

UHF WHIP ANTENNA

Model : TH915K
FOR RFID UHF & ISM & ZigBee



1. GENERAL DESCRIPTION

P/N
TH915K-TNC(M)

1.1 Electric Properties

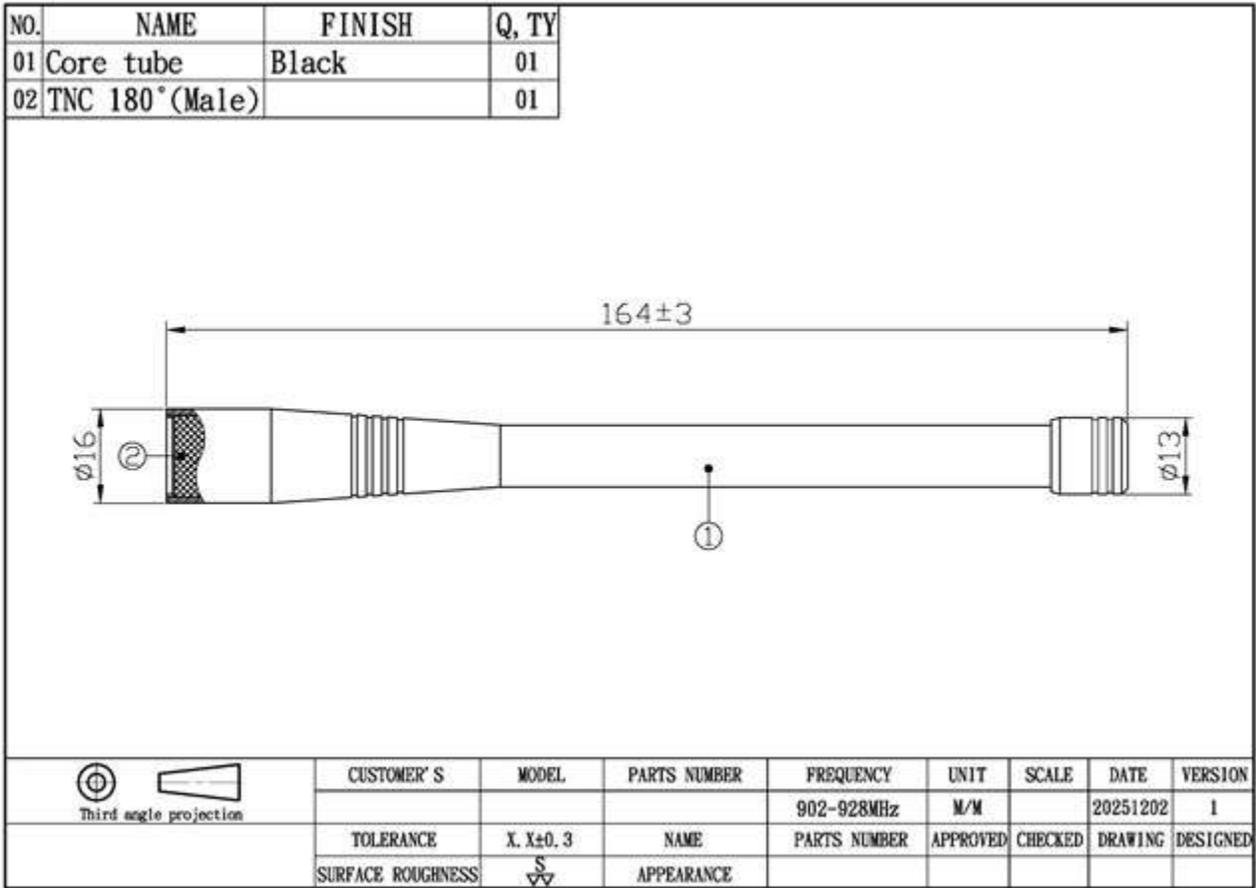
Parameter	Description
Frequency Band	902~928MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1

1.2 Mechanical Properties

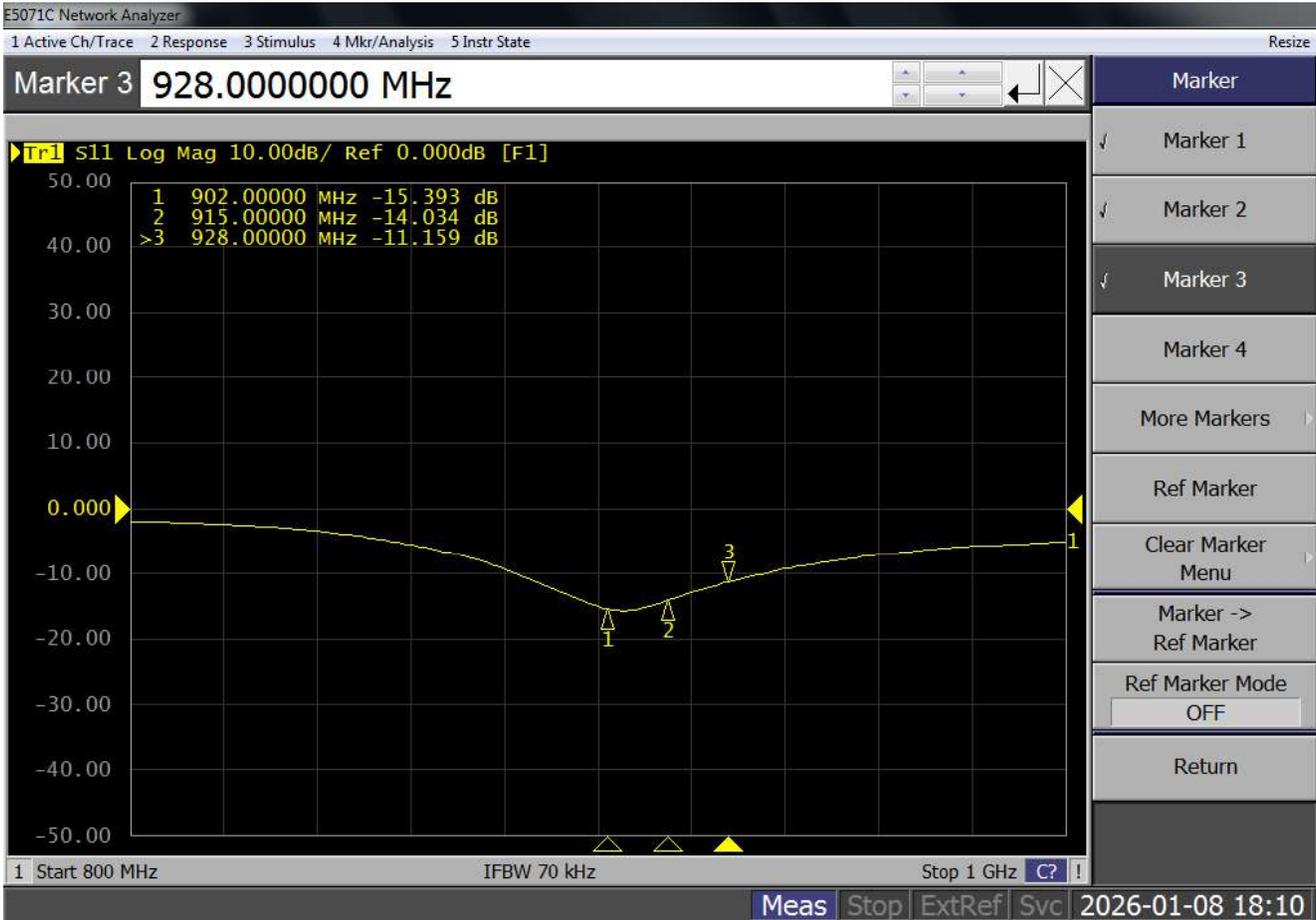
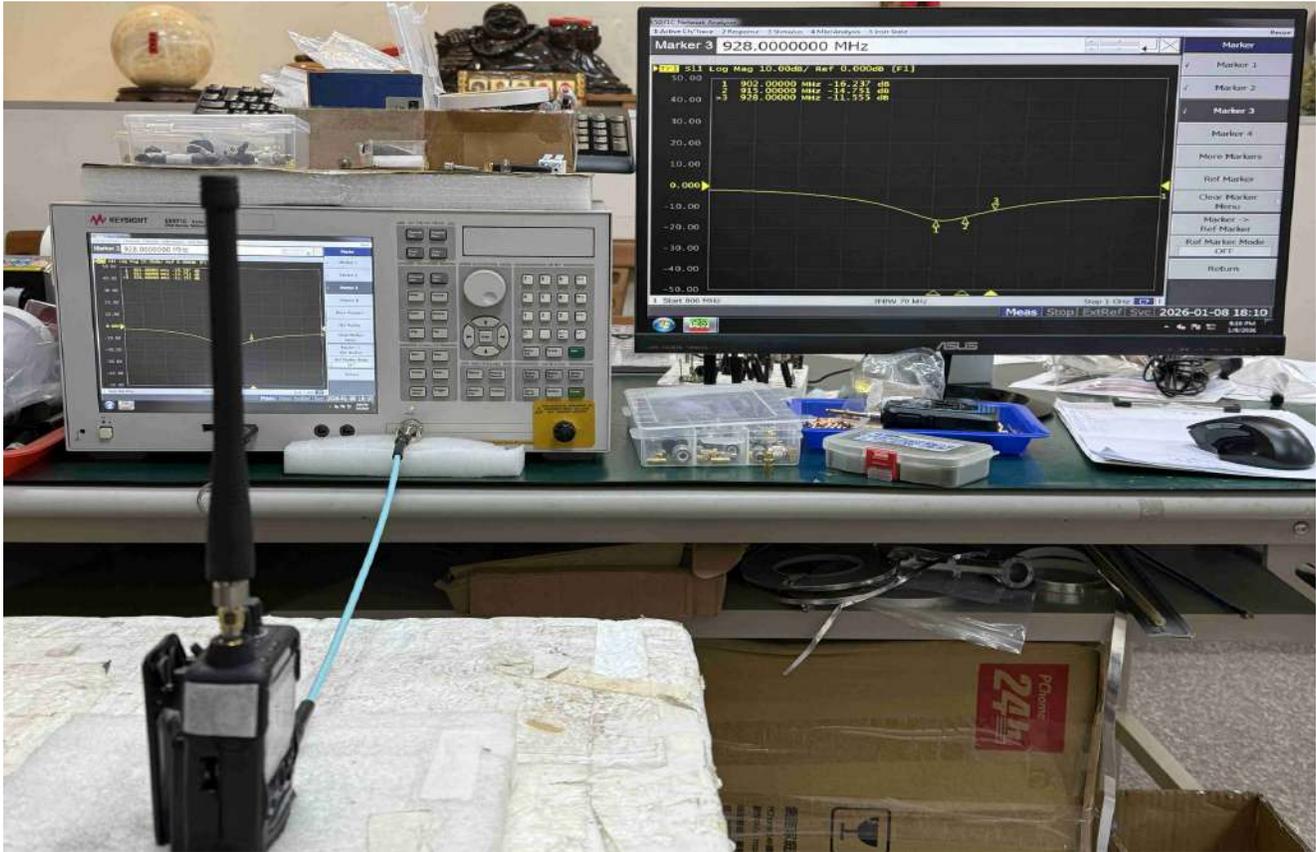
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Female)
Antenna Dimensions	OD16 x164mm±3
Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C
Waterproof	IPX6

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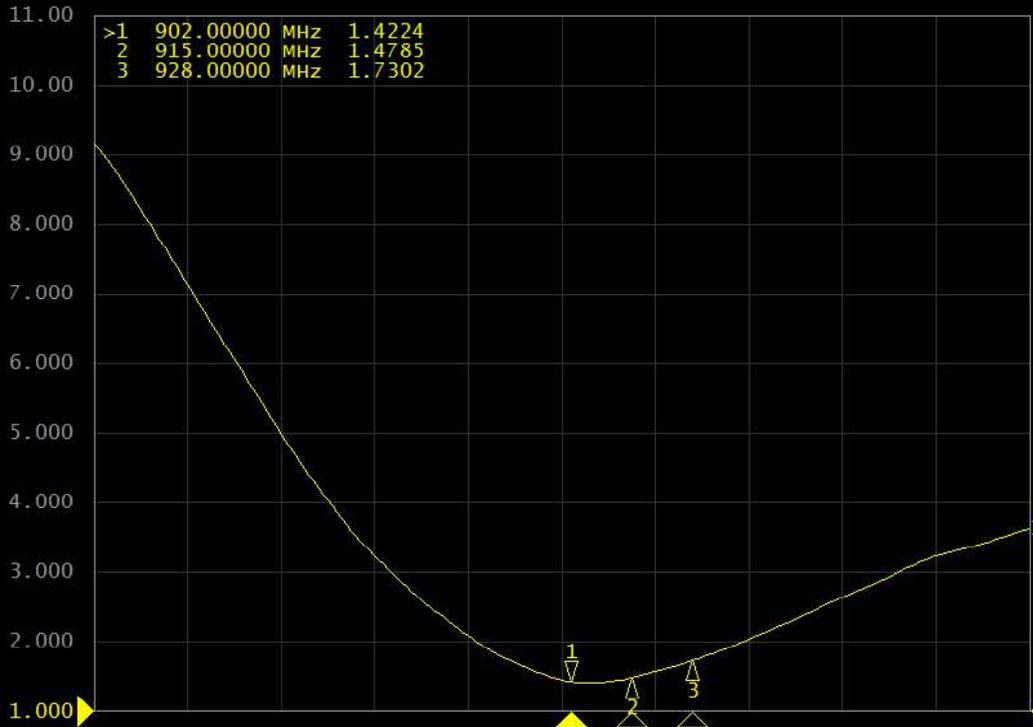
2. Appearance



