

Antenna Information

Section 1. Antenna Assembly Specifications

Clamshell mode

1A Antenna Part Number	1B Manu- facture	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
AYP6Y-100347 Main Antenna	AWAN	PIFA	50 ohm Coaxial Length: 125.7 mm Diamter: 1.13 mm Connector: IPEX 20565-001R-13	2400-2483.5	1.32 dBi, (peak)	1.67 dBi, (peak)	2 dBi, (peak)	0.35 dB, (peak)
				5150-5250	3.57 dBi, (peak)	4.09 dBi, (peak)	2 dBi, (peak)	0.52 dB, (peak)
				5250-5350	3.57 dBi, (peak)	4.09 dBi, (peak)	2 dBi, (peak)	0.52 dB, (peak)
				5470-5725	4.15 dBi, (peak)	4.69 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5725-5850	4.72 dBi, (peak)	5.38 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5850-5895	4.47 dBi, (peak)	5.01 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5925-6425	4.36 dBi, (peak)	4.92 dBi, (peak)	2 dBi, (peak)	0.56 dB, (peak)
				6425-6525	3.99 dBi, (peak)	4.57 dBi, (peak)	2 dBi, (peak)	0.58 dB, (peak)
				6525-6875	4.26 dBi, (peak)	4.86 dBi, (peak)	2 dBi, (peak)	0.60 dB, (peak)
				6875-7125	3.28 dBi, (peak)	3.89 dBi, (peak)	2 dBi, (peak)	0.61 dB, (peak)
1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
AYP6Y-100348 Aux Antenna	AWAN	PIFA	50 ohm Coaxial Length: 292.4 mm Diamter: 1.13 mm Connector: IPEX 20565-001R-13	2400-2483.5	1.21 dBi, (peak)	2.02 dBi, (peak)	2 dBi, (peak)	0.81 dB, (peak)
				5150-5250	2.24 dBi, (peak)	3.44 dBi, (peak)	2 dBi, (peak)	1.20 dB, (peak)
				5250-5350	2.24 dBi, (peak)	3.45 dBi, (peak)	2 dBi, (peak)	1.21 dB, (peak)
				5470-5725	3.04 dBi, (peak)	4.29 dBi, (peak)	2 dBi, (peak)	1.25 dB, (peak)
				5725-5850	3.95 dBi, (peak)	5.50 dBi, (peak)	2 dBi, (peak)	1.26 dB, (peak)
				5850-5895	4.01 dBi, (peak)	5.27 dBi, (peak)	2 dBi, (peak)	1.26 dB, (peak)
				5925-6425	3.43 dBi, (peak)	4.74 dBi, (peak)	2 dBi, (peak)	1.31 dB, (peak)
				6425-6525	1.57 dBi, (peak)	2.92 dBi, (peak)	2 dBi, (peak)	1.35 dB, (peak)
				6525-6875	3.98 dBi, (peak)	5.36 dBi, (peak)	2 dBi, (peak)	1.38 dB, (peak)
				6875-7125	3.42 dBi, (peak)	4.85 dBi, (peak)	2 dBi, (peak)	1.43 dB, (peak)

• 3D Antenna Peak Gain required being test in system basis

Regulatory WLAN Antenna Information

Tablet Mode

1A Antenna Part Number	1B Manu- facture	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
AYP6Y-100347 Main Antenna	AWAN	PIFA	50 ohm Coaxial Length: mm Diamter: mm Connector: IPEX 20565-001R-13	2400-2483.5	0.87 dBi, (peak)	1.22 dBi, (peak)	2 dBi, (peak)	0.35 dB, (peak)
				5150-5250	4.43 dBi, (peak)	4.95 dBi, (peak)	2 dBi, (peak)	0.52 dB, (peak)
				5250-5350	4.60 dBi, (peak)	5.12 dBi, (peak)	2 dBi, (peak)	0.52 dB, (peak)
				5470-5725	4.14 dBi, (peak)	4.68 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5725-5850	4.61 dBi, (peak)	5.15 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5850-5895	4.42 dBi, (peak)	4.96 dBi, (peak)	2 dBi, (peak)	0.54 dB, (peak)
				5925-6425	4.48 dBi, (peak)	5.04 dBi, (peak)	2 dBi, (peak)	0.56 dB, (peak)
				6425-6525	3.61 dBi, (peak)	4.19 dBi, (peak)	2 dBi, (peak)	0.58 dB, (peak)
				6525-6875	3.73 dBi, (peak)	4.33 dBi, (peak)	2 dBi, (peak)	0.60 dB, (peak)
				6875-7125	3.22 dBi, (peak)	3.83 dBi, (peak)	2 dBi, (peak)	0.61 dB, (peak)
1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
AYP6Y-100348 Aux Antenna	AWAN	PIFA	50 ohm Coaxial Length: mm Diamter: mm Connector: IPEX 20565-001R-13	2400-2483.5	0.47 dBi, (peak)	1.28 dBi, (peak)	2 dBi, (peak)	0.81 dB, (peak)
				5150-5250	1.98 dBi, (peak)	3.18 dBi, (peak)	2 dBi, (peak)	1.20 dB, (peak)
				5250-5350	1.98 dBi, (peak)	3.19 dBi, (peak)	2 dBi, (peak)	1.21 dB, (peak)
				5470-5725	1.52 dBi, (peak)	2.77 dBi, (peak)	2 dBi, (peak)	1.25 dB, (peak)
				5725-5850	0.88 dBi, (peak)	2.14 dBi, (peak)	2 dBi, (peak)	1.26 dB, (peak)
				5850-5895	1.63 dBi, (peak)	2.89 dBi, (peak)	2 dBi, (peak)	1.26 dB, (peak)
				5925-6425	3.16 dBi, (peak)	4.47 dBi, (peak)	2 dBi, (peak)	1.31 dB, (peak)
				6425-6525	1.87 dBi, (peak)	3.22 dBi, (peak)	2 dBi, (peak)	1.35 dB, (peak)
				6525-6875	3.61 dBi, (peak)	4.99 dBi, (peak)	2 dBi, (peak)	1.38 dB, (peak)
				6875-7125	3.61 dBi, (peak)	5.04 dBi, (peak)	2 dBi, (peak)	1.43 dB, (peak)

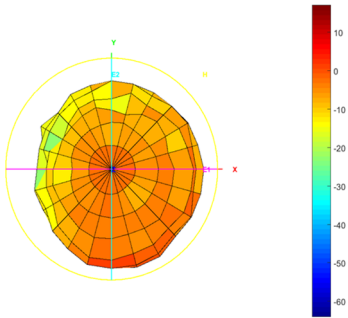
• 3D Antenna Peak Gain required being test in system basis

Section 3. Radiation characteristics of antennae Loaded in Host Platform

Clamshell mode

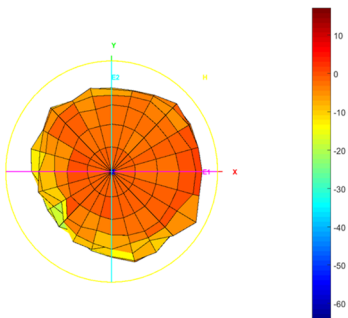
Main antenna

Max Antenna 3D Radiation Pattern 2400-2483.5 MHz



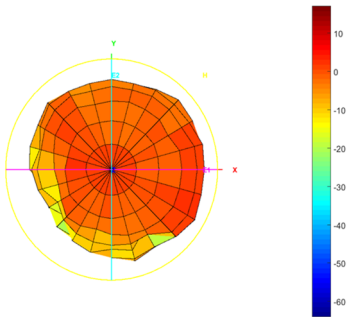
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.32

Max Antenna 3D Radiation Pattern 5150-5250 MHz



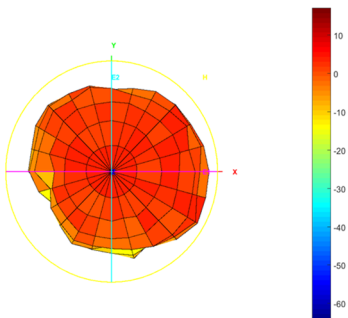
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	3.57

Max Antenna 3D Radiation Pattern 5250-5350 MHz



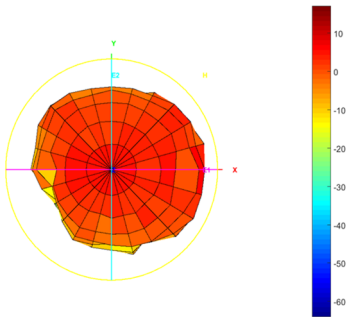
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	3.57

Max Antenna 3D Radiation Pattern 5470-5725 MHz



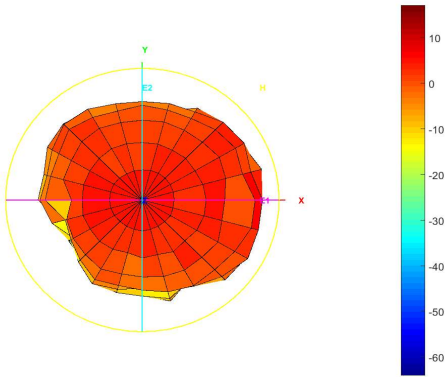
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	4.15

Max Antenna 3D Radiation Pattern 5725-5850 MHz



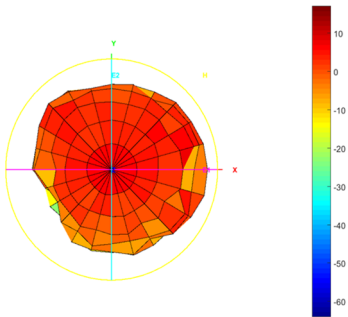
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	4.72

Max Antenna 3D Radiation Pattern 5850-5895 MHz



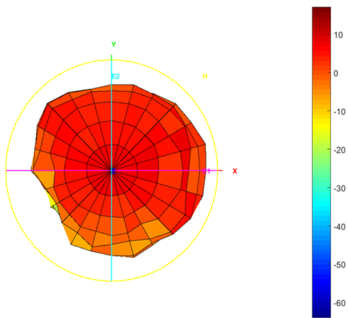
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	4.47

Max Antenna 3D Radiation Pattern 5925-6425 MHz



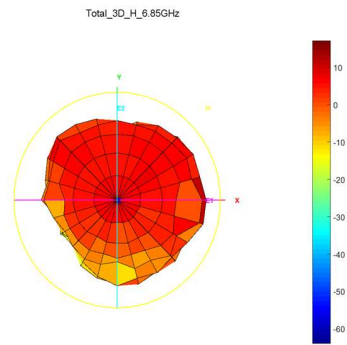
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	4.36

Max Antenna 3D Radiation Pattern 6425-6525 MHz



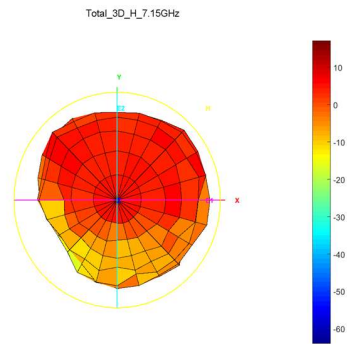
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.99

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	4.26

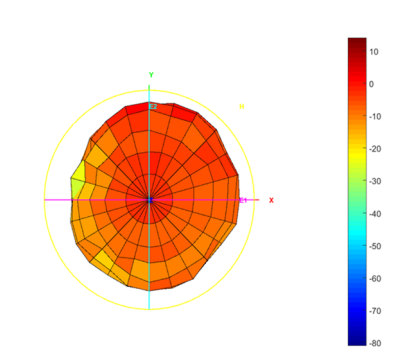
Max Antenna 3D Radiation Pattern 6875-7125 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.28

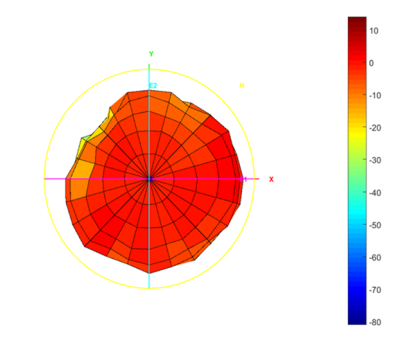
Auxiliary Antenna

Max Antenna 3D Radiation Pattern 2400-2483.5 MHz



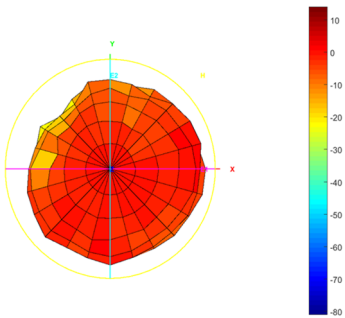
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.21

Max Antenna 3D Radiation Pattern 5150-5250 MHz



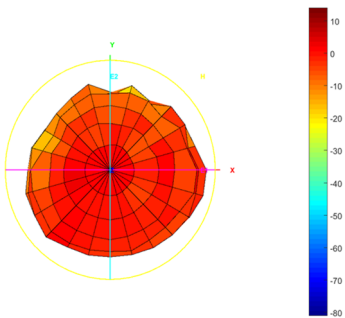
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.24

Max Antenna 3D Radiation Pattern 5250-5350 MHz



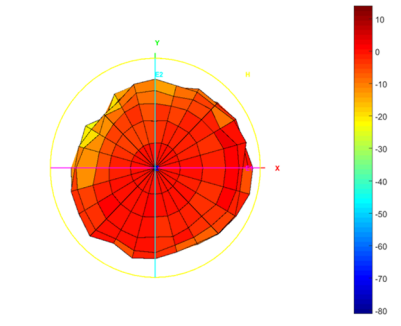
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.24

Max Antenna 3D Radiation Pattern 5470-5725 MHz



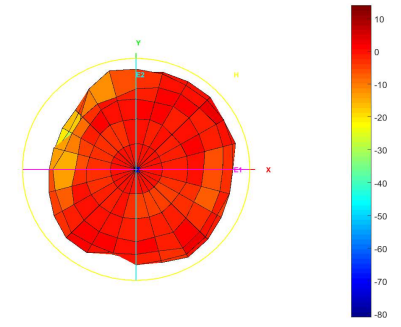
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	3.04

Max Antenna 3D Radiation Pattern 5725-5850 MHz



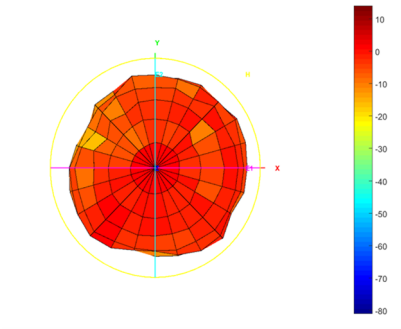
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	3.95

Max Antenna 3D Radiation Pattern 5850-5895 MHz



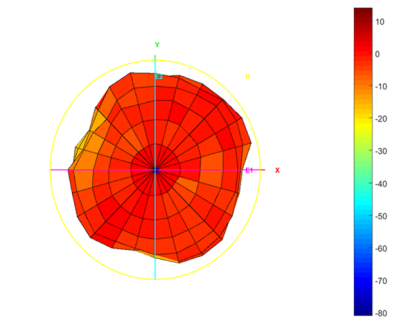
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	4.01

Max Antenna 3D Radiation Pattern 5925-6425 MHz



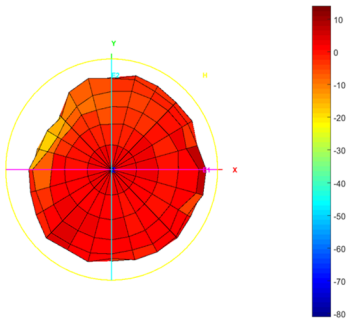
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.43

Max Antenna 3D Radiation Pattern 6425-6525 MHz



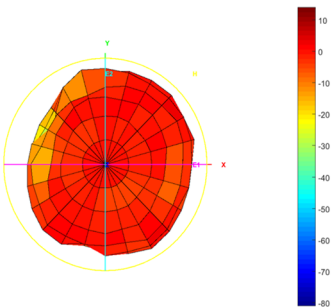
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.57

Max Antenna 3D Radiation Pattern 6525-6875 MHz



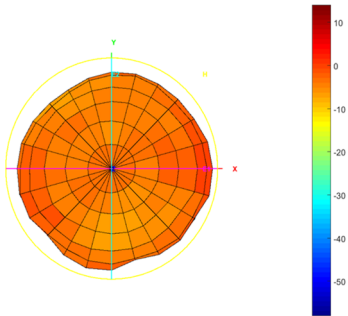
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.98

Max Antenna 3D Radiation Pattern 6875-7125 MHz



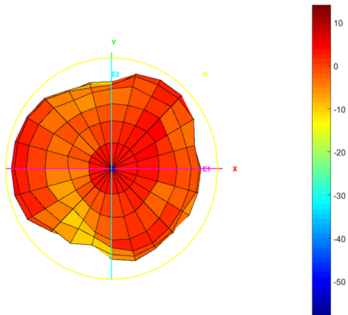
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.42

Tablet mode
Main antenna
Max Antenna 3D Radiation Pattern 2400-2483.5 MHz



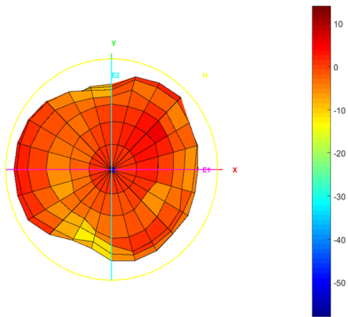
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	0.87

Max Antenna 3D Radiation Pattern 5150-5250 MHz



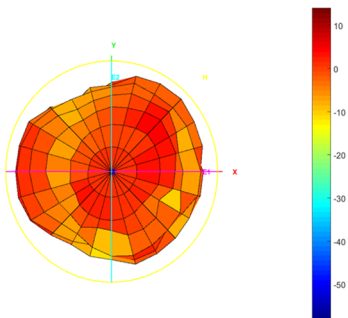
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	4.43

Max Antenna 3D Radiation Pattern 5250-5350 MHz



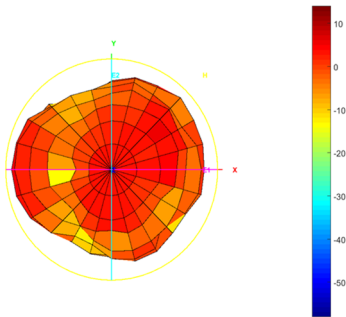
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	4.60

Max Antenna 3D Radiation Pattern 5470-5725 MHz



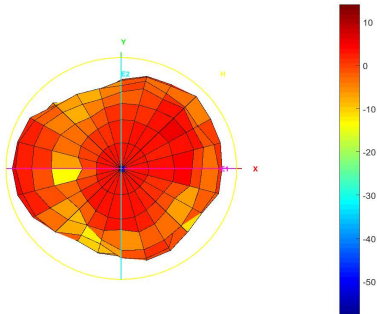
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	4.14

Max Antenna 3D Radiation Pattern 5725-5850 MHz



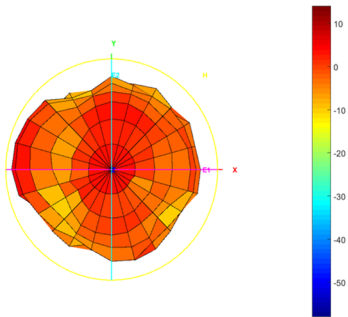
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	4.61

Max Antenna 3D Radiation Pattern 5850-5895 MHz



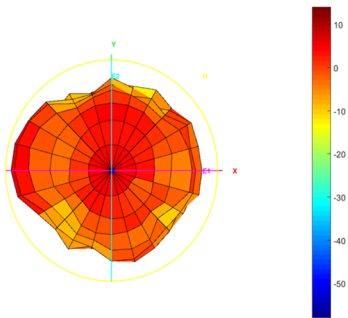
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	4.42

Max Antenna 3D Radiation Pattern 5925-6425 MHz



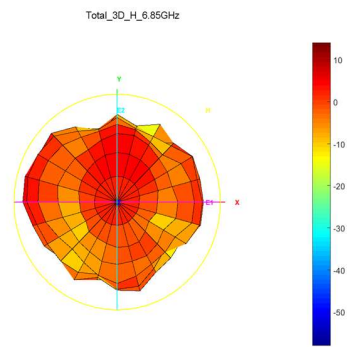
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	4.48

Max Antenna 3D Radiation Pattern 6425-6525 MHz



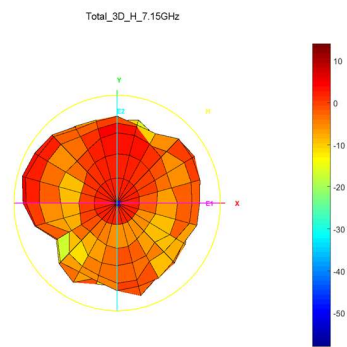
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.61

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.73

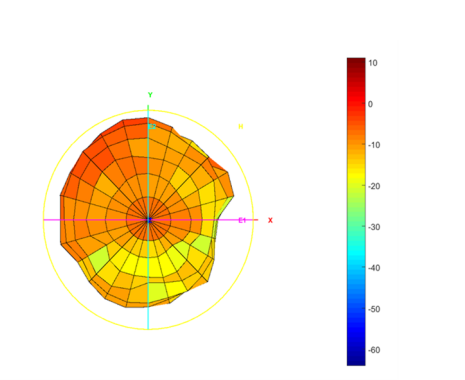
Max Antenna 3D Radiation Pattern 6875-7125 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.22

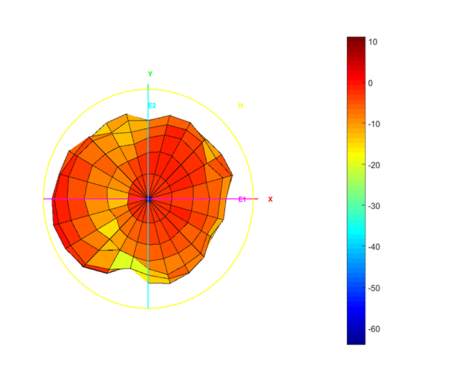
Auxiliary Antenna

Max Antenna 3D Radiation Pattern 2400-2483.5 MHz



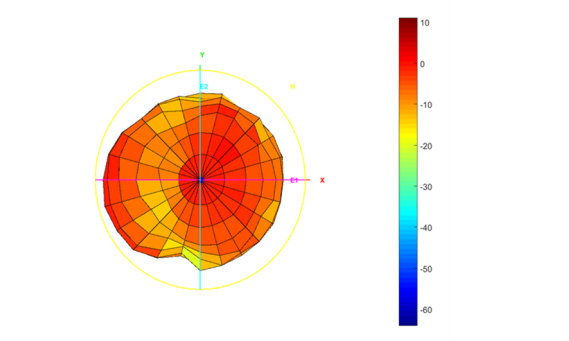
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	0.47

Max Antenna 3D Radiation Pattern 5150-5250 MHz



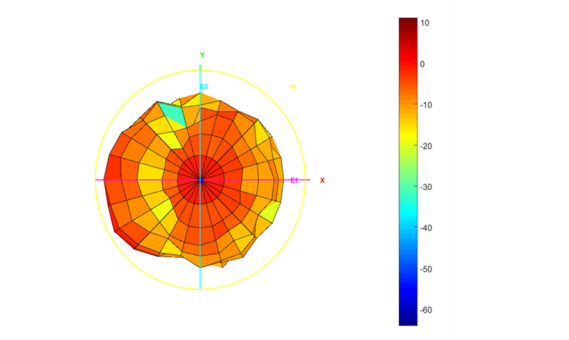
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.98

Max Antenna 3D Radiation Pattern 5250-5350 MHz



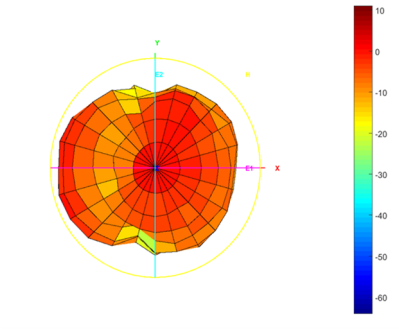
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.98

Max Antenna 3D Radiation Pattern 5470-5725 MHz



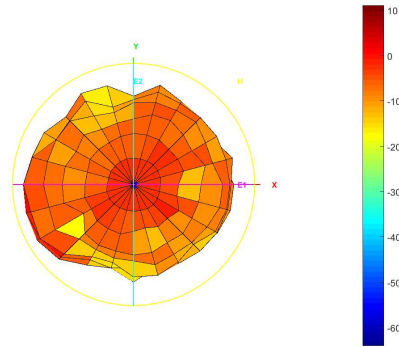
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	1.52

Max Antenna 3D Radiation Pattern 5725-5850 MHz



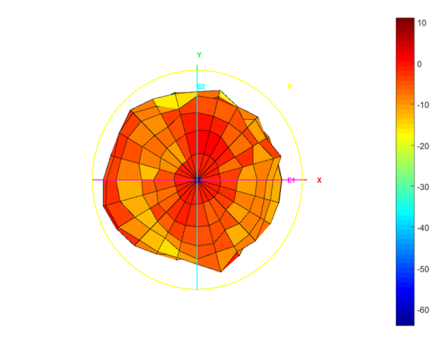
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	0.88

Max Antenna 3D Radiation Pattern 5850-5895 MHz



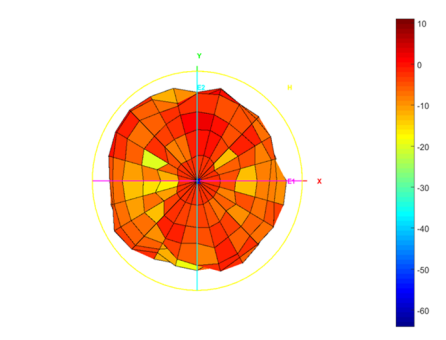
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	1.63

Max Antenna 3D Radiation Pattern 5925-6425 MHz



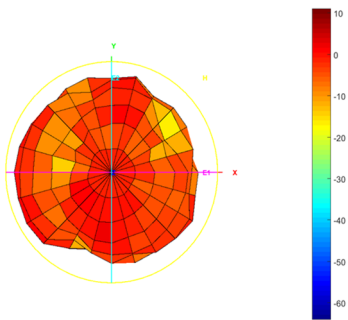
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.16

Max Antenna 3D Radiation Pattern 6425-6525 MHz



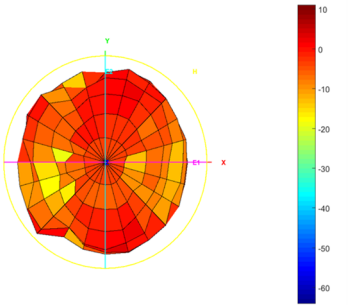
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.87

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.61

Max Antenna 3D Radiation Pattern 6875-7125 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.61