

UHF ANTENNA

Model : TH900S

FOR RFID UHF & ISM & ZigBee



1. GENERAL DESCRIPTION

P/N
TH900S-SMA(F)

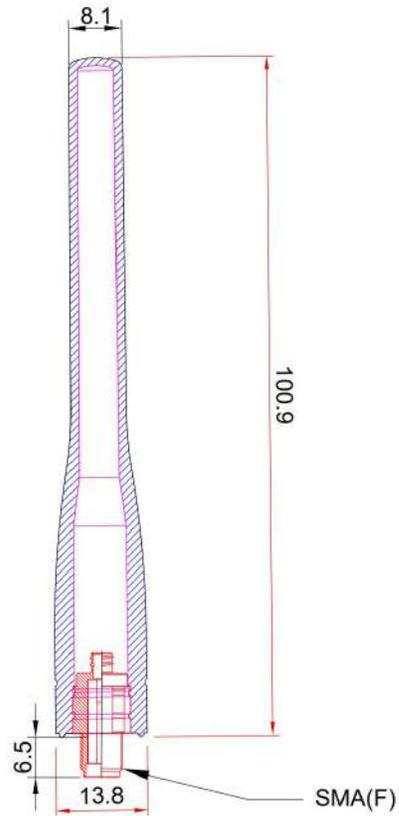
1.1 Electric Properties

Parameter	Description
Frequency Band	868/902~928MHz (ON Customer Radio)
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1

1.2 Mechanical Properties

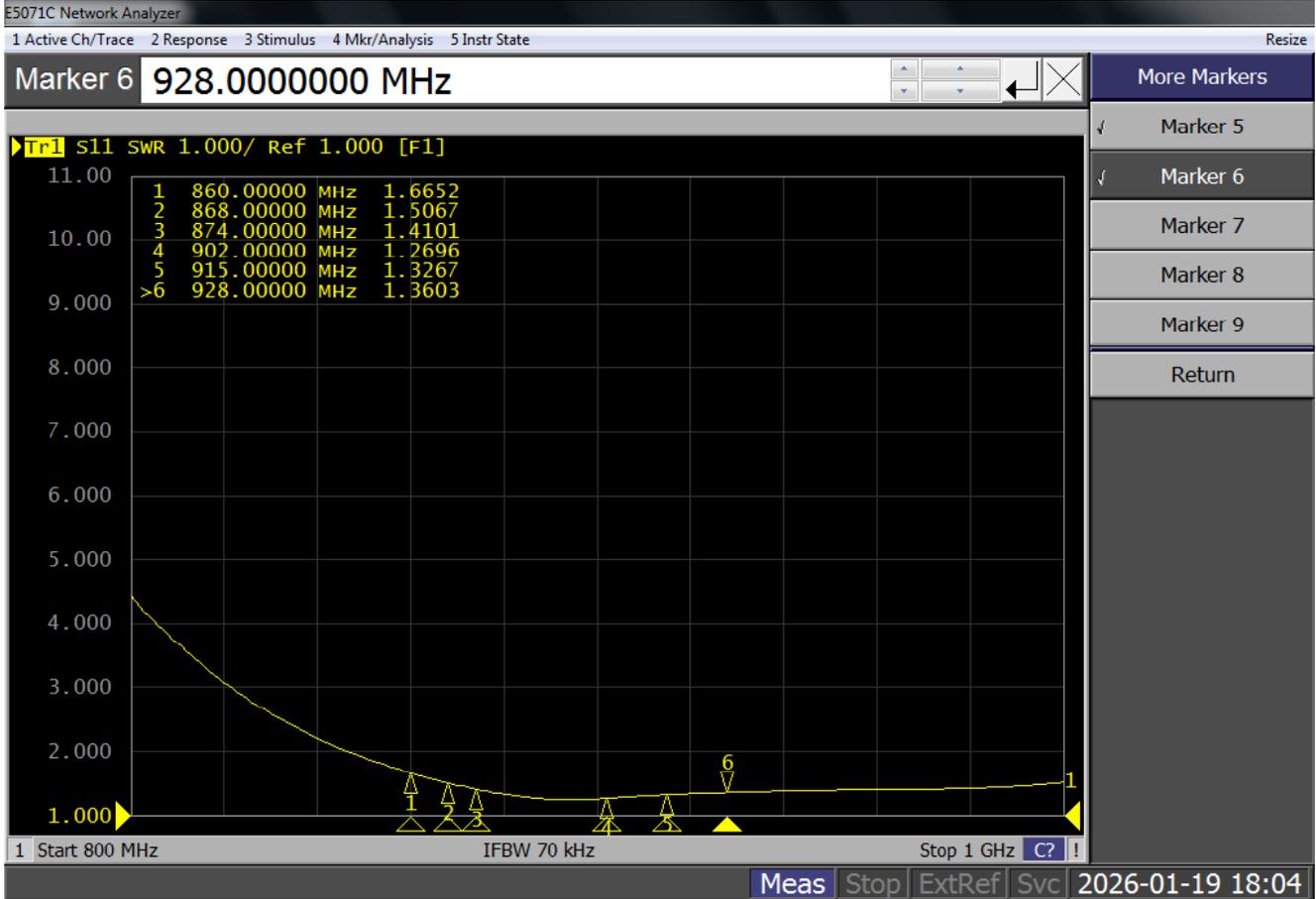
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	OD13.8 x107.4mm±2
Antenna tube & Color	TPU - Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7

