

Amigo MS60

Apr , 2024

Japan Aviation Electronics

Engineer: Jasper



Antenna information

天線廠牌 : Japan Aviation Electronics (日本航空電子工業株式會社)

台北分公司地址: 內湖區基湖路10巷57號3樓

總公司地址: 台中市工業區20路35號

天線型號 : FPC (內建式軟板天線)

天線型式 : (Antenna Type): Dipole Type (雙極天線/偶極天線)

製造商地址:

JAE Hong Kong Ltd.

Units 1810-1813, Level 18, Tower 1, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong

Ant1 Information



Technology to Inspire Innovation

Antenna Type	Dipole
Frequency(MHz)	2400-2500 5180-5875
Material	FPCB
Connector	MHF
Cable type	1.37Ø
Cable length	60mm
Polarization	Linear



Ant1 Peak gain & Avg Gain & Efficiency



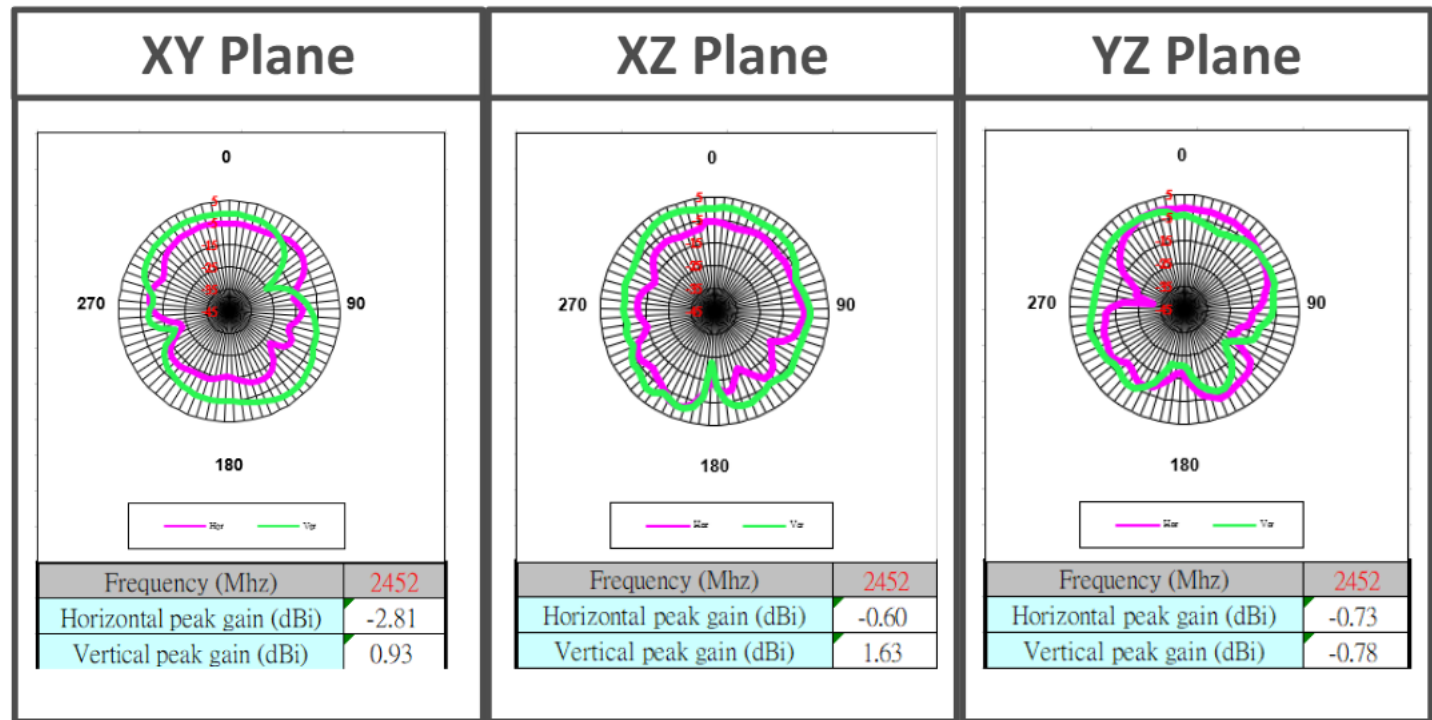
Technology to Inspire Innovation

Frequency(MHz)	Peak Gain(dBi)	3D Avg Gain(dBi)	Efficiency(%)
2412	1.60	-1.33	74
2422	1.69	-1.37	73
2437	1.51	-1.59	69
2442	1.49	-1.63	69
2452	1.55	-1.69	68
2484	1.63	-1.62	69
5180	1.56	-1.32	74
5260	0.86	-1.38	73
5320	0.25	-1.48	71
5500	1.27	-1.76	67
5560	1.20	-1.61	69
5660	0.95	-1.49	71
5700	1.53	-1.45	72
5745	1.56	-1.50	71
5785	1.29	-1.60	69
5805	1.34	-1.61	69
5875	1.56	-1.84	65

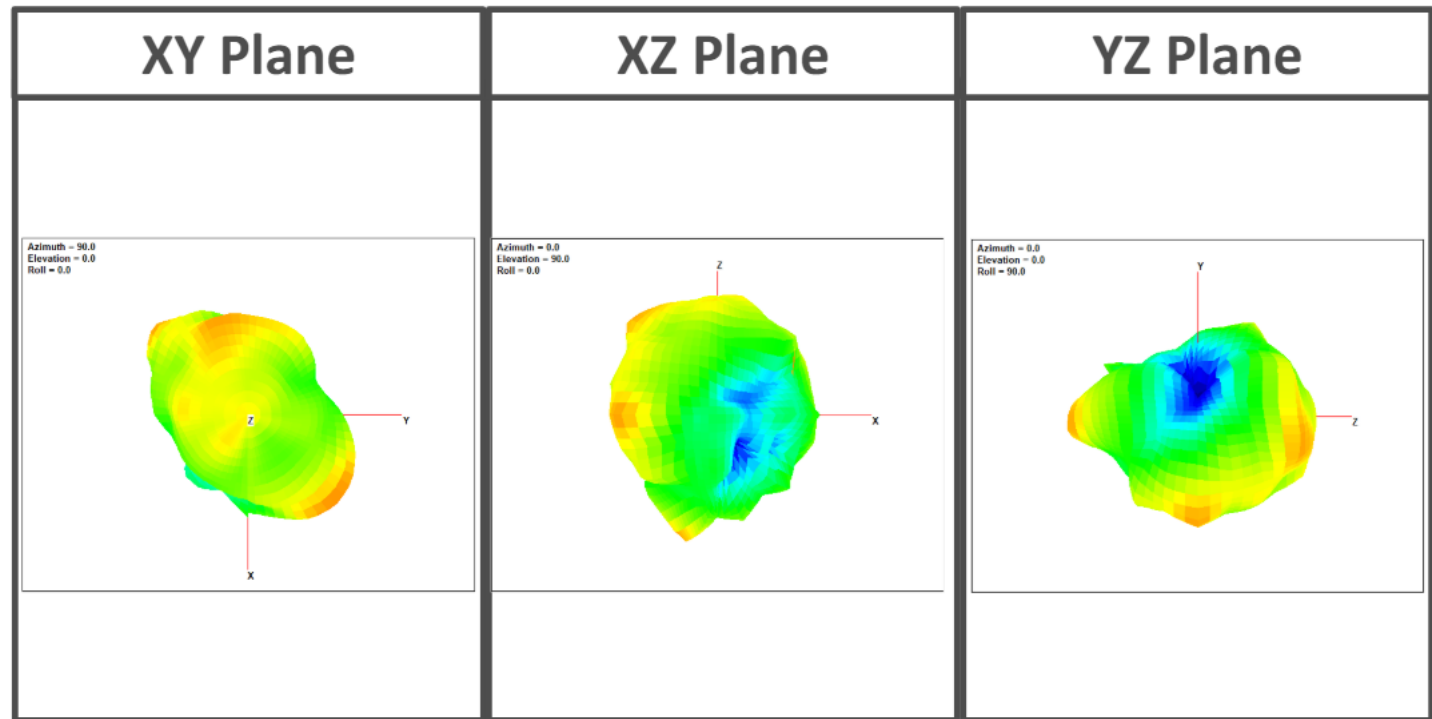


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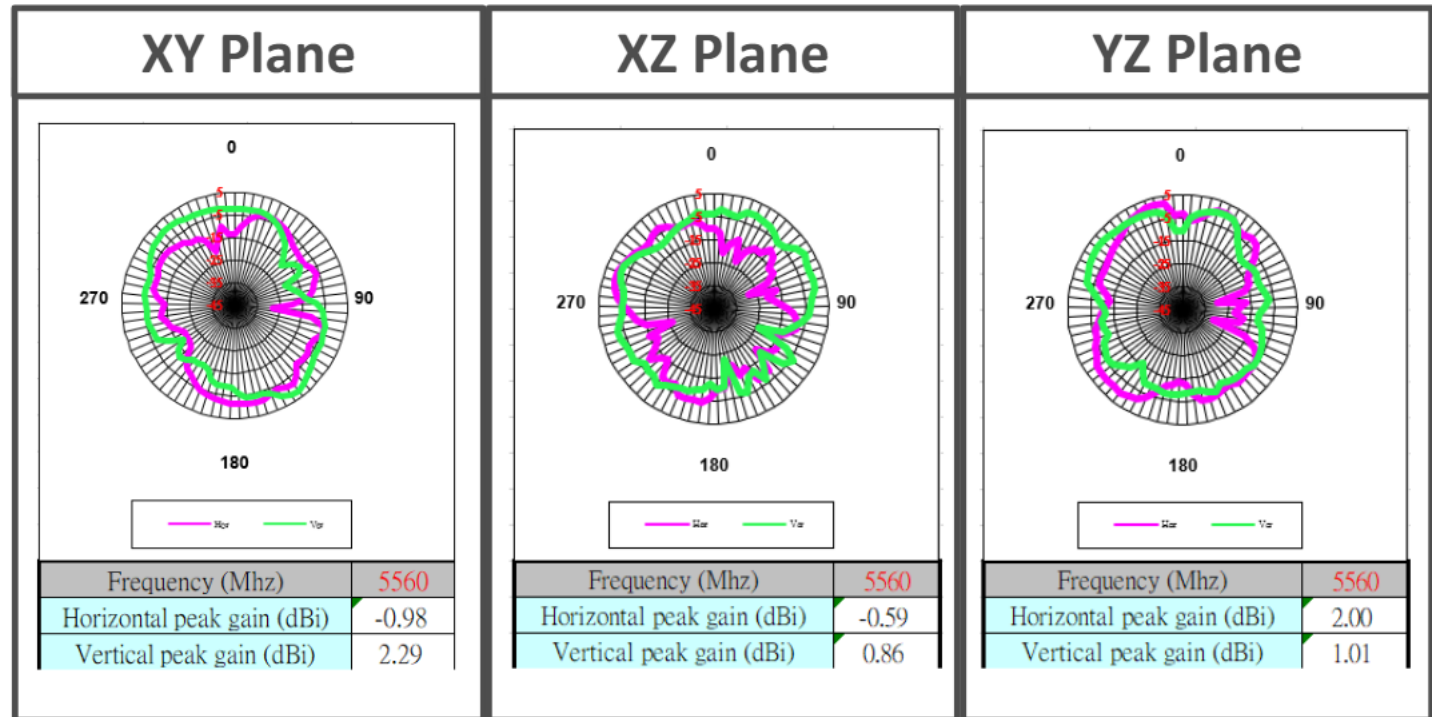
Frequency: **2452** MHz



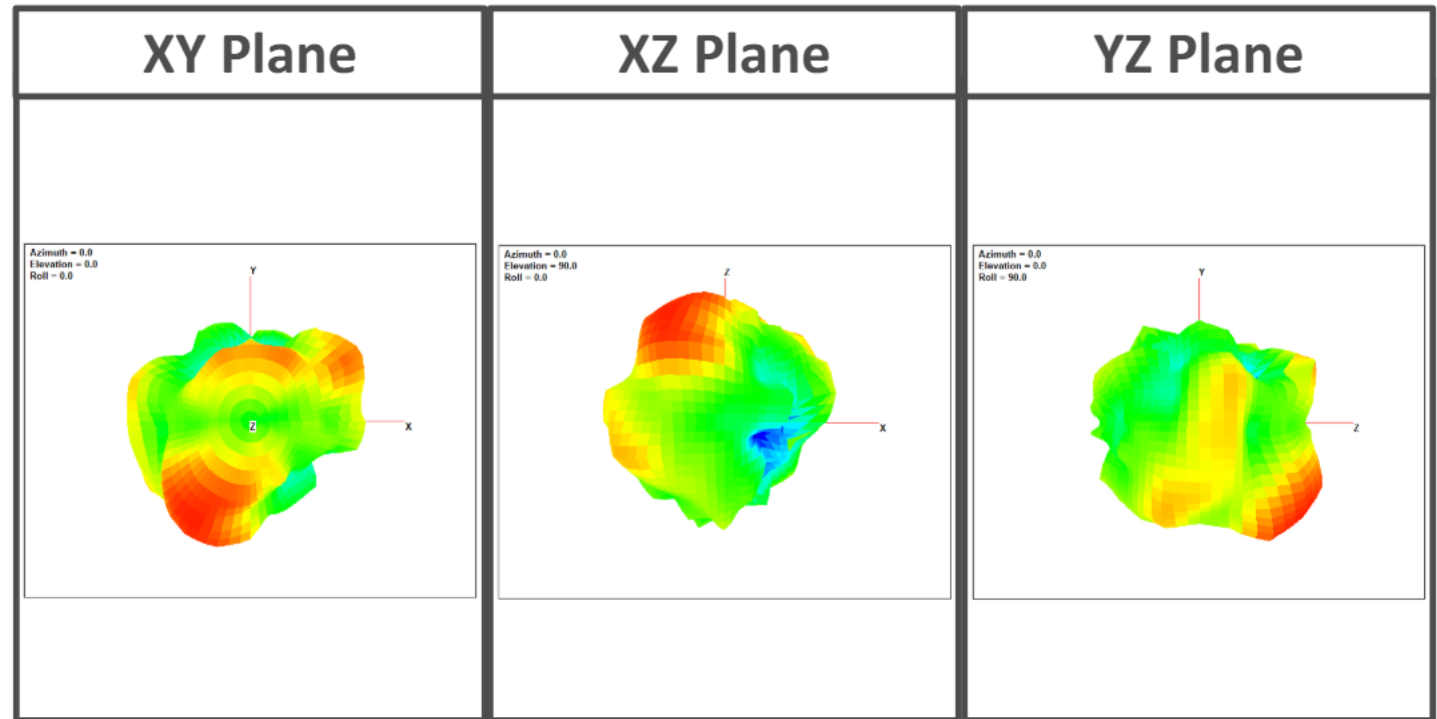
Frequency: **2452** MHz



Frequency: **5560** MHz



Frequency: **5560** MHz



Ant2 Information



Technology to Inspire Innovation

Antenna Type	Dipole
Frequency(MHz)	2400-2500 5180-5875
Material	FPCB
Connector	MHF
Cable type	1.37Ø
Cable length	160mm
Polarization	Linear



Ant2 Peak gain & Avg Gain & Efficiency

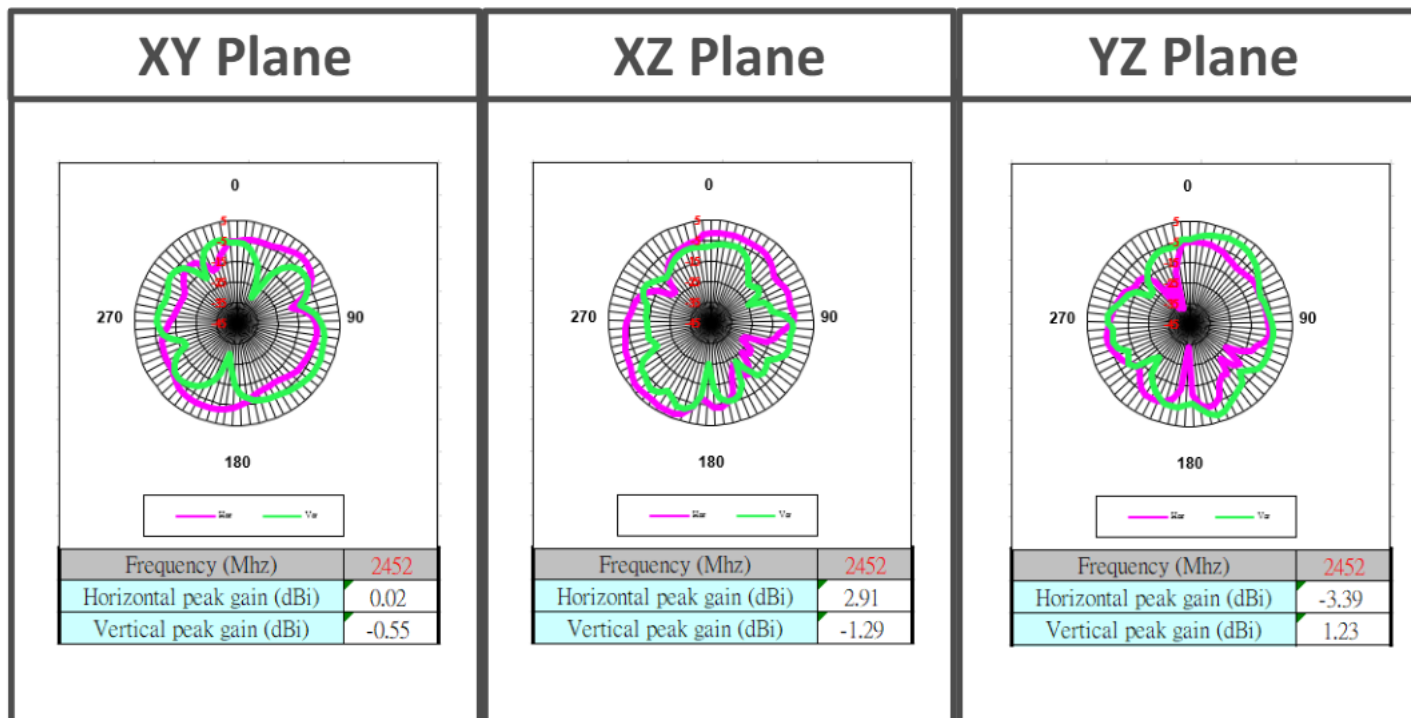


Technology to Inspire Innovation

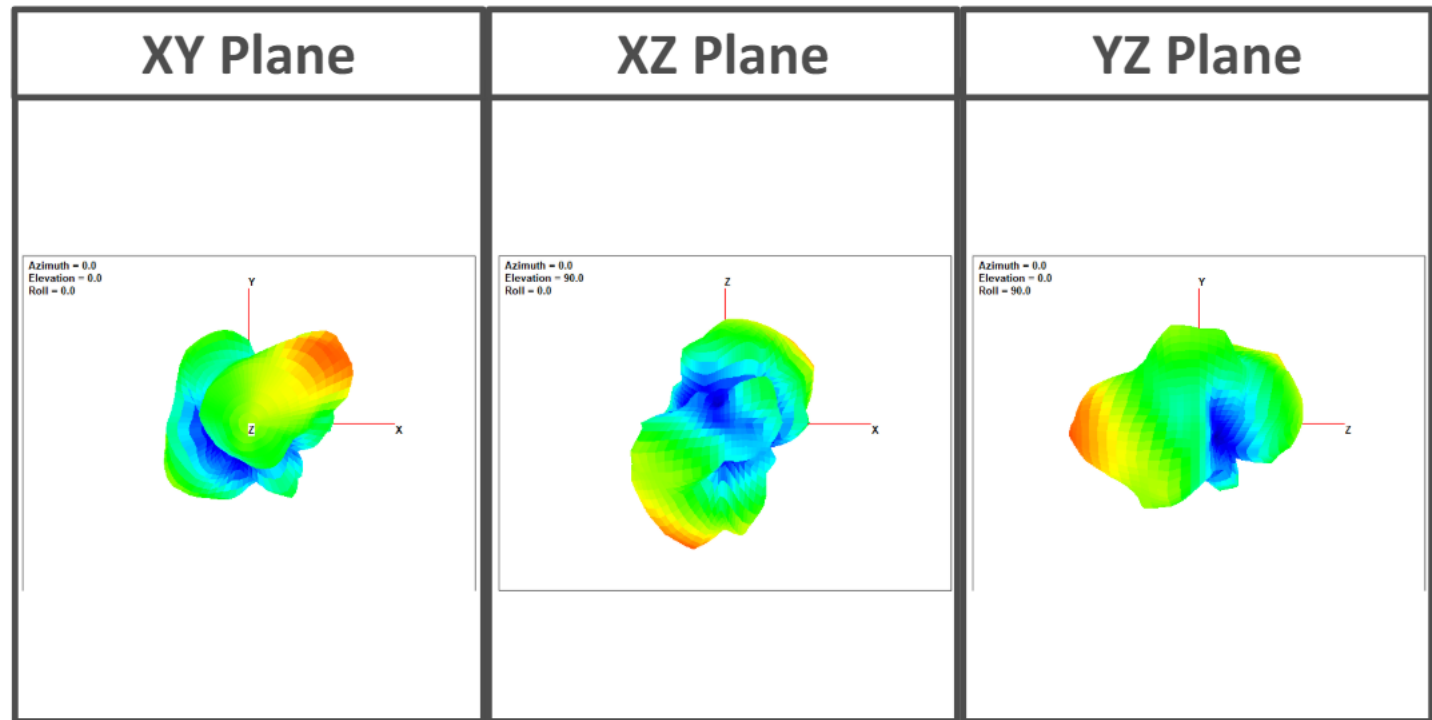
Frequency(MHz)	Peak Gain(dBi)	3D Avg Gain(dBi)	Efficiency(%)
2412	1.11	-1.44	72
2422	1.17	-1.53	70
2437	0.90	-1.72	67
2442	0.79	-1.74	67
2452	0.56	-1.77	66
2484	1.73	-1.91	64
5180	1.86	-1.49	71
5260	1.81	-1.53	70
5320	1.78	-1.67	68
5500	0.56	-2.20	60
5560	0.61	-2.14	61
5660	0.79	-2.04	63
5700	0.96	-1.85	65
5745	1.26	-1.68	68
5785	1.88	-1.63	69
5805	1.73	-1.56	70
5875	1.63	-1.63	69



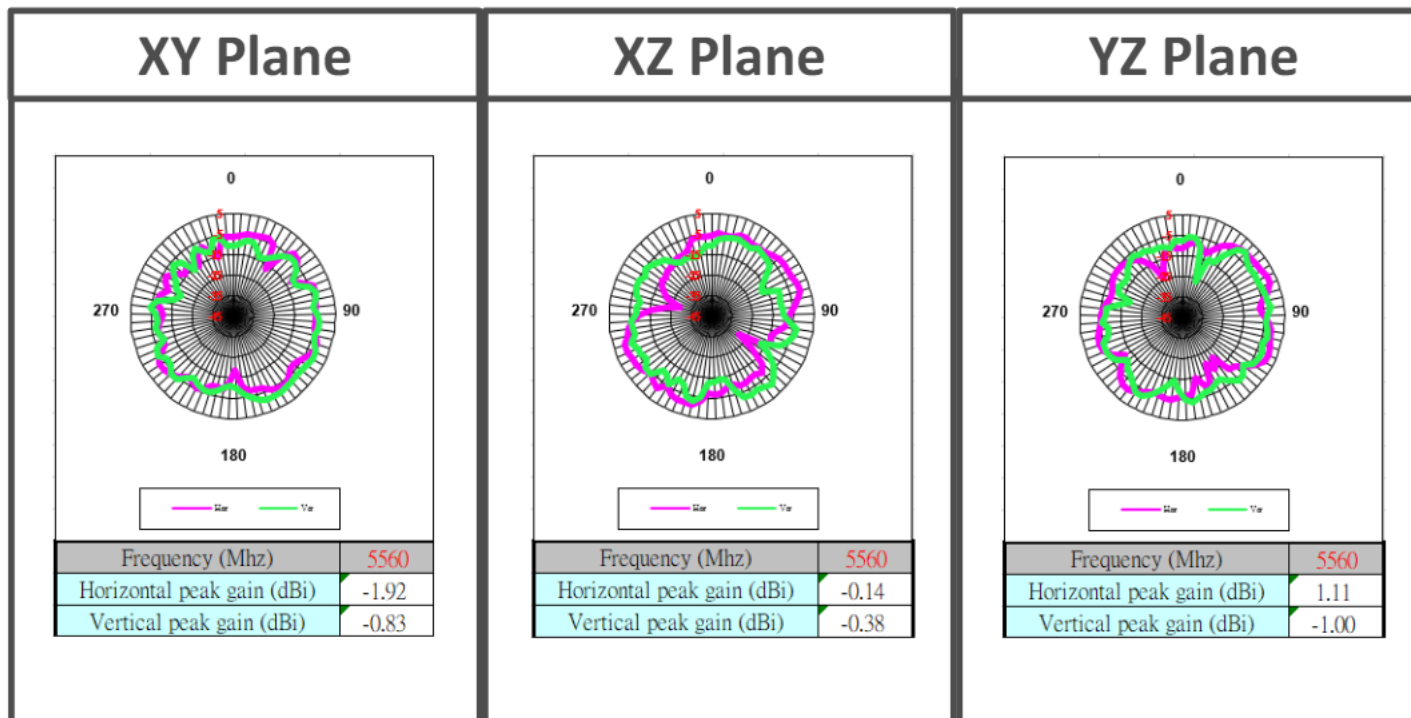
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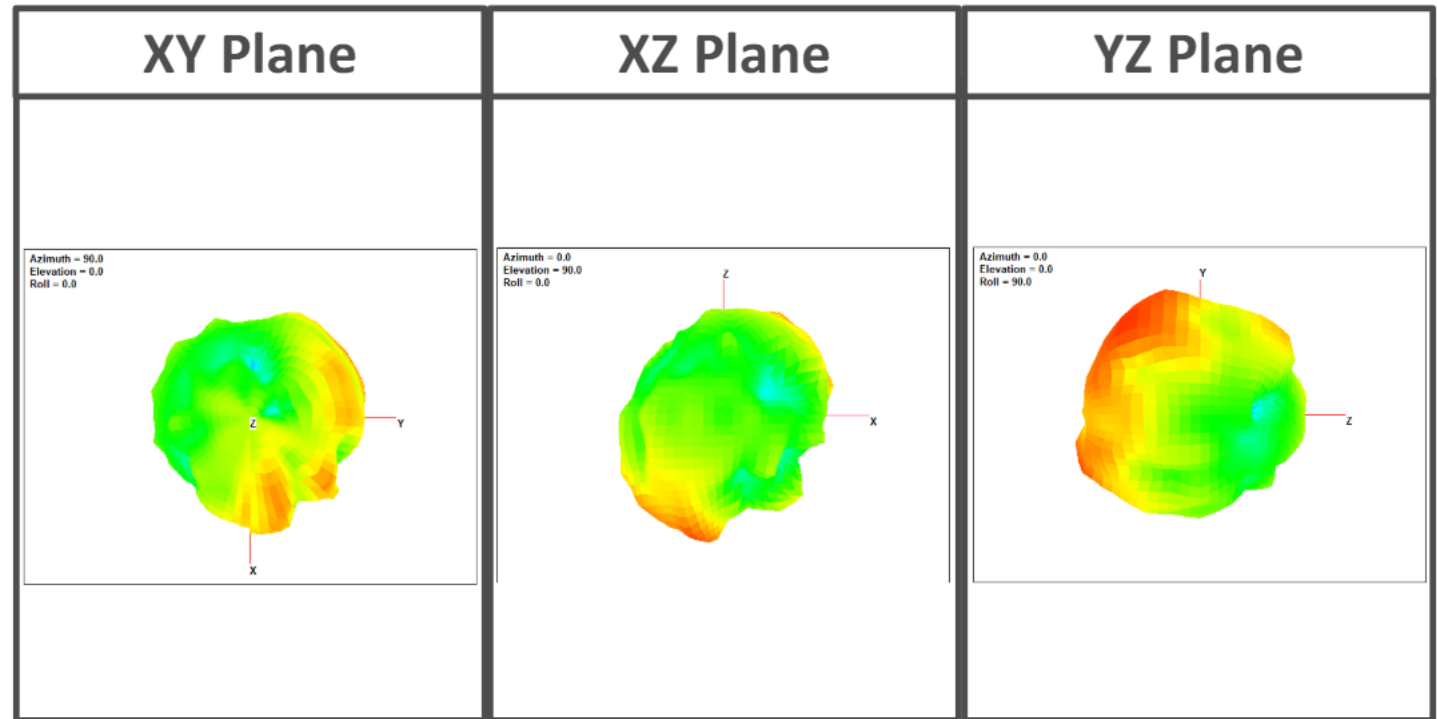
Frequency: **2452** MHz



Frequency: **5560** MHz



Frequency: **5560** MHz



Ant3 Information



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Antenna Type	Dipole
Frequency(MHz)	2400-2500 5180-5875
Material	FPCB
Connector	MHF
Cable type	1.37Ø
Cable length	260mm
Polarization	Linear



Ant3 Peak gain & Avg Gain & Efficiency

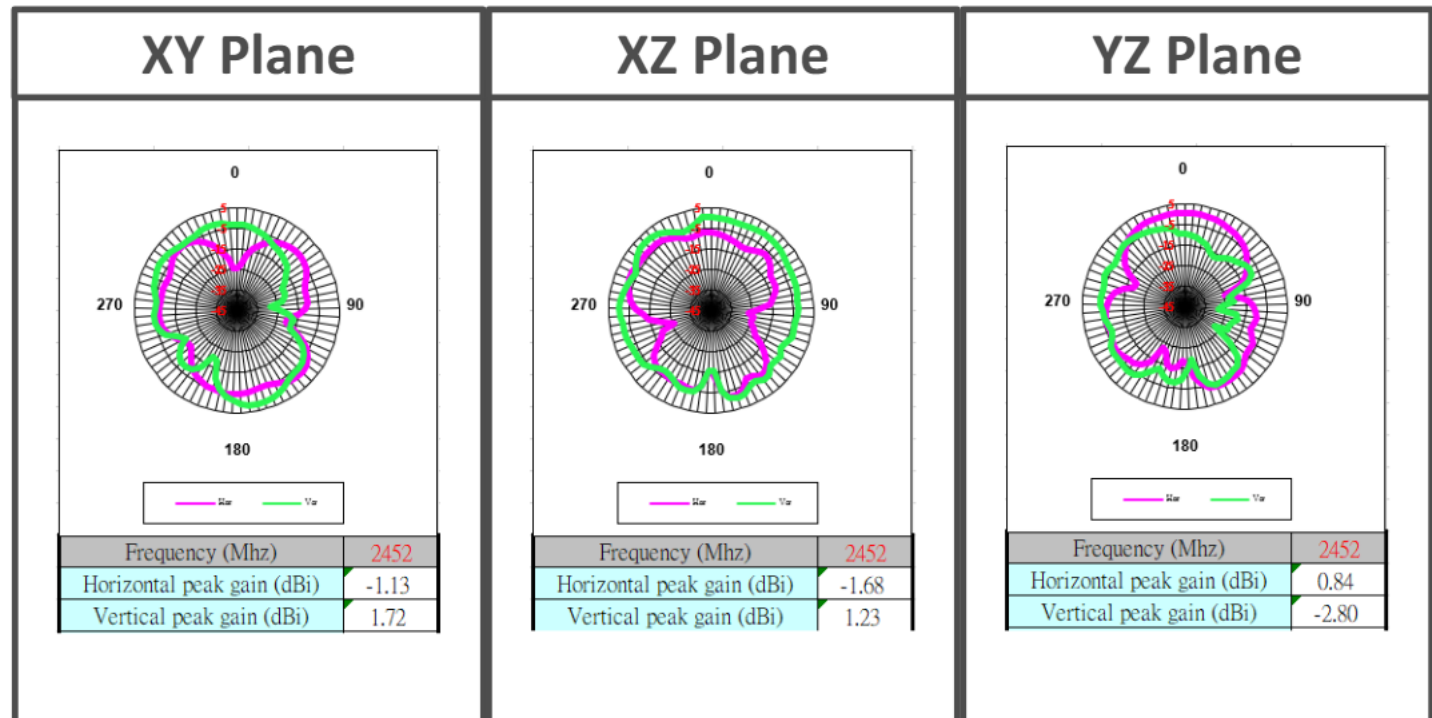


Technology to Inspire Innovation

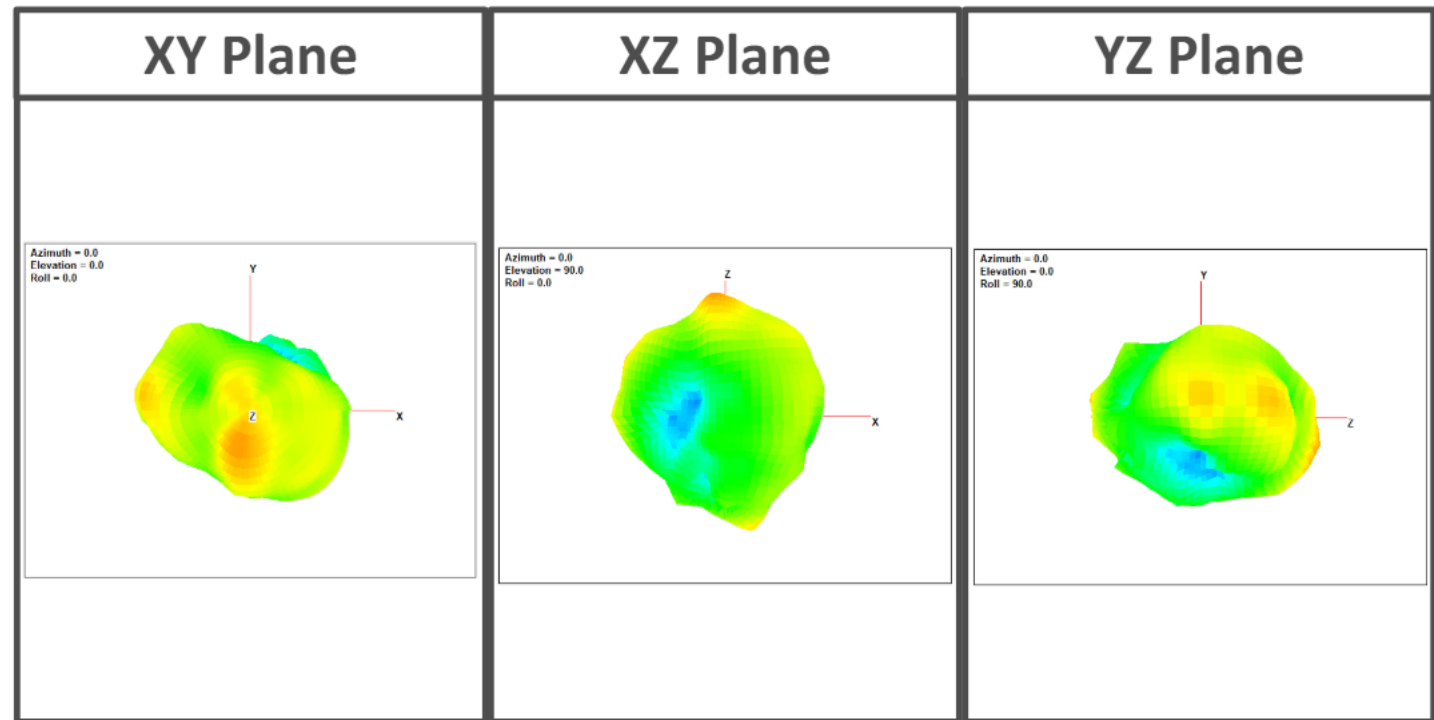
Frequency(MHz)	Peak Gain(dBi)	3D Avg Gain(dBi)	Efficiency(%)
2412	1.66	-2.26	59
2422	1.66	-2.17	61
2437	1.56	-2.15	61
2442	1.53	-2.14	61
2452	1.40	-2.12	61
2484	0.92	-2.12	61
5180	1.53	-1.48	71
5260	1.05	-1.58	69
5320	1.52	-1.69	68
5500	0.49	-2.17	61
5560	0.90	-2.11	61
5660	1.43	-1.99	63
5700	1.12	-1.81	66
5745	1.18	-1.74	67
5785	1.58	-1.84	65
5805	1.51	-1.84	65
5875	1.49	-2.07	62



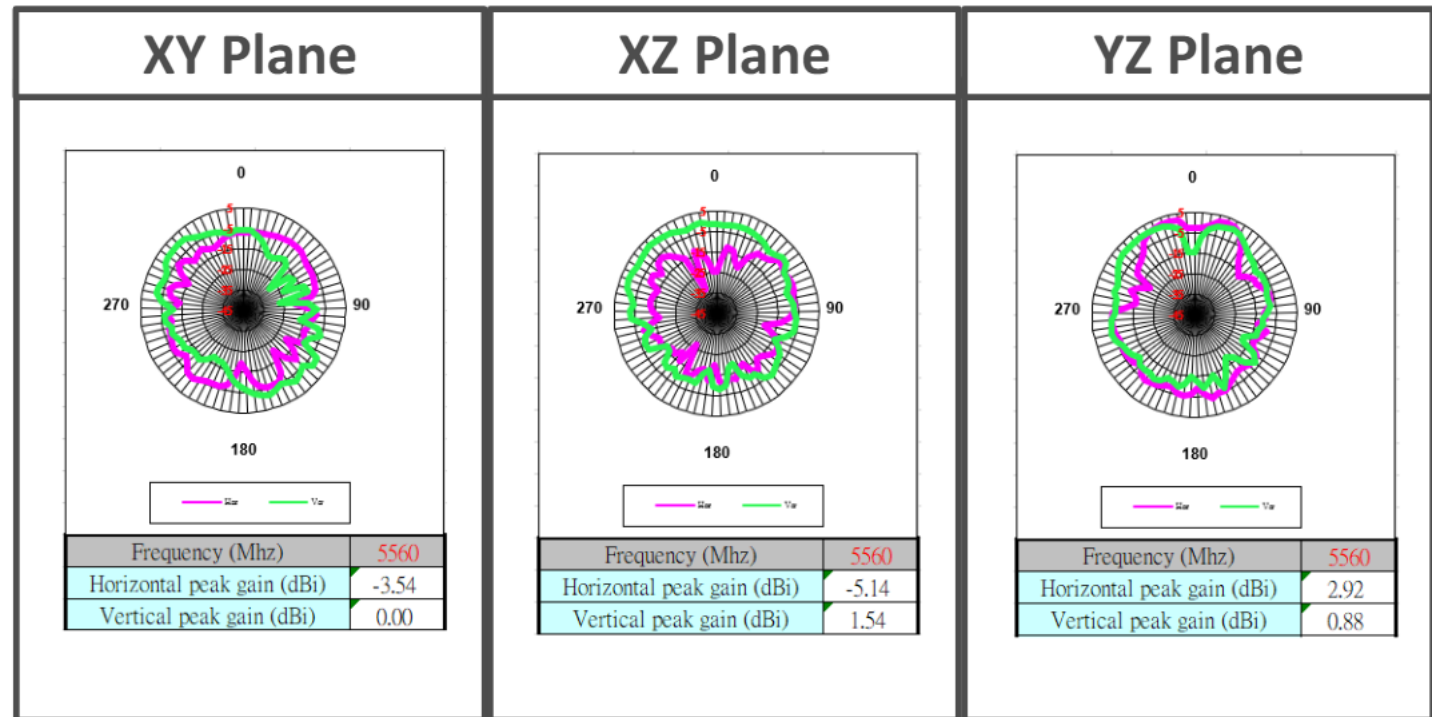
Frequency: **2452** MHz



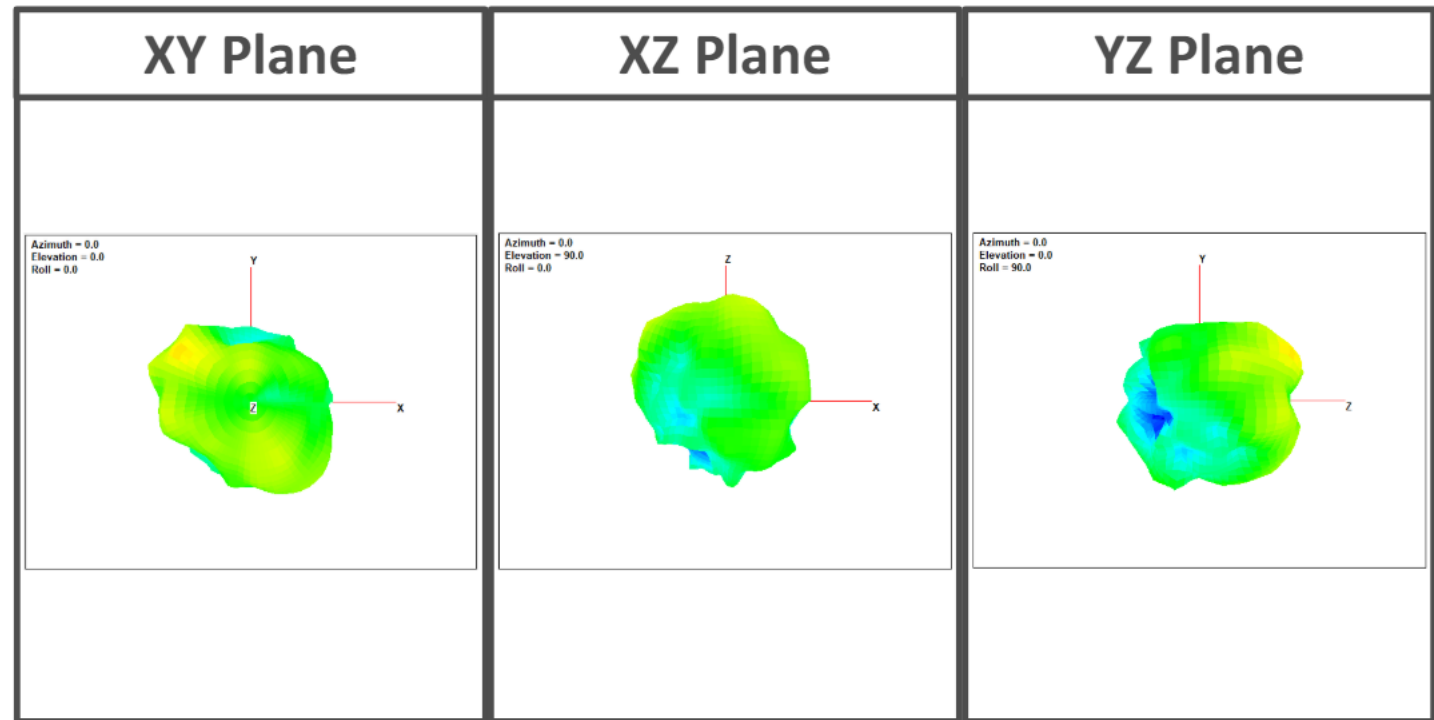
Frequency: **2452** MHz



Frequency: **5560** MHz



Frequency: **5560** MHz



Ant4 Information



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Antenna Type	Dipole
Frequency(MHz)	2400-2500 5180-5875
Material	FPCB
Connector	MHF
Cable type	1.37Ø
Cable length	335mm
Polarization	Linear



Ant4 Peak gain & Avg Gain & Efficiency

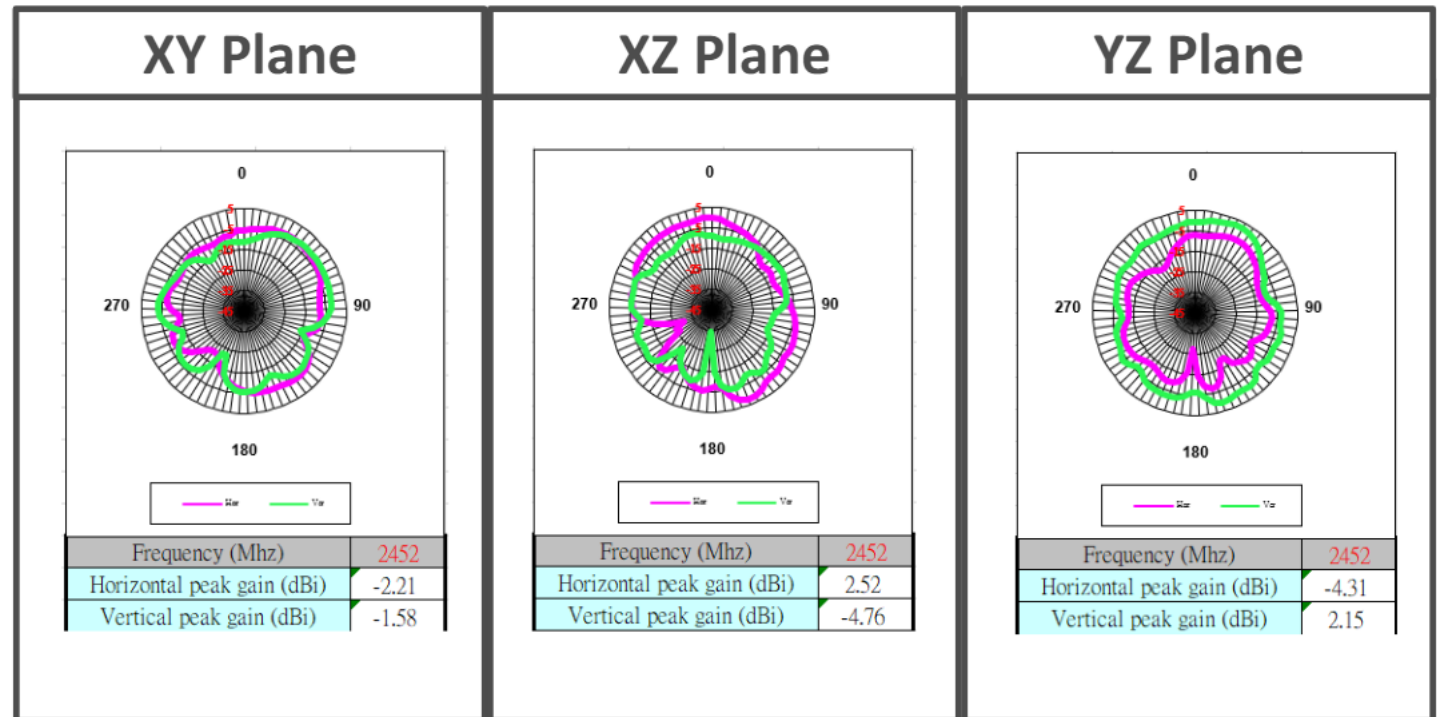


Technology to Inspire Innovation

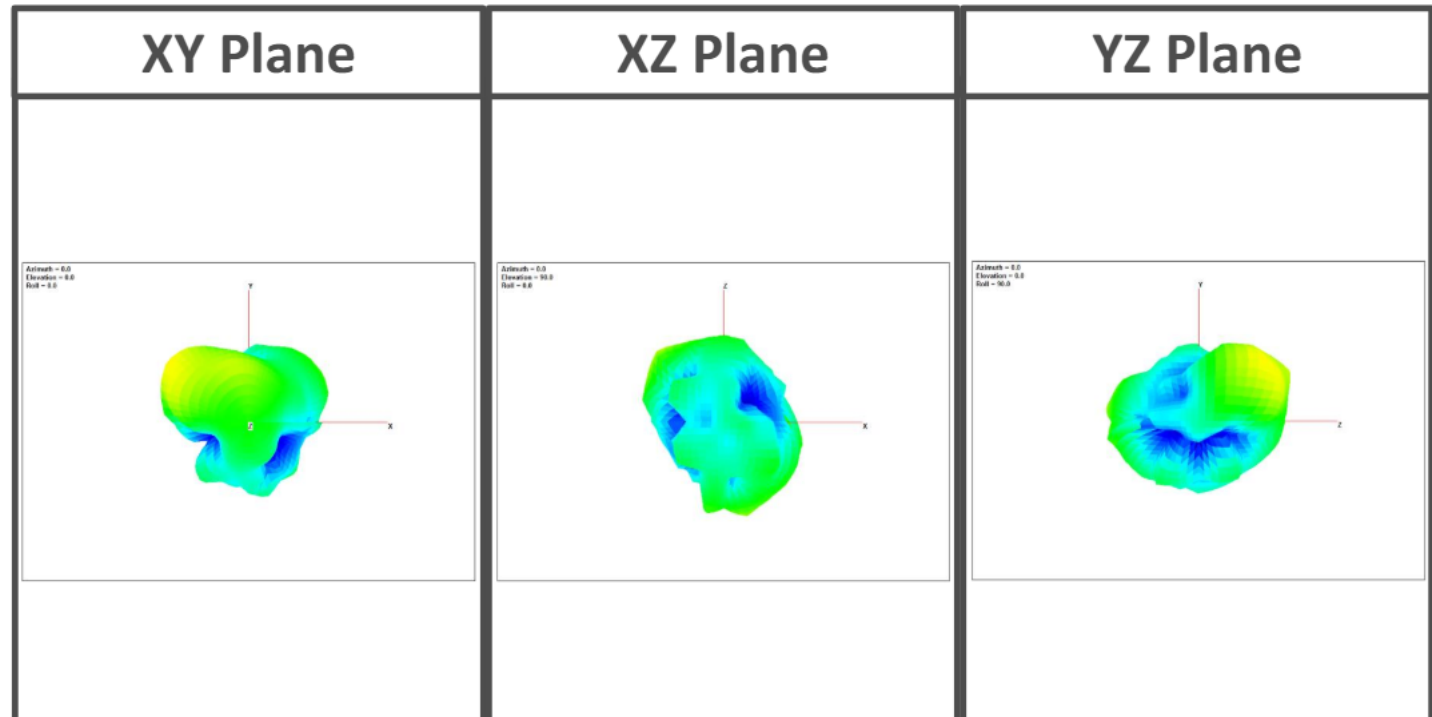
Frequency(MHz)	Peak Gain(dBi)	3D Avg Gain(dBi)	Efficiency(%)
2412	1.86	-1.48	71
2422	1.68	-1.54	70
2437	1.39	-1.69	68
2442	1.33	-1.72	67
2452	1.29	-1.74	67
2484	1.27	-1.79	66
5180	1.63	-1.90	65
5260	1.48	-2.03	63
5320	1.74	-2.10	62
5500	0.67	-2.39	58
5560	1.33	-2.35	58
5660	1.78	-2.29	59
5700	1.51	-2.07	62
5745	1.59	-1.96	64
5785	1.73	-2.00	63
5805	1.64	-1.97	63
5875	1.73	-2.15	61



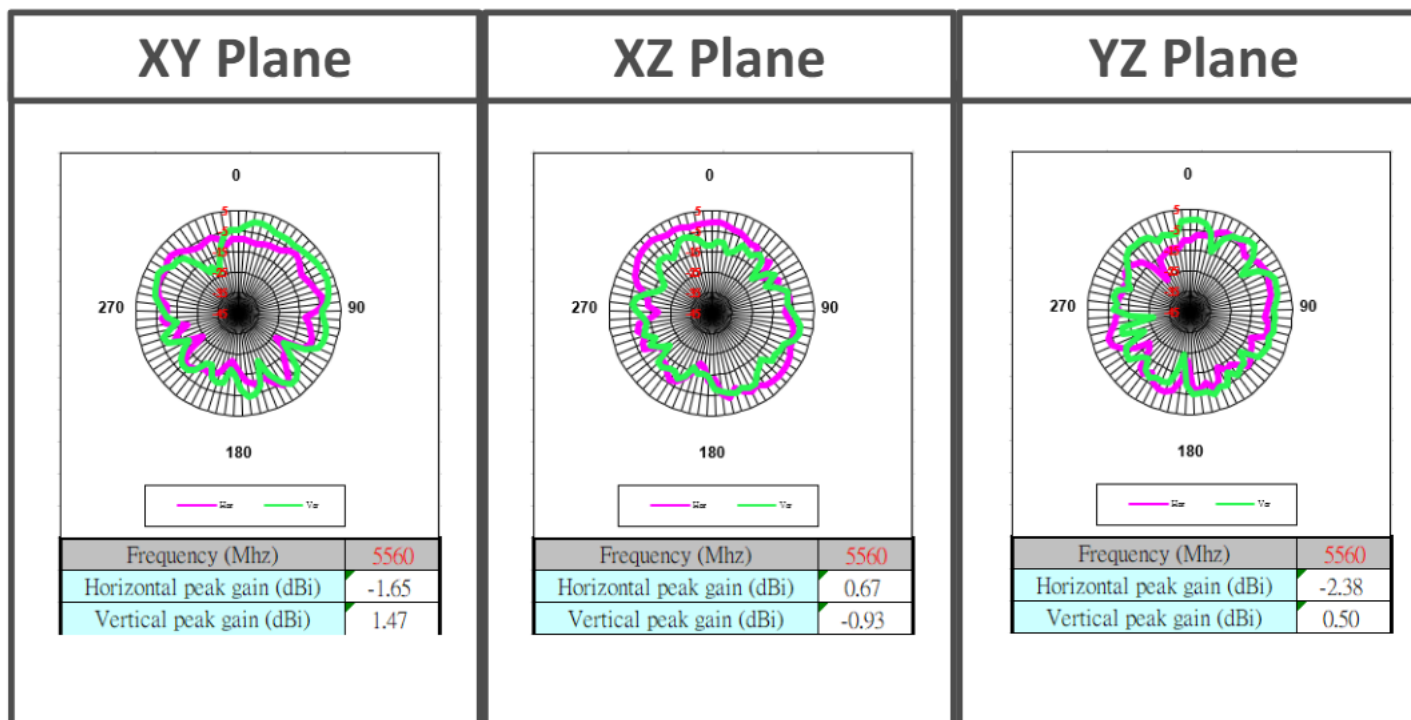
Frequency: **2452** MHz



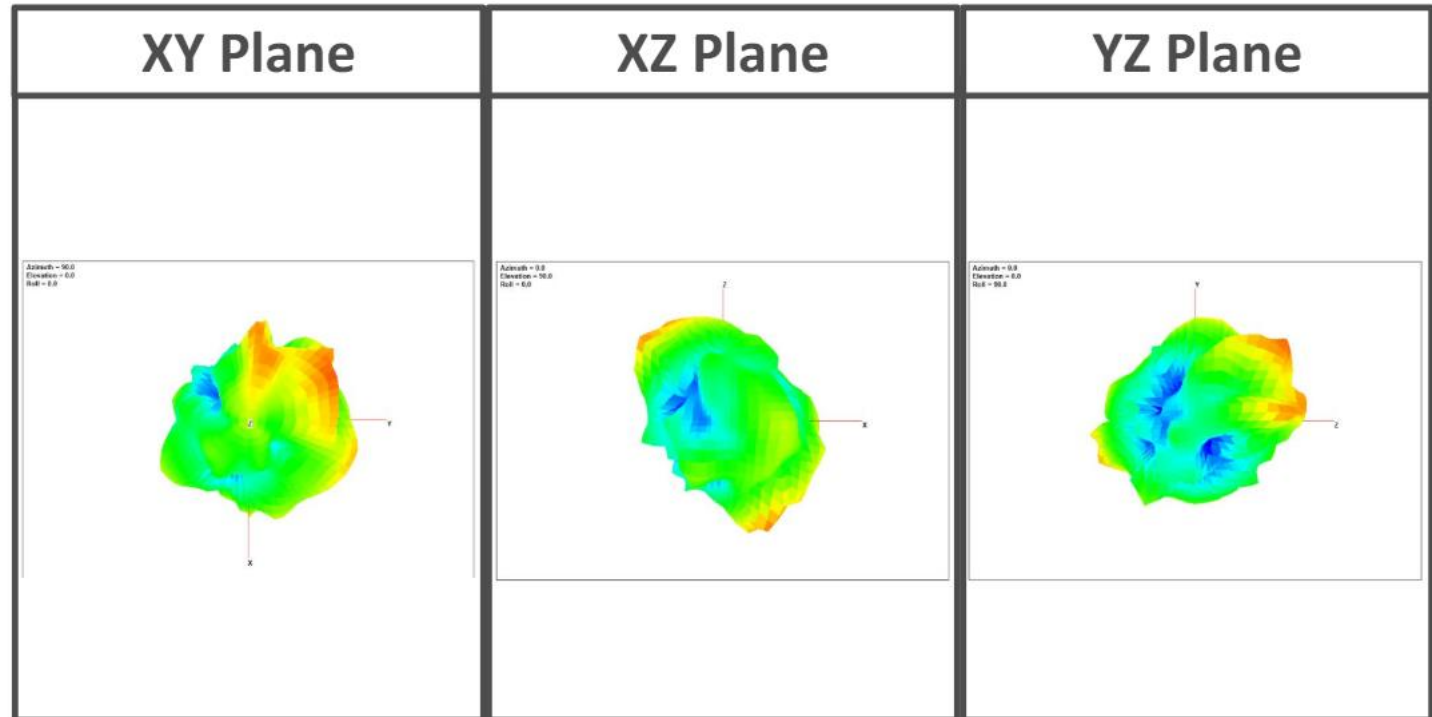
Frequency: **2452** MHz



Frequency: **5560** MHz



Frequency: **5560** MHz



Ant6 Information

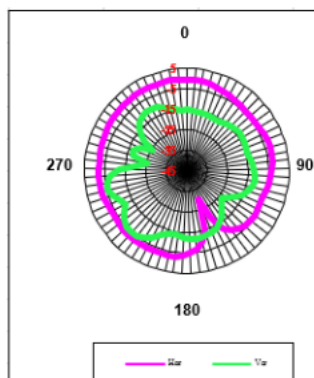
Antenna Type	Dipole
Frequency(MHz)	2400-2500
Material	FPCB
Connector	MHF
Cable type	1.13Ø
Cable length	150mm
Polarization	Linear

Ant6 Peak gain & Avg Gain & Efficiency

Frequency(MHz)	Peak Gain(dBi)	3D Avg Gain(dBi)	Efficiency(%)
2412	0.34	-3.83	41
2422	0.19	-3.72	42
2437	0.00	-3.59	44
2442	0.00	-3.53	44
2452	0.03	-3.41	46
2484	0.14	-3.34	46

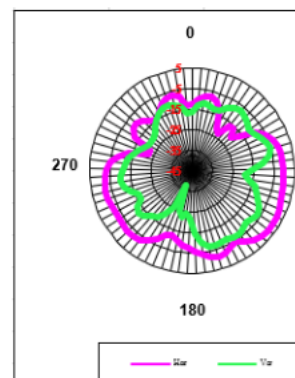
Frequency: **2452** MHz

XY Plane



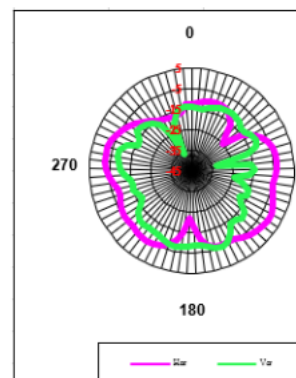
Frequency (Mhz)	2452
Horizontal peak gain (dBi)	-0.29
Vertical peak gain (dBi)	-4.70

XZ Plane



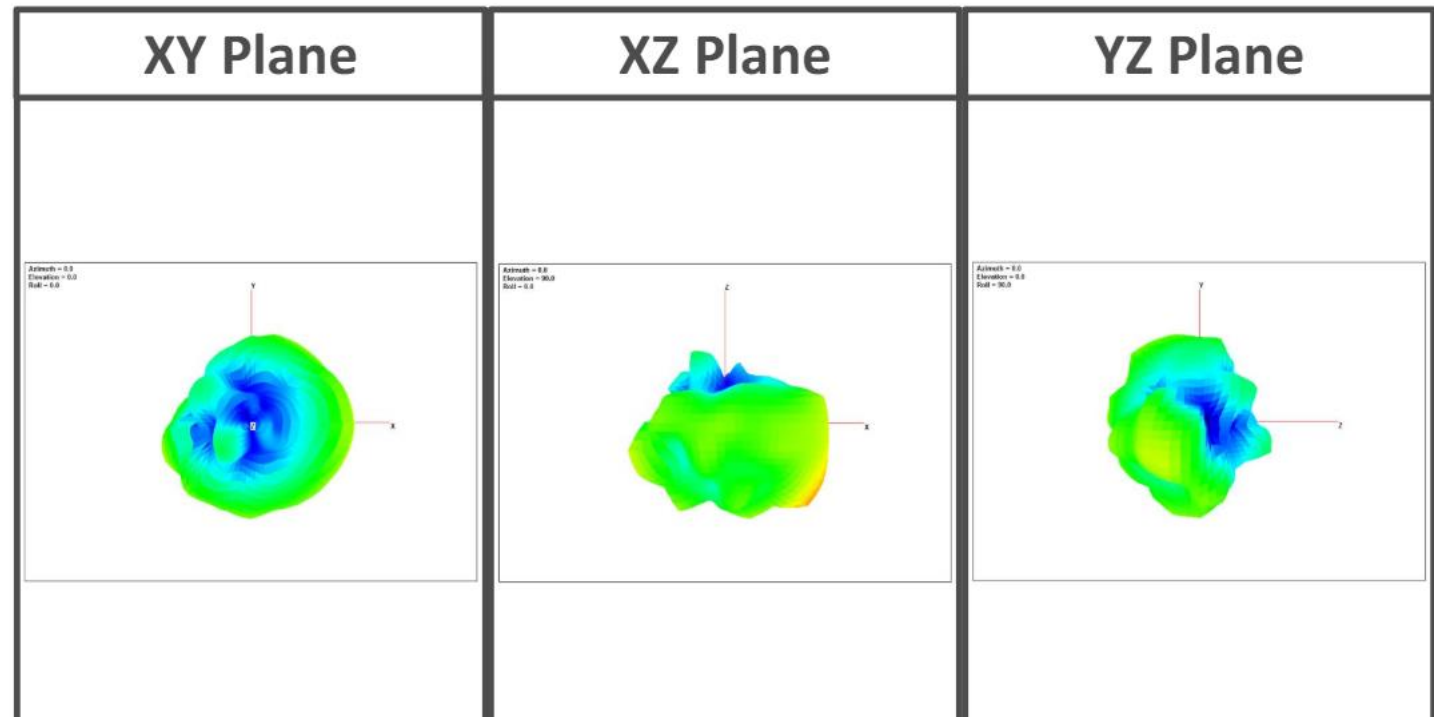
Frequency (Mhz)	2452
Horizontal peak gain (dBi)	2.26
Vertical peak gain (dBi)	-5.45

YZ Plane



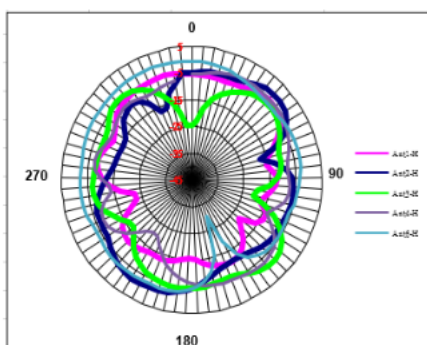
Frequency (Mhz)	2452
Horizontal peak gain (dBi)	-0.82
Vertical peak gain (dBi)	-5.37

Frequency: **2452** MHz



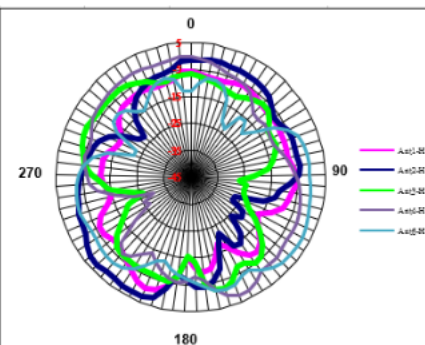
Frequency: **2452** MHz

XY-H Plane



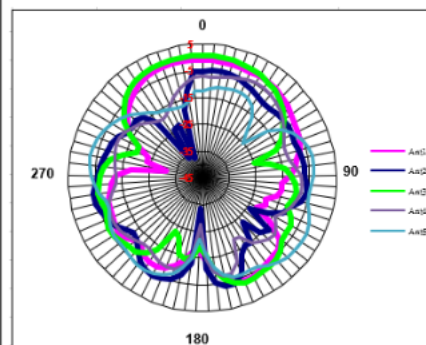
Frequency (Mhz)	2452
Ant1 Horizontal peak gain (dBi)	-2.81
Ant2 Horizontal peak gain (dBi)	0.02
Ant3 Horizontal peak gain (dBi)	-1.13
Ant4 Horizontal peak gain (dBi)	-2.21
Ant6 Horizontal peak gain (dBi)	-0.29

XZ-H Plane



Frequency (Mhz)	2452
Ant1 Horizontal peak gain (dBi)	-0.60
Ant2 Horizontal peak gain (dBi)	2.91
Ant3 Horizontal peak gain (dBi)	-1.68
Ant4 Horizontal peak gain (dBi)	2.52
Ant6 Horizontal peak gain (dBi)	2.26

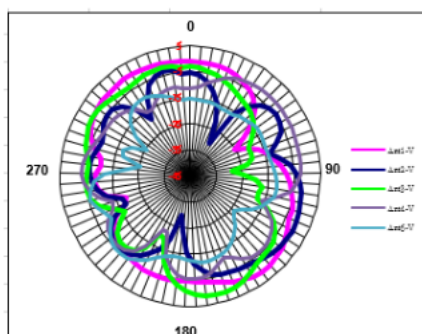
YZ-H Plane



Frequency (Mhz)	2452
Ant1 Horizontal peak gain (dBi)	-0.73
Ant2 Horizontal peak gain (dBi)	-3.39
Ant3 Horizontal peak gain (dBi)	0.84
Ant4 Horizontal peak gain (dBi)	-4.31
Ant6 Horizontal peak gain (dBi)	-0.82

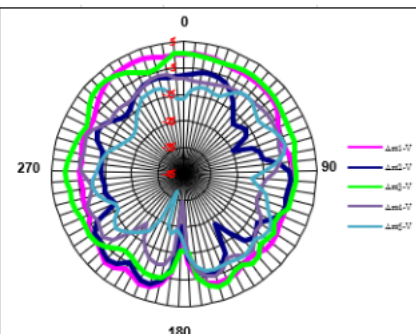
Frequency: **2452** MHz

XY-V Plane



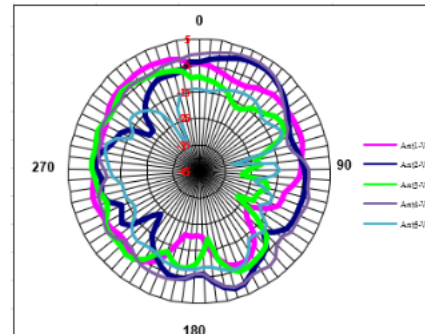
Frequency (Mhz)	2452
Ant1 Vertical peak gain (dBi)	0.93
Ant2 Vertical peak gain (dBi)	-0.55
Ant3 Vertical peak gain (dBi)	1.72
Ant4 Vertical peak gain (dBi)	-1.58
Ant6 Vertical peak gain (dBi)	-4.70

XZ-V Plane



Frequency (Mhz)	2452
Ant1 Vertical peak gain (dBi)	1.63
Ant2 Vertical peak gain (dBi)	-1.29
Ant3 Vertical peak gain (dBi)	1.23
Ant4 Vertical peak gain (dBi)	-4.76
Ant6 Vertical peak gain (dBi)	-5.45

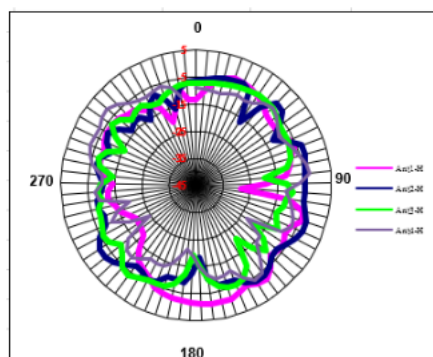
YZ-V Plane



Frequency (Mhz)	2452
Ant1 Vertical peak gain (dBi)	-0.78
Ant2 Vertical peak gain (dBi)	1.23
Ant3 Vertical peak gain (dBi)	-2.80
Ant4 Vertical peak gain (dBi)	2.15
Ant6 Vertical peak gain (dBi)	-5.37

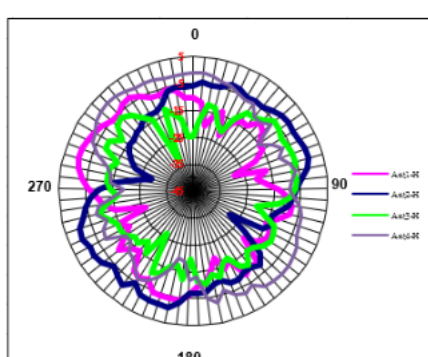
Frequency: **5560** MHz

XY-H Plane



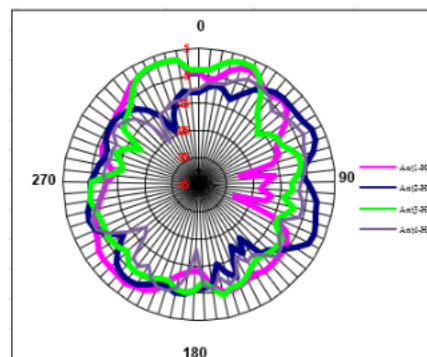
Frequency (Mhz)	5560
Ant1 Horizontal peak gain (dBi)	-0.98
Ant2 Horizontal peak gain (dBi)	-1.92
Ant3 Horizontal peak gain (dBi)	-3.54
Ant4 Horizontal peak gain (dBi)	-1.65

XZ-H Plane



Frequency (Mhz)	5560
Ant1 Horizontal peak gain (dBi)	-0.59
Ant2 Horizontal peak gain (dBi)	-0.14
Ant3 Horizontal peak gain (dBi)	-5.14
Ant4 Horizontal peak gain (dBi)	0.67

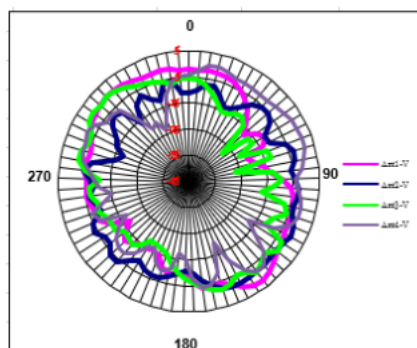
YZ-H Plane



Frequency (Mhz)	5560
Ant1 Horizontal peak gain (dBi)	2.00
Ant2 Horizontal peak gain (dBi)	1.11
Ant3 Horizontal peak gain (dBi)	2.92
Ant4 Horizontal peak gain (dBi)	-2.38

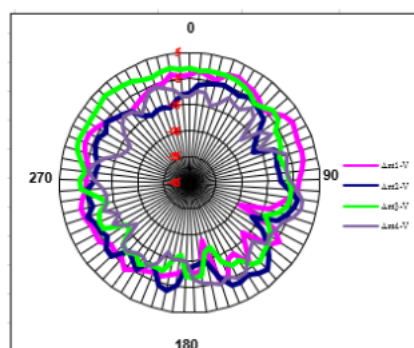
Frequency: **5560** MHz

XY-V Plane



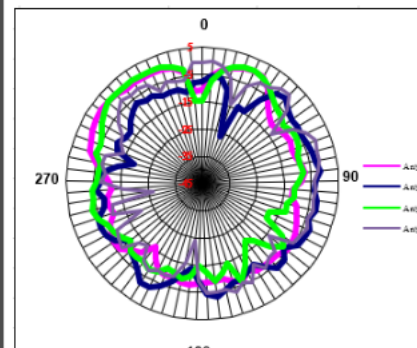
Frequency (Mhz)	5560
Ant1 Vertical peak gain (dBi)	2.29
Ant2 Vertical peak gain (dBi)	-0.83
Ant3 Vertical peak gain (dBi)	0.00
Ant4 Vertical peak gain (dBi)	1.47

XZ-V Plane



Frequency (Mhz)	5560
Ant1 Vertical peak gain (dBi)	0.86
Ant2 Vertical peak gain (dBi)	-0.38
Ant3 Vertical peak gain (dBi)	1.54
Ant4 Vertical peak gain (dBi)	-0.93

YZ-V Plane



Frequency (Mhz)	5560
Ant1 Vertical peak gain (dBi)	1.01
Ant2 Vertical peak gain (dBi)	-1.00
Ant3 Vertical peak gain (dBi)	0.88
Ant4 Vertical peak gain (dBi)	0.50