

900 & S Band Antenna

MODEL: TH-9021



1. GENERAL DESCRIPTION

Model No
TH9021-SMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

Parameter	Description
Frequency Band	902~928 & 1700-2300MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Peak Gain	2-5db

1.2 Mechanical Properties



Parameter	Description
Antenna Type	External Antenna
Antenna Material	ASA-UV UL94-HB
Touch Type	Screw Type
Connector Type	SMA 180°(Male) OD10.0mm
Antenna Dimensions	OD9.3 x 128.5mm ±0.5
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C

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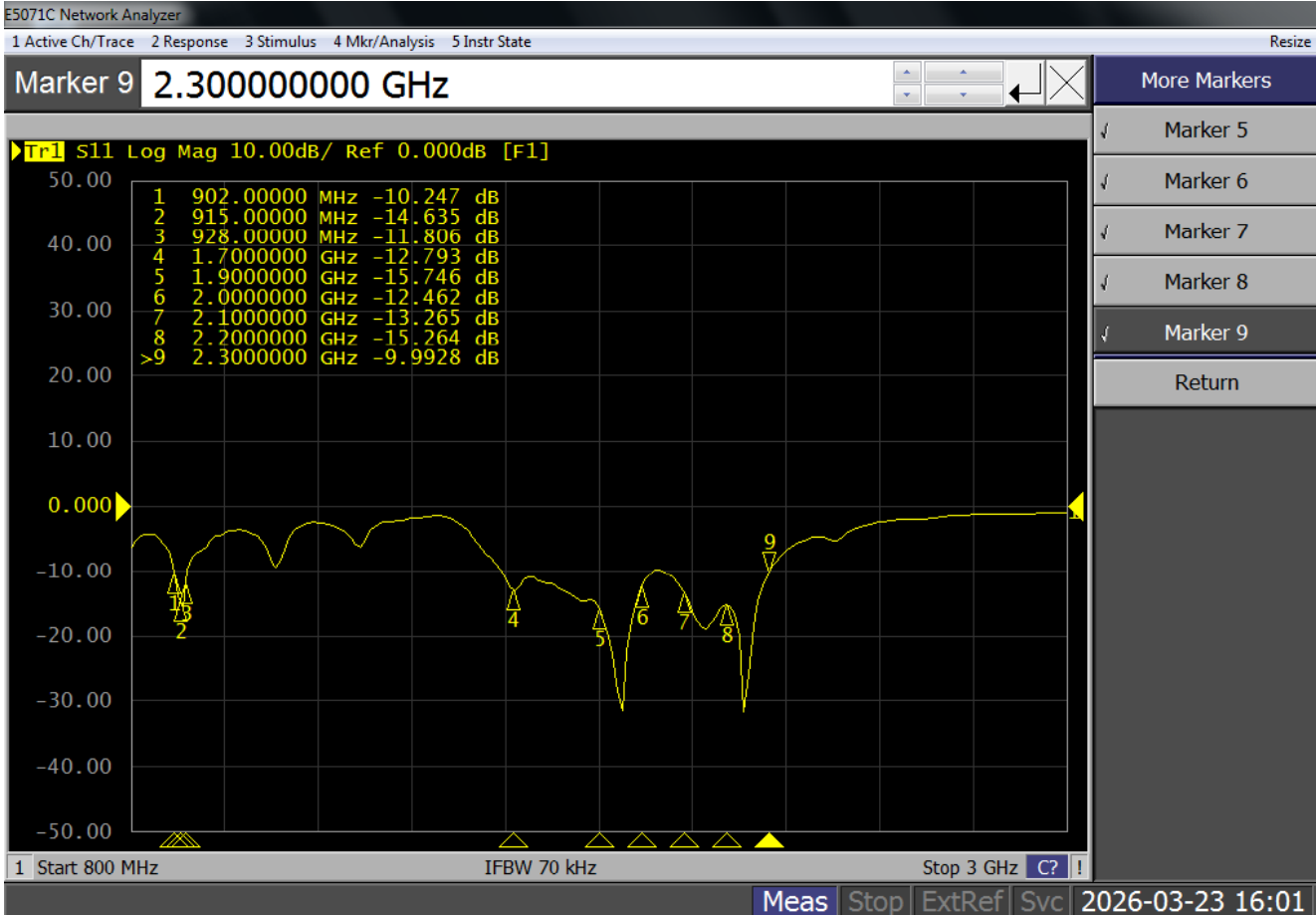
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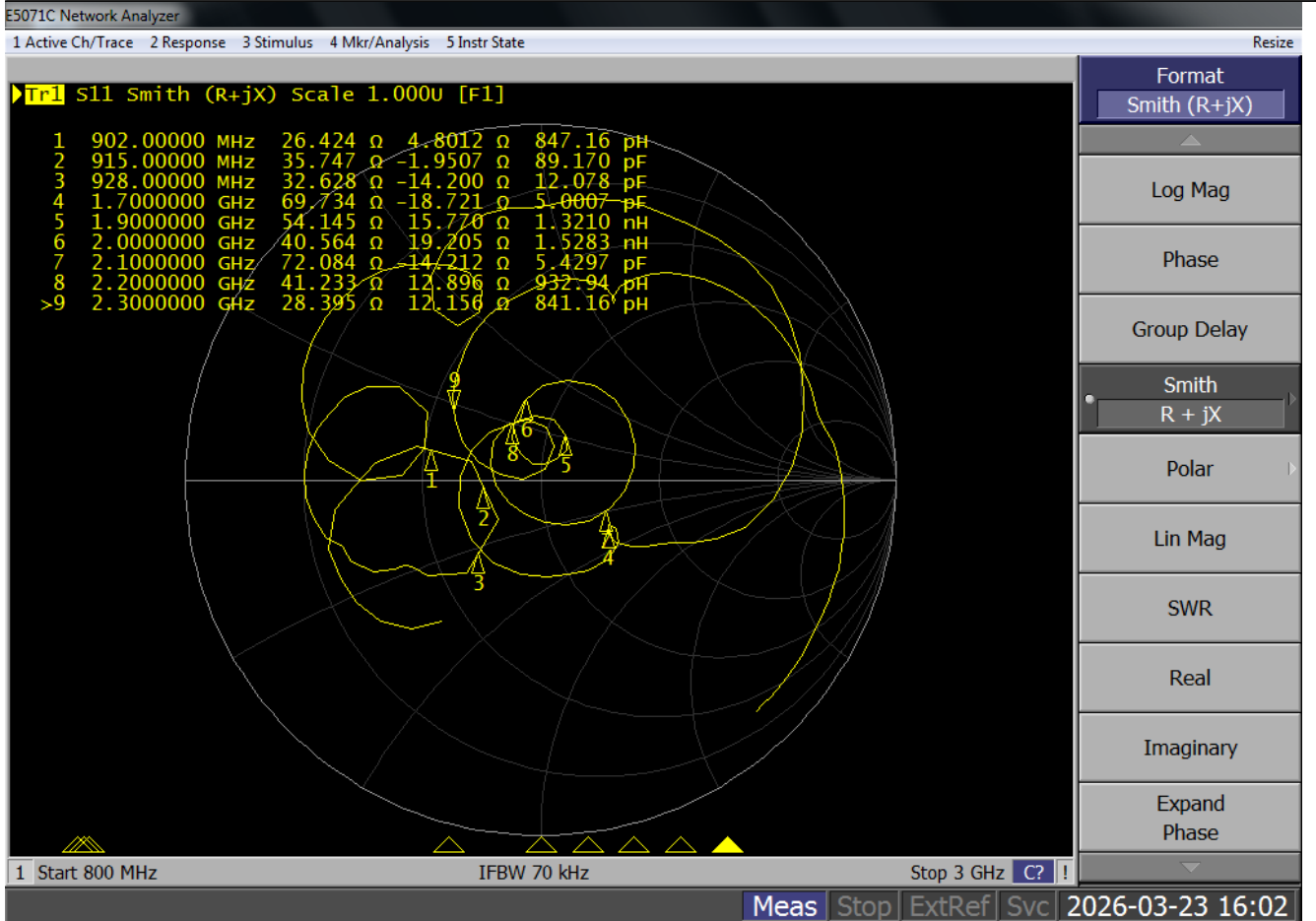
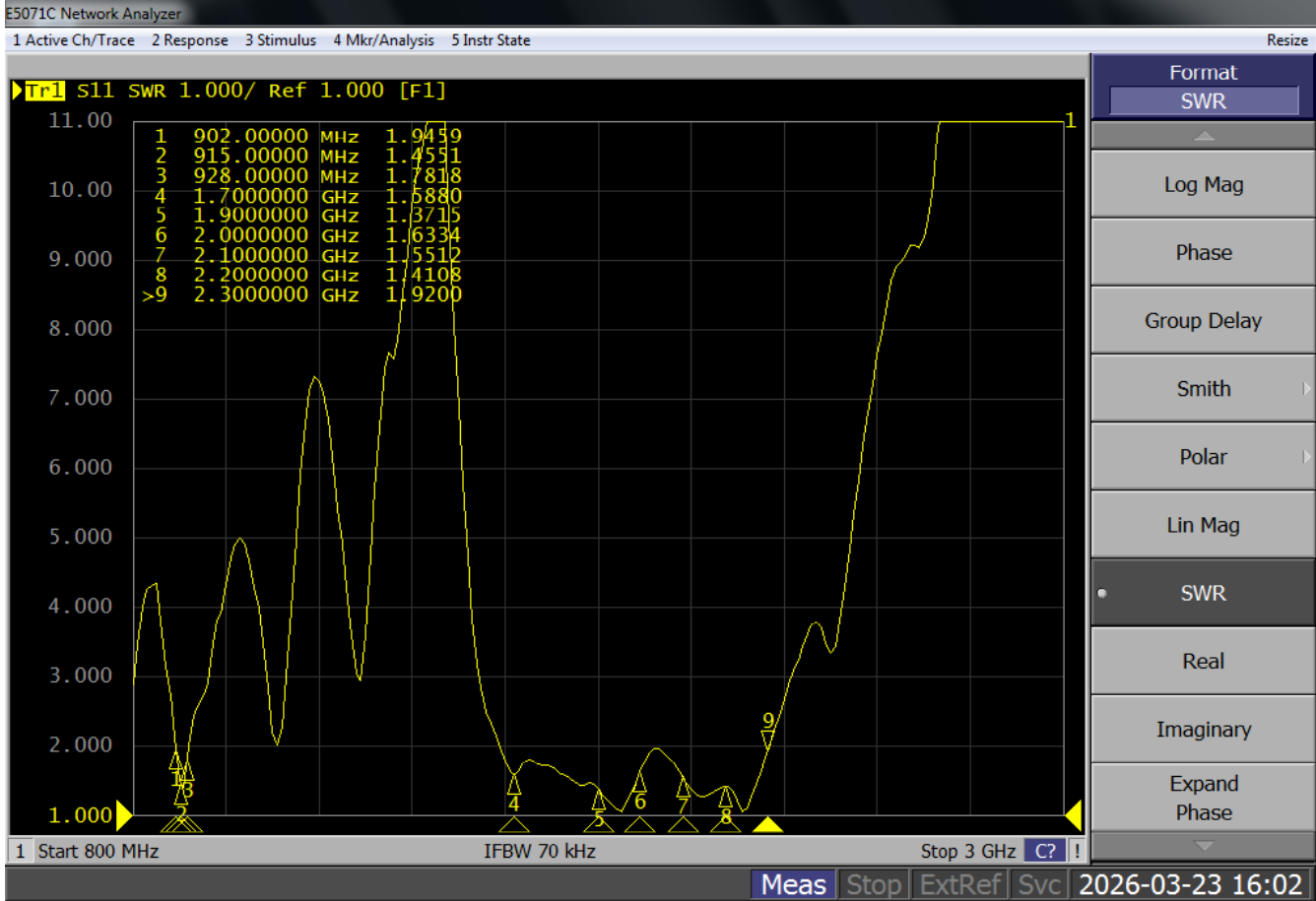
NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01

