

4-axis Helix BDS/GNSS/Iridium Passive Antenna

MODEL: TH-1620C-SMA(M)



1.GENERAL DESCRIPTION

P/N
Model : TH-1620C-SMA(M)

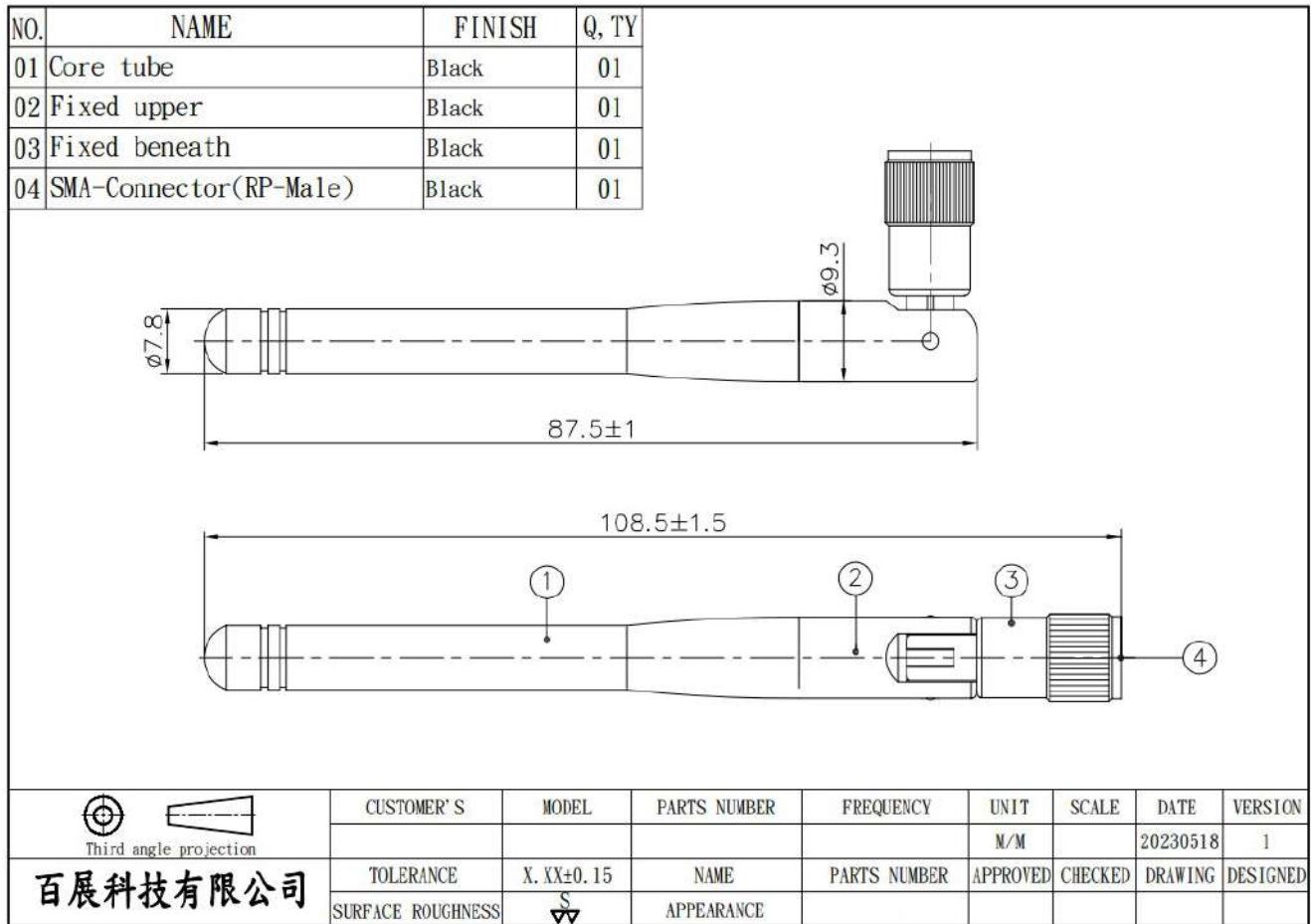
1.1 Electrical Properties

Parameter	Description
Frequency Band	1550~1750GHz
Nominal Impedance	50 ohm
Polarization	R.H.C.P. 4-axis Ceramic helix antenna
V.S.W.R	2.0:1
Gain	2dbi

1.2 Mechanical Properties

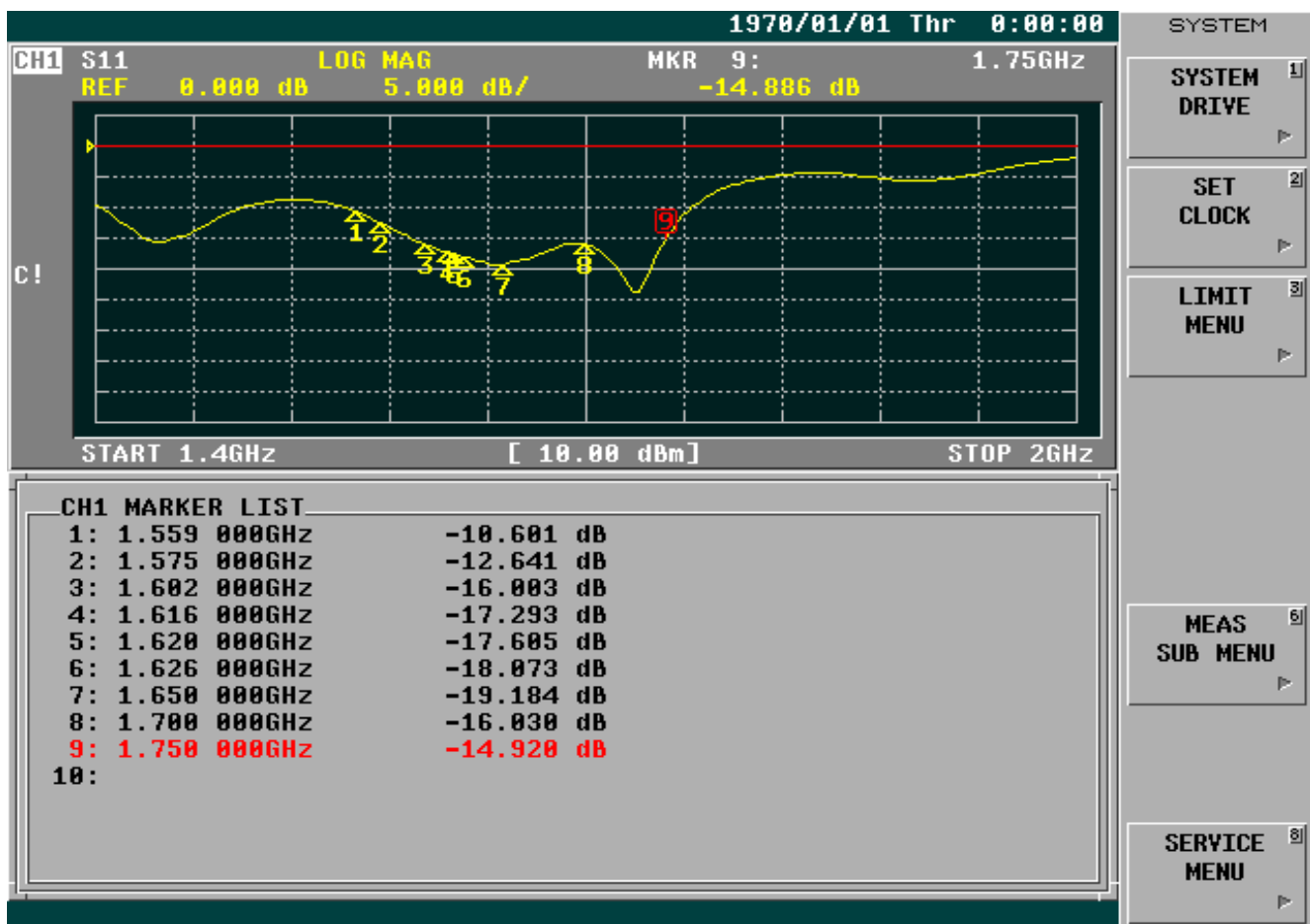
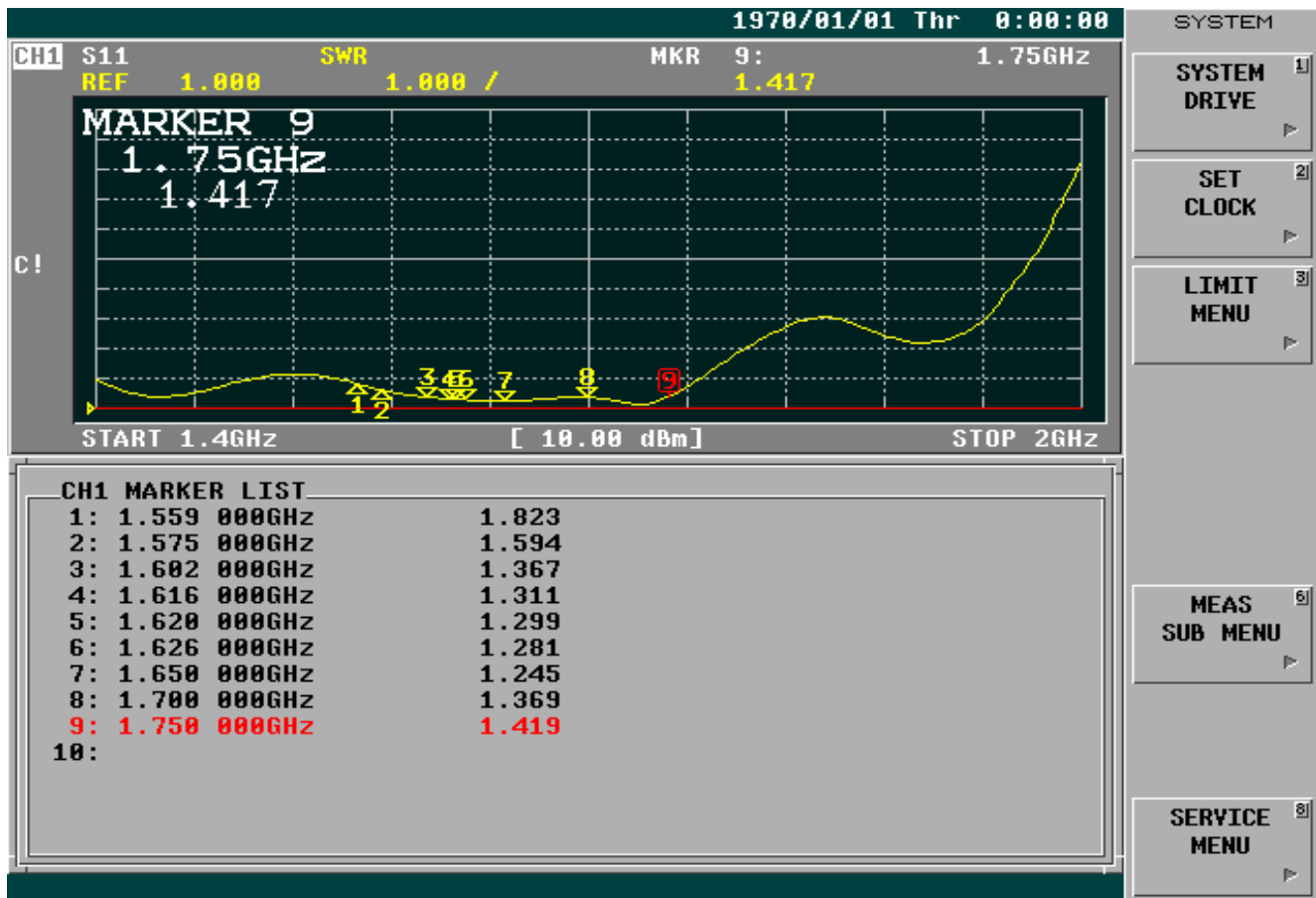
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	SMA 180°(Male) for RG178 Cable
Antenna Dimensions	108.5mm±1.5
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

