

An aerial night view of a city, likely Taipei, with numerous skyscrapers and city lights. Overlaid on the image is a network diagram consisting of several glowing blue nodes connected by white, curved lines, suggesting a global or interconnected network.

Aristotle

Antenna Solution Provider

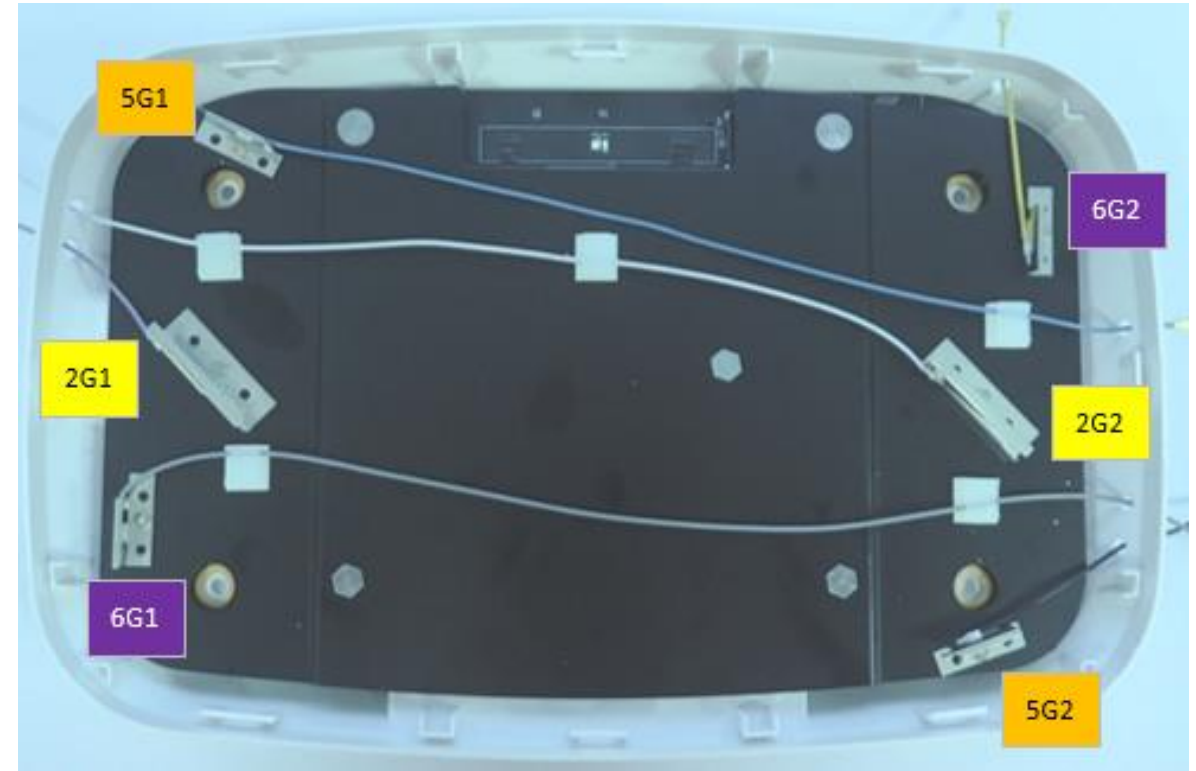
Date: 2024.01.15
Reporter: TINA

RFA-12123-V2 Antenna Test Report

ARISTOTLE ENTERPRISES INC.

8F., No.63, Juguang Rd., Zhonghe Dist., New Taipei City 235, Taiwan

Antenna Test Picture



2G Gain Table

2G1												
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	-14.96	-8.21	-14.96	-6.04	0.40	-6.04	-4.10	-4.47	-5.92	-2.41	1.39	1.77
2450.00	-13.85	-7.59	-13.85	-5.67	0.10	-5.67	-4.04	-4.46	-6.14	-2.68	1.32	1.72
2500.00	-13.91	-7.64	-13.91	-5.62	-0.21	-5.62	-4.09	-4.68	-6.40	-2.68	1.32	1.26

2G2												
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	-11.92	-10.60	-11.92	-2.85	-2.37	-2.85	-4.92	-6.37	-4.75	-2.06	1.27	-0.58
2450.00	-11.38	-8.95	-11.38	-3.35	-2.14	-3.35	-4.81	-6.44	-5.16	-1.76	1.25	-1.03
2500.00	-10.89	-8.46	-10.89	-4.39	-2.49	-4.39	-4.77	-6.29	-5.22	-2.68	1.09	-1.02

5G Gain Table

5G1												
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	-7.67	-11.50	-7.67	-0.98	-5.31	-0.98	-6.47	-3.84	-7.87	-0.87	1.75	0.95
5250.00	-7.05	-10.63	-7.05	-1.18	-4.03	-1.18	-5.00	-3.65	-7.14	-0.88	3.40	1.09
5350.00	-6.60	-9.30	-6.60	-1.34	-3.42	-1.34	-4.98	-3.53	-7.85	-0.74	3.41	1.60
5475.00	-7.12	-10.13	-7.12	-2.44	-4.76	-2.44	-6.31	-4.81	-8.78	-2.48	1.97	0.32
5600.00	-7.44	-11.32	-7.44	-1.79	-4.30	-1.79	-4.91	-4.36	-7.99	-0.96	1.68	0.10
5725.00	-6.43	-11.20	-6.43	-1.61	-4.87	-1.61	-4.39	-3.91	-7.51	-0.02	2.73	1.70
5750.00	-6.16	-11.25	-6.16	-1.41	-5.13	-1.41	-4.26	-3.71	-7.18	0.00	3.14	2.04
5825.00	-6.18	-12.24	-6.18	-0.71	-5.07	-0.71	-4.51	-3.95	-7.04	-0.26	2.77	2.12
5875.00	-6.87	-11.91	-6.87	-0.51	-5.66	-0.51	-4.67	-4.65	-6.86	0.16	2.15	2.06
5G2												
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	-7.30	-7.70	-7.30	-3.38	-3.14	-3.38	-2.46	-4.74	-5.29	0.63	2.00	3.93
5250.00	-7.24	-8.04	-7.24	-1.28	-3.41	-1.28	-2.72	-5.15	-5.10	0.61	2.00	5.14
5350.00	-6.71	-8.69	-6.71	-1.73	-2.66	-1.73	-3.22	-5.20	-5.61	1.00	1.72	5.04
5475.00	-8.57	-10.84	-8.57	-3.20	-5.33	-3.20	-4.85	-6.93	-7.52	-1.22	-0.82	3.16
5600.00	-8.55	-10.50	-8.55	-3.20	-4.35	-3.20	-3.97	-6.58	-7.18	-0.48	0.00	4.06
5725.00	-8.74	-10.52	-8.74	-2.01	-3.40	-2.01	-3.50	-6.35	-5.72	-0.78	0.63	4.77
5750.00	-8.26	-10.36	-8.26	-1.97	-3.01	-1.97	-3.30	-5.95	-5.68	-0.67	0.86	4.47
5825.00	-8.09	-10.37	-8.09	-2.54	-2.88	-2.54	-3.25	-5.73	-6.07	-0.48	1.07	4.40
5875.00	-8.42	-10.62	-8.42	-2.99	-3.15	-2.99	-2.69	-5.99	-6.67	-0.62	1.06	4.23

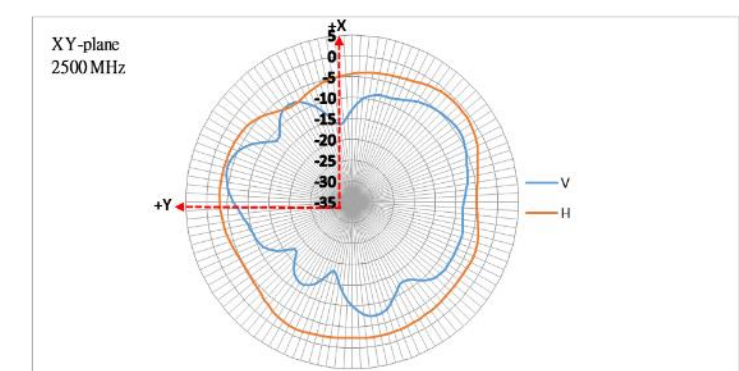
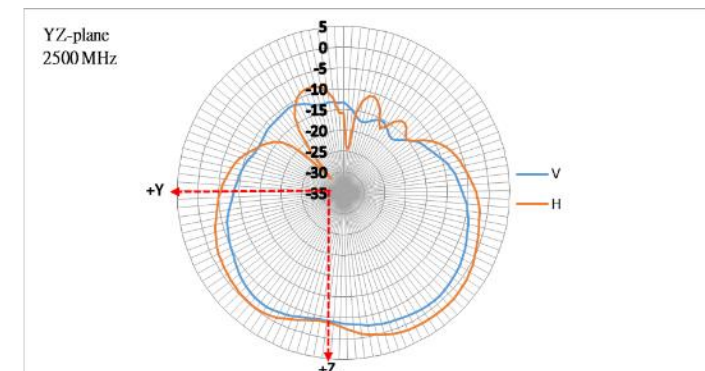
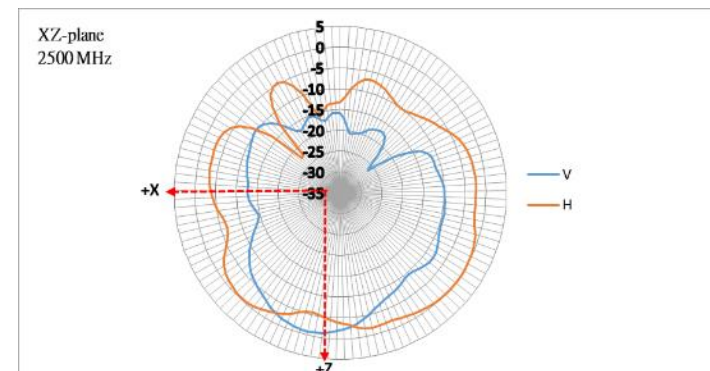
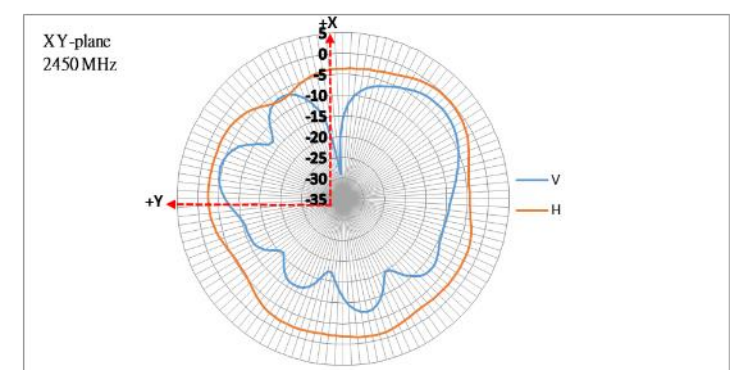
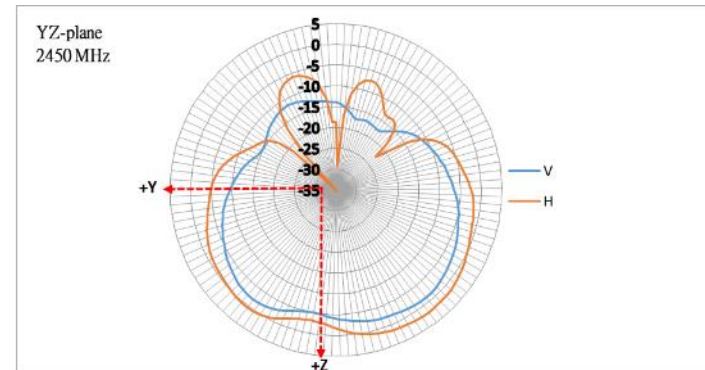
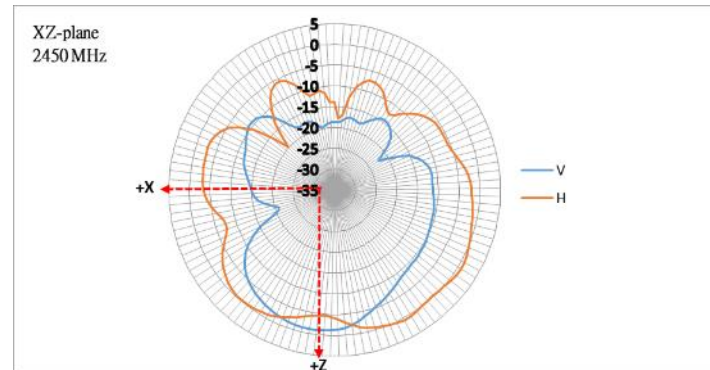
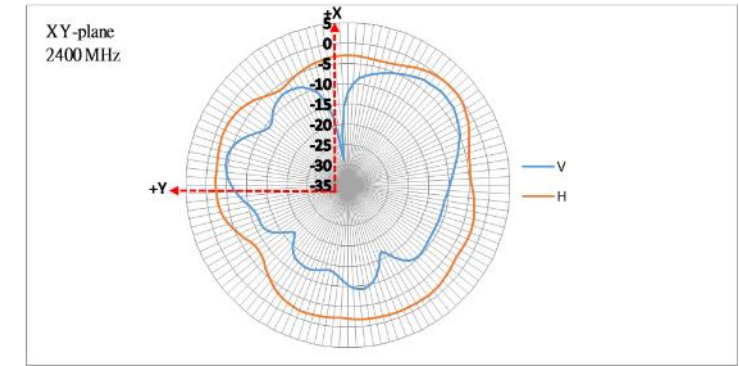
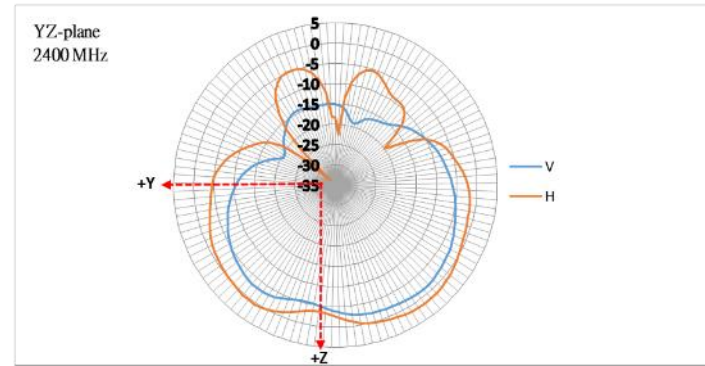
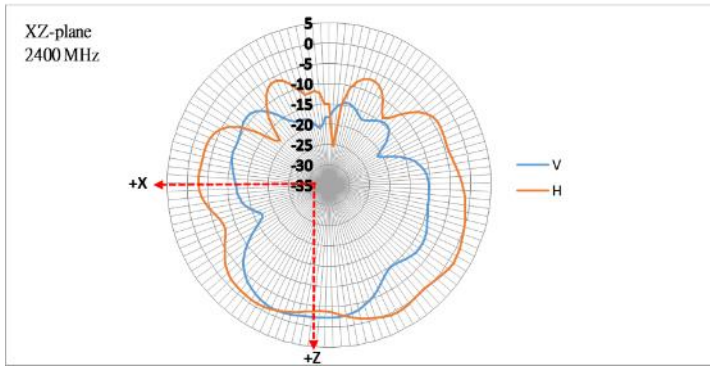
6G-1 Gain Table

6G1												
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	-11.11	-9.70	-11.11	-5.58	-2.57	-5.58	-3.82	-9.85	-6.56	-0.13	3.75	1.55
6000.00	-11.55	-9.36	-11.55	-5.34	-3.47	-5.34	-3.23	-9.61	-6.35	0.75	3.27	2.18
6125.00	-11.83	-10.08	-11.83	-2.66	-1.69	-2.66	-2.96	-8.25	-5.96	0.43	3.36	3.06
6225.00	-11.65	-9.68	-11.65	-3.75	-3.93	-3.75	-2.94	-7.80	-5.90	0.04	3.53	3.33
6325.00	-12.81	-9.59	-12.81	-6.36	-4.09	-6.36	-3.10	-8.28	-5.60	0.63	3.18	2.26
6425.00	-12.54	-9.77	-12.54	-6.18	-3.29	-6.18	-3.23	-9.22	-5.82	0.96	2.36	1.98
6525.00	-10.58	-9.67	-10.58	-3.63	-2.56	-3.63	-3.05	-8.06	-4.81	0.80	2.77	2.71
6625.00	-9.39	-9.34	-9.39	-3.20	-2.49	-3.20	-3.22	-7.51	-4.00	1.04	3.67	4.06
6725.00	-10.45	-9.13	-10.45	-3.78	-3.56	-3.78	-3.42	-8.48	-4.39	0.18	3.16	4.09
6875.00	-10.26	-10.26	-10.26	-4.88	-3.89	-4.88	-4.35	-9.11	-4.55	0.60	3.14	3.01
6925.00	-9.91	-10.39	-9.91	-4.23	-4.08	-4.23	-4.57	-9.13	-4.29	0.97	2.99	3.21
7000.00	-9.52	-10.73	-9.52	-3.95	-3.32	-3.95	-4.56	-9.07	-3.90	0.64	2.91	3.49
7125.00	-10.11	-11.79	-10.11	-4.97	-3.48	-4.97	-4.00	-8.90	-4.11	-0.31	2.70	3.24

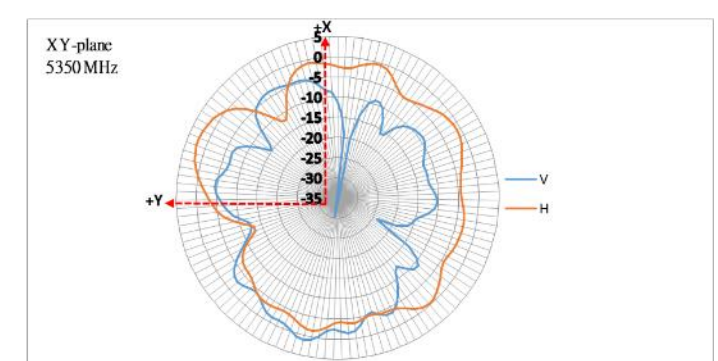
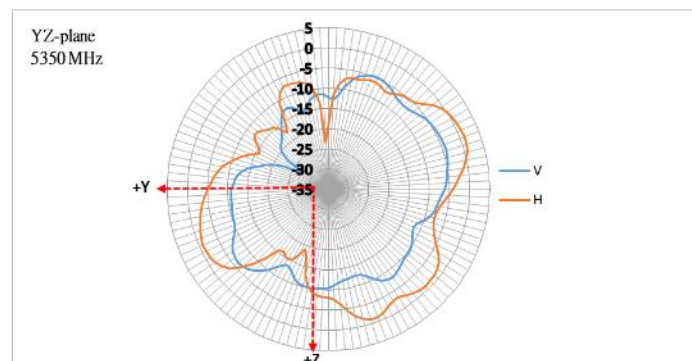
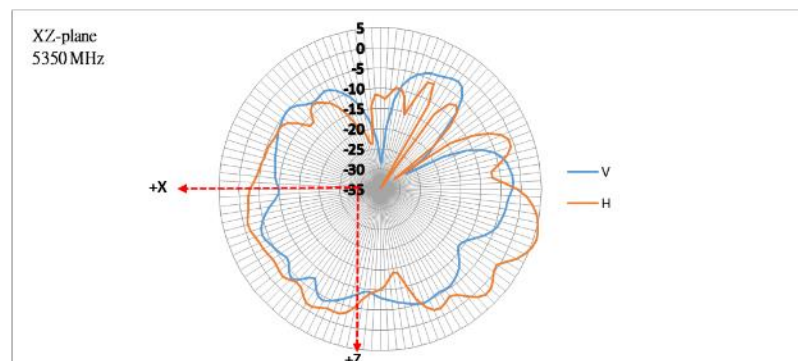
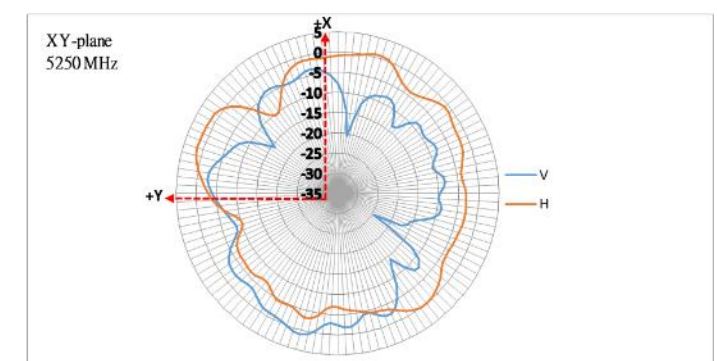
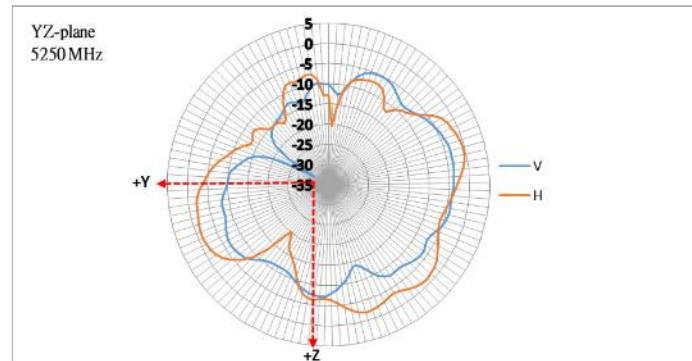
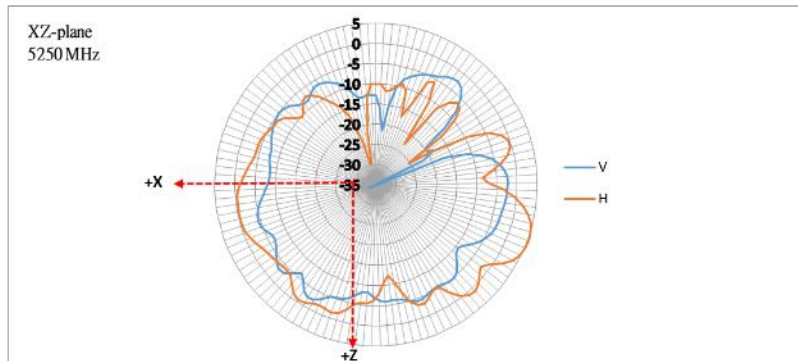
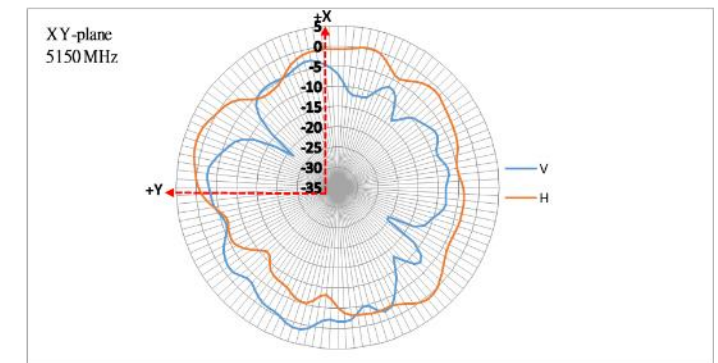
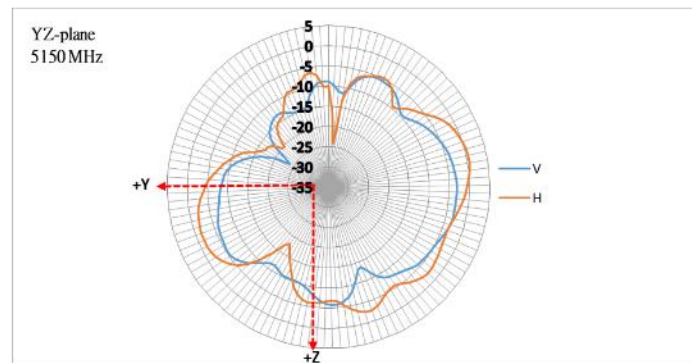
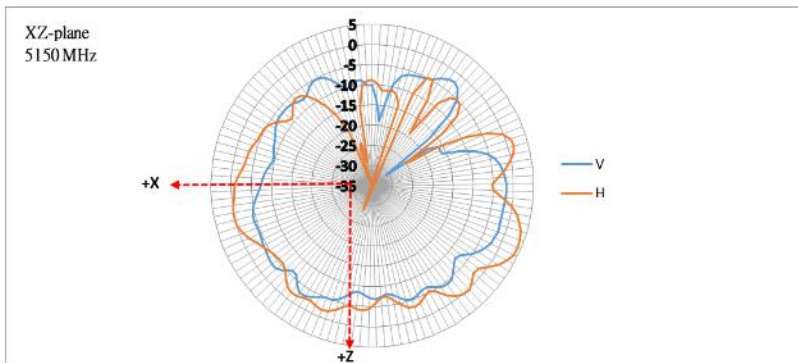
6G-2 Gain Table

6G2												
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	-12.13	-12.44	-12.13	-4.07	-7.15	-4.07	-4.44	-9.63	-8.36	-0.48	-1.69	-0.23
6000.00	-12.64	-12.63	-12.64	-4.29	-6.84	-4.29	-4.34	-10.10	-8.52	0.17	-1.20	0.90
6125.00	-12.68	-13.44	-12.68	-3.32	-6.63	-3.32	-4.37	-10.36	-7.89	-0.45	-1.41	1.11
6225.00	-12.67	-14.30	-12.67	-2.49	-6.82	-2.49	-4.07	-10.39	-7.75	-0.84	-2.81	-0.17
6325.00	-12.87	-15.73	-12.87	-1.70	-8.49	-1.70	-4.30	-10.53	-8.02	-0.87	-2.86	-0.39
6425.00	-13.42	-17.71	-13.42	-2.47	-10.74	-2.47	-5.34	-11.34	-8.40	-0.77	-2.97	1.01
6525.00	-13.16	-18.47	-13.16	-3.00	-10.93	-3.00	-5.39	-11.91	-7.91	-0.34	-2.84	2.45
6625.00	-13.11	-18.90	-13.11	-2.48	-10.61	-2.48	-5.35	-13.24	-8.32	-0.20	-3.80	2.65
6725.00	-13.88	-18.93	-13.88	-2.66	-10.95	-2.66	-5.79	-15.14	-8.87	0.36	-4.82	2.50
6875.00	-14.51	-18.42	-14.51	-2.47	-9.77	-2.47	-6.96	-16.56	-9.61	0.40	-8.68	2.75
6925.00	-14.56	-19.29	-14.56	-2.55	-10.53	-2.55	-7.25	-17.62	-10.12	0.26	-10.23	2.33
7000.00	-14.55	-19.97	-14.55	-2.56	-10.31	-2.56	-7.44	-18.72	-10.51	0.57	-10.89	1.59
7125.00	-14.58	-19.81	-14.58	-1.63	-10.50	-1.63	-7.55	-19.10	-11.01	0.81	-10.36	1.01