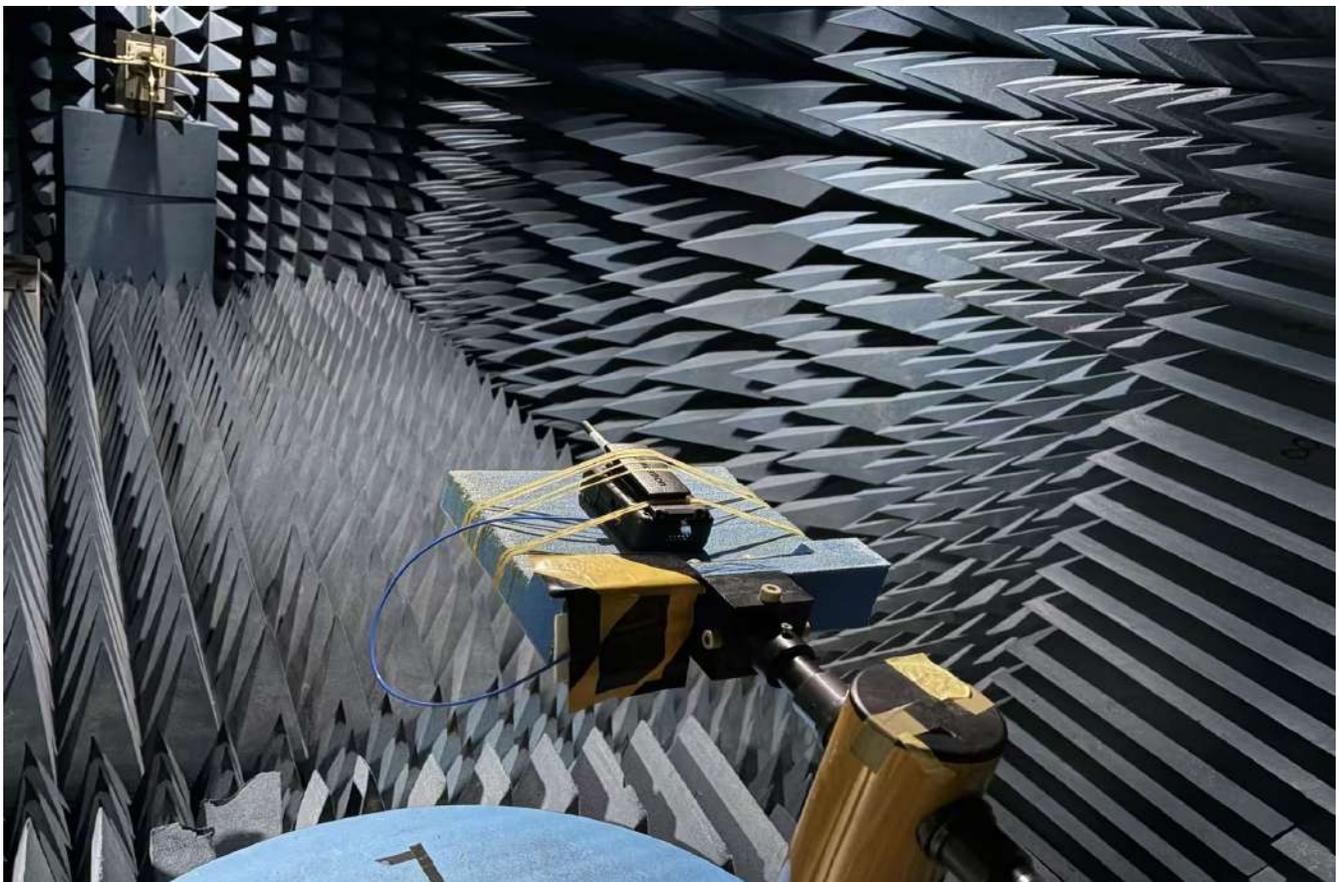
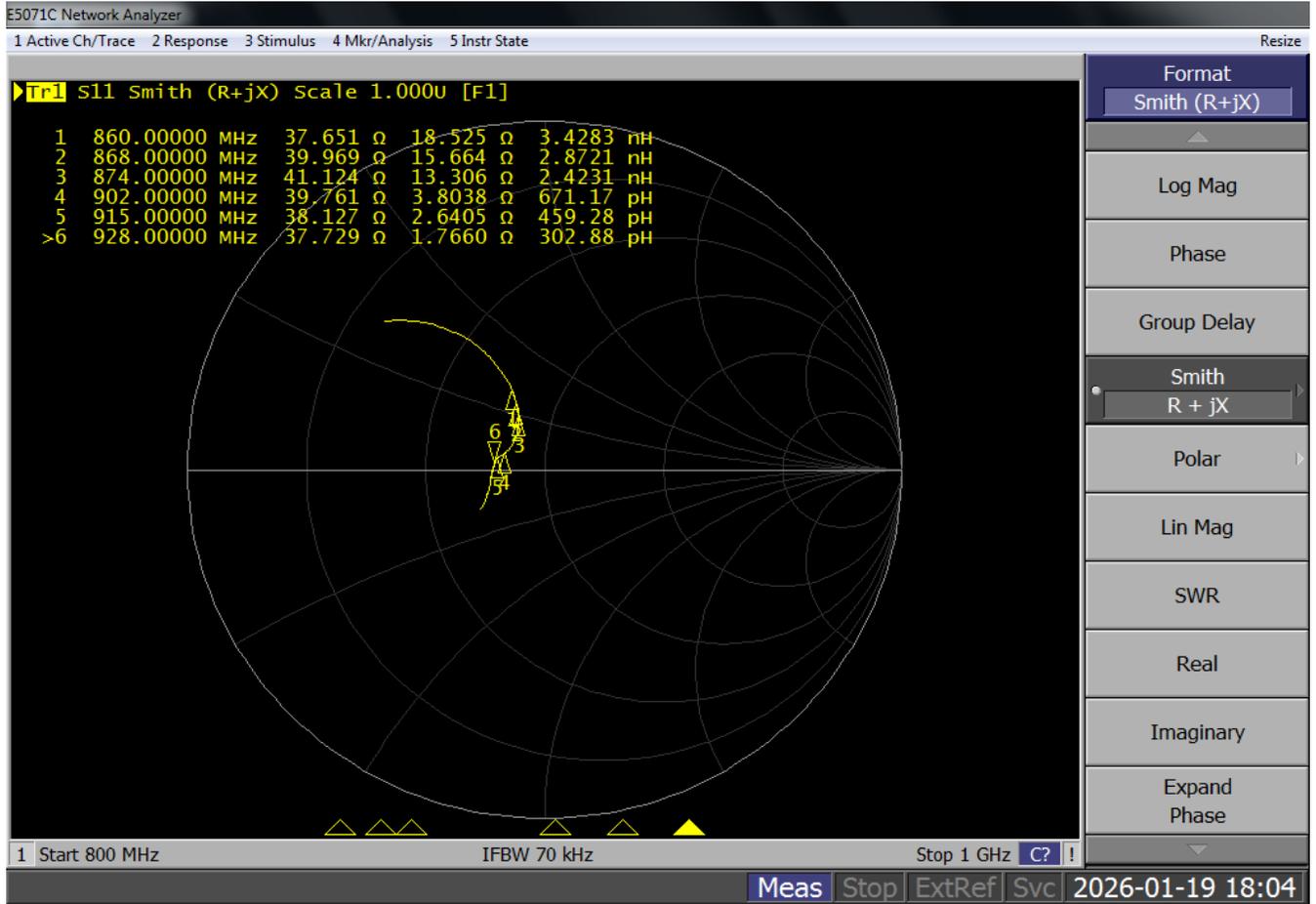
2. Appearance



3. FREQUENCY



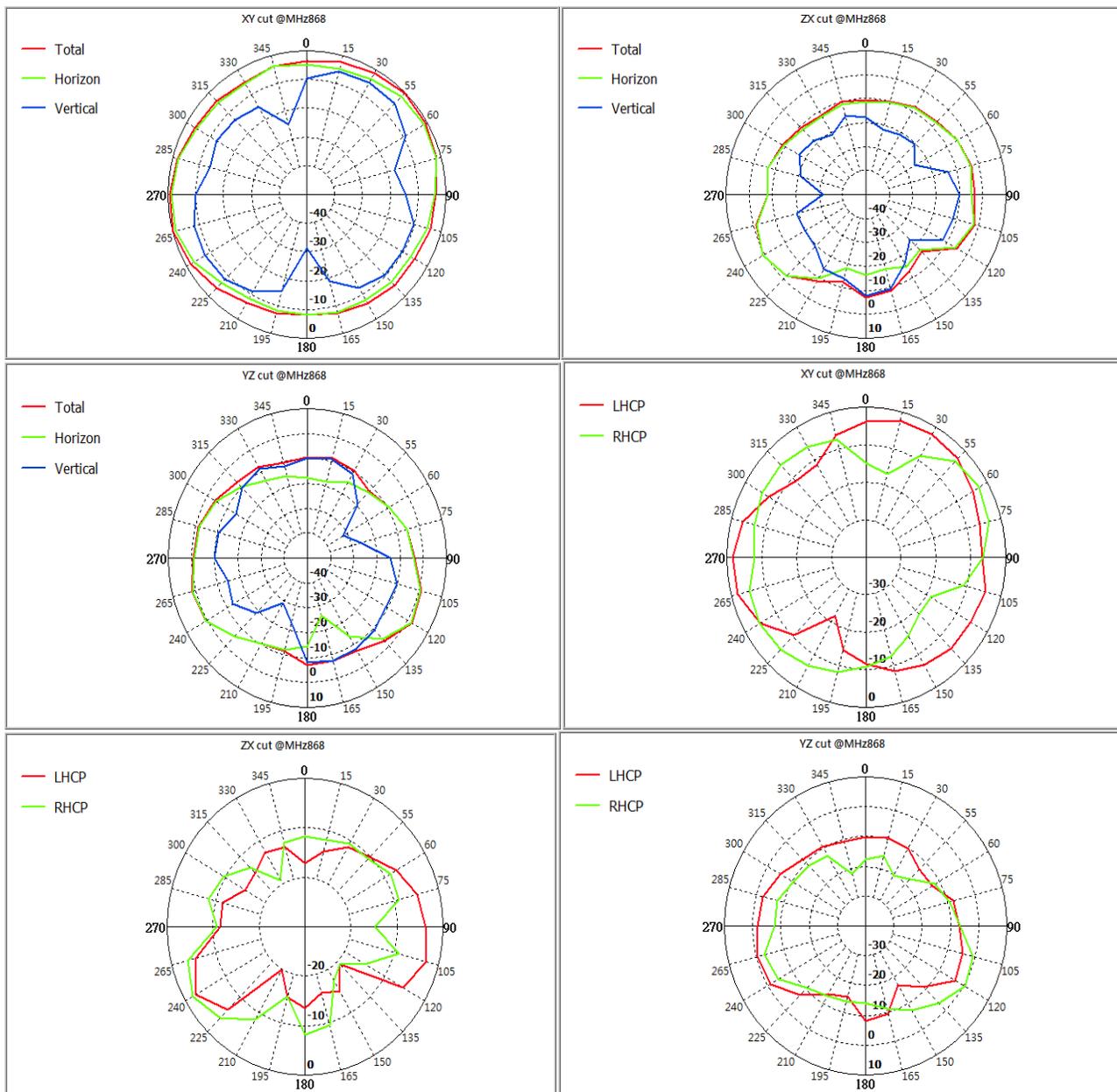


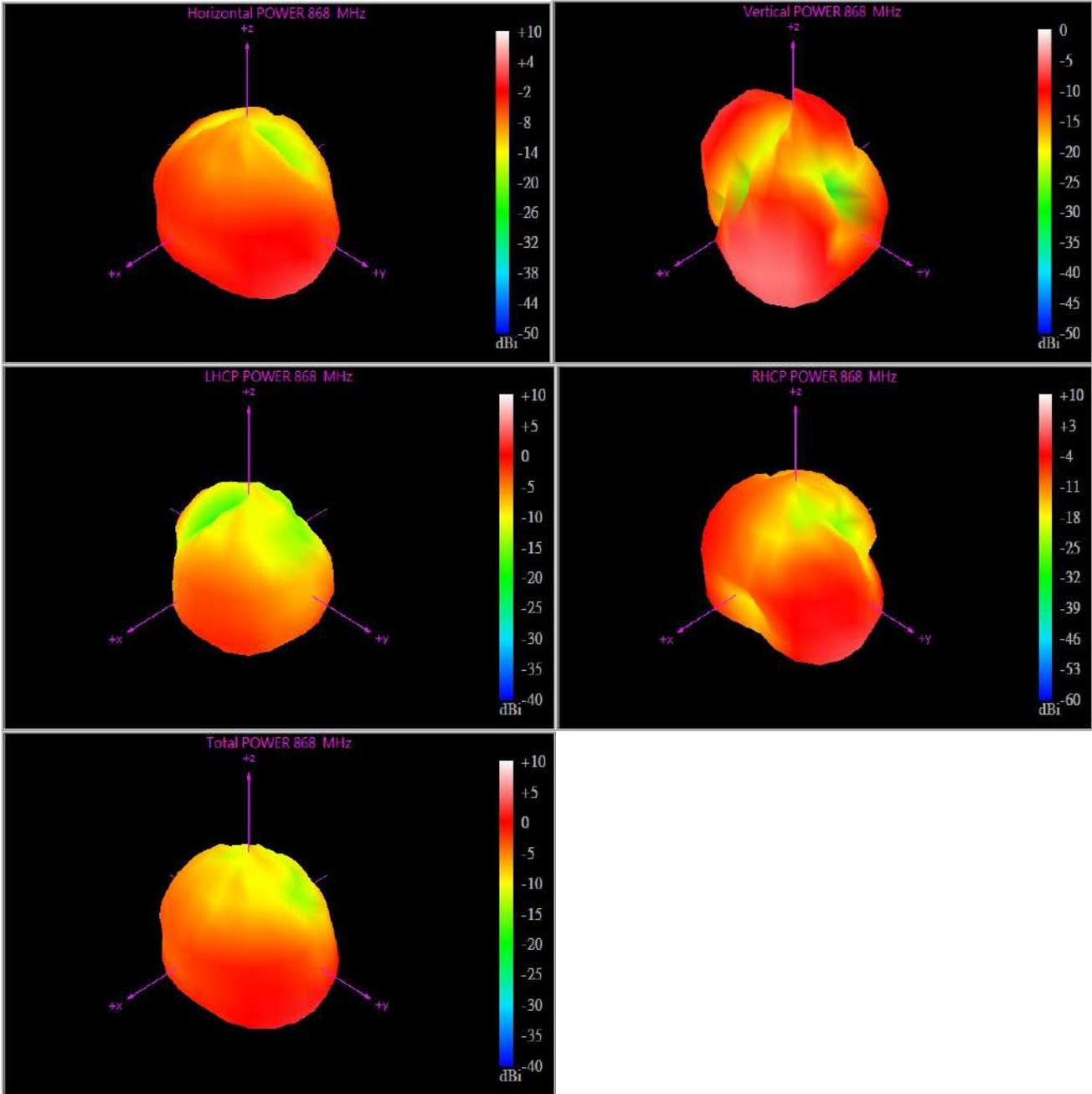


3D Total

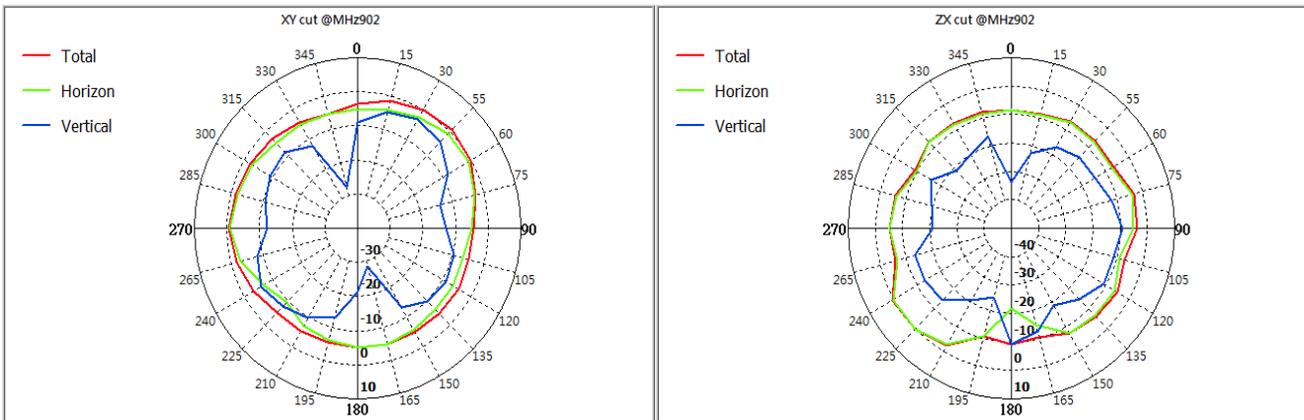
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
850 MHz	-8.35	-5.30	-3.55	44.17	2.24	-3.55
860 MHz	-8.48	-4.82	-3.27	47.14	2.50	-3.27
868 MHz	-9.00	-5.06	-3.59	43.79	2.09	-3.59
874 MHz	-9.35	-5.34	-3.89	40.83	1.87	-3.89
902 MHz	-9.25	-4.82	-3.48	44.86	2.49	-3.48
915 MHz	-10.18	-5.12	-3.94	40.35	1.91	-3.94
928 MHz	-10.29	-5.01	-3.88	40.91	1.58	-3.88
930 MHz	-10.44	-5.10	-3.99	39.93	1.69	-3.99
960 MHz	-11.26	-5.74	-4.66	34.16	0.63	-4.66

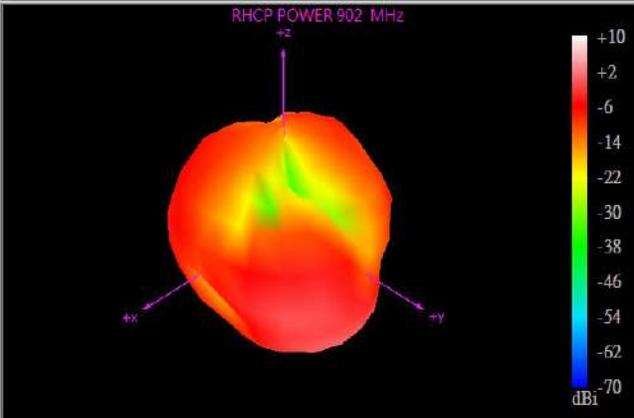
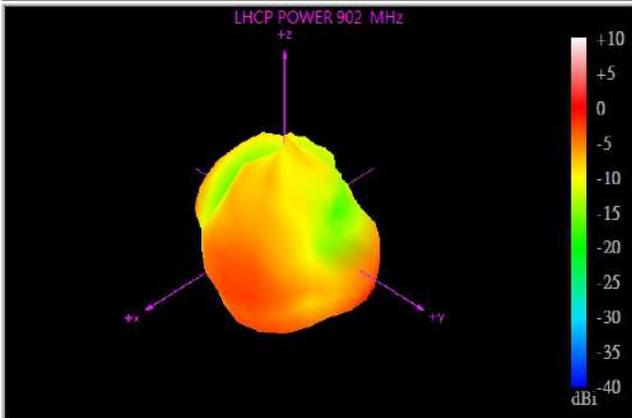
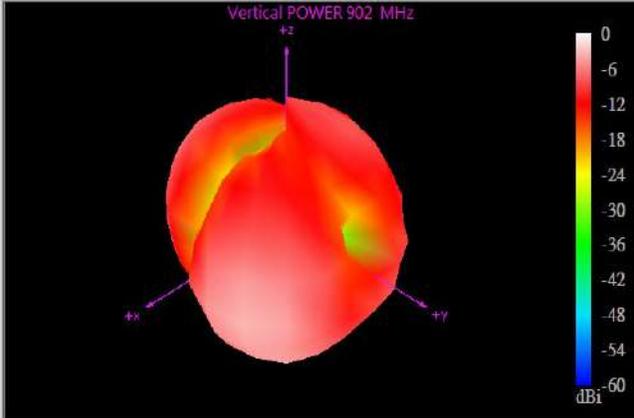
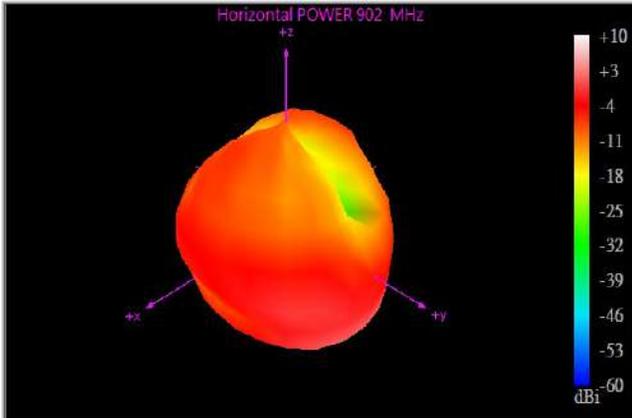
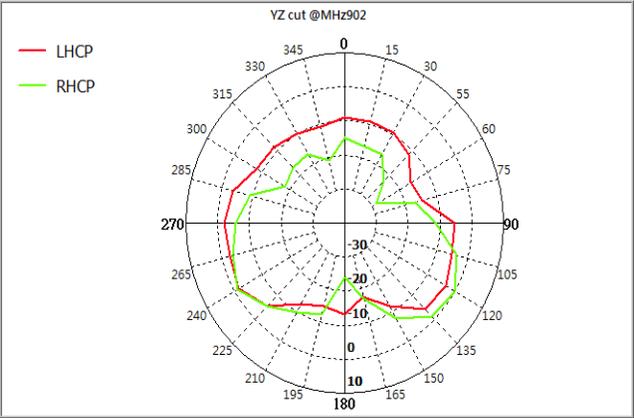
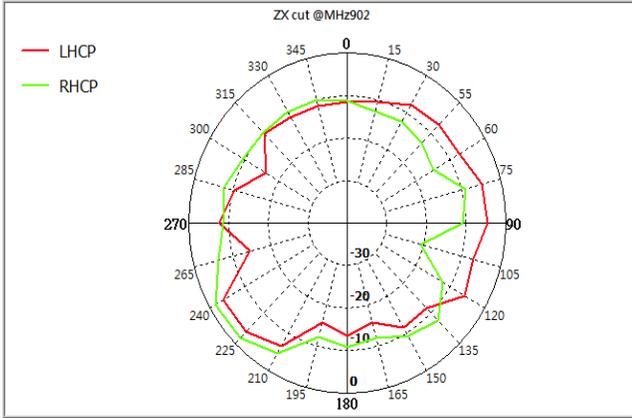
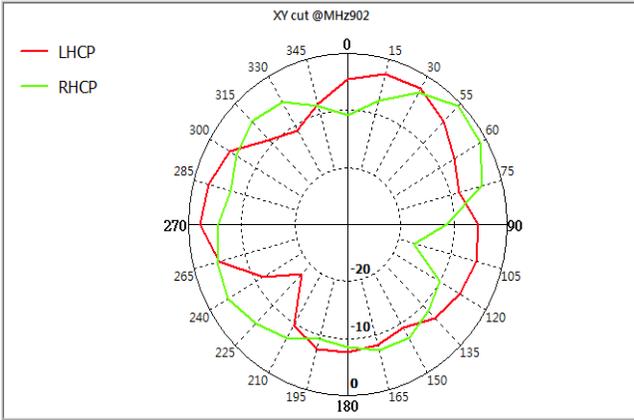
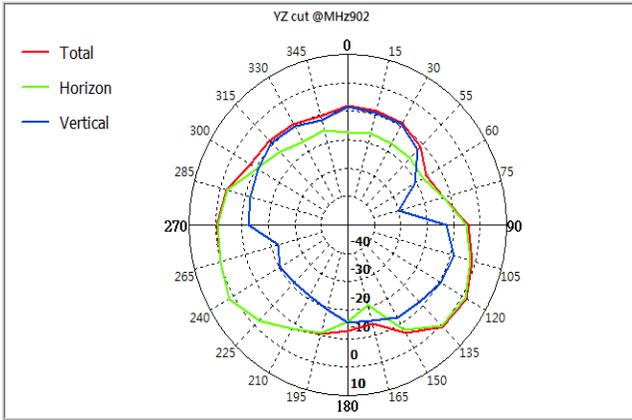
868Mhz:

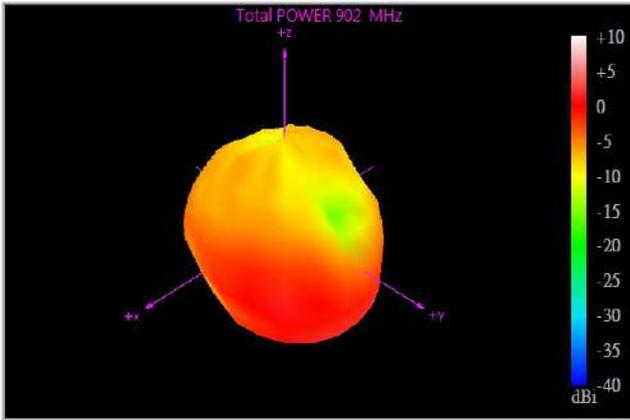




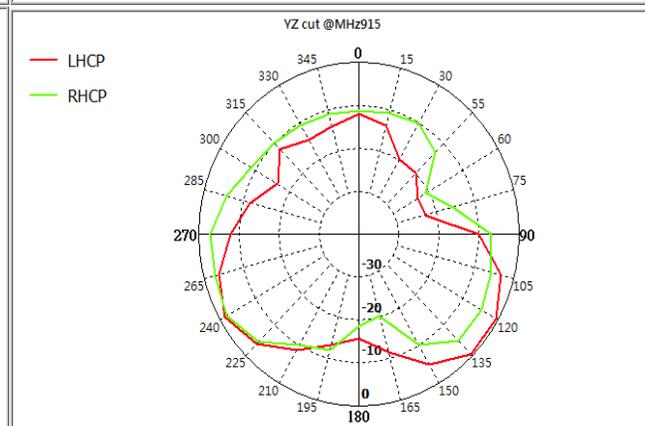
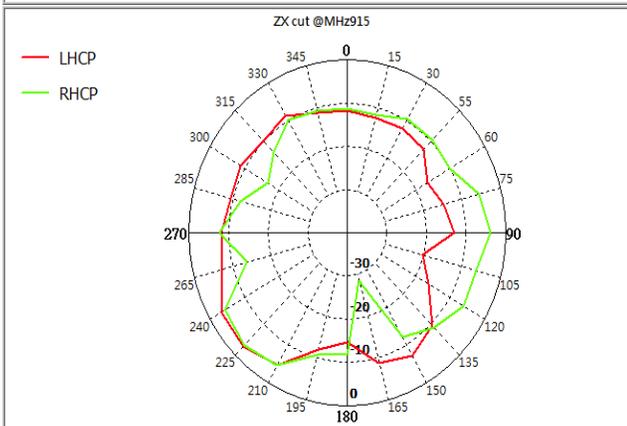
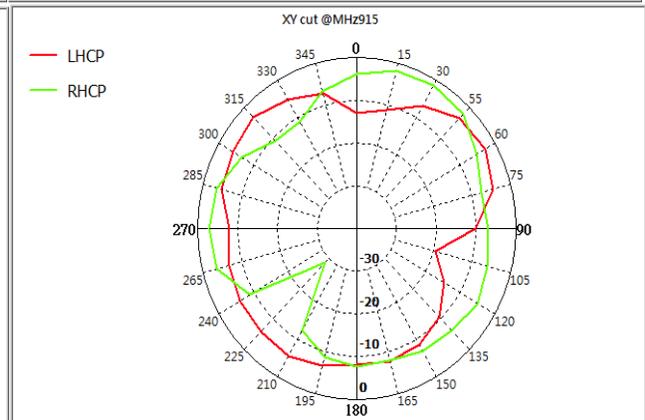
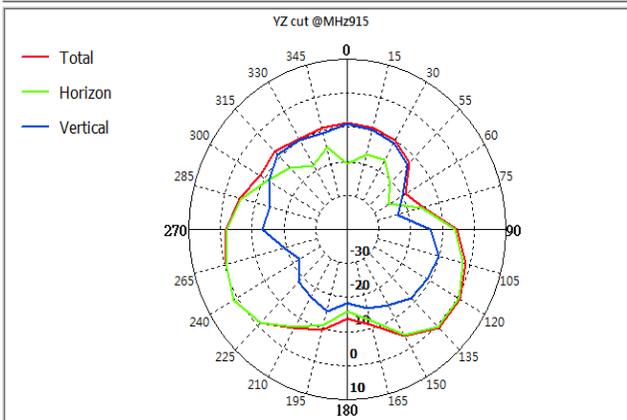
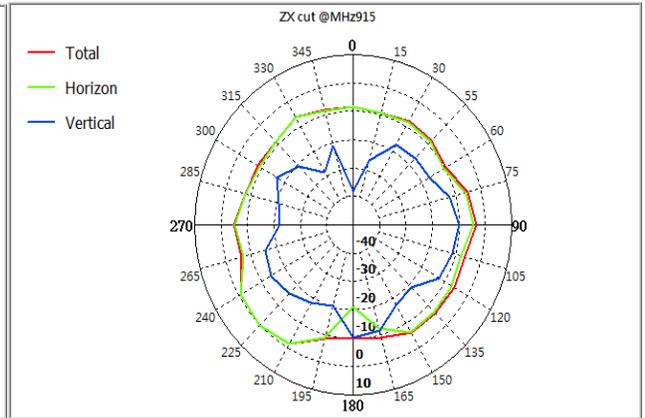
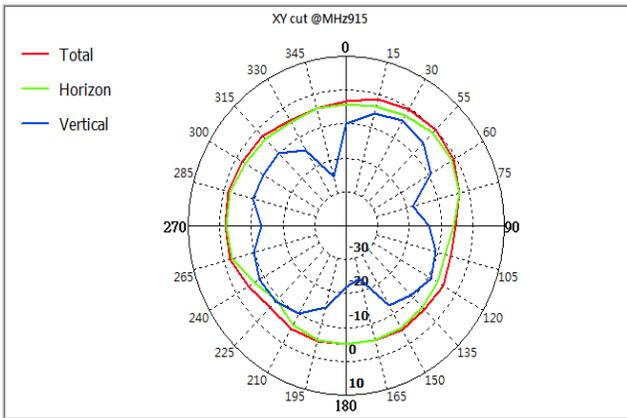
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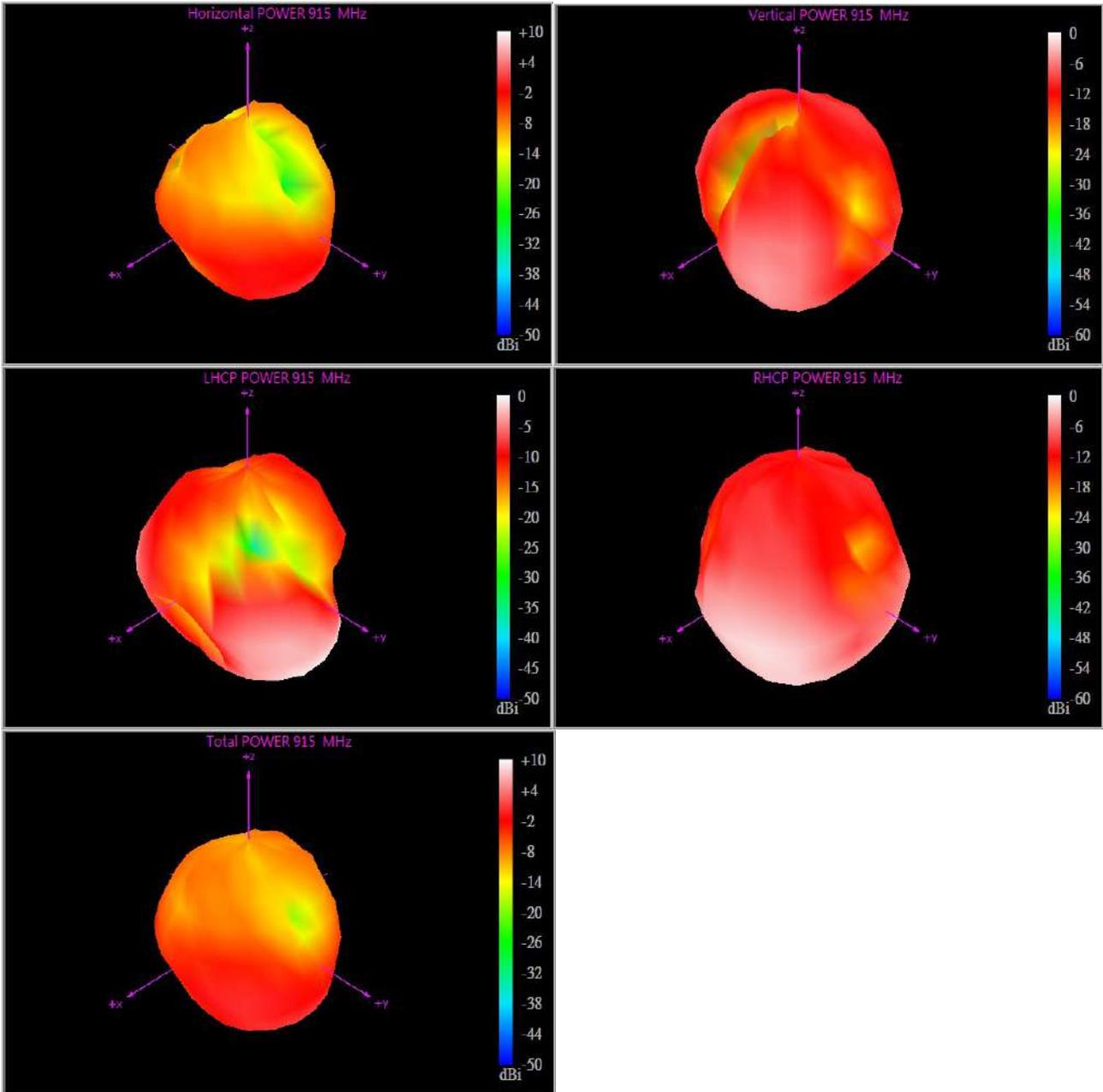






915MHz:





928Mhz:

