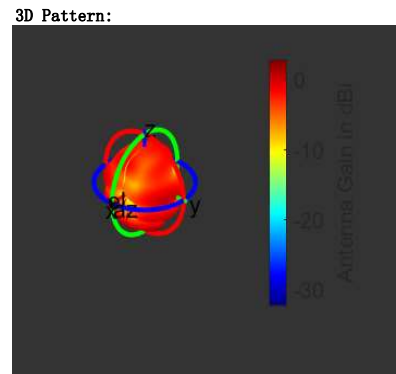
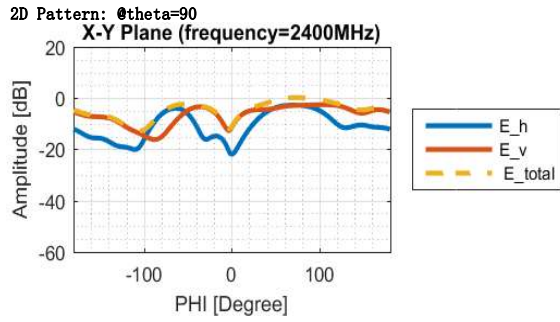
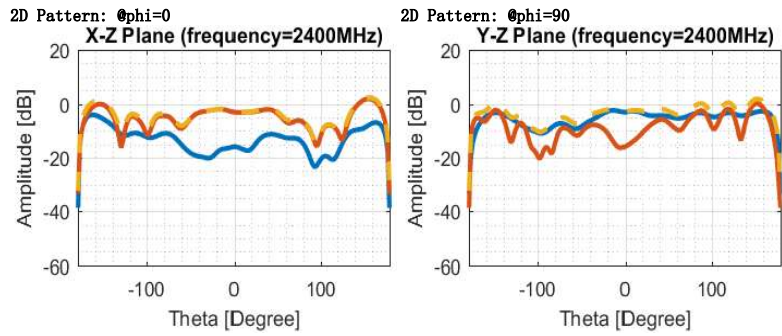
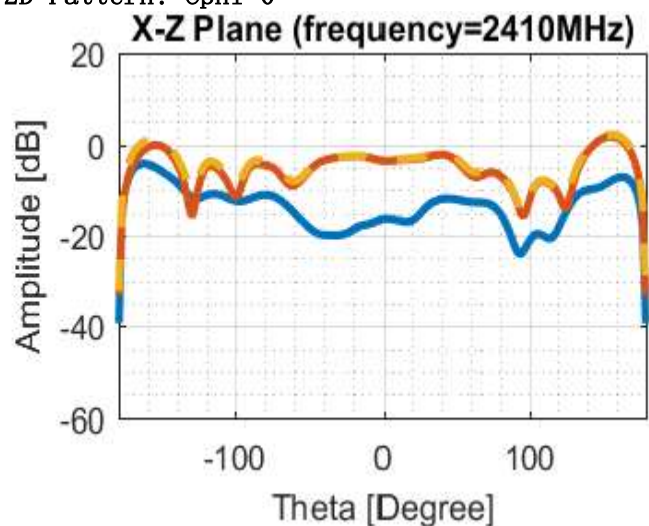




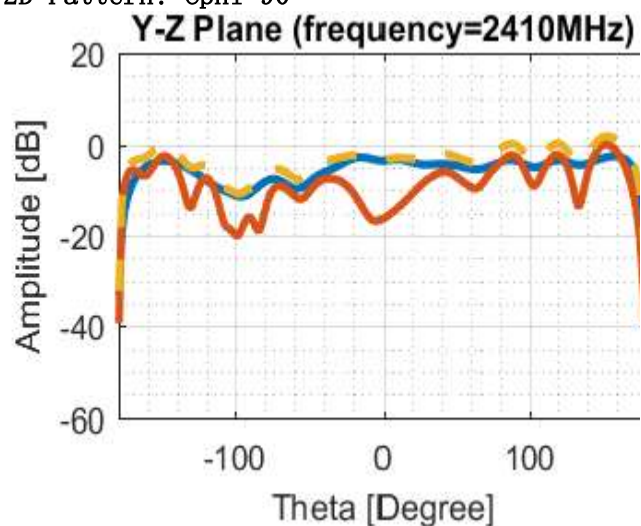
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
$E_h(max)$	-4.07	-2.47	-2.71
$E_v(max)$	1.83	0.08	-2.54
$E_{total}(max)$	2.27	1.8	0.23
$E_h(min)$	-38.67	-33.42	-21.93
$E_v(min)$	-33.42	-38.67	-16.18
$E_{total}(min)$	-32.28	-32.28	-12.69
$E_h(avg)$	-12.62	-4.47	-11.22
$E_v(avg)$	-4.66	-8.45	-5.42
$E_{total}(avg)$	-3.79	-2.9	-4
degree	X-Z plane	Y-Z plane	X-Y plane
$E_h(max)$	-164	-14	70
$E_v(max)$	166	152	106
$E_{total}(max)$	166	154	74
$E_h(min)$	-180	180	0
$E_v(min)$	-180	-180	-88
$E_{total}(min)$	-180	180	-104
$E_h(3dB)$	29.15	205.71	65.75
$E_v(3dB)$	28.06	19.16	126.79
$E_{total}(3dB)$	29.3	24.26	95

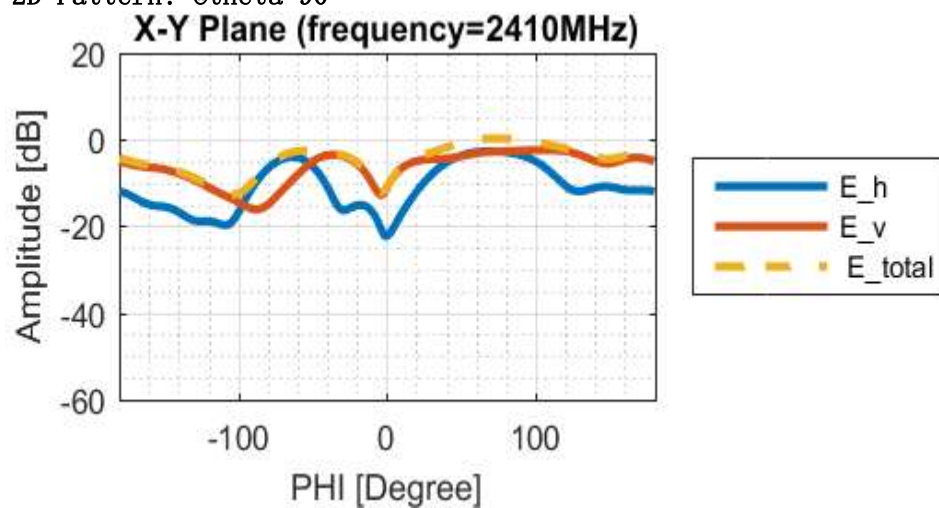
2D Pattern: @phi=0



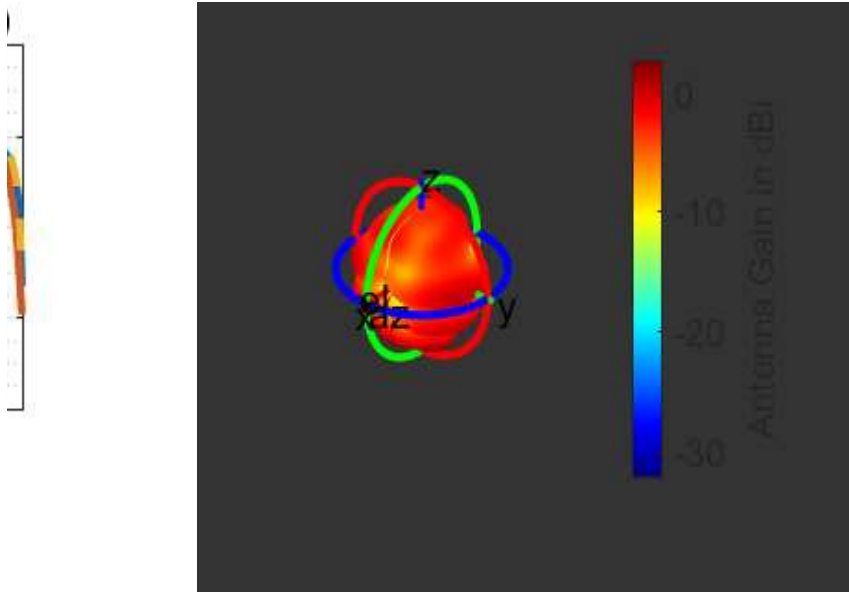
2D Pattern: @phi=90



2D Pattern: @theta=90



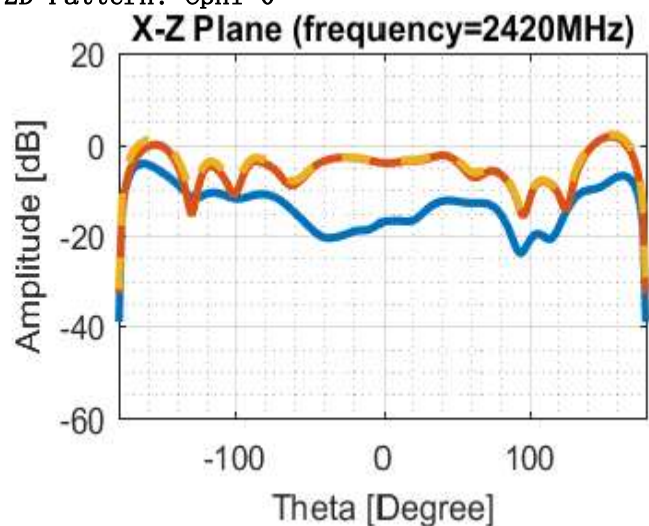
3D Pattern:



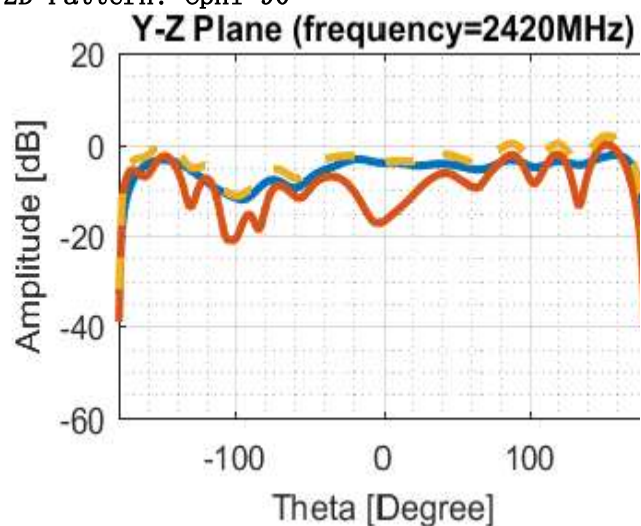
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.28	-2.63	-2.65
E_v(max)	1.68	-0.08	-2.37
E_total(max)	2.11	1.76	0.3
E_h(min)	-39.31	-33.16	-22.3
E_v(min)	-33.16	-39.31	-16.11
E_total(min)	-32.22	-32.22	-12.61
E_h(avg)	-12.68	-4.57	-11.59
E_v(avg)	-4.7	-8.56	-5.12
E_total(avg)	-3.8	-3.17	-3.92
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	158	70
E_v(max)	156	152	108
E_total(max)	156	154	74
E_h(min)	180	180	0
E_v(min)	-180	-180	-88
E_total(min)	180	180	-102
E_h(3dB)	28.53	207.42	64.68
E_v(3dB)	28.03	19.29	128.73
E_total(3dB)	29.19	24.35	95.63

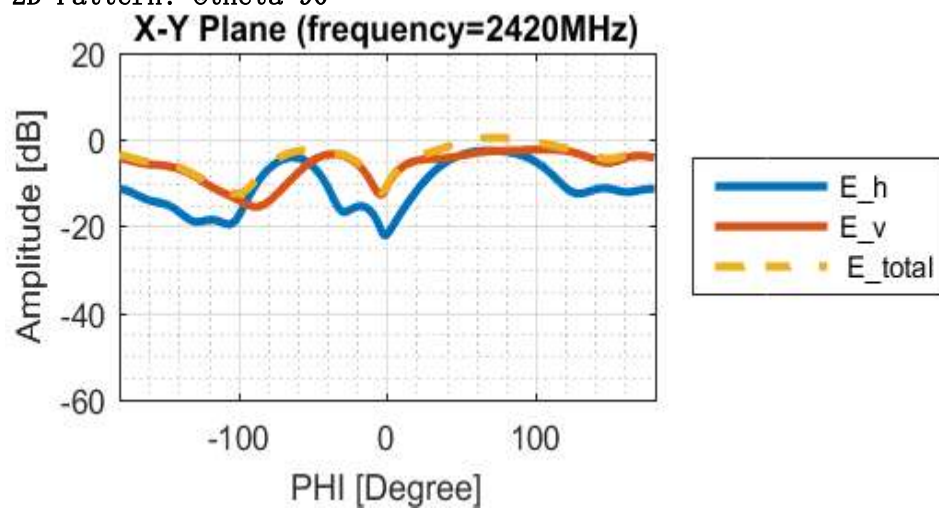
2D Pattern: @phi=0



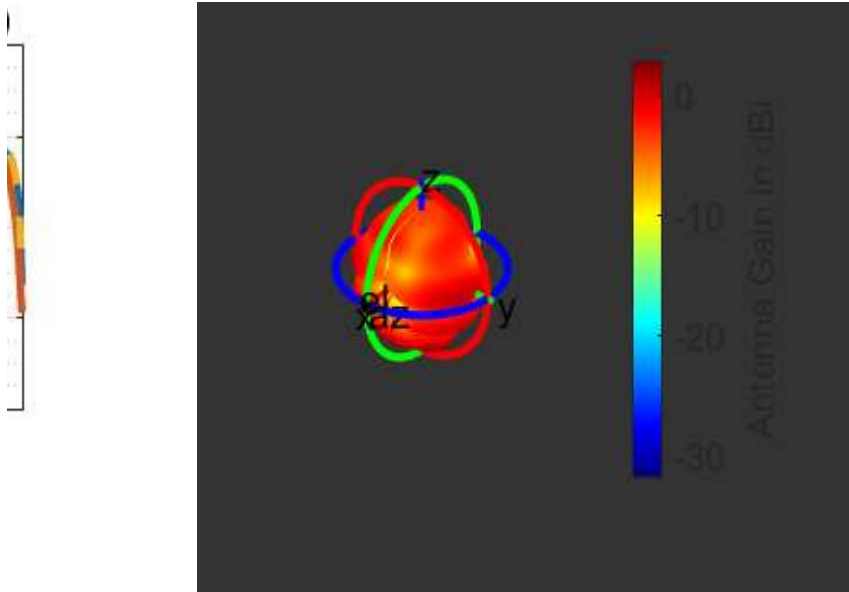
2D Pattern: @phi=90



2D Pattern: @theta=90



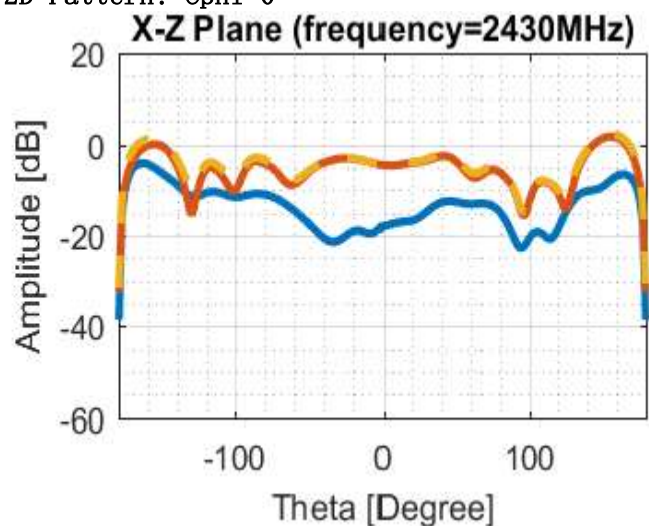
3D Pattern:



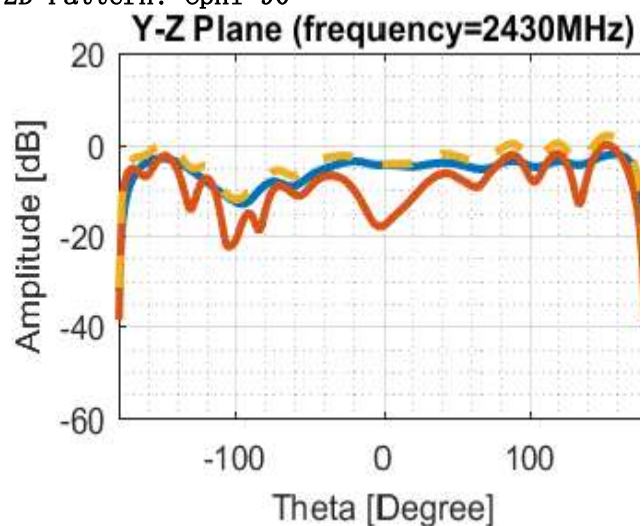
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.26	-2.4	-2.51
E_v(max)	1.71	-0.08	-2.24
E_total(max)	2.15	1.86	0.44
E_h(min)	-39.04	-32.77	-22.17
E_v(min)	-32.77	-39.04	-15.5
E_total(min)	-31.85	-31.85	-12.44
E_h(avg)	-12.89	-4.66	-11.55
E_v(avg)	-4.6	-8.48	-4.83
E_total(avg)	-3.91	-3.35	-3.64
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	158	68
E_v(max)	156	154	106
E_total(max)	156	154	72
E_h(min)	180	180	-2
E_v(min)	-180	-180	-88
E_total(min)	-180	180	-100
E_h(3dB)	27.43	102.78	63.44
E_v(3dB)	28.04	19.57	129.32
E_total(3dB)	29.24	24.55	94.48

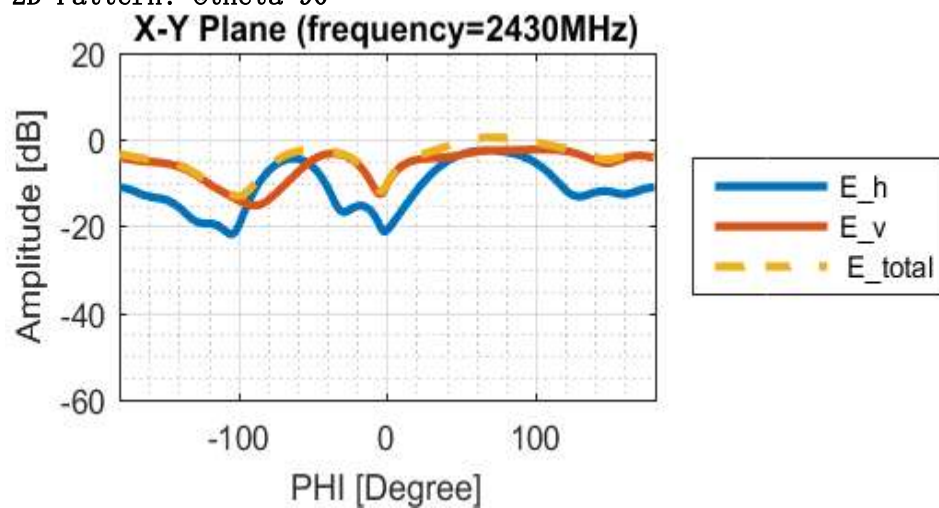
2D Pattern: @phi=0



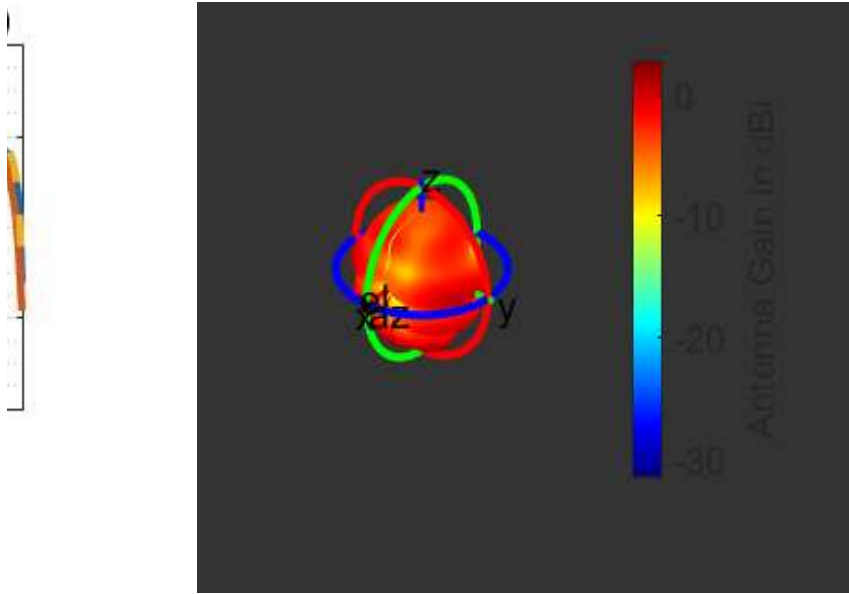
2D Pattern: @phi=90



2D Pattern: @theta=90



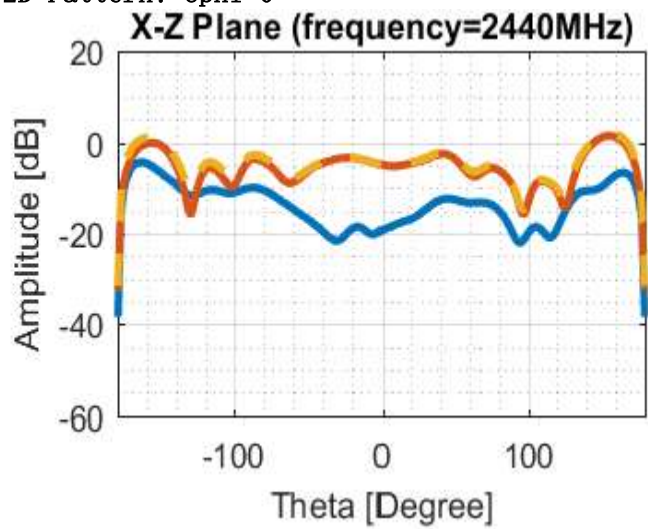
3D Pattern:



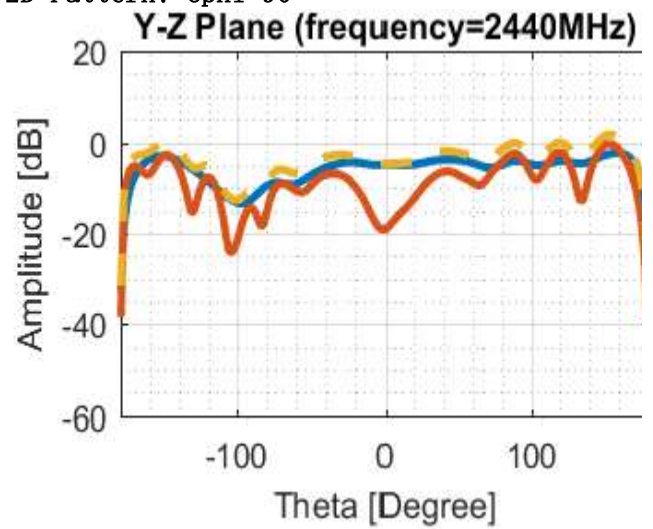
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.14	-2.2	-2.48
E_v(max)	1.68	-0.16	-2.28
E_total(max)	2.13	1.88	0.51
E_h(min)	-38.55	-32.45	-21.86
E_v(min)	-32.45	-38.55	-15.18
E_total(min)	-31.5	-31.5	-13.02
E_h(avg)	-13.04	-4.67	-11.9
E_v(avg)	-4.72	-8.26	-4.66
E_total(avg)	-4.25	-3.26	-3.62
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	158	68
E_v(max)	156	154	104
E_total(max)	156	154	70
E_h(min)	-180	180	-104
E_v(min)	-180	-180	-88
E_total(min)	-180	-180	-100
E_h(3dB)	26.25	98.85	62.46
E_v(3dB)	28.17	19.83	130.5
E_total(3dB)	29.44	24.82	92.73

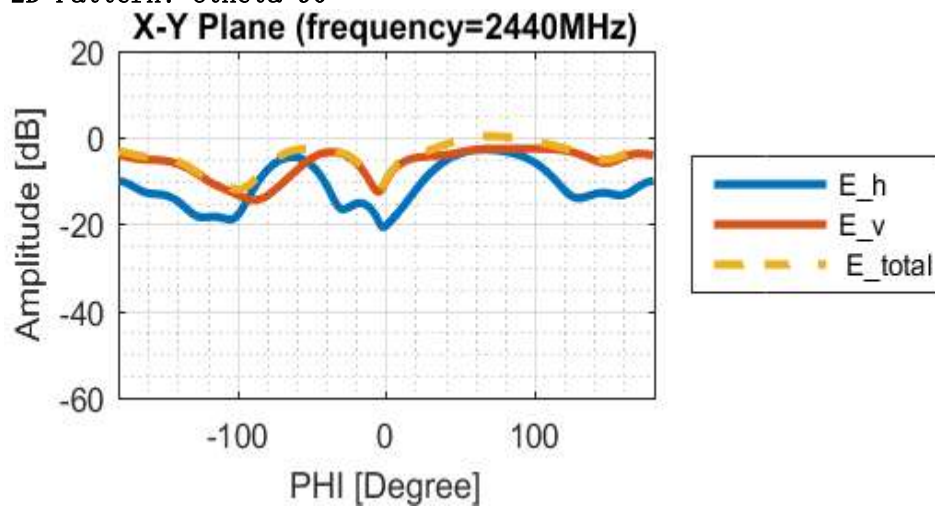
2D Pattern: @phi=0



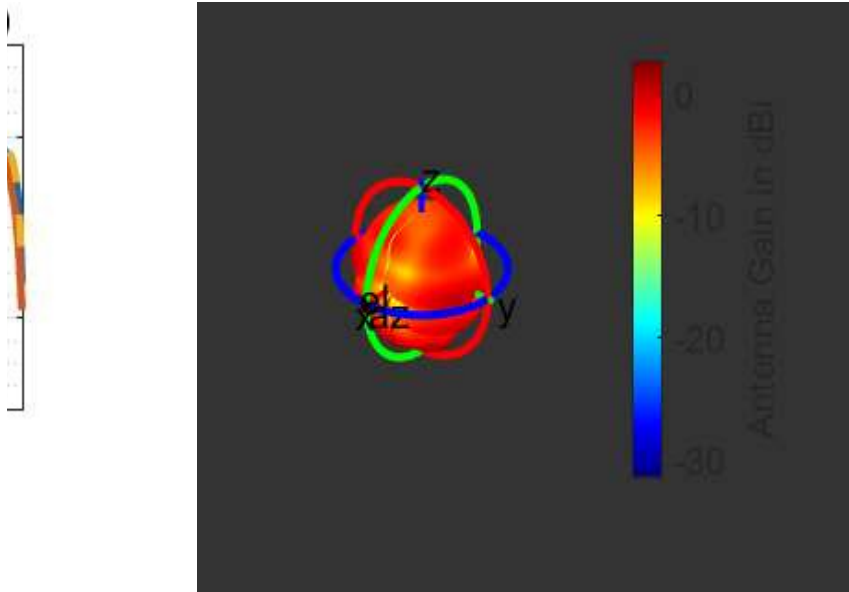
2D Pattern: @phi=90



2D Pattern: @theta=90



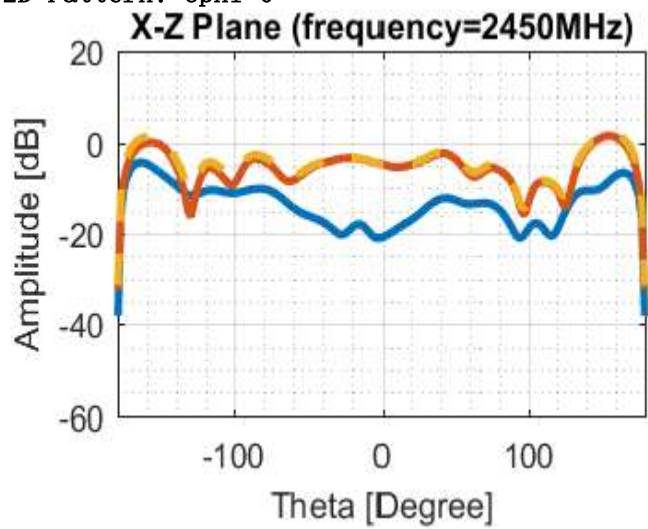
3D Pattern:



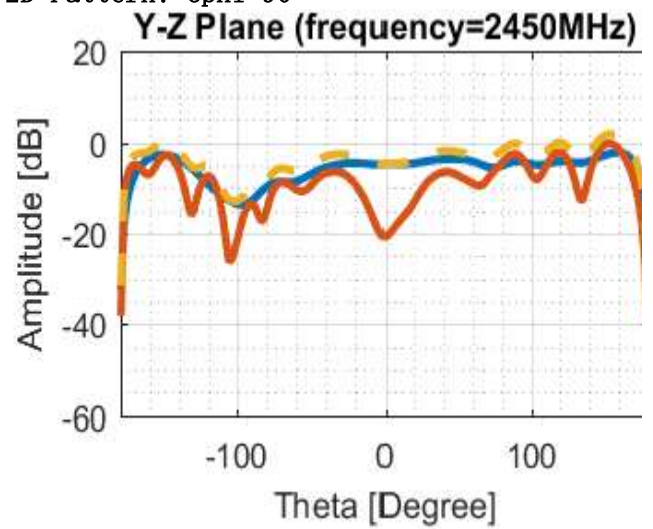
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.39	-2.34	-2.75
E_v(max)	1.42	-0.38	-2.51
E_total(max)	1.86	1.68	0.36
E_h(min)	-38.35	-32.53	-20.84
E_v(min)	-32.53	-38.35	-14.42
E_total(min)	-31.52	-31.52	-11.95
E_h(avg)	-13.25	-4.91	-12.11
E_v(avg)	-5.16	-8.19	-4.76
E_total(avg)	-4.61	-3.35	-3.69
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	160	66
E_v(max)	156	154	74
E_total(max)	156	154	68
E_h(min)	180	180	-2
E_v(min)	-180	-180	-88
E_total(min)	-180	-180	-100
E_h(3dB)	25.64	95	62.06
E_v(3dB)	28.32	19.98	130.35
E_total(3dB)	29.72	25.01	91.11

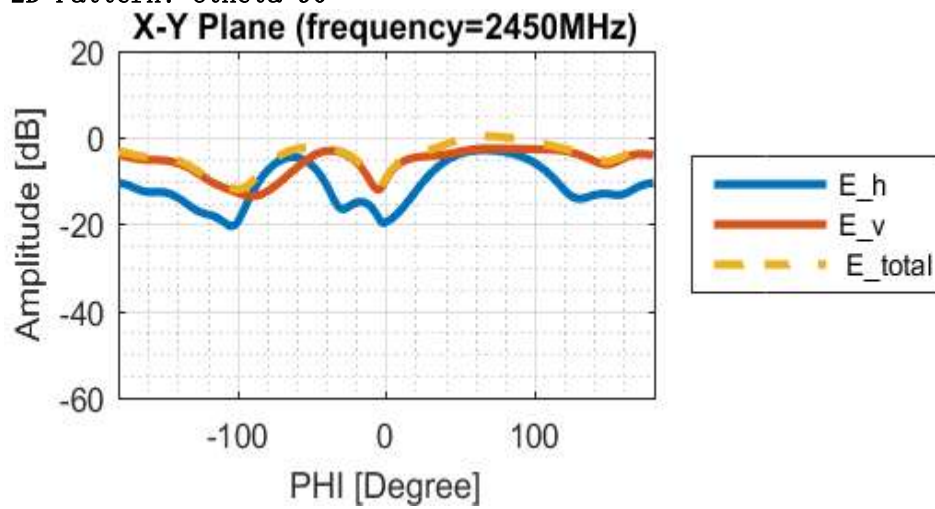
2D Pattern: @phi=0



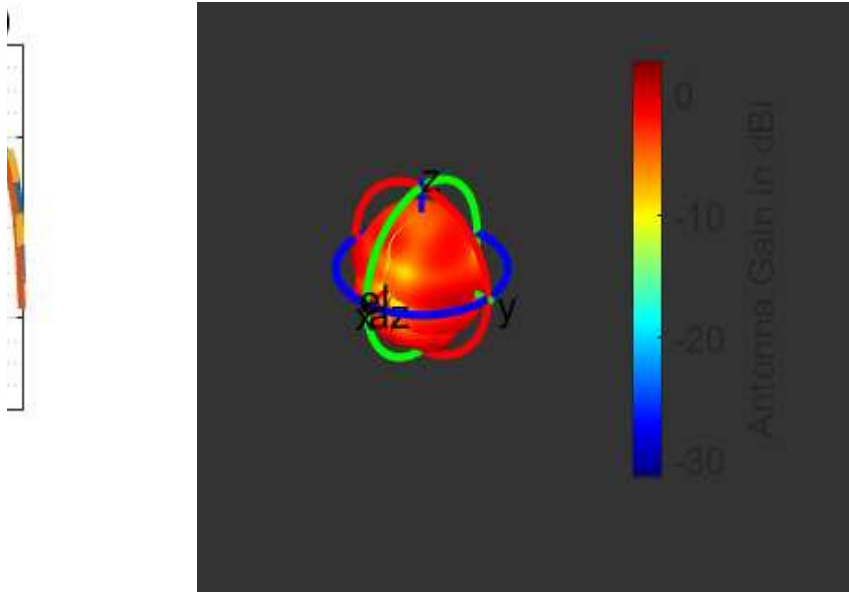
2D Pattern: @phi=90



2D Pattern: @theta=90



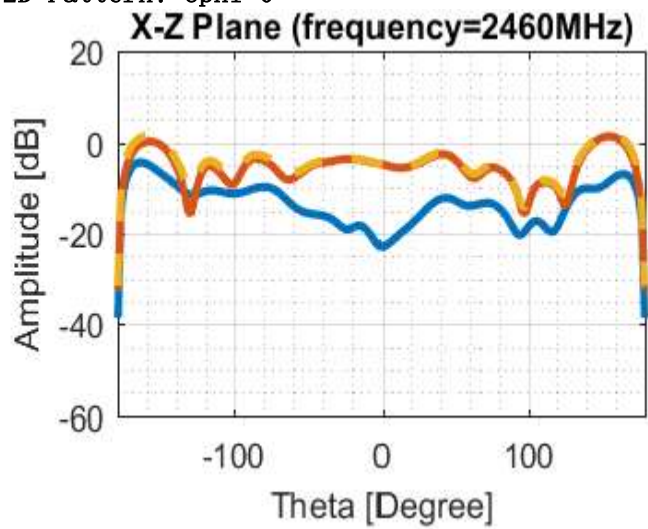
3D Pattern:



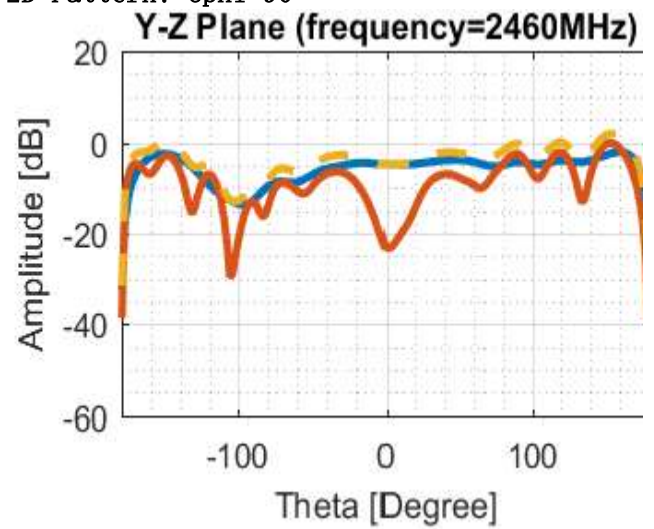
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.45	-2.27	-2.86
E_v(max)	1.41	-0.26	-2.44
E_total(max)	1.84	1.76	0.36
E_h(min)	-38.14	-32.43	-20.45
E_v(min)	-32.43	-38.14	-13.51
E_total(min)	-31.4	-31.4	-11.91
E_h(avg)	-13.31	-4.81	-12.05
E_v(avg)	-5.33	-8.19	-4.75
E_total(avg)	-4.61	-3.22	-3.73
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	160	66
E_v(max)	156	154	70
E_total(max)	156	154	68
E_h(min)	180	-180	-104
E_v(min)	-180	-180	-90
E_total(min)	-180	-180	-100
E_h(3dB)	25.41	93.05	62.16
E_v(3dB)	28.53	20.01	128.46
E_total(3dB)	30.06	25.22	90.21

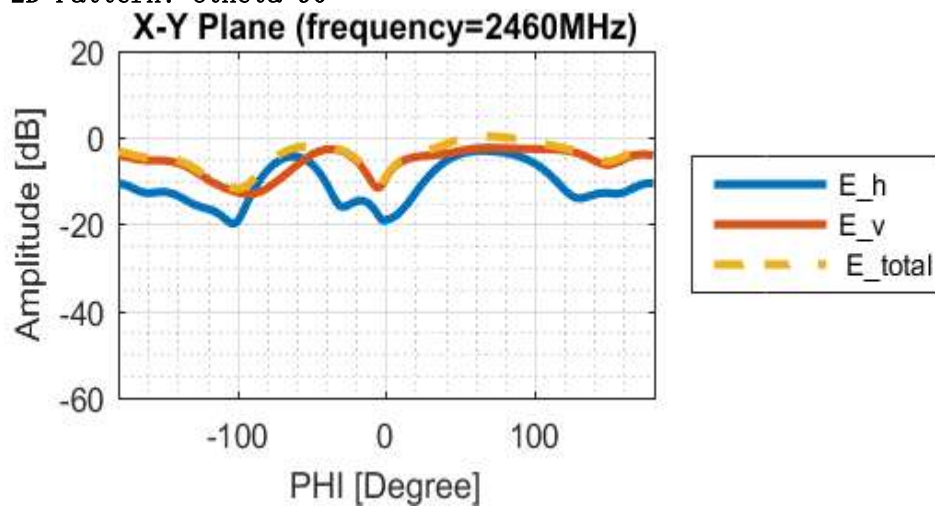
2D Pattern: @phi=0



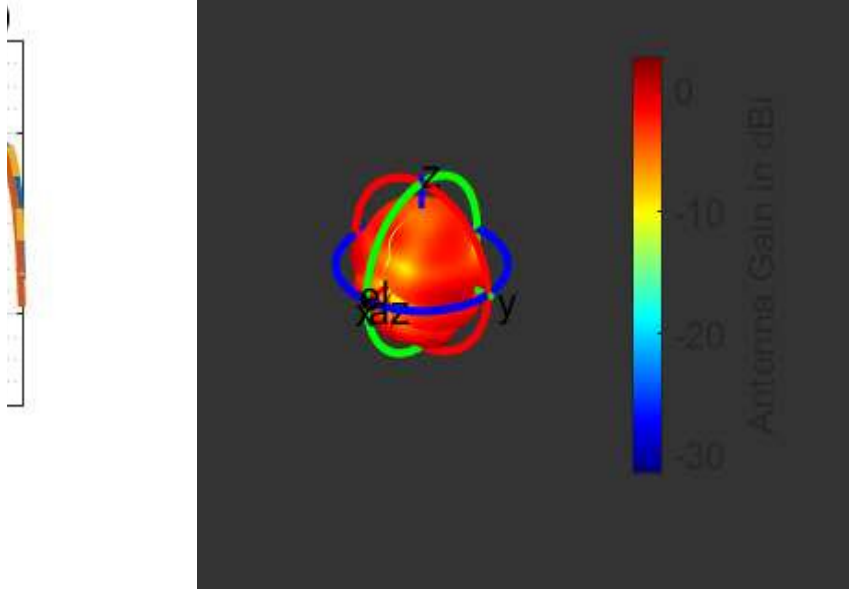
2D Pattern: @phi=90



2D Pattern: @theta=90



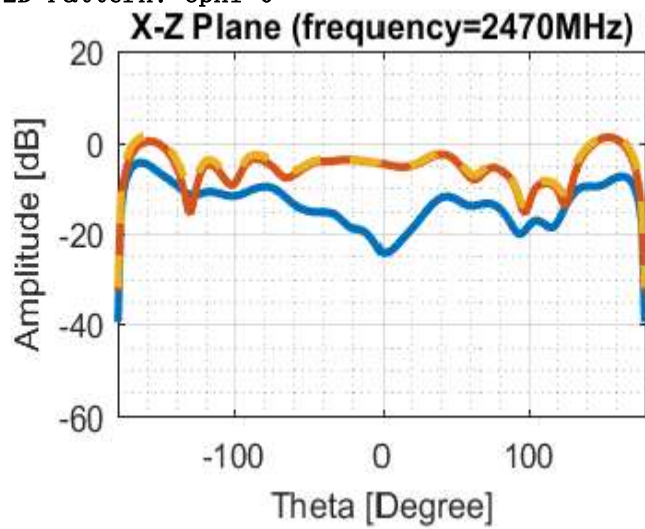
3D Pattern:



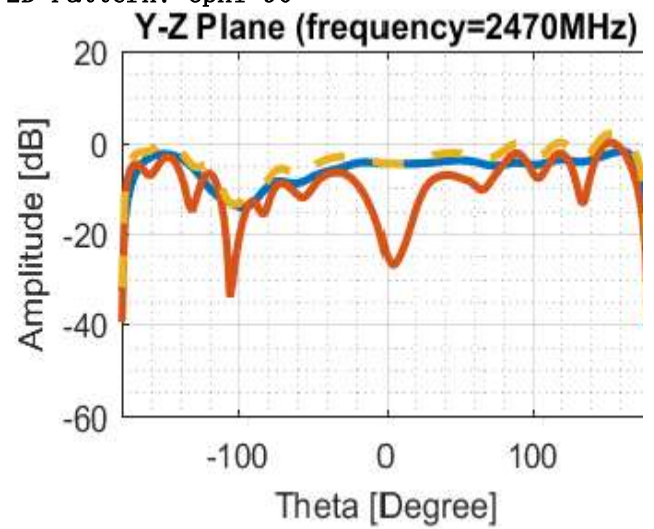
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.4	-2.14	-3.03
E_v(max)	1.31	-0.17	-2.32
E_total(max)	1.74	1.84	0.34
E_h(min)	-38.56	-32.51	-19.86
E_v(min)	-32.51	-38.56	-13.05
E_total(min)	-31.54	-31.54	-11.76
E_h(avg)	-13.29	-4.8	-12.04
E_v(avg)	-5.27	-8.1	-4.65
E_total(avg)	-4.6	-3.23	-3.62
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	160	66
E_v(max)	156	154	70
E_total(max)	156	154	66
E_h(min)	-180	180	-102
E_v(min)	-180	-180	-92
E_total(min)	-180	-180	-100
E_h(3dB)	25.29	93.63	62.76
E_v(3dB)	28.54	19.95	128.71
E_total(3dB)	30.15	25.45	92.49

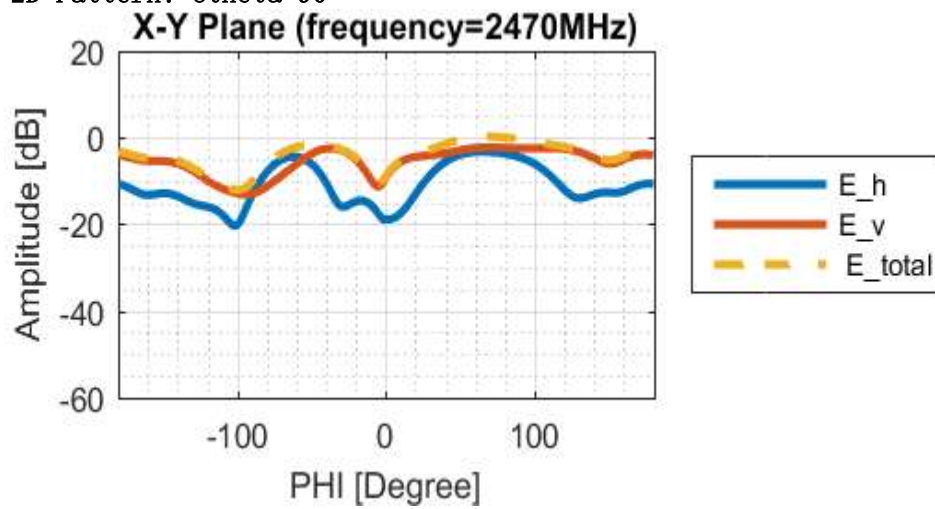
2D Pattern: @phi=0



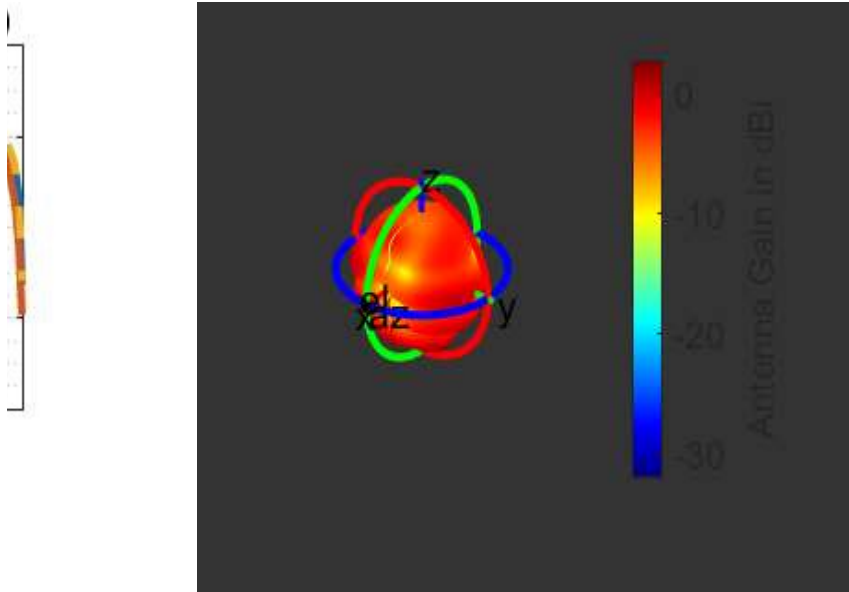
2D Pattern: @phi=90



2D Pattern: @theta=90



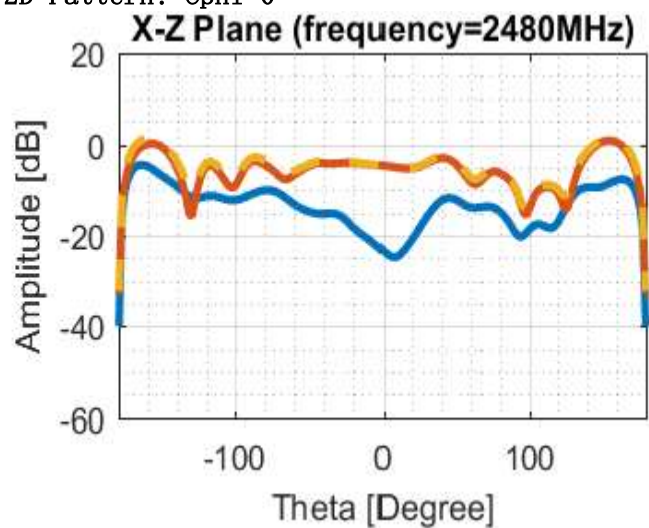
3D Pattern:



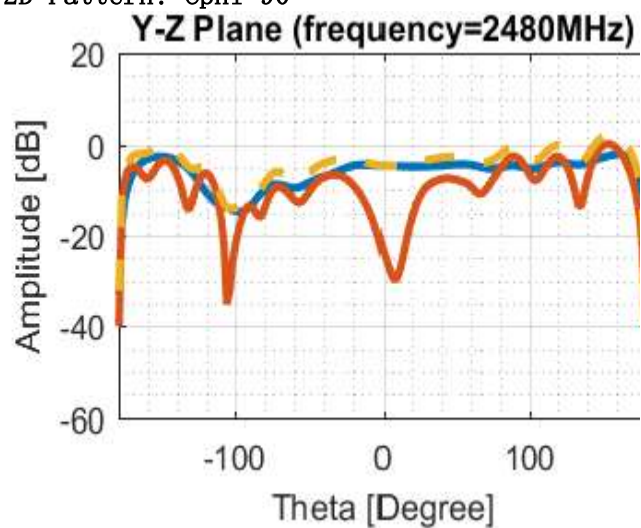
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.48	-2.03	-3.22
E_v(max)	1.09	-0.02	-2.22
E_total(max)	1.54	1.93	0.31
E_h(min)	-39.51	-32.7	-20.4
E_v(min)	-32.7	-39.51	-13.1
E_total(min)	-31.88	-31.88	-12.13
E_h(avg)	-13.16	-4.72	-12.08
E_v(avg)	-5.12	-8.2	-4.55
E_total(avg)	-4.56	-3.34	-3.59
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	162	64
E_v(max)	156	154	68
E_total(max)	156	154	66
E_h(min)	180	-180	-102
E_v(min)	-180	-180	-94
E_total(min)	-180	-180	-100
E_h(3dB)	25.46	93.69	63.65
E_v(3dB)	28.53	19.91	130.7
E_total(3dB)	30.13	25.58	97.31

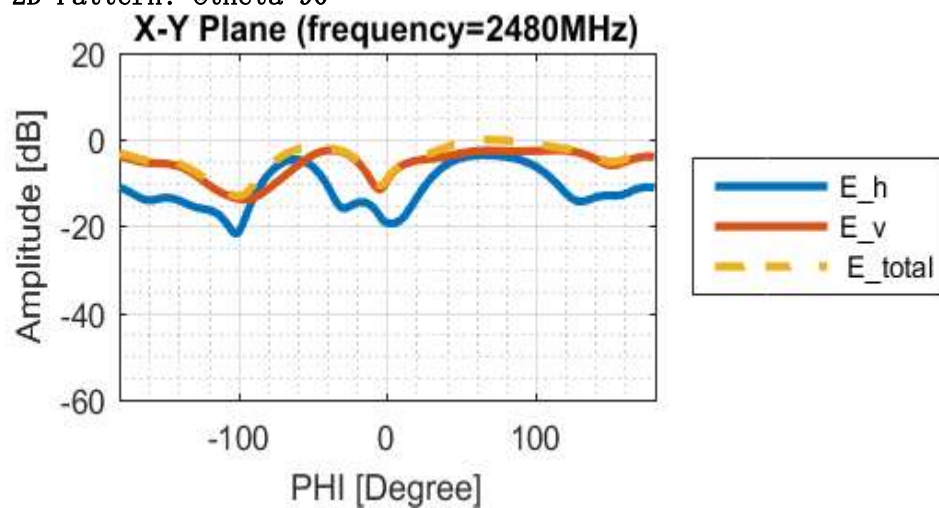
2D Pattern: @phi=0



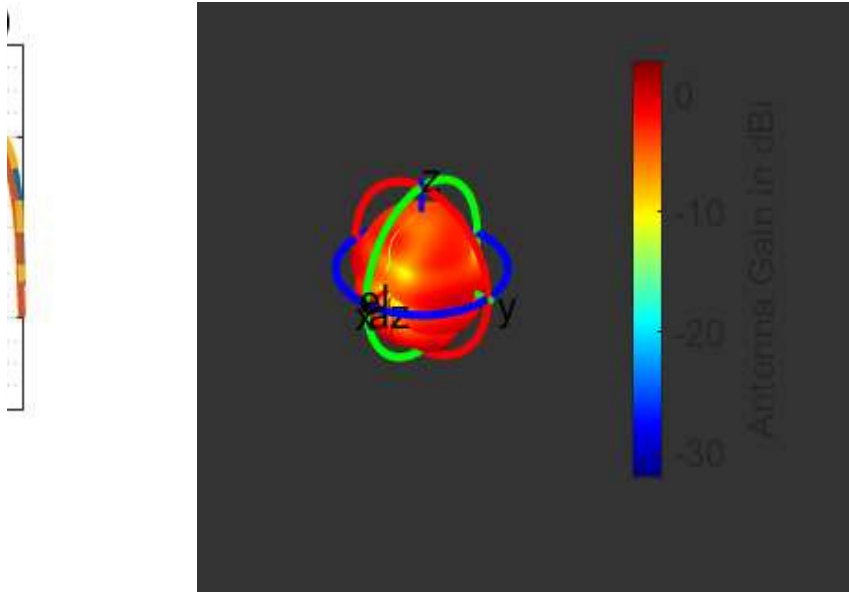
2D Pattern: @phi=90



2D Pattern: @theta=90



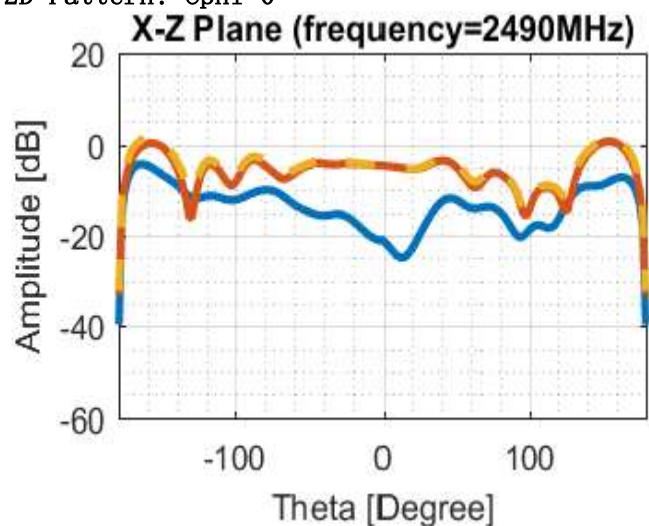
3D Pattern:



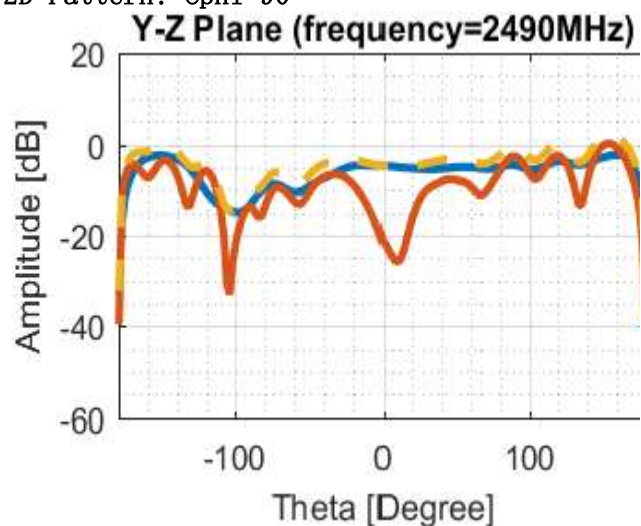
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.53	-2.22	-3.56
E_v(max)	0.8	0.07	-2.42
E_total(max)	1.28	1.95	0.01
E_h(min)	-39.96	-32.96	-21.73
E_v(min)	-32.96	-39.96	-13.82
E_total(min)	-32.17	-32.17	-13
E_h(avg)	-12.97	-4.88	-12.42
E_v(avg)	-5.12	-8.36	-4.7
E_total(avg)	-4.55	-3.57	-3.64
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	160	66
E_v(max)	154	154	-38
E_total(max)	156	154	66
E_h(min)	180	-180	-102
E_v(min)	-180	-180	-96
E_total(min)	-180	-180	-100
E_h(3dB)	25.82	66.23	64.77
E_v(3dB)	28.37	20.01	38.98
E_total(3dB)	30.09	25.3	101.92

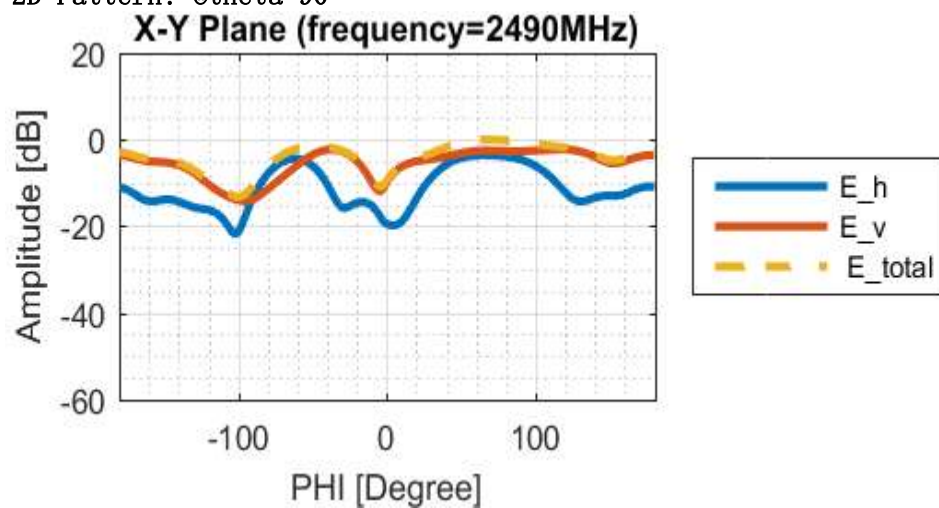
2D Pattern: @phi=0



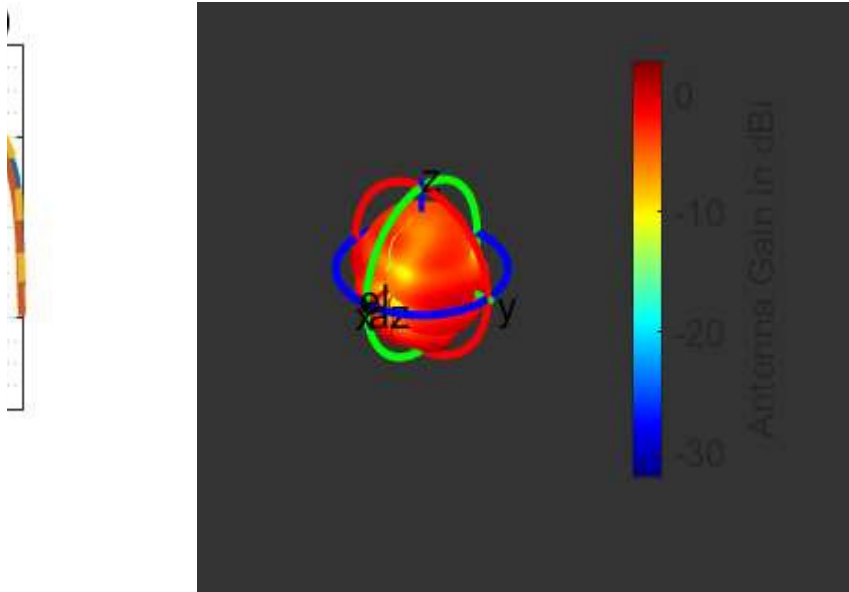
2D Pattern: @phi=90



2D Pattern: @theta=90



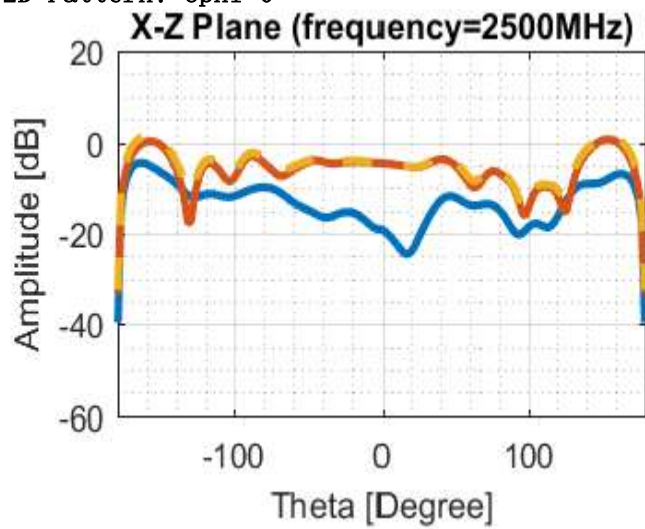
3D Pattern:



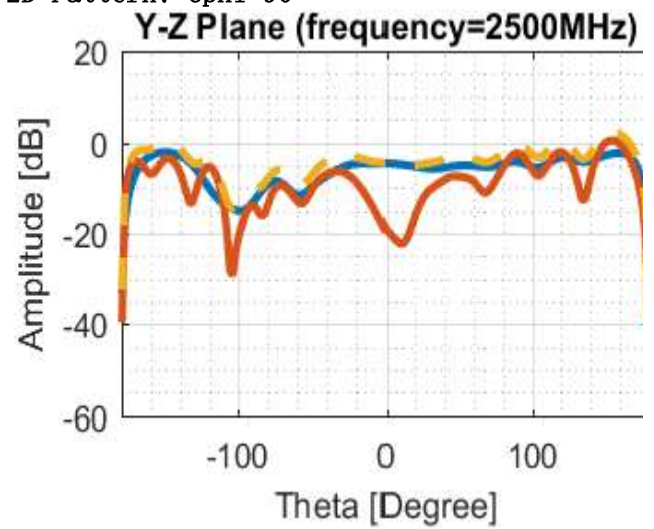
x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.37	-2.35	-3.57
E_v(max)	0.65	0.16	-2.23
E_total(max)	1.35	2	0.01
E_h(min)	-39.63	-33.07	-21.79
E_v(min)	-33.07	-39.63	-14.14
E_total(min)	-32.2	-32.2	-13.23
E_h(avg)	-13.05	-5.18	-12.43
E_v(avg)	-5.1	-8.41	-4.58
E_total(avg)	-4.59	-3.77	-3.45
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	160	66
E_v(max)	154	154	118
E_total(max)	-160	156	66
E_h(min)	-180	180	-102
E_v(min)	-180	-180	-96
E_total(min)	-180	-180	-100
E_h(3dB)	26.51	65.52	65.83
E_v(3dB)	28.11	20.28	131.78
E_total(3dB)	27.33	25.06	105.19

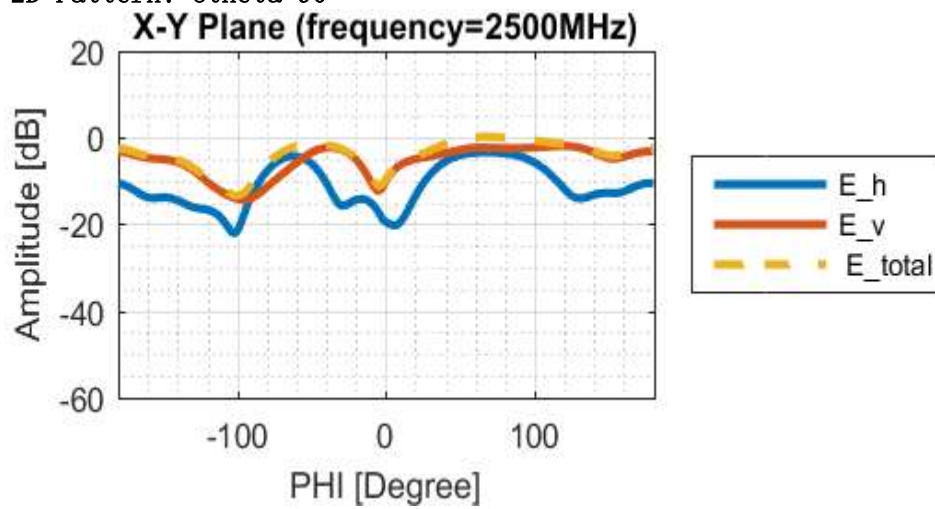
2D Pattern: @phi=0



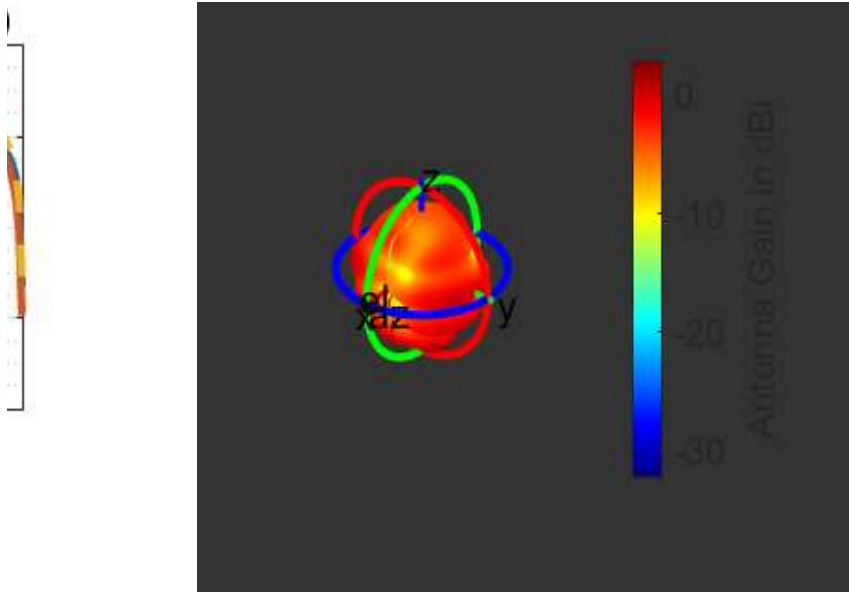
2D Pattern: @phi=90



2D Pattern: @theta=90



3D Pattern:



x-axis: red
y-axis: green
z-axis: blue

dBi	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-4.52	-2.19	-3.36
E_v(max)	0.59	0.37	-1.88
E_total(max)	1.31	2.16	0.23
E_h(min)	-39.65	-33.26	-22.15
E_v(min)	-33.26	-39.65	-14.32
E_total(min)	-32.36	-32.36	-13.4
E_h(avg)	-12.9	-5.2	-12.16
E_v(avg)	-5.1	-8.18	-4.26
E_total(avg)	-4.51	-3.75	-3.17
degree	X-Z plane	Y-Z plane	X-Y plane
E_h(max)	-164	-150	66
E_v(max)	154	154	118
E_total(max)	-160	156	66
E_h(min)	180	180	-102
E_v(min)	-180	-180	-96
E_total(min)	-180	-180	-100
E_h(3dB)	27.23	36.33	66.55
E_v(3dB)	27.84	20.47	186.41
E_total(3dB)	27	24.82	107.4