

ANTENNA GAIN / PATTERN TEST REPORT

Antenna Type: Inverted-L Type Antenna

Issue Date: July 29, 2022

FCC ID: APYHRO00320

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2.4 Antenna Pattern (Close)

Cellular

1.1 Antenna Gain (Open)

		Cellular		
Frequency	Plane	1850	1880	1910
Peak Gain	XY	1.0	0.4	0.6
	YZ	1.7	1.1	1.7
	XZ	0.9	0.5	1.1
Avg. Gain	XY	-2.7	-3.6	-3.5
	YZ	-3.1	-3.6	-3.0
	XZ	-2.7	-3.1	-2.5

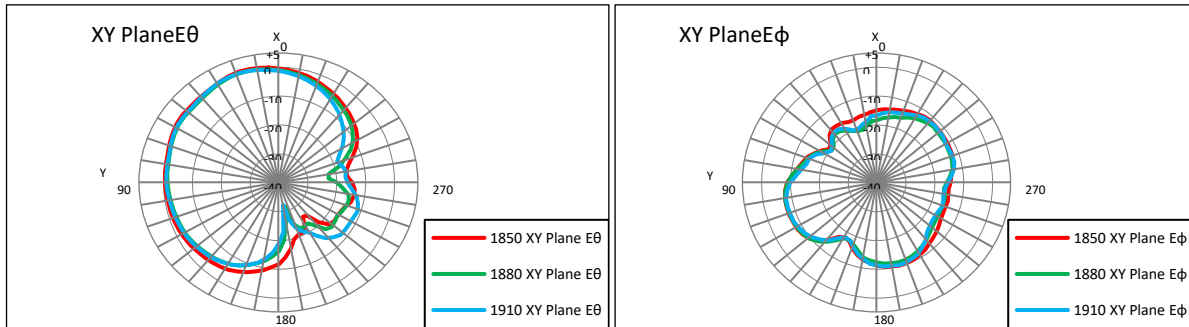
Unit [dBi]

Cellular

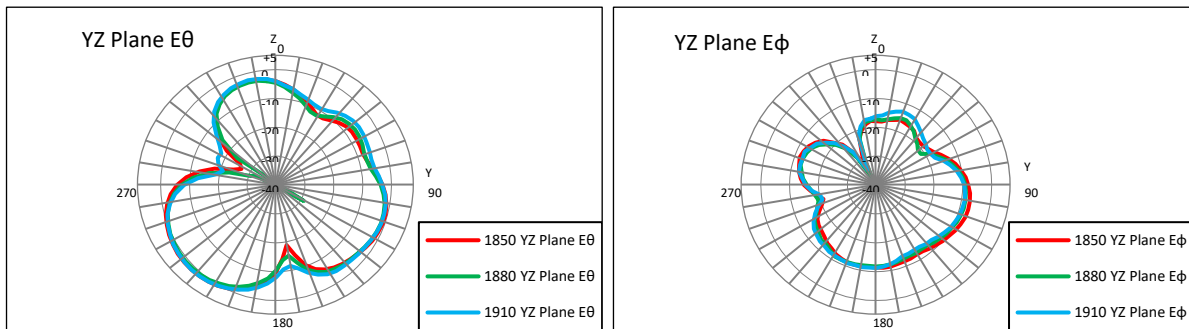
1.2 Antenna Pattern (Open)

Cellular

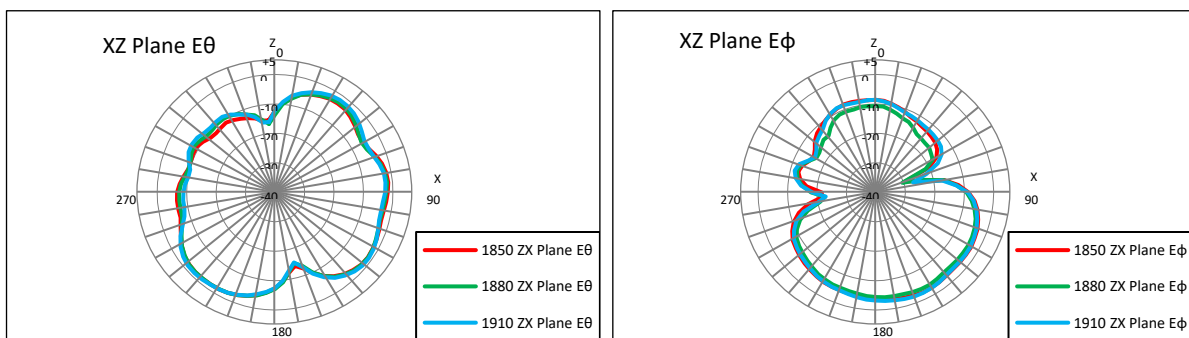
XY Plane



YZ Plane



XZ Plane



Cellular

1.3 Antenna Gain (Close)

		Cellular		
Frequency	Plane	1850	1880	1910
Peak Gain	XY	-2.7	-3.1	-2.4
	YZ	-2.2	-2.3	-1.4
	XZ	-0.1	-0.2	0.5
Avg. Gain	XY	-5.1	-5.3	-4.4
	YZ	-5.6	-5.5	-4.5
	XZ	-3.8	-3.8	-3.2

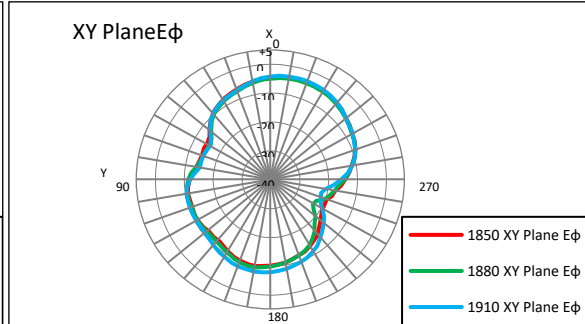
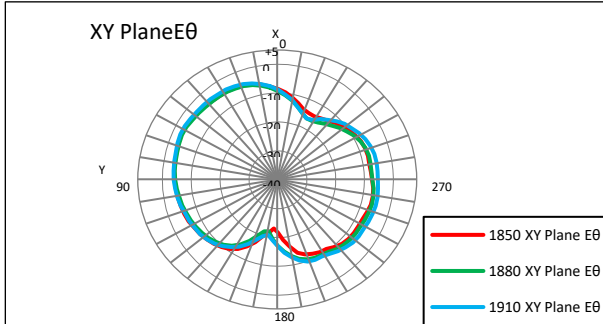
Unit [dBi]

Cellular

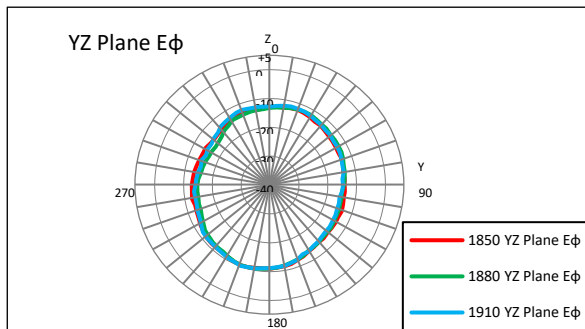
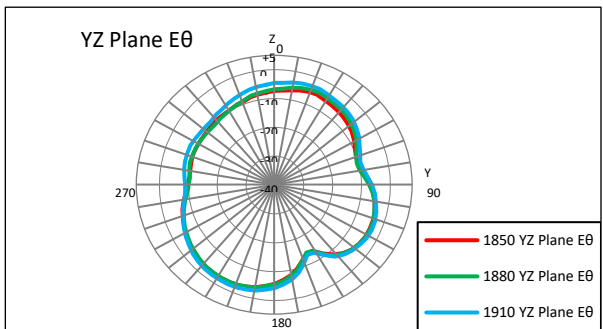
1.4 Antenna Pattern (Close)

Cellular

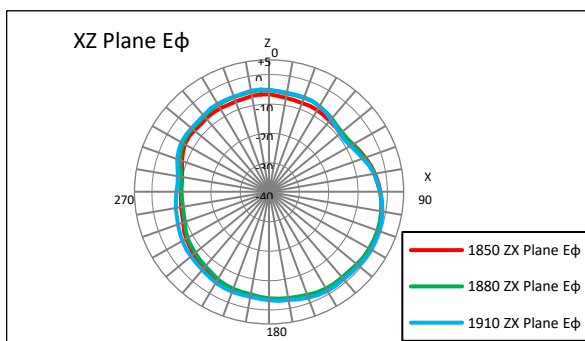
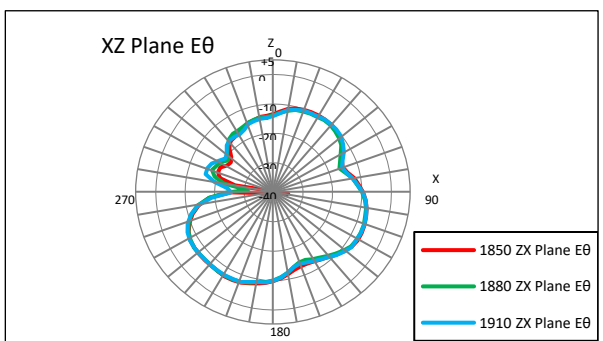
XY Plane



YZ Plane



XZ Plane



WiFi/BT

2.1 Antenna Gain (Open)

		WiFi/BT ANT		
Frequency	Plane	2400	2450	2500
Peak Gain	XY	-4.6	-3.1	-3.1
	YZ	-0.6	0.5	0.2
	XZ	-1.6	0.0	-0.2
Avg. Gain	XY	-6.6	-6.0	-6.1
	YZ	-5.5	-4.1	-4.2
	XZ	-4.3	-3.0	-3.0

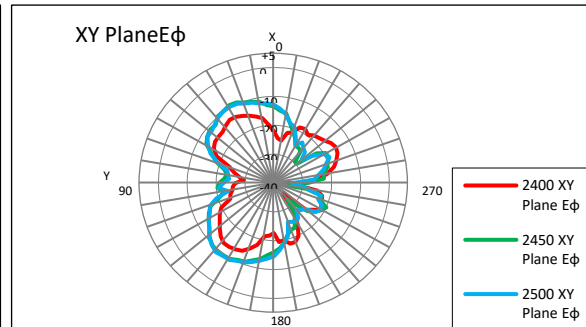
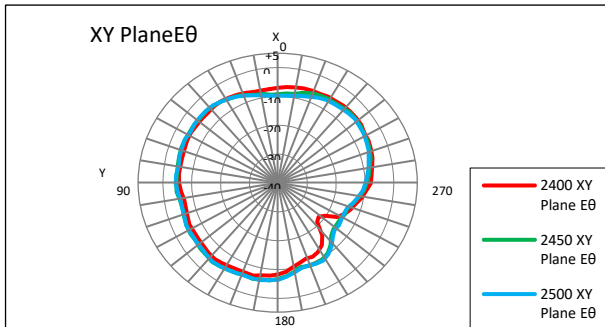
Unit [dBi]

WiFi/BT

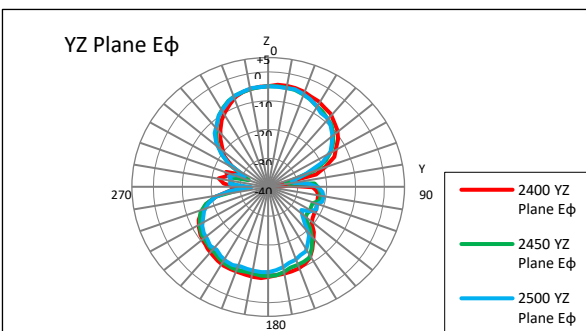
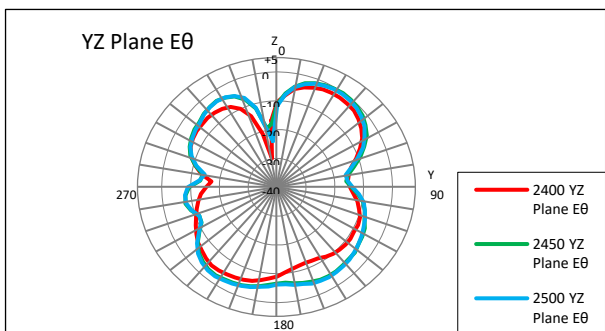
2.2 Antenna Pattern (Open)

WiFi ANT (2400-2500MHz)

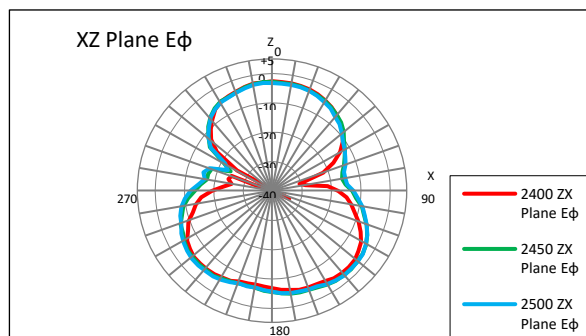
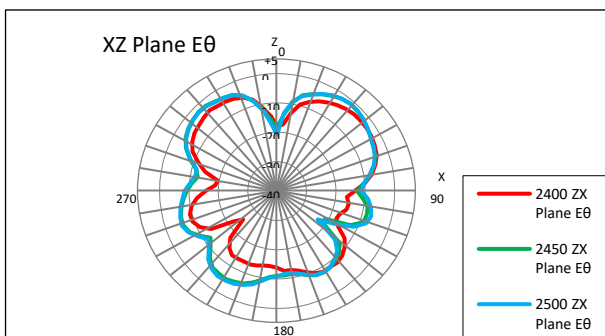
XY Plane



YZ Plane



XZ Plane



WiFi/BT

2.3 Antenna Gain (Close)

		WiFi/BT ANT		
Frequency	Plane	2400	2450	2500
Peak Gain	XY	-3.0	-2.0	-2.3
	YZ	-2.9	-0.8	-0.9
	XZ	-2.3	-0.6	-0.6
Avg. Gain	XY	-6.0	-5.0	-5.1
	YZ	-7.7	-6.0	-6.1
	XZ	-5.1	-4.4	-4.4

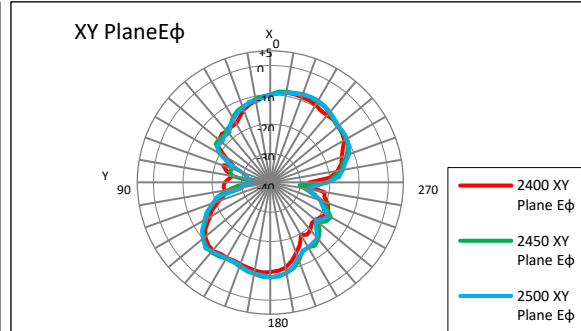
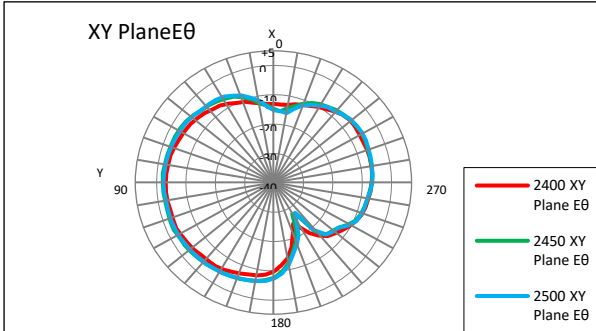
Unit [dBi]

WiFi/BT

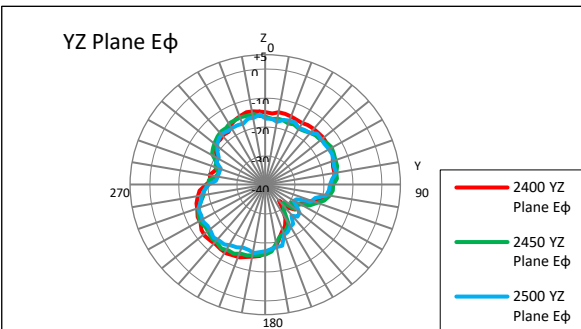
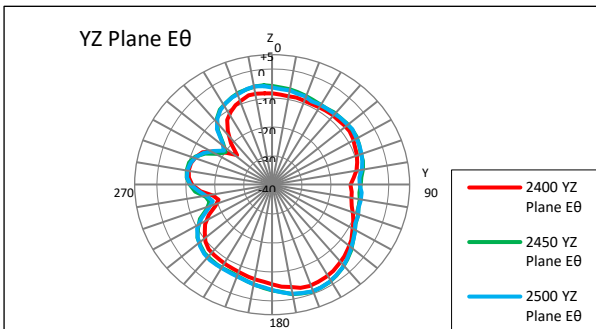
2.4 Antenna Pattern (Close)

WiFi ANT (2400-2500MHz)

XY Plane



YZ Plane



XZ Plane