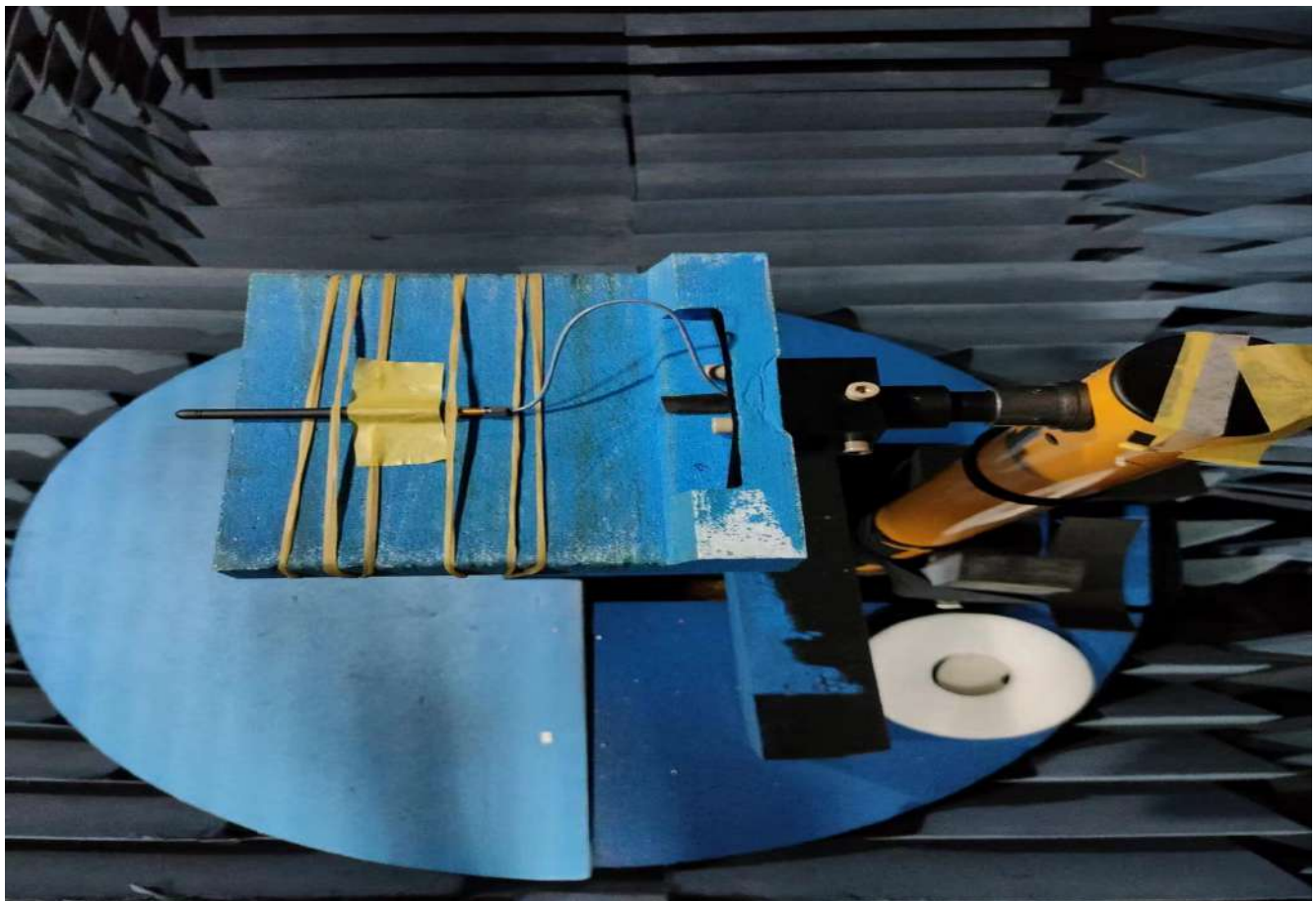
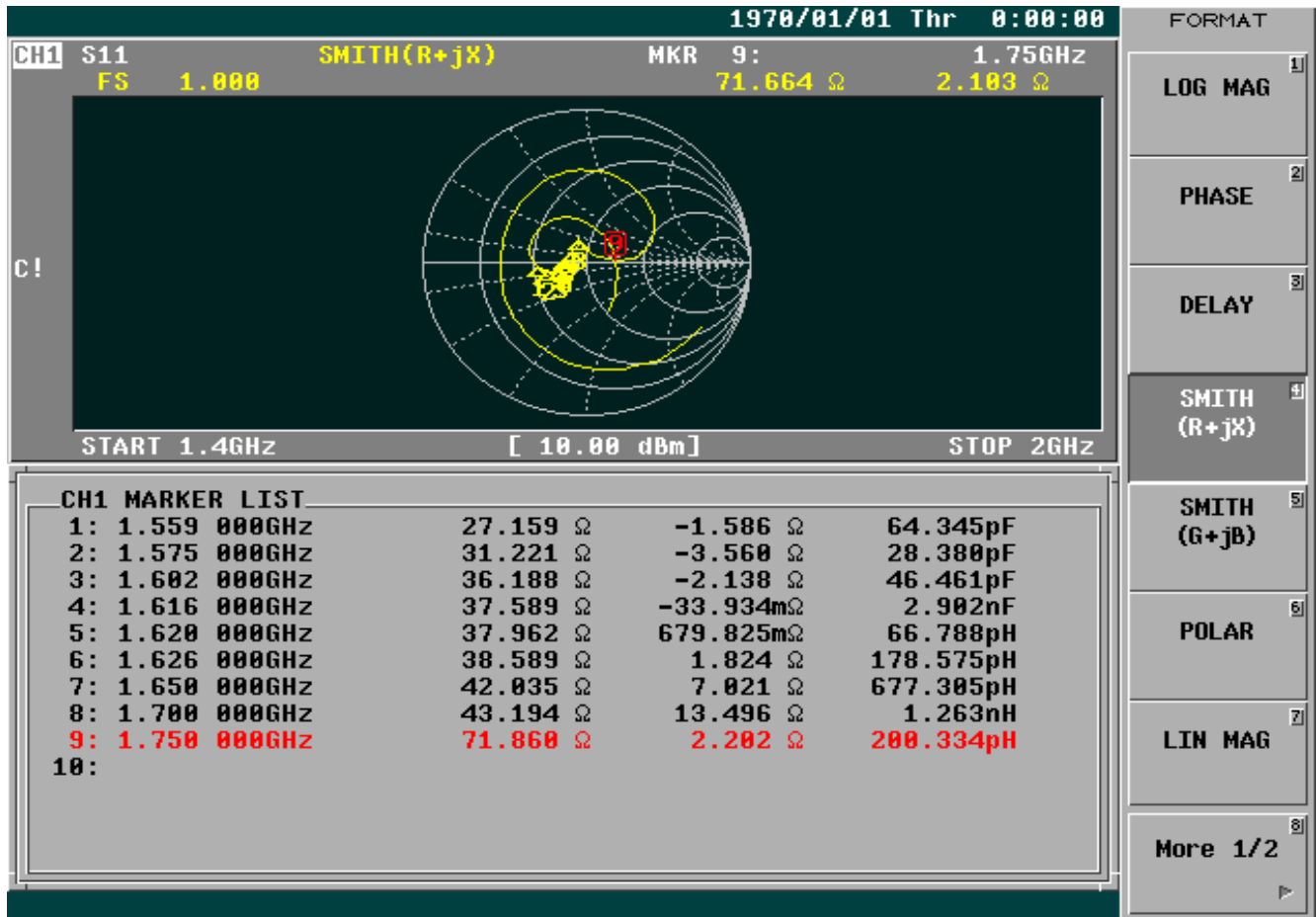
2. APPEARANCE:



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



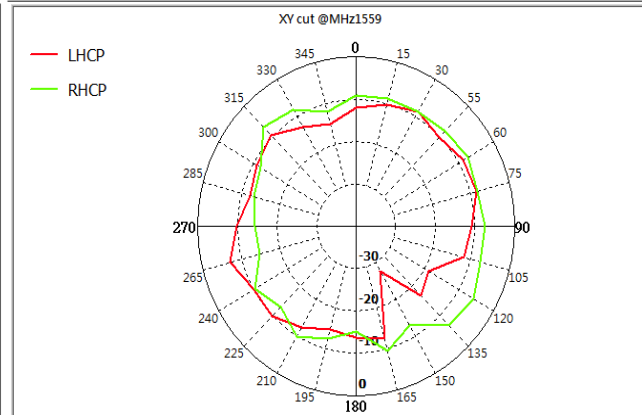
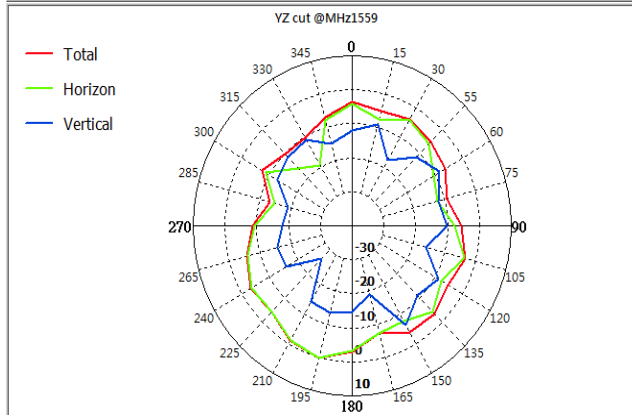
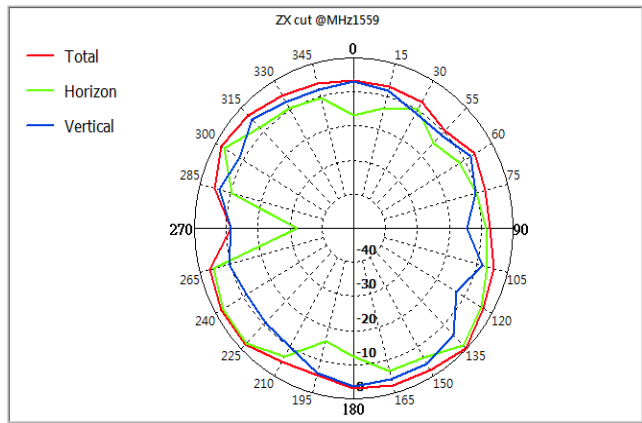
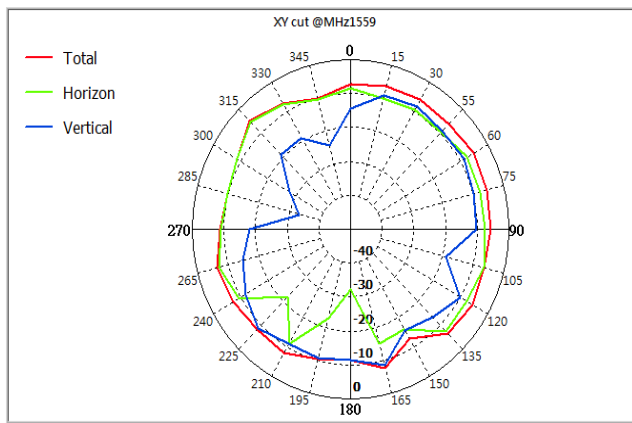


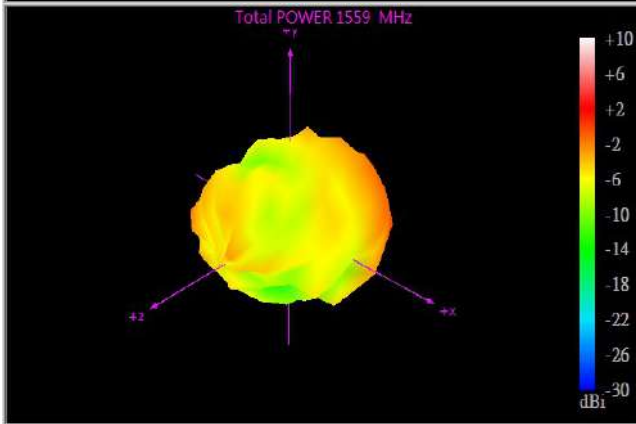
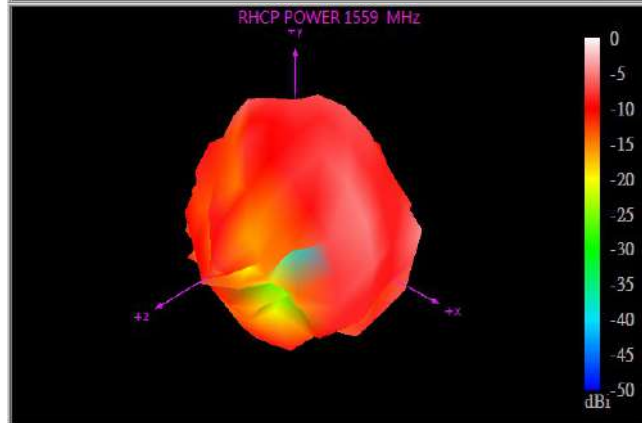
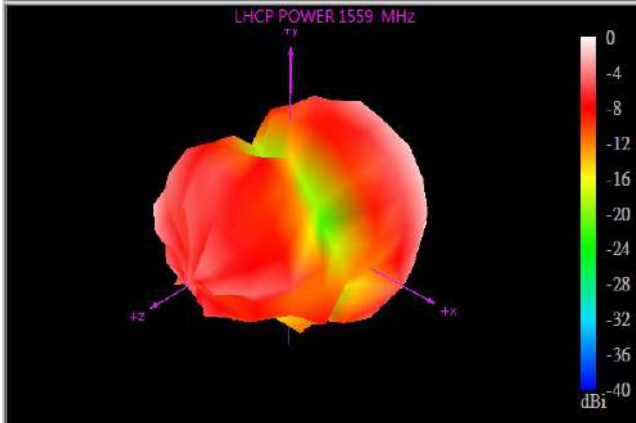
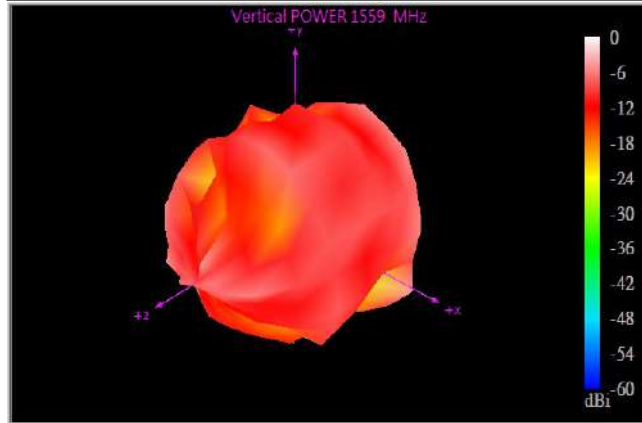
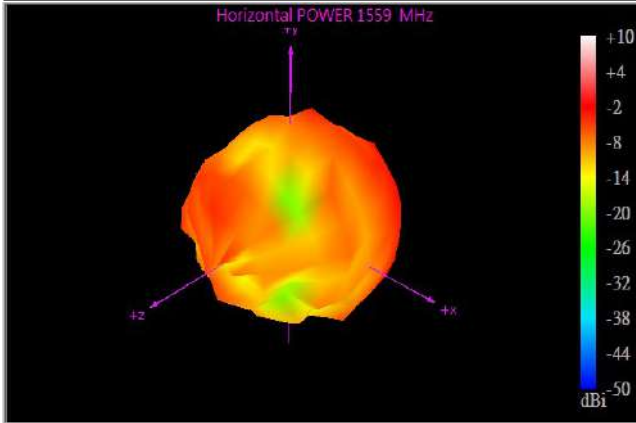
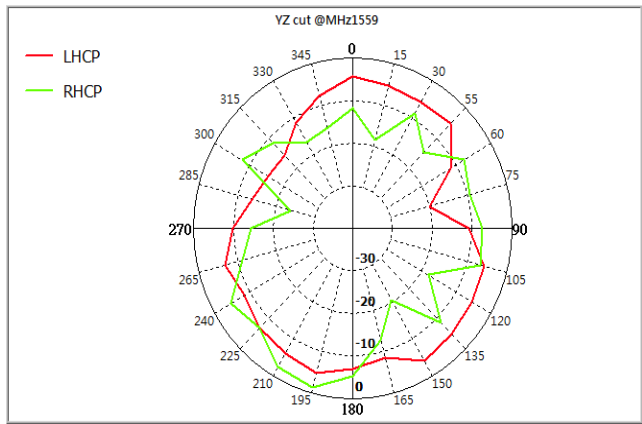
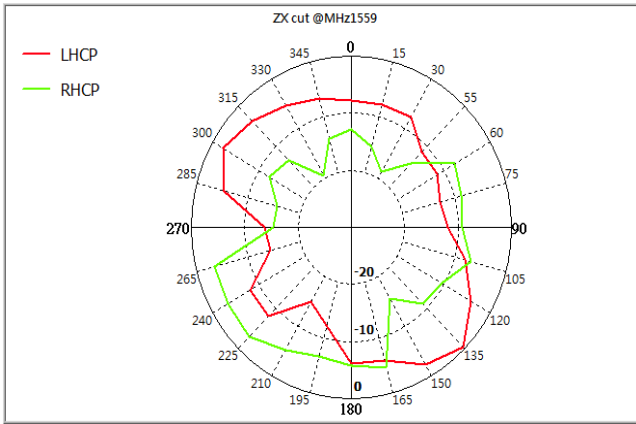


3D Total

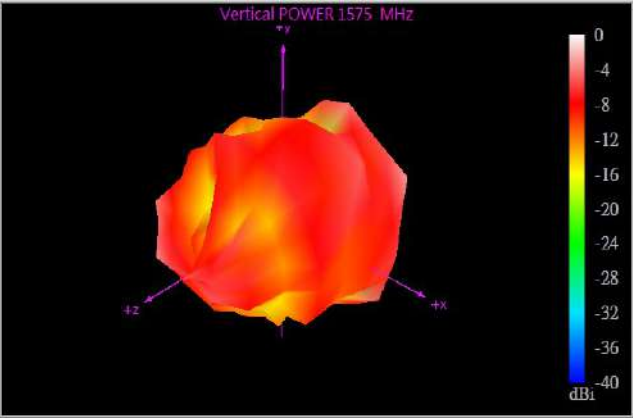
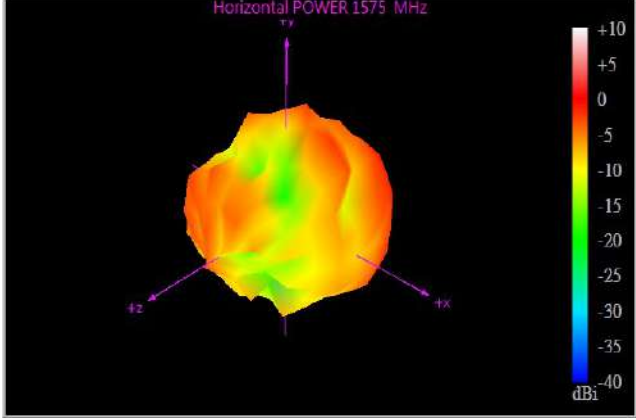
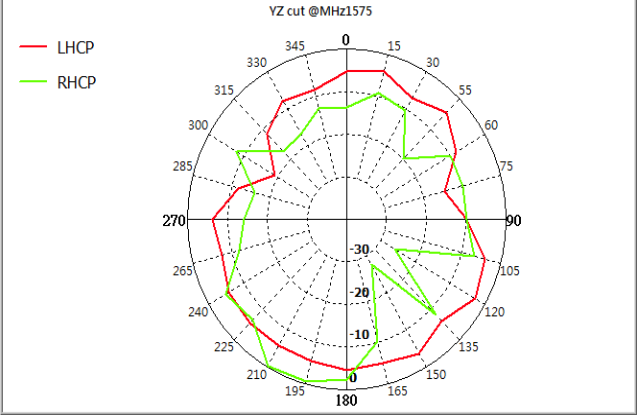
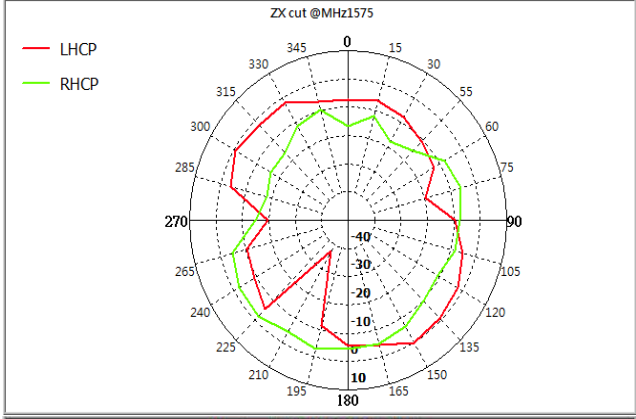
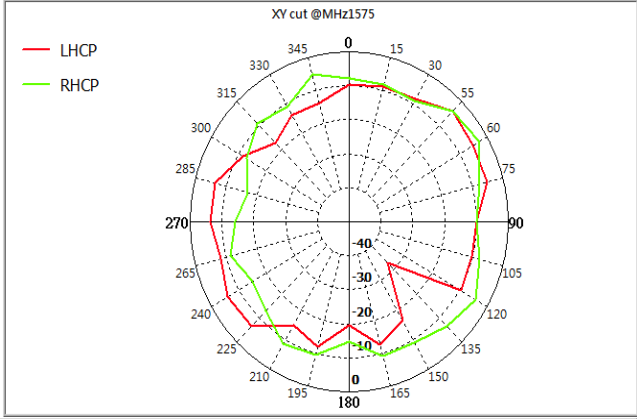
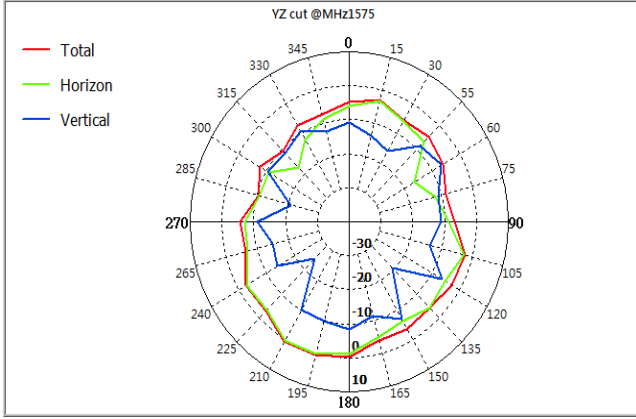
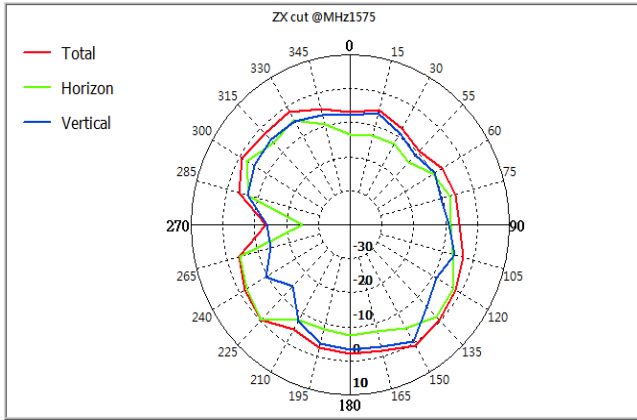
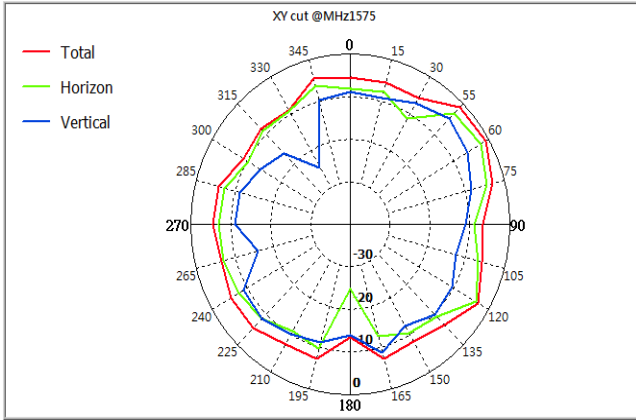
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1550 MHz	-9.77	-6.56	-4.86	32.65	1.25	-4.86
1559 MHz	-9.66	-6.62	-4.87	32.57	0.63	-4.87
1561 MHz	-9.41	-6.59	-4.76	33.38	1.10	-4.76
1570 MHz	-8.39	-5.09	-3.42	45.47	2.12	-3.42
1575 MHz	-8.44	-5.52	-3.73	42.37	1.87	-3.73
1602 MHz	-8.68	-5.35	-3.69	42.72	1.94	-3.69
1616 MHz	-8.83	-5.44	-3.80	41.69	1.96	-3.80
1620 MHz	-8.93	-5.61	-3.95	40.29	1.42	-3.95
1626 MHz	-9.03	-5.67	-4.02	39.61	2.67	-4.02
1630 MHz	-8.88	-5.51	-3.86	41.08	3.00	-3.86
1640 MHz	-8.66	-5.50	-3.79	41.80	2.32	-3.79
1650 MHz	-8.67	-5.15	-3.56	44.08	2.89	-3.56
1700 MHz	-7.96	-4.77	-3.07	49.34	3.73	-3.07
1750 MHz	-7.68	-4.31	-2.67	54.11	3.92	-2.67

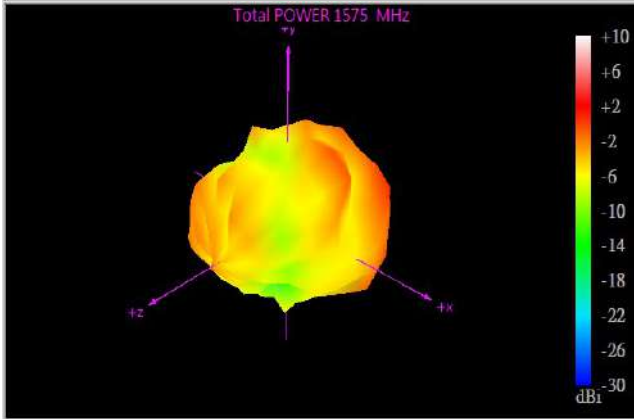
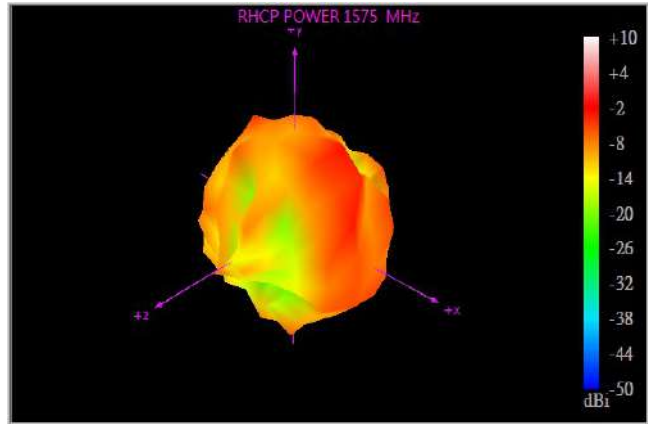
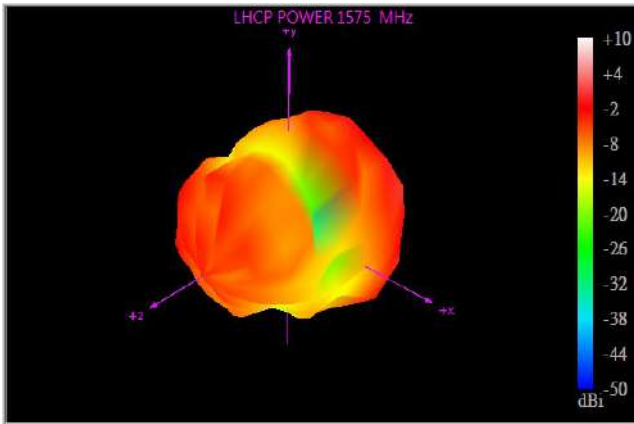
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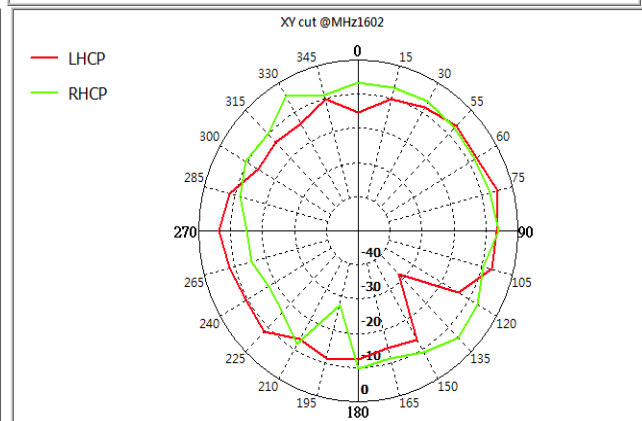
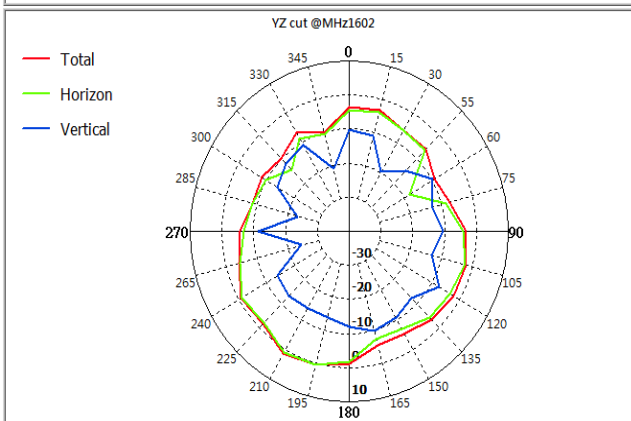
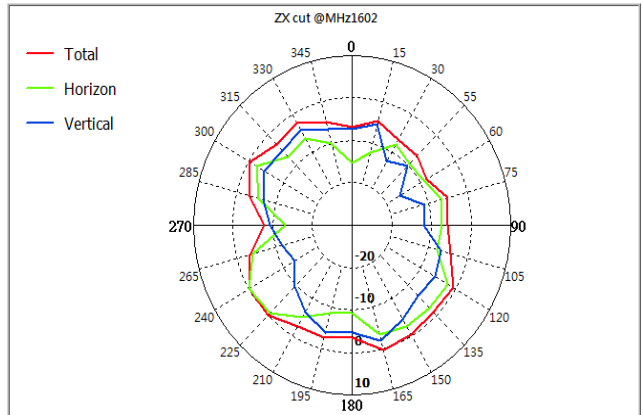
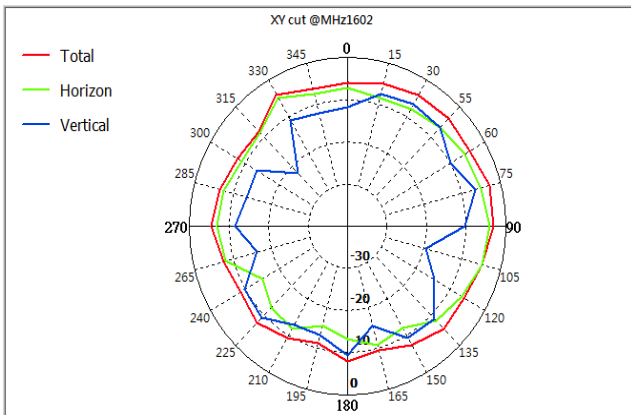


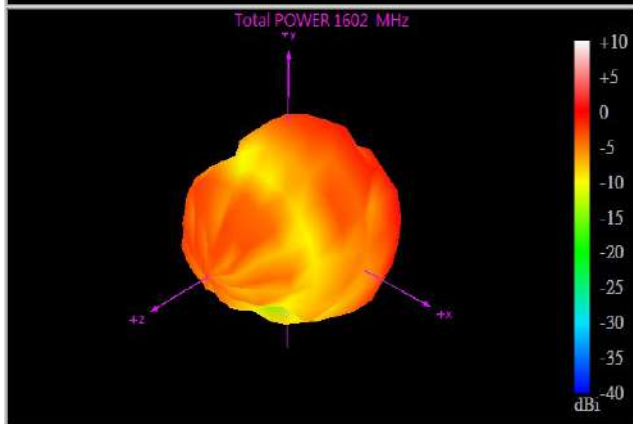
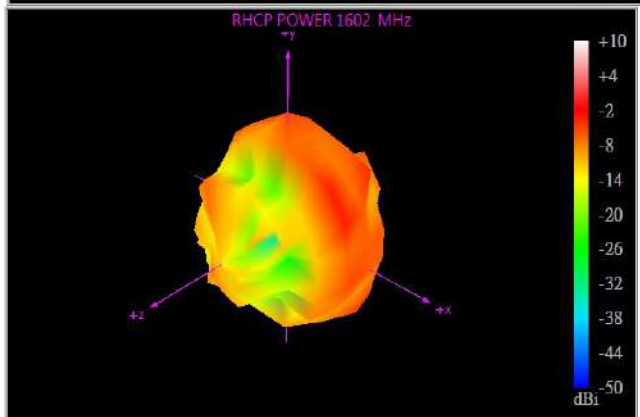
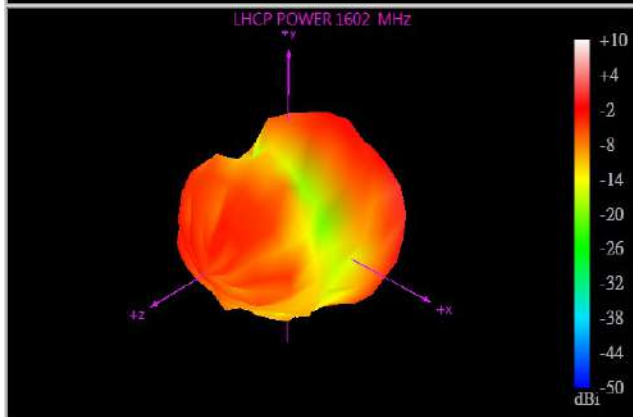
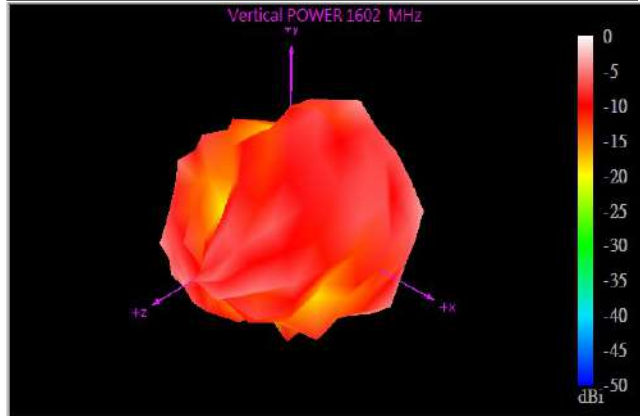
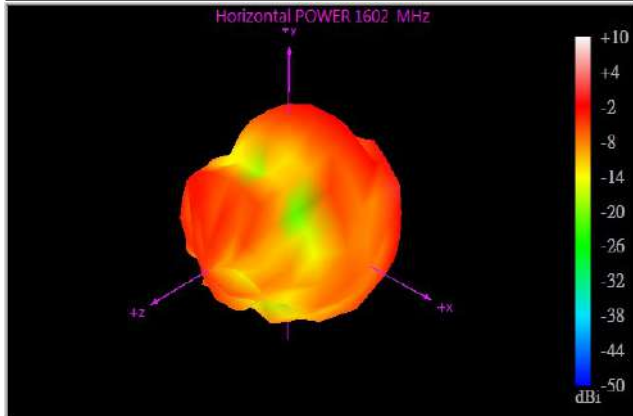
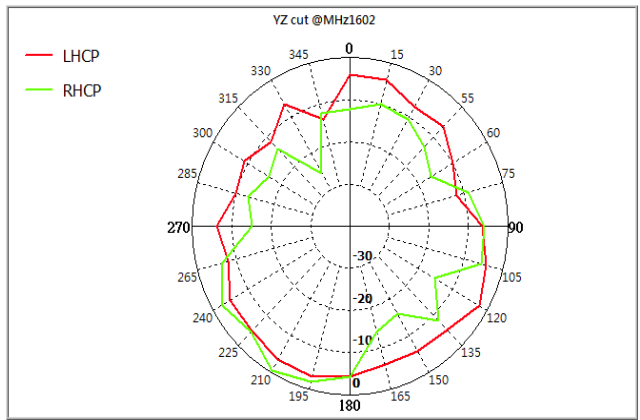
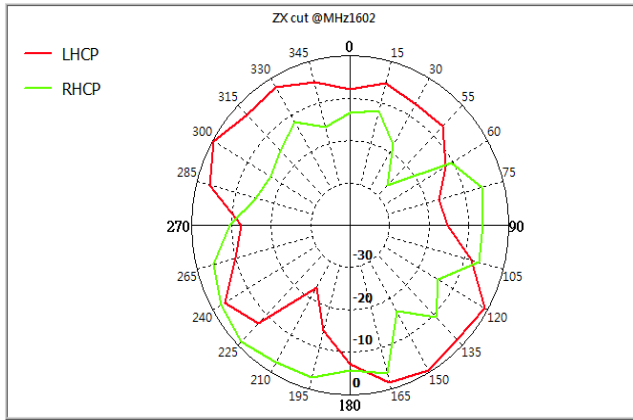
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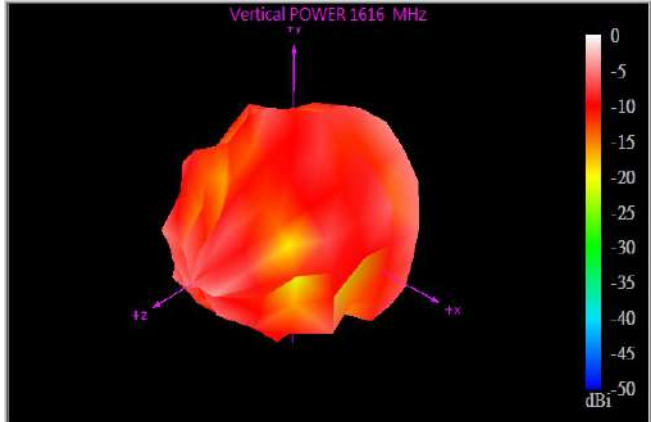
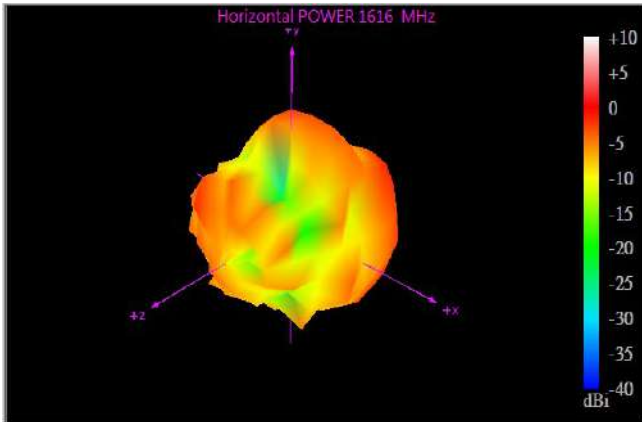
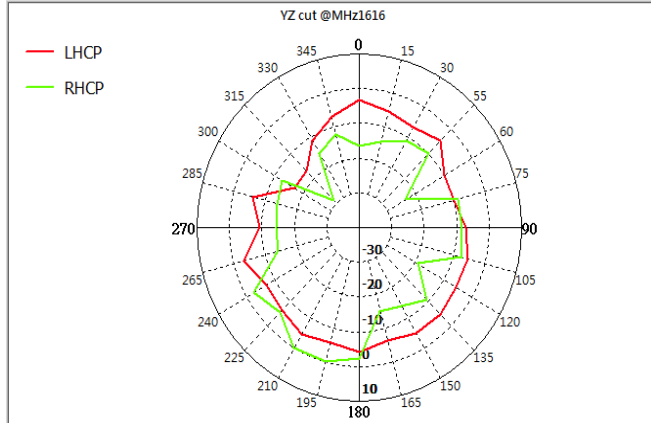
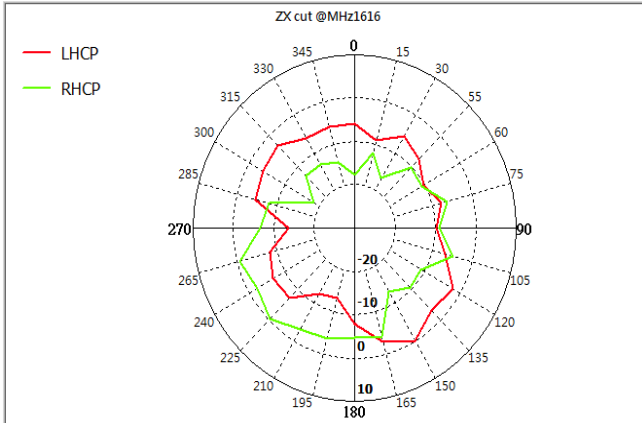
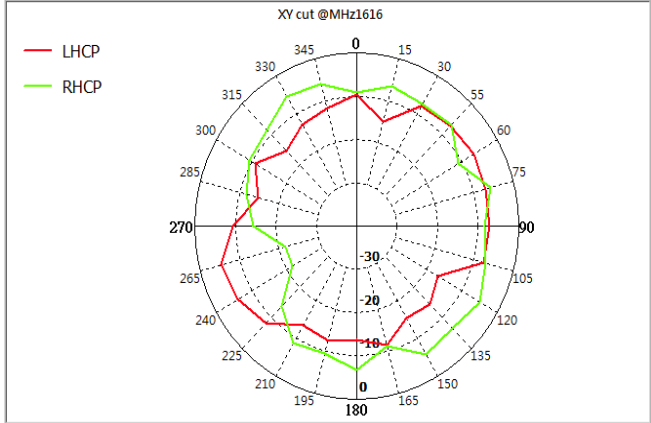
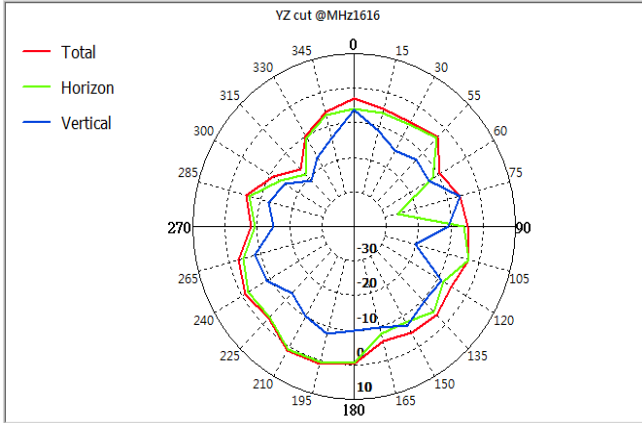
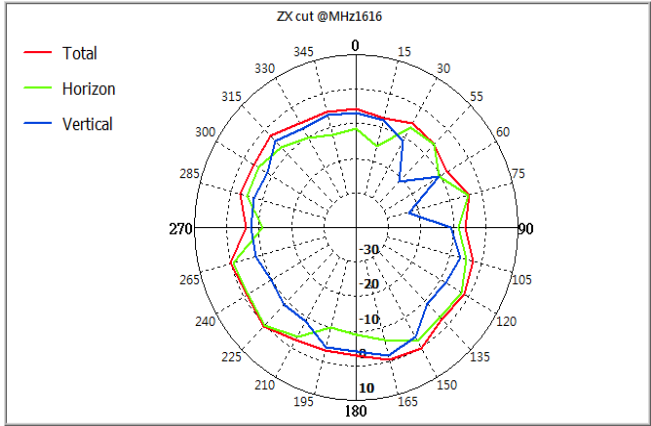
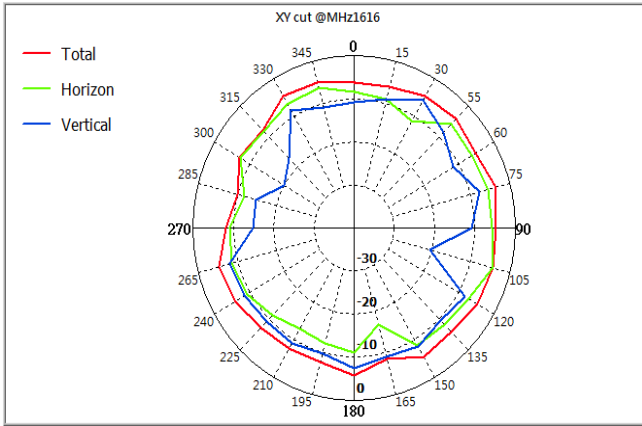


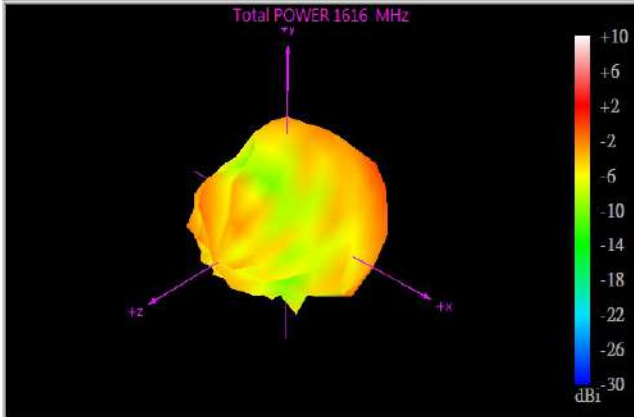
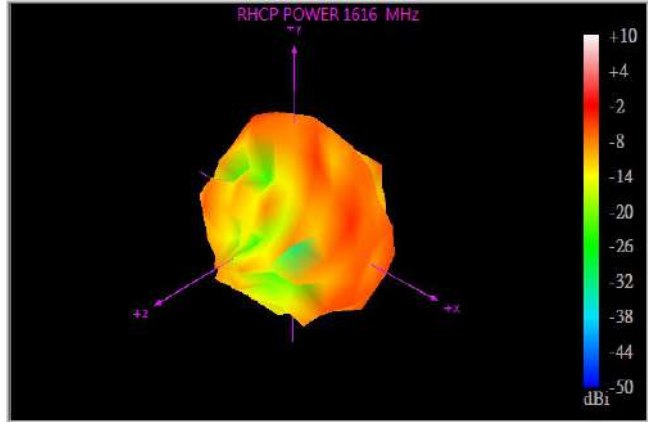
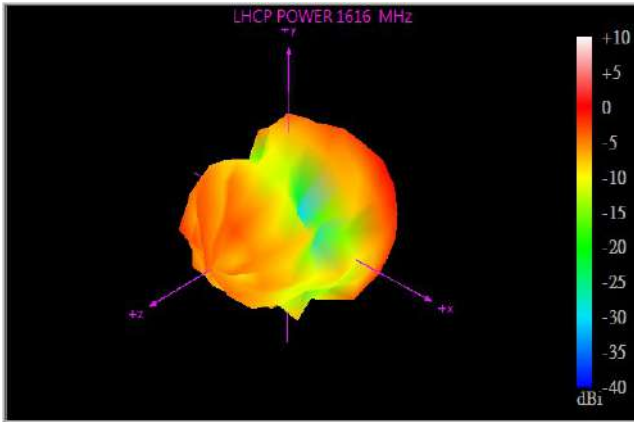
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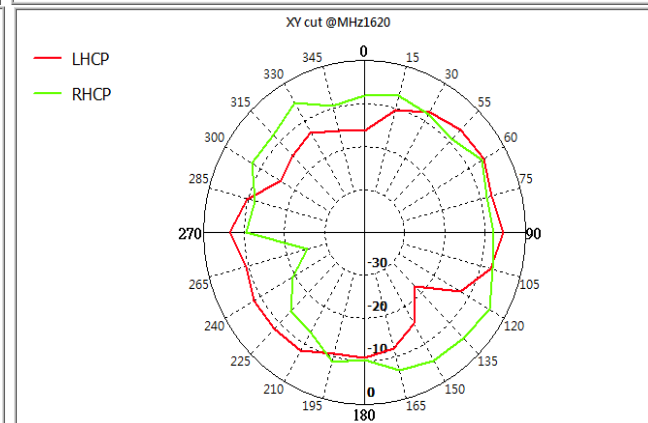
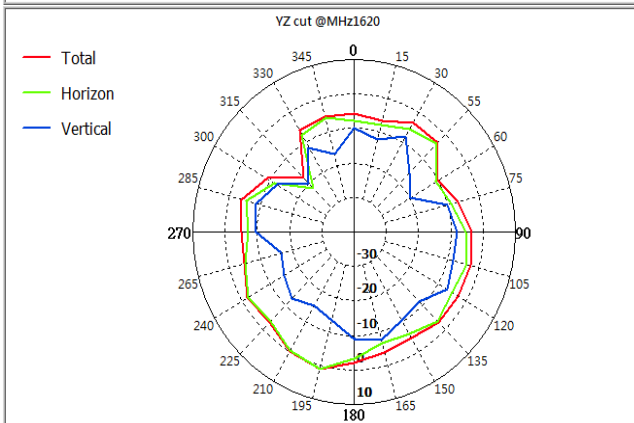
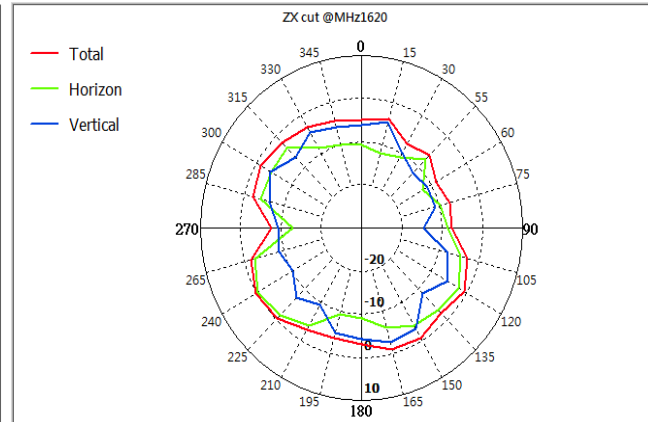
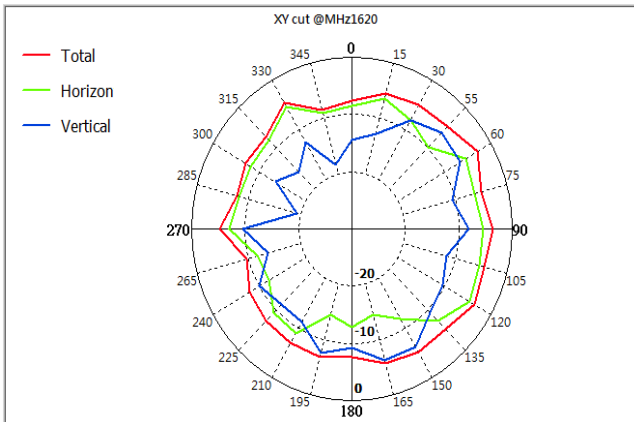


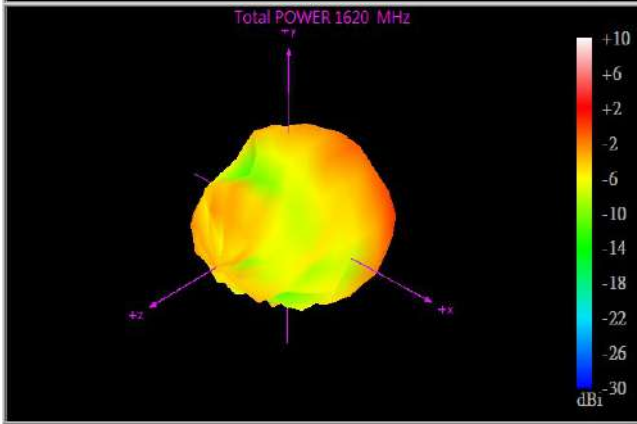
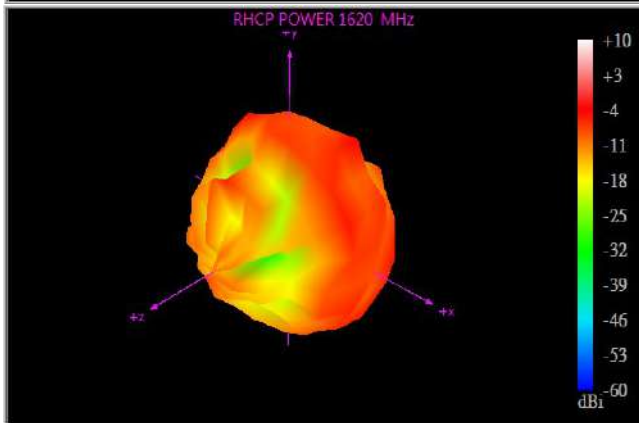
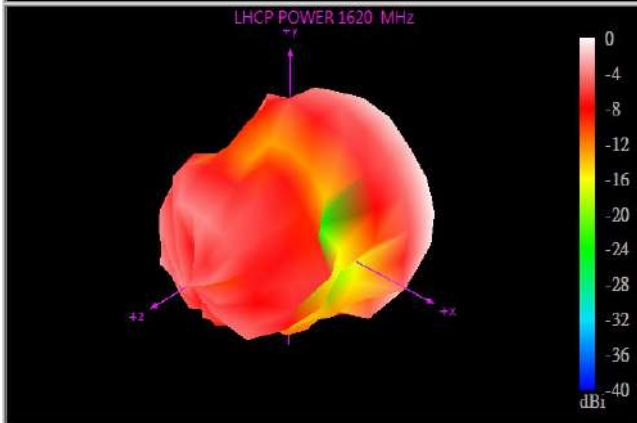
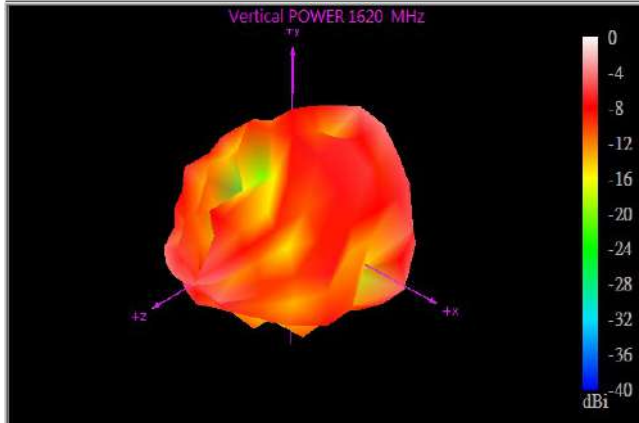
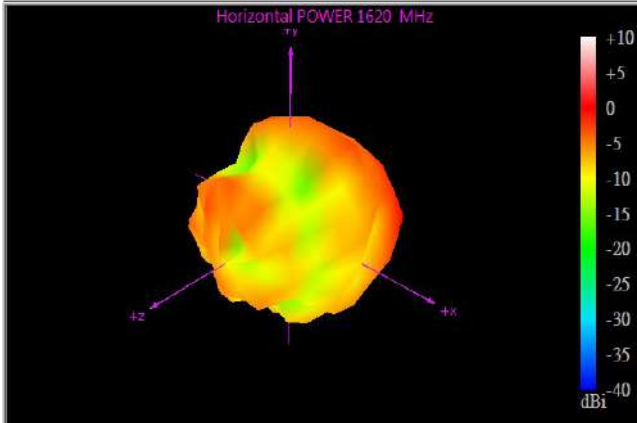
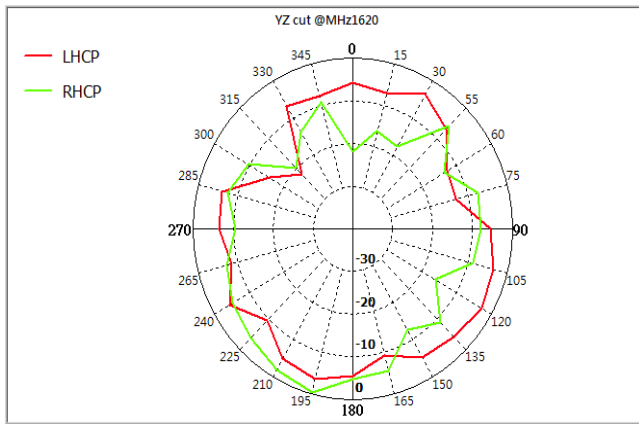
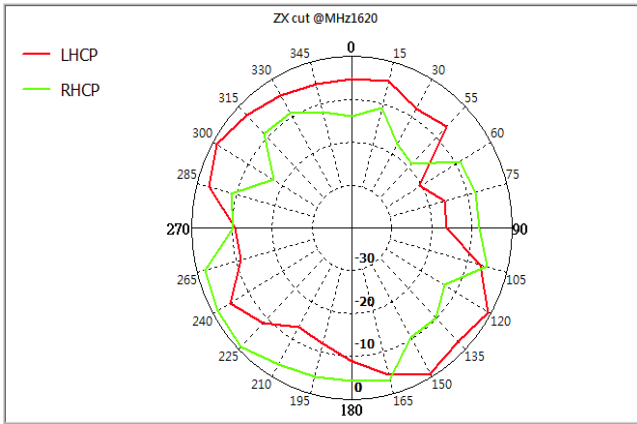
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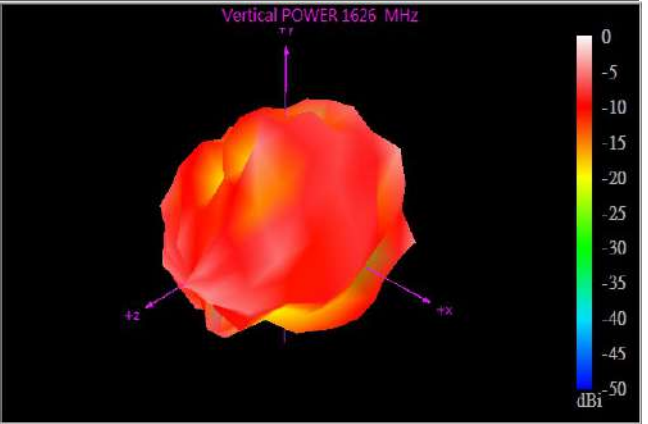
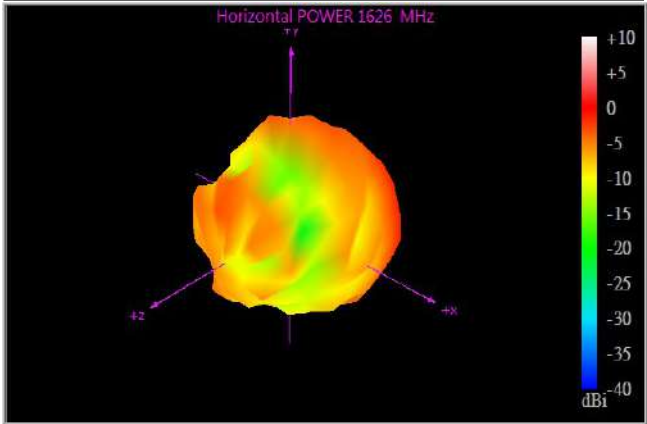
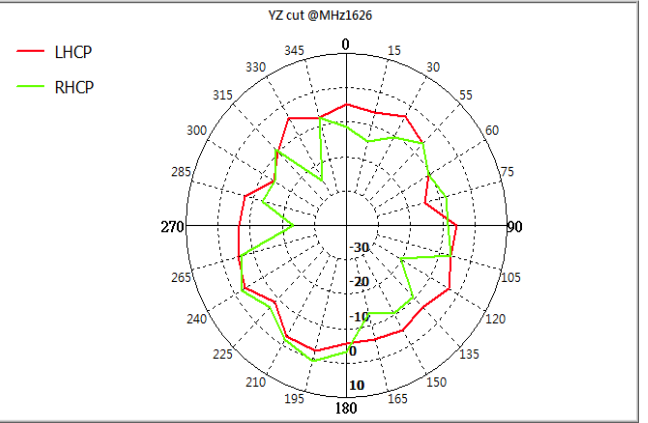
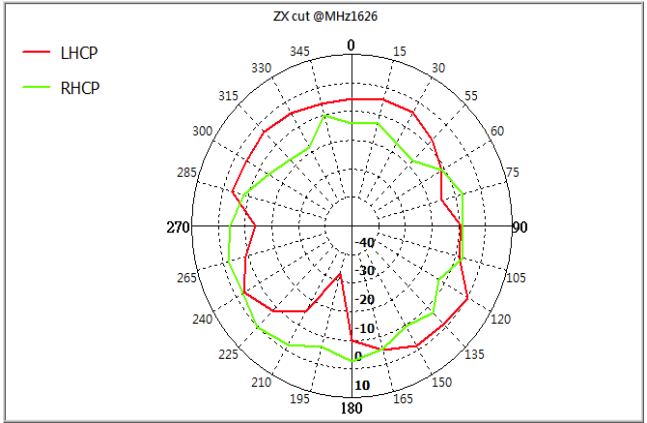
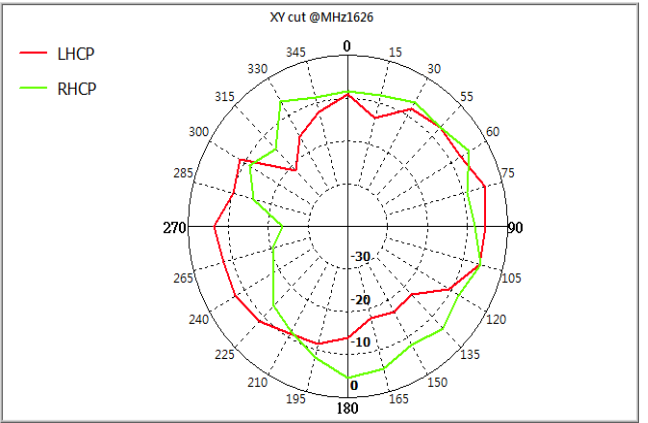
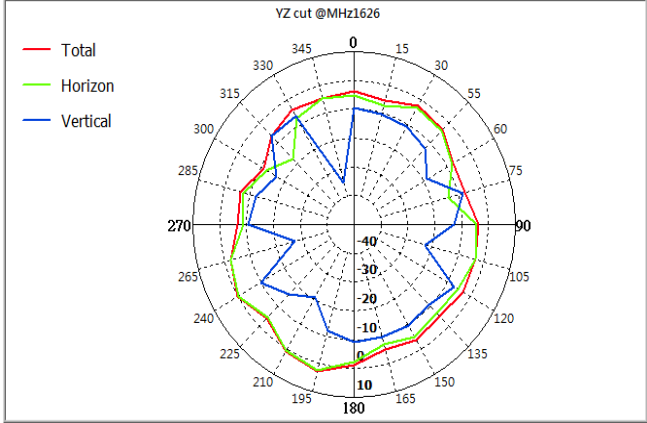
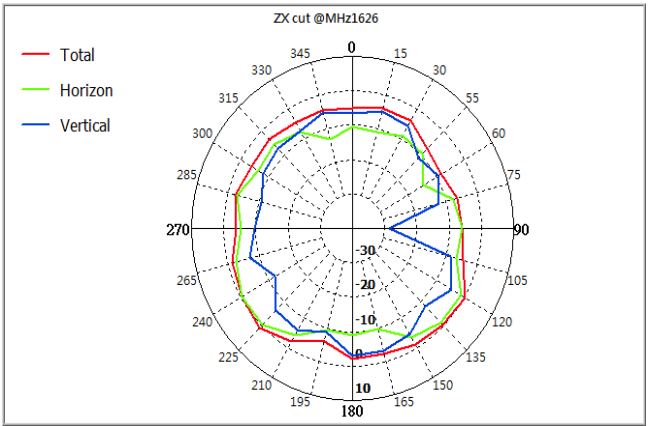
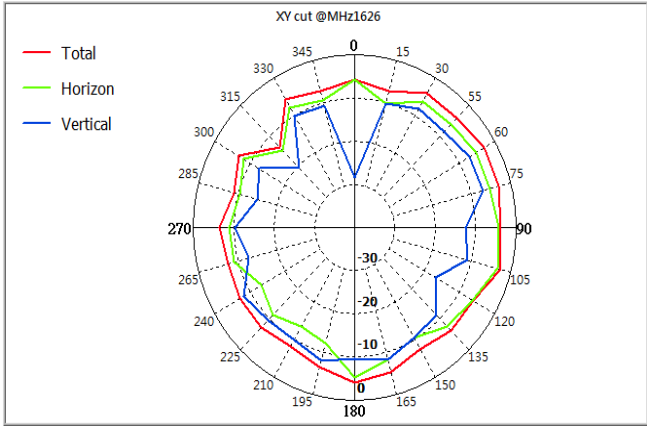


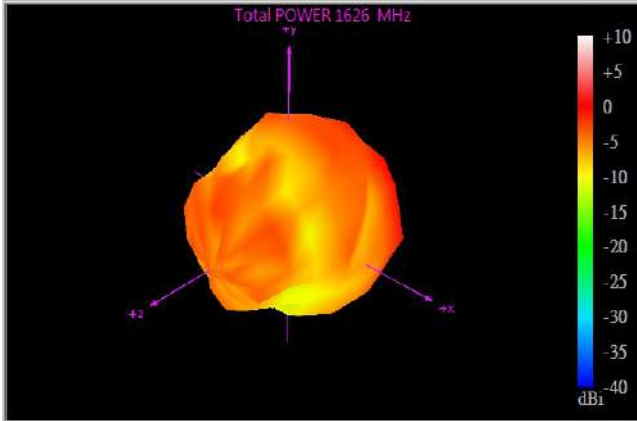
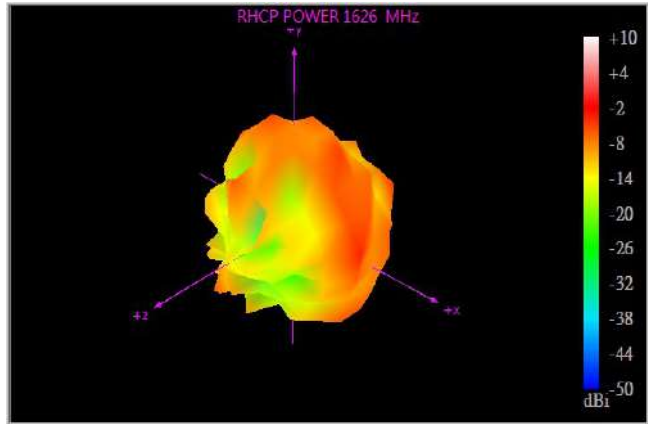
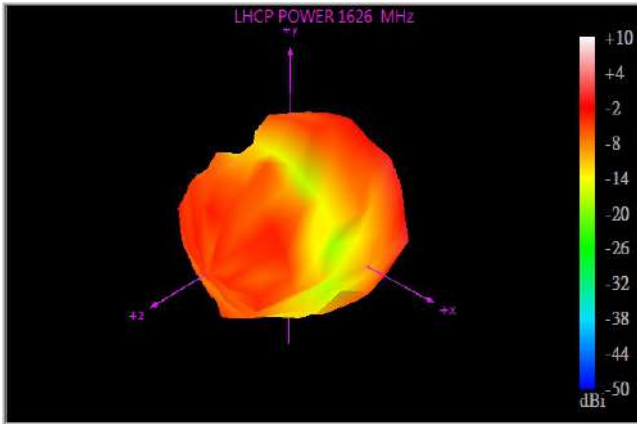
1620MHz:





1626Mhz:





1650MHz:

