

CAR GNSS & Iridium Antenna

MODEL: MA-1600

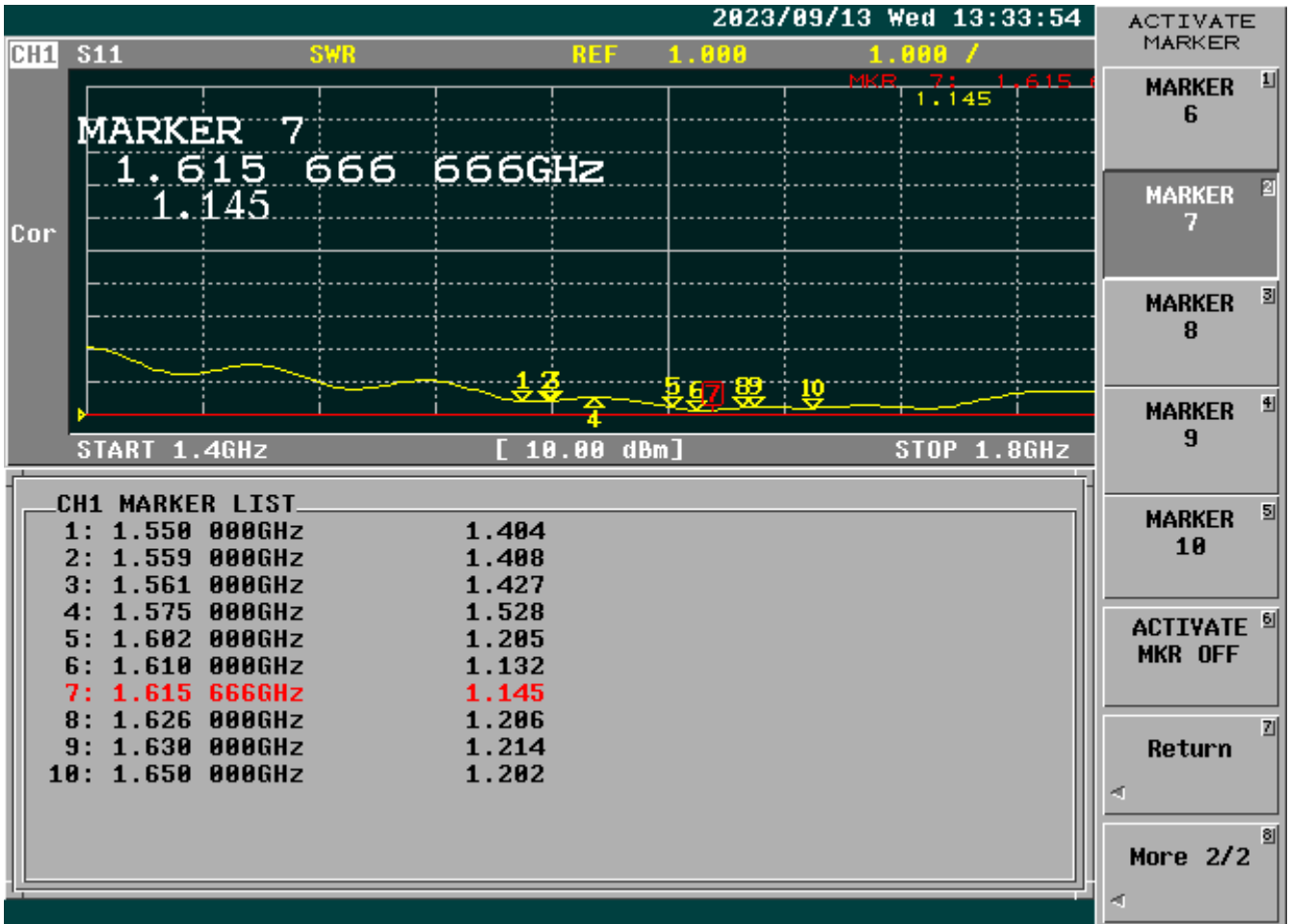


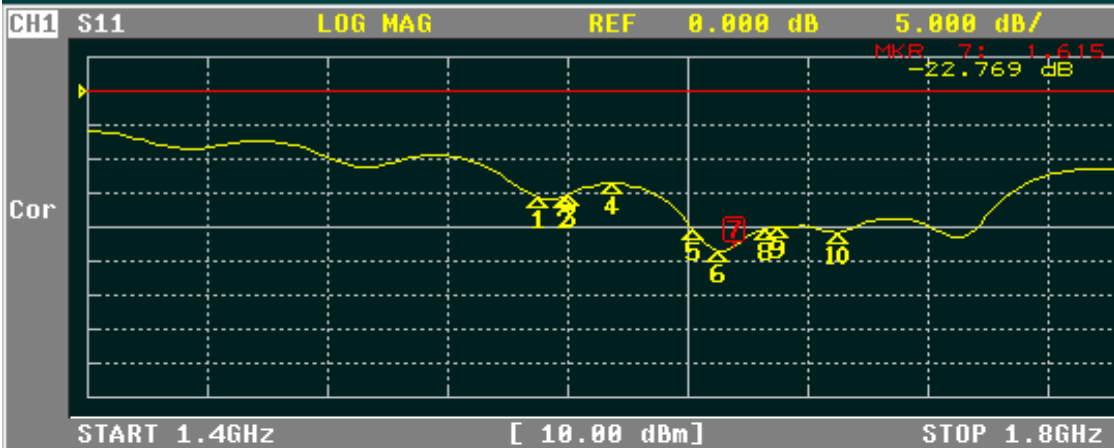
1. Electrical Properties

Parameter	Description
Frequency Band	1550~1650Mhz ON 240x320mm GND Test
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0:1
Antenna Peak Gain	3 dBi

2. Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	SUS430 Magnet Base mounting
Connector Type	SMA(M) or TNC(M) or N(M) or other
Antenna Dimensions	55.0 mm \pm 3 (without Magnet base mounting)
Antenna Cable Total Length	CFD200-2000 mm \pm 30 or other
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7





START 1.4GHz [10.00 dBm] STOP 1.8GHz

CH1 MARKER LIST

1:	1.550 000GHz	-15.518 dB
2:	1.559 000GHz	-15.406 dB
3:	1.561 000GHz	-15.081 dB
4:	1.575 000GHz	-13.575 dB
5:	1.602 000GHz	-20.257 dB
6:	1.610 000GHz	-23.474 dB
7:	1.615 666GHz	-22.780 dB
8:	1.626 000GHz	-20.261 dB
9:	1.630 000GHz	-19.932 dB
10:	1.650 000GHz	-20.732 dB

FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2



START 1.4GHz [10.00 dBm] STOP 1.8GHz

CH1 MARKER LIST

1:	1.550 000GHz	48.448 Ω	-16.498 Ω	6.223pF
2:	1.559 000GHz	36.442 Ω	-5.152 Ω	19.813pF
3:	1.561 000GHz	35.310 Ω	-2.275 Ω	44.811pF
4:	1.575 000GHz	40.148 Ω	16.265 Ω	1.643nH
5:	1.602 000GHz	59.154 Ω	-5.200 Ω	19.103pF
6:	1.610 000GHz	48.804 Ω	-6.439 Ω	15.351pF
7:	1.615 666GHz	44.001 Ω	-3.046 Ω	32.332pF
8:	1.626 000GHz	42.328 Ω	4.532 Ω	443.630pH
9:	1.630 000GHz	43.332 Ω	6.656 Ω	649.977pH
10:	1.650 000GHz	48.978 Ω	9.259 Ω	893.158pH

FORMAT

LOG MAG

PHASE

DELAY

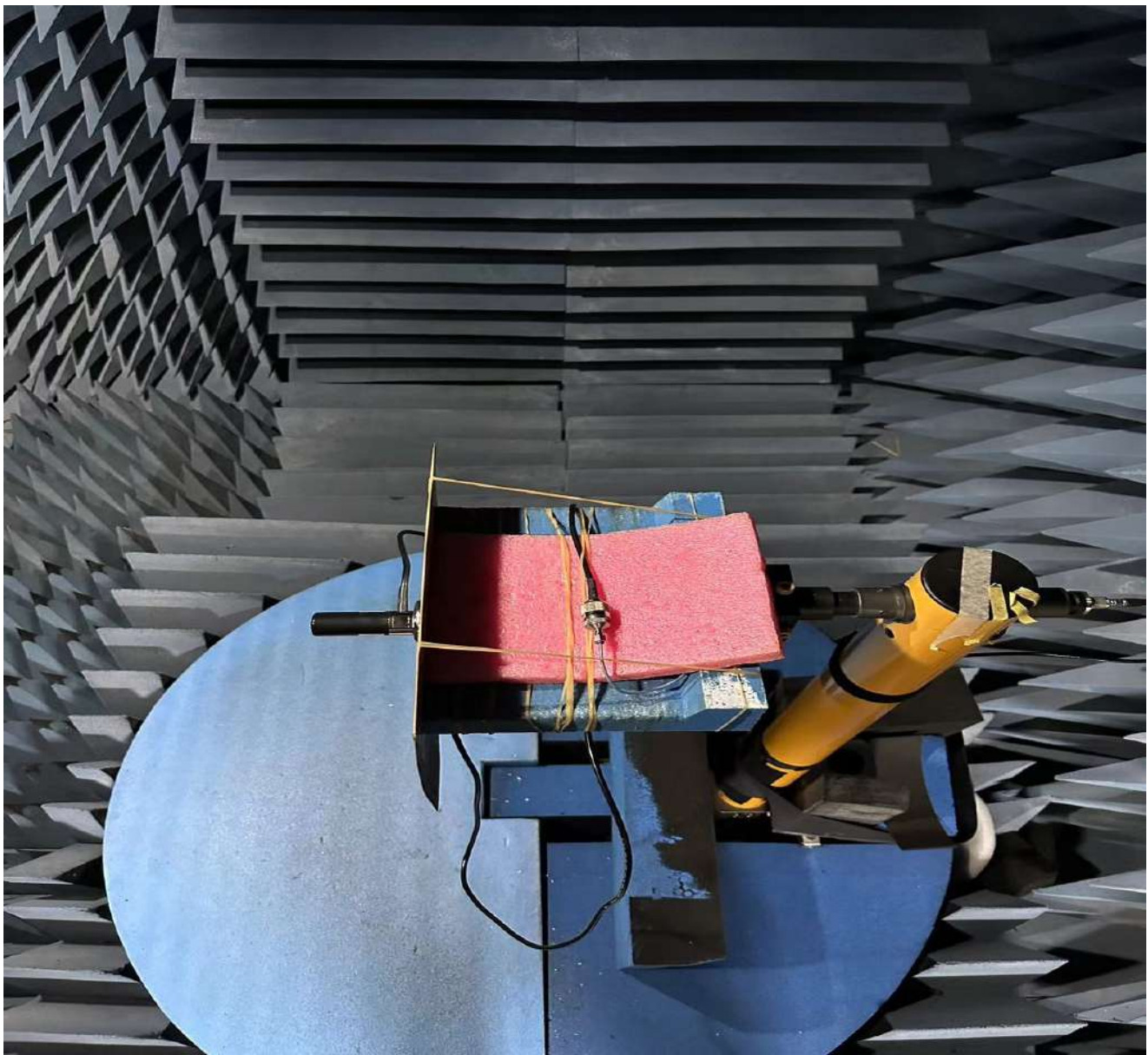
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

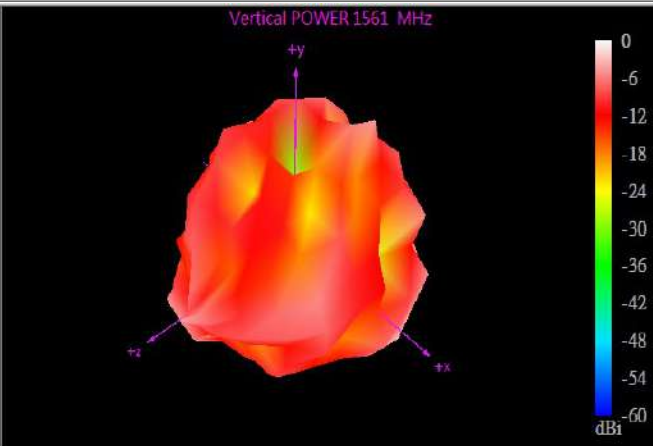
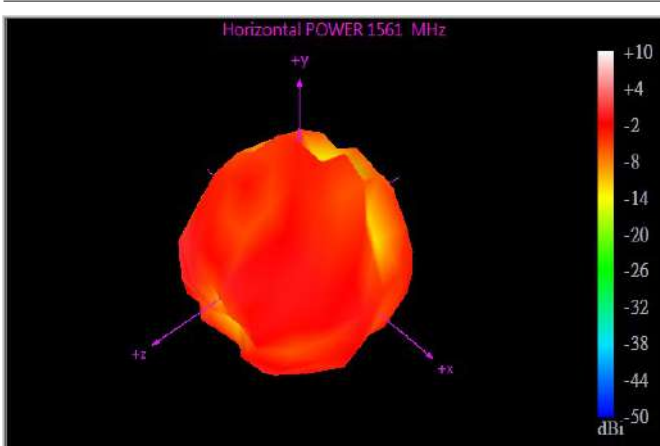
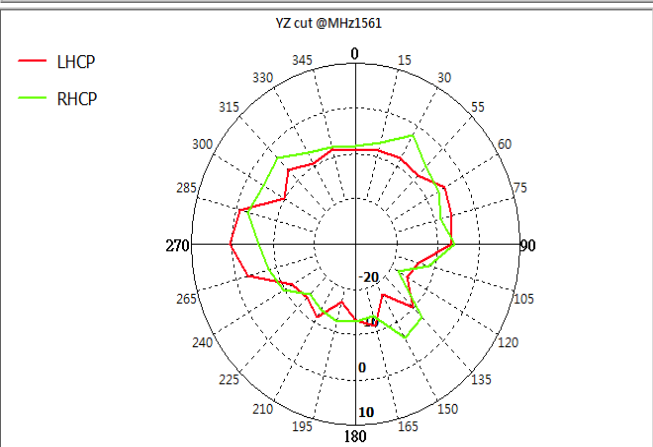
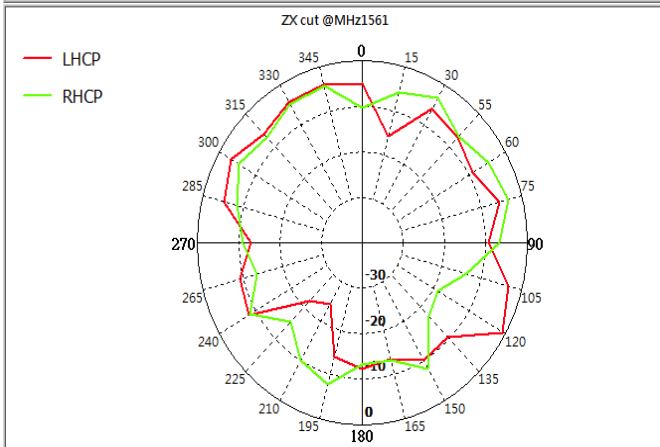
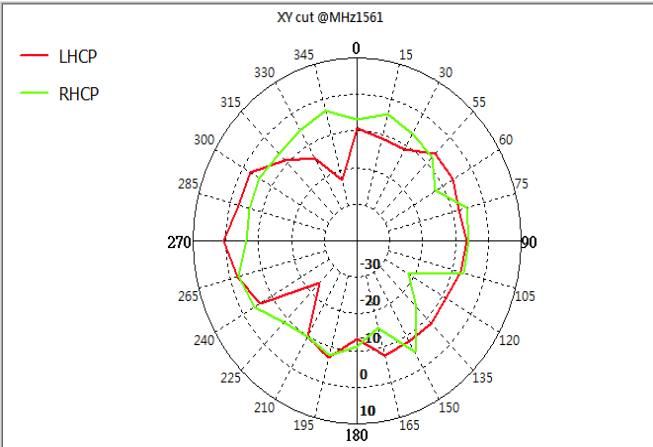
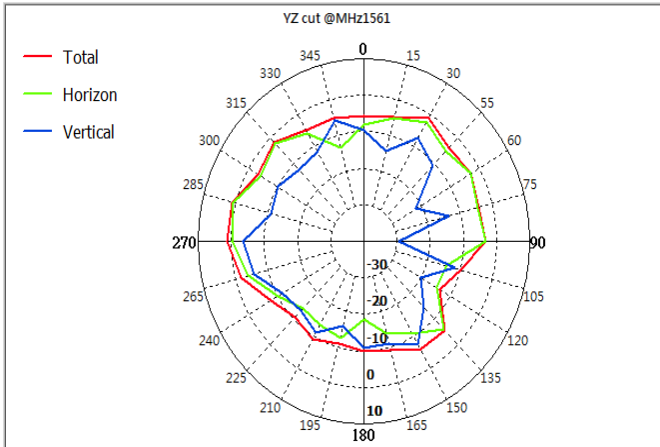
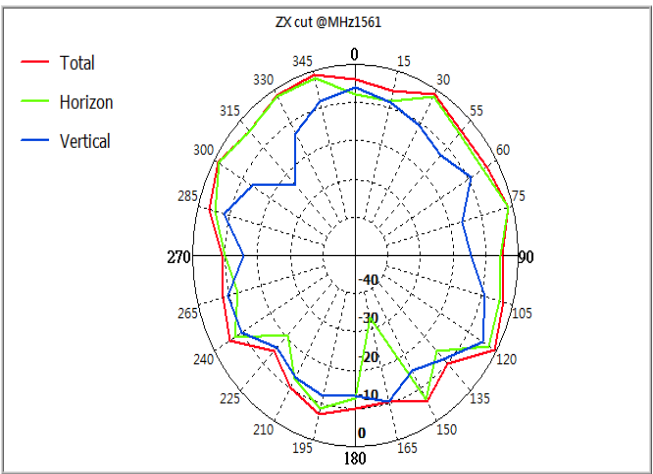
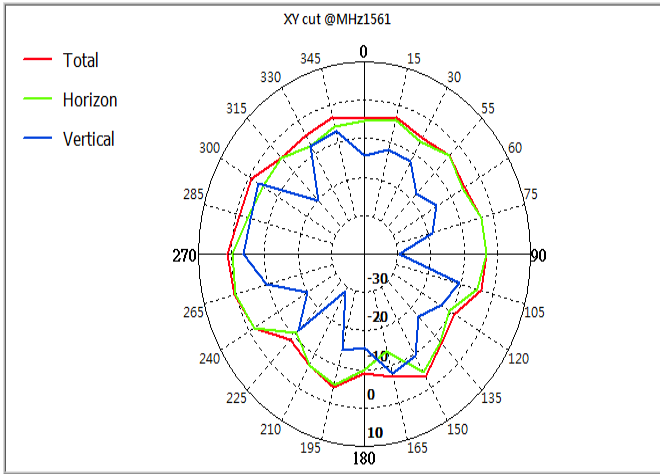
More 1/2

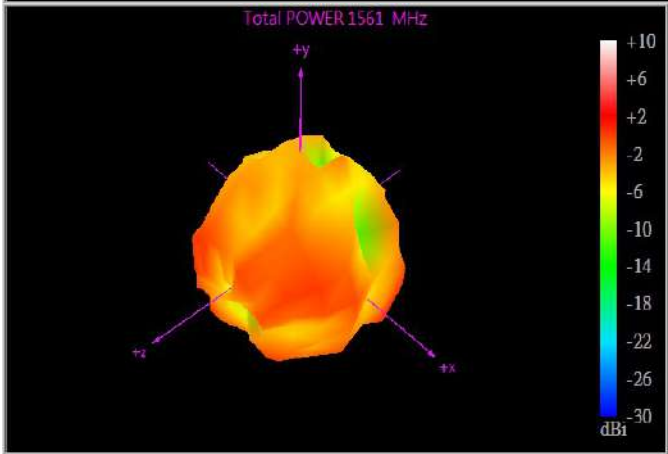
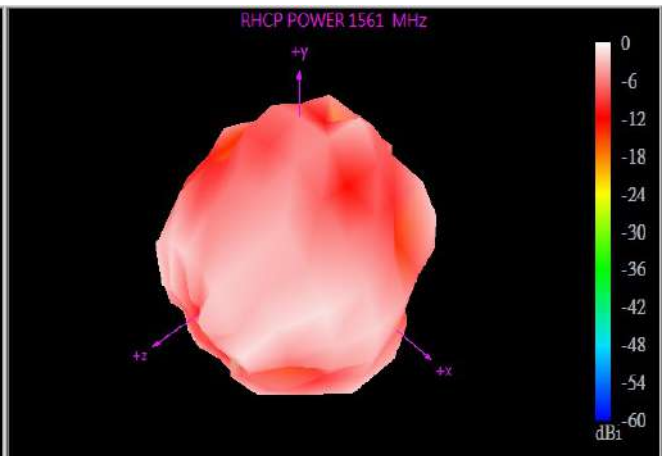
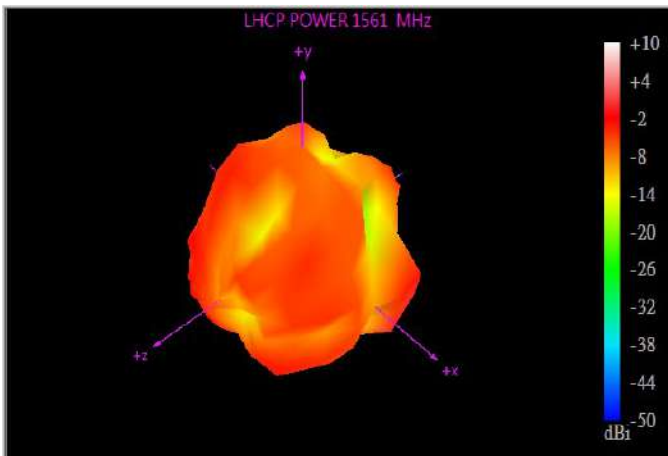


3D Total

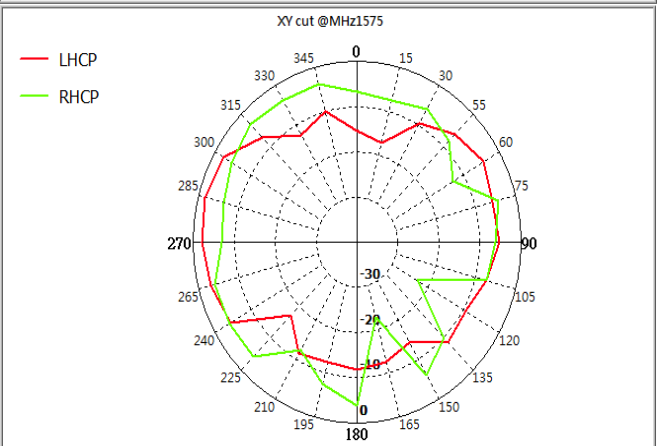
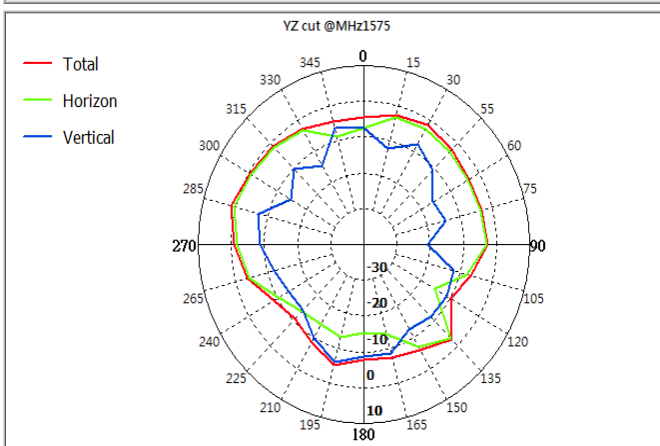
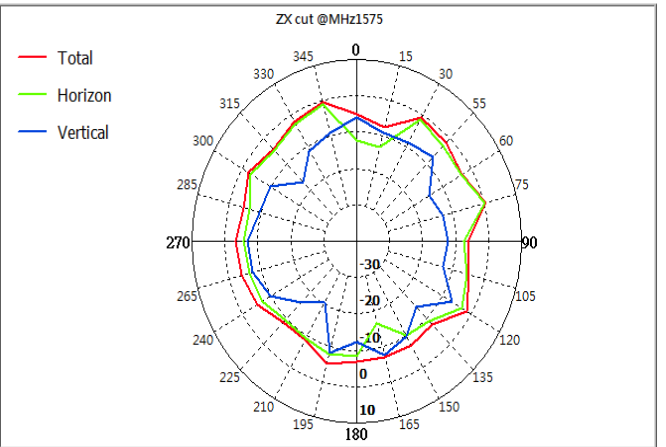
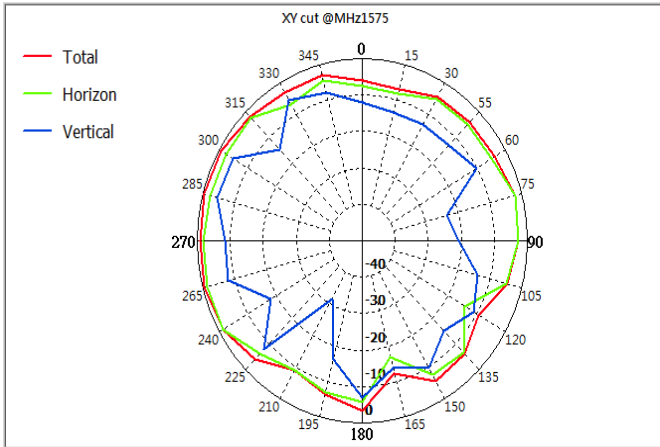
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1550 MHz	-5.20	-7.96	-3.36	46.17	2.95	-3.36
1559 MHz	-5.24	-7.96	-3.38	45.96	2.14	-3.38
1561 MHz	-5.55	-7.94	-3.57	43.93	2.45	-3.57
1575 MHz	-4.77	-7.26	-2.83	52.16	2.47	-2.83
1602 MHz	-5.10	-7.90	-3.27	47.13	3.06	-3.27
1610 MHz	-5.20	-7.70	-3.26	47.19	2.00	-3.26
1616 MHz	-5.04	-7.94	-3.24	47.41	2.07	-3.24
1620 MHz	-5.24	-7.91	-3.37	46.07	2.56	-3.37
1626 MHz	-5.37	-7.83	-3.42	45.49	2.25	-3.42
1630 MHz	-5.09	-7.69	-3.18	48.04	2.12	-3.18
1650 MHz	-5.05	-7.69	-3.16	48.25	3.04	-3.16
1700 MHz	-5.23	-7.78	-3.31	46.71	2.88	-3.31
1800 MHz	-6.80	-9.81	-5.04	31.36	0.76	-5.04

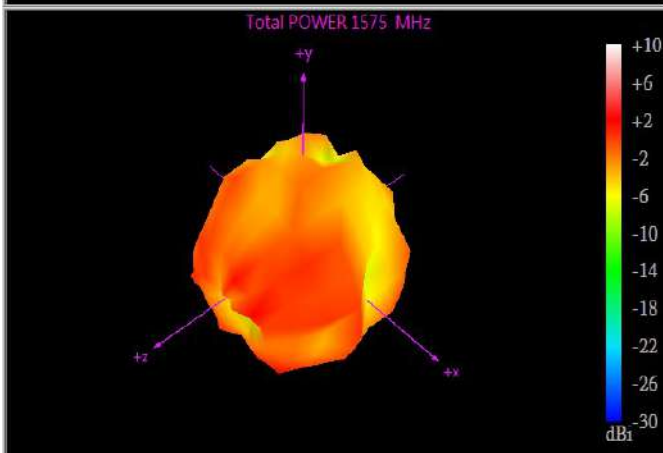
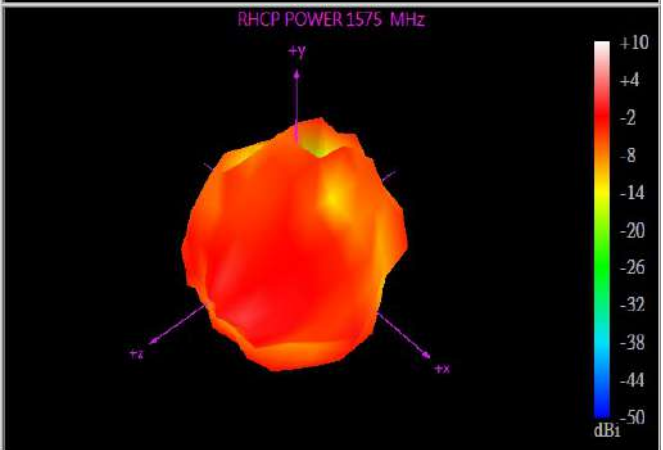
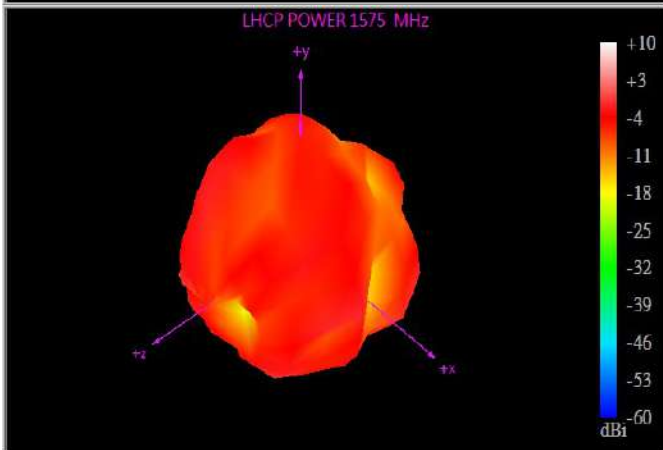
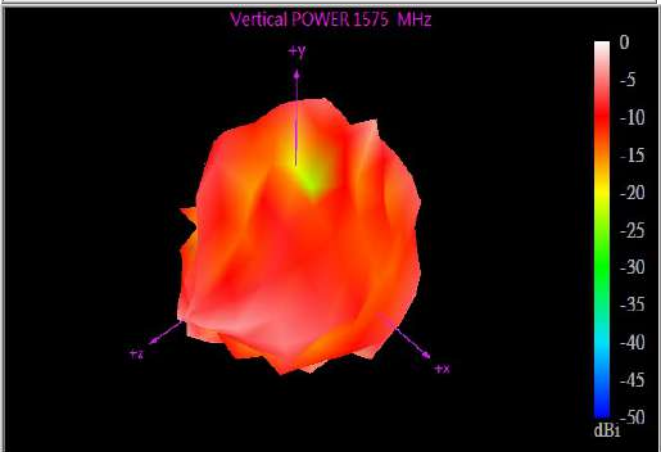
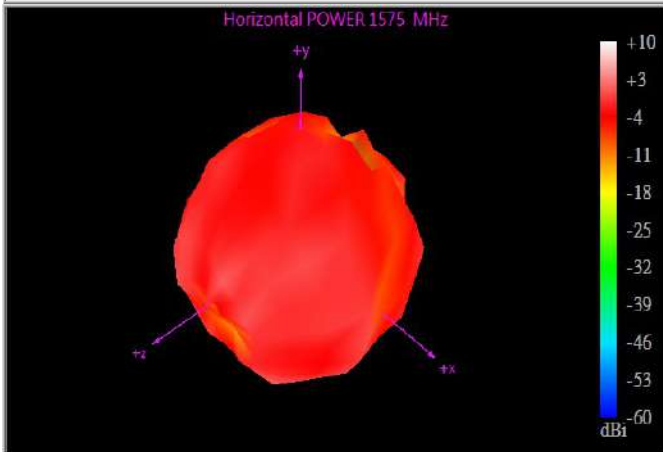
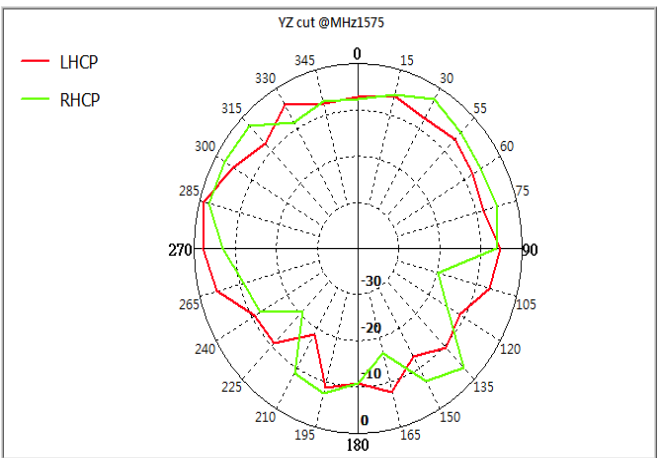
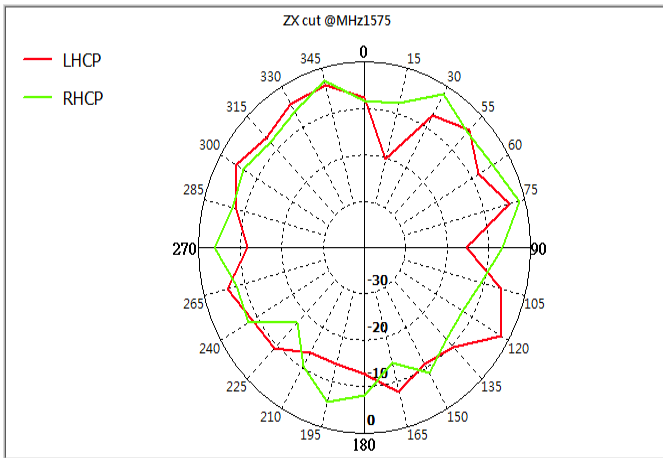
1561Mhz:



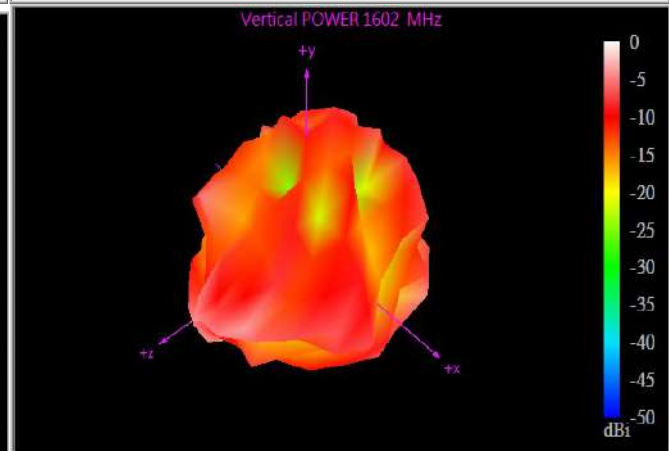
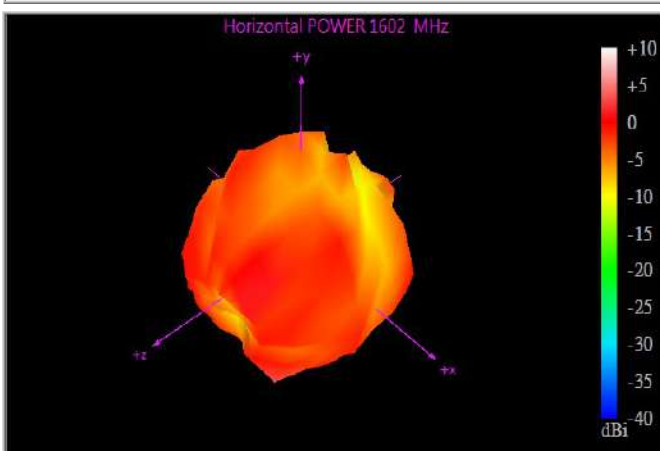
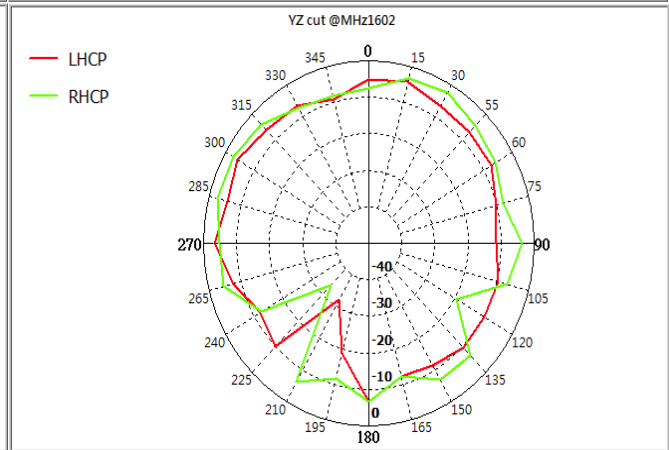
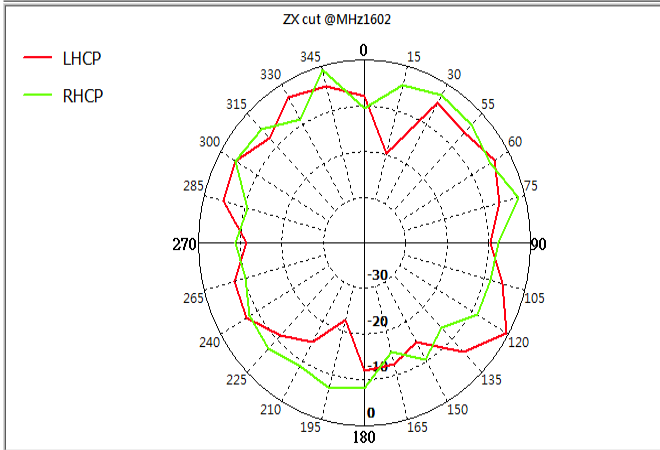
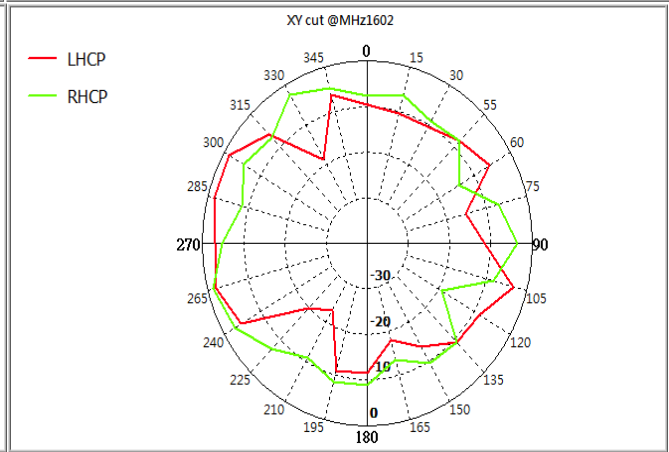
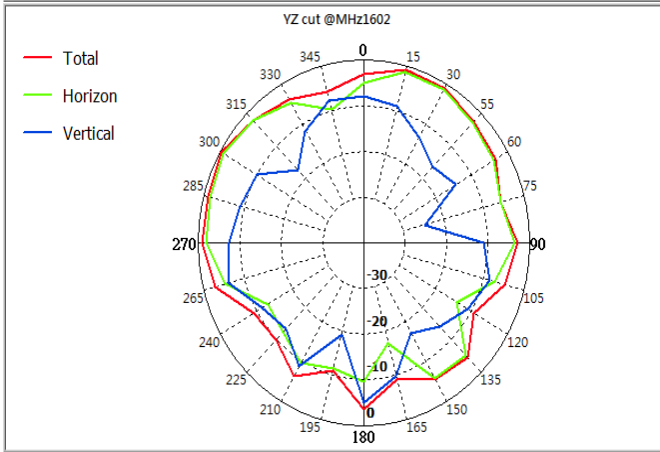
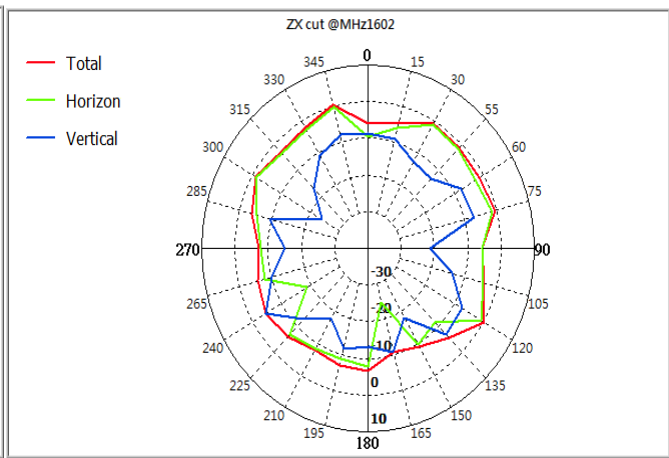
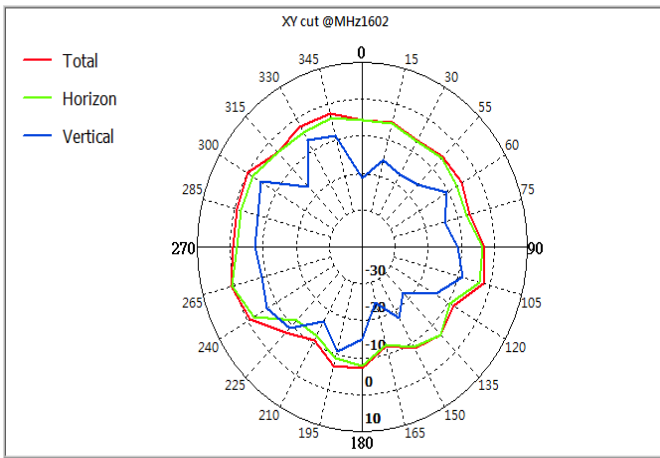


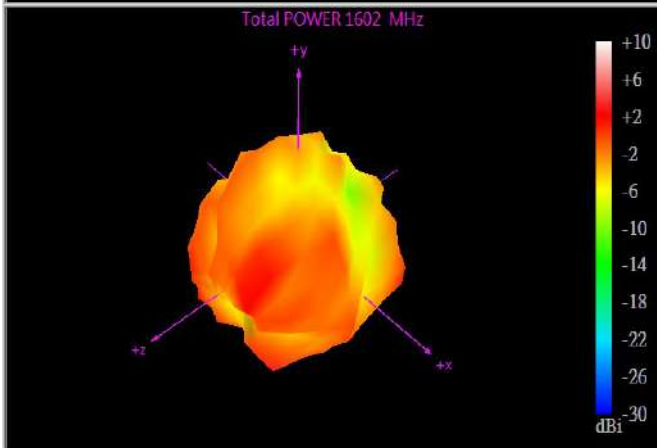
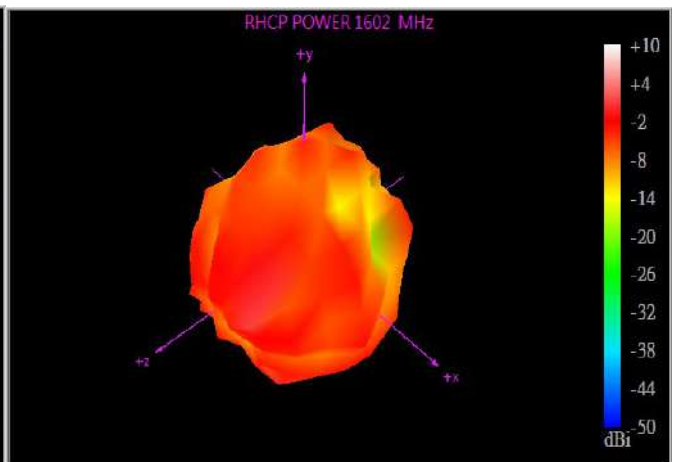
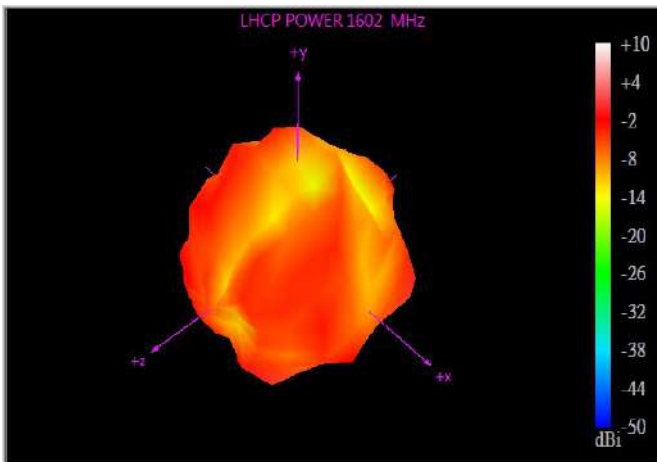
1575MHz:



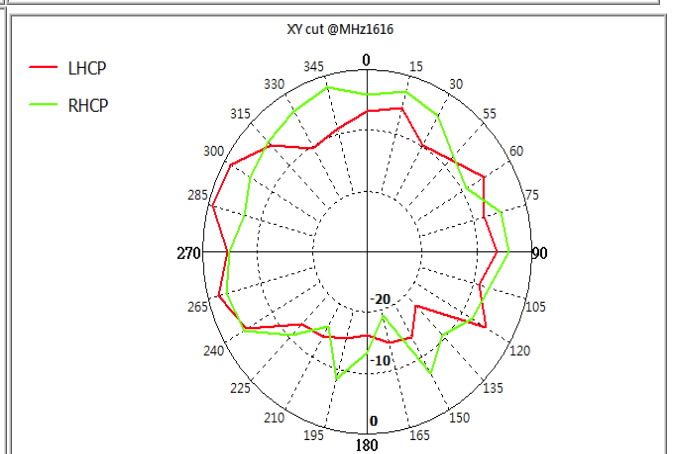
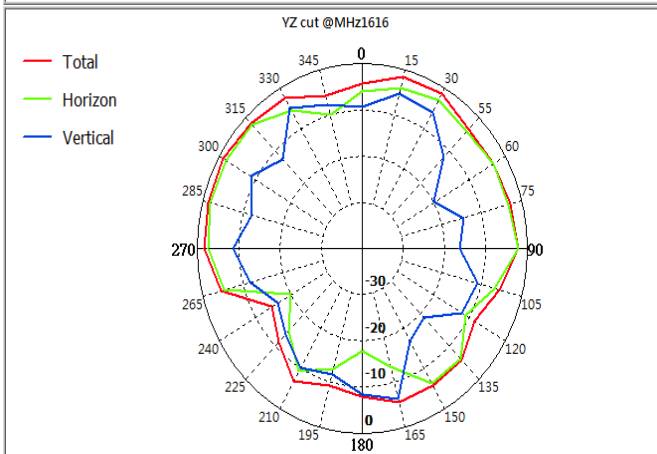
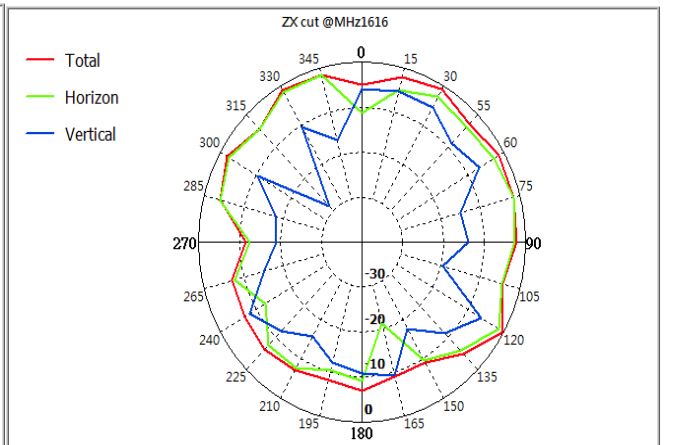
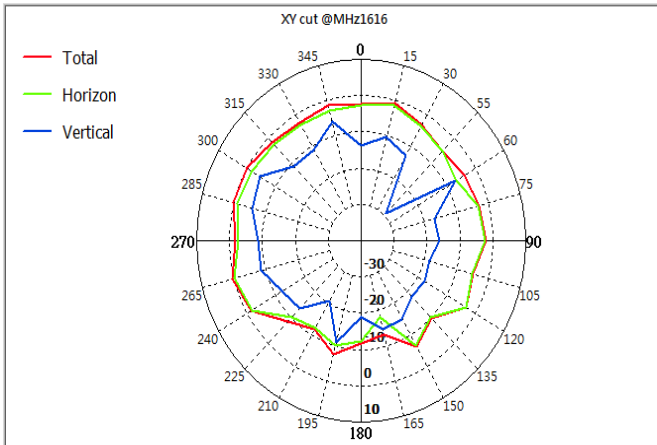


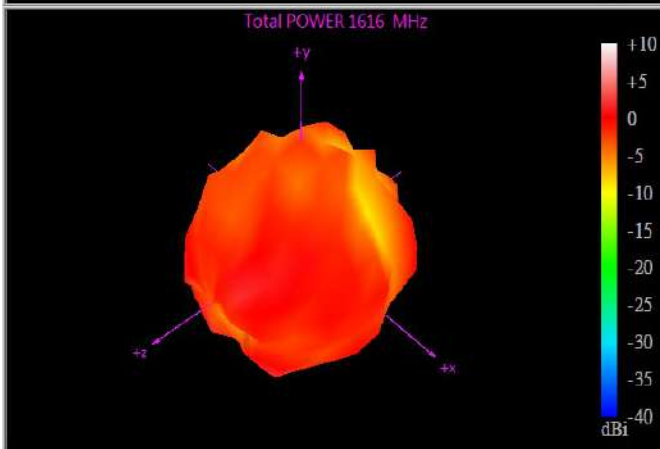
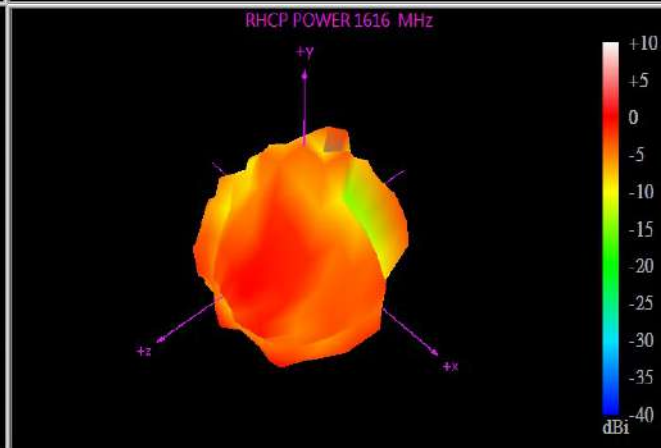
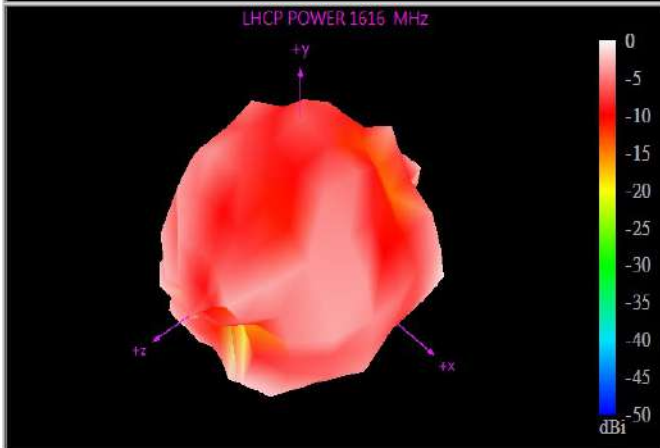
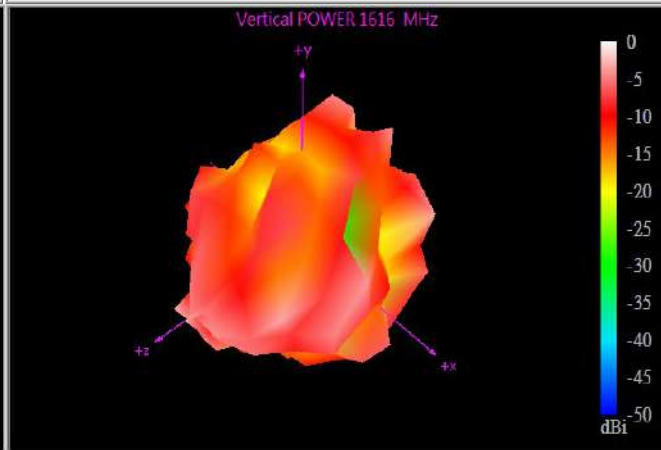
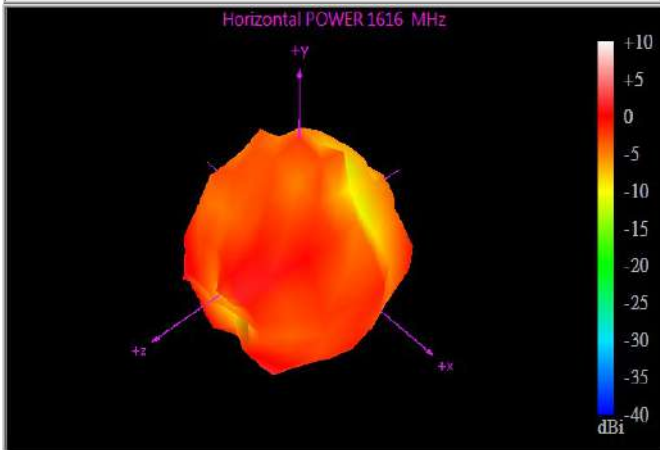
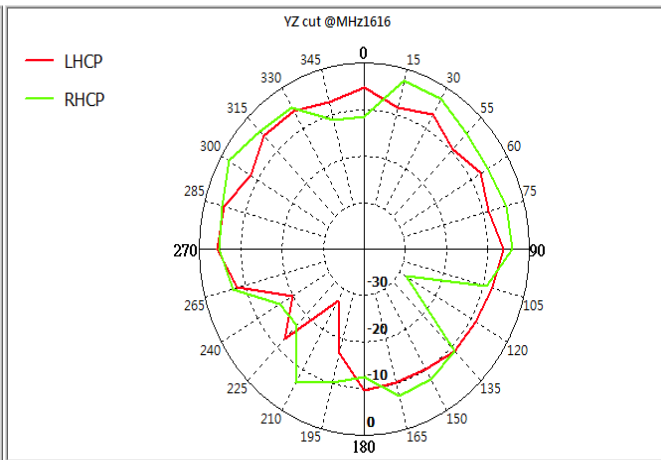
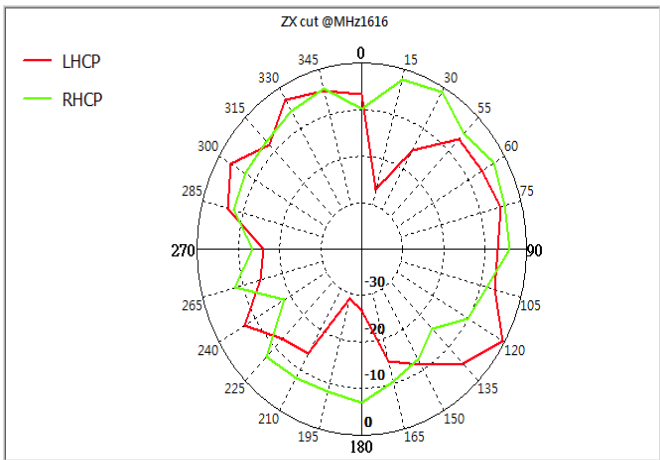
1602Mhz:



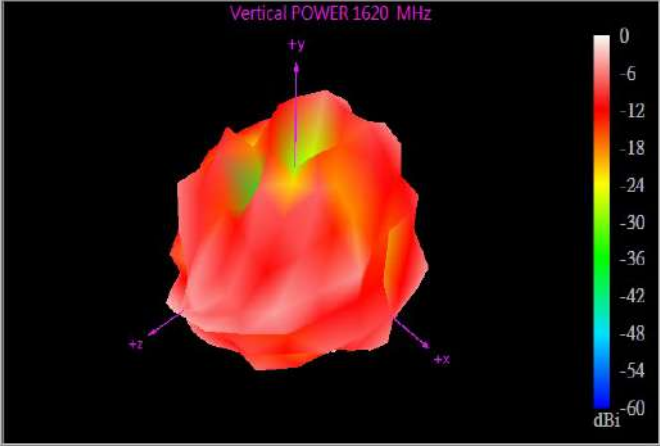
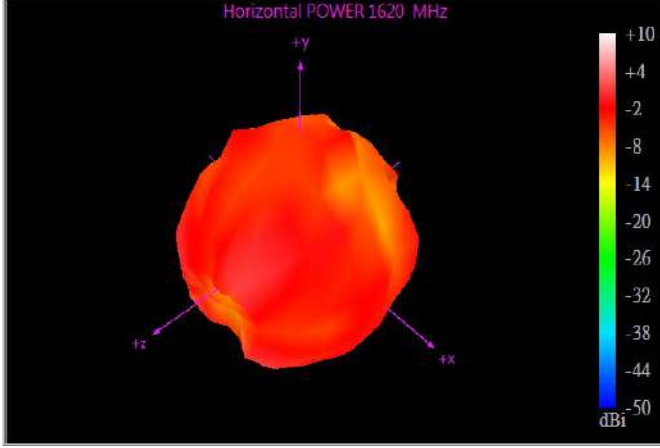
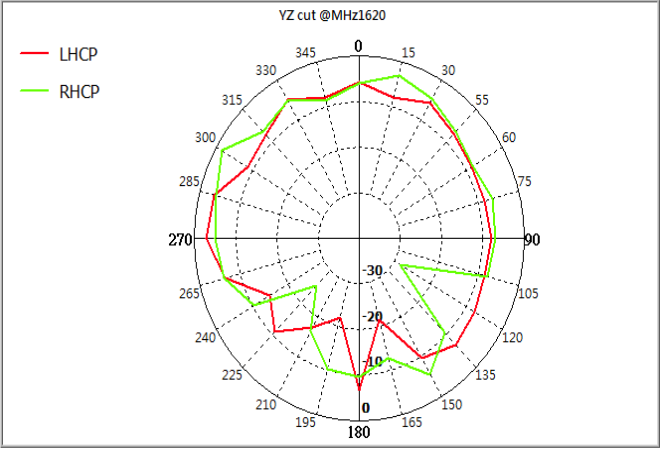
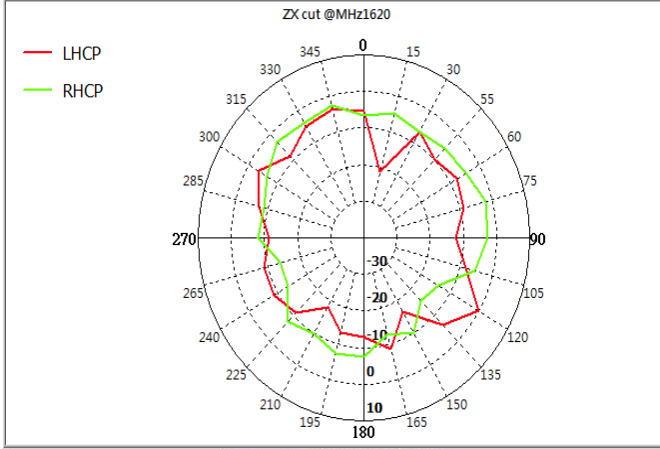
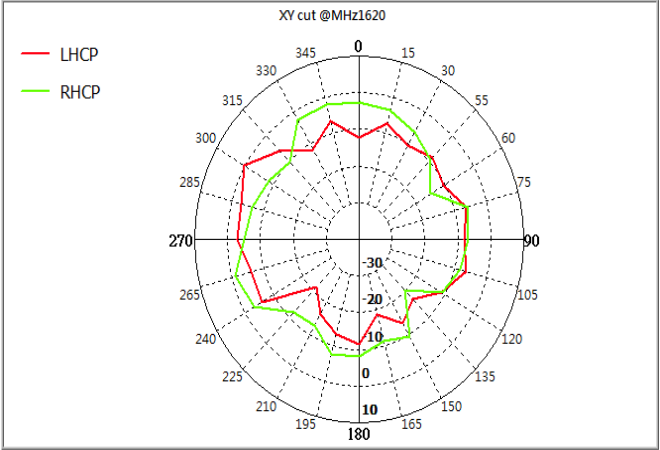
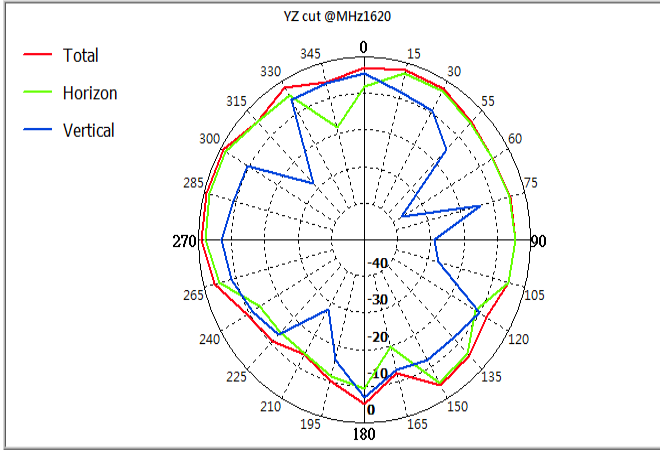
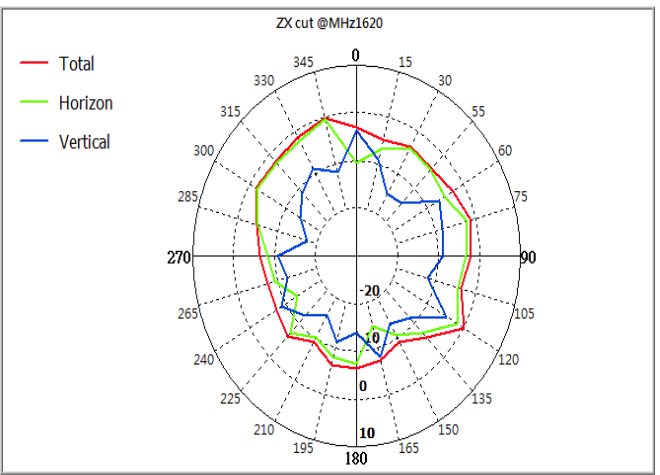
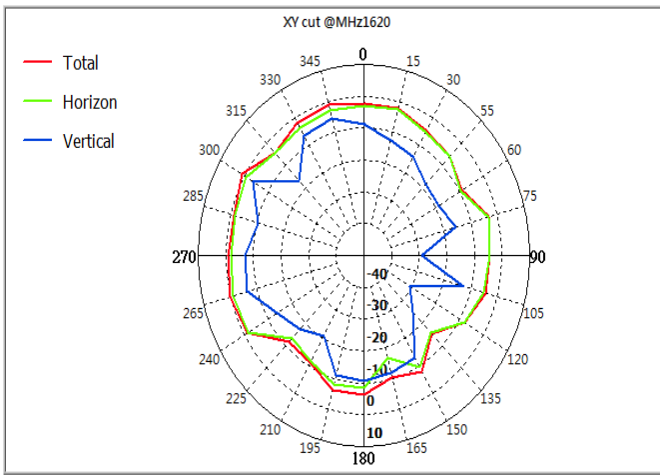


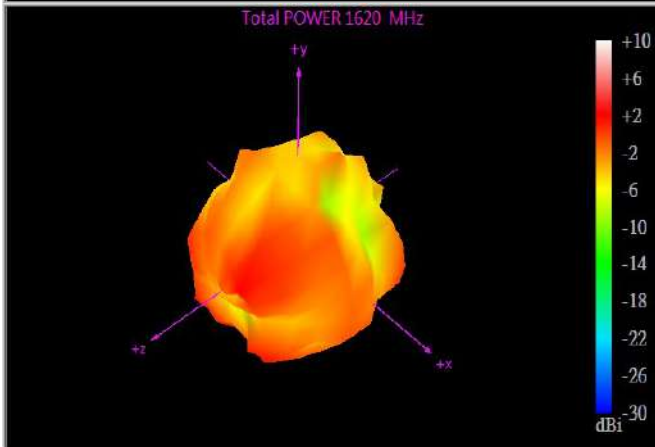
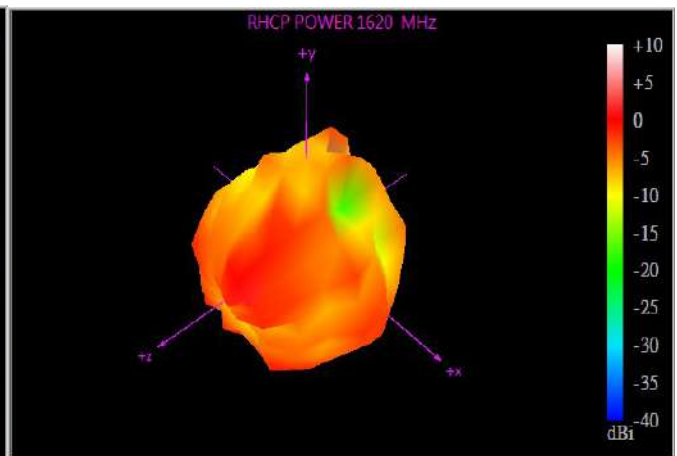
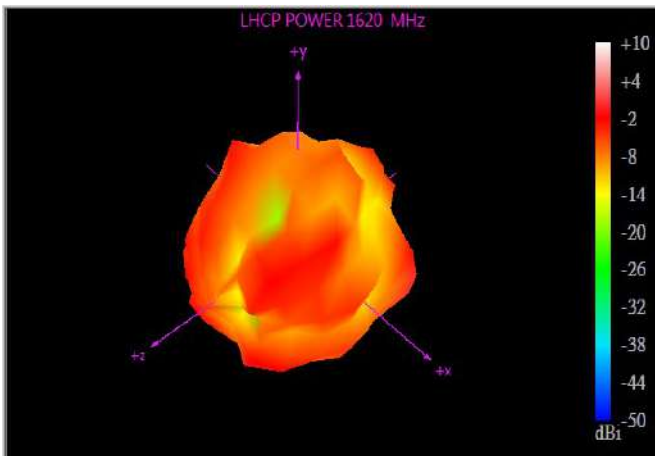
1616Mhz:





1620Mhz:





1626Mhz:

