
Antenna Specification

Product Name : M46 Antennas

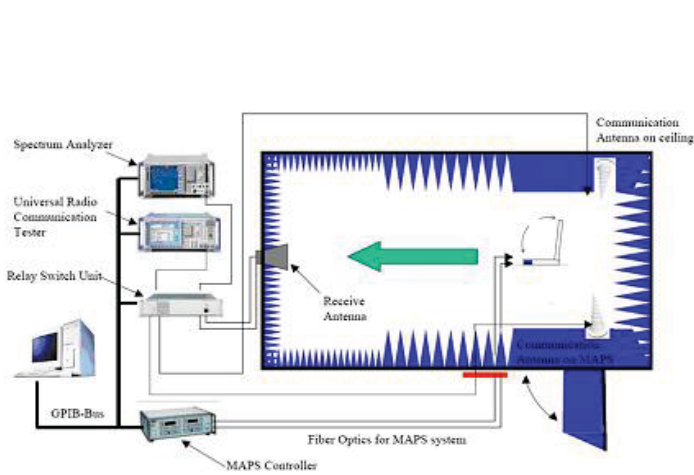
Specifications model : M46 Antennas

Date : 2024.04.15

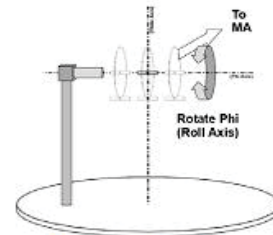
Confirmation of user:

Designed by	Reviewed by	Approved by
Liu Dongshan	Cui Cen	Zhou Xiangyang

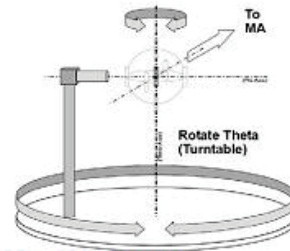
Test Equipment



(Testing by 3D anechoic chamber)

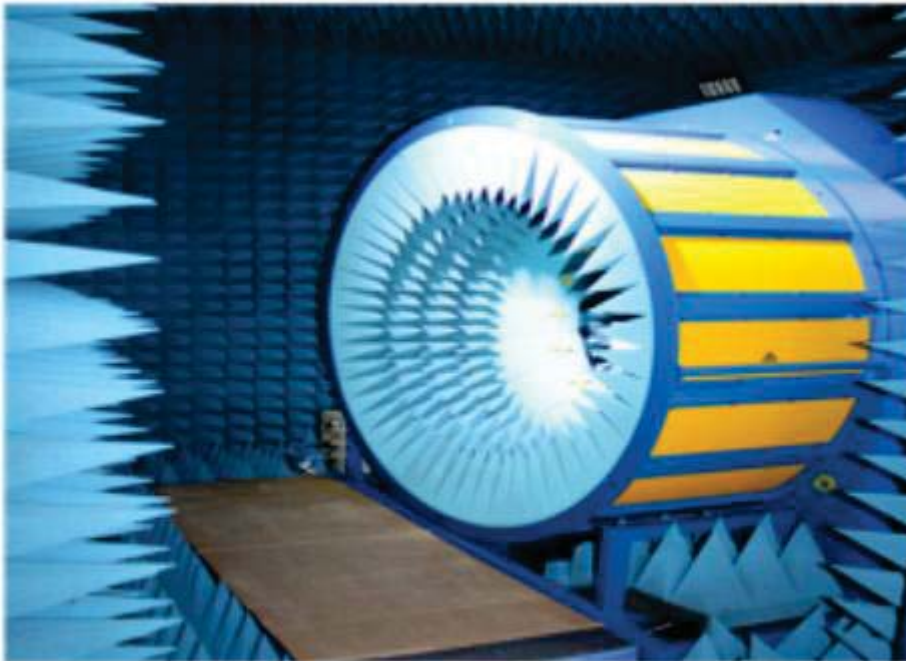


Phi axis test



Theta axis test

Chamber



Satimo

Shenzhen Ruiqiang Communication Co., Ltd
W2-A 502, Gaoxin Industrial Village, South Fourth Road, Nanshan District, Shenzhen

Item	Describe
Input impedance	50 Ω
VSWR	<2.5
ANT0 antenna Gain	4G&5G N2:1.5dBi N5:2.1dBi N7:1.7dBi N8:0.7dBi N25:1.5dBi N38:1.7dBi N40:1.5dBi N41:1.7dBi N66:1.5dBi N71:0.8dBi N77:5dBi N78:3.2dBi B2: 1.5dBi B4:1.1dBi B5:2.1dBi B7:1.7dBi B8: 0.7dBi B12: 0.8dBi B25:1.5dBi B38:0.8dBi B40: 1.5dBi B41: 1.7dBi B42: 3.2dBi B43: 5dBi B66:1.5dBi B71:0.8dBi
ANT1 antenna Gain	4G&5G N2:2.8dBi N7:3.7dBi N25:2.8dBi N38:3.7dBi N40:0dBi N41:3.7dBi N66:2.8dBi N77:6.5dBi N78:2.7dBi B2: 2.8dBi B4:1.2dBi B7:3.7dBi B25:2.8dBi B38:3.7dBi B40:0dBi

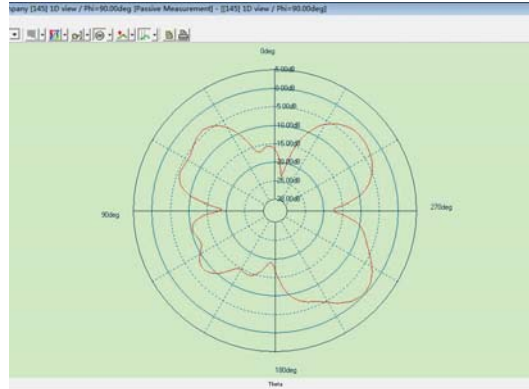
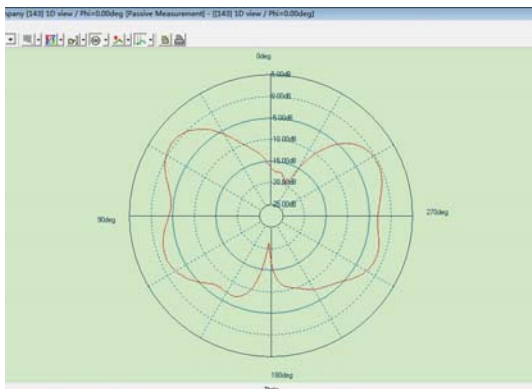
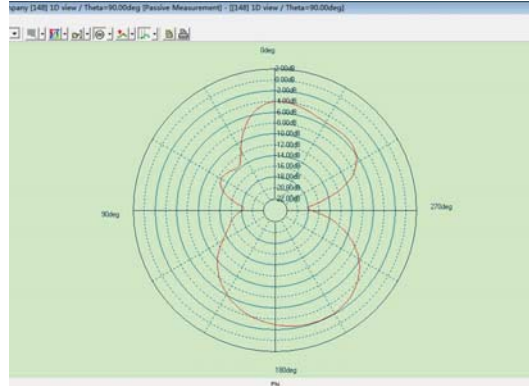
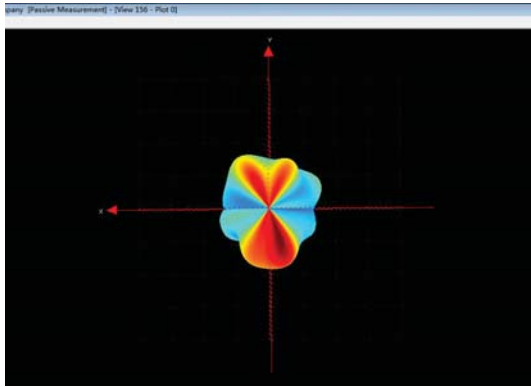
	B41: 3.7dBi B42:2.7dBi B43:6.5dBi B66:2.8dBi
ANT2 antenna Gain	4G&5G N2:1.6dBi N7:2.9dBi N25:1.6dBi N38:2.9dBi N40:3.5dBi N41:2.9dBi N66:1.6dBi N77:6.9dBi N78:2.8dBi B2: 1.6dBi B4:1.5dBi B7:2.9dBi B25:1.6dBi B38:2.9dBi B40:3.5dBi B41:2.9dBi B42:2.8dBi B43:6.9dBi B66:1.6dBi
ANT3 antenna Gain	4G&5G N2:1.7dBi N5:-0.2dBi N7:2.1dBi N8:-0.8dBi N25:1.7dBi N38:2.1dBi N40:4.1dBi N41:2.1dBi N66:1.7dBi N71:-5dBi N77:3.1dBi N78:2.1dBi B2:1.7dBi B4:-0.7dBi B5:-0.2dBi B7:2.1dBi B8:-0.8dBi B12:-3dBi B25:1.7dBi B38:2.1dBi B40:4.1dBi

	B41:2.1dBi B42:2.1dBi B43:3.1dBi B66:1.7dBi B71:-5dBi
ANT4(WIFI0) antenna Gain	2.4G: 0.77dBi 5.8G:2.69dBi
ANT5(WIFI1) antenna Gain	2.4G: -1.5dBi 5.8G:5.4dBi
Polarization	Linear Polarization

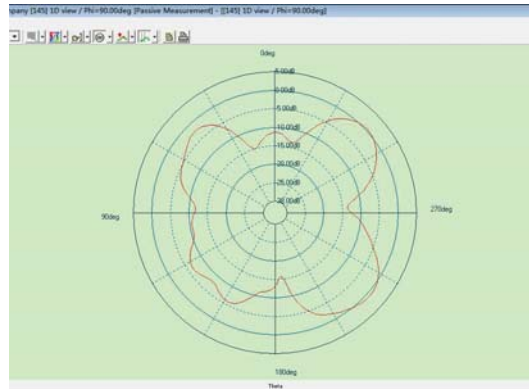
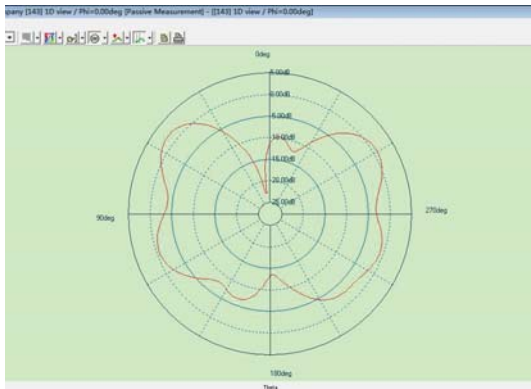
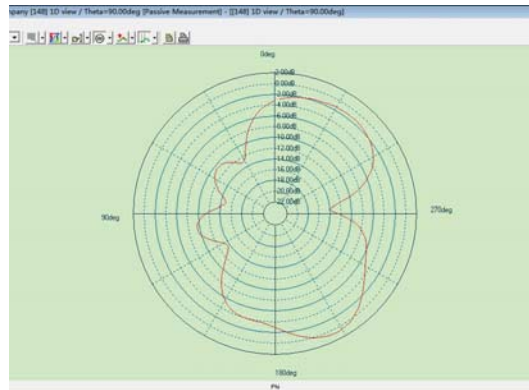
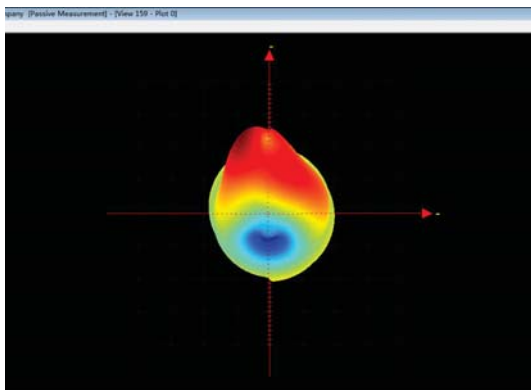
Antenna Shape	Frequency/Type
ANT0 	700-4200MHz Monopole
ANT1 	1710-4200MHz Monopole
ANT2 	1710-4200MHz Monopole
ANT3 	700-4200MHz IFA
ANT4 	2400-2500MHz 5150-5180MHz IFA

<p>M16-ANT4</p> <p>22.85 ± 0.15</p> <p>13.28 ± 0.15</p> <p>2.90</p> <p>2.45</p> <p>3.20 ± 0.30</p> <p>8.30</p>	
<p>ANT5</p> <p>M16-ANT5</p> <p>25.05 ± 0.15</p> <p>13.28 ± 0.15</p> <p>1.95</p> <p>2.00</p> <p>3.20 ± 0.30</p> <p>7.80</p>	<p>2400-2500MHz 5150-5180MHz IFA</p>

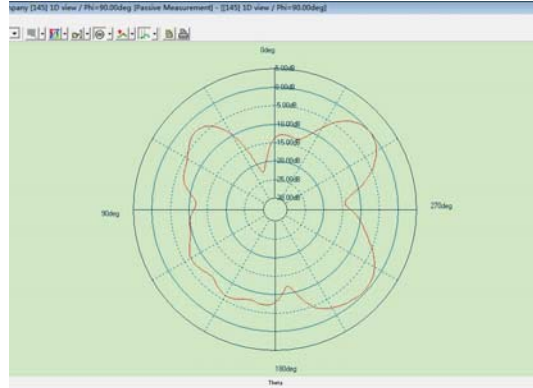
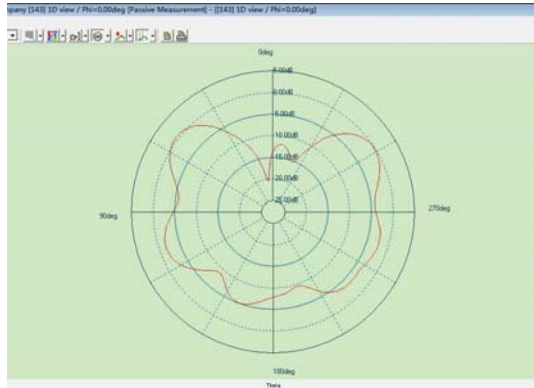
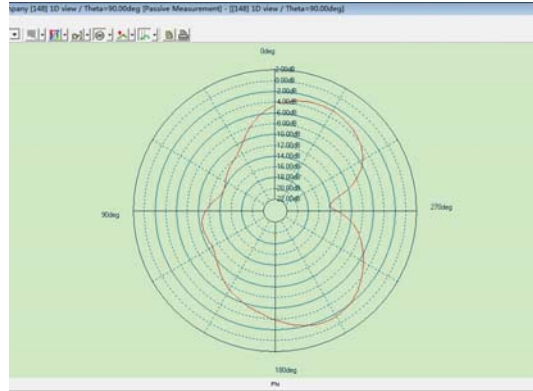
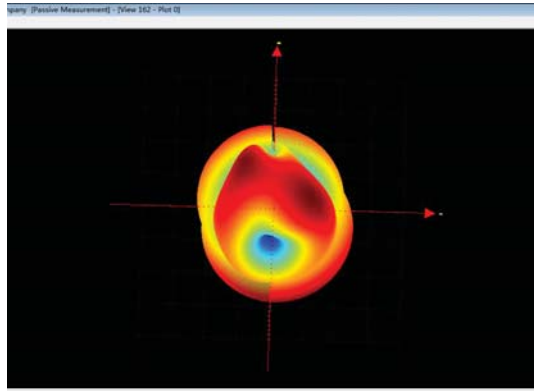
ANT0 740MHz



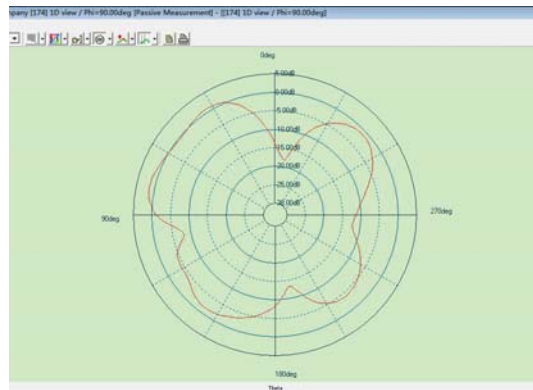
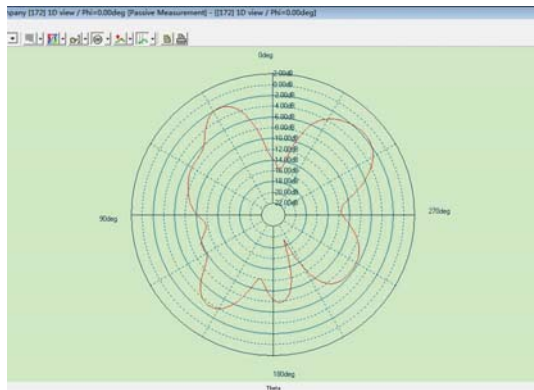
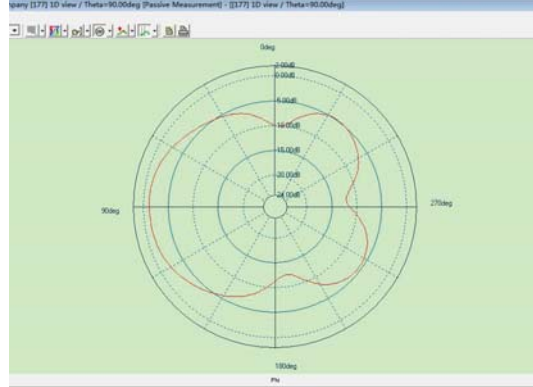
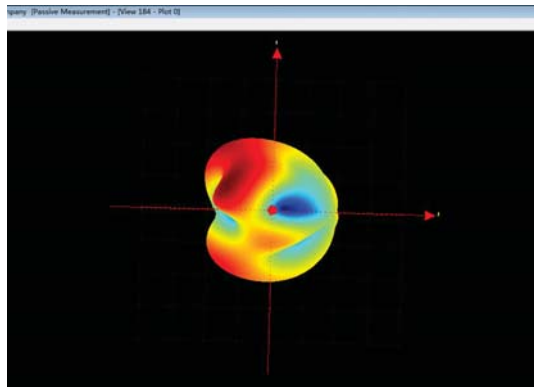
840MHz



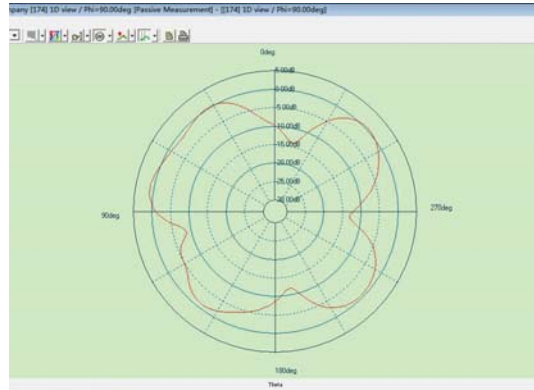
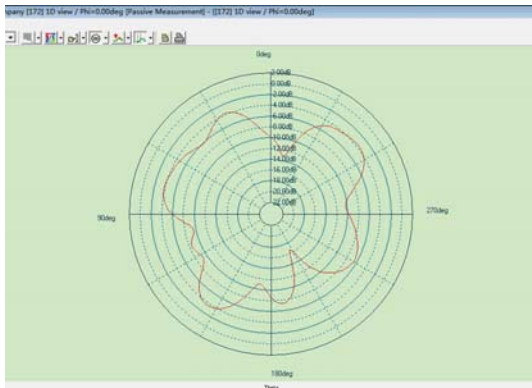
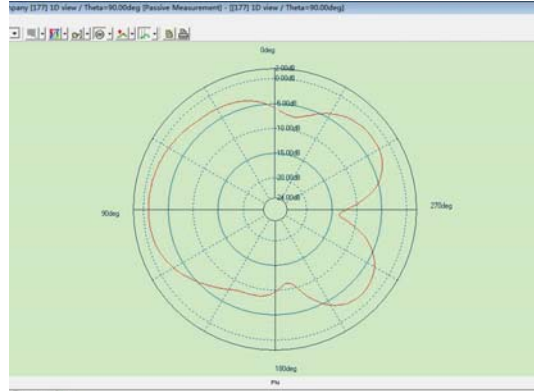
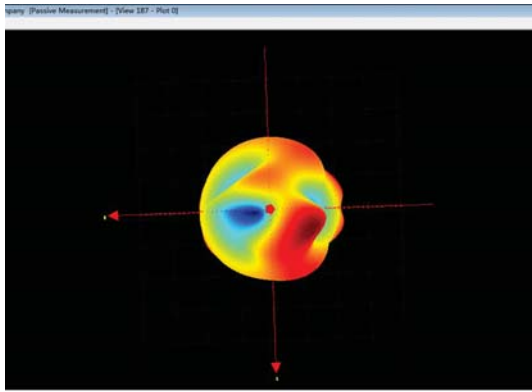
880MHz



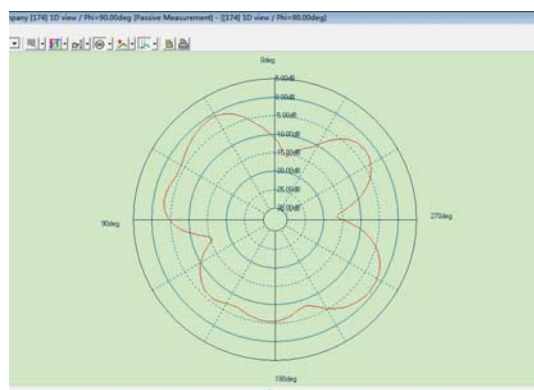
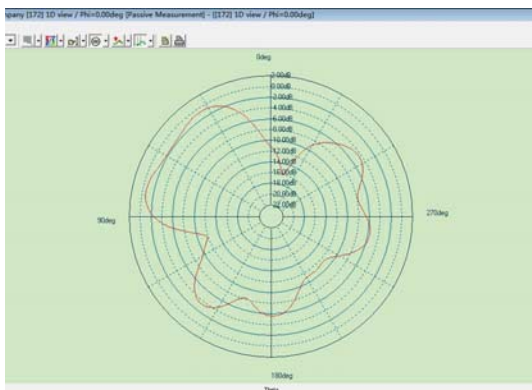
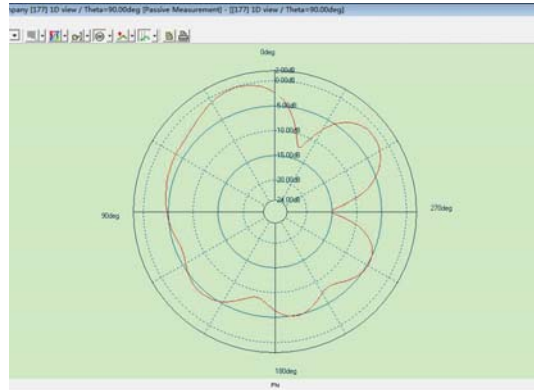
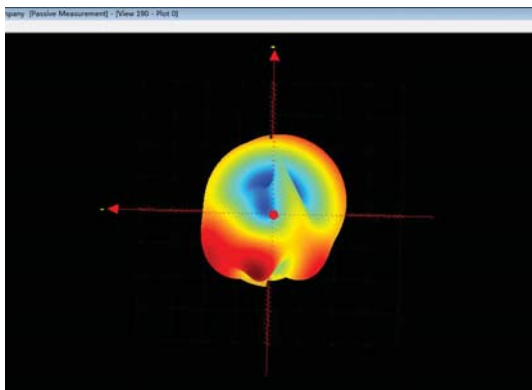
1750MHz



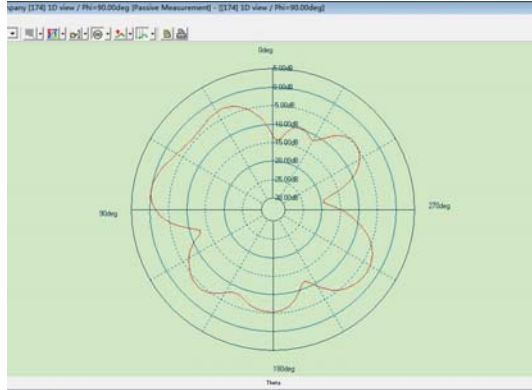
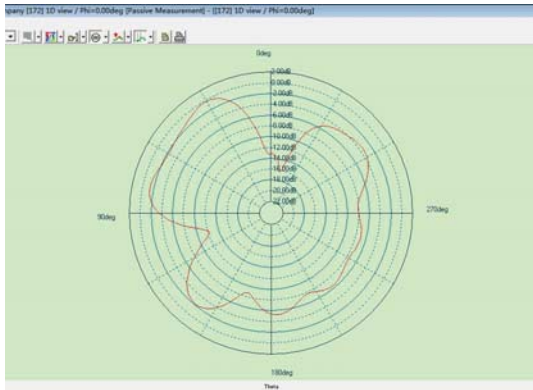
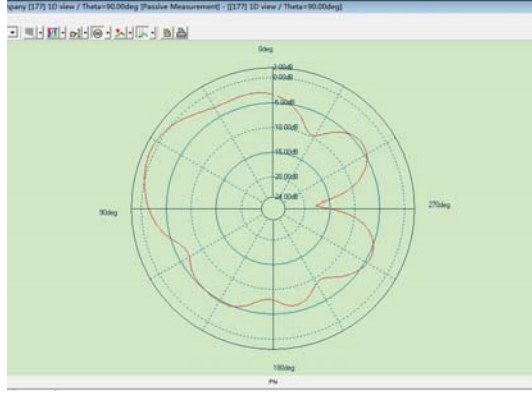
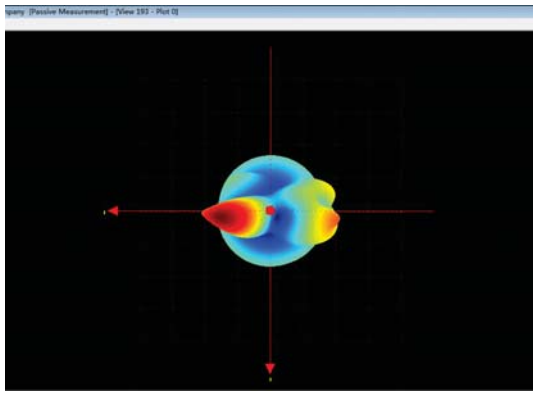
1950MHz



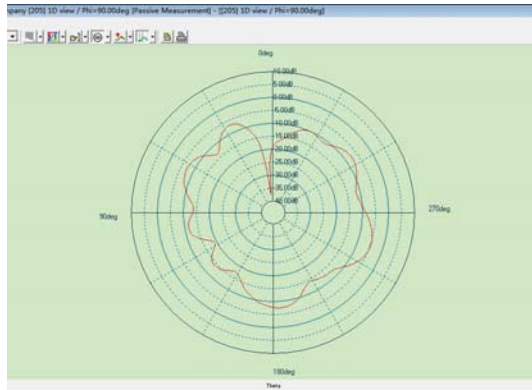
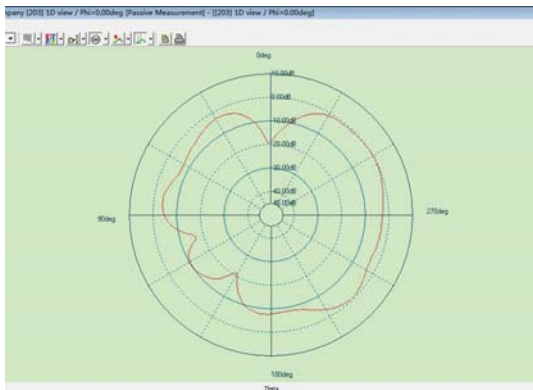
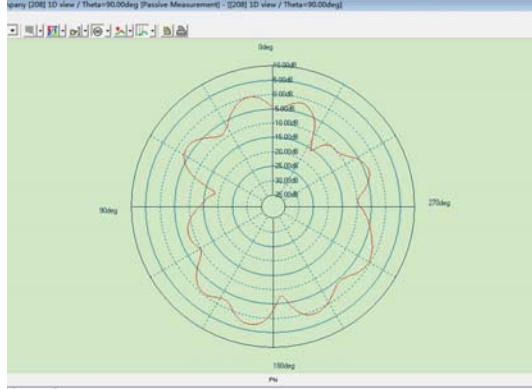
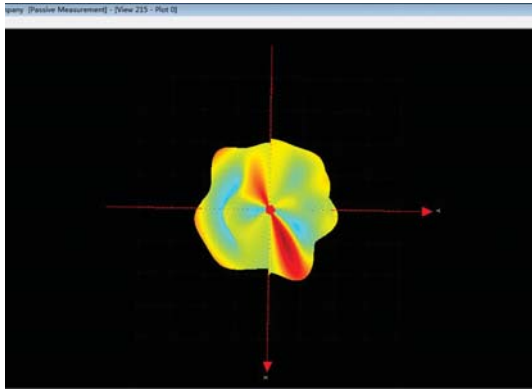
2350MHz



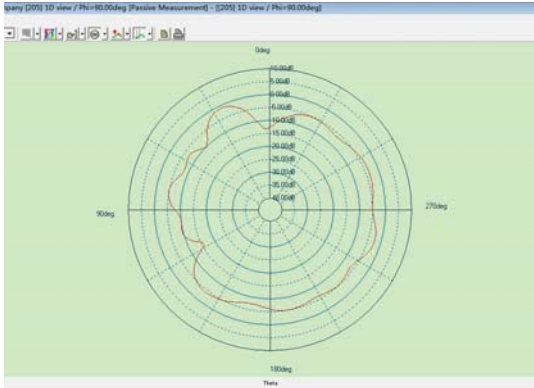
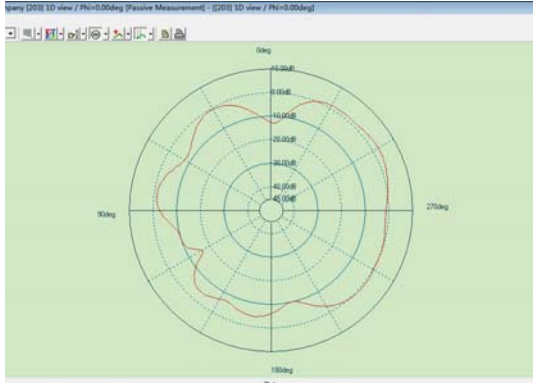
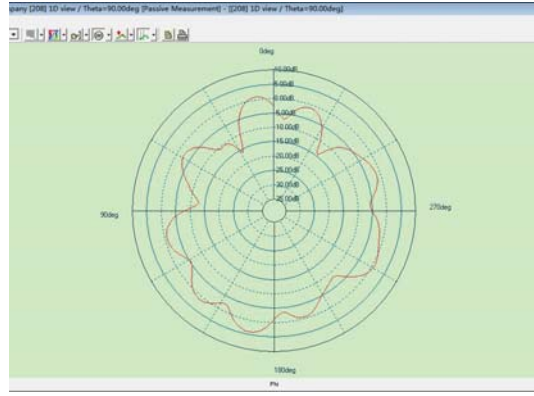
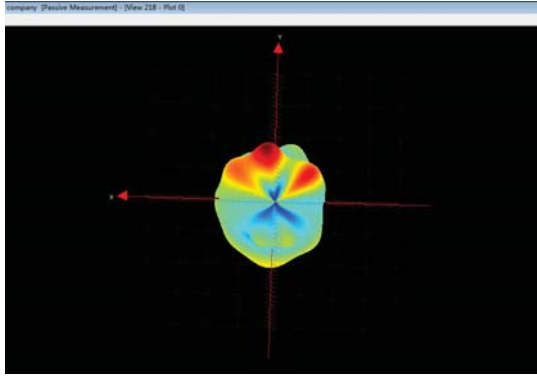
2590MHz



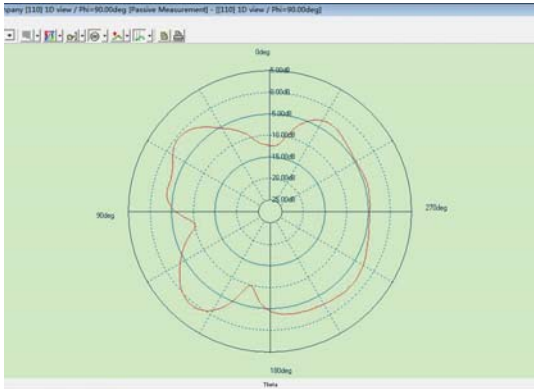
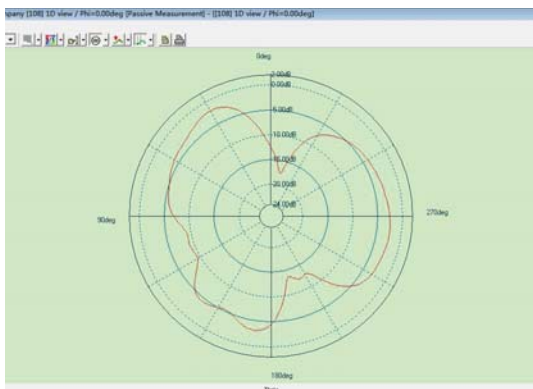
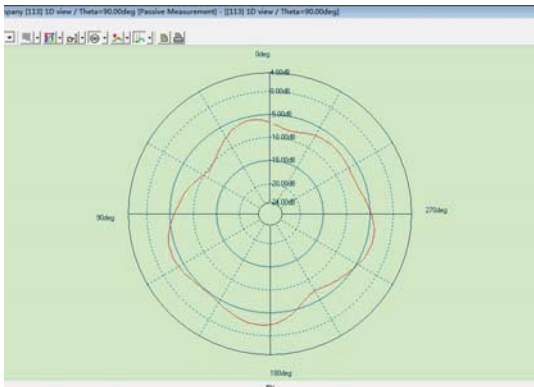
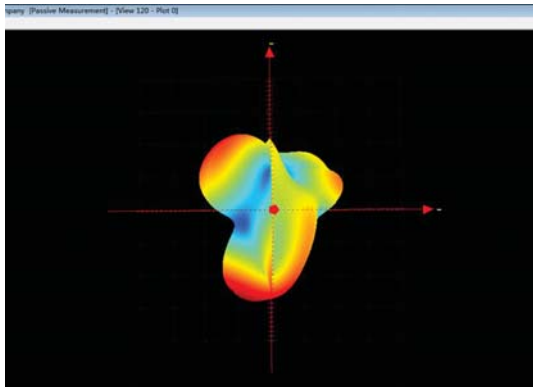
3500MHz



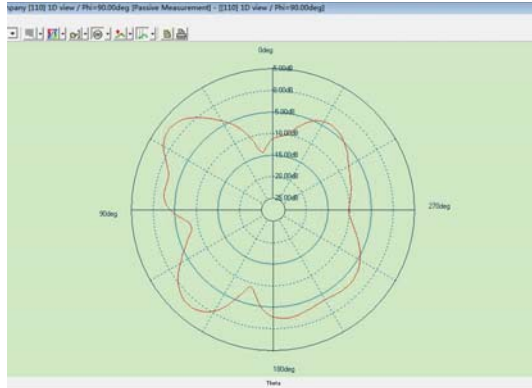
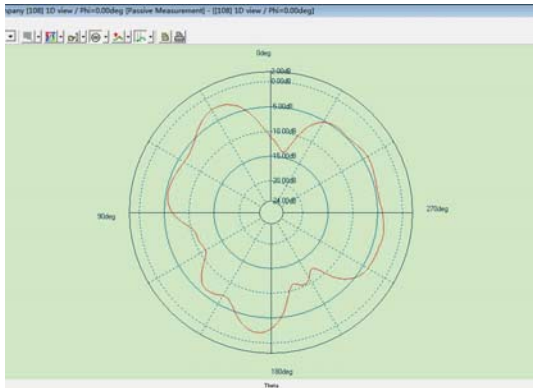
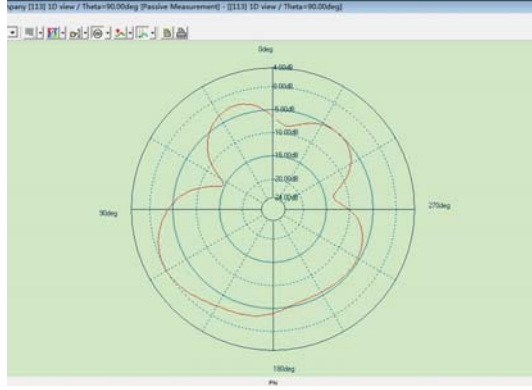
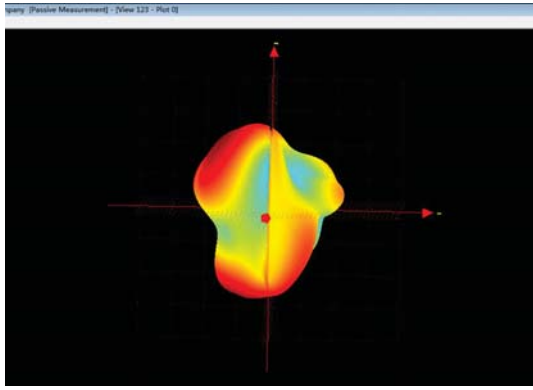
3700MHz



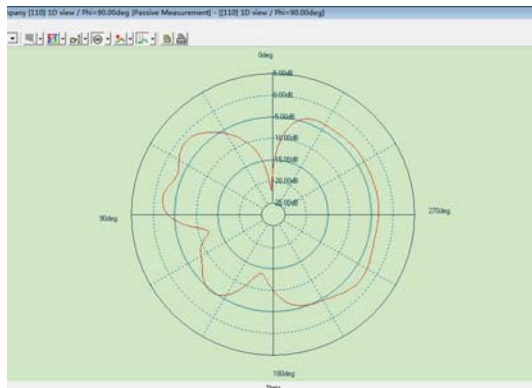
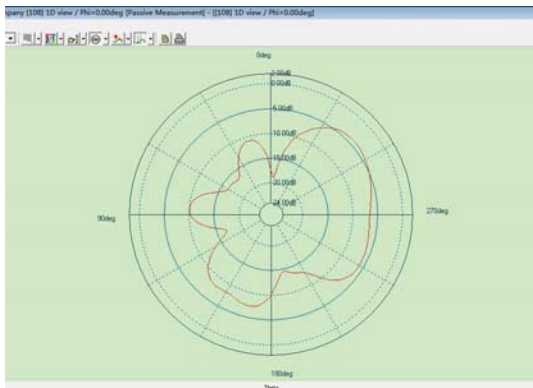
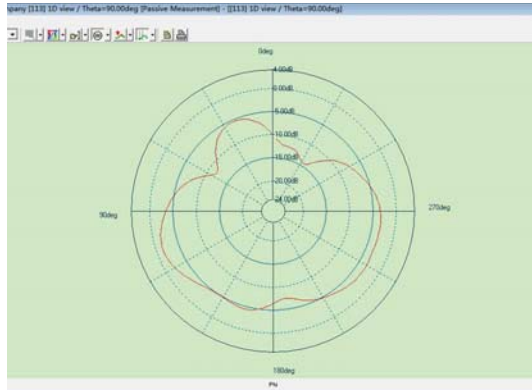
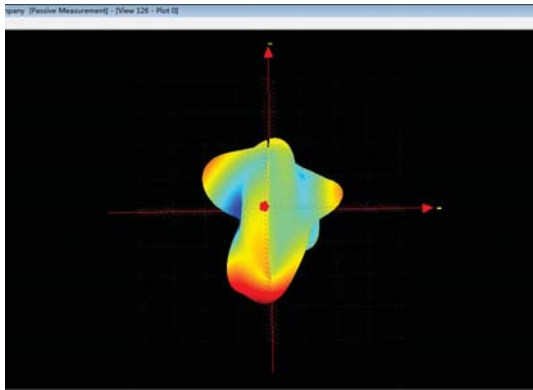
ANT1 1750MHz



