

Antenna Information

Section 1. Antenna Assembly Specifications

Clamshell mode

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-100291 Main Antenna	AWAN	PIFA	50 ohm Coaxial Length: 107 mm Diamter: 1.13 mm Low Loss Connector: IPEX 20565-001R-13	2400-2483.5	1.99 dBi, (peak)	2.29 dBi, (peak)	2 dBi, (peak)	0.3 dBi, (peak)
				5150-5250	1.62 dBi, (peak)	2.06 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5250-5350	1.62 dBi, (peak)	2.06 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5470-5725	0.26 dBi, (peak)	0.70 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5725-5850	1.51 dBi, (peak)	1.97 dBi, (peak)	2 dBi, (peak)	0.5 dBi, (peak)
				5925-6425	3.68 dBi, (peak)	4.27 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6425-6525	3.88 dBi, (peak)	4.49 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6525-6875	4.42 dBi, (peak)	5.05 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6875-7125	3.42 dBi, (peak)	4.07 dBi, (peak)	2 dBi, (peak)	0.7 dBi, (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-100292 Aux Antenna	AWAN	PIFA	50 ohm Coaxial Length: 286 mm Diameter: 1.13 mm Low Loss Connector: IPEX 20565-001R-13	2400-2483.5	2.02 dBi, (peak)	2.81 dBi, (peak)	2 dBi, (peak)	0.8 dBi, (peak)
				5150-5250	0.52 dBi, (peak)	1.70 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5250-5350	0.52 dBi, (peak)	1.70 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5470-5725	0.33 dBi, (peak)	1.55 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5725-5850	-0.08 dBi, (peak)	1.16 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5925-6425	0.79 dBi, (peak)	2.37 dBi, (peak)	2 dBi, (peak)	1.6 dBi, (peak)
				6425-6525	1.29 dBi, (peak)	2.93 dBi, (peak)	2 dBi, (peak)	1.6 dBi, (peak)
				6525-6875	1.29 dBi, (peak)	2.97 dBi, (peak)	2 dBi, (peak)	1.7 dBi, (peak)
				6875-7125	0.80 dBi, (peak)	2.54 dBi, (peak)	2 dBi, (peak)	1.7 dBi, (peak)

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

Tablet Mode

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- 100291 Main Antenna	AWAN	PIFA	50 ohm Coaxial Length: 107_mm Diamter: 1.13 mm Low Loss Connector: IPEX 20565-001R-13	2400-2483.5	2.68 dBi, (peak)	2.98 dBi, (peak)	2 dBi, (peak)	0.3 dBi, (peak)
				5150-5250	3.48 dBi, (peak)	3.92 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5250-5350	3.03 dBi, (peak)	3.42 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5470-5725	4.18 dBi, (peak)	4.62 dBi, (peak)	2 dBi, (peak)	0.4 dBi, (peak)
				5725-5850	2.72 dBi, (peak)	3.18 dBi, (peak)	2 dBi, (peak)	0.5 dBi, (peak)
				5925-6425	2.46 dBi, (peak)	3.05 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6425-6525	2.35 dBi, (peak)	2.95 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6525-6875	4.30 dBi, (peak)	4.93 dBi, (peak)	2 dBi, (peak)	0.6 dBi, (peak)
				6875-7125	2.51 dBi, (peak)	3.16 dBi, (peak)	2 dBi, (peak)	0.7 dBi, (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- 100292 Aux Antenna	AWAN	PIFA	50 ohm Coaxial Length: 286_mm Diameter: 1.13 mm Low Loss Connector: IPEX 20565-001R-13	2400-2483.5	2.40 dBi, (peak)	3.19 dBi, (peak)	2 dBi, (peak)	0.8 dBi, (peak)
				5150-5250	2.93 dBi, (peak)	4.11 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5250-5350	1.43 dBi, (peak)	2.63 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5470-5725	1.85 dBi, (peak)	3.07 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5725-5850	1.60 dBi, (peak)	2.84 dBi, (peak)	2 dBi, (peak)	1.2 dBi, (peak)
				5925-6425	2.89 dBi, (peak)	4.47 dBi, (peak)	2 dBi, (peak)	1.6 dBi, (peak)
				6425-6525	1.42 dBi, (peak)	3.06 dBi, (peak)	2 dBi, (peak)	1.6 dBi, (peak)
				6525-6875	1.95 dBi, (peak)	3.63 dBi, (peak)	2 dBi, (peak)	1.7 dBi, (peak)
				6875-7125	1.25 dBi, (peak)	2.99 dBi, (peak)	2 dBi, (peak)	1.7 dBi, (peak)

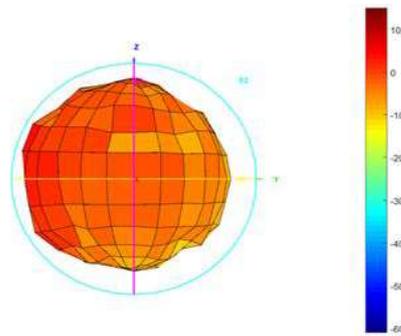
• 3D Antenna Peak Gain required being test in system basis

Section 3. Radiation characteristics of antennae Loaded in Host Platform

Main antenna

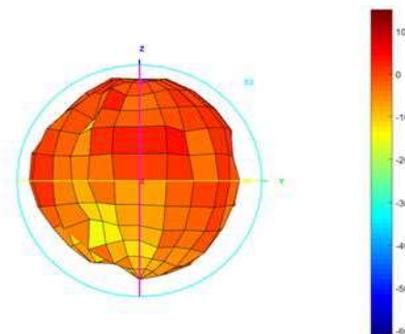
Clamshell mode

Max Antenna 3D Radiation Pattern 2400-2483.5MHz



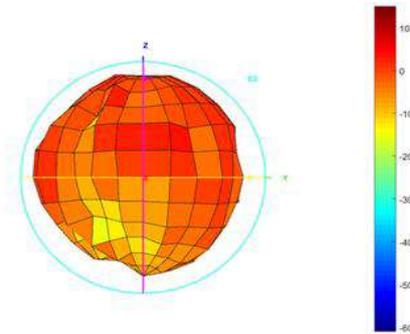
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.99

Max Antenna 3D Radiation Pattern 5150-5250 MHz



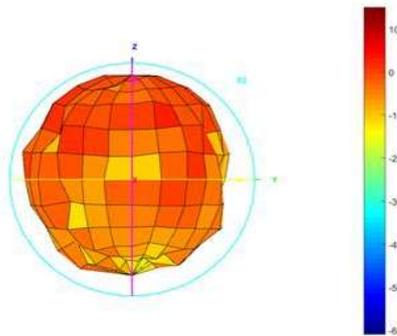
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.62

Max Antenna 3D Radiation Pattern 5250-5350 MHz



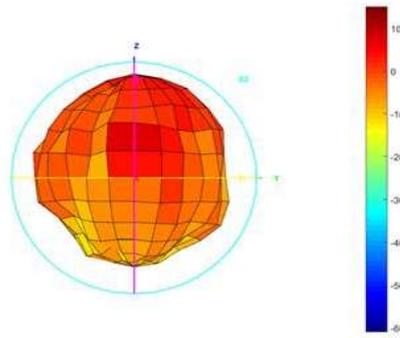
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.62

Max Antenna 3D Radiation Pattern 5470-5725 MHz



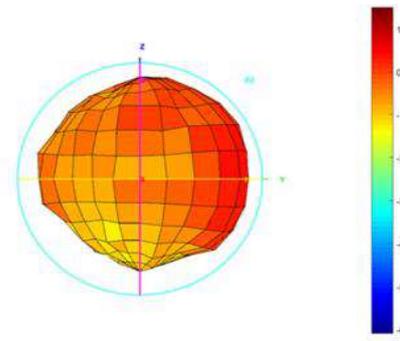
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	0.26

Max Antenna 3D Radiation Pattern 5725-5850 MHz



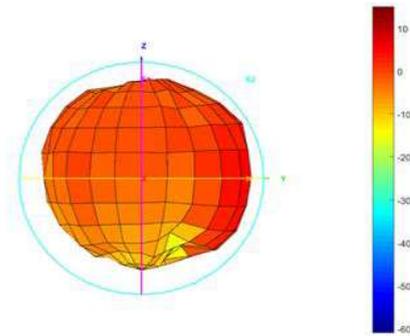
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	1.51

Max Antenna 3D Radiation Pattern 5925-6425 MHz



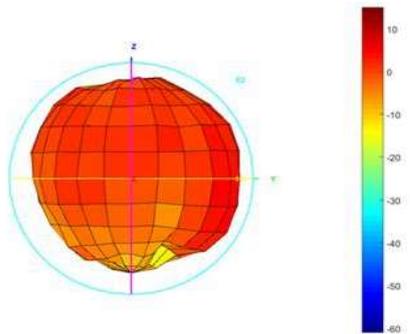
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.68

Max Antenna 3D Radiation Pattern 6425-6525 MHz



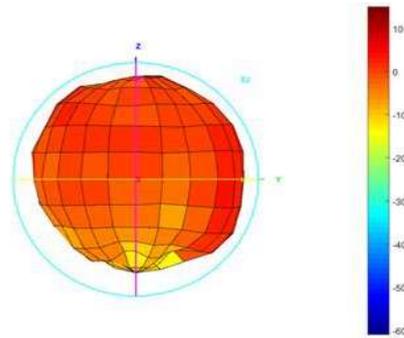
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.88

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	4.42

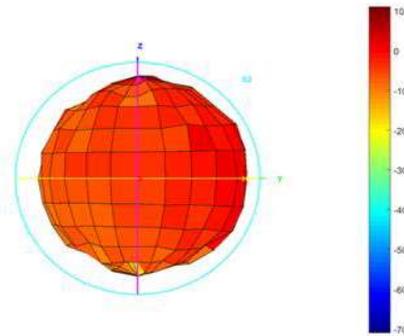
Max Antenna 3D Radiation Pattern 6875-7125 MHz



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

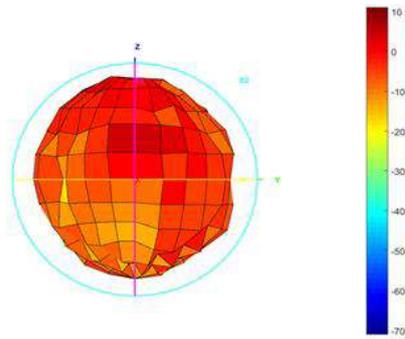
Auxiliary antenna Clamshell mode

Max Antenna 3D Radiation Pattern 2400-2483.5MHz



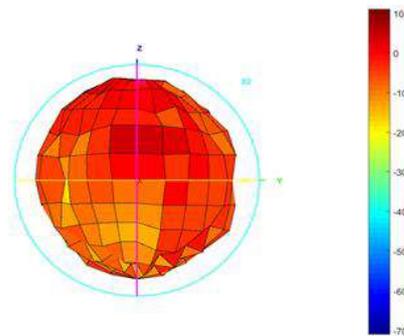
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.02

Max Antenna 3D Radiation Pattern 5150-5250 MHz



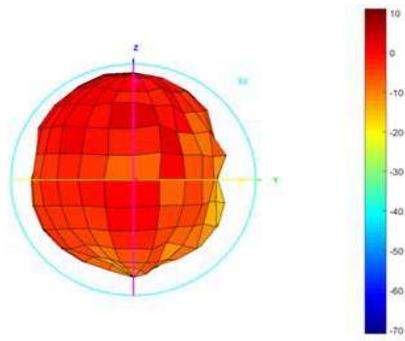
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	0.52

Max Antenna 3D Radiation Pattern 5250-5350 MHz



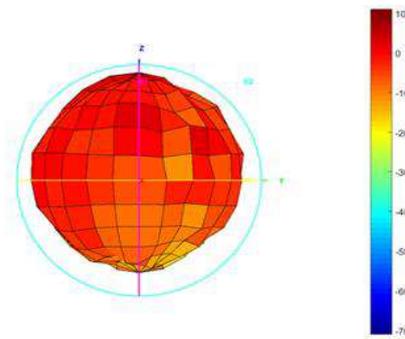
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	0.52

Max Antenna 3D Radiation Pattern 5470-5725 MHz



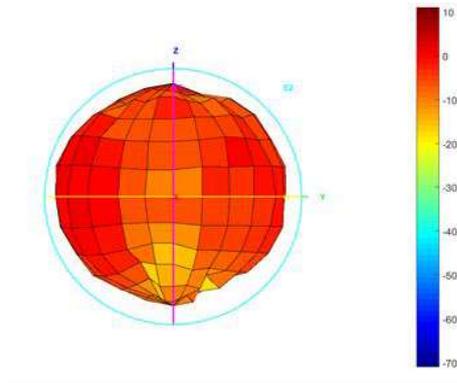
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	0.33

Max Antenna 3D Radiation Pattern 5725-5850 MHz



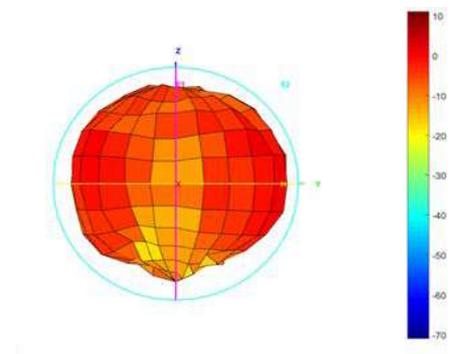
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	-0.08

Max Antenna 3D Radiation Pattern 5925-6425 MHz



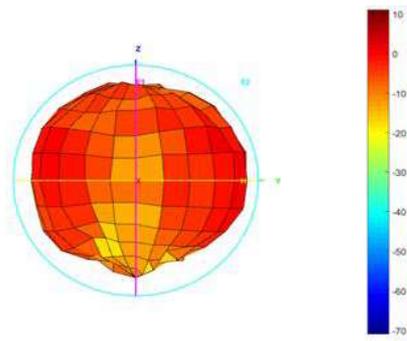
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	0.79

Max Antenna 3D Radiation Pattern 6425-6525 MHz



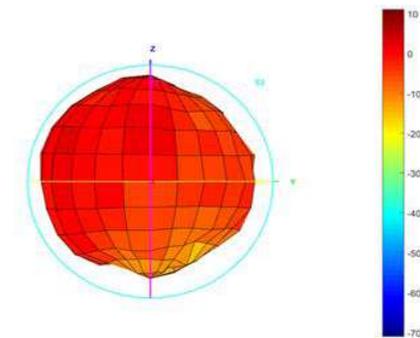
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.29

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.29

Max Antenna 3D Radiation Pattern 6875-7125 MHz

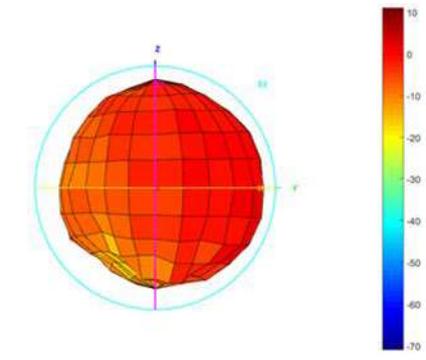


Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	0.80

Main antenna

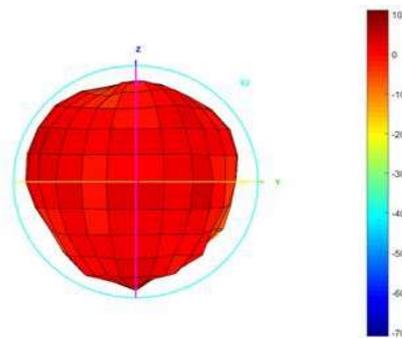
Tablet mode

Max Antenna 3D Radiation Pattern 2400-2483.5MHz



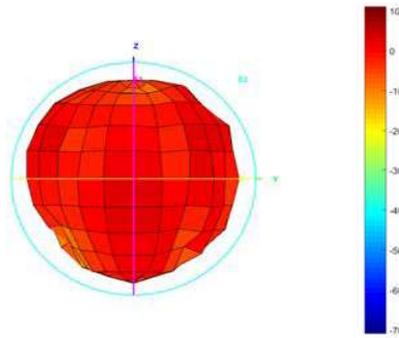
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.68

Max Antenna 3D Radiation Pattern 5150-5250 MHz



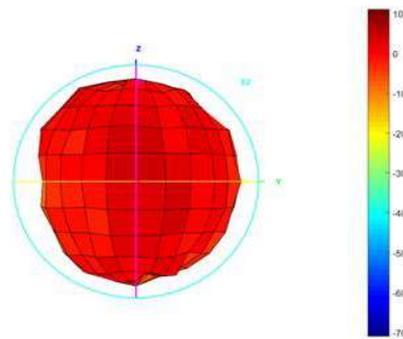
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	3.48

Max Antenna 3D Radiation Pattern 5250-5350 MHz



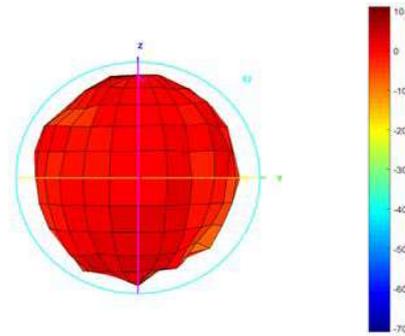
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	3.03

Max Antenna 3D Radiation Pattern 5470-5725 MHz



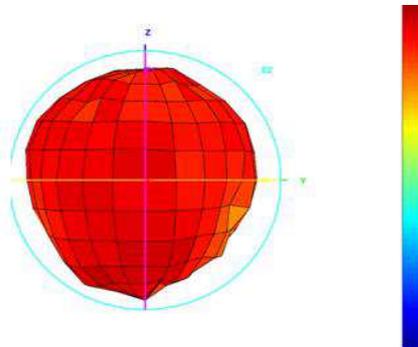
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	4.18

Max Antenna 3D Radiation Pattern 5725-5850 MHz



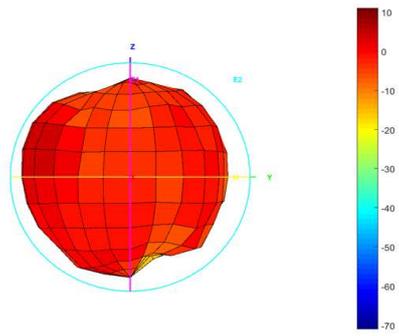
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.72

Max Antenna 3D Radiation Pattern 5925-6425 MHz



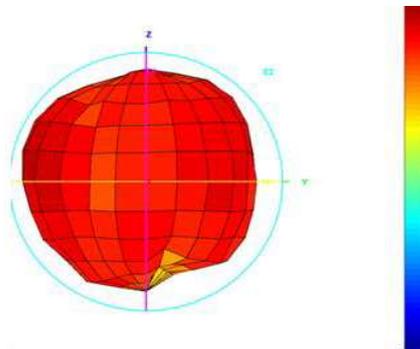
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.46

Max Antenna 3D Radiation Pattern 6425-6525 MHz



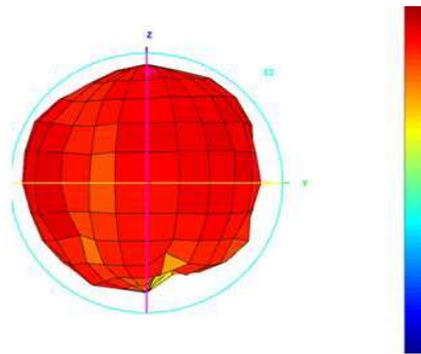
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.35

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	4.30

Max Antenna 3D Radiation Pattern 6875-7125 MHz

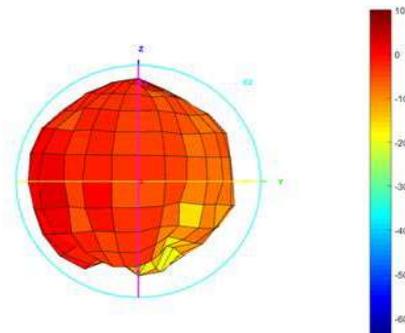


Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.51

Auxiliary antenna

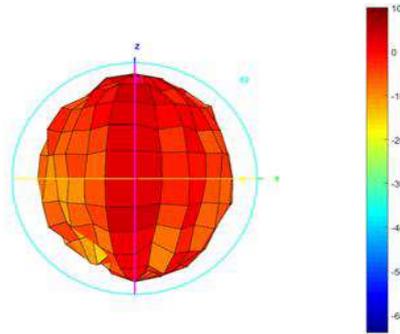
Tablet mode

Max Antenna 3D Radiation Pattern 2400-2483.5MHz



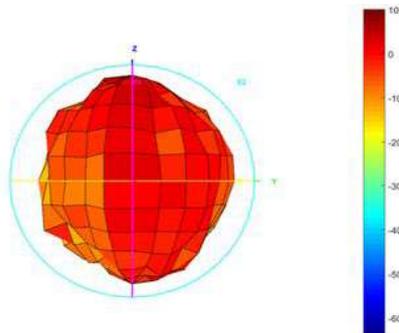
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.40

Max Antenna 3D Radiation Pattern 5150-5250 MHz



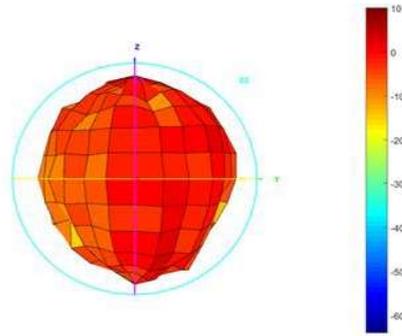
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.93

Max Antenna 3D Radiation Pattern 5250-5350 MHz



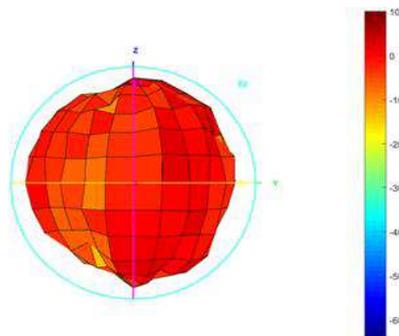
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.43

Max Antenna 3D Radiation Pattern 5470-5725 MHz



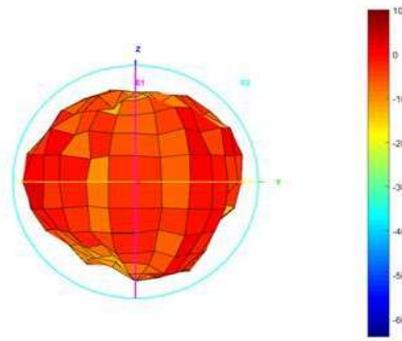
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	1.85

Max Antenna 3D Radiation Pattern 5725-5850 MHz



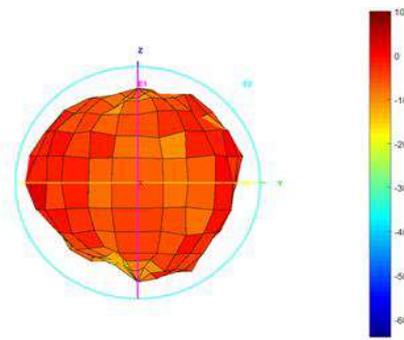
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	1.60

Max Antenna 3D Radiation Pattern 5925-6425 MHz



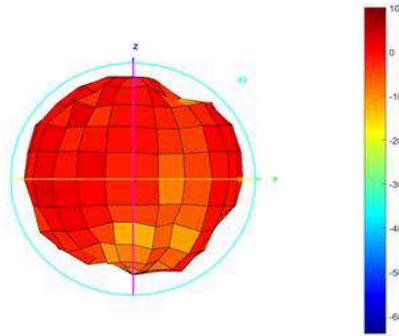
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.89

Max Antenna 3D Radiation Pattern 6425-6525 MHz



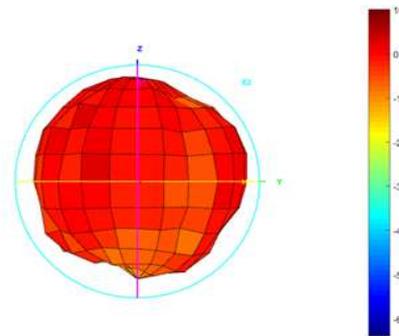
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.42

Max Antenna 3D Radiation Pattern 6525-6875 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.95

Max Antenna 3D Radiation Pattern 6875-7125 MHz



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	1.25