3. FREQUENCY



▶ Tr1 S11 SWR 1.000/ Ref 1.000 [F1]



Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

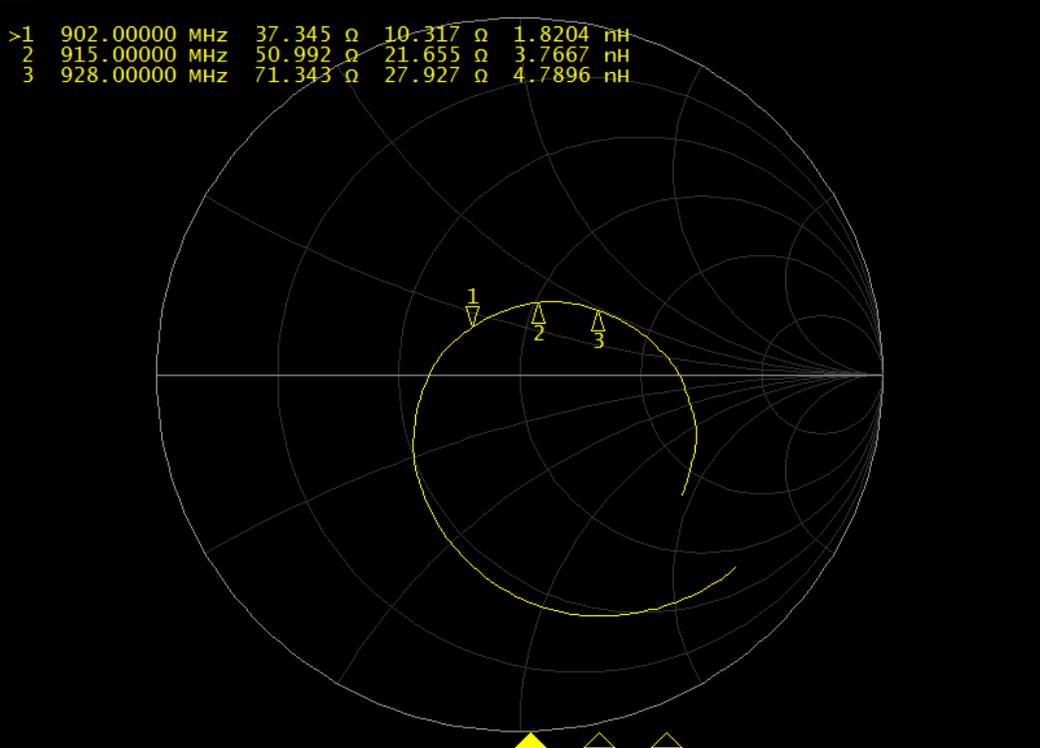
Imaginary

Expand Phase

1 Start 800 MHz IFBW 70 kHz Stop 1 GHz C? !

Meas Stop ExtRef Svc 2026-01-08 18:11

▶ Tr1 S11 Smith (R+jX) Scale 1.000U [F1]



Format

Smith (R+jX)

Log Mag

Phase

Group Delay

Smith

R + jX

Polar

Lin Mag

SWR

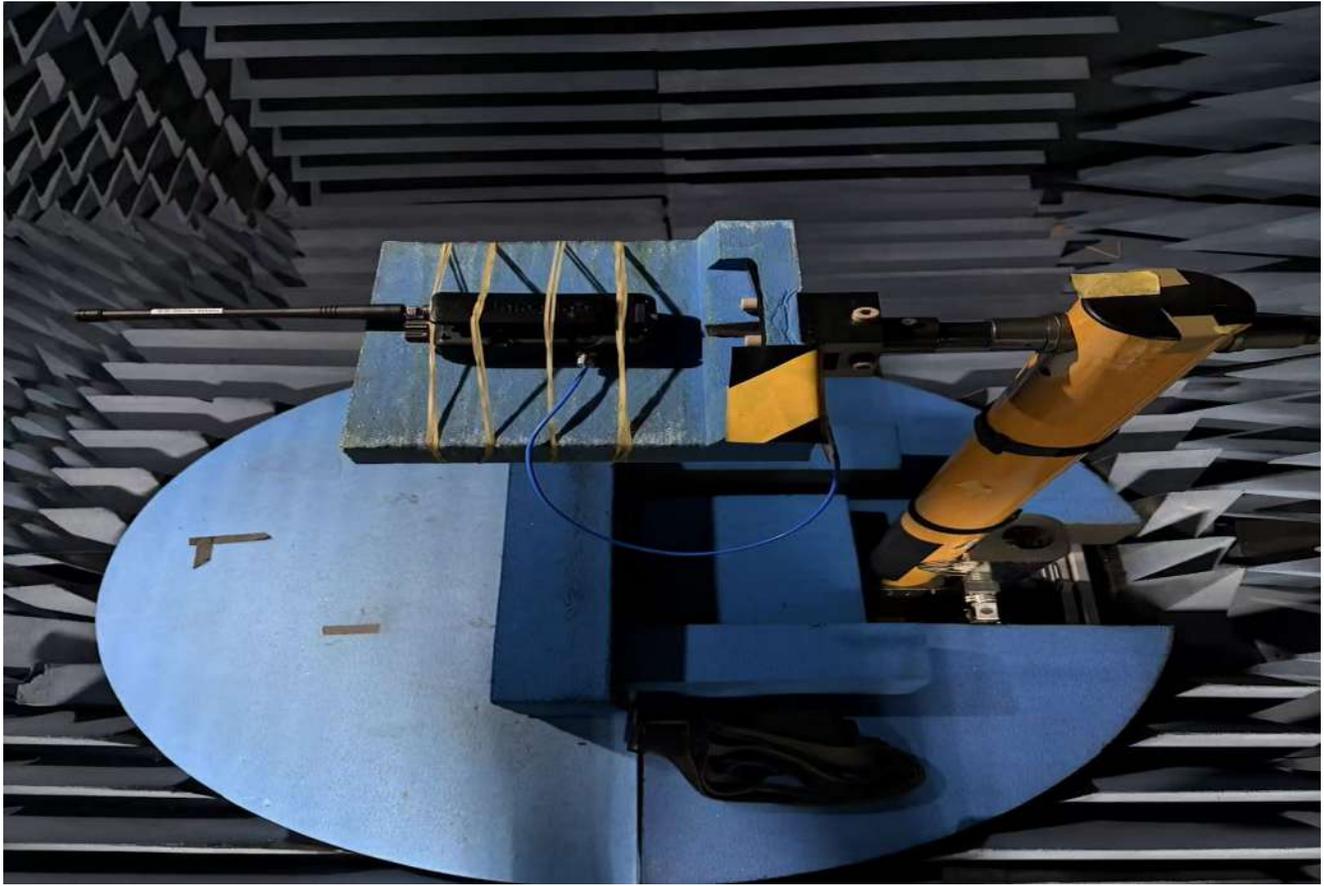
Real

Imaginary

Expand Phase

1 Start 800 MHz IFBW 70 kHz Stop 1 GHz C? !

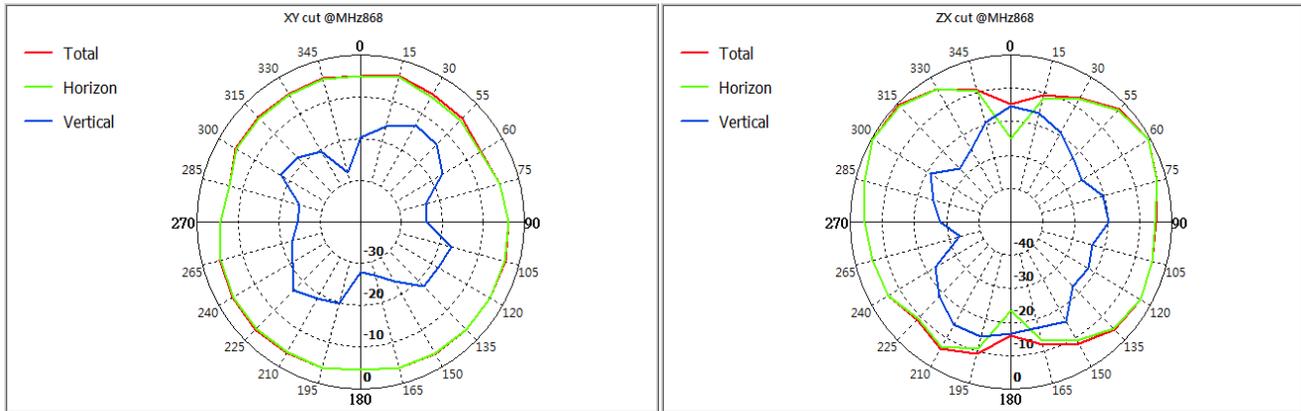
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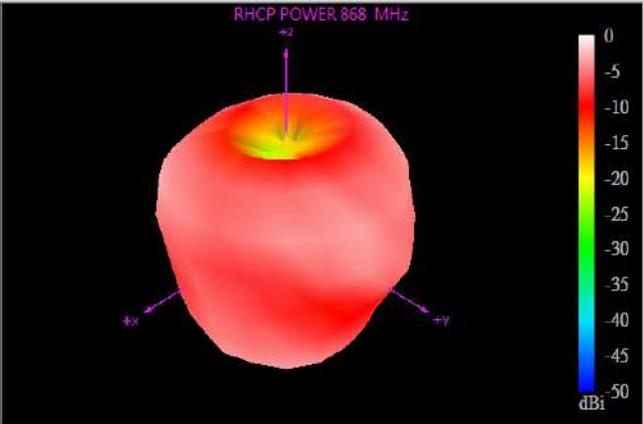
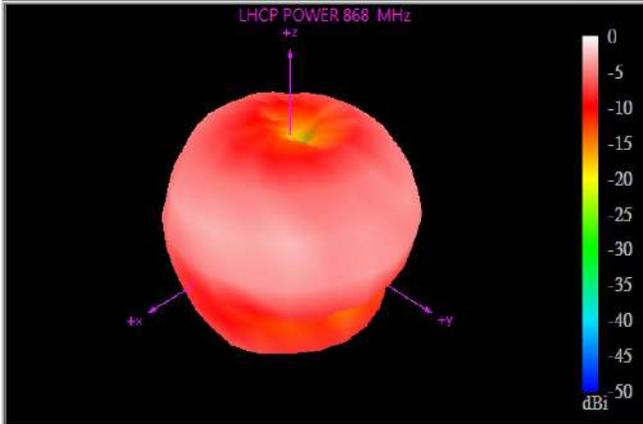
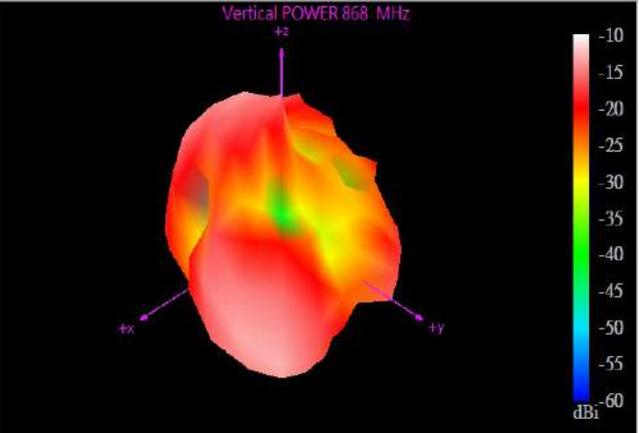
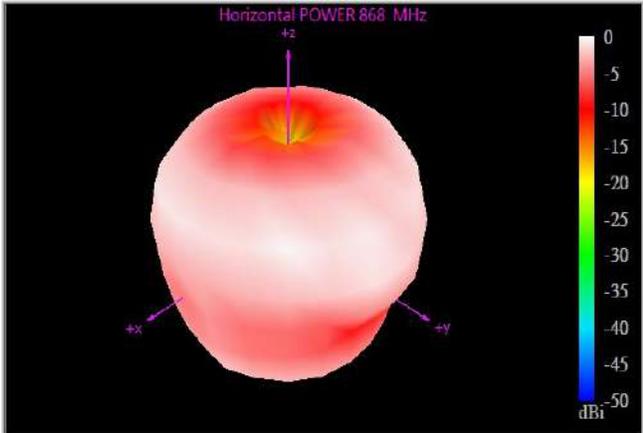
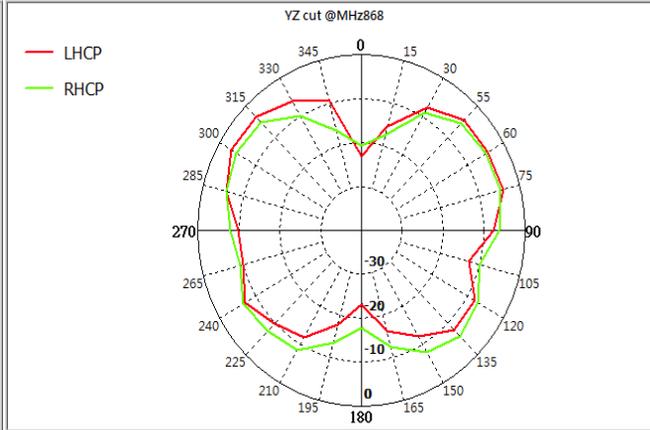
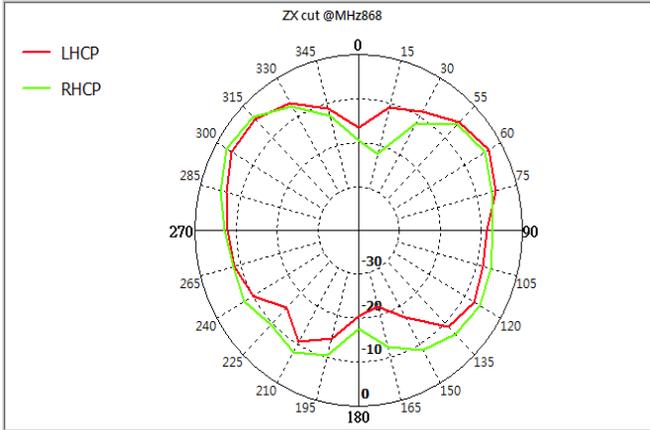
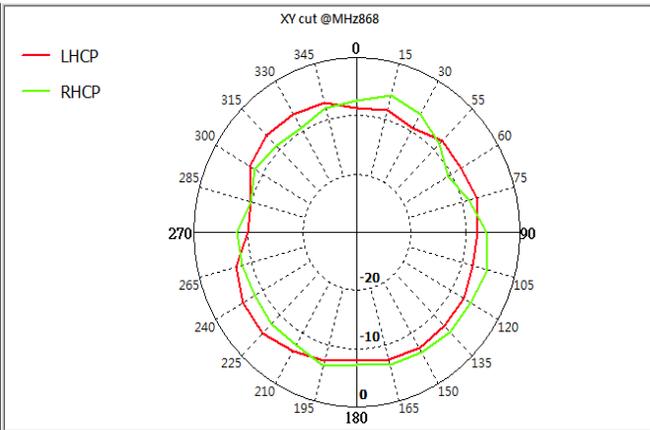
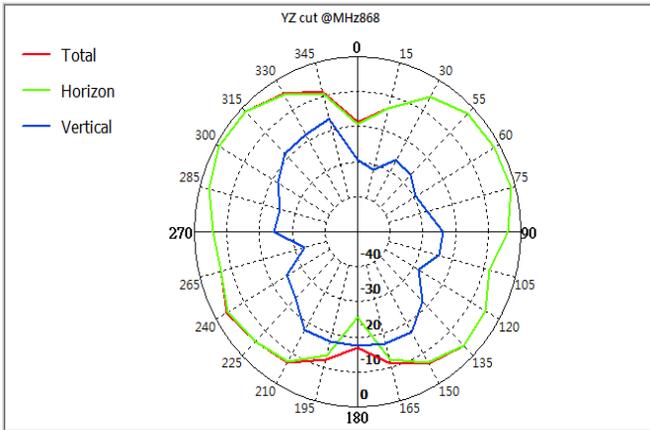


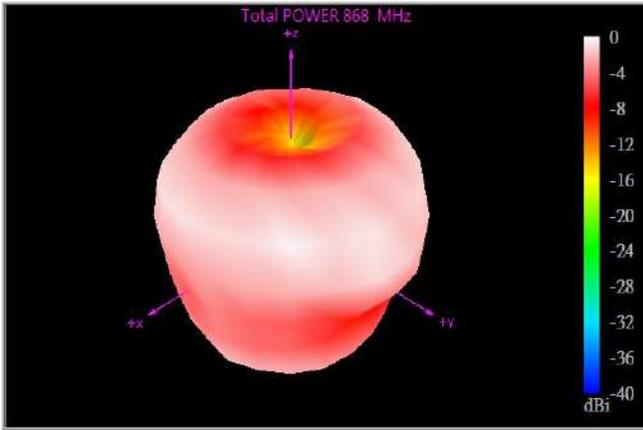
3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
860 MHz	-6.38	-9.54	-4.67	34.11	-0.05	-4.67
868 MHz	-5.97	-8.66	-4.10	38.88	-0.13	-4.10
874 MHz	-5.83	-8.21	-3.85	41.24	0.05	-3.85
902 MHz	-4.03	-5.28	-1.60	69.16	1.56	-1.60
915 MHz	-4.37	-5.20	-1.76	66.71	1.28	-1.76
928 MHz	-4.63	-5.07	-1.83	65.60	1.23	-1.83
930 MHz	-4.83	-5.21	-2.01	63.01	1.06	-2.01
960 MHz	-6.21	-5.82	-3.00	50.07	0.52	-3.00

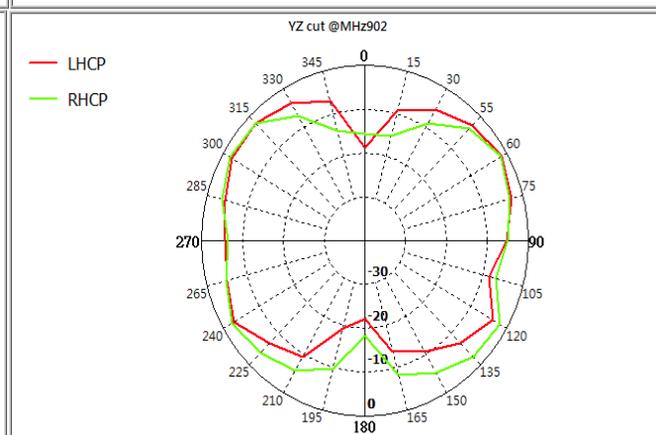
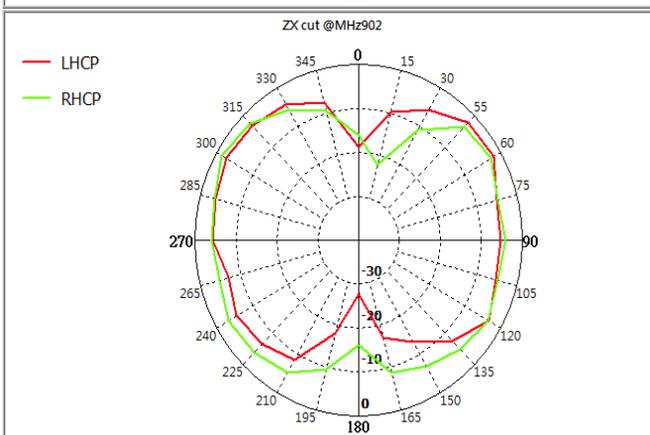
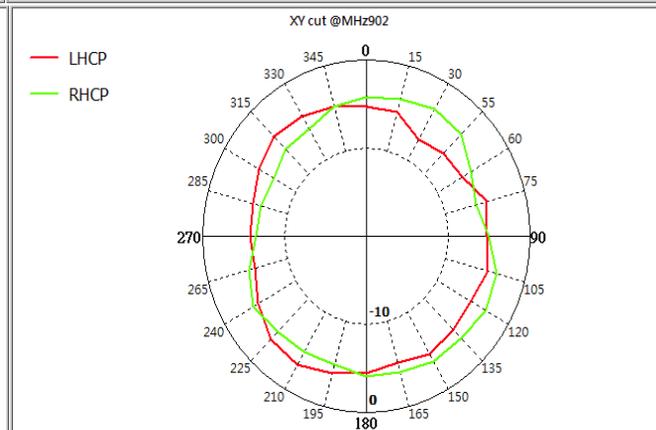
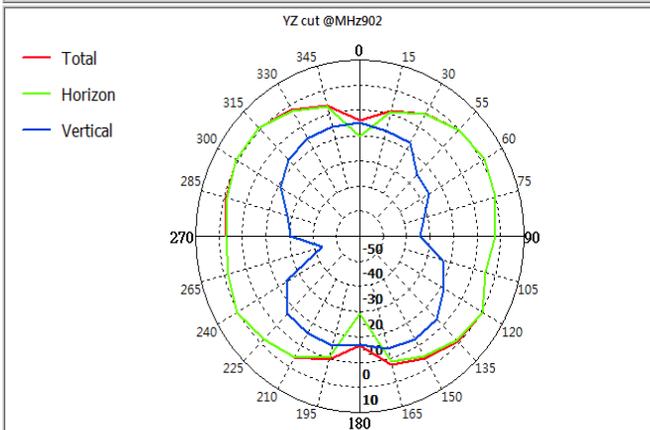
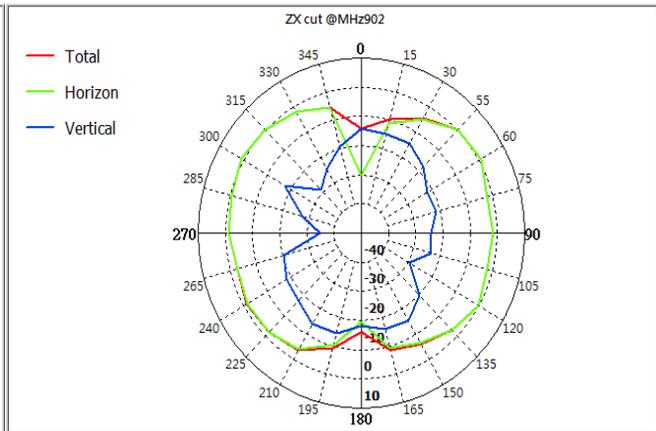
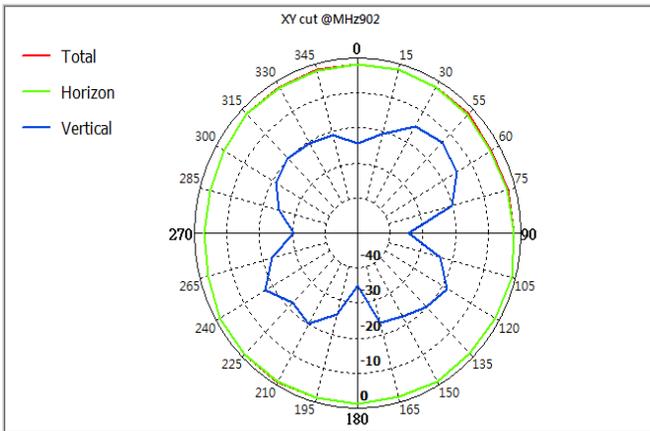
868Mhz:

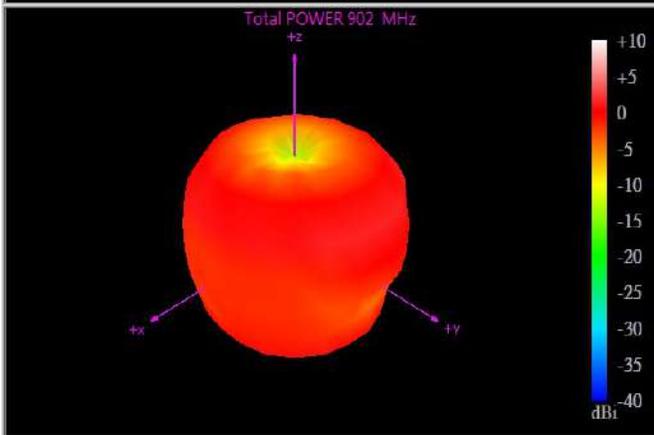
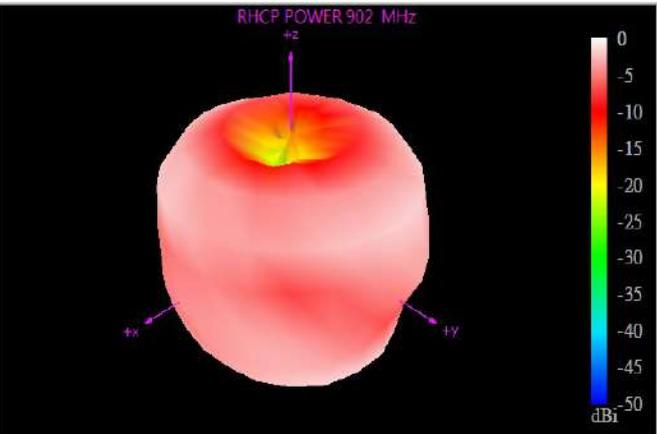
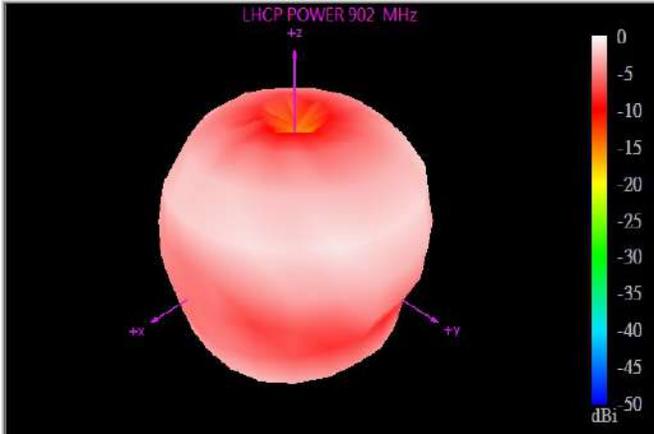
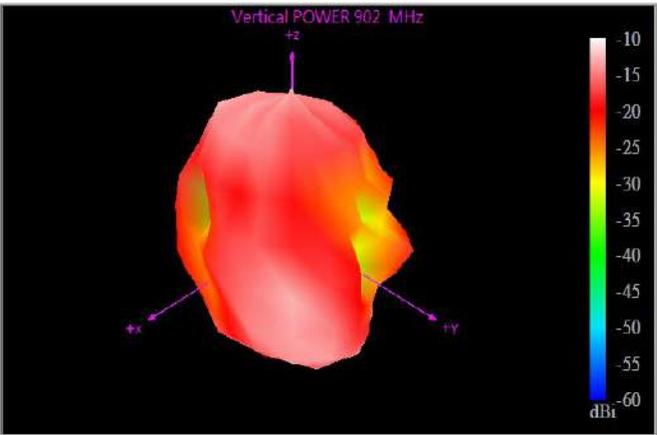
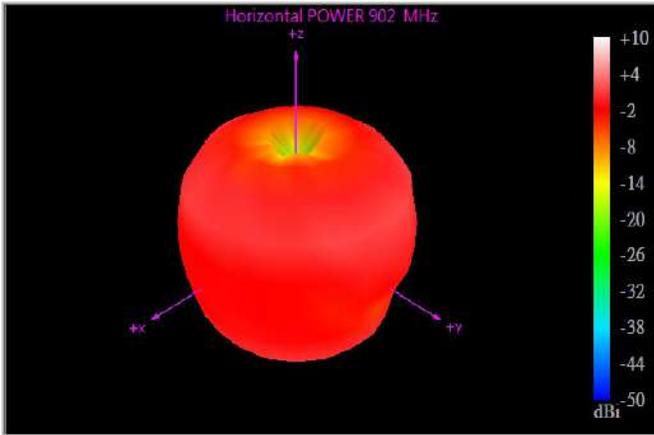




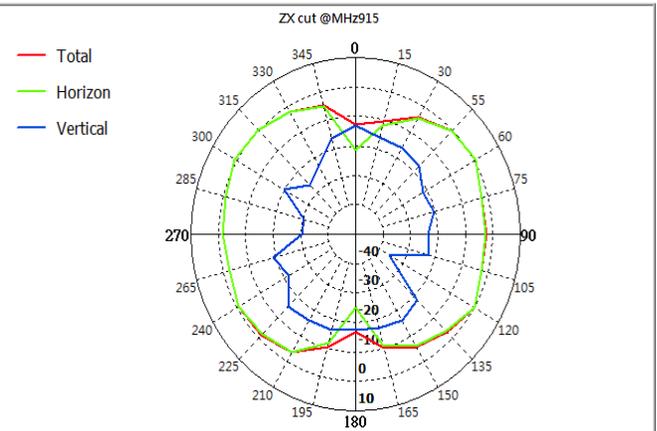
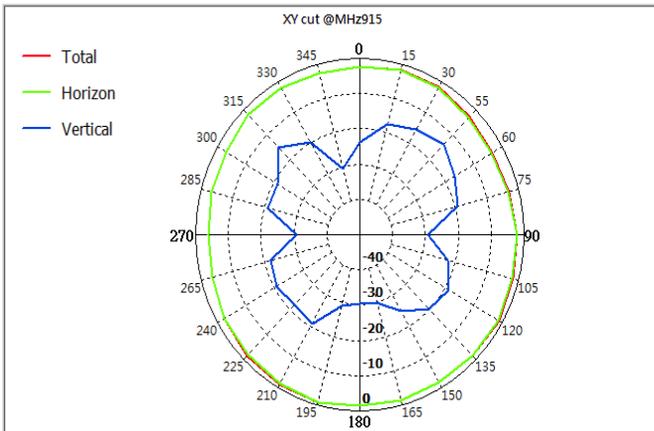


