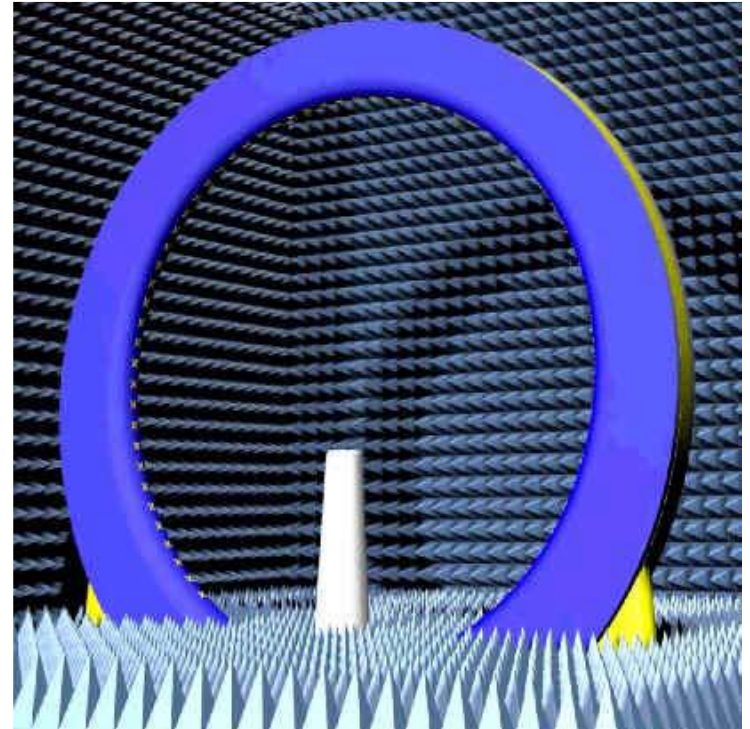
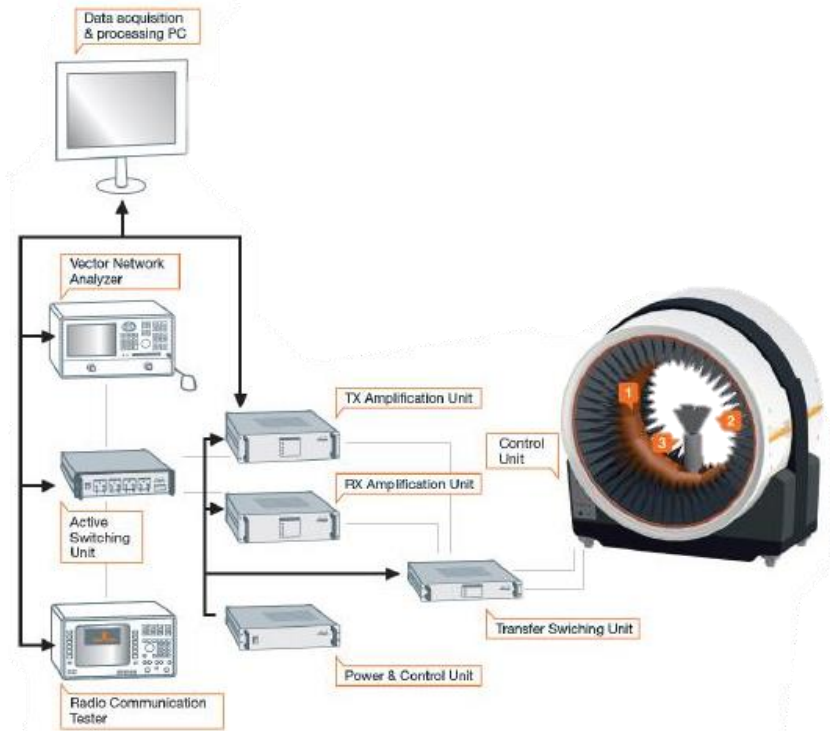


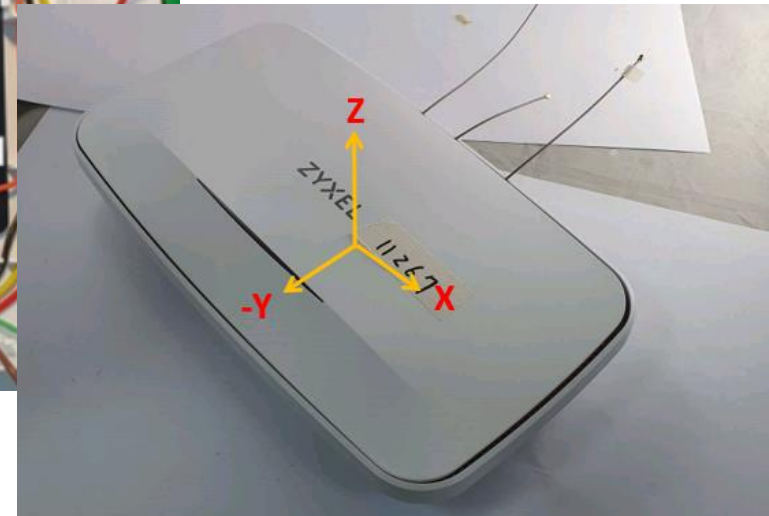
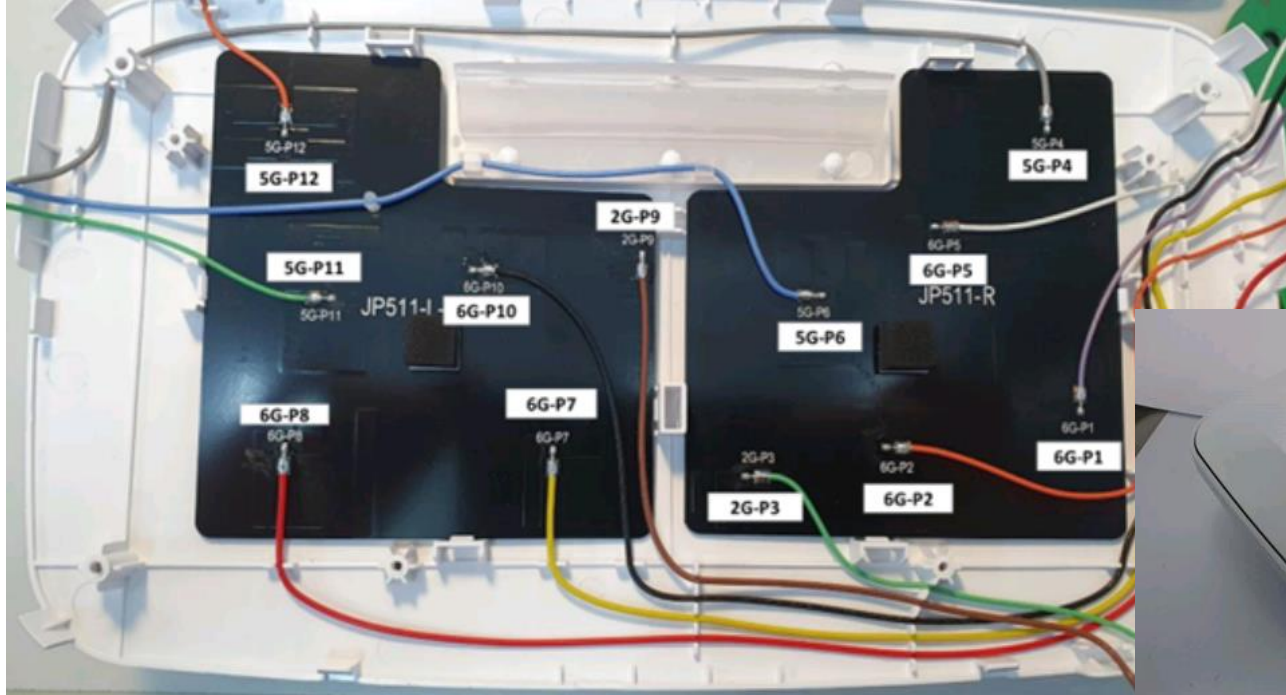
# WAX640S Antenna Pattern

# Antenna Measure equipment

SATIMO Antenna measure system



# WAX640S- Antenna Placement



2.4Gx2,  
5Gx4, Antenna diversity, two mode  
6E x6, Antenna diversity, two mode

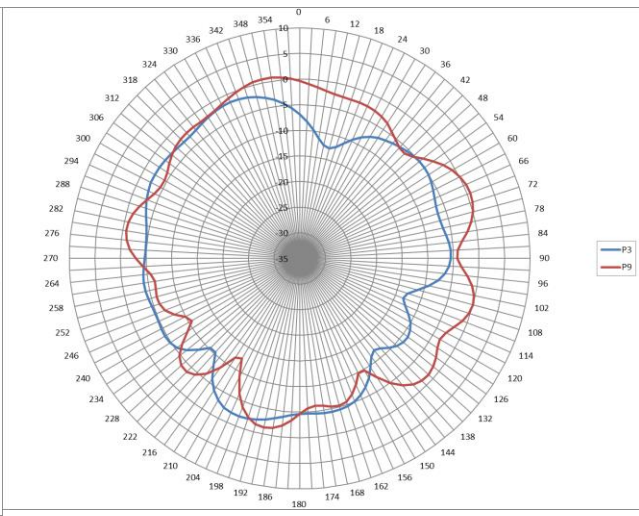
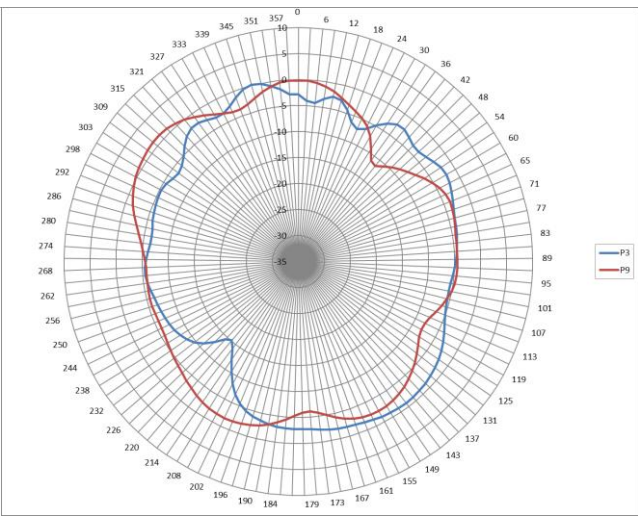
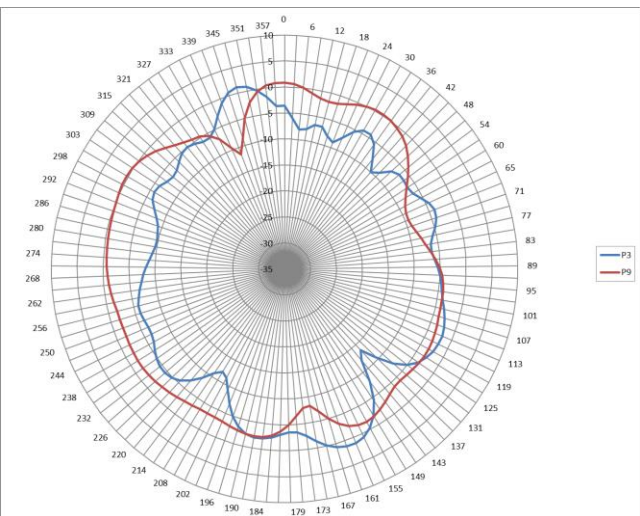
# Radio1: 2.4G Antenna

		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
2400~2483.5MHz	P3	1.2	0.15	-1.59
	P9	0.8	1.14	0.75

XZ-Plane

YZ-Plane

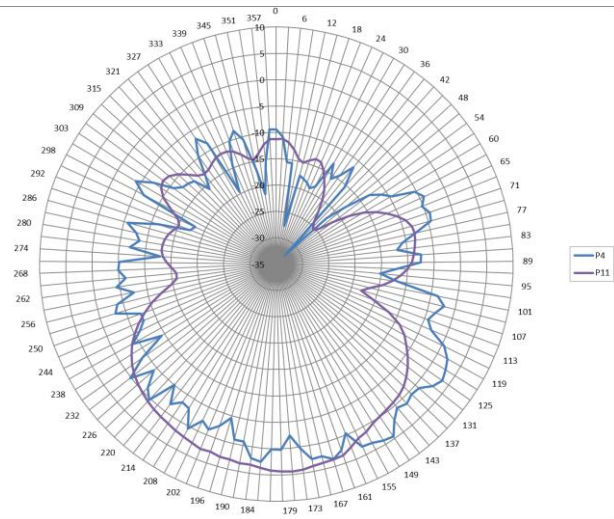
XY-Plane



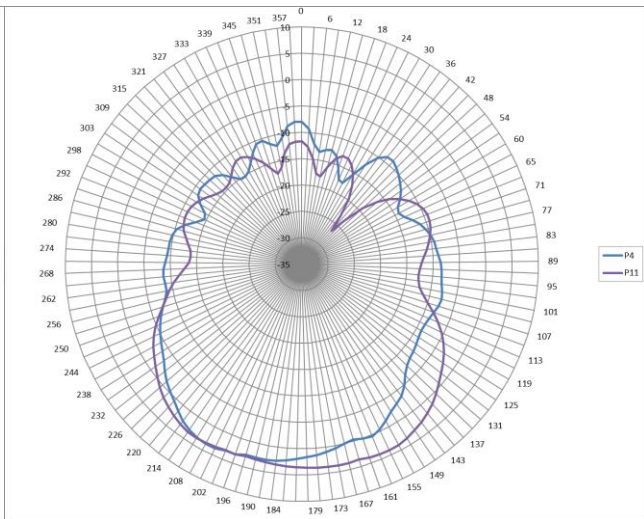
# Radio 2: 5G Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5150~5250MHz	P4	4.58	3.69	-0.15
	P11	4.46	4.02	-5.21

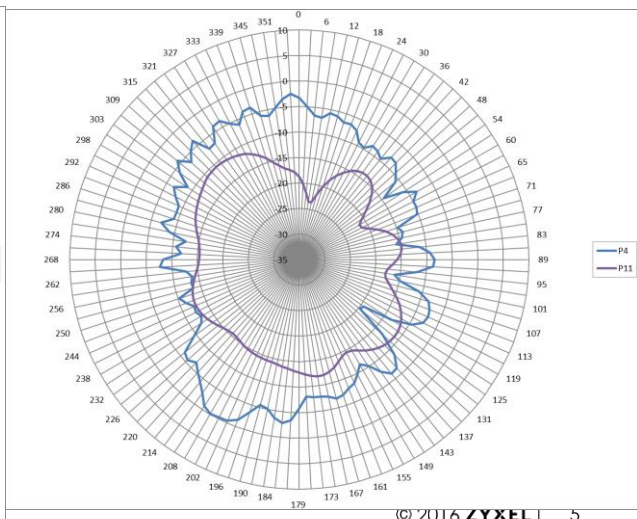
XZ-Plane



YZ-Plane



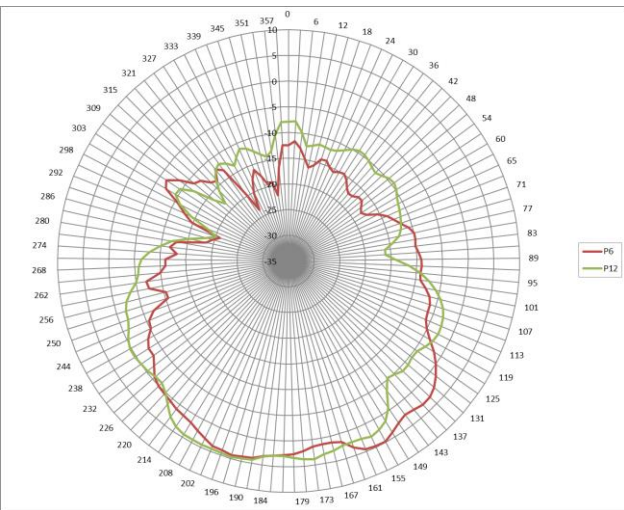
XY-Plane



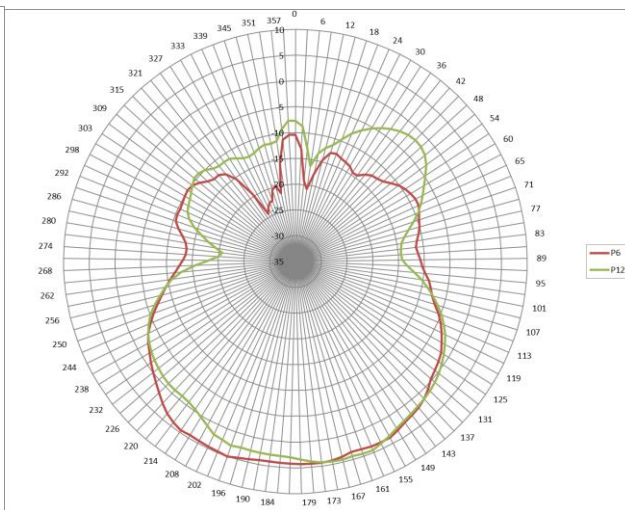
# Radio 2: 5G Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5150~5250MHz	P6	4.87	5.04	-5.39
	P12	4.69	4.54	-2.71

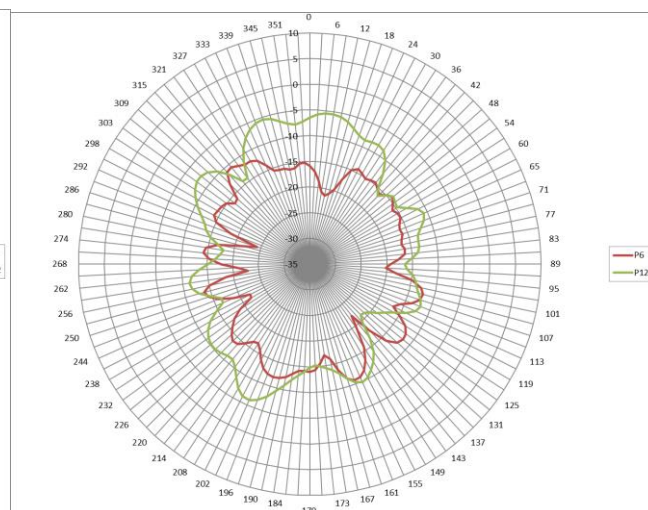
XZ-Plane



YZ-Plane



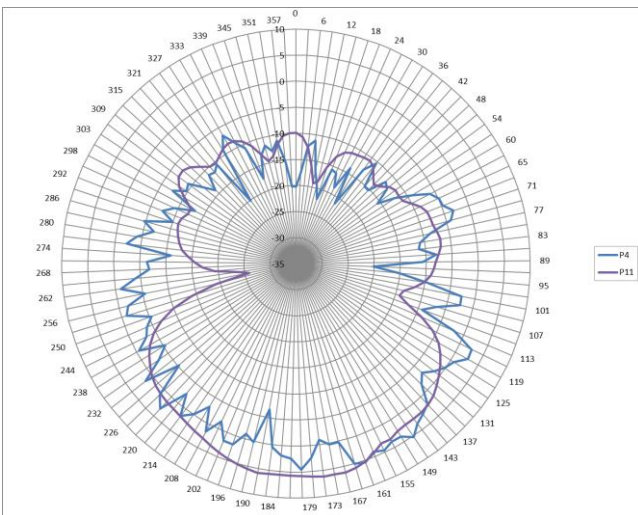
XY-Plane



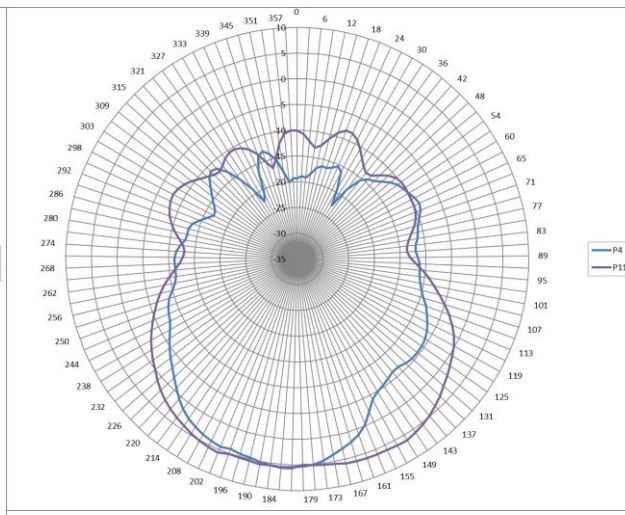
# Radio 2: 5G Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5250~5350MHz	P4	5.38	5.57	-0.53
	P11	6.22	6.19	-3.45

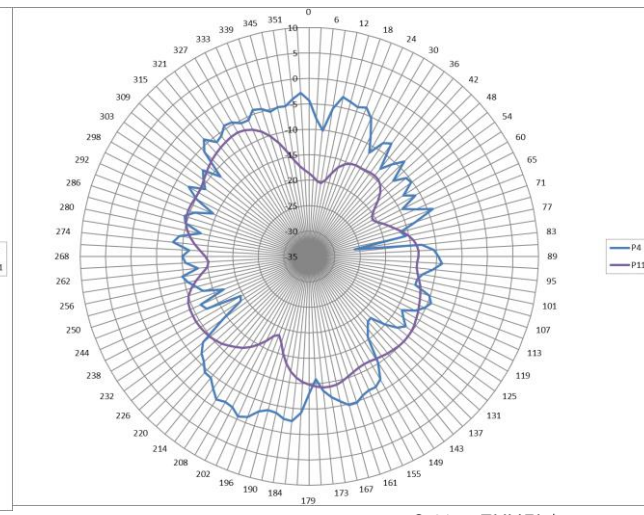
XZ-Plane



YZ-Plane



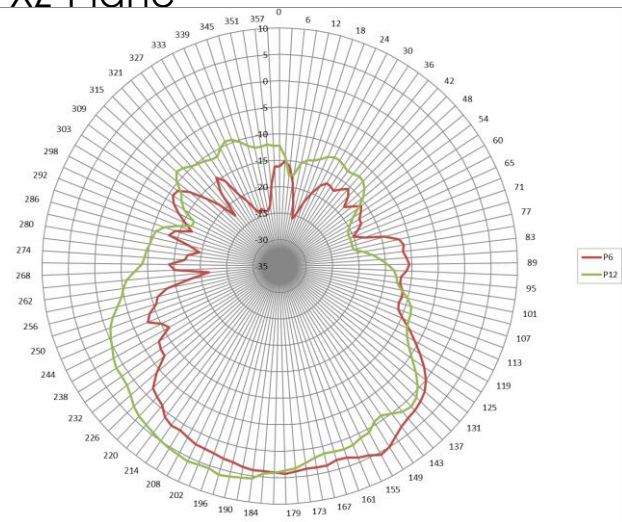
XY-Plane



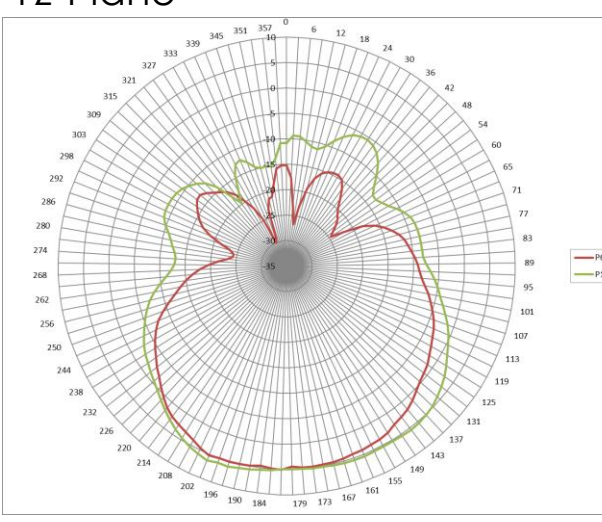
# Radio 2: 5G Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5250~5350MHz	P6	5.51	5.3	-4.57
	P12	6.14	6.29	-2.89

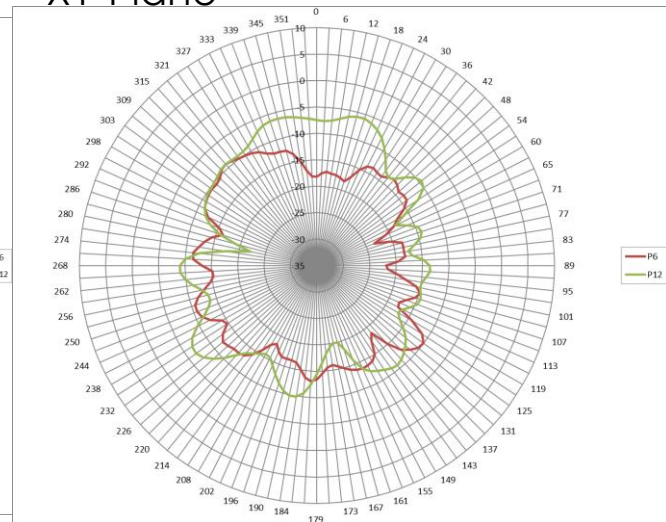
XZ-Plane



YZ-Plane



XY-Plane

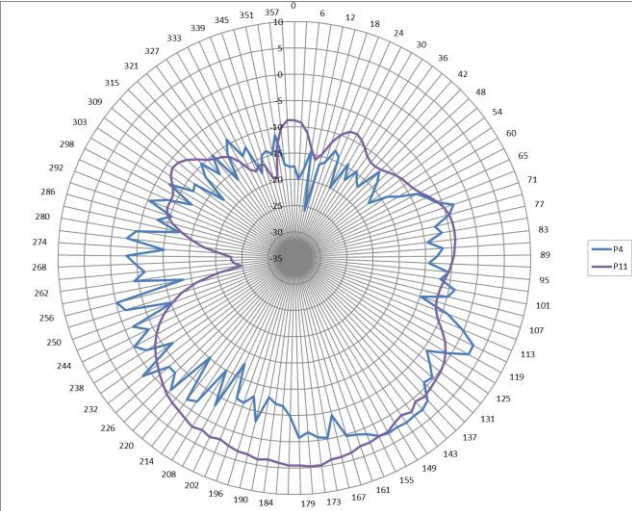




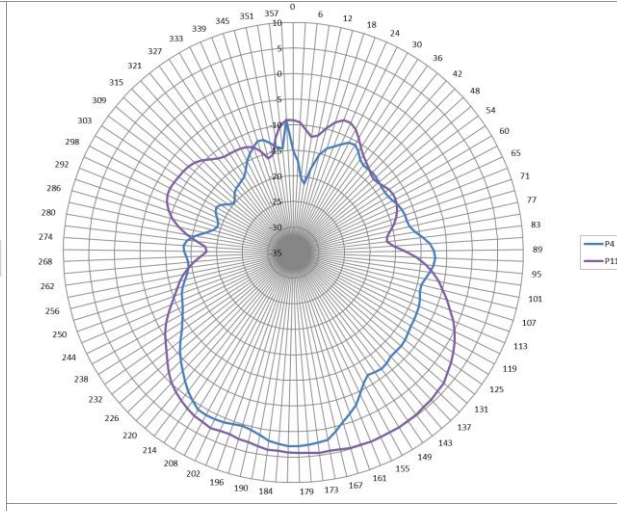
# Radio 2: 5G Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5470~5725MHz	P4	2.88	2.9	-1.08
	P11	4.8	4.97	-3.83

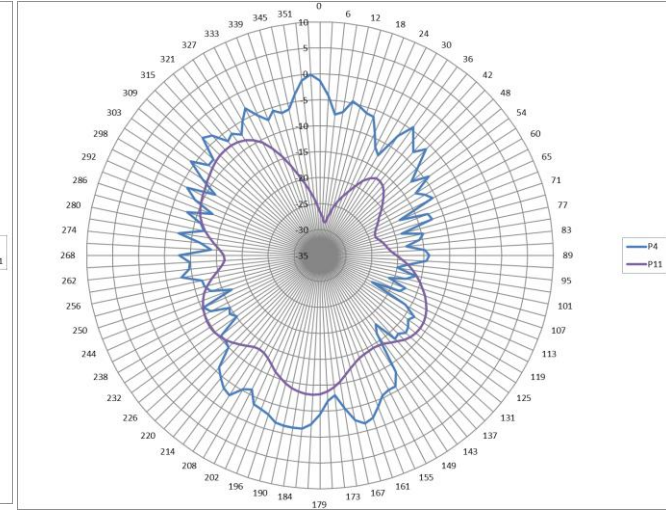
XZ-Plane



YZ-Plane



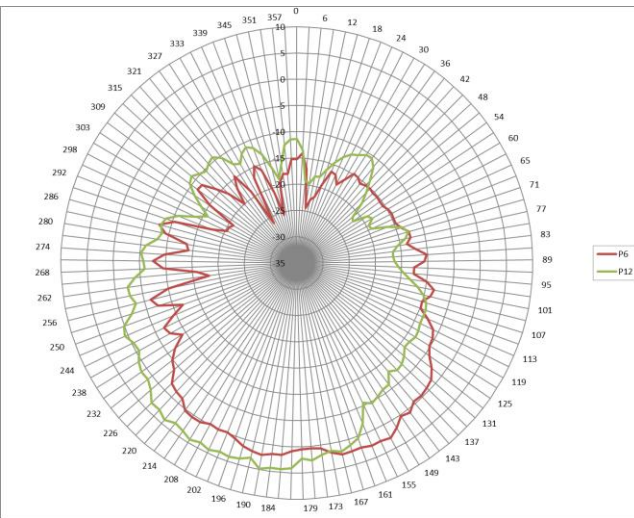
XY-Plane



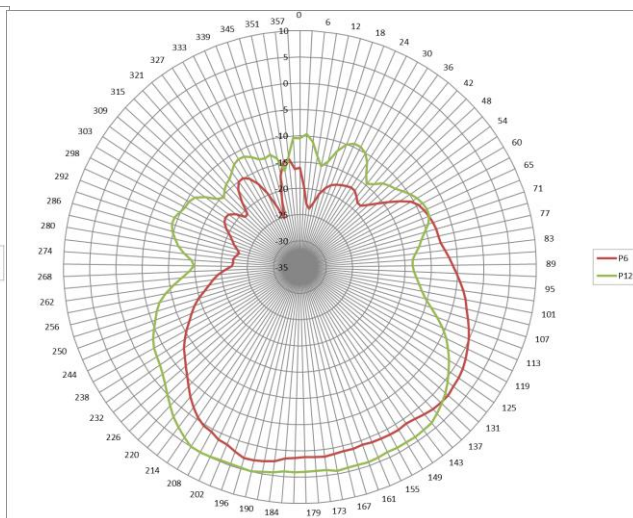
# Radio 2: 5G Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5470~5725MHz	P6	2.79	2.84	-3.68
	P12	4.81	5.04	-2.27

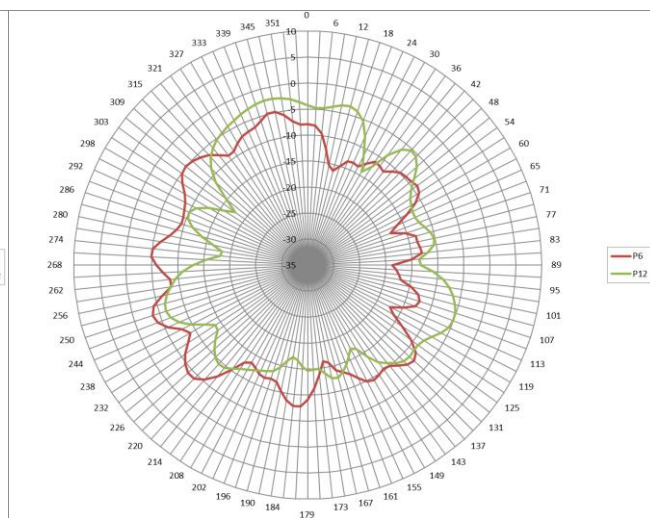
XZ-Plane



YZ-Plane



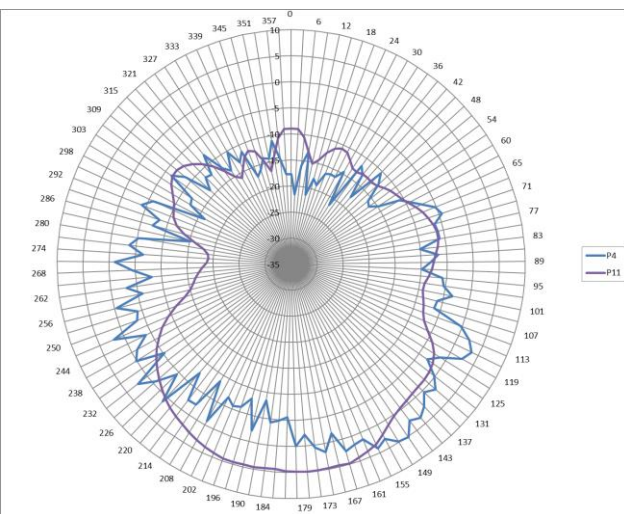
XY-Plane



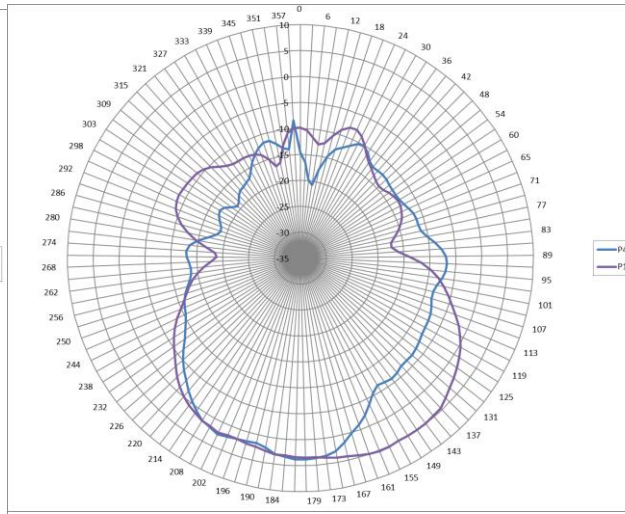
# Radio 2: 5G Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5725~5850MHz	P4	5.15	3.8	-1.56
	P11	4.99	5.19	-3.75

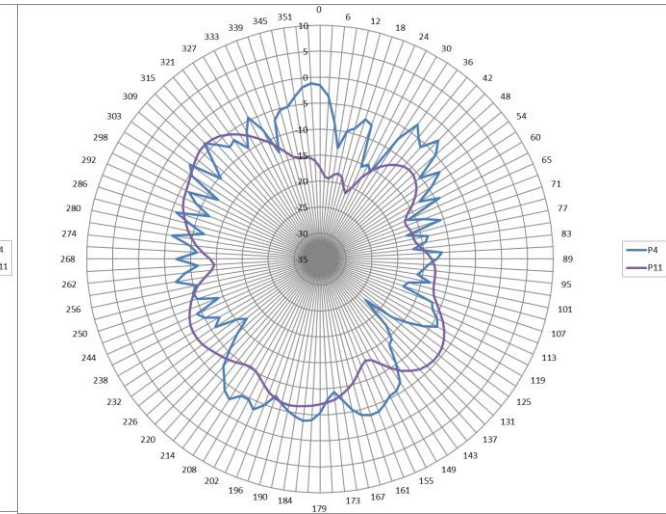
XZ-Plane



YZ-Plane



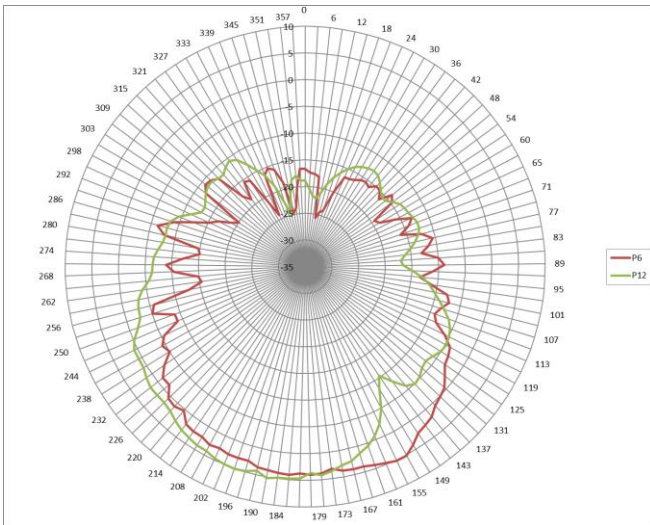
XY-Plane



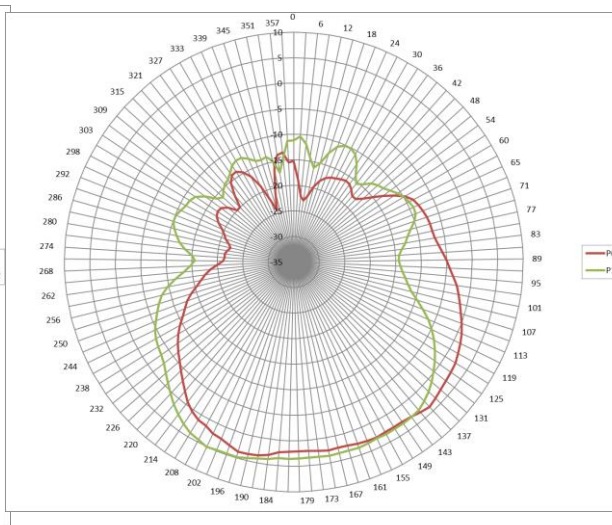
# Radio 2: 5G Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5725~5850MHz	P6	5.22	3.94	-4.12
	P12	5.2	5.04	-1.75

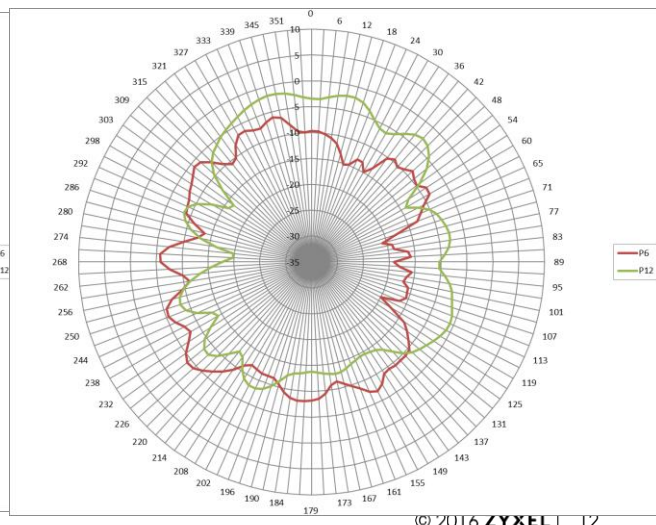
XZ-Plane



YZ-Plane



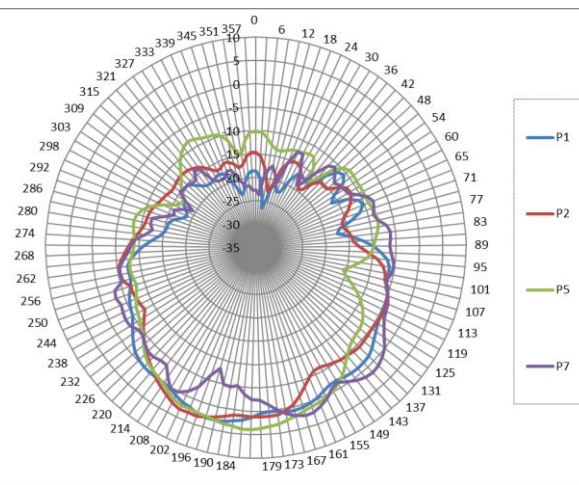
XY-Plane



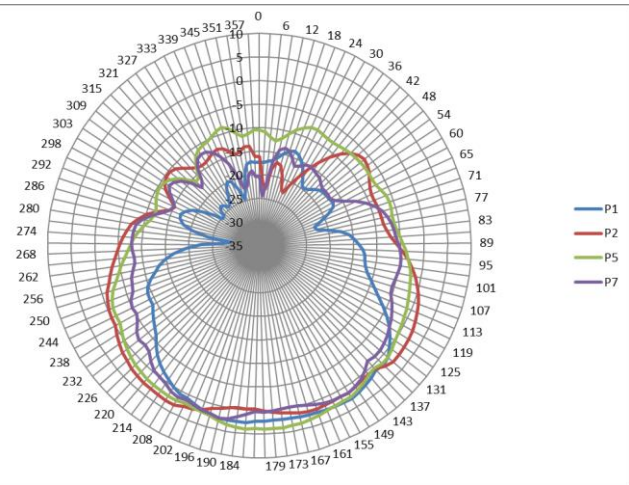
# Radio 3: 6E Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5925~6425MHz	P1	2.97	3.01	-3.3
	P2	3.21	3.38	-1.2
	P5	4.01	4.07	-2.4
	P7	2.47	2.54	-2.1

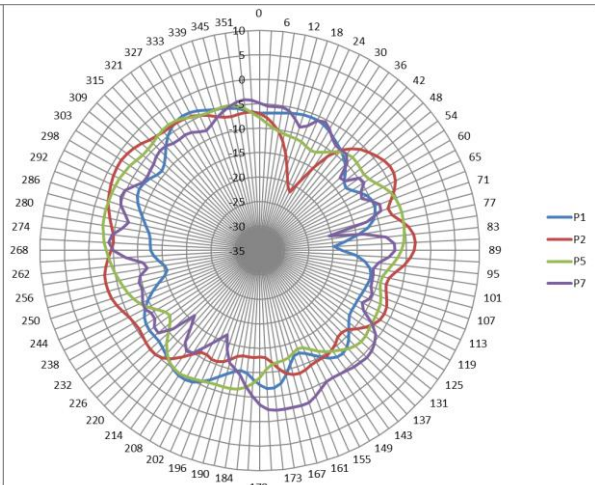
XZ-Plane



YZ-Plane



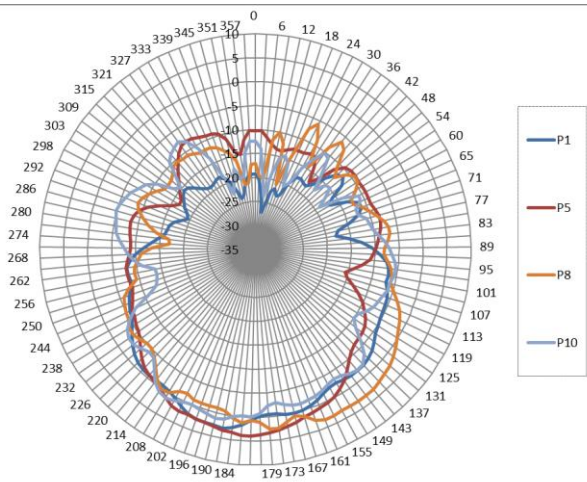
XY-Plane



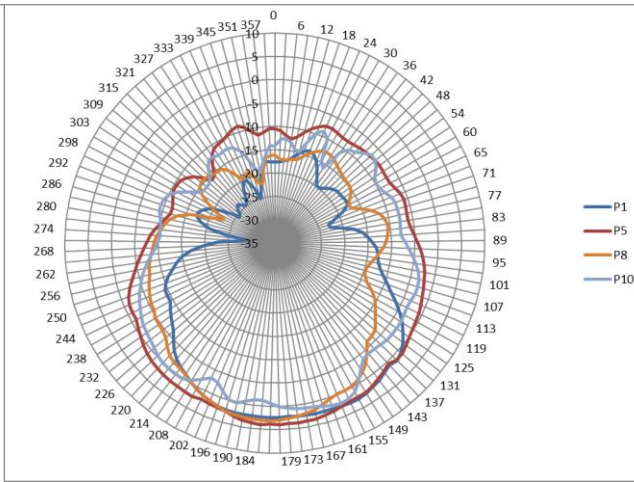
# Radio 3: 6E Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
5925~6425MHz	P1	2.97	3.01	-3.3
	P5	4.01	4.07	-2.4
	P8	3.44	3.12	-3.1
	P10	1.23	2.18	-0.6

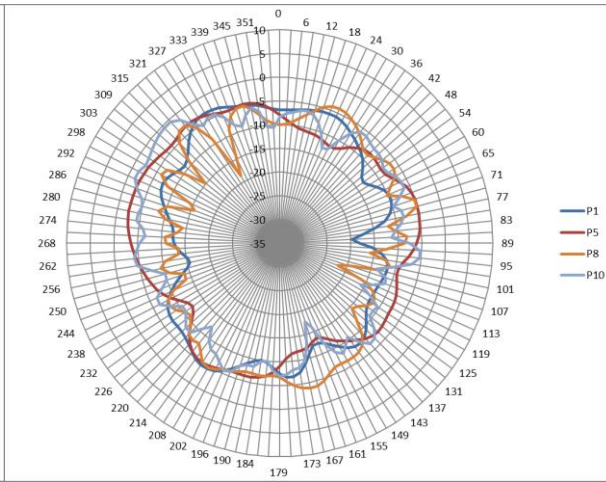
XZ-Plane



YZ-Plane



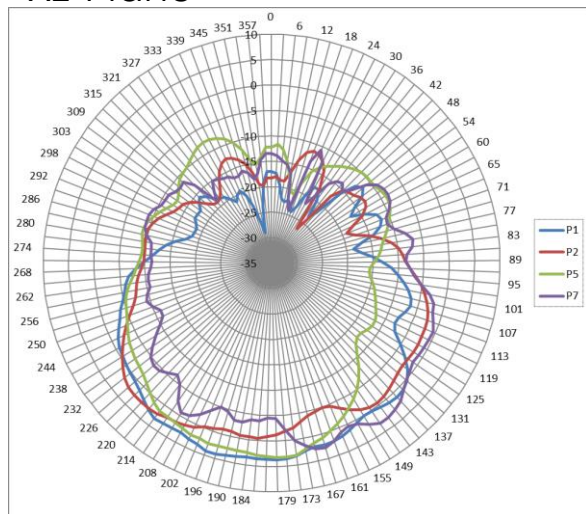
XY-Plane



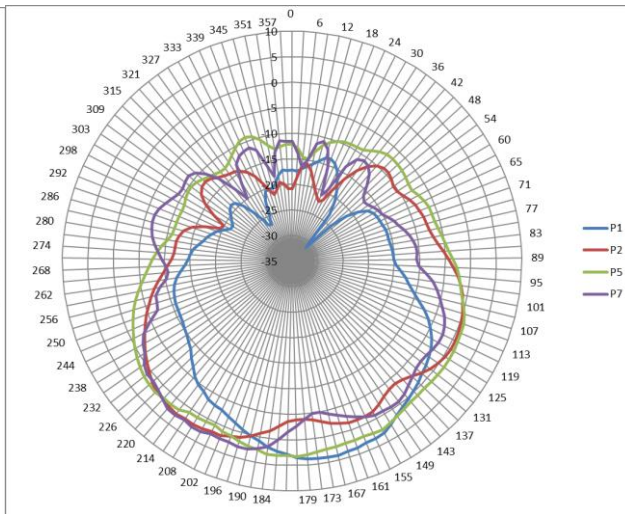
# Radio 3: 6E Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6425~6525MHz	P1	4.21	4.12	-1.7
	P2	2.56	2.55	0.7
	P5	3.3	3.26	-1.6
	P7	3.14	2.98	-2.7

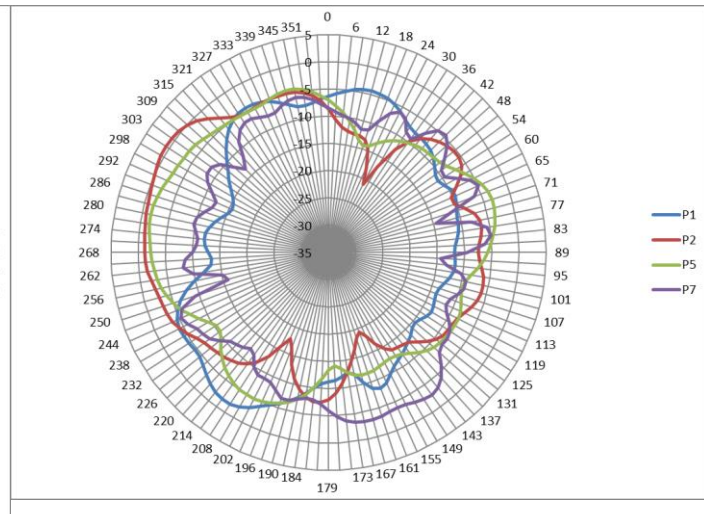
XZ-Plane



YZ-Plane



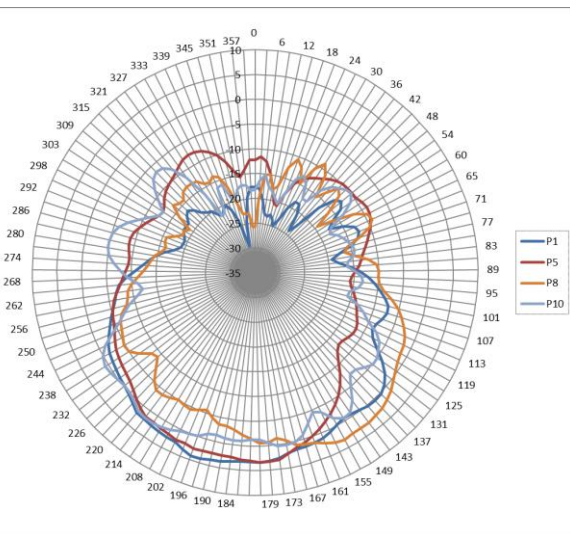
XY-Plane



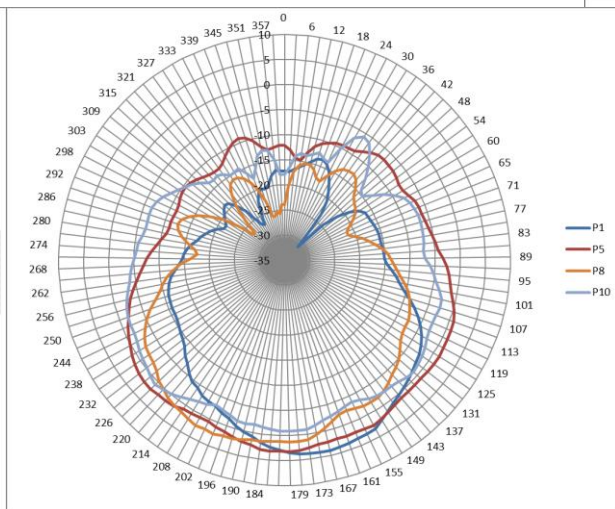
# Radio 3: 6E Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6425~6525MHz	P1	4.21	4.12	-1.7
	P5	3.3	3.26	-1.6
	P8	3.27	2.51	-3.3
	P10	1.78	0.78	0.1

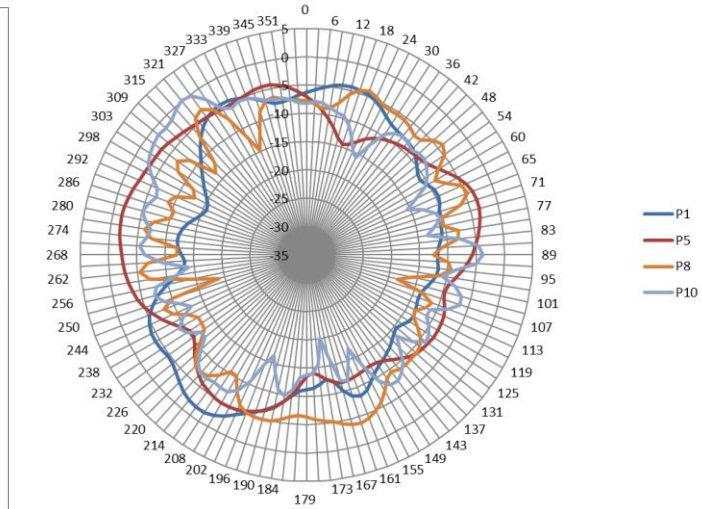
XZ-Plane



YZ-Plane



XY-Plane

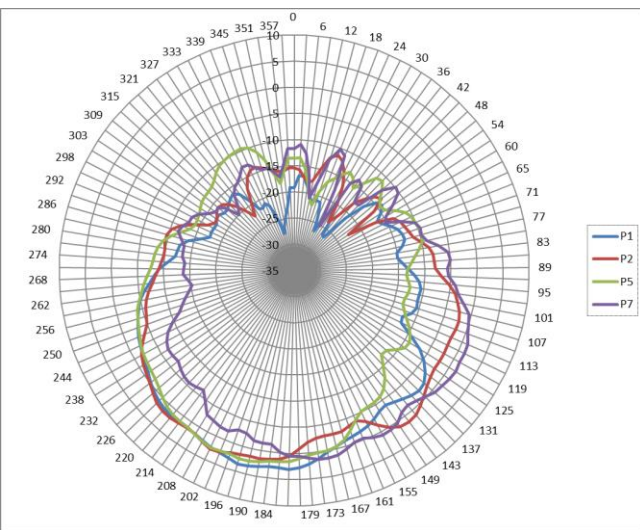




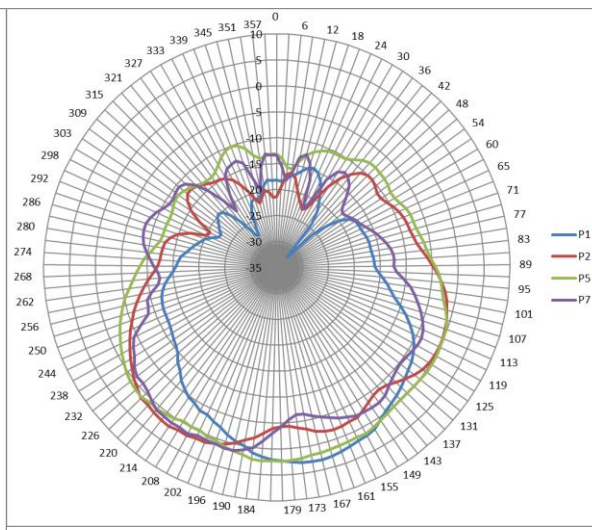
# Radio 3: 6E Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6525~6875MHz	P1	3.55	3.14	-0.2
	P2	2.74	2.06	0.89
	P5	2.51	2.46	-1.6
	P7	1.52	1.33	-2.7

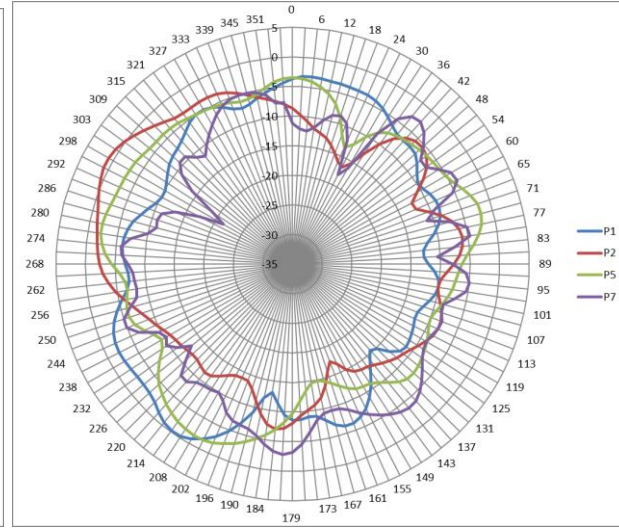
XZ-Plane



YZ-Plane



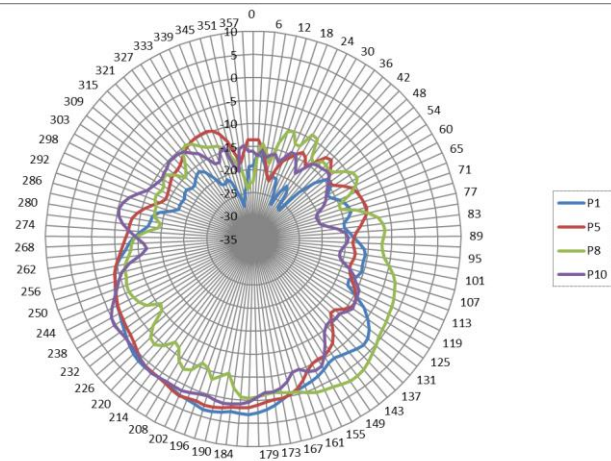
XY-Plane



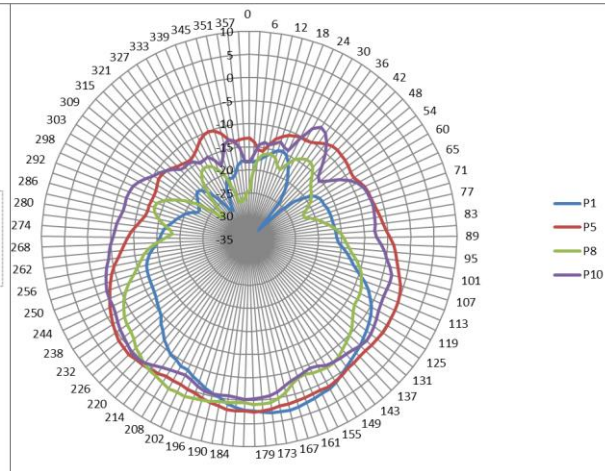
# Radio 3: 6E Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6525~6875MHz	P1	3.55	3.14	-0.2
	P5	2.51	2.46	-1.6
	P8	2.35	1.81	-2.7
	P10	1.48	0.48	0.8

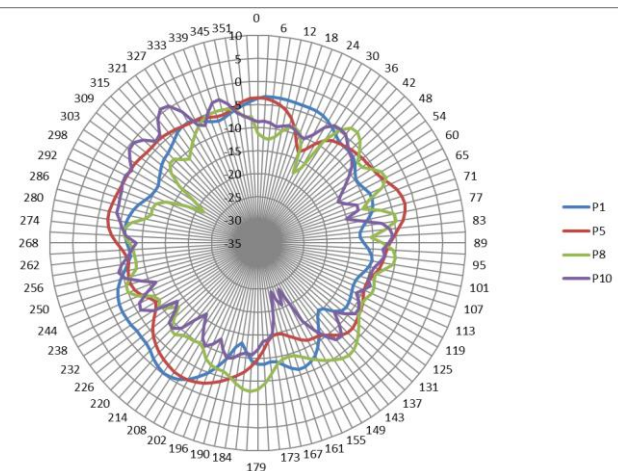
XZ-Plane



YZ-Plane



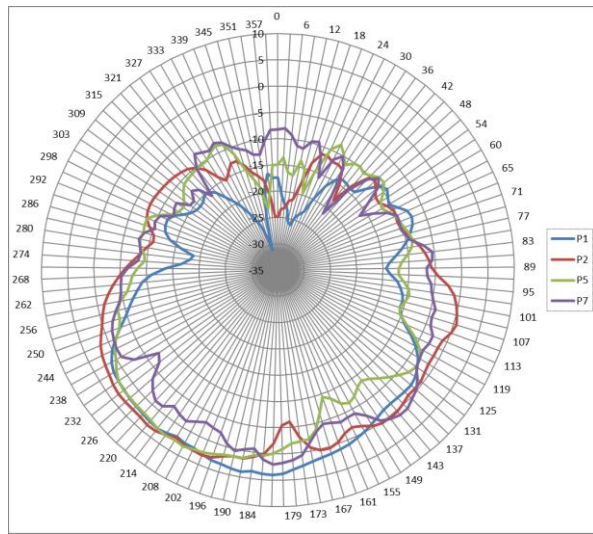
XY-Plane



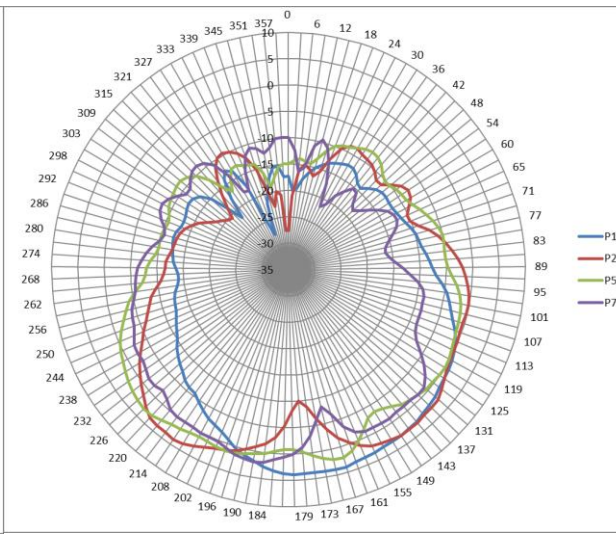
# Radio 3: 6E Antenna

Mode 1		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6875~7125MHz	P1	4.01	4.02	-0.3
	P2	3.54	3.95	0.1
	P5	3.09	3.12	-1.9
	P7	1.97	2.04	-1.9

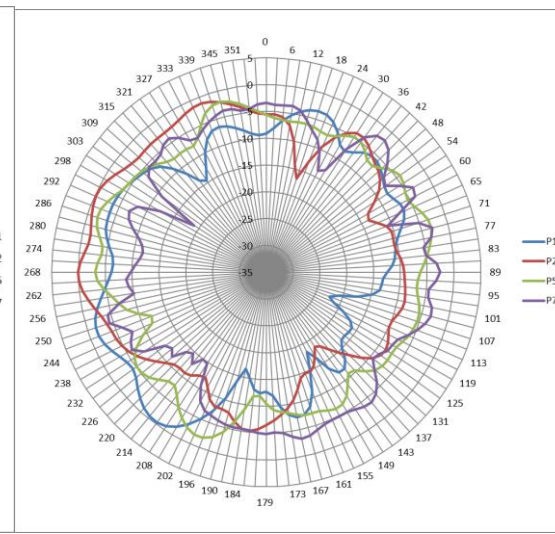
XZ-Plane



YZ-Plane



XY-Plane



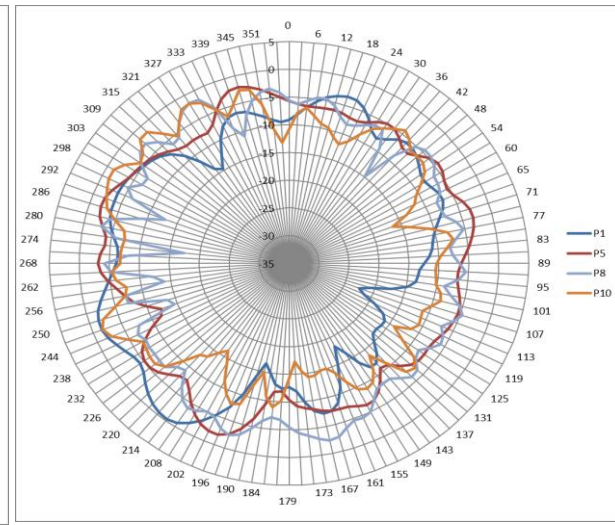
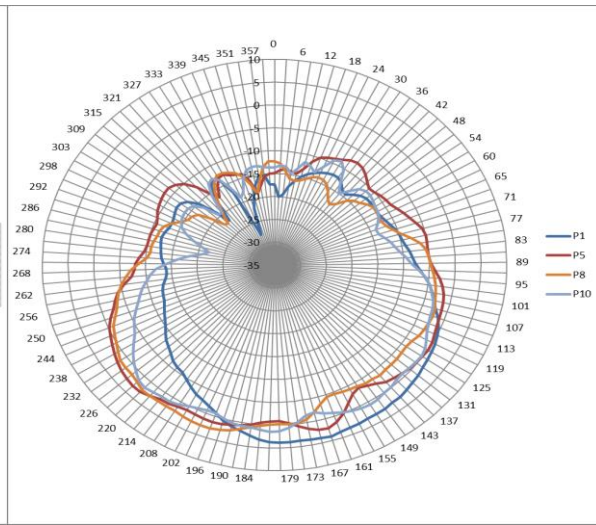
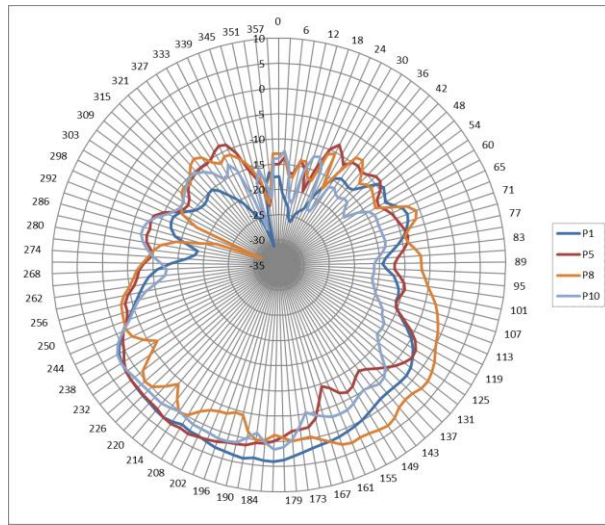
# Radio 3: 6E Antenna

Mode 2		XZ plane	YZ plane	XY plane
		Peak Gain (dBi)	Peak Gain (dBi)	Peak Gain (dBi)
6875~7125MHz	P1	4.01	4.02	-0.3
	P5	3.09	3.12	-1.9
	P8	3.62	2.87	-1.6
	P10	1.87	1.76	-1.2

XZ-Plane

YZ-Plane

XY-Plane



ZYXEL

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