



CIBCCU3 – C1 Sample – Information for homologation

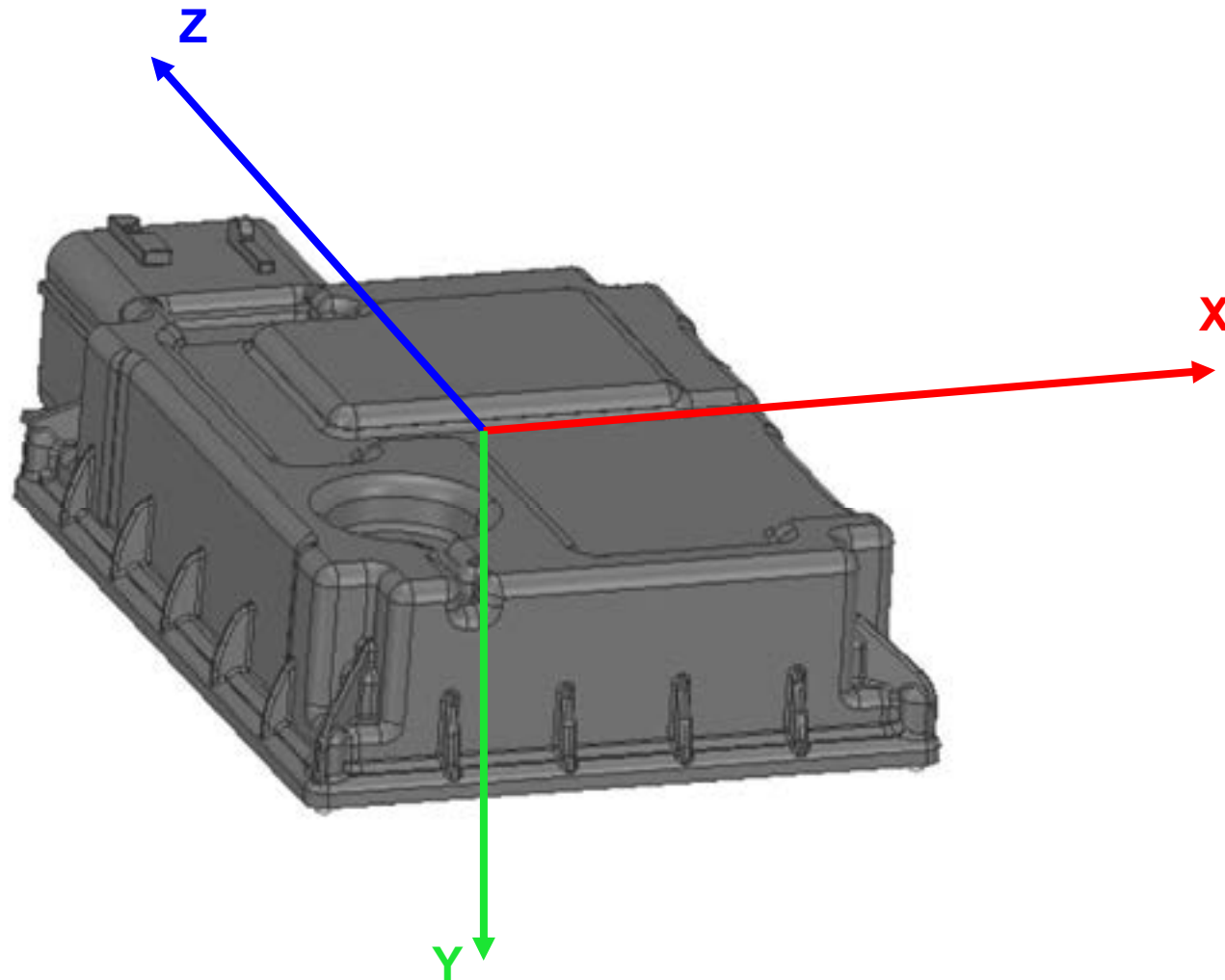
July 2024

www.continental-corporation.com

Cristian Iordan
Laviniu Flueraș

A AN HW WLC

DUT Orientation



LTE Primary Antenna (NA version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 2	1850	+1.1
	1880	+1.5
	1910	+1.9
Band 4	1710	+1.7
	1732.5	+1.8
	1755	+2.2
Band 5	824	+1.7
	836.5	+2.2
	849	+2.5
Band 7	2500	+2.5
	2535	+3.0
	2570	+2.9

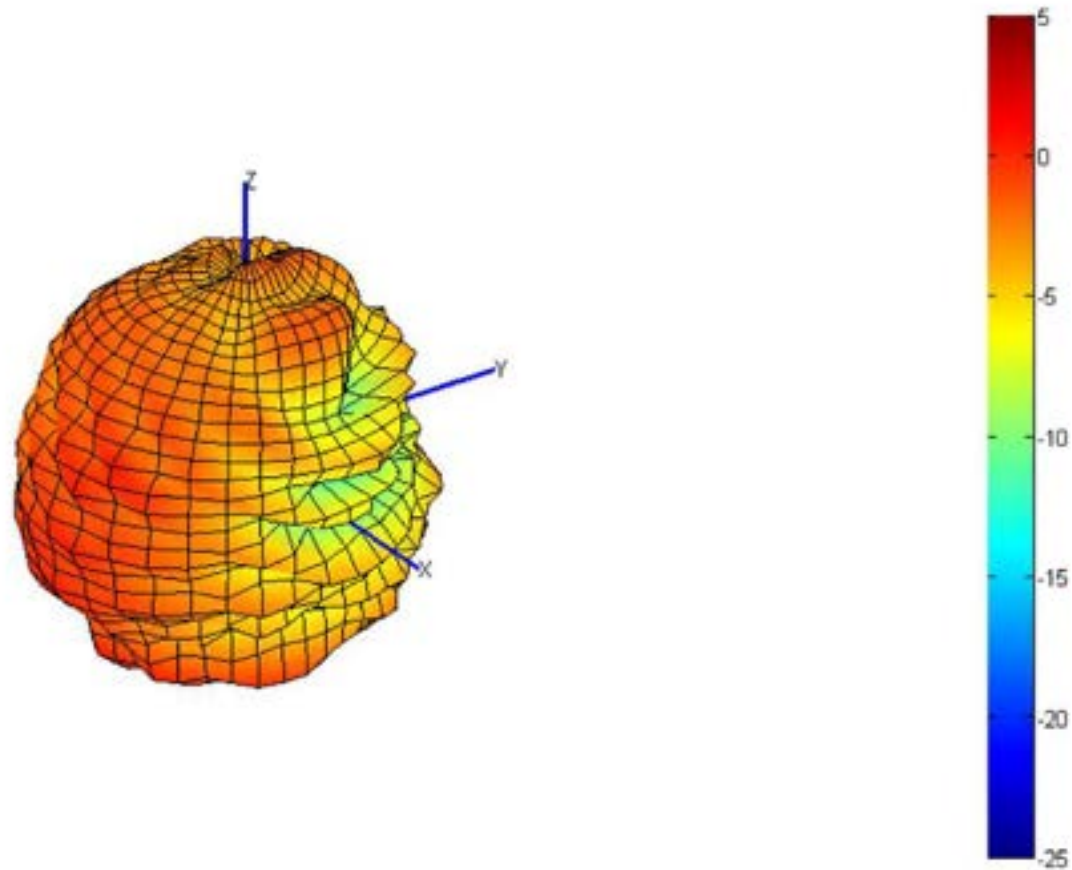
LTE Primary Antenna (NA version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 12	698	+1.5
	707	+1.7
	716	+2.0
Band 13	777	+1.3
	782	+1.3
	787	+1.4
Band 14	788	+1.4
	793	+1.5
	798	+1.5
Band 17	704	+1.7
	710	+1.6
	716	+2.0

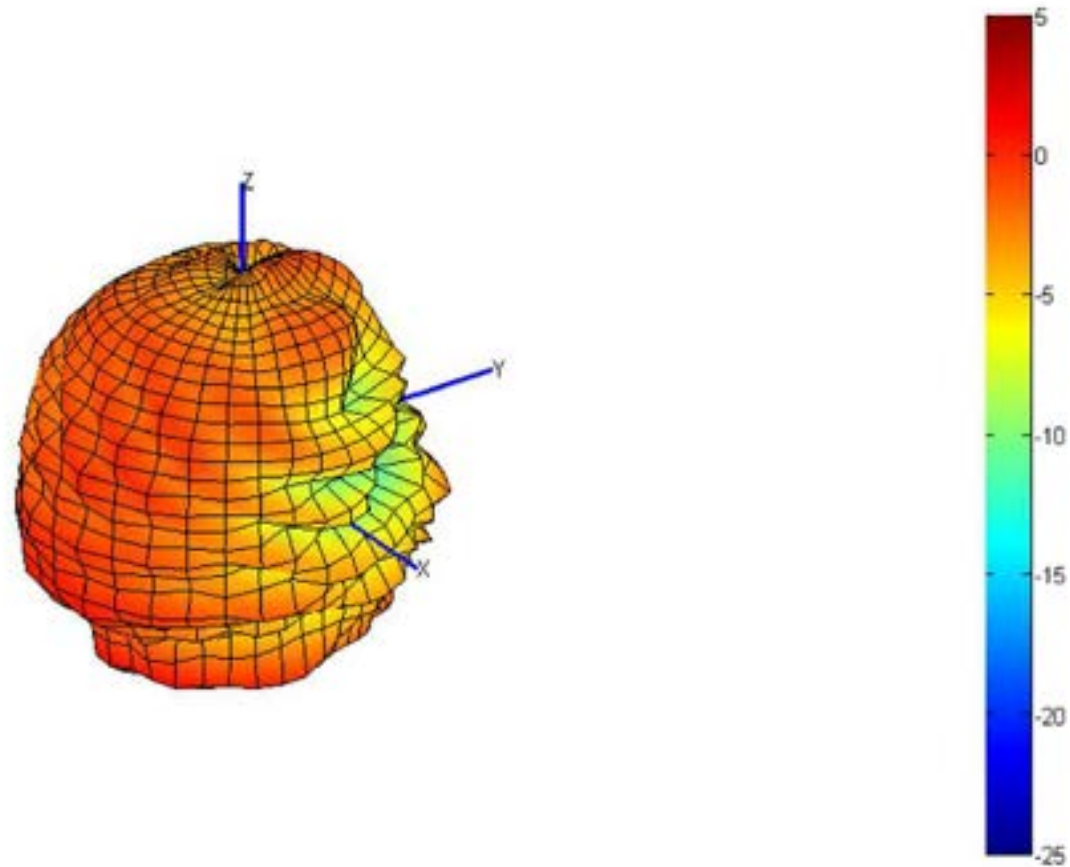
LTE Primary Antenna (NA version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 25	1850	+1.1
	1882.5	+1.5
	1915	+1.8
Band 26	814	+1.0
	831.5	+2.0
	849	+2.5
Band 41	2496	+2.5
	2690	+1.3
Band 66	1710	+1.7
	1745	+1.9
	1780	+1.8

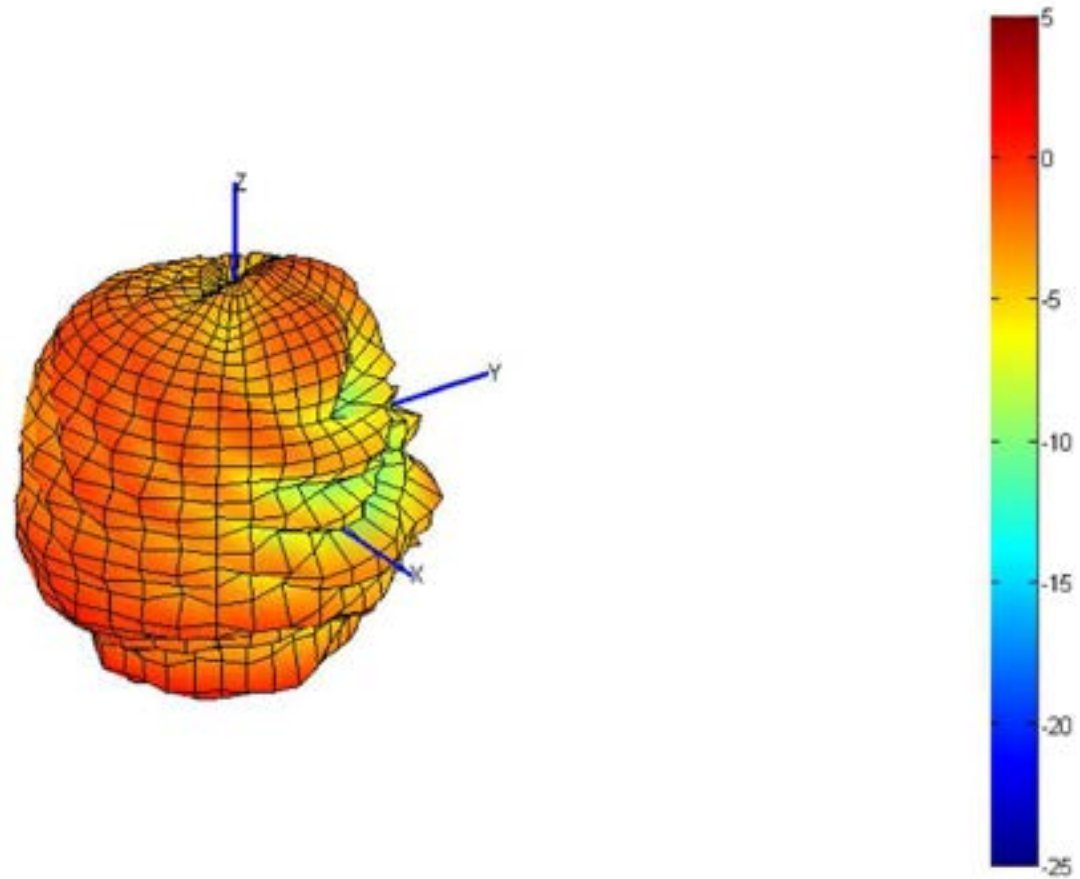
LTE Primary Antenna – NA 3D Gain Total - Band 2 @1850MHz



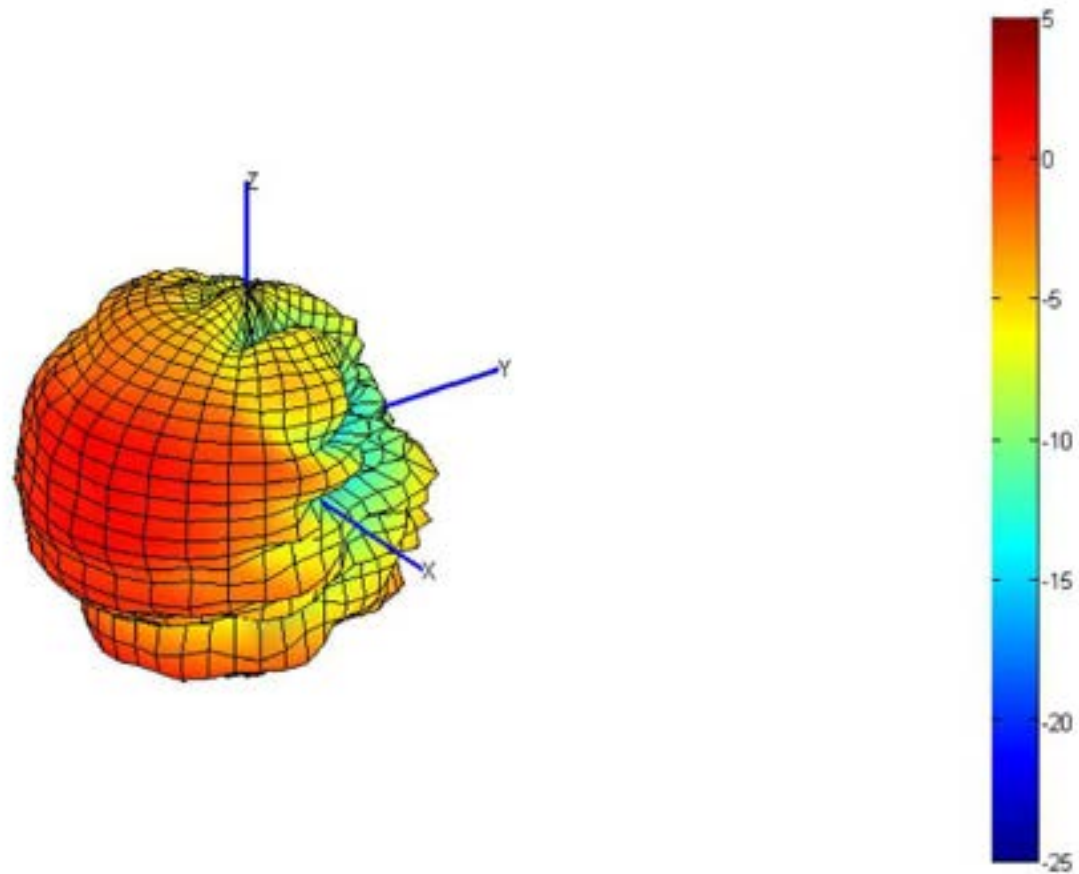
LTE Primary Antenna – NA 3D Gain Total - Band 2 @1880MHz



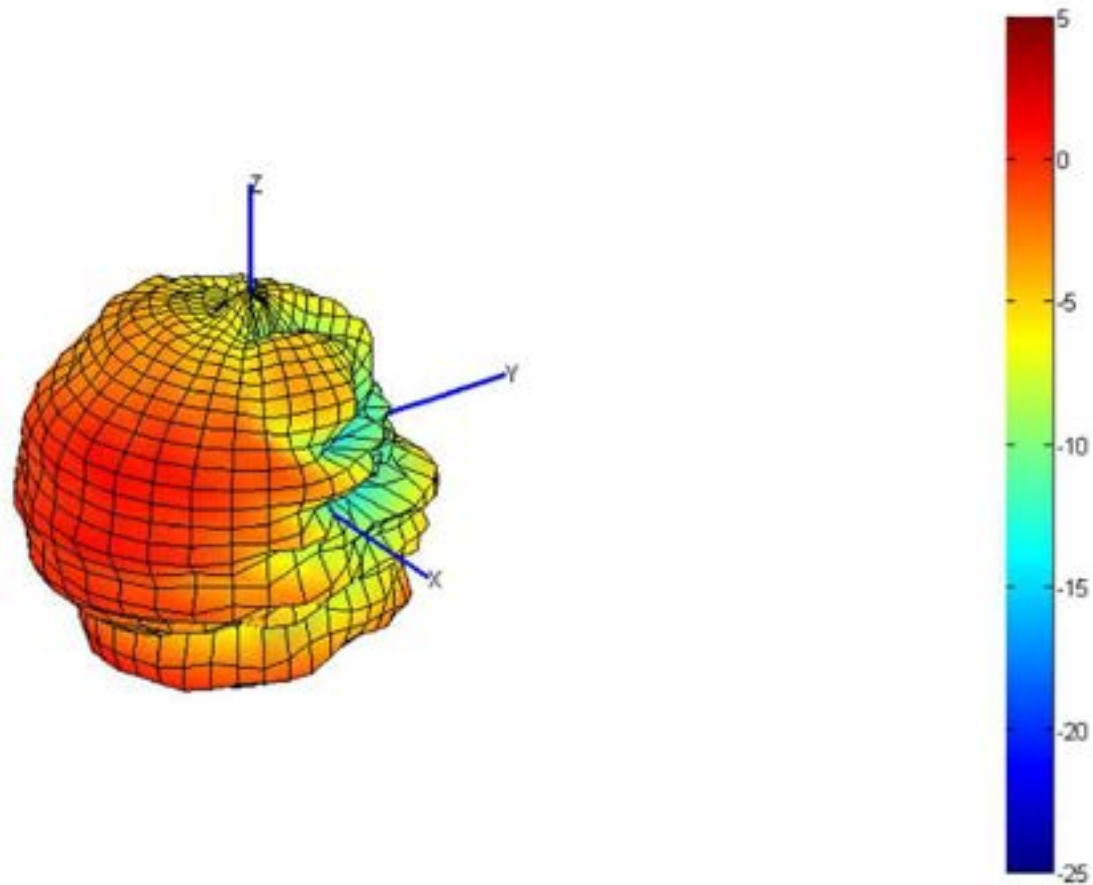
LTE Primary Antenna – NA 3D Gain Total - Band 2 @1910MHz



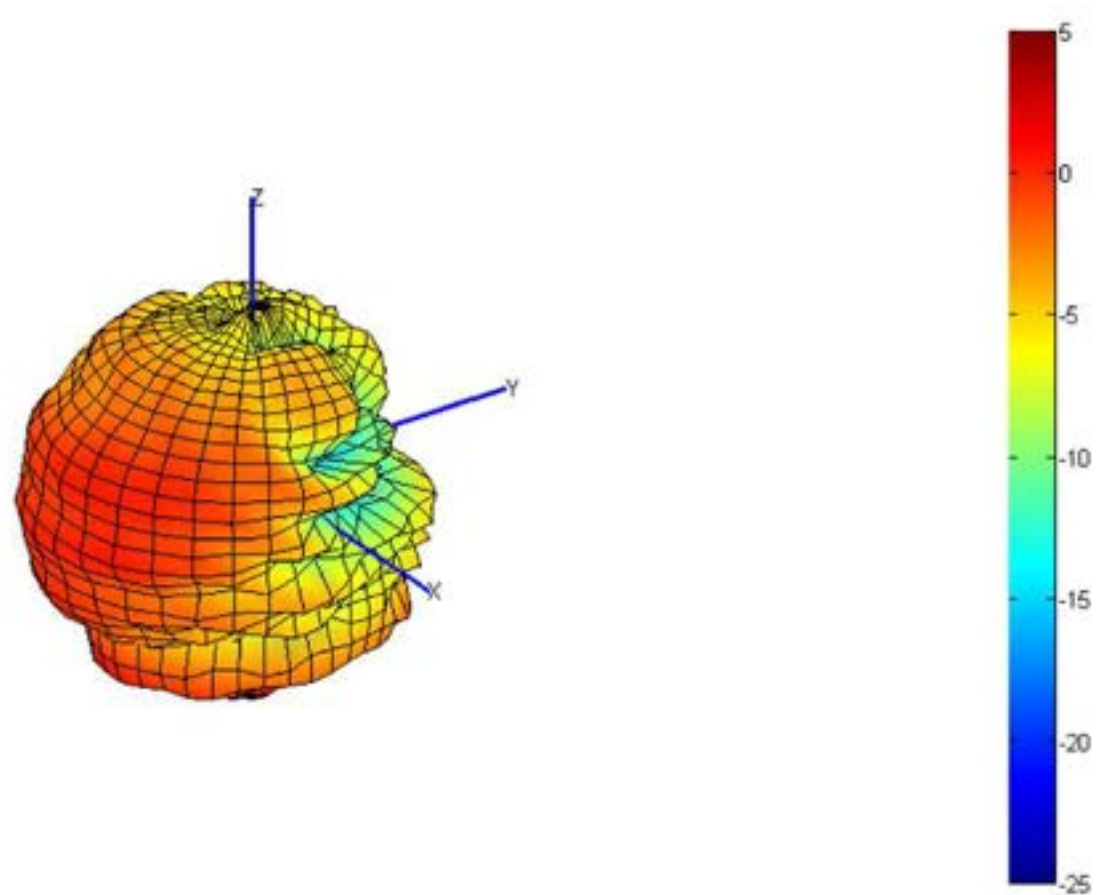
LTE Primary Antenna – NA 3D Gain Total - Band 4 @1710MHz



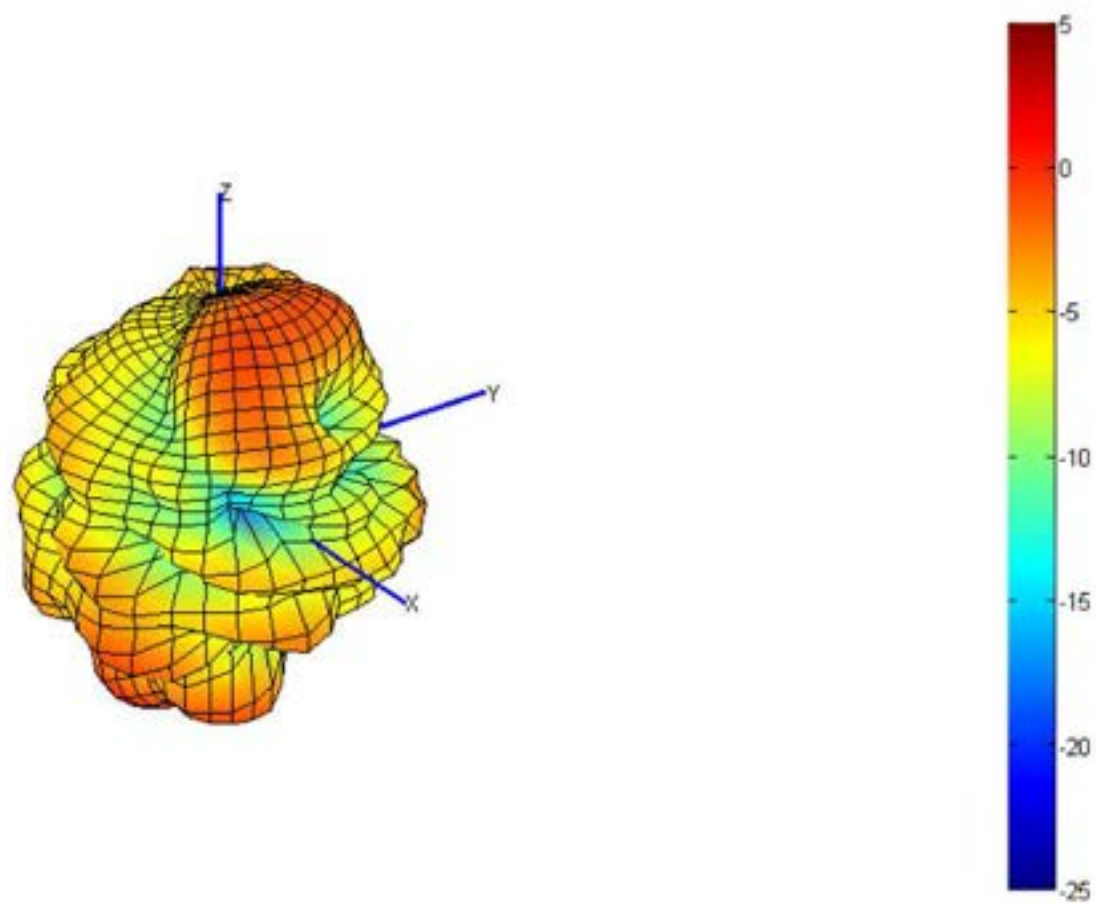
LTE Primary Antenna – NA 3D Gain Total - Band 4 @1732.5MHz



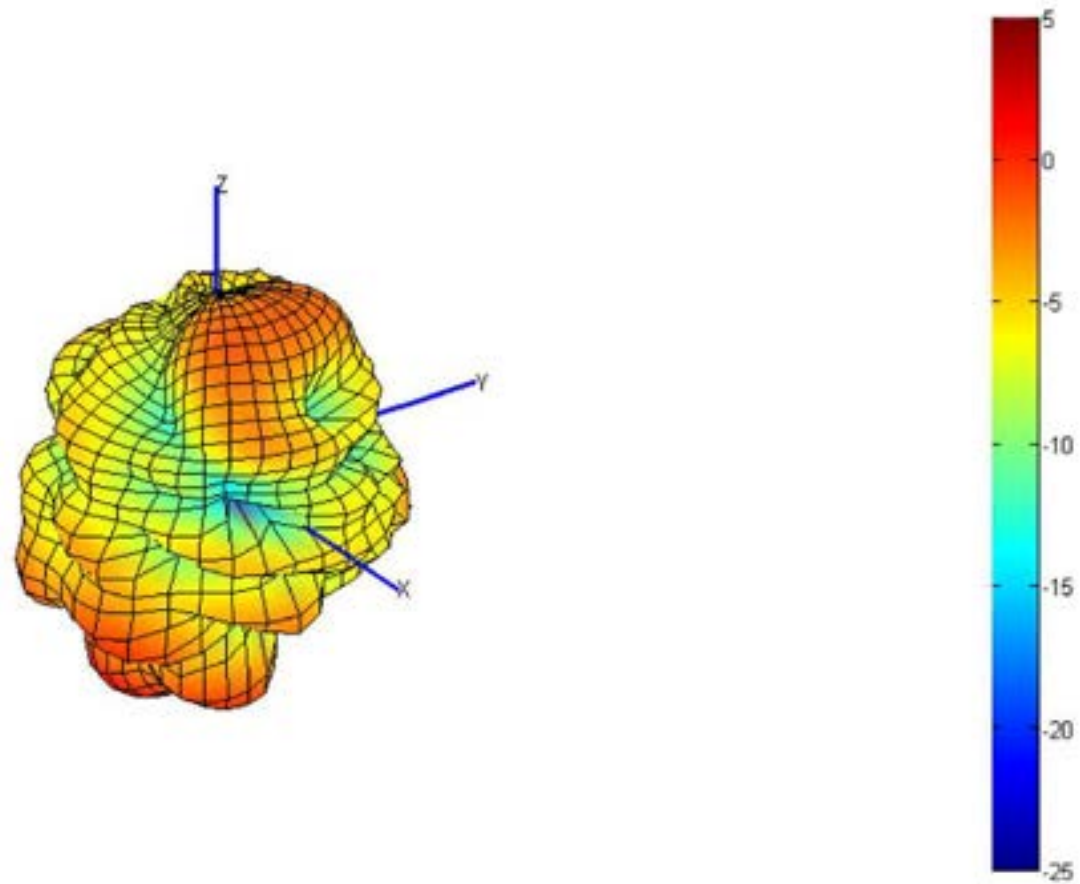
LTE Primary Antenna – NA 3D Gain Total - Band 4 @1755MHz



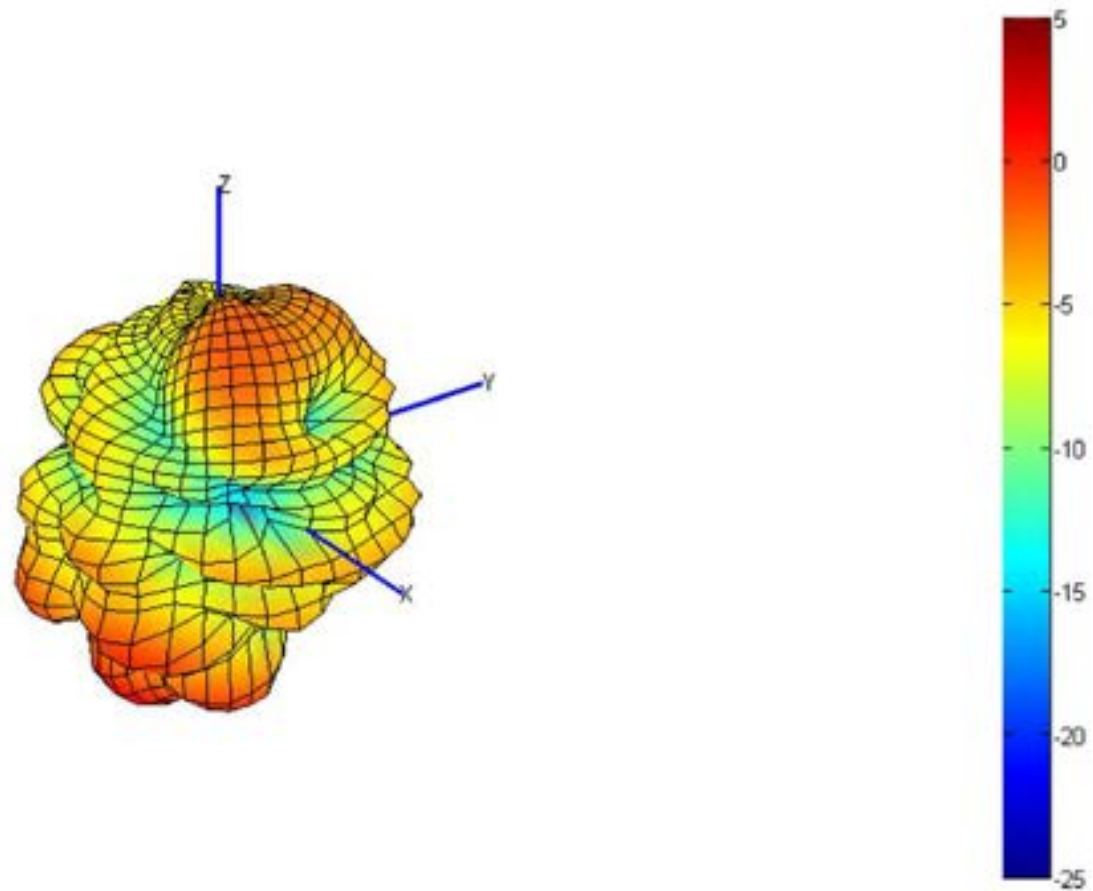
LTE Primary Antenna – NA 3D Gain Total - Band 5 @824MHz



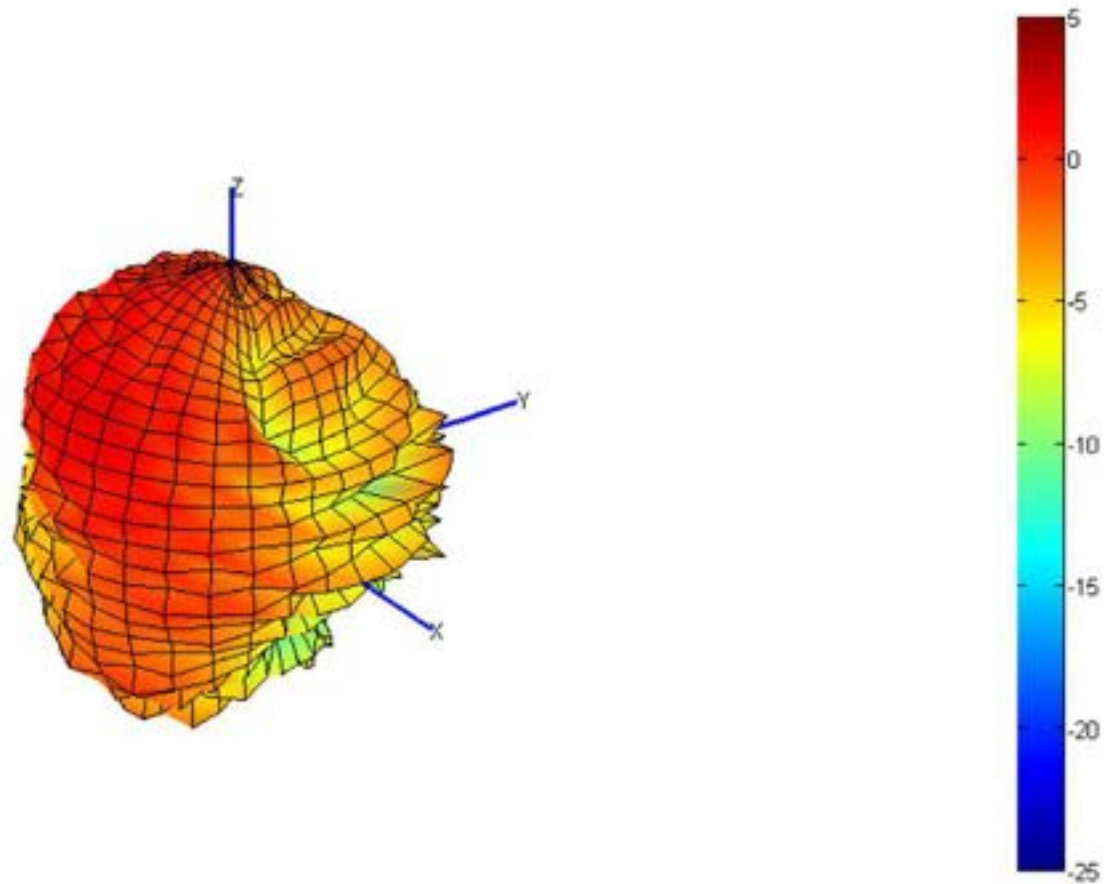
LTE Primary Antenna – NA 3D Gain Total - Band 5 @836.5MHz



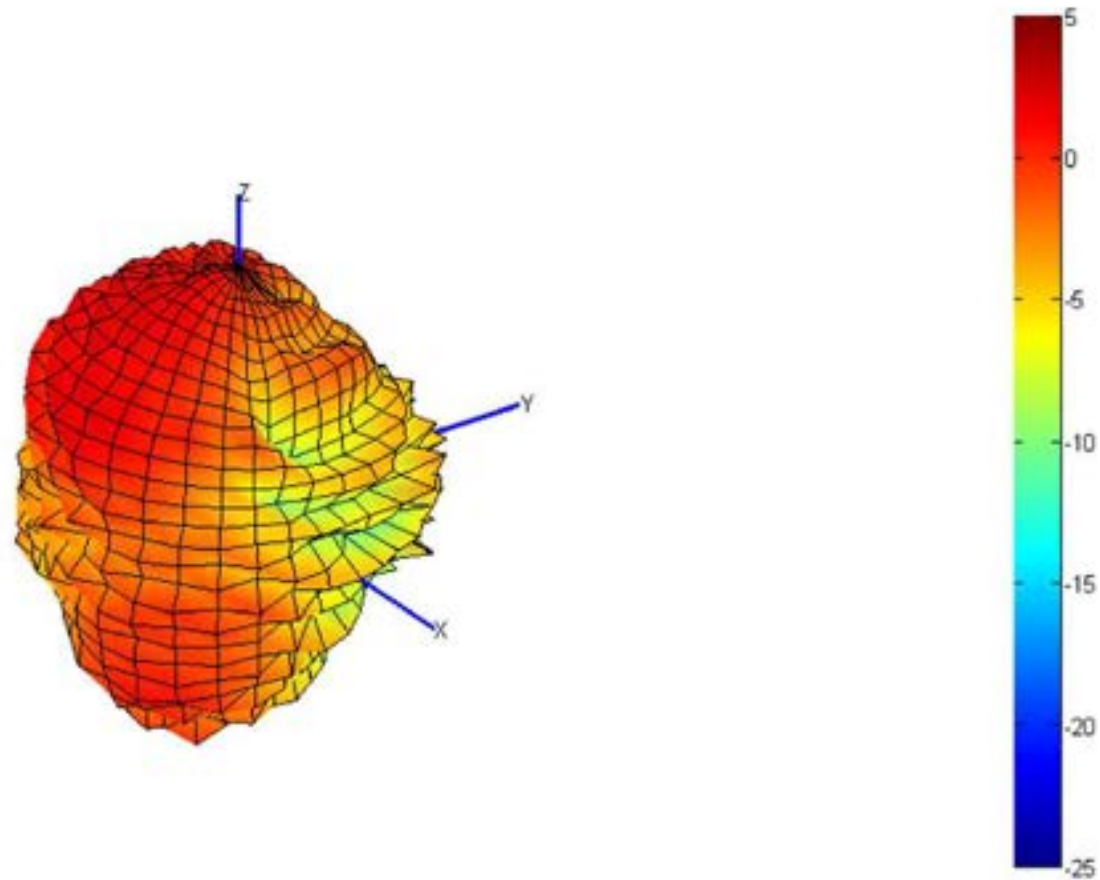
LTE Primary Antenna – NA 3D Gain Total - Band 5 @849MHz



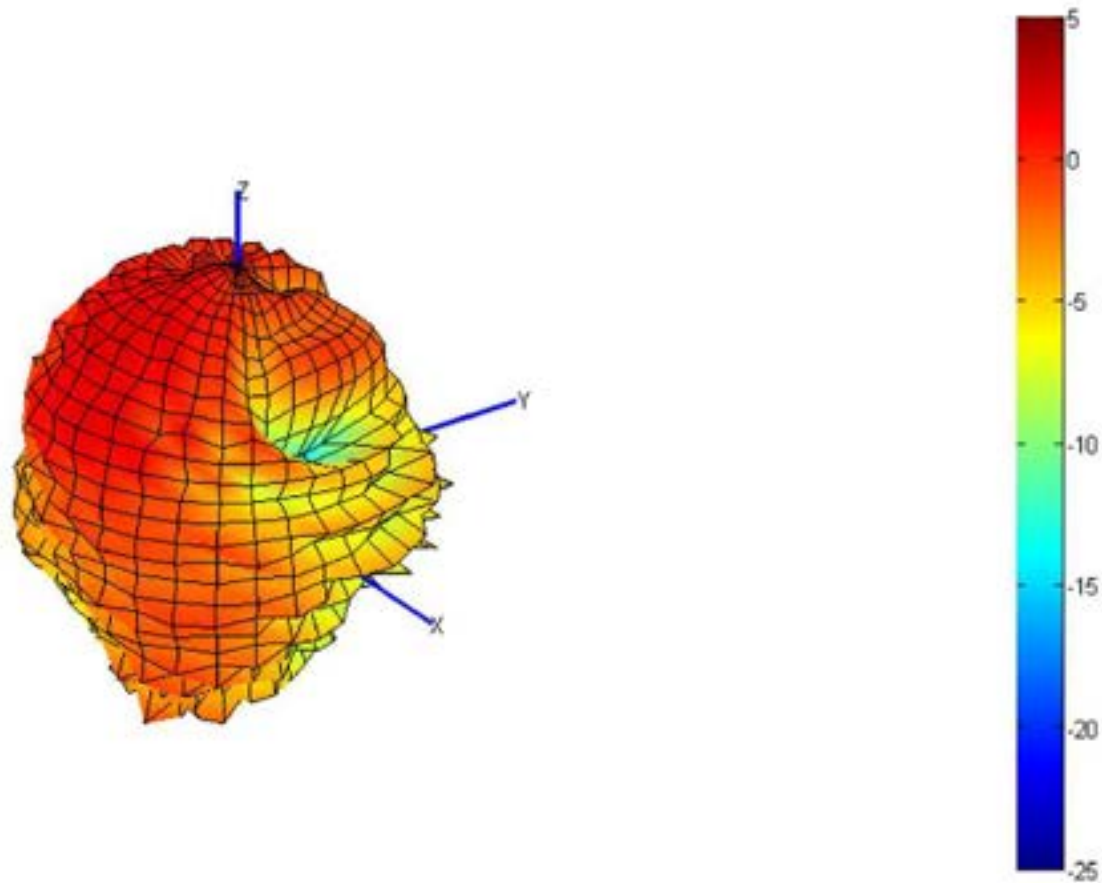
LTE Primary Antenna – NA 3D Gain Total - Band 7 @2500MHz



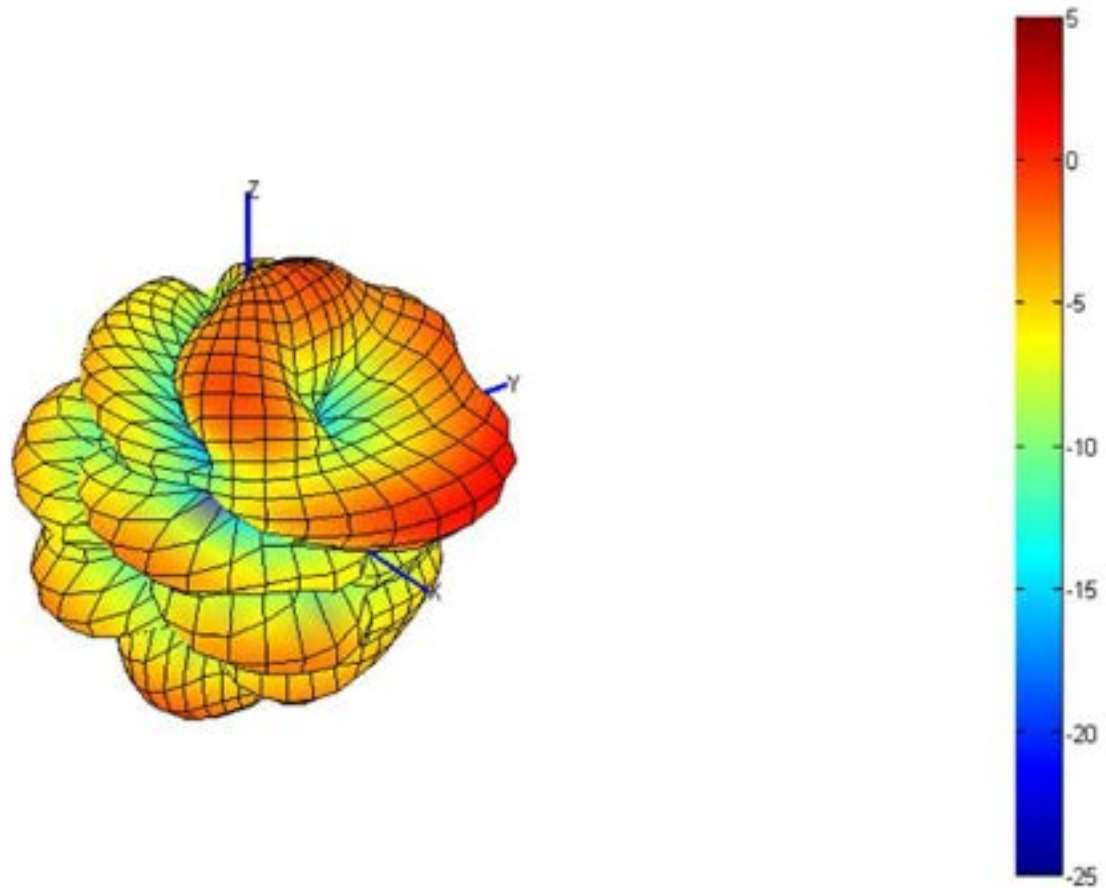
LTE Primary Antenna – NA 3D Gain Total - Band 7 @2535MHz



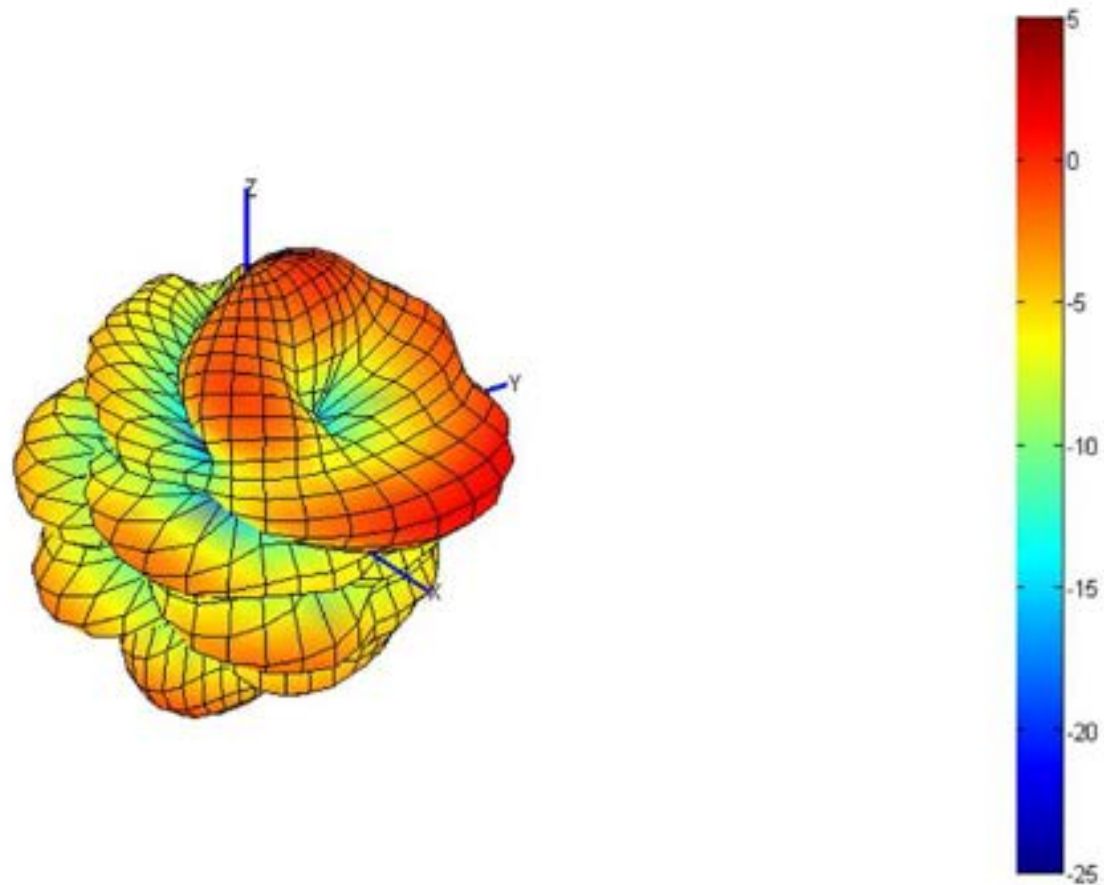
LTE Primary Antenna – NA 3D Gain Total - Band 7 @2570MHz



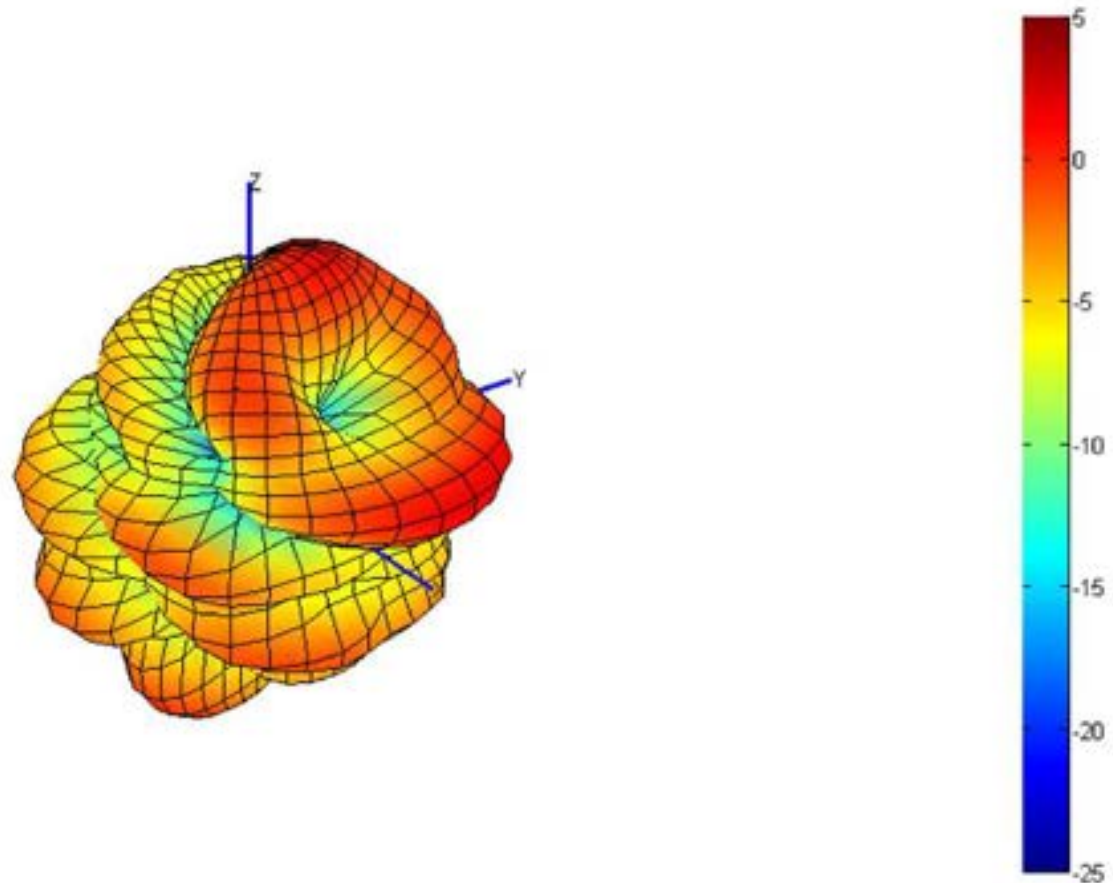
LTE Primary Antenna – NA 3D Gain Total - Band 12 @698MHz



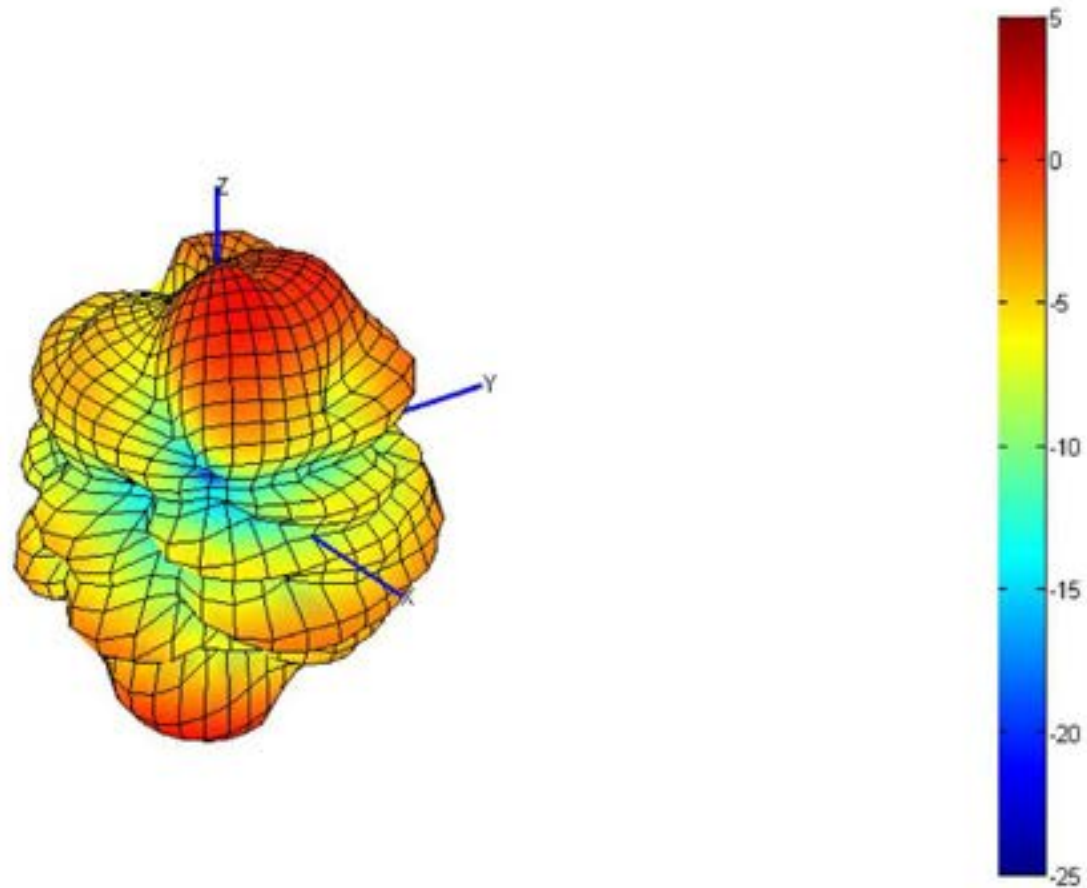
LTE Primary Antenna – NA 3D Gain Total - Band 12 @707MHz



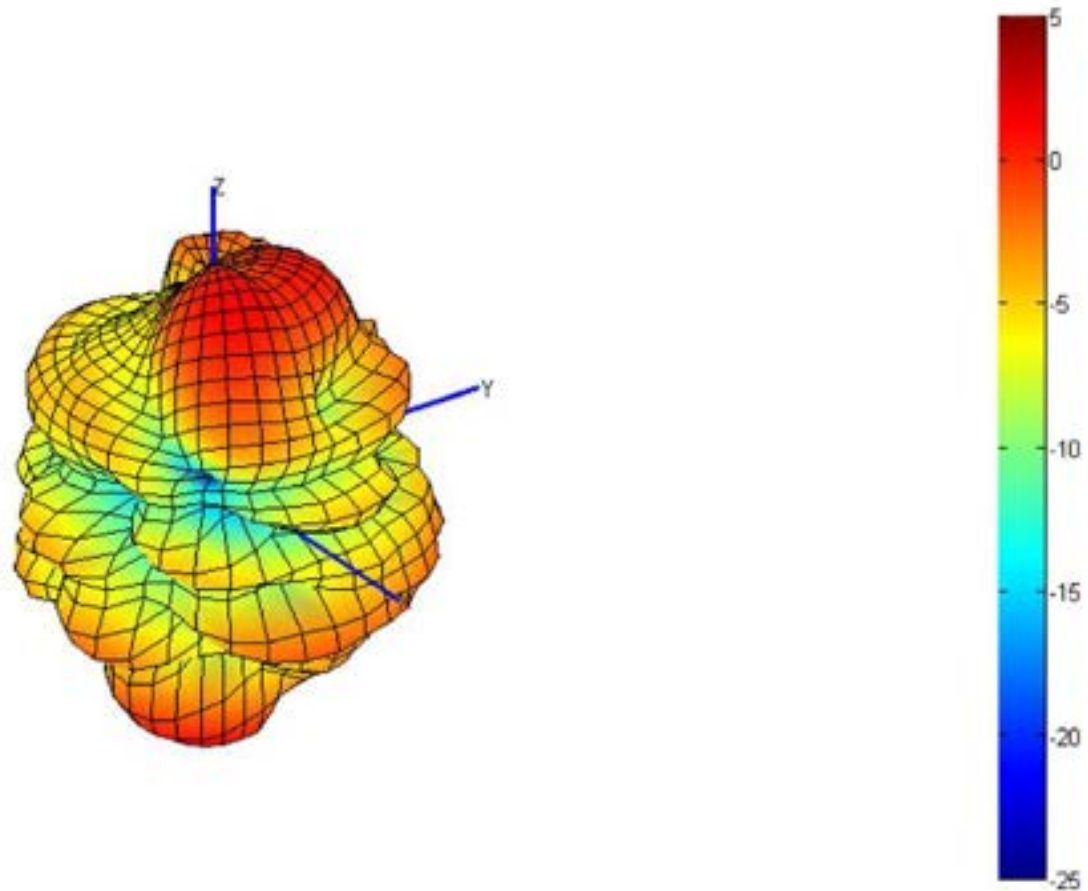
LTE Primary Antenna – NA 3D Gain Total - Band 12 @716MHz



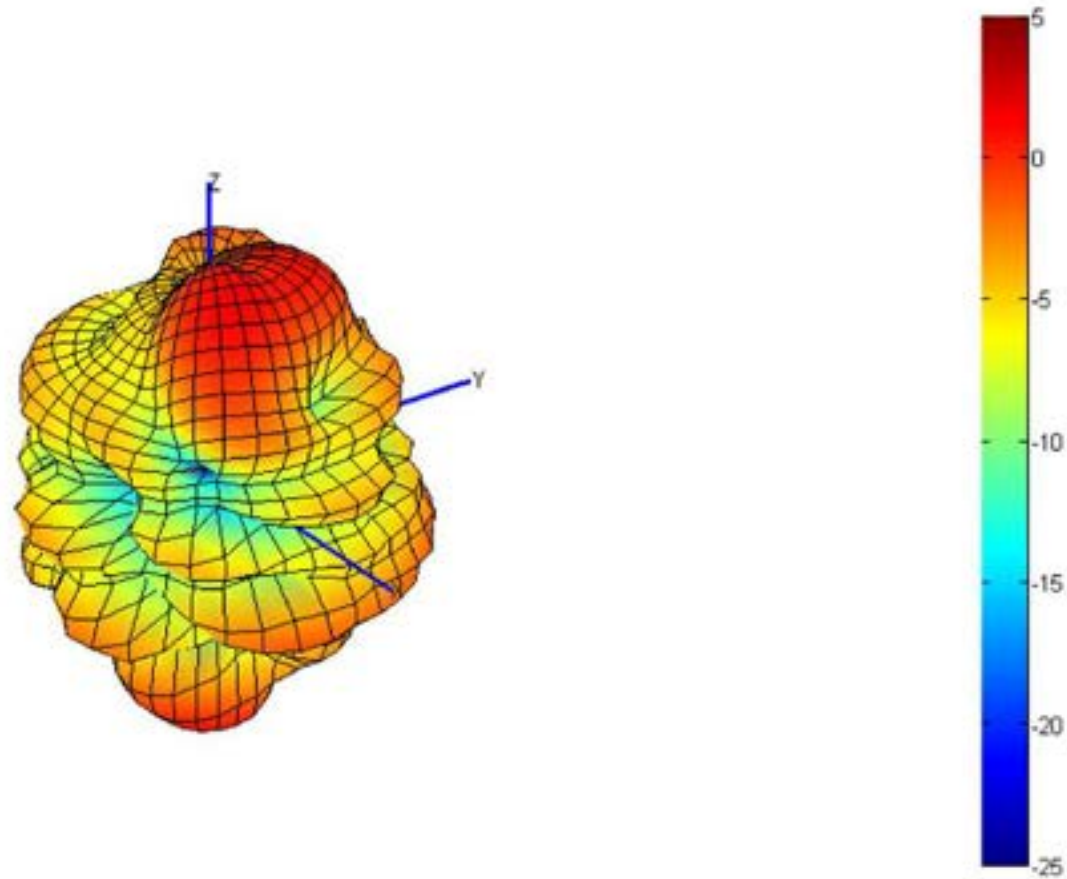
LTE Primary Antenna – NA 3D Gain Total - Band 13 @777MHz



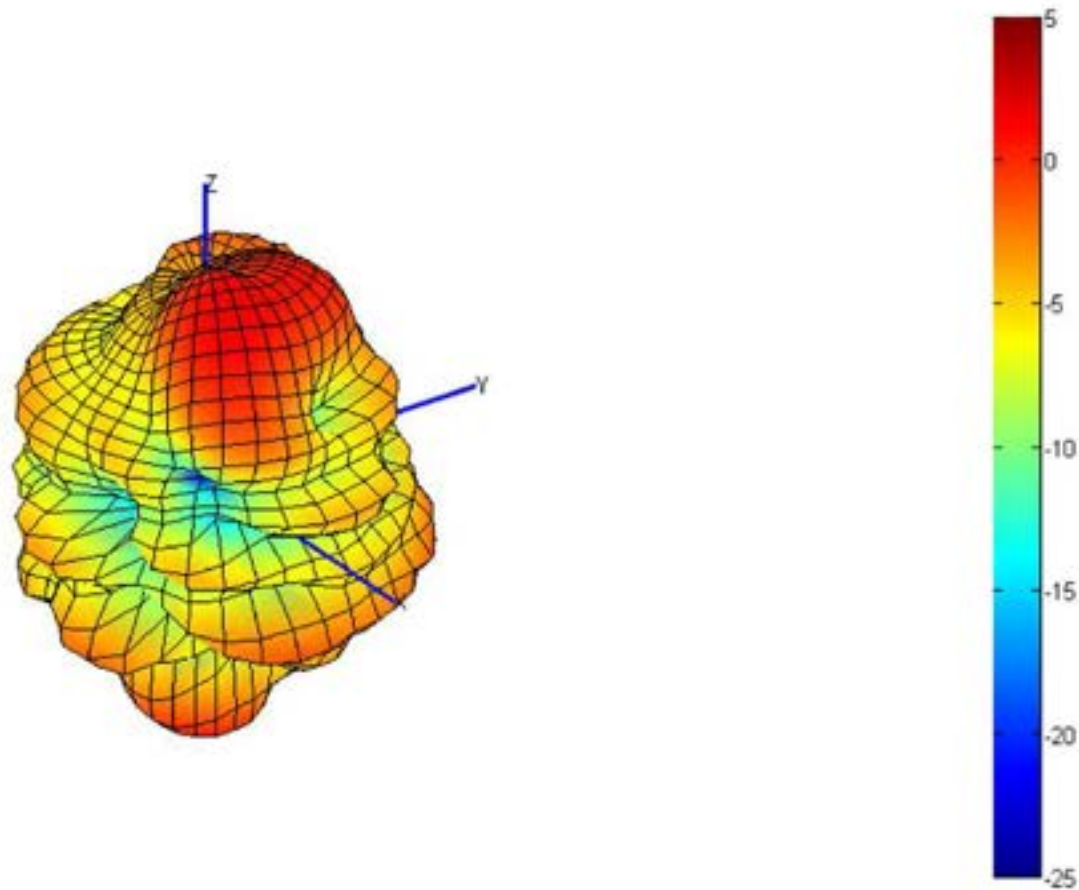
LTE Primary Antenna – NA 3D Gain Total - Band 13 @782MHz



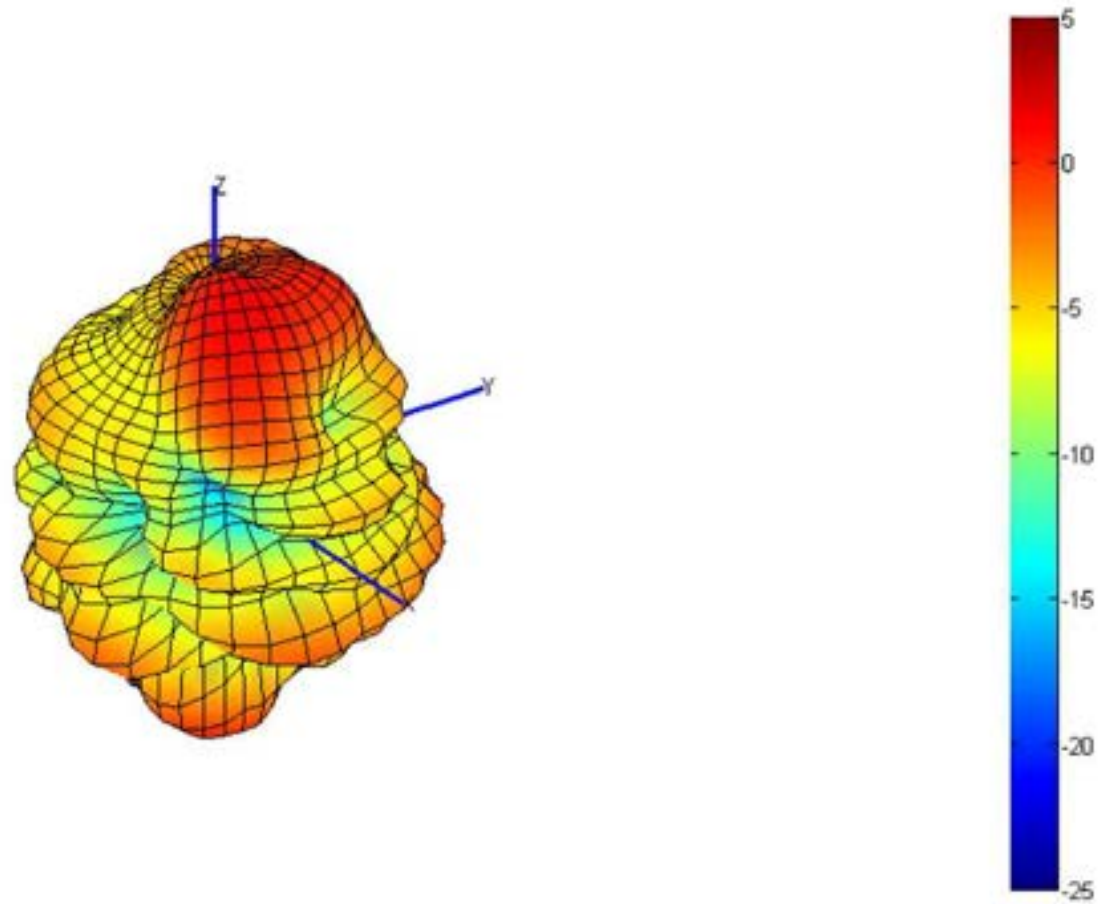
LTE Primary Antenna – NA 3D Gain Total - Band 13 @787MHz



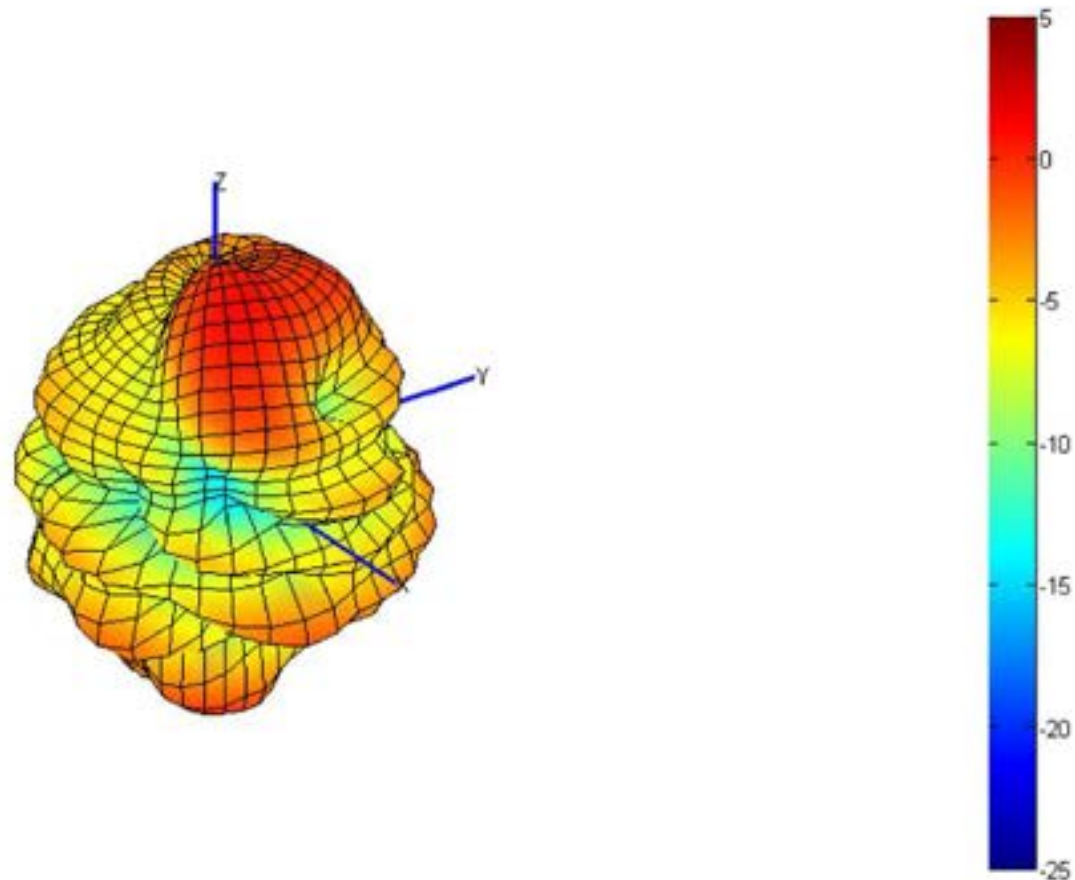
LTE Primary Antenna – NA 3D Gain Total - Band 14 @788MHz



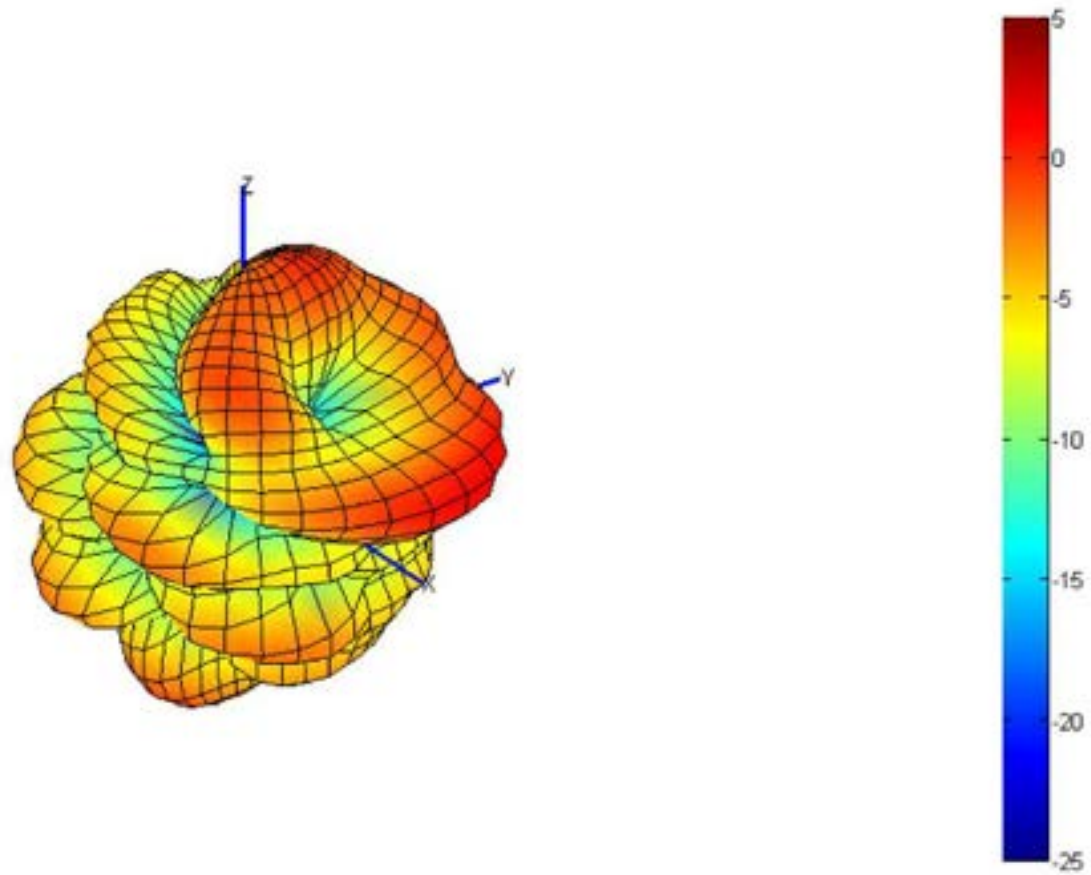
LTE Primary Antenna – NA 3D Gain Total - Band 14 @793MHz



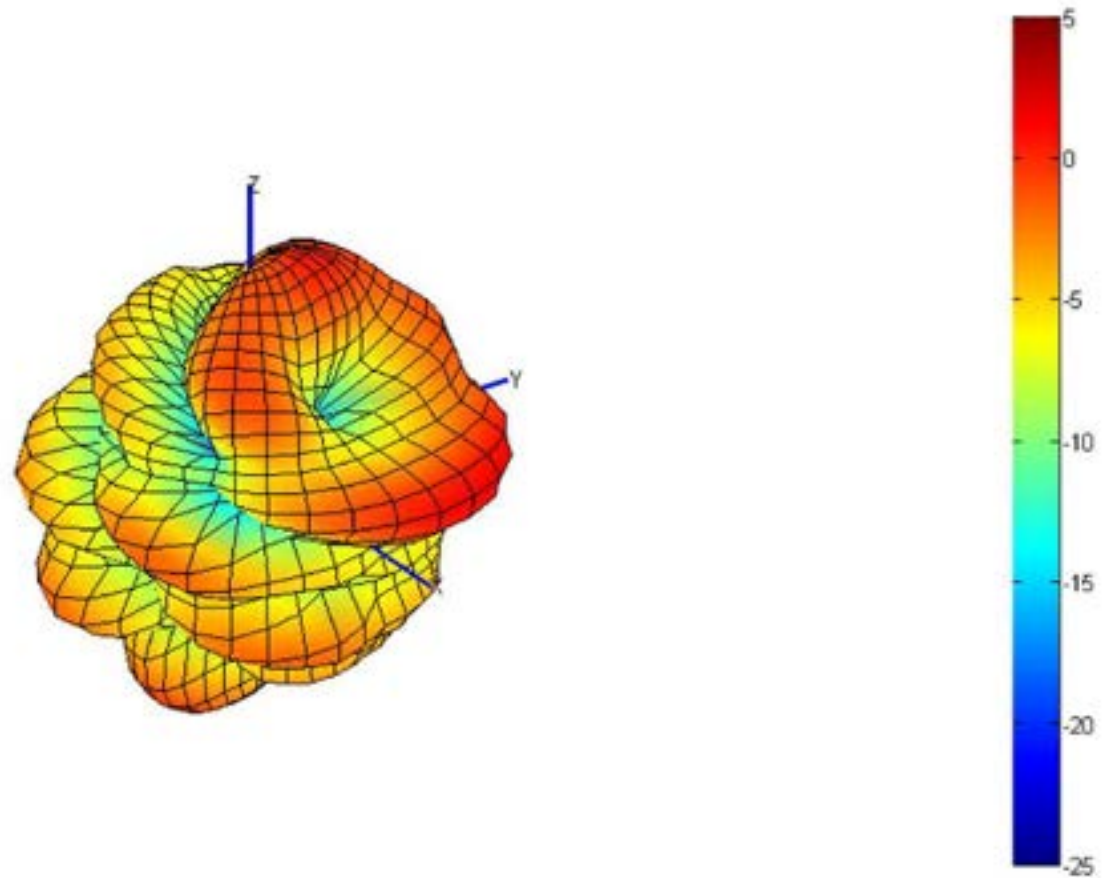
LTE Primary Antenna – NA 3D Gain Total - Band 14 @798MHz



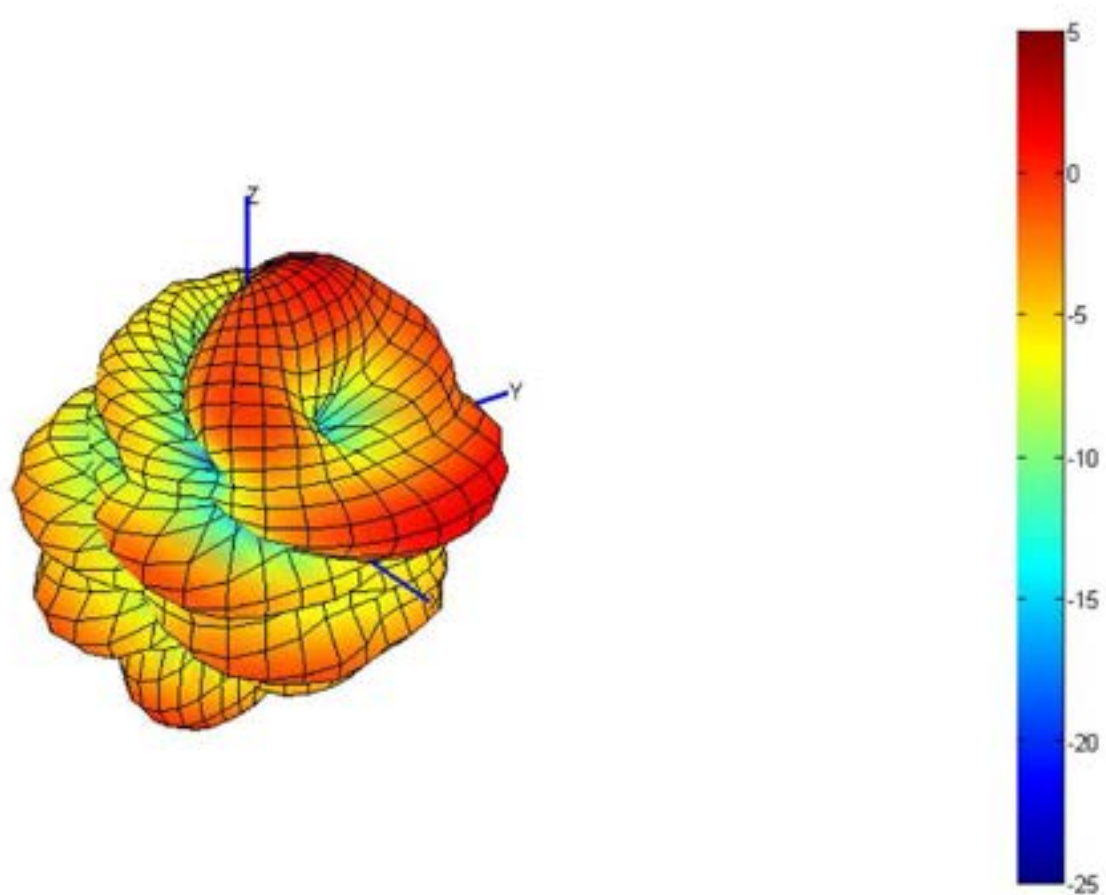
LTE Primary Antenna – NA 3D Gain Total - Band 17 @704MHz



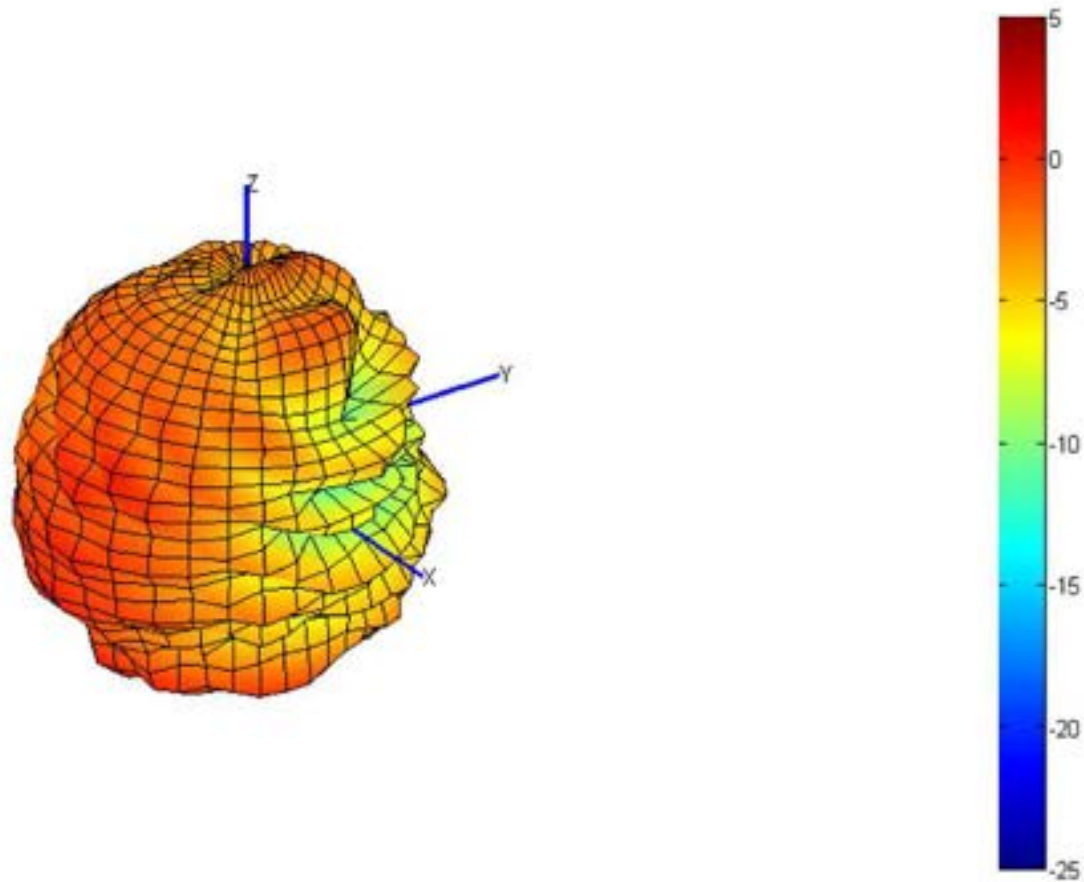
LTE Primary Antenna – NA 3D Gain Total - Band 17 @710MHz



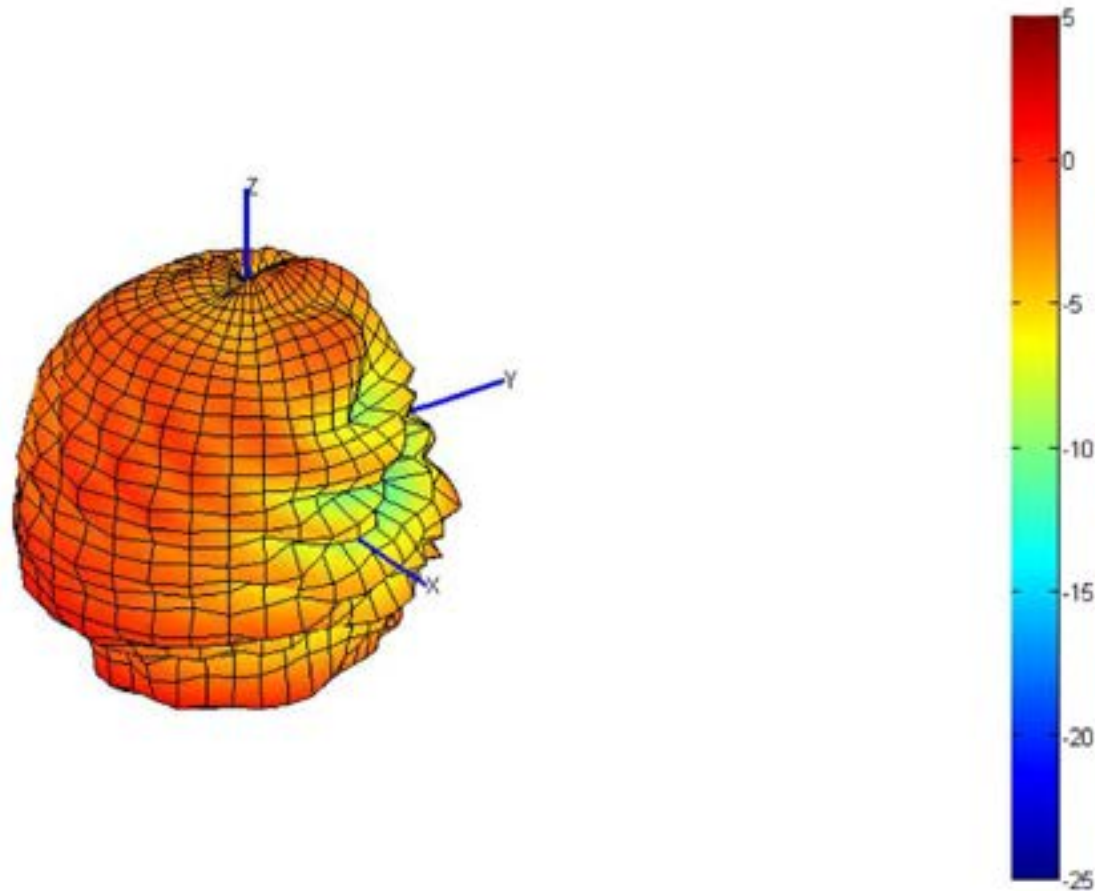
LTE Primary Antenna – NA 3D Gain Total - Band 17 @716MHz



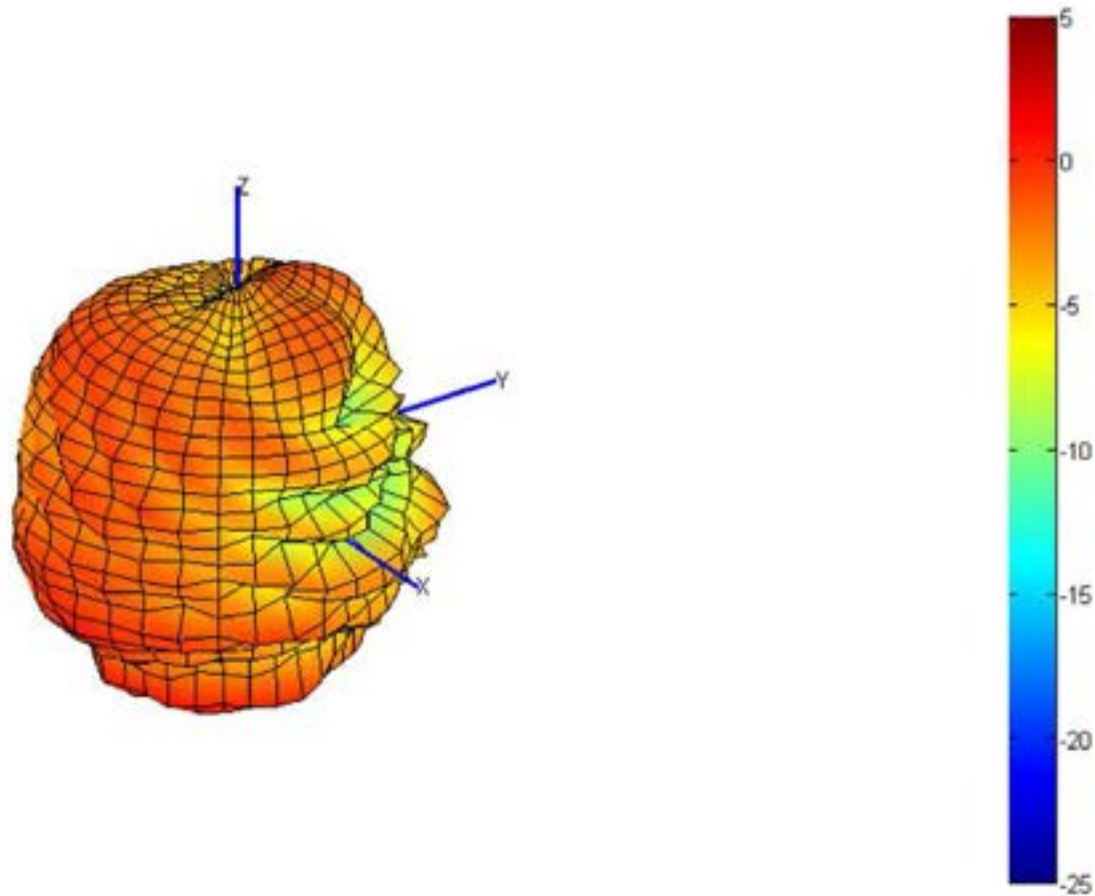
LTE Primary Antenna – NA 3D Gain Total - Band 25 @1850MHz



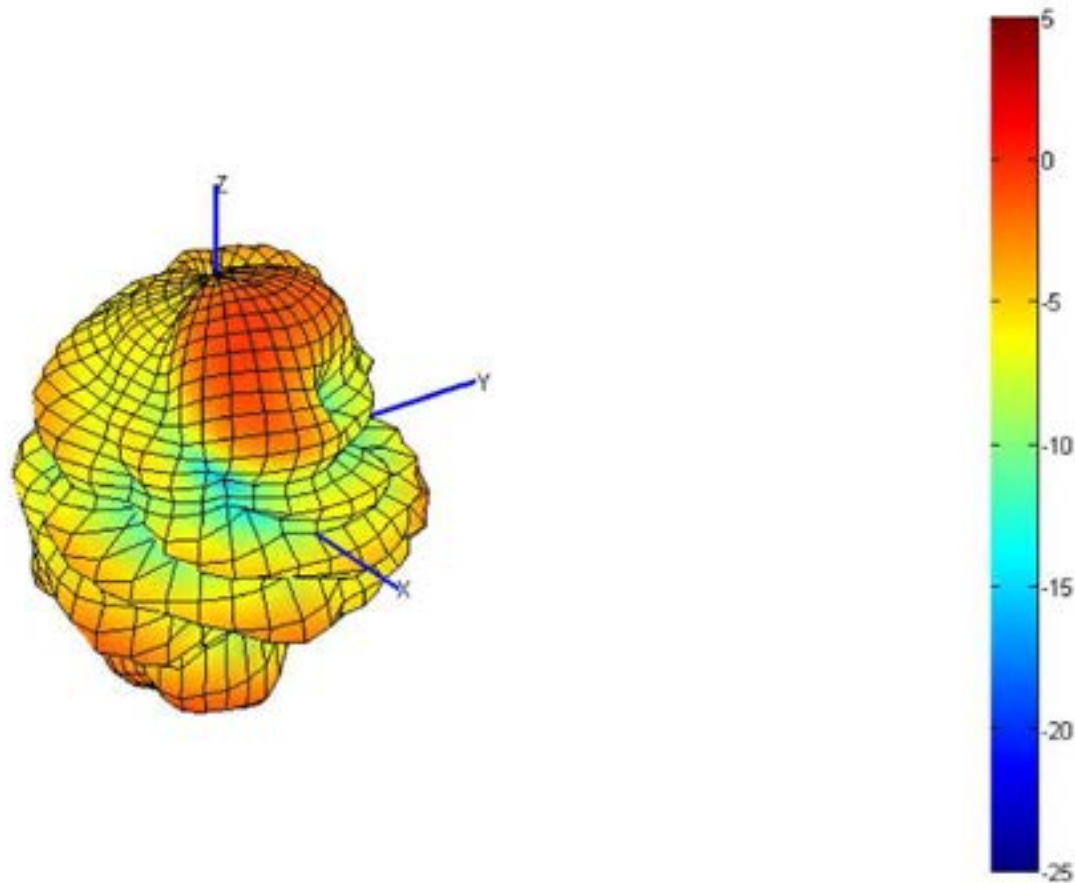
LTE Primary Antenna – NA 3D Gain Total - Band 25 @1882.5MHz



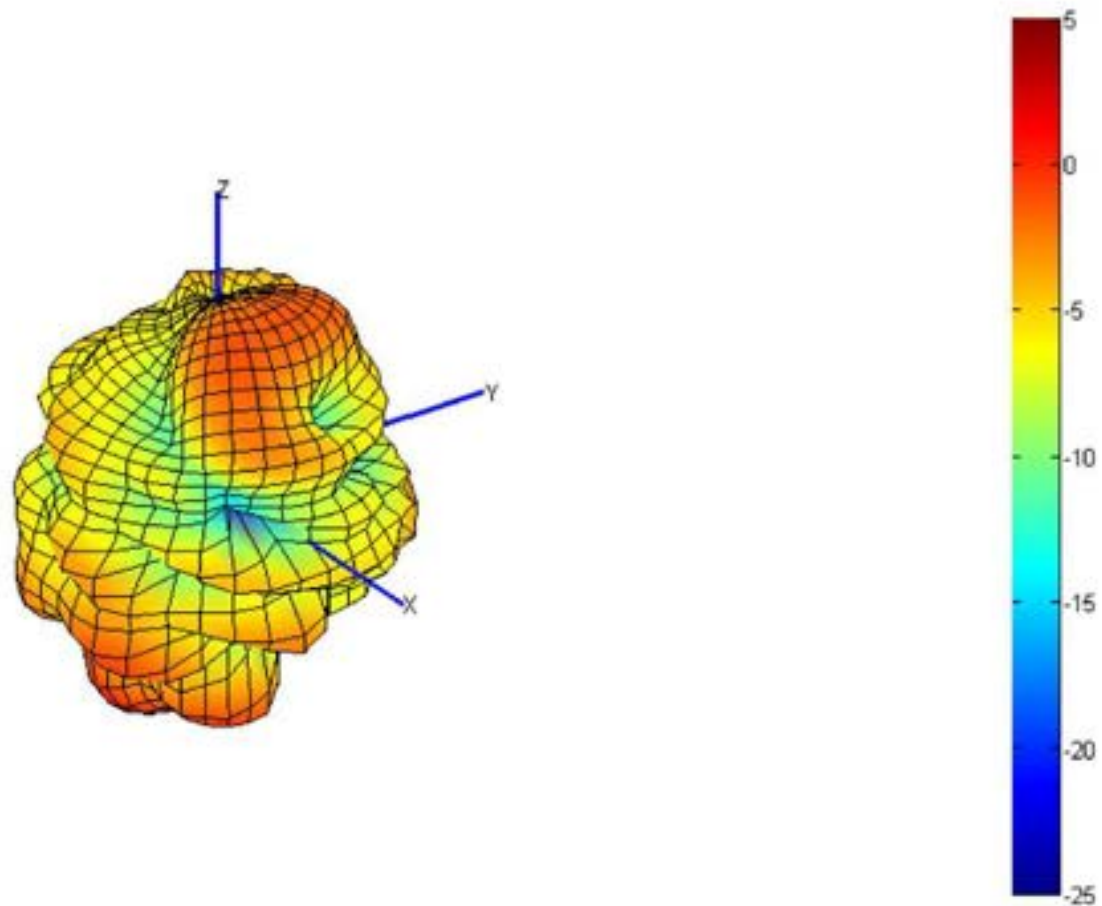
LTE Primary Antenna – NA 3D Gain Total - Band 25 @1915MHz



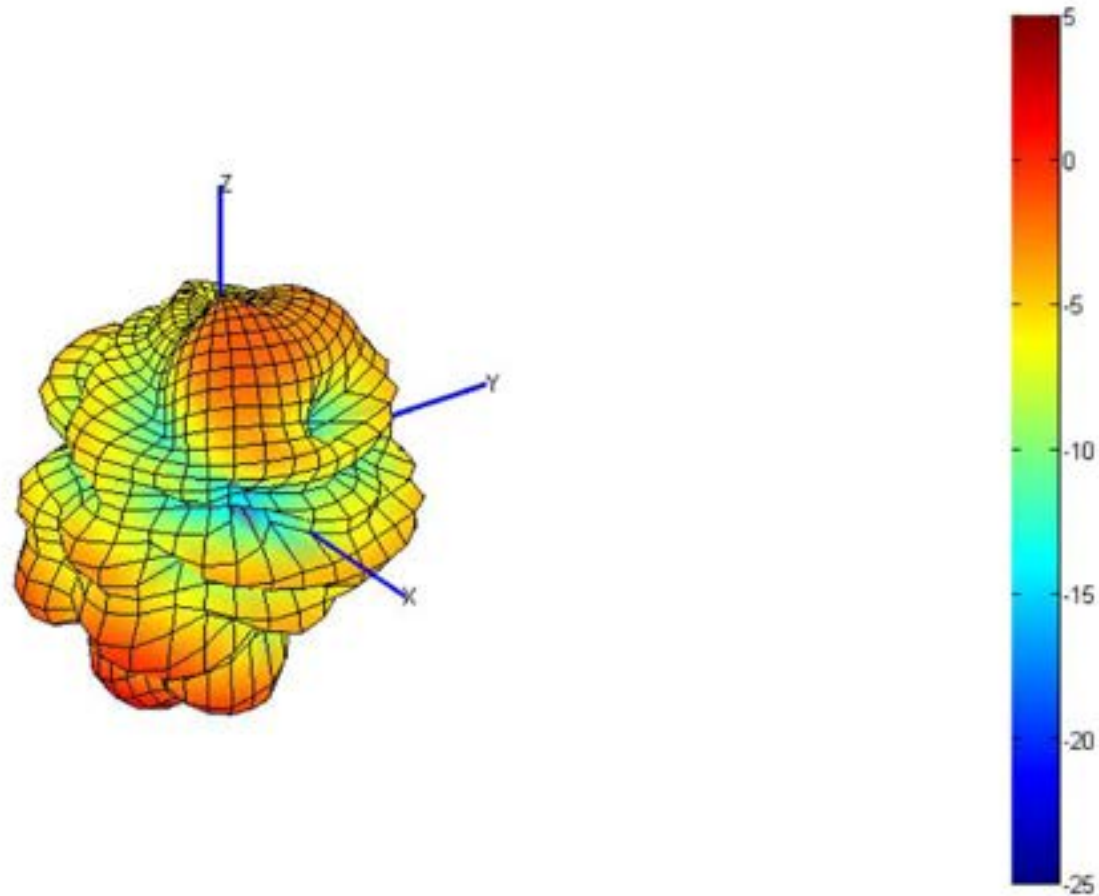
LTE Primary Antenna – NA 3D Gain Total - Band 26 @814MHz



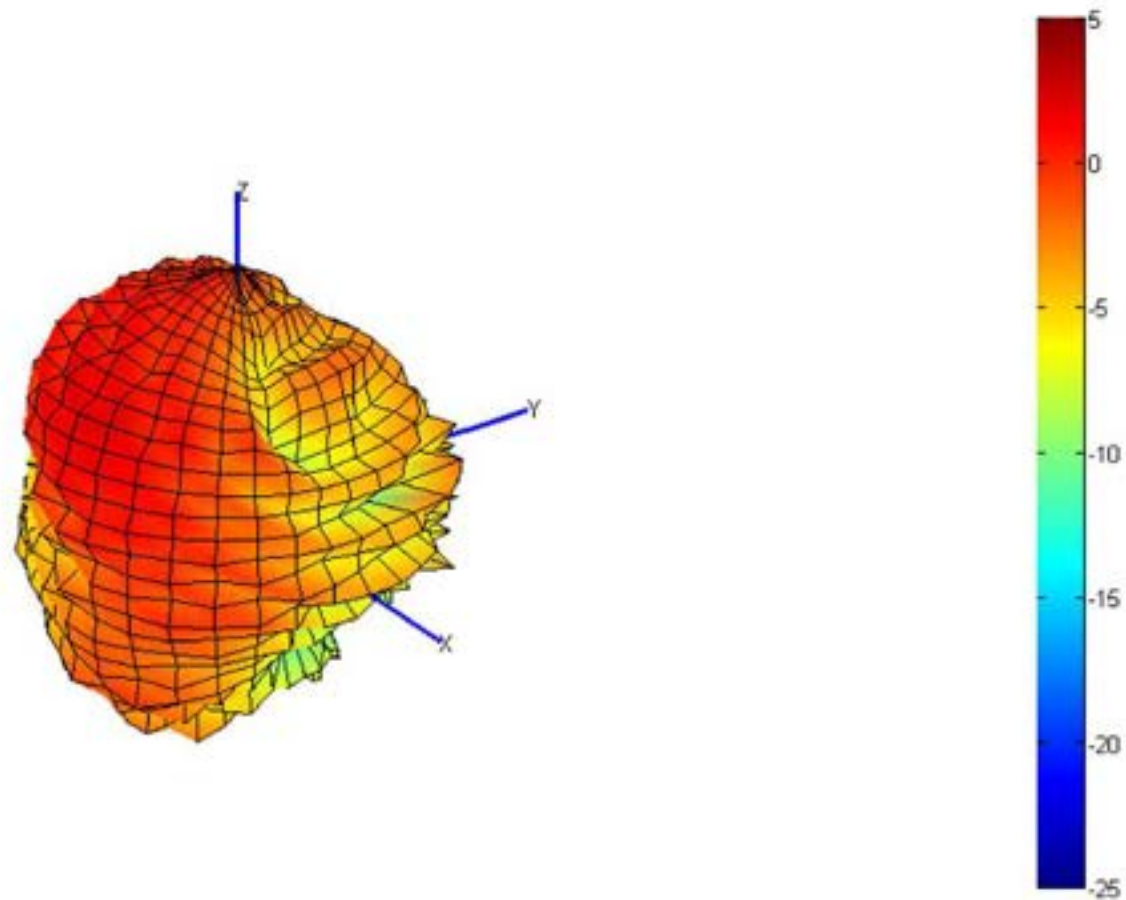
LTE Primary Antenna – NA 3D Gain Total - Band 26 @831.5MHz



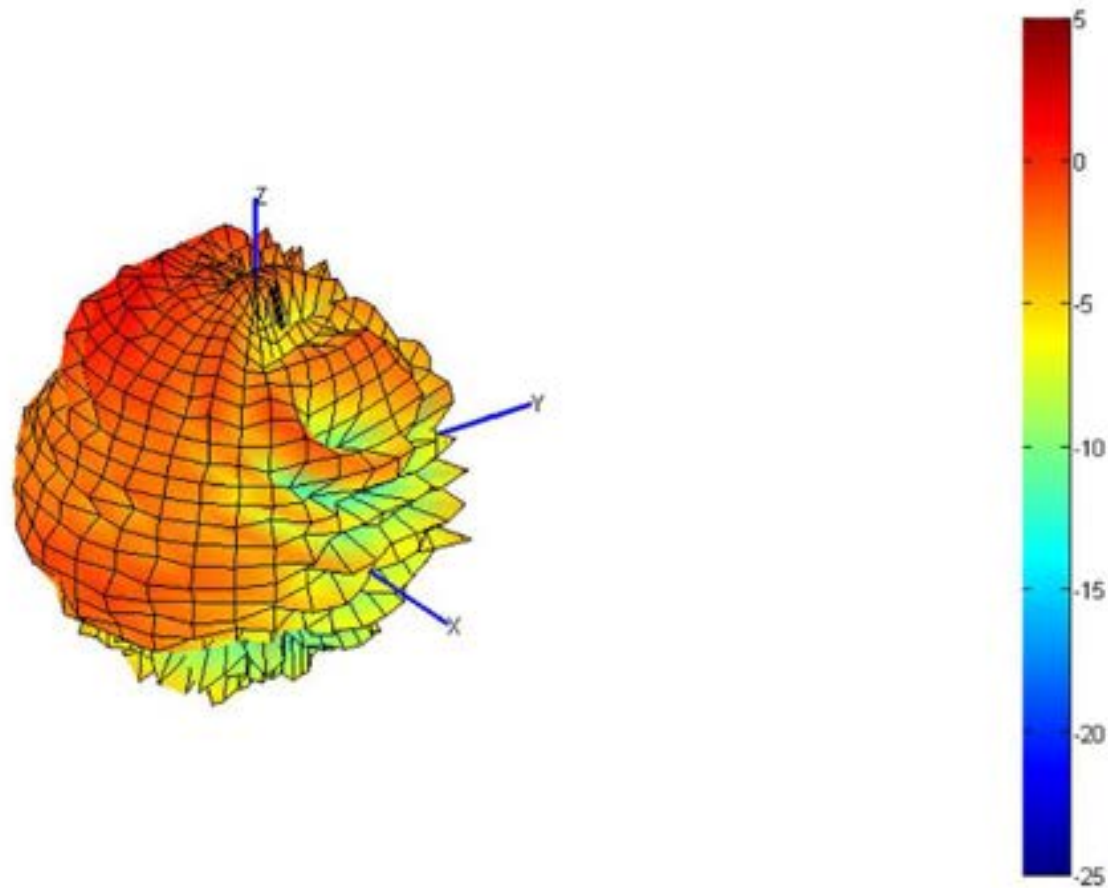
LTE Primary Antenna – NA 3D Gain Total - Band 26 @849MHz



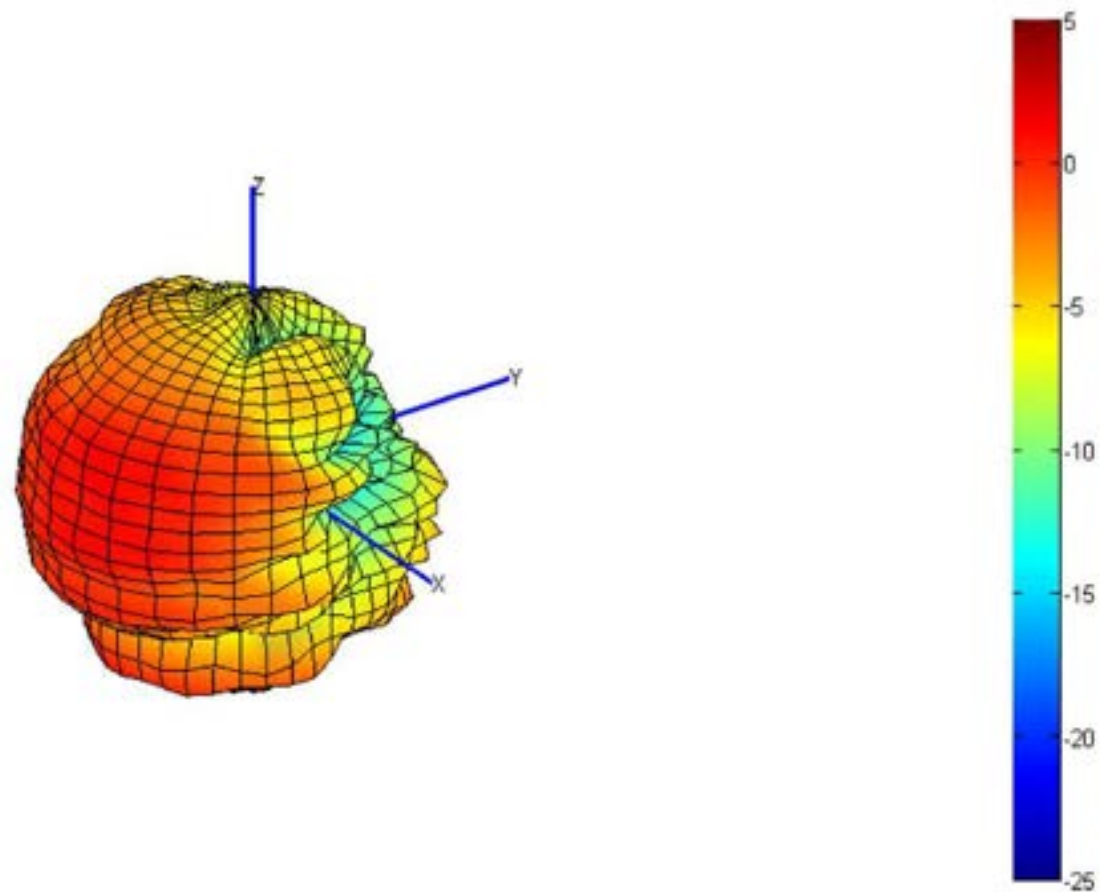
LTE Primary Antenna – NA 3D Gain Total - Band 41 @2496MHz



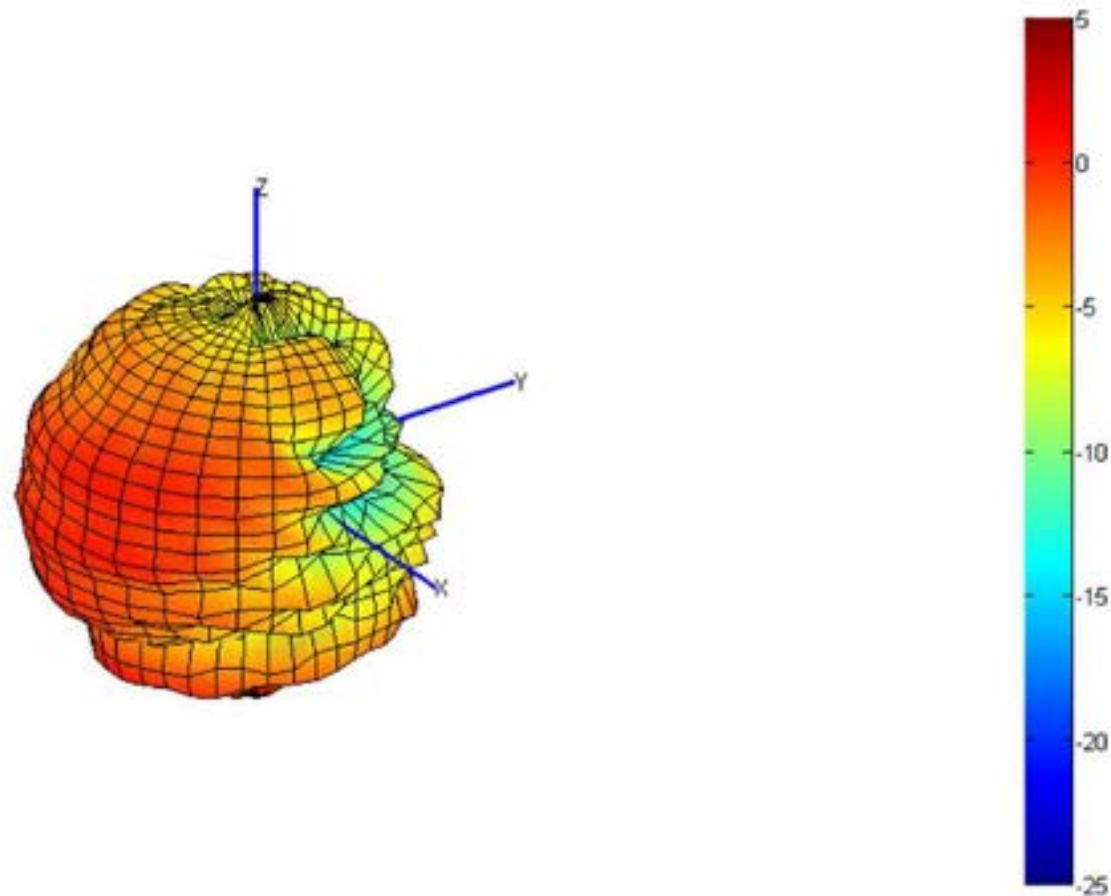
LTE Primary Antenna – NA 3D Gain Total - Band 41 @2690MHz



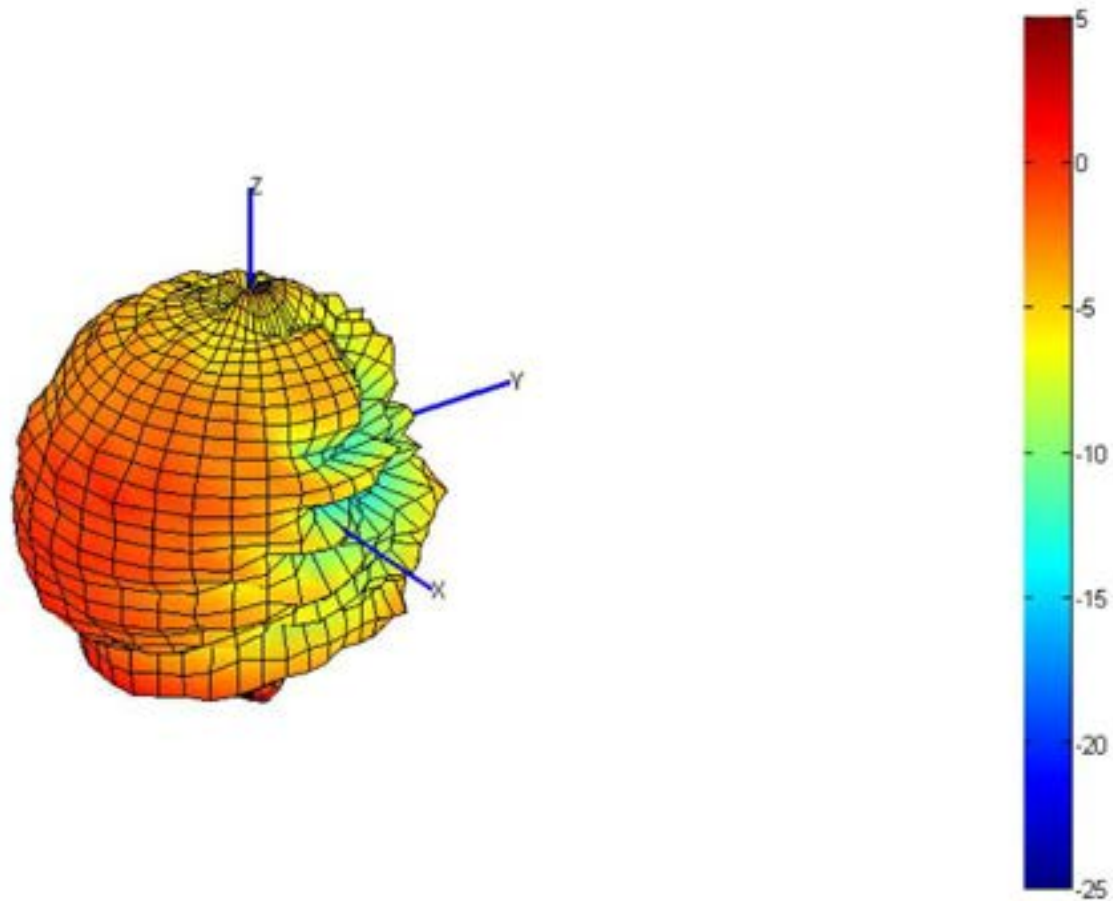
LTE Primary Antenna – NA 3D Gain Total - Band 66 @1710MHz



LTE Primary Antenna – NA 3D Gain Total - Band 66 @1745MHz



LTE Primary Antenna – NA 3D Gain Total - Band 66 @1780MHz



LTE Primary Antenna (EA/JP version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 1 EA/JP	1920	+0.7
	1950	+1.0
	1980	+1.6
Band 2 EA	1850	+0.4
	1880	+0.3
	1910	+0.6
Band 3 EA/JP	1710	+1.5
	1747.5	+1.8
	1785	+1.2
Band 4 EA	1710	+1.5
	1732.5	+1.8
	1755	+1.8

LTE Primary Antenna (EA/JP version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 5 EA	824	+1.0
	836.5	+2.2
	849	+3.2
Band 7 EA	2500	+2.0
	2535	+2.4
	2570	+3.1
Band 8 EA/JP	880	+3.1
	897.5	+2.0
	915	+0.6
Band 18 JP	815	+0.2
	822.5	+0.8
	830	+1.5

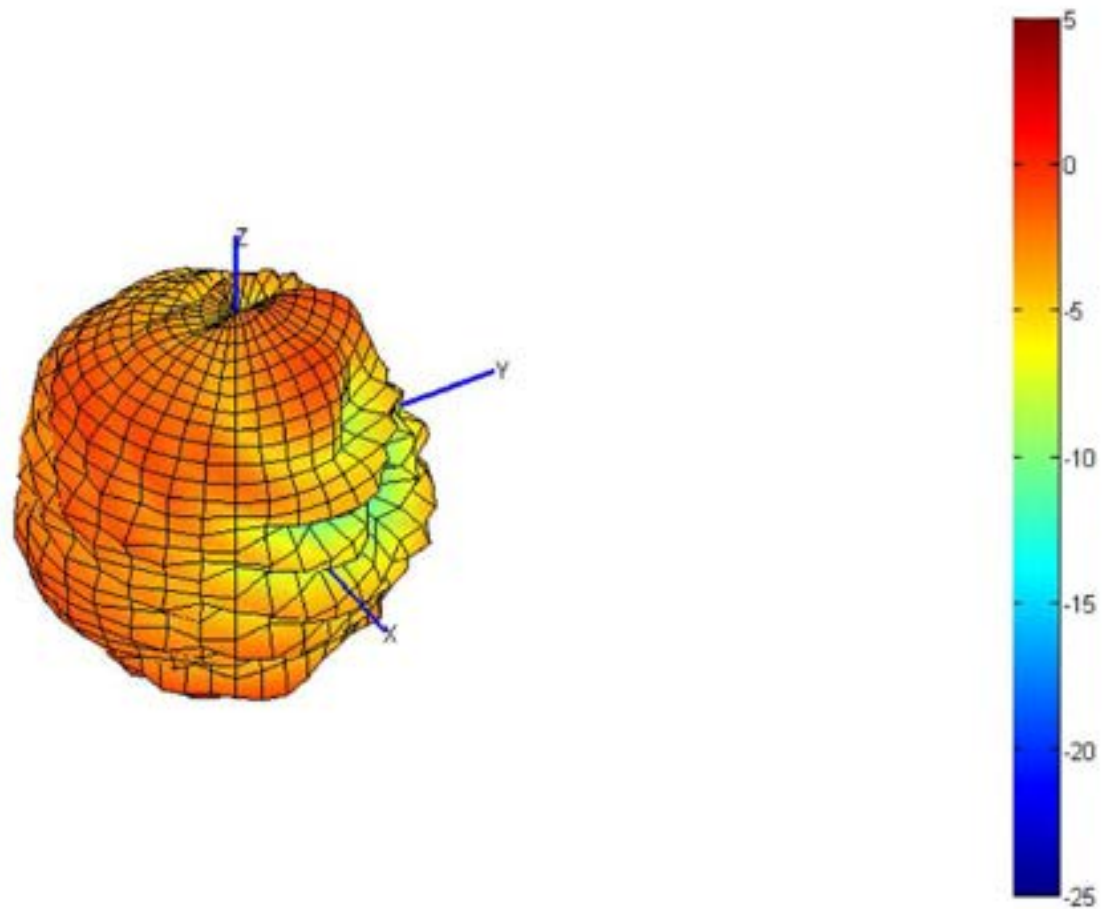
LTE Primary Antenna (EA/JP version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 19 JP	830	+1.5
	837.5	+2.4
	845	+2.8
Band 20 EA	832	+1.7
	847	+2.9
	862	+3.4
Band 26 JP	814	+0.2
	831.5	+1.7
	849	+3.2
Band 28 EA/JP	703	-0.3
	725.5	+0.5
	748	-0.3

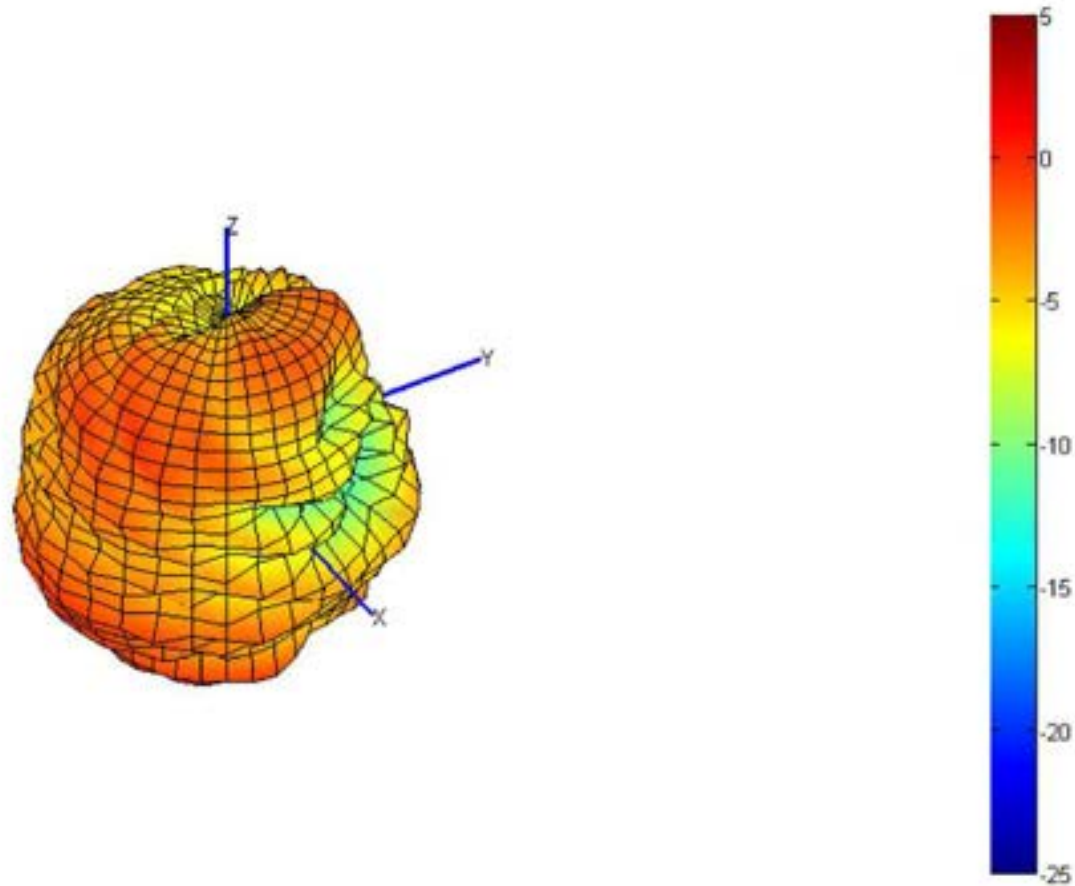
LTE Primary Antenna (EA/JP version) Gain

Operating Bands	Frequency [MHz]	Max Gain [dBi]
Band 34 EA	2010	+2.0
	2017.5	+1.7
	2025	+1.3
Band 38 EA	2570	+3.1
	2620	+2.3
Band 39 EA	1880	+0.3
	1900	+0.6
	1920	+0.7
Band 40 EA	2300	+2.7
	2400	+3.0
Band 41 EA/JP	2496	+2.1
	2690	+1.1

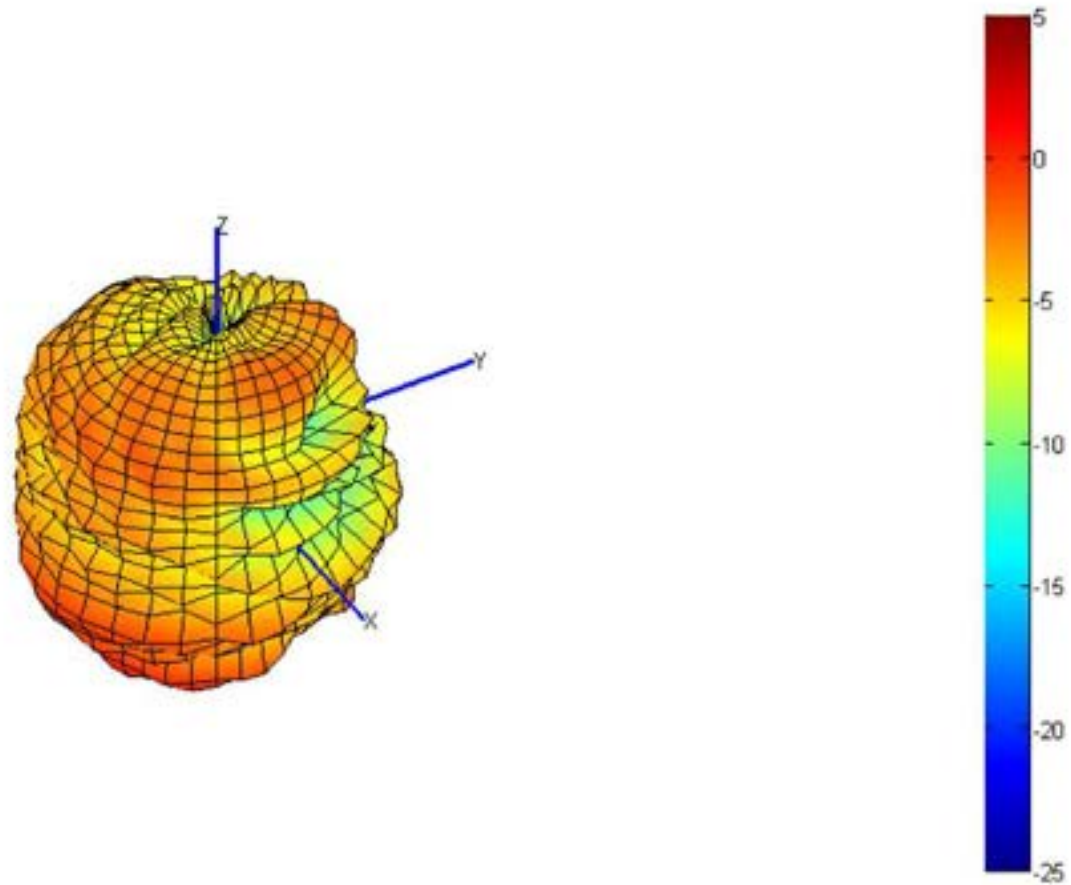
LTE Primary Antenna – EA/JP 3D Gain Total - Band 1 @1920MHz



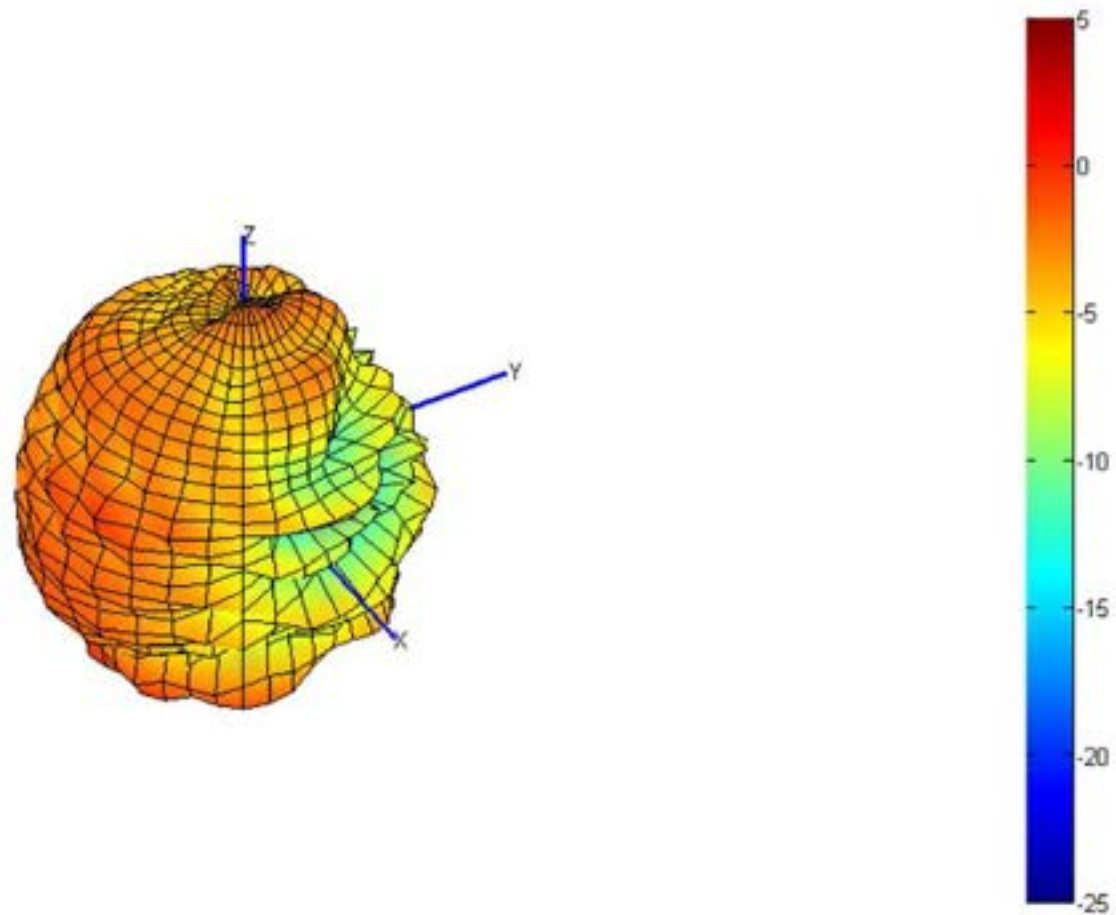
LTE Primary Antenna – EA/JP 3D Gain Total - Band 1 @1950MHz



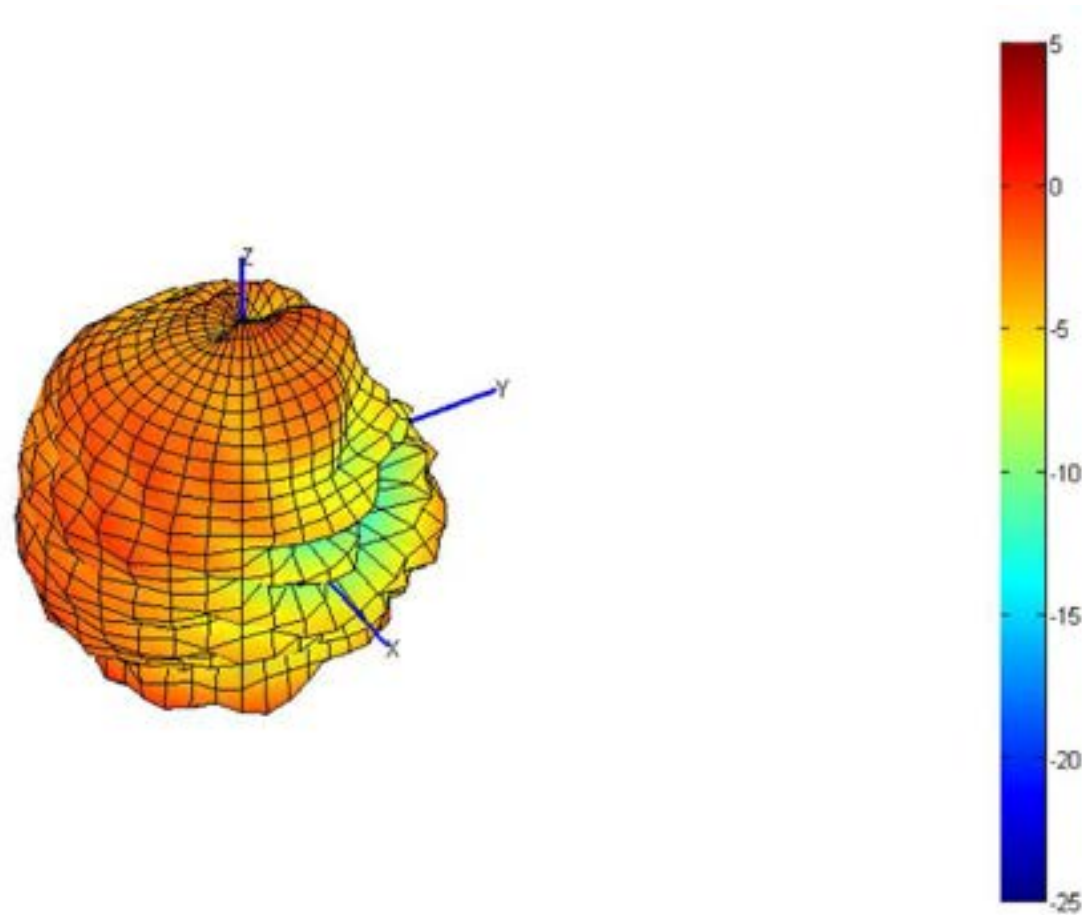
LTE Primary Antenna – EA/JP 3D Gain Total - Band 1 @1980MHz



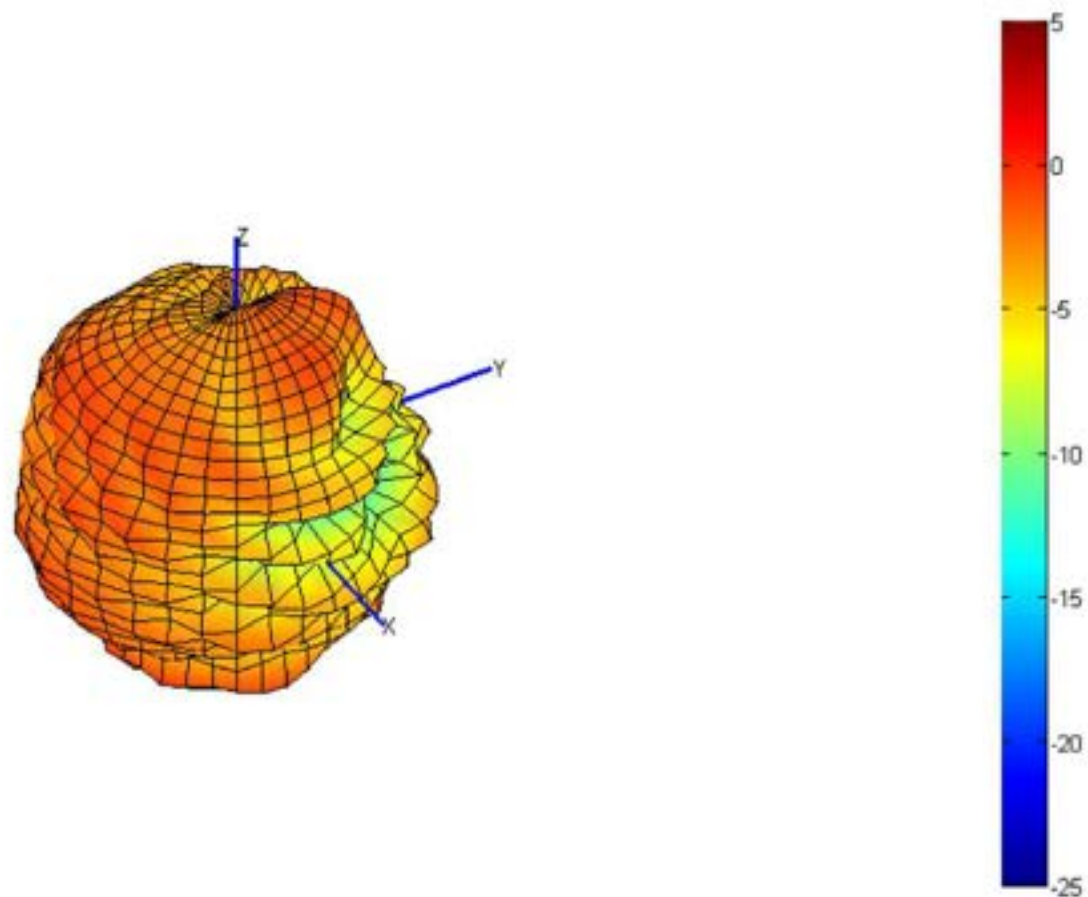
LTE Primary Antenna – EA 3D Gain Total - Band 2 @1850MHz



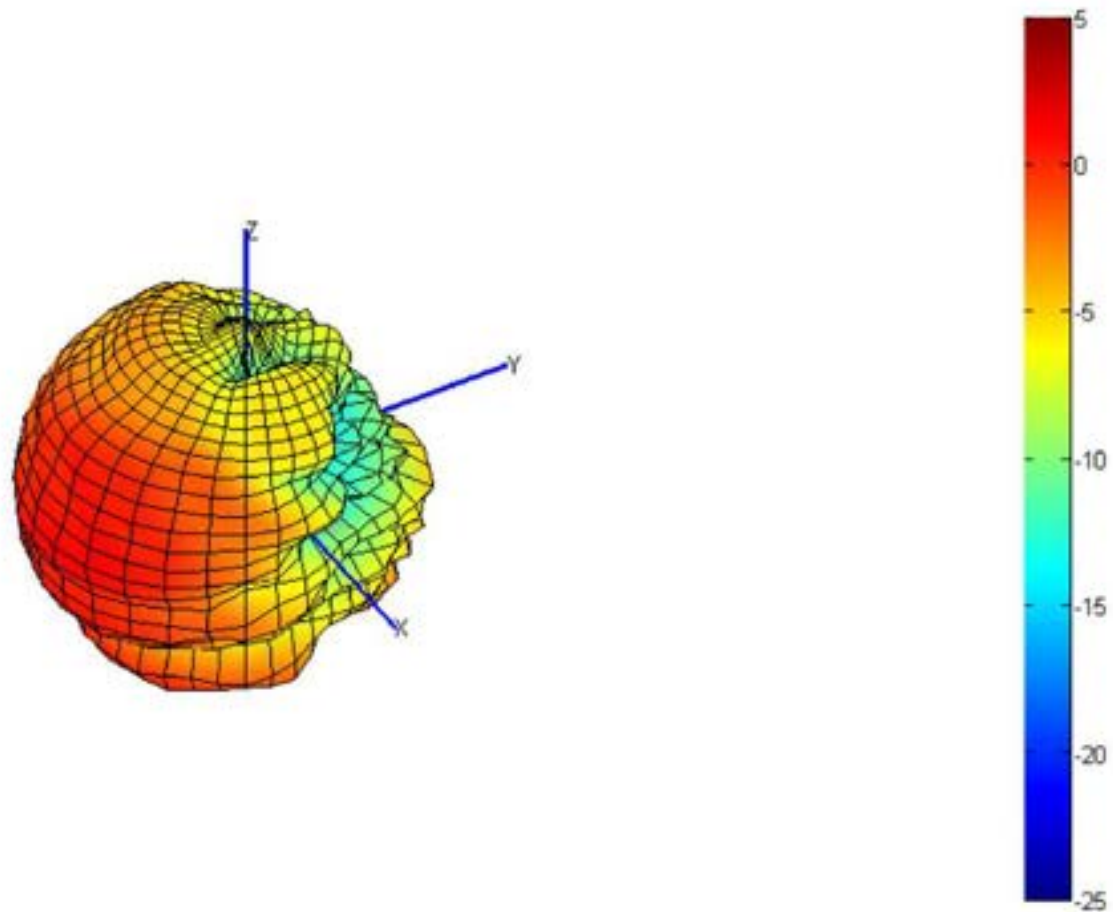
LTE Primary Antenna – EA 3D Gain Total - Band 2 @1880MHz



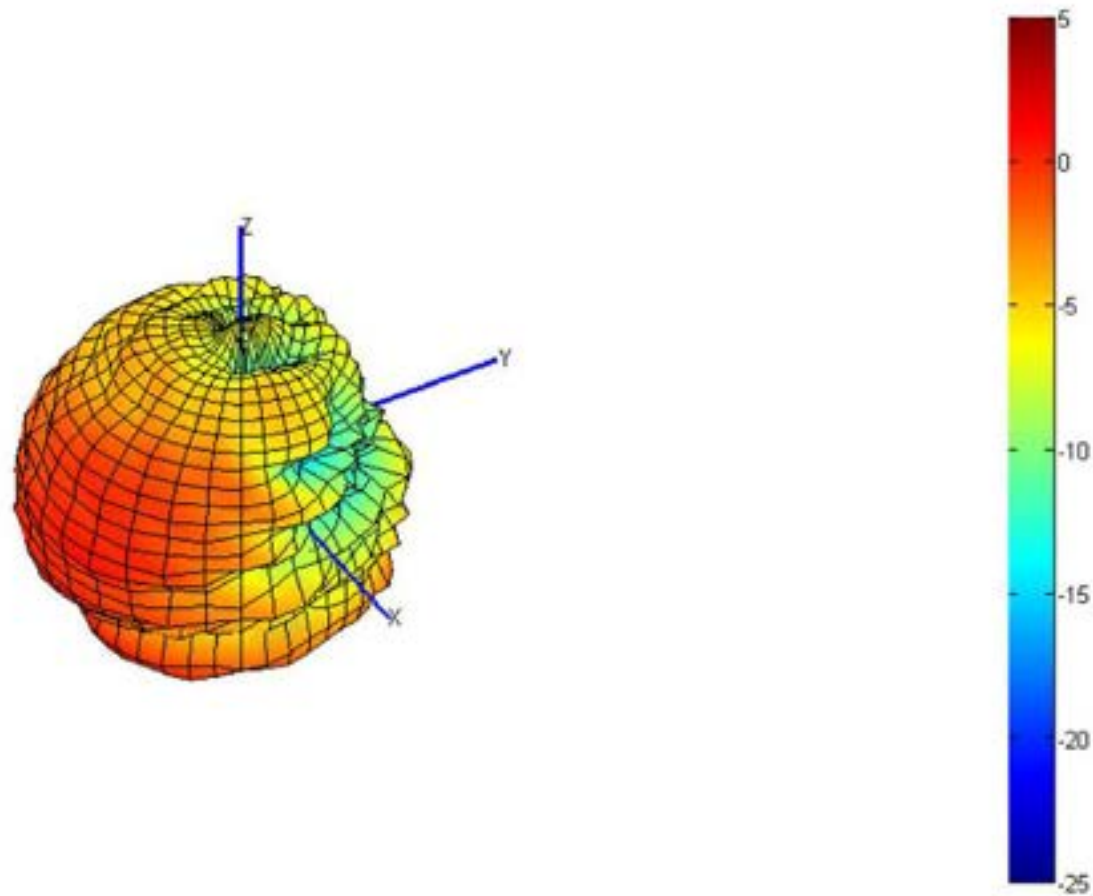
LTE Primary Antenna – EA 3D Gain Total - Band 2 @1910MHz



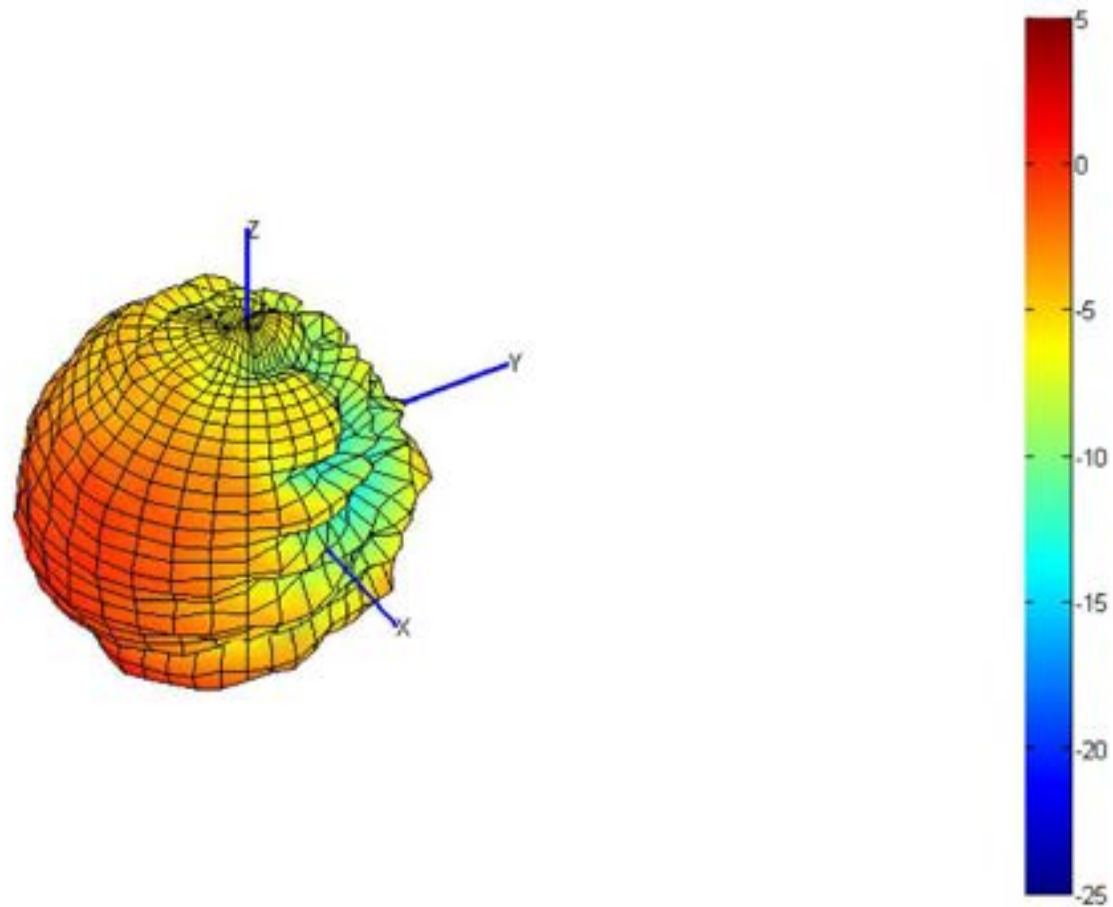
LTE Primary Antenna – EA/JP 3D Gain Total - Band 3 @1710MHz



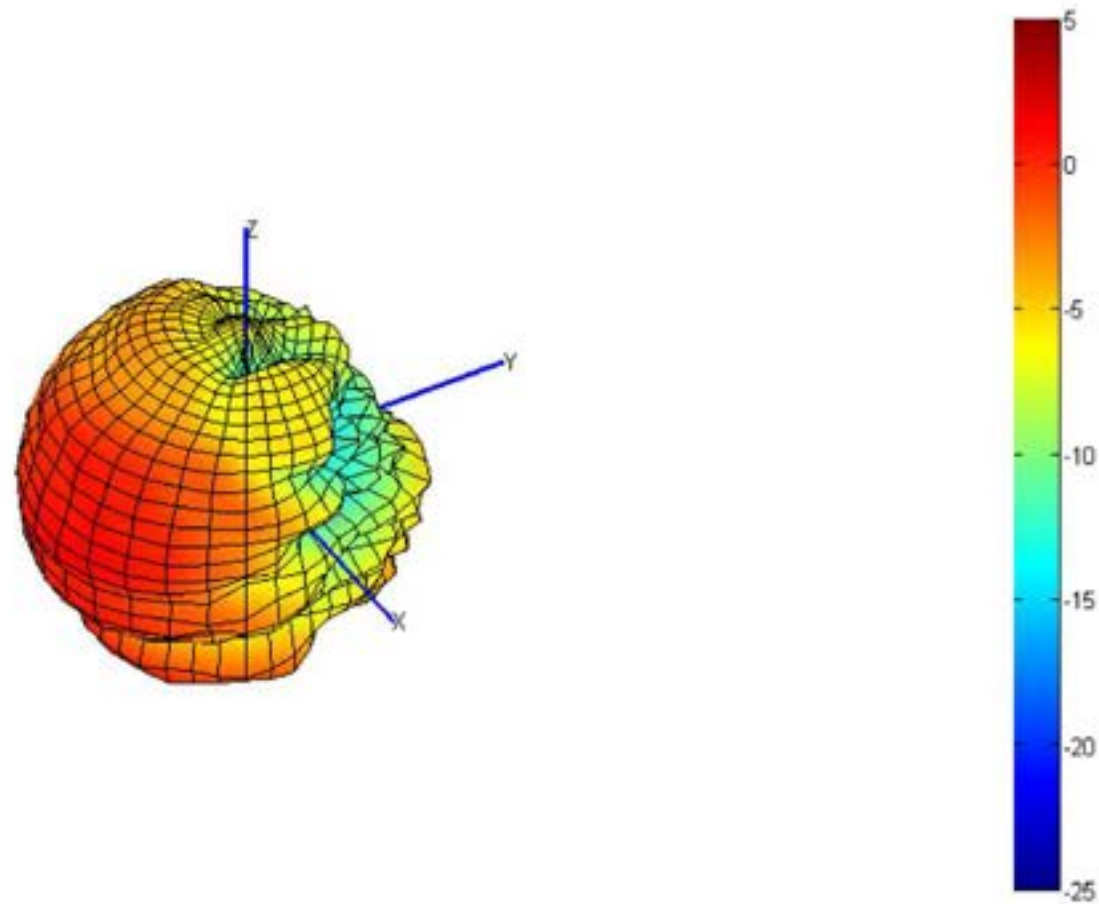
LTE Primary Antenna – EA/JP 3D Gain Total - Band 3 @1747.5MHz



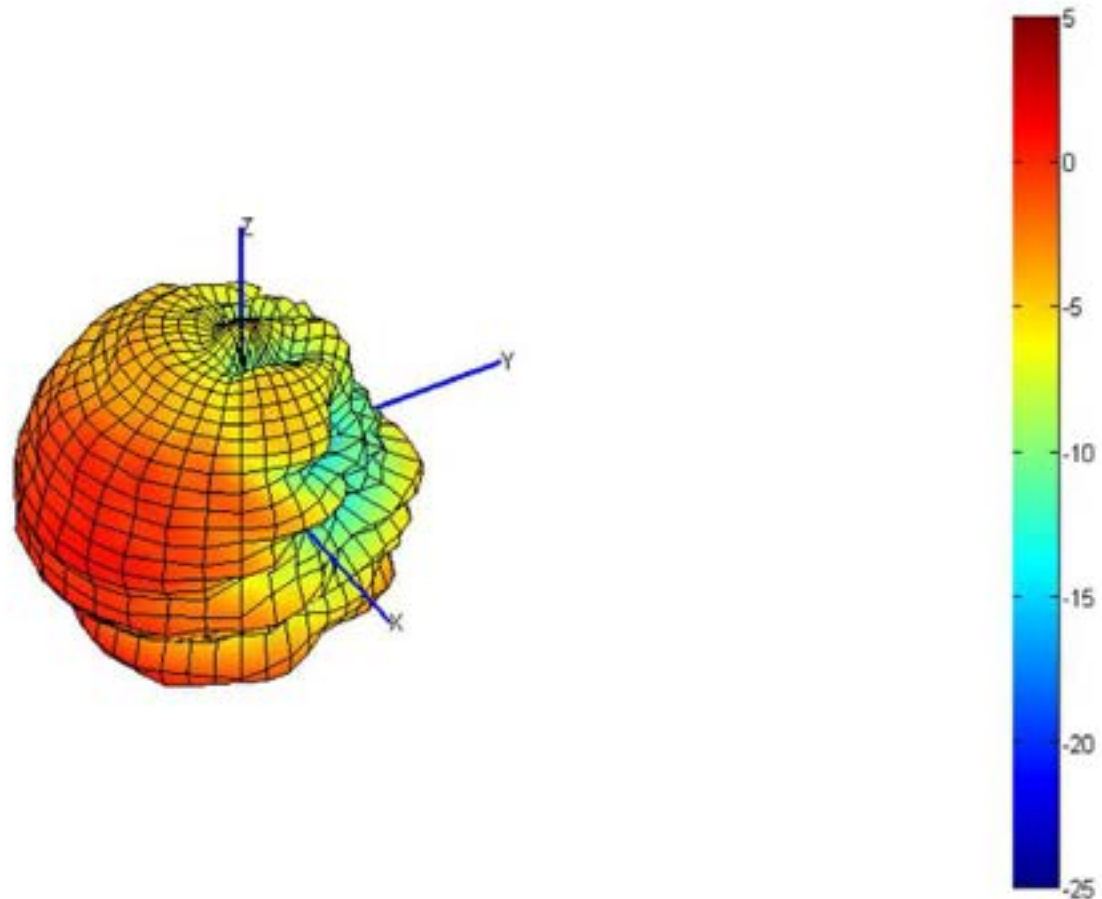
LTE Primary Antenna – EA/JP 3D Gain Total - Band 3 @1785MHz



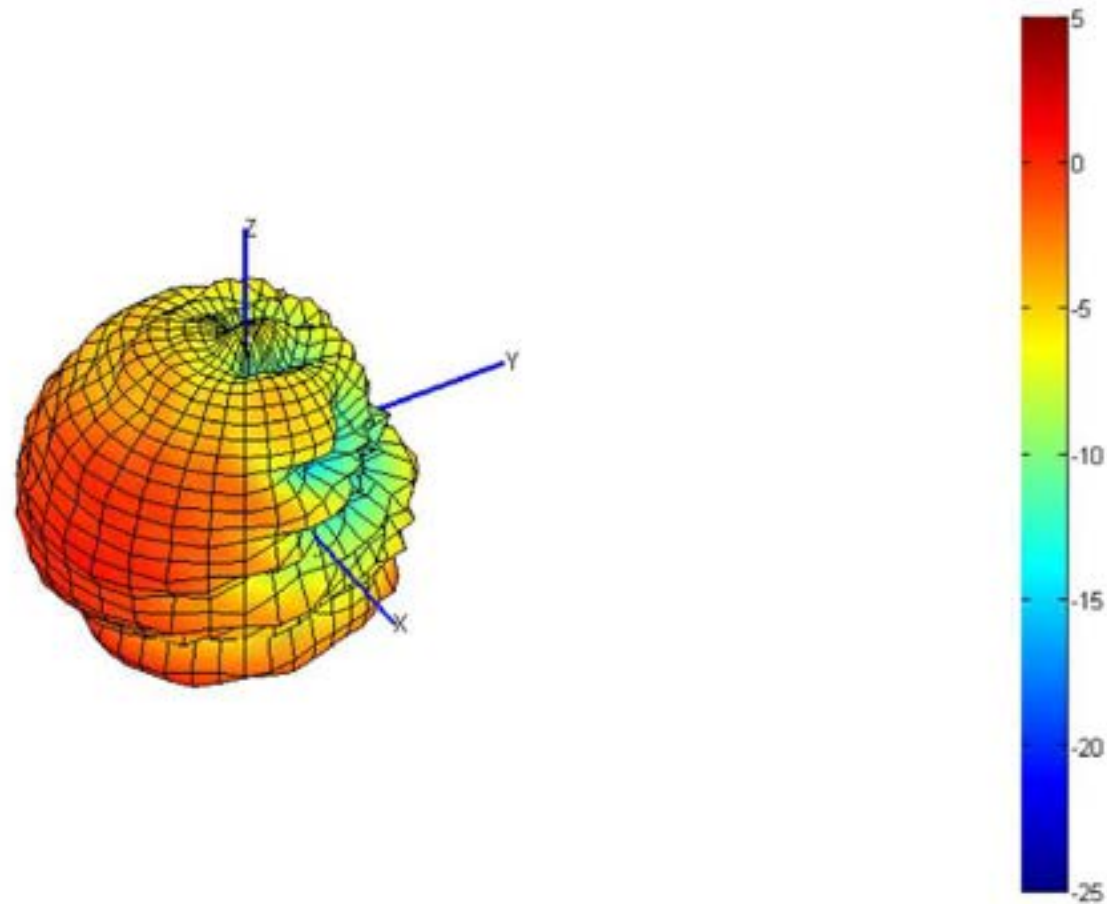
LTE Primary Antenna – EA 3D Gain Total - Band 4 @1710MHz



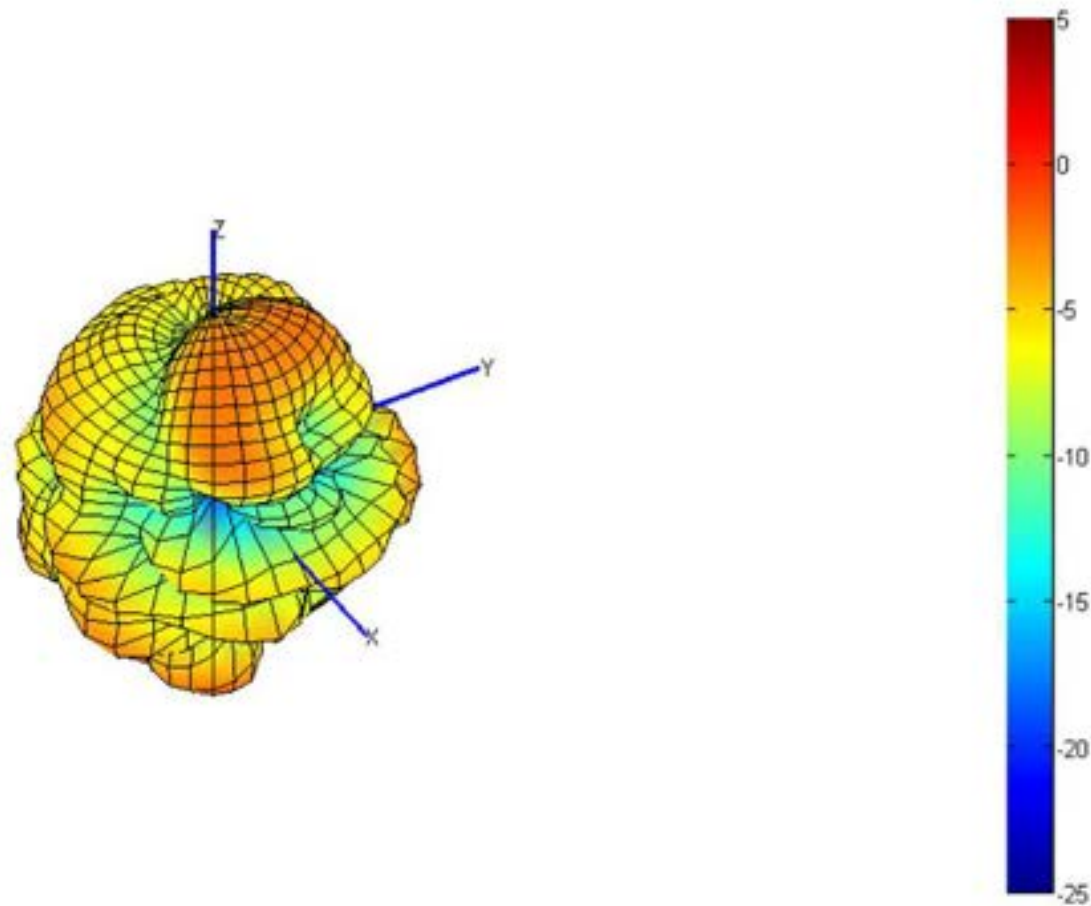
LTE Primary Antenna – EA 3D Gain Total - Band 4 @1732.5MHz



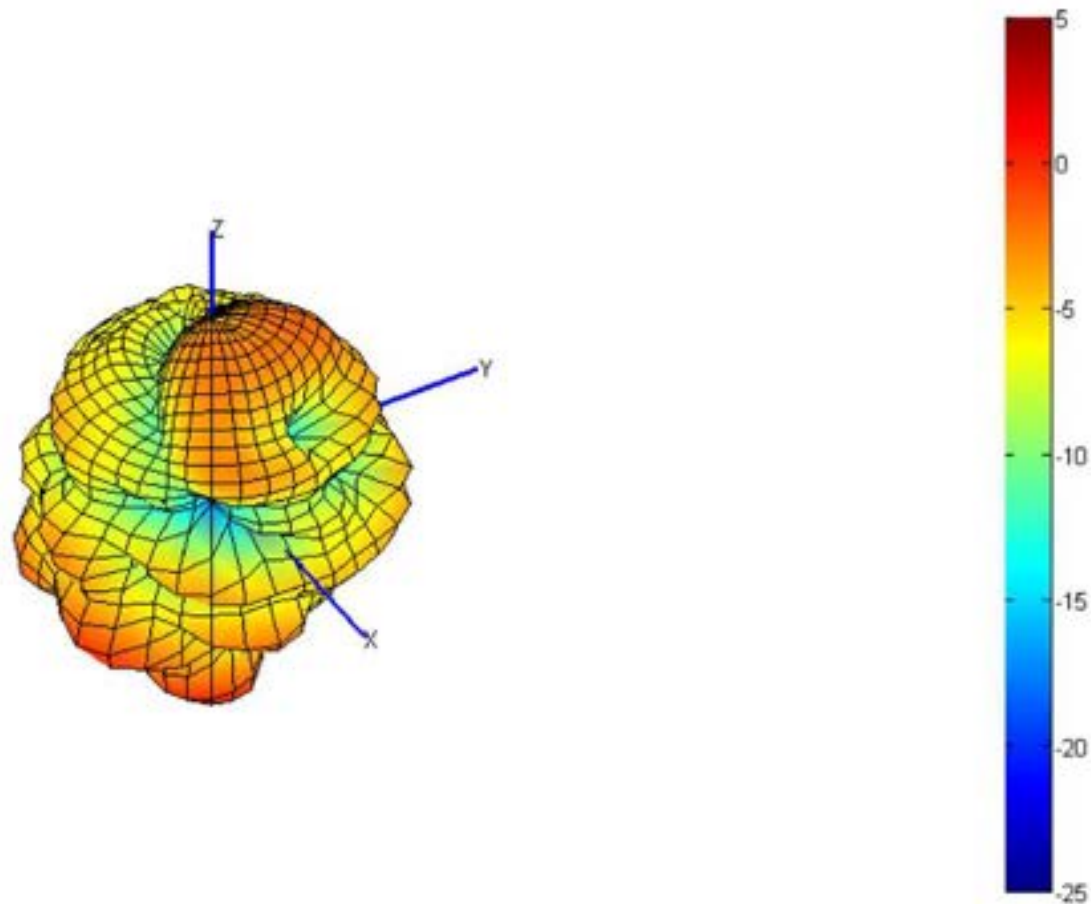
LTE Primary Antenna – EA 3D Gain Total - Band 4 @1755MHz



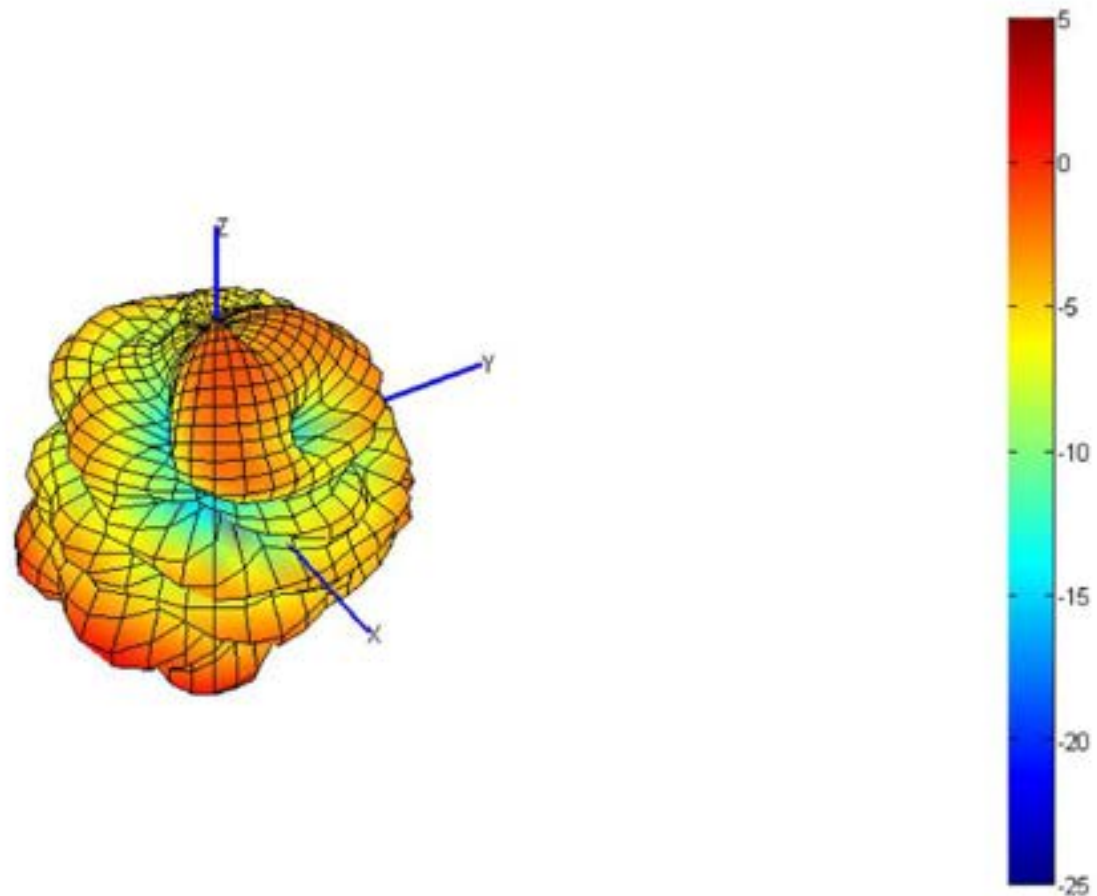
LTE Primary Antenna – EA 3D Gain Total - Band 5 @824MHz



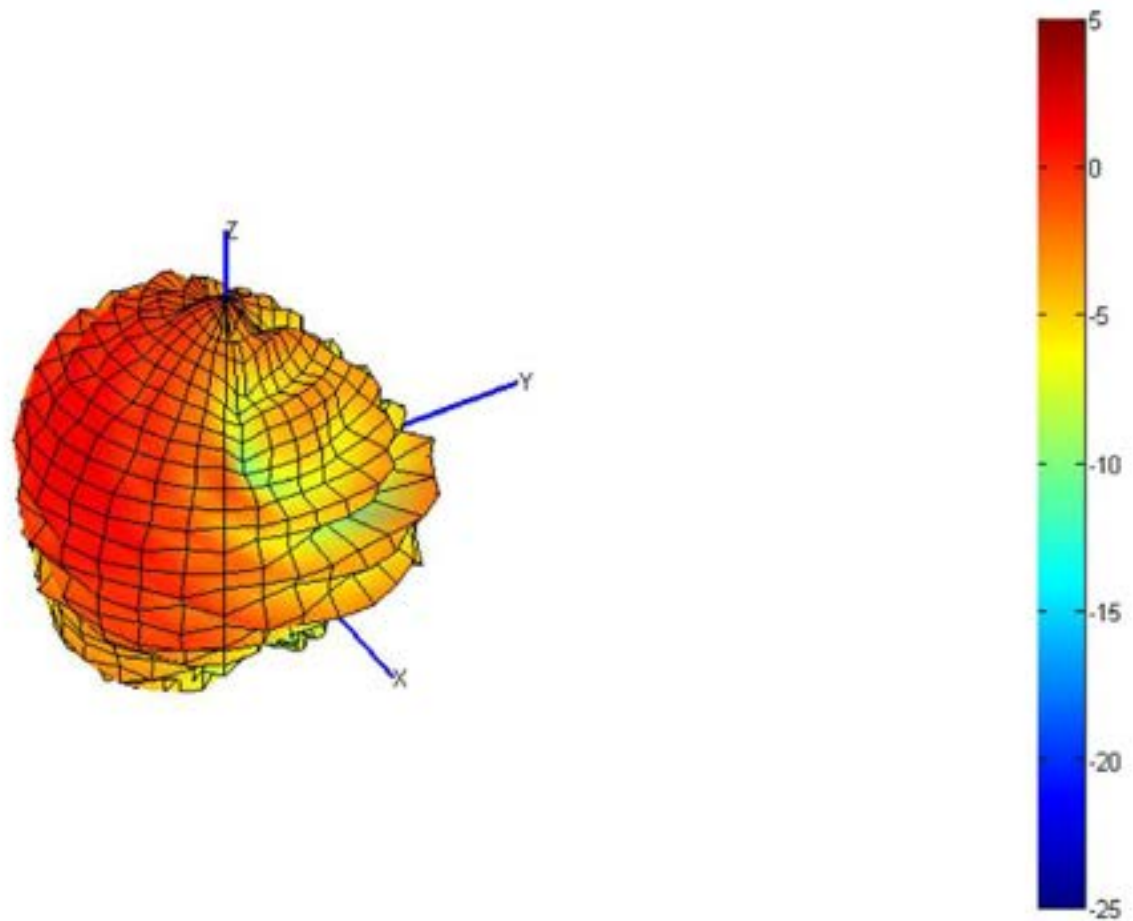
LTE Primary Antenna – EA 3D Gain Total - Band 5 @836.5MHz



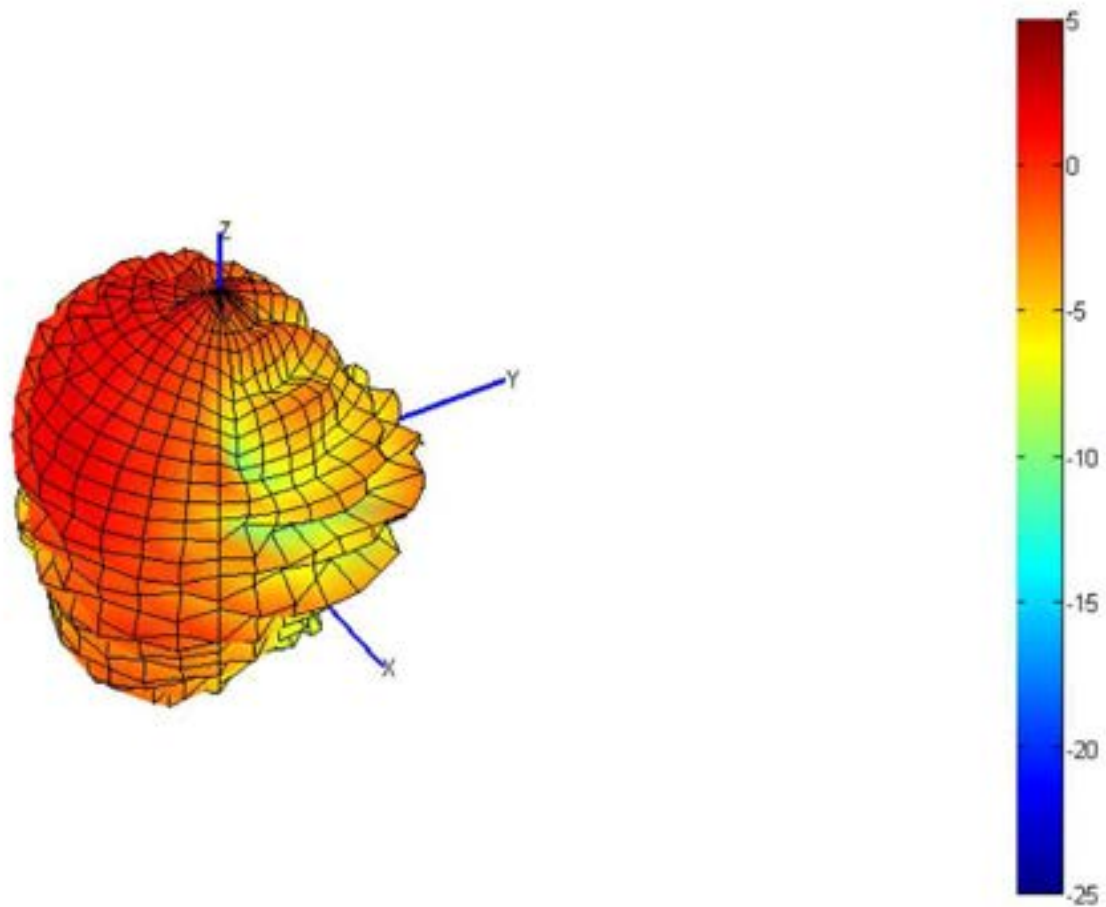
LTE Primary Antenna – EA 3D Gain Total - Band 5 @849MHz



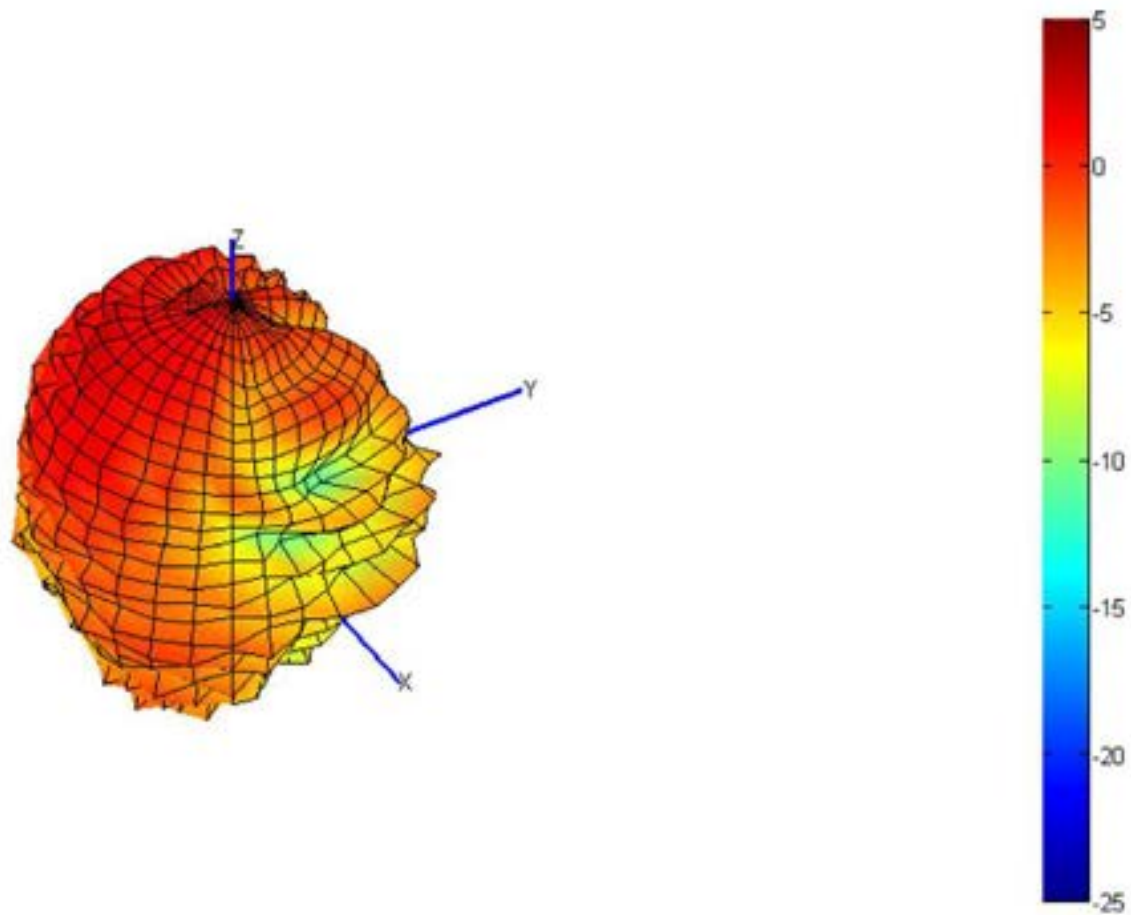
LTE Primary Antenna – EA 3D Gain Total - Band 7 @2500MHz



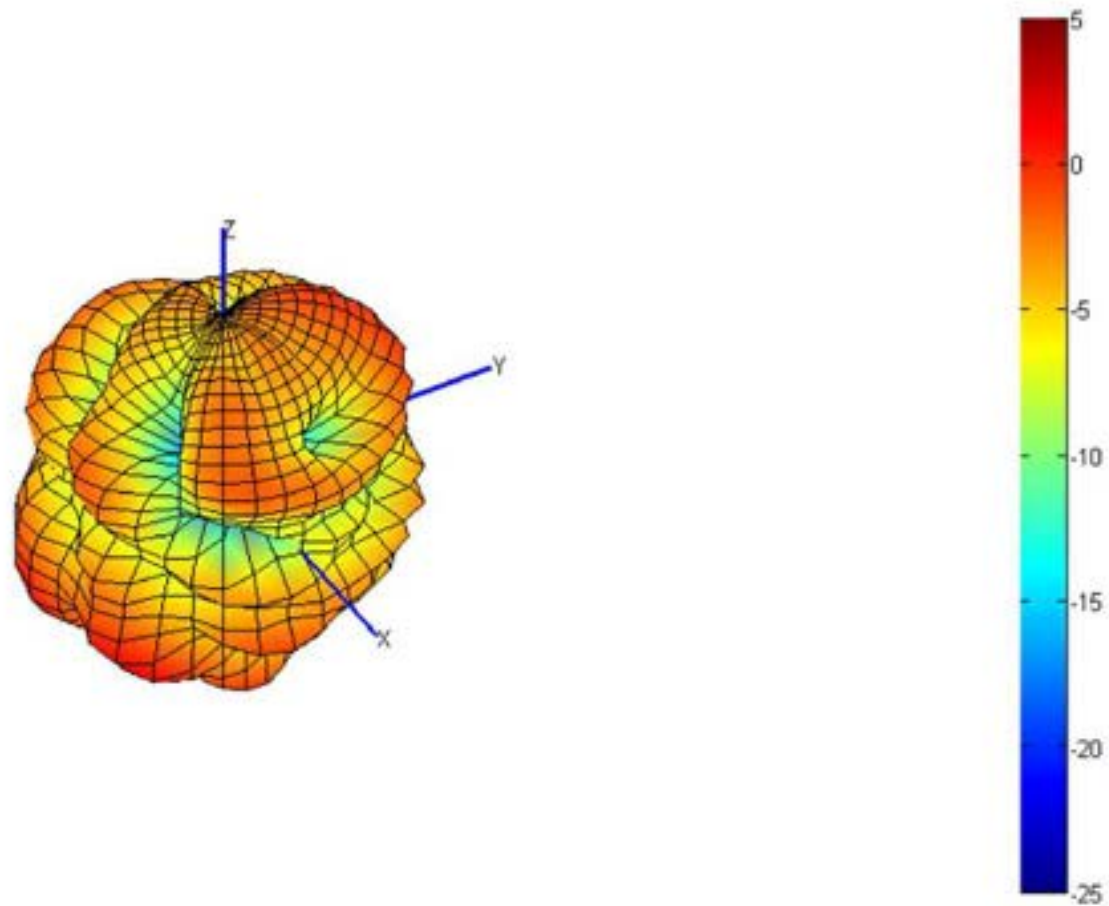
LTE Primary Antenna – EA 3D Gain Total - Band 7 @2535MHz



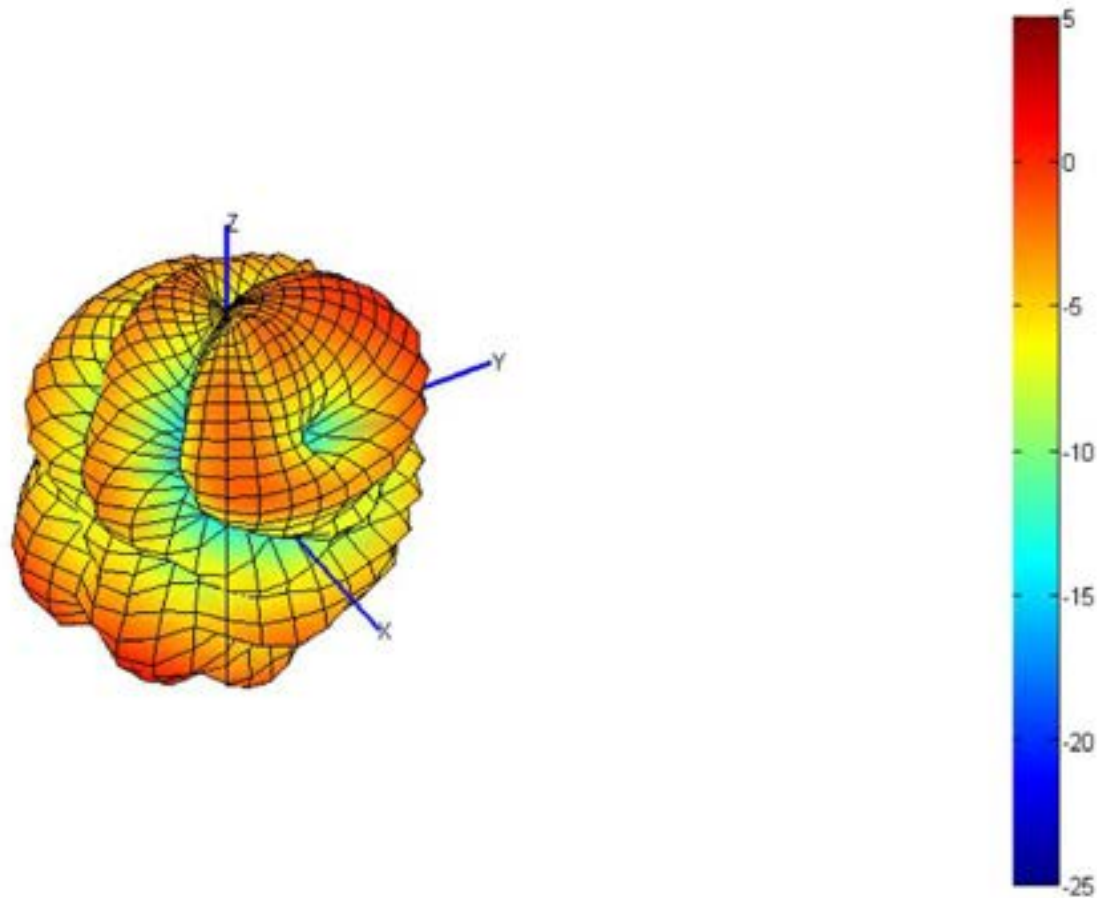
LTE Primary Antenna – EA 3D Gain Total - Band 7 @2570MHz



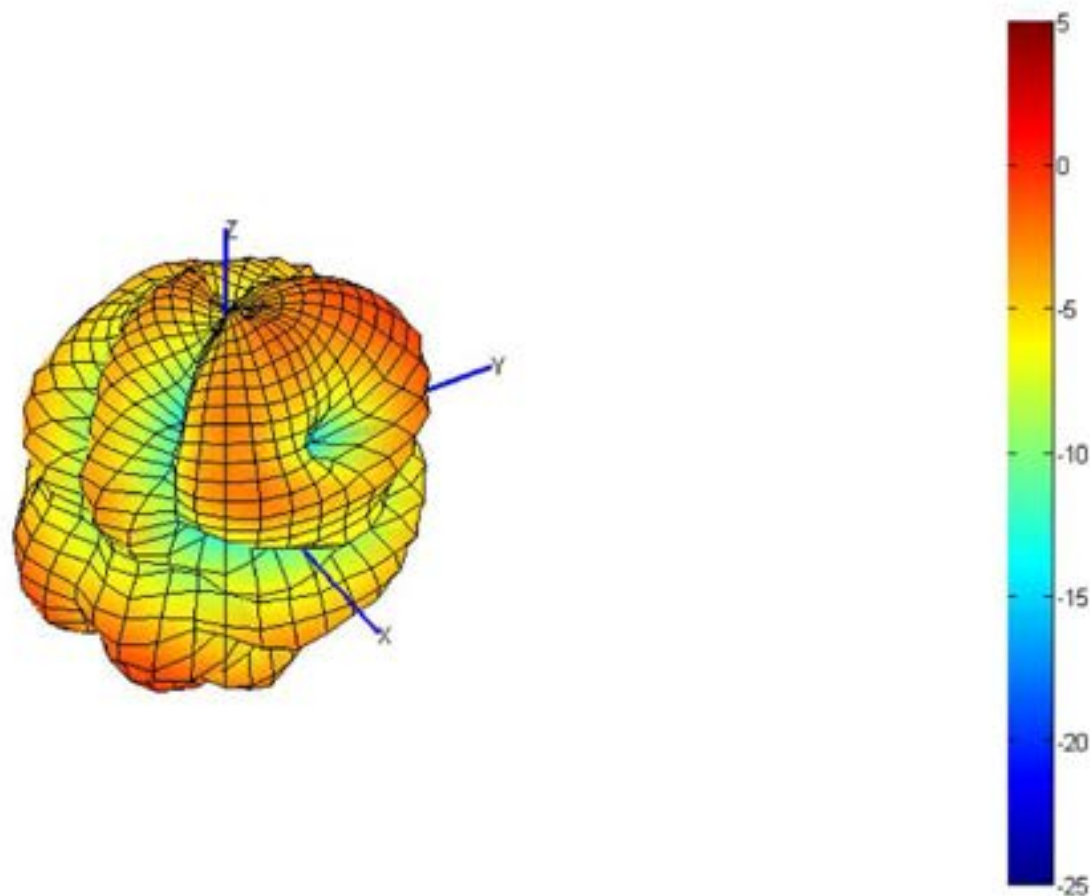
LTE Primary Antenna – EA/JP 3D Gain Total - Band 8 @880MHz



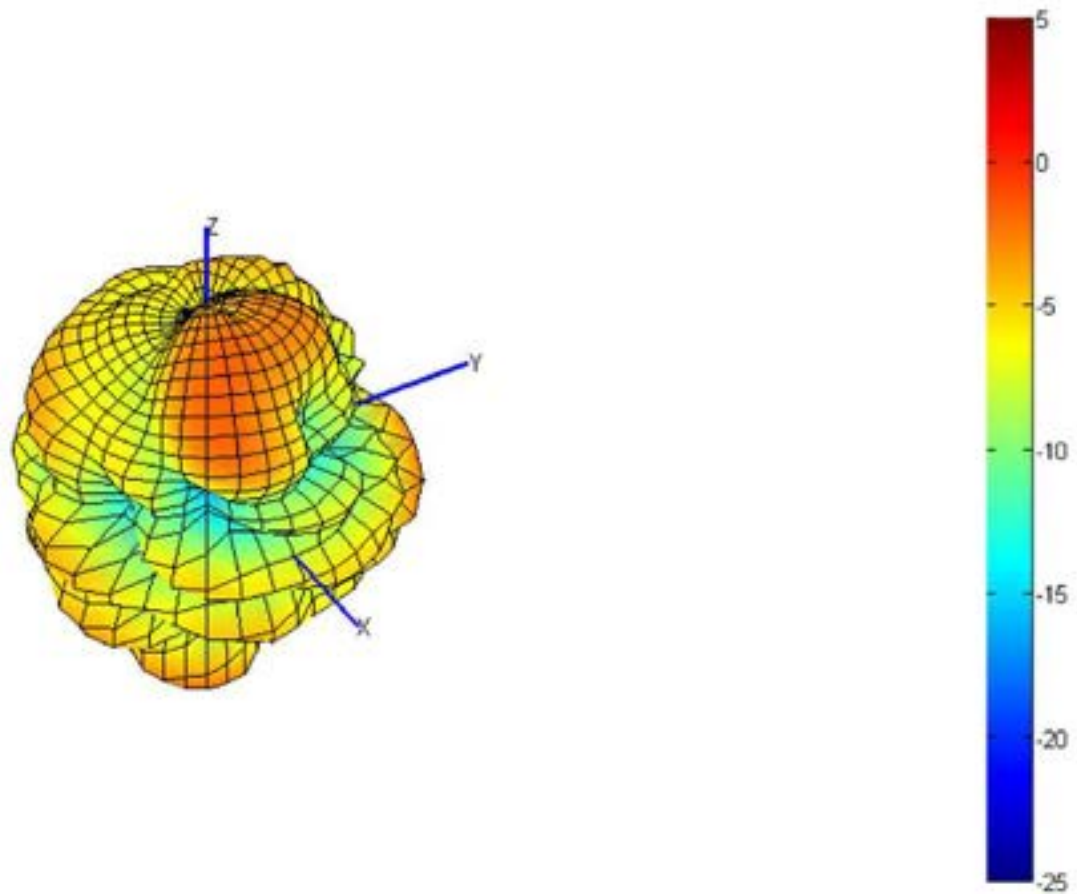
LTE Primary Antenna – EA/JP 3D Gain Total - Band 8 @897.5MHz



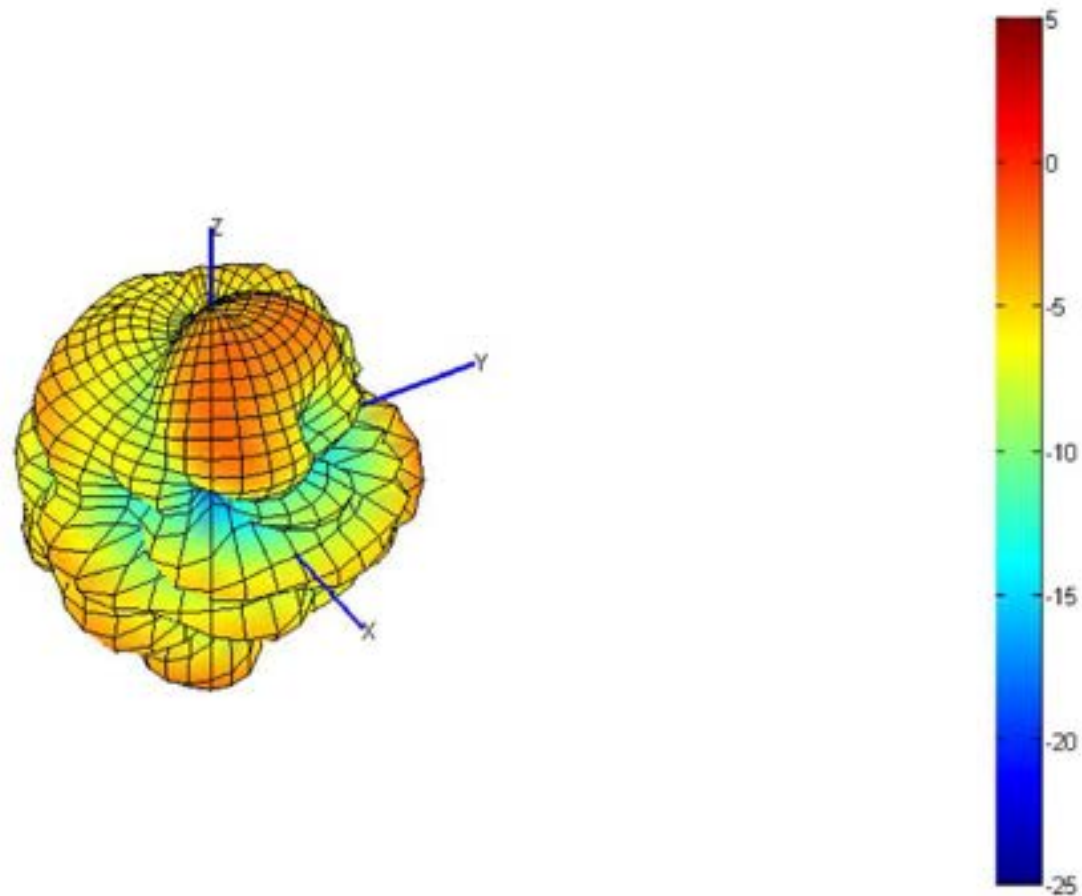
LTE Primary Antenna – EA/JP 3D Gain Total - Band 8 @915MHz



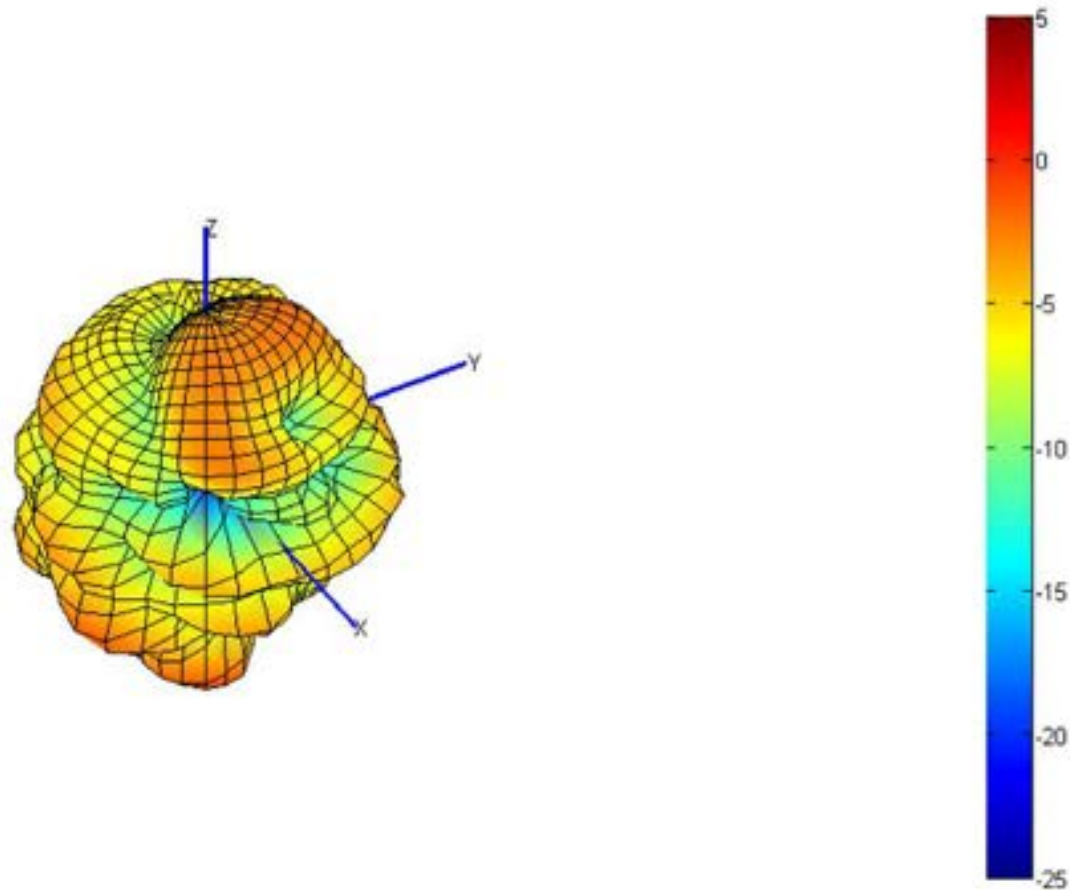
LTE Primary Antenna – JP 3D Gain Total - Band 18 @815MHz



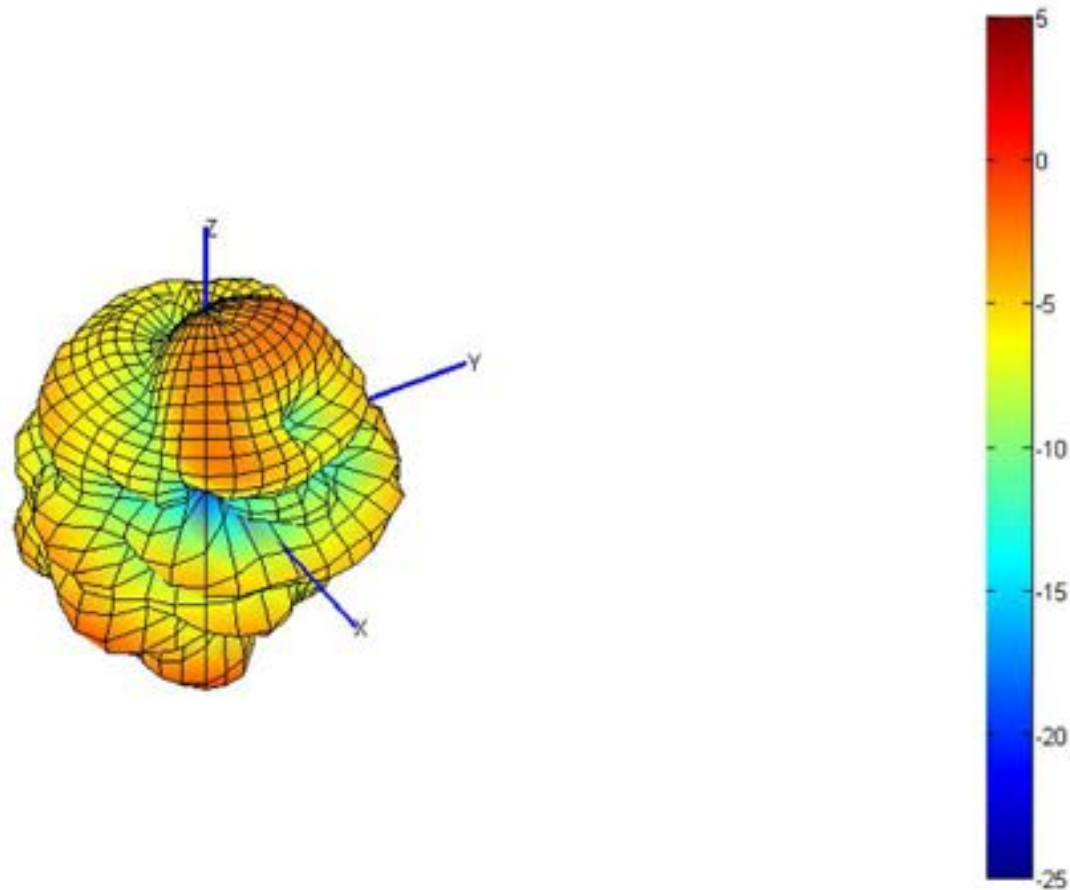
LTE Primary Antenna – JP 3D Gain Total - Band 18 @822.5MHz



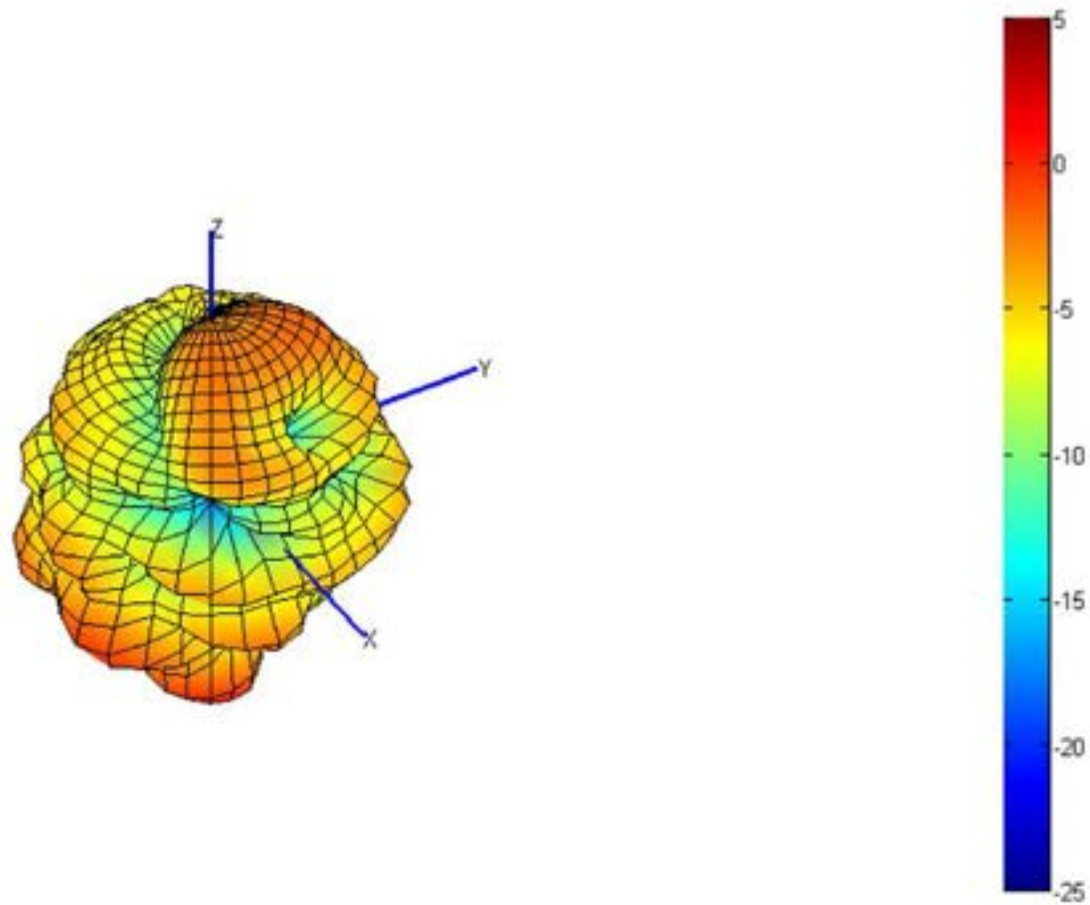
LTE Primary Antenna – JP 3D Gain Total - Band 18 @830MHz



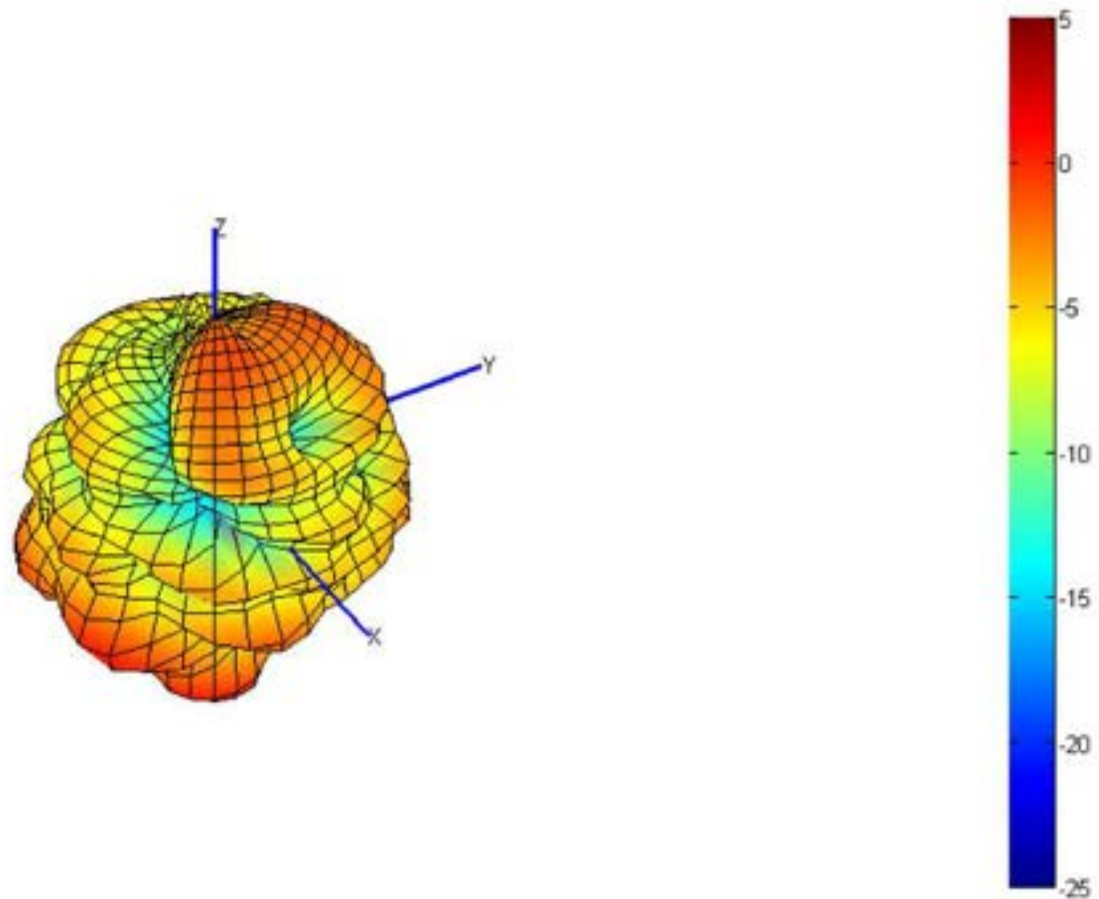
LTE Primary Antenna – JP 3D Gain Total - Band 19 @830MHz



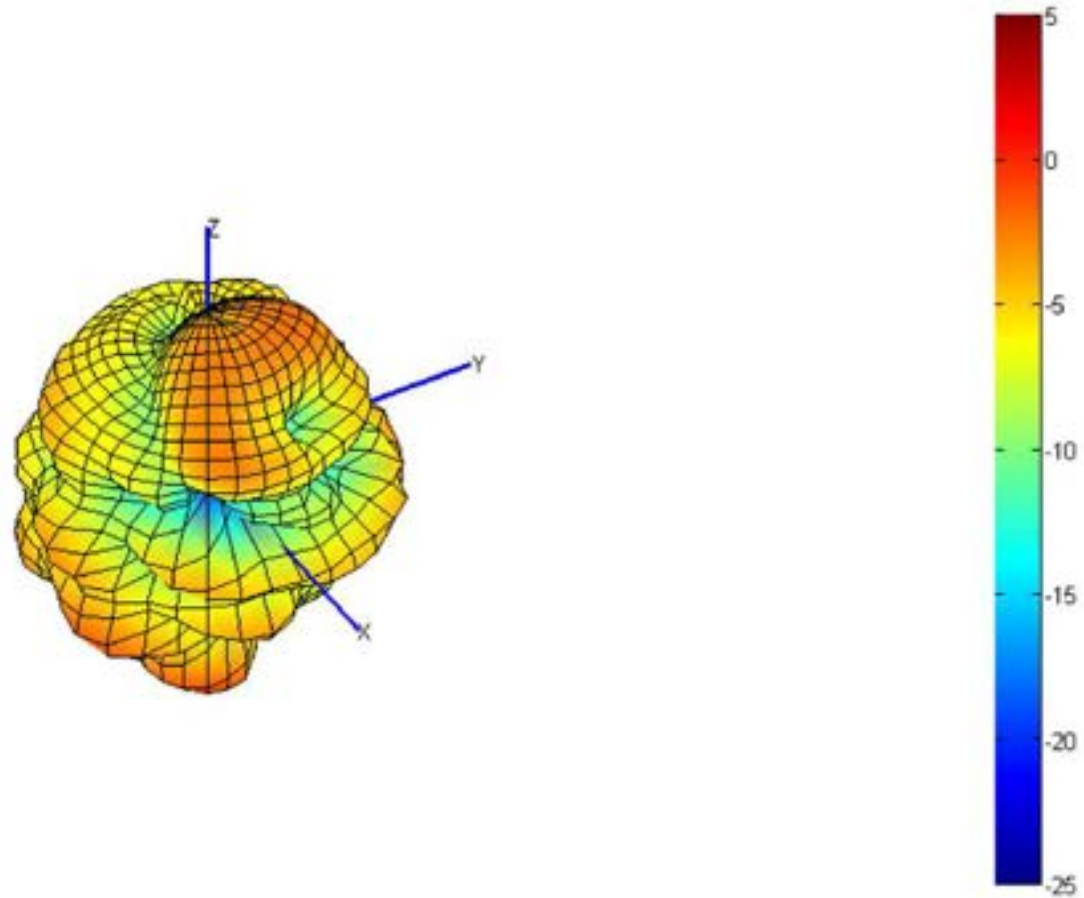
LTE Primary Antenna – JP 3D Gain Total - Band 19 @837.5MHz



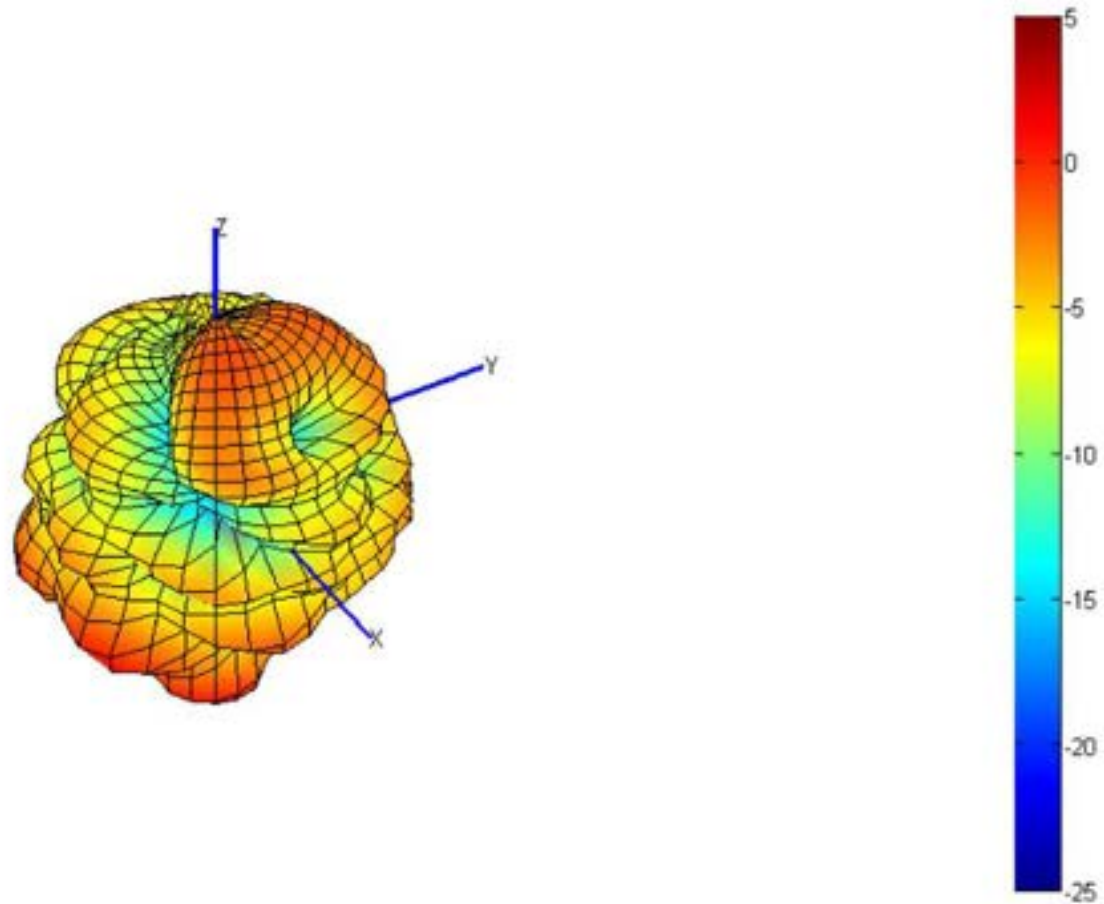
LTE Primary Antenna – JP 3D Gain Total - Band 19 @845MHz



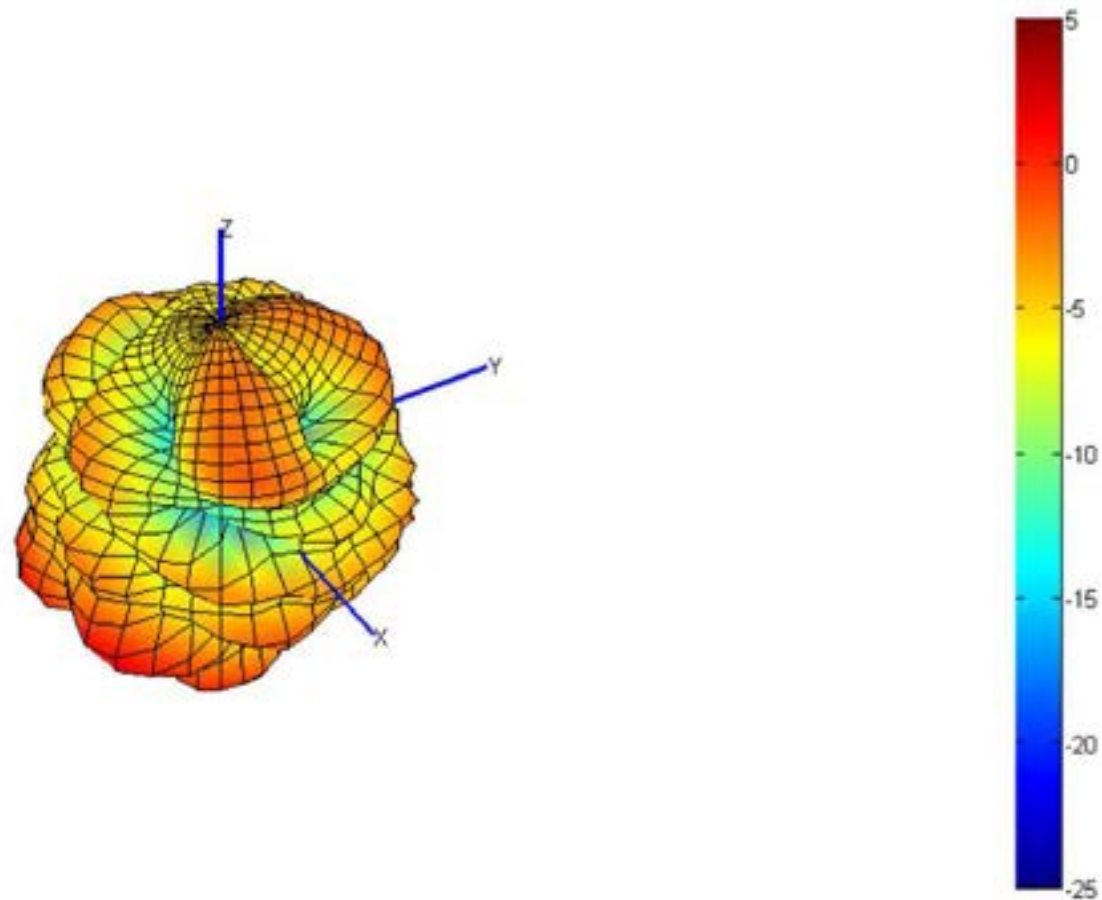
LTE Primary Antenna – EA 3D Gain Total - Band 20 @832MHz



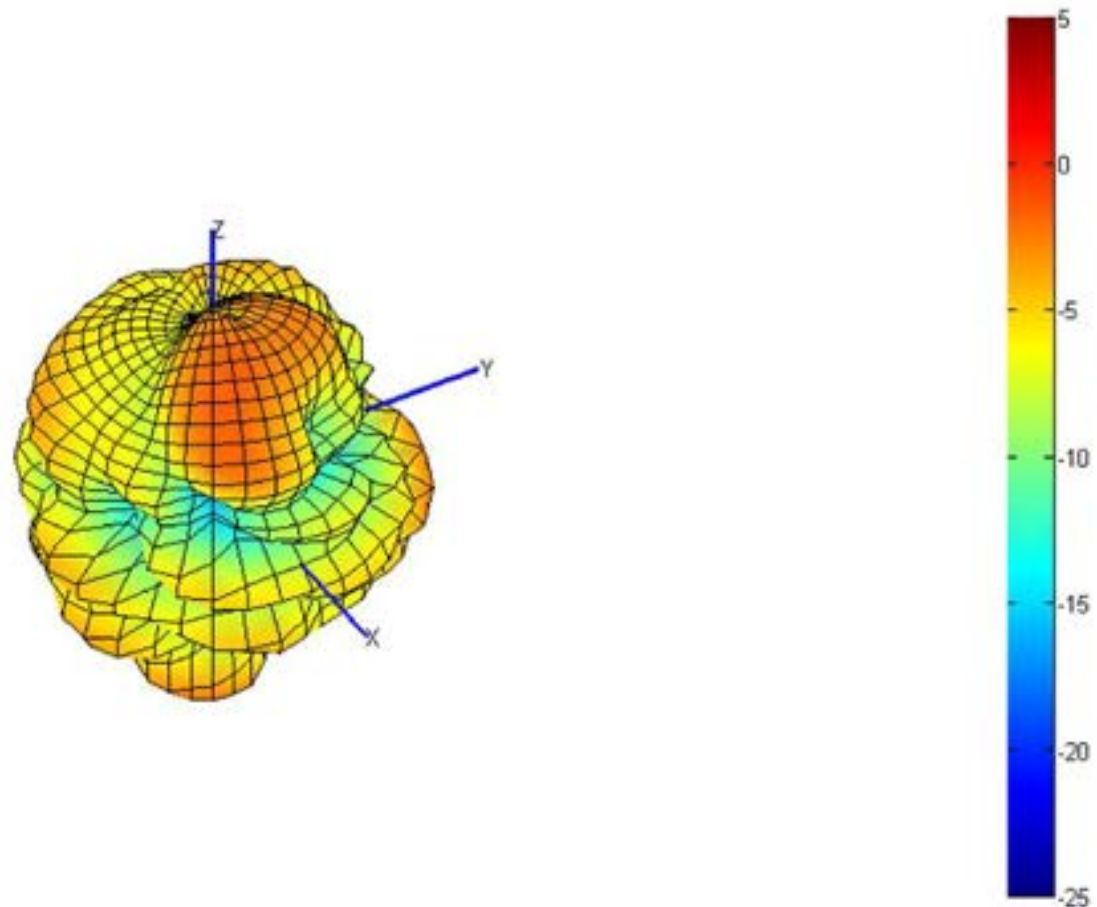
LTE Primary Antenna – EA 3D Gain Total - Band 20 @847MHz



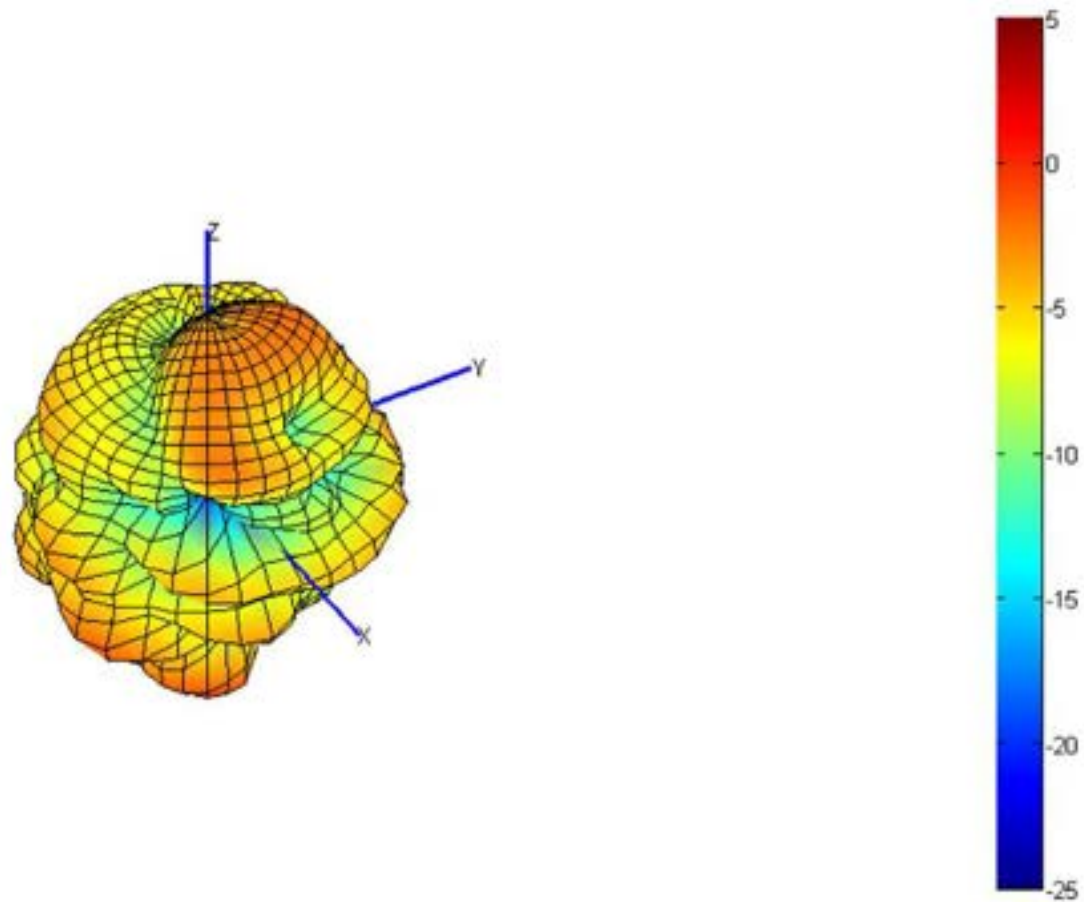
LTE Primary Antenna – EA 3D Gain Total - Band 20 @862MHz



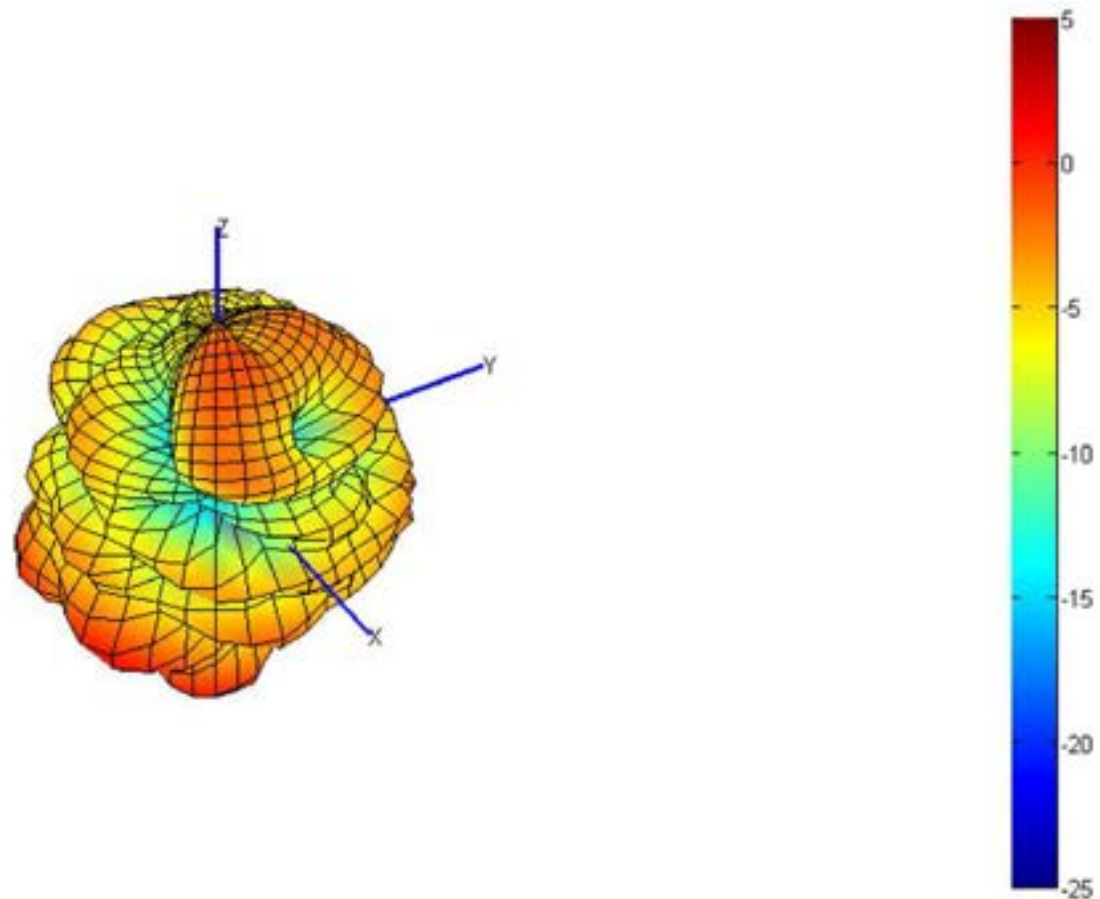
LTE Primary Antenna – JP 3D Gain Total - Band 26 @814MHz



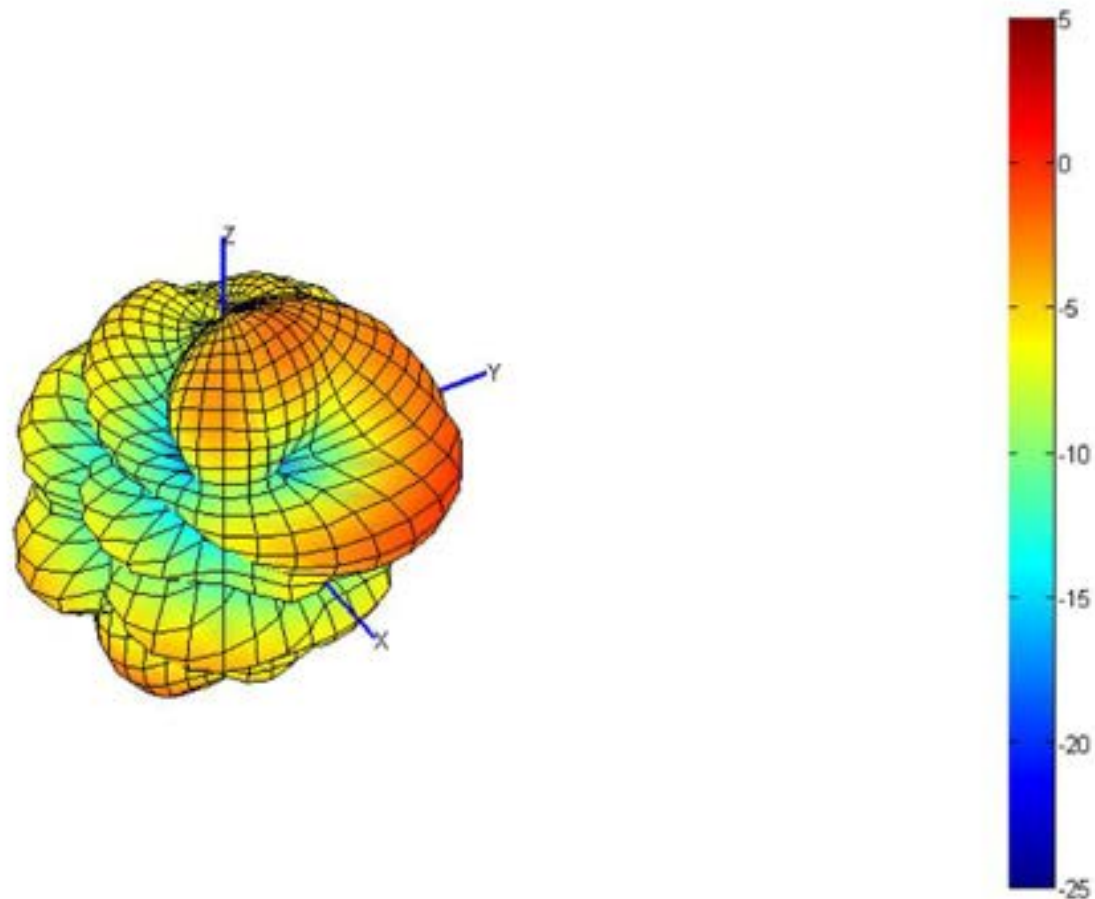
LTE Primary Antenna – JP 3D Gain Total - Band 26 @831.5MHz



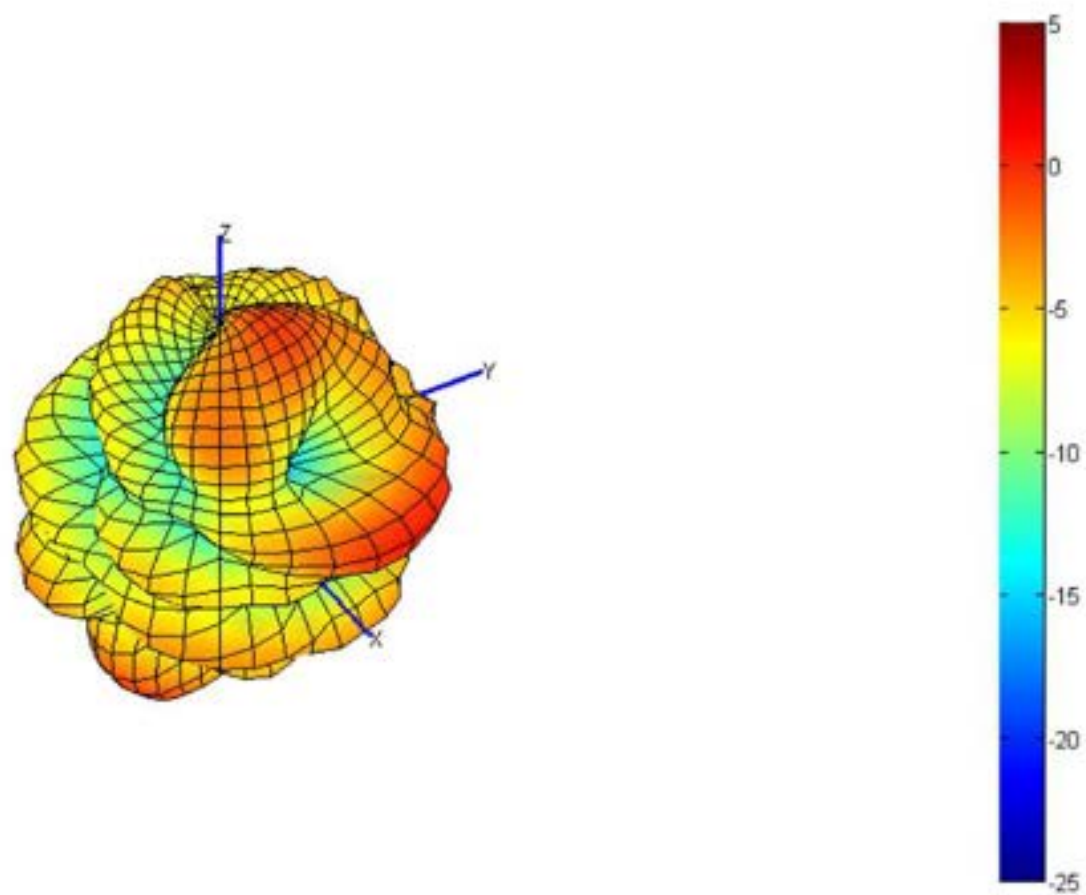
LTE Primary Antenna – JP 3D Gain Total - Band 26 @849MHz



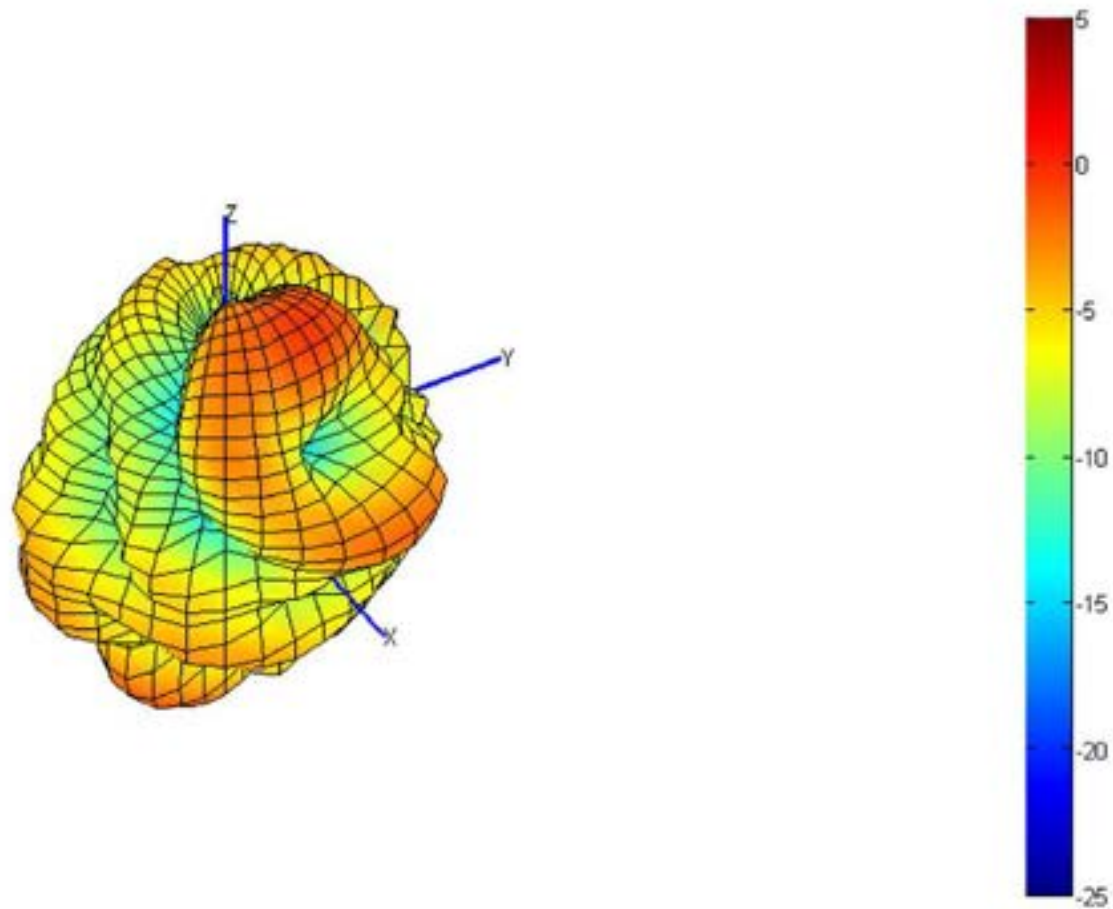
LTE Primary Antenna – EA/JP 3D Gain Total - Band 28 @703MHz



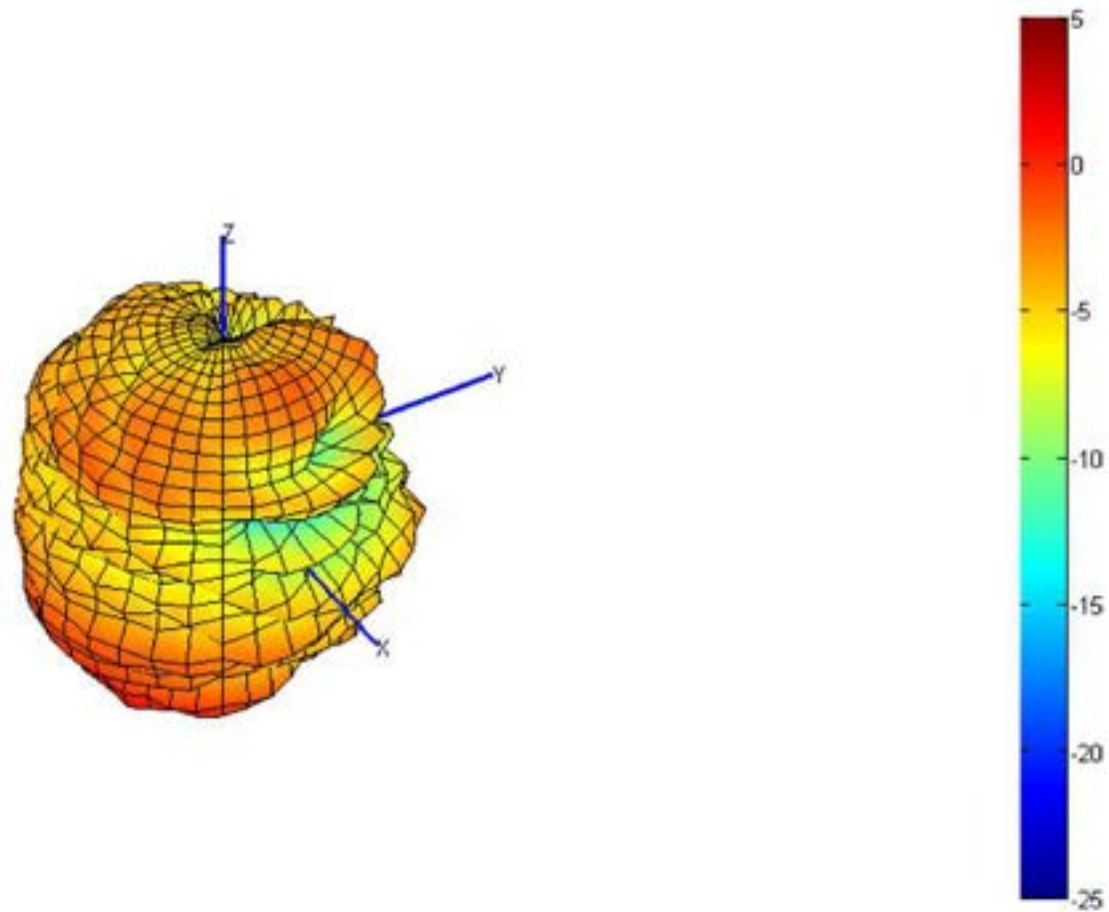
LTE Primary Antenna – EA/JP 3D Gain Total - Band 28 @725.5MHz



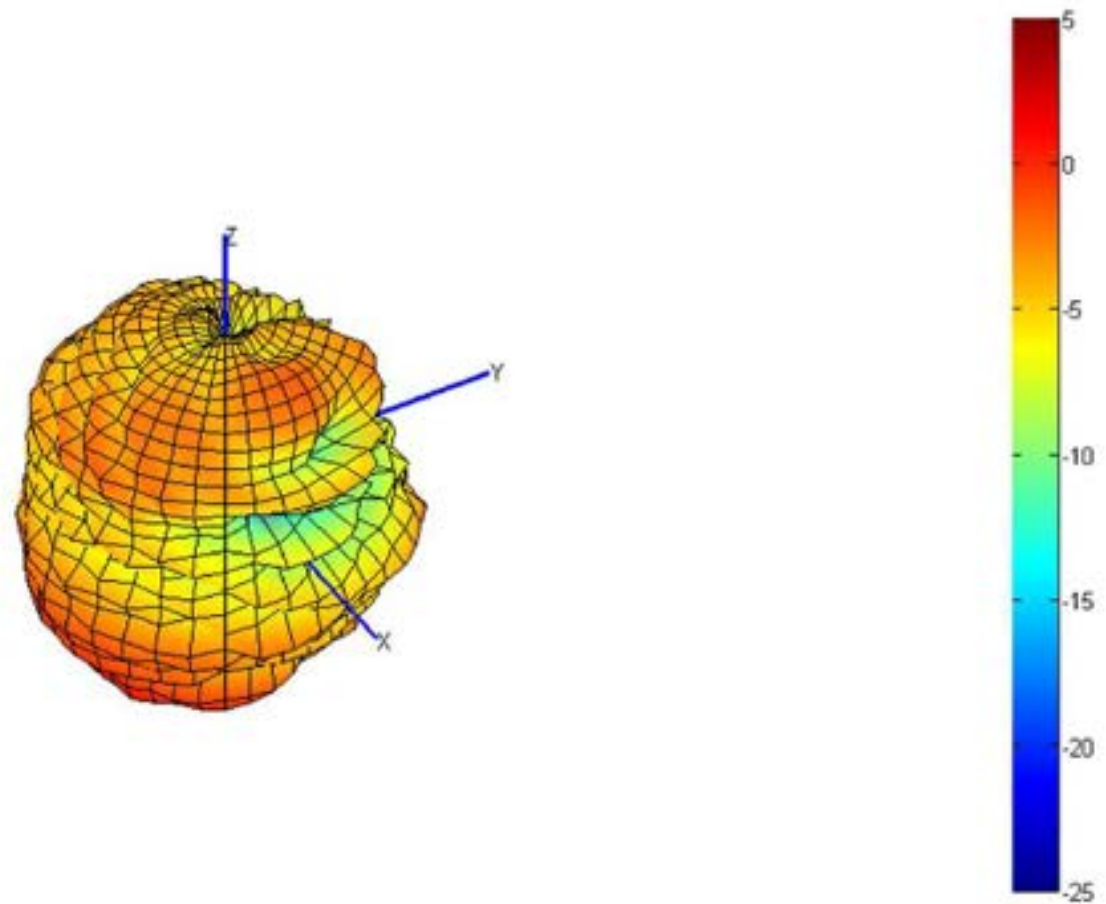
LTE Primary Antenna – EA/JP 3D Gain Total - Band 28 @748MHz



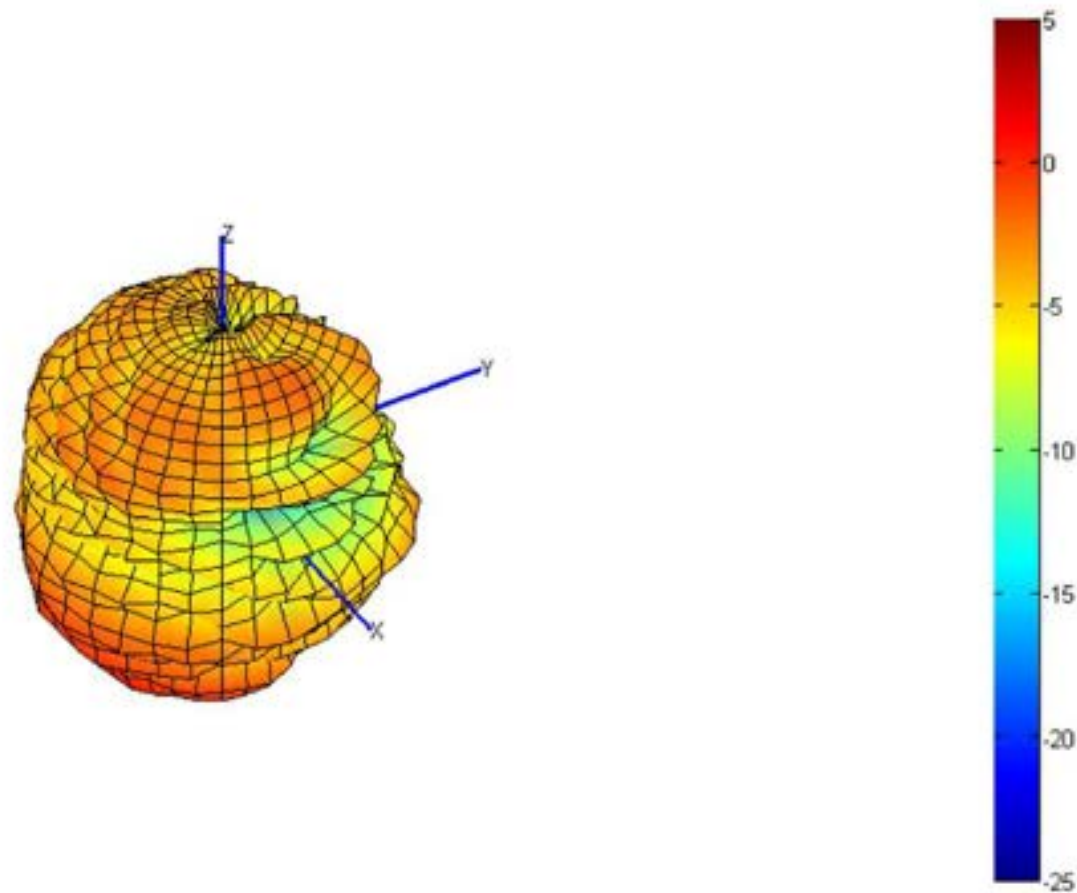
LTE Primary Antenna – EA 3D Gain Total - Band 34 @2010MHz



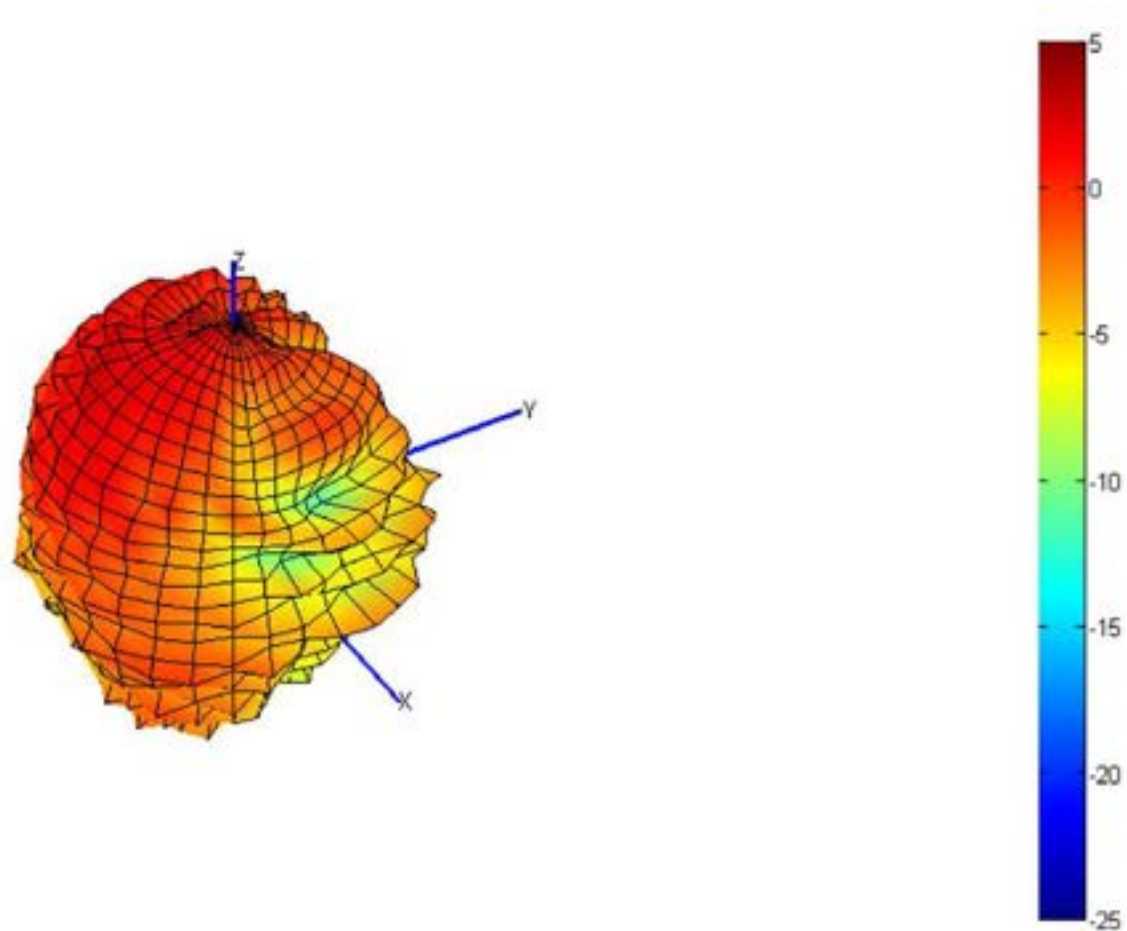
LTE Primary Antenna – EA 3D Gain Total - Band 34 @2017.5MHz



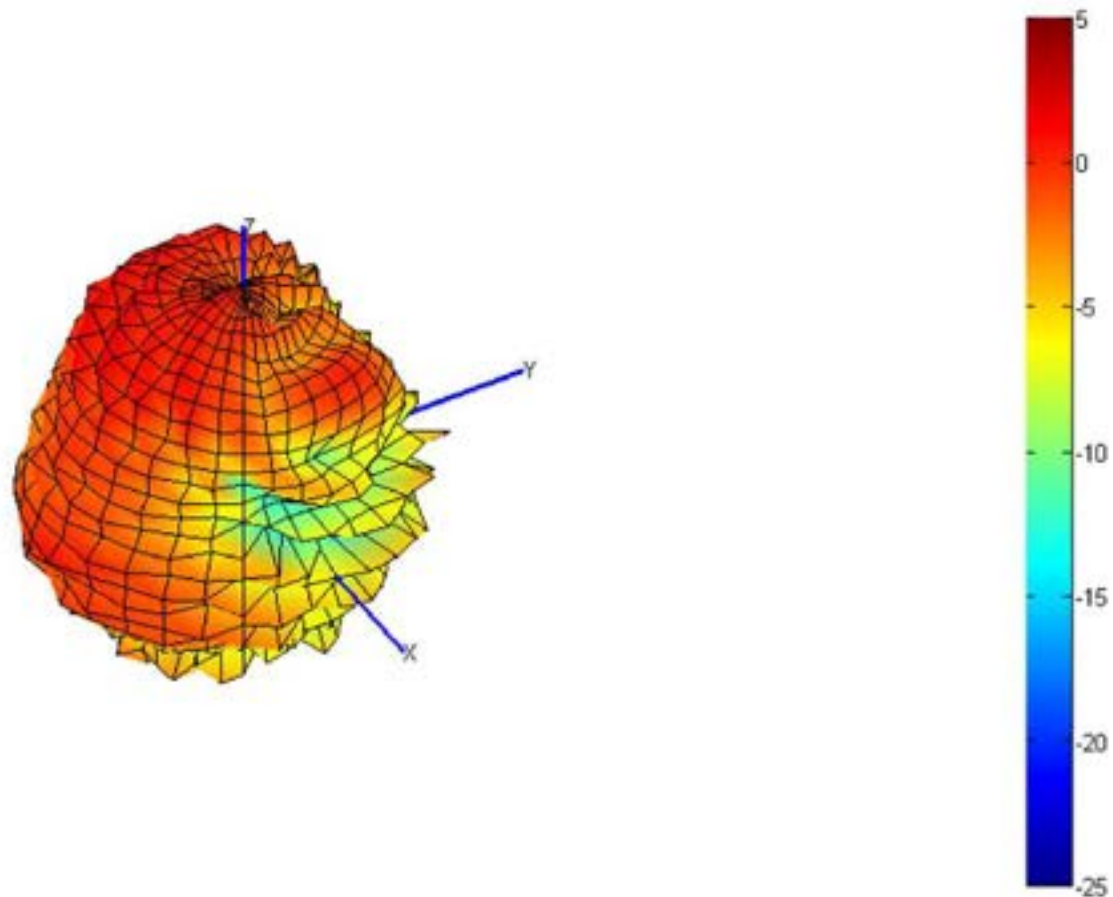
LTE Primary Antenna – EA 3D Gain Total - Band 34 @2025MHz



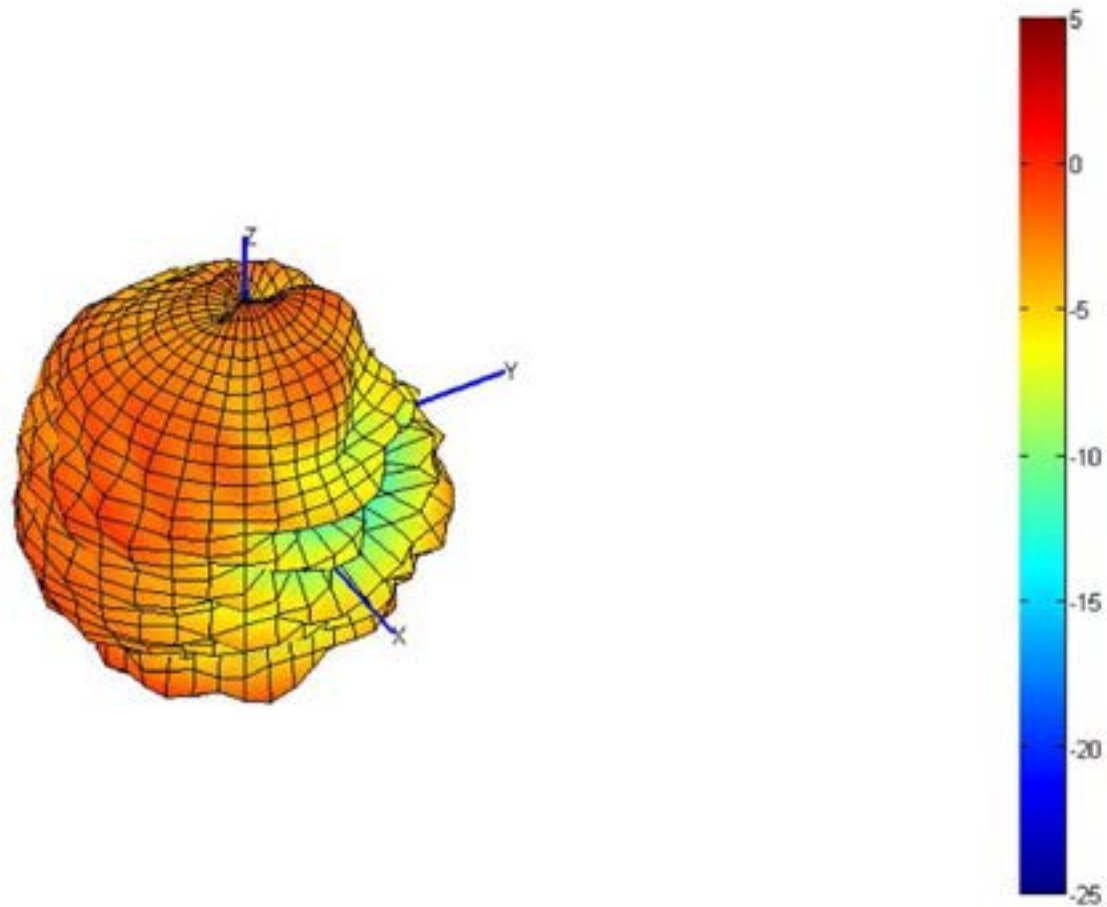
LTE Primary Antenna – EA 3D Gain Total - Band 38 @2570MHz



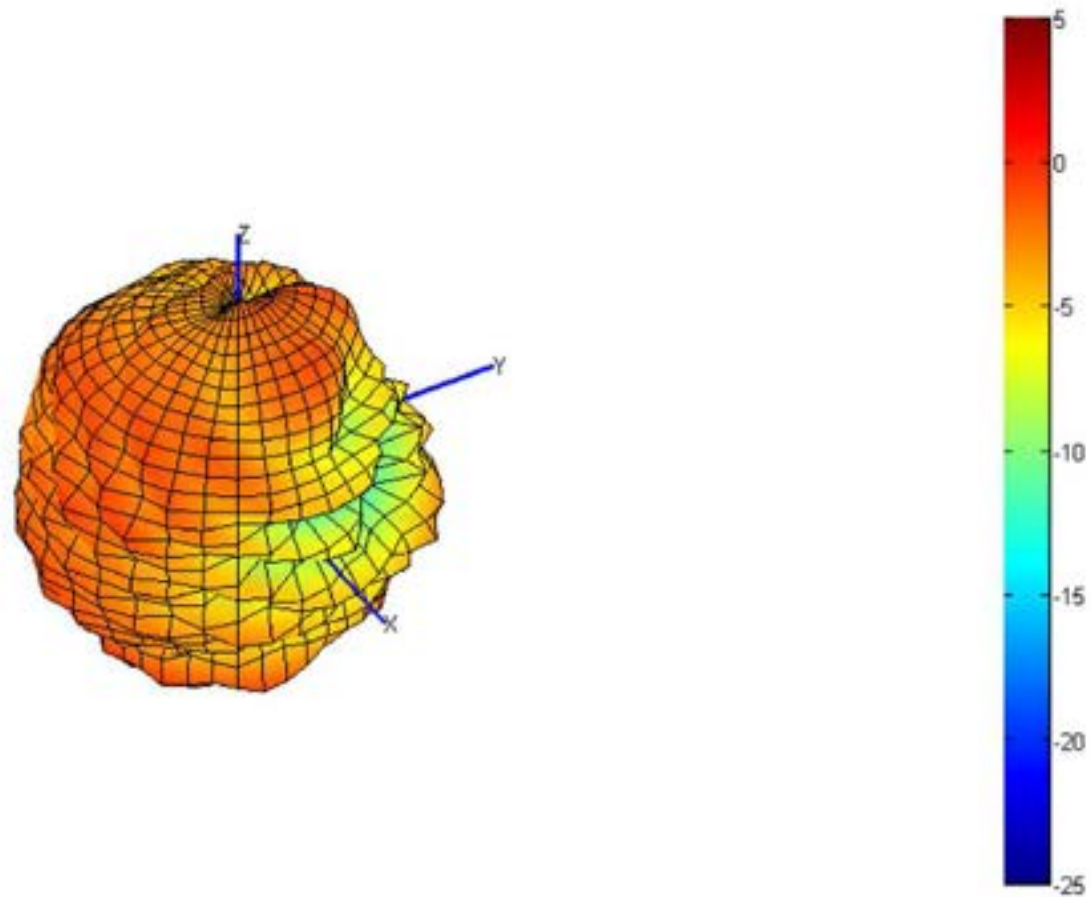
LTE Primary Antenna – EA 3D Gain Total - Band 38 @2620MHz



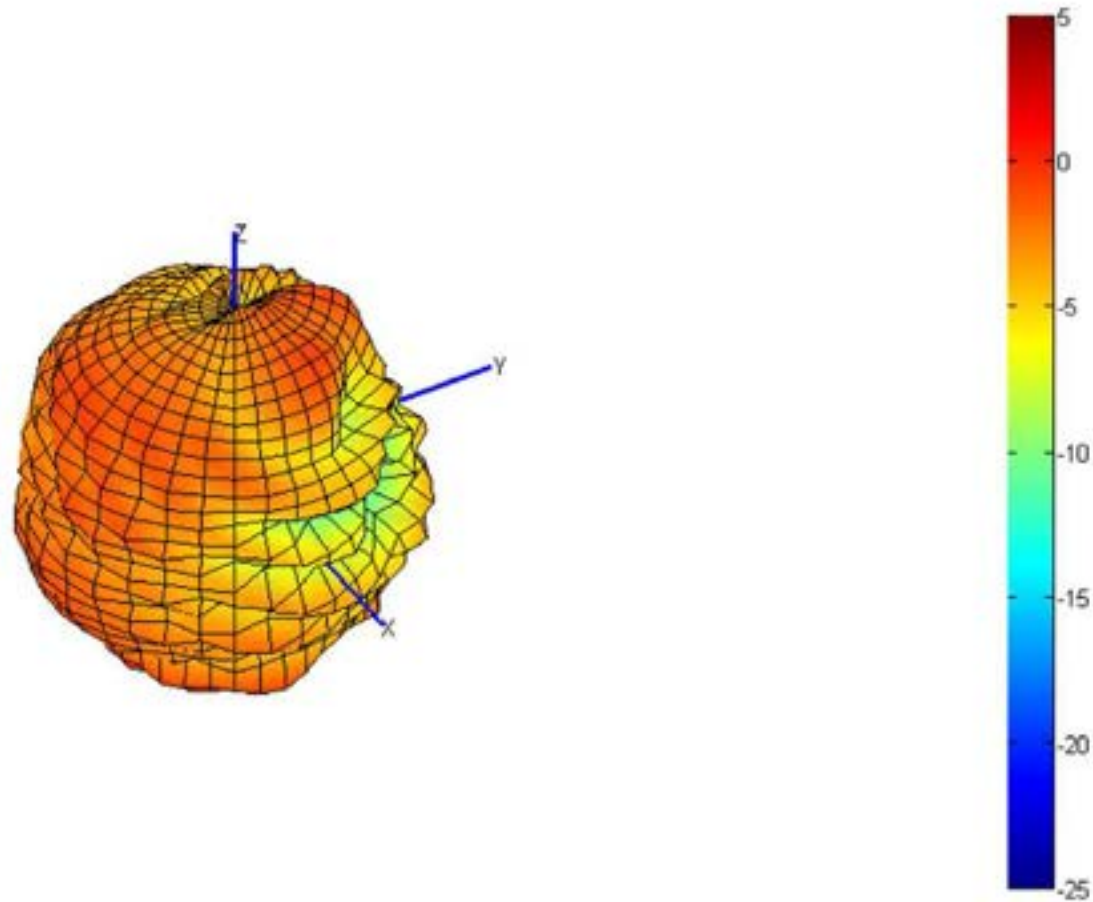
LTE Primary Antenna – EA 3D Gain Total - Band 39 @1880MHz



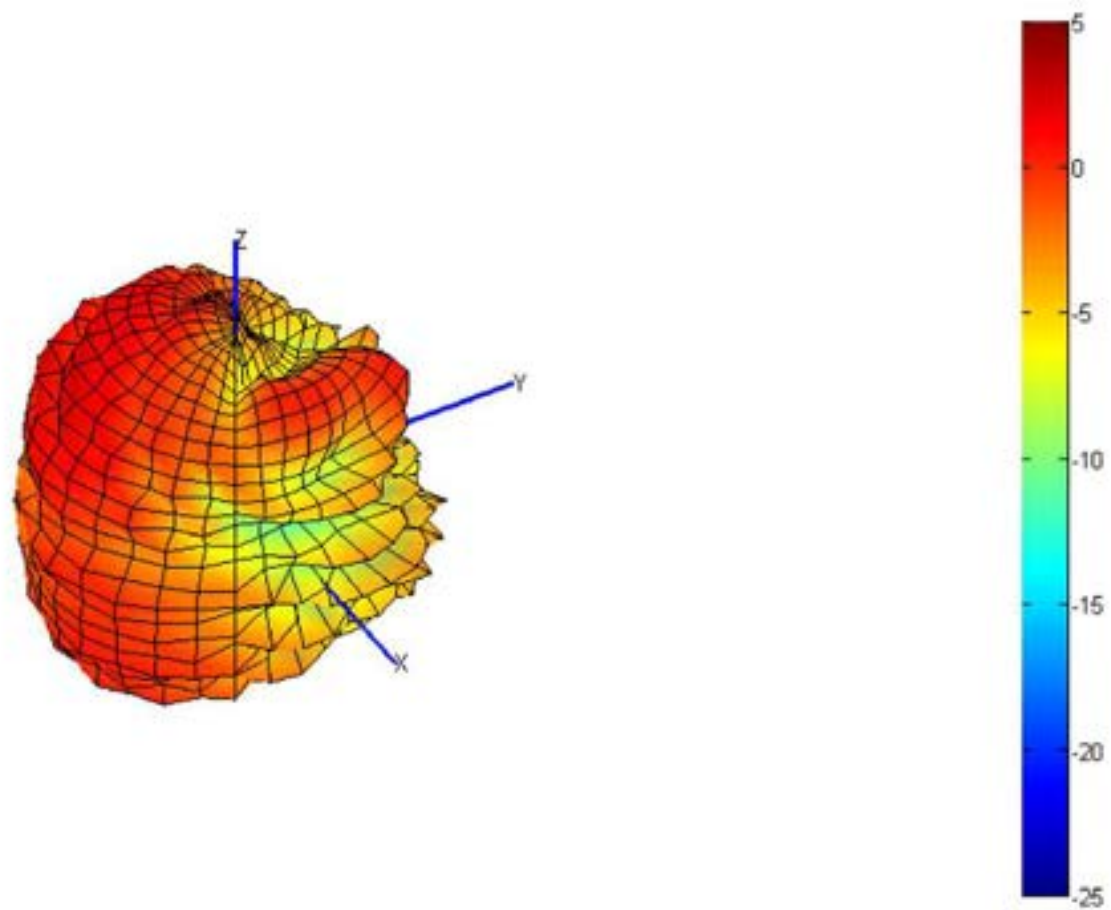
LTE Primary Antenna – EA 3D Gain Total - Band 39 @1900MHz



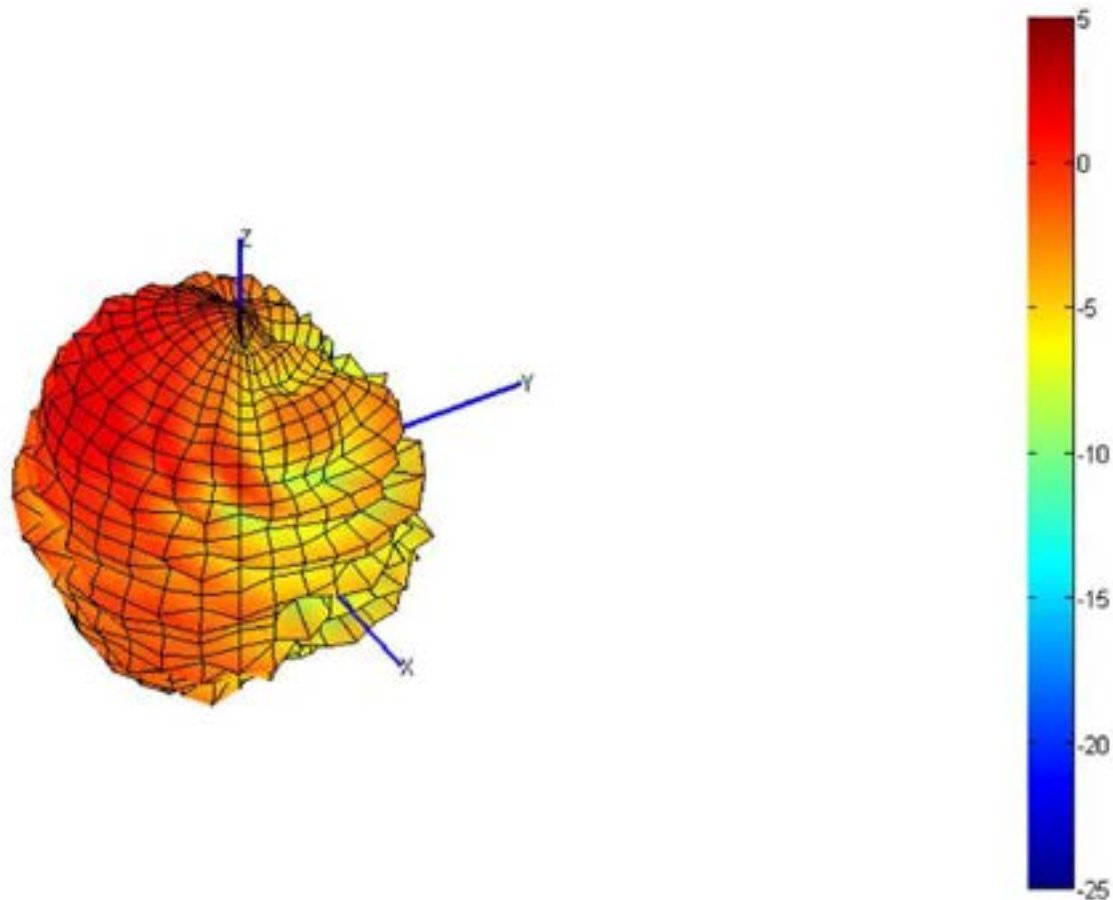
LTE Primary Antenna – EA 3D Gain Total - Band 39 @1920MHz



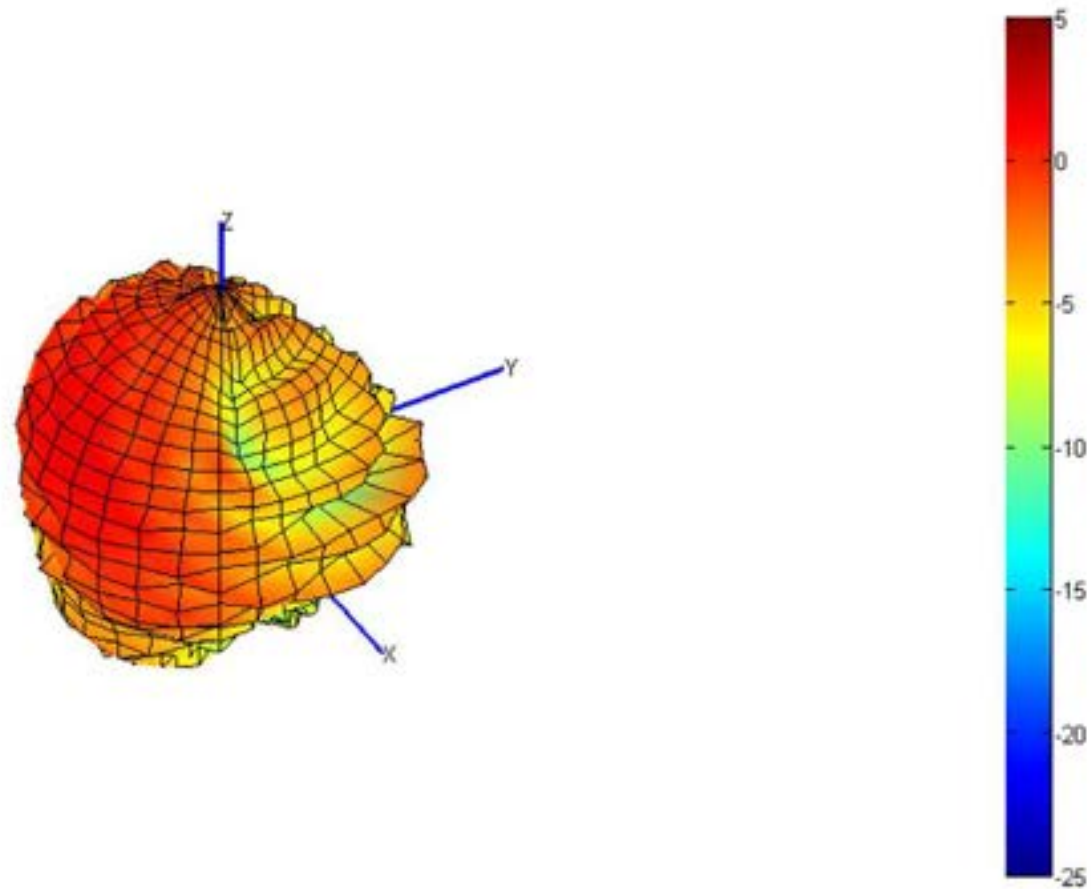
LTE Primary Antenna – EA 3D Gain Total - Band 40 @2300MHz



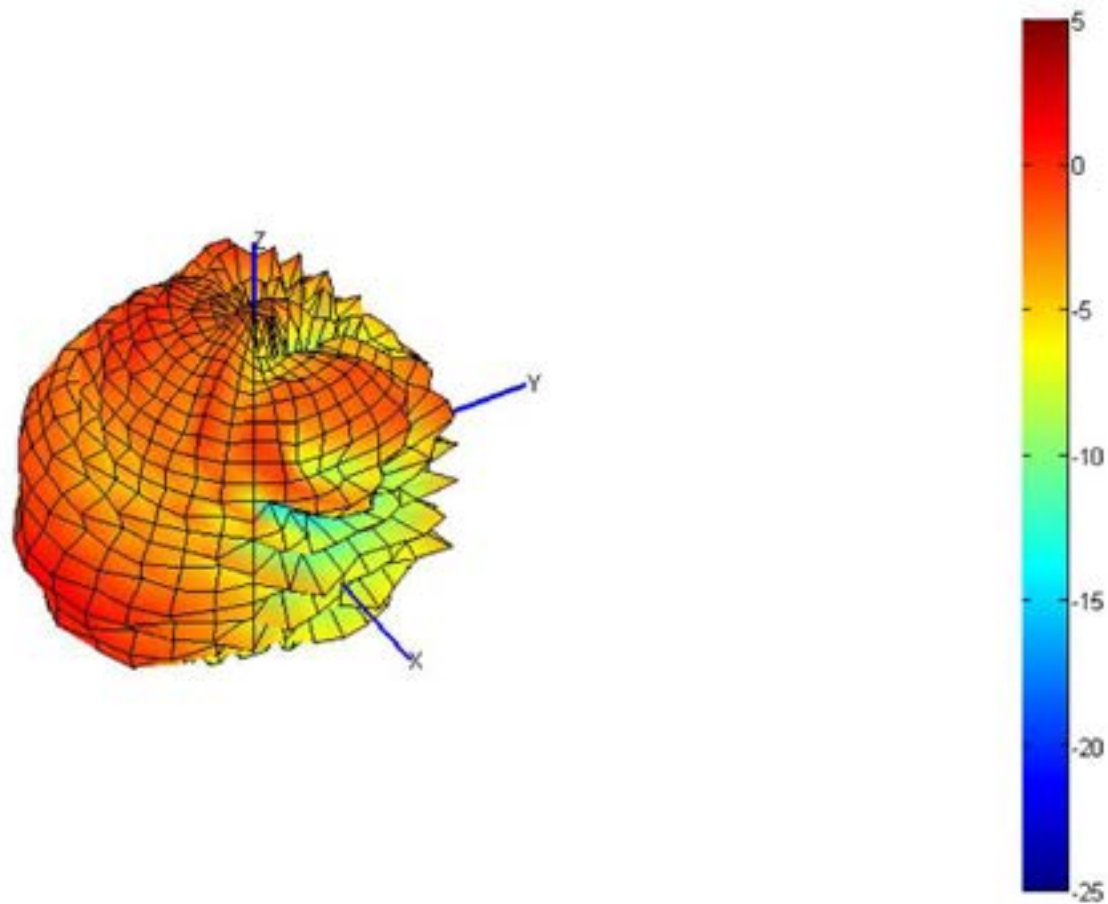
LTE Primary Antenna – EA 3D Gain Total - Band 40 @2400MHz



LTE Primary Antenna – EA/JP 3D Gain Total - Band 41 @2496MHz



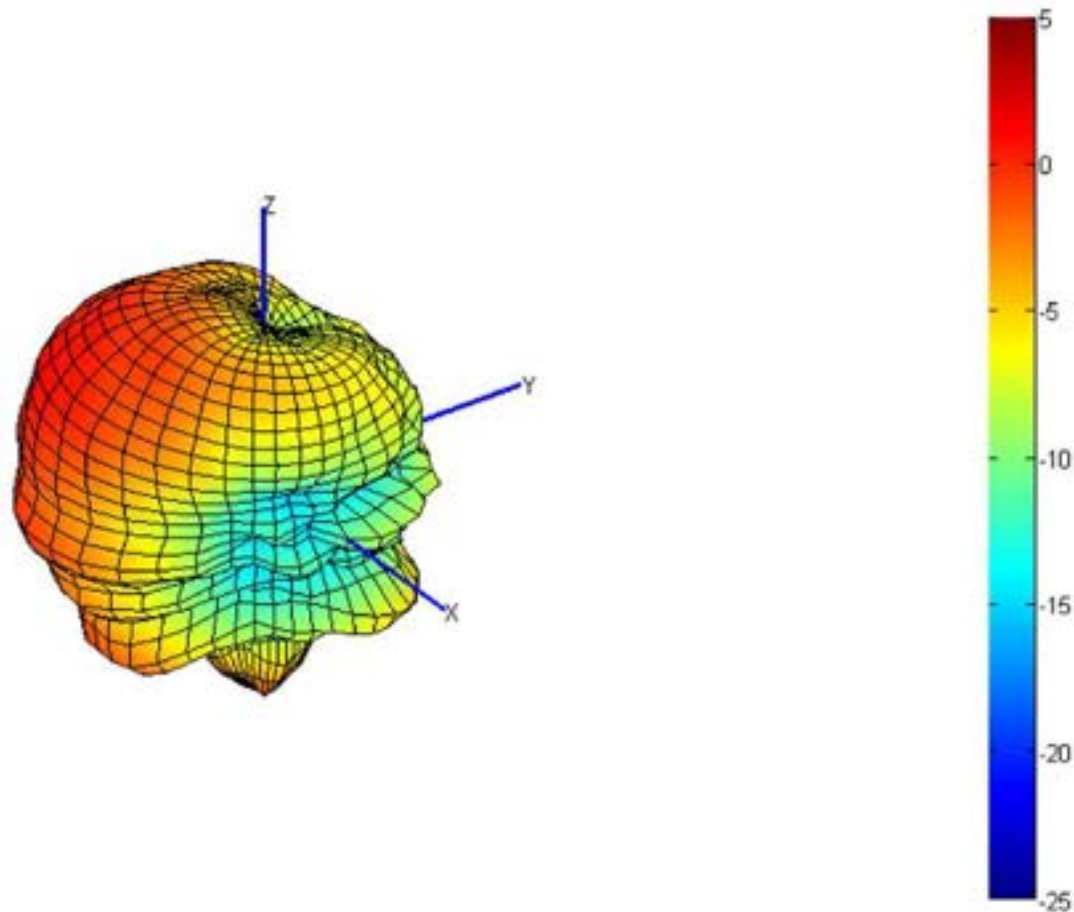
LTE Primary Antenna – EA/JP 3D Gain Total - Band 41 @2690MHz



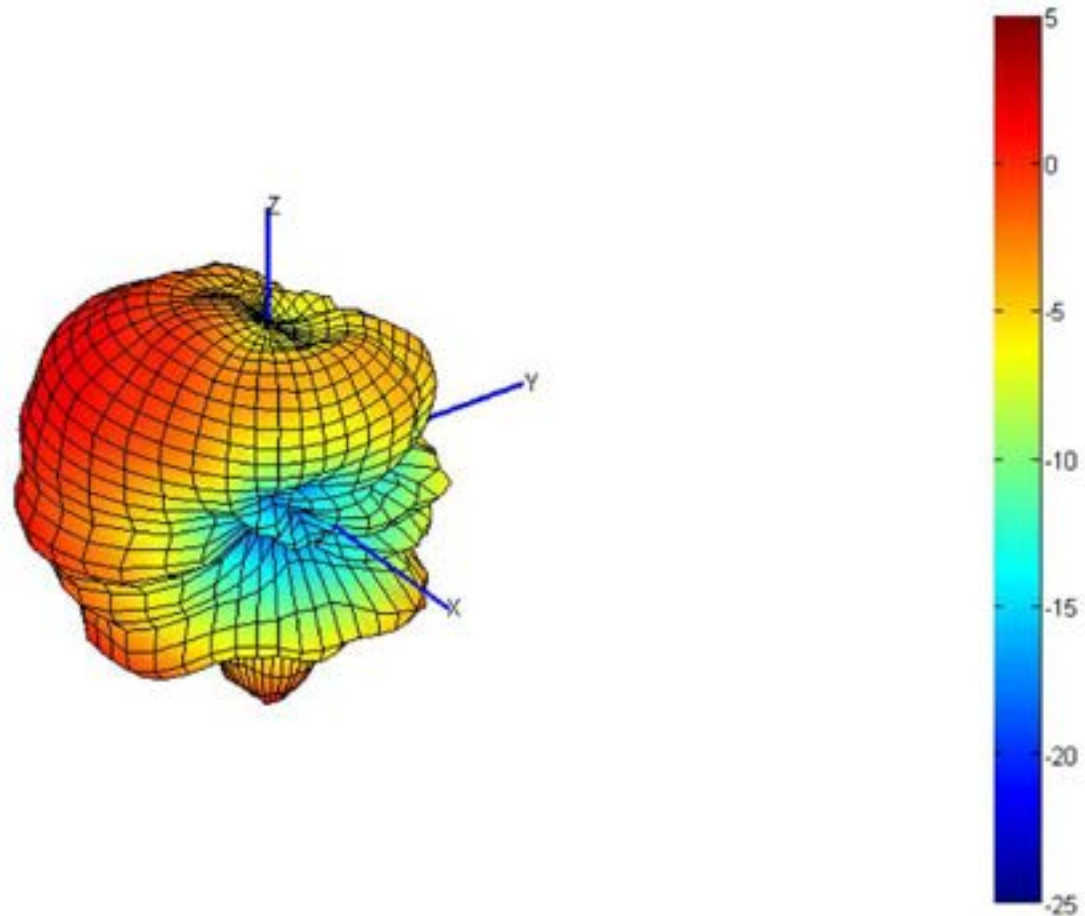
GNSS Antenna Gain

Frequency [MHz]	Max Gain [dBi]
1560	+0.8
1575	+1.7
1610	-0.1

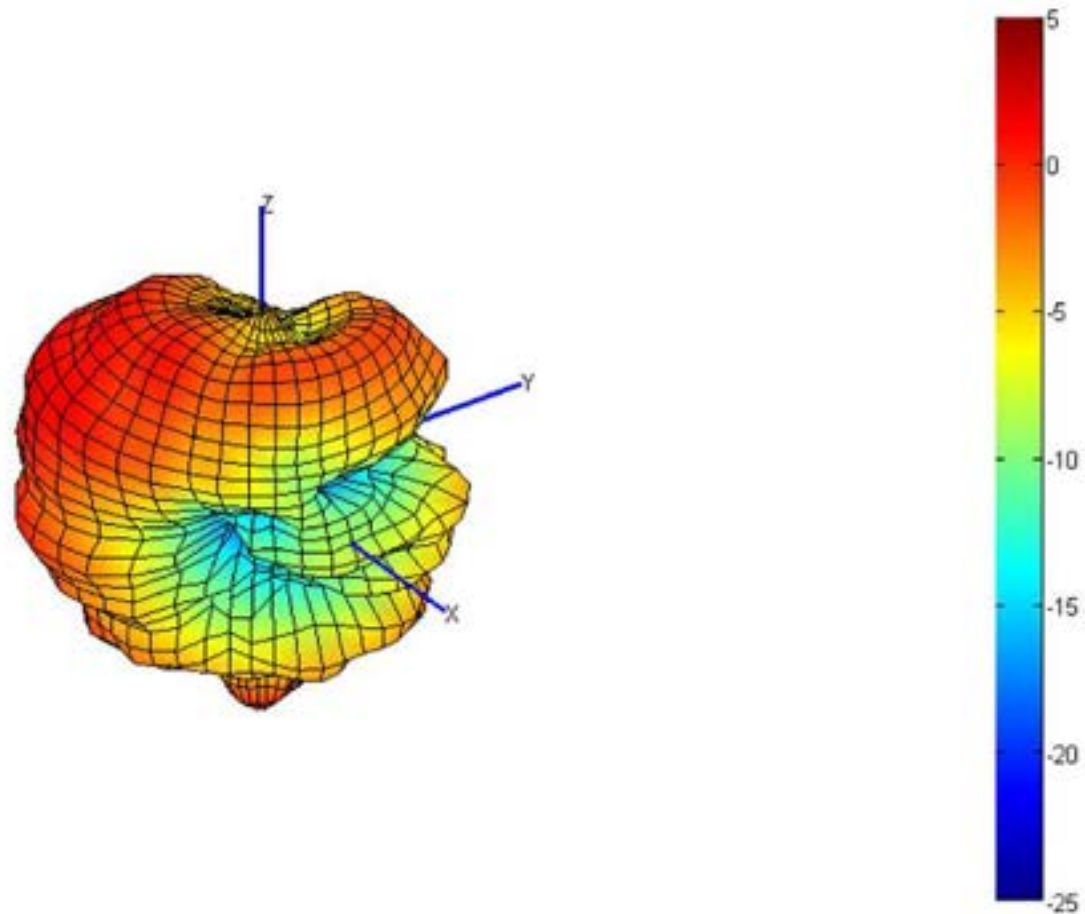
GNSS Antenna 3D Gain Total @1560 MHz



GNSS Antenna 3D Gain Total @1575 MHz



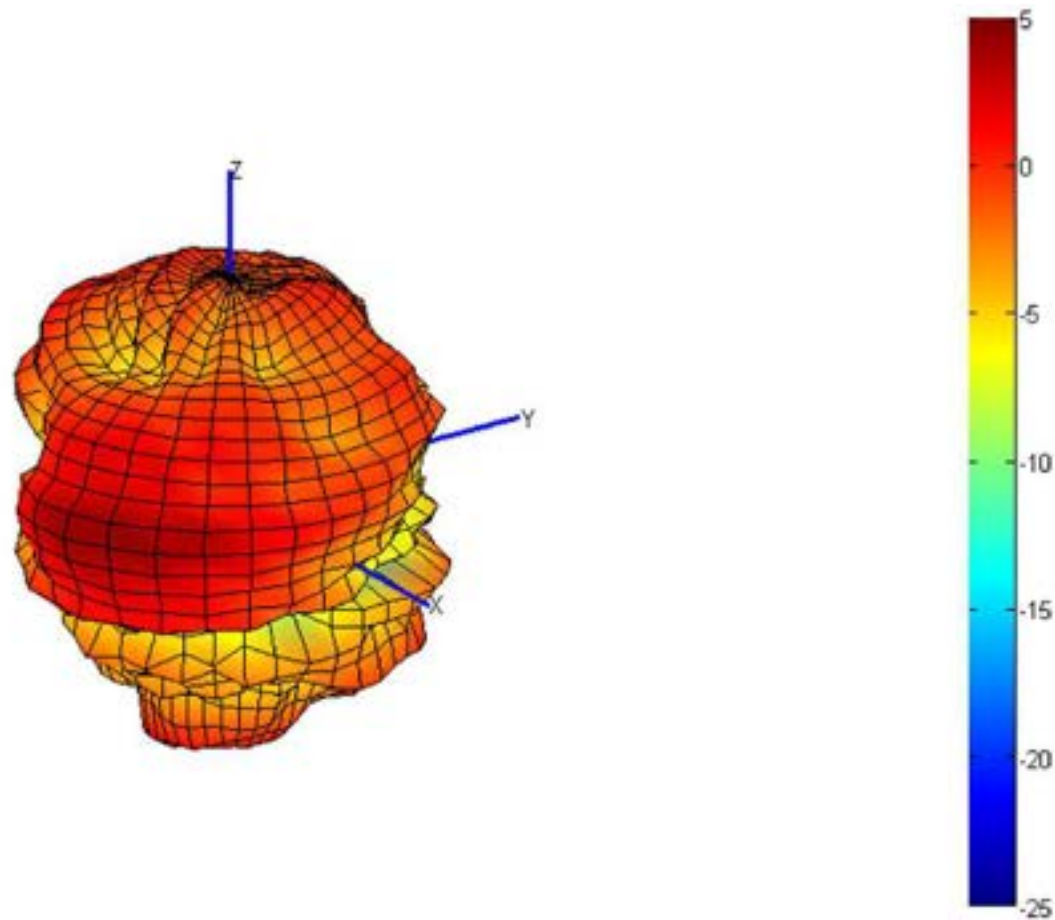
GNSS Antenna 3D Gain Total @1610 MHz



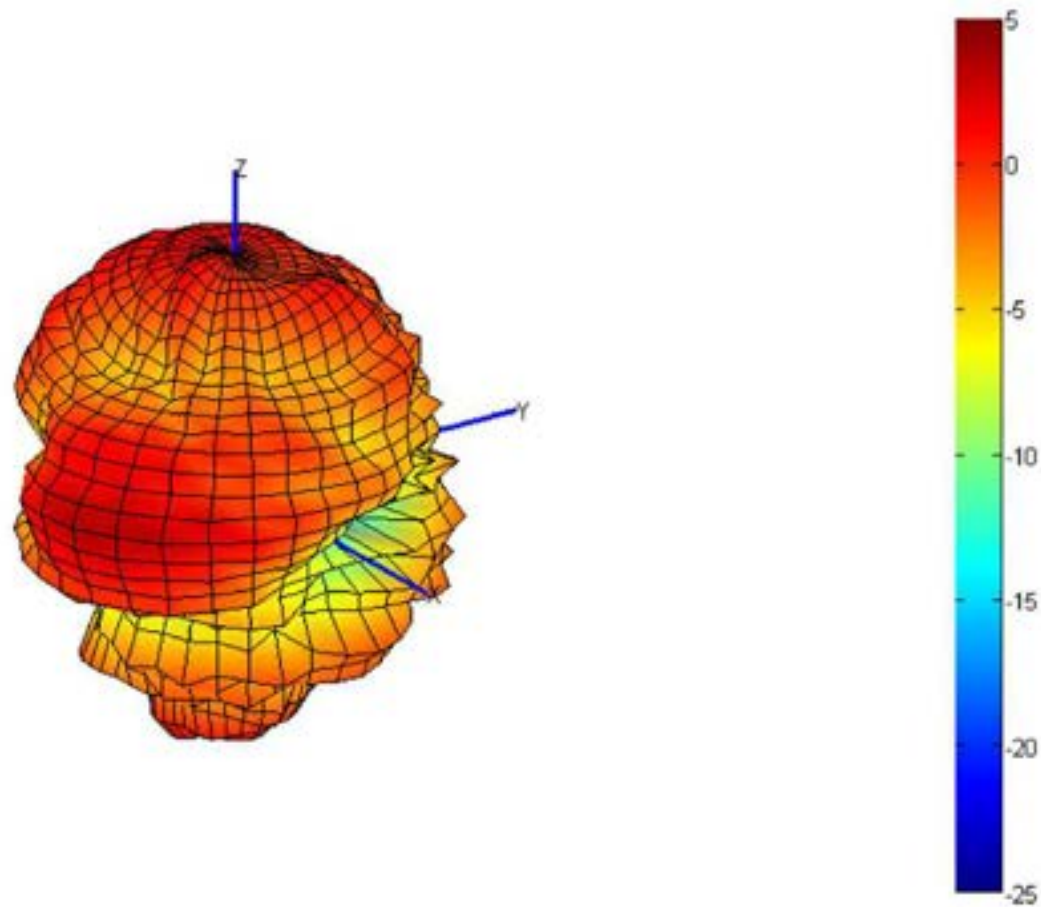
WIFI/BT1 Antenna Gain

Frequency [MHz]	Max Gain [dBi]
2400	+4.3
2440	+3.6
2495	+2.7
5150	+5.2
5500	+6.6
5850	+6.7

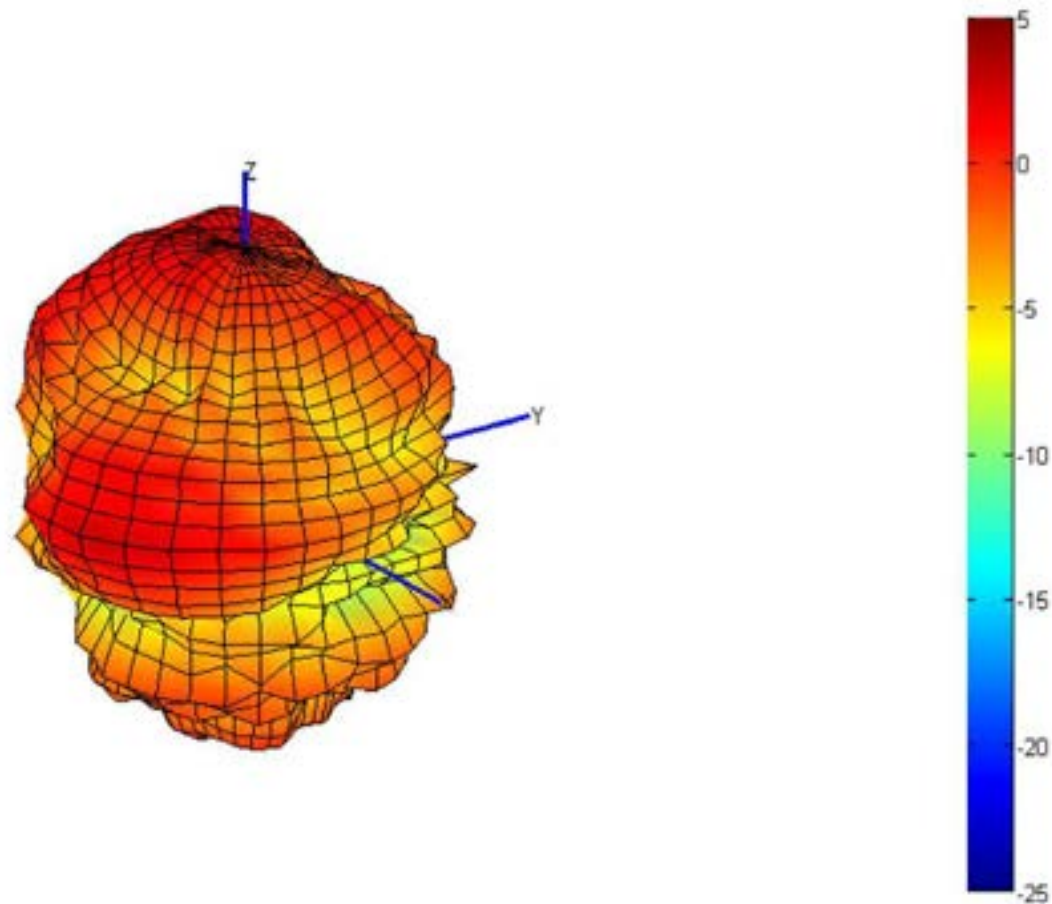
WIFI/BT1 Antenna 3D Gain Total @2400 MHz



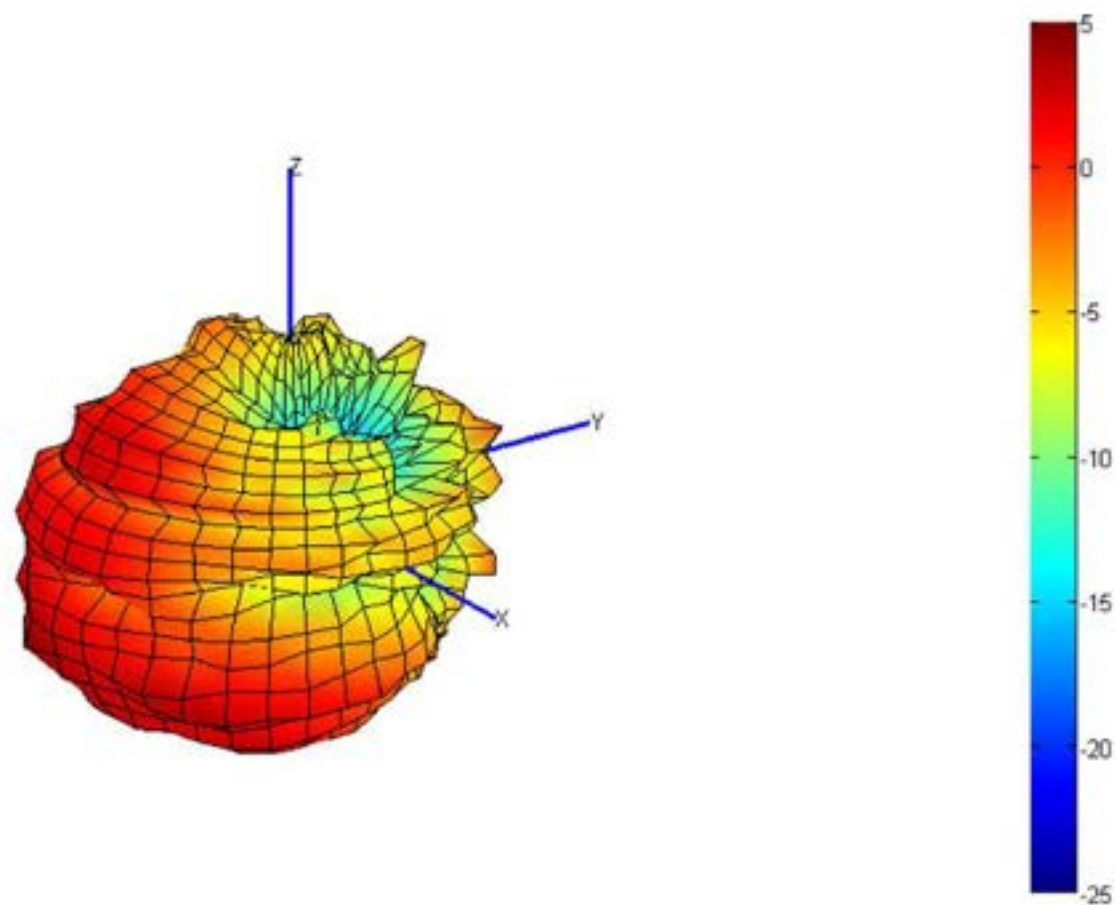
WIFI/BT1 Antenna 3D Gain Total @2440 MHz



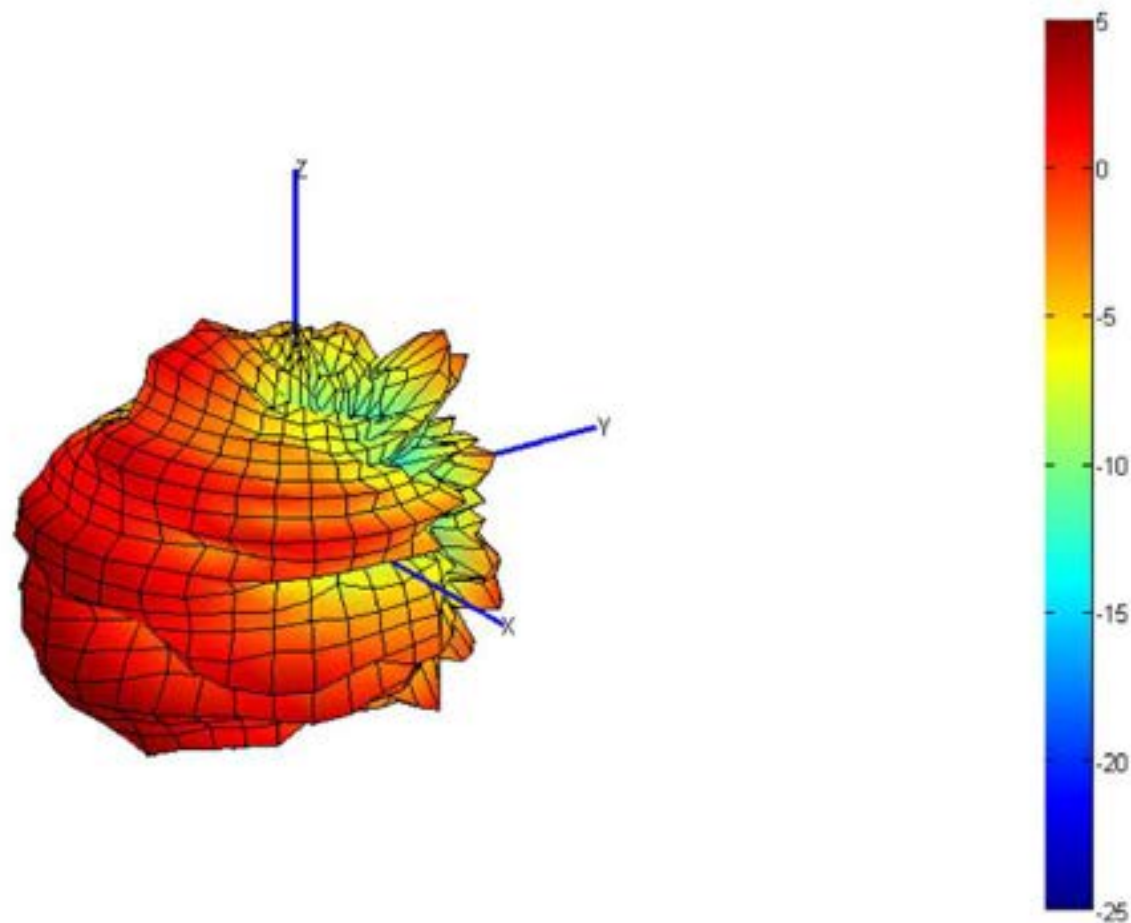
WIFI/BT1 Antenna 3D Gain Total @2495 MHz



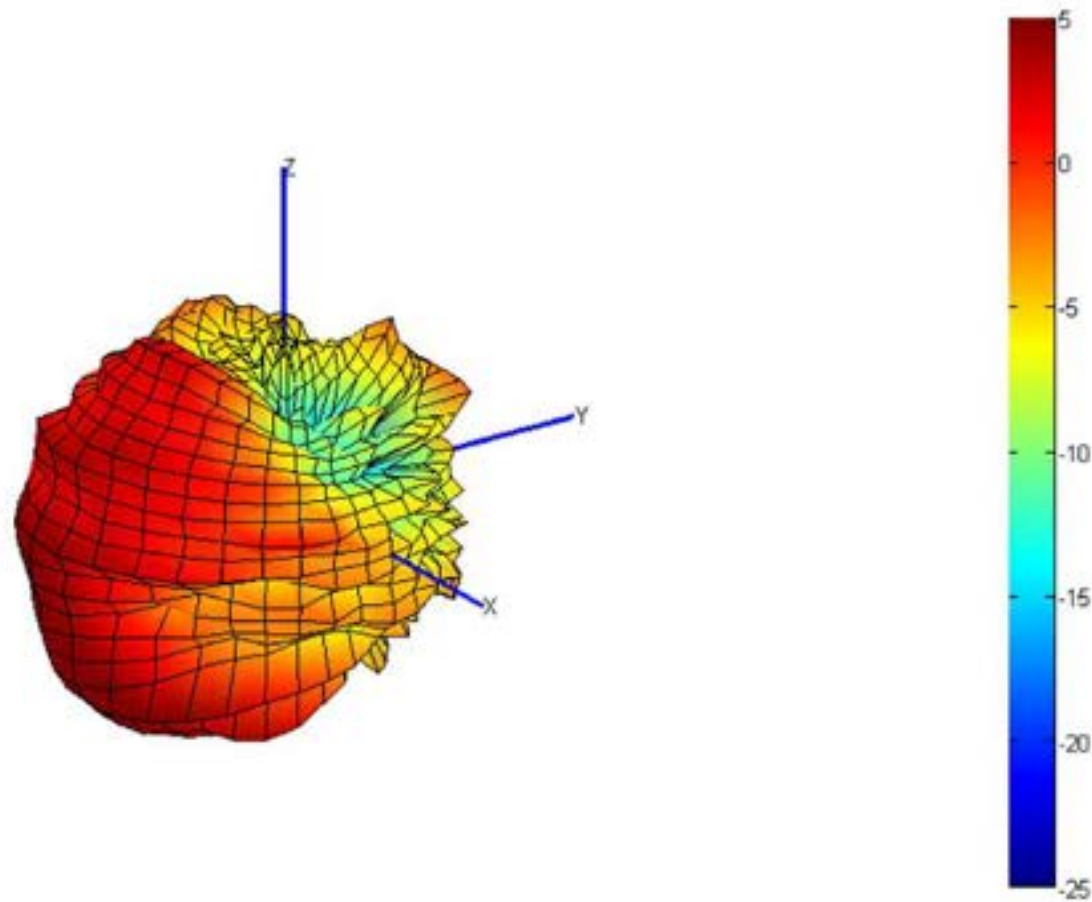
WIFI/BT1 Antenna 3D Gain Total @5150 MHz



WIFI/BT1 Antenna 3D Gain Total @5500 MHz



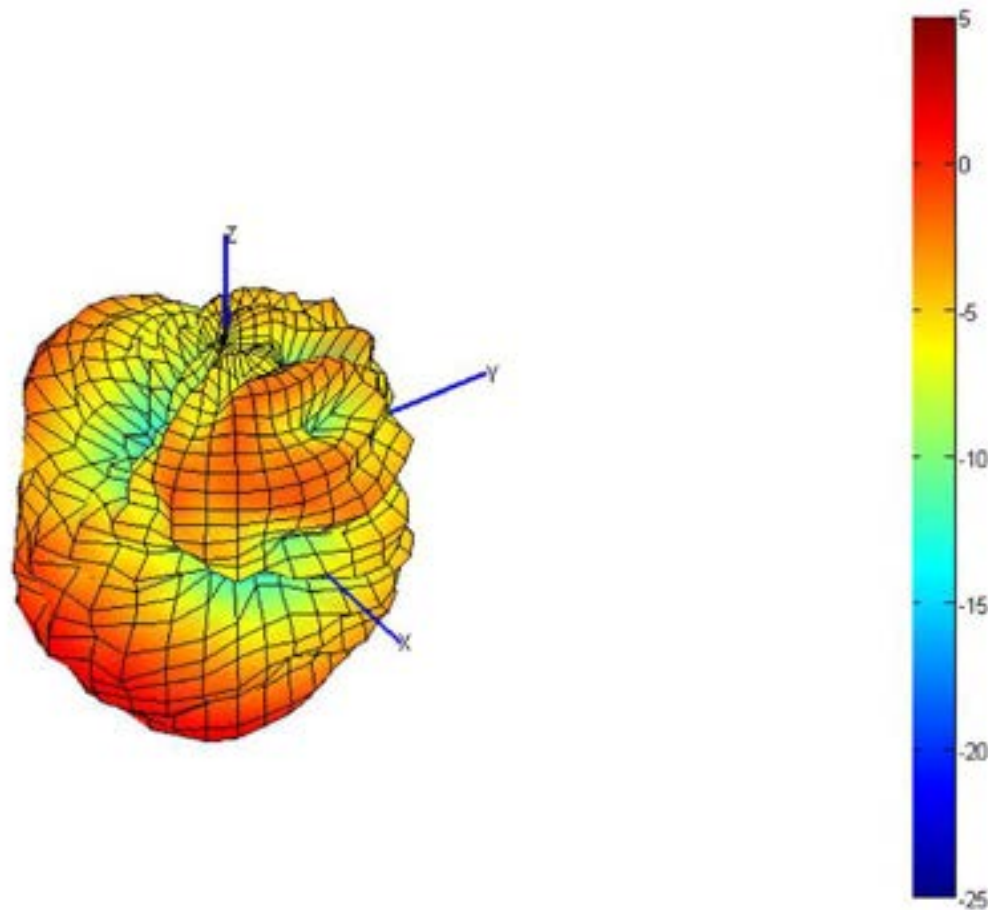
WIFI/BT1 Antenna 3D Gain Total @5850 MHz



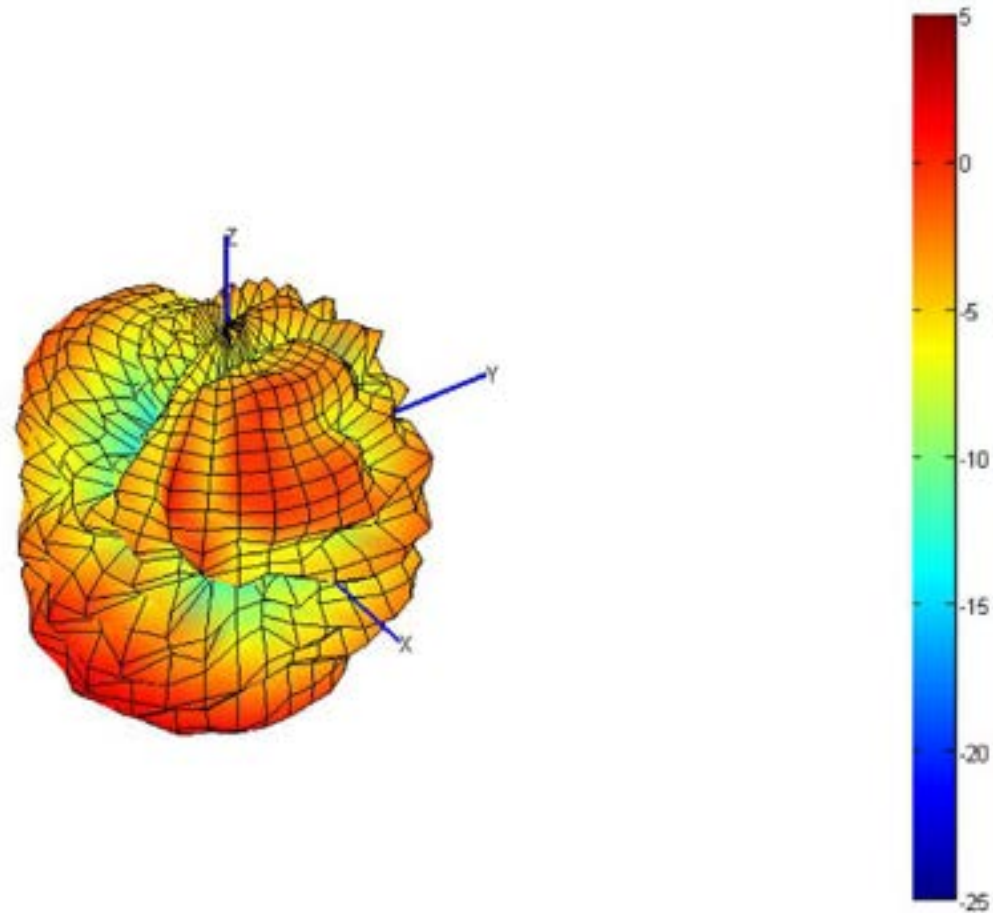
BT2 Antenna Gain

Frequency [MHz]	Max Gain [dBi]
2400	+2.2
2440	+1.9
2480	+1.2

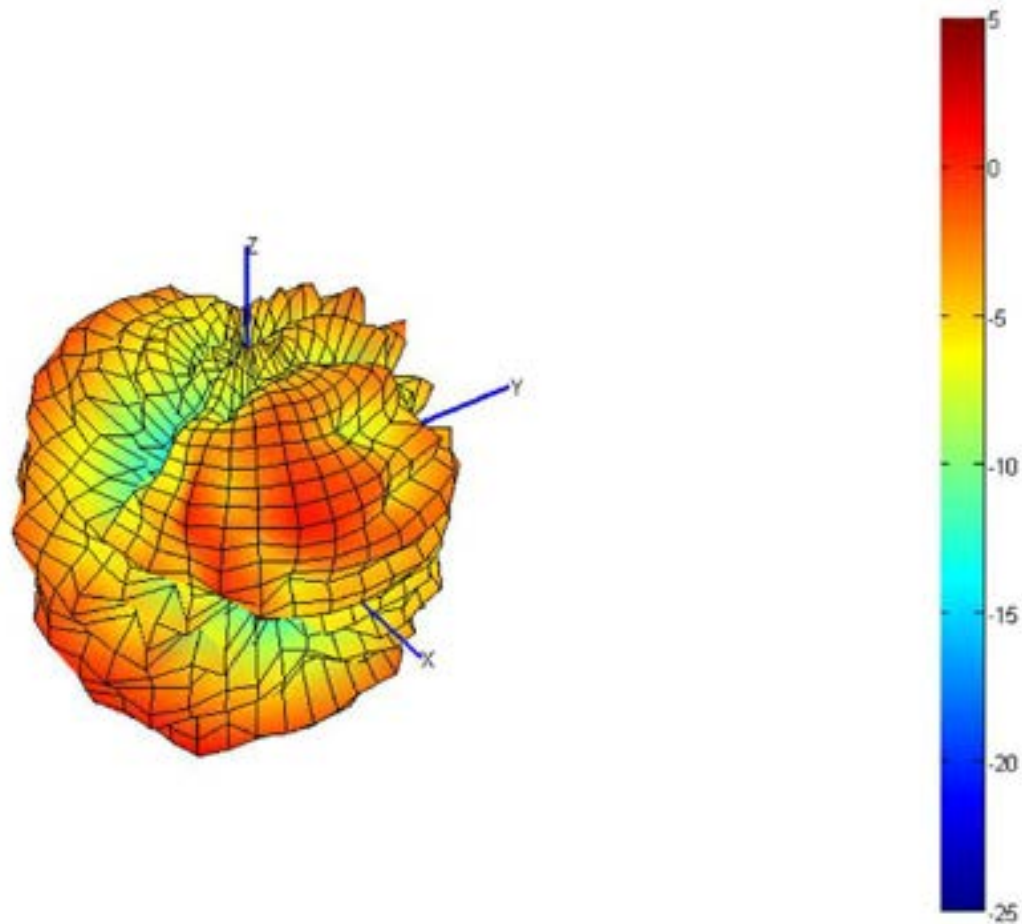
BT2 Antenna 3D Gain Total @2400 MHz



BT2 Antenna 3D Gain Total @2440 MHz



BT2 Antenna 3D Gain Total @2480 MHz



Thank you!