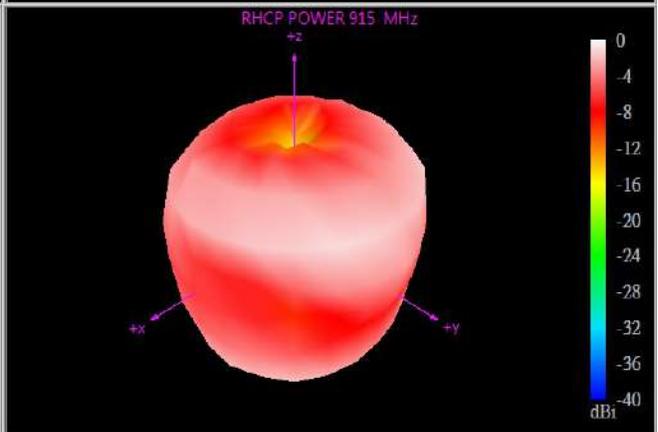
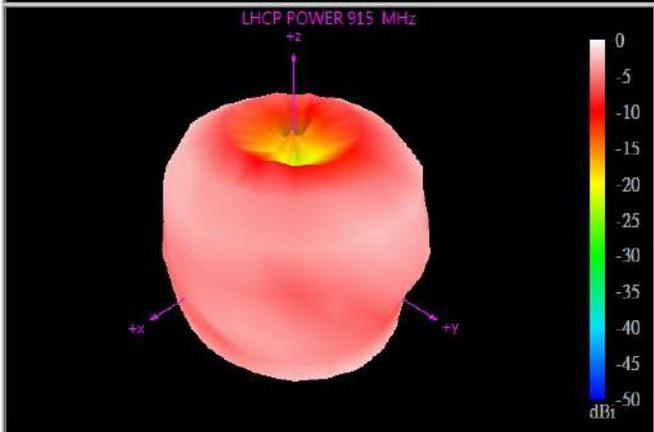
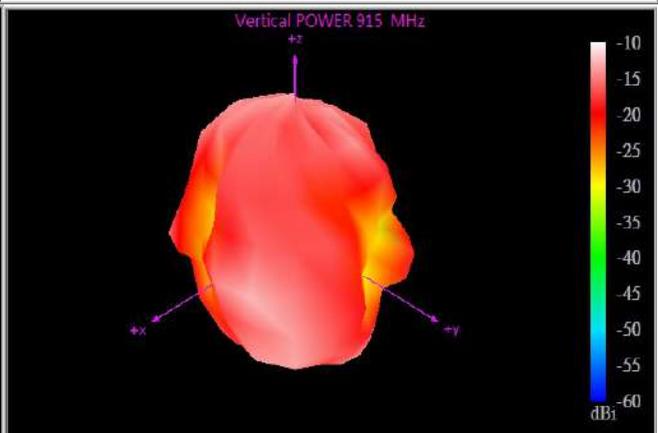
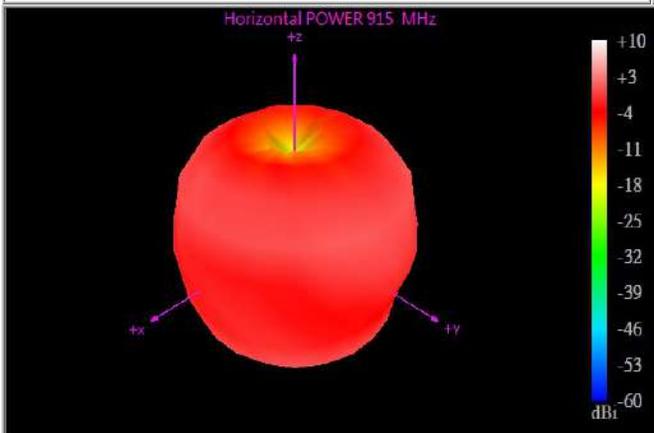
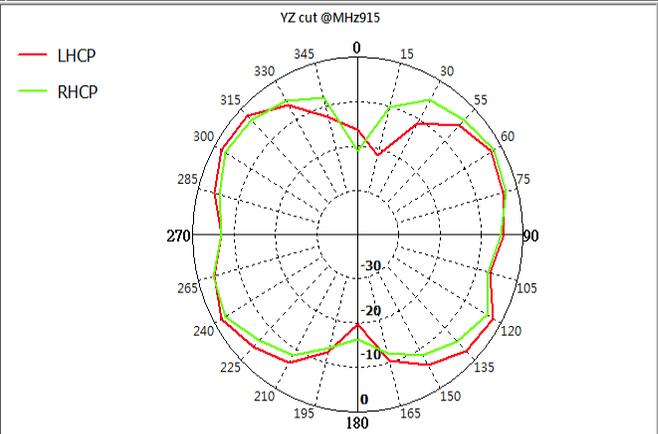
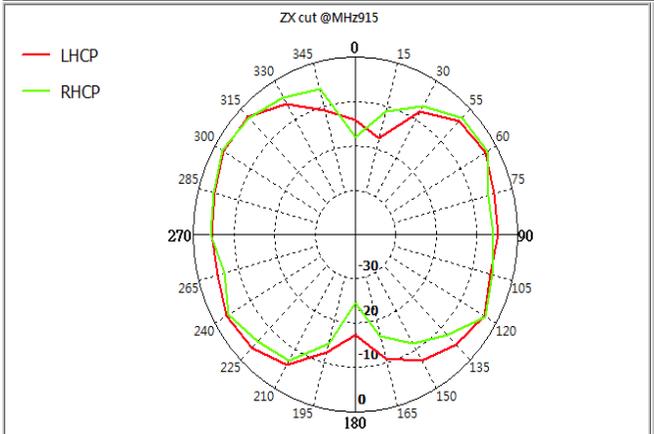
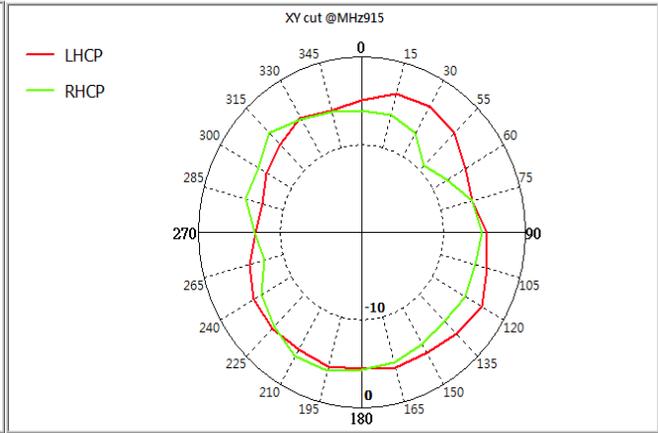
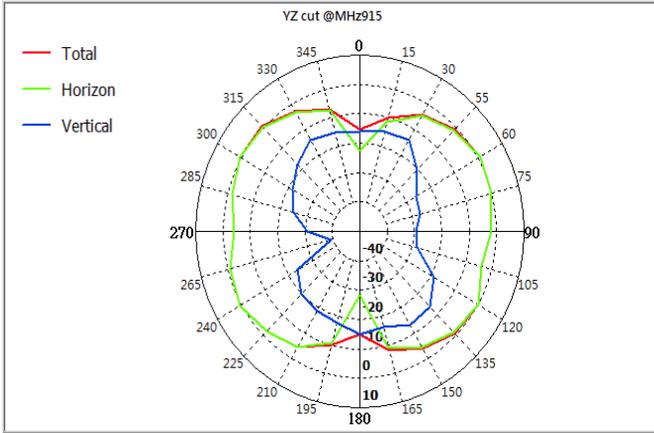
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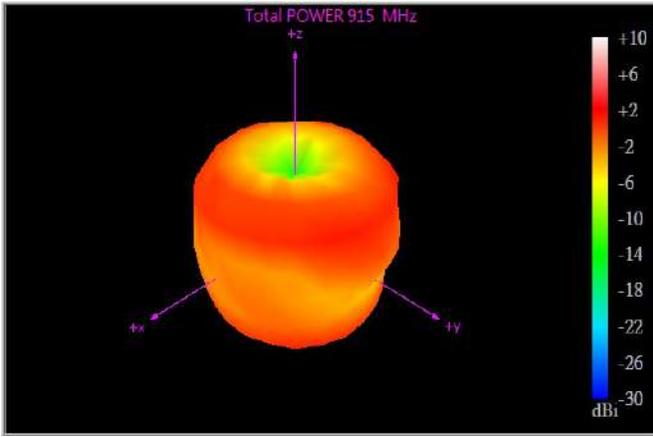




915Mhz:







928Mhz:

