

AWAN Antenna Report



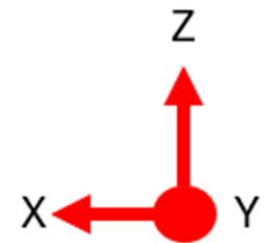
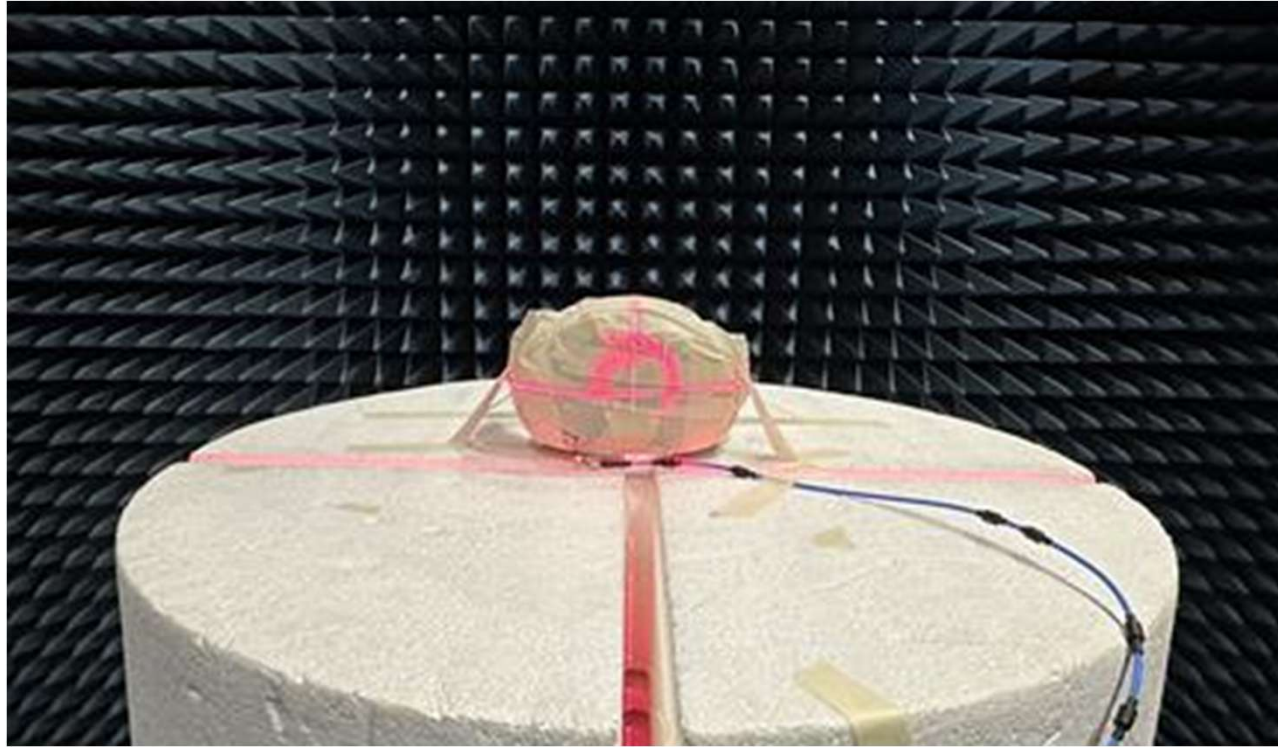
Quanta
Product Design Center

Antenna Performance Result _AWAN Antenna

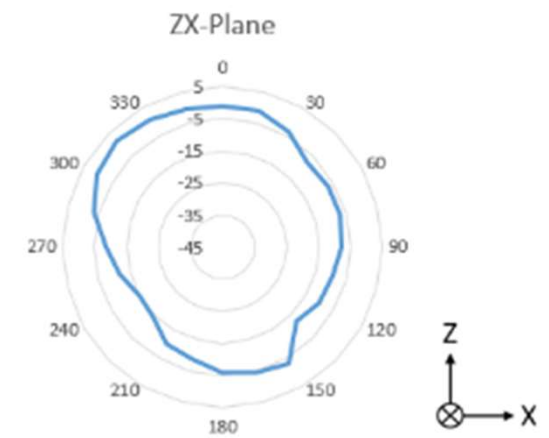
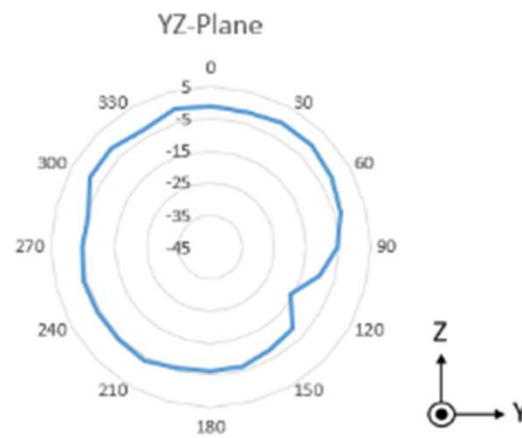
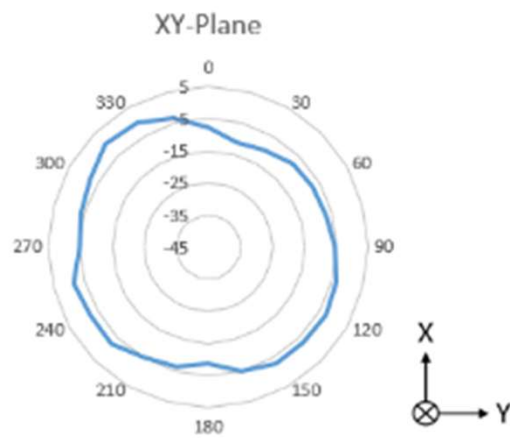
Frequency (MHz)		2412	2450	2484	5150	5500	5850	5925	6525	7125
WIFI L_AWAN	Efficiency	52%	49%	48%	53%	46%	49%	47%	46%	43%
	Avg. gain (dB)	-2.86	-3.10	-3.18	-2.74	-3.35	-3.13	-3.24	-3.38	-3.70
	Peak gain (dB)	2.10	2.71	3.19	2.67	2.71	3.15	2.71	3.10	2.51
WIFI R_AWAN	Efficiency	43%	46%	45%	51%	46%	49%	51%	44%	42%
	Avg. gain (dB)	-3.66	-3.34	-3.48	-2.90	-3.33	-3.13	-2.92	-3.54	-3.78
	Peak gain (dB)	3.36	3.33	3.67	3.16	2.50	2.85	2.37	2.84	4.43
BT_AWAN	Efficiency	32%	31%	30%						
	Avg. gain (dB)	-4.94	-5.10	-5.25						
	Peak gain (dB)	2.07	1.26	0.70						



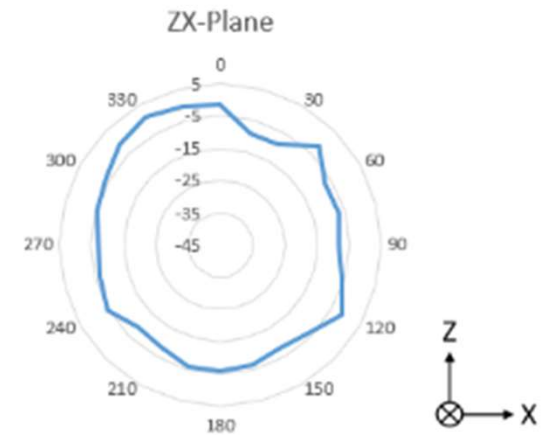
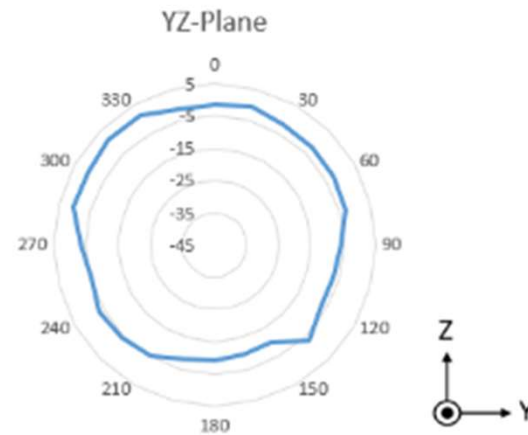
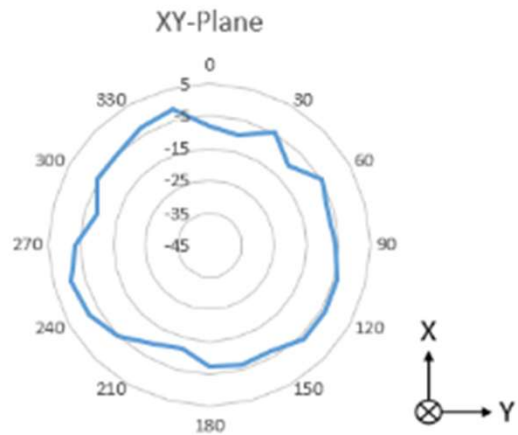
Measurement Setup



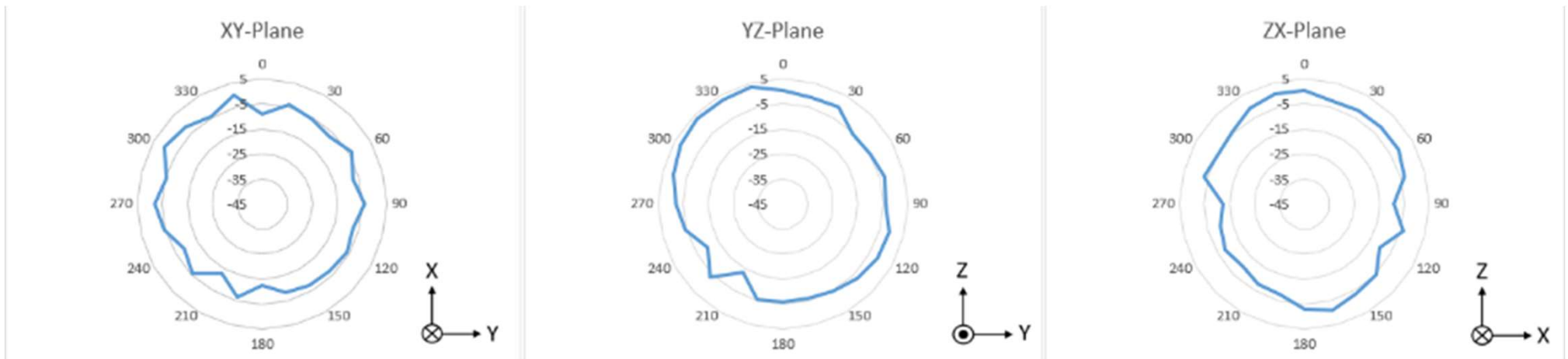
Radiation Pattern – Wi-Fi L 2.45GHz



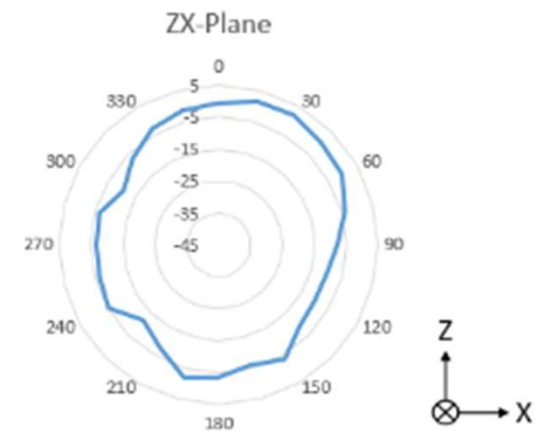
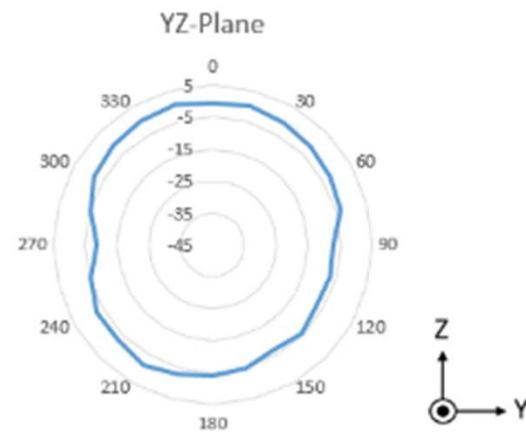
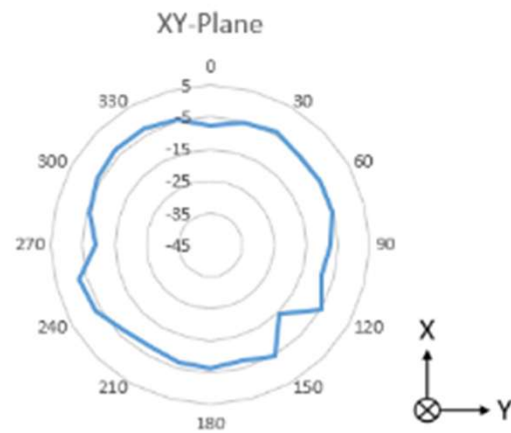
Radiation Pattern – Wi-Fi L 5.5GHz



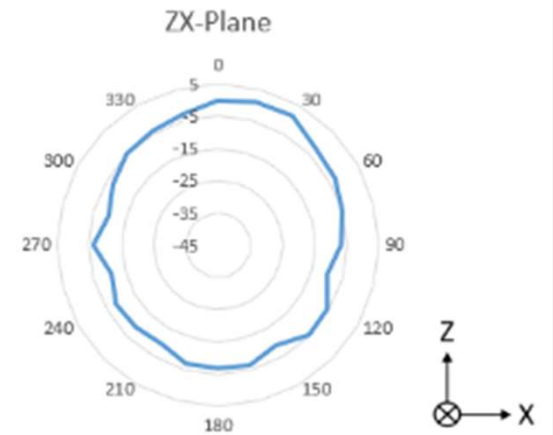
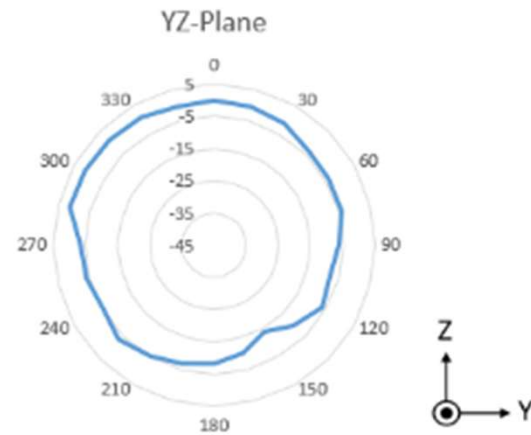
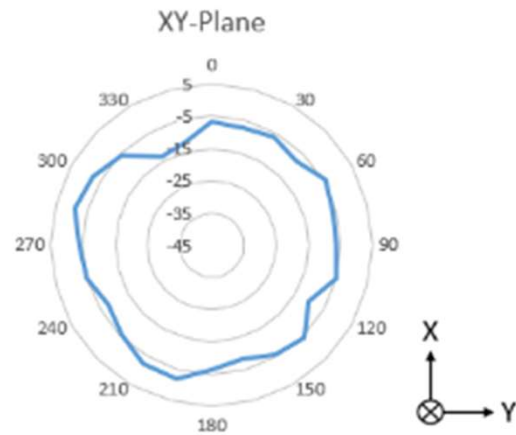
Radiation Pattern – Wi-Fi L 6.525GHz



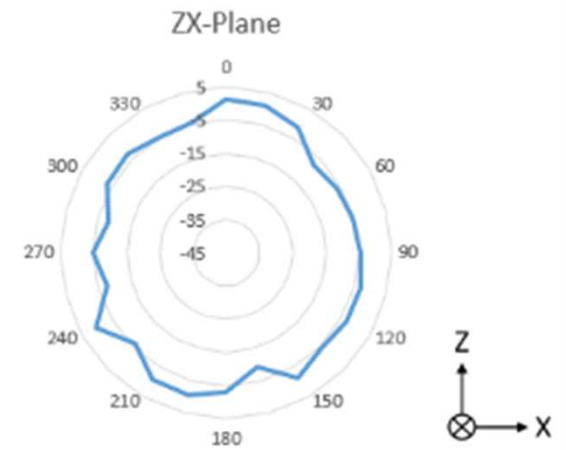
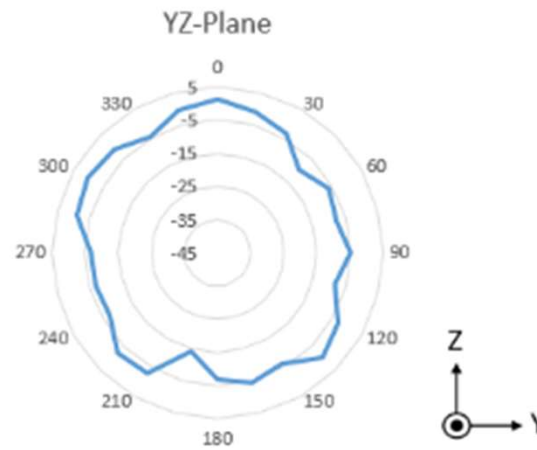
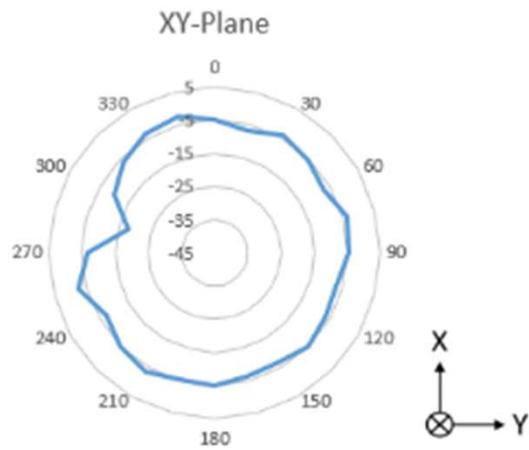
Radiation Pattern – Wi-Fi R 2.45GHz



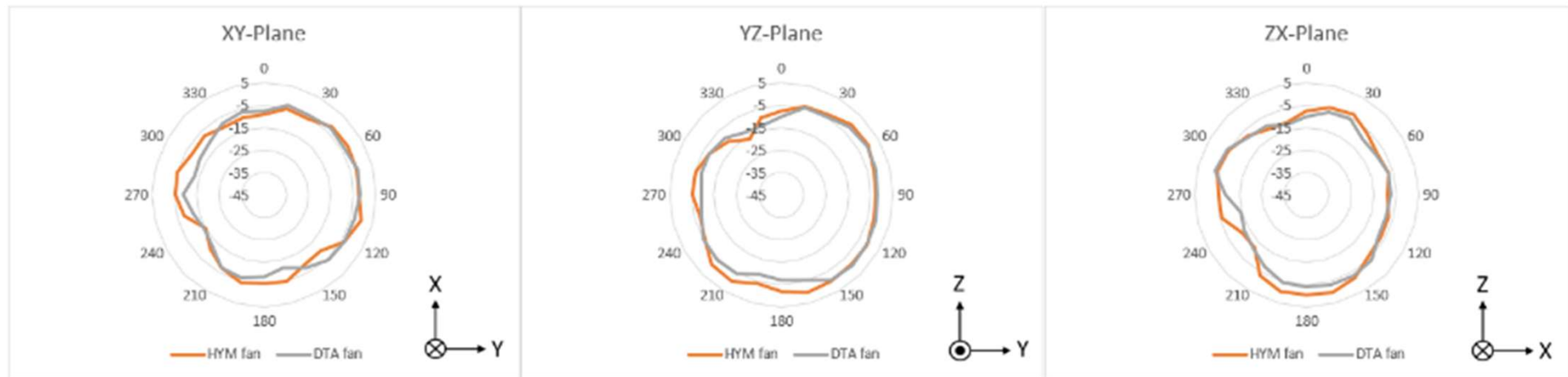
Radiation Pattern – Wi-Fi R 5.5GHz



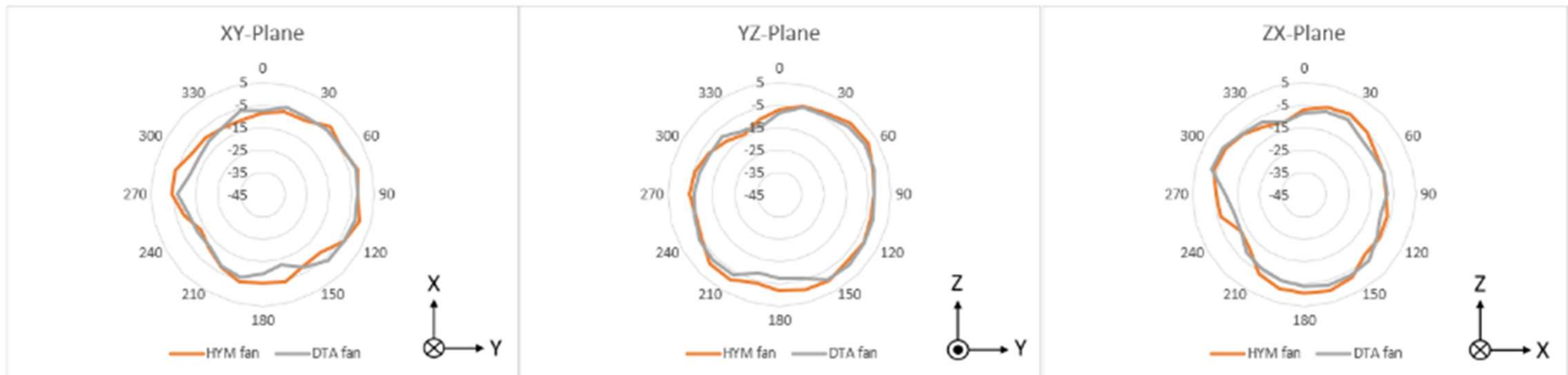
Radiation Pattern – Wi-Fi R 6.525GHz



Radiation Pattern – BT 2.412GHz



Radiation Pattern – BT 2.45GHz



Radiation Pattern – BT 2.484GHz