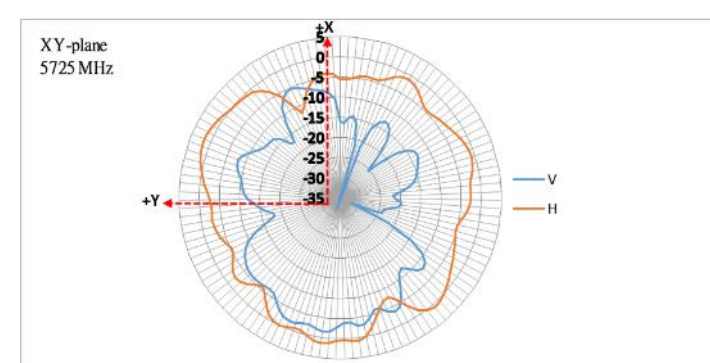
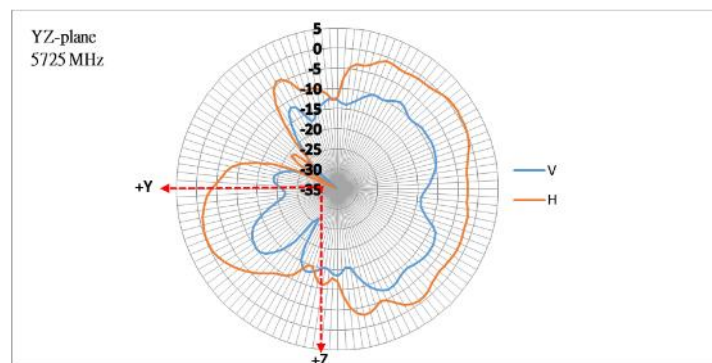
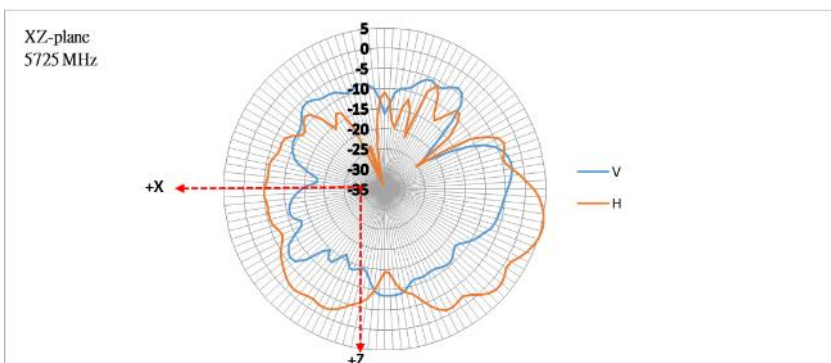
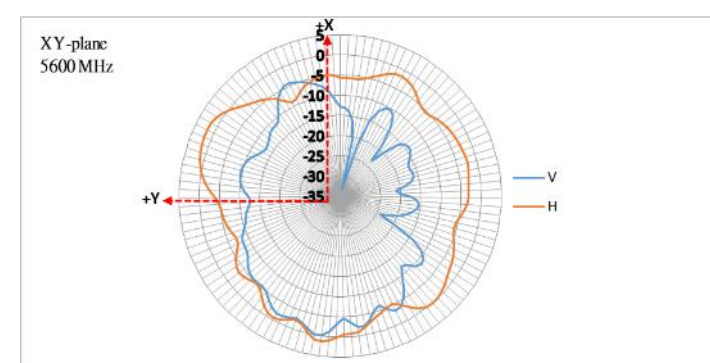
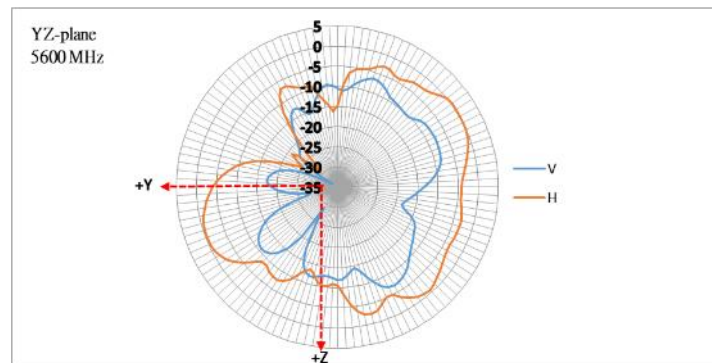
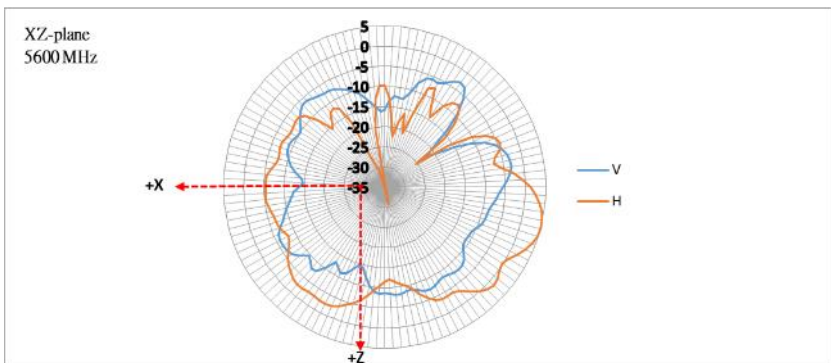
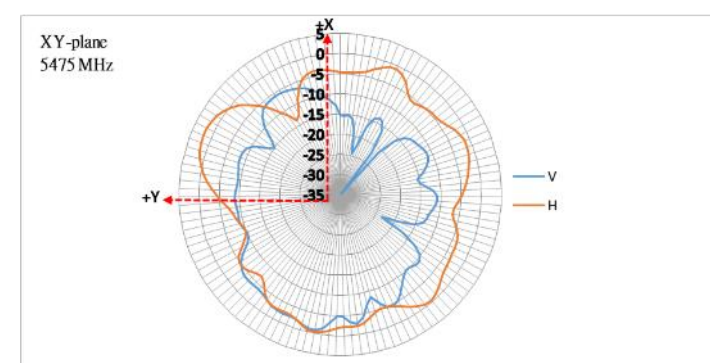
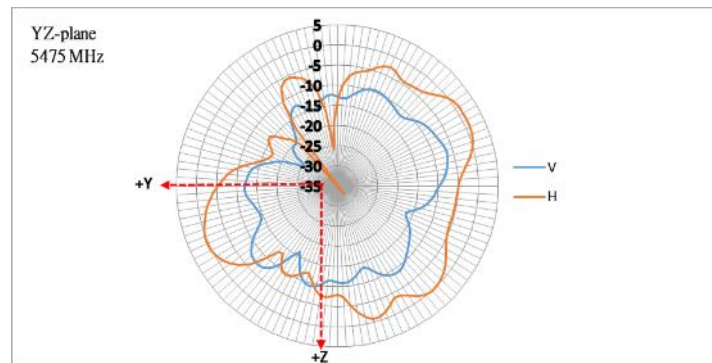
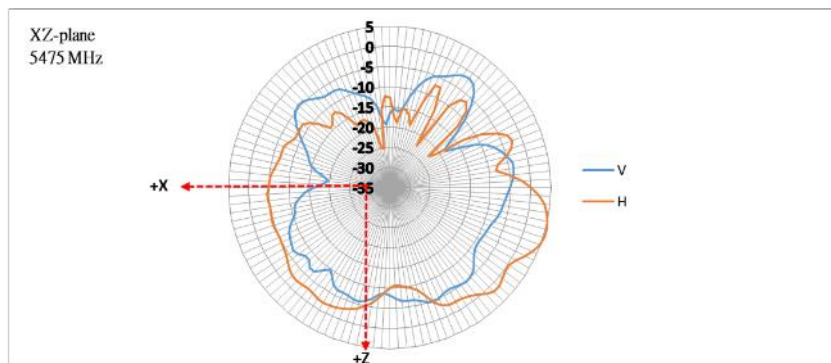
2G-1 V&H Pattern 2400MHz~2500MHz



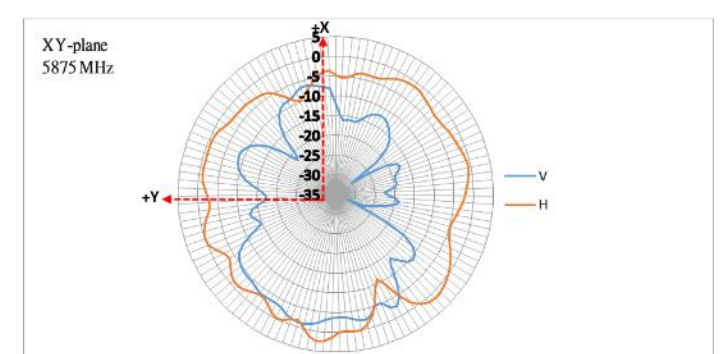
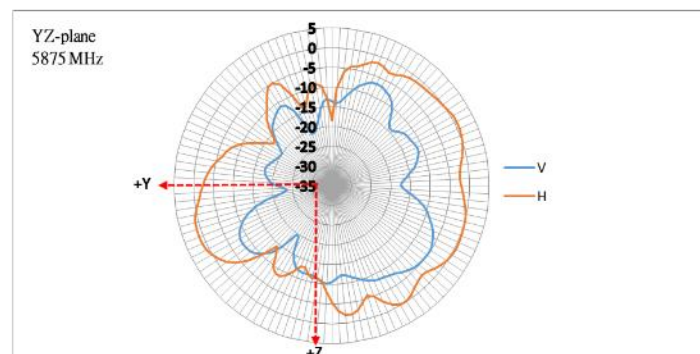
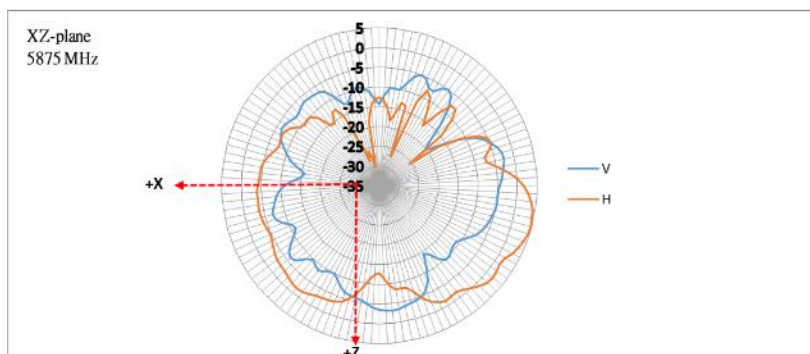
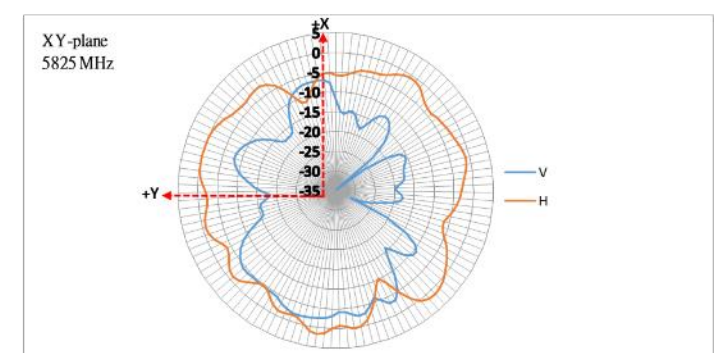
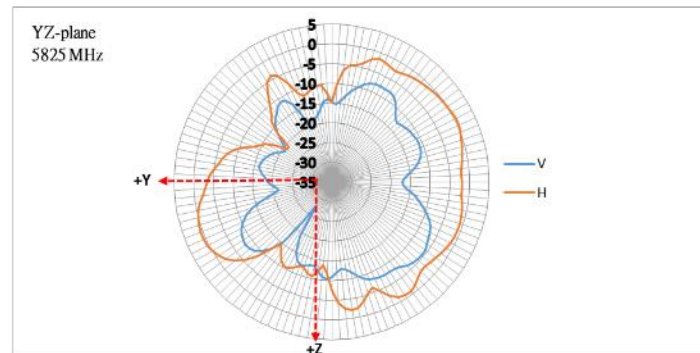
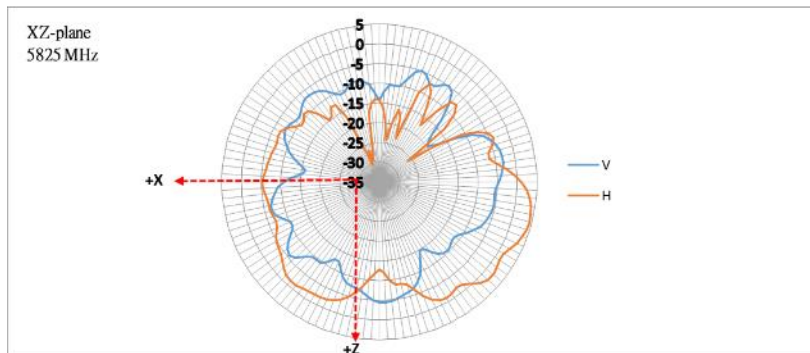
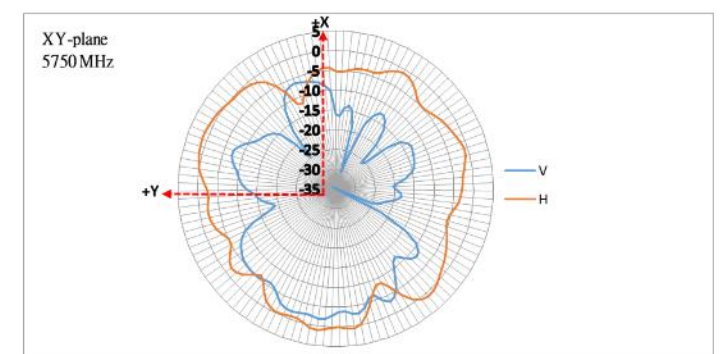
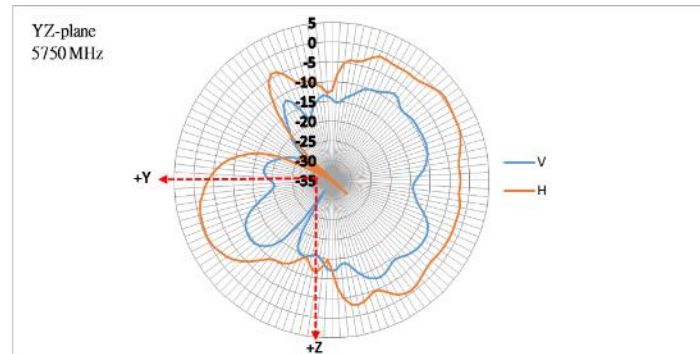
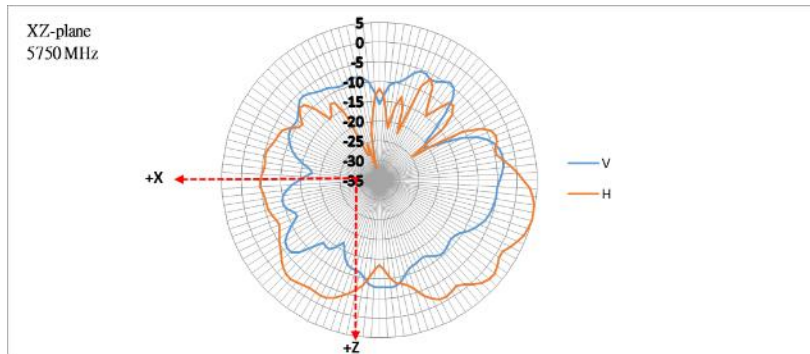
5G-1 V&H Pattern 5150MHz~5350MHz



