

# UHF ANTENNA

Model: TH-734



## 1. GENERAL DESCRIPTION

P/N
TH734-BNC(M)

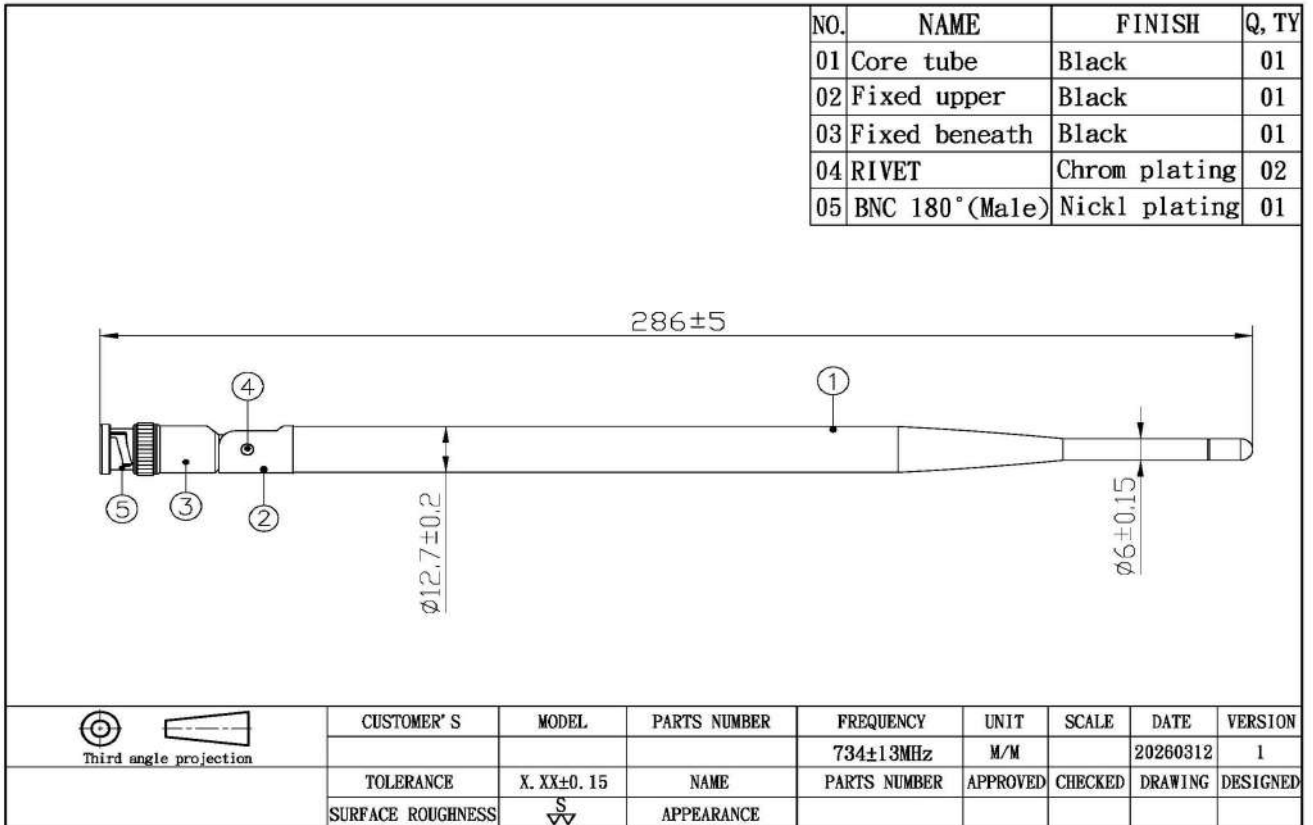
### 1.1 Electrical Properties

Parameter	Description
Frequency Band	734±13MHz
Nominal impedance	50ohm
Polarization	Vertical
V.S.W.R	2.0:1

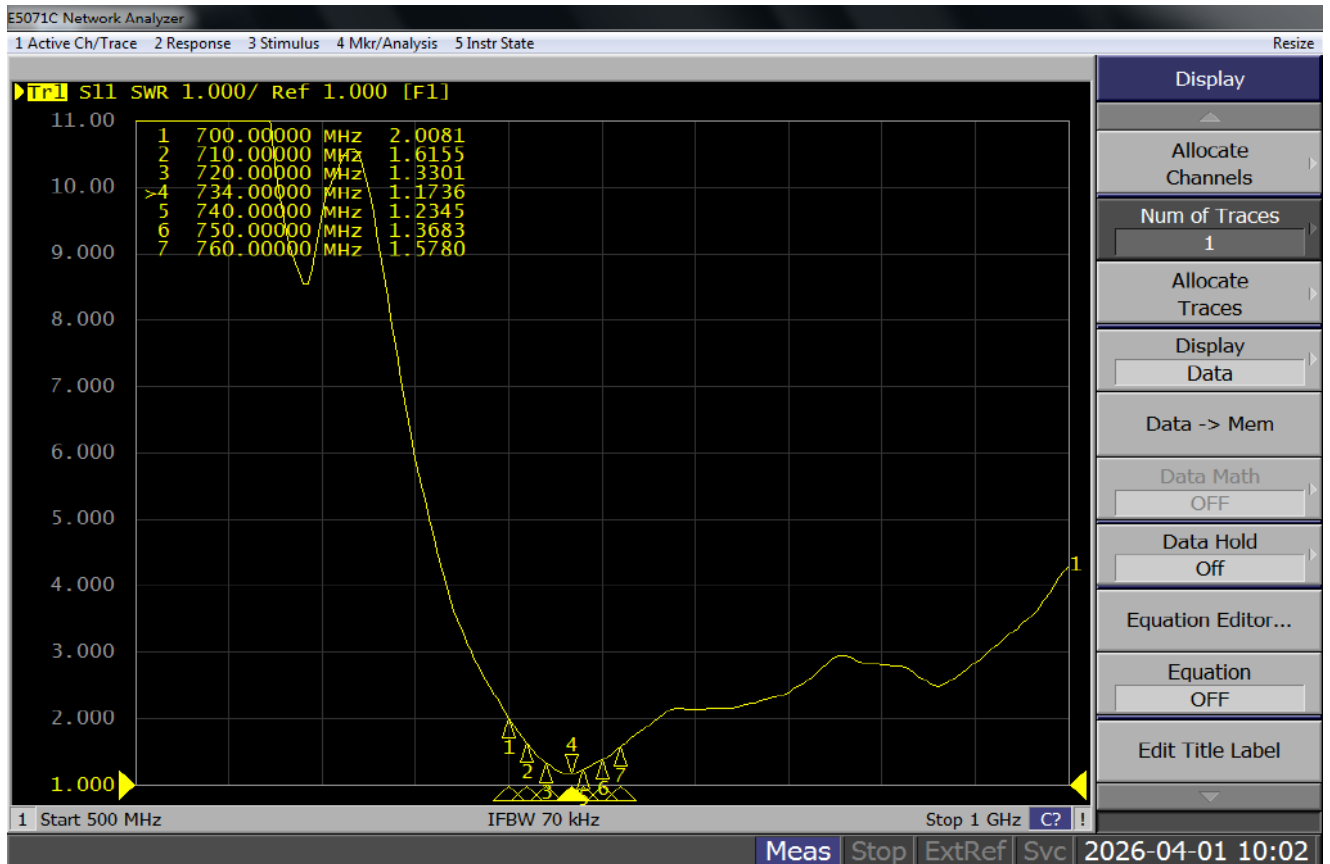
### 1.2 Mechanical Properties

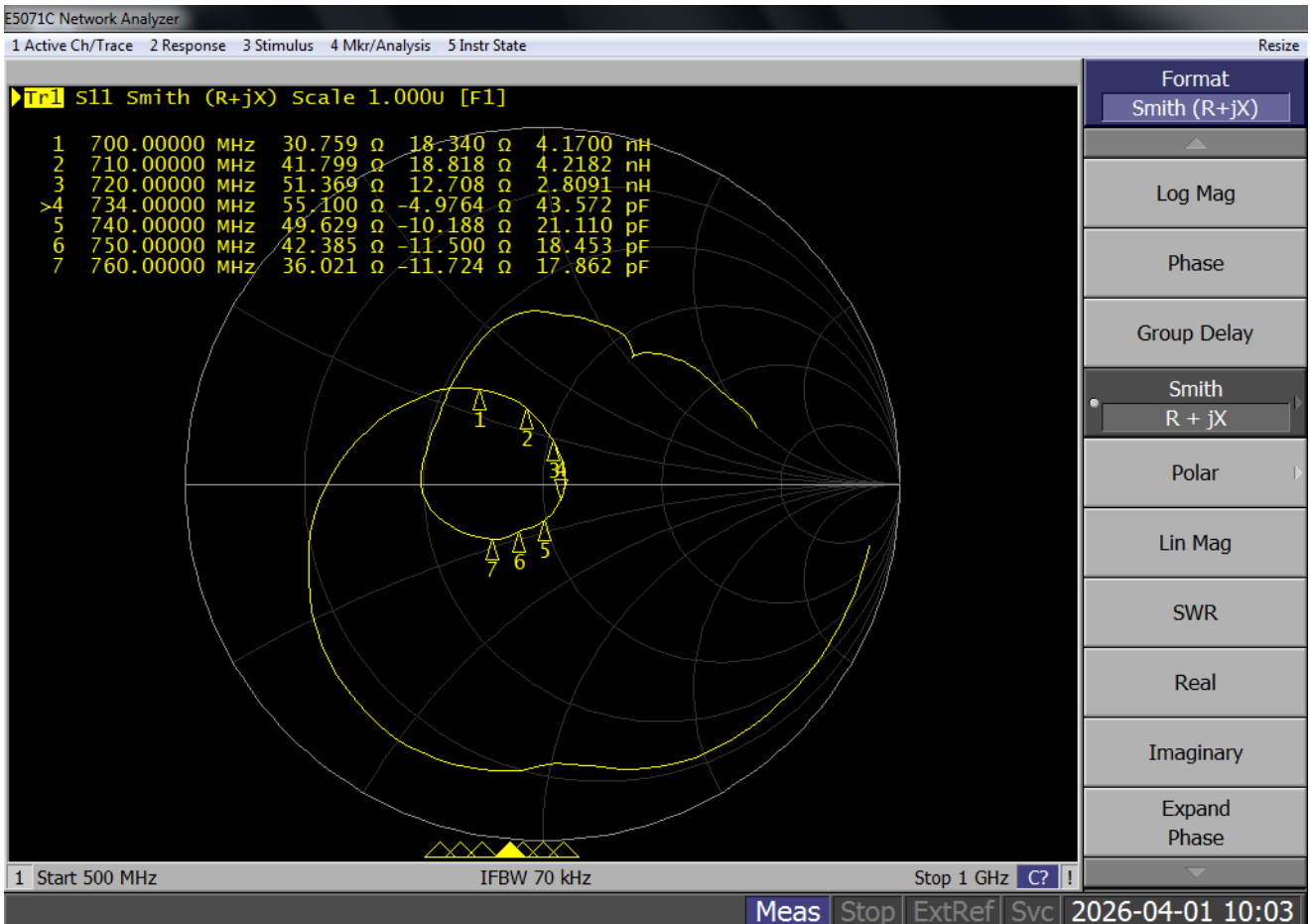
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	PU
Touch Type	Screw Type
Connector Type	BNC 180° (Male)
Antenna Dimensions	286 mm±5
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

## 2. APPEARANCE:



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



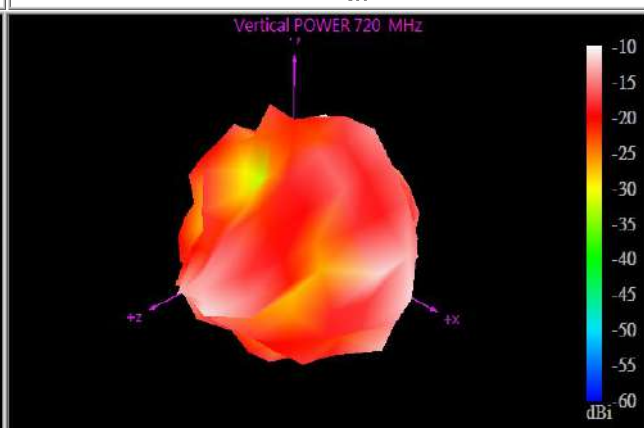
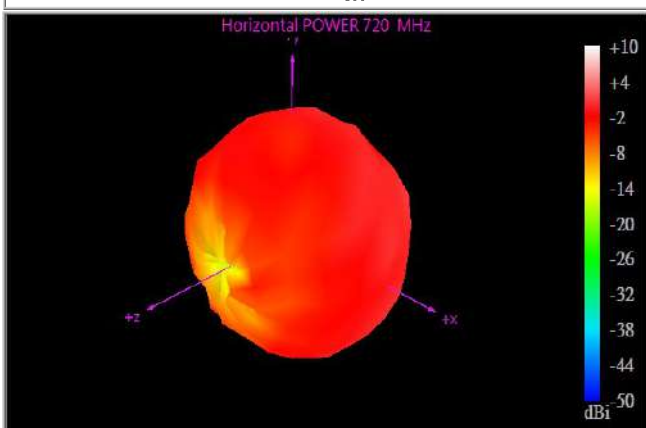
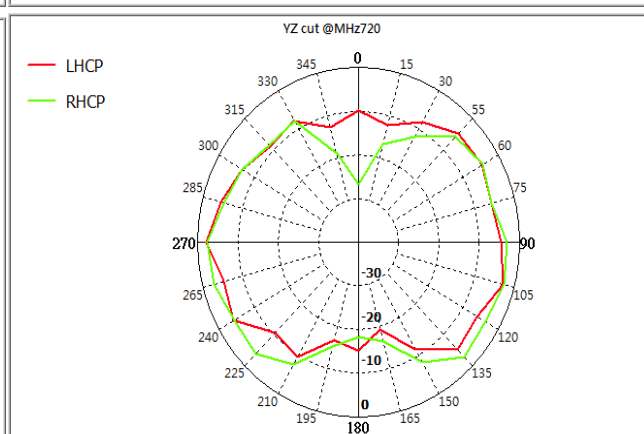
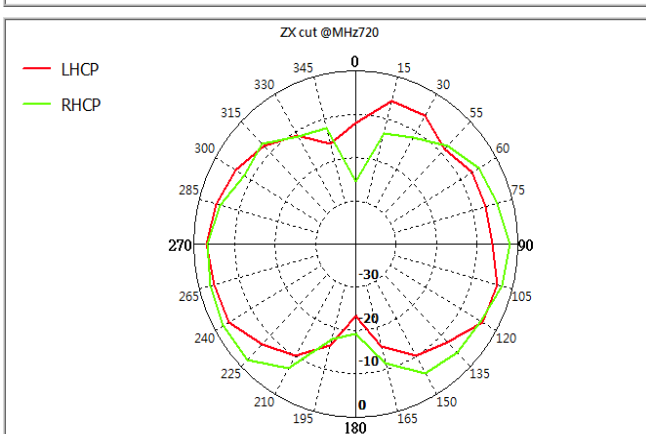
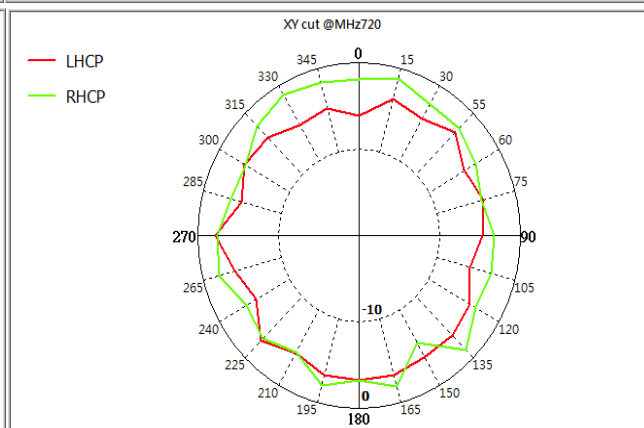
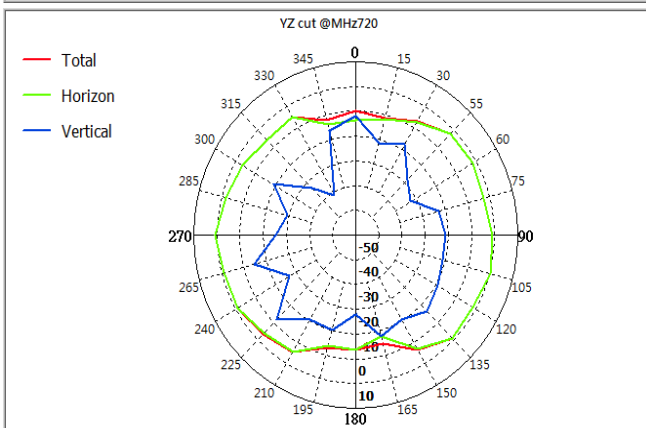
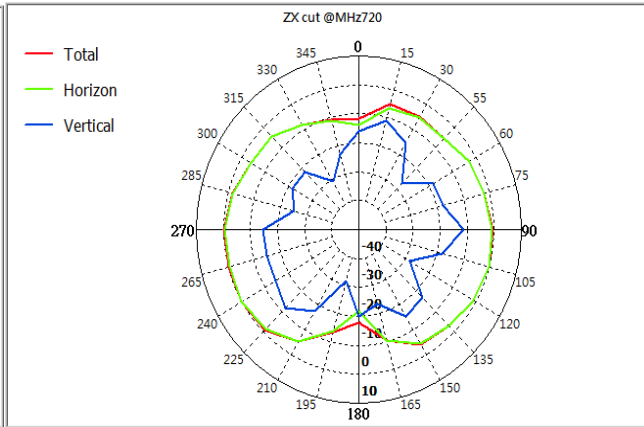
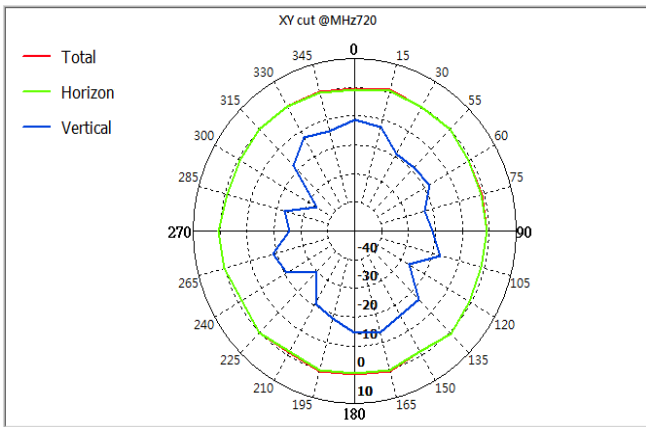


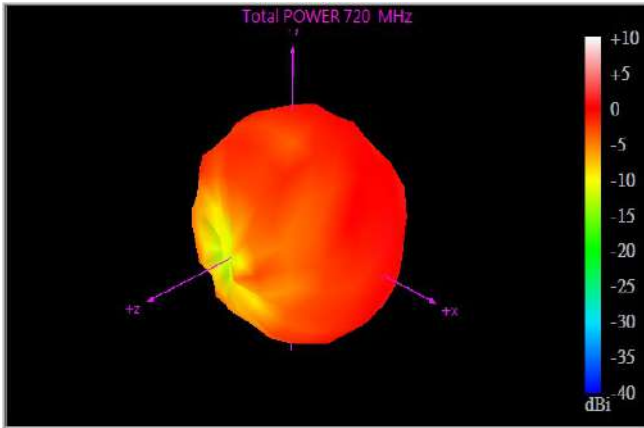
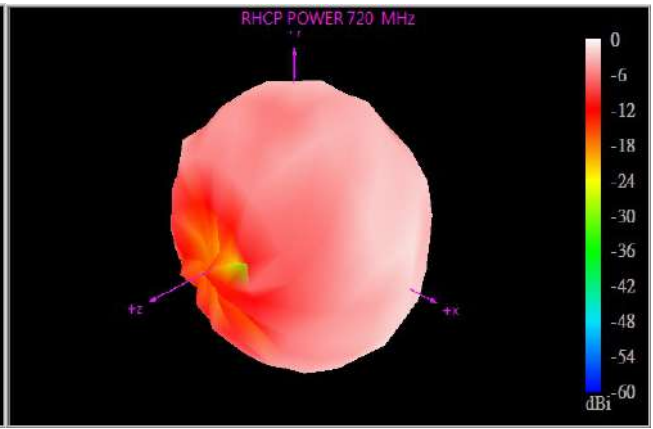
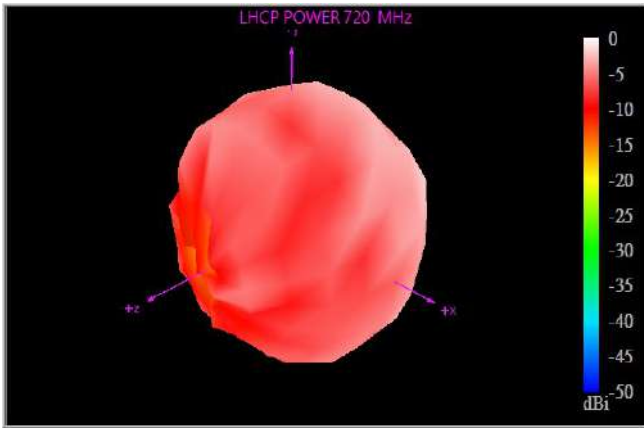


### 3D Total

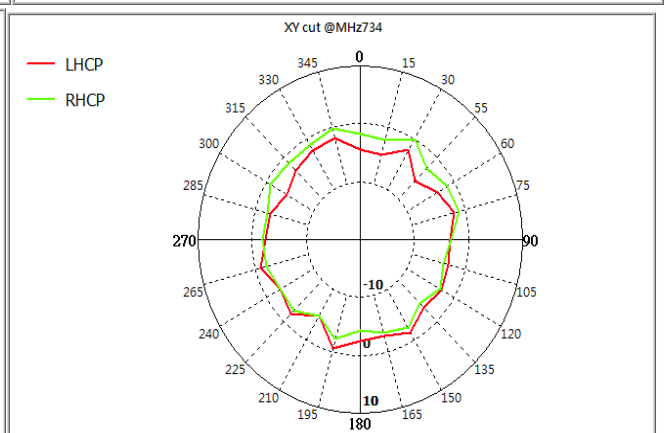
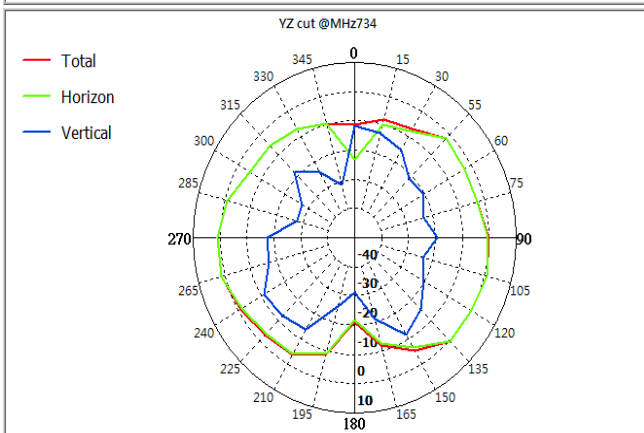
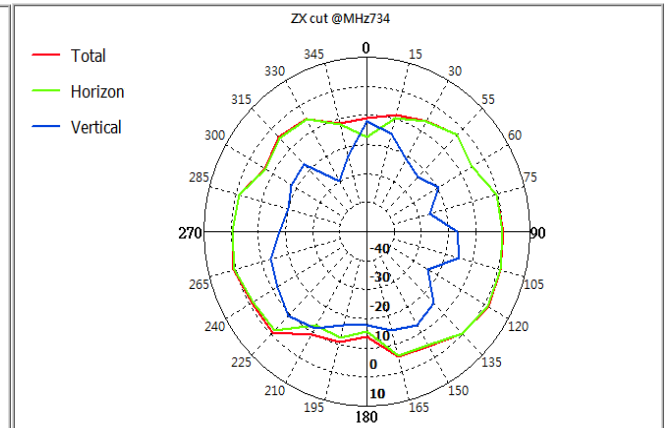
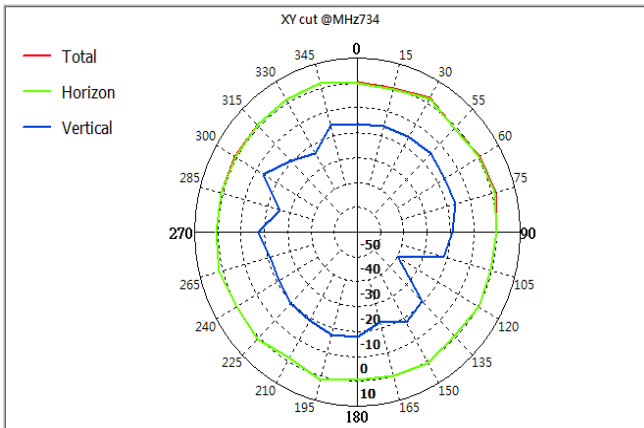
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
700 MHz	-5.37	-5.53	-2.44	57.03	0.67	-2.44
705 MHz	-6.91	-6.29	-3.58	43.85	-0.65	-3.58
710 MHz	-5.76	-4.92	-2.31	58.74	1.18	-2.31
715 MHz	-6.61	-5.31	-2.90	51.31	1.09	-2.90
720 MHz	-6.14	-4.74	-2.37	57.90	1.22	-2.37
725 MHz	-6.42	-4.71	-2.47	56.64	1.59	-2.47
730 MHz	-5.99	-3.89	-1.80	66.06	1.76	-1.80
734 MHz	-5.99	-3.77	-1.73	67.20	2.57	-1.73
735 MHz	-6.16	-3.69	-1.75	66.91	2.44	-1.75
740 MHz	-6.53	-3.94	-2.04	62.57	2.24	-2.04
745 MHz	-6.70	-3.98	-2.12	61.42	2.42	-2.12
750 MHz	-5.25	-2.40	-0.59	87.33	3.43	-0.59
755 MHz	-6.07	-3.10	-1.32	73.73	2.81	-1.32
760 MHz	-5.87	-2.59	-0.92	80.95	3.51	-0.92
765 MHz	-6.09	-3.00	-1.27	74.70	3.23	-1.27
770 MHz	-6.18	-3.07	-1.34	73.37	2.87	-1.34

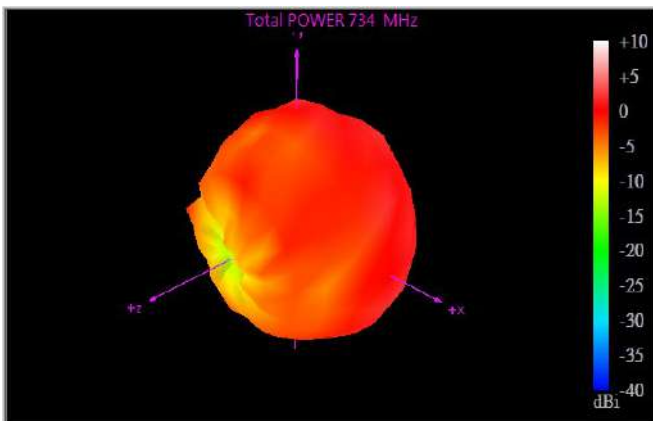
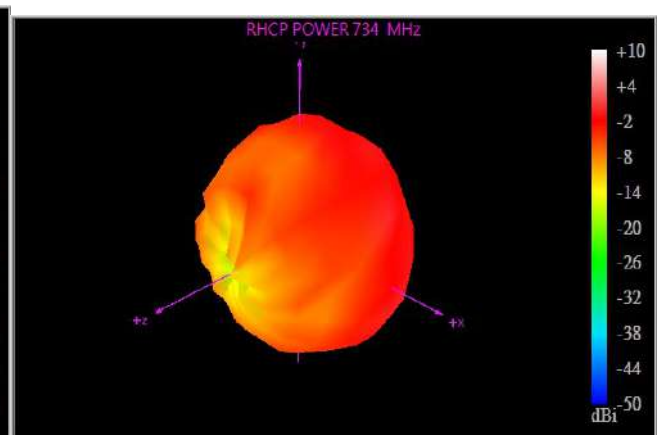
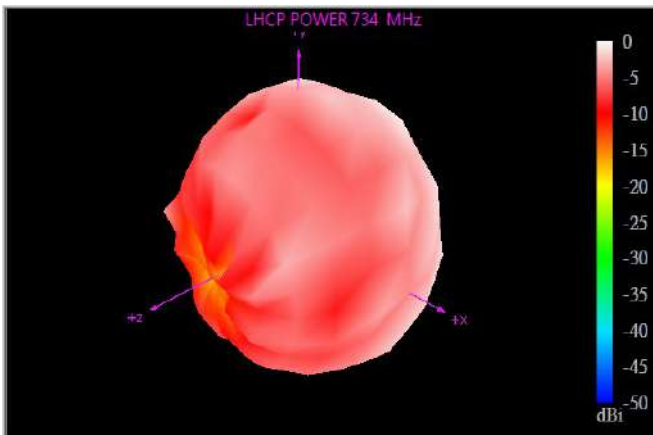
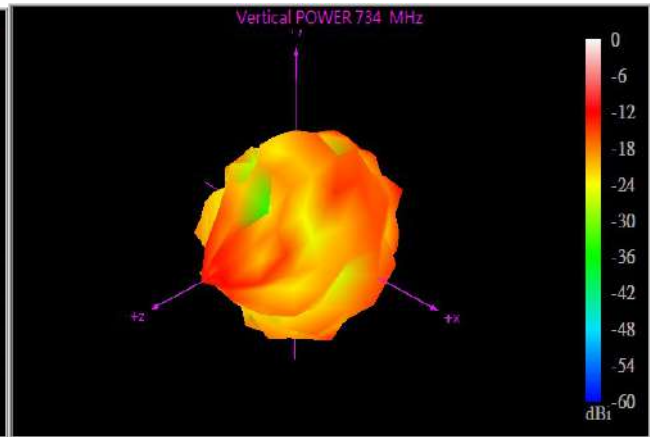
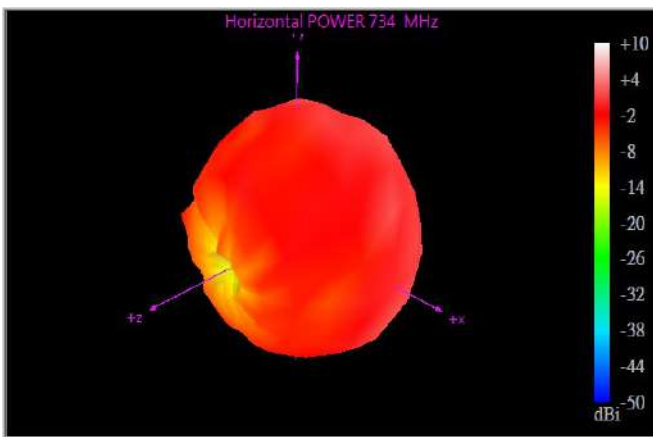
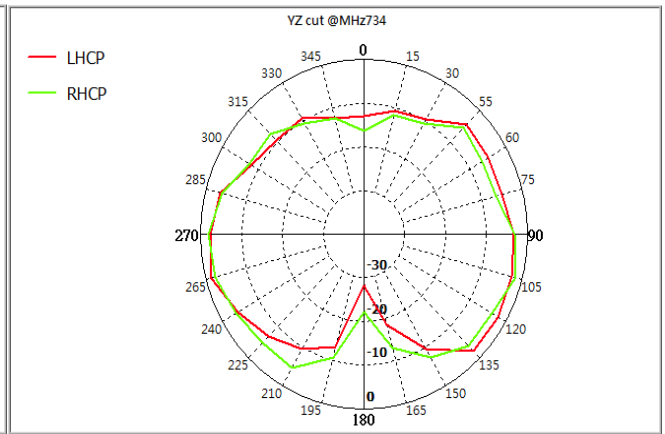
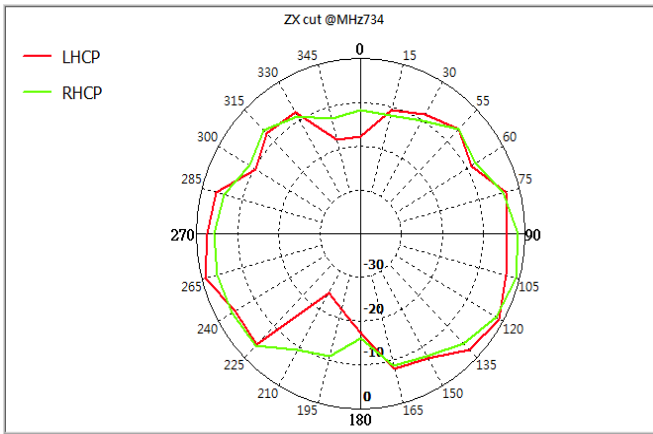
720Mhz:





### 734 Mhz:





750 Mhz:

