

ANTENNA GAIN / PATTERN TEST REPORT

Antenna Type: Inverted-F Antenna

Issue Date: March 5, 2026

FCC ID APYHRO00341

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2.1 Antenna Photos

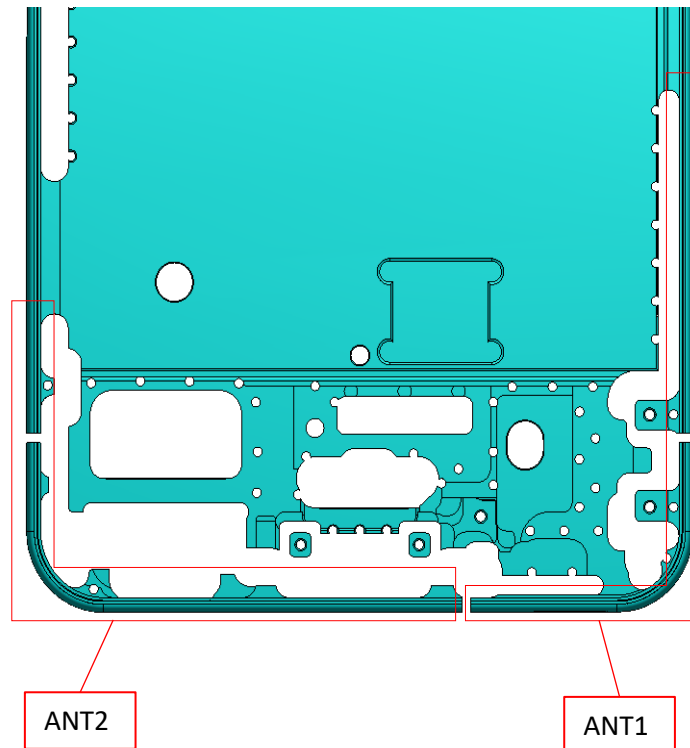
2.2 Antenna Gain

2.3 Antenna Pattern

Cellular

1.1 Antenna Photos

Figure 1



Cellular

1.2 Antenna Gain

		ANT2			ANT1
Frequency	Plane	707.4	709.9	836.4	1870
Peak Gain	XY	-3.0	-2.6	-3.4	-3.8
	YZ	-5.6	-5.2	-3.7	-3.2
	XZ	-3.3	-2.9	-3.6	-2.4
Avg. Gain	XY	-4.0	-3.6	-4.8	-6.7
	YZ	-9.3	-8.9	-8.1	-6.7
	XZ	-6.9	-6.5	-7.1	-5.0

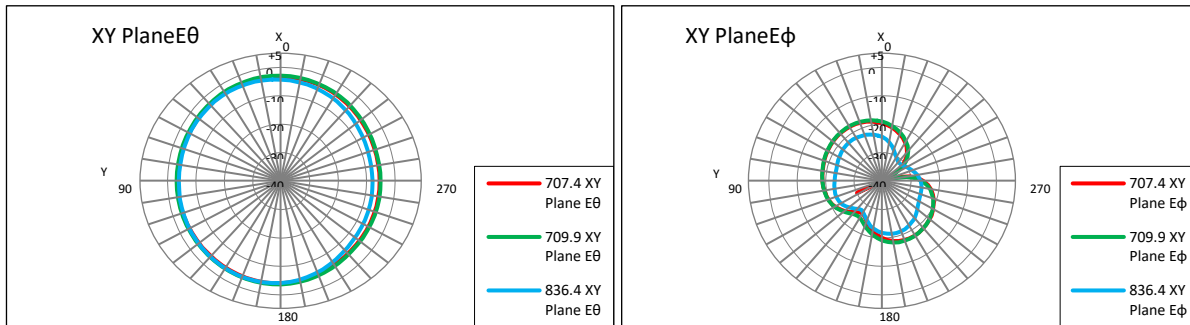
Unit [dBi]

Cellular

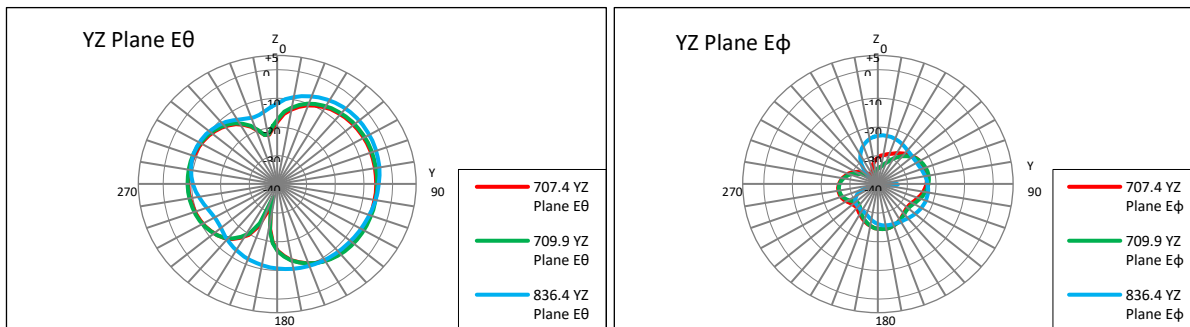
1.3 Antenna Pattern

ANT2_707.4/709.9/836.4MHz

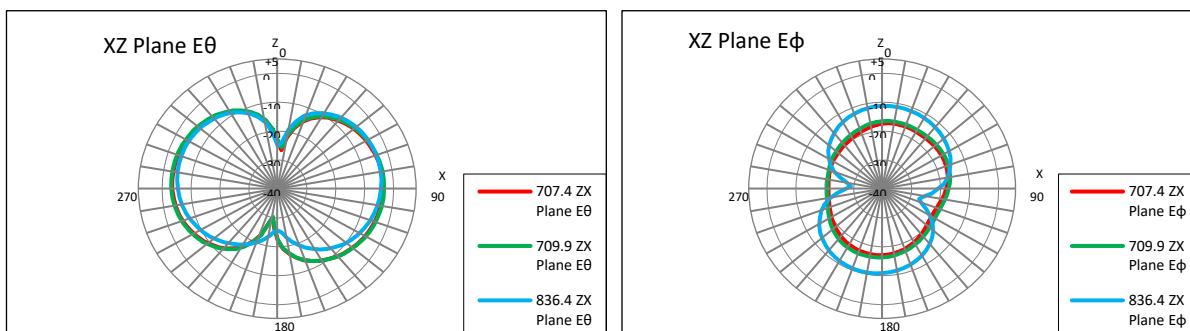
XY Plane



YZ Plane

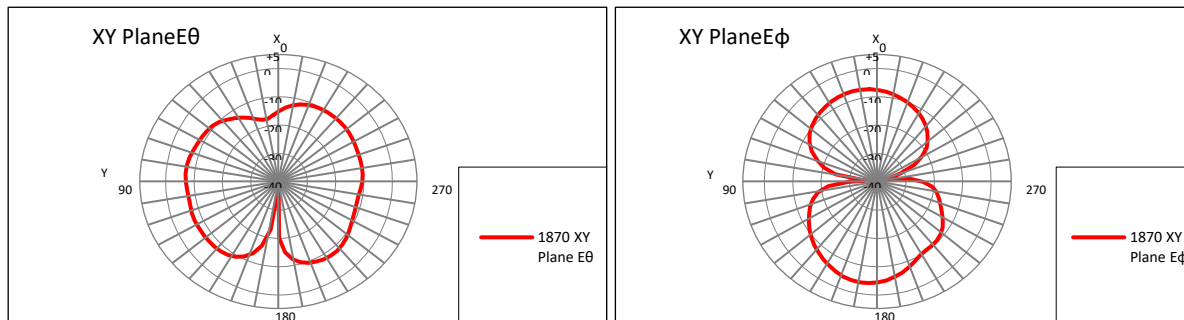


XZ Plane

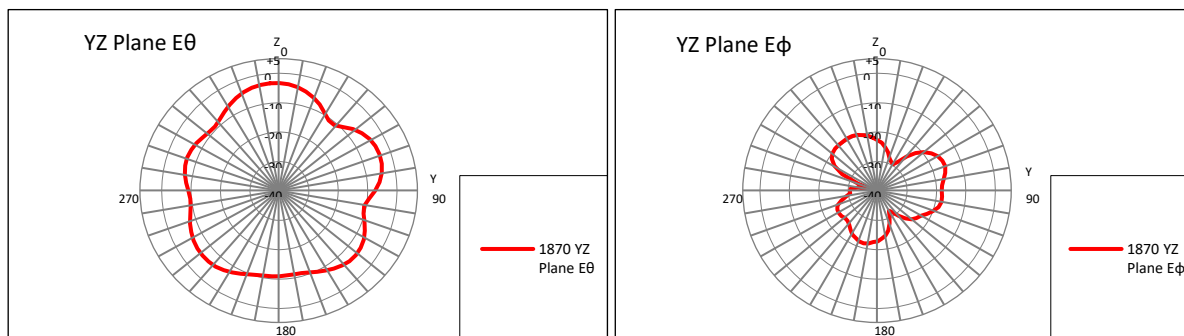


ANT1_1870MHz

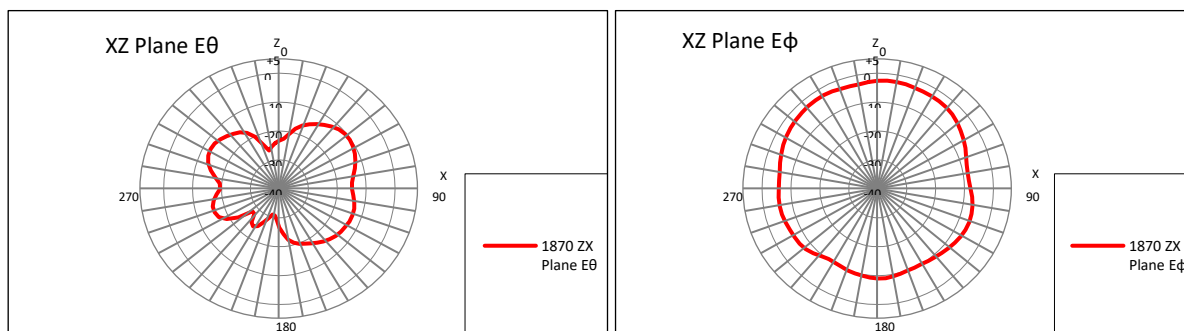
XY Plane



YZ Plane



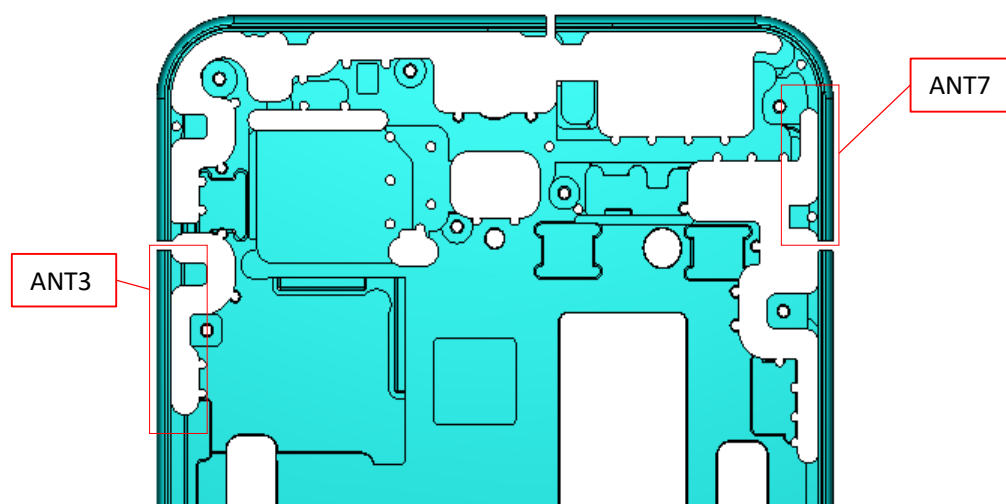
XZ Plane



WiFi

2.1 Antenna Photos

Figure 2



2.2 Antenna Gain

ANT3							
Frequency	Plane	2420	2440	2460	5200	5300	5600
Peak Gain	XY	-7.1	-7.6	-8.0	-4.4	-3.6	-3.2
	YZ	-3.4	-3.1	-2.9	-6.6	-6.9	-2.8
	XZ	-3.3	-2.7	-2.1	-5.5	-3.2	-5.3
Avg. Gain	XY	-10.8	-11.0	-11.0	-8.8	-7.4	-7.7
	YZ	-7.9	-7.9	-8.0	-11.3	-10.1	-8.7
	XZ	-7.2	-7.0	-6.8	-11.4	-9.3	-9.6

Frequency	Plane	5840
Peak Gain	XY	-1.9
	YZ	-3.2
	XZ	-1.5
Avg. Gain	XY	-6.3
	YZ	-7.9
	XZ	-8.1

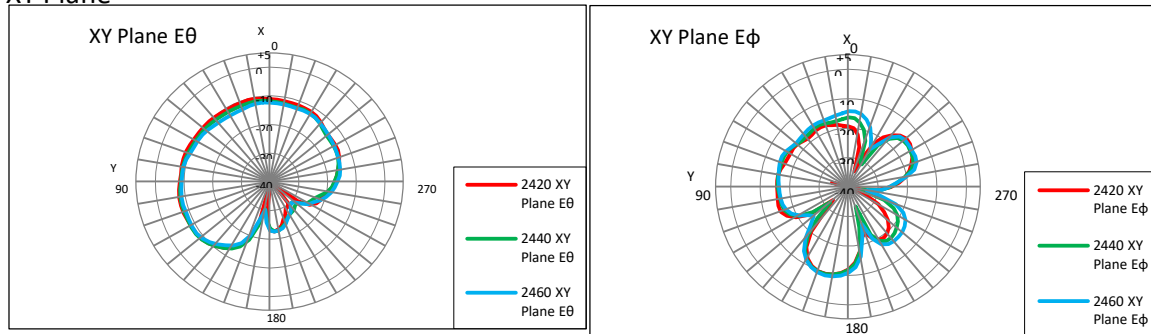
ANT7							
Frequency	Plane	2420	2440	2460	5200	5300	5600
Peak Gain	XY	-8.5	-7.3	-7.8	-0.2	-1.2	-5.6
	YZ	-7.8	-6.5	-6.5	-0.9	-1.8	-6.1
	XZ	-6.7	-5.3	-5.4	1.1	1.7	-0.7
Avg. Gain	XY	-13.1	-11.8	-12.0	-4.8	-4.9	-9.2
	YZ	-11.4	-10.1	-10.1	-4.4	-5.1	-9.8
	XZ	-9.7	-8.7	-9.1	-2.8	-3.1	-7.4

Frequency	Plane	5840
Peak Gain	XY	-5.9
	YZ	-7.3
	XZ	-1.2
Avg. Gain	XY	-9.8
	YZ	-11.4
	XZ	-8.1

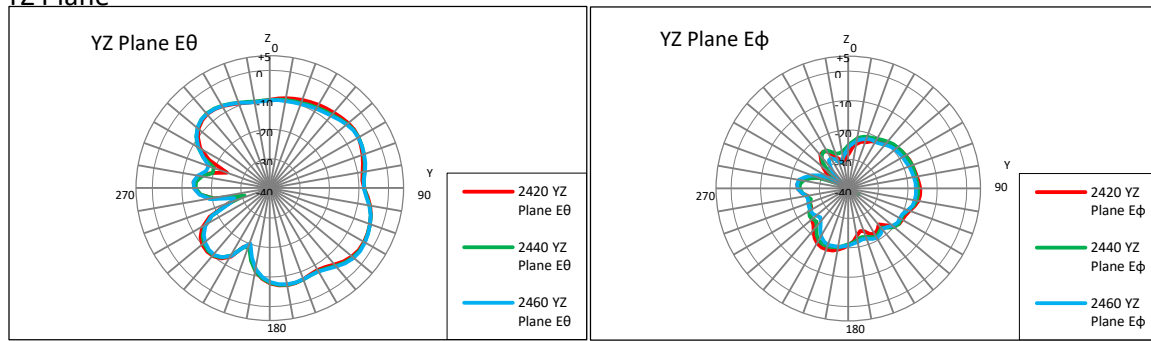
2.3 Antenna Pattern

ANT3 (2400-2500MHz)

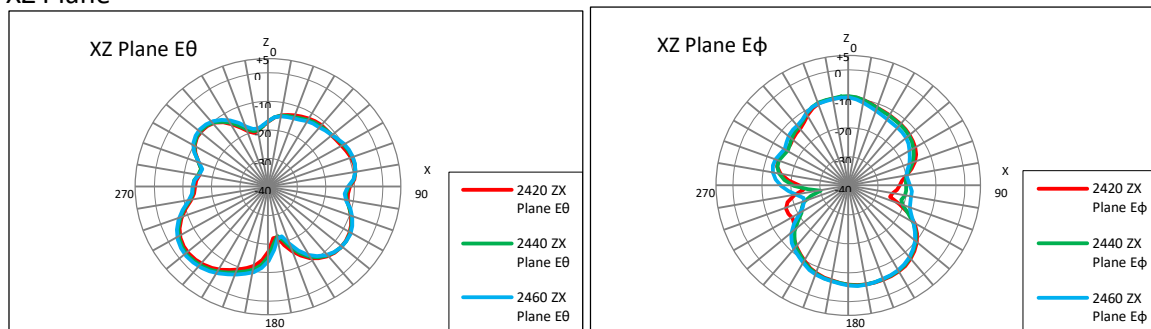
XY Plane



YZ Plane

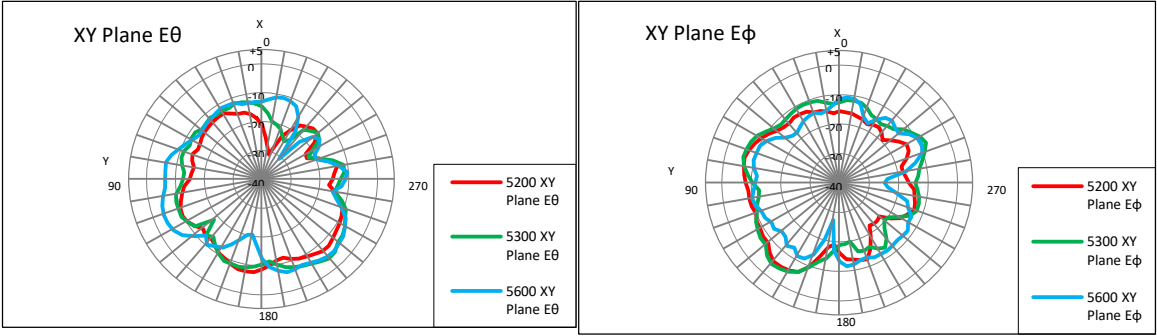


XZ Plane

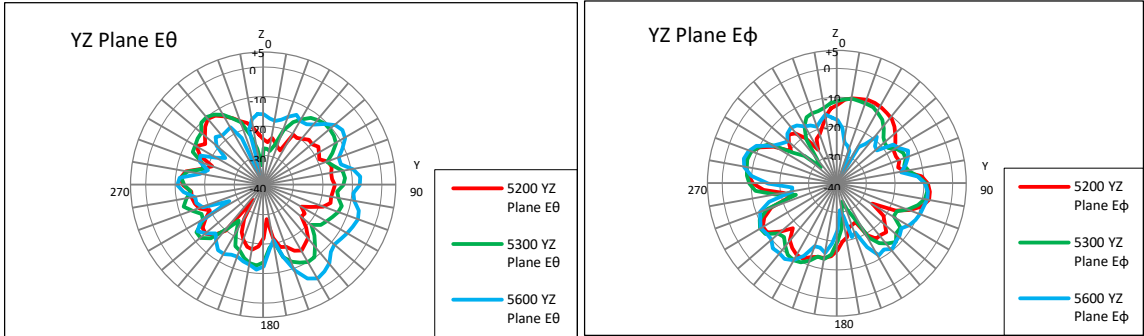


ANT3 (5150-5725MHz)

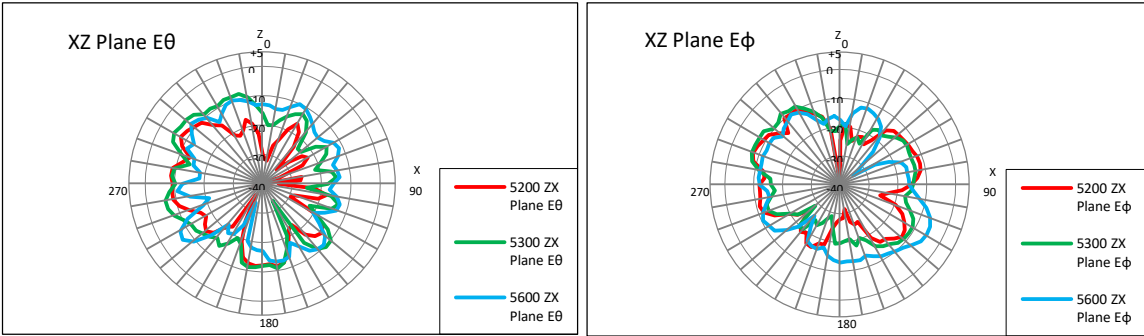
XY Plane



YZ Plane

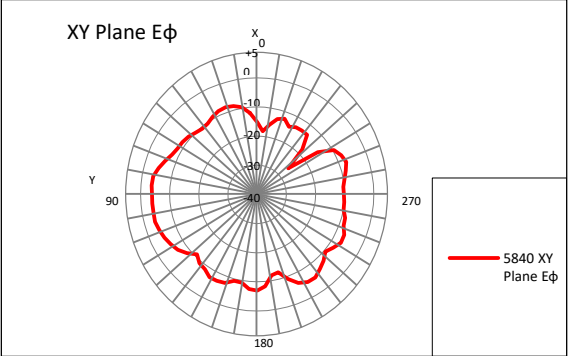
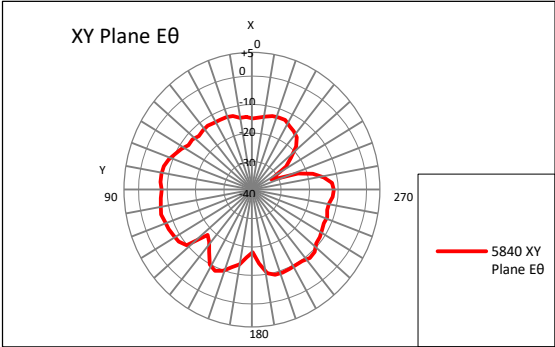


XZ Plane

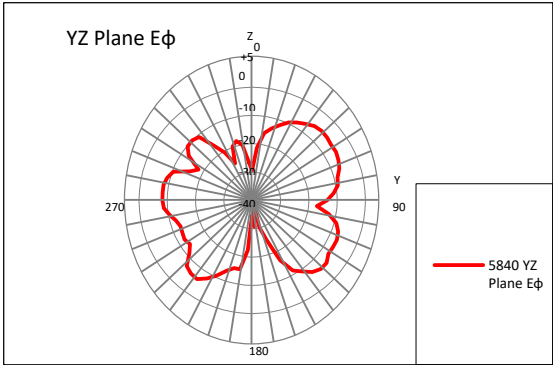
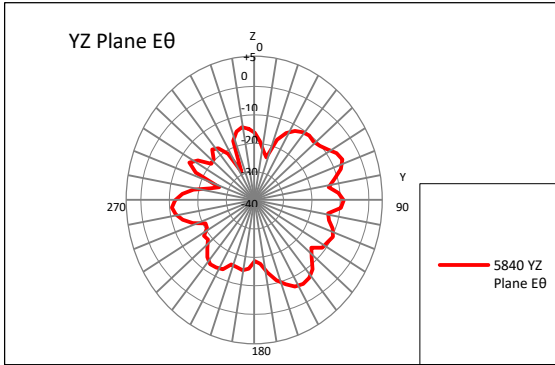


ANT3 (5840MHz)

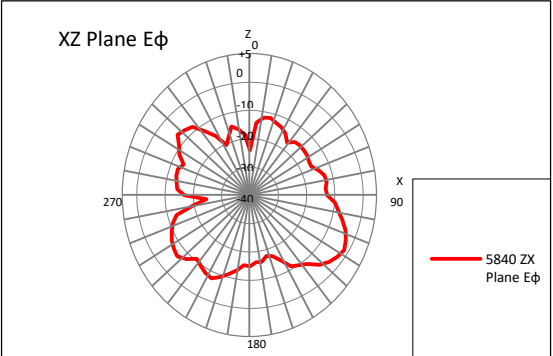
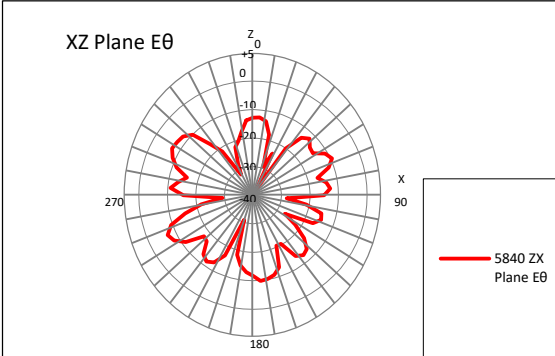
XY Plane



YZ Plane

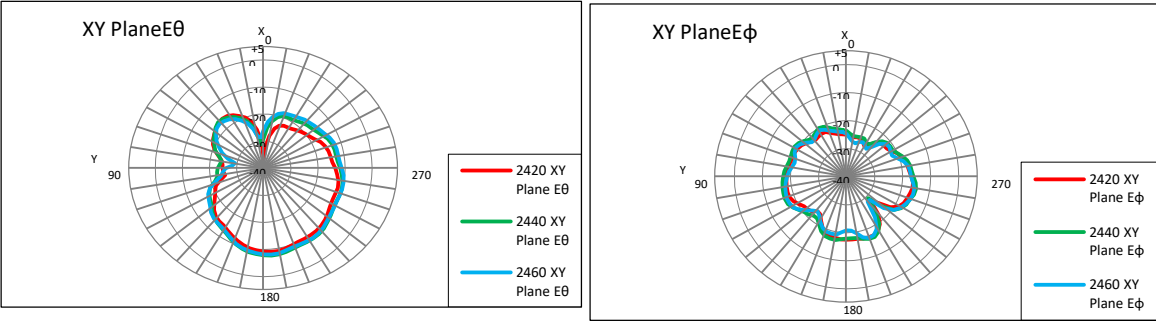


XZ Plane

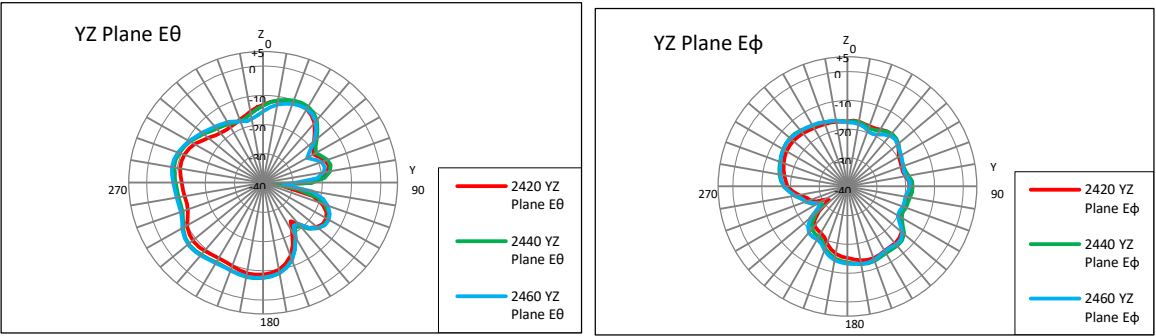


ANT7 (2400-2500MHz)

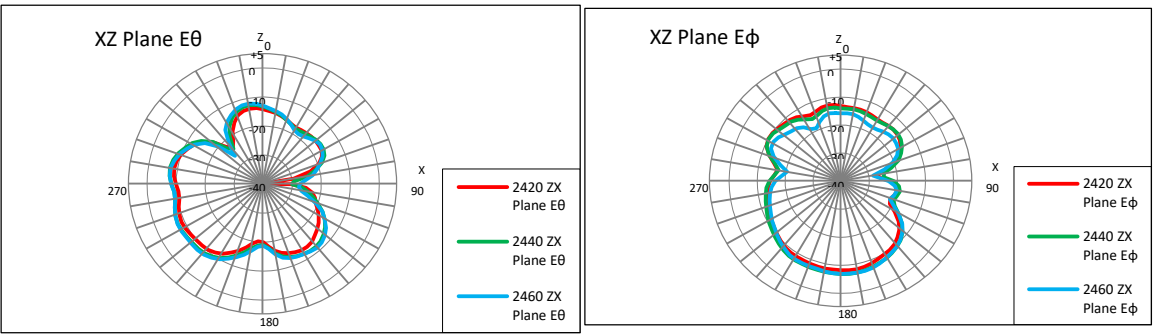
XY Plane



YZ Plane

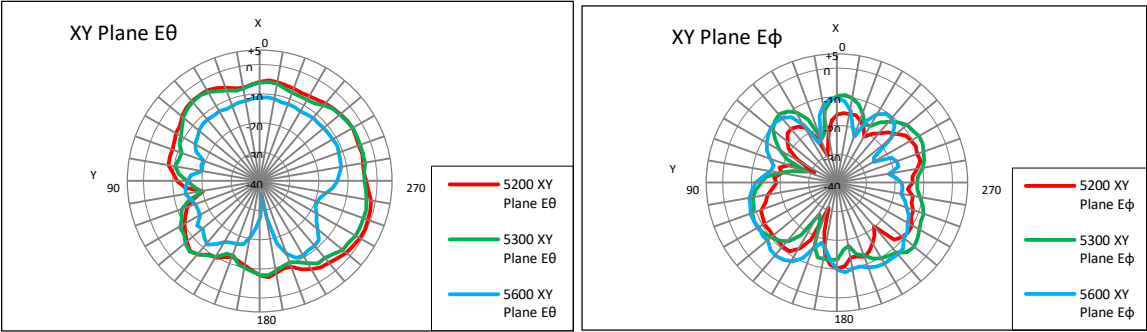


XZ Plane

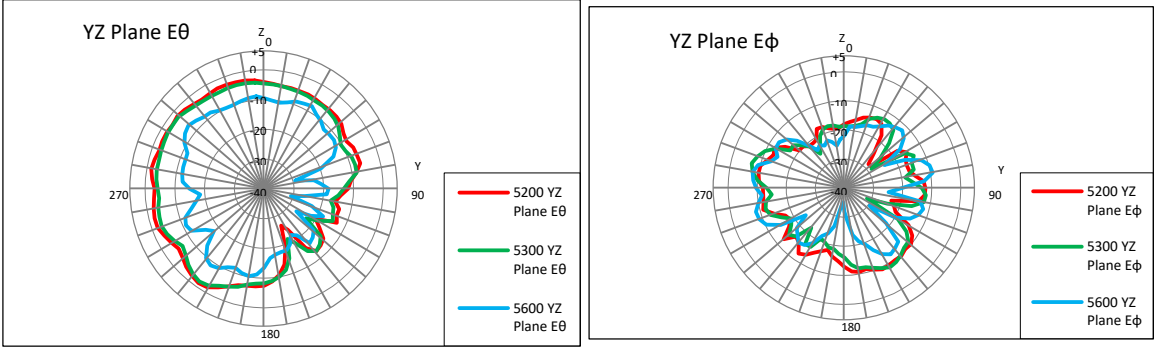


ANT7 (5150-5725MHz)

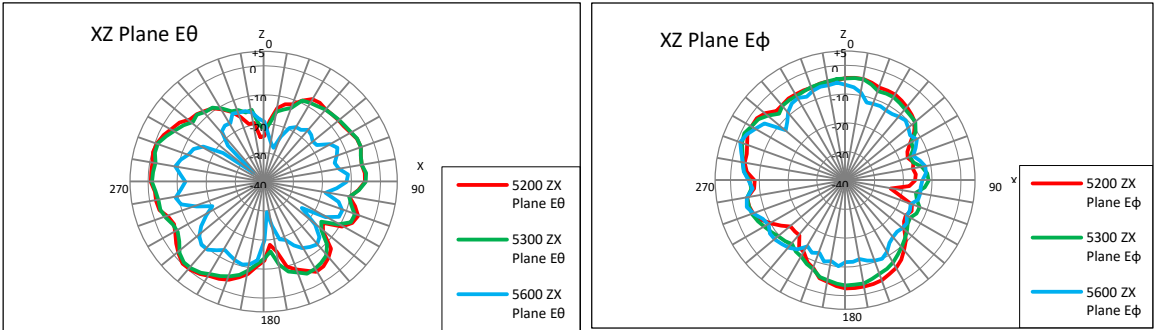
XY Plane



YZ Plane

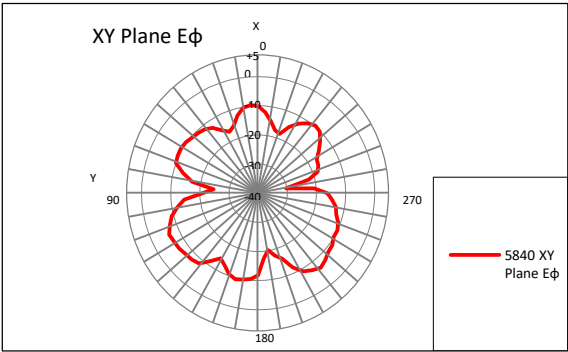
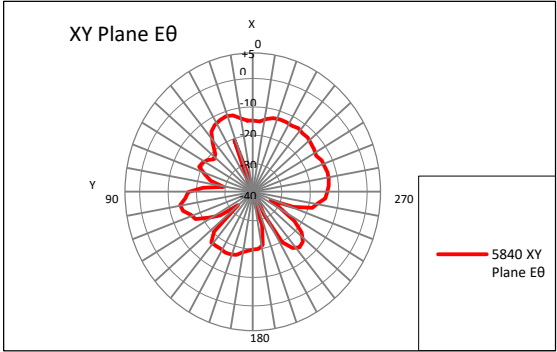


XZ Plane

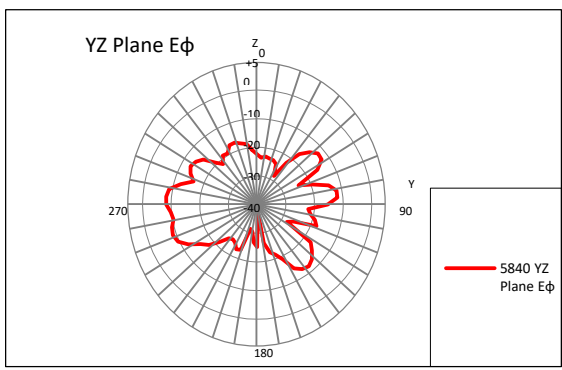
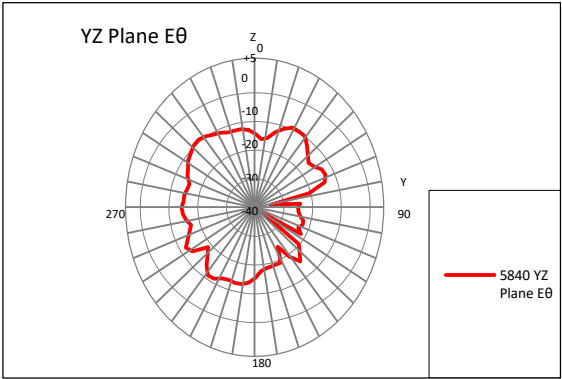


ANT7 (5840MHz)

XY Plane



YZ Plane



XZ Plane