5G-1 V&H Pattern 5475MHz~5725MHz

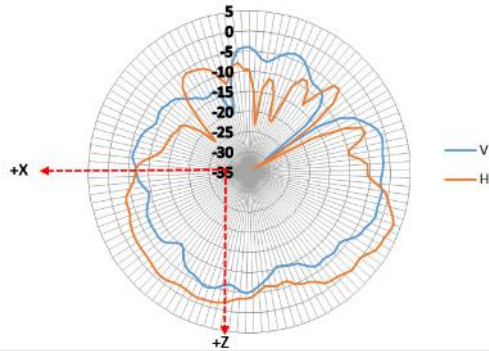


5G-1 V&H Pattern 5750MHz~5875MHz

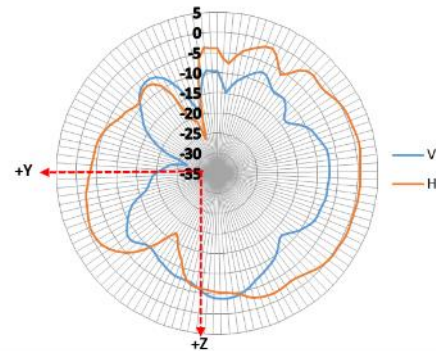


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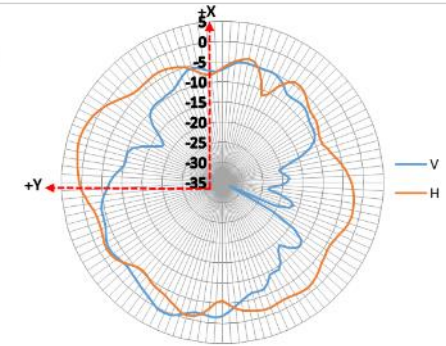
XZ-plane
5150 MHz



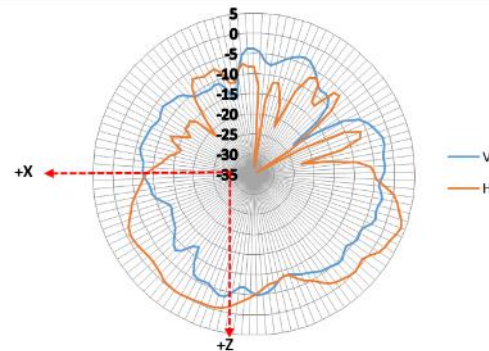
YZ-plane
5150 MHz



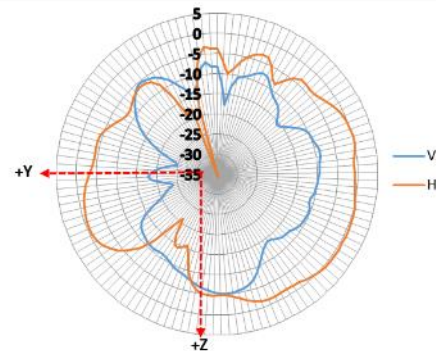
XY-plane
5150 MHz



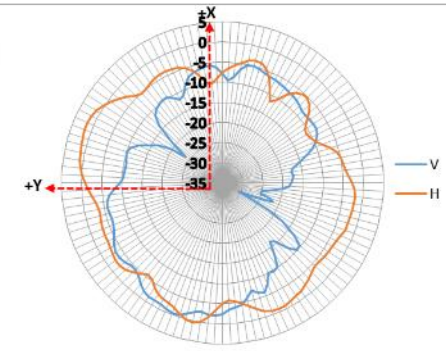
XZ-plane
5250 MHz



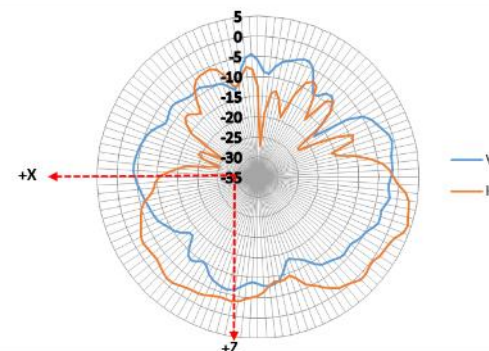
YZ-plane
5250 MHz



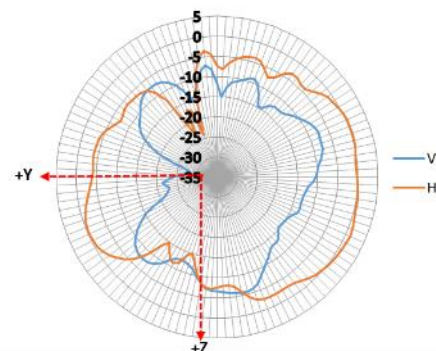
XY-plane
5250 MHz



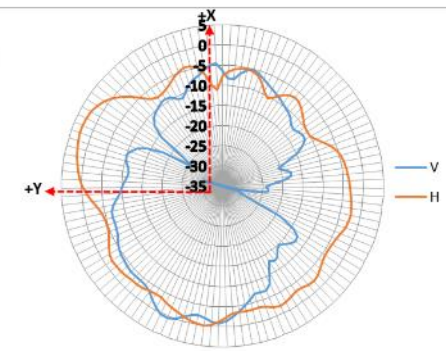
XZ-plane
5350 MHz



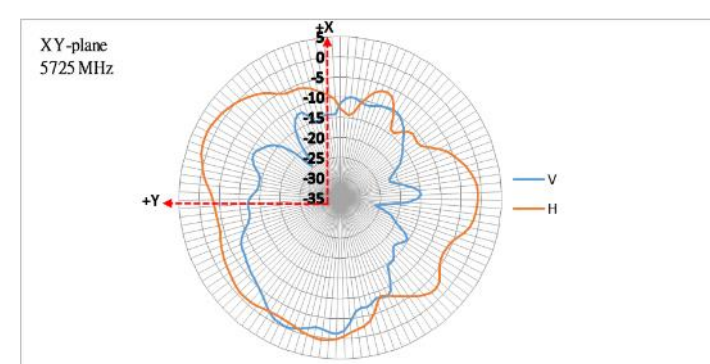
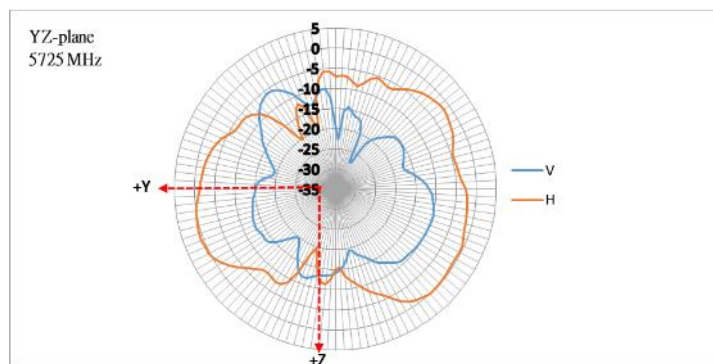
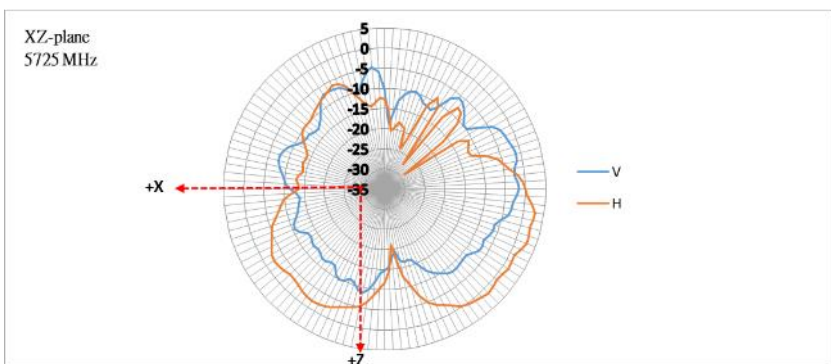
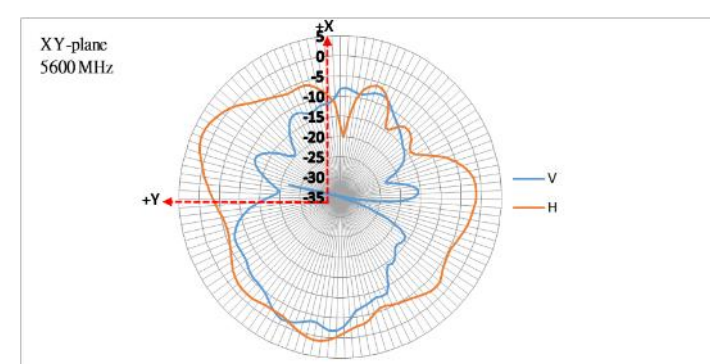
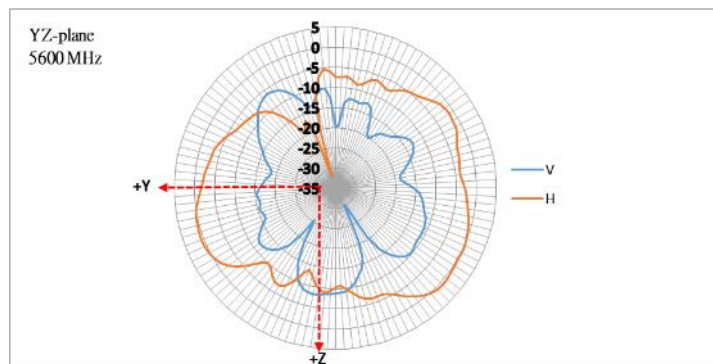
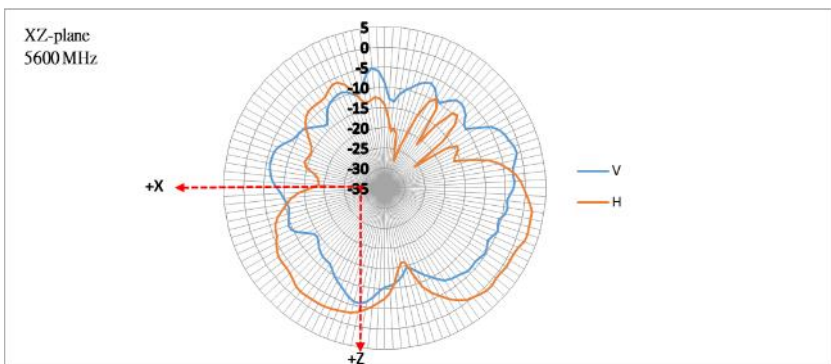
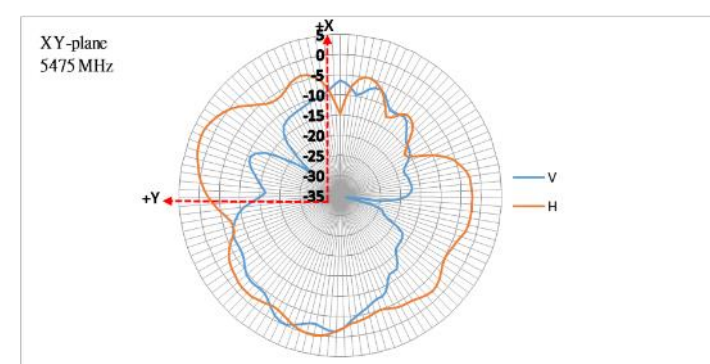
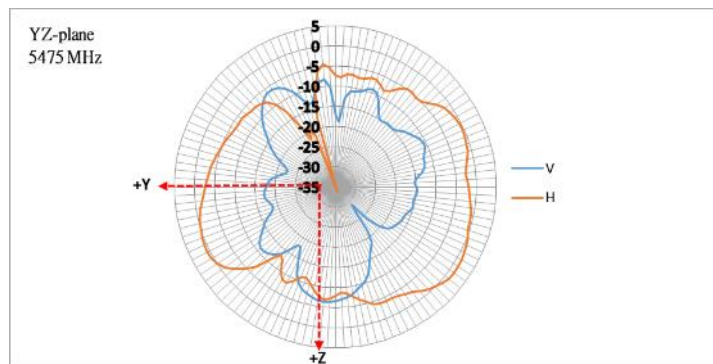
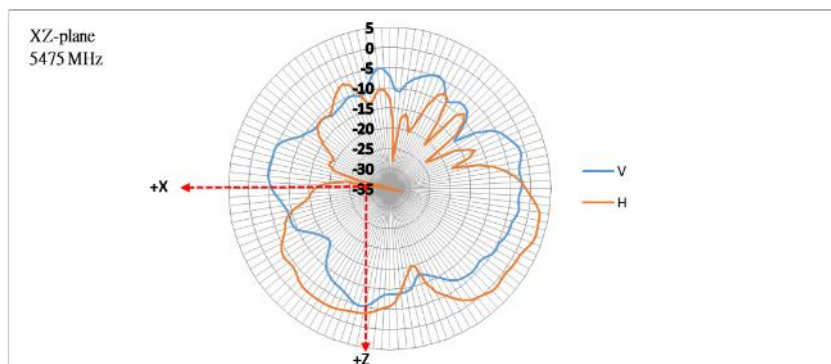
YZ-plane
5350 MHz



XY-plane
5350 MHz

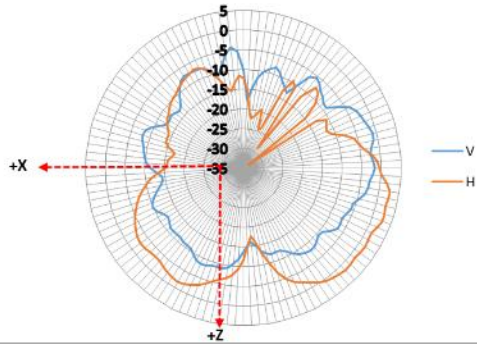


5G-2 V&H Pattern 5475MHz~5725MHz

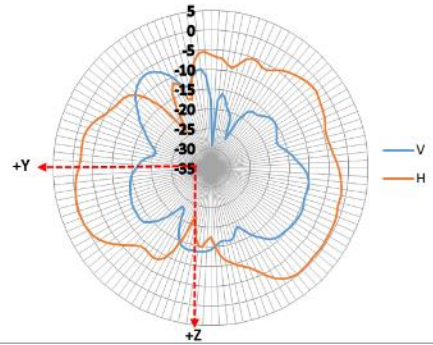


5G-2 V&H Pattern 5750MHz~5875MHz

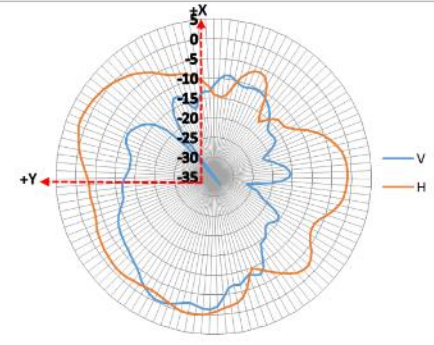
XZ-plane
5750MHz



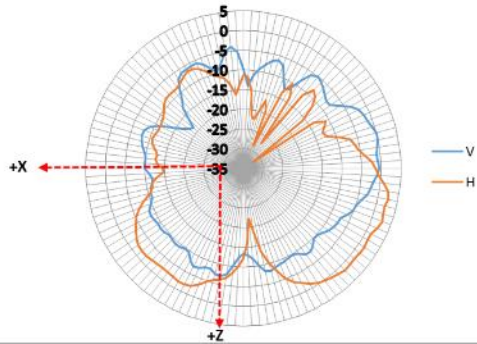
YZ-plane
5750MHz



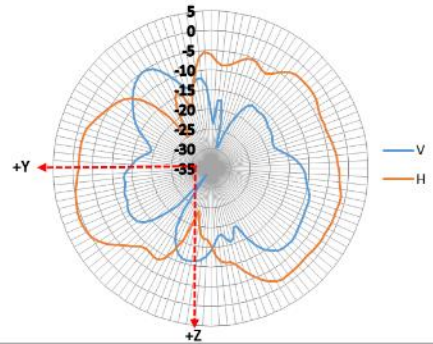
XY-plane
5750MHz



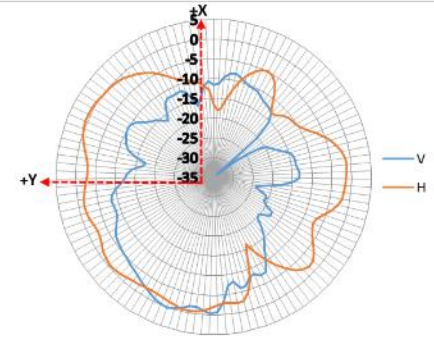
XZ-plane
5825 MHz



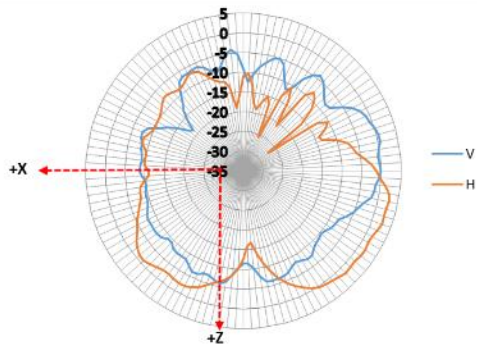
YZ-plane
5825 MHz



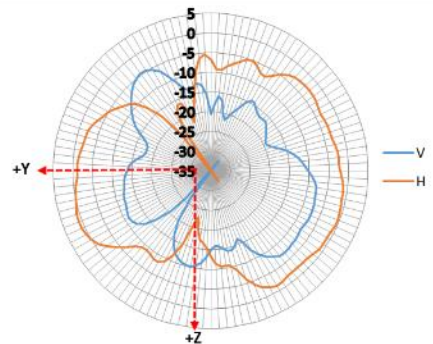
XY-plane
5825 MHz



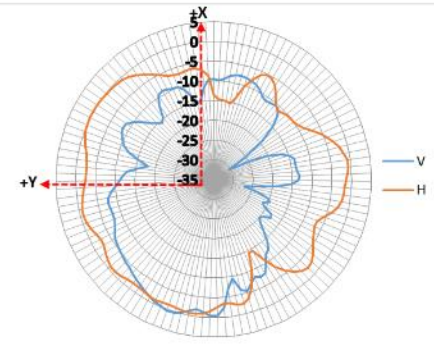
XZ-plane
5875 MHz



YZ-plane
5875 MHz

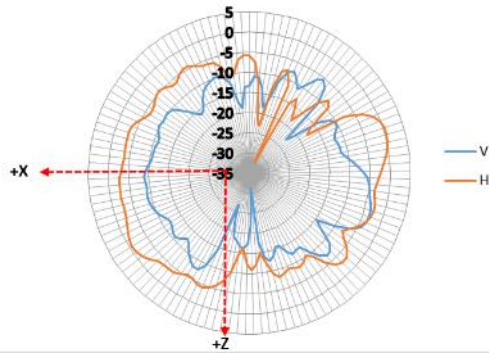


XY-plane
5875 MHz

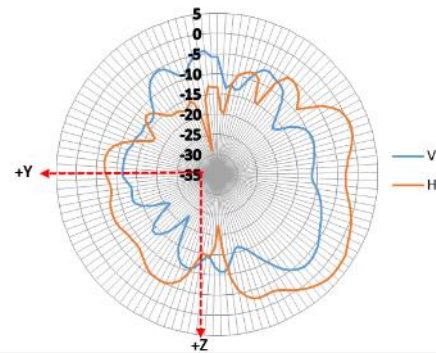


6G-1 V&H Pattern 5925MHz~6125MHz

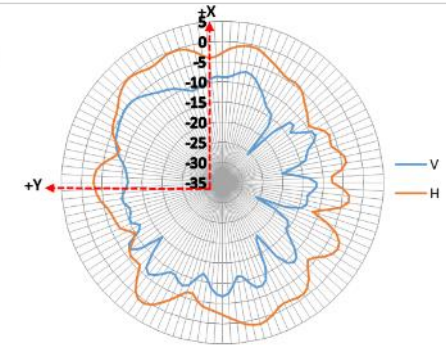
XZ-plane
5925 MHz



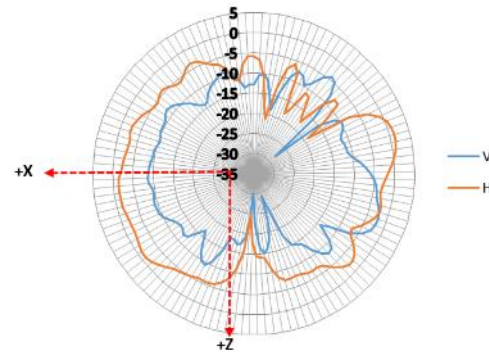
YZ-plane
5925 MHz



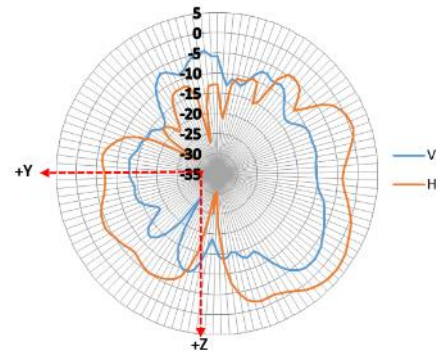
XY-plane
5925 MHz



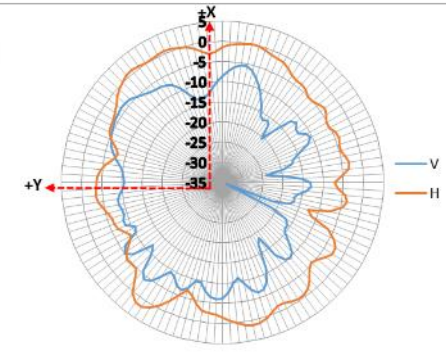
XZ-plane
6000 MHz



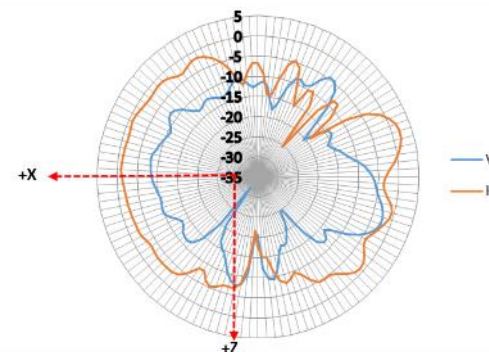
YZ-plane
6000 MHz



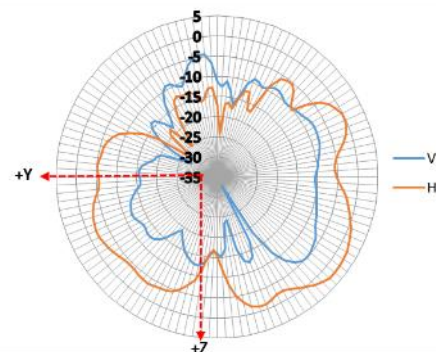
XY-plane
6000 MHz



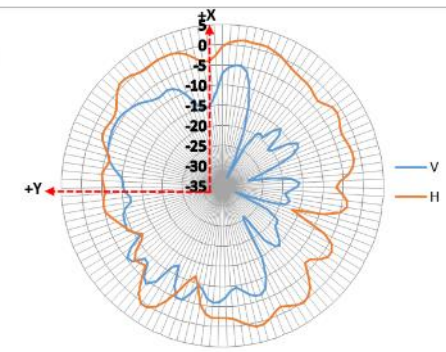
XZ-plane
6125 MHz



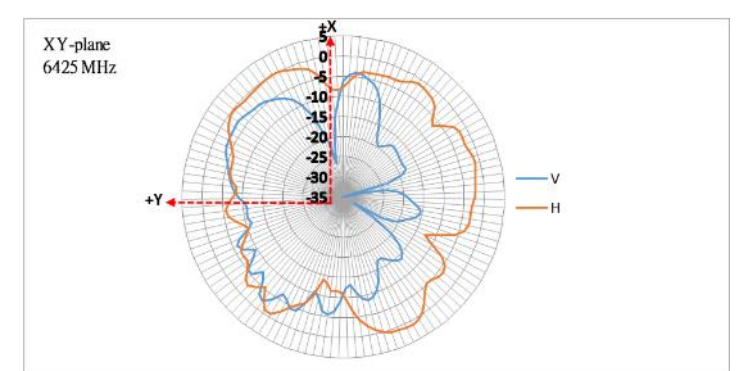
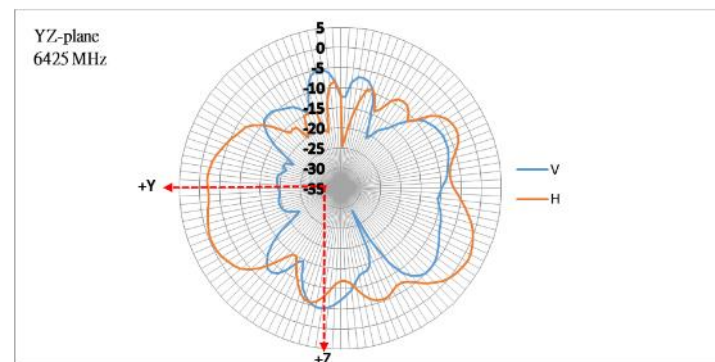
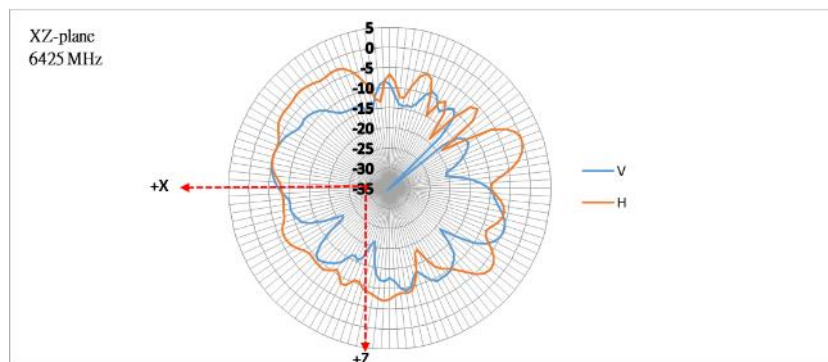
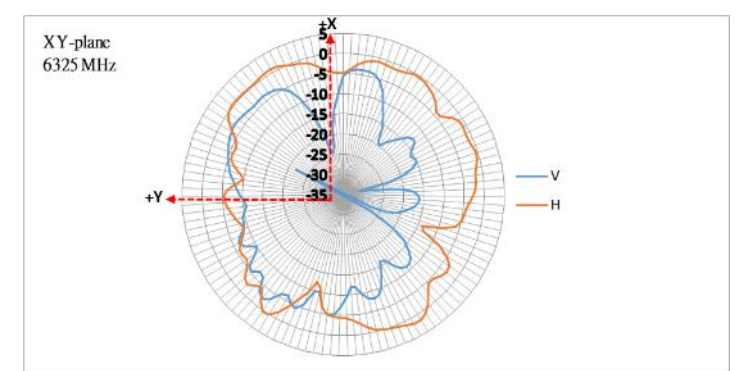
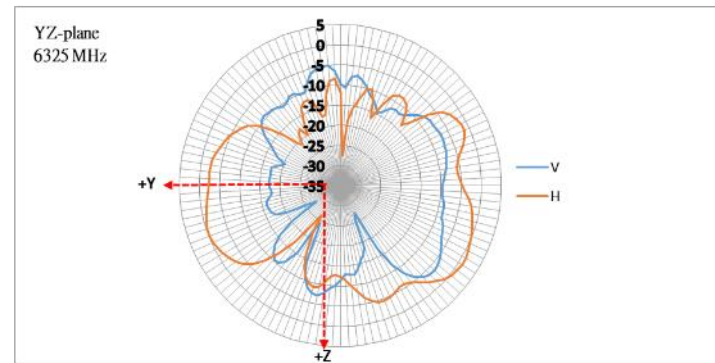
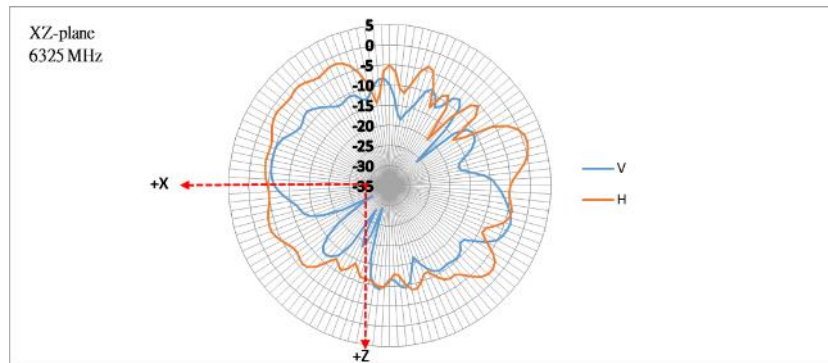
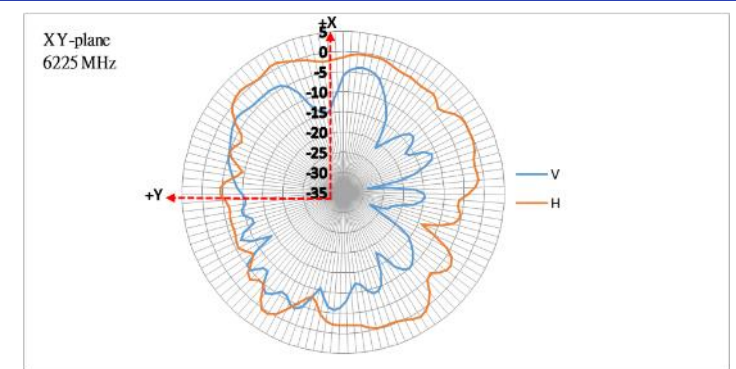
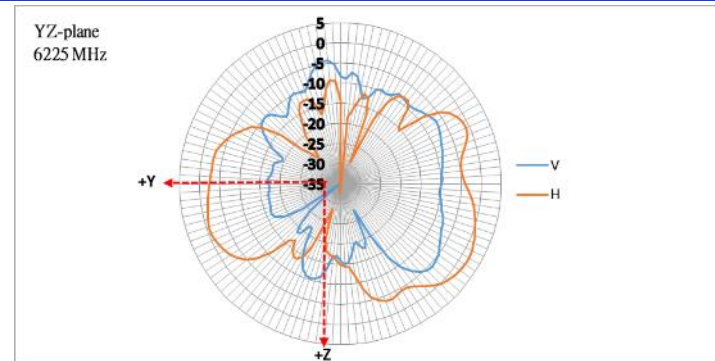
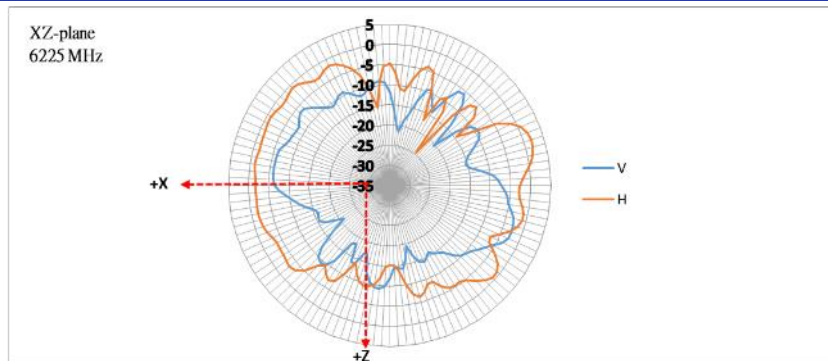
YZ-plane
6125 MHz



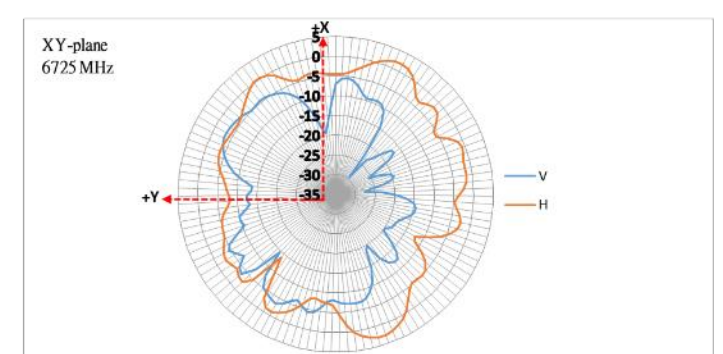
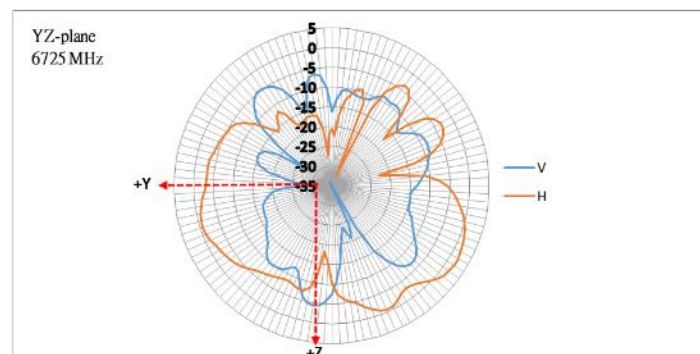
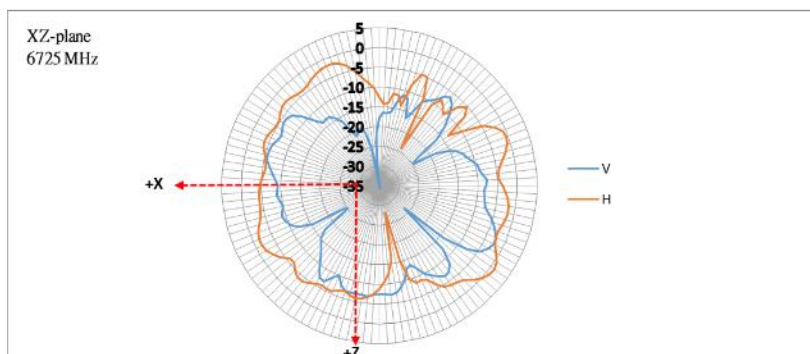
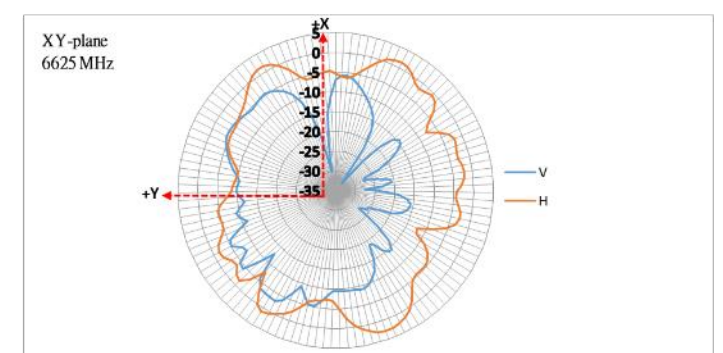
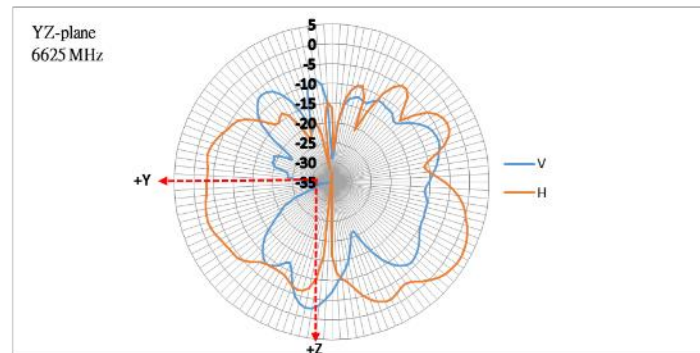
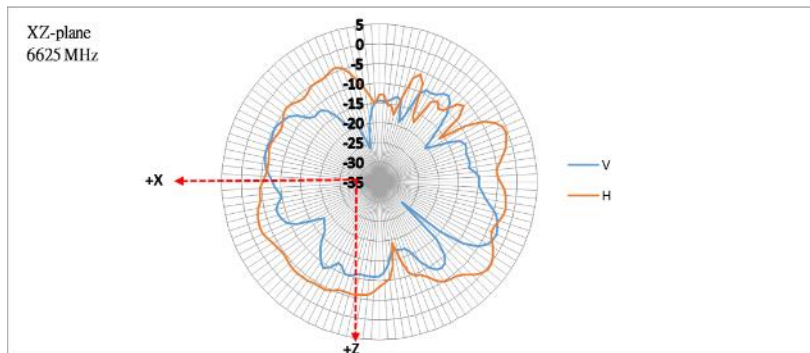
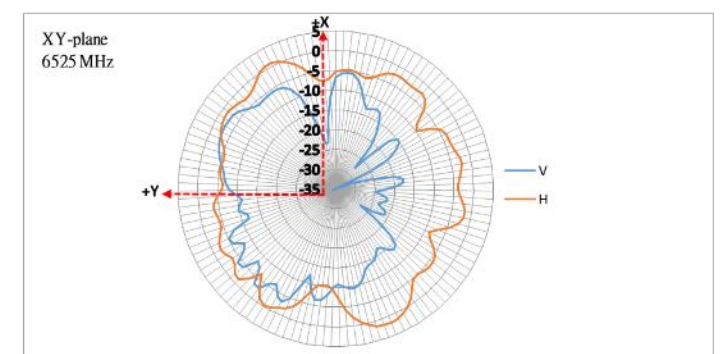
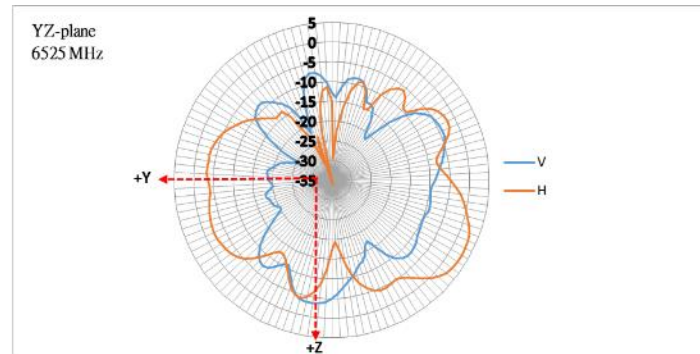
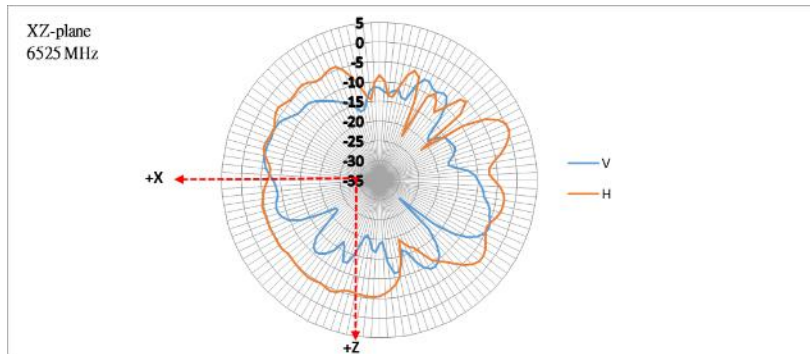
XY-plane
6125 MHz



6G-1 V&H Pattern 6225MHz~6425MHz

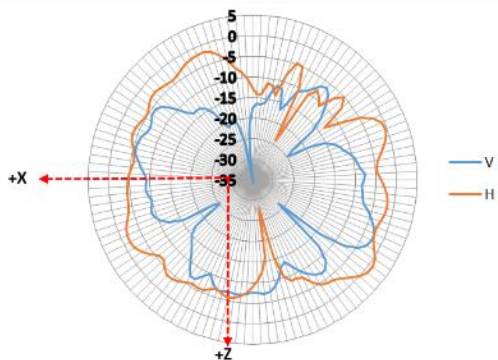


6G-1 V&H Pattern 6525MHz~6725MHz

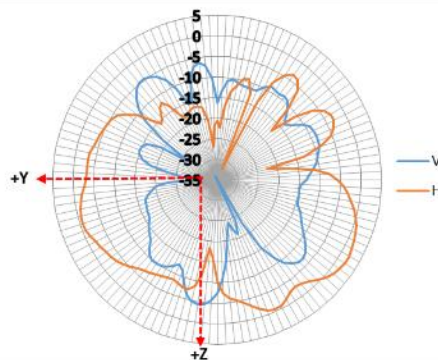


6G-1 V&H Pattern 6875MHz~7000MHz

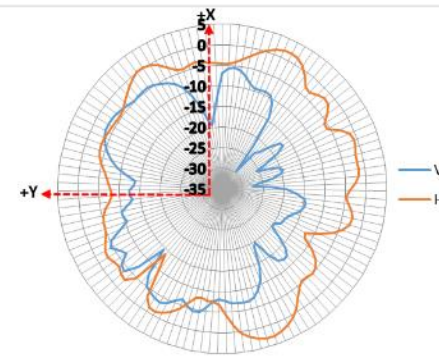
XZ-plane
6875 MHz



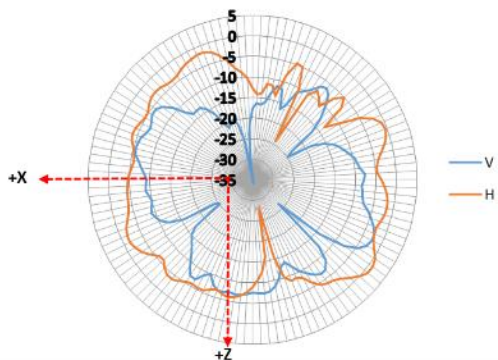
YZ-plane
6875 MHz



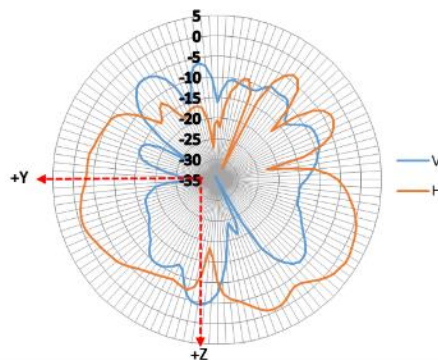
XY-plane
6875 MHz



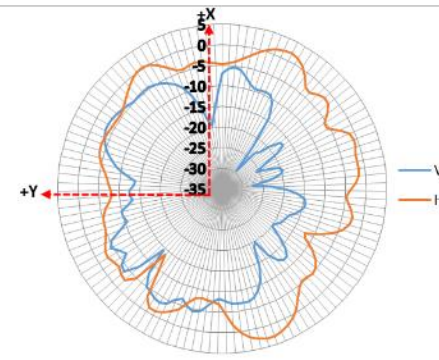
XZ-plane
6925 MHz



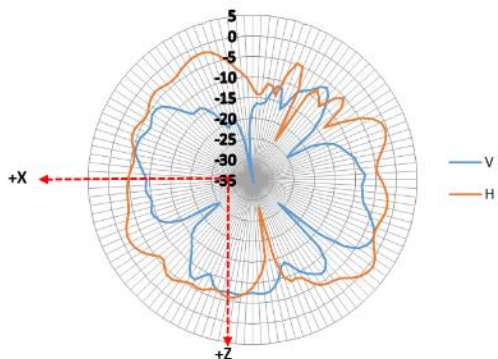
YZ-plane
6925 MHz



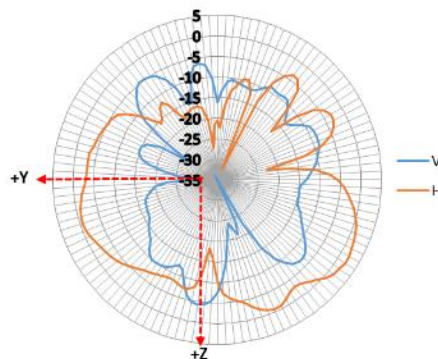
XY-plane
6925 MHz



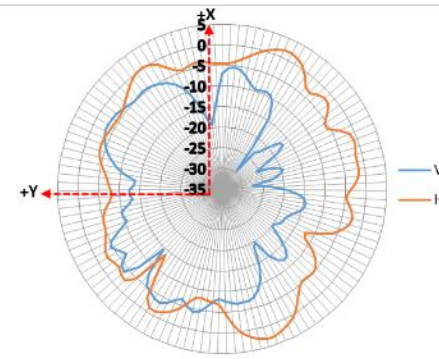
XZ-plane
7000 MHz



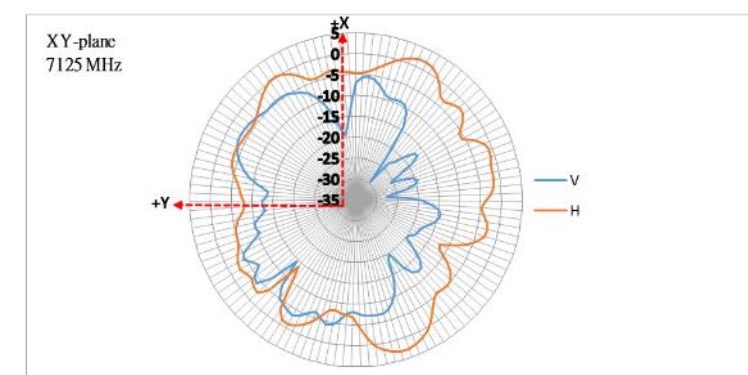
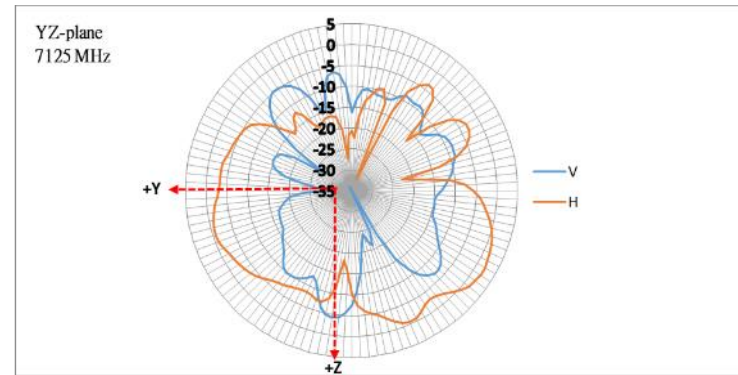
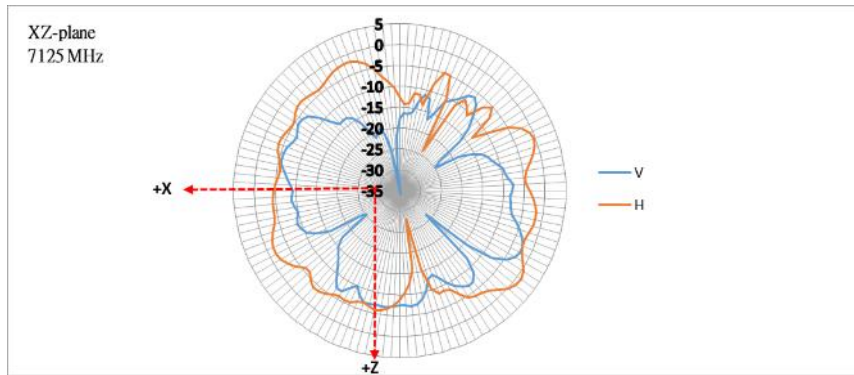
YZ-plane
7000 MHz



XY-plane
7000 MHz

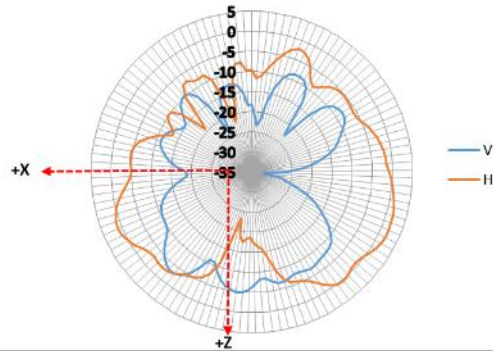


6G-1 V&H Pattern 7125MHz

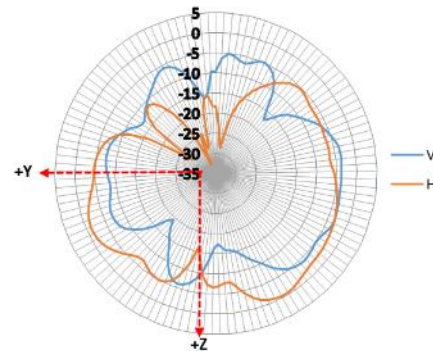


6G-2 V&H Pattern 5925MHz~6125MHz

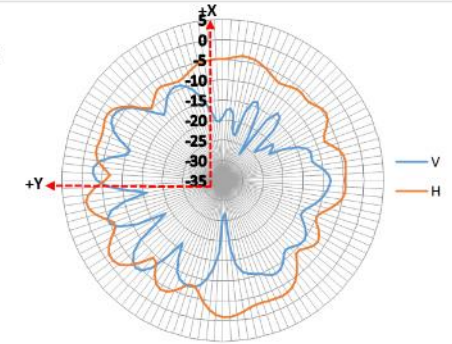
XZ-plane
5925 MHz



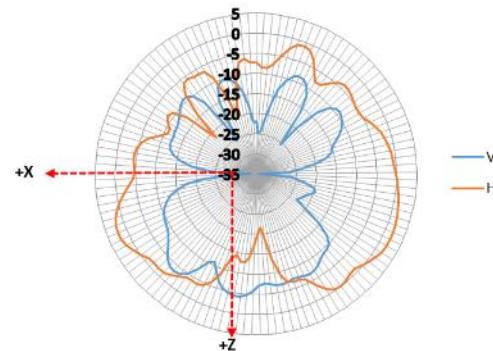
YZ-plane
5925 MHz



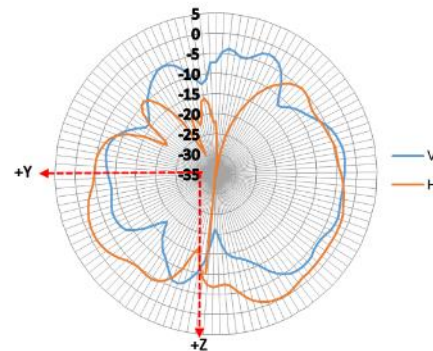
XY-plane
5925 MHz



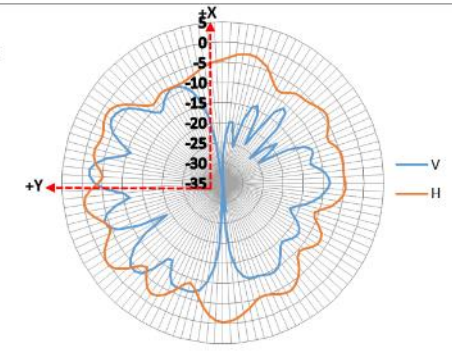
XZ-plane
6000 MHz



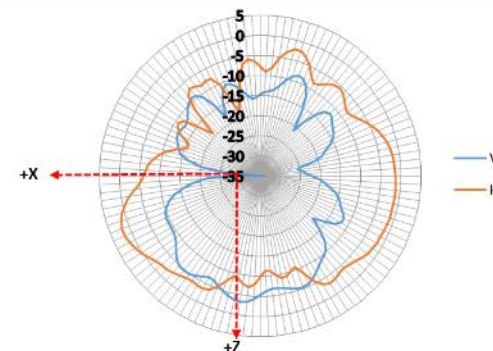
YZ-plane
6000 MHz



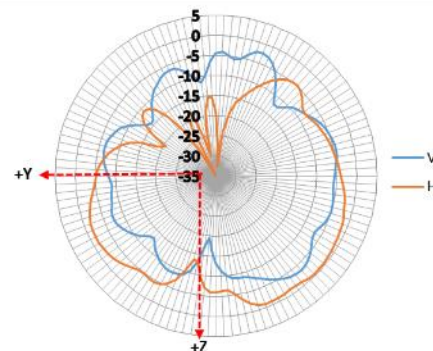
XY-plane
6000 MHz



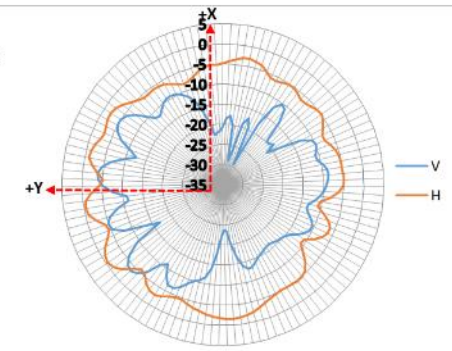
XZ-plane
6125 MHz



YZ-plane
6125 MHz

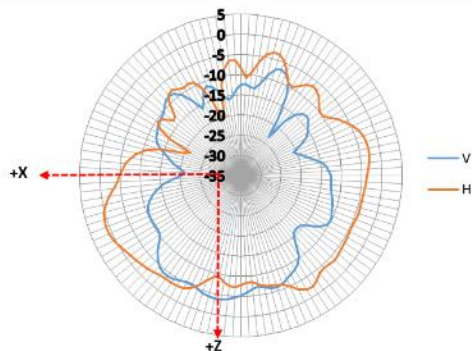


XY-plane
6125 MHz

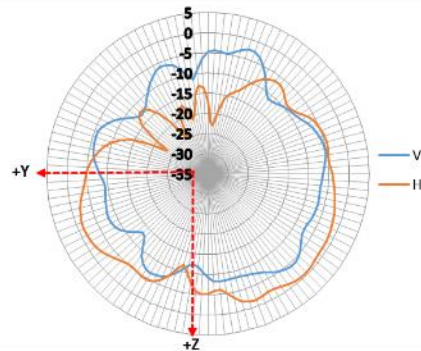


6G-2 V&H Pattern 6225MHz~6425MHz

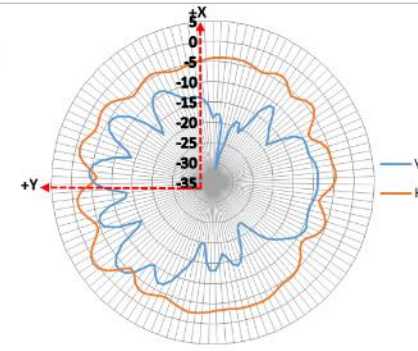
XZ-plane
6225 MHz



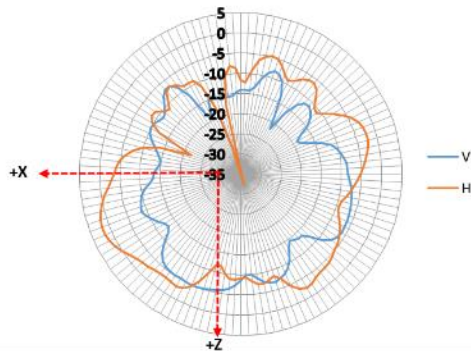
YZ-plane
6225 MHz



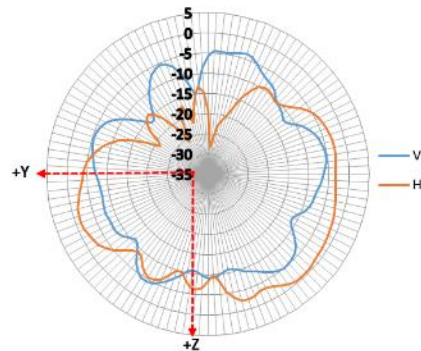
XY-plane
6225 MHz



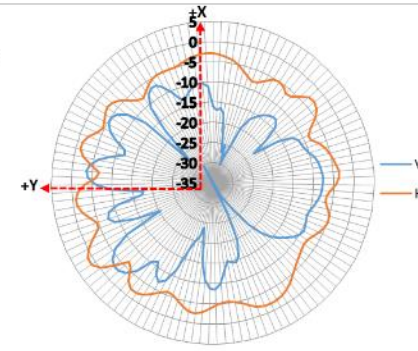
XZ-plane
6325 MHz



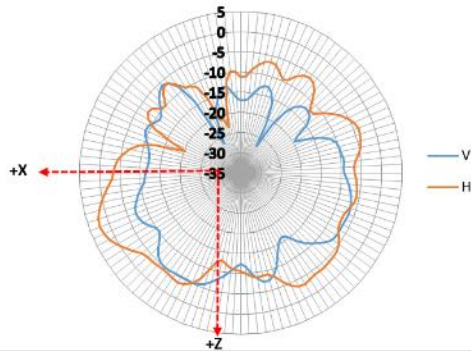
YZ-plane
6325 MHz



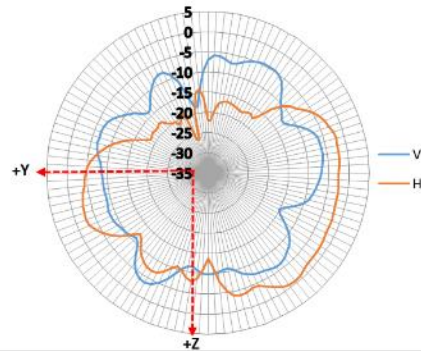
XY-plane
6325 MHz



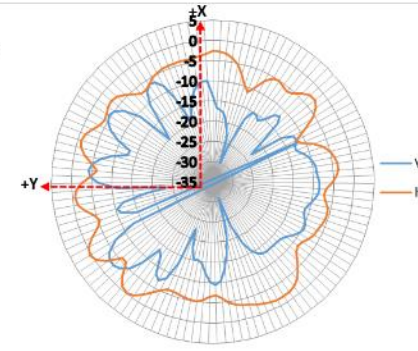
XZ-plane
6425 MHz



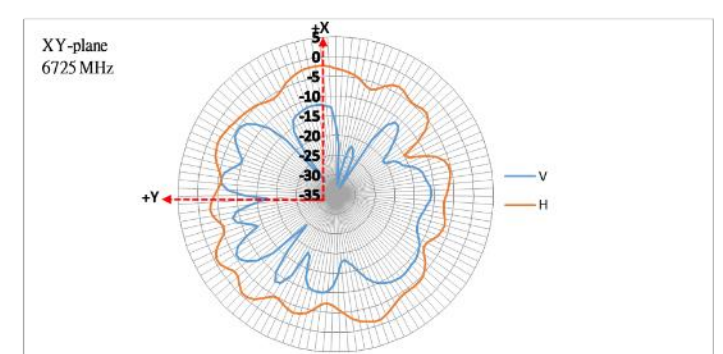
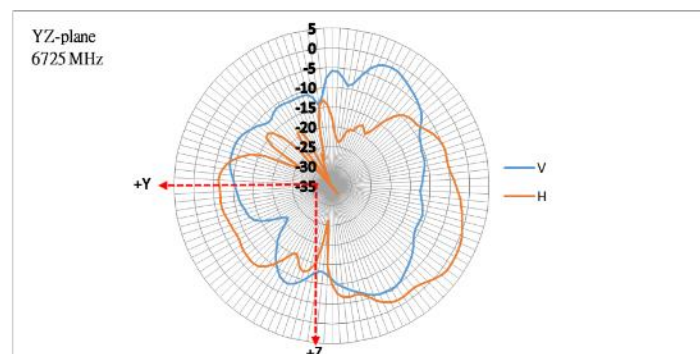
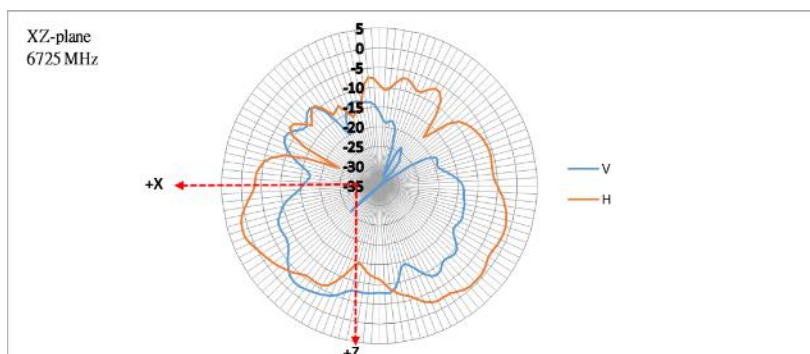
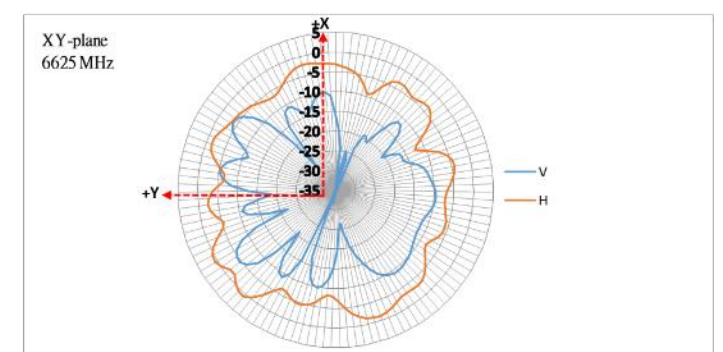
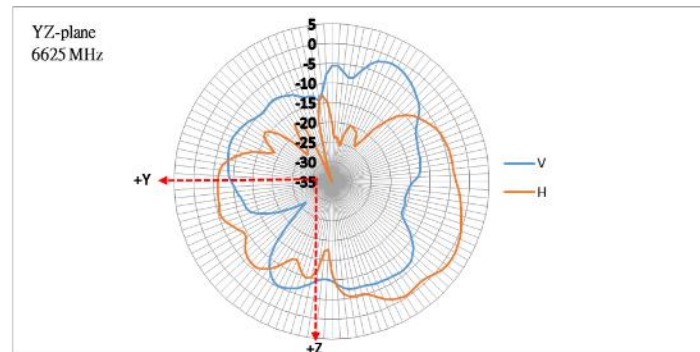
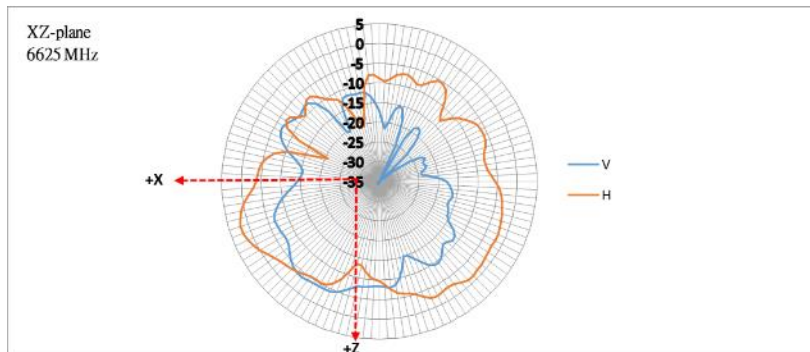
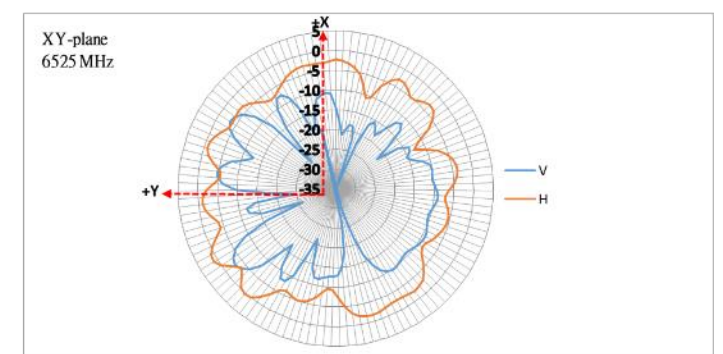
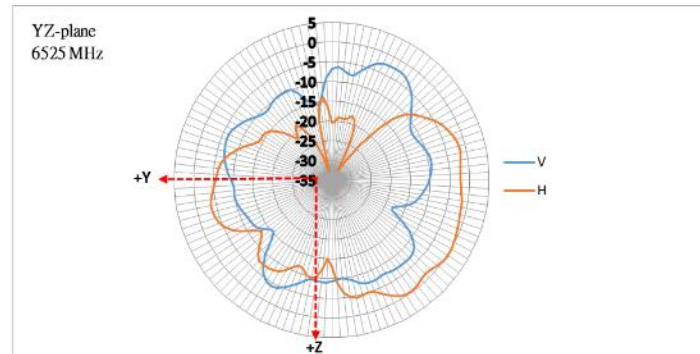
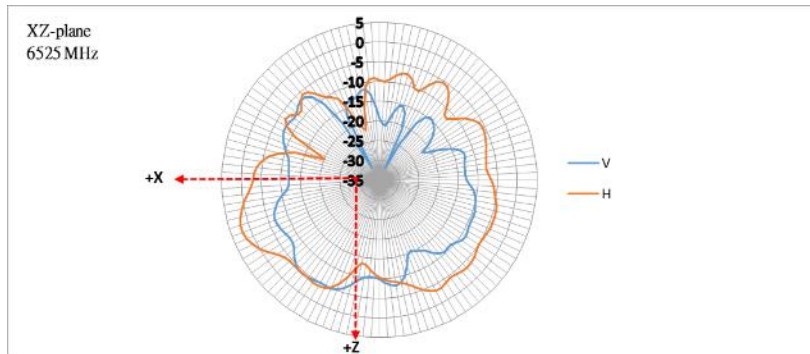
YZ-plane
6425 MHz



XY-plane
6425 MHz

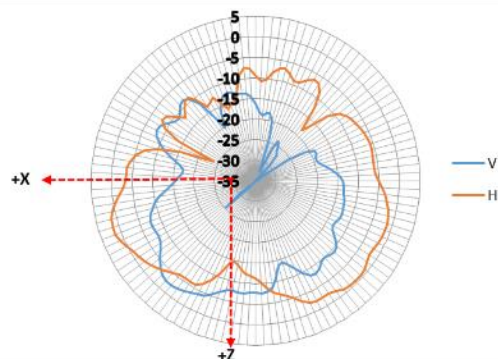


6G-2 V&H Pattern 6525MHz~6725MHz

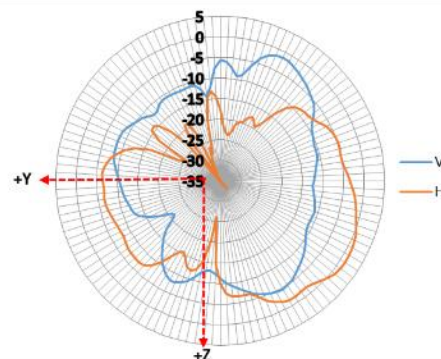


6G-2 V&H Pattern 6875MHz~7000MHz

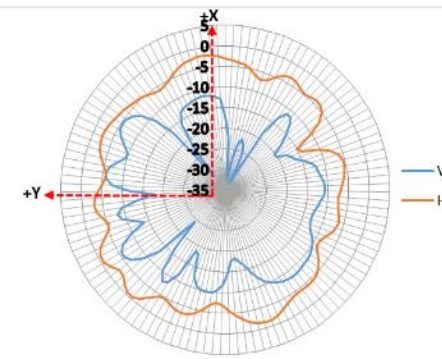
XZ-plane
6875 MHz



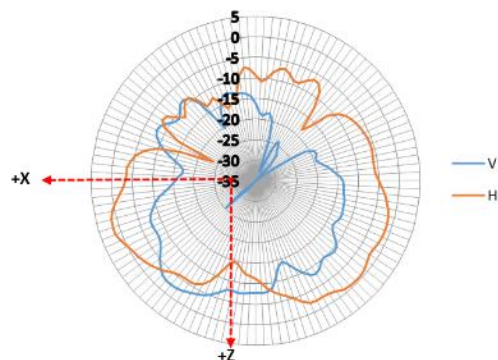
YZ-plane
6875 MHz



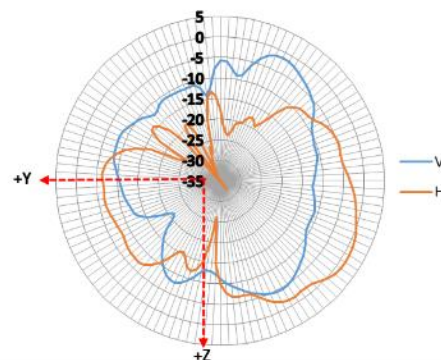
XY-plane
6875 MHz



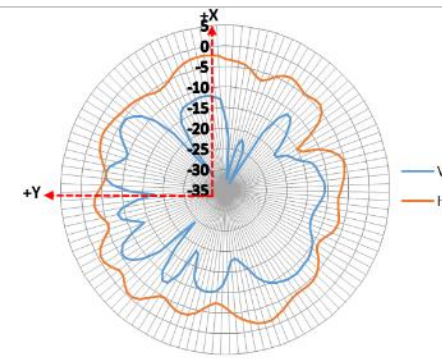
XZ-plane
6925 MHz



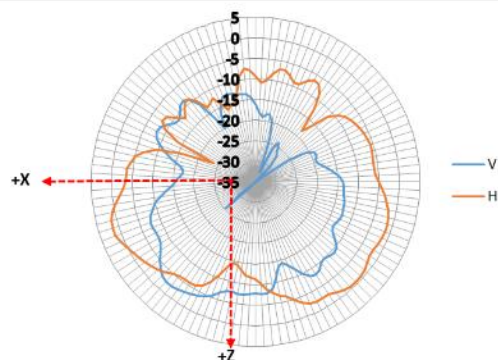
YZ-plane
6925 MHz



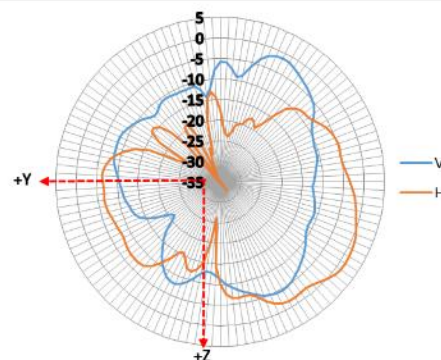
XY-plane
6925 MHz



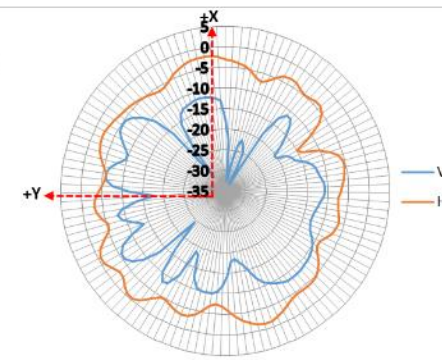
XZ-plane
7000 MHz



YZ-plane
7000 MHz



XY-plane
7000 MHz



6G-2 V&H Pattern 7125MHz