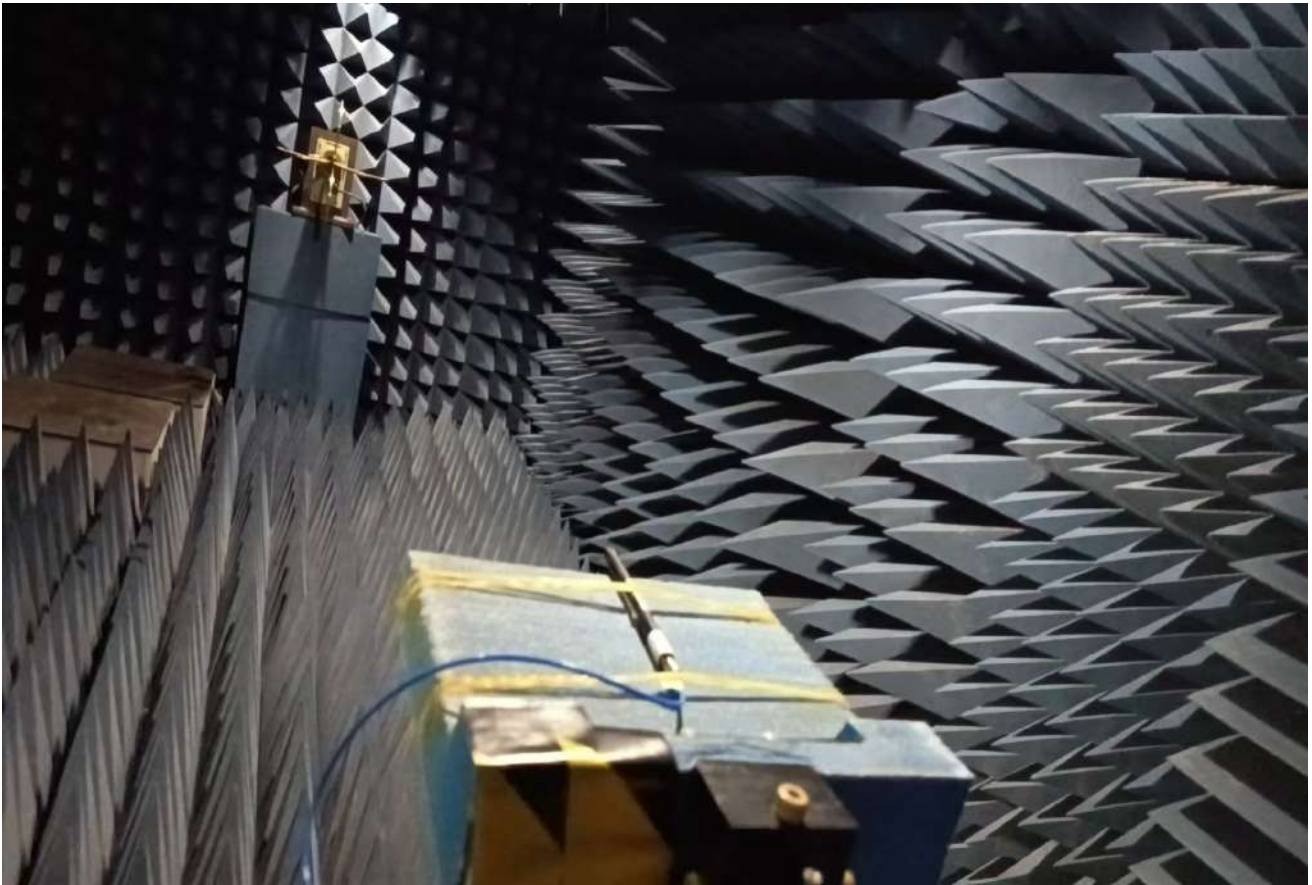


 Third angle projection		CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
						M/M			1
		TOLERANCE	K. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
		SURFACE ROUGHNESS	$\frac{S}{\sqrt{\text{V}}}$	APPEARANCE					

3. Frequency



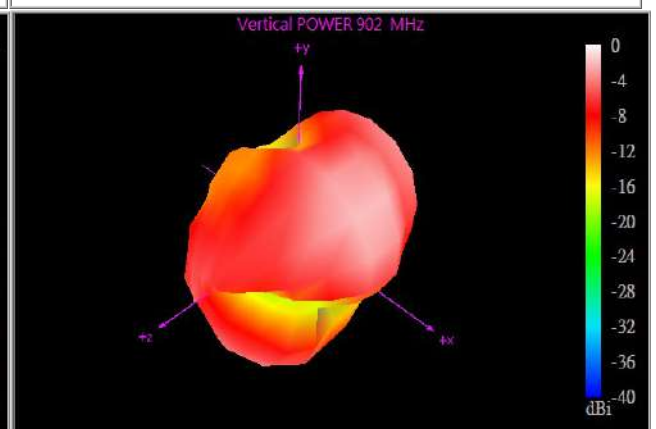
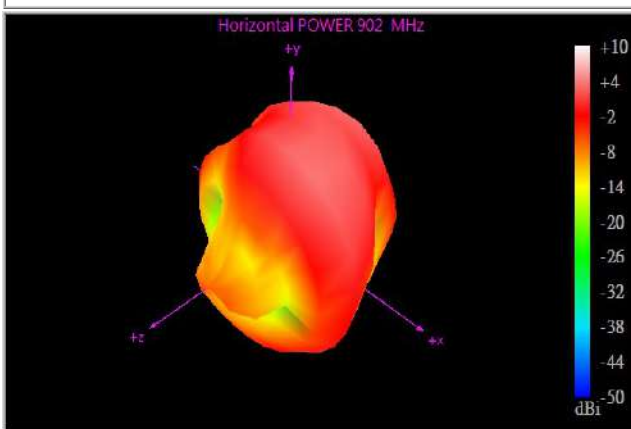
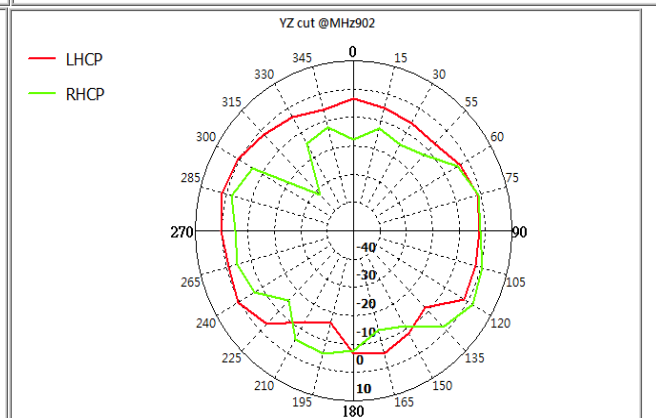
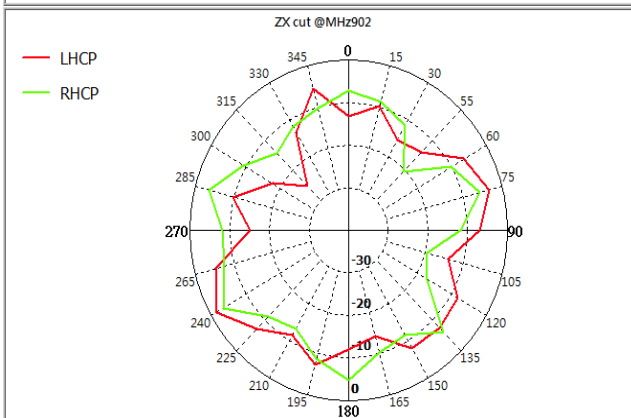
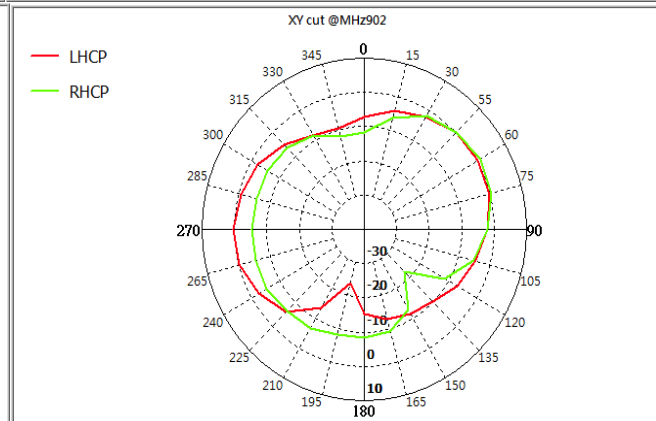
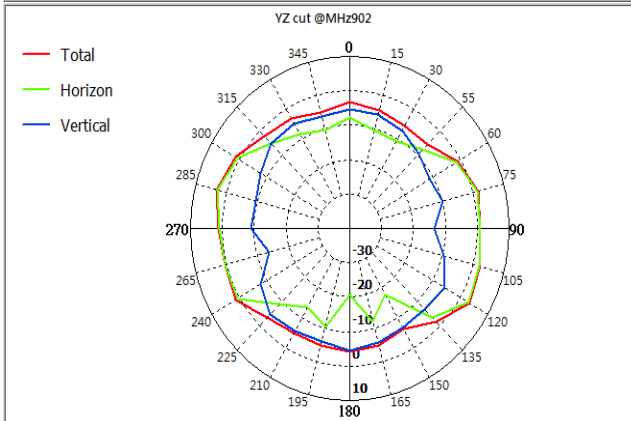
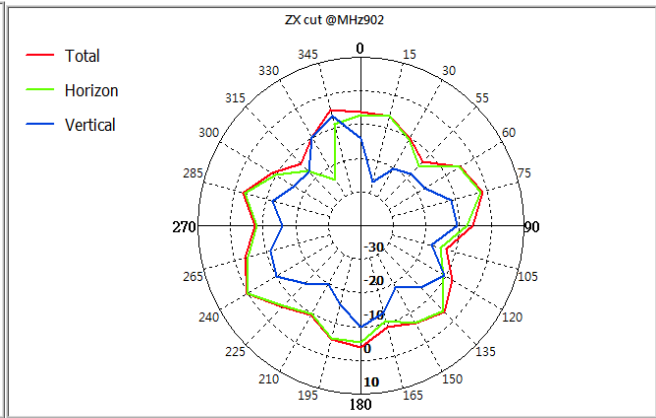
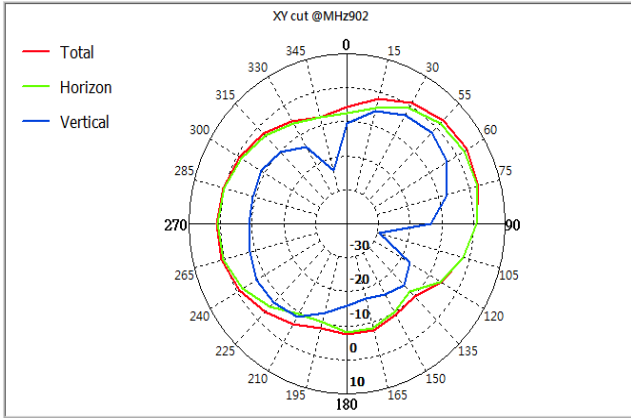


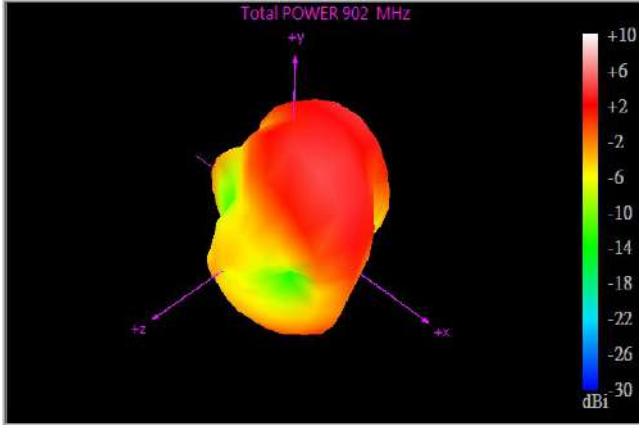
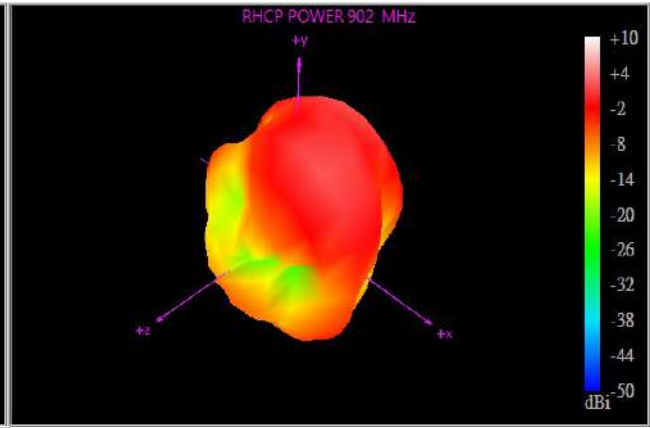
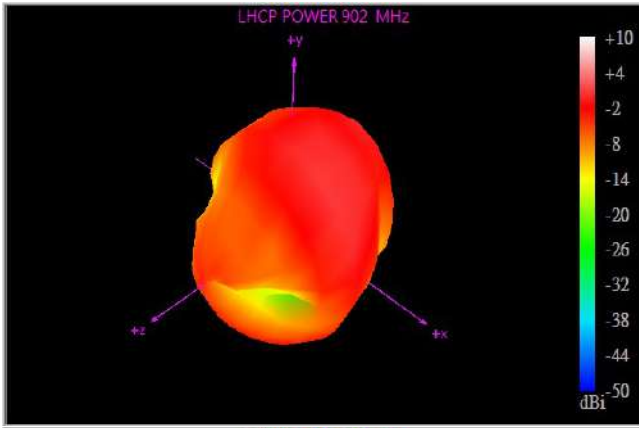


3D Total

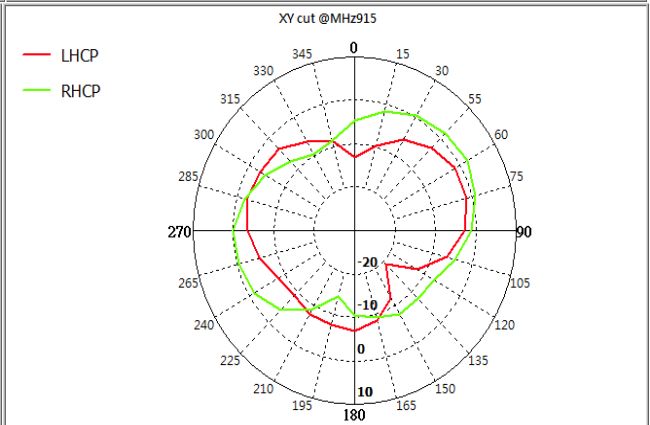
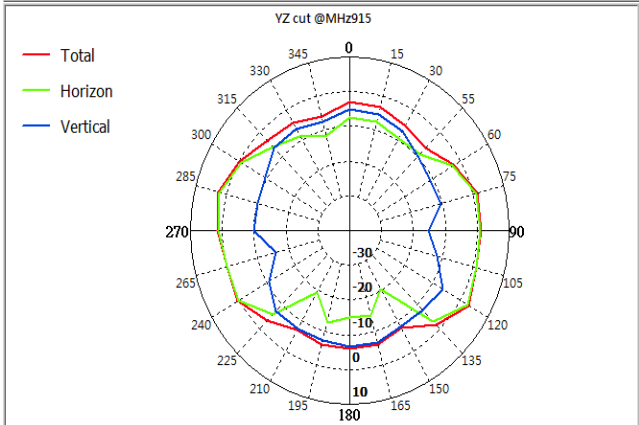
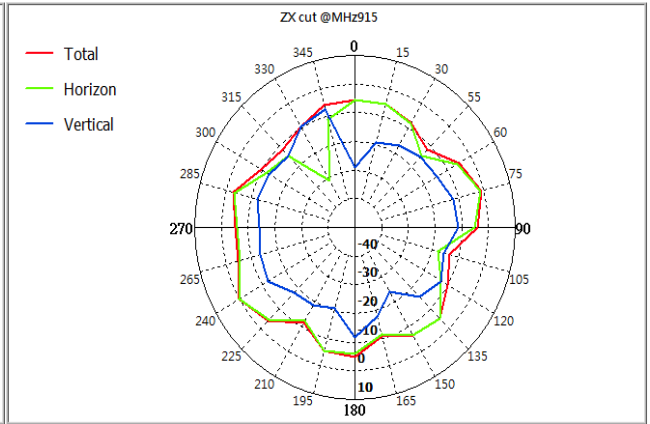
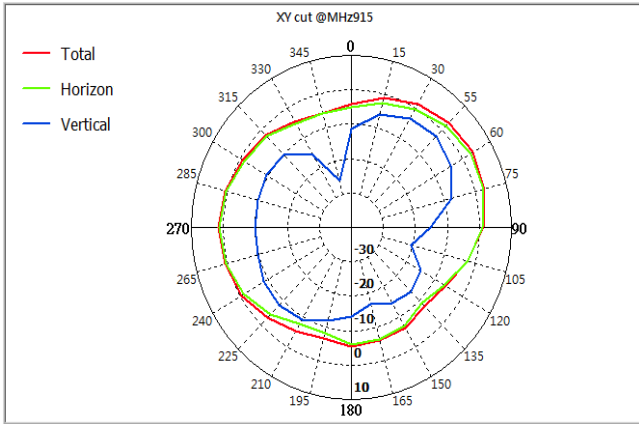
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902 MHz	-5.23	-4.68	-1.93	64.07	4.60	-1.93
915 MHz	-5.56	-5.05	-2.29	59.00	4.27	-2.29
930 MHz	-6.07	-5.48	-2.75	53.04	3.68	-2.75
1700 MHz	-10.03	-4.69	-3.58	43.87	3.48	-3.58
1750 MHz	-10.08	-4.37	-3.34	46.38	3.51	-3.34
1800 MHz	-10.50	-4.00	-3.12	48.72	4.15	-3.12
1850 MHz	-7.97	-1.08	-3.27	47.11	4.36	-3.27
1900 MHz	-10.13	-3.48	-2.63	54.57	5.26	-2.63
1950 MHz	-10.00	-4.14	-3.14	48.52	4.57	-3.14
2000 MHz	-8.10	-3.70	-2.36	58.09	4.93	-2.36
2050 MHz	-7.70	-4.00	-2.46	56.81	4.41	-2.46
2100 MHz	-7.20	-3.84	-2.19	60.37	4.37	-2.19
2150 MHz	-7.17	-4.30	-2.49	56.39	3.81	-2.49
2200 MHz	-6.86	-4.83	-2.72	53.46	3.35	-2.72
2250 MHz	-7.34	-5.91	-3.56	44.10	2.12	-3.56
2300 MHz	-6.83	-6.21	-3.50	44.67	2.11	-3.50
2350 MHz	-7.47	-7.18	-4.31	37.05	1.26	-4.31

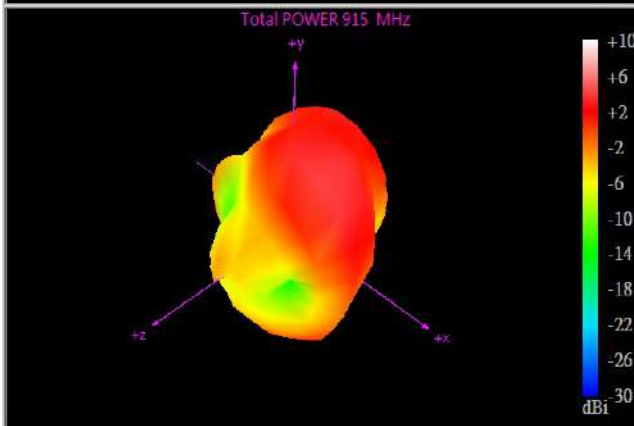
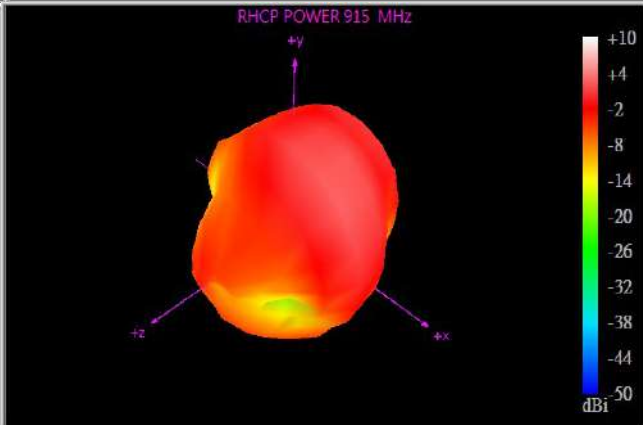
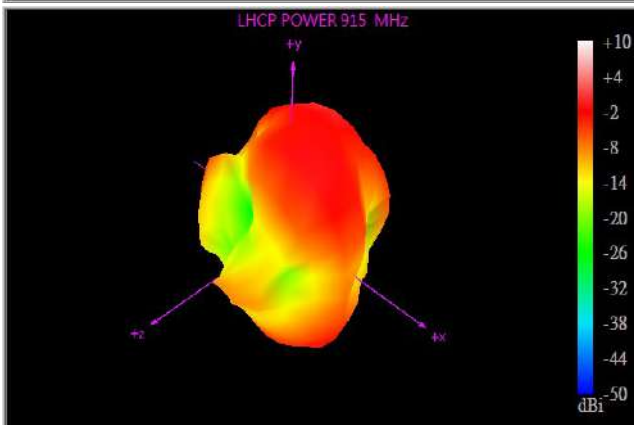
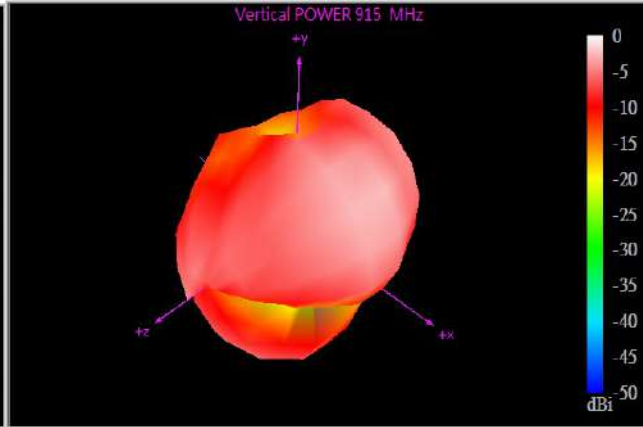
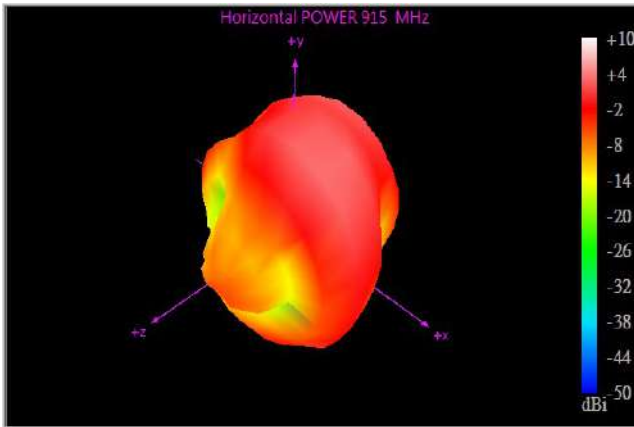
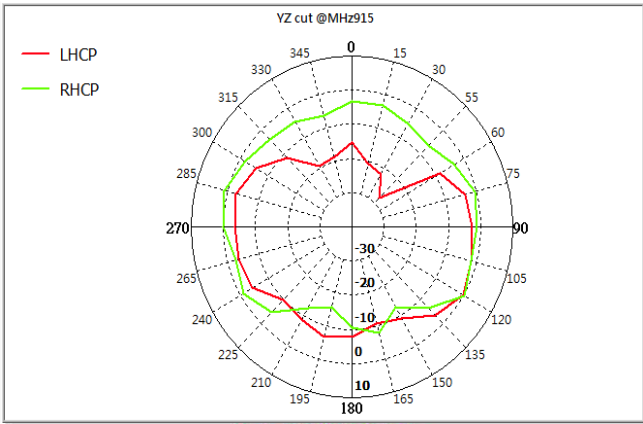
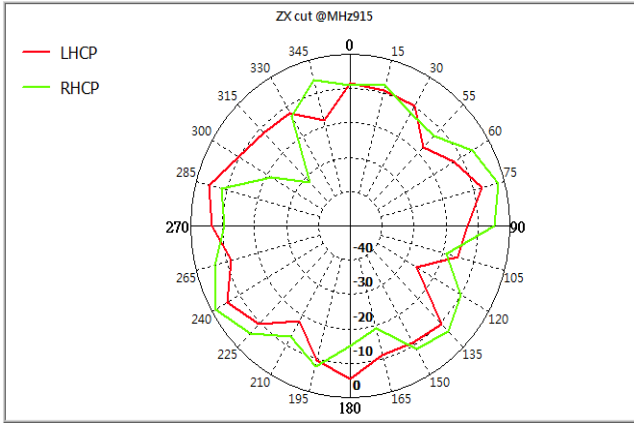
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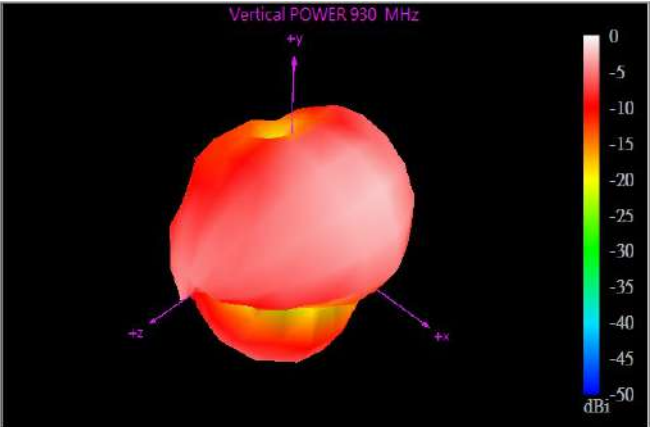
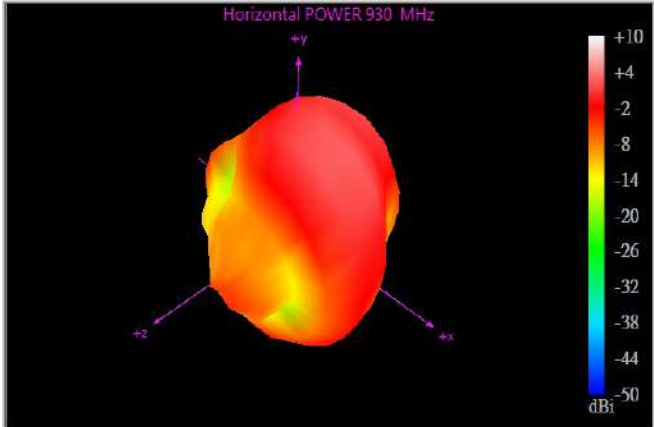
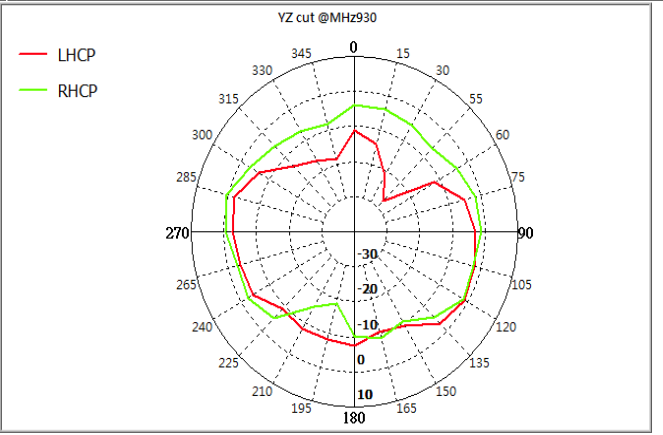
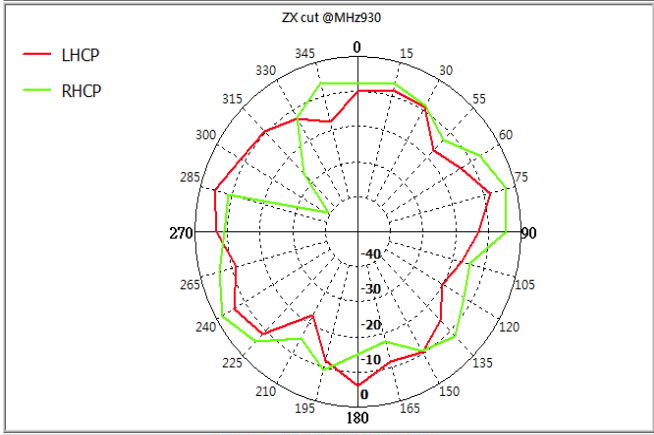
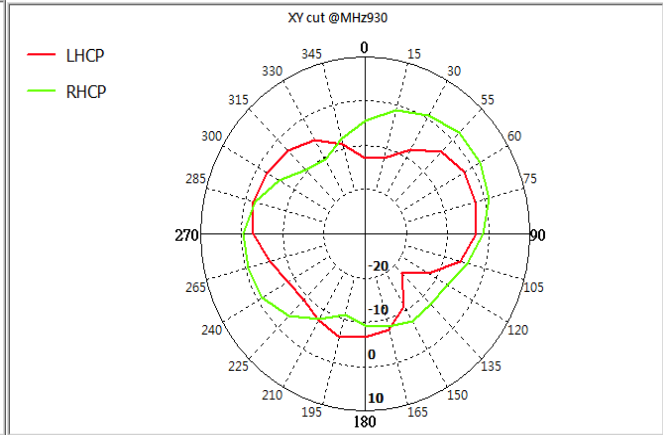
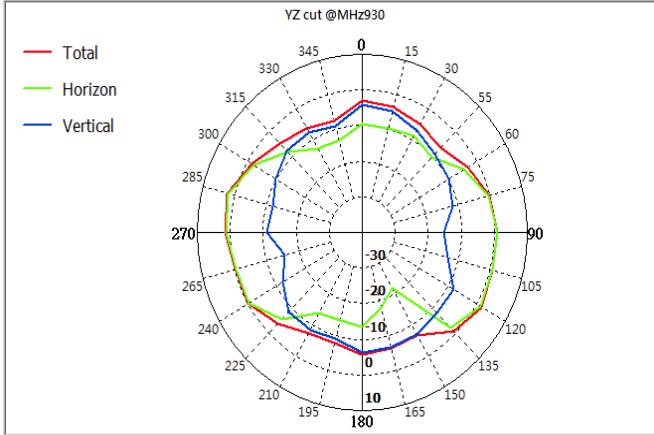
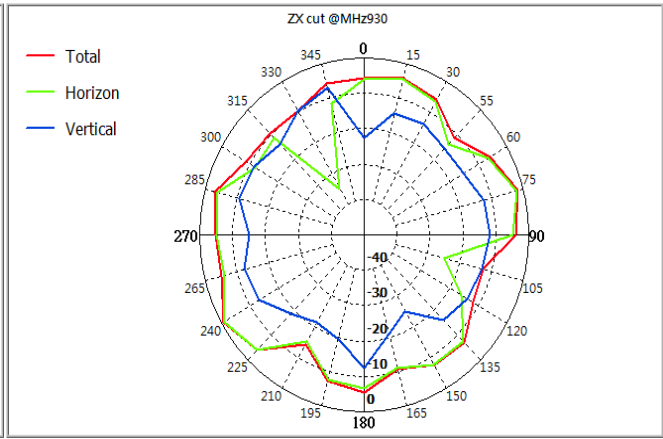
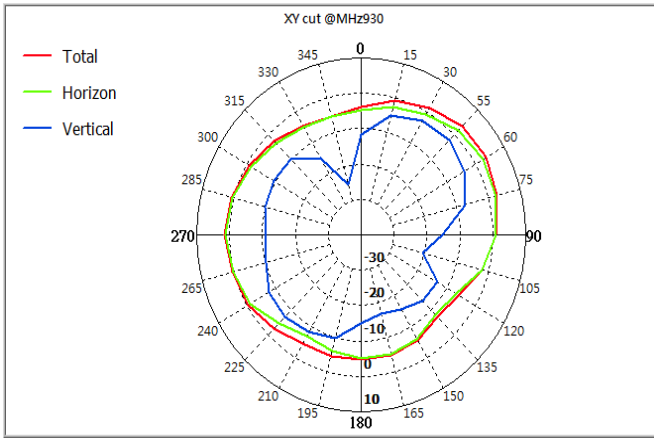


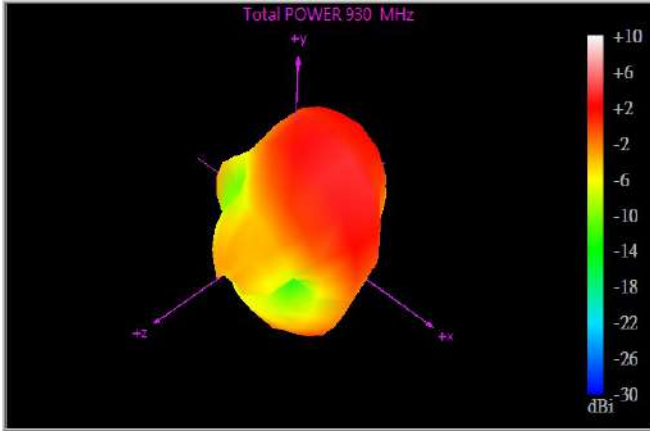
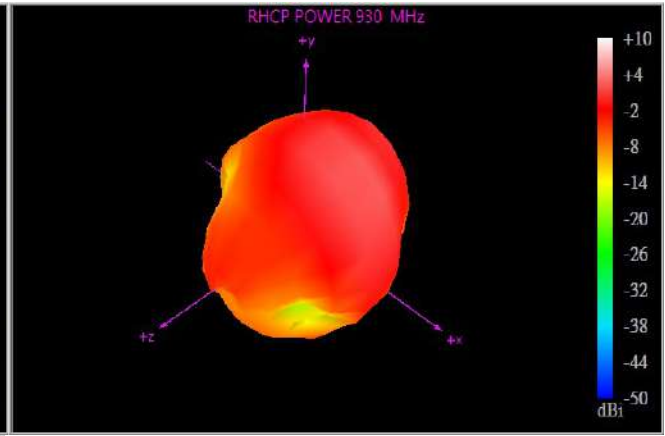
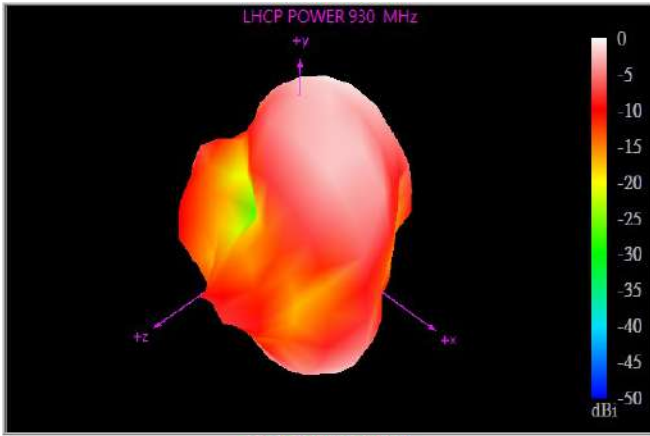
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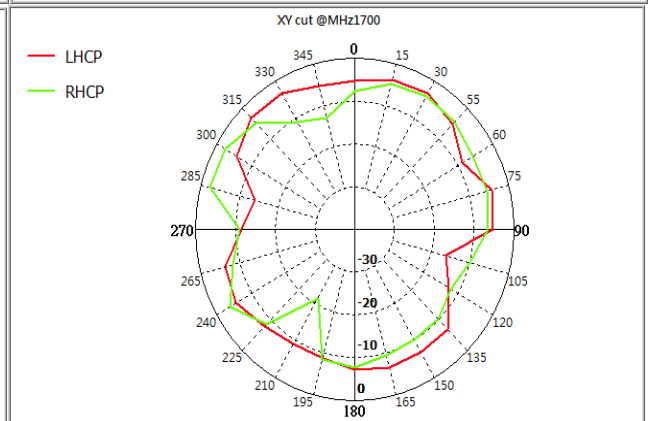
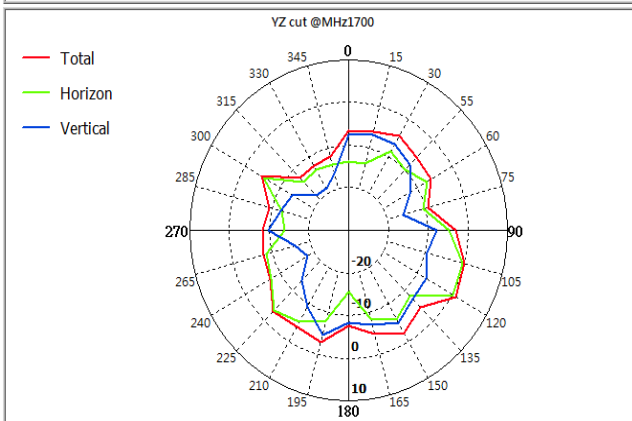
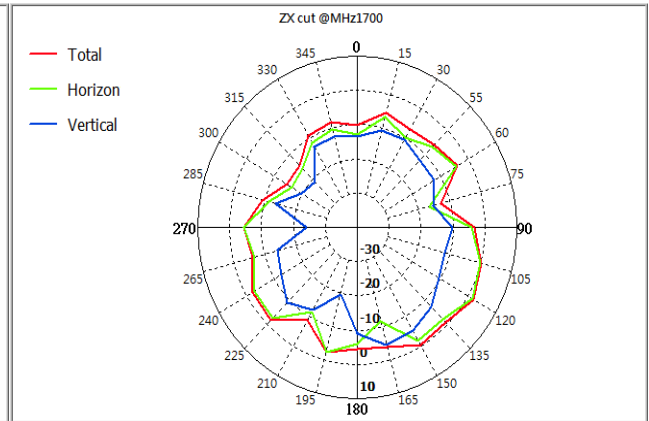
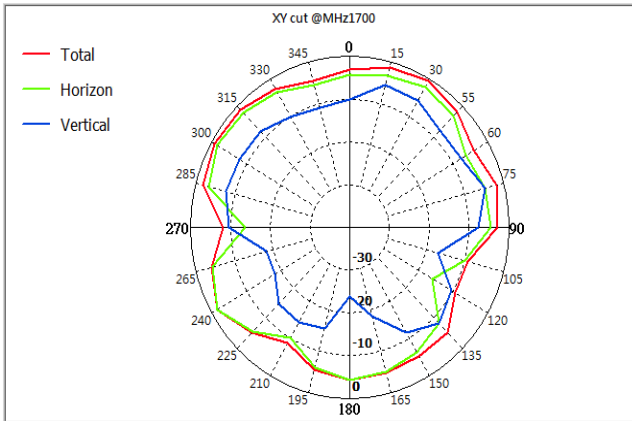


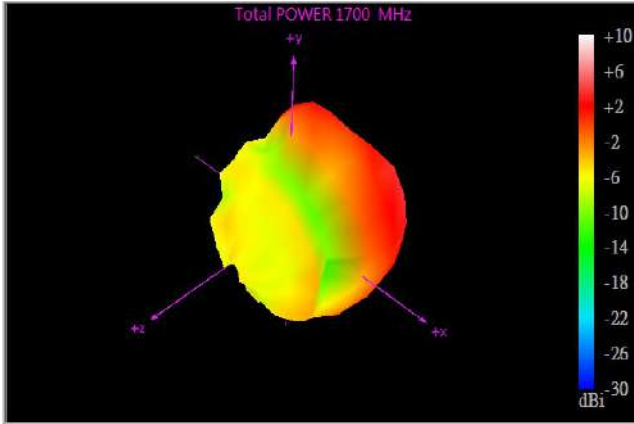
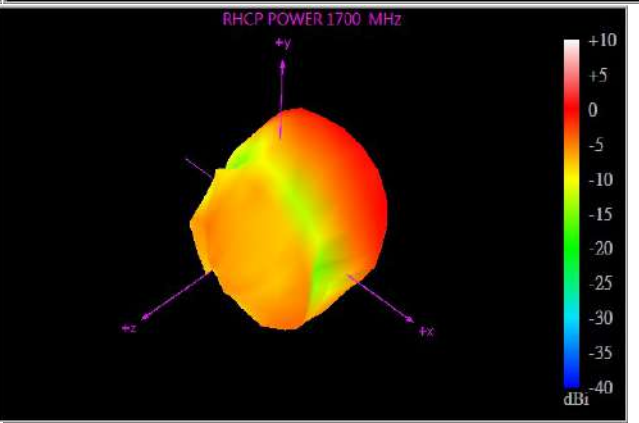
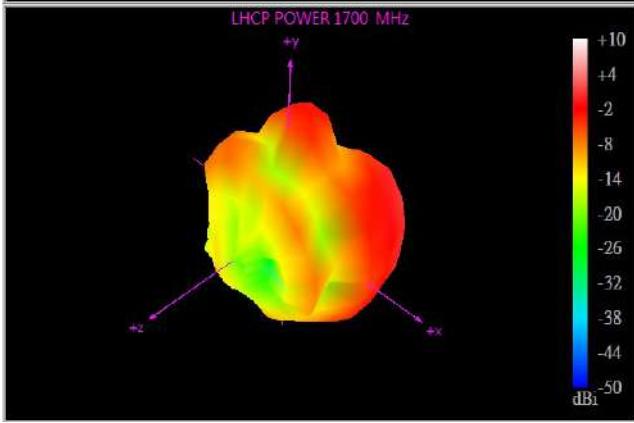
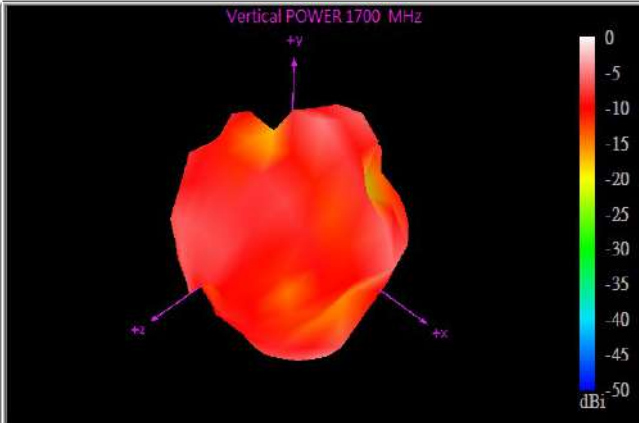
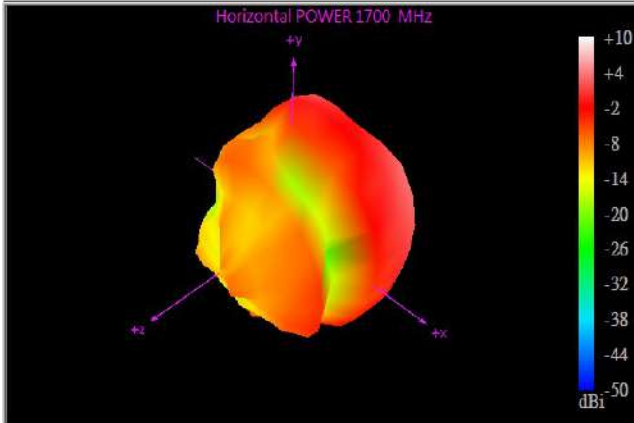
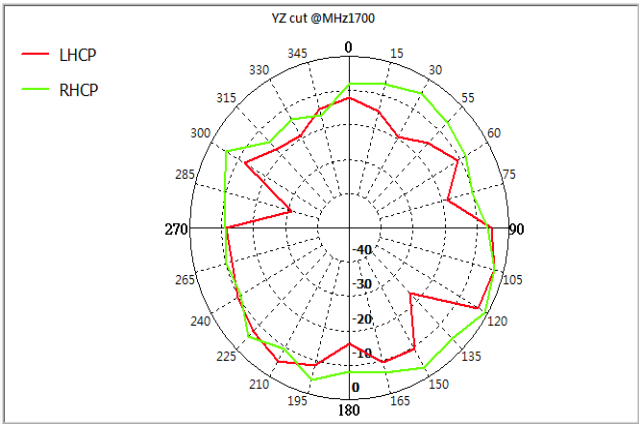
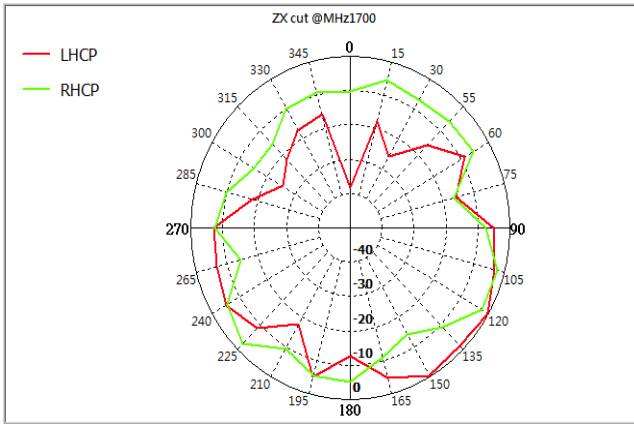
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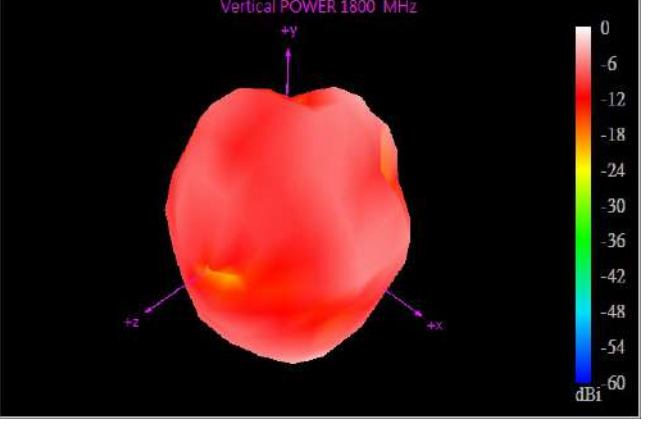
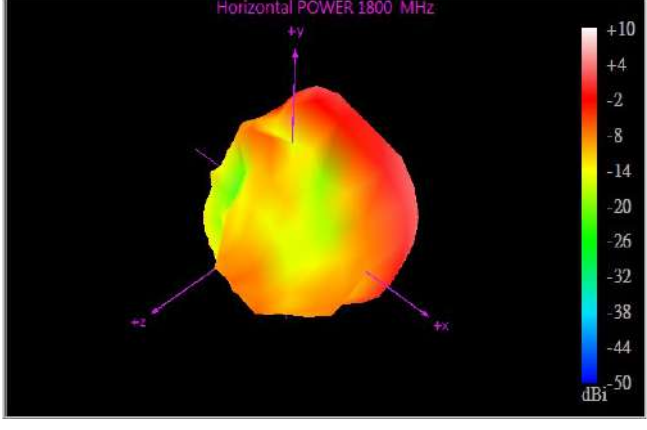
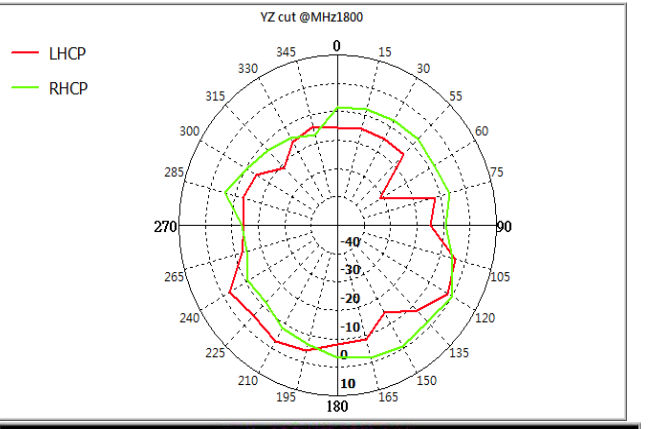
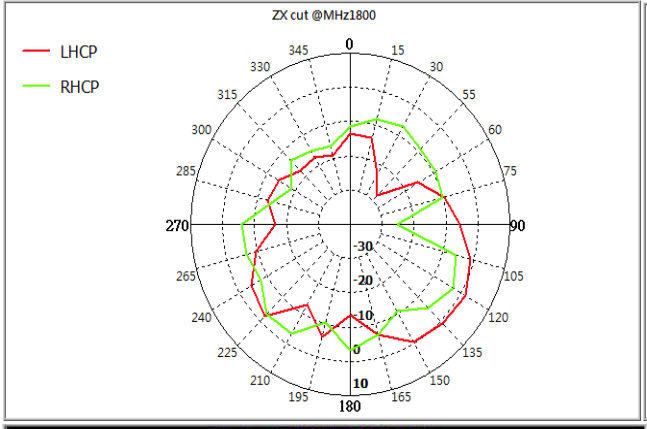
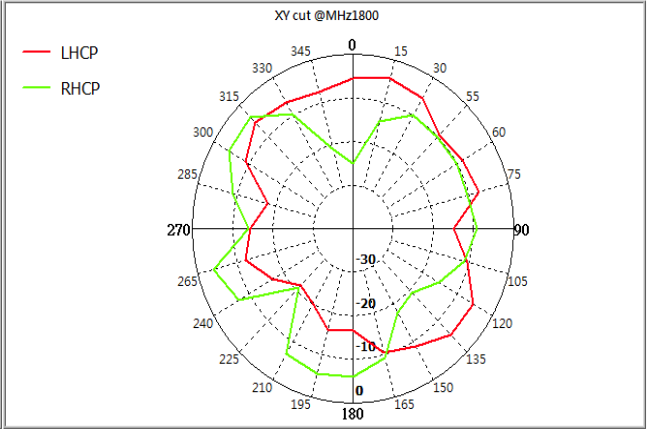
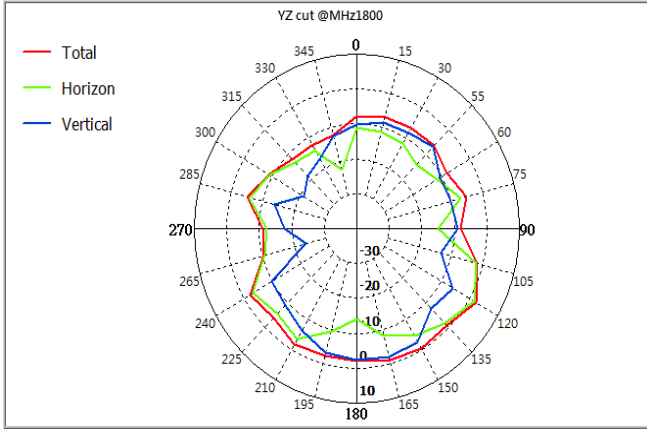
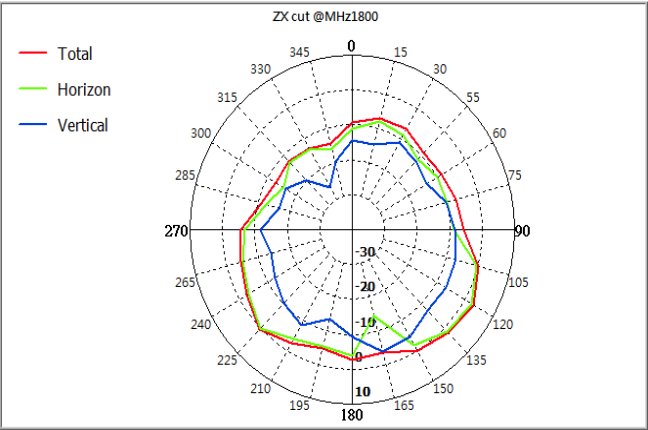
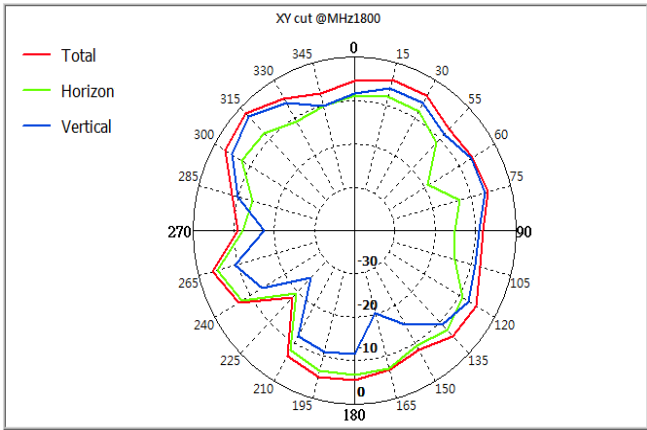


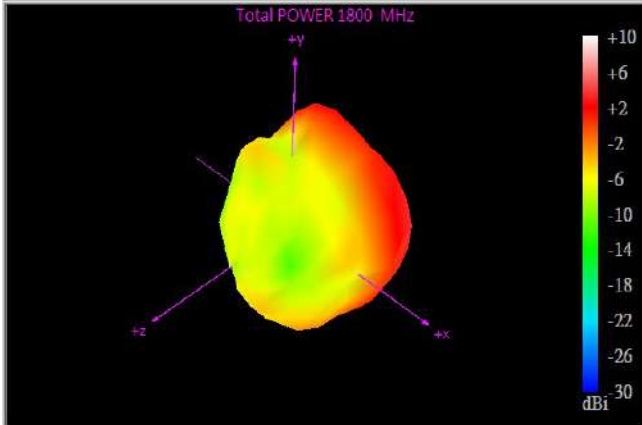
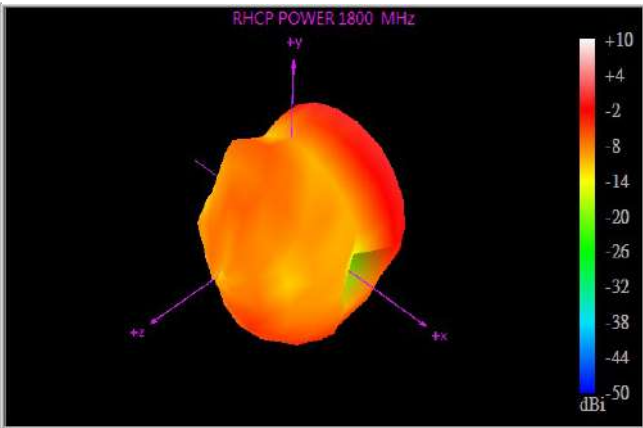
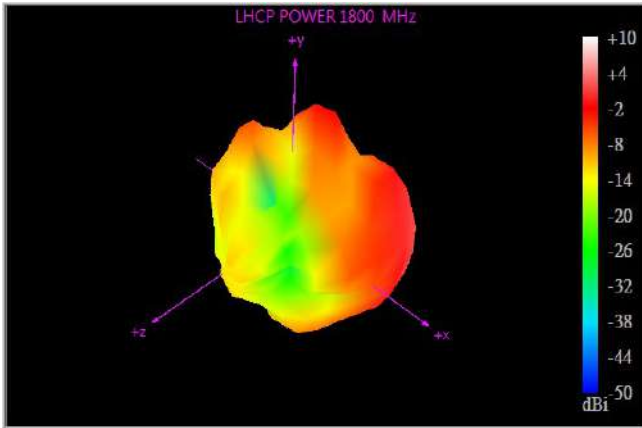
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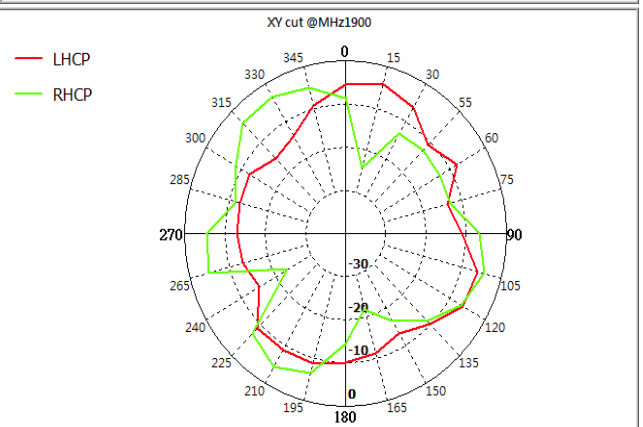
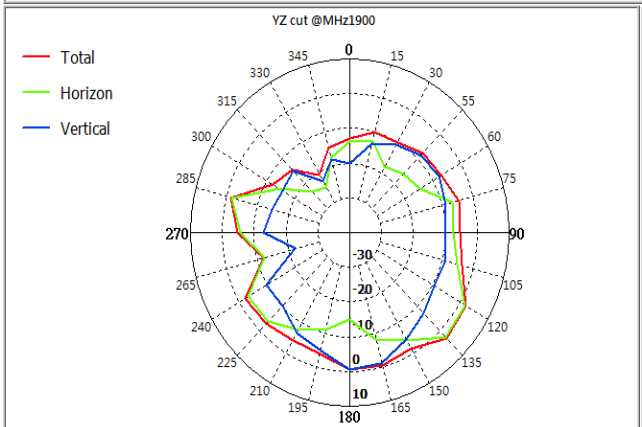
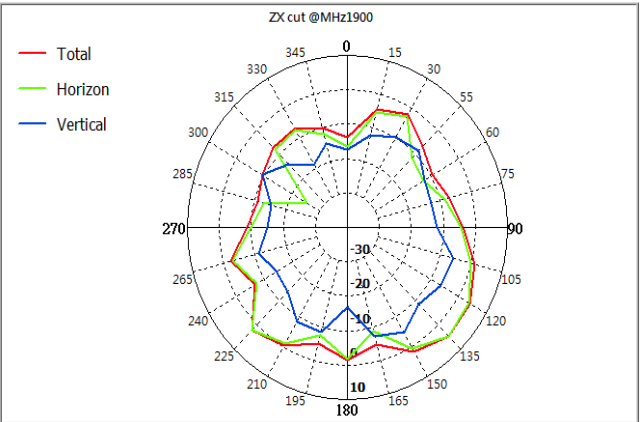
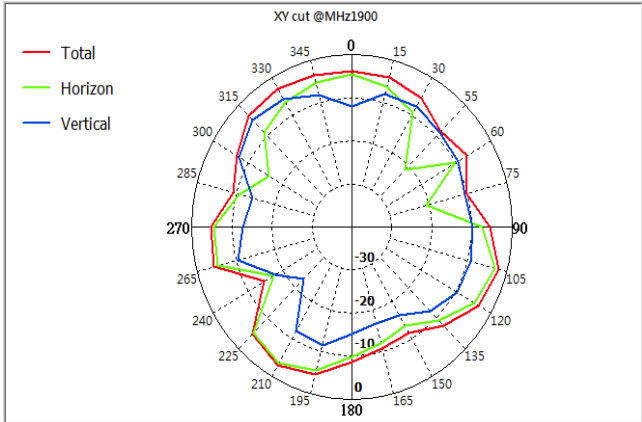


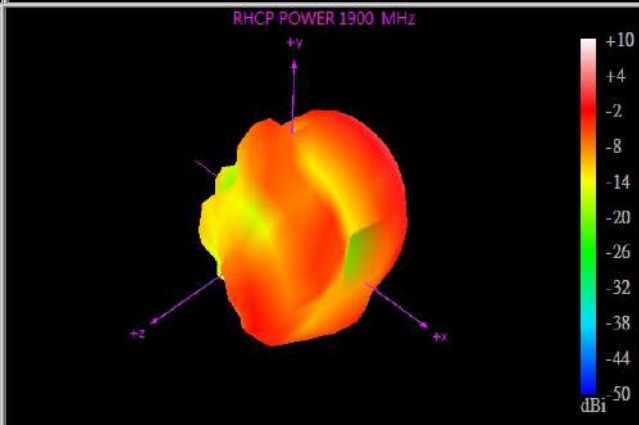
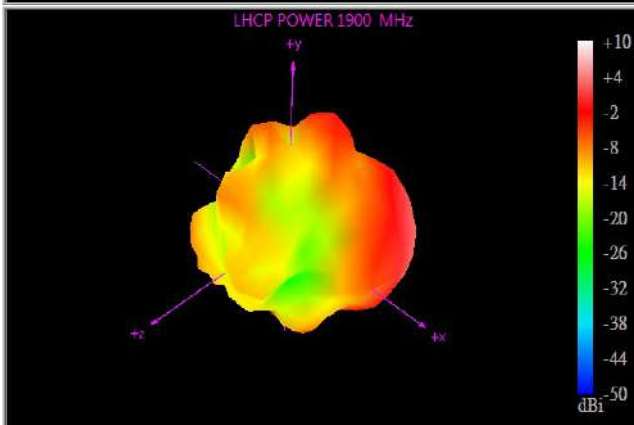
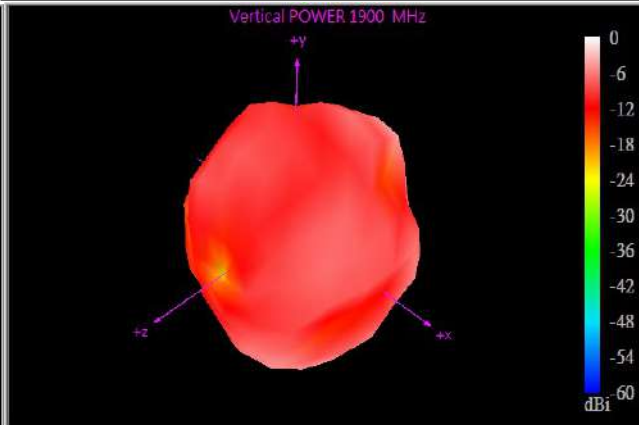
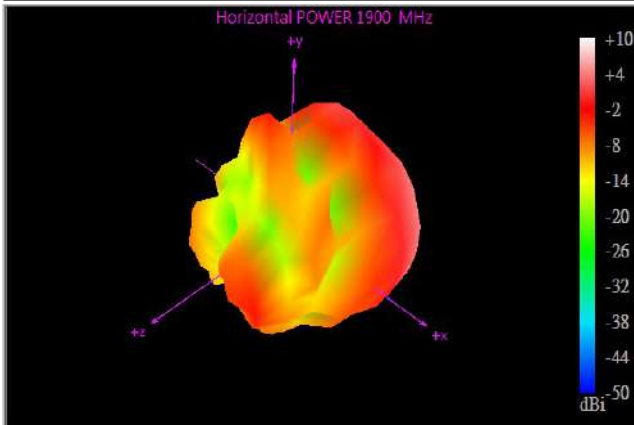
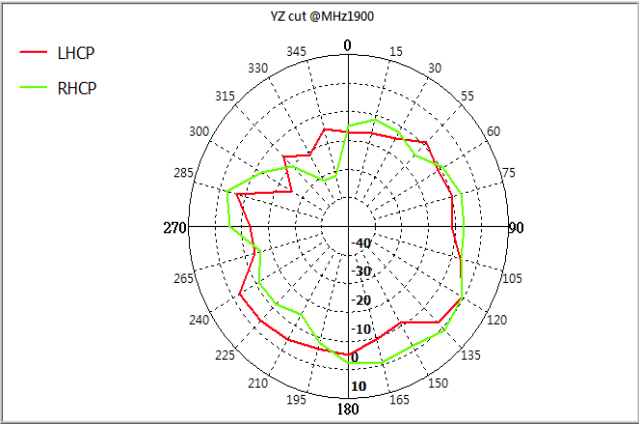
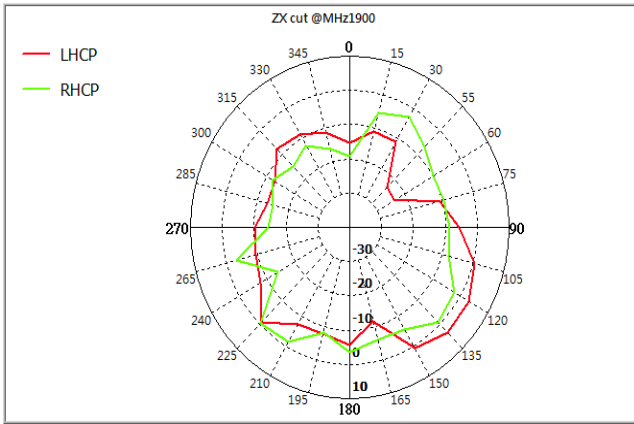
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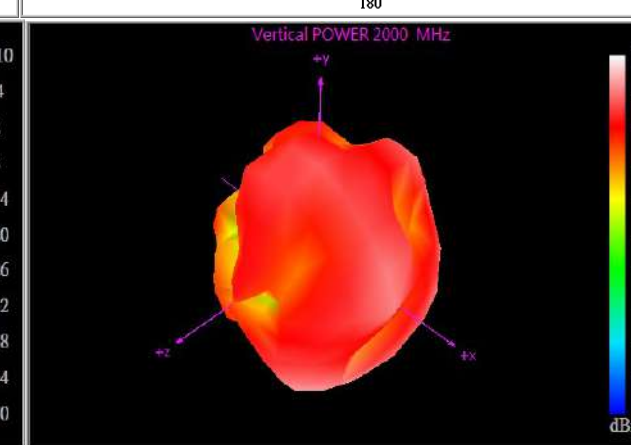
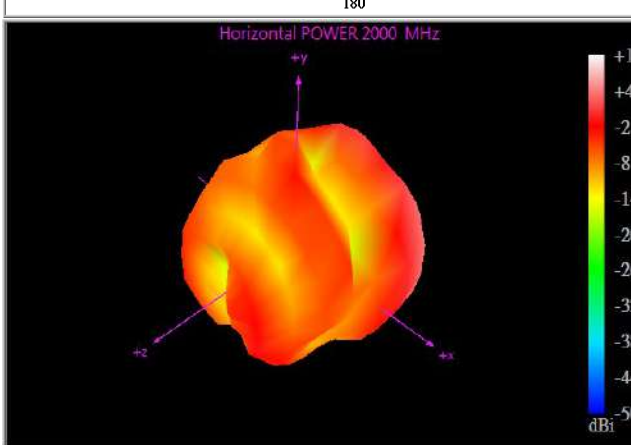
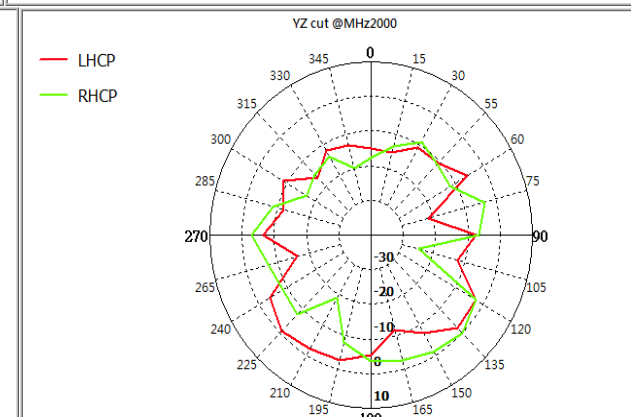
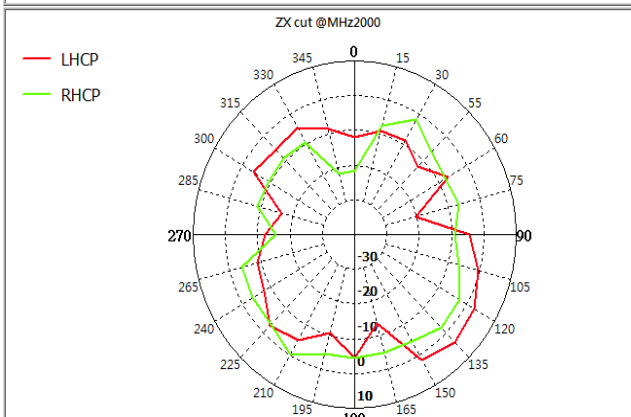
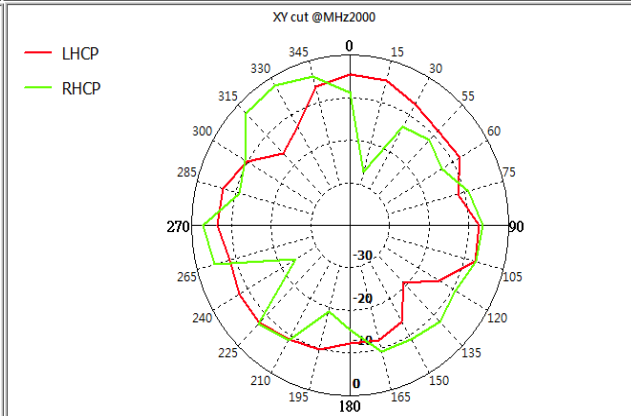
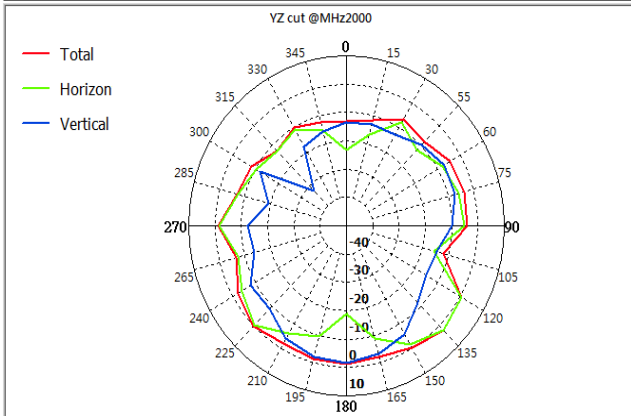
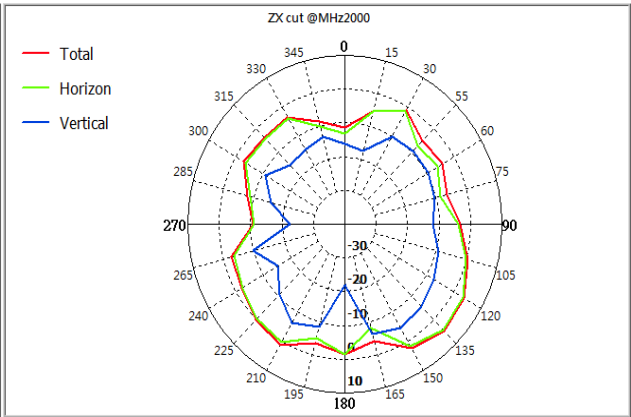
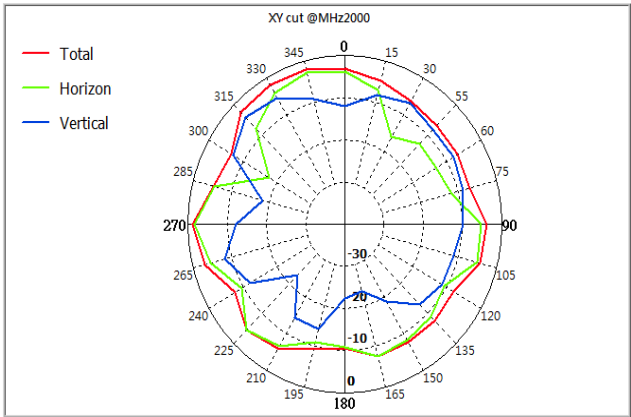


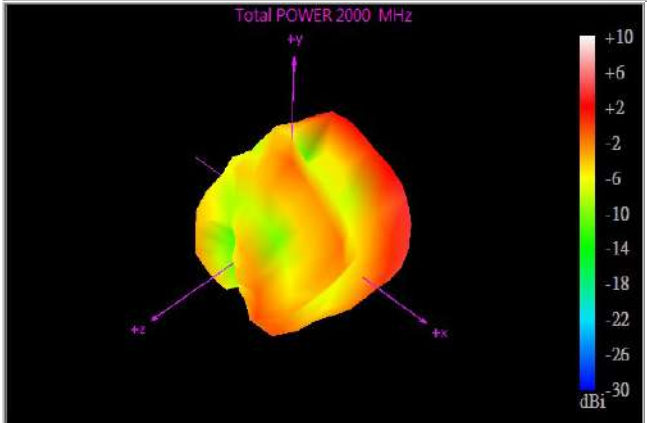
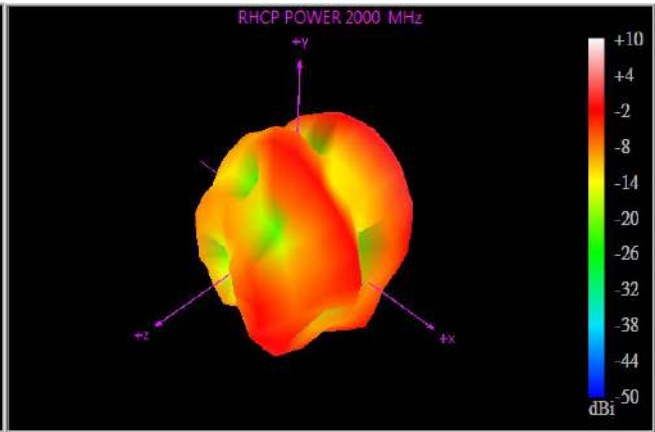
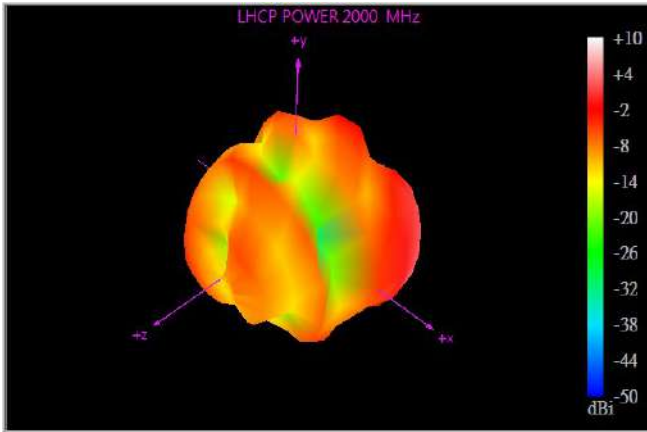
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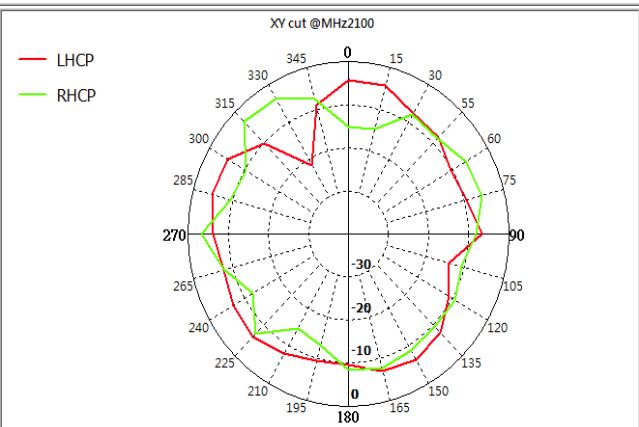
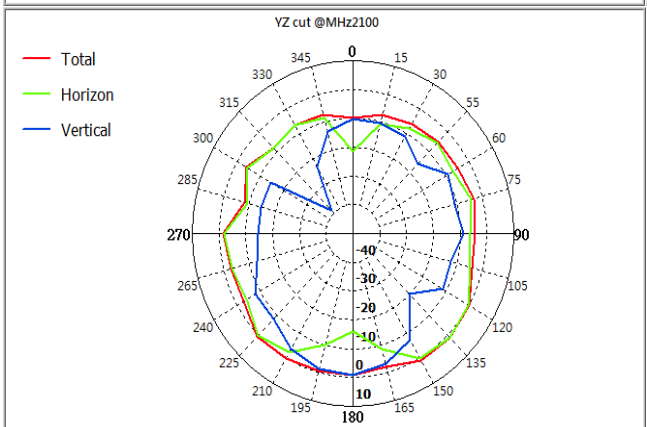
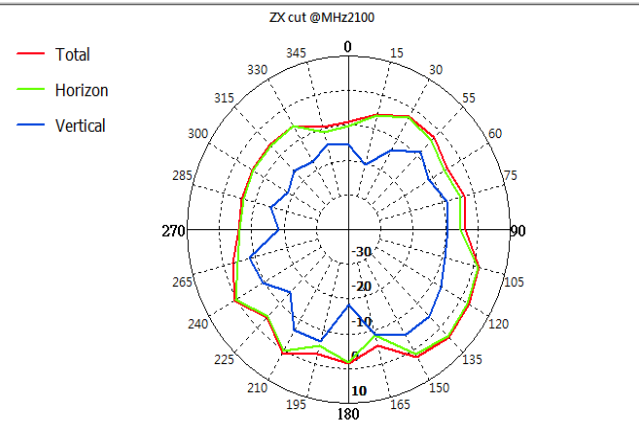
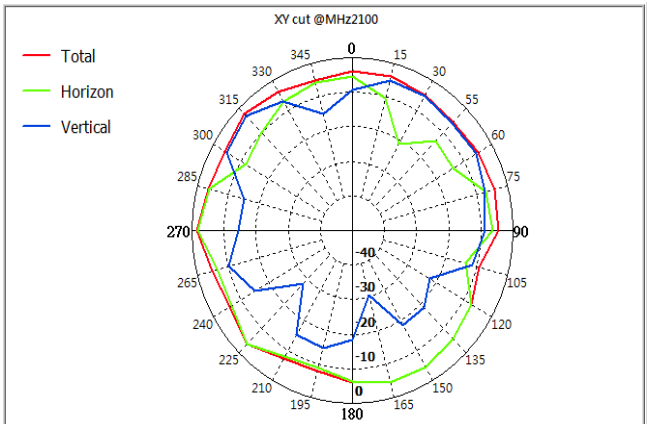


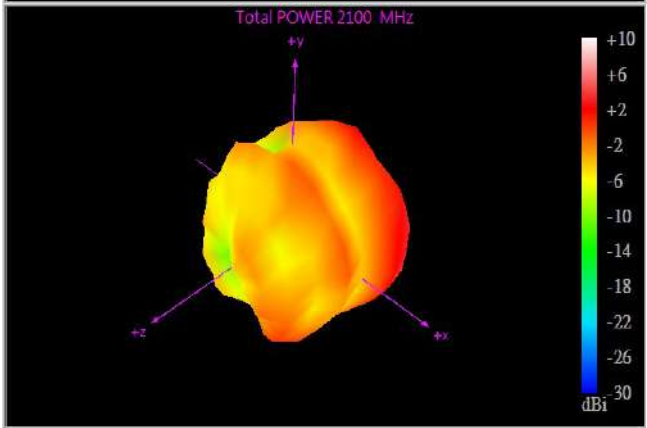
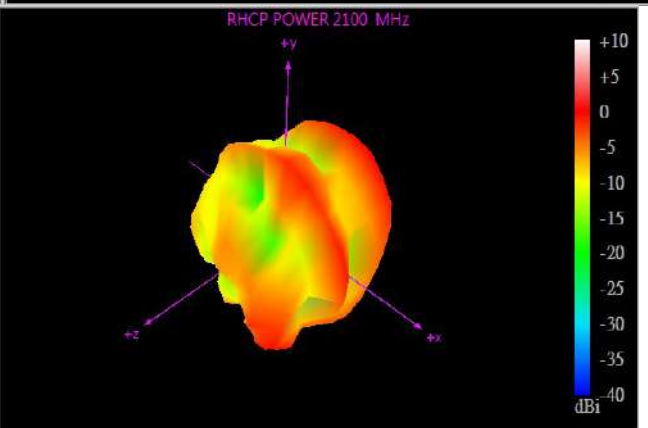
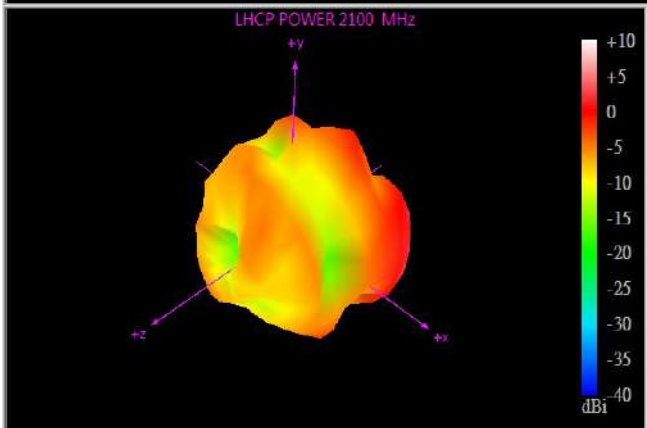
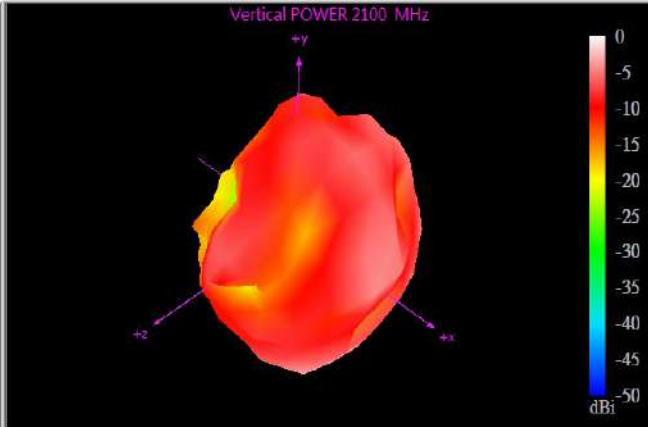
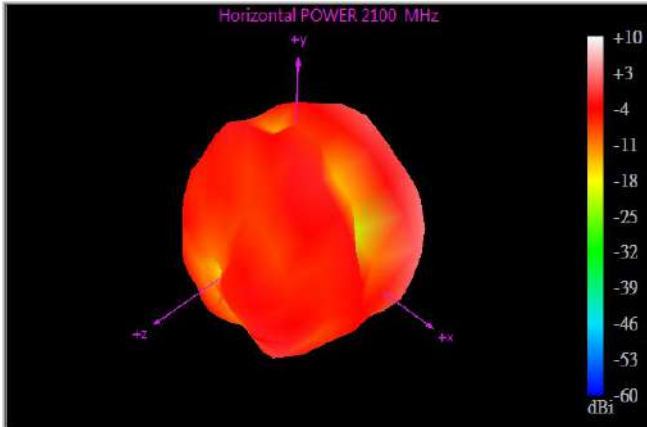
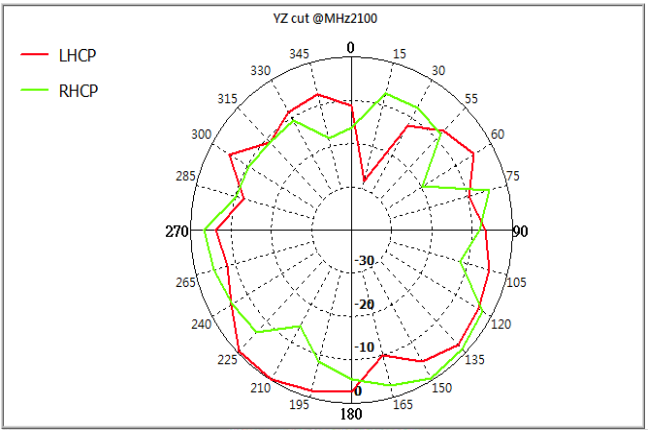
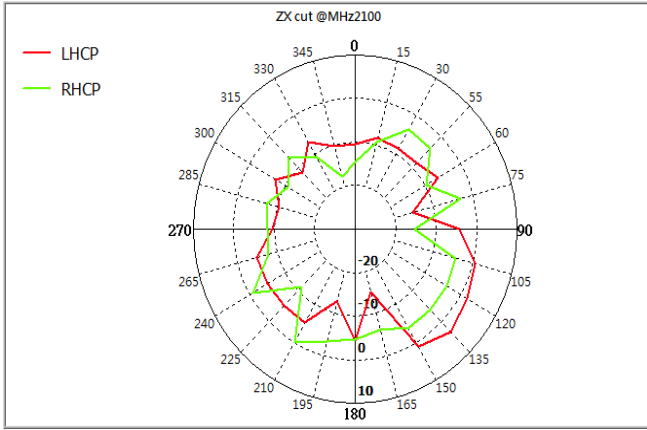
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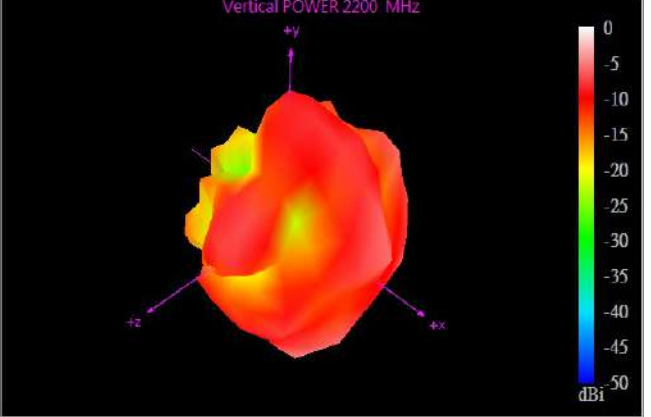
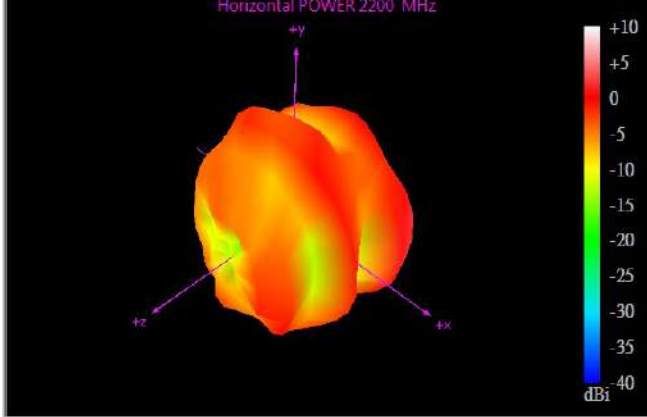
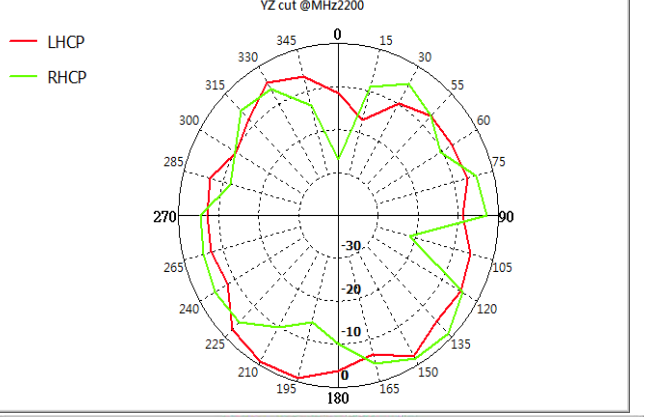
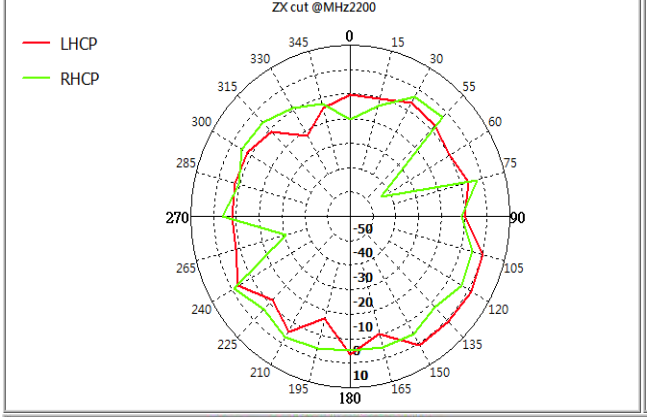
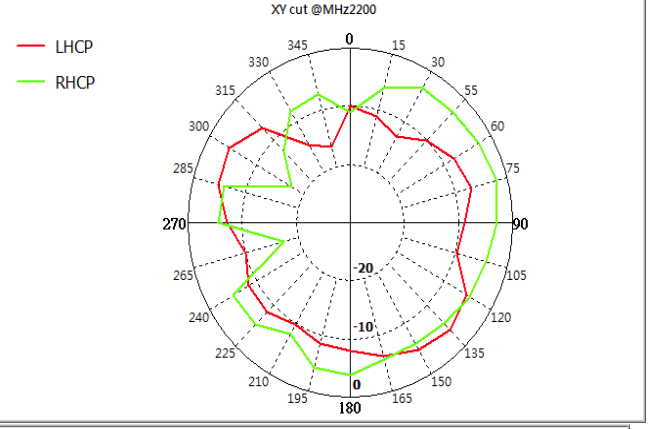
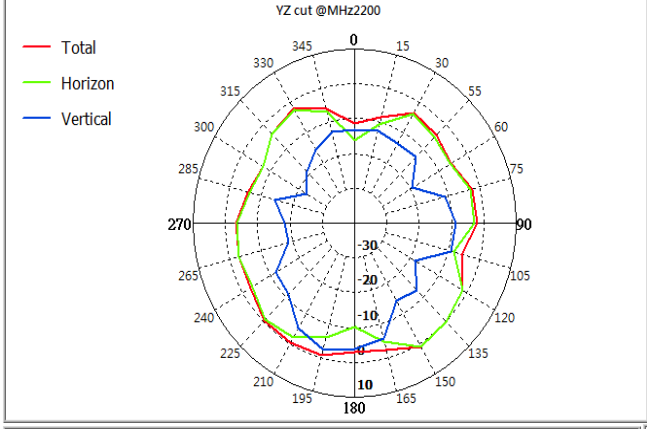
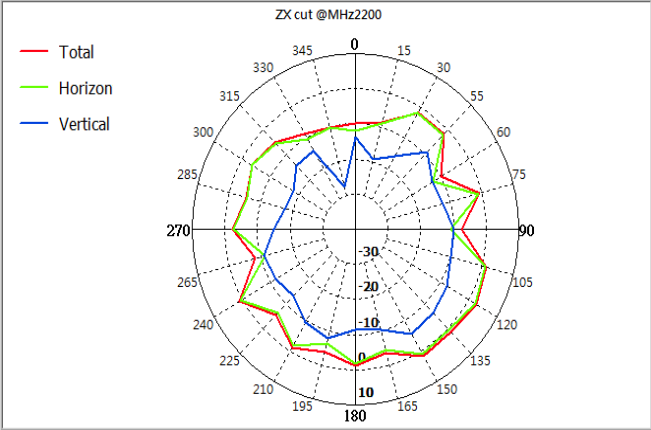
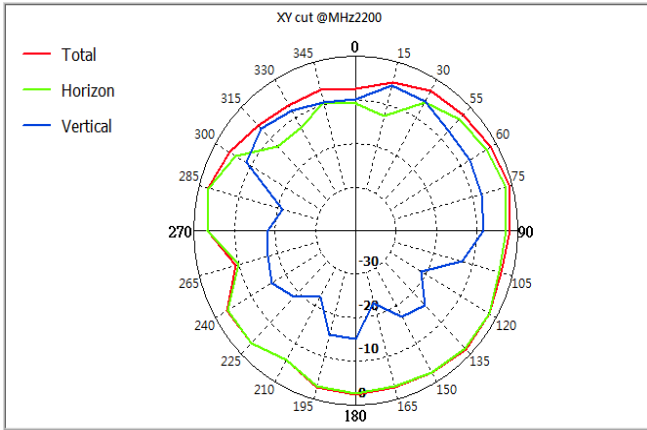


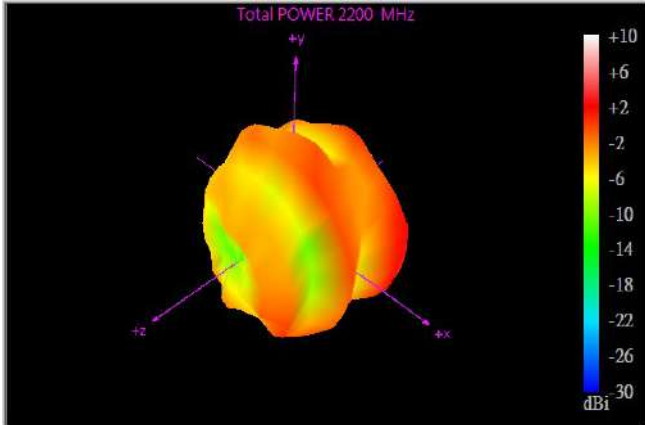
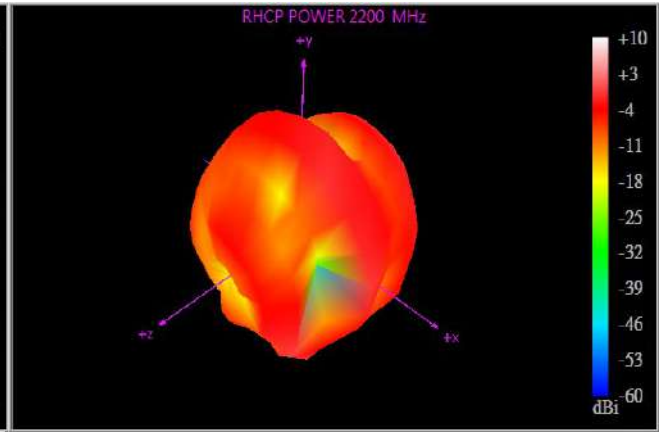
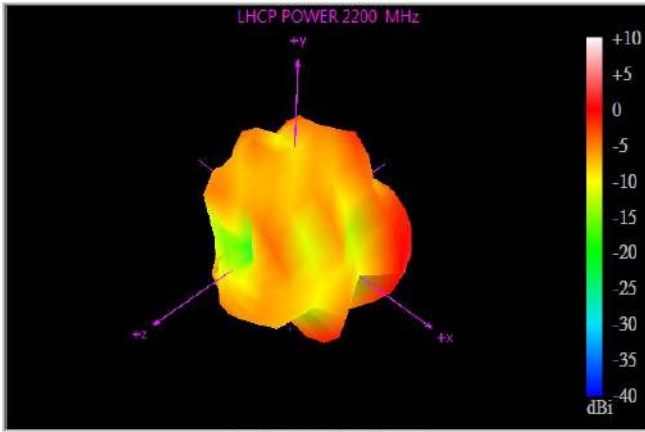
2100MHz:





2200Mhz:





2300MHz:

