P2 V&H Pattern 5850MHz~5895MHz

Antenna: 5G-2
Frequency: 5850.0, 5895.0 MHz



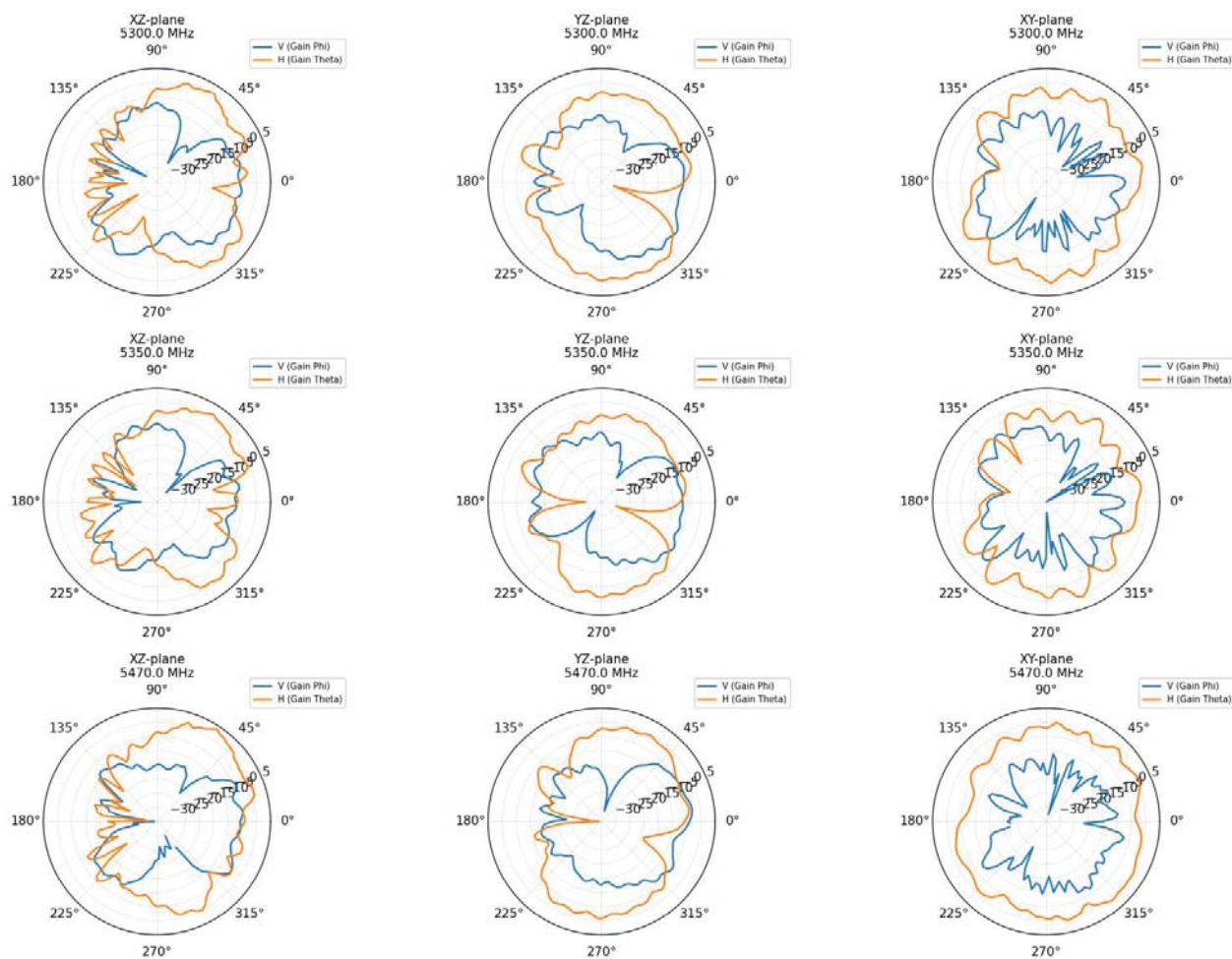
5G-P3 V&H Pattern 5150MHz~5250MHz

Antenna: 5G-3
Frequency: 5150.0, 5200.0, 5250.0 MHz



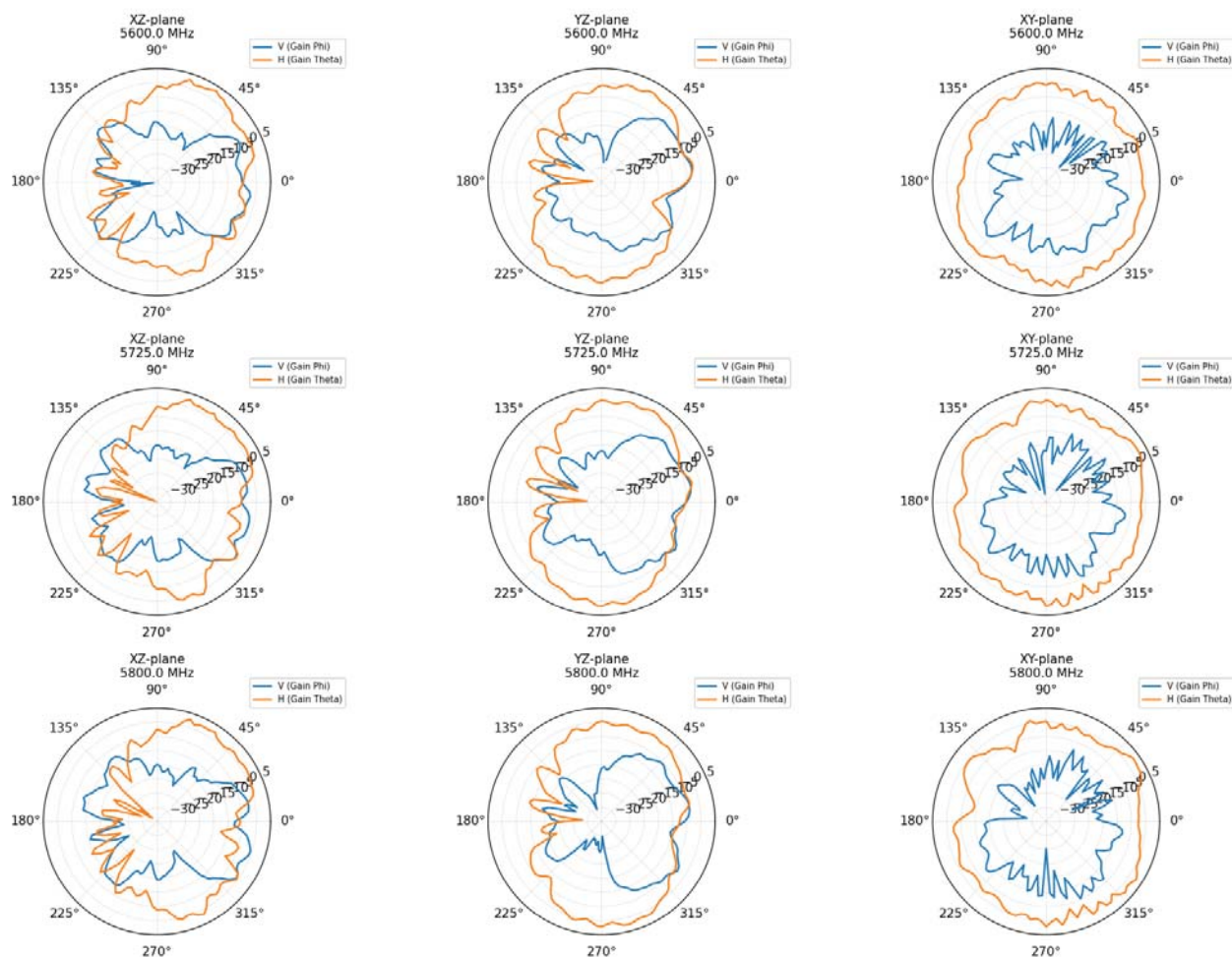
5G-P3 V&H Pattern 5300MHz~5470MHz

Antenna: 5G-3
Frequency: 5300.0, 5350.0, 5470.0 MHz



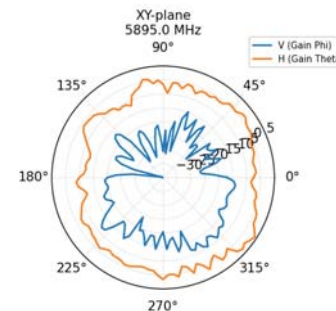
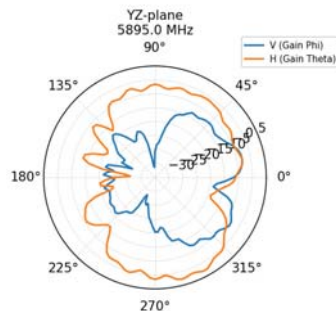
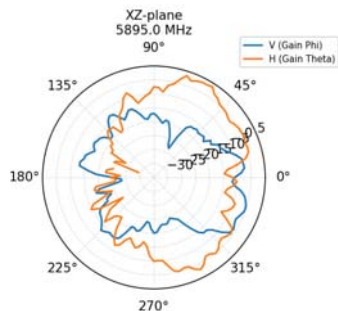
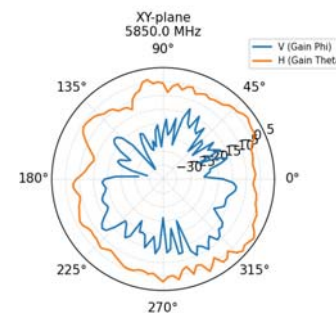
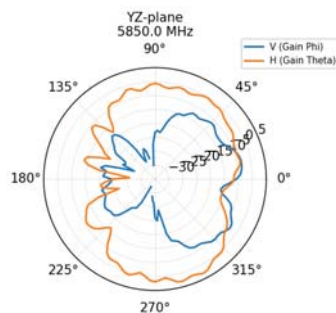
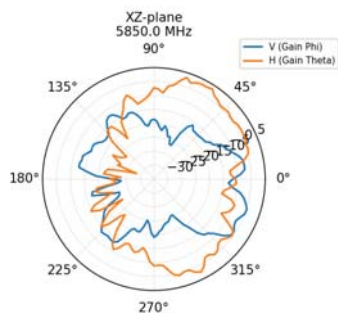
5G-P3 V&H Pattern 5600MHz~5800MHz

Antenna: 5G-3
Frequency: 5600.0, 5725.0, 5800.0 MHz



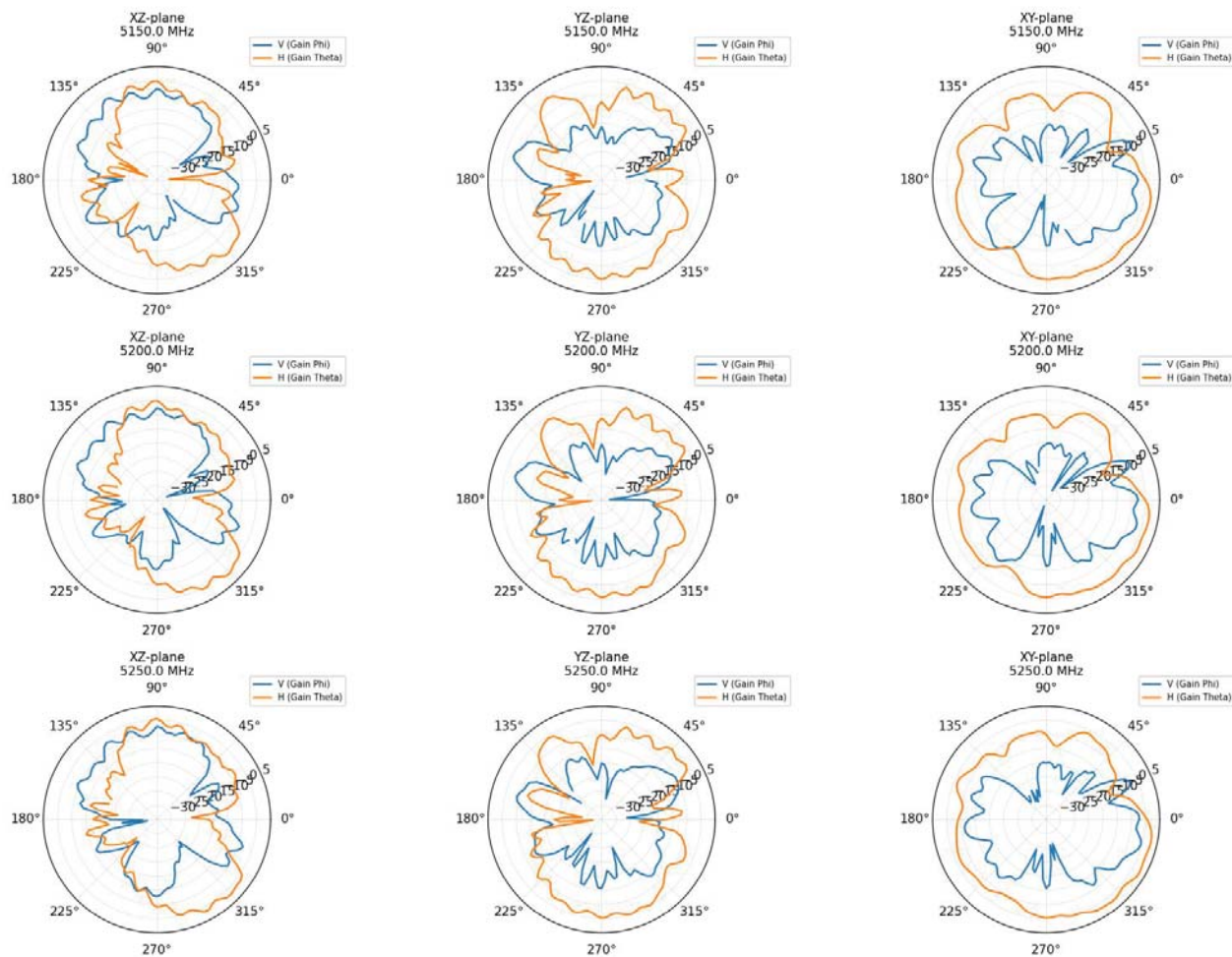
5G-P3 V&H Pattern 5850MHz~5895MHz

Antenna: 5G-3
Frequency: 5850.0, 5895.0 MHz



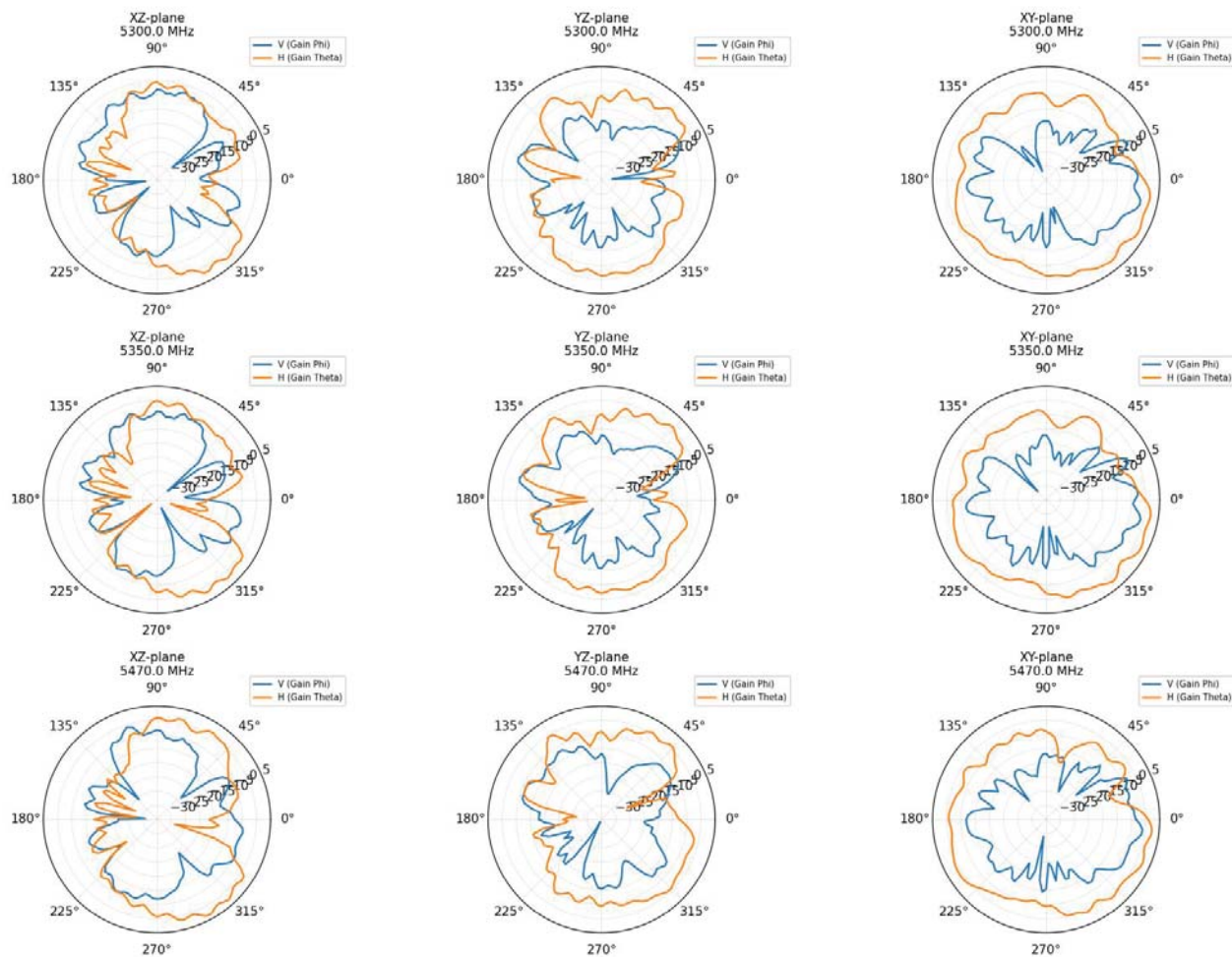
5G-P4 V&H Pattern 5150MHz~5250MHz

Antenna: 5G-4
Frequency: 5150.0, 5200.0, 5250.0 MHz



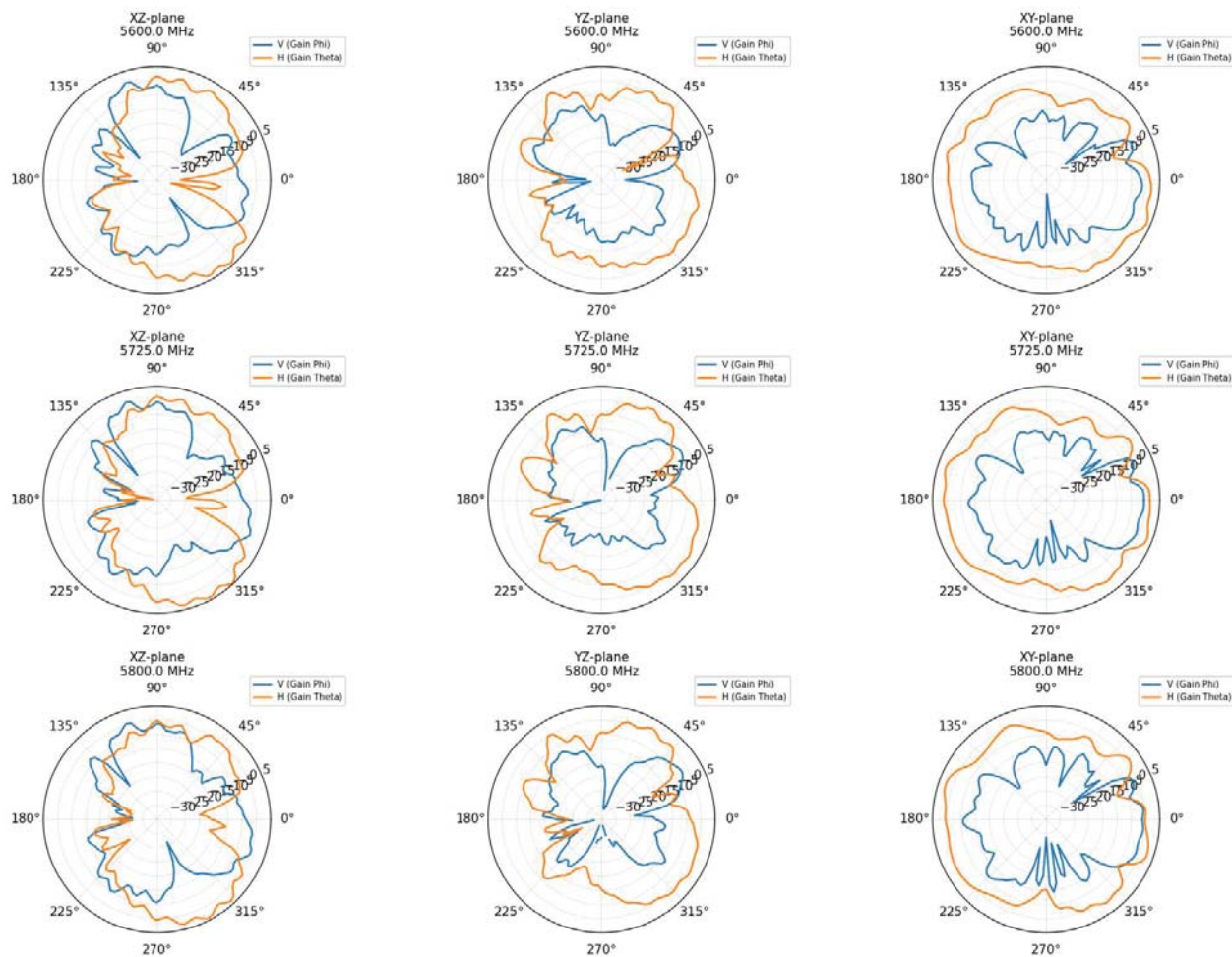
5G-P4 V&H Pattern 5300MHz~5470MHz

Antenna: 5G-4
Frequency: 5300.0, 5350.0, 5470.0 MHz



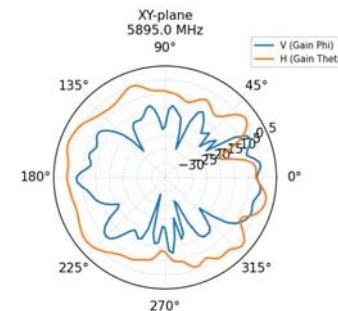
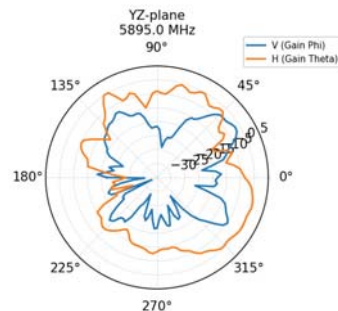
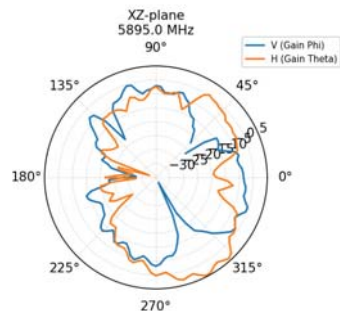
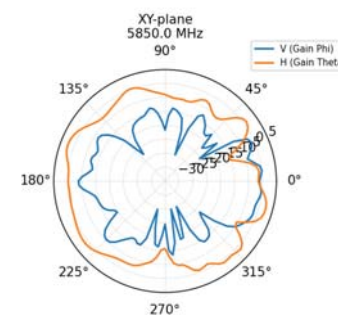
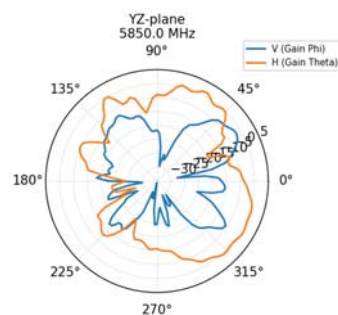
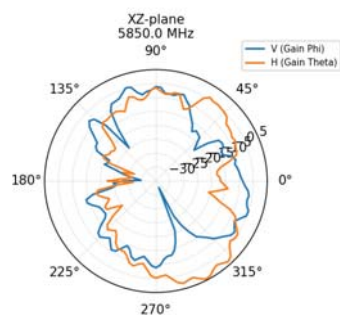
5G-P4 V&H Pattern 5600MHz~5800MHz

Antenna: 5G-4
Frequency: 5600.0, 5725.0, 5800.0 MHz



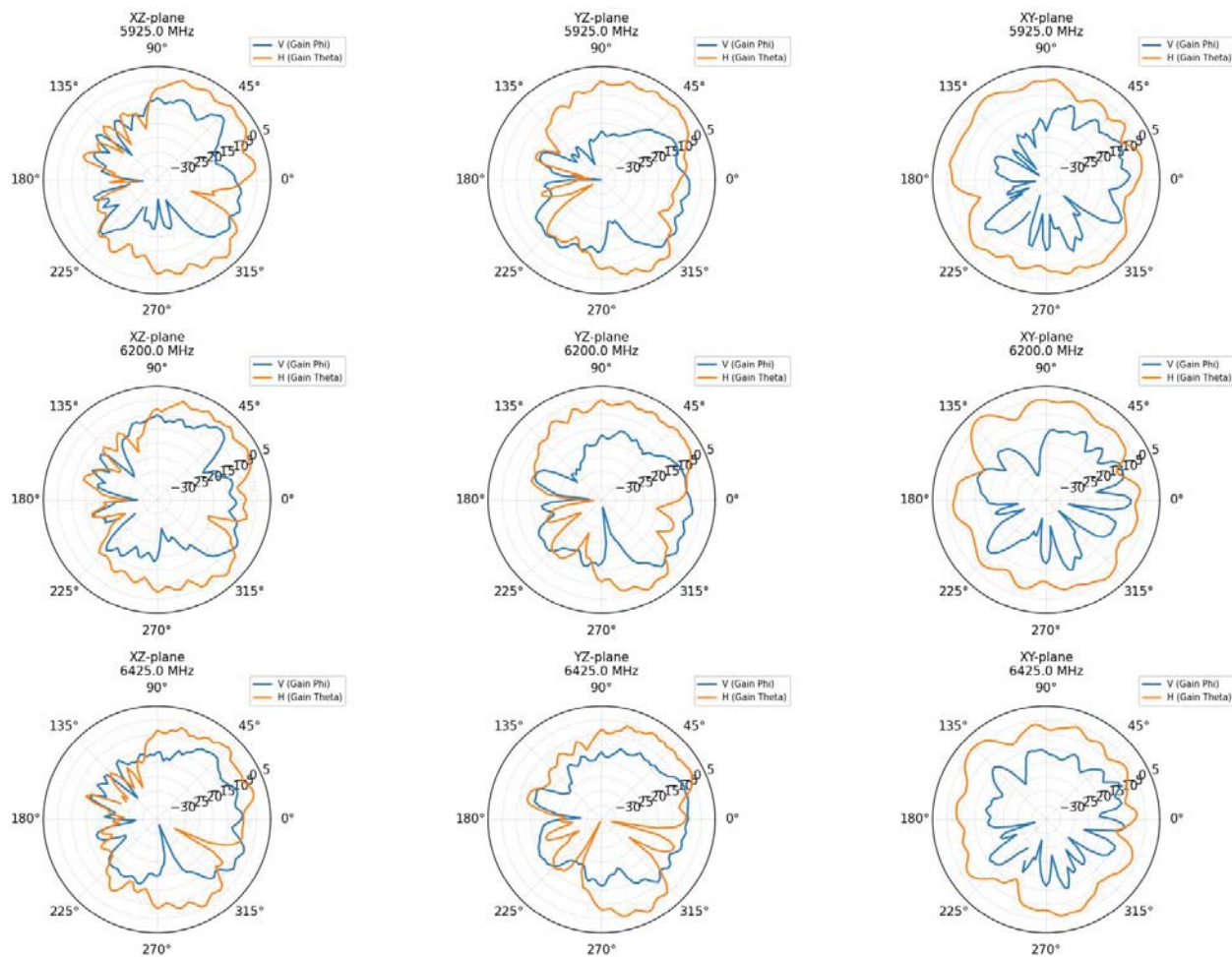
5G-P4 V&H Pattern 5850MHz~5895MHz

Antenna: 5G-4
Frequency: 5850.0, 5895.0 MHz



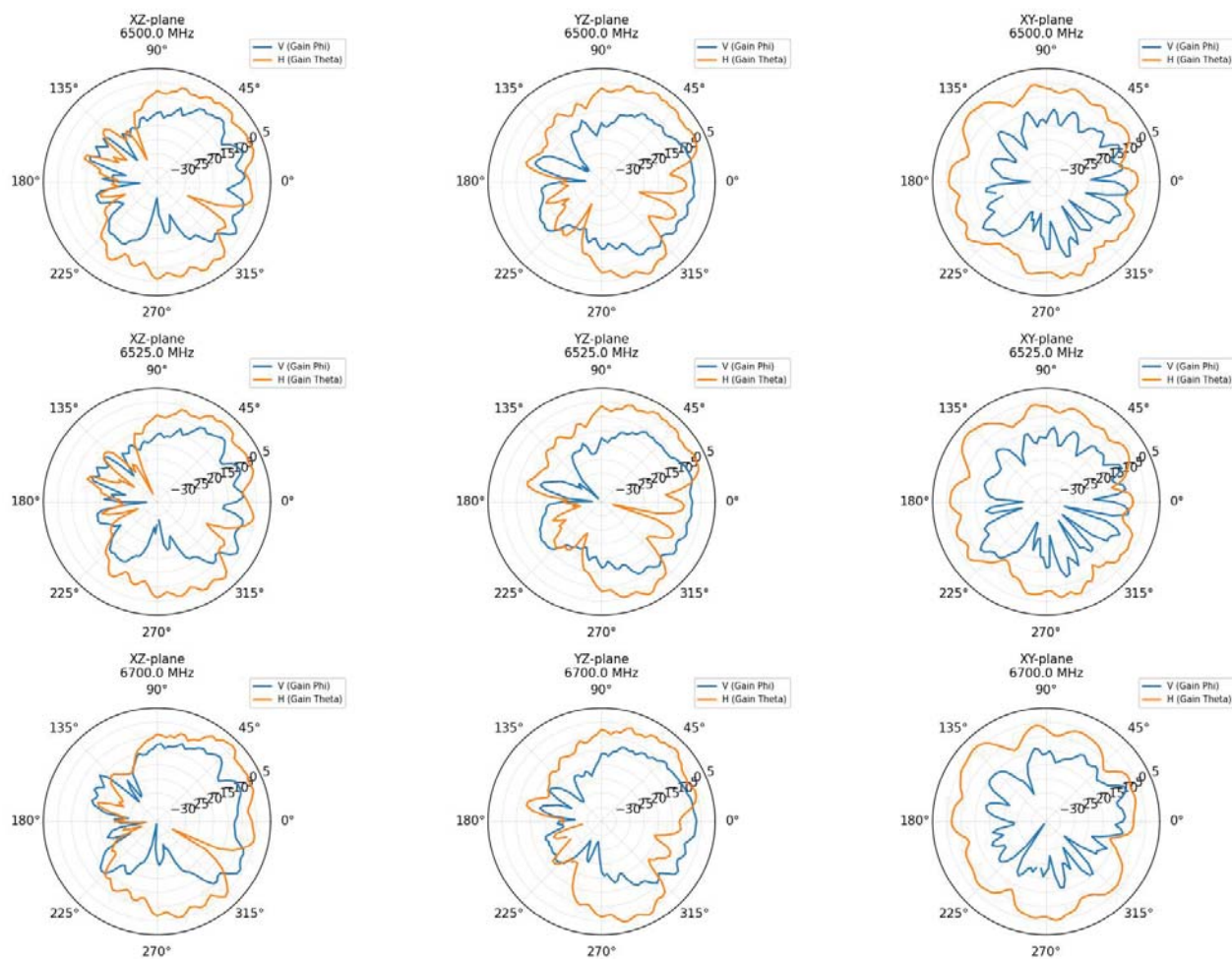
6G-P1 V&H Pattern 5925MHz~6425MHz

Antenna: 6G-1
Frequency: 5925.0, 6200.0, 6425.0 MHz



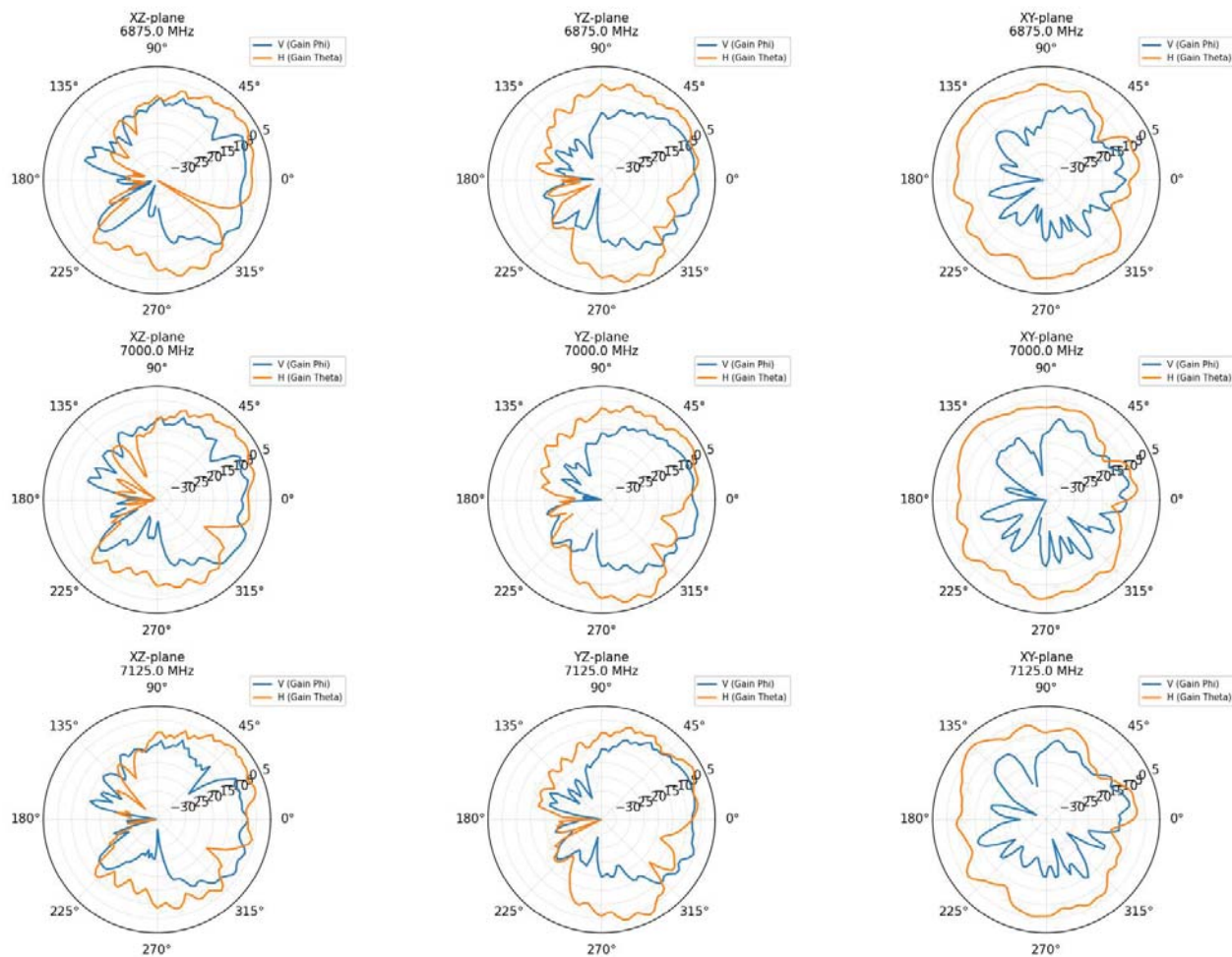
6G-P1 V&H Pattern 6500MHz~6700MHz

Antenna: 6G-1
Frequency: 6500.0, 6525.0, 6700.0 MHz



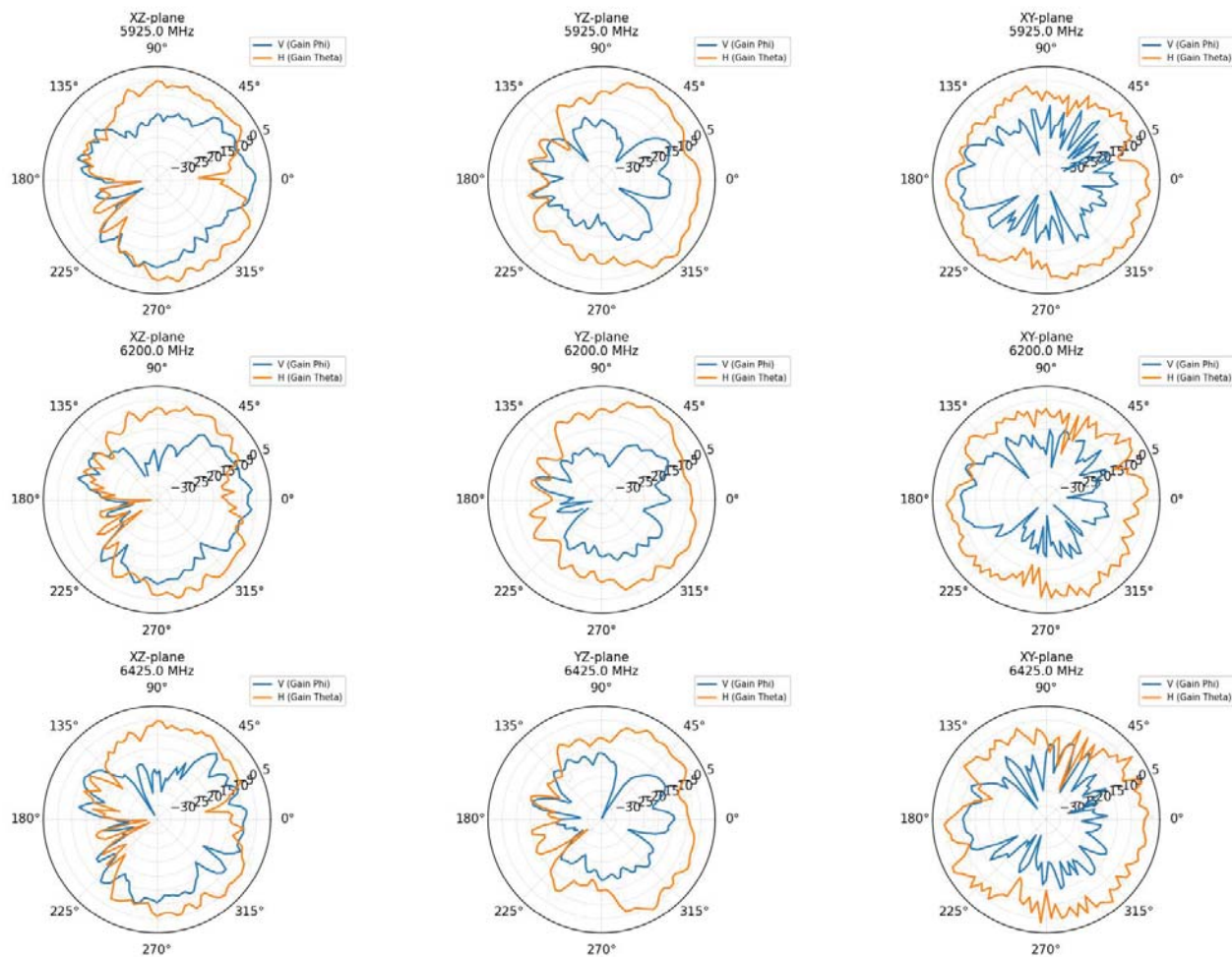
6G-P1 V&H Pattern 6875MHz~7125MHz

Antenna: 6G-1
Frequency: 6875.0, 7000.0, 7125.0 MHz



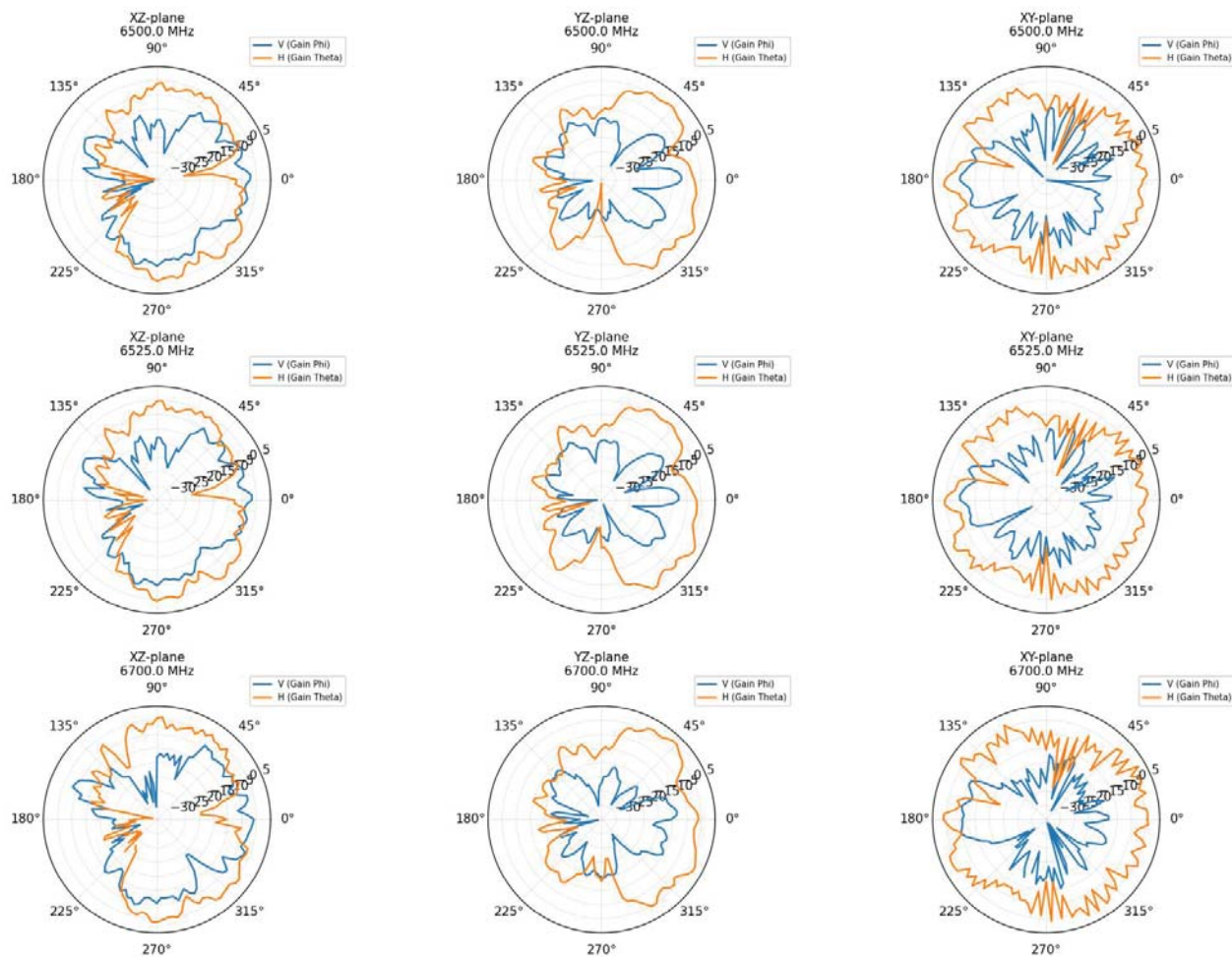
6G-P2 V&H Pattern 5925MHz~6425MHz

Antenna: 6G-2
Frequency: 5925.0, 6200.0, 6425.0 MHz



6G-P2 V&H Pattern 6500MHz~6700MHz

Antenna: 6G-2
Frequency: 6500.0, 6525.0, 6700.0 MHz



6G-P2 V&H Pattern 6875MHz~7125MHz

Antenna: 6G-2
Frequency: 6875.0, 7000.0, 7125.0 MHz

