

ANTENNA GAIN / PATTERN TEST REPORT

Antenna Type : Inverted-L Type Antenna

Issue Date : July 29, 2022

FCC ID APYHRO00320

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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

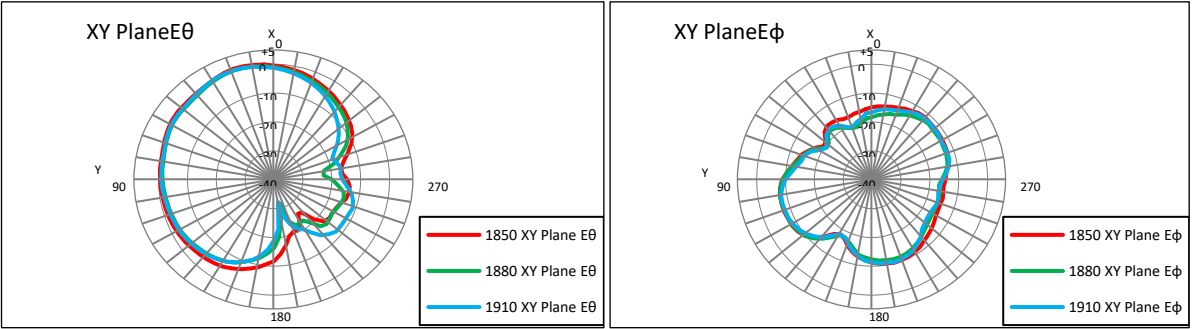
Unit [dBi]

Cellular

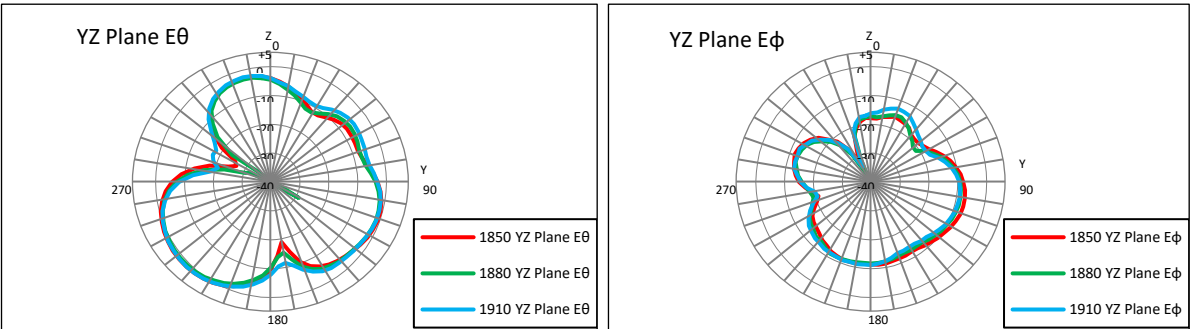
1.2 Antenna Pattern (Open)

Cellular

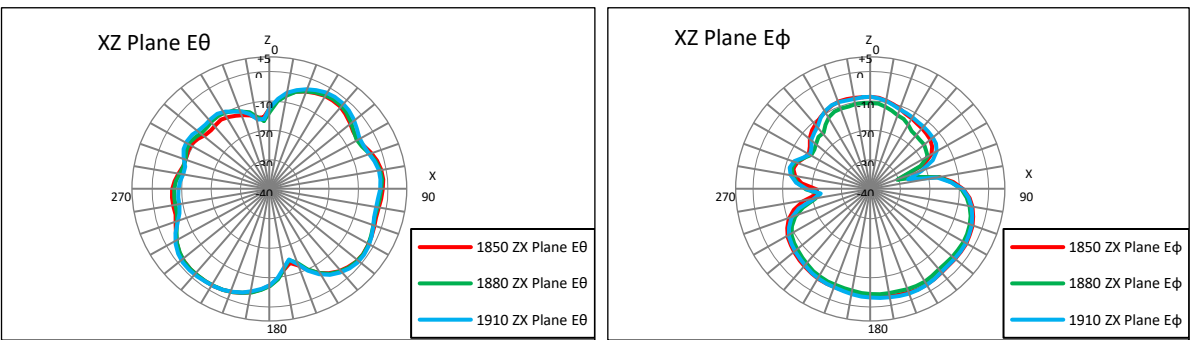
XY Plane



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

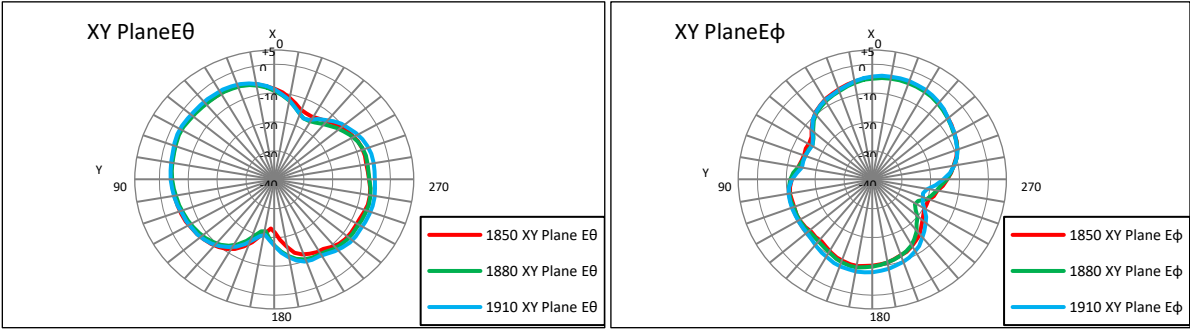
Unit [dBi]

Cellular

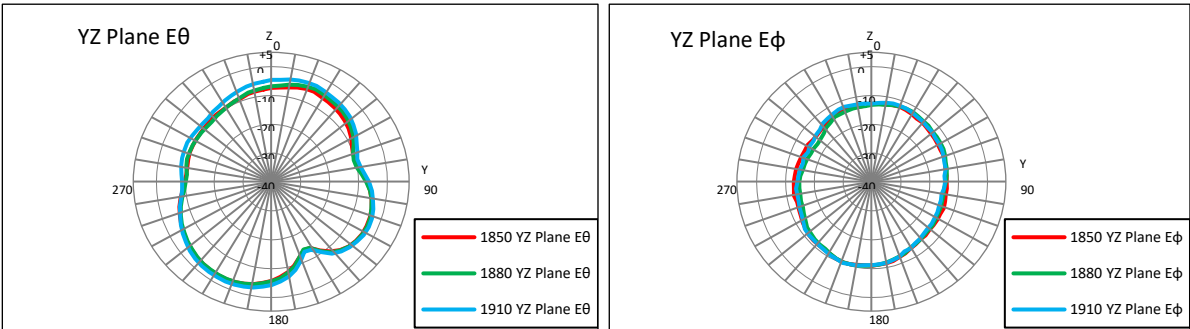
1.4 Antenna Pattern (Close)

Cellular

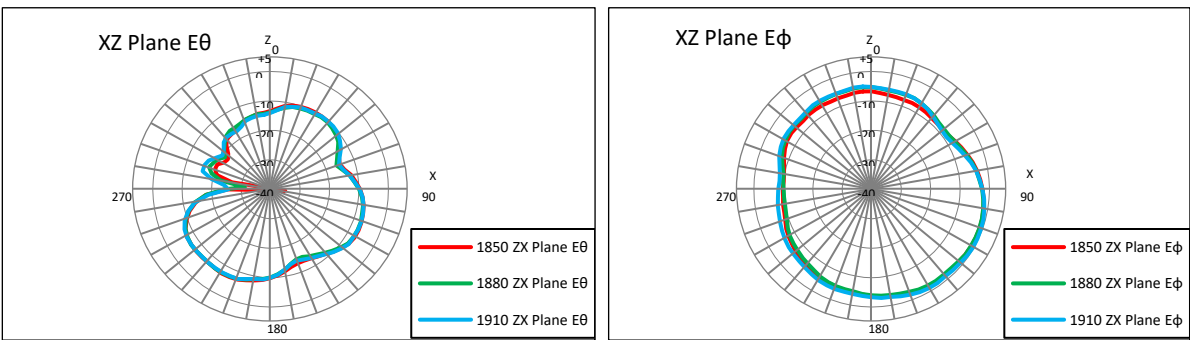
XY Plane



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

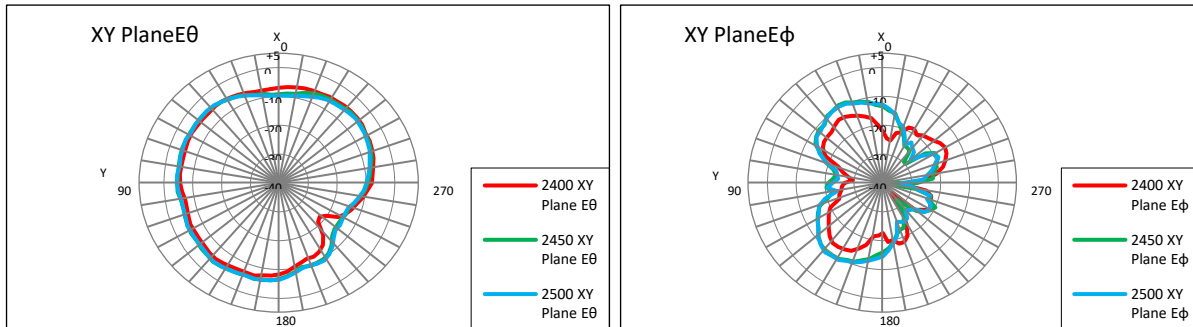
Unit [dBi]

WiFi/BT

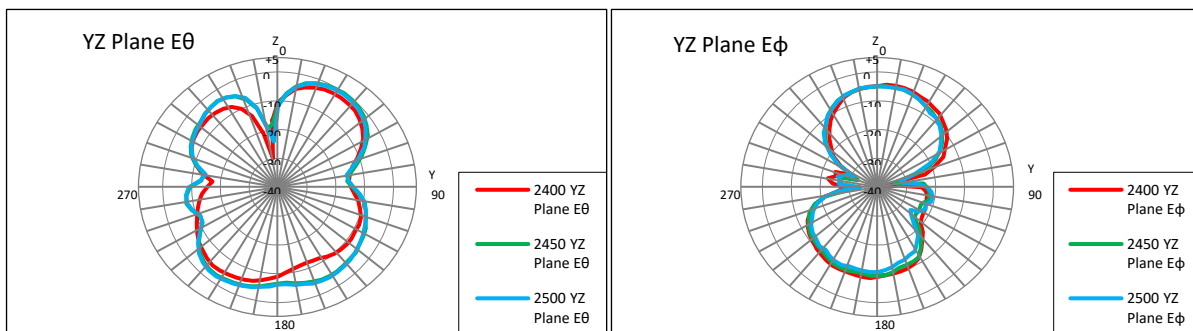
2.2 Antenna Pattern (Open)

WiFi ANT (2400-2500MHz)

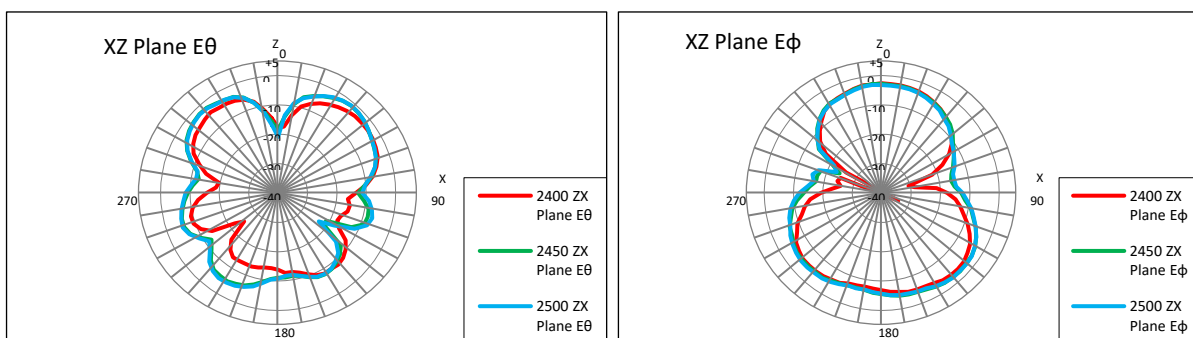
XY Plane



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

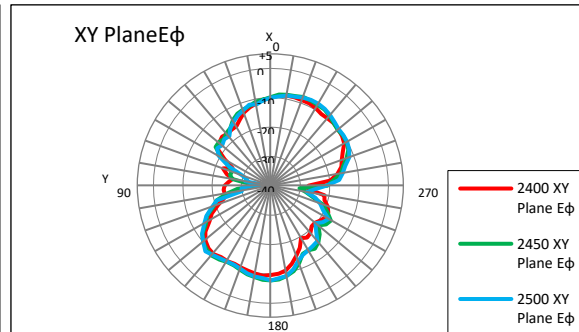
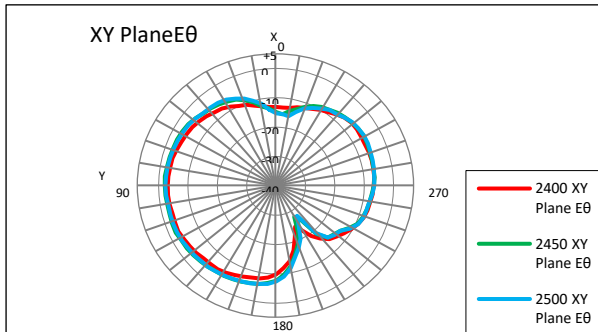
Unit [dBi]

WiFi/BT

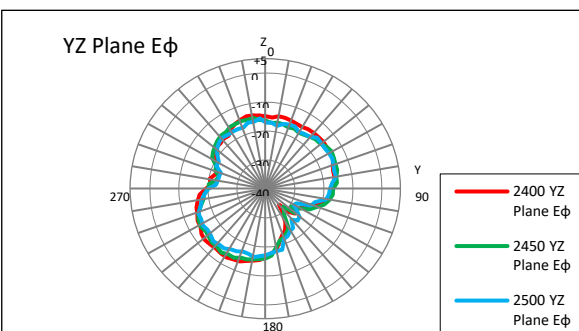
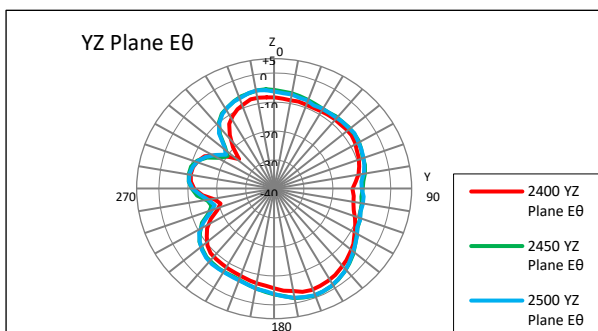
2.4 Antenna Pattern (Close)

WiFi ANT (2400-2500MHz)

XY Plane



YZ Plane



XZ Plane

