

700Mhz Gooseneck Antenna

MODEL: TH-700A-N(M)



1. GENERAL DESCRIPTION

Model No
TH700A-N(M)

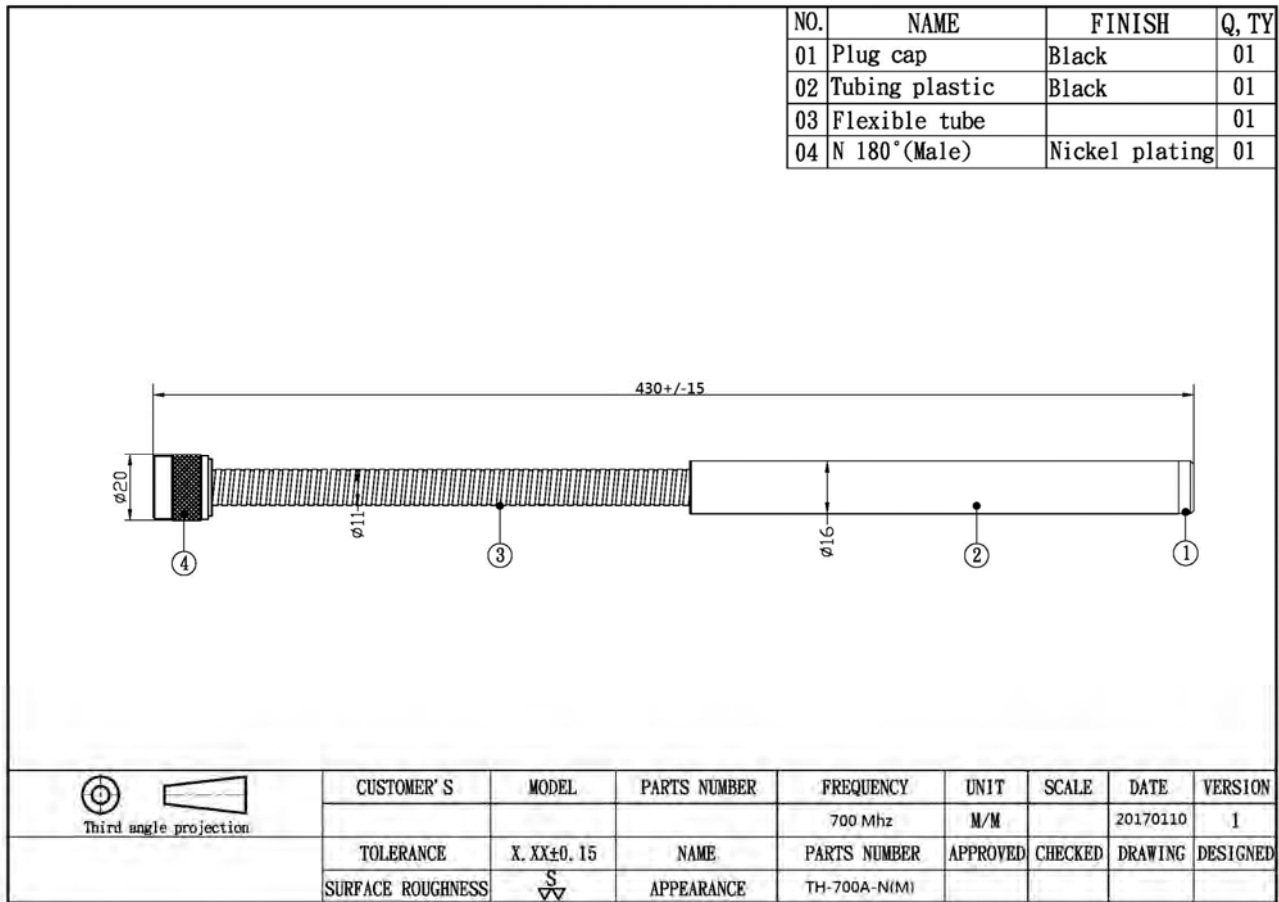
1.1 Electrical Properties

Parameter	Description
Frequency Band	700MHz +/-50Mhz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	3.5:1

1.2 Mechanical Properties

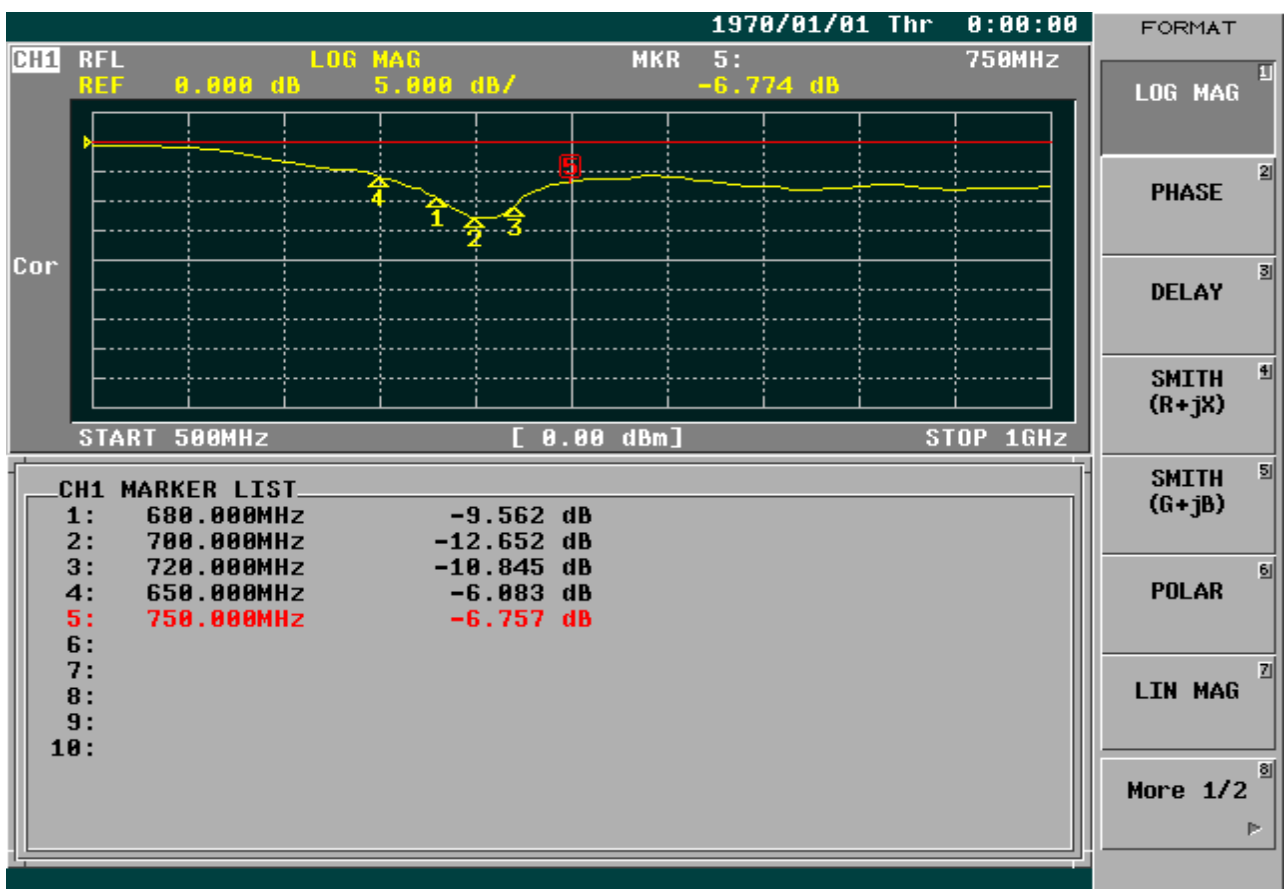
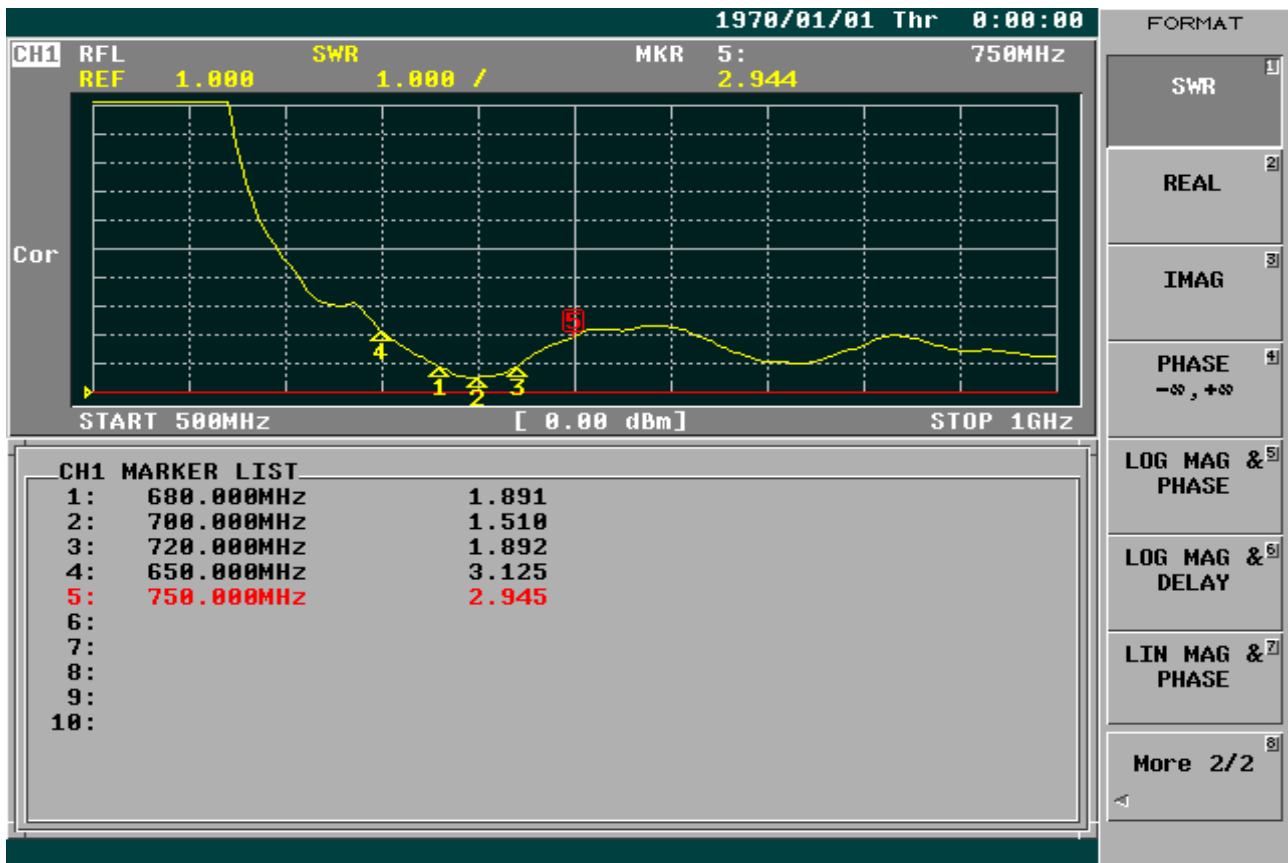
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	N 180°(Male)
Antenna Dimensions	430 mm ±15
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

2. Appearance



3. Return Loss, V.S.W.R. and Smith Chart



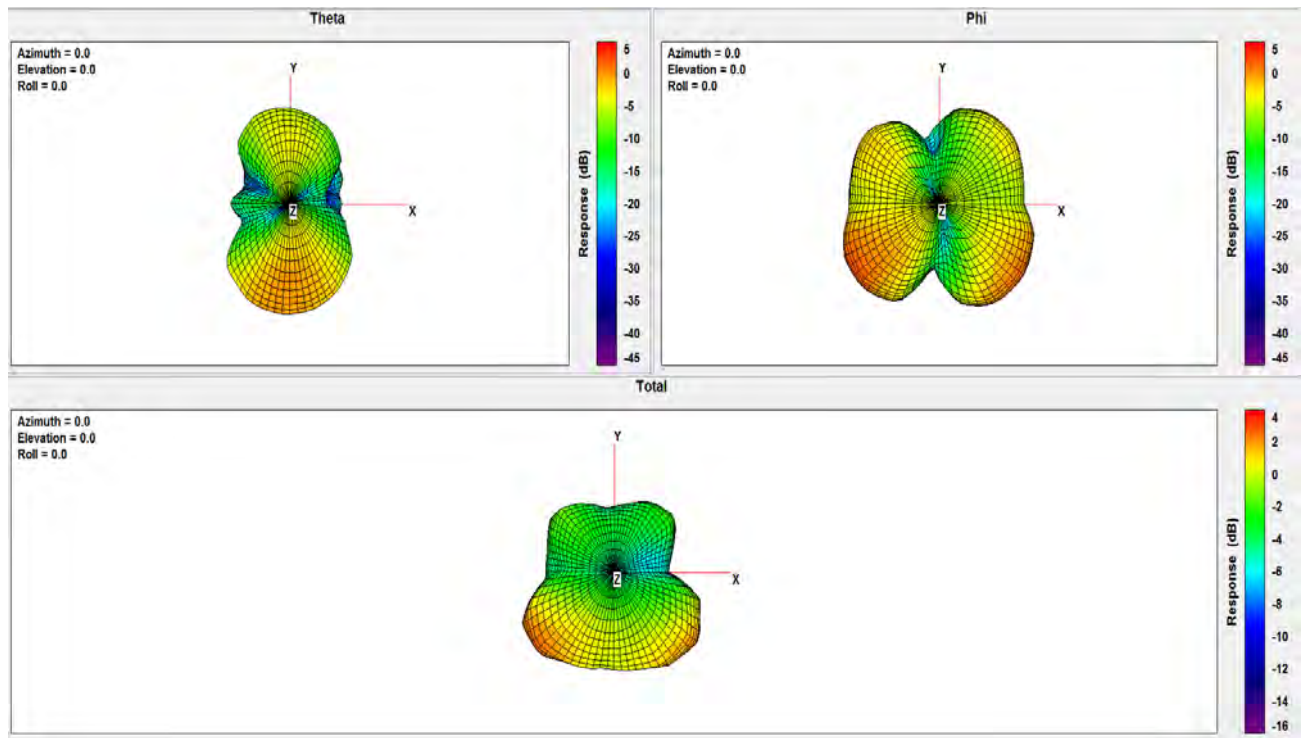


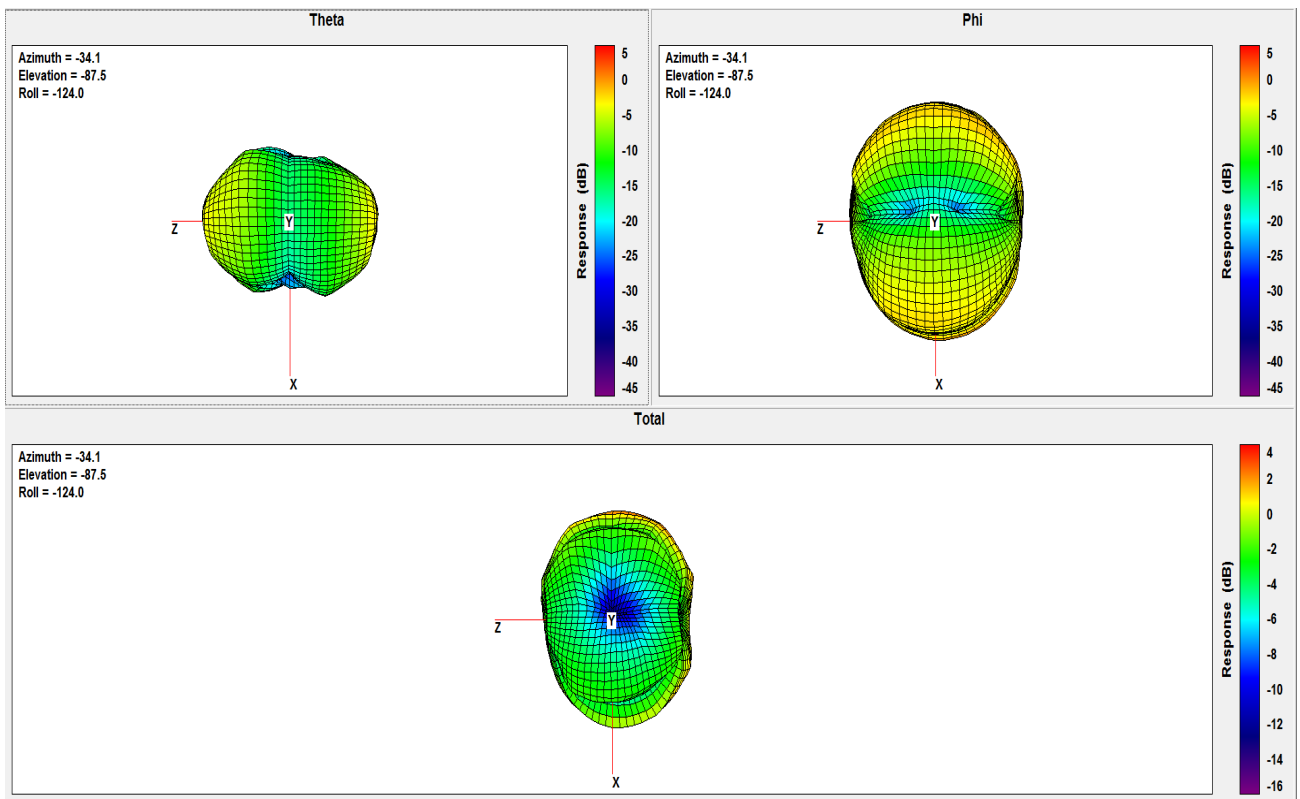
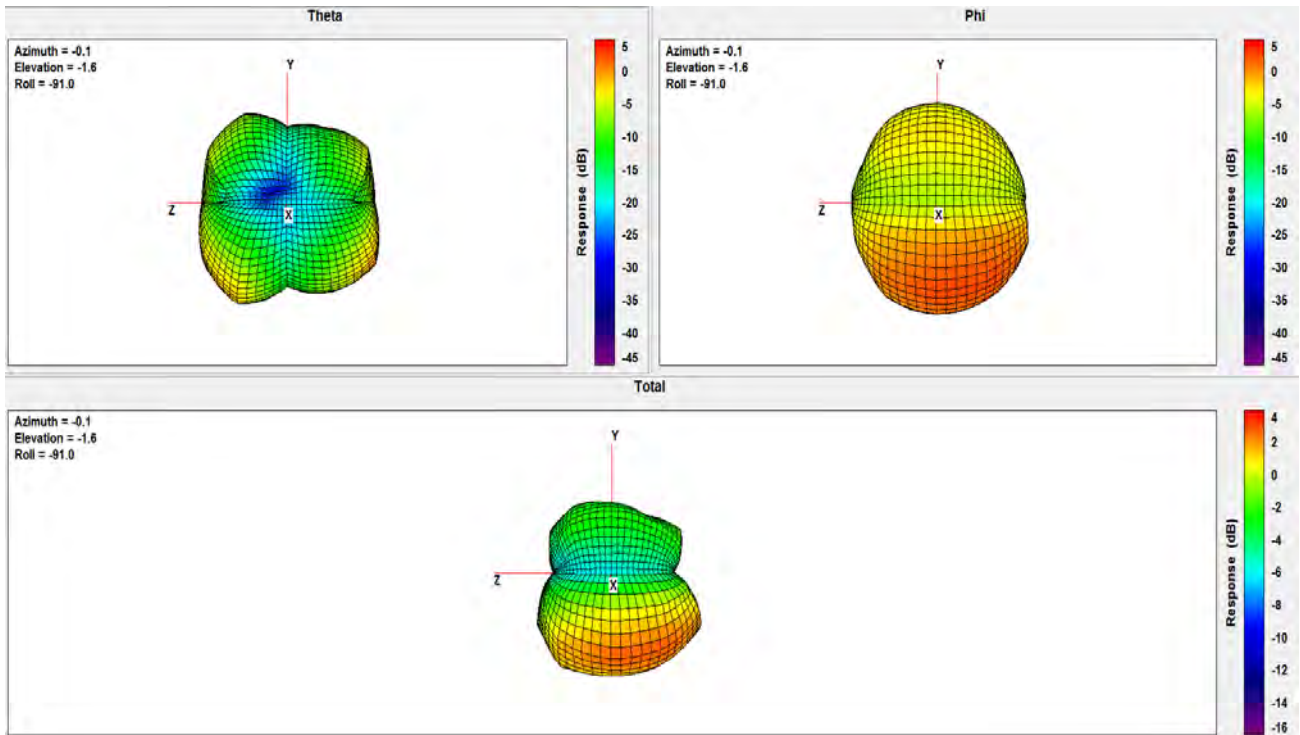


Frequency (MHz)	600	605	610	615	620	625	630	635	640
Peak Gain (dBi)	2.12	2.43	2.73	3.03	3.25	3.45	3.54	3.59	3.50
Efficiency (%)	71.90	75.13	78.60	82.02	84.45	86.35	86.66	85.86	82.93
Frequency (MHz)	645	650	655	660	665	670	675	680	685
Peak Gain (dBi)	3.38	3.22	3.08	2.98	2.90	2.87	2.83	2.93	3.06
Efficiency (%)	79.51	75.64	72.28	69.81	67.81	67.00	66.92	67.85	68.78

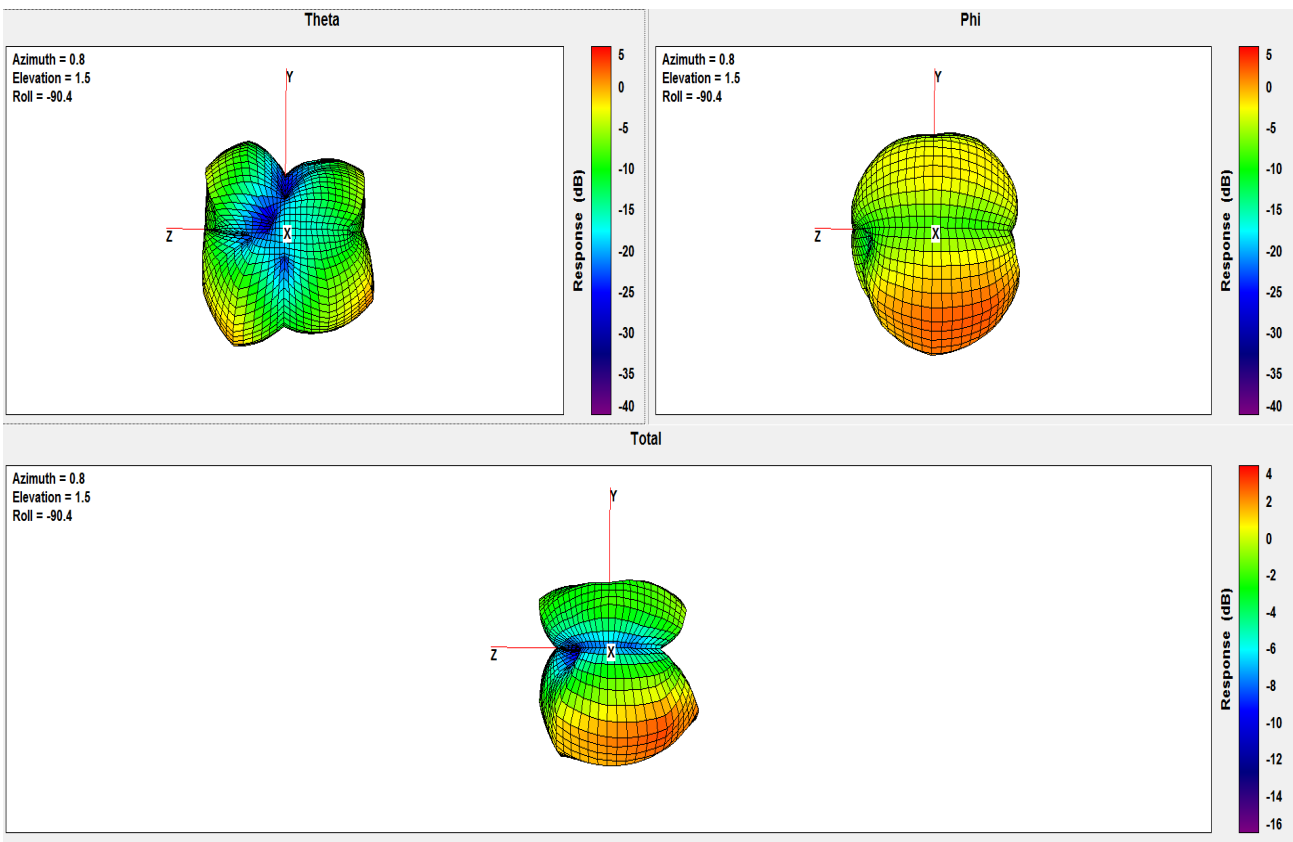
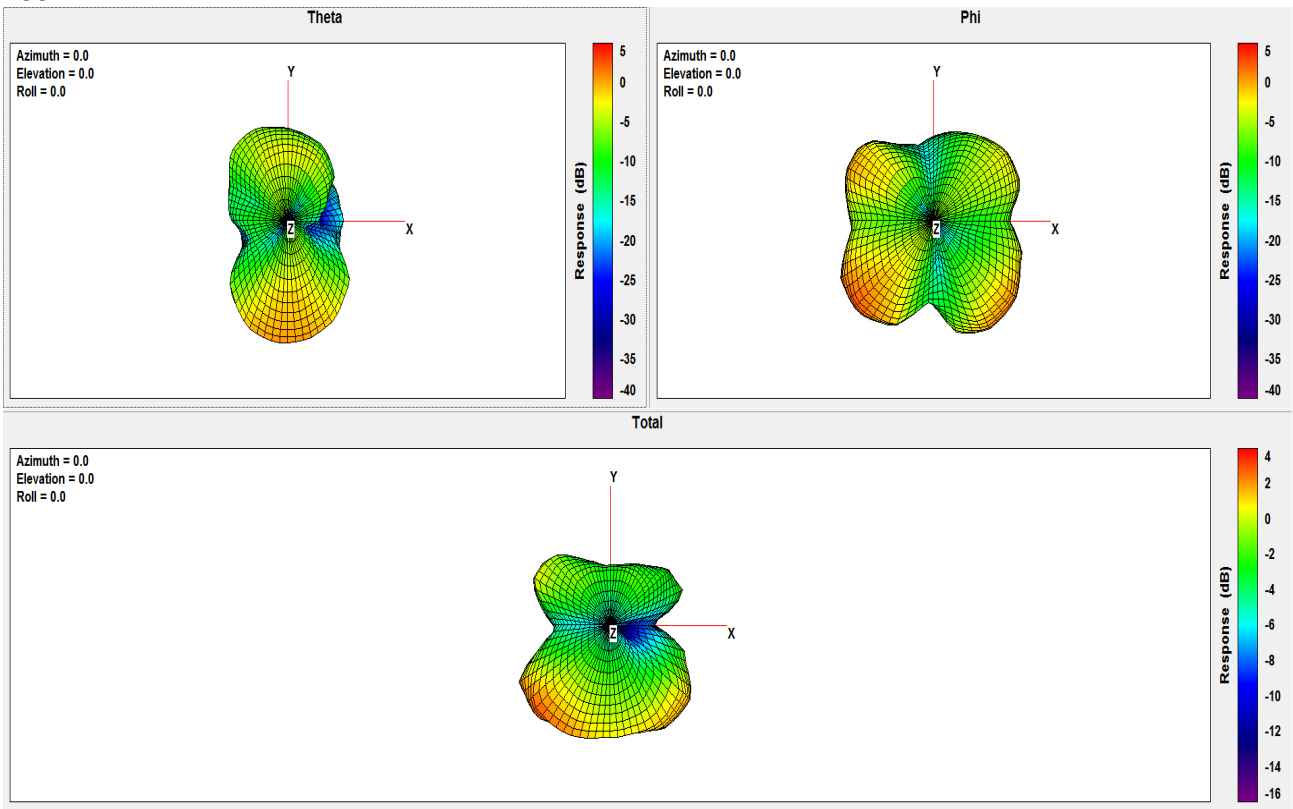
Frequency (MHz)	690	695	700	705	710	715	720	725	730
Peak Gain (dBi)	3.17	3.27	3.30	3.29	3.24	3.11	3.21	3.28	3.35
Efficiency (%)	70.40	71.74	73.38	73.99	73.33	70.81	67.91	65.34	63.16
Frequency (MHz)	735	740	746	751	756	777	782	787	791
Peak Gain (dBi)	3.33	3.29	3.12	3.04	2.91	2.44	2.34	2.21	2.20
Efficiency (%)	60.82	58.69	56.69	55.32	54.20	51.63	50.52	49.69	49.38

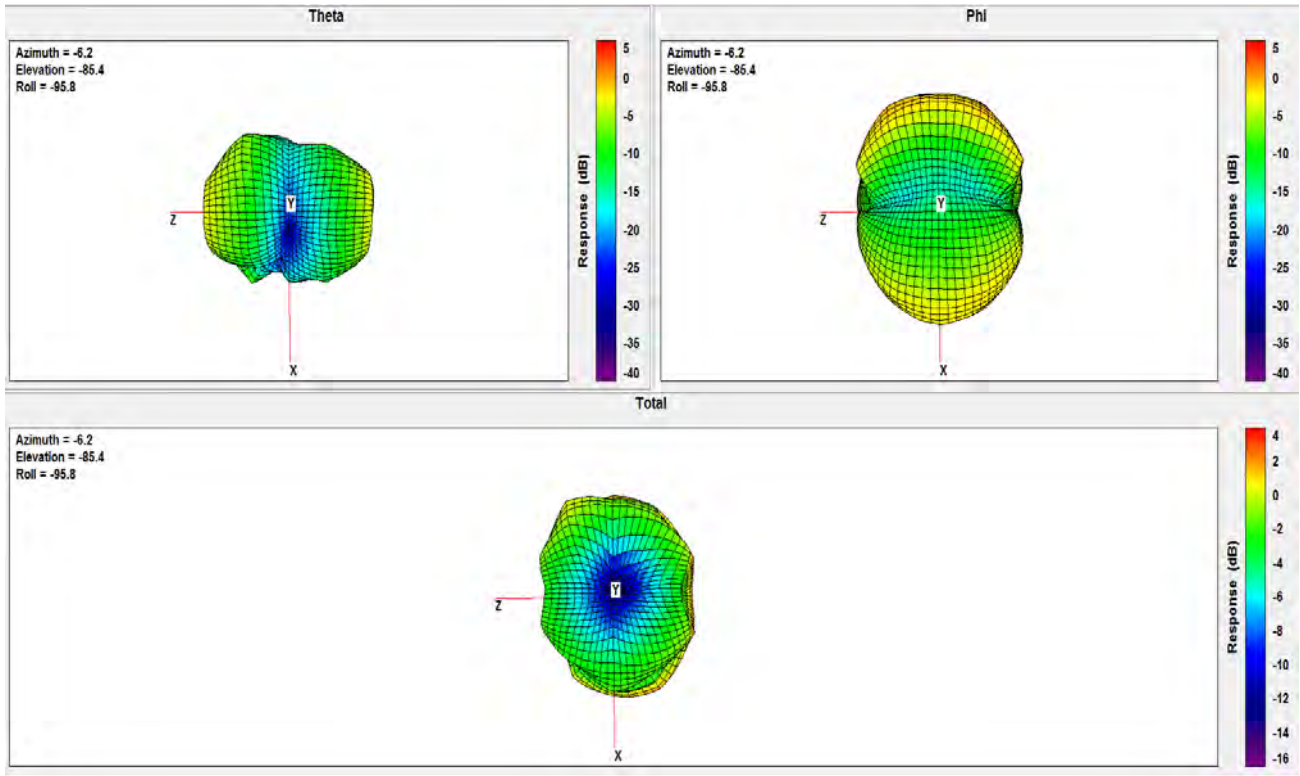
650Mhz





700Mhz





750Mhz

