

# ***VM1A WLAN/BT ANTENNA***

## ***With Quick Mount 1***

### ***Test Report***

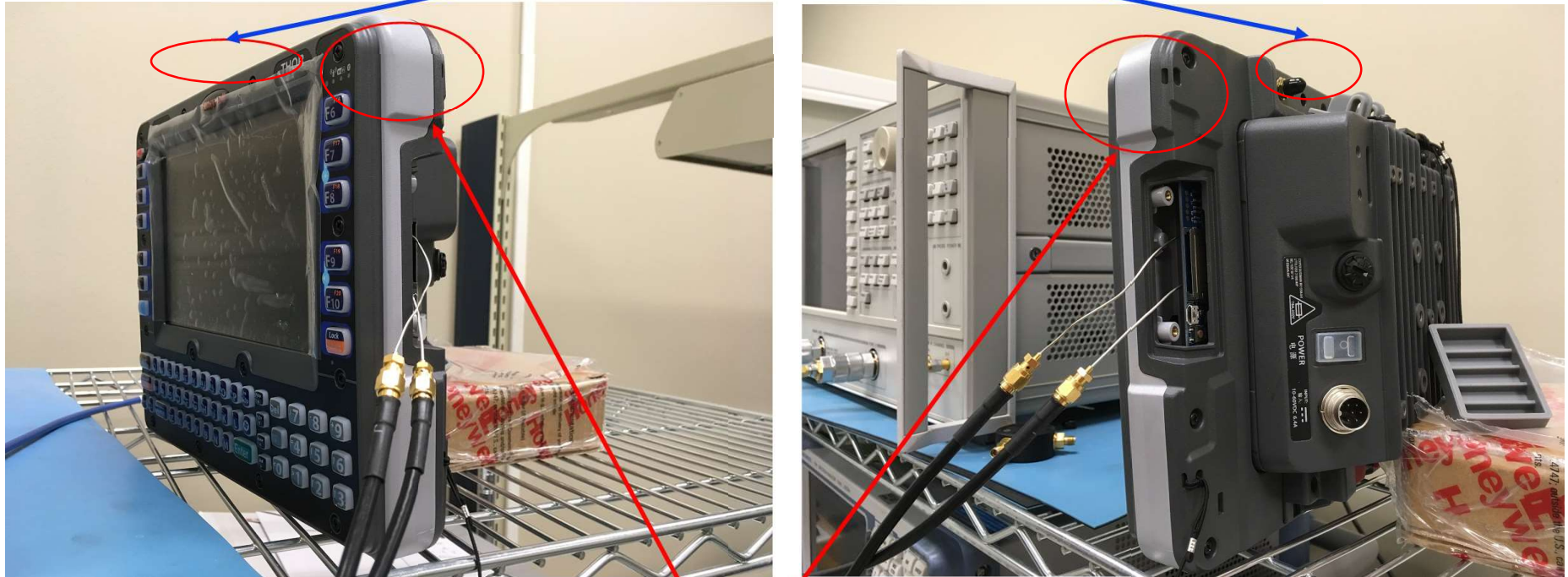
***Model: VM1A\_Int\_Ant***

***Type: Printed***

***Rev 1***

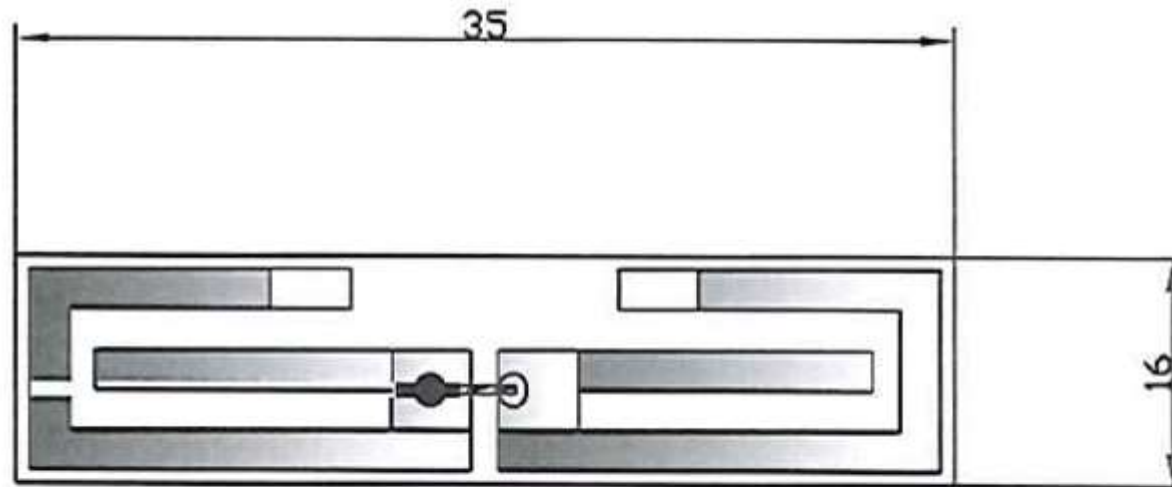
# Antenna Position Location

Auxiliary antenna (WiFi)



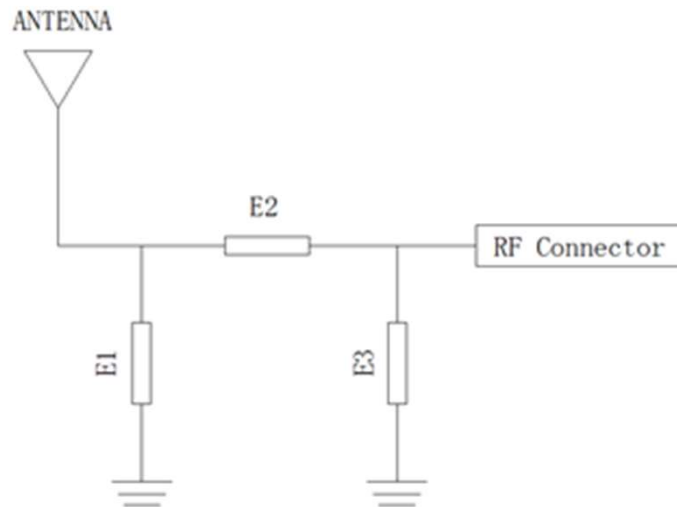
Primary antenna (BT+ WiFi)

# Antenna Dimension



L x W in mm

# Matching Circuit Detail

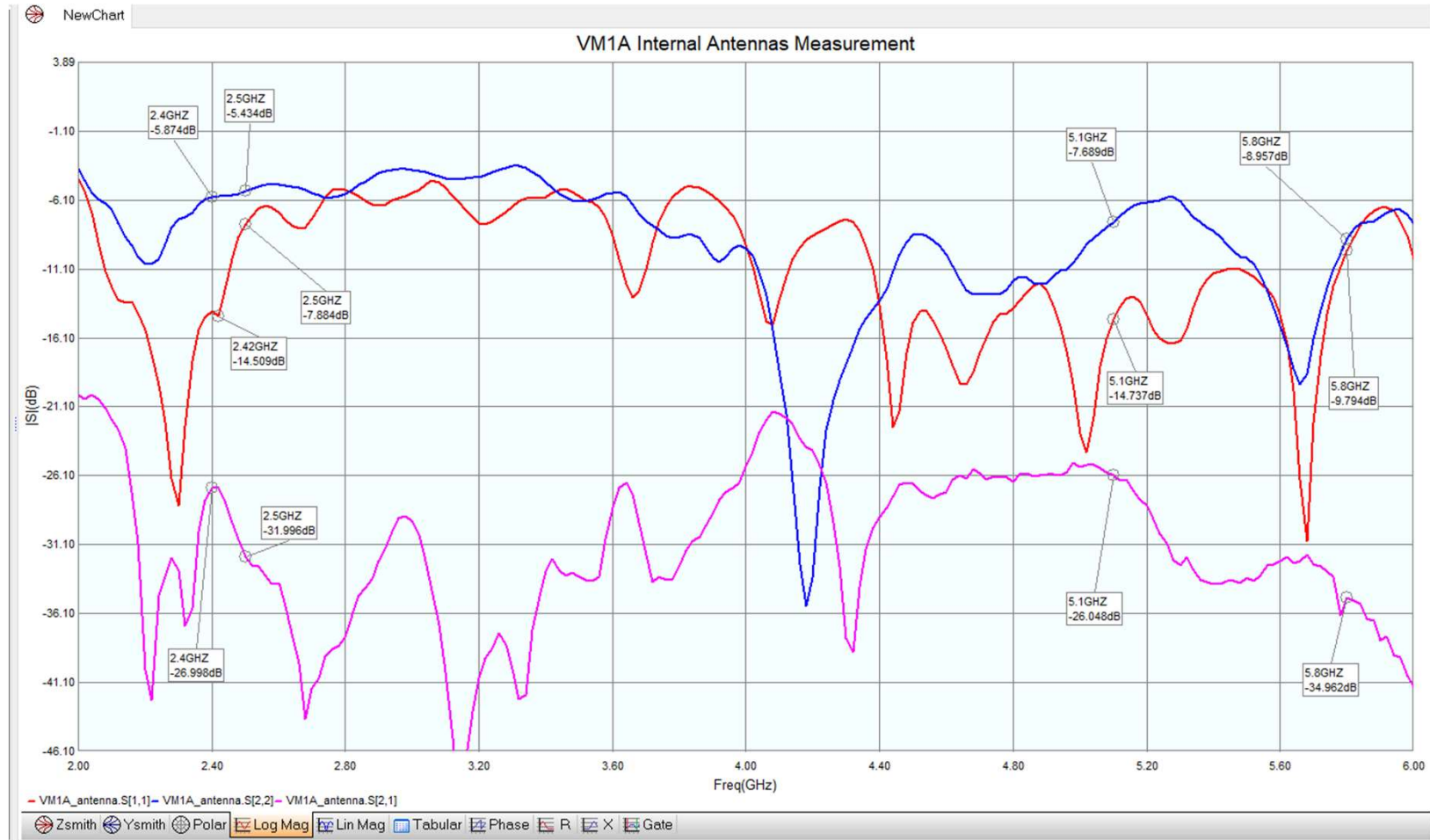


E1=Null E2=0-ohm E3=Null

Primary and Aux matching are same

# VSWR & Isolation

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

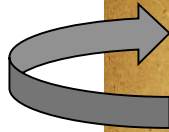


# Performance Summary

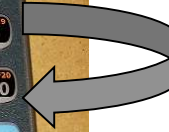
	Peak Gain(dBi)		Efficiency (%)	
	Left (Main)	Top (Aux)	Left (Main)	Top (Aux)
2412	1.1	2.7	32	35
2437	0.2	2.1	31	33
2462	0.4	2.6	30	35
2472	0.5	2.6	28	42
5180	4.7	4.4	60	40
5320	4.6	4.7	69	55
5500	3.2	4.9	60	66
5600	4.7	4.4	67	56
5700	4.8	3.7	67	42
5885	4.7	3.4	60	40

# H-Plane definition

270 Degrees



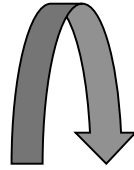
90 Degrees



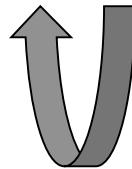


# E1-Plane definition

270 Degrees



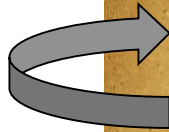
90 Degrees



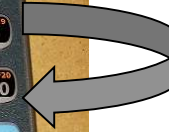


# E2-Plane definition

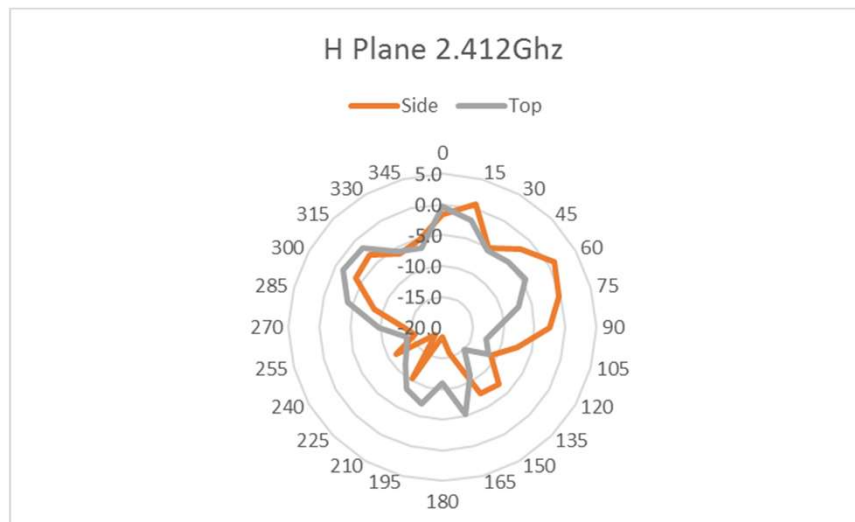
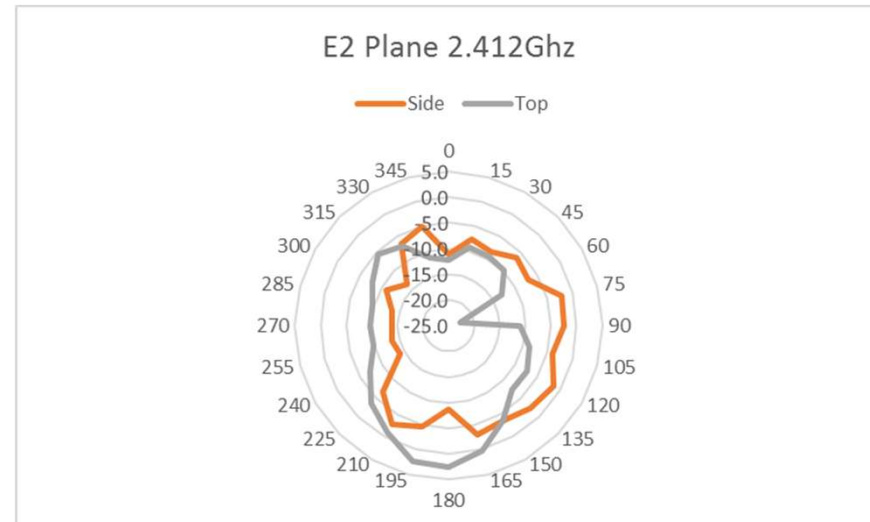
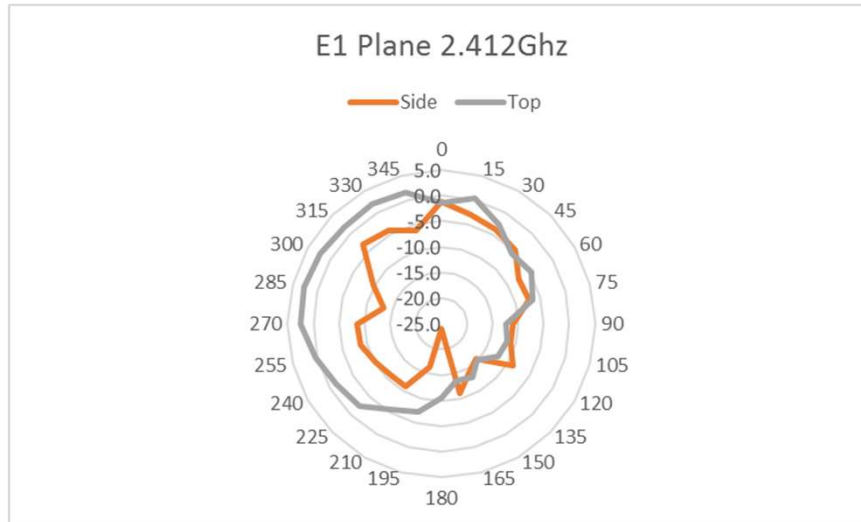
270 Degrees



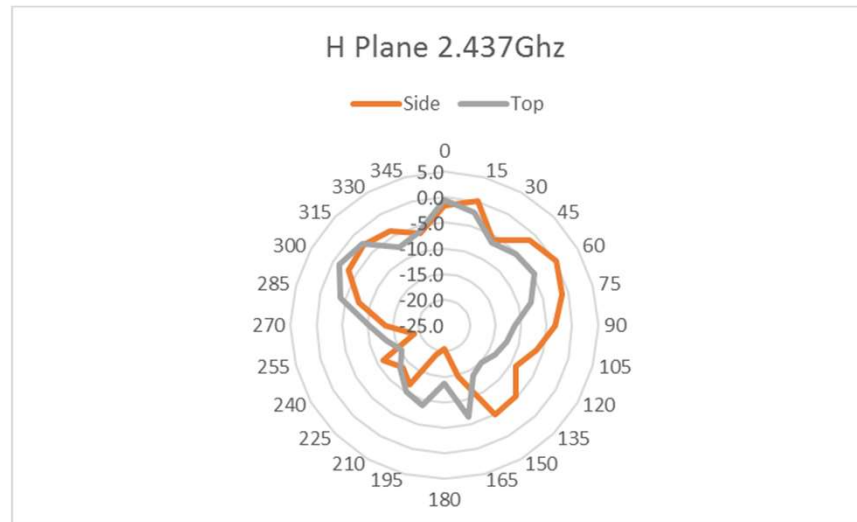
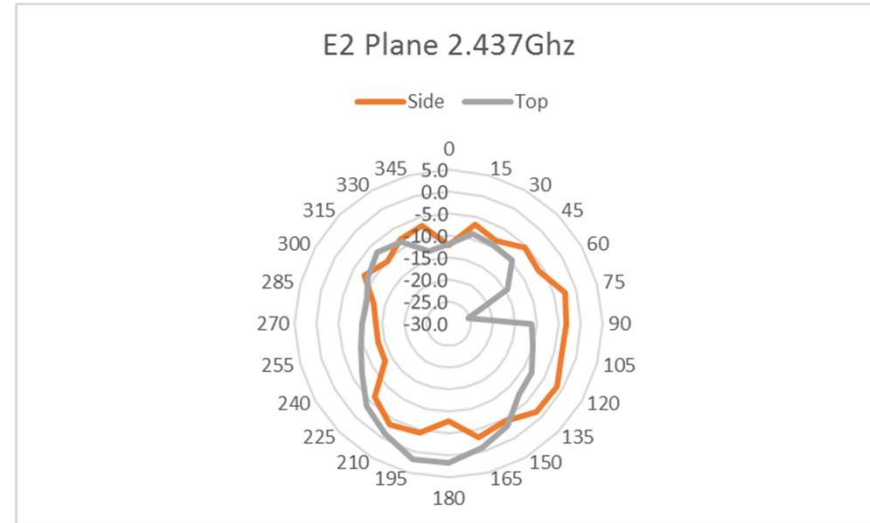
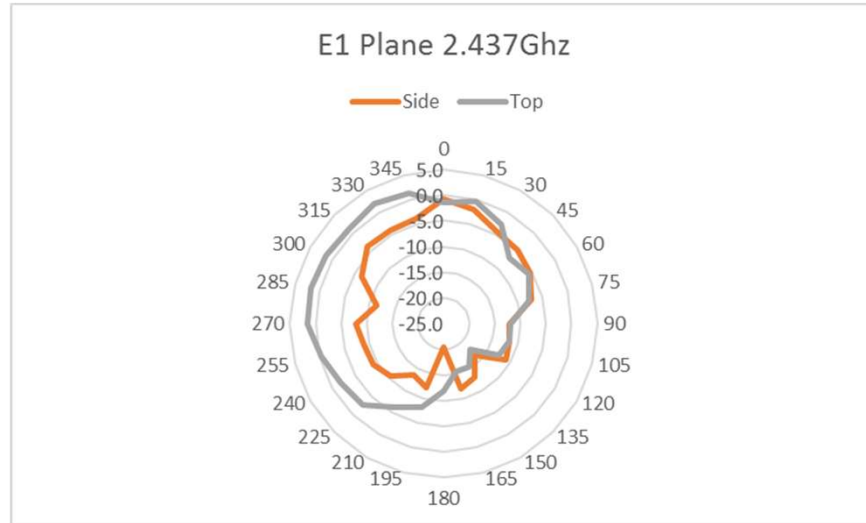
90 Degrees



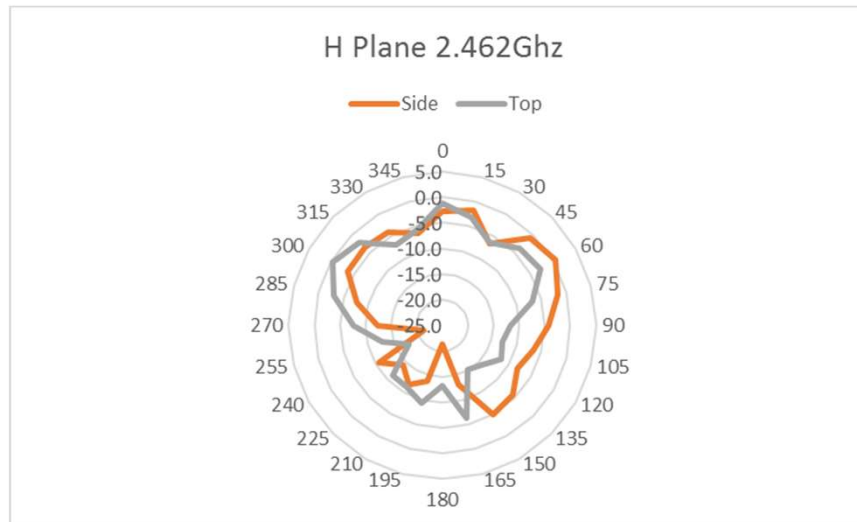
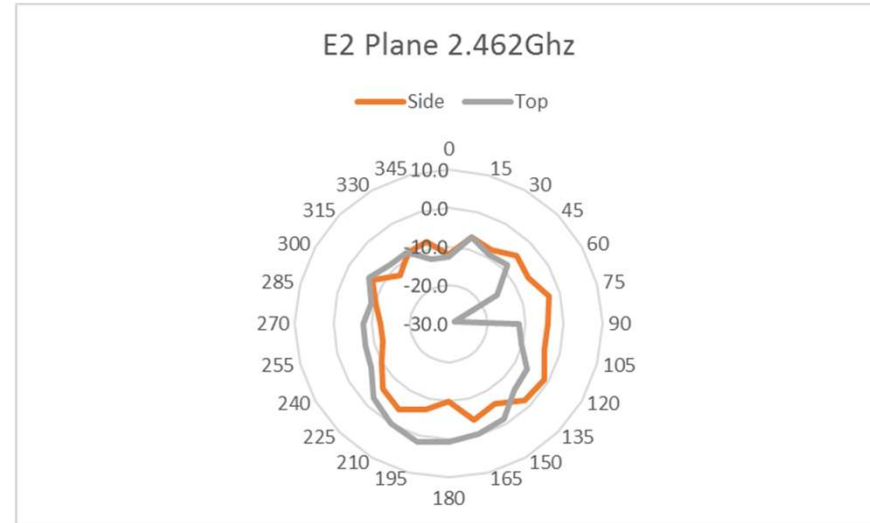
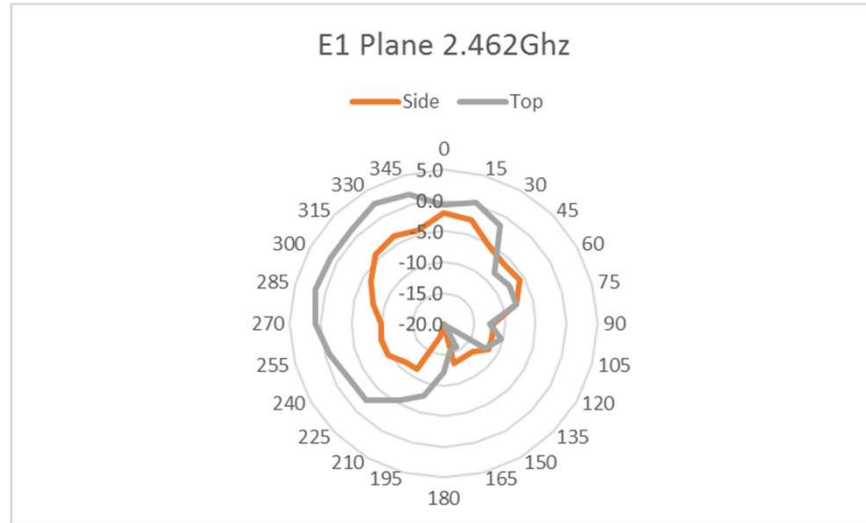
# 2412MHz radiation plots



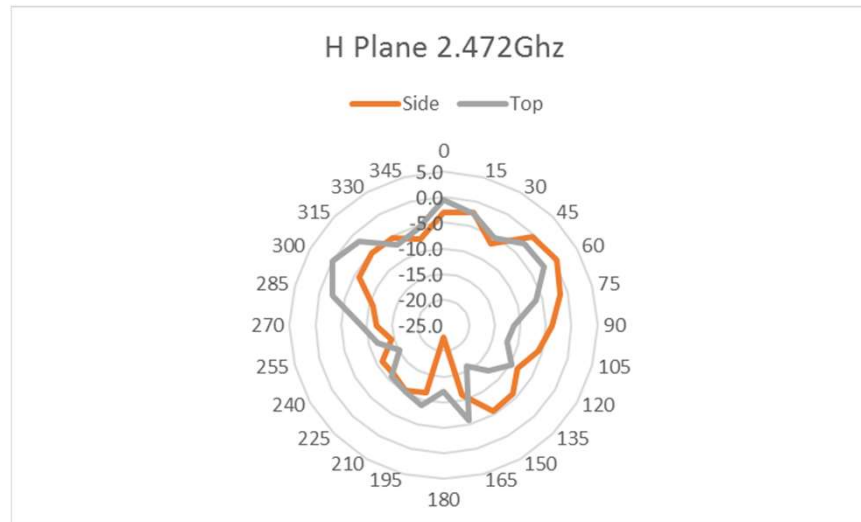
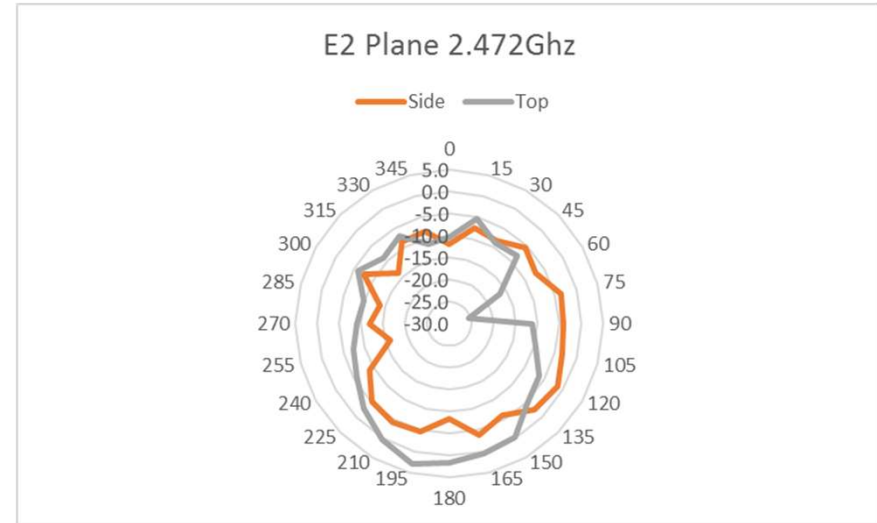
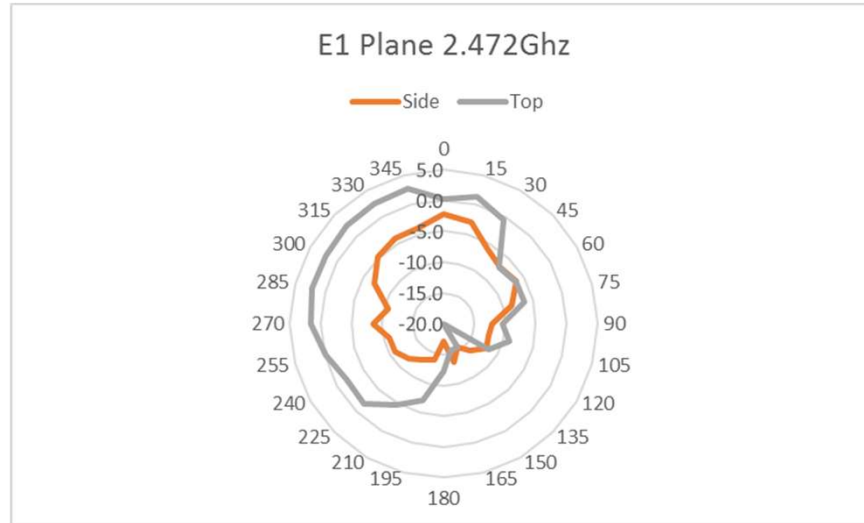
# 2437MHz radiation plots



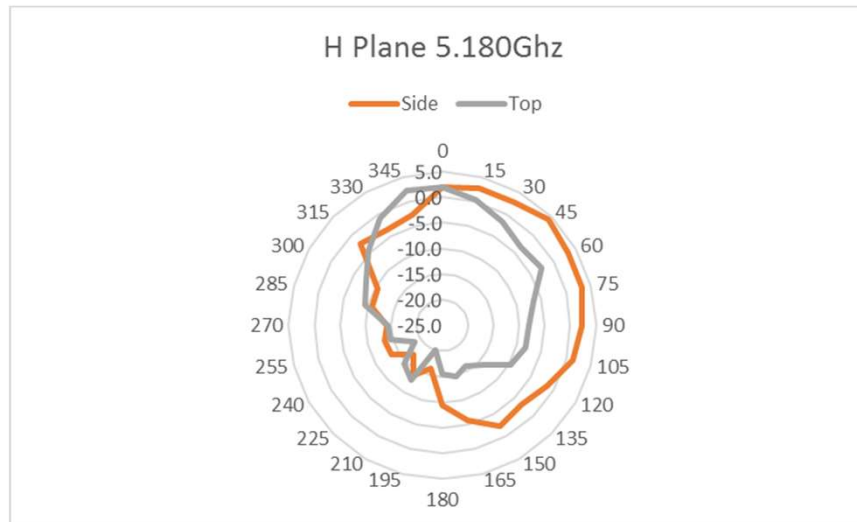
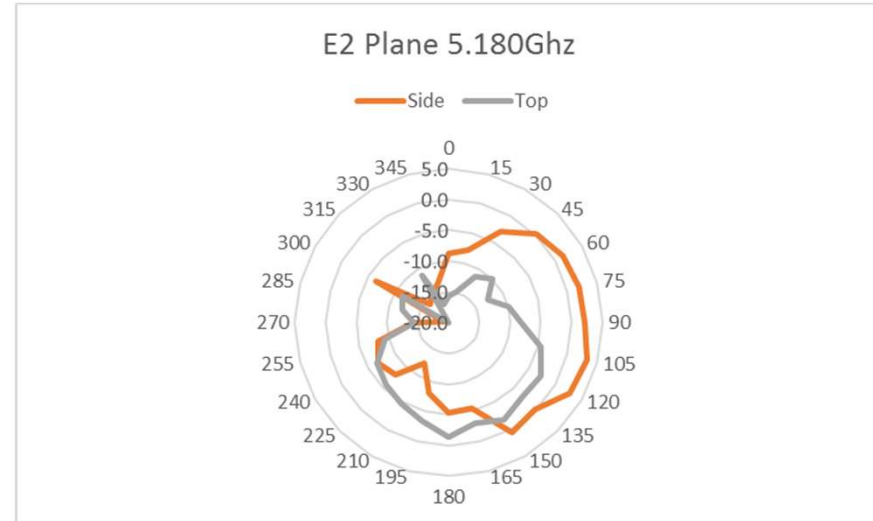
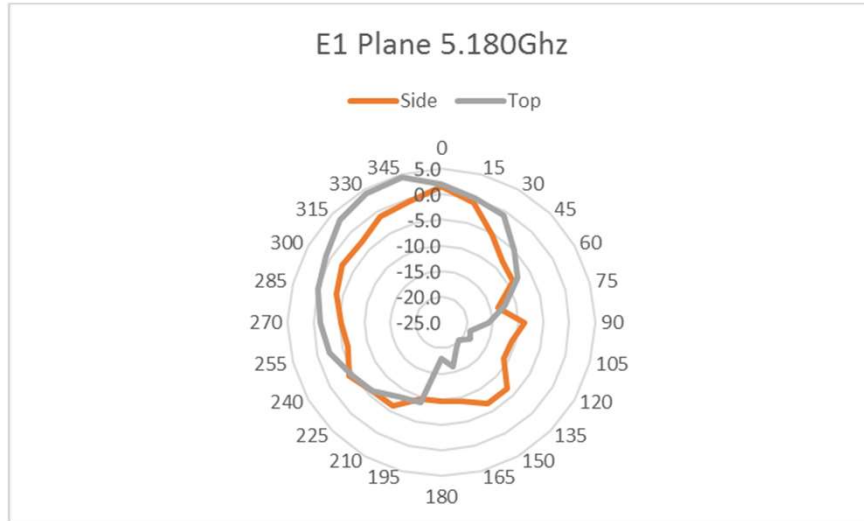
# 2462MHz radiation plots



# 2462MHz radiation plots

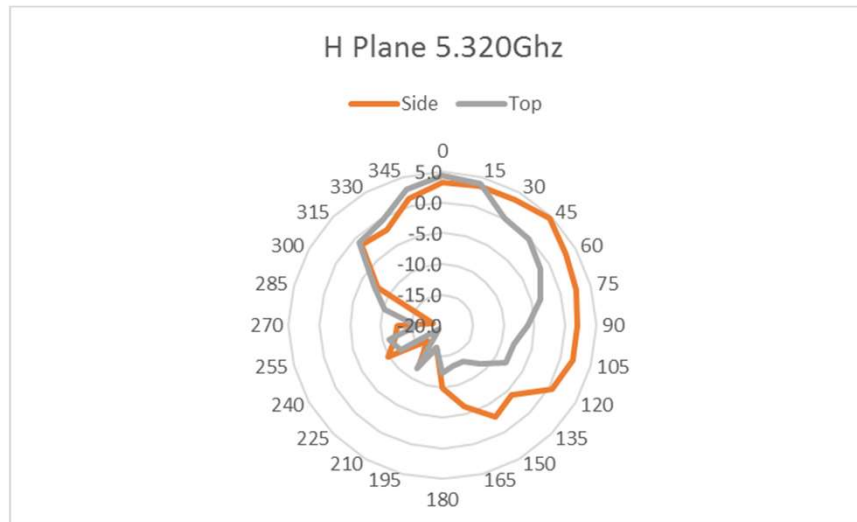
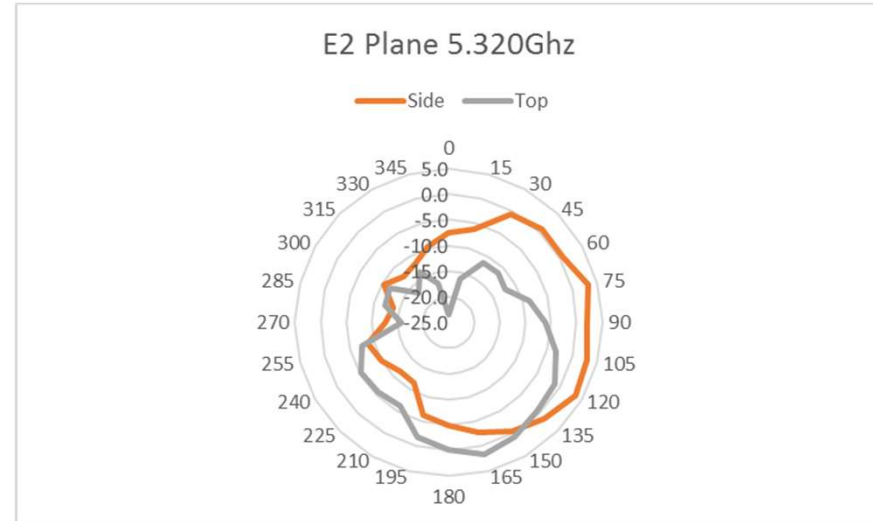
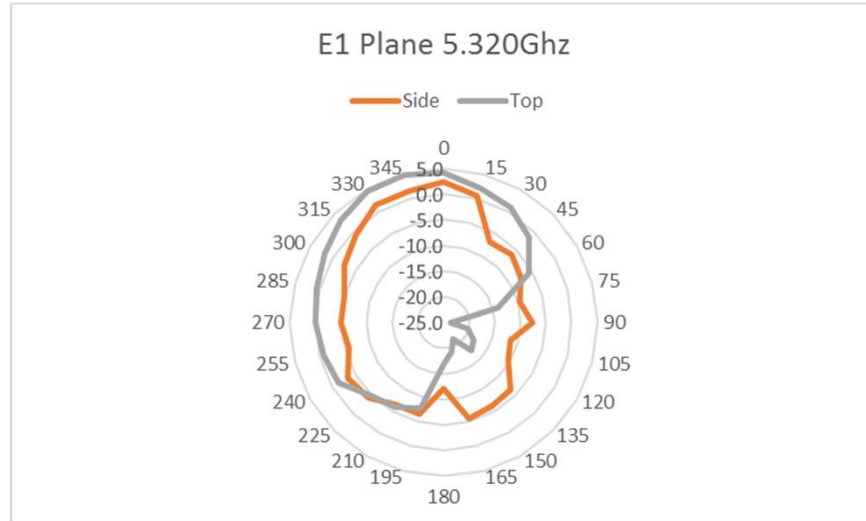


# 5180MHz radiation plots

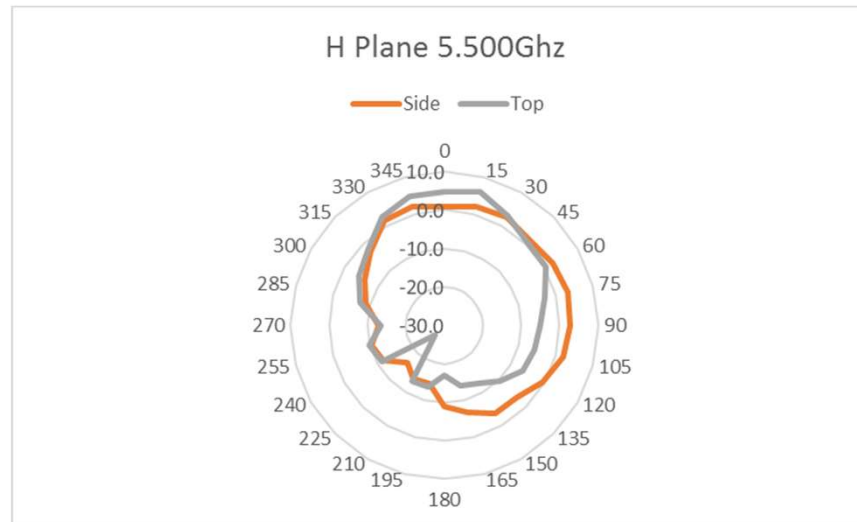
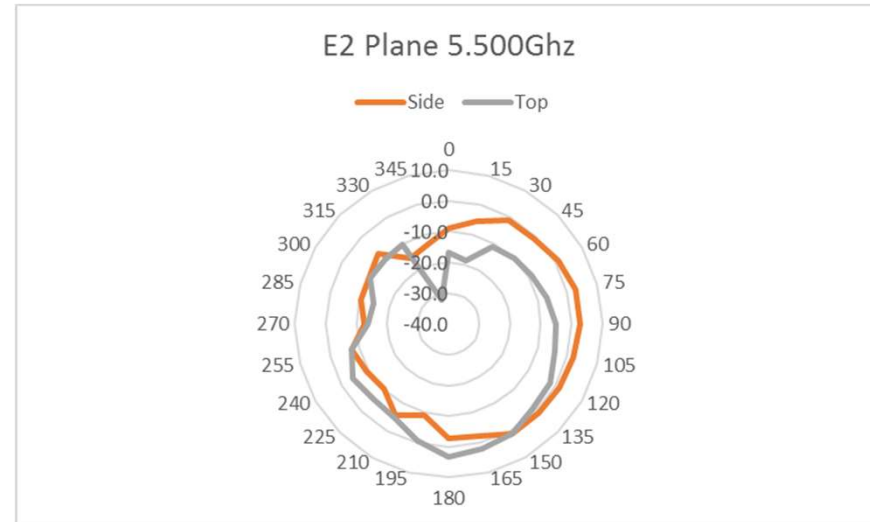
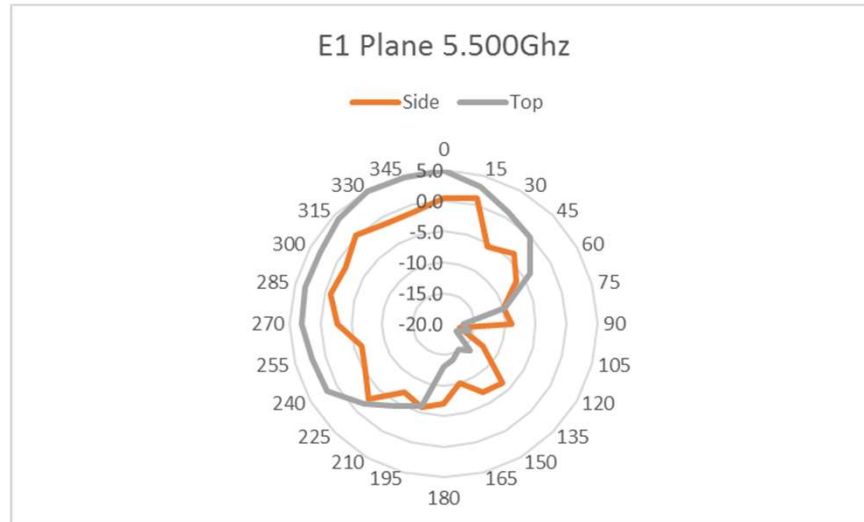




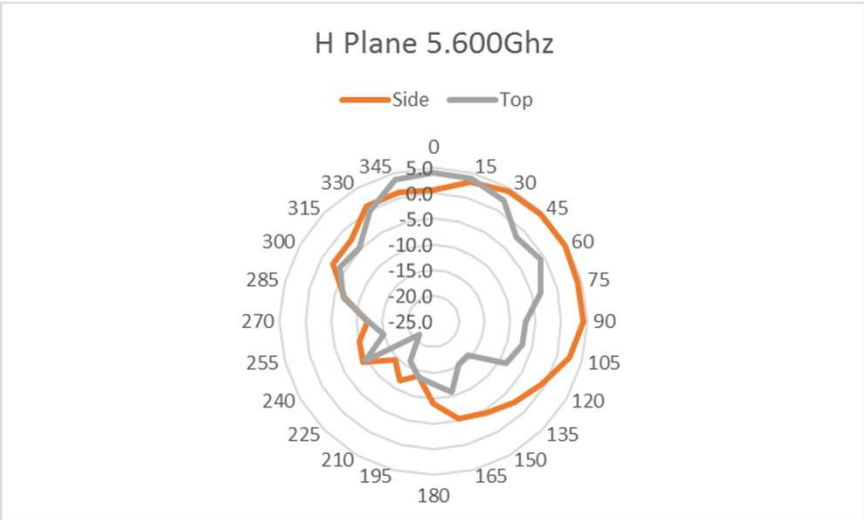
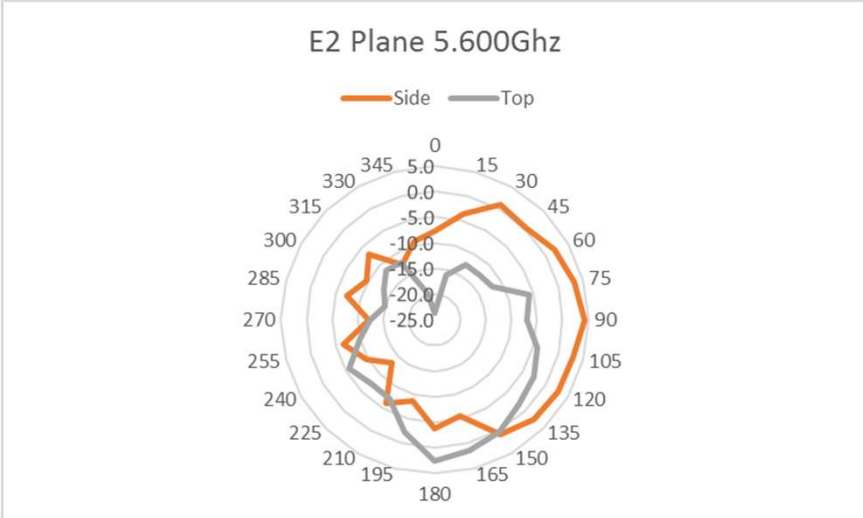
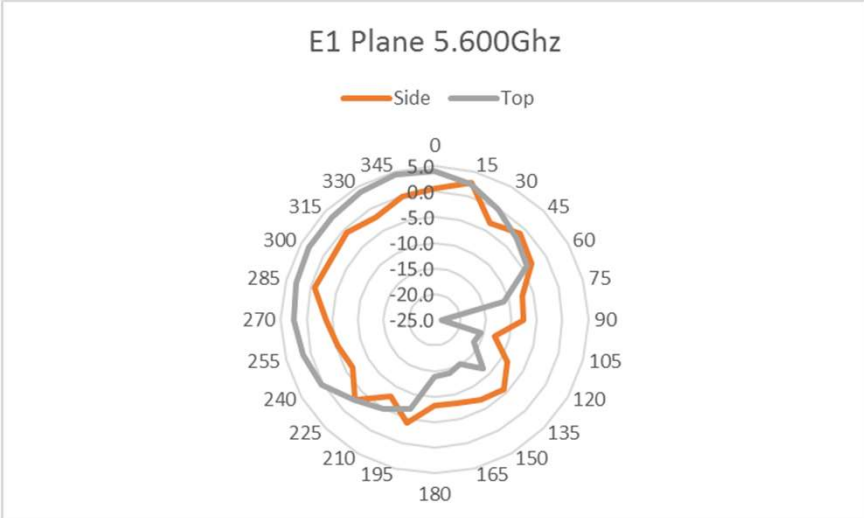
# 5320MHz radiation plots



# 5500MHz radiation plots

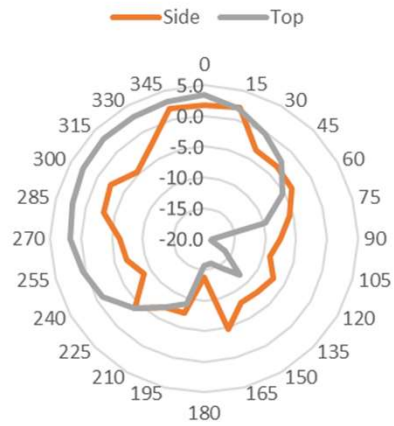


# 5600MHz radiation plots

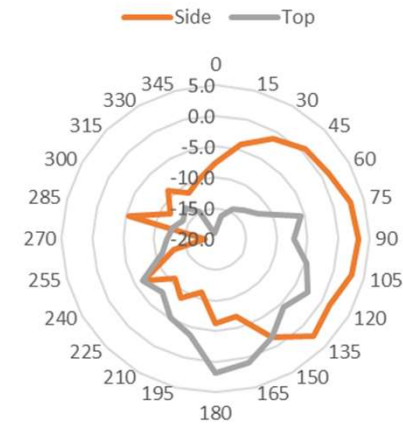


# 5700MHz radiation plots

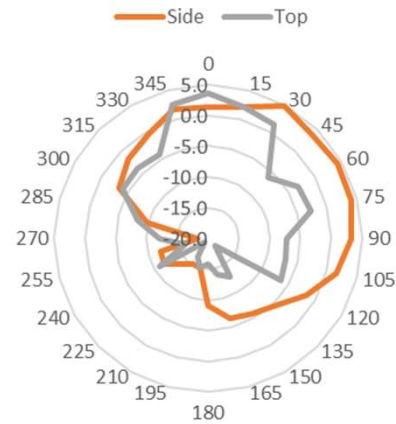
E1 Plane 5.700Ghz



E2 Plane 5.700Ghz

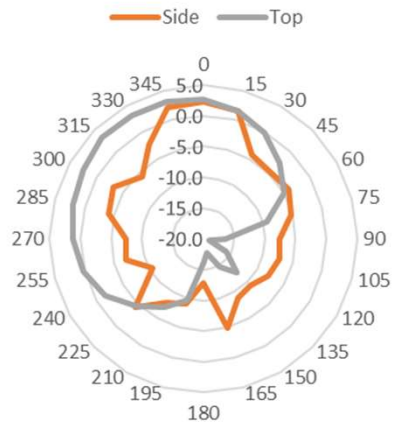


H Plane 5.700Ghz

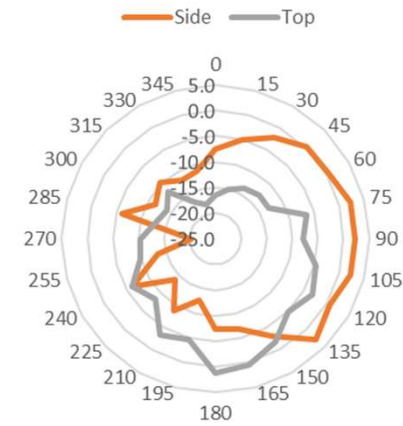


# 5825MHz radiation plots

E1 Plane 5.825Ghz



E2 Plane 5.825Ghz



H Plane 5.825Ghz

