

# Outdoor Omni L Band Antenna

**MODEL: TH-1590**



## 1. Specifications:

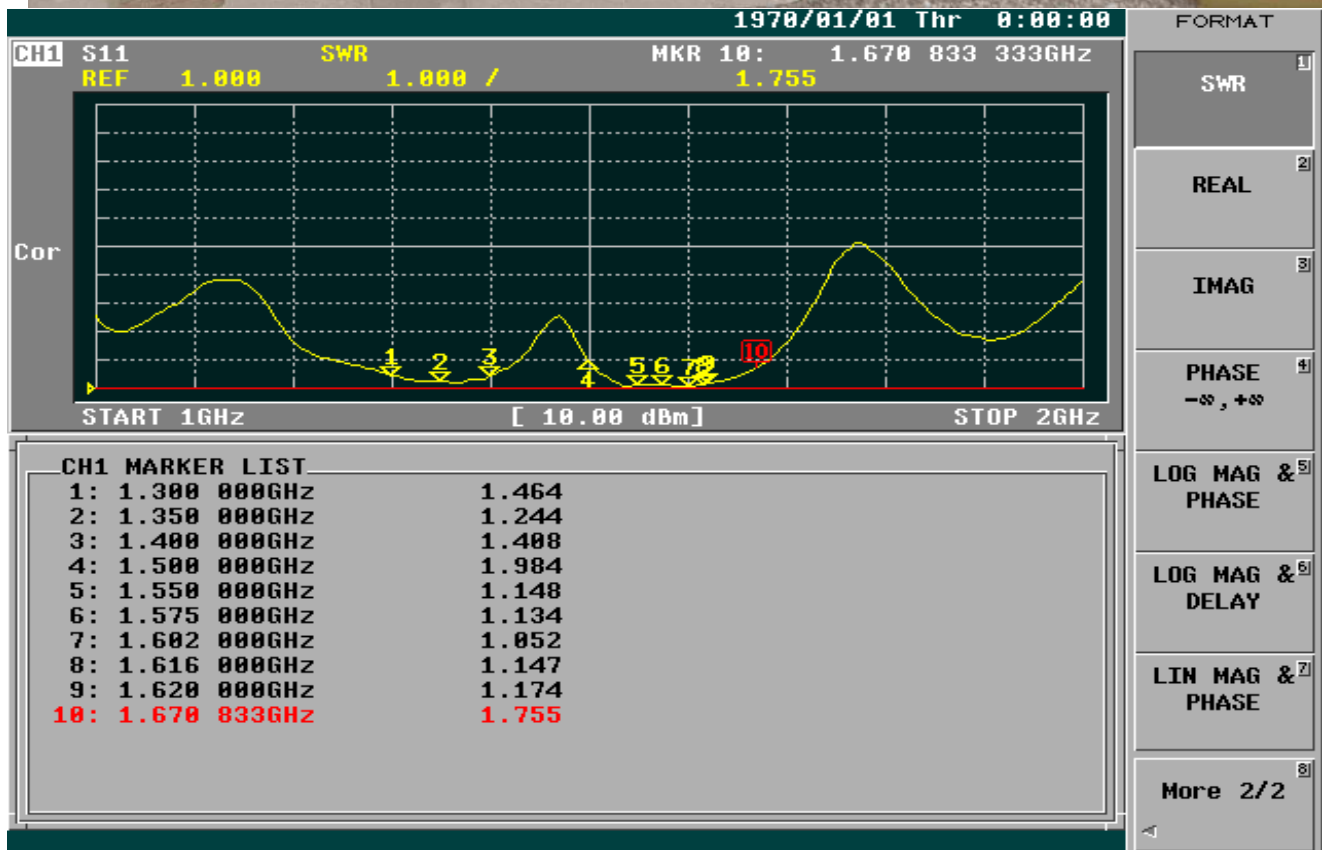
<b>Frequency range:</b>	<b>1560~1620Mhz</b>
<b>Gain:</b>	<b>6dBi</b>
<b>V.S.W.R:</b>	<b>2.0</b>
<b>Impedence:</b>	<b>50 ohm</b>
<b>Connector:</b>	<b>N Type male</b>
<b>Dimension:</b>	<b>605mm +/-10 x OD36mm</b>
<b>Weight:</b>	<b>0.34Kg</b>
<b>Polarization :</b>	<b>vertical</b>
<b>Power handling :</b>	<b>100W</b>
<b>Materials :</b>	<b>Fiberglass &amp; copper</b>
<b>Colour :</b>	<b>Black</b>
<b>Rated wind velocity :</b>	<b>60m/s</b>
<b>Working Temperature :</b>	<b>-40~60°C</b>
<b>Lightning Protection :</b>	<b>Direct Ground</b>

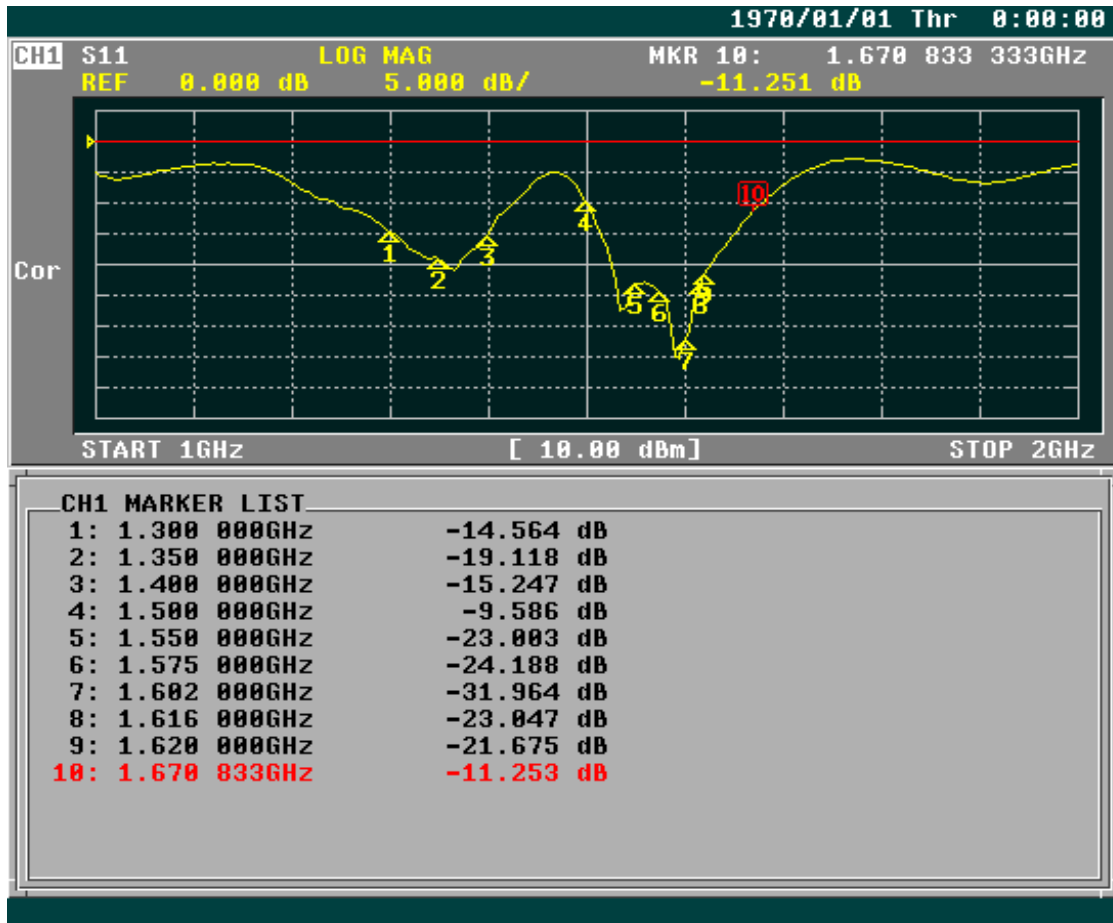
\* This specification is subject to change without prior notice

## 2.APEARANCE:



### 3. FREQUENCY:





FORMAT

LOG MAG [1]

PHASE [2]

DELAY [3]

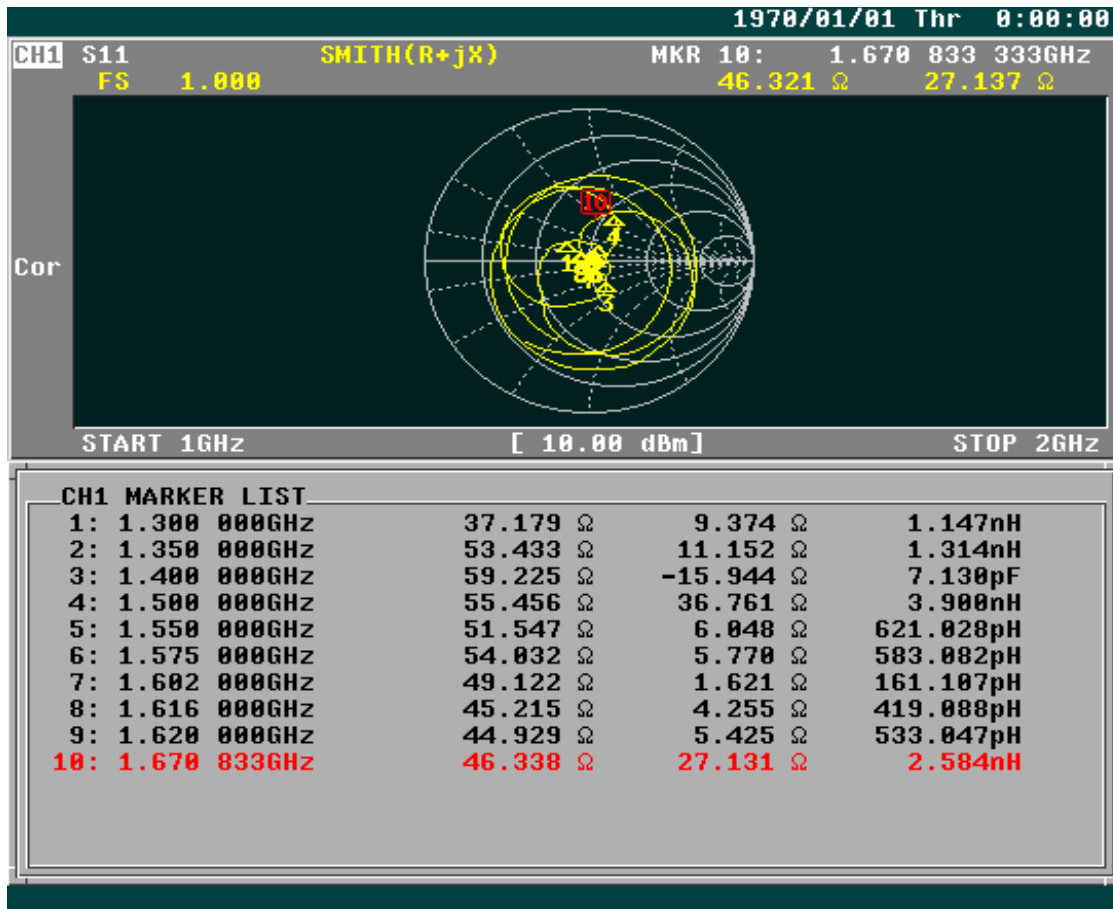
SMITH (R+jX) [4]

SMITH (G+jB) [5]

POLAR [6]

LIN MAG [7]

More 1/2 [8]



SAVE

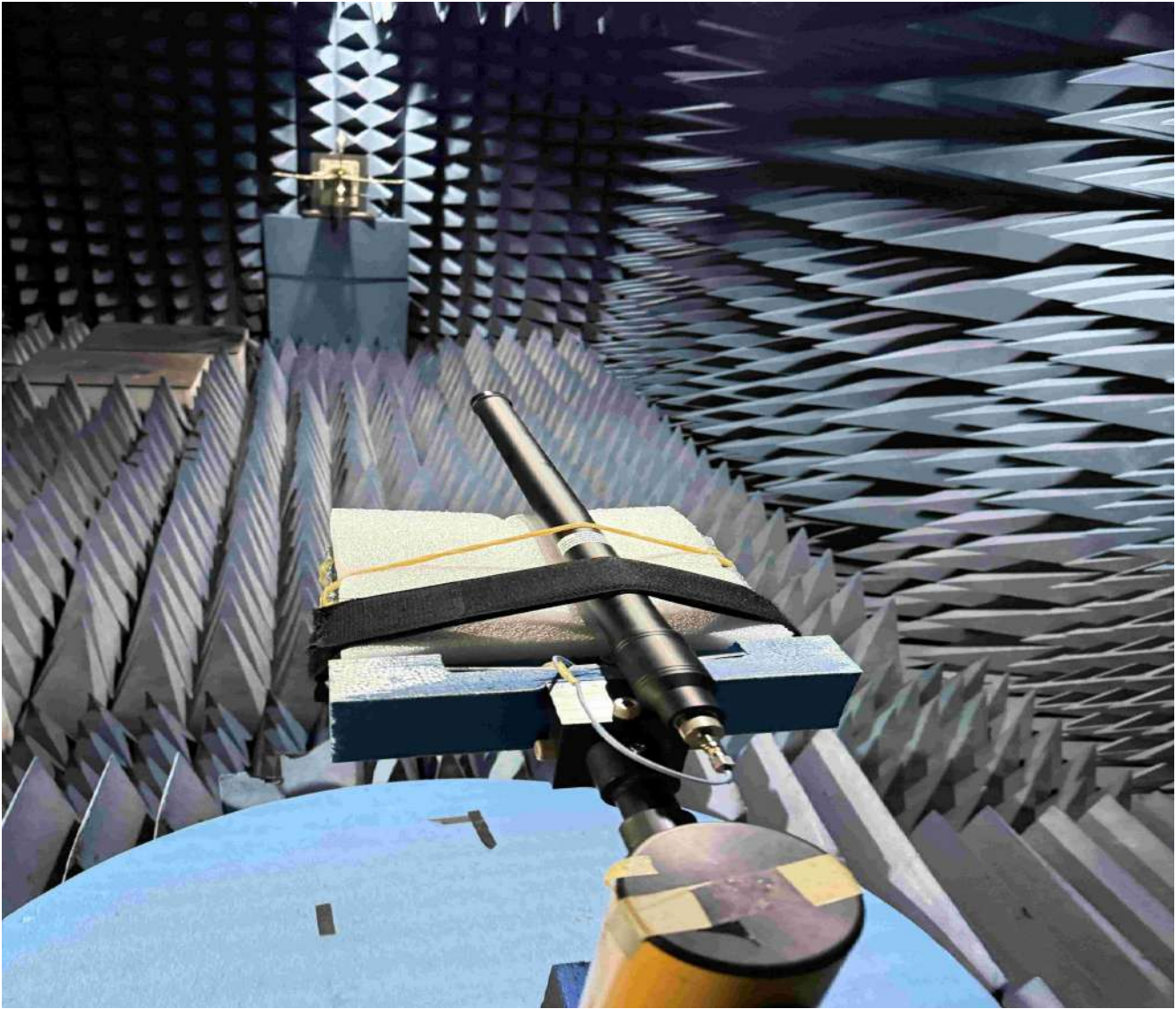
SAVE REGISTER [1]

CLEAR REGISTER [2]

STORE FILE [3]

PURGE FILE [4]

FORMAT DISK [8]

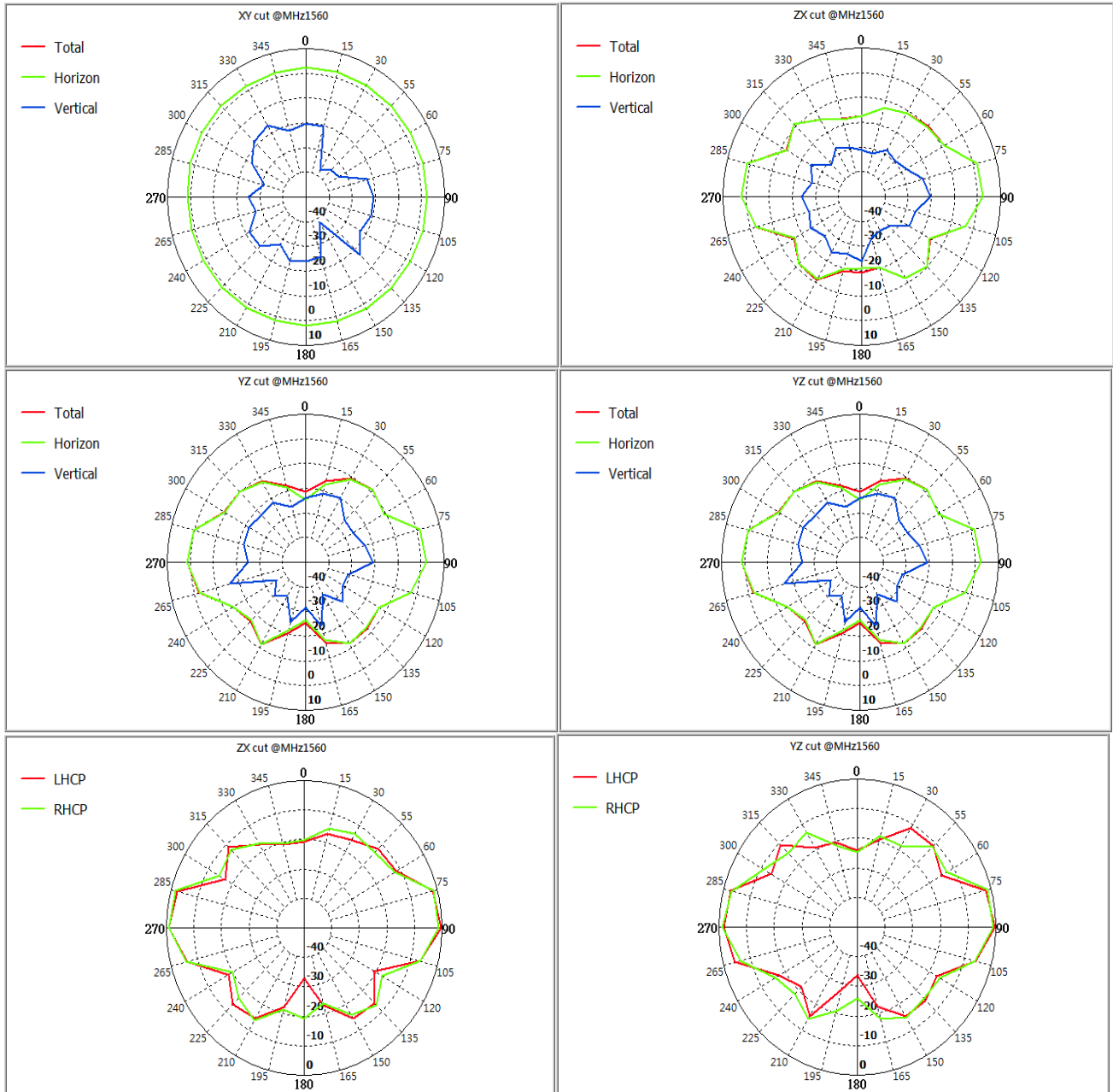


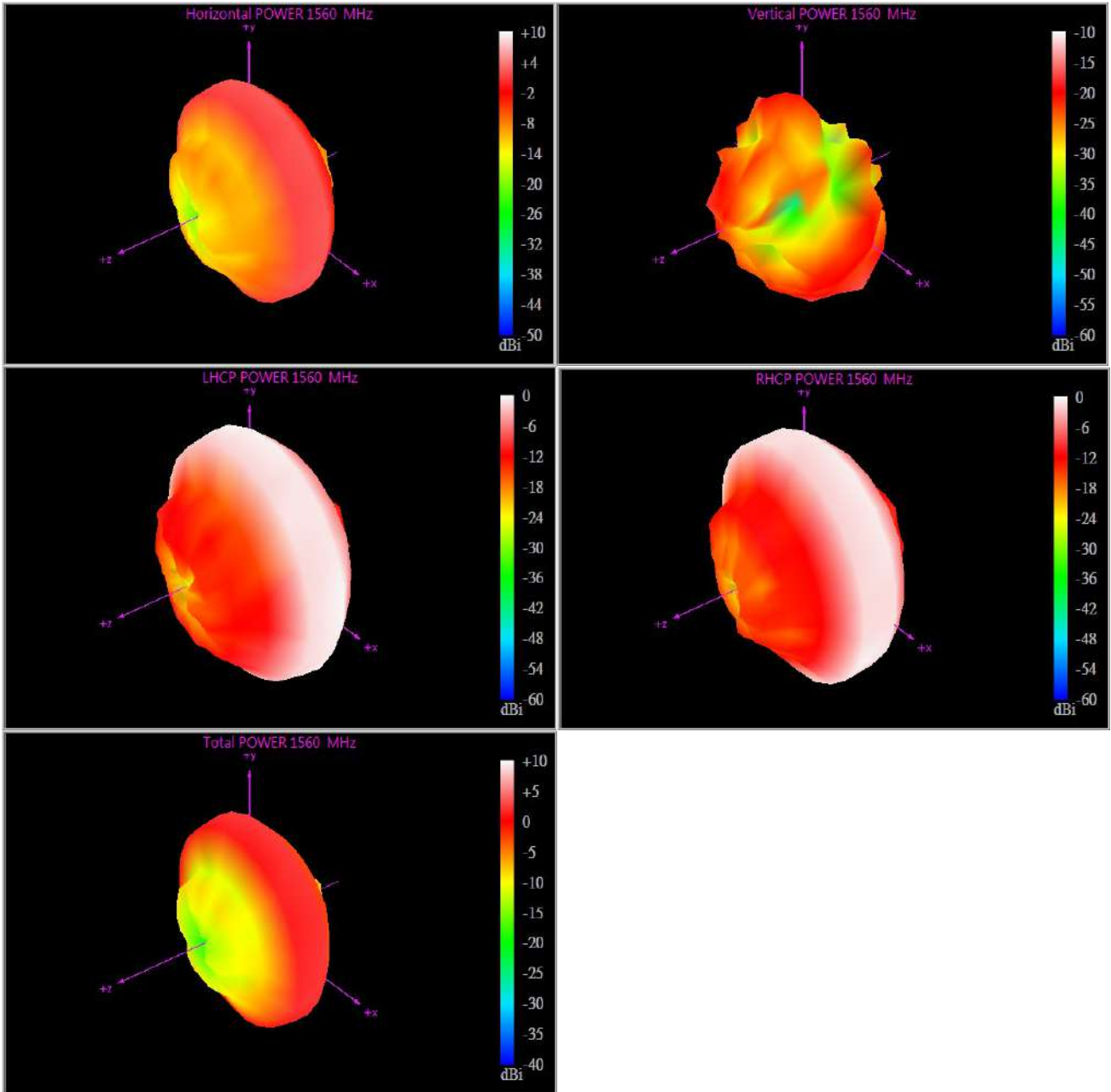
### 3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1250 MHz	-5.01	-2.89	-0.81	82.95	4.50	-0.81
1300 MHz	-4.82	-3.51	-1.10	77.54	3.89	-1.10
1350 MHz	-3.64	-2.67	-0.12	97.32	4.29	-0.12
1400 MHz	-3.36	-2.74	-0.03	99.42	4.35	-0.03
1450 MHz	-5.42	-7.17	-3.20	47.89	1.27	-3.20
1500 MHz	-4.52	-5.71	-2.07	62.10	2.38	-2.07
1510 MHz	-4.00	-5.71	-1.76	66.67	3.23	-1.76
1520 MHz	-5.60	-7.87	-3.58	43.84	1.62	-3.58
1530 MHz	-4.90	-7.29	-2.92	51.06	2.88	-2.92
1540 MHz	-4.84	-6.94	-2.76	53.03	3.25	-2.76
1550 MHz	-5.64	-7.31	-3.39	45.86	2.81	-3.39
1560 MHz	-5.65	-7.51	-3.47	44.95	2.49	-3.47
1570 MHz	-4.19	-6.35	-2.13	61.24	3.75	-2.13
1580 MHz	-4.30	-6.94	-2.41	57.44	3.55	-2.41

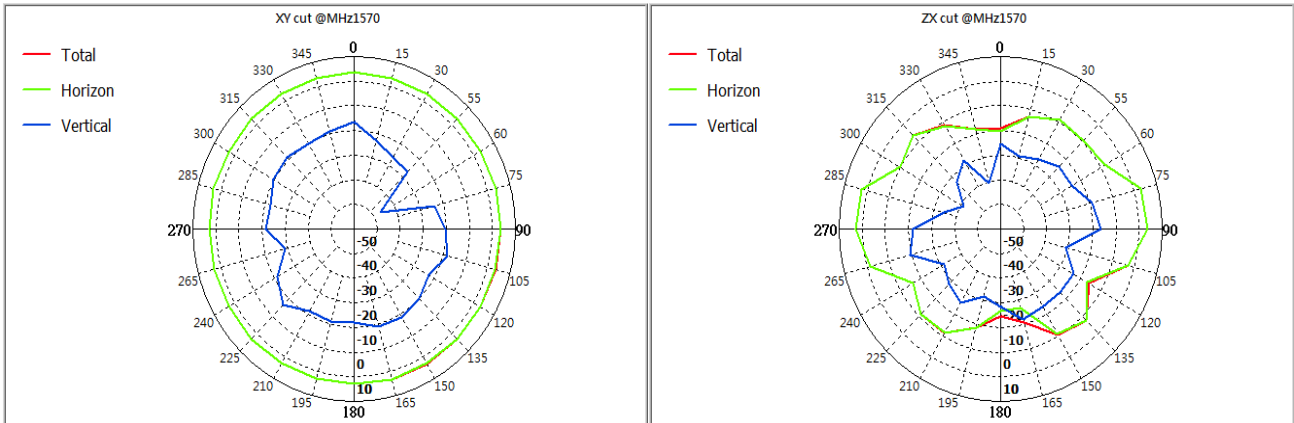
1590 MHz	-4.16	-7.30	-2.44	56.99	3.74	-2.44
1600 MHz	-3.89	-7.43	-2.30	58.92	4.36	-2.30
1610 MHz	-4.02	-7.93	-2.54	55.73	3.85	-2.54
1620 MHz	-3.89	-7.91	-2.44	56.98	4.30	-2.44
1630 MHz	-3.65	-7.79	-2.24	59.75	4.66	-2.24
1640 MHz	-3.87	-8.11	-2.48	56.49	4.12	-2.48
1650 MHz	-3.64	-7.85	-2.25	59.60	4.54	-2.25
1660 MHz	-3.75	-7.81	-2.31	58.70	4.22	-2.31
1670 MHz	-3.62	-7.68	-2.18	60.48	4.40	-2.18

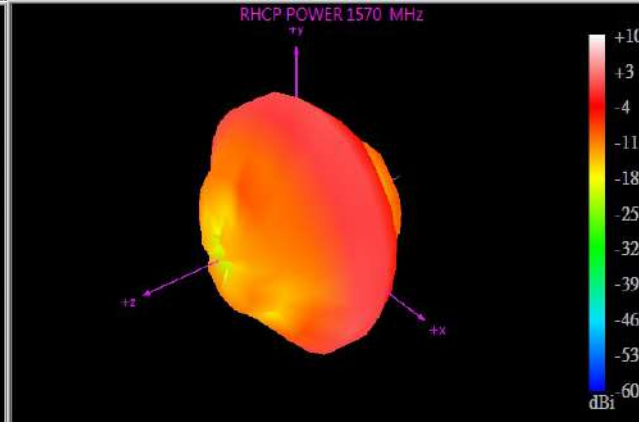
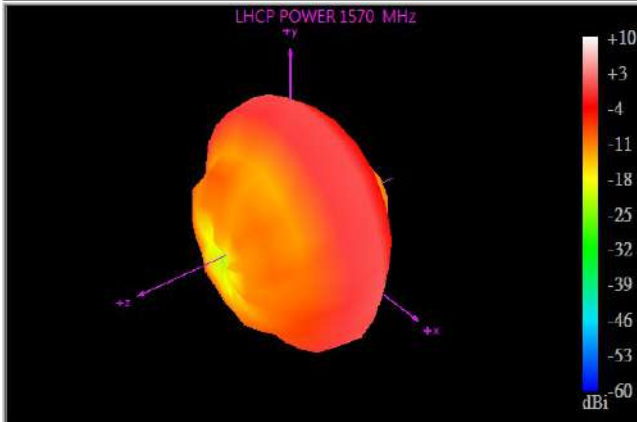
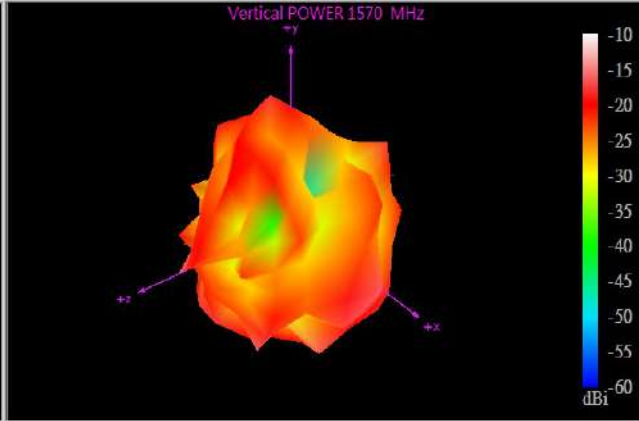
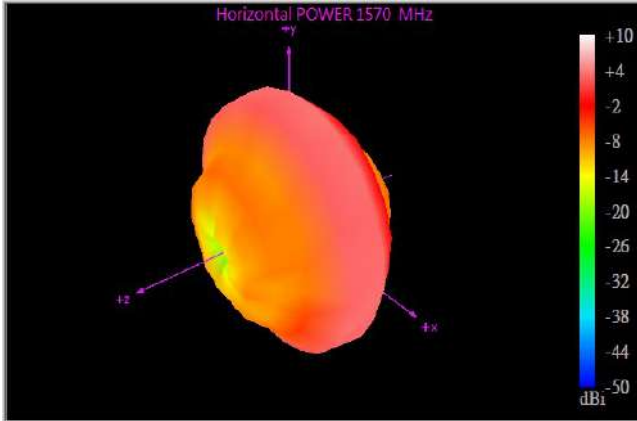
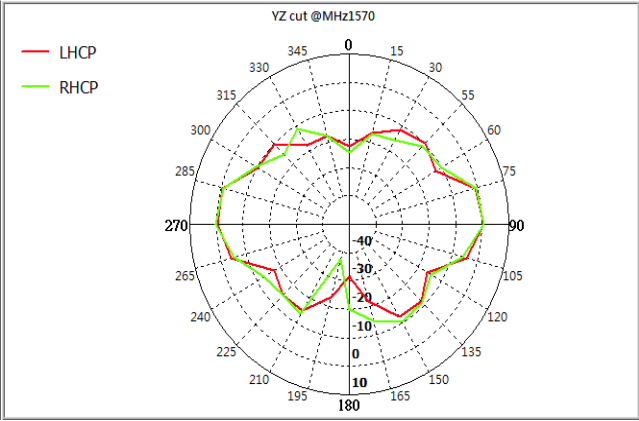
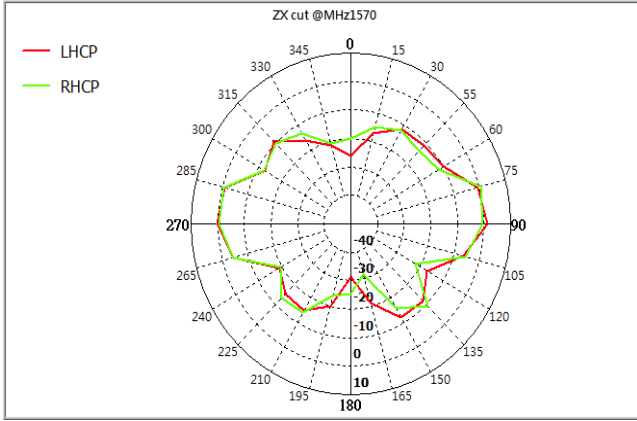
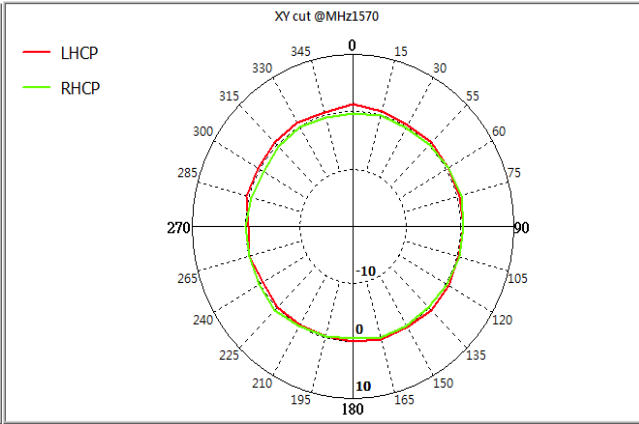
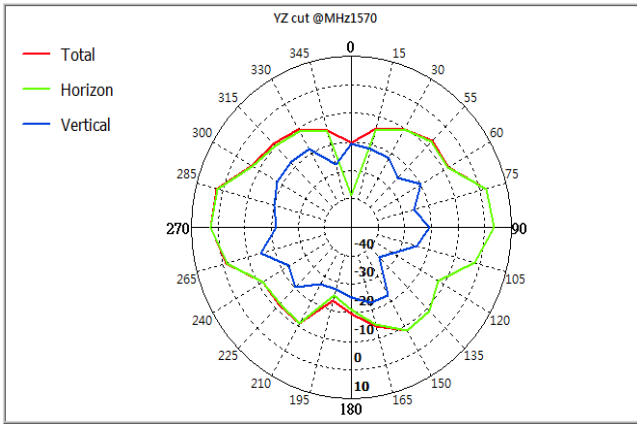
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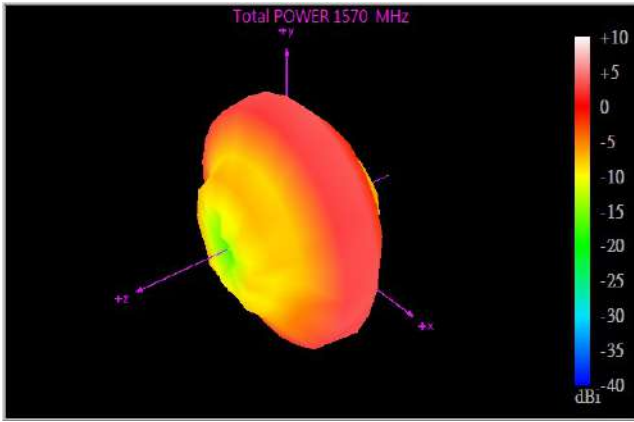




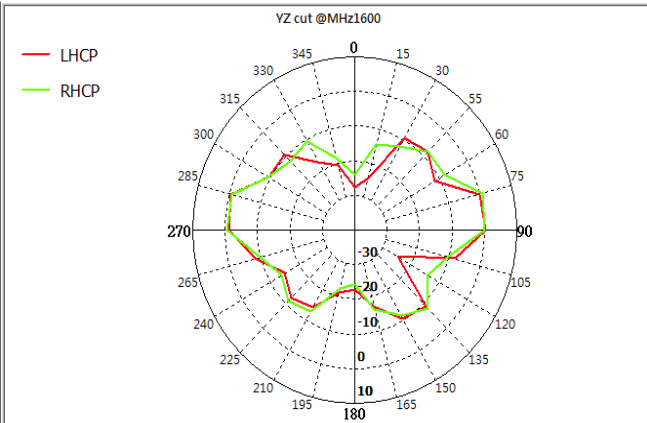
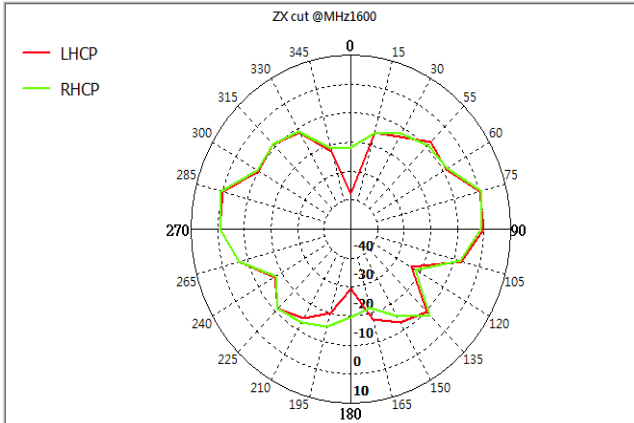
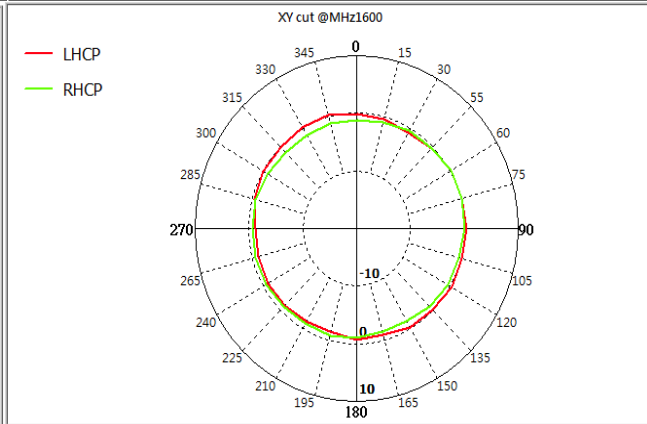
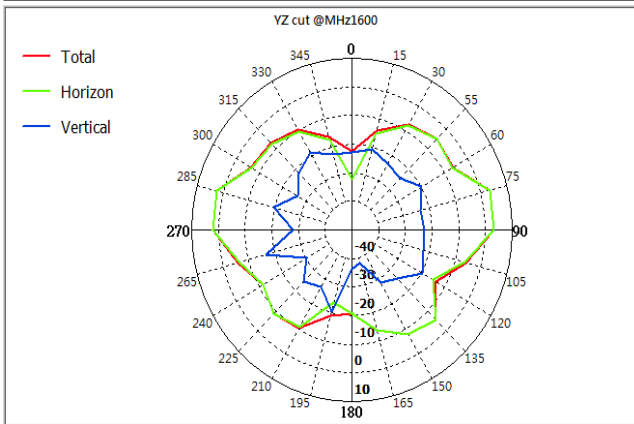
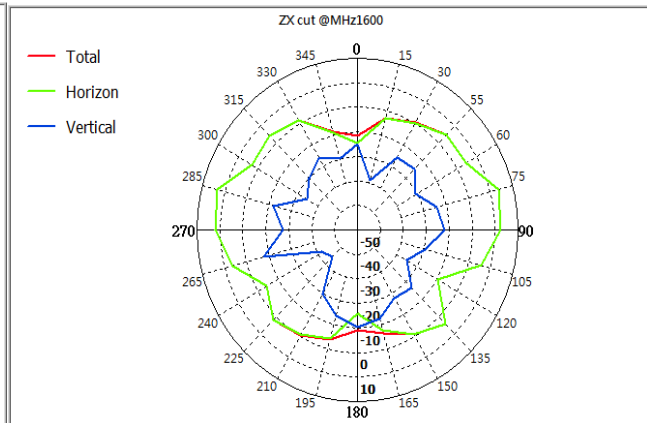
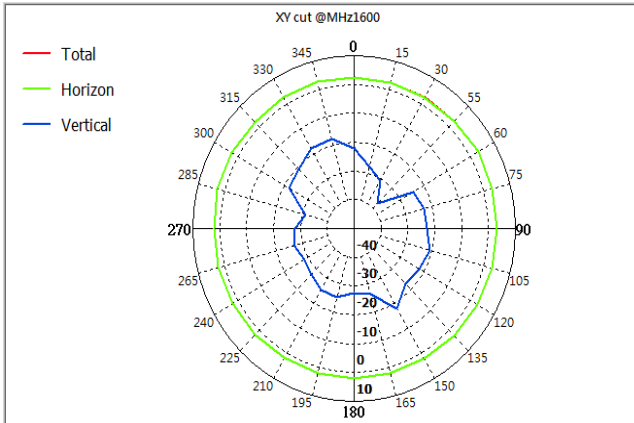
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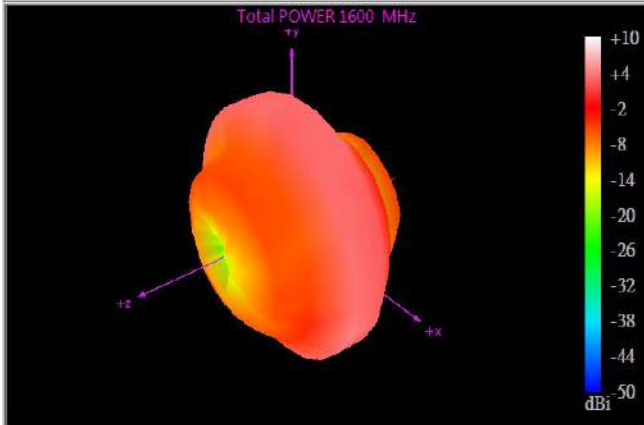
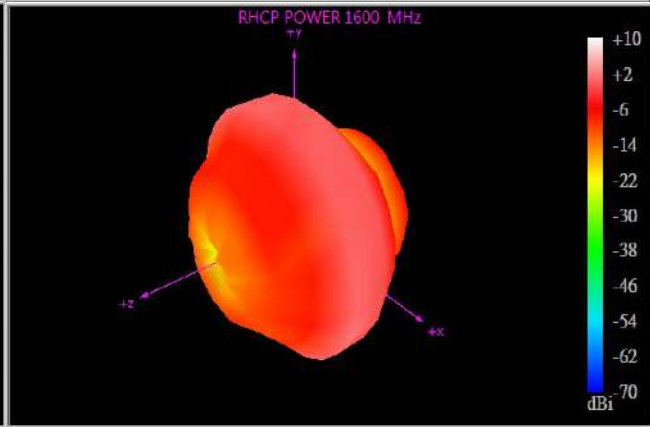
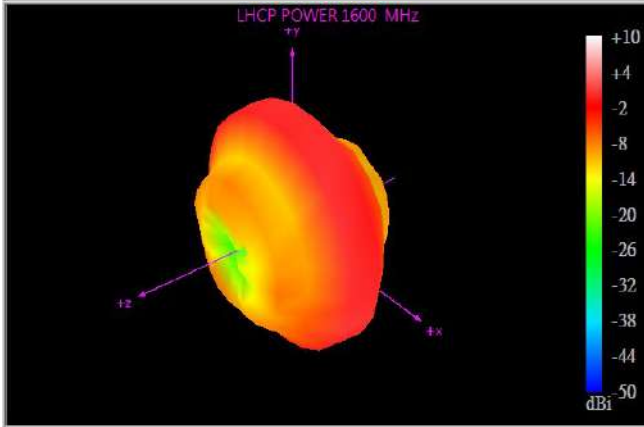
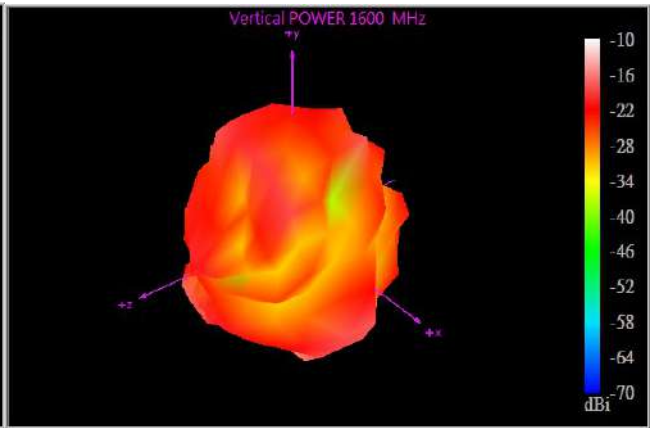
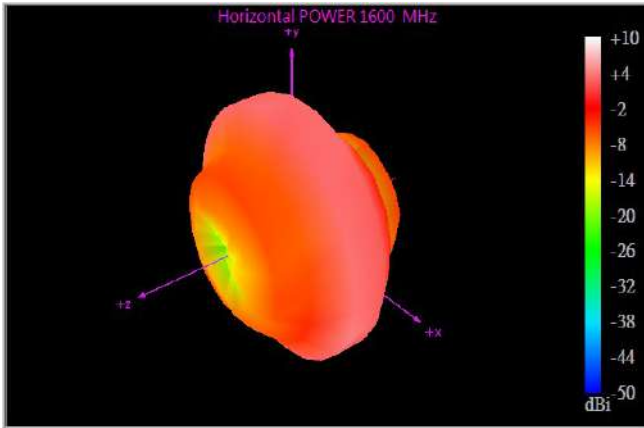




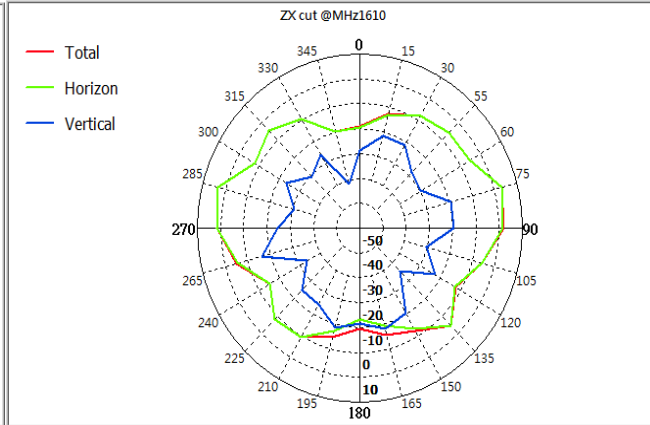
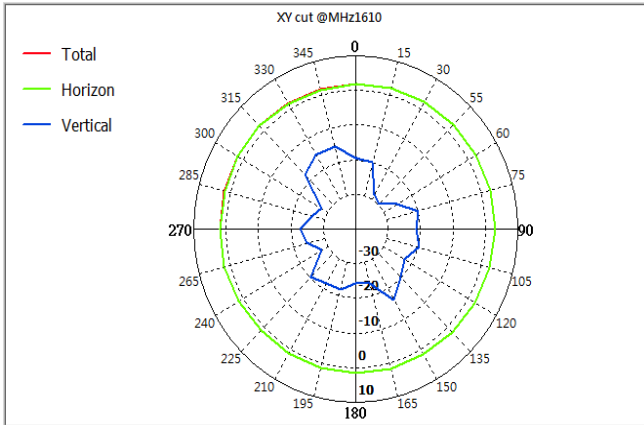


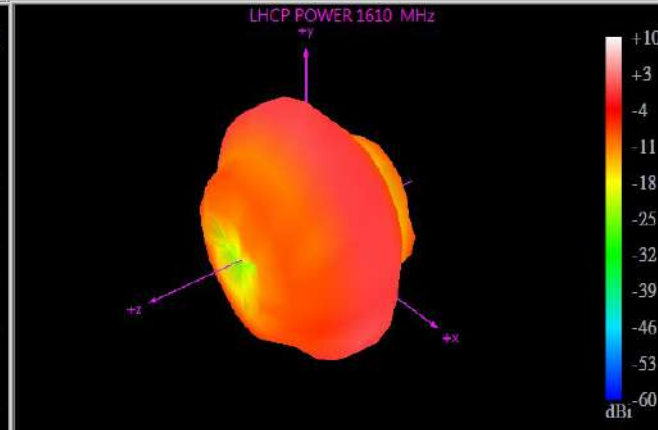
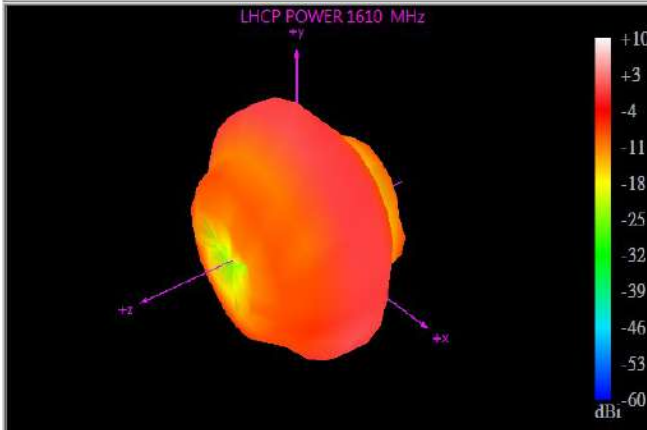
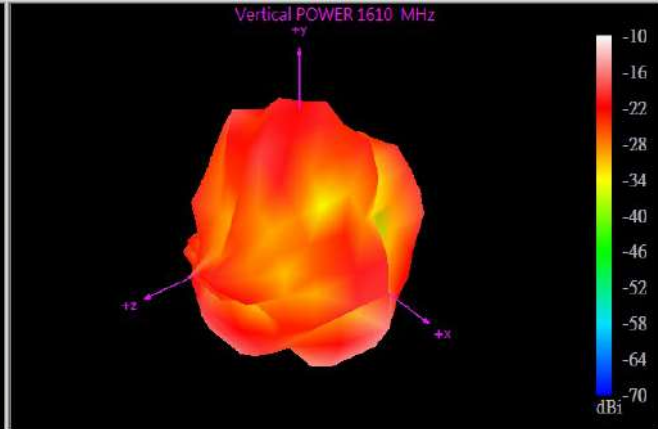
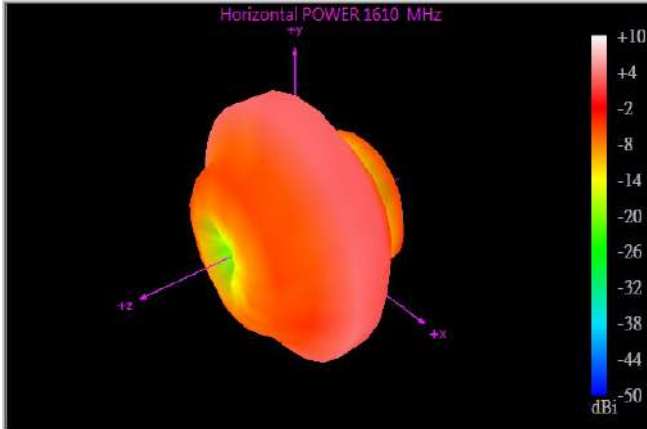
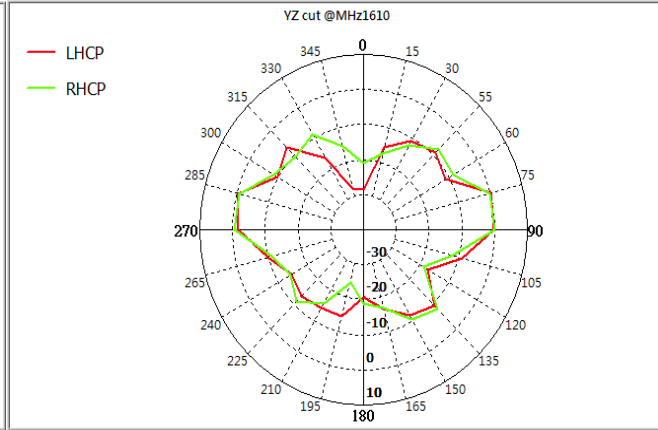
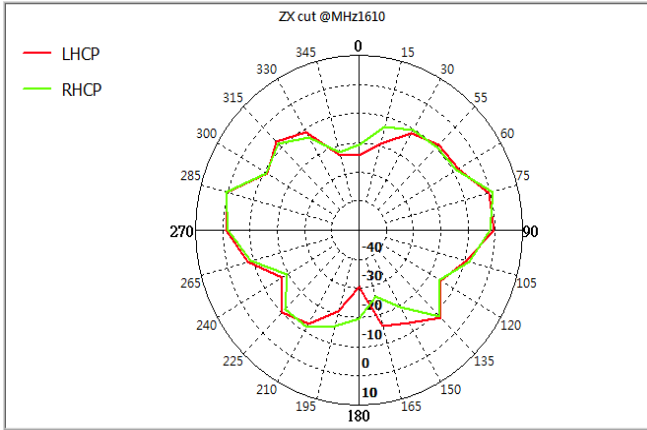
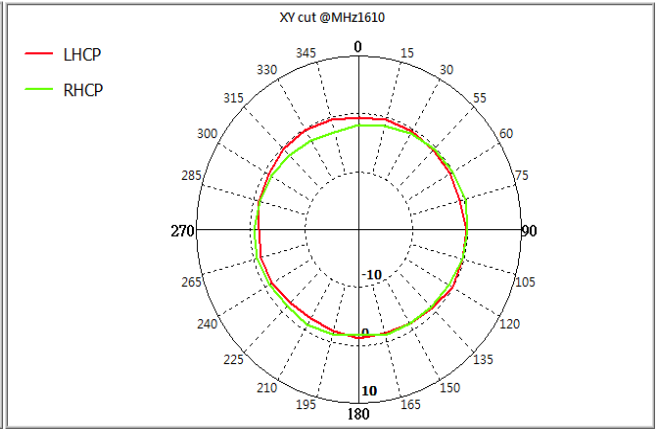
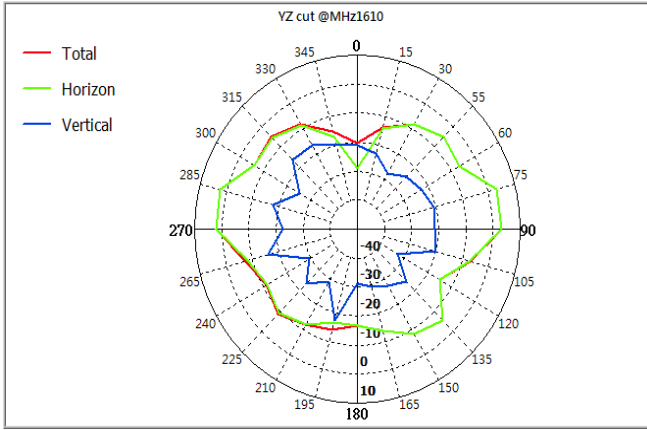
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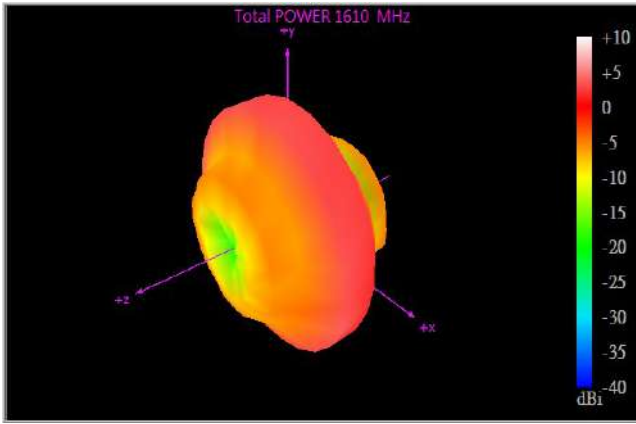




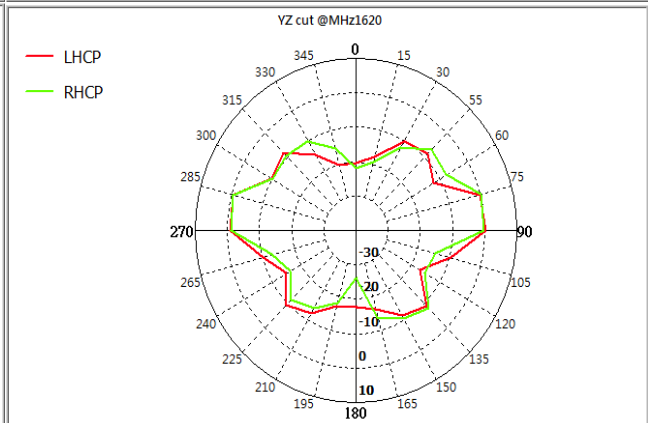
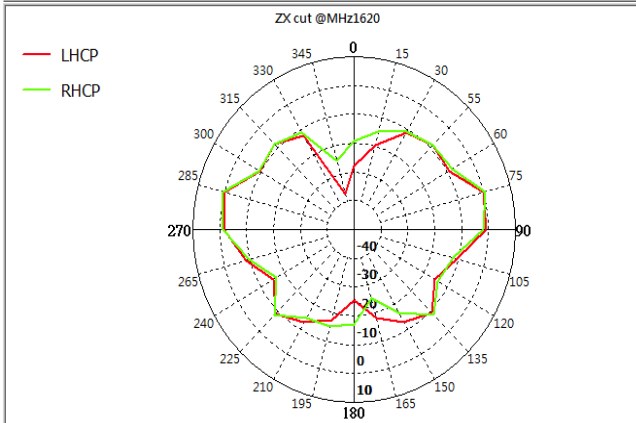
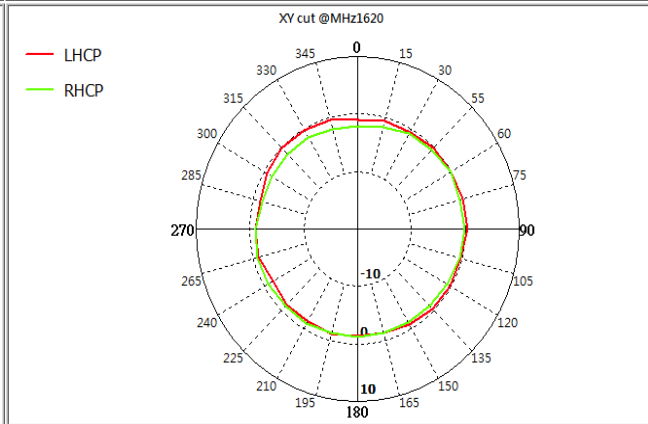
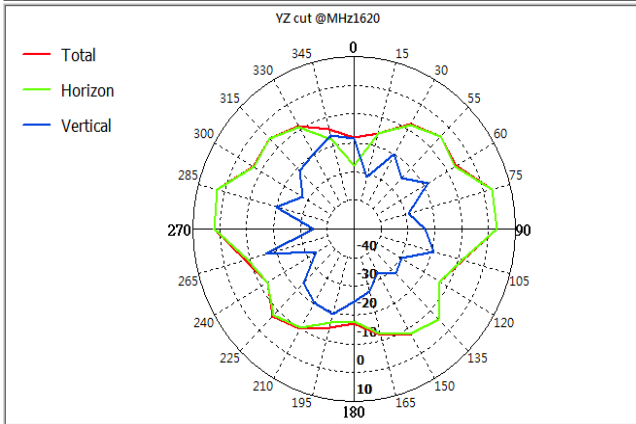
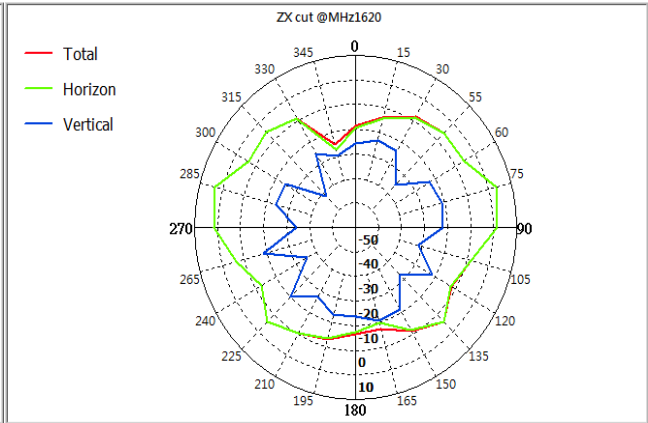
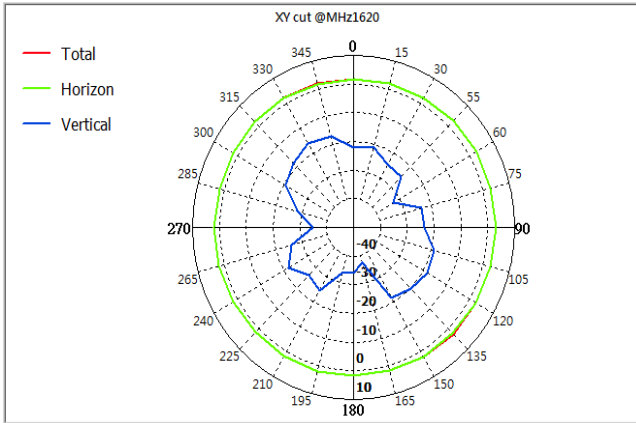
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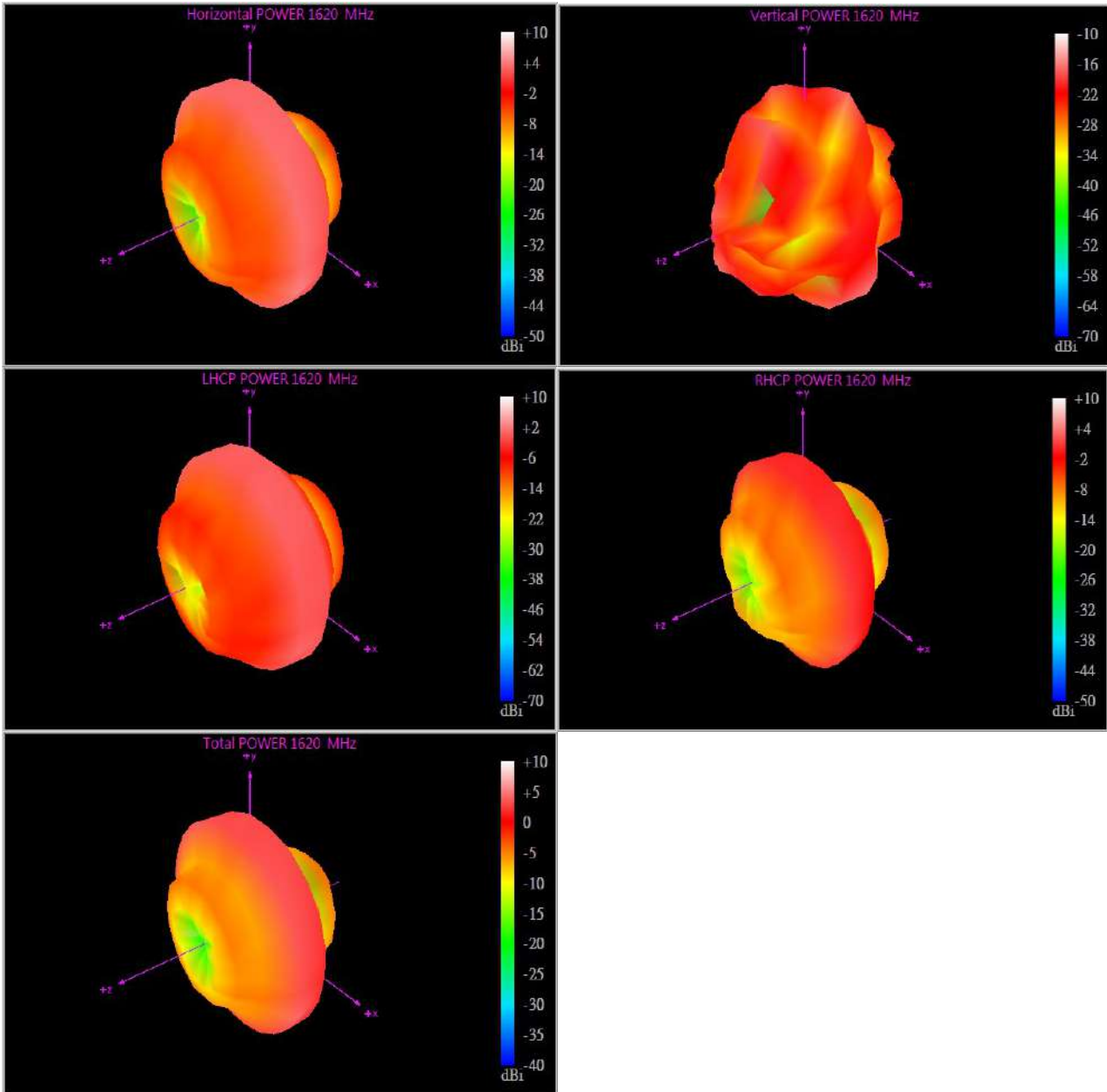






## 1620MHz:





### 1630Mhz:

