GeTac_UX10G3

NCC/FCC Report for LTE main & aux

Auden Techno Corp.

NO.19, LANE 772 HO-PING ROAD, PA-TE DIST, TAO-YUAN CITY, TAIWAN

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Date of Report: 2022/ 11 / 23

Department: WCB , Auden Techno Corp.

auden

LTE Main Antenna Assembly Specifications (WCDMA)

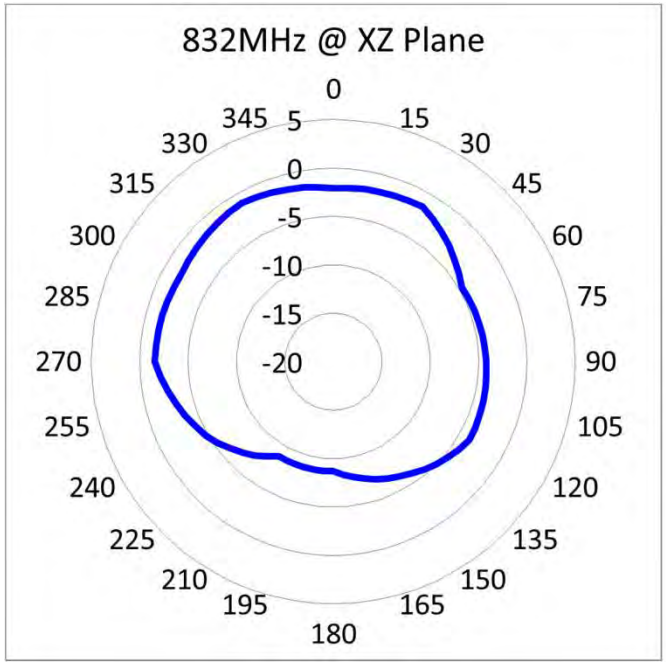
Trade name：Auden
Model name：UX10G3 WWAN MAIN ANT
Type：FPC Antenna

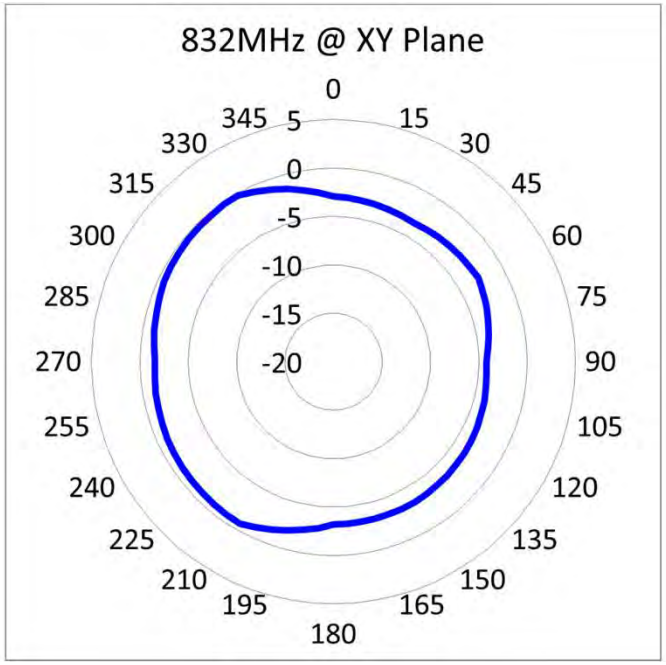
	Band	Freq. Range (MHz)	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
WCDMA	B5	832	0.34	0.54	3.0 max	0.20
	B8	897	-1.06	-0.87	3.0 max	0.19
	B4	1732	2.00	2.21	3.0 max	0.21
	B3	1747	2.22	2.44	3.0 max	0.22
	B2	1877	2.76	3.00	3.0 max	0.24
	B1	1950	1.49	1.76	3.0 max	0.27

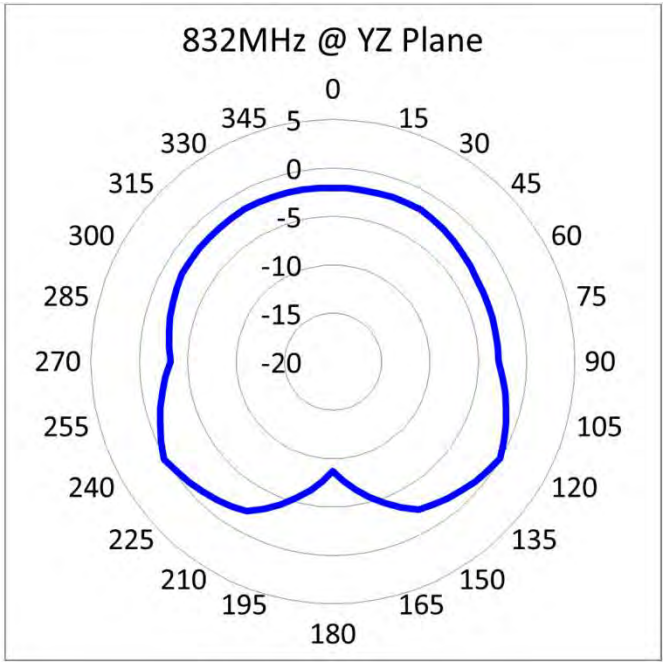
LTE Main Antenna Assembly Specifications (LTE)

	Band	Freq. Range (MHz)	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
LTE	B12	707	0.43	0.59	3.0 max	0.16
	B28	725	0.01	0.18	3.0 max	0.17
	B13	750	0.51	0.69	3.0 max	0.18
	B14	762	0.73	0.90	3.0 max	0.17
	B26	831	0.37	0.57	3.0 max	0.20
	B5	835	0.08	0.27	3.0 max	0.19
	B20	846	-0.15	0.05	3.0 max	0.20
	B8	897	-1.06	-0.87	3.0 max	0.19
	B4	1730	2.00	2.21	3.0 max	0.21
	B66	1745	2.16	2.38	3.0 max	0.22
	B3	1750	2.25	2.46	3.0 max	0.22
	B2	1880	2.76	3.00	3.0 max	0.24
	B1	1950	1.49	1.76	3.0 max	0.27
	B7	2535	2.73	3.01	3.0 max	0.28
	B41	2592	2.93	3.20	3.0 max	0.27
	B42	3500	2.80	3.22	3.0 max	0.42
	B43	3700	1.90	2.34	3.0 max	0.43

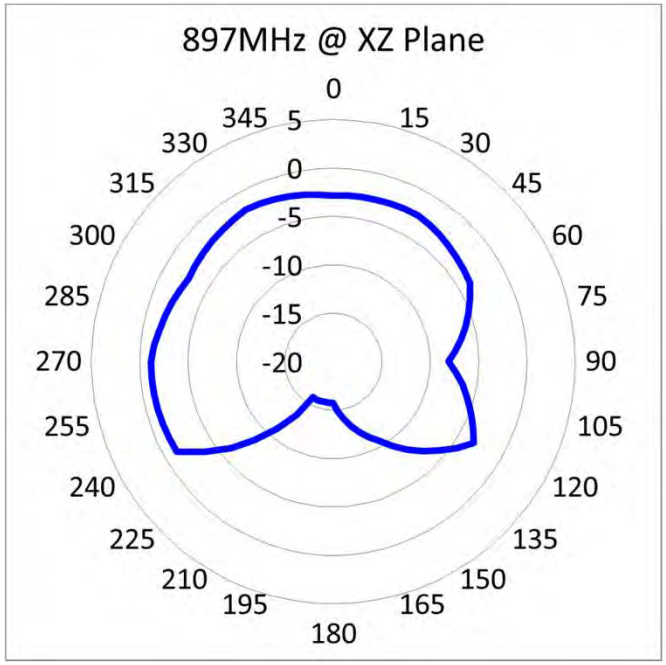
LTE Main Antenna 2D Radiation Pattern 832 MHz (WCDMA)

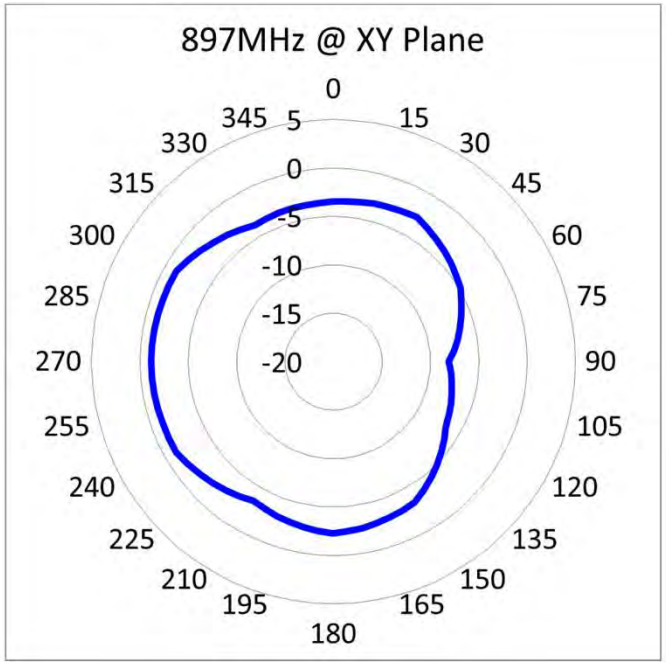


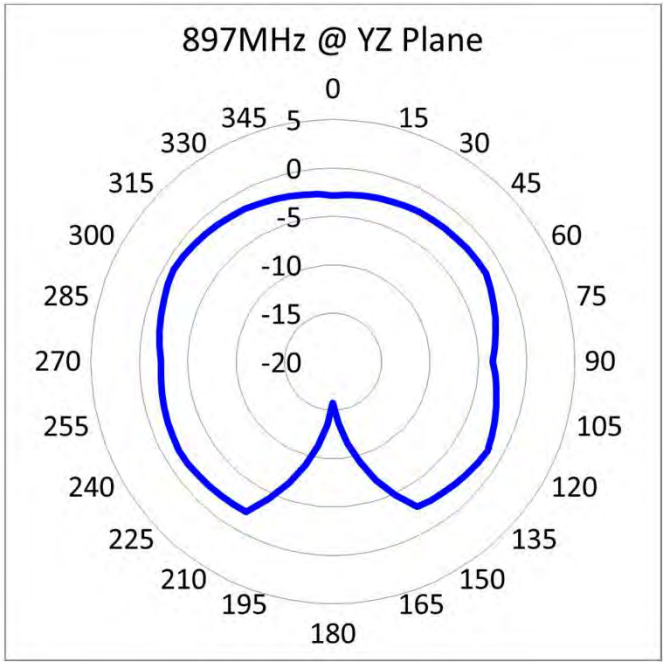




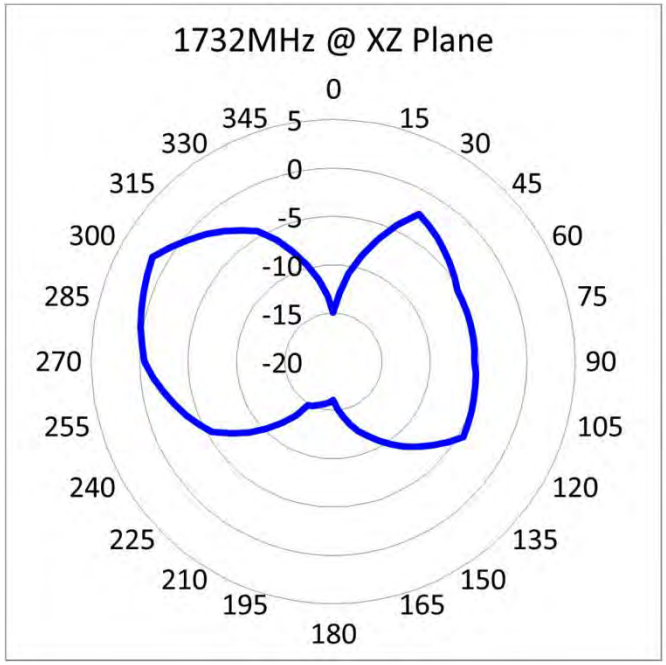
LTE Main Antenna 2D Radiation Pattern 897 MHz (WCDMA)

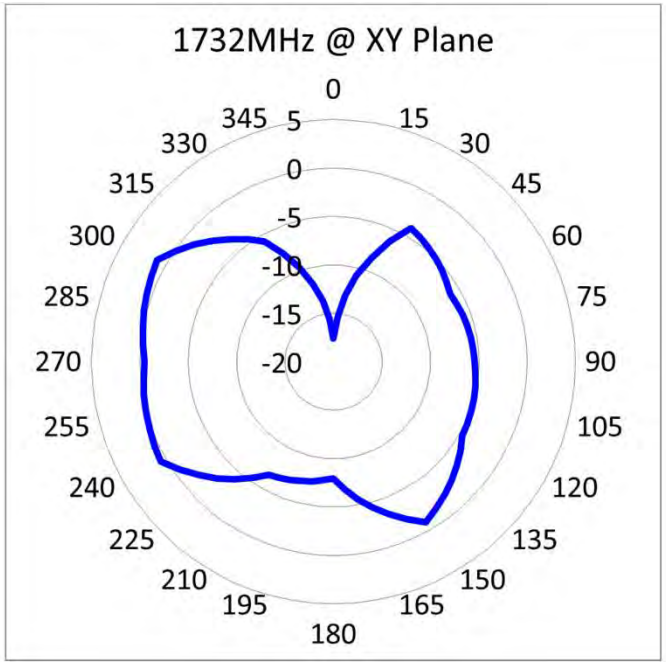


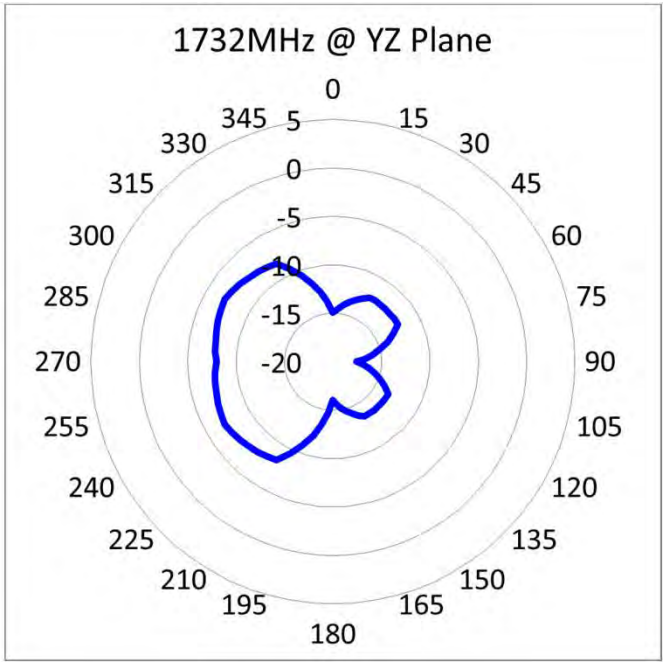




LTE Main Antenna 2D Radiation Pattern 1732 MHz (WCDMA)







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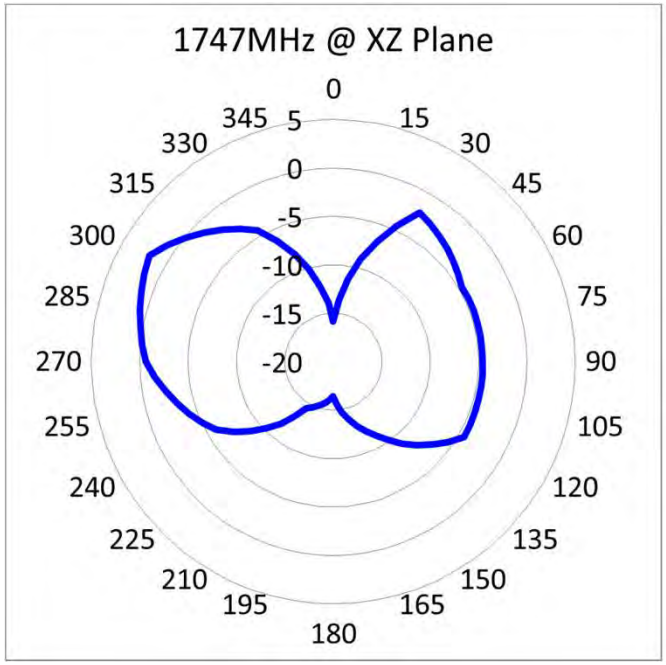
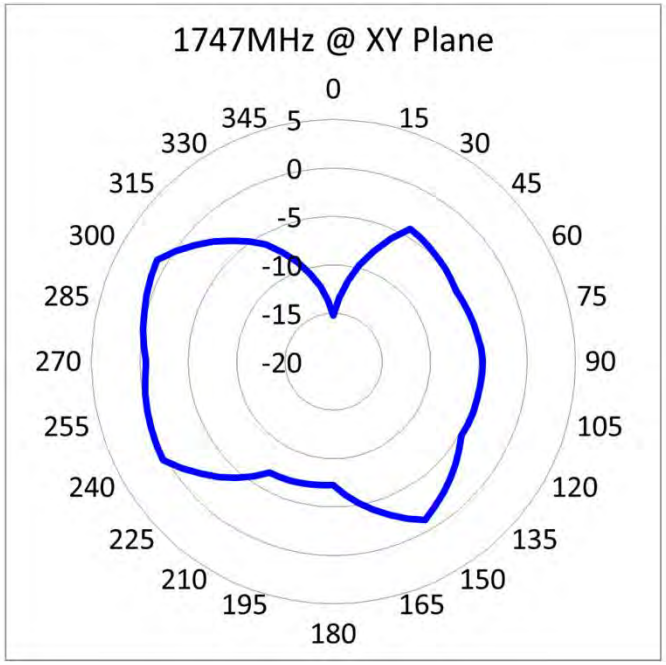
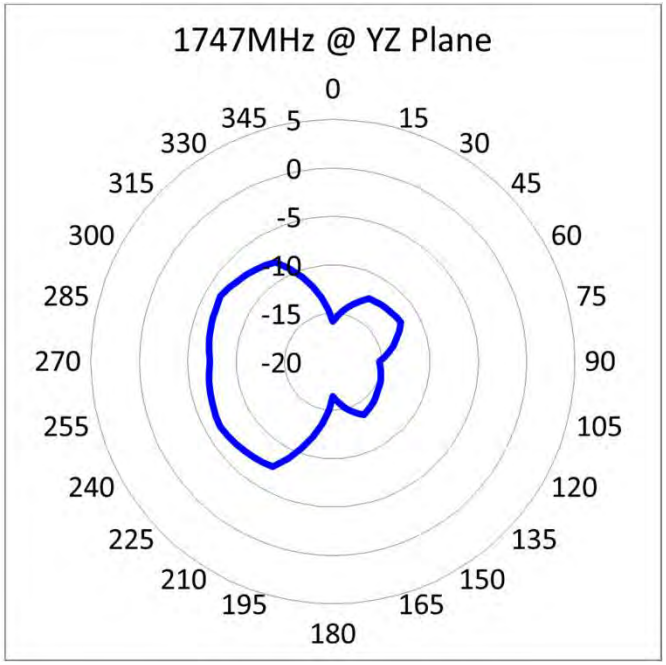
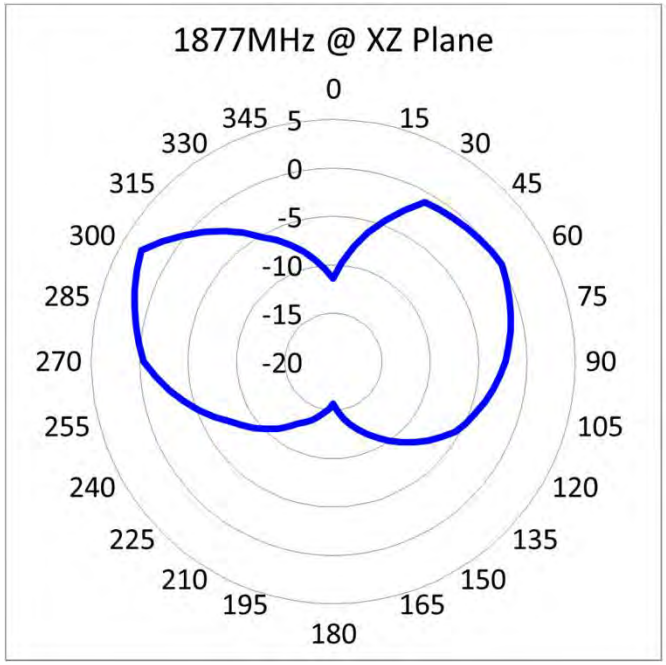
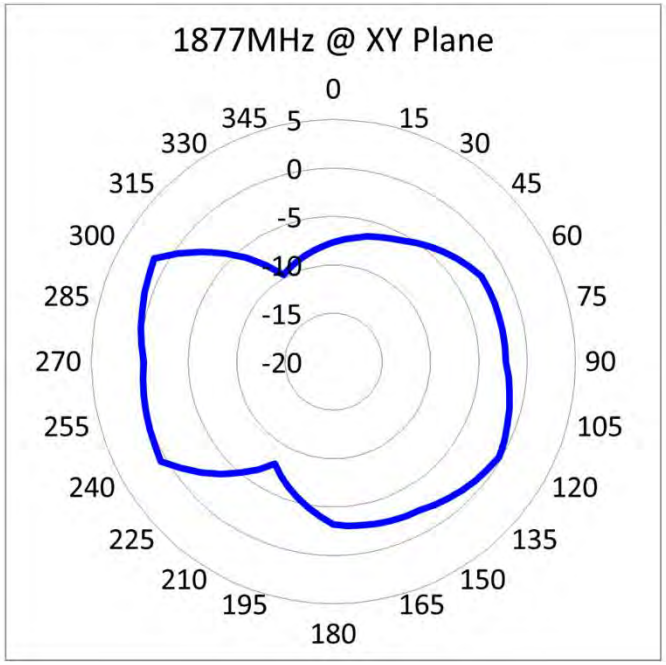


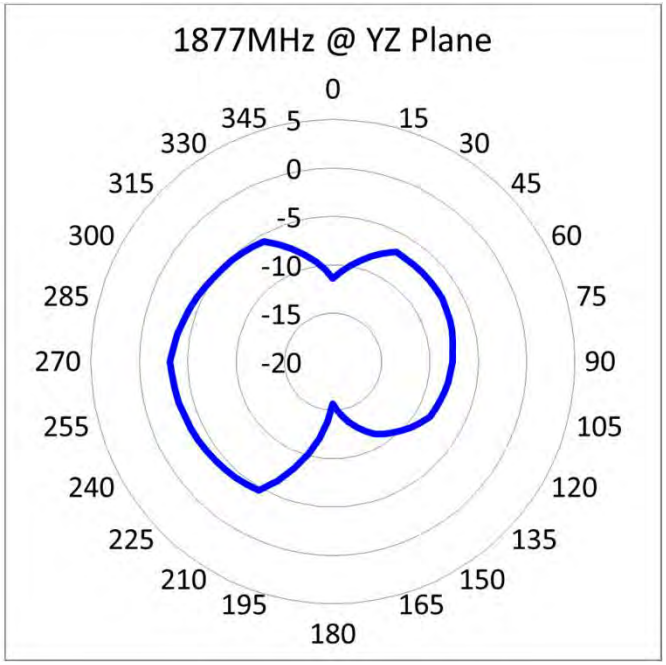




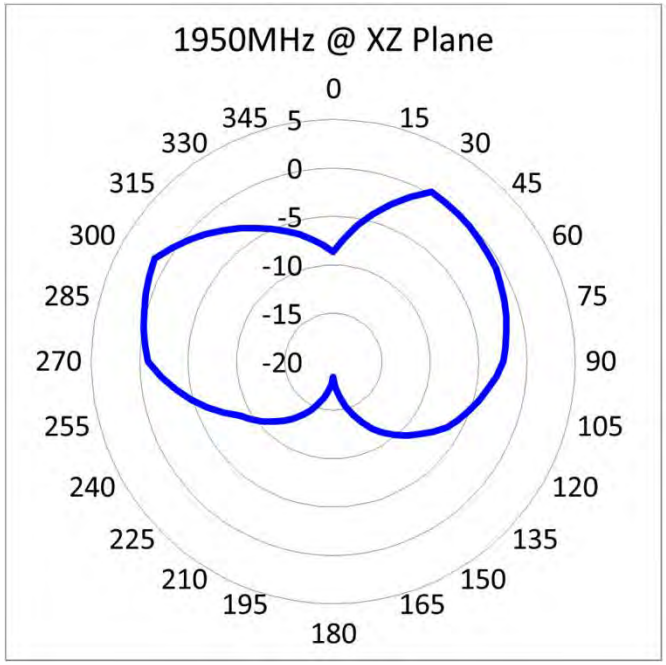
LTE Main Antenna 2D Radiation Pattern 1877 MHz (WCDMA)

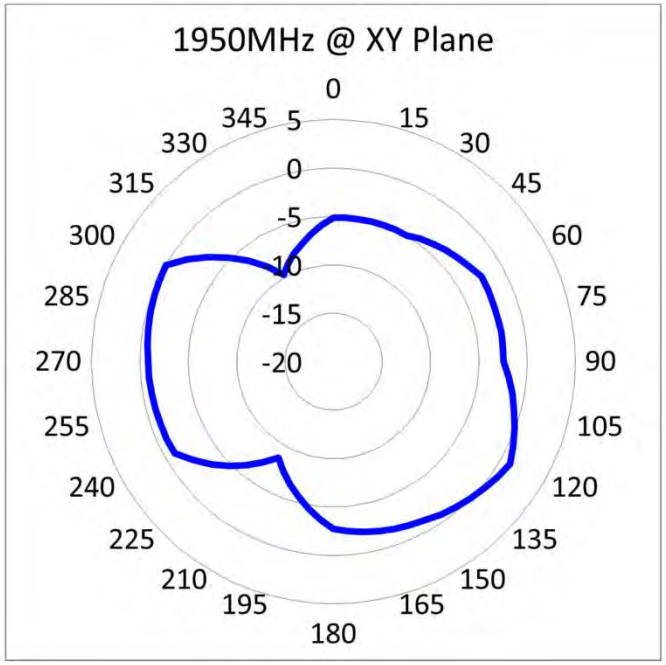


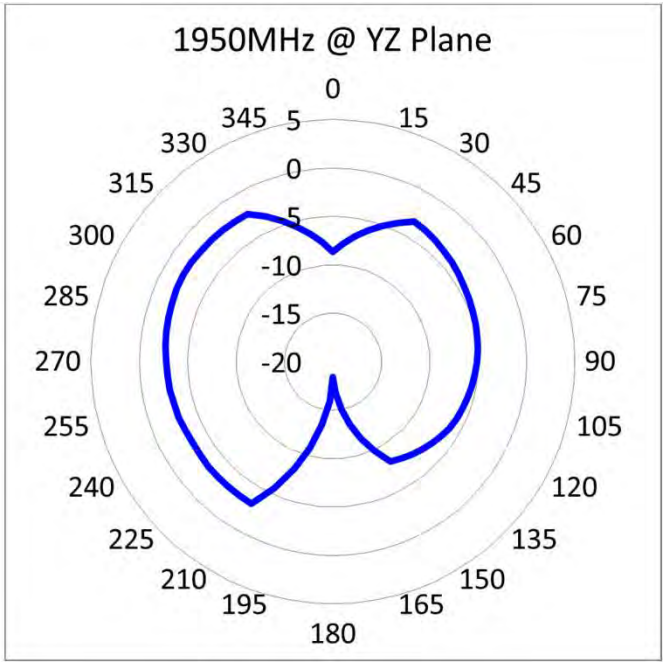




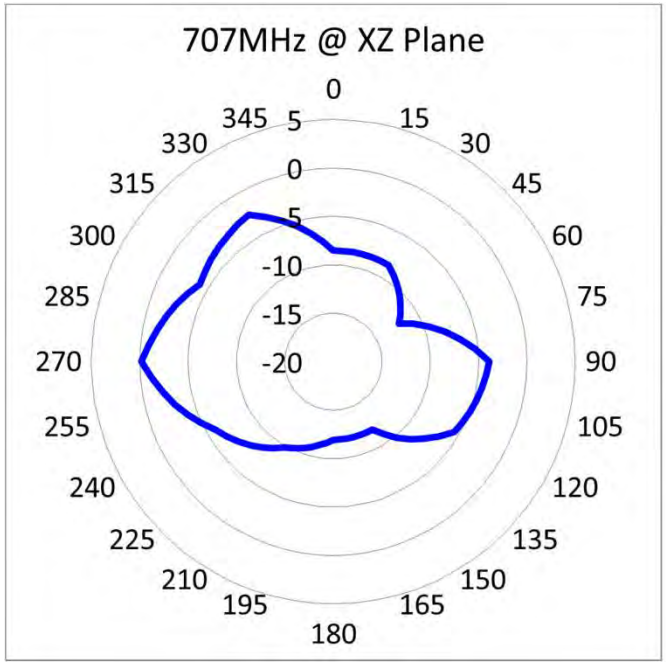
LTE Main Antenna 2D Radiation Pattern 1950 MHz (WCDMA)

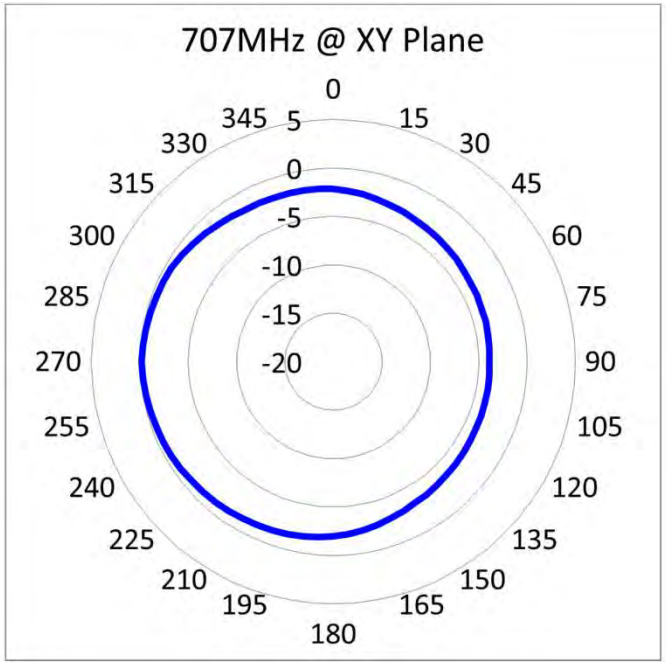


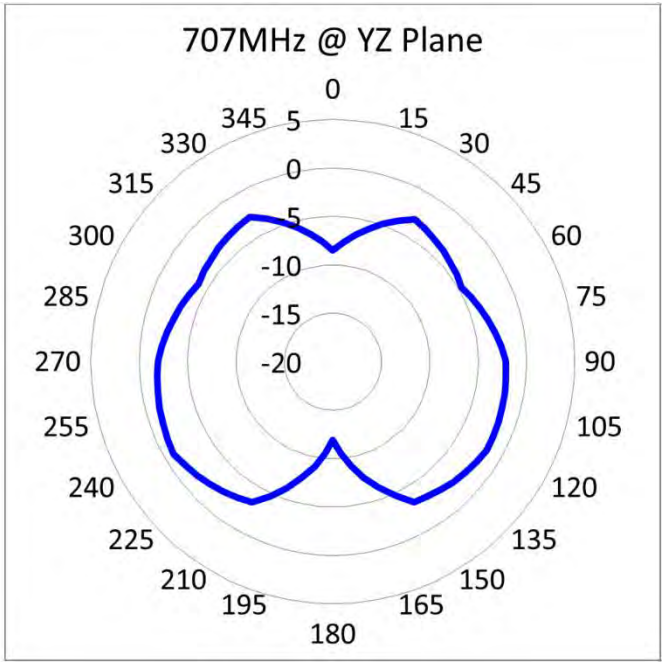




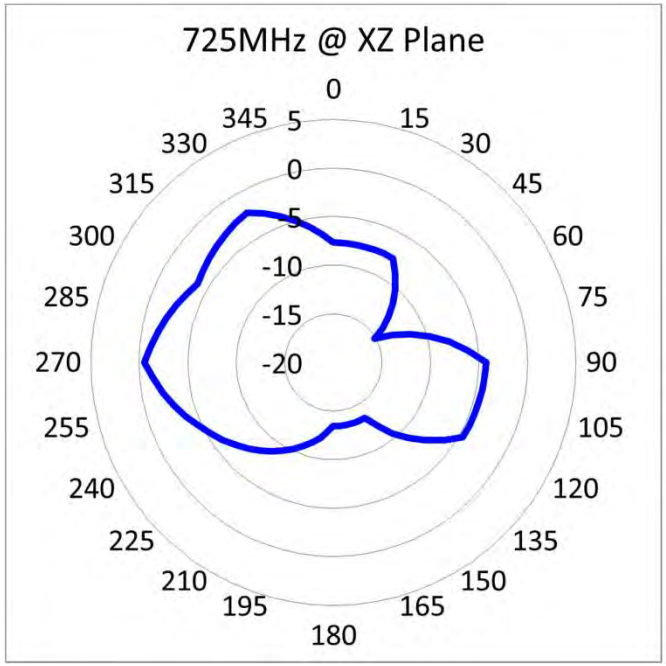
LTE Main Antenna 2D Radiation Pattern 707 MHz (LTE)

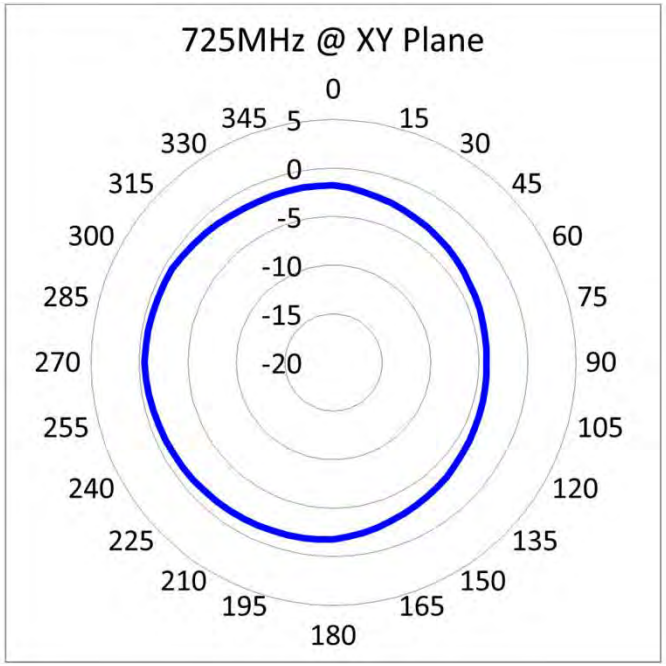


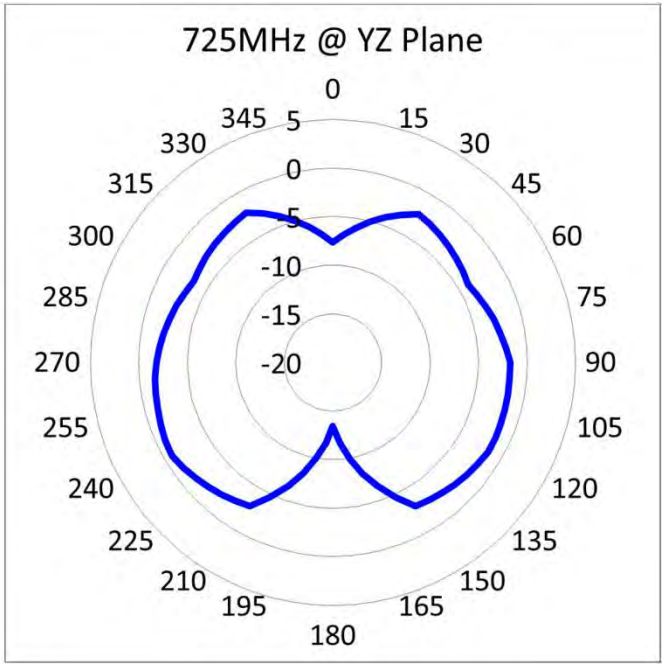




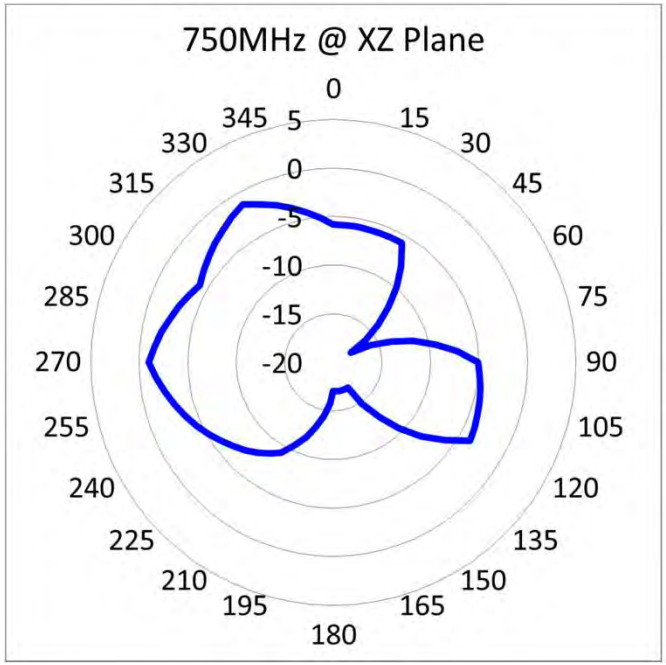
LTE Main Antenna 2D Radiation Pattern 725 MHz (LTE)

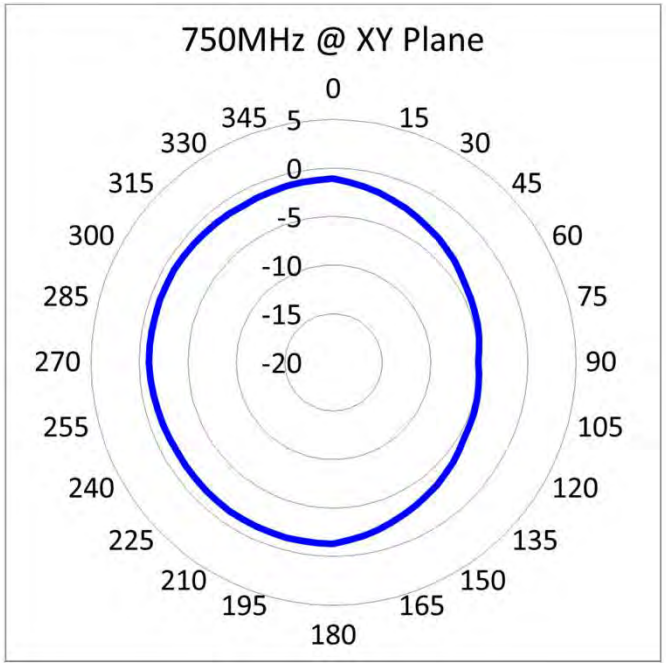


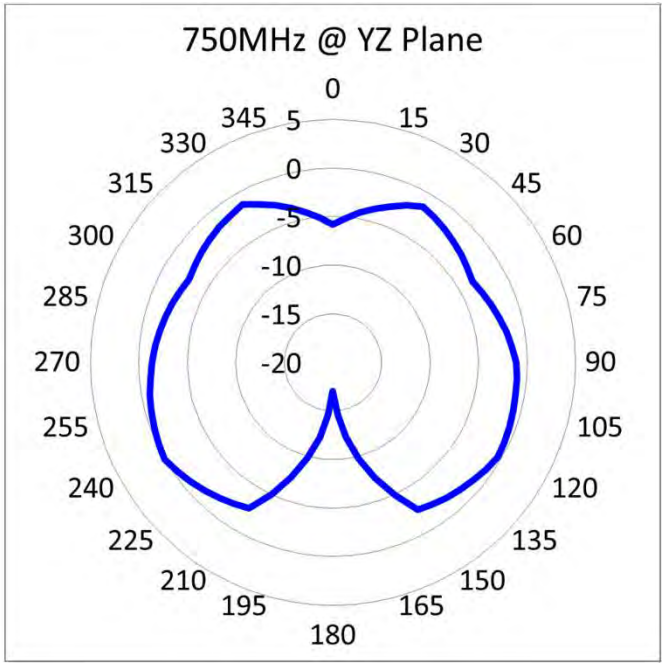




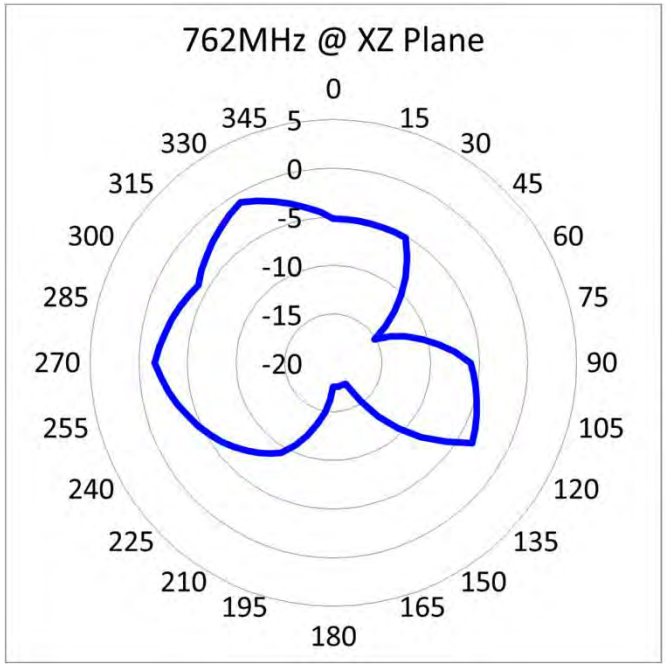
LTE Main Antenna 2D Radiation Pattern 750 MHz (LTE)

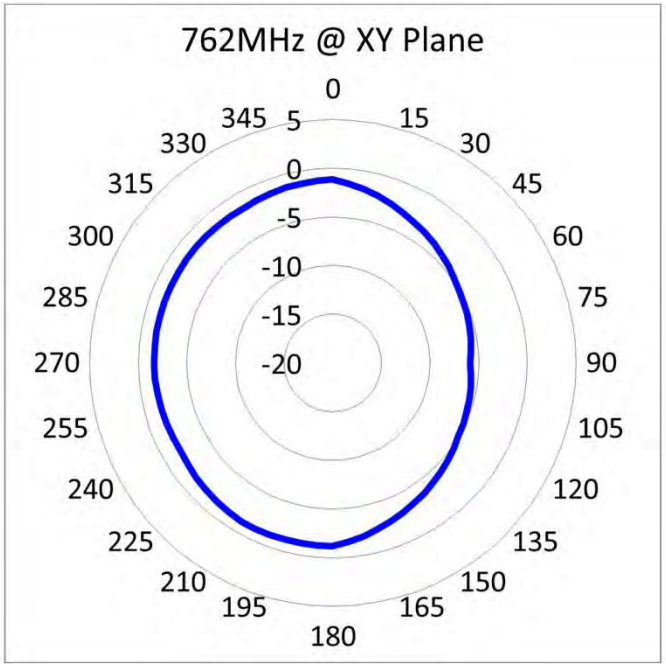


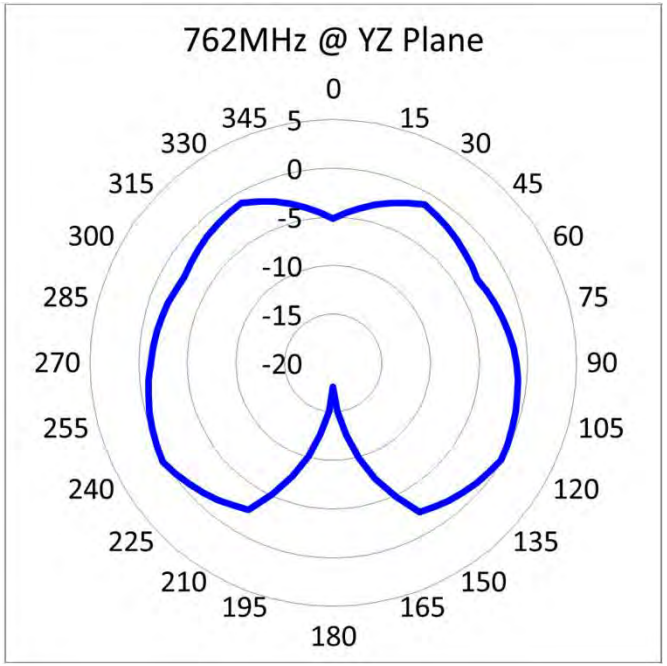




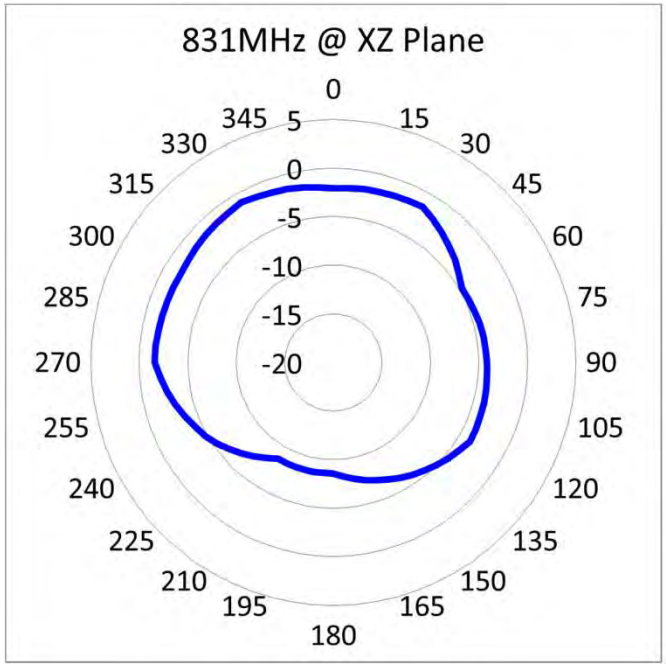
LTE Main Antenna 2D Radiation Pattern 762 MHz (LTE)

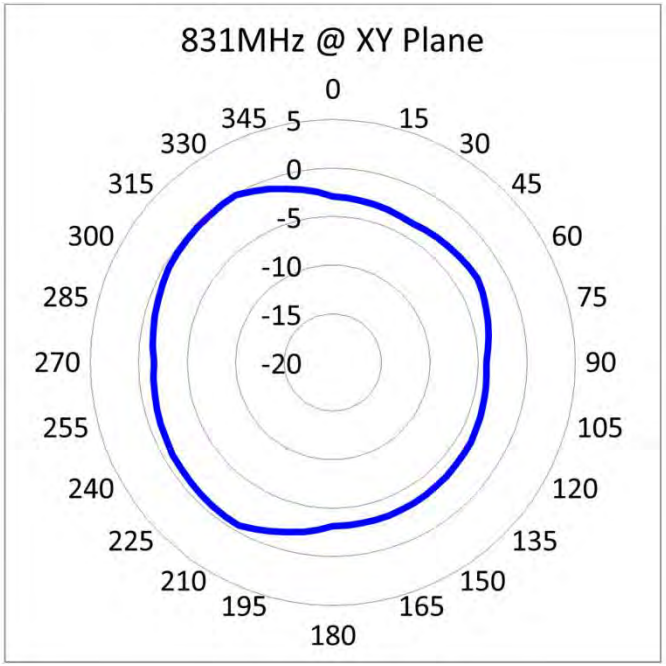


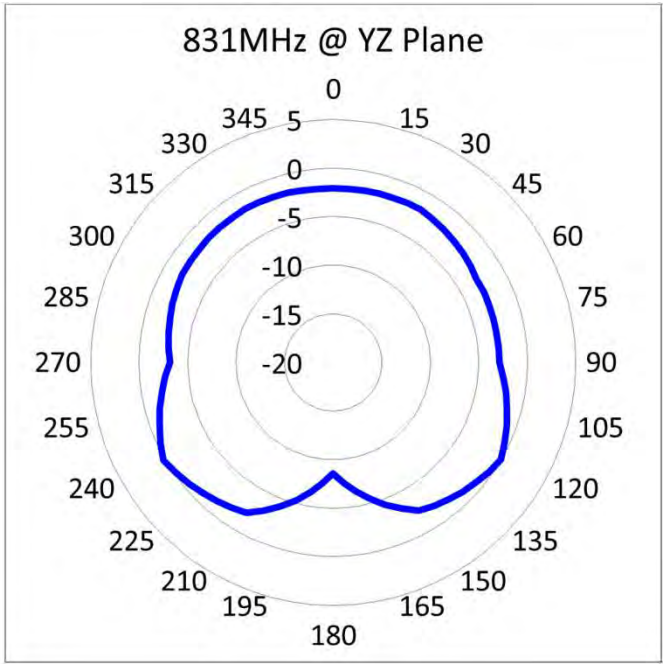




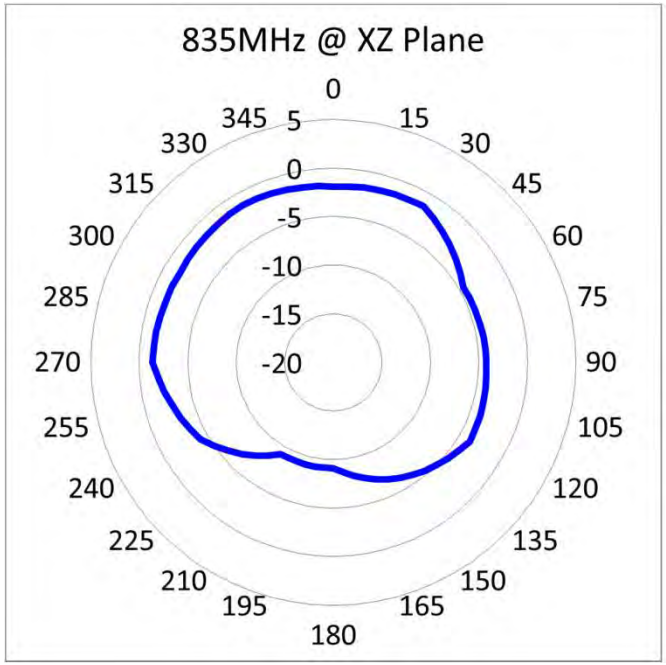
LTE Main Antenna 2D Radiation Pattern 831 MHz (LTE)

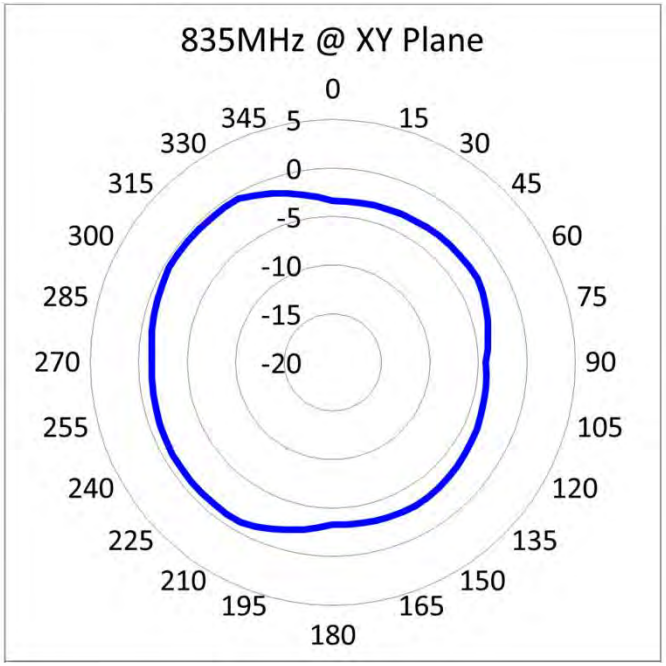


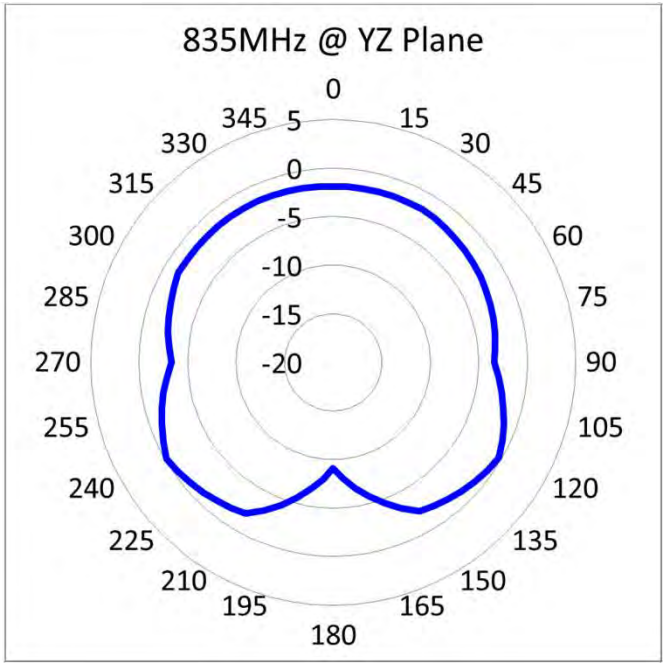




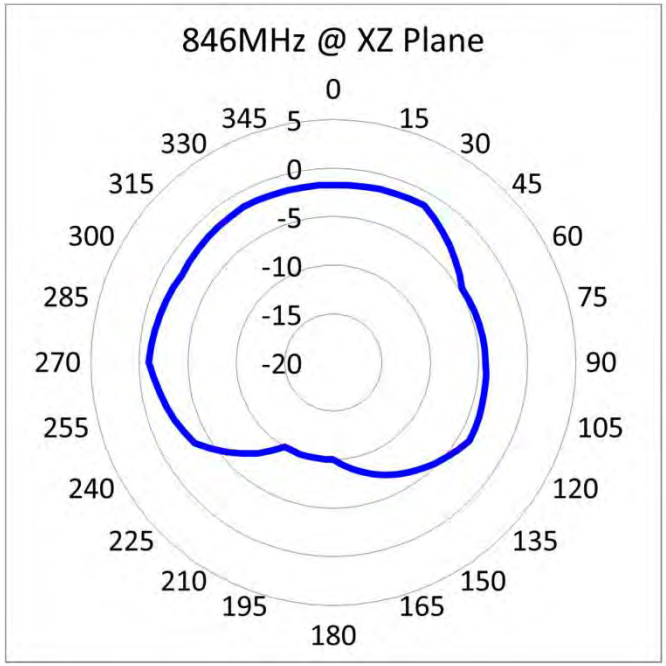
LTE Main Antenna 2D Radiation Pattern 835 MHz (LTE)

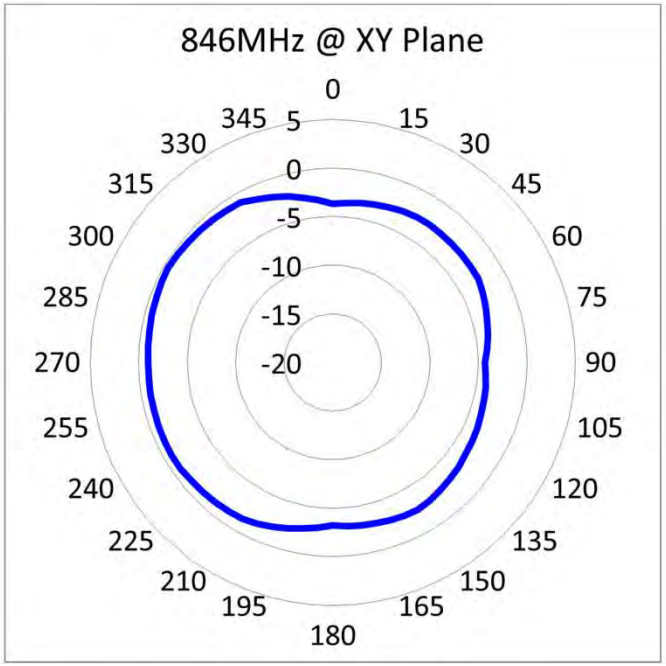


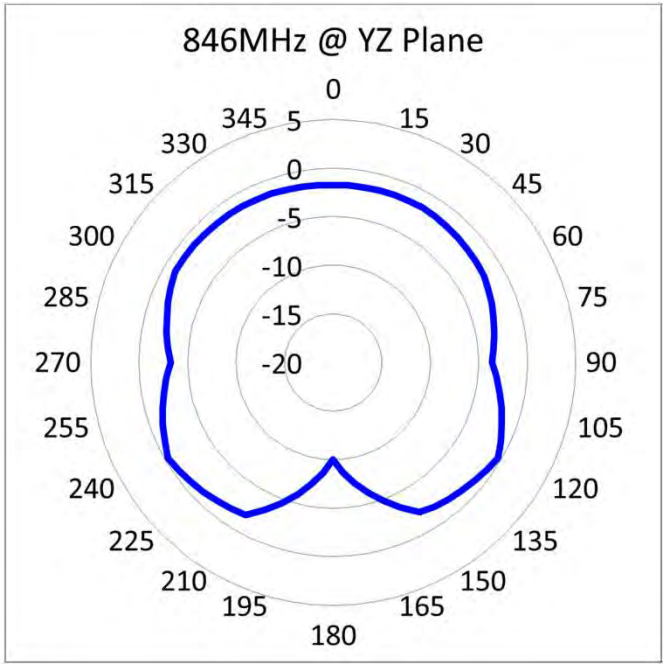




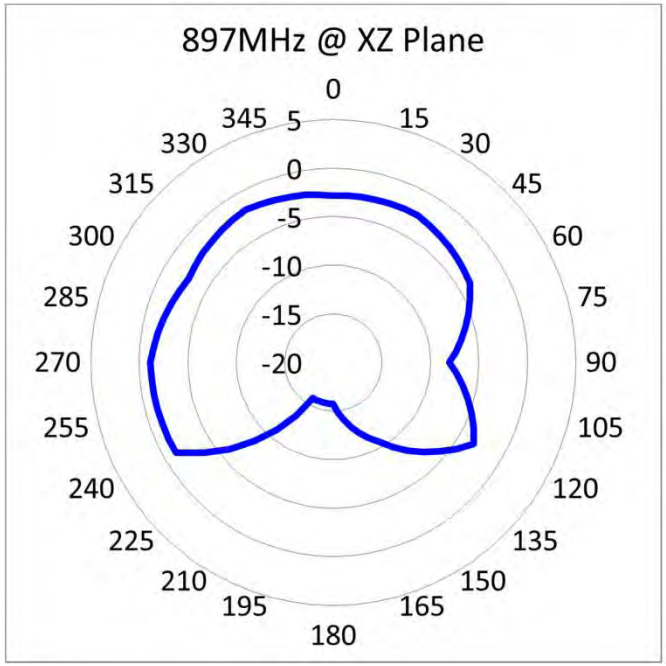
LTE Main Antenna 2D Radiation Pattern 846 MHz (LTE)

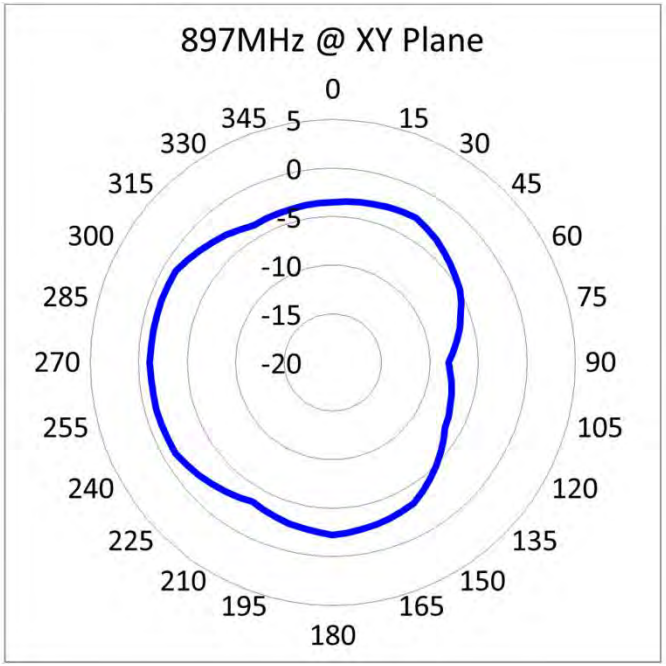


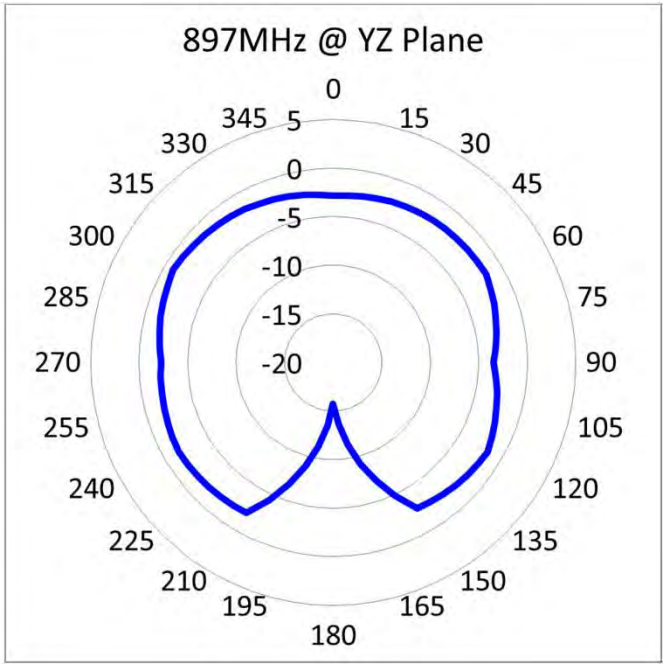




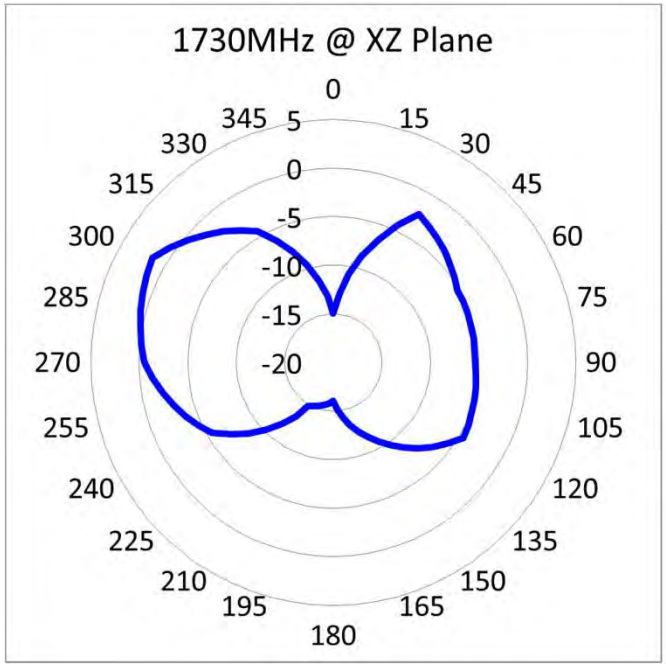
LTE Main Antenna 2D Radiation Pattern 897 MHz (LTE)

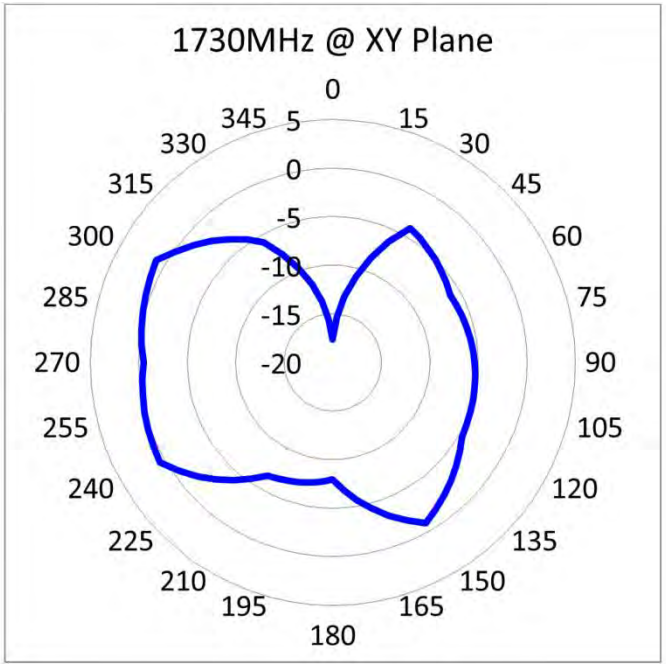


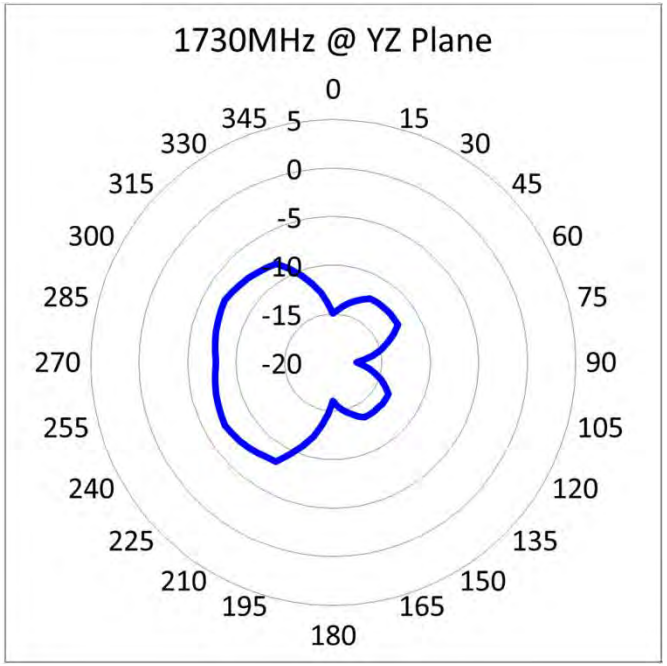




LTE Main Antenna 2D Radiation Pattern 1730 MHz (LTE)







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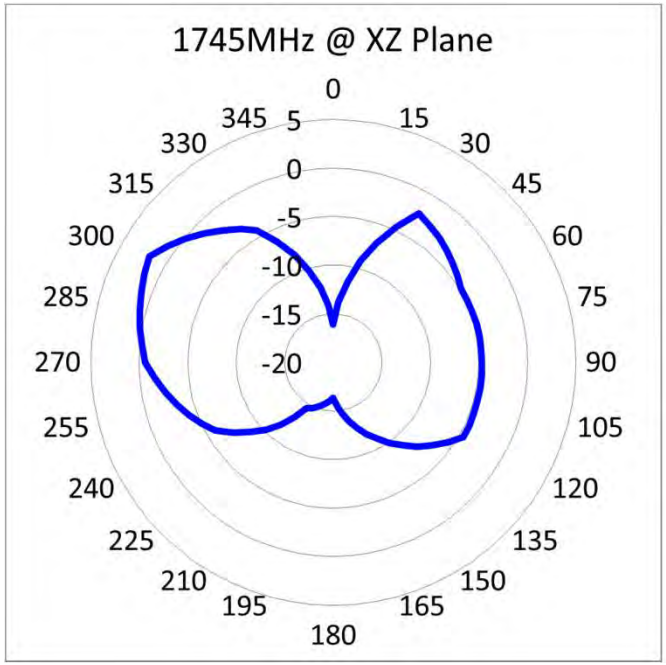
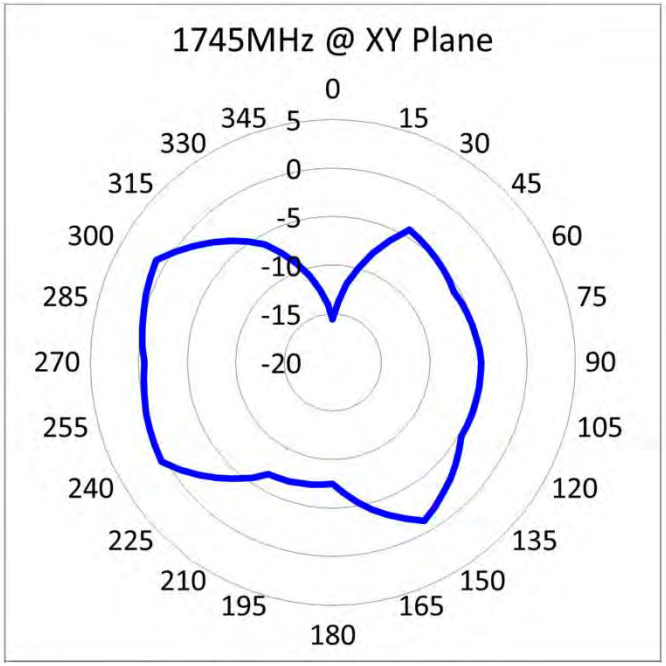
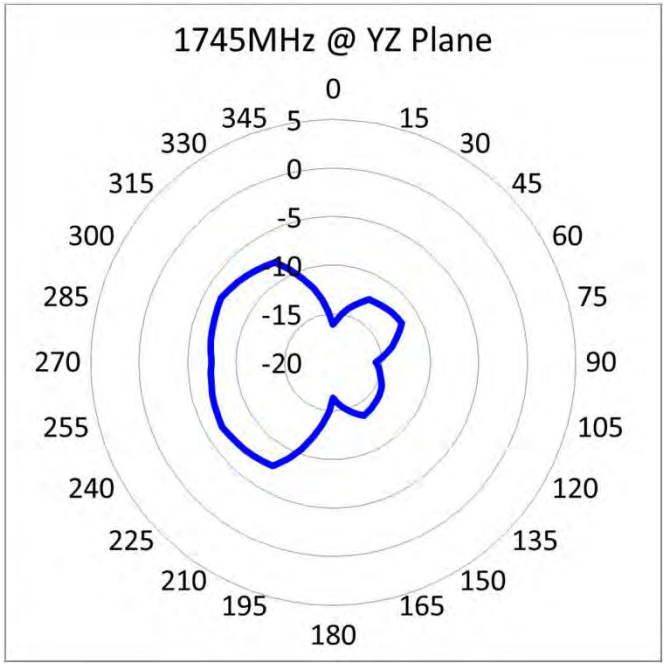
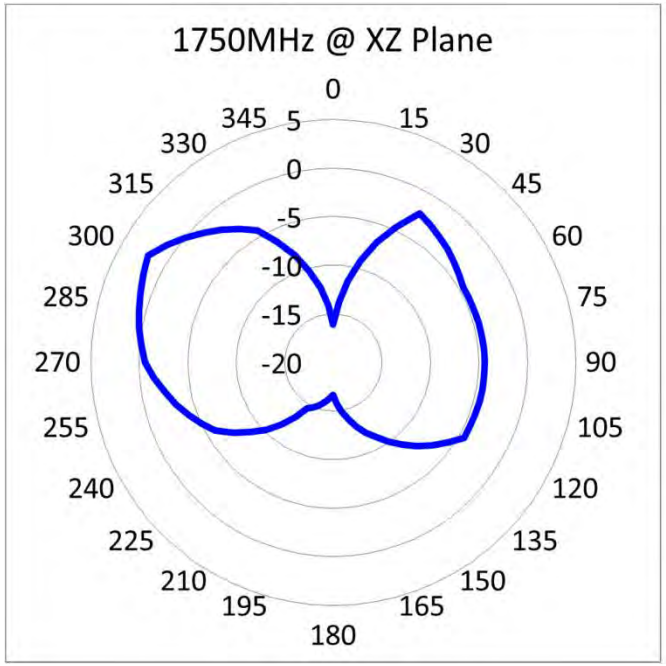
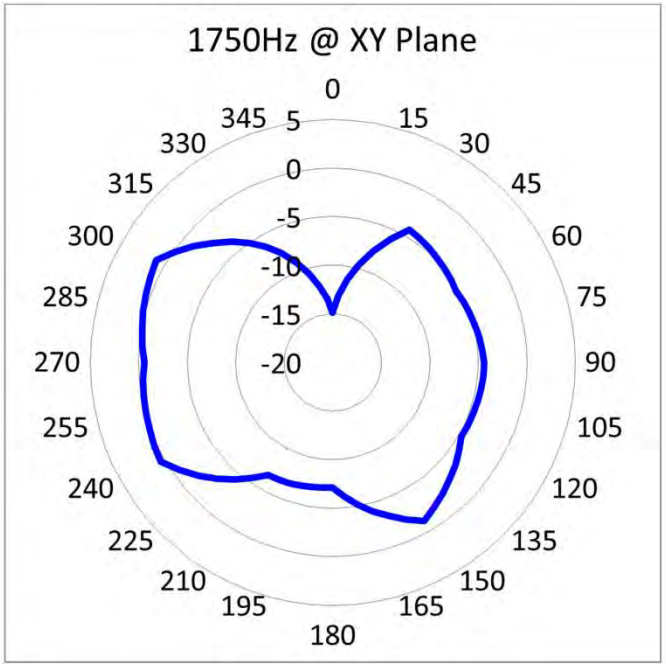


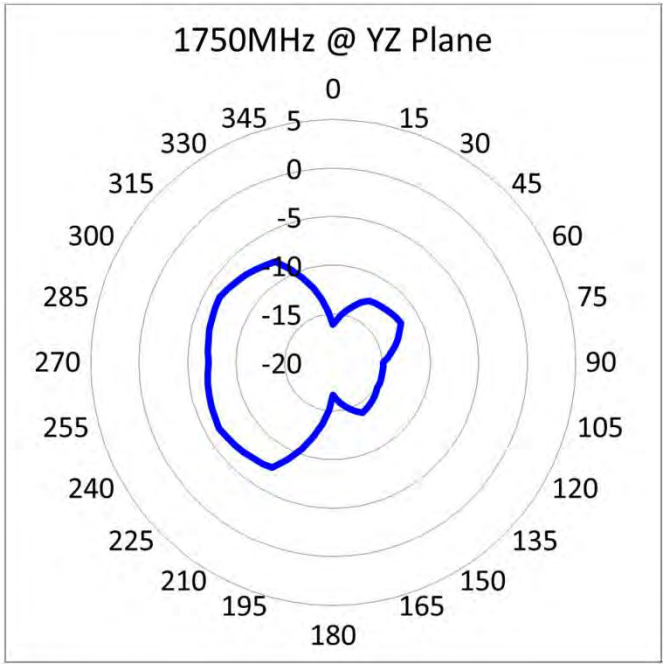




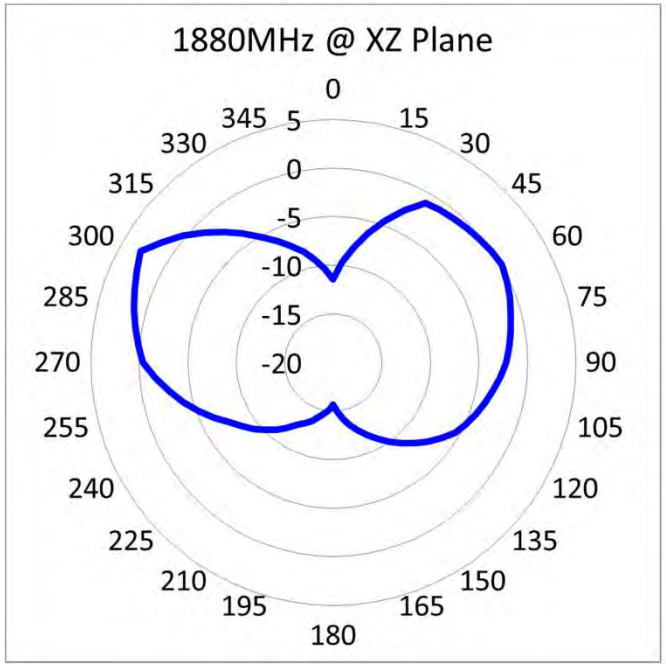
LTE Main Antenna 2D Radiation Pattern 1750 MHz (LTE)

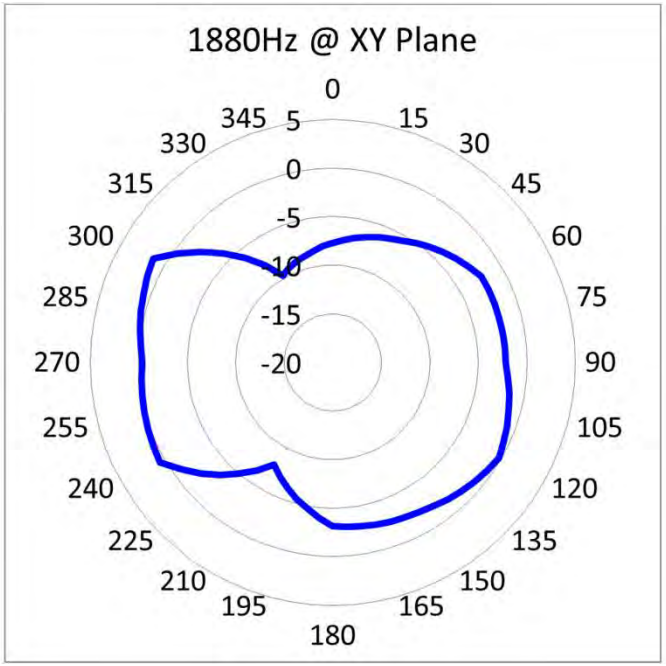


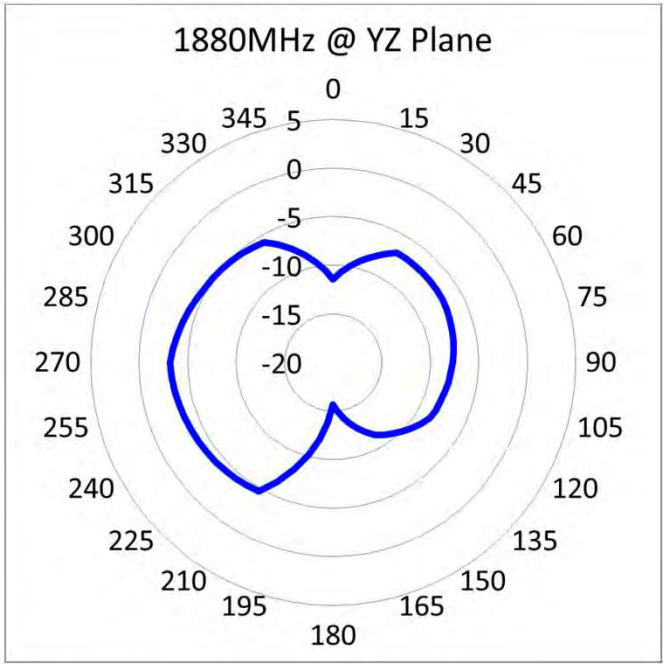




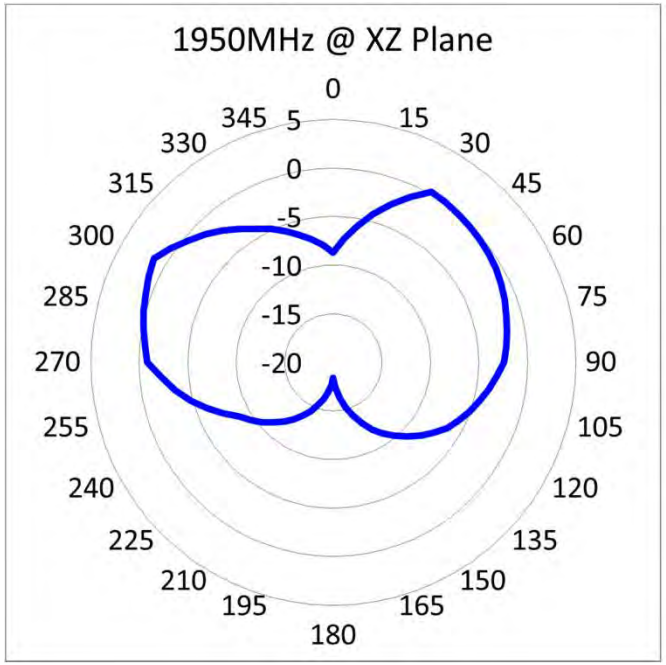
LTE Main Antenna 2D Radiation Pattern 1880 MHz (LTE)

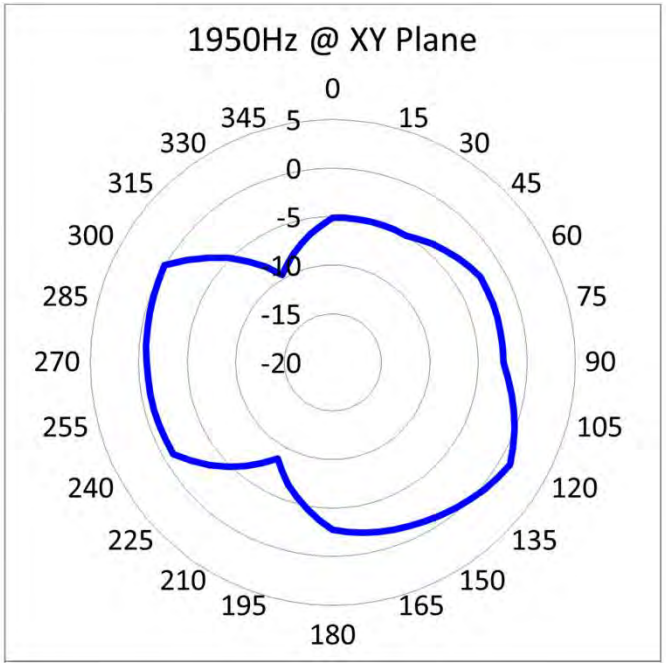


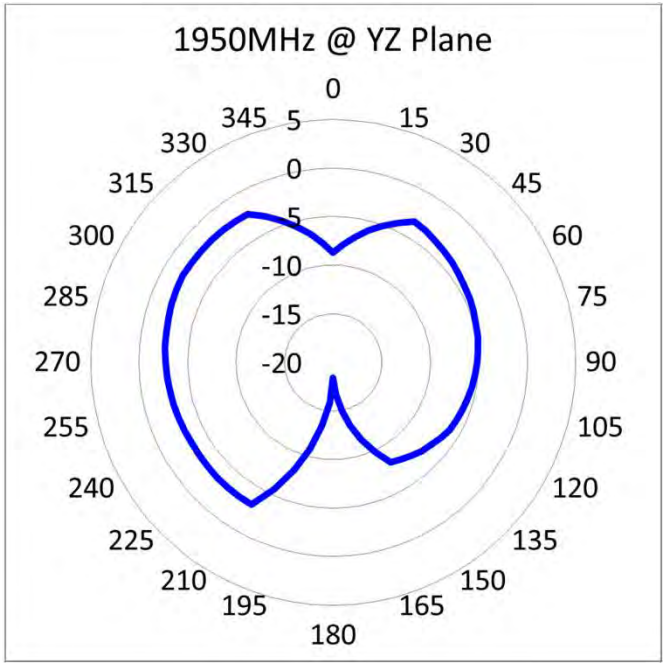




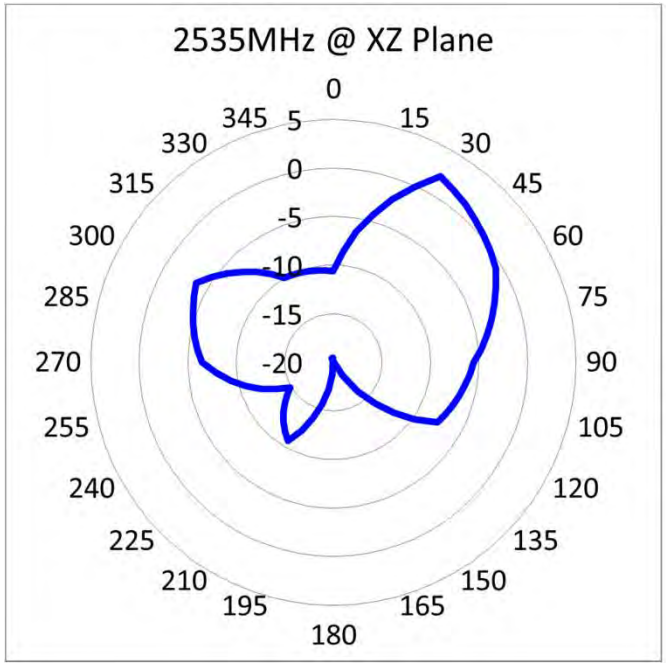
LTE Main Antenna 2D Radiation Pattern 1950 MHz (LTE)

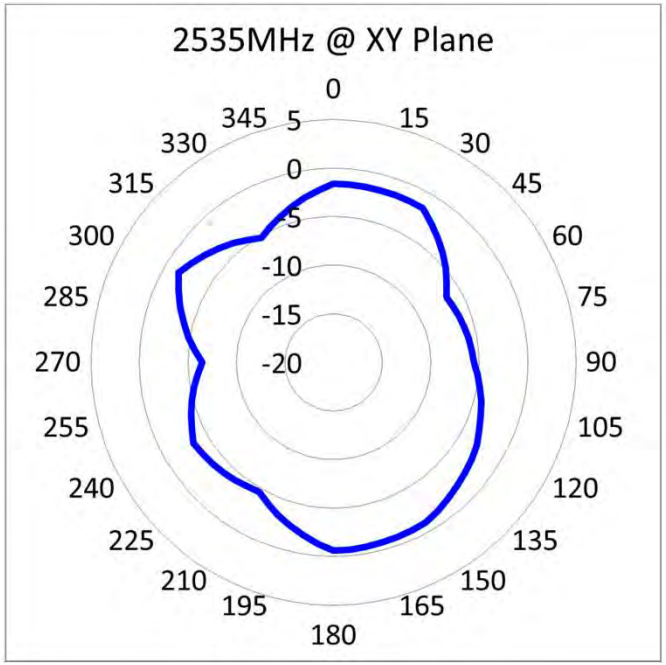


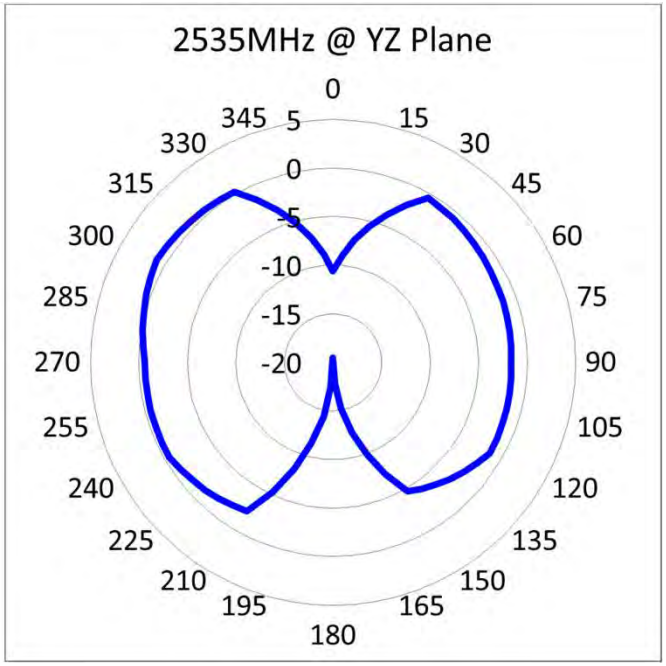




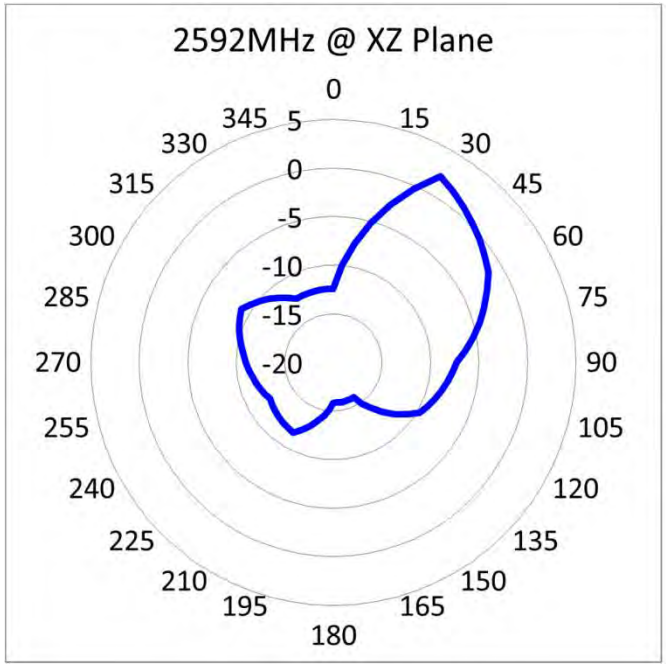
LTE Main Antenna 2D Radiation Pattern 2535 MHz (LTE)

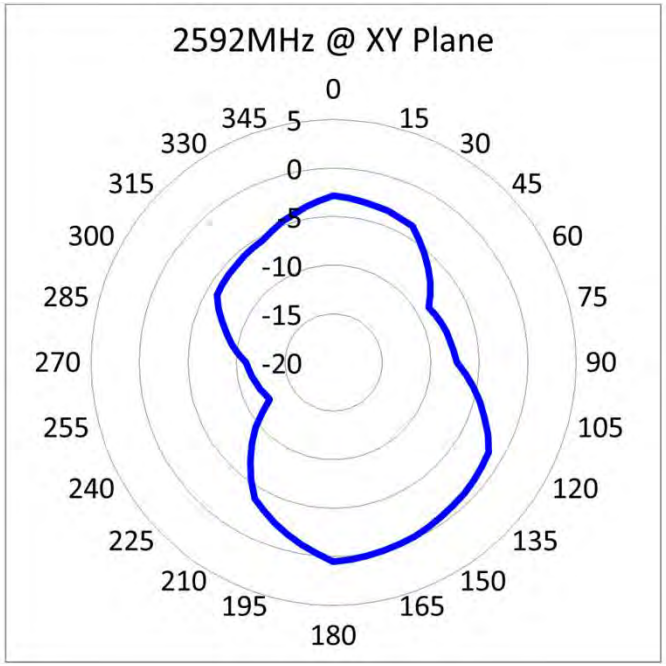


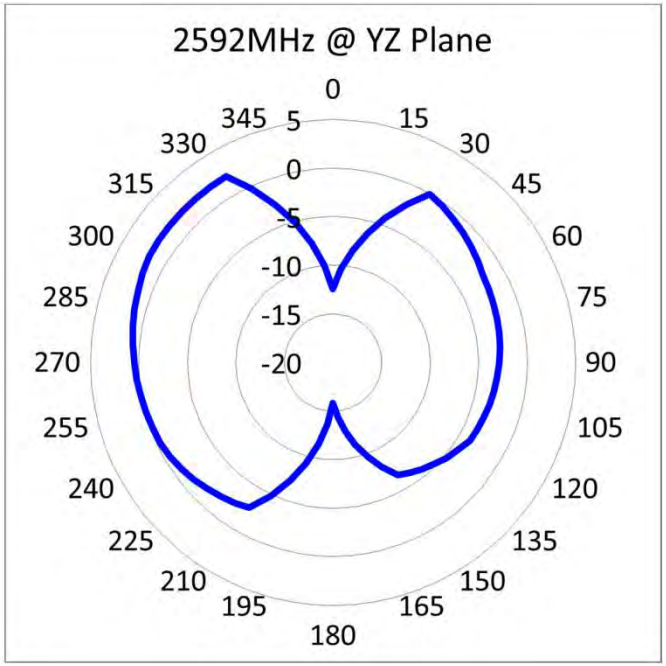




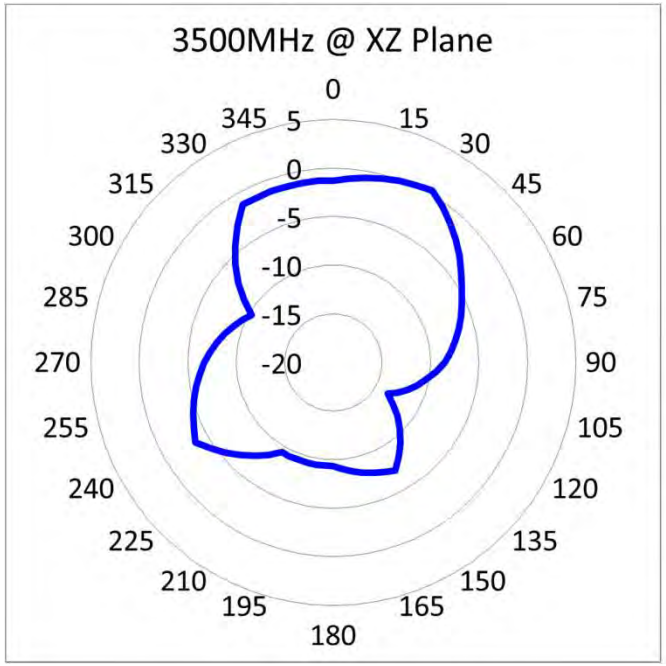
LTE Main Antenna 2D Radiation Pattern 2592 MHz (LTE)

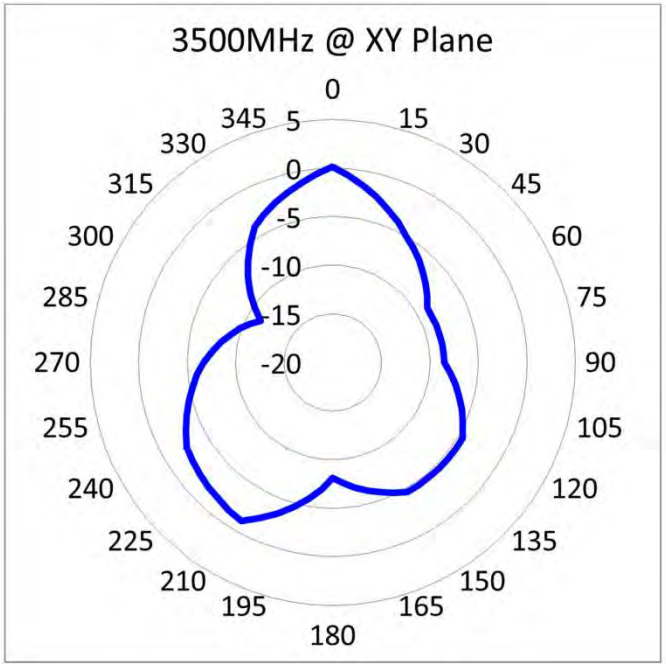


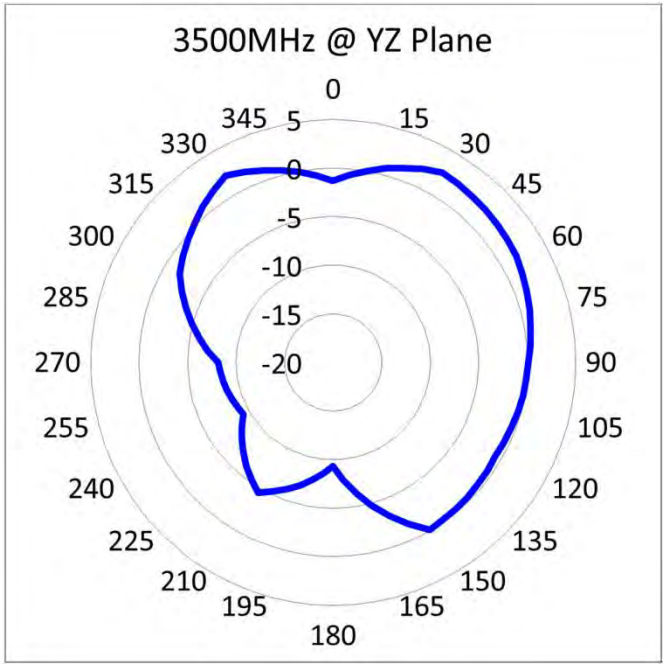




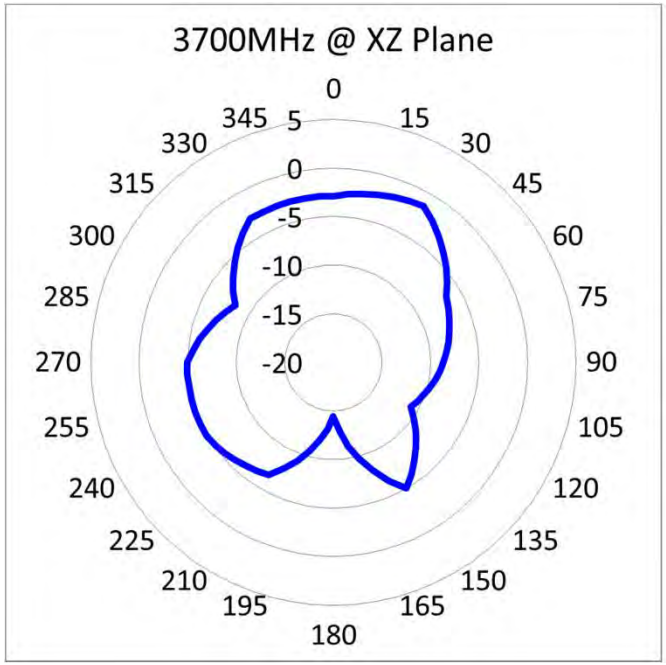
LTE Main Antenna 2D Radiation Pattern 3500 MHz (LTE)

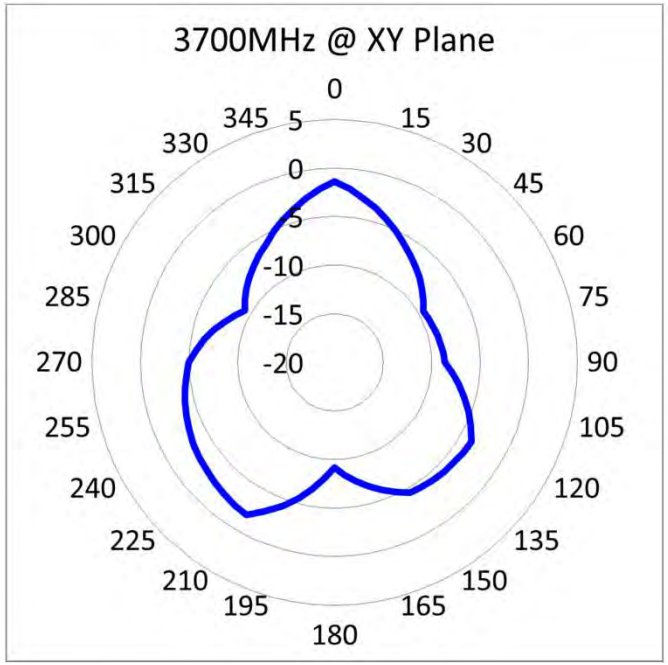


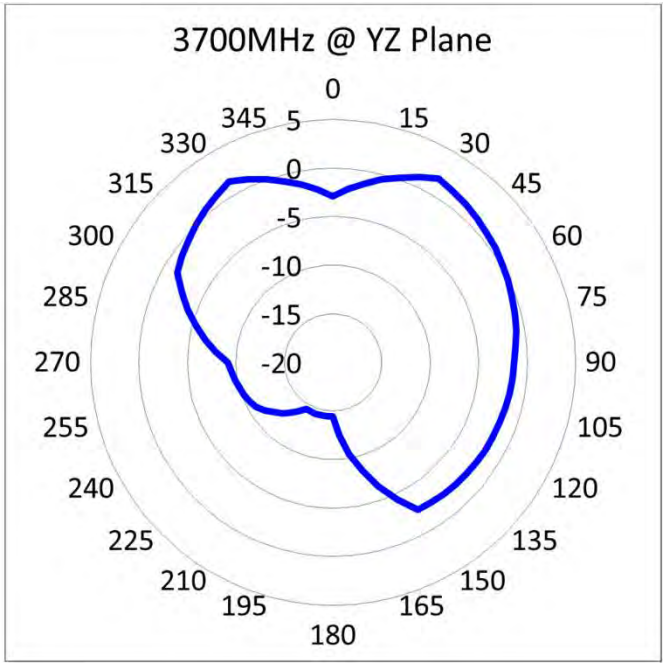




LTE Main Antenna 2D Radiation Pattern 3700 MHz (LTE)

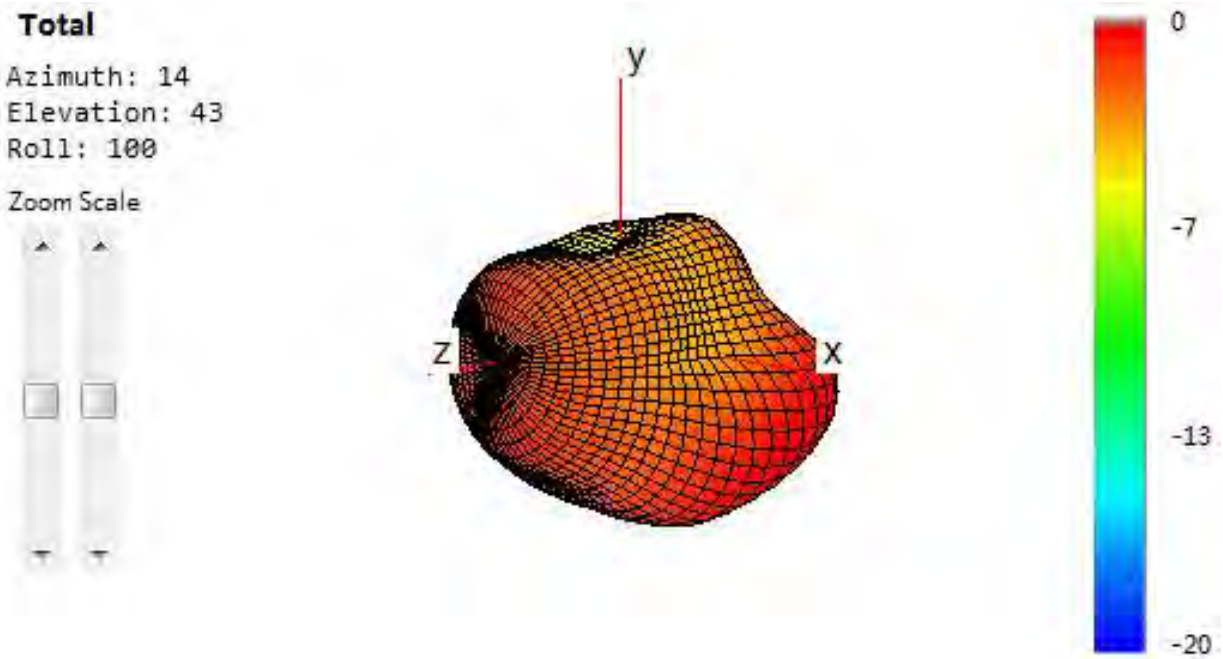






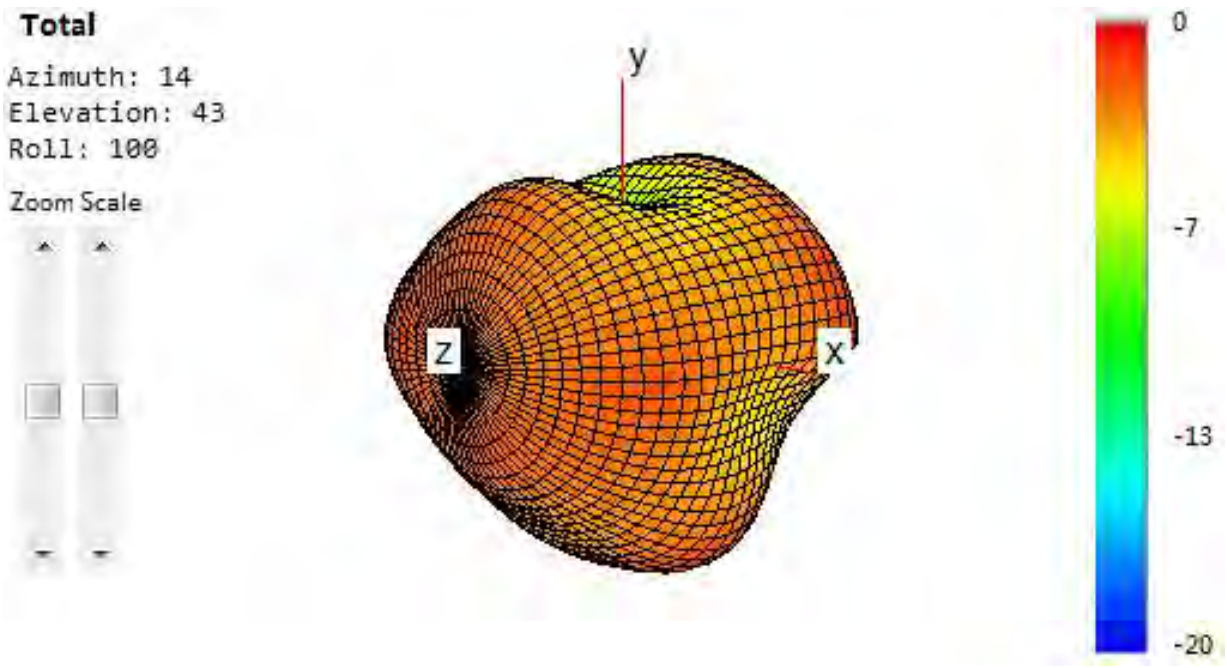
LTE Main Antenna 3D Radiation Pattern 832 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
832	0.34



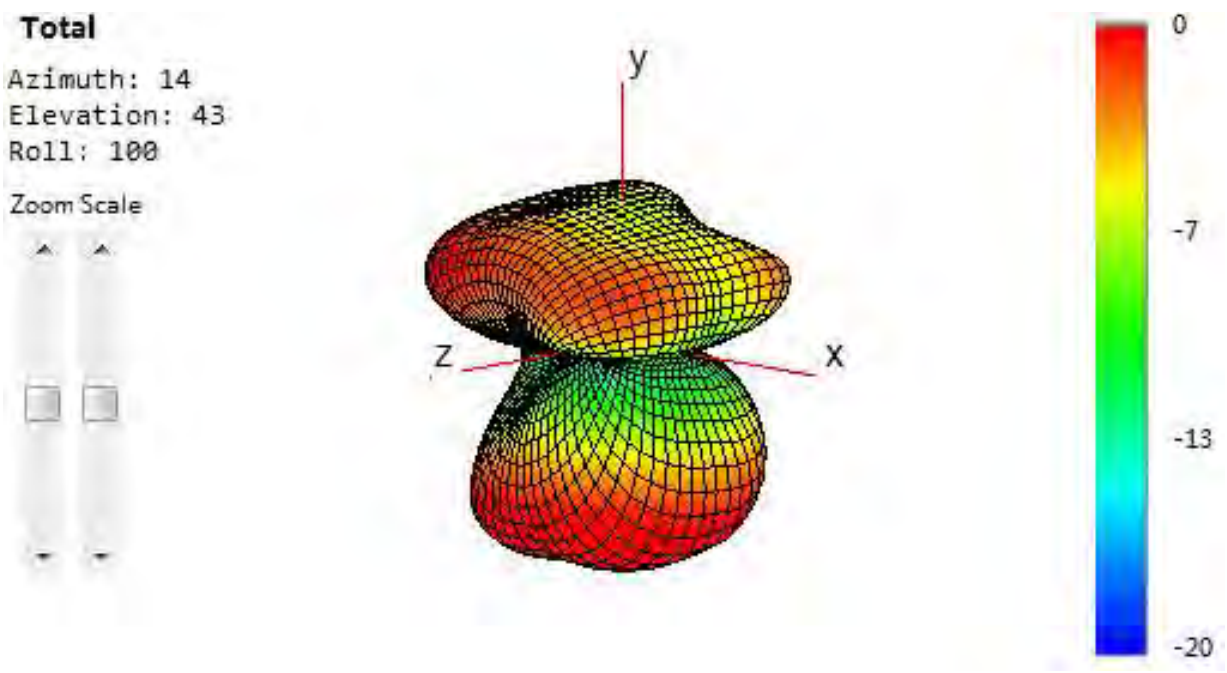
LTE Main Antenna 3D Radiation Pattern 897 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
897	-1.06



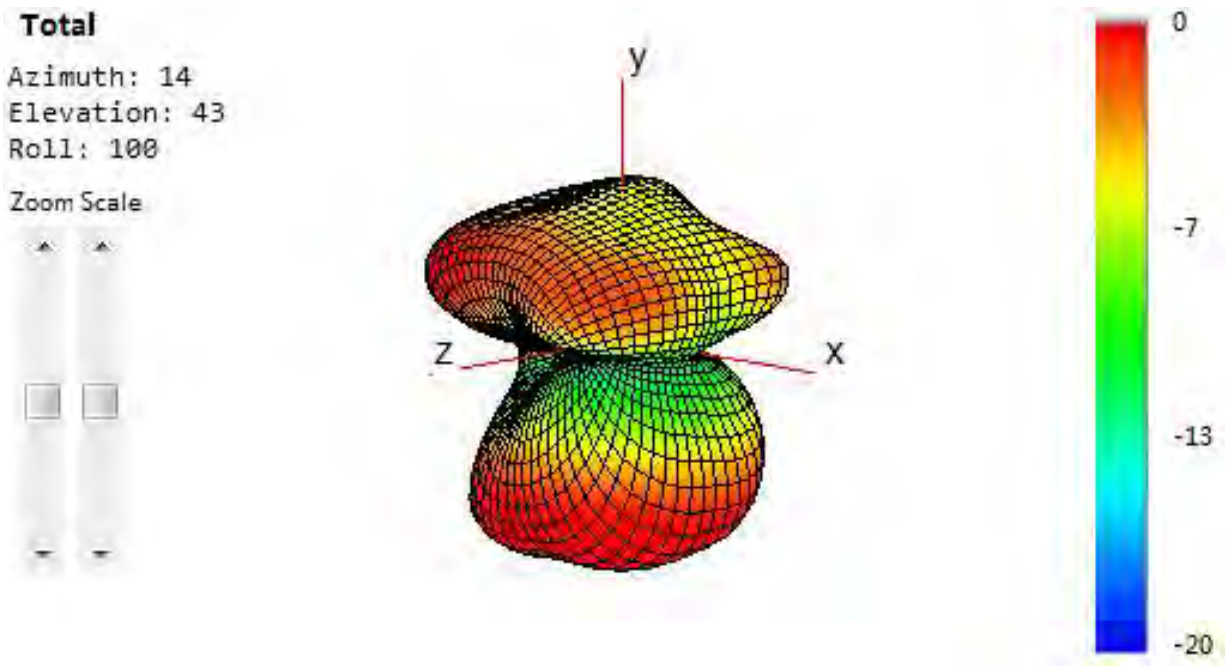
LTE Main Antenna 3D Radiation Pattern 1732 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1732	2.00



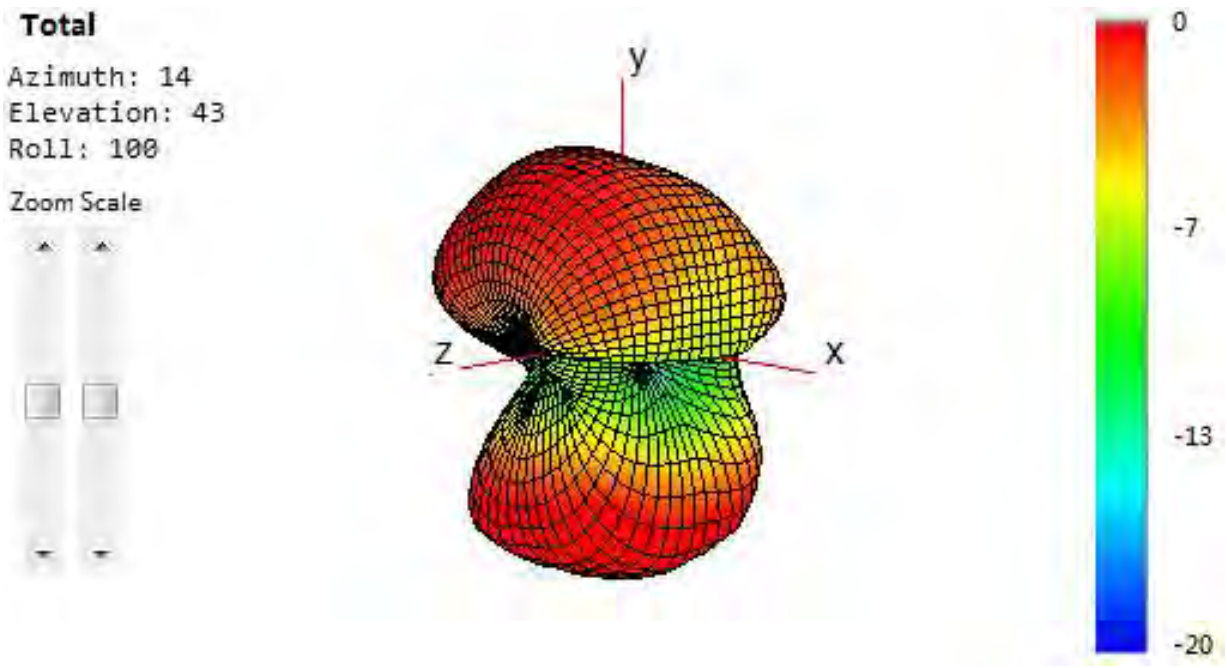
LTE Main Antenna 3D Radiation Pattern 1747 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1747	2.22



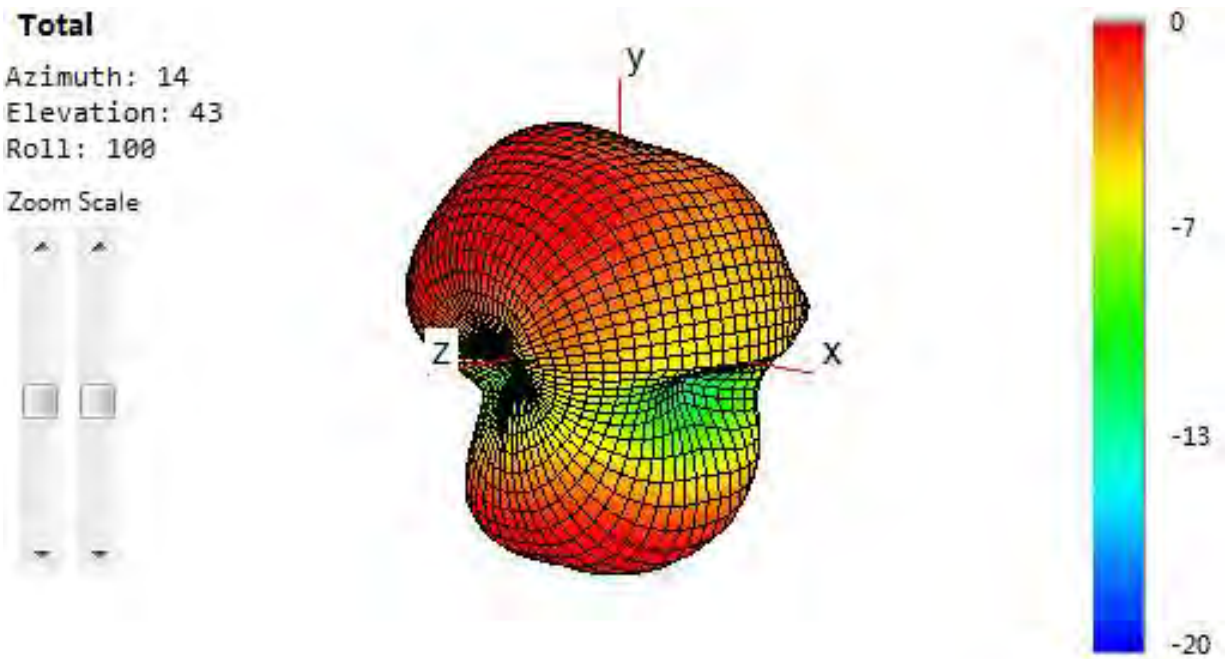
LTE Main Antenna 3D Radiation Pattern 1877 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1877	2.76



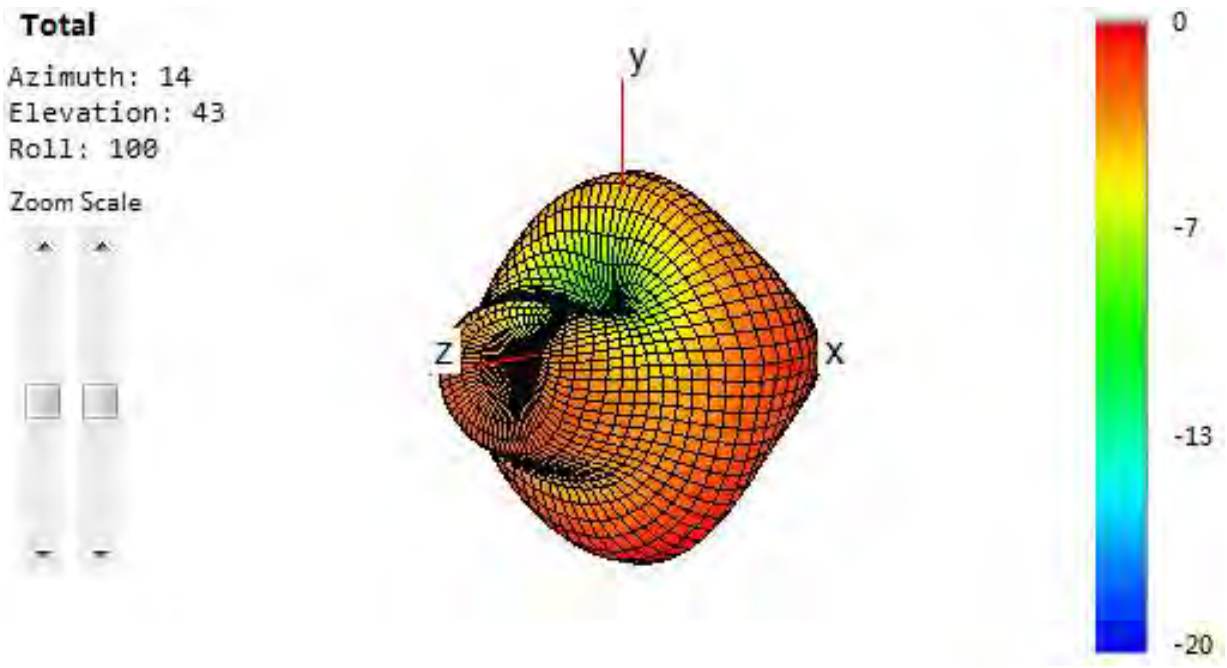
LTE Main Antenna 3D Radiation Pattern 1950 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1950	1.49



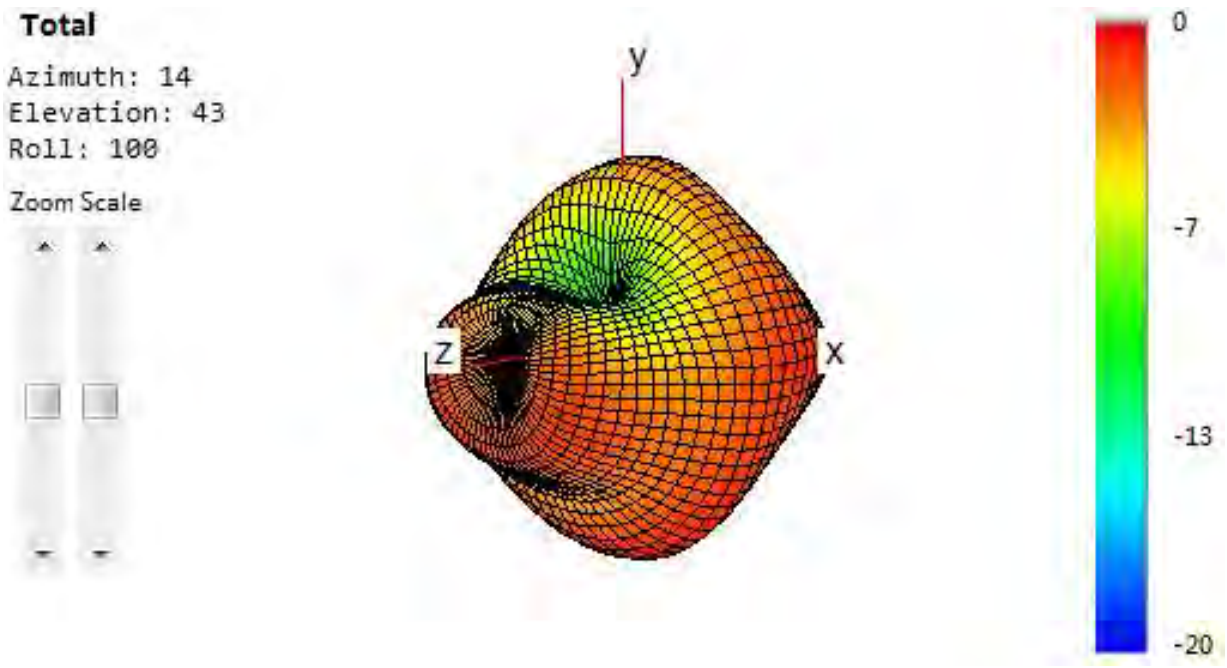
LTE Main Antenna 3D Radiation Pattern 707 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
707	0.43



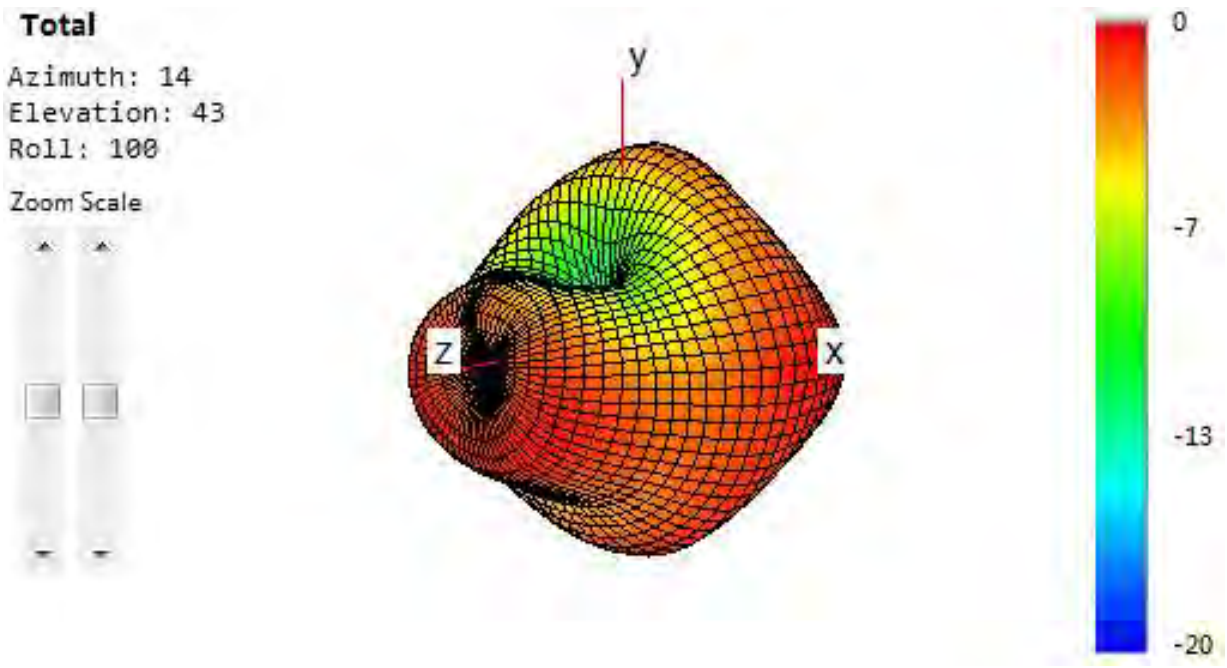
LTE Main Antenna 3D Radiation Pattern 725 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
725	0.01



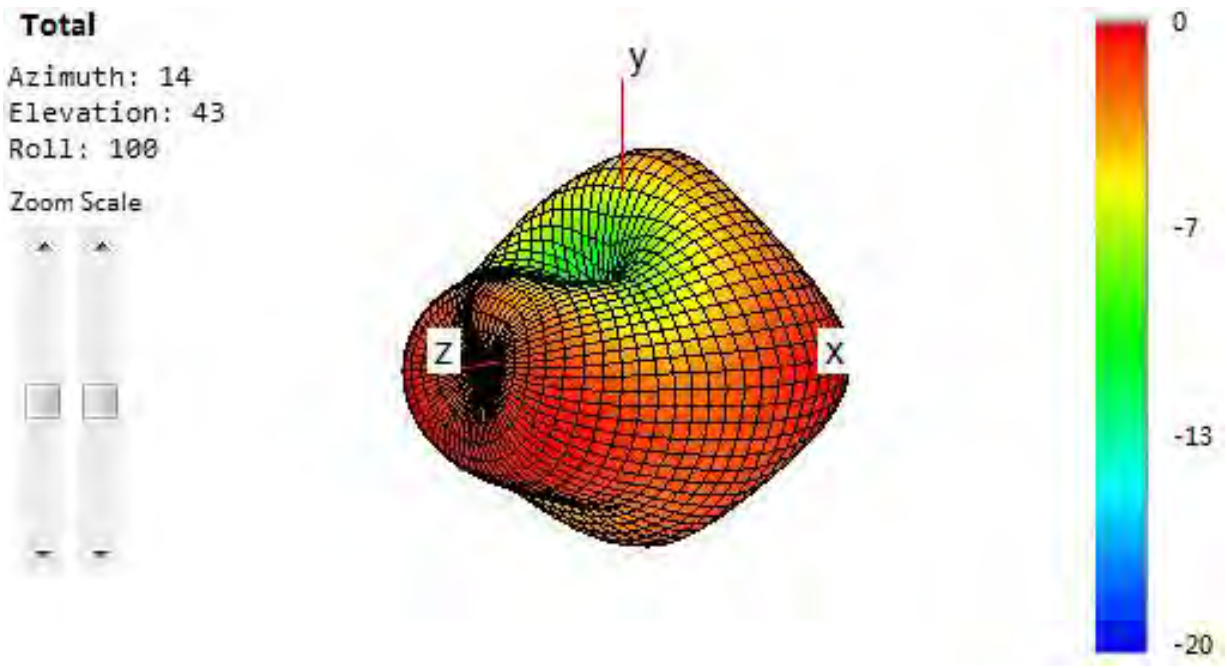
LTE Main Antenna 3D Radiation Pattern 750 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
750	0.51



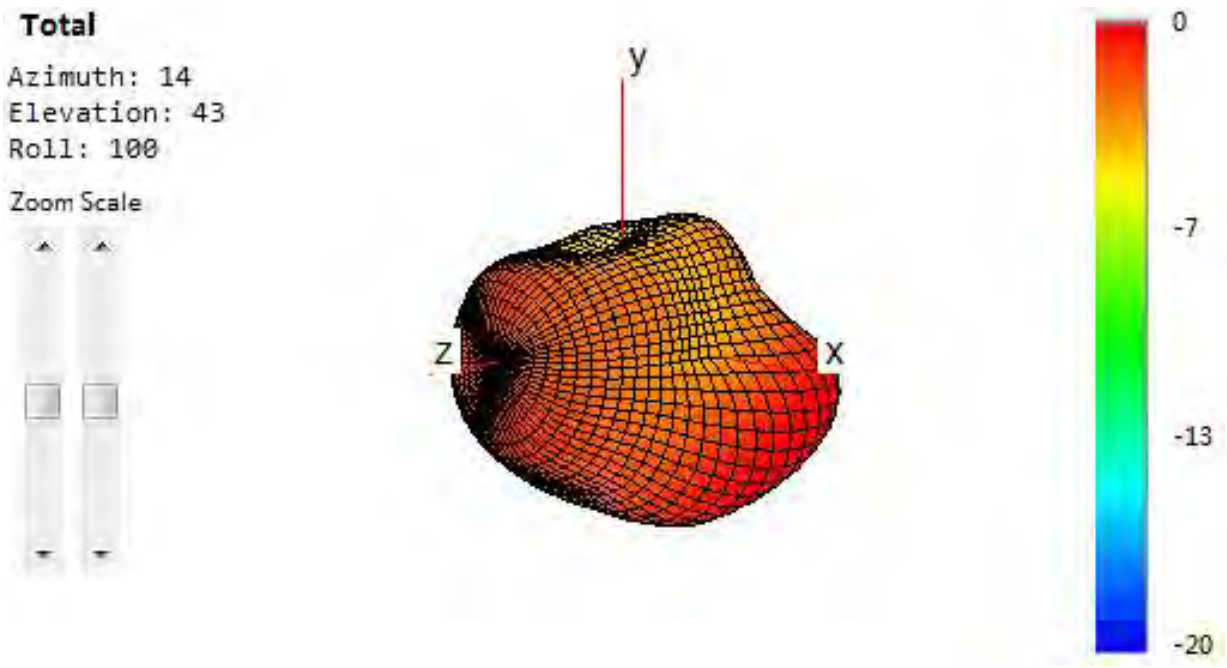
LTE Main Antenna 3D Radiation Pattern 762 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
762	0.73



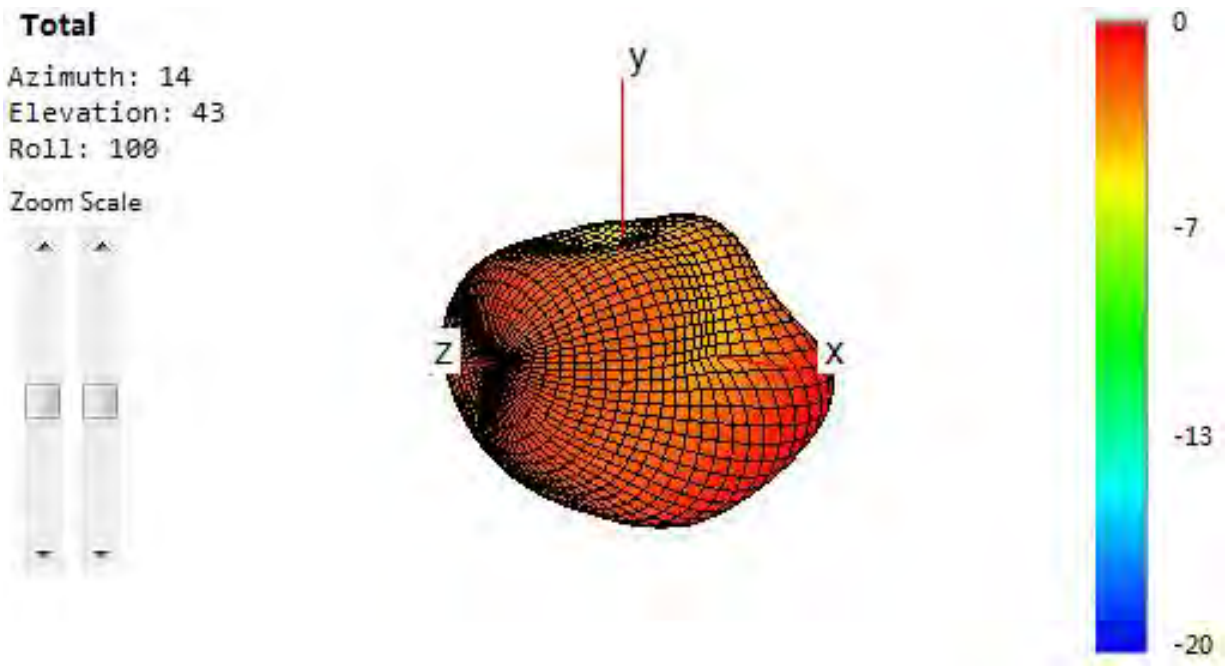
LTE Main Antenna 3D Radiation Pattern 831 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
831	0.37



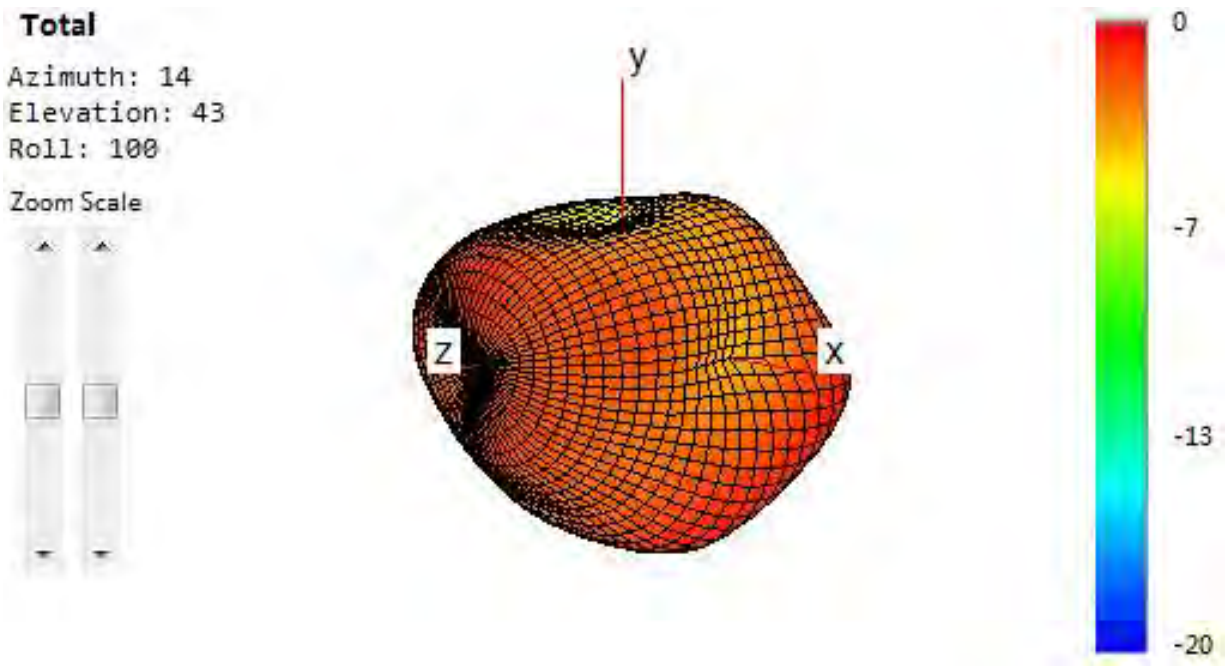
LTE Main Antenna 3D Radiation Pattern 835 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
835	0.08



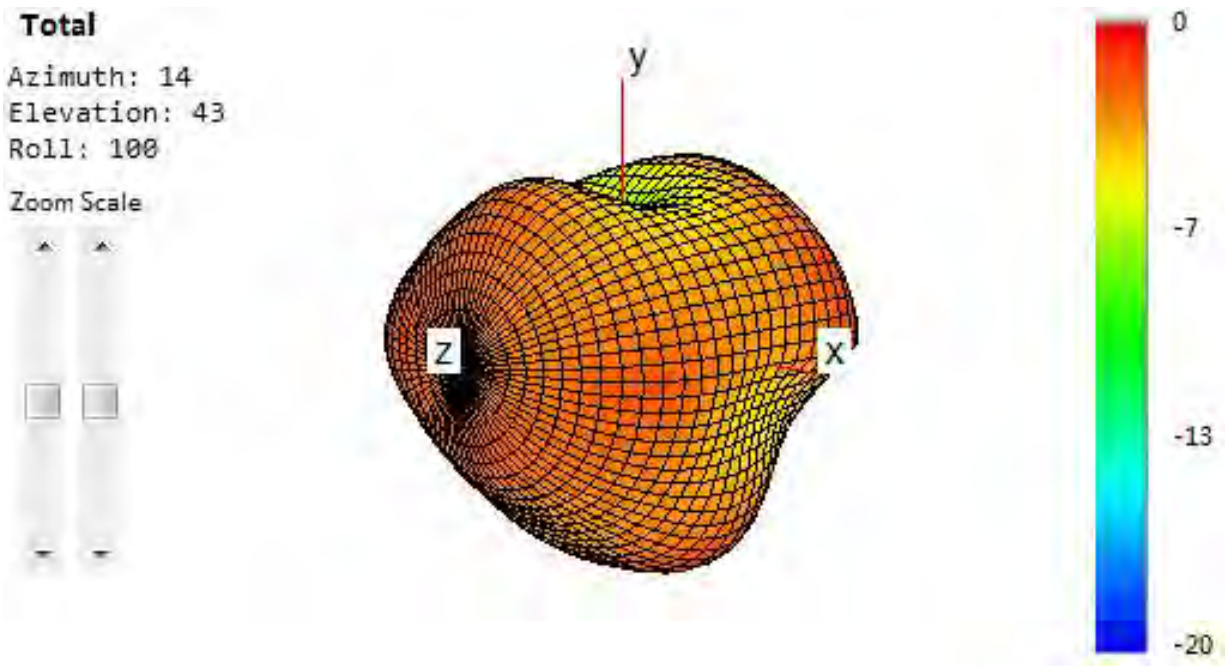
LTE Main Antenna 3D Radiation Pattern 846 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
846	-0.15



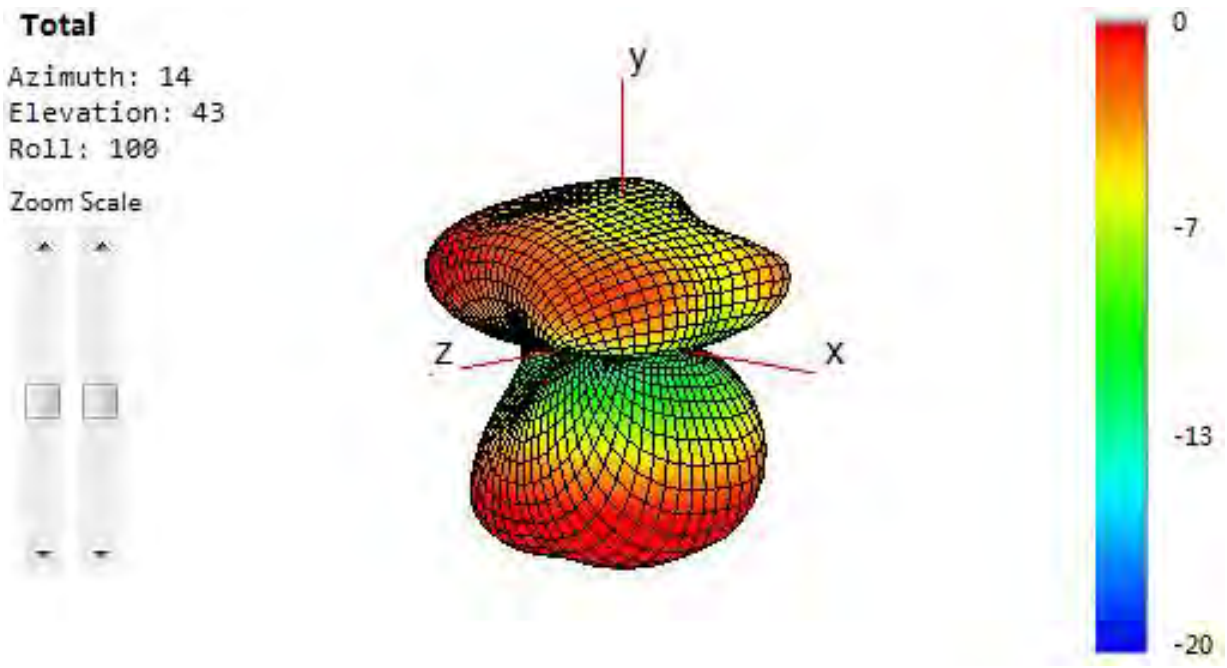
LTE Main Antenna 3D Radiation Pattern 897 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
897	-1.06



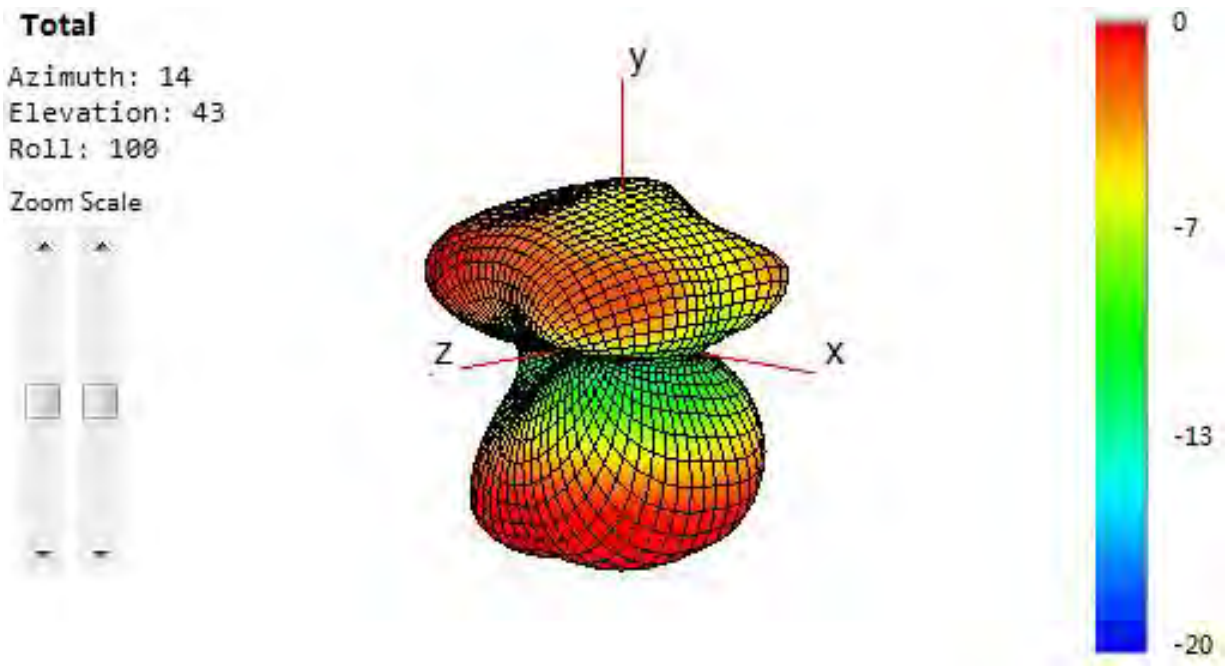
LTE Main Antenna 3D Radiation Pattern 1730 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1730	2.00



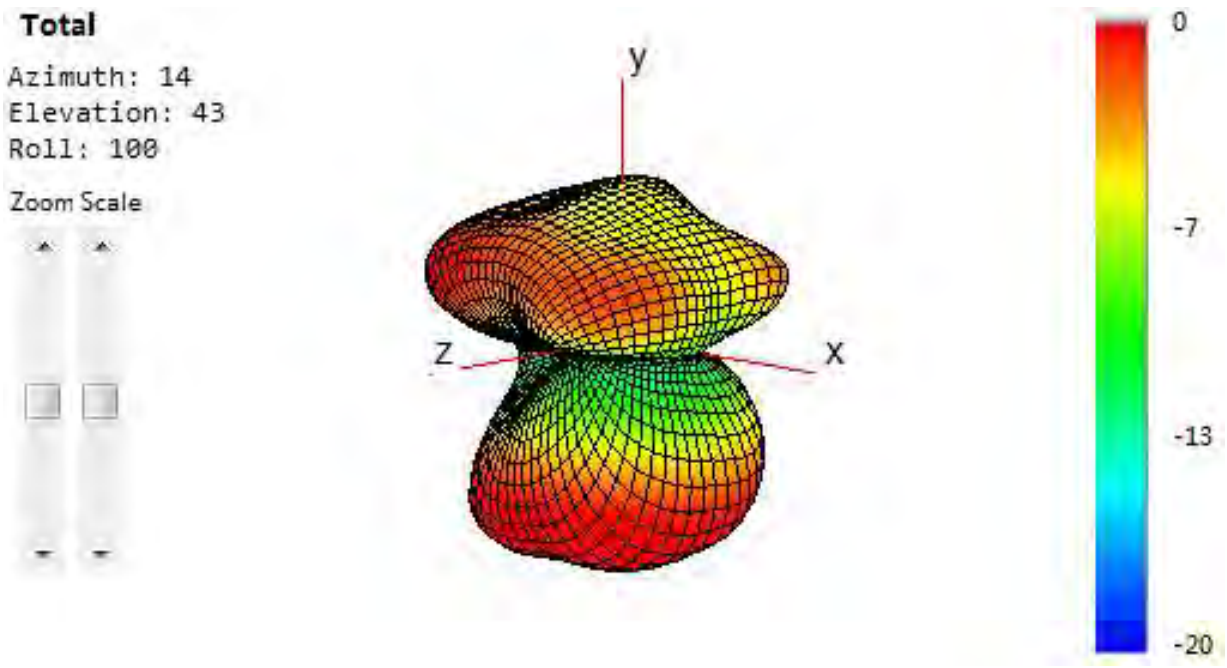
LTE Main Antenna 3D Radiation Pattern 1745 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1745	2.16



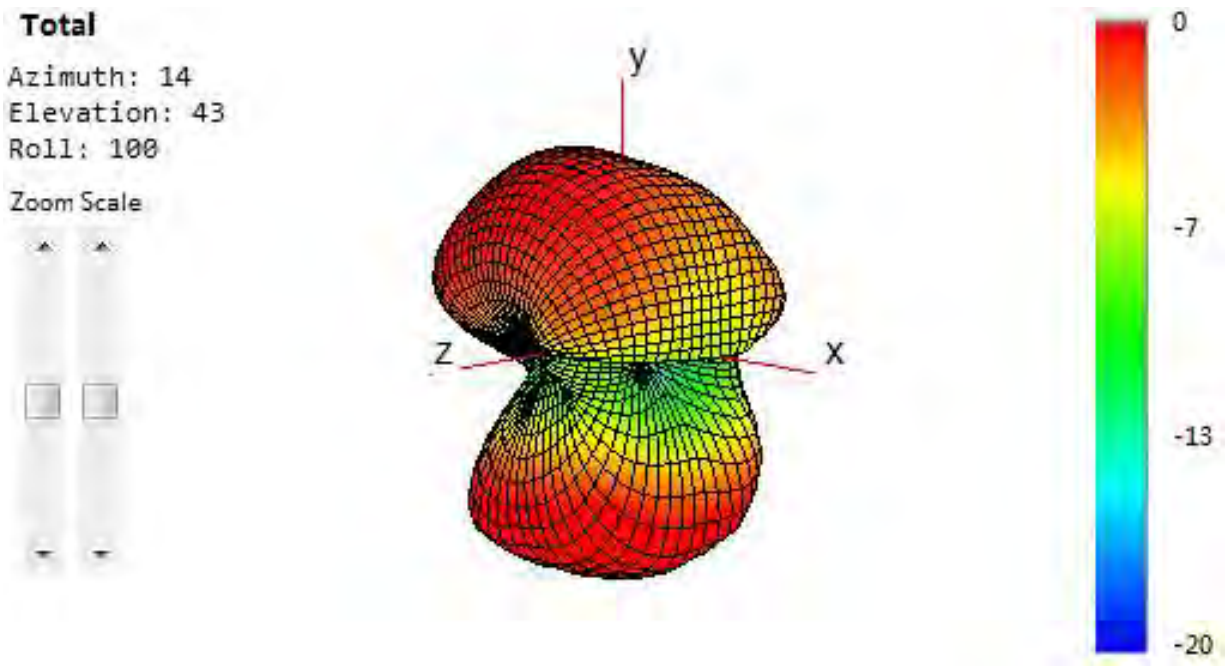
LTE Main Antenna 3D Radiation Pattern 1750 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1750	2.25



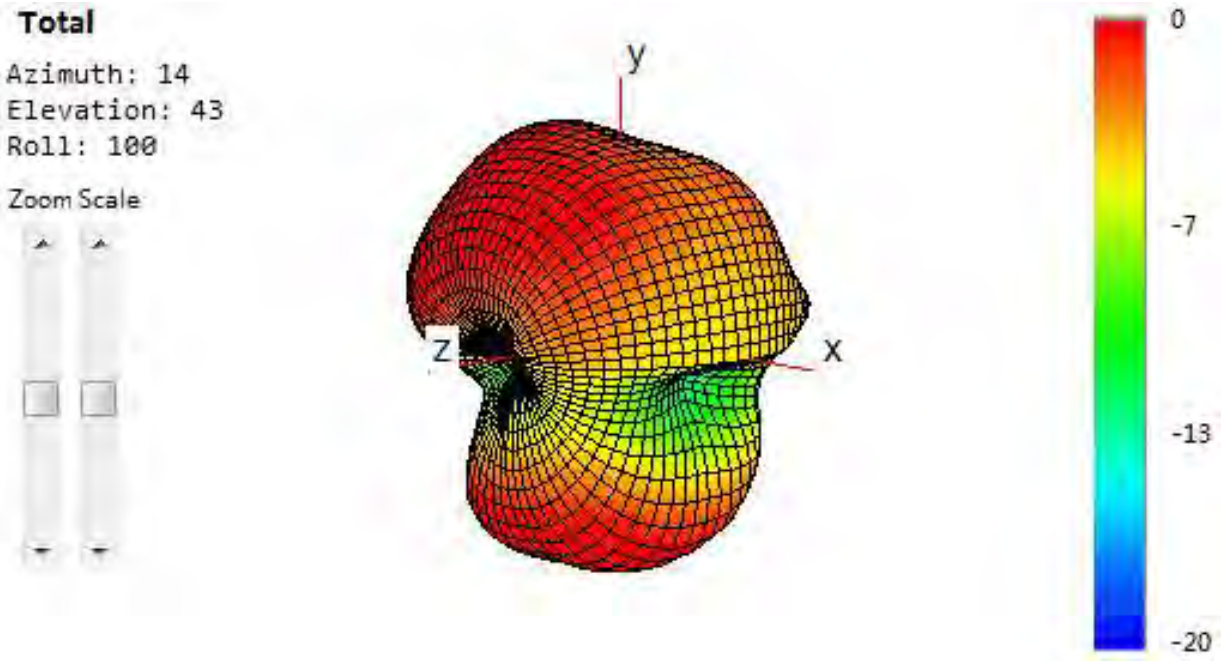
LTE Main Antenna 3D Radiation Pattern 1880 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1880	2.76



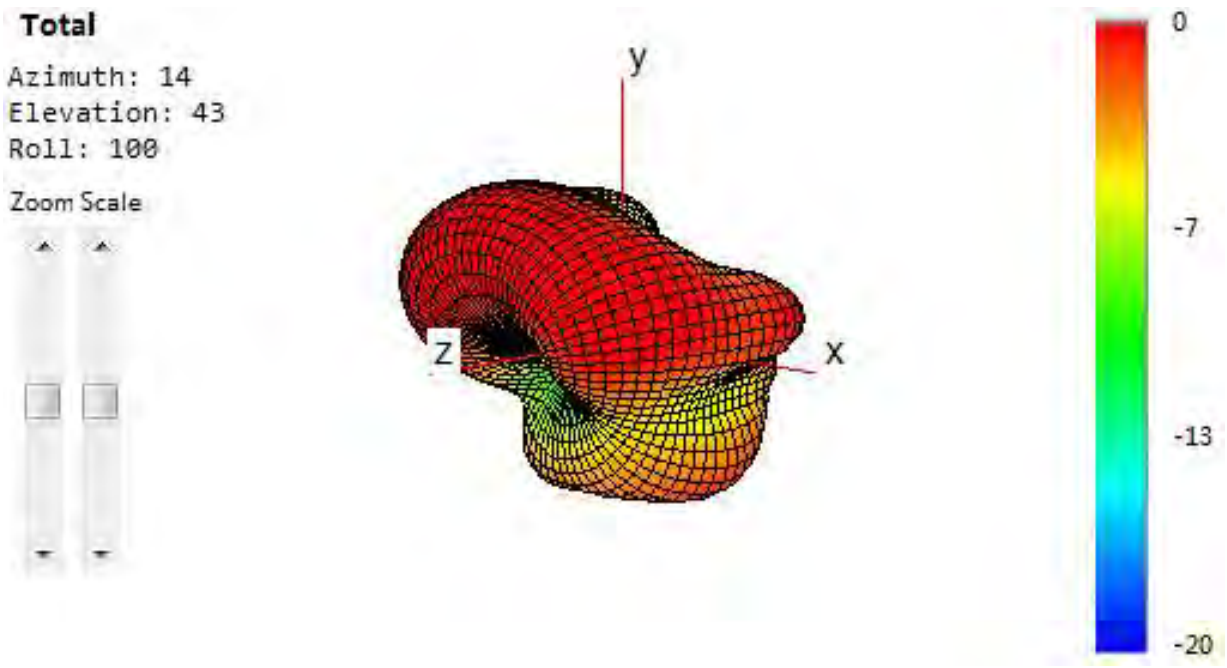
LTE Main Antenna 3D Radiation Pattern 1950 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1950	1.49



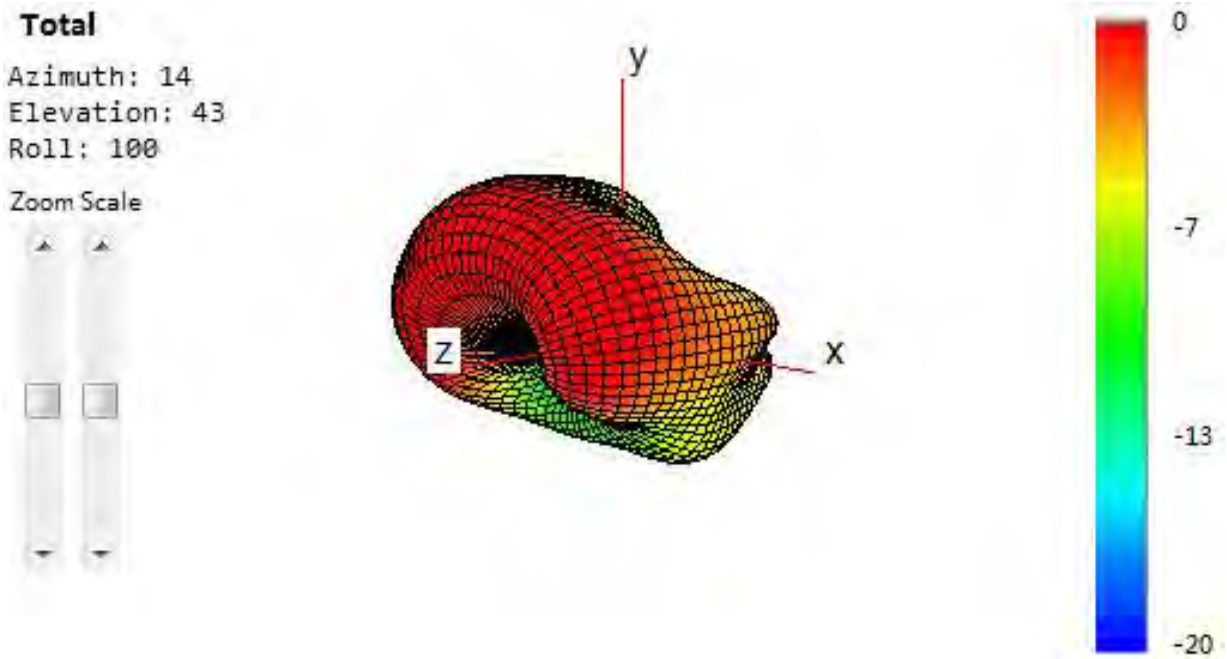
LTE Main Antenna 3D Radiation Pattern 2535 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2535	2.73



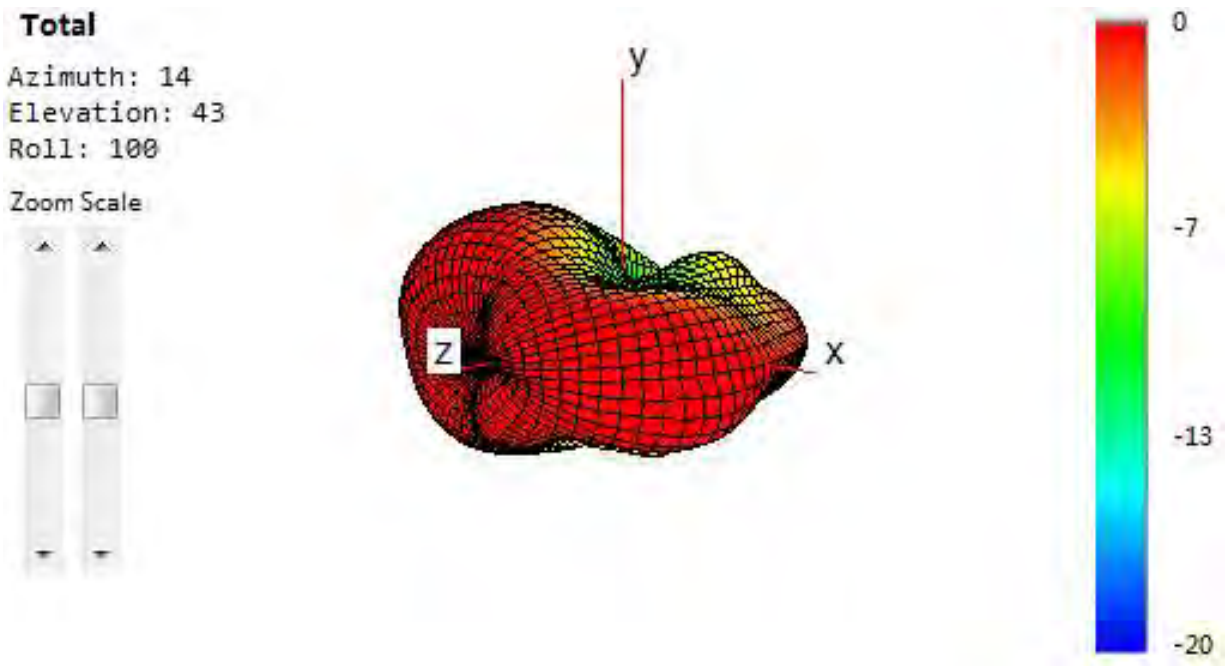
LTE Main Antenna 3D Radiation Pattern 2592 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2952	2.93



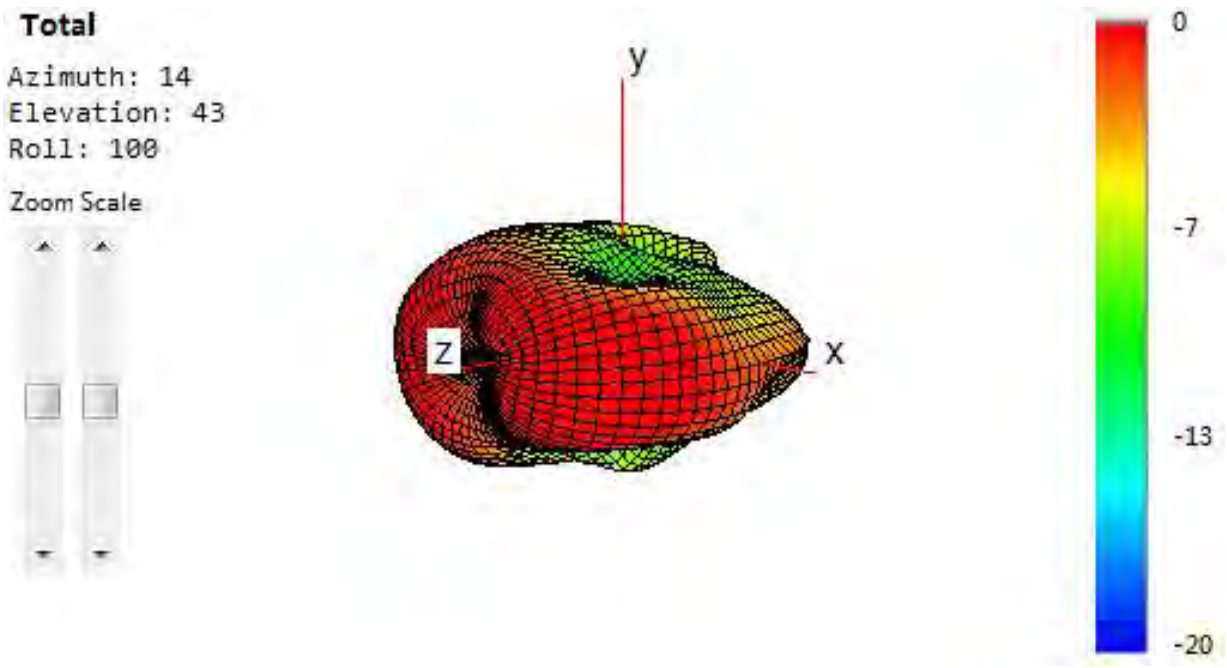
LTE Main Antenna 3D Radiation Pattern 3500 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
3500	2.80



LTE Main Antenna 3D Radiation Pattern 3700 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
3700	1.90



LTE Aux Antenna Assembly Specifications (WCDMA)

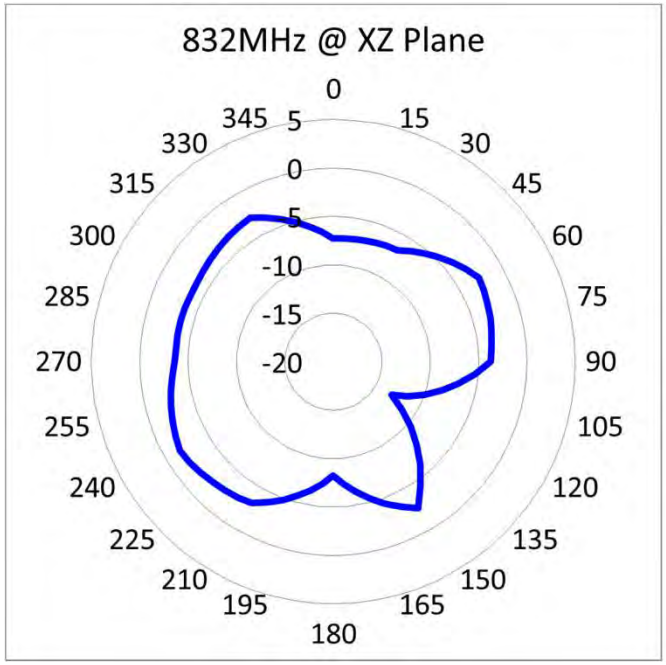
Trade name：Auden
Model name：UX10G3 WWAN AUX ANT
Type：FPC Antenna

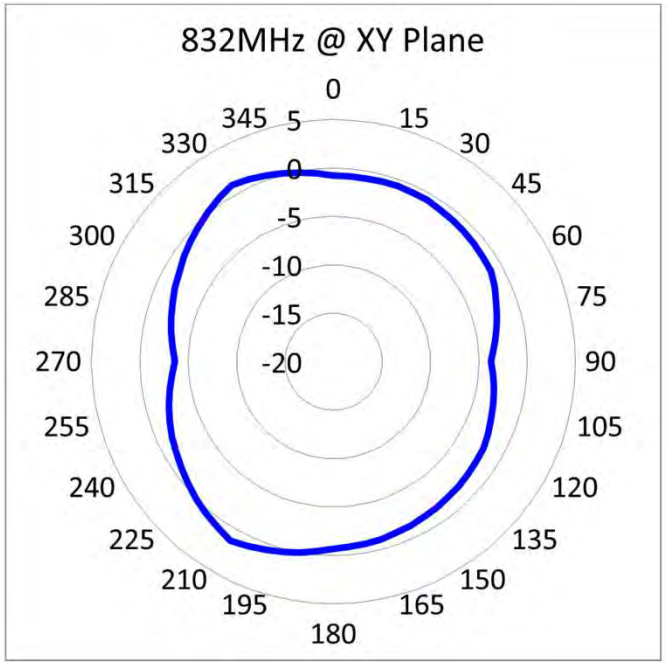
	Band	Freq. Range (MHz)	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
WCDMA	B5	832	1.31	1.52	3.5 max	0.21
	B8	897	1.64	1.85	3.5 max	0.22
	B4	1732	-0.57	-0.25	3.5 max	0.32
	B3	1747	-1.81	-1.49	3.5 max	0.32
	B2	1877	-3.29	-2.98	3.5 max	0.31
	B1	1950	-0.14	0.16	3.5 max	0.30

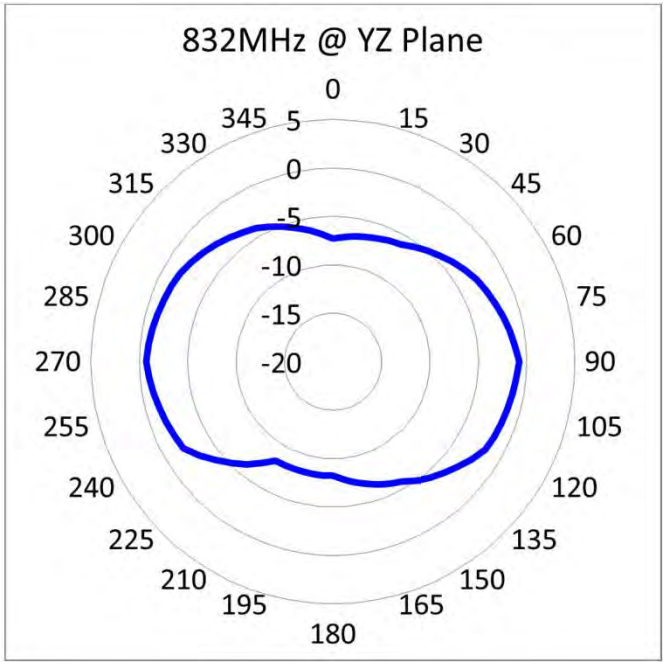
LTE Aux Antenna Assembly Specifications (LTE)

	Band	Freq. Range (MHz)	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
LTE	B12	707	0.93	1.14	3.9 max	0.21
	B28	725	1.18	1.40	3.9 max	0.22
	B13	750	1.36	1.57	3.9 max	0.22
	B14	762	1.01	1.23	3.9 max	0.21
	B26	831	1.31	1.52	3.9 max	0.21
	B5	835	1.65	1.86	3.9 max	0.21
	B20	846	1.64	1.85	3.9 max	0.22
	B8	897	1.29	1.51	3.9 max	0.22
	B4	1730	-0.57	-0.25	3.9 max	0.32
	B66	1745	-0.36	-0.04	3.9 max	0.32
	B3	1750	-1.81	-1.49	3.9 max	0.32
	B2	1880	-3.25	-2.94	3.9 max	0.31
	B1	1950	-0.14	0.16	3.9 max	0.30
	B7	2535	1.03	1.44	3.9 max	0.41
	B41	2592	1.02	1.43	3.9 max	0.41
	B42	3500	2.63	3.33	3.9 max	0.70
	B43	3700	2.93	3.63	3.9 max	0.70

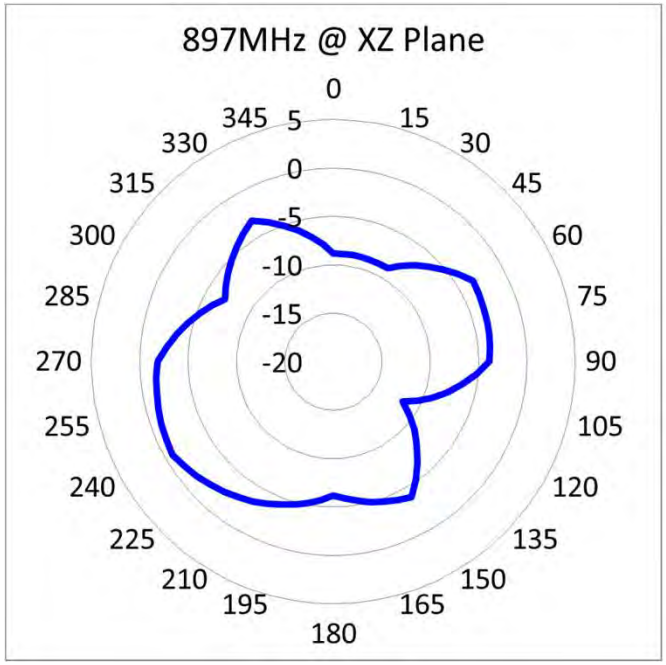
LTE Aux Antenna 2D Radiation Pattern 832 MHz (WCDMA)

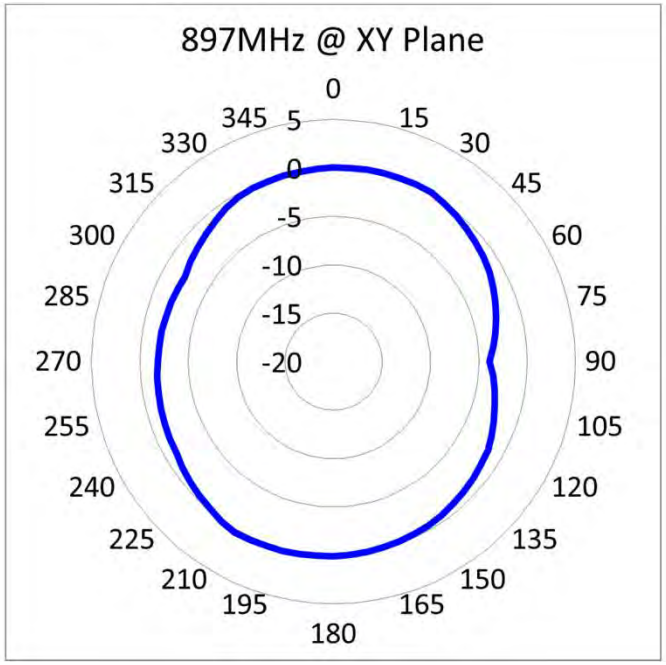


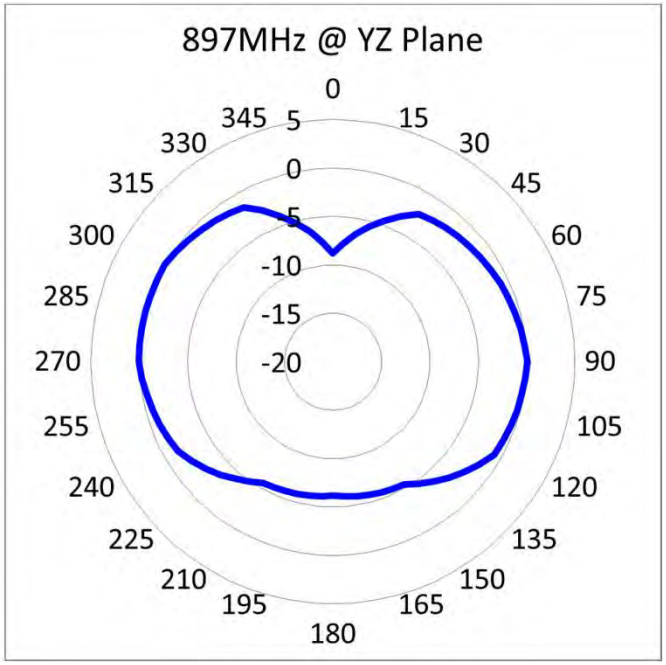




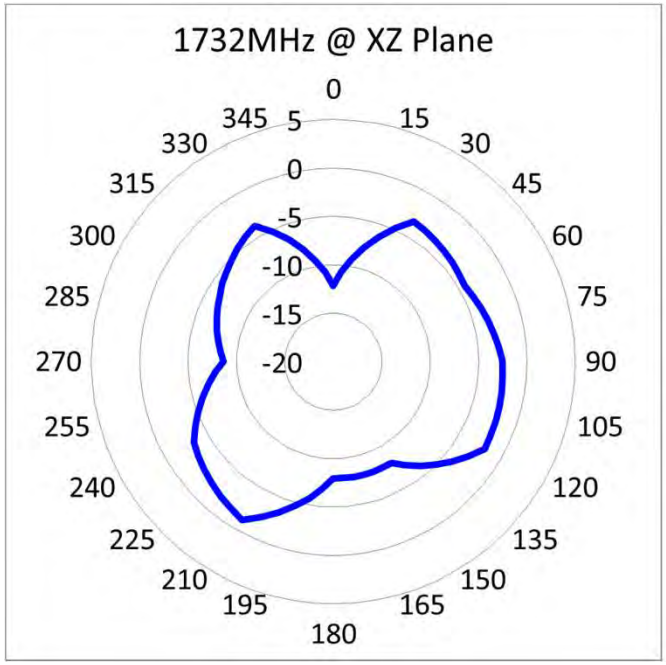
LTE Aux Antenna 2D Radiation Pattern 897 MHz (WCDMA)

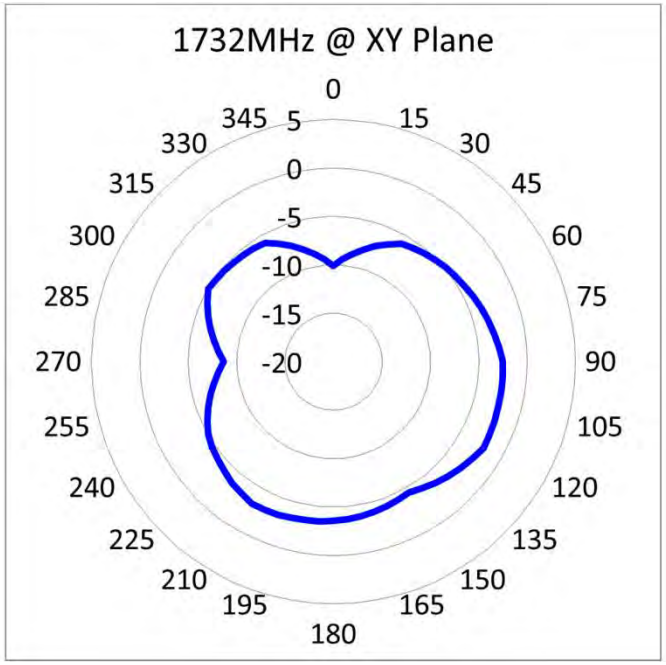


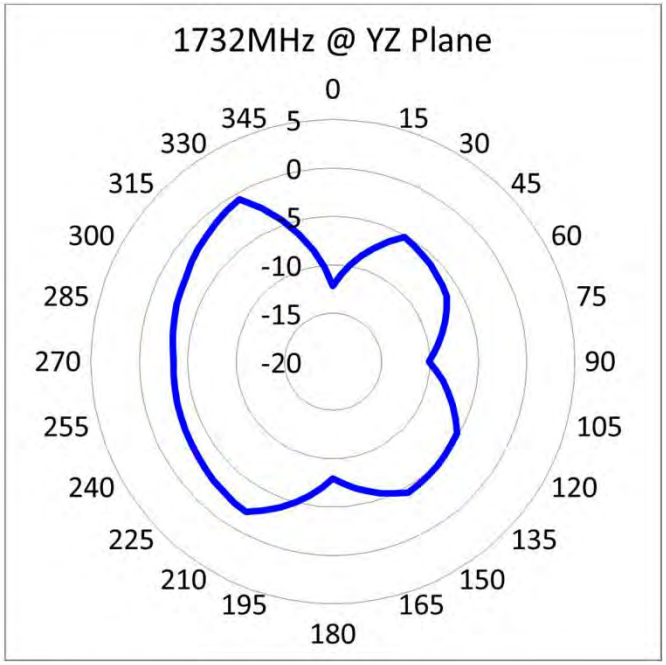




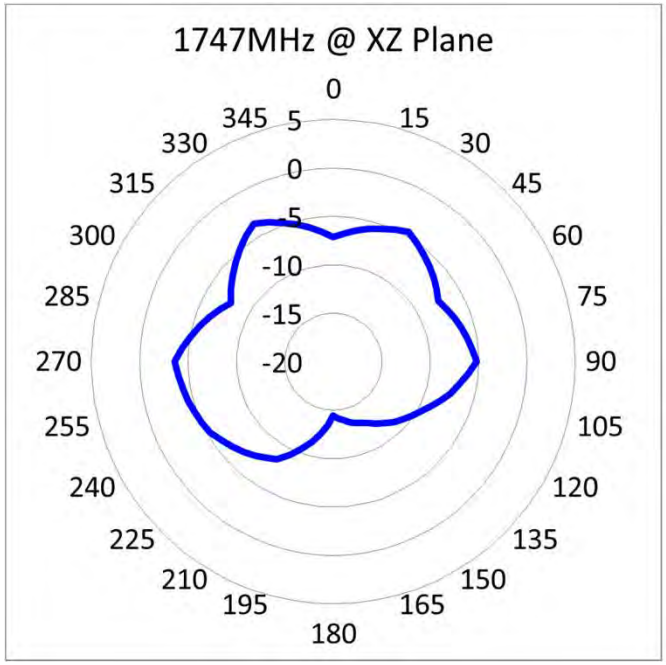
LTE Aux Antenna 2D Radiation Pattern 1732 MHz (WCDMA)

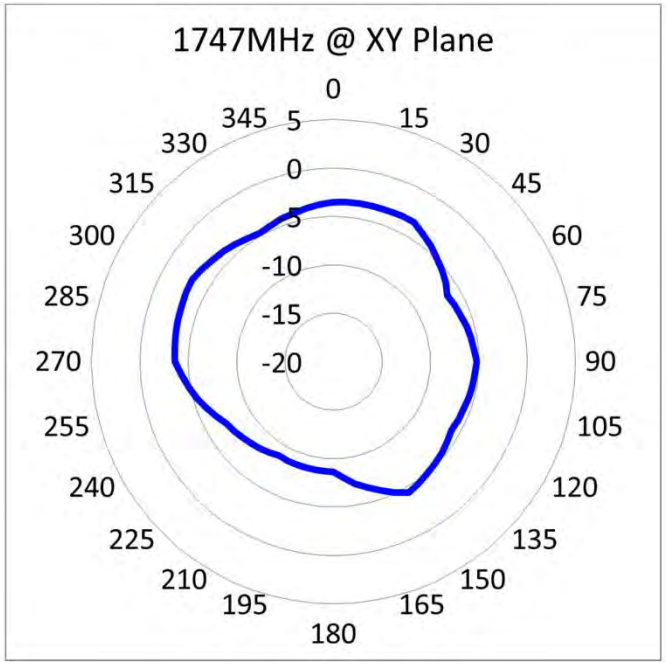


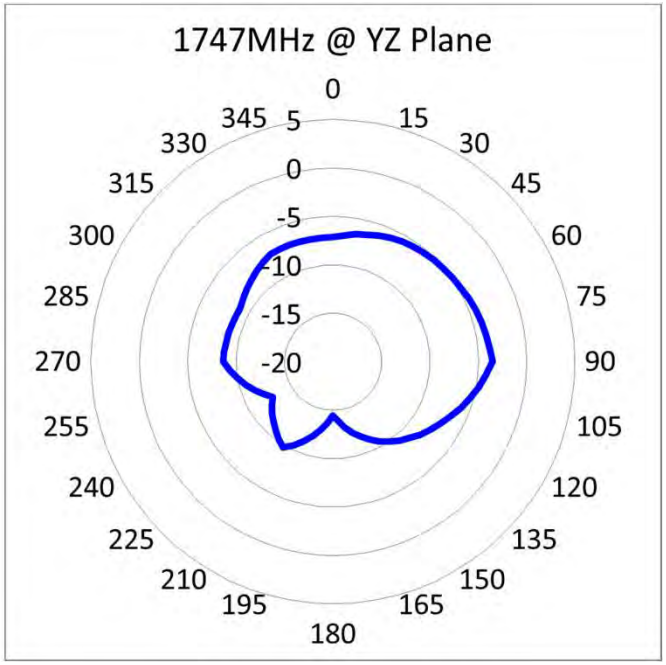




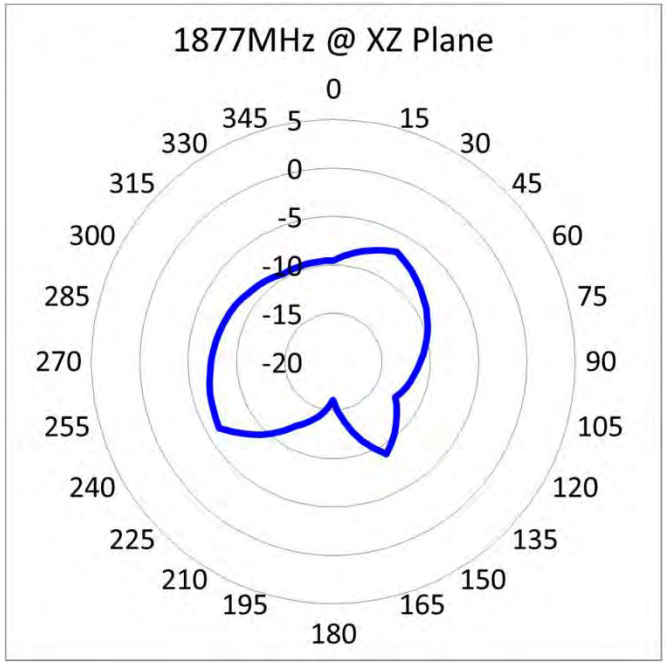
LTE Aux Antenna 2D Radiation Pattern 1747 MHz (WCDMA)

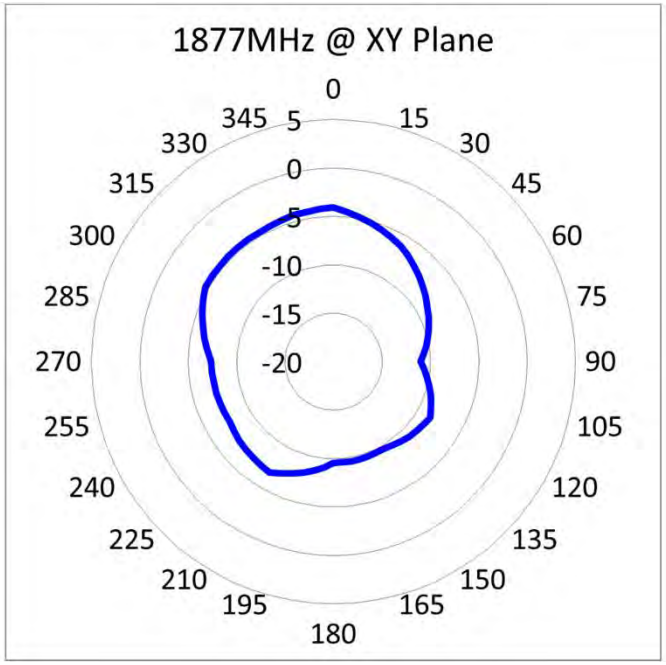


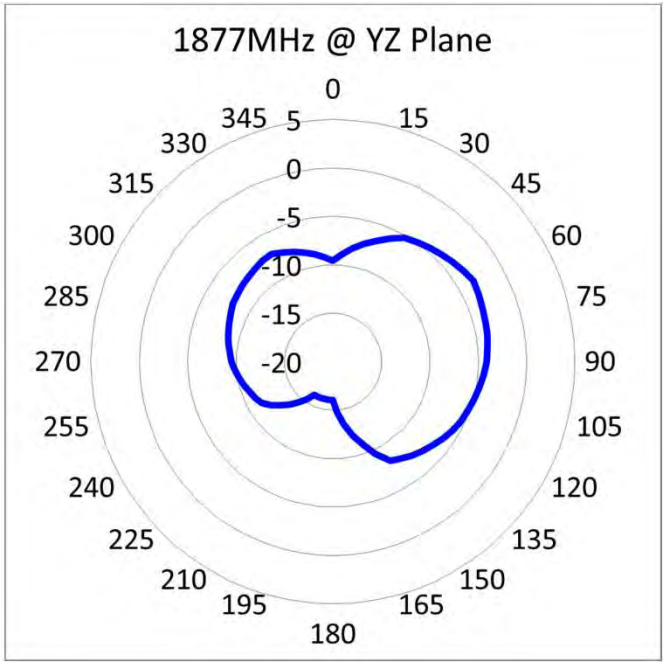




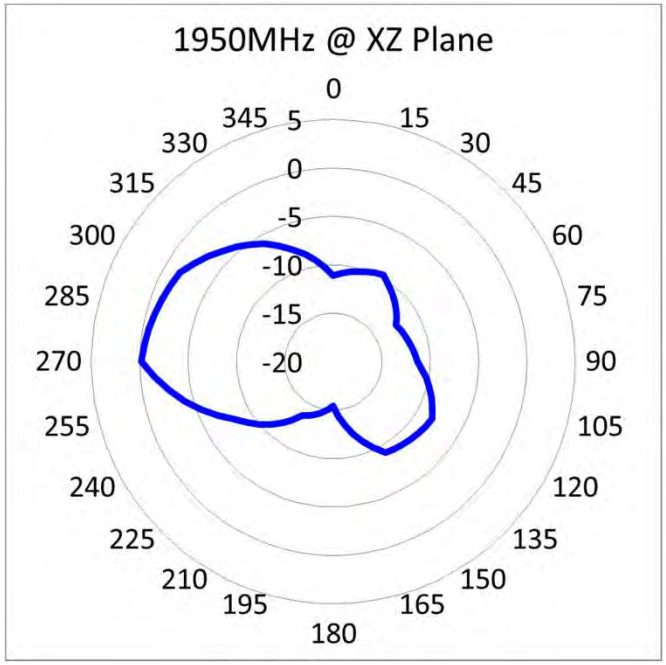
LTE Aux Antenna 2D Radiation Pattern 1877 MHz (WCDMA)

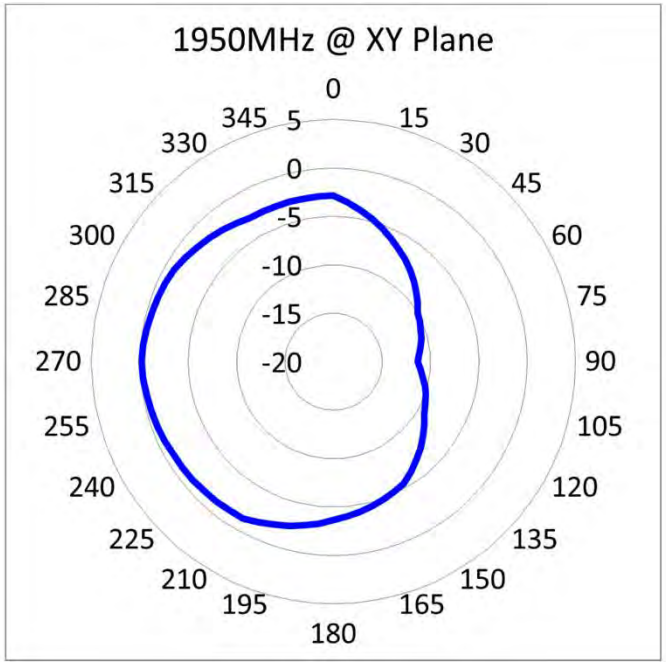


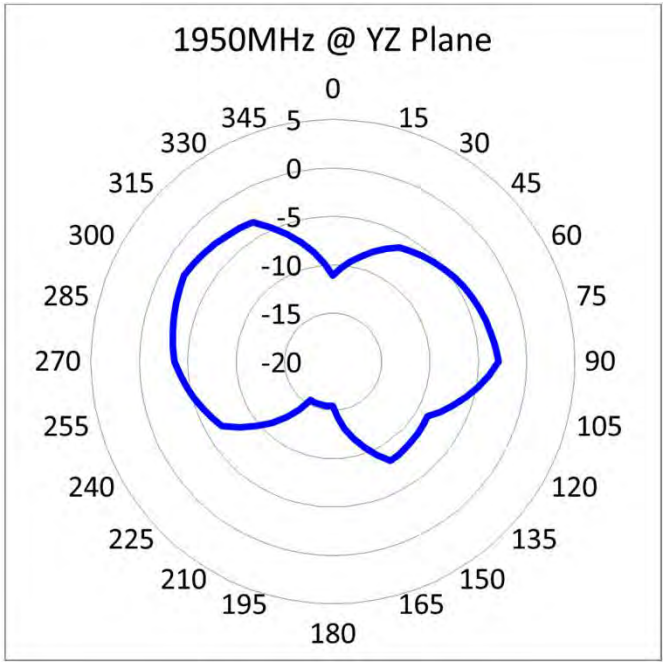




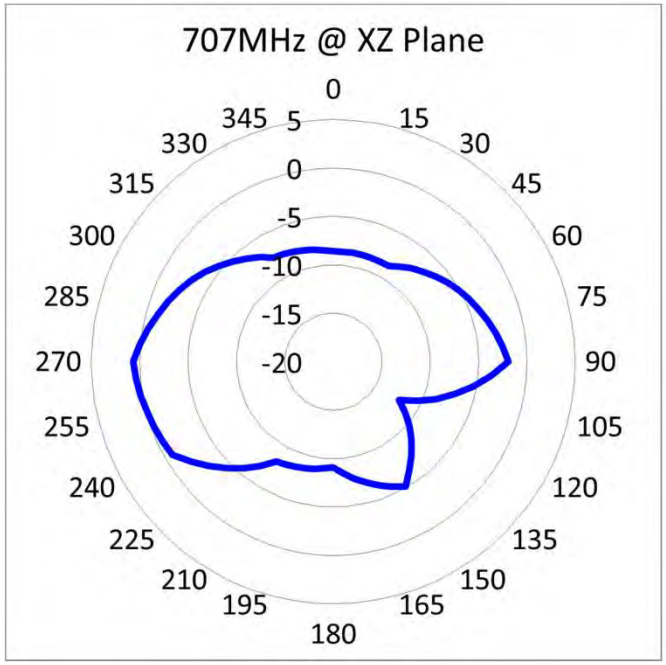
LTE Aux Antenna 2D Radiation Pattern 1950 MHz (WCDMA)

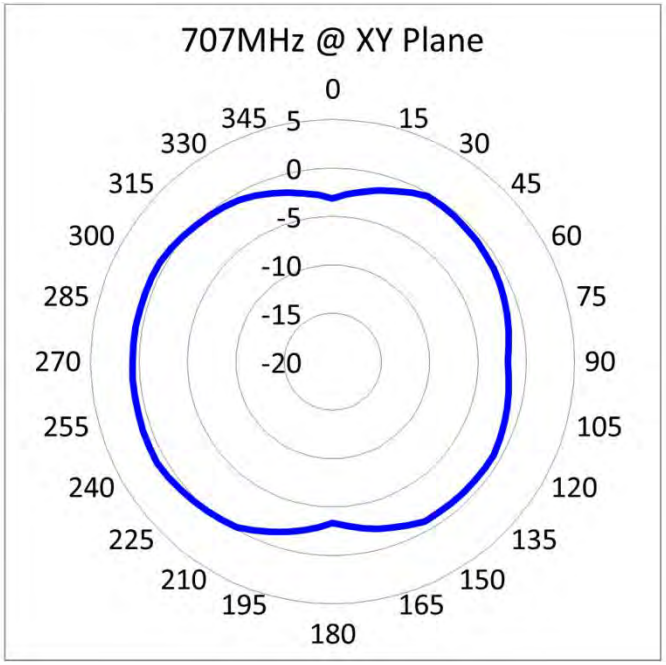


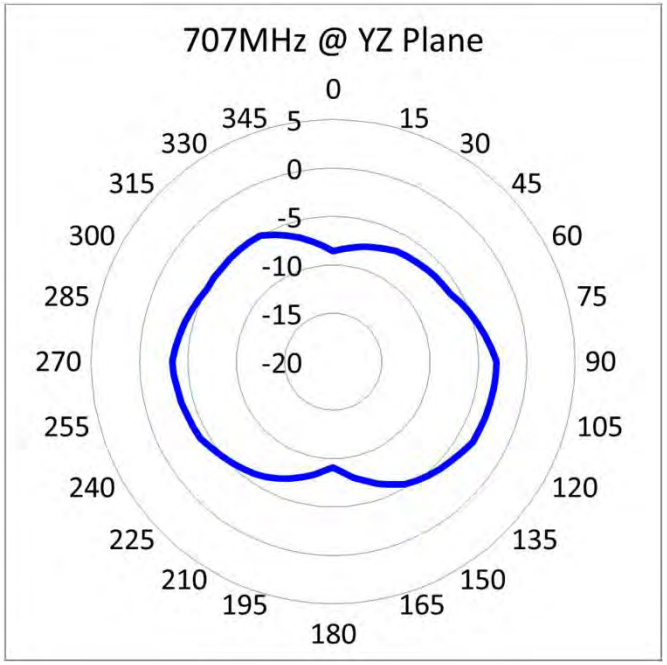




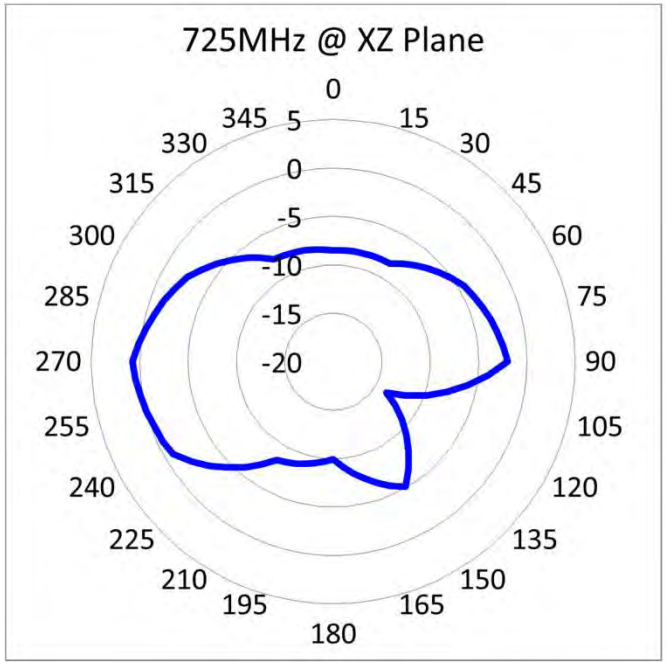
LTE Aux Antenna 2D Radiation Pattern 707 MHz (LTE)

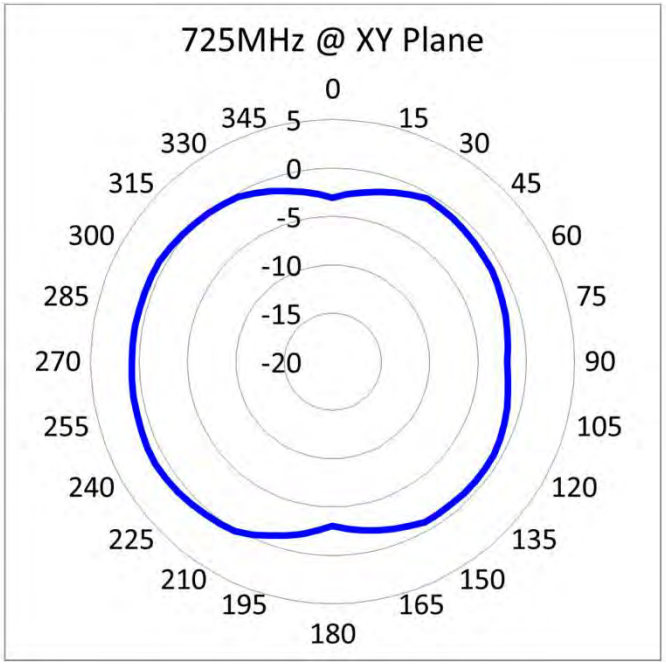


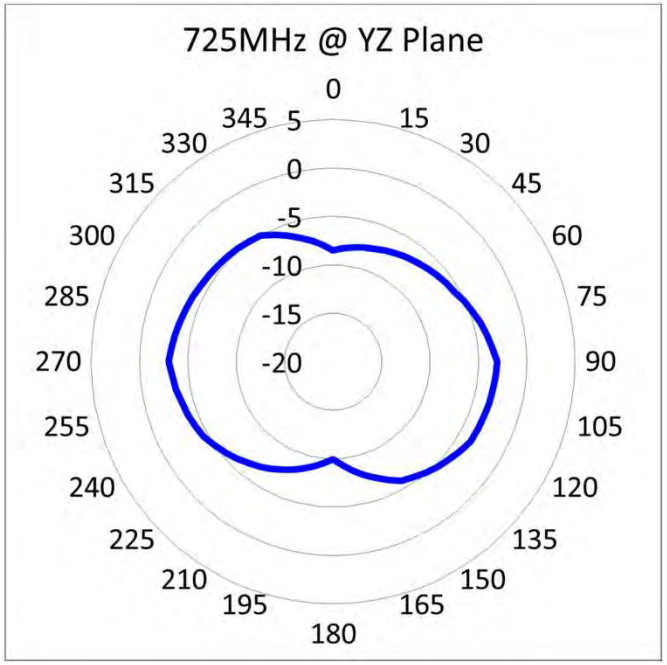




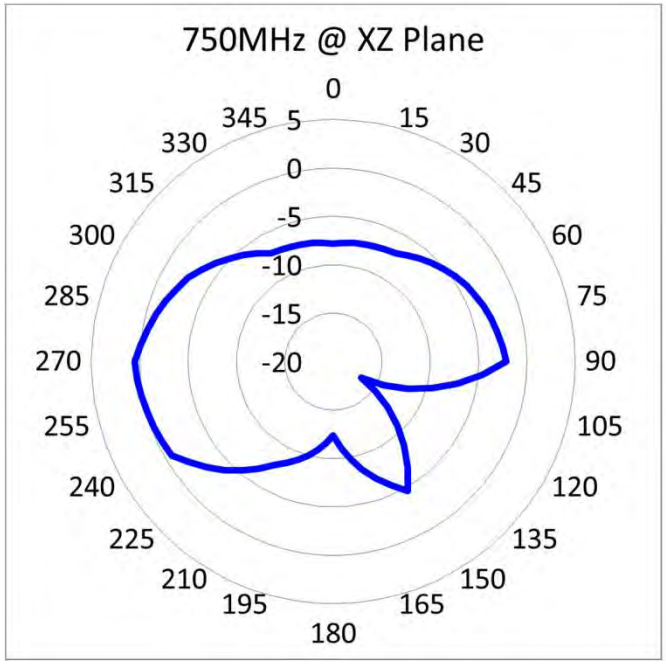
LTE Aux Antenna 2D Radiation Pattern 725 MHz (LTE)

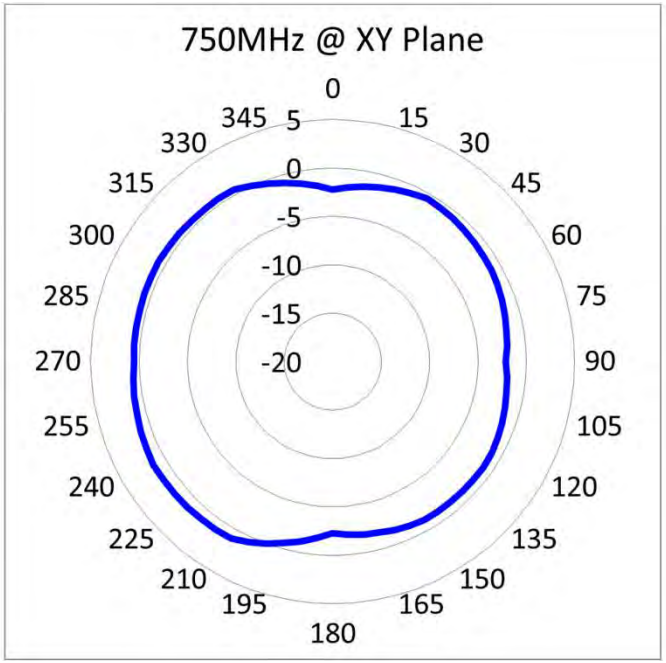


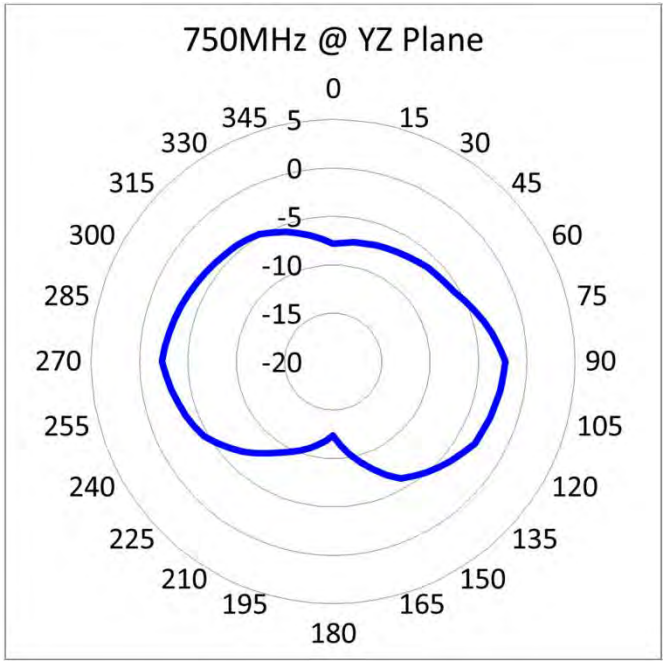




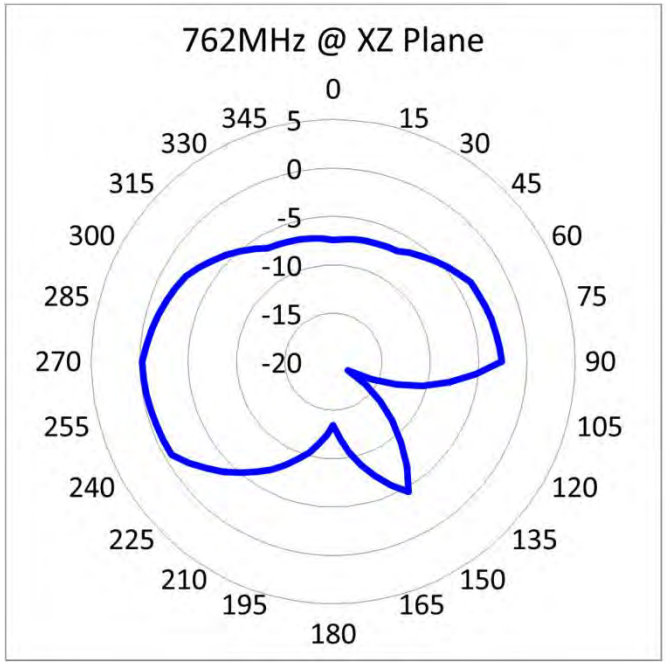
LTE Aux Antenna 2D Radiation Pattern 750 MHz (LTE)

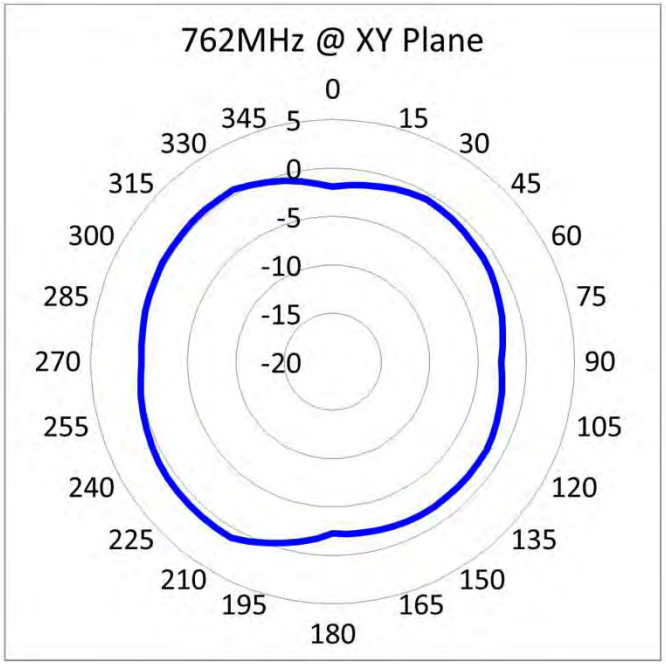


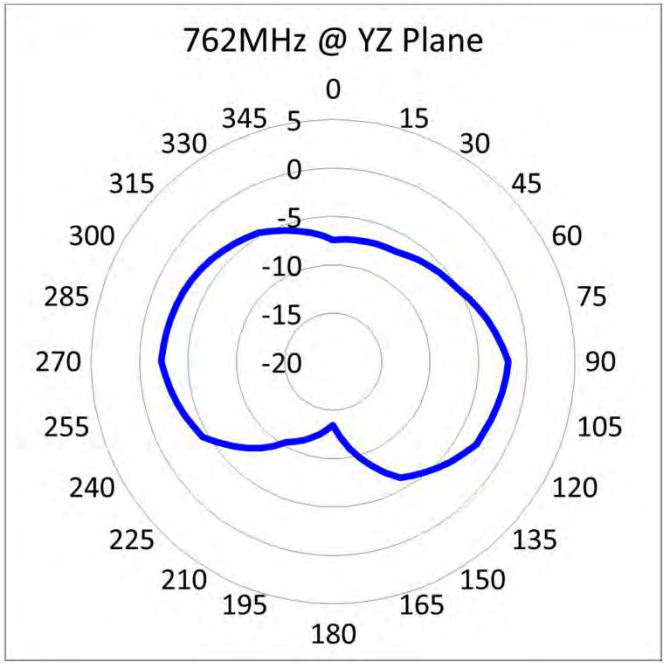




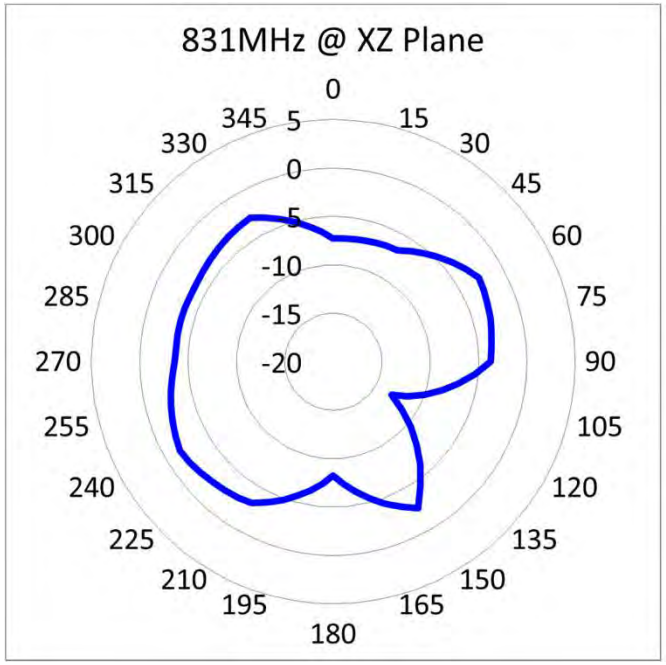
LTE Aux Antenna 2D Radiation Pattern 762 MHz (LTE)

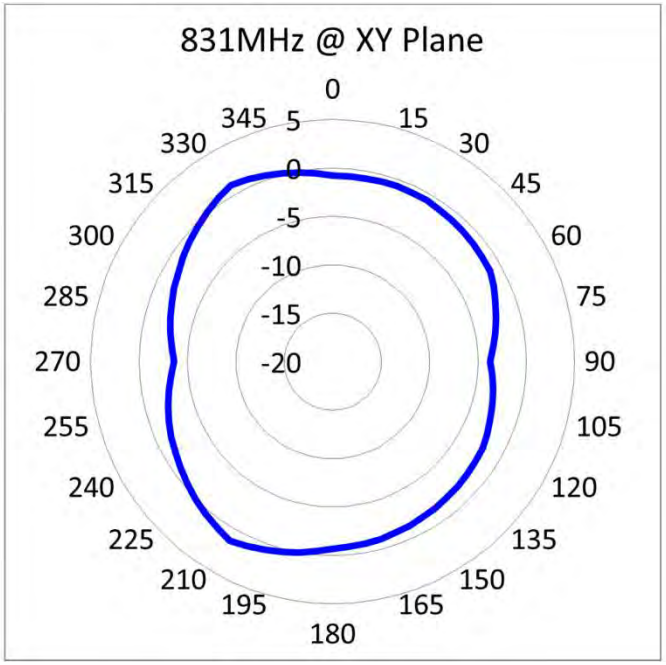


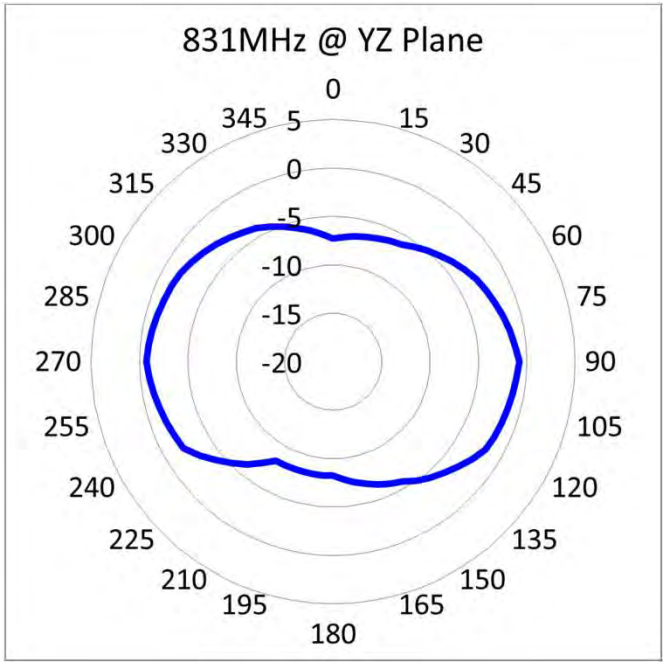




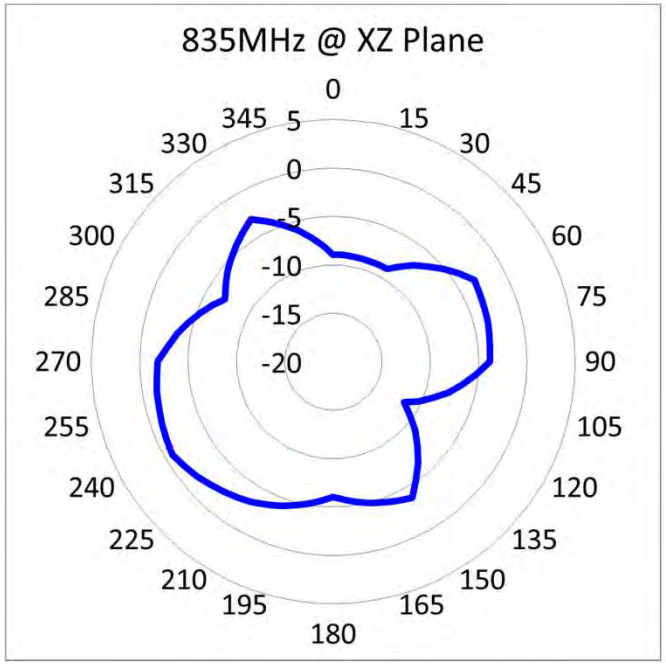
LTE Aux Antenna 2D Radiation Pattern 831 MHz (LTE)

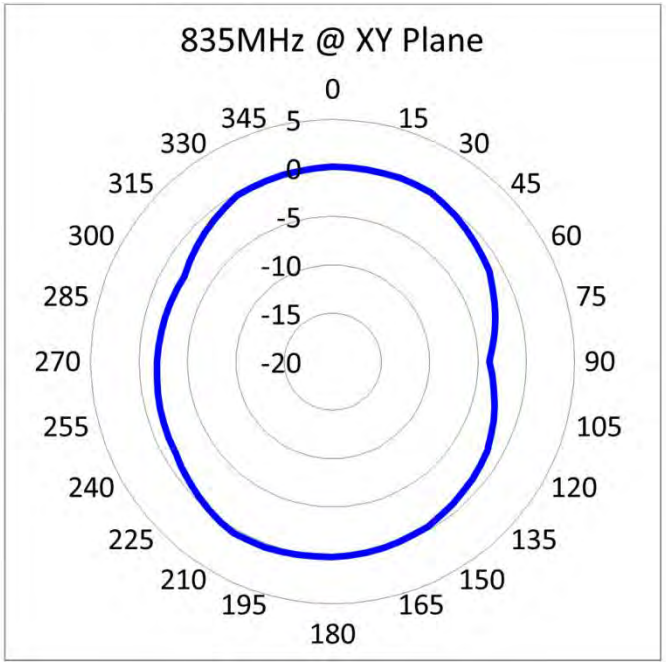


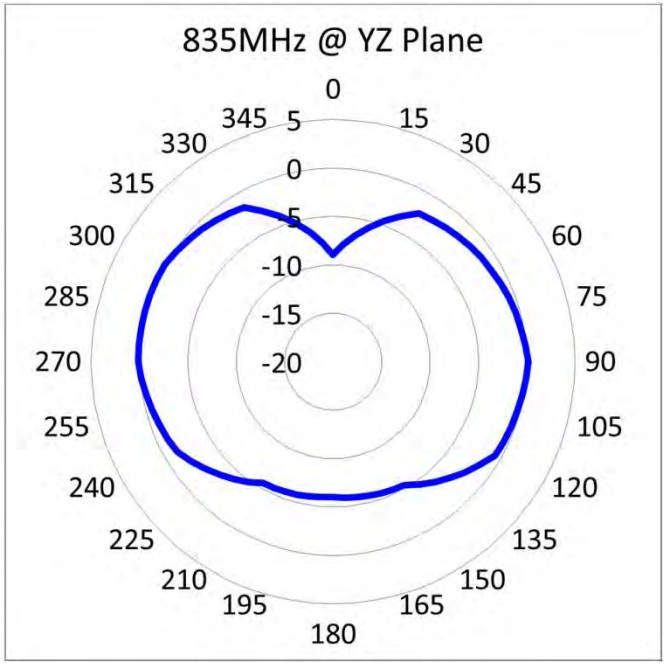




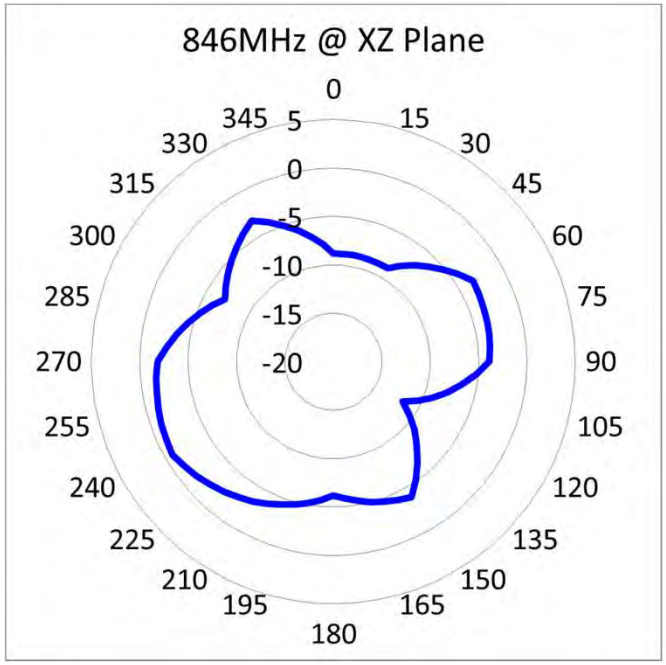
LTE Aux Antenna 2D Radiation Pattern 835 MHz (LTE)

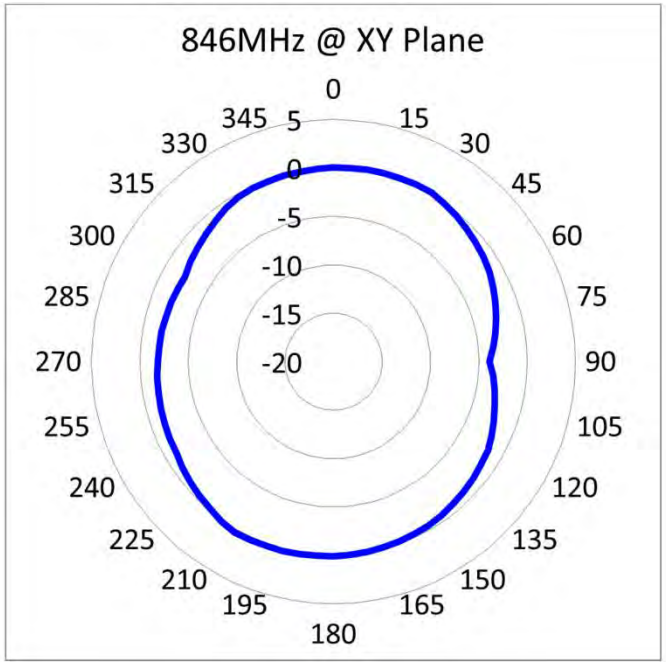


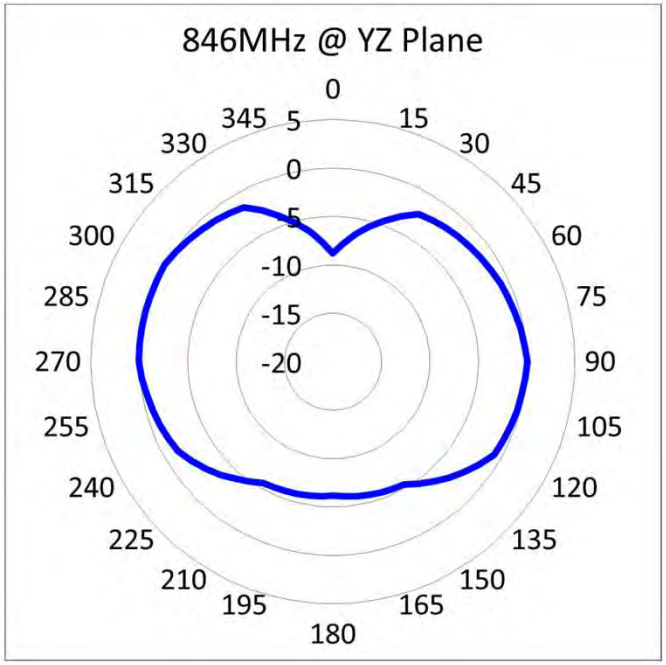




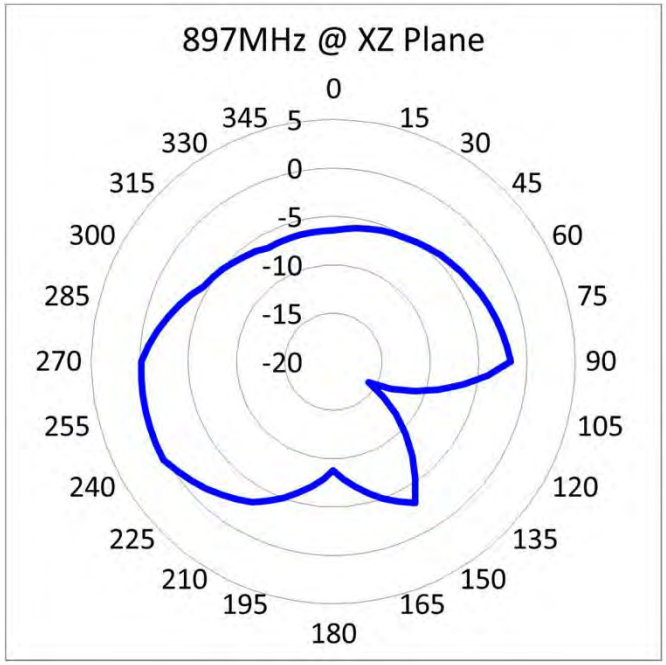
LTE Aux Antenna 2D Radiation Pattern 846 MHz (LTE)

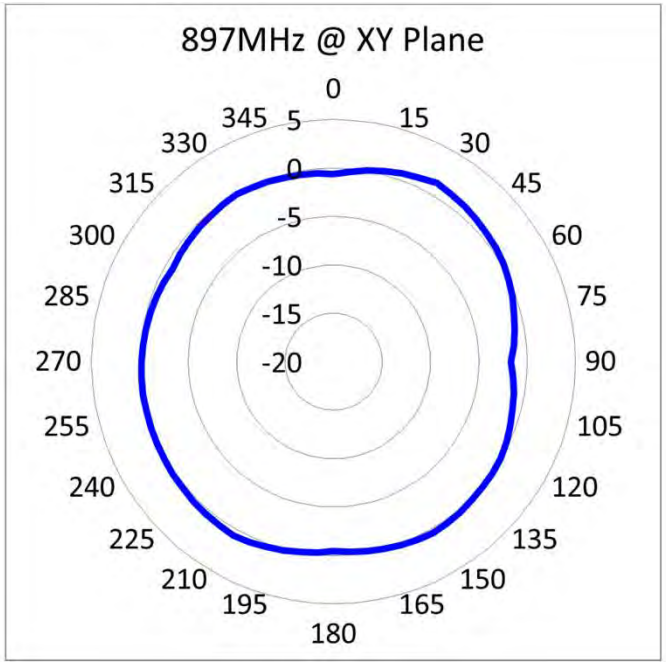


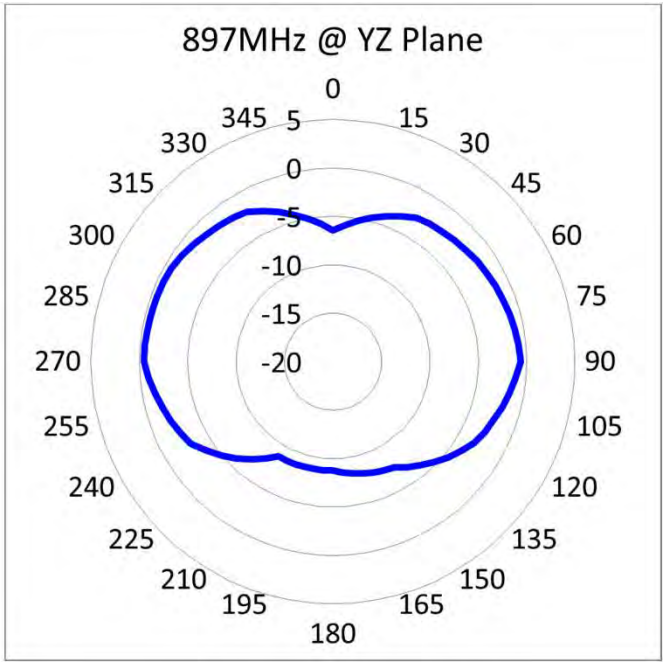




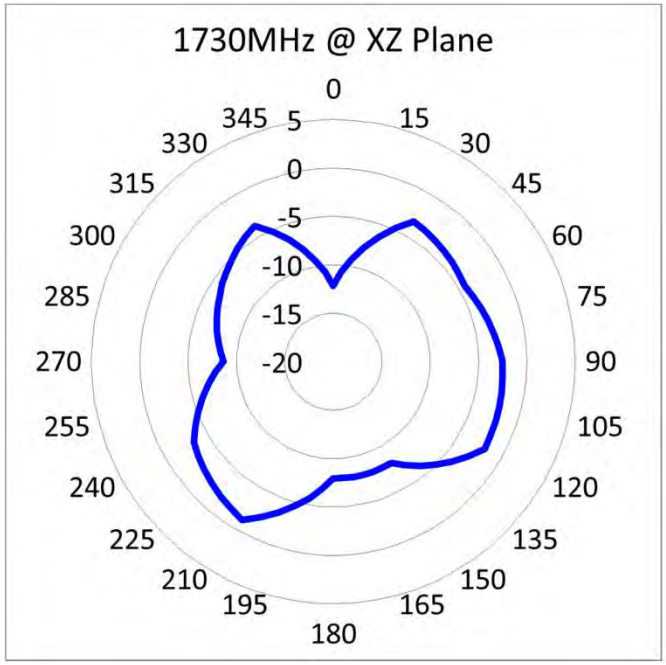
LTE Aux Antenna 2D Radiation Pattern 897 MHz (LTE)

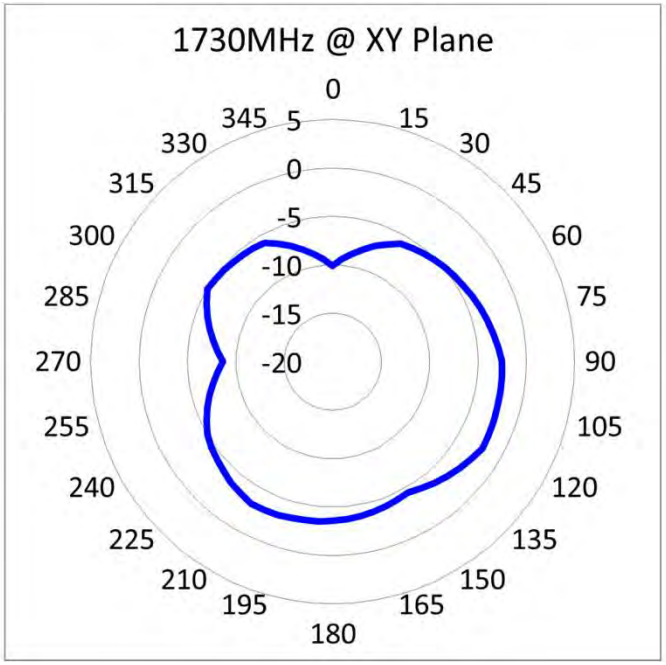


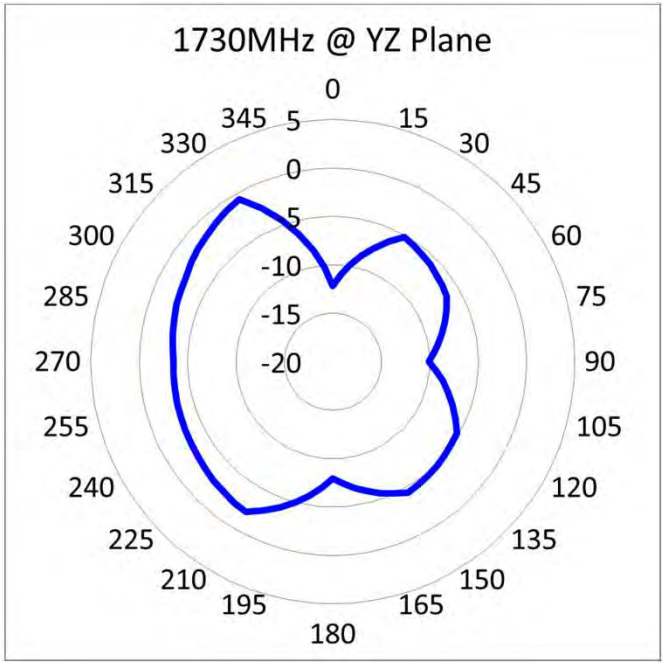




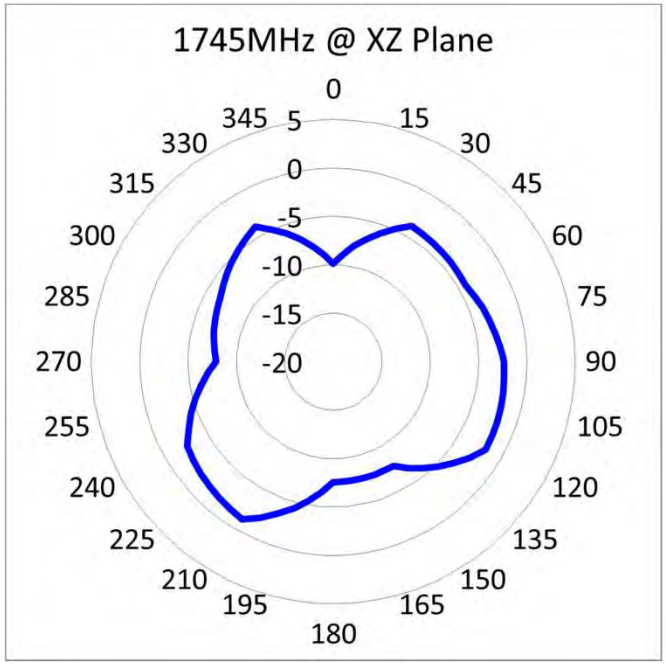
LTE Aux Antenna 2D Radiation Pattern 1730 MHz (LTE)

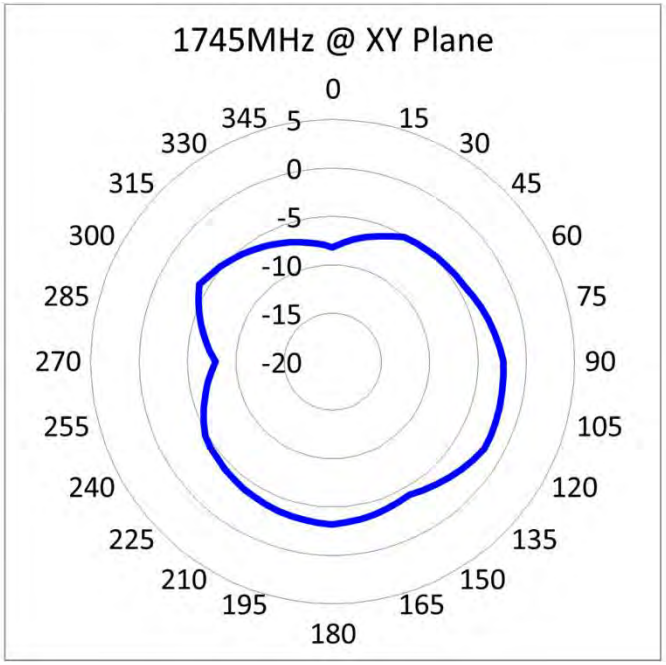


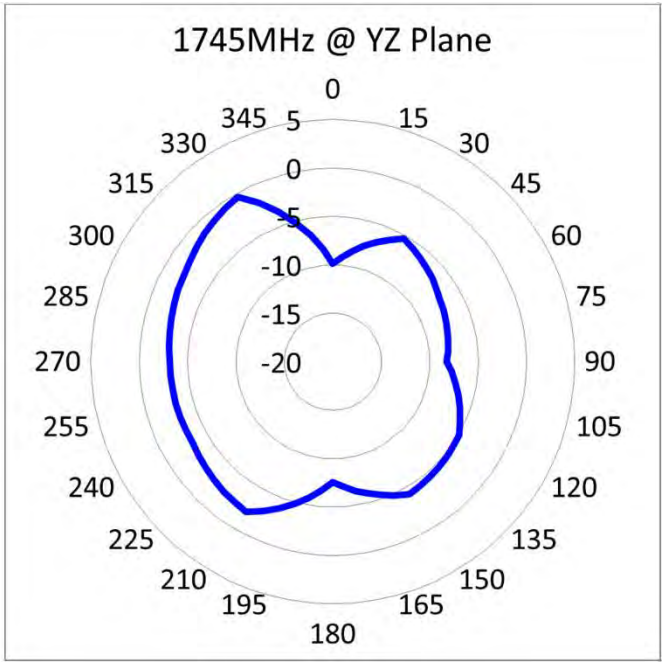




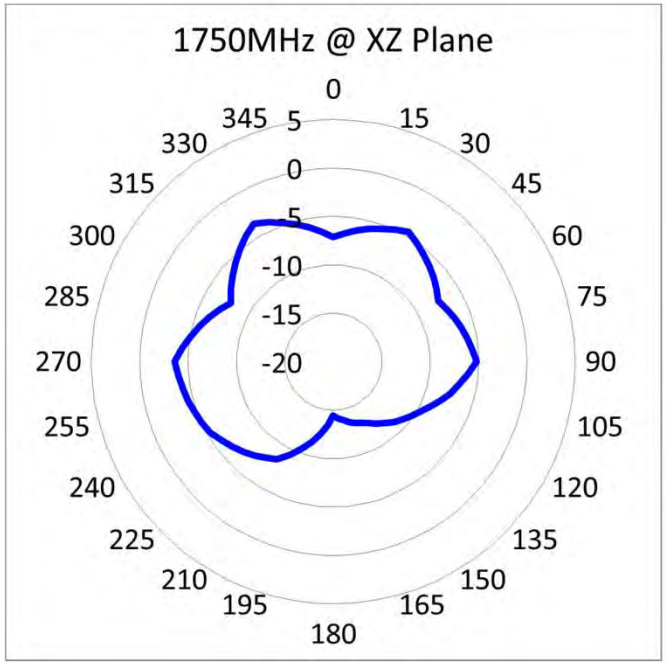
LTE Aux Antenna 2D Radiation Pattern 1745 MHz (LTE)

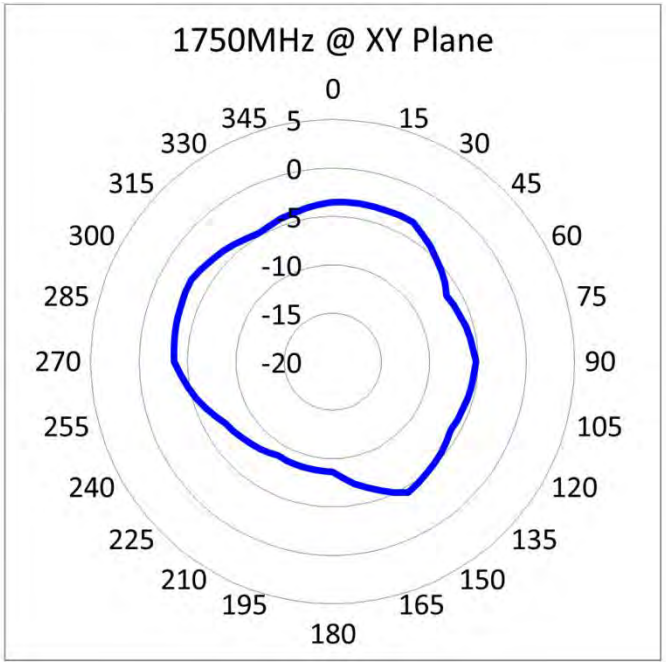


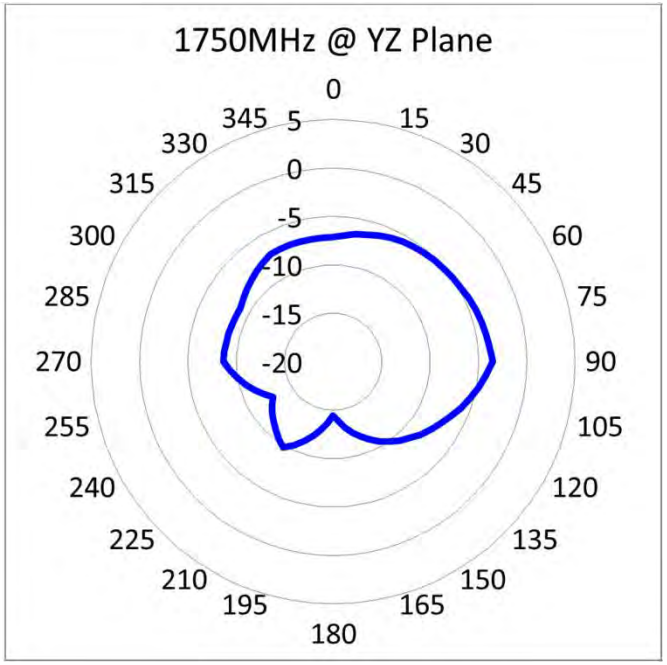




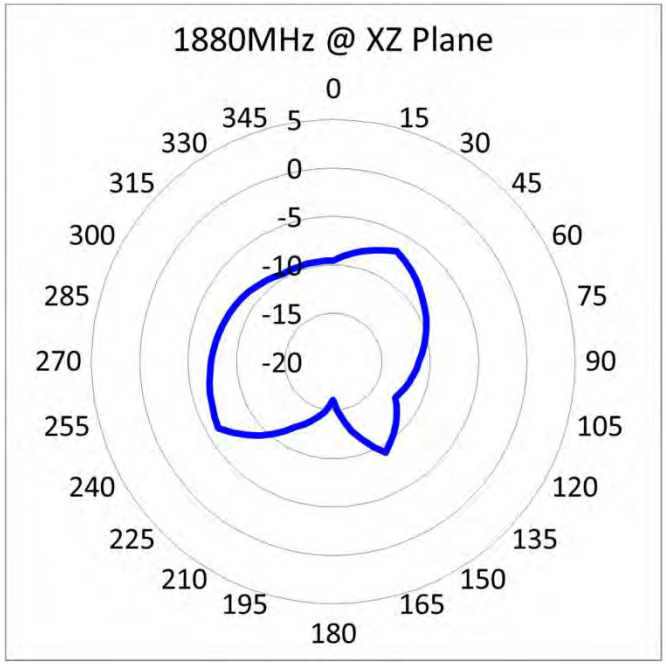
LTE Aux Antenna 2D Radiation Pattern 1750 MHz (LTE)

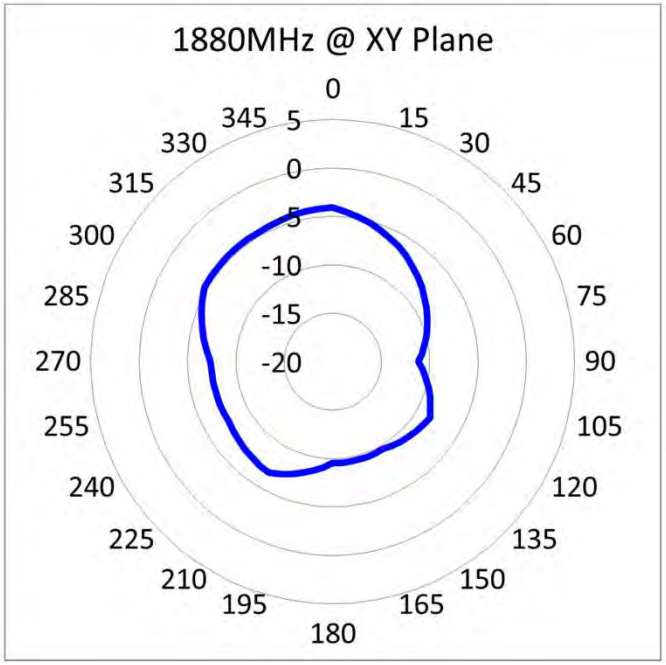


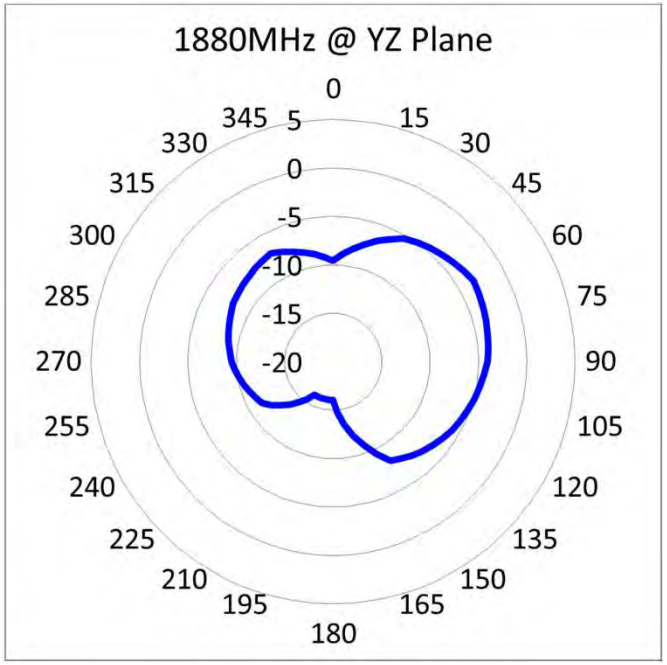




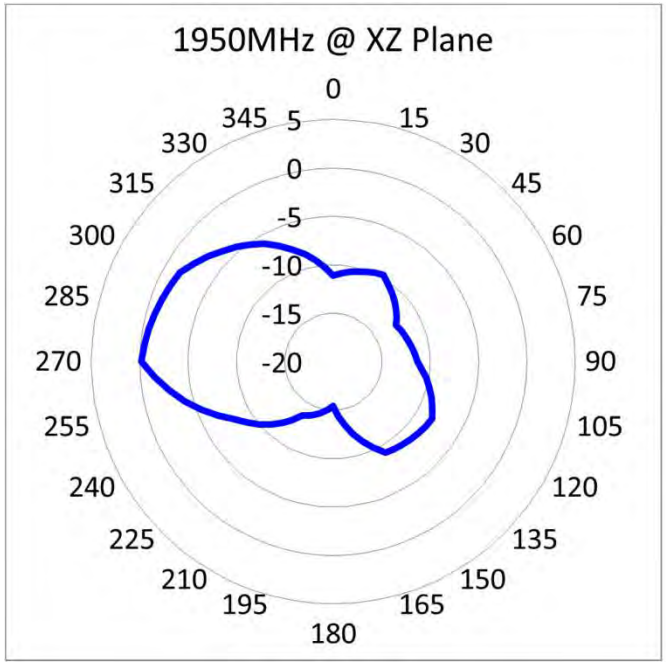
LTE Aux Antenna 2D Radiation Pattern 1880 MHz (LTE)

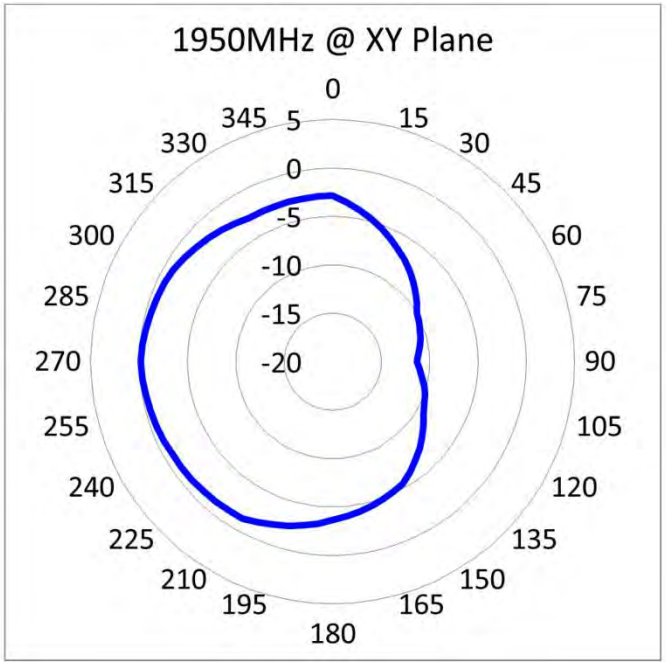


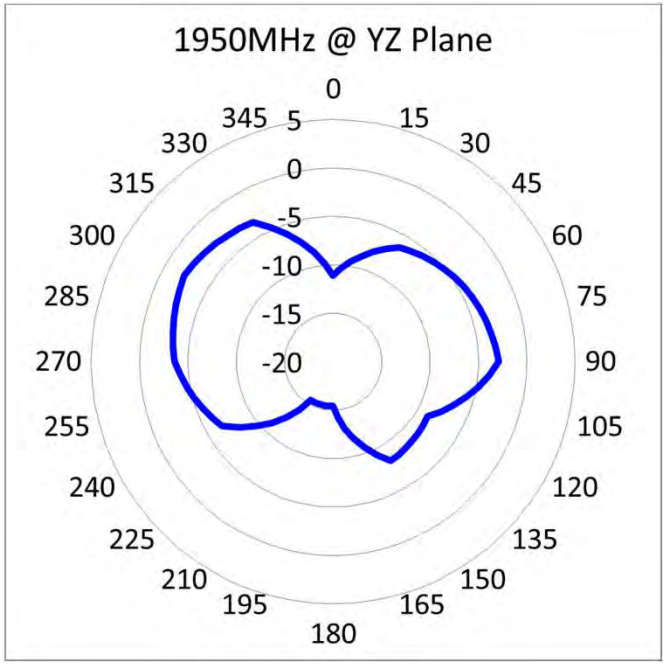




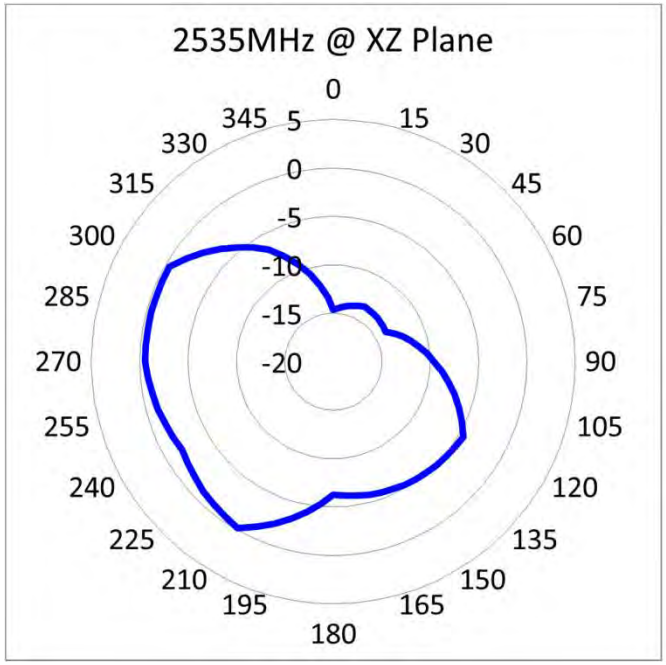
LTE Aux Antenna 2D Radiation Pattern 1950 MHz (LTE)

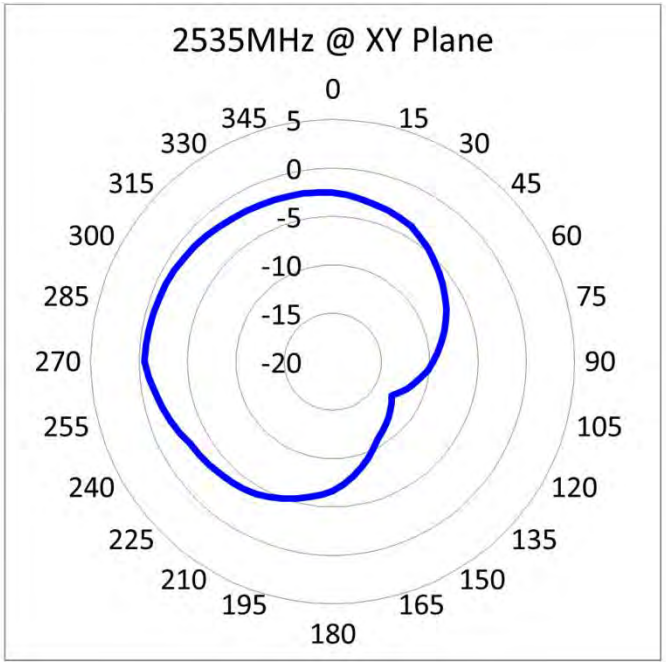


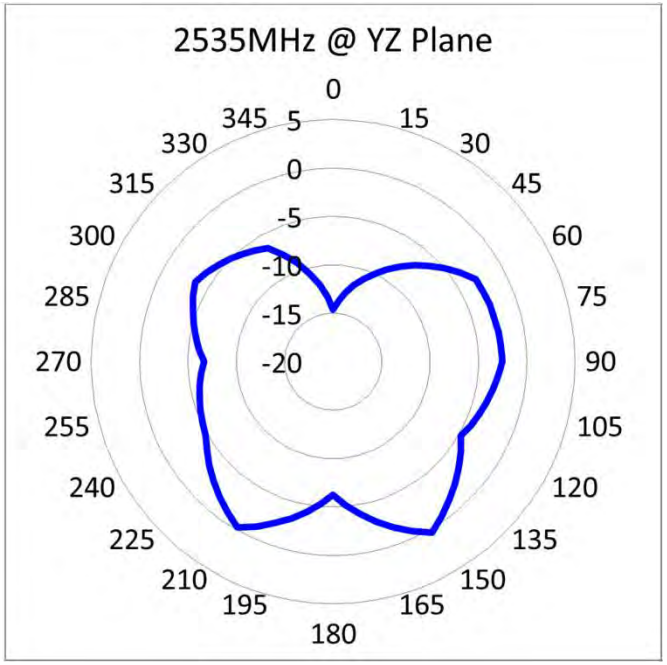




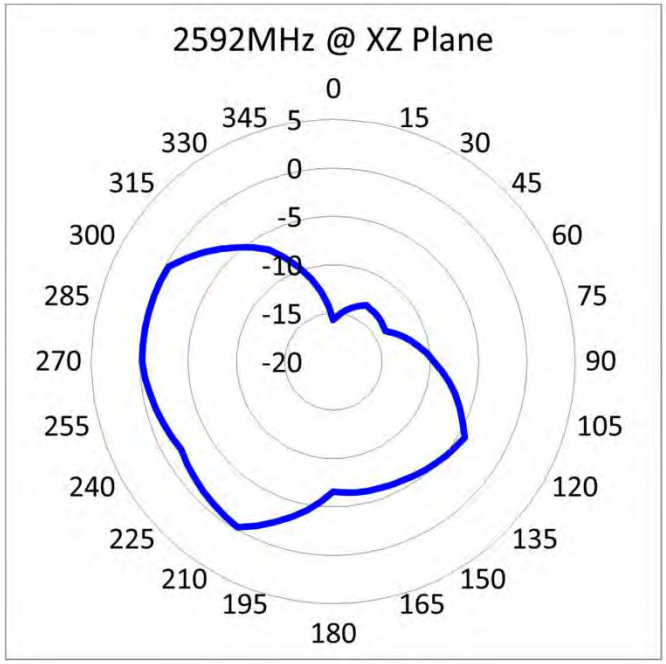
LTE Aux Antenna 2D Radiation Pattern 2535 MHz (LTE)

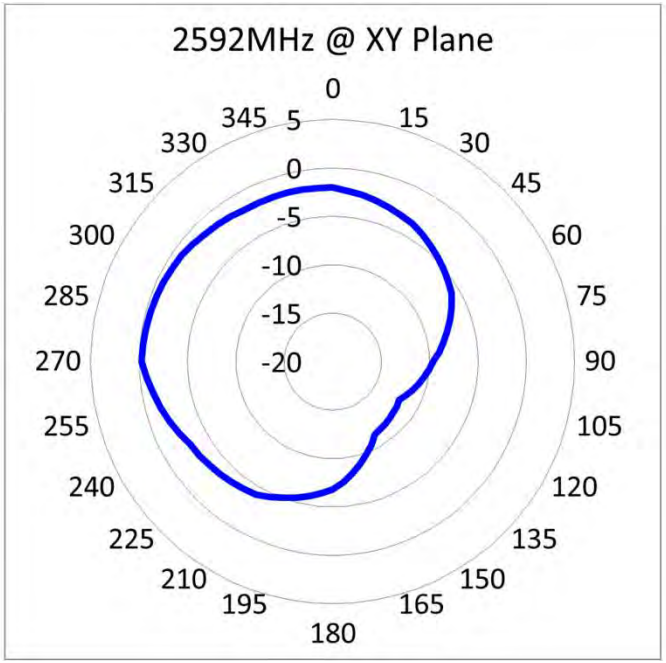


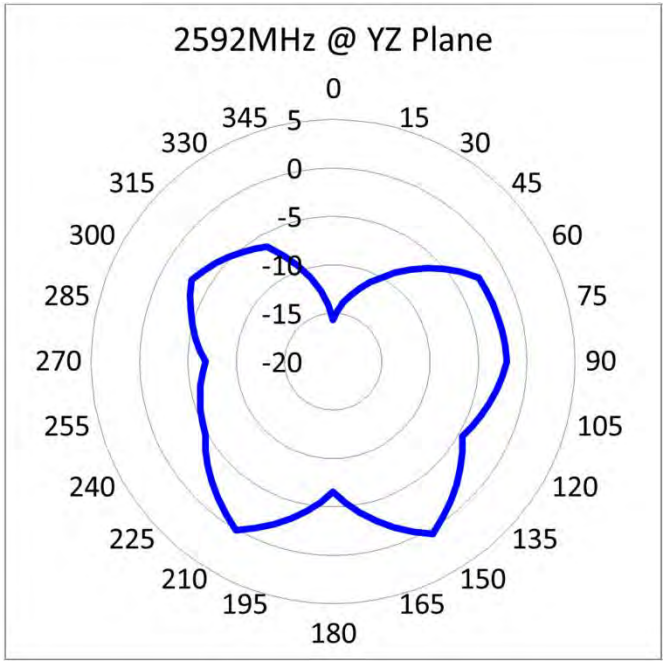




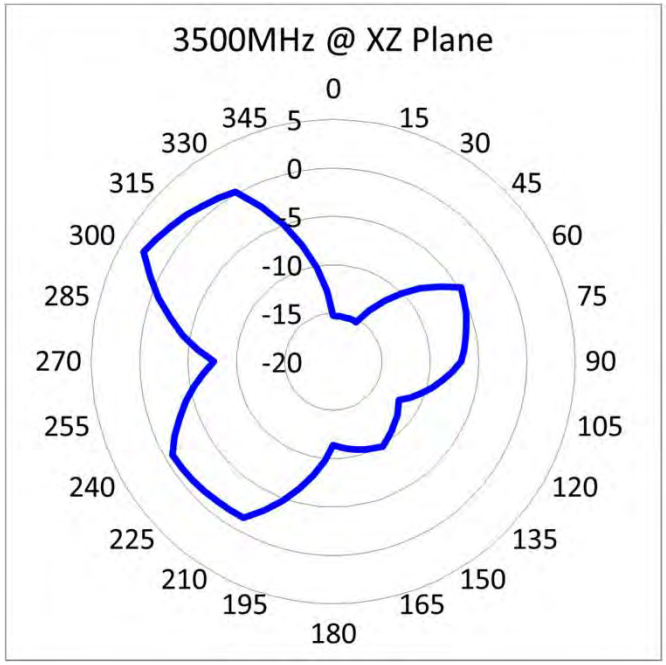
LTE Aux Antenna 2D Radiation Pattern 2592 MHz (LTE)

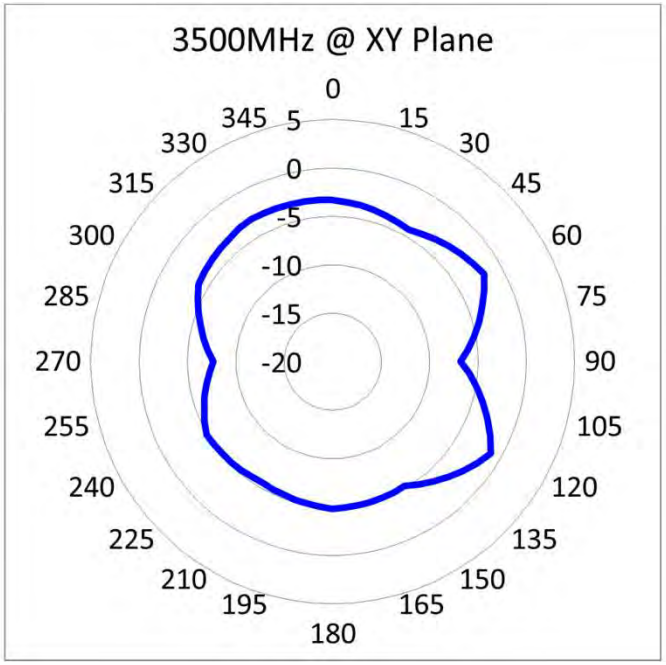


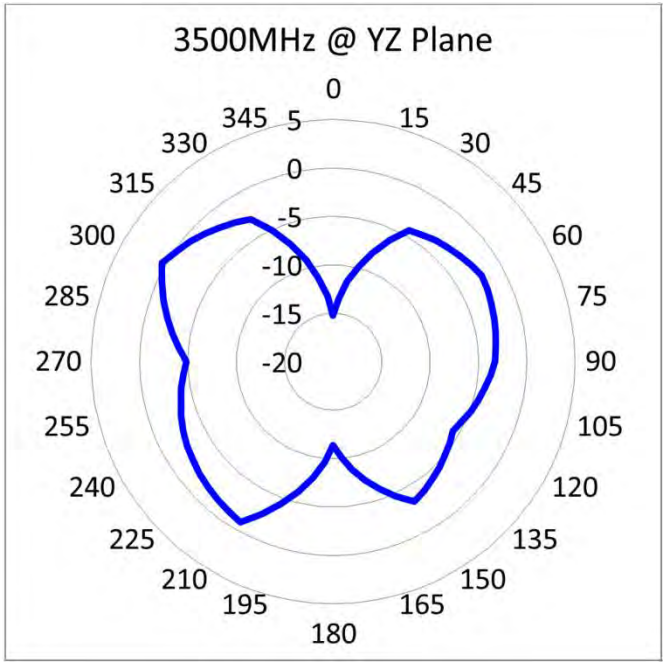




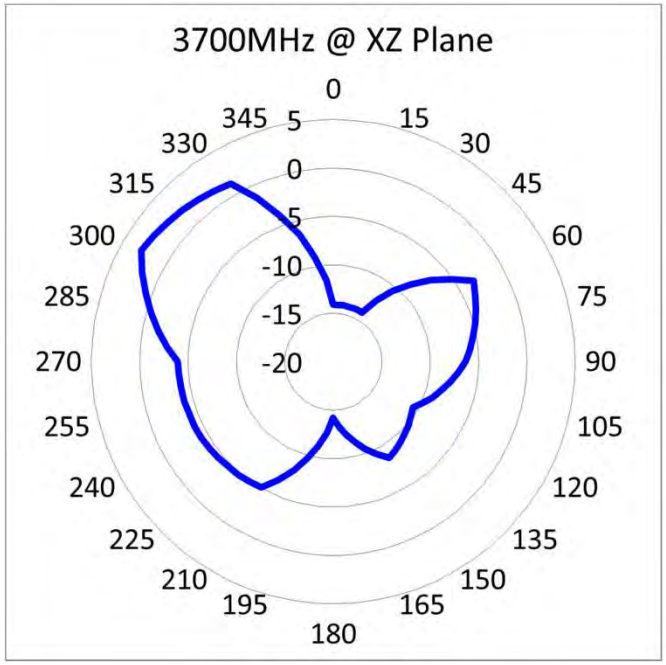
LTE Aux Antenna 2D Radiation Pattern 3500 MHz (LTE)

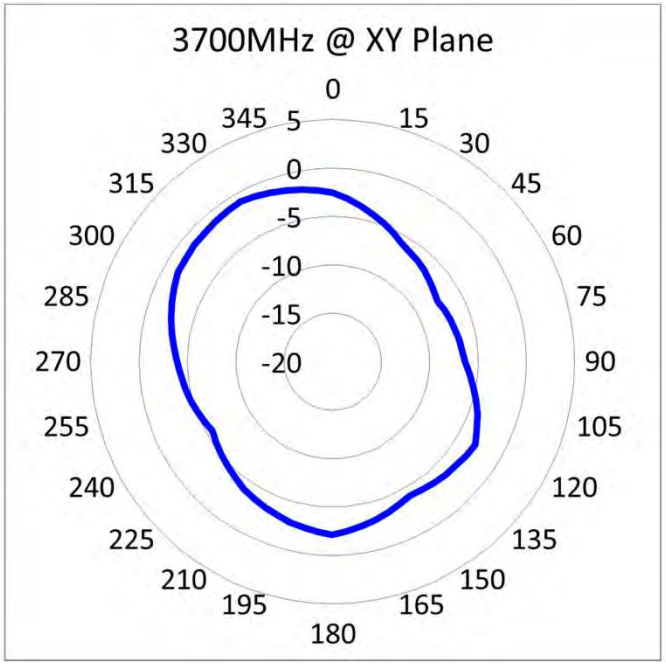


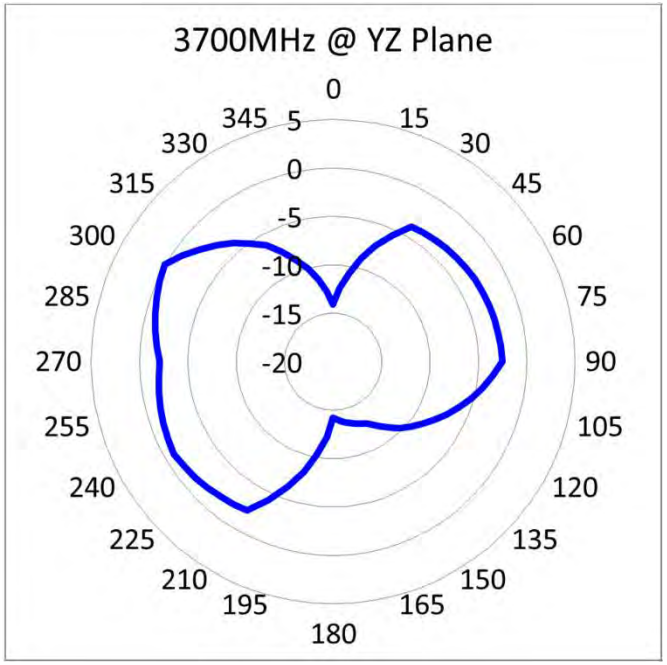




LTE Aux Antenna 2D Radiation Pattern 3700 MHz (LTE)

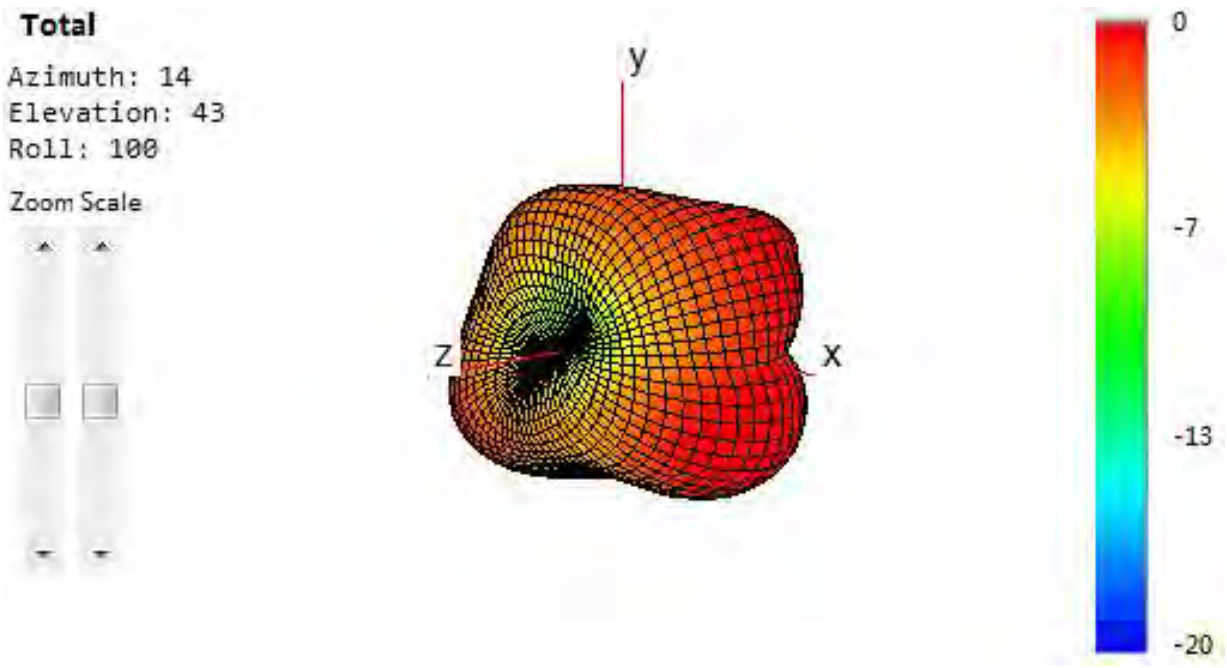






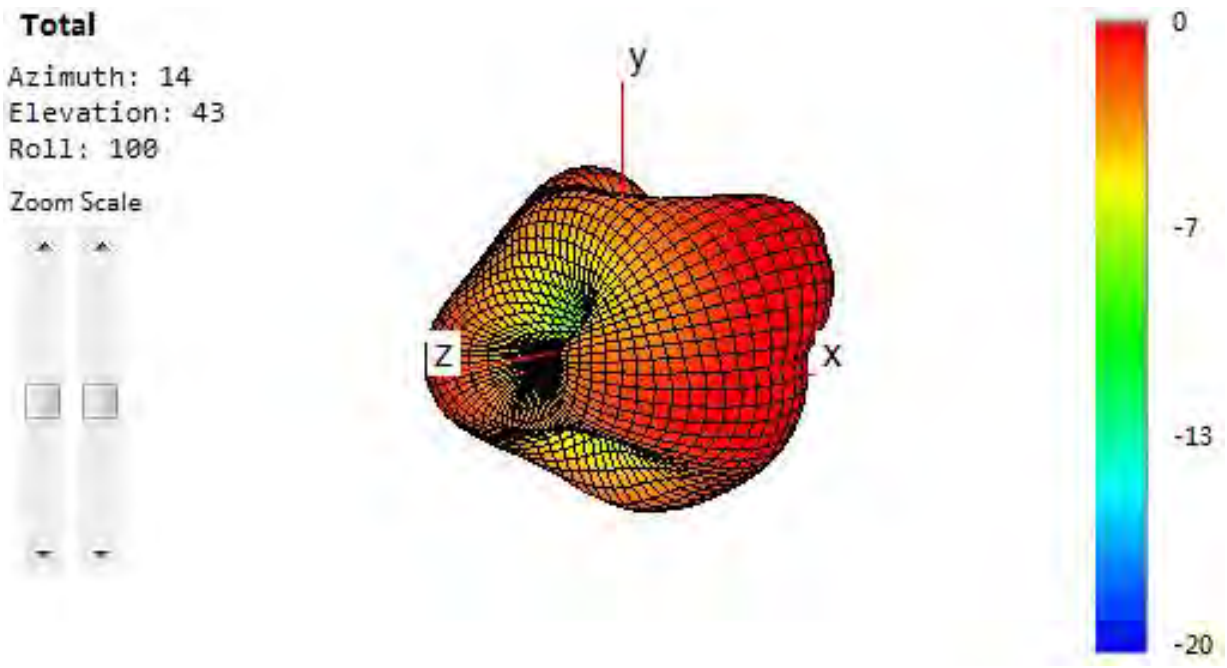
LTE Aux Antenna 3D Radiation Pattern 832 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
832	1.31



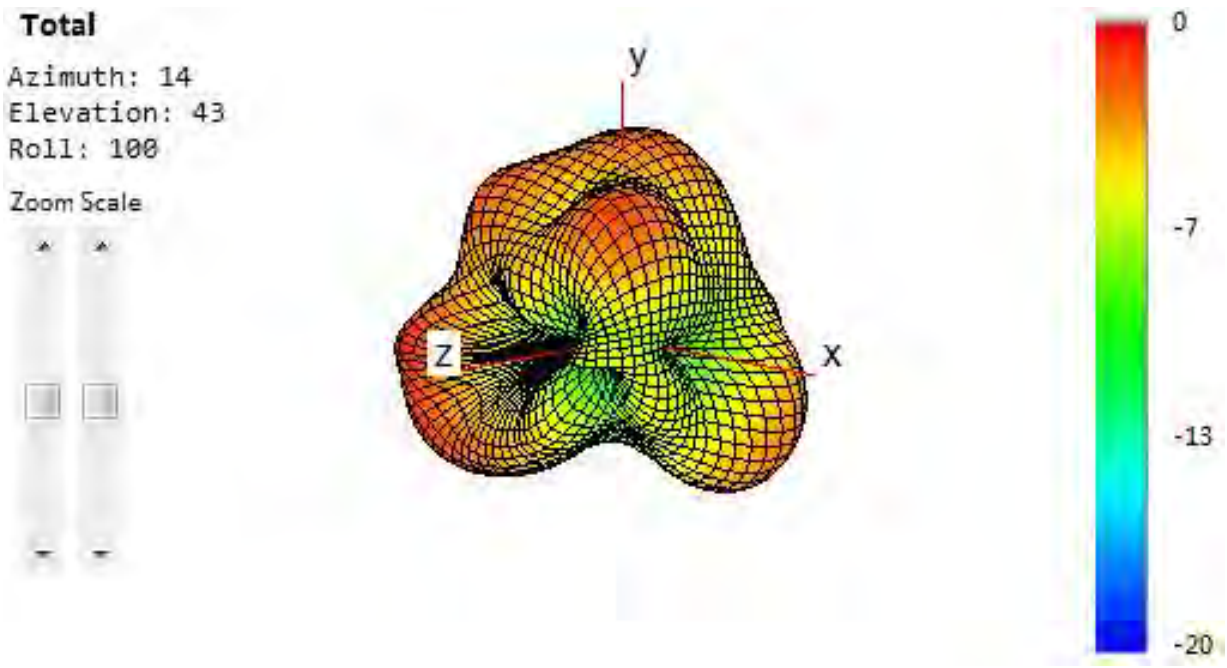
LTE Aux Antenna 3D Radiation Pattern 897 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
897	1.64



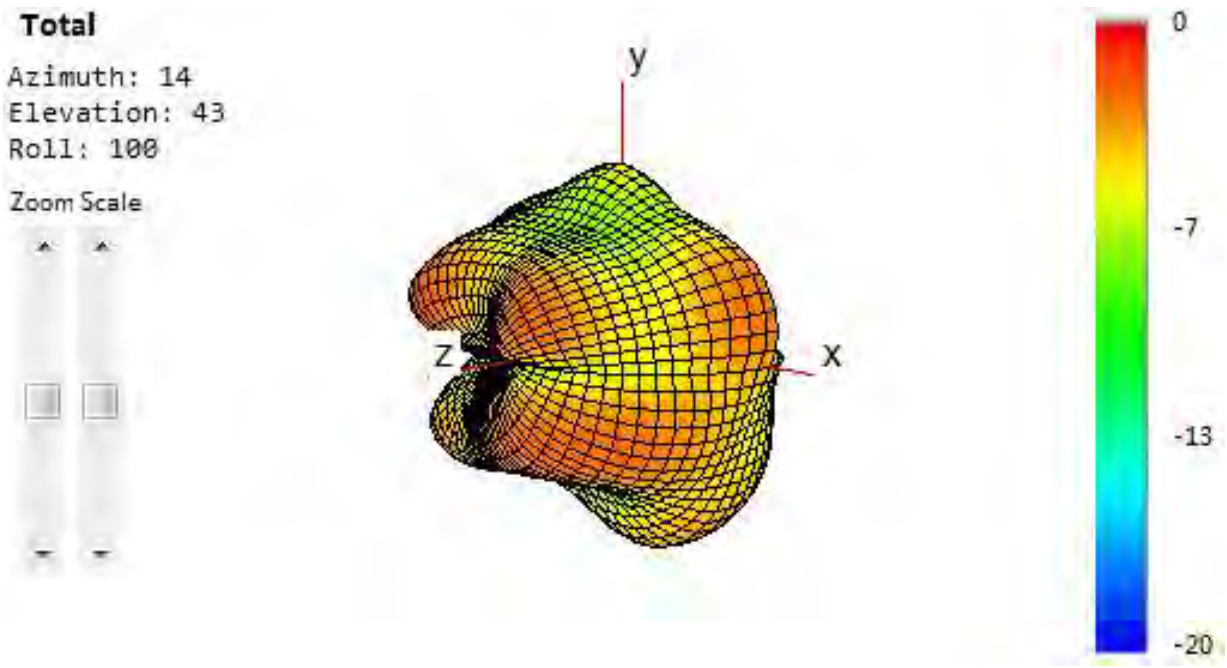
LTE Aux Antenna 3D Radiation Pattern 1732 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1732	-0.57



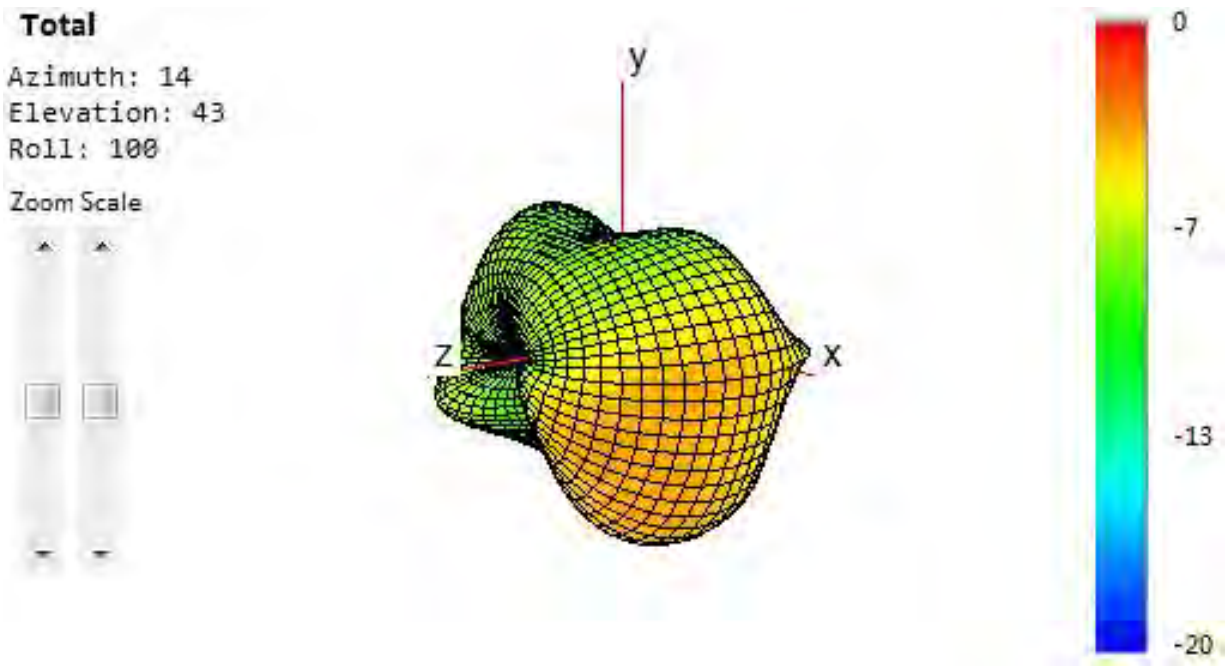
LTE Aux Antenna 3D Radiation Pattern 1747 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1747	-1.81



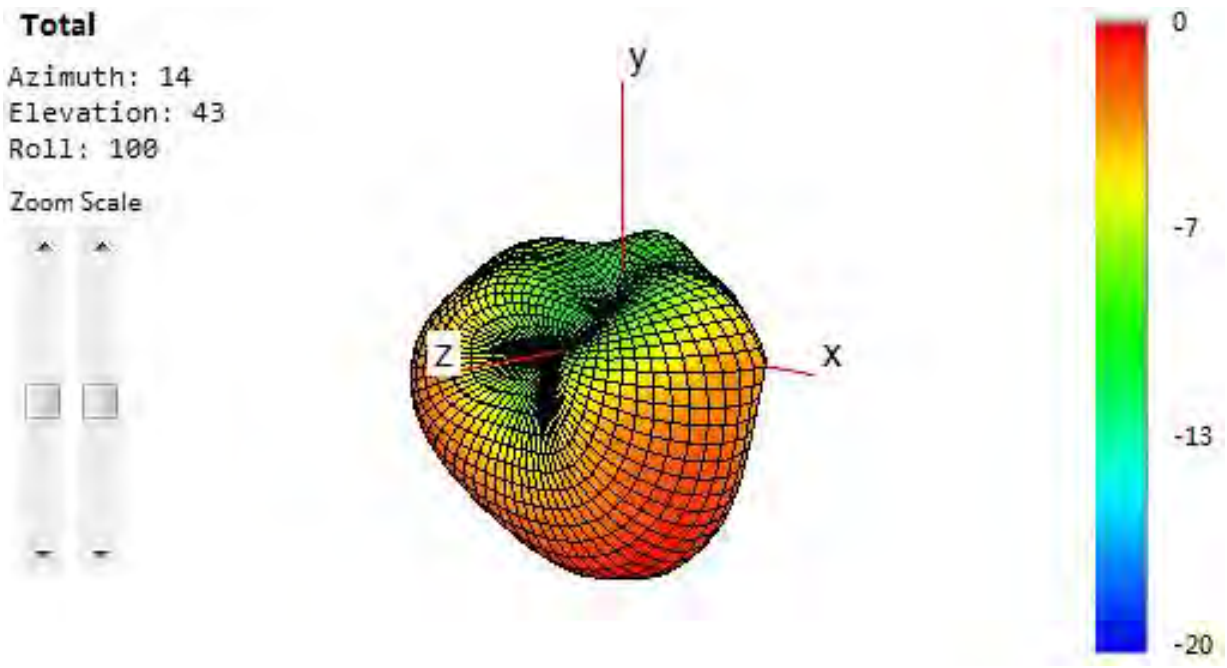
LTE Aux Antenna 3D Radiation Pattern 1877 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1877	-3.29



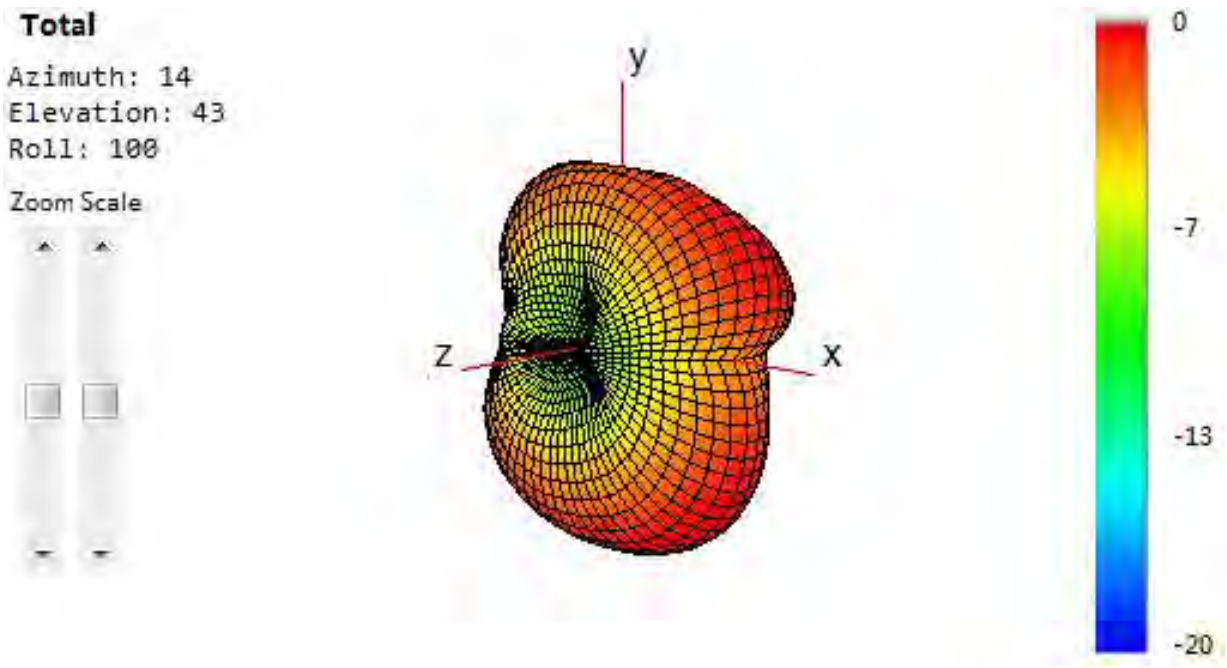
LTE Aux Antenna 3D Radiation Pattern 1950 MHz (WCDMA)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1950	-0.14



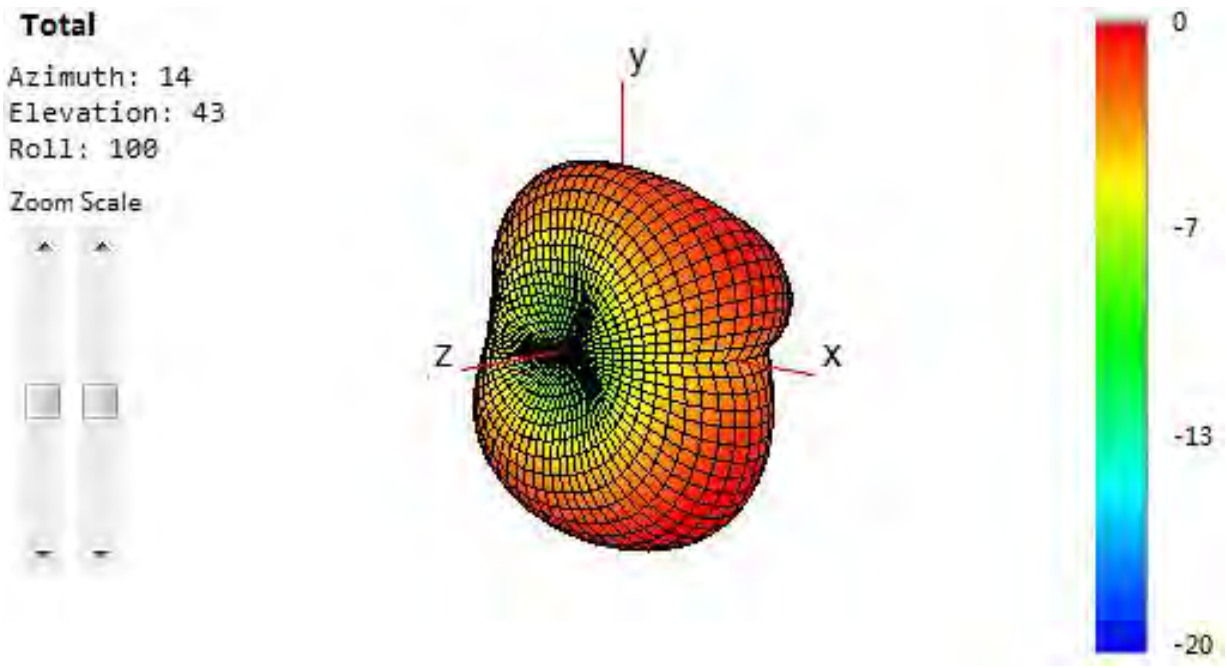
LTE Aux Antenna 3D Radiation Pattern 707 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
707	0.93



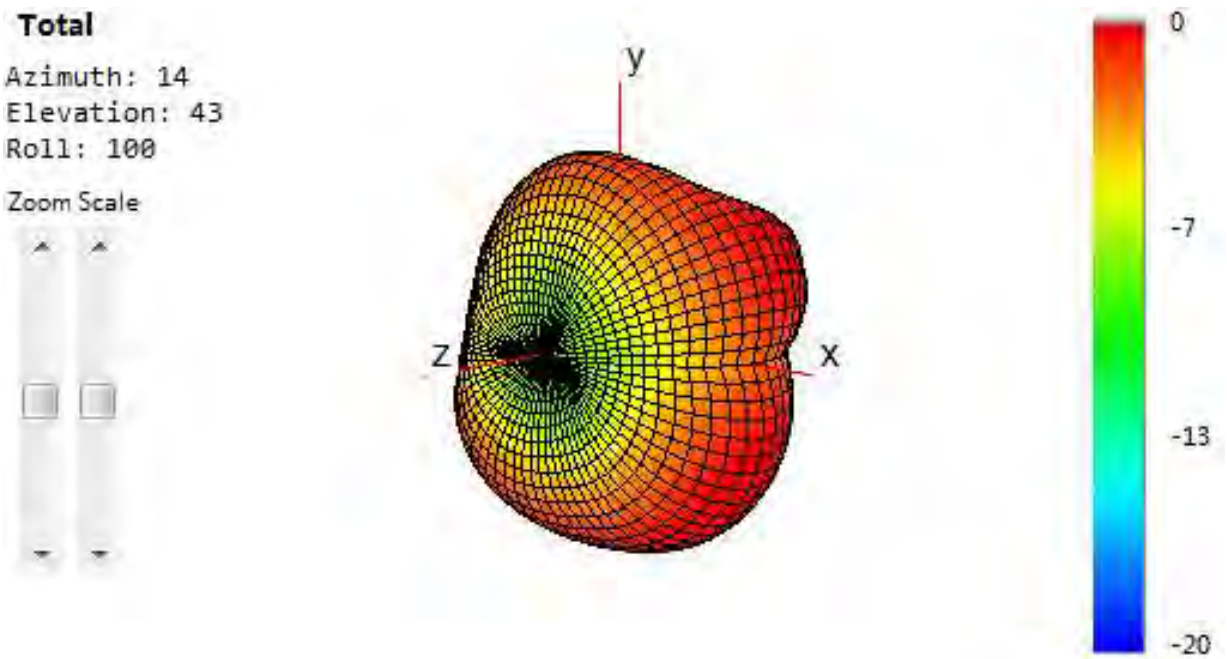
LTE Aux Antenna 3D Radiation Pattern 725 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
725	1.18



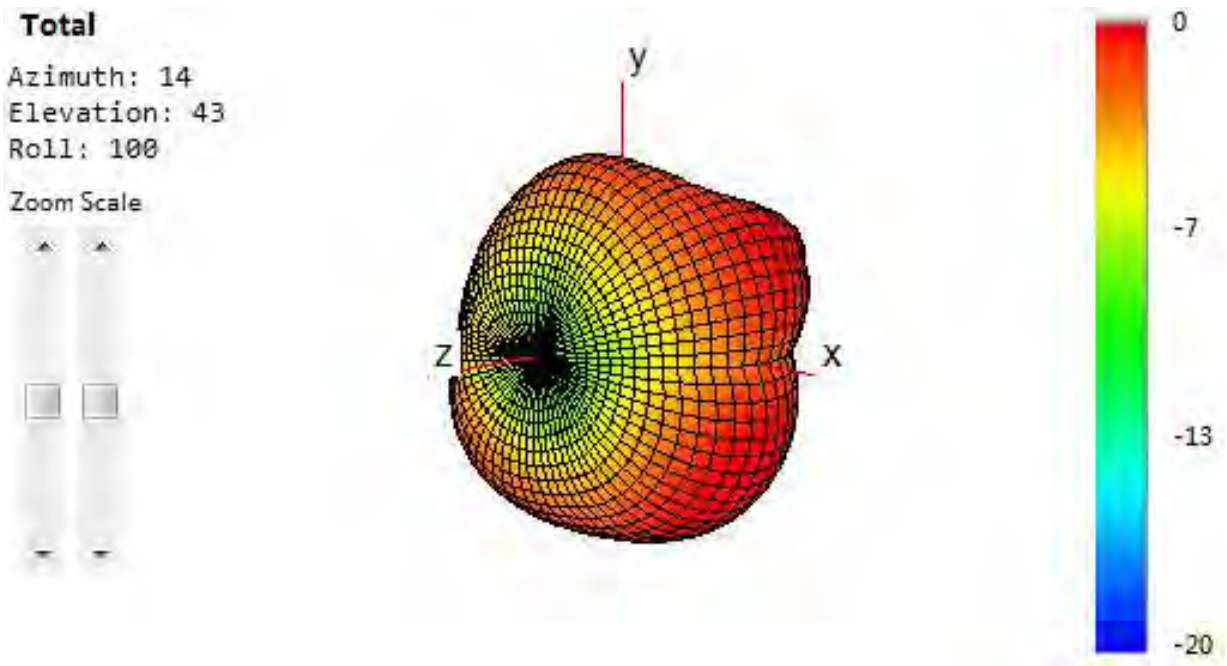
LTE Aux Antenna 3D Radiation Pattern 750 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
750	1.36



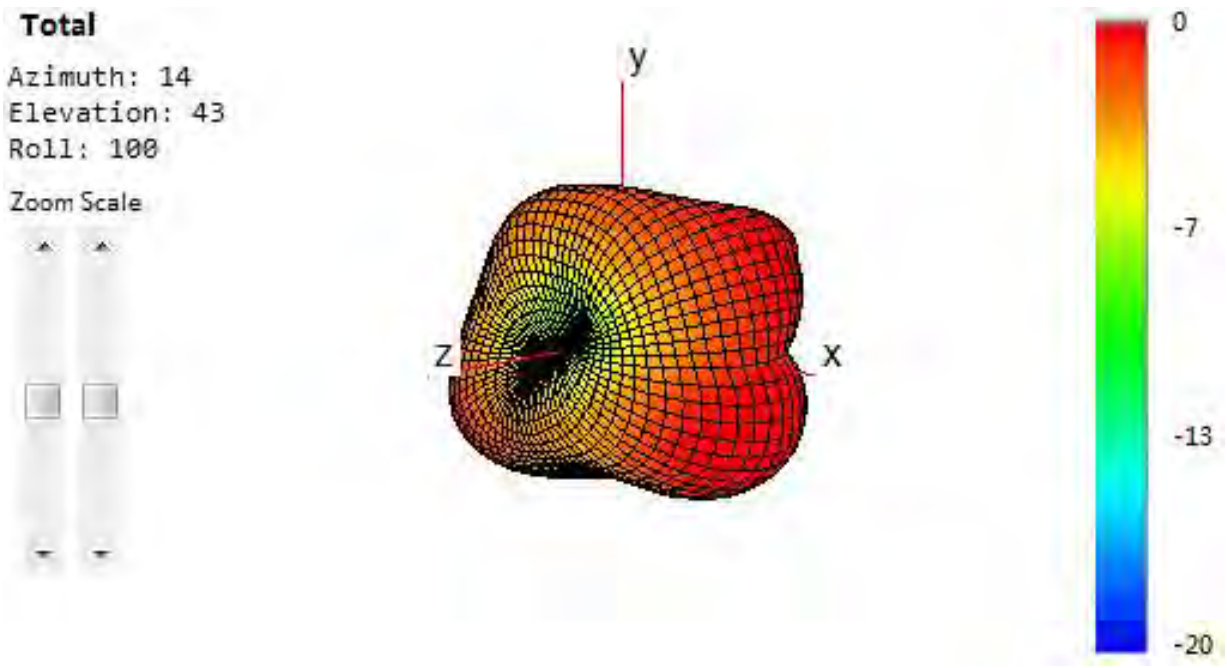
LTE Aux Antenna 3D Radiation Pattern 762 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
762	1.01



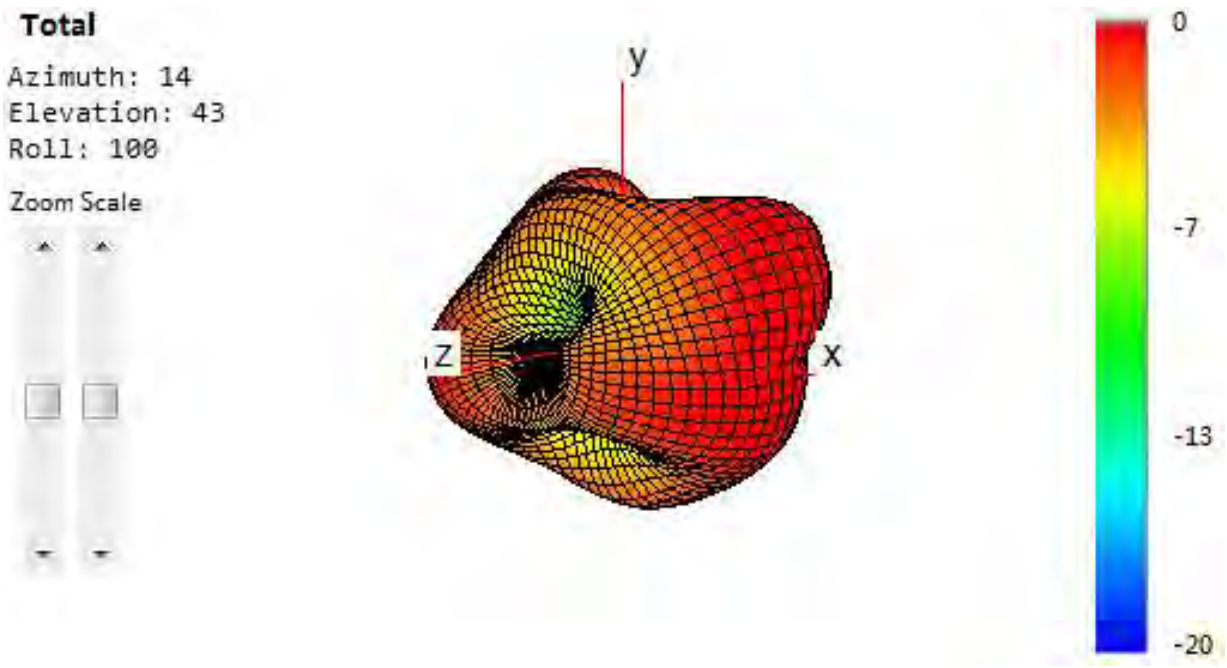
LTE Aux Antenna 3D Radiation Pattern 831 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
831	1.31



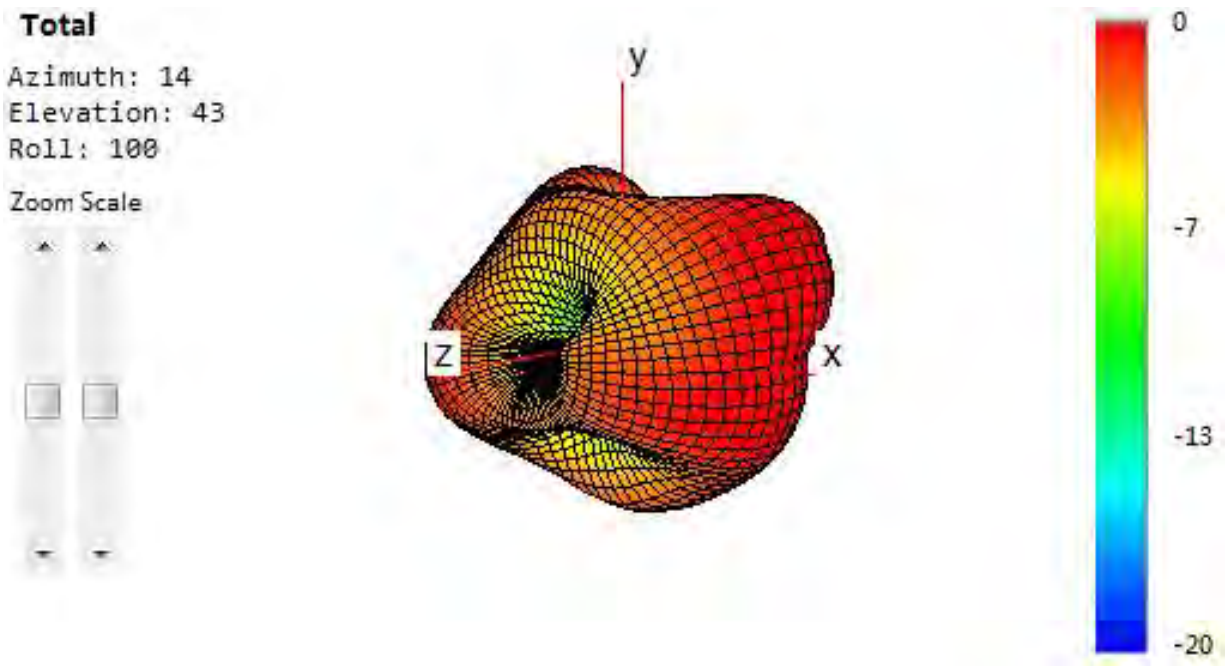
LTE Aux Antenna 3D Radiation Pattern 835 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
835	1.65



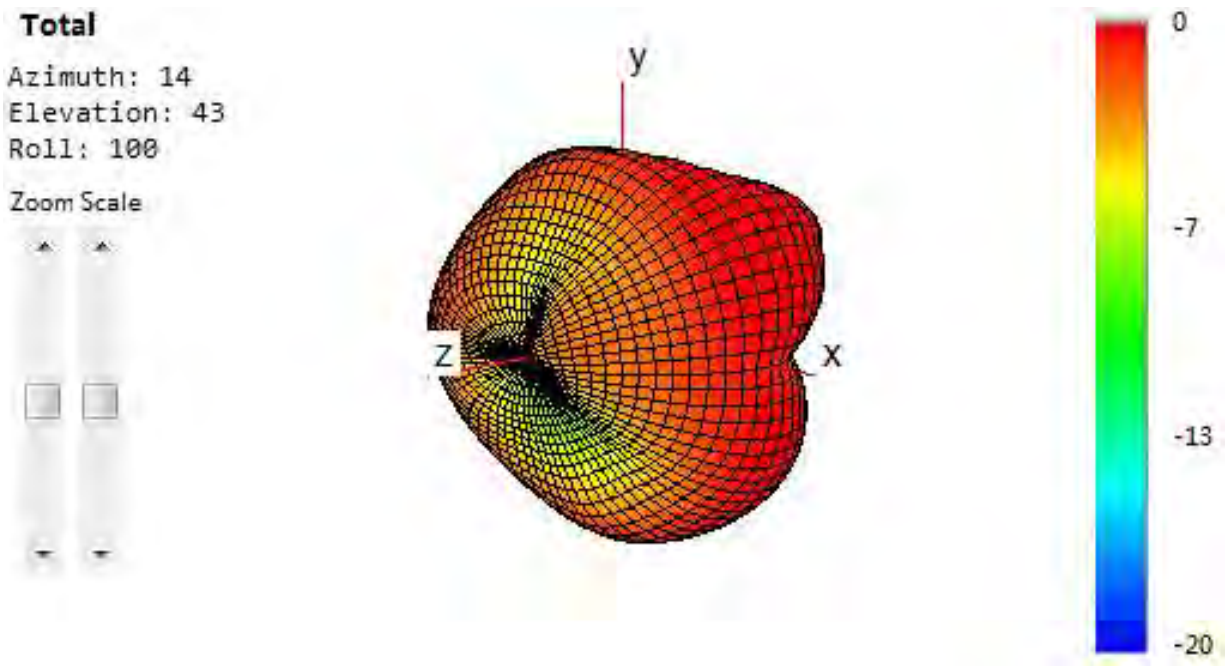
LTE Aux Antenna 3D Radiation Pattern 846 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
846	1.64



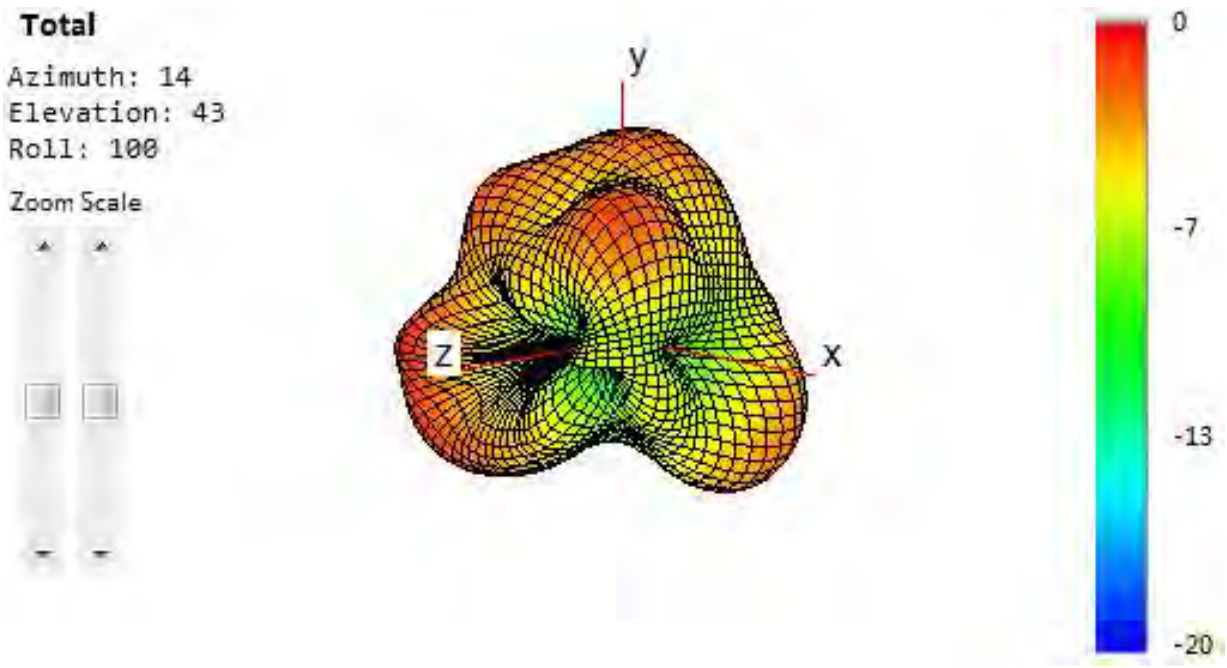
LTE Aux Antenna 3D Radiation Pattern 897 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
897	1.29



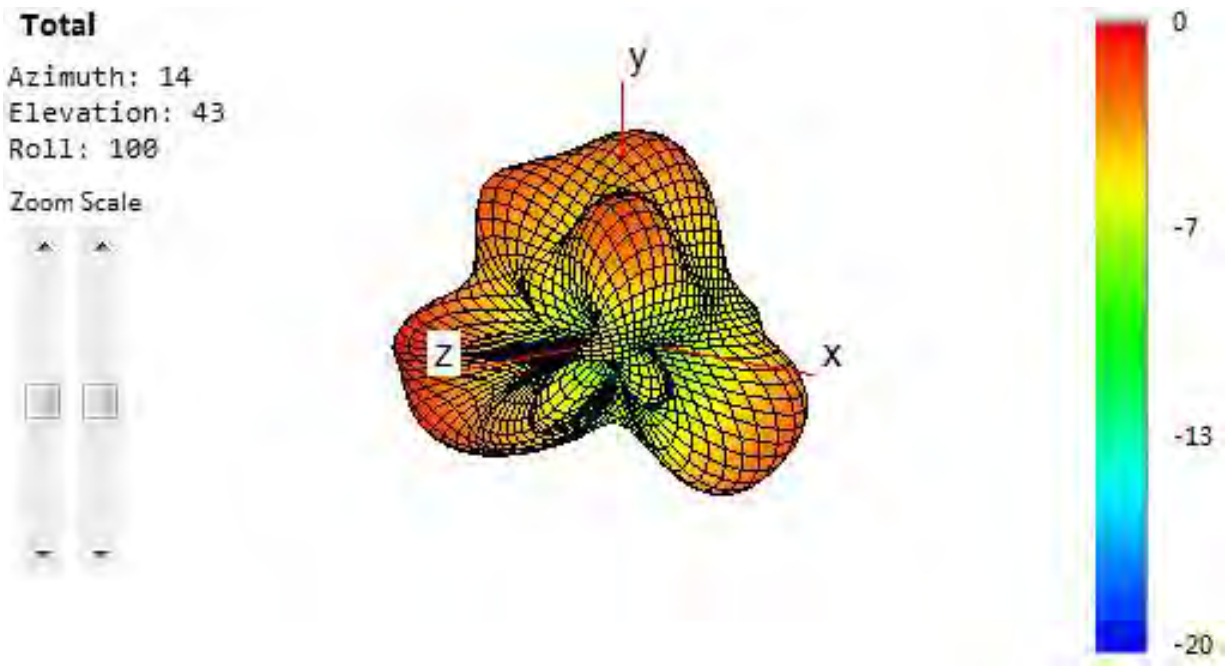
LTE Aux Antenna 3D Radiation Pattern 1730 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1730	-0.57



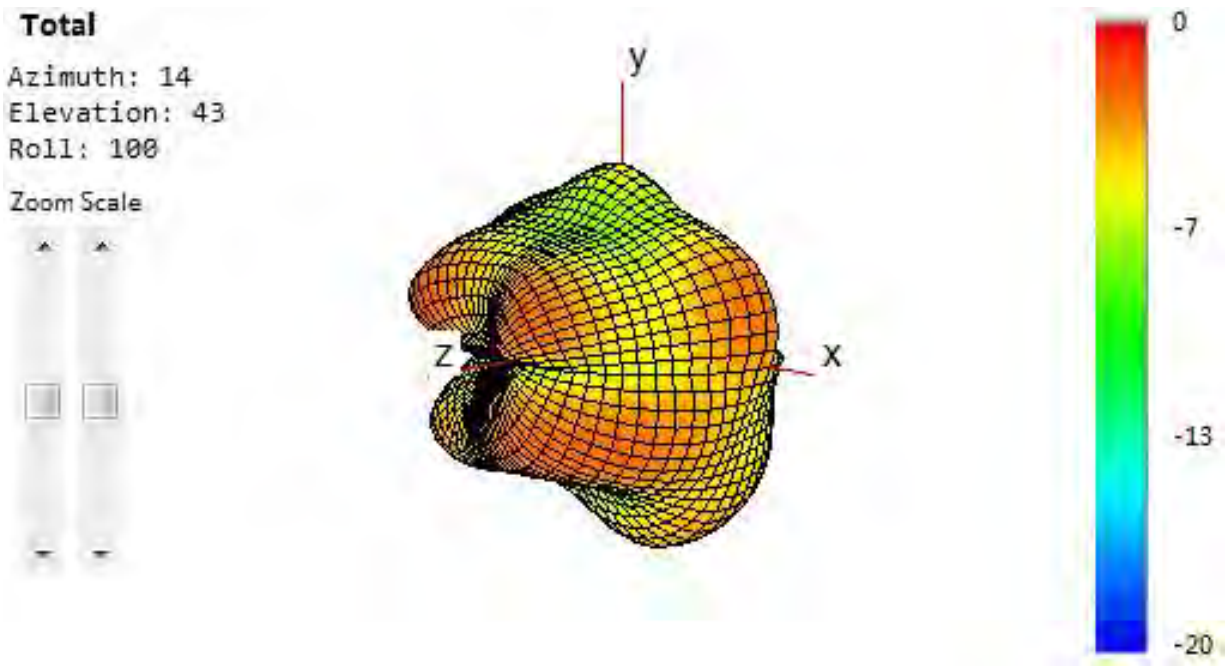
LTE Aux Antenna 3D Radiation Pattern 1745 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1745	-0.36



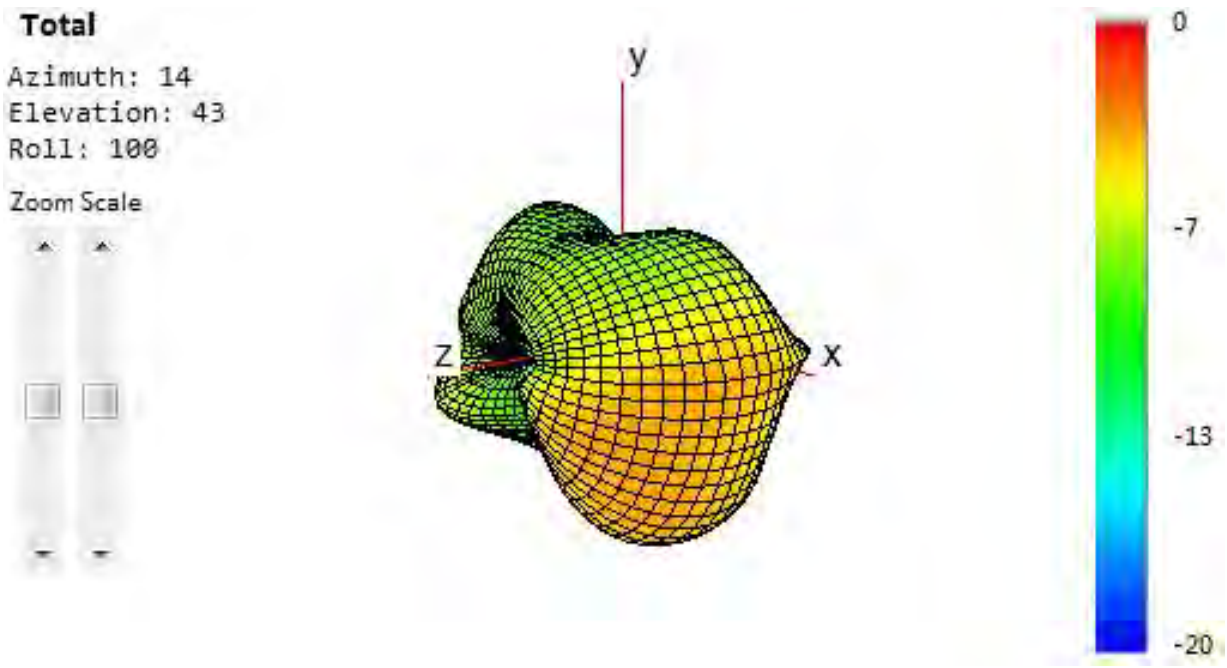
LTE Aux Antenna 3D Radiation Pattern 1750 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1750	-1.81



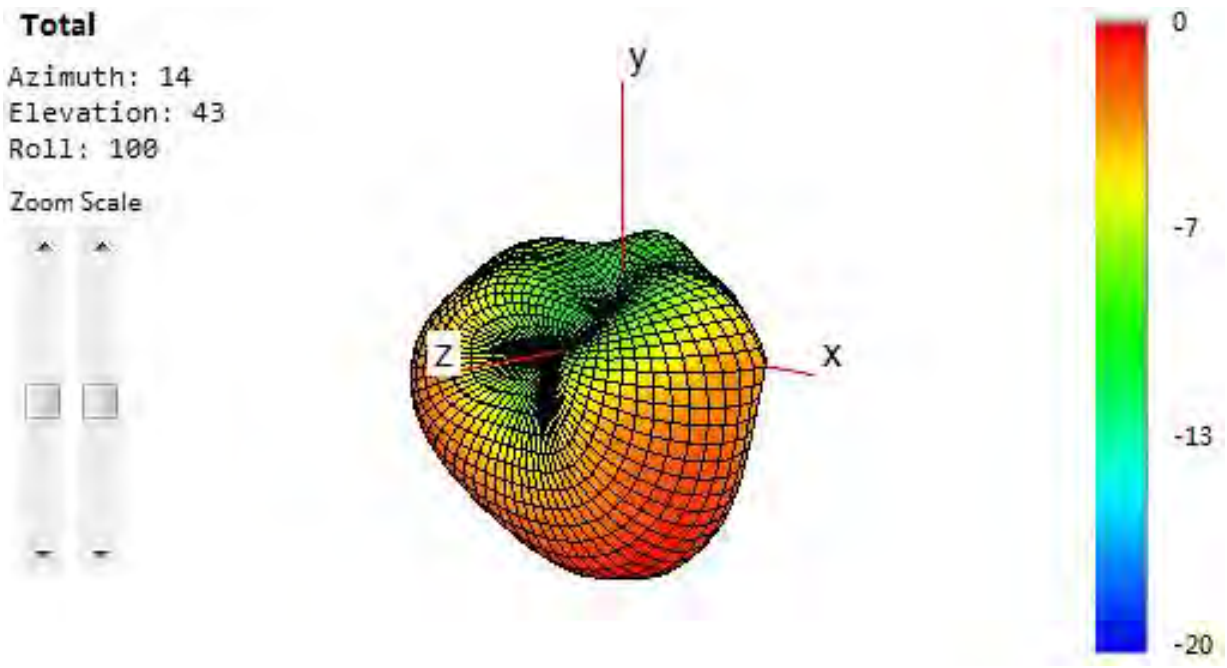
LTE Aux Antenna 3D Radiation Pattern 1880 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1880	-3.25



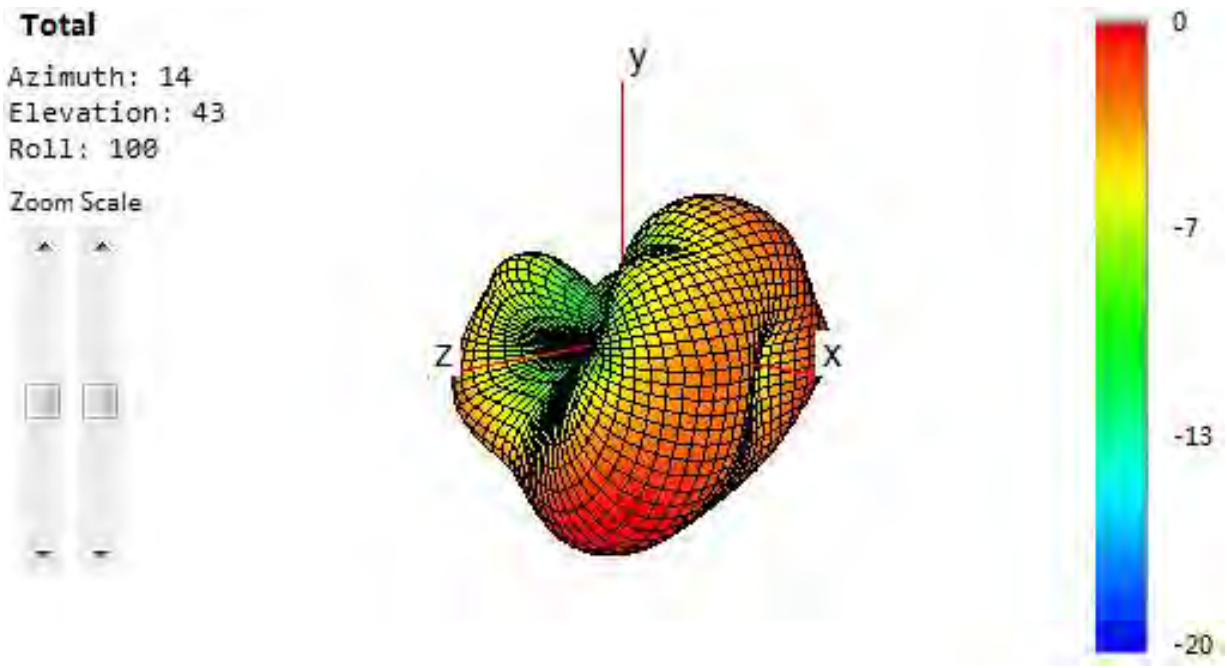
LTE Aux Antenna 3D Radiation Pattern 1950 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
1950	-0.14



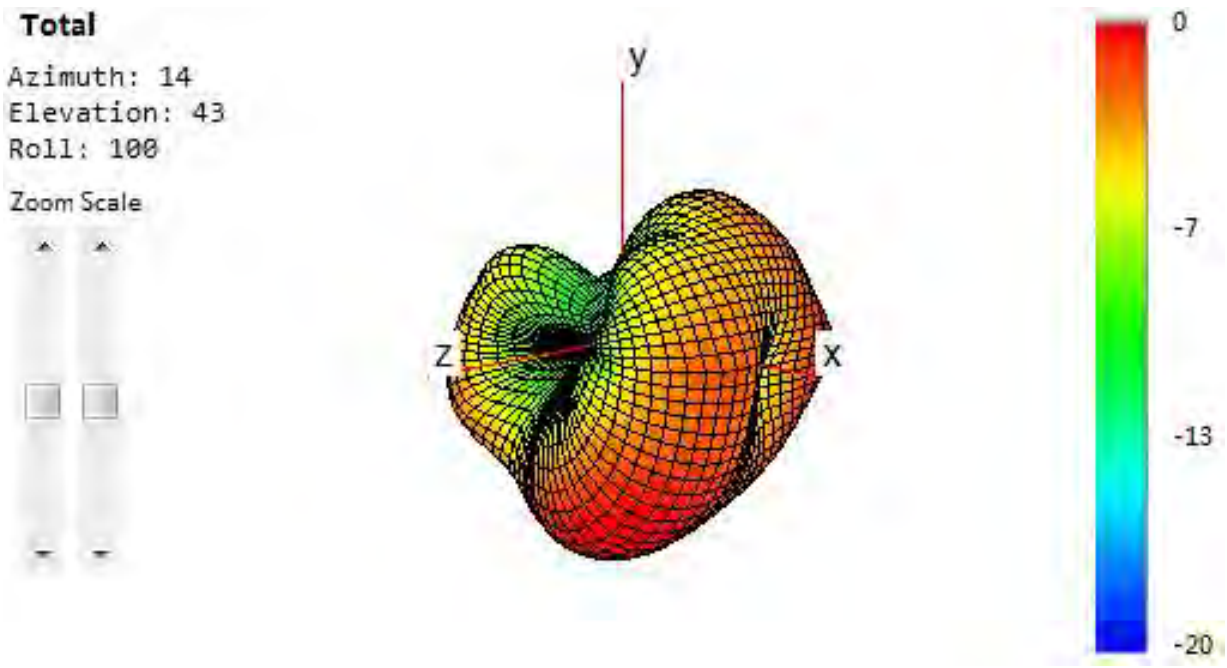
LTE Aux Antenna 3D Radiation Pattern 2535 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2535	1.03



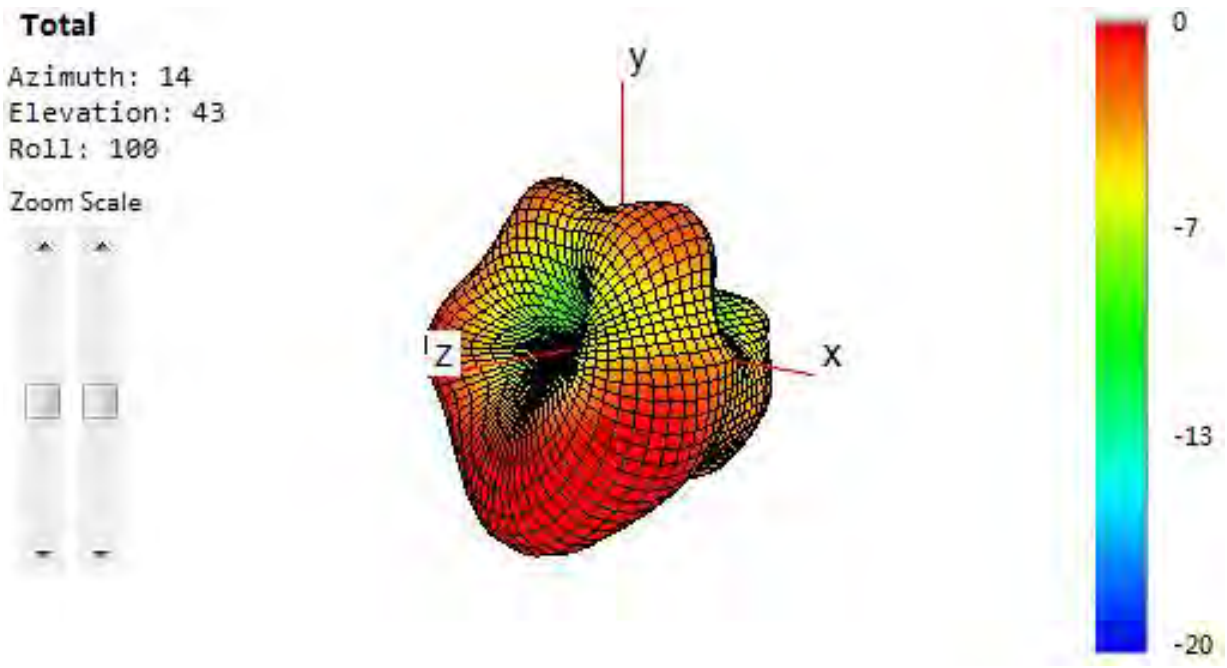
LTE Aux Antenna 3D Radiation Pattern 2592 MHz (LTE)

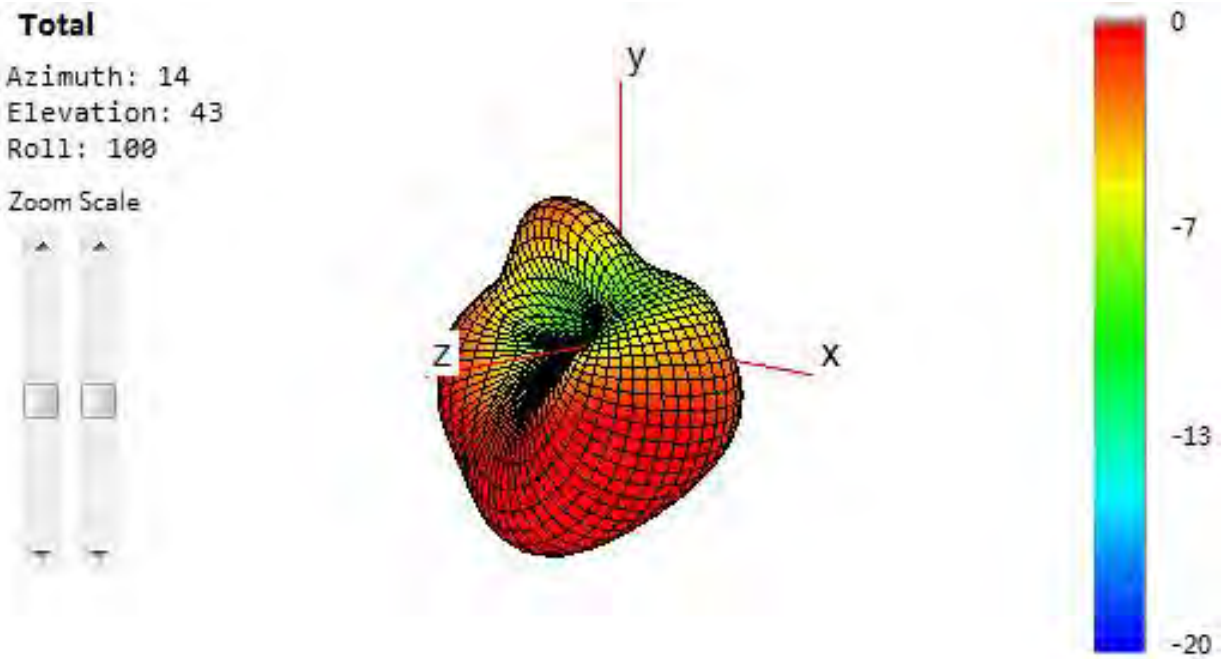
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2952	1.02



LTE Aux Antenna 3D Radiation Pattern 3500 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
3500	2.63



LTE Aux Antenna 3D Radiation Pattern 3700 MHz (LTE)

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
3700	2.93