

VM1A WLAN/BT ANTENNA

With Quick Mount 1

Test Report

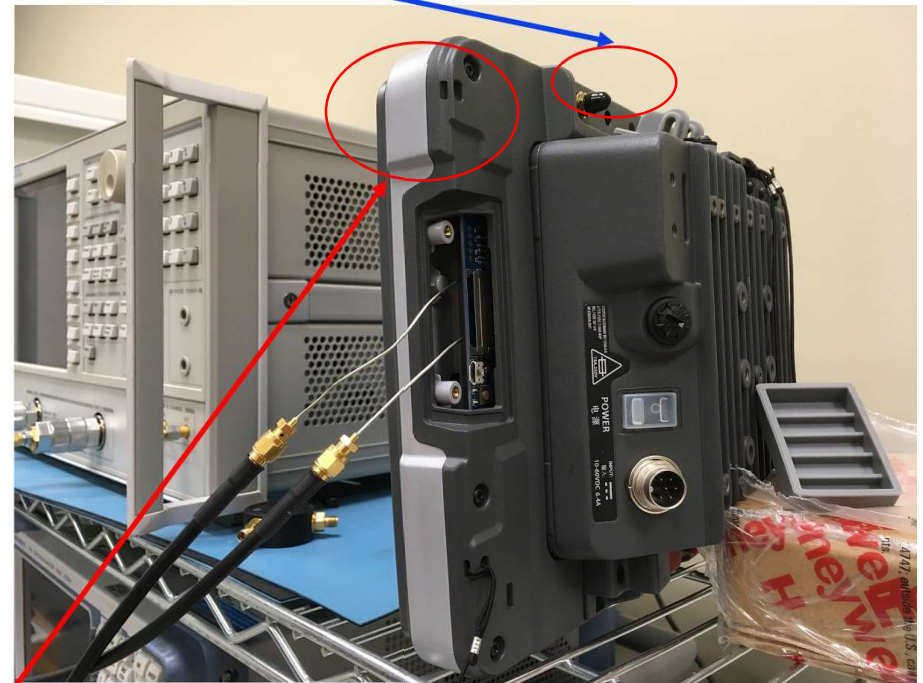
Model: VM1A_Int_Ant

Type: Printed

Rev 1

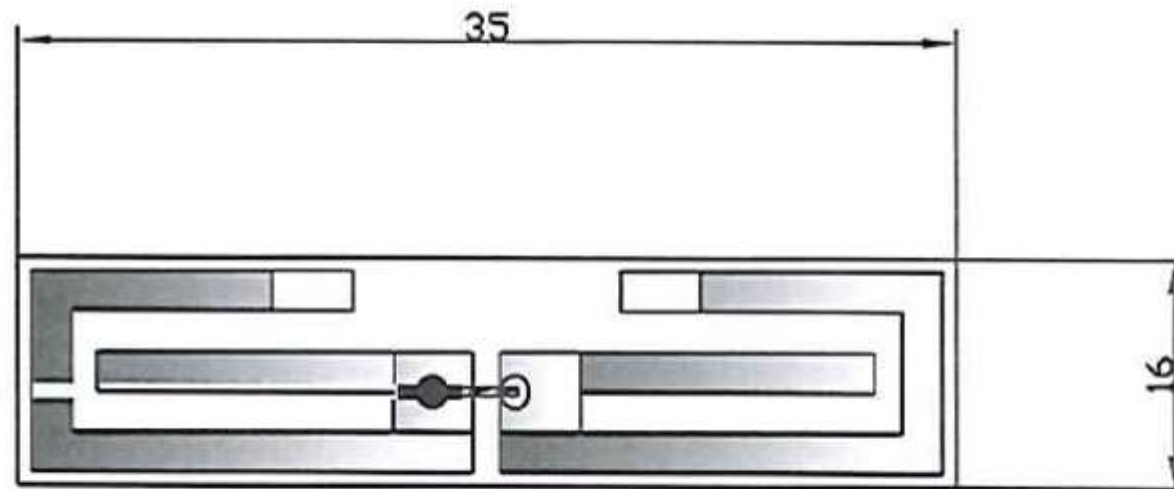
Antenna Position Location

Auxiliary antenna (WiFi)



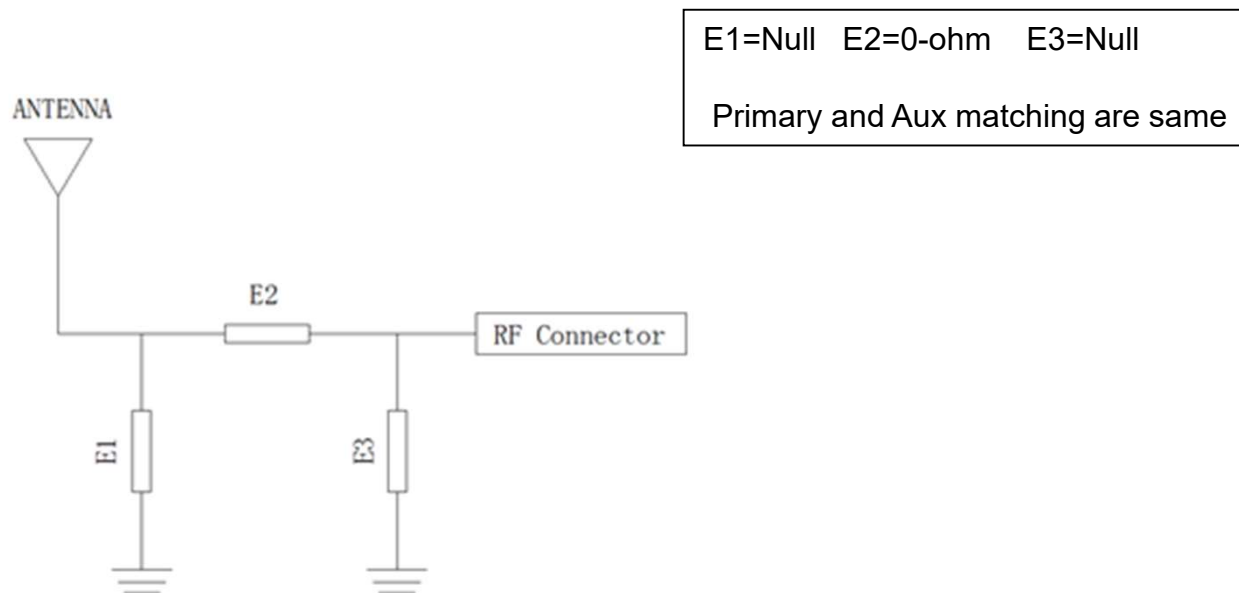
Primary antenna (BT+ WiFi)

Antenna Dimension



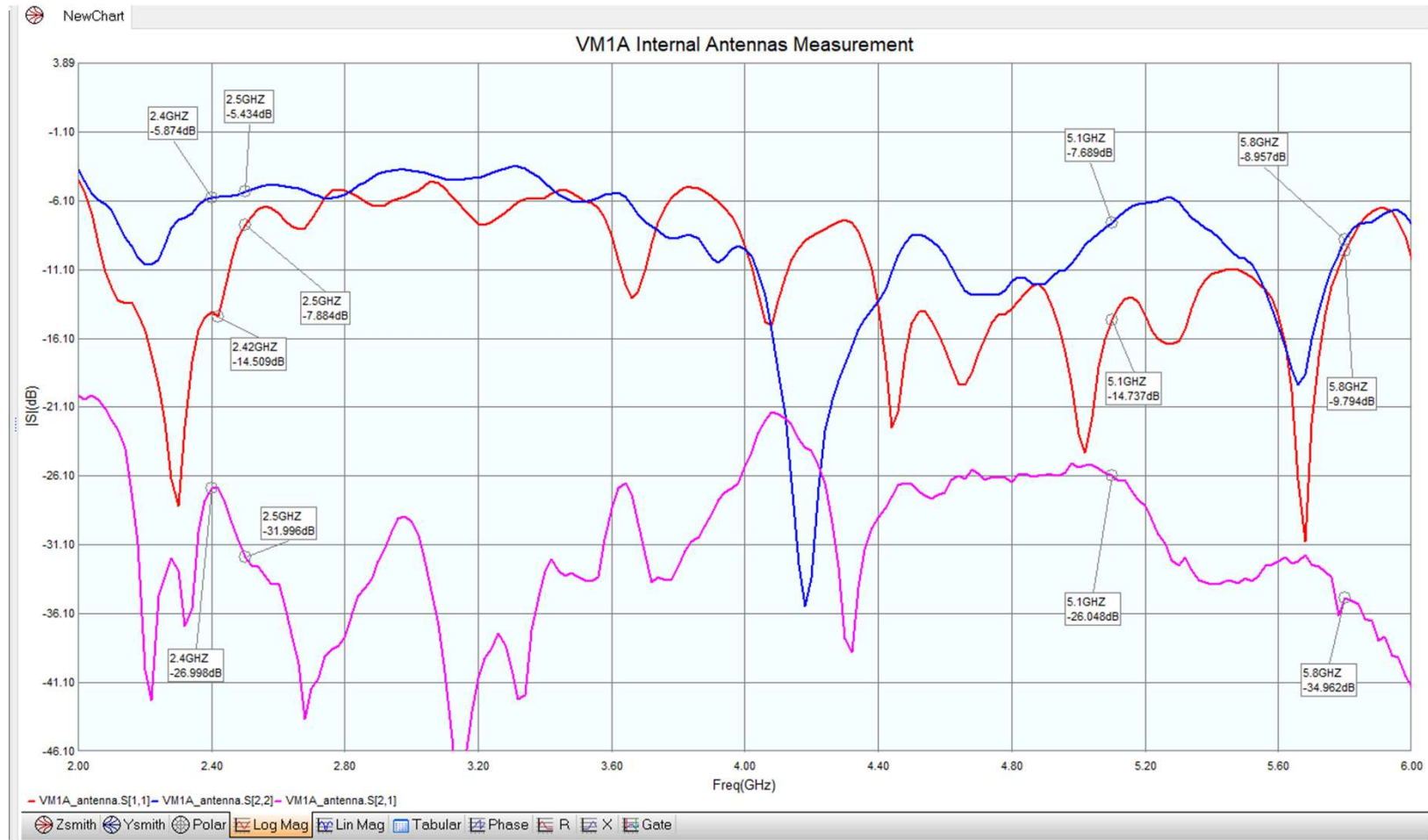
L x W in mm

Matching Circuit Detail



VSWR & Isolation

Red Trace: Primary antenna return loss
Blue Trace: Auxiliary antenna return loss
Pink Trace: Isolation



Performance Summary

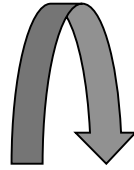
	Peak Gain(dBi)		Efficiency (%)	
	Left (Main)	Top (Aux)	Left (Main)	Top (Aux)
2412	1.1	2.7	32	35
2437	0.2	2.1	31	33
2462	0.4	2.6	30	35
2472	0.5	2.6	28	42
5180	4.7	4.4	60	40
5320	4.6	4.7	69	55
5500	3.2	4.9	60	66
5600	4.7	4.4	67	56
5700	4.8	3.7	67	42
5885	4.7	3.4	60	40

H-Plane definition

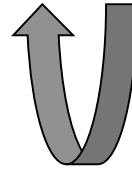


E1-Plane definition

270 Degrees



90 Degrees

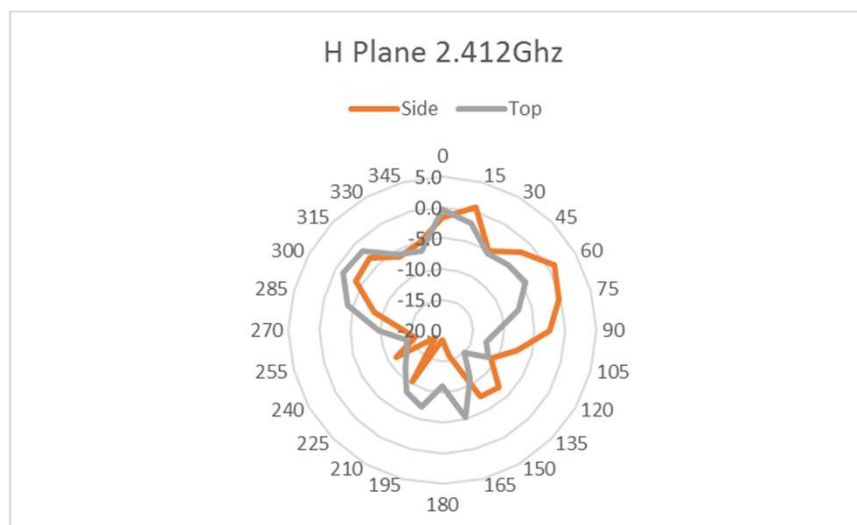
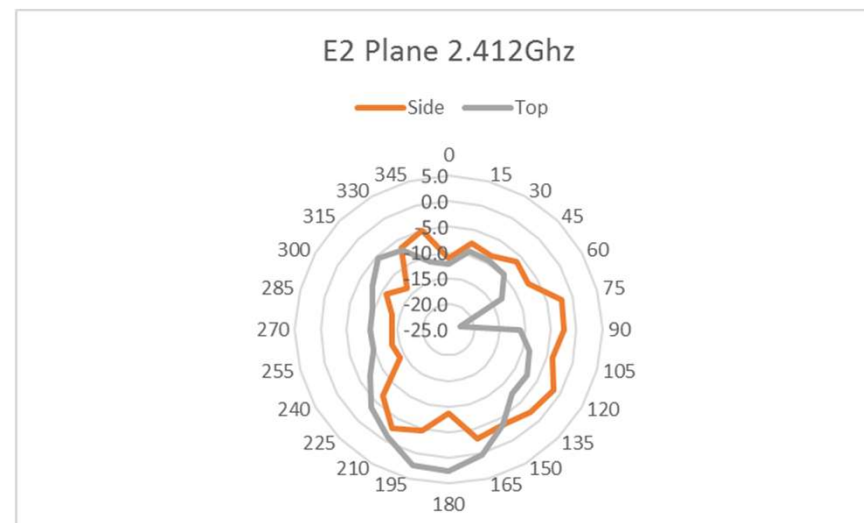
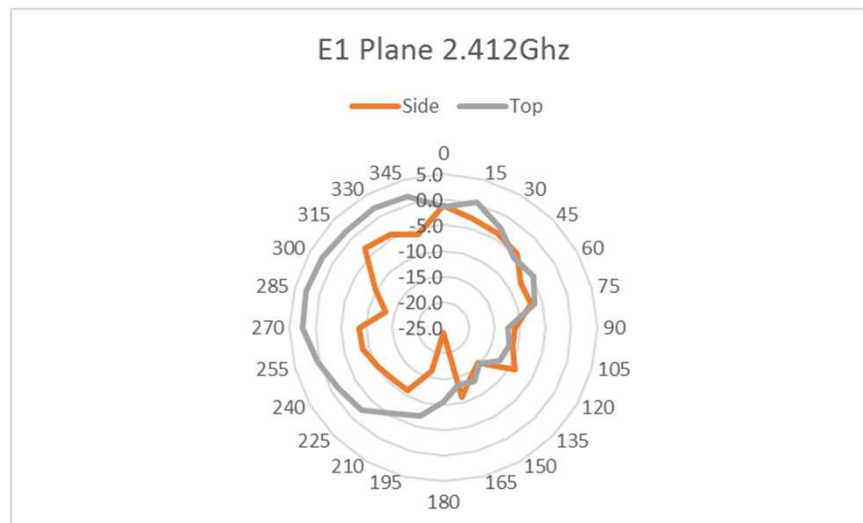


Honeywell

E2-Plane definition

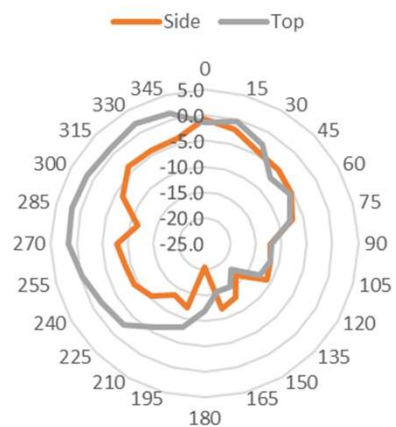


2412MHZ radiation plots

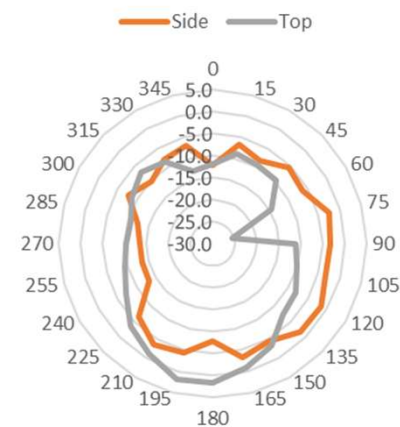


2437MHz radiation plots

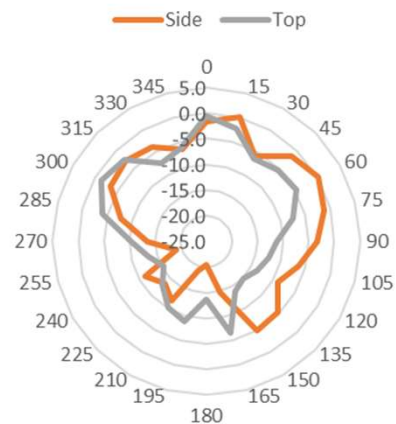
E1 Plane 2.437Ghz



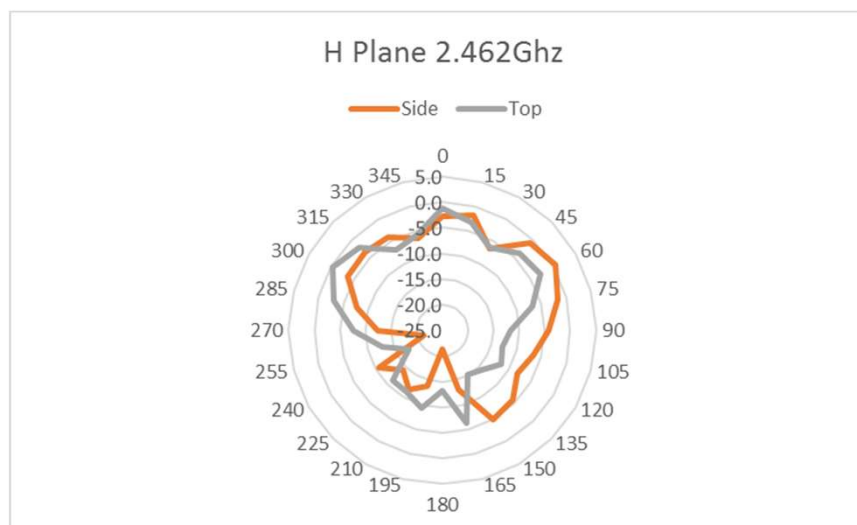
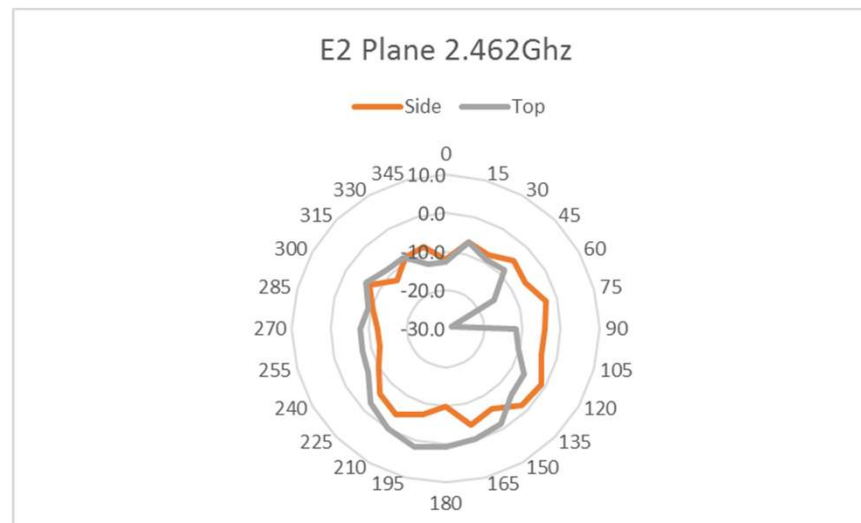
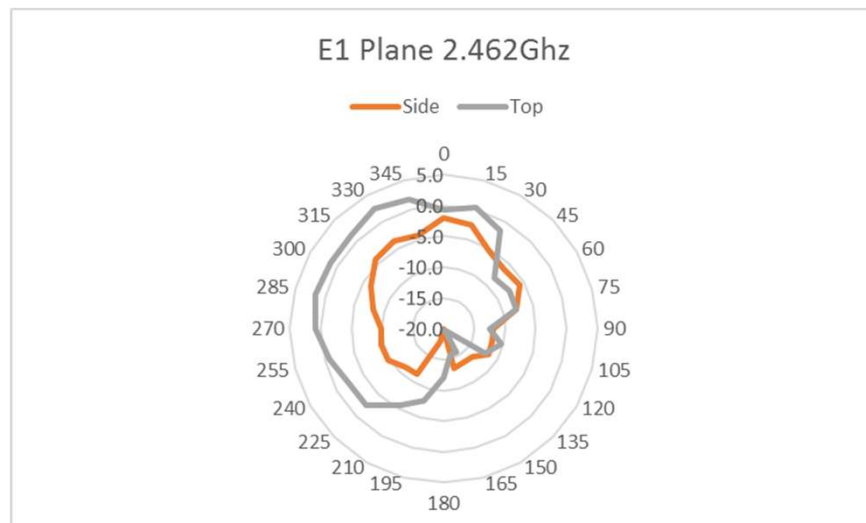
E2 Plane 2.437Ghz



H Plane 2.437Ghz

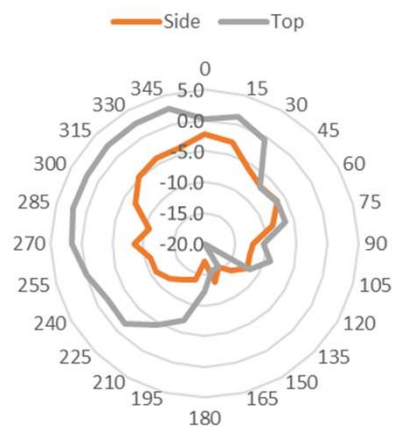


2462MHZ radiation plots

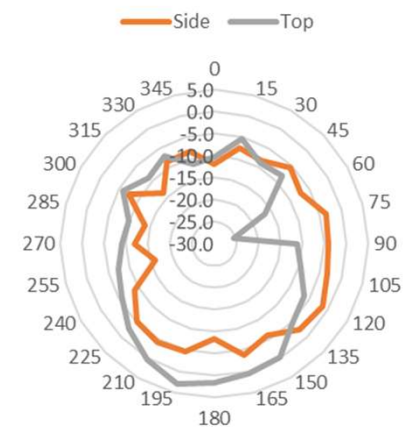


2462MHz radiation plots

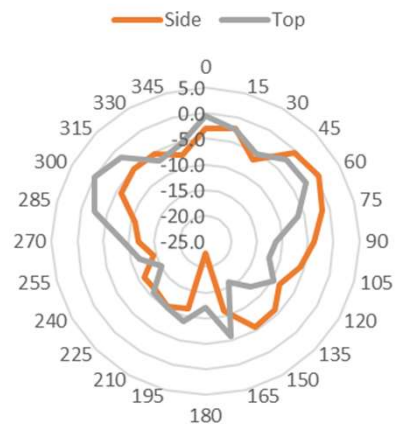
E1 Plane 2.472Ghz



E2 Plane 2.472Ghz

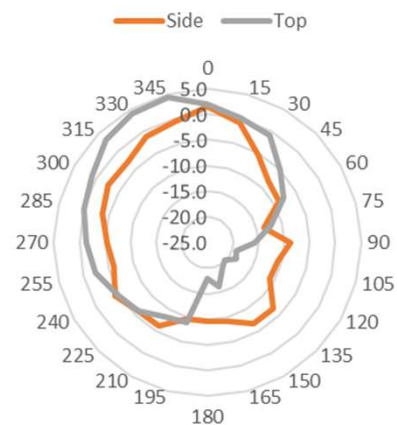


H Plane 2.472Ghz

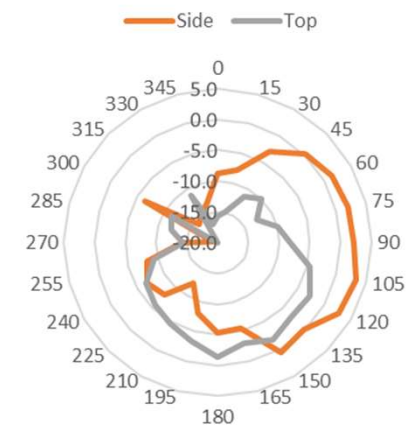


5180MHz radiation plots

E1 Plane 5.180Ghz



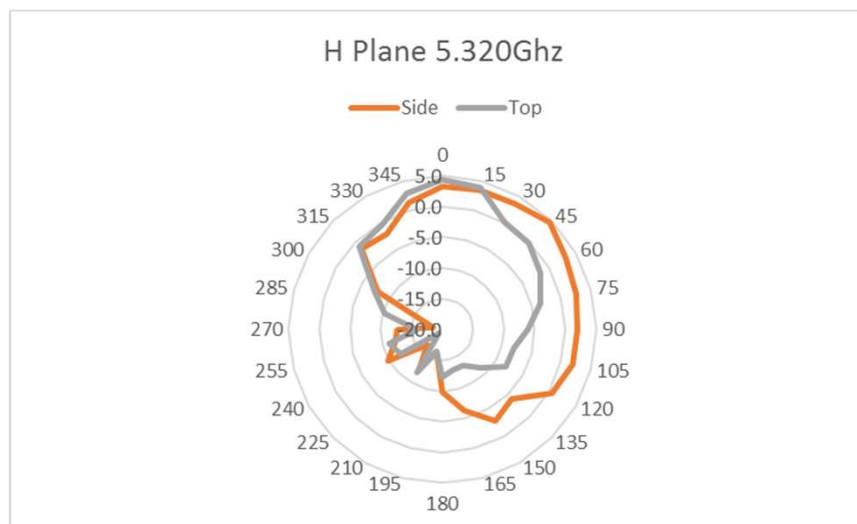
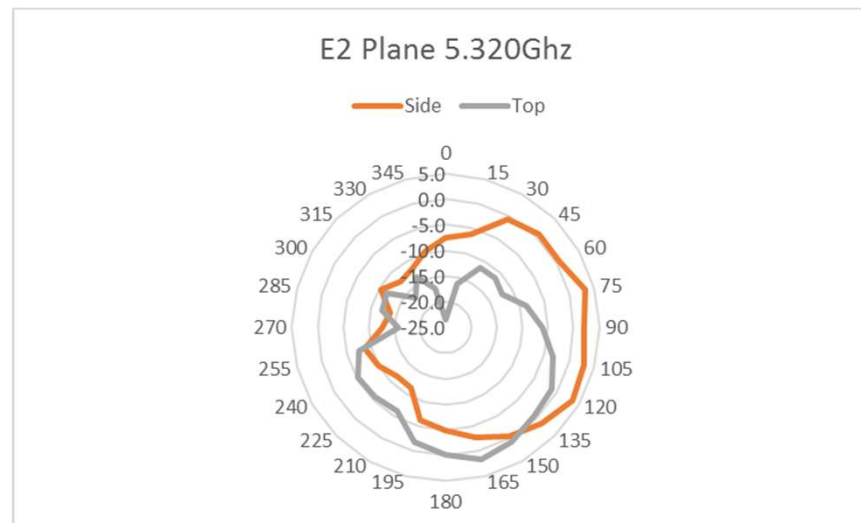
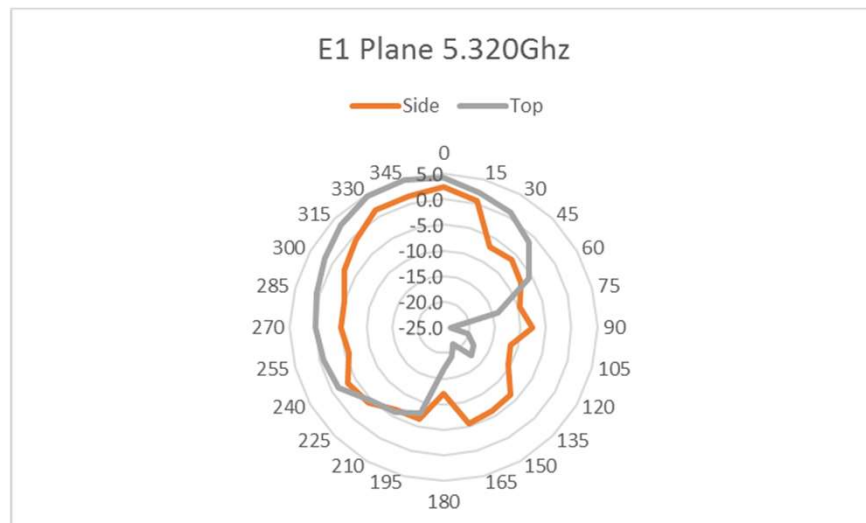
E2 Plane 5.180Ghz



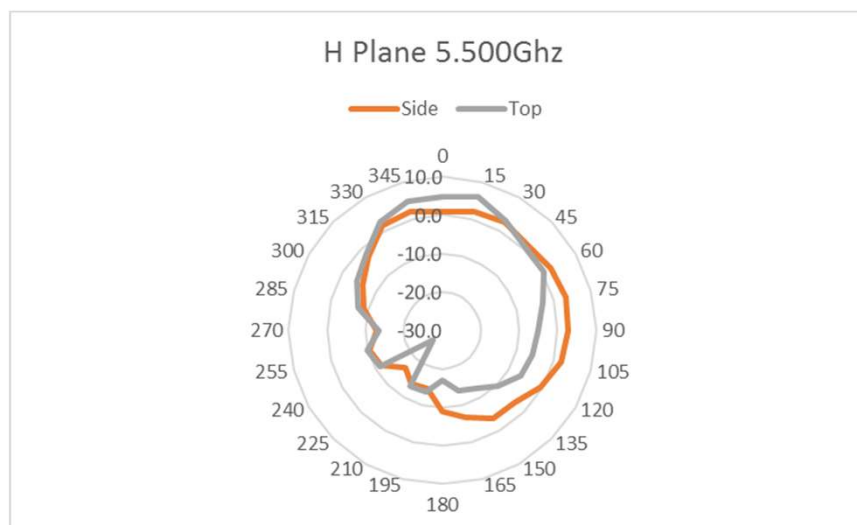
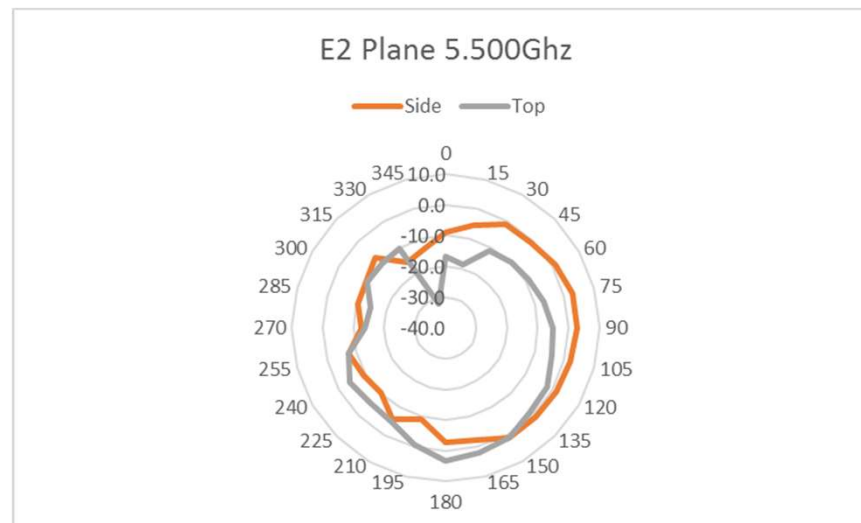
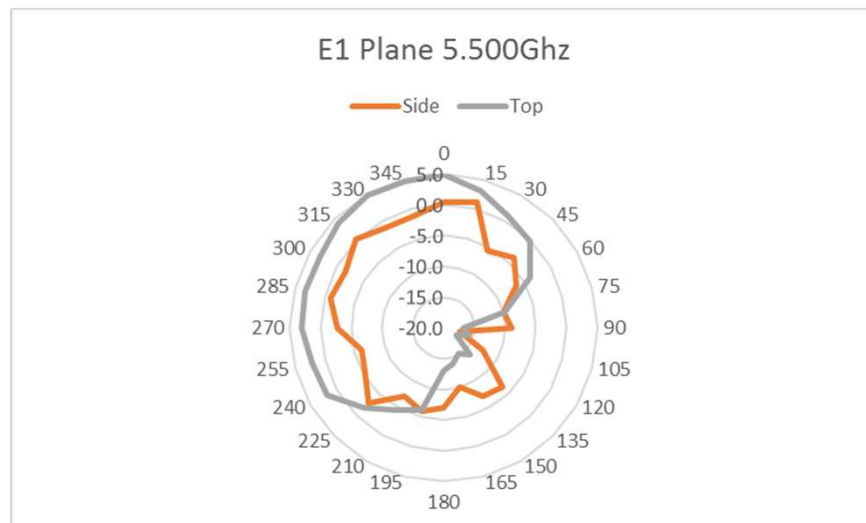
H Plane 5.180Ghz



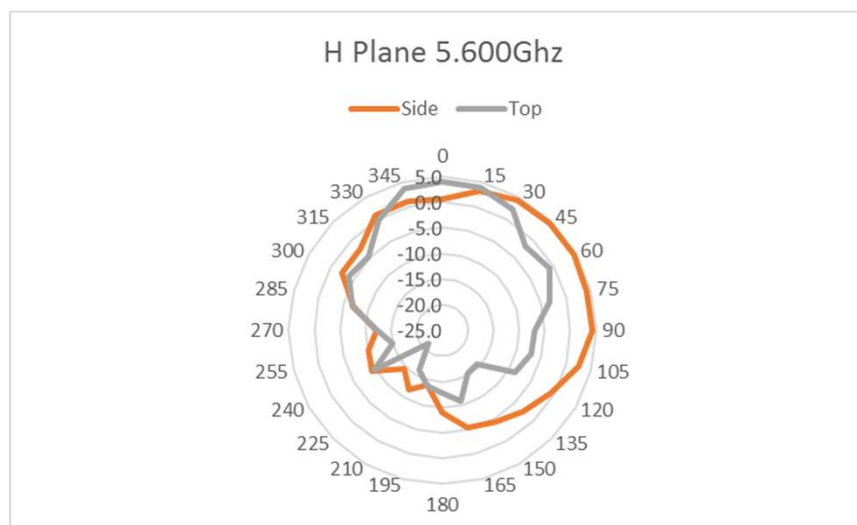
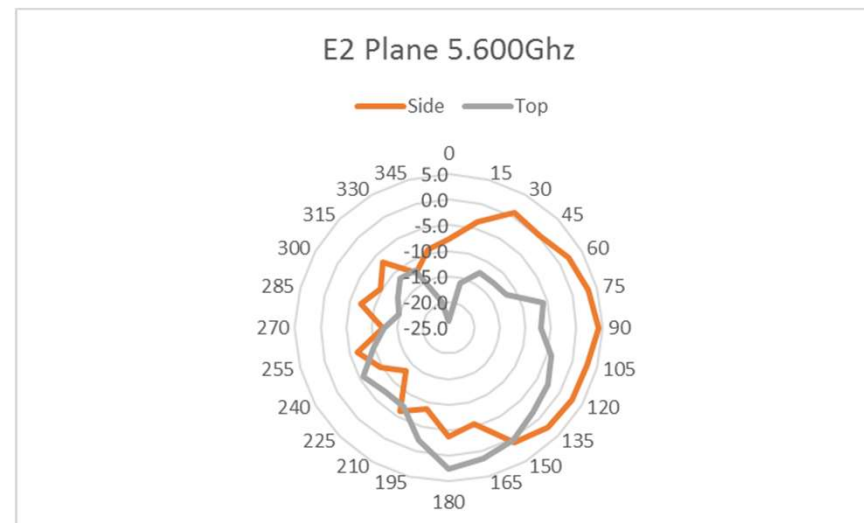
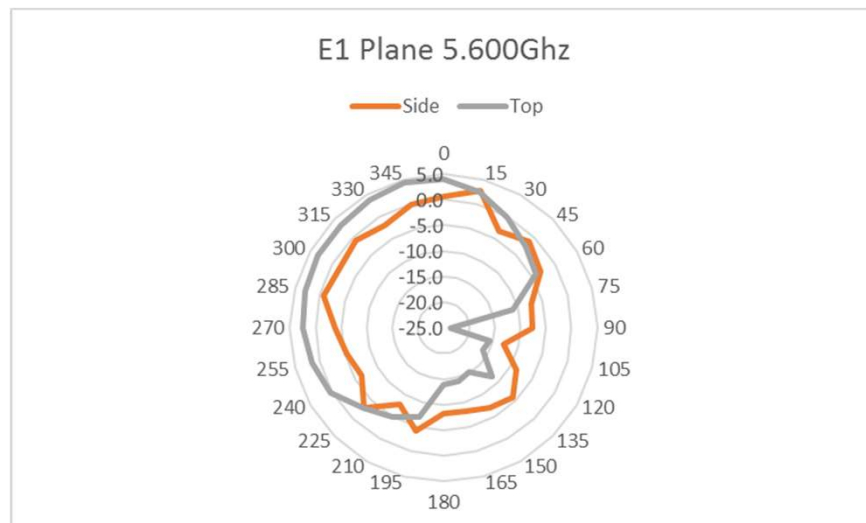
5320MHz radiation plots



5500MHZ radiation plots

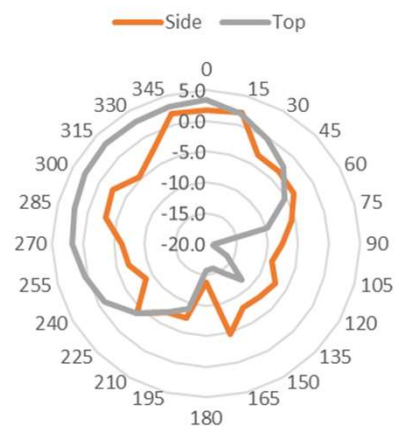


5600MHZ radiation plots

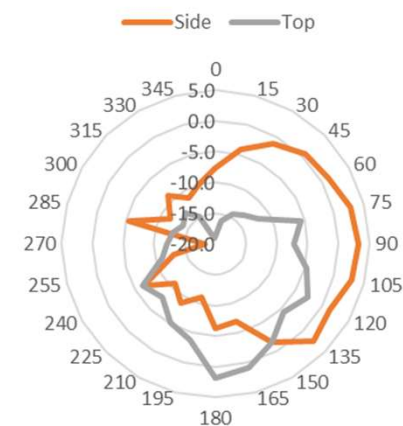


5700MHz radiation plots

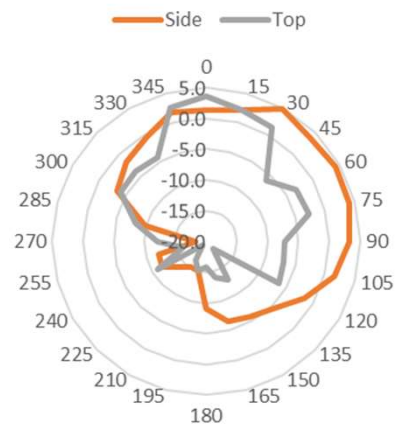
E1 Plane 5.700Ghz



E2 Plane 5.700Ghz

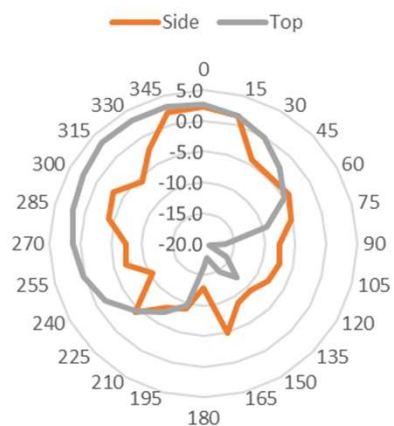


H Plane 5.700Ghz

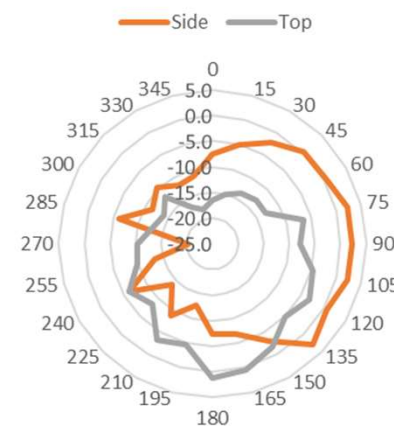


5825MHz radiation plots

E1 Plane 5.825Ghz



E2 Plane 5.825Ghz



H Plane 5.825Ghz

