

# UHF ANTENNA

Model: TH-780D



## 1. GENERAL DESCRIPTION

P/N
TH780D-BNC(M)

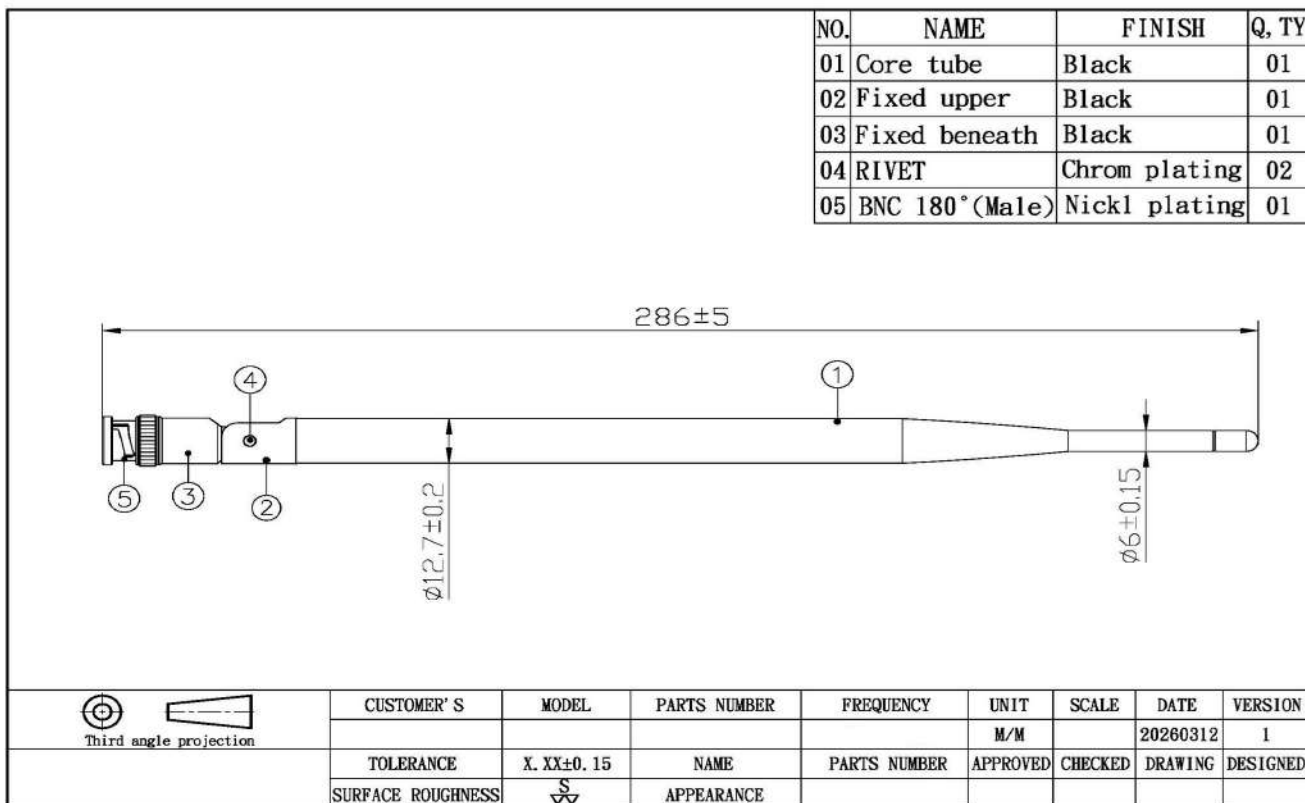
### 1.1 Electrical Properties

Parameter	Description
Frequency Band	780+/-20MHz
Nominal impedance	50ohm
Polarization	Vertical
V.S.W.R	2.0:1

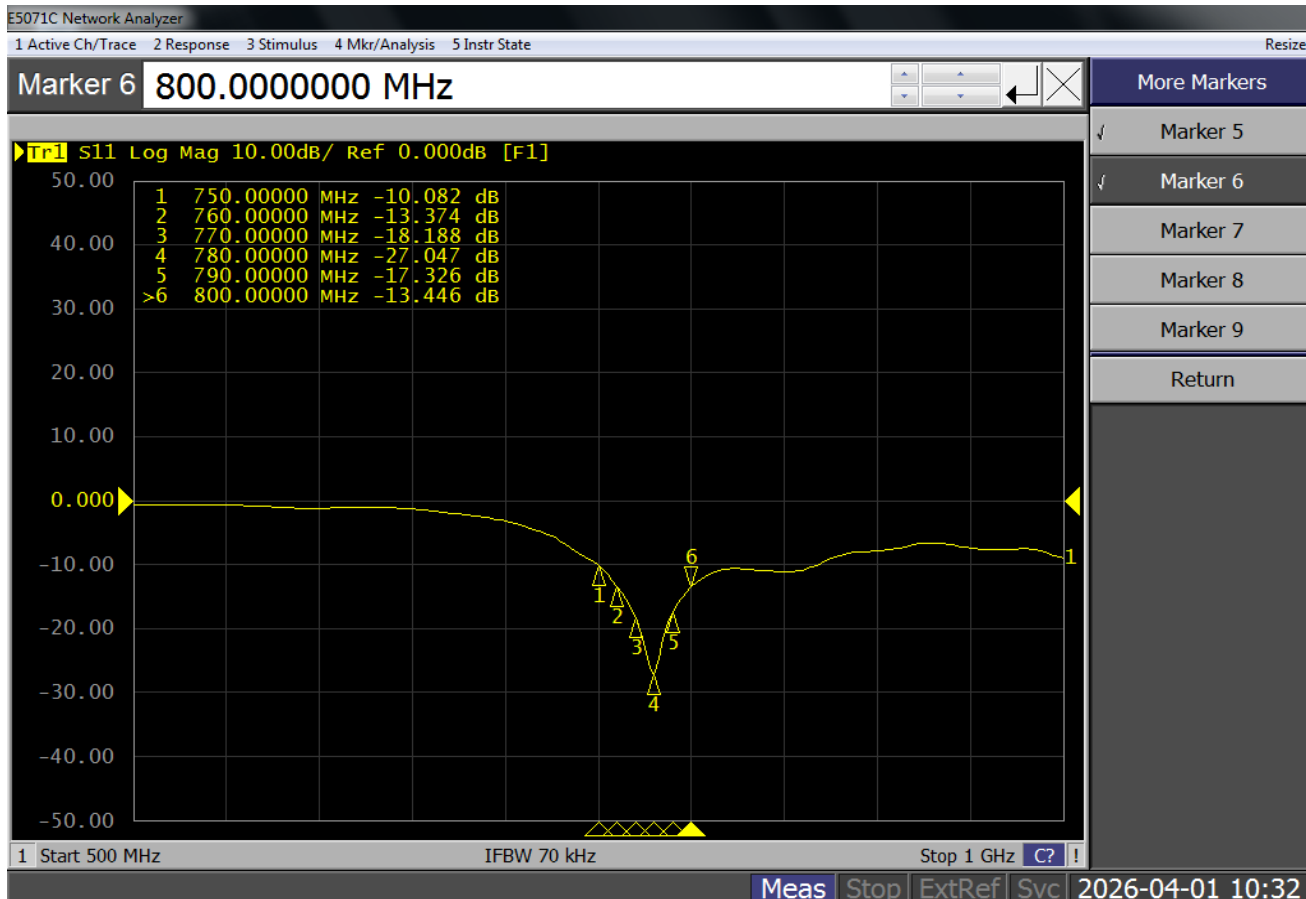
### 1.2 Mechanical Properties

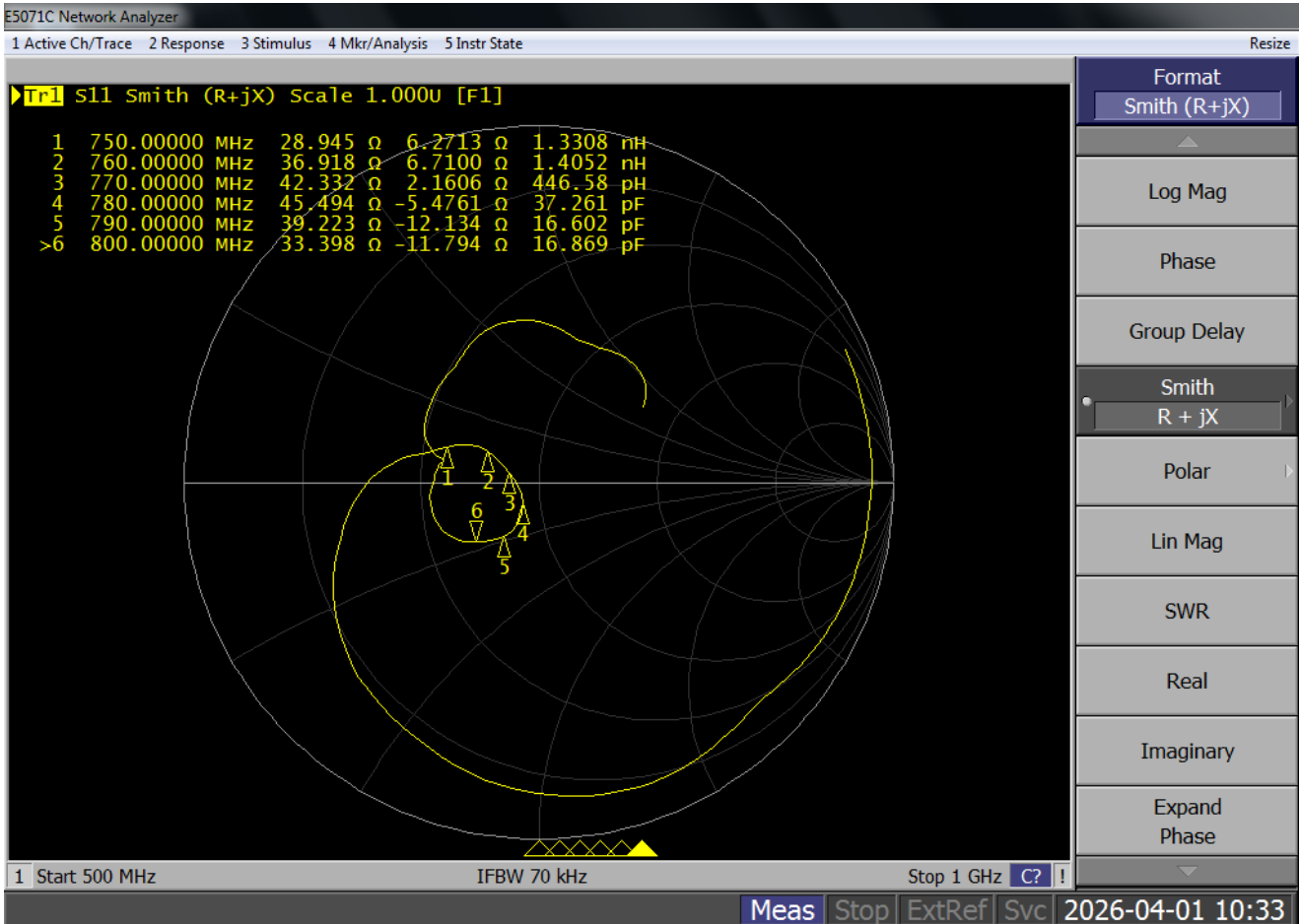
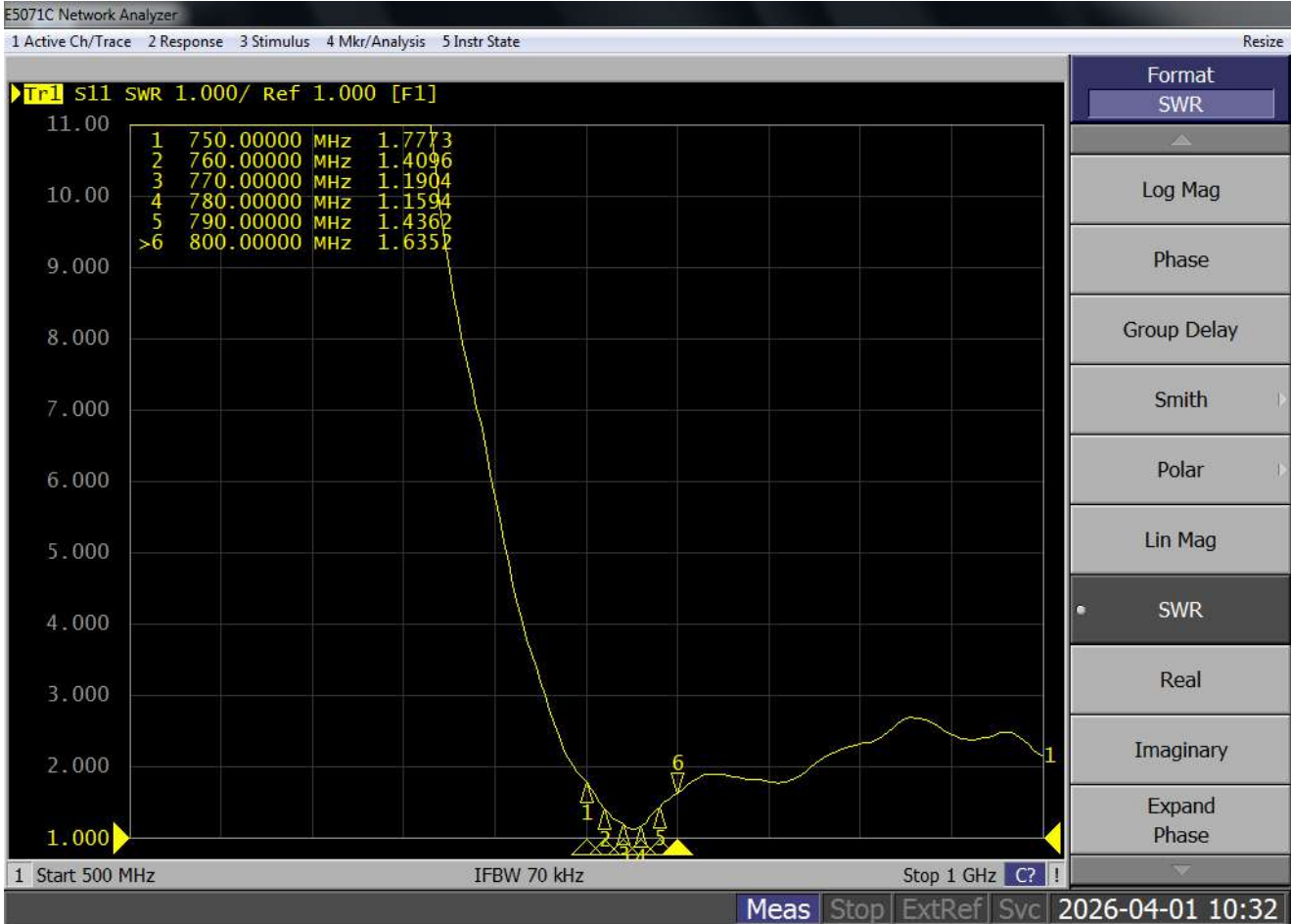
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	PU
Touch Type	Screw Type
Connector Type	BNC 180° (Male)
Antenna Dimensions	286 mm±5
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

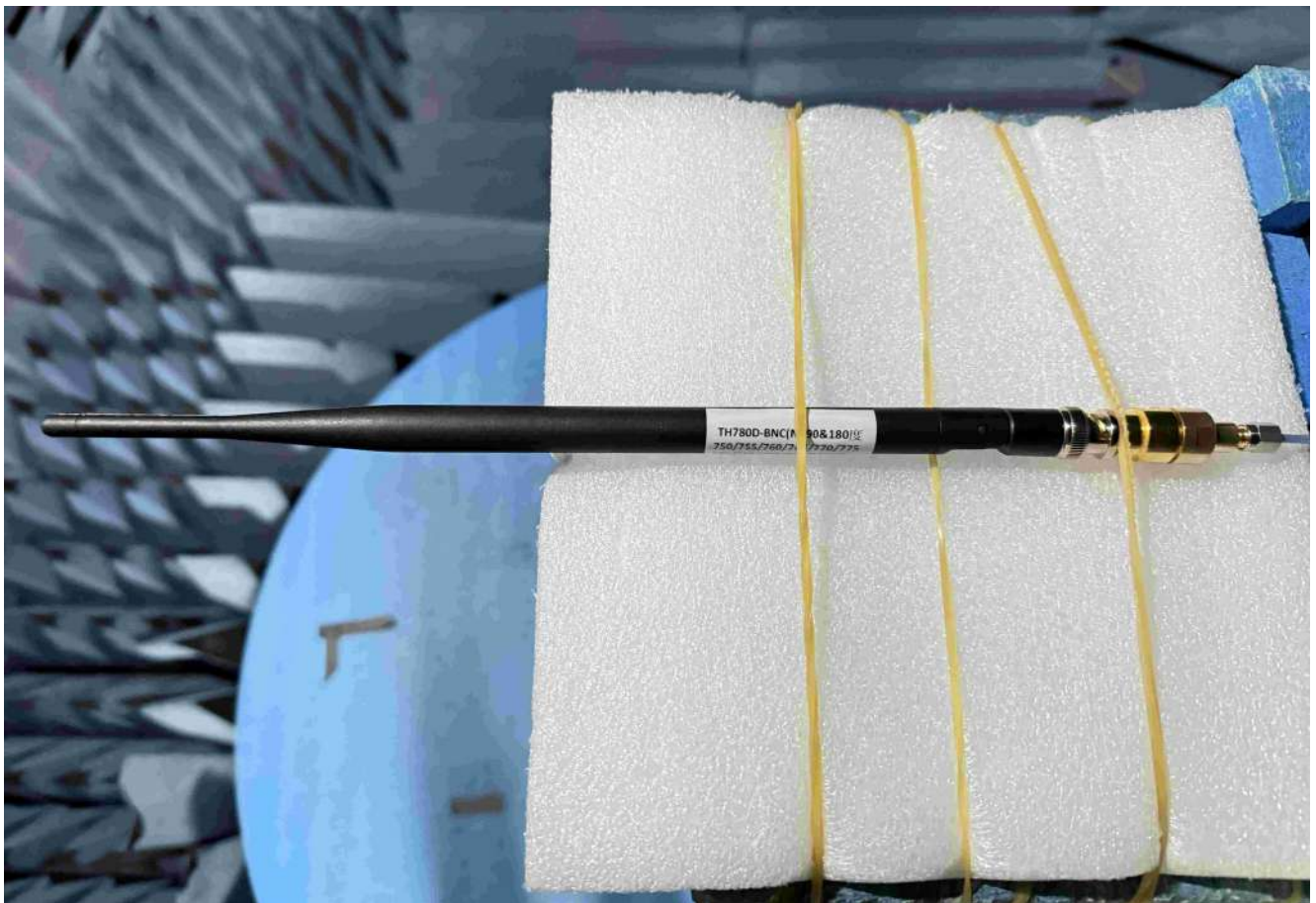
## 2. APPEARANCE:



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



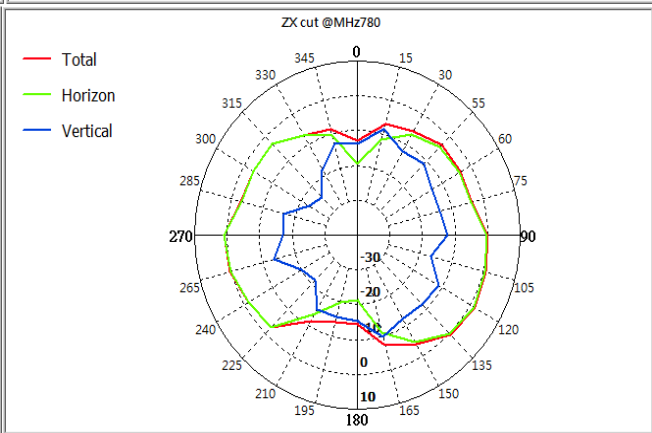
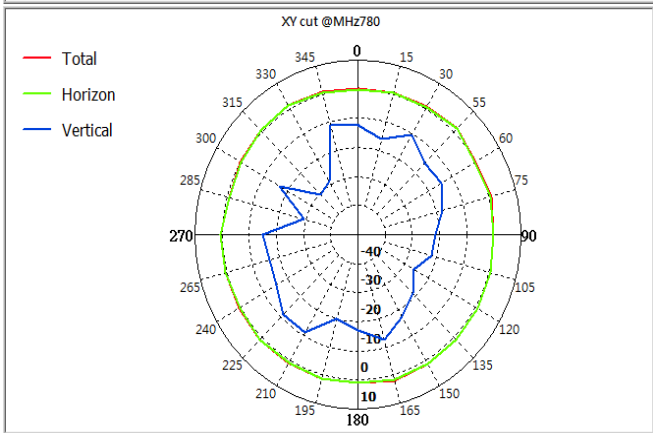
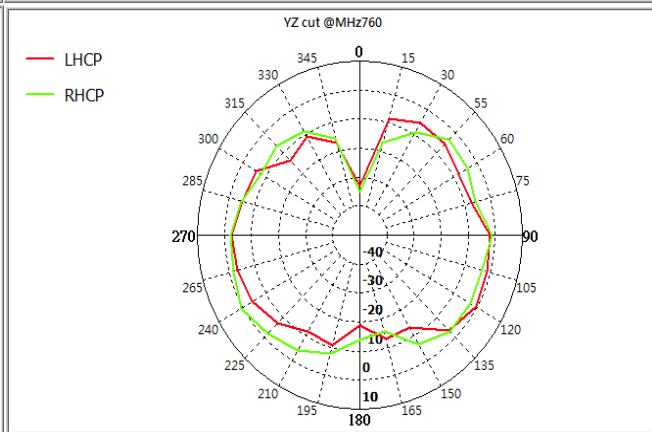
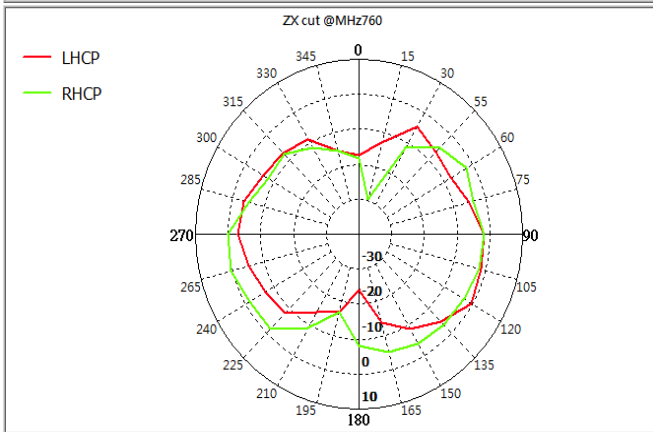
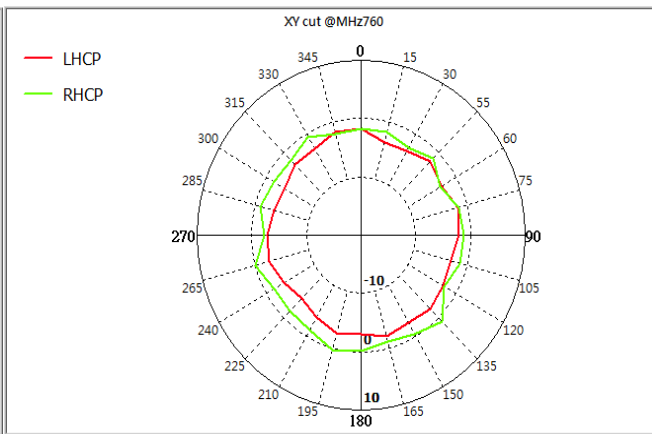
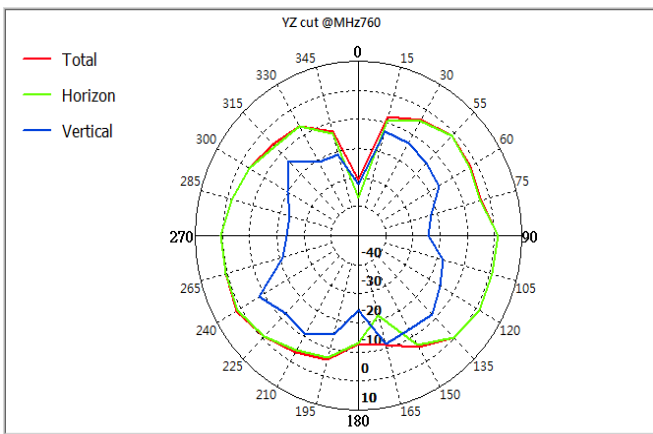
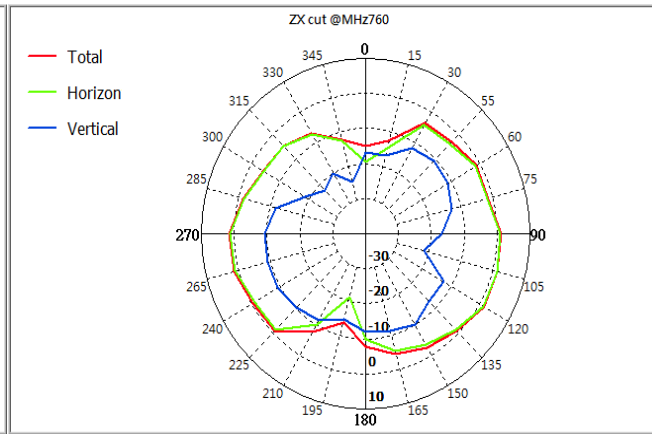
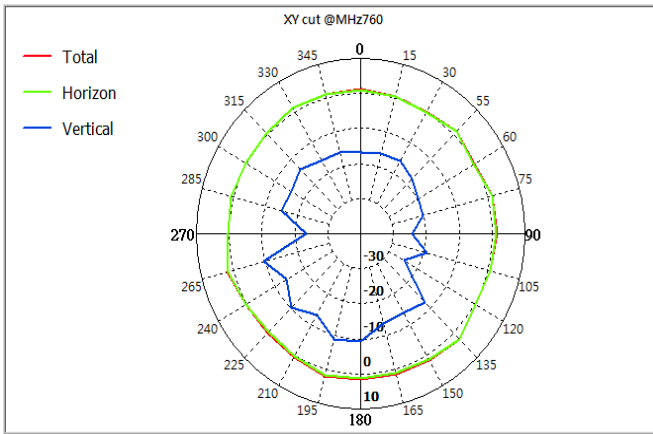


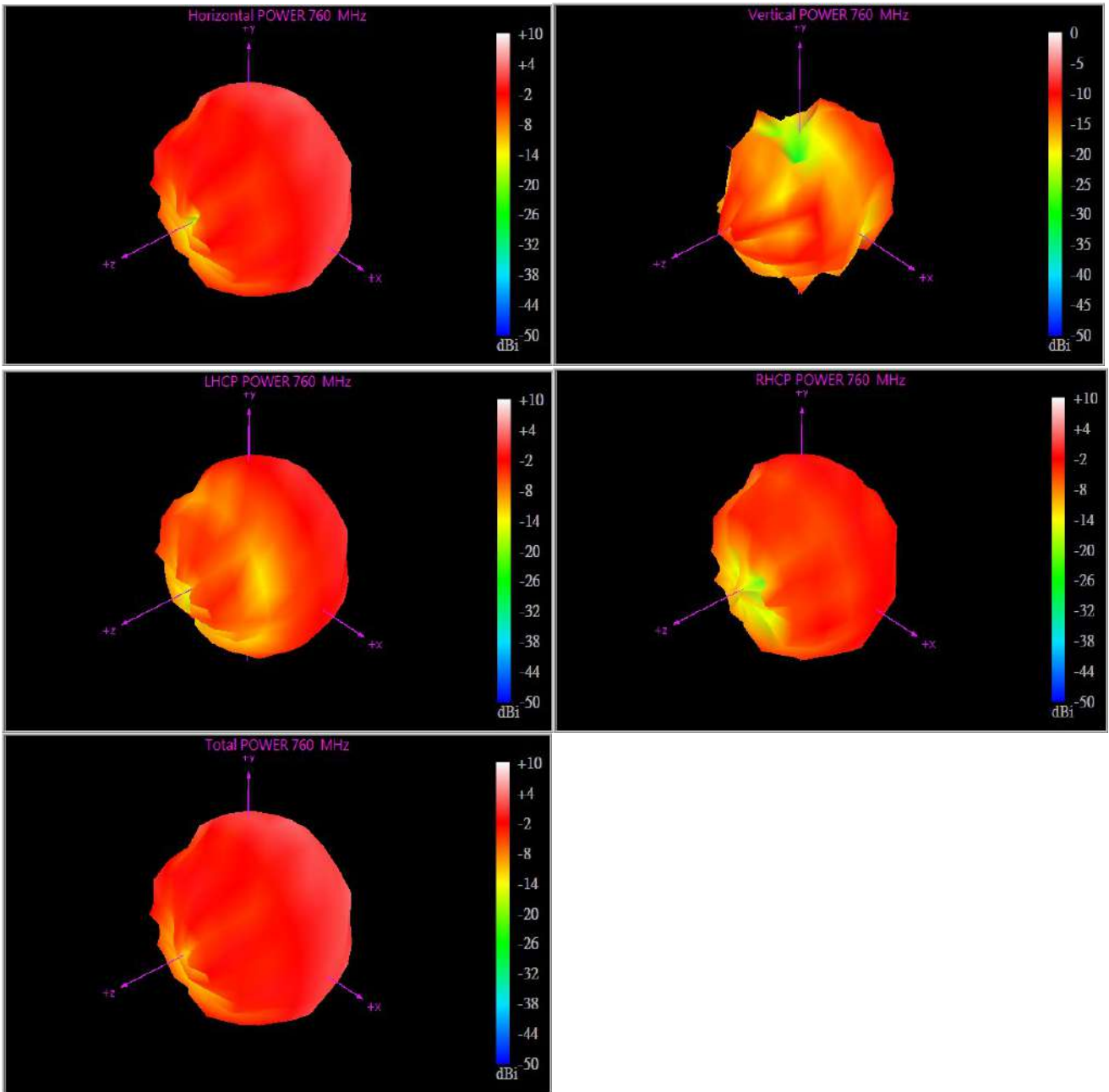


### 3D Total

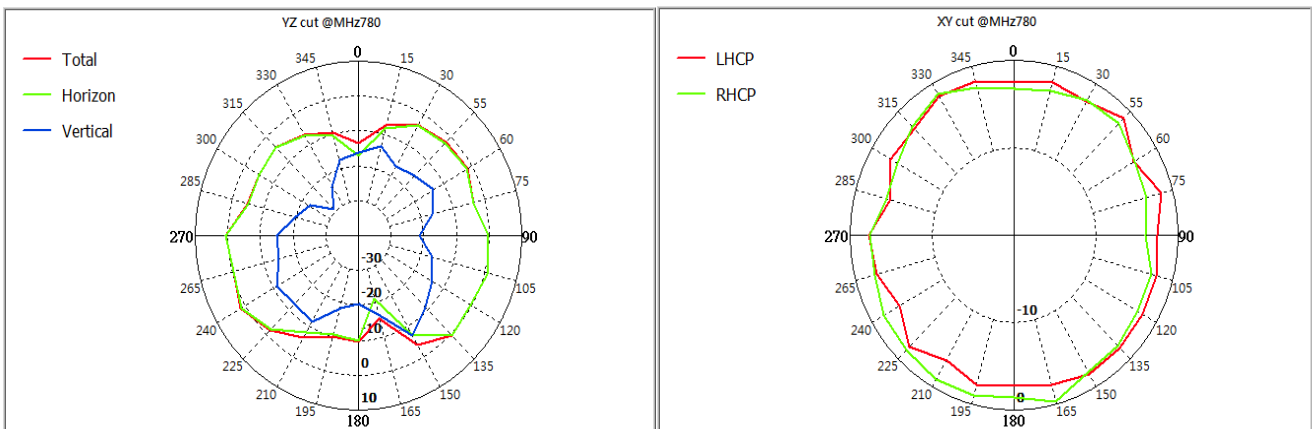
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
750 MHz	-5.46	-2.98	-1.03	78.81	3.88	-1.03
755 MHz	-6.09	-3.53	-1.61	68.96	2.24	-1.61
760 MHz	-5.75	-3.05	-1.19	76.11	3.02	-1.19
765 MHz	-5.84	-3.28	-1.36	73.04	2.65	-1.36
770 MHz	-5.83	-3.17	-1.29	74.29	2.94	-1.29
775 MHz	-6.52	-3.44	-1.71	67.51	2.35	-1.71
780 MHz	-6.30	-3.50	-1.67	68.14	2.51	-1.67
785 MHz	-6.44	-3.45	-1.68	67.89	2.32	-1.68
790 MHz	-6.24	-3.20	-1.45	71.61	2.49	-1.45
795 MHz	-7.48	-4.42	-2.68	53.98	1.31	-2.68
800 MHz	-7.87	-4.69	-2.99	50.25	1.31	-2.99

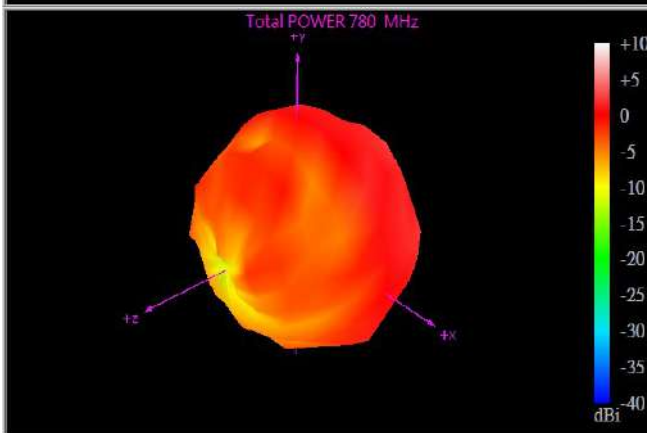
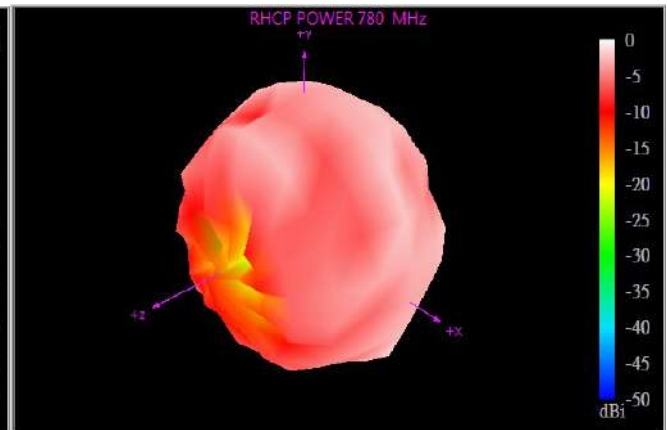
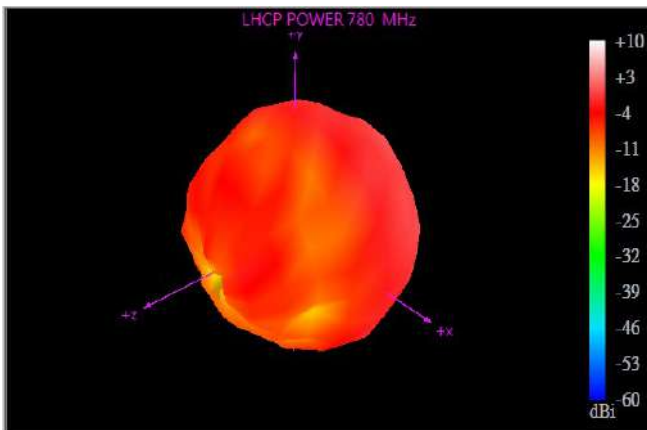
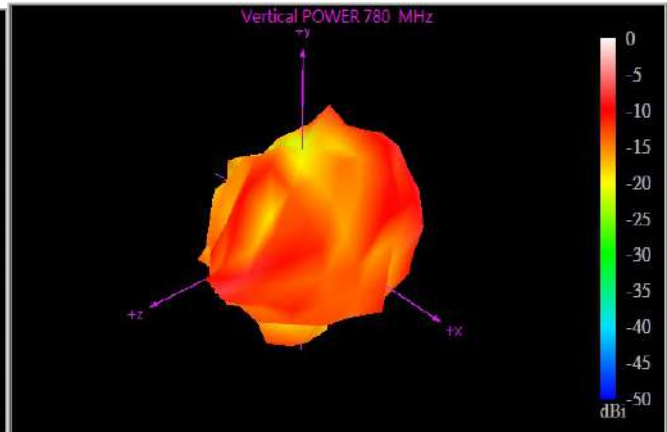
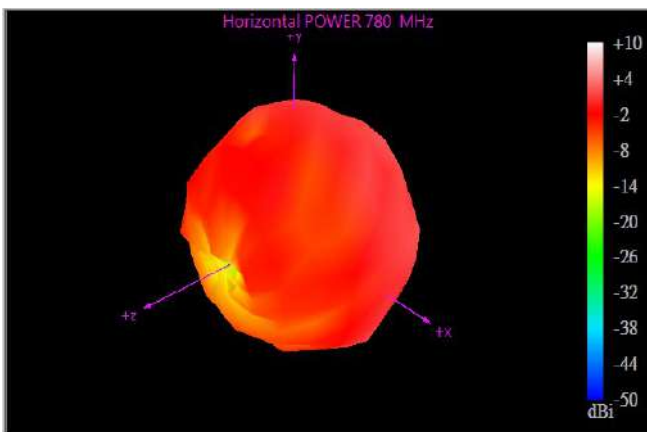
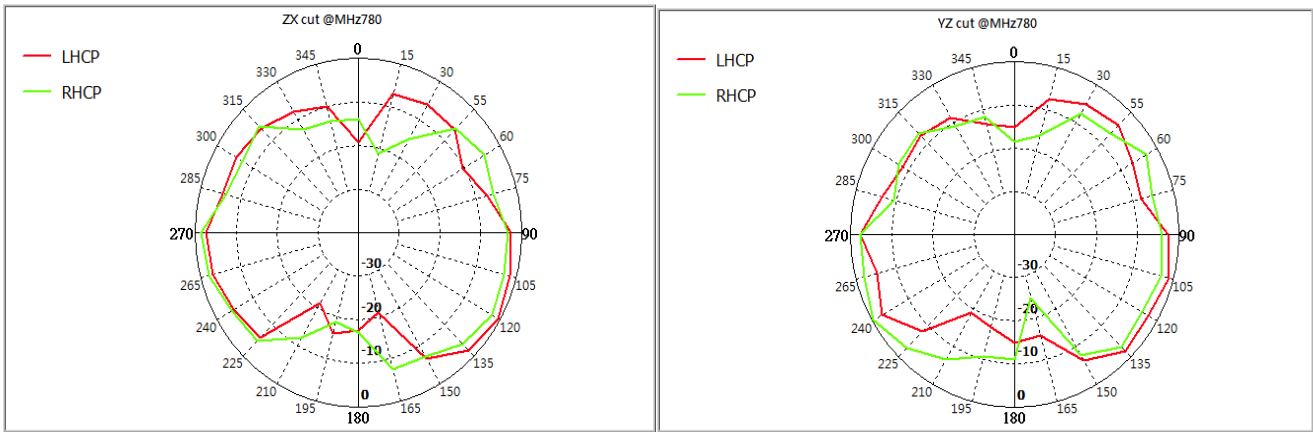
760Mhz:





780Mhz:





790MHz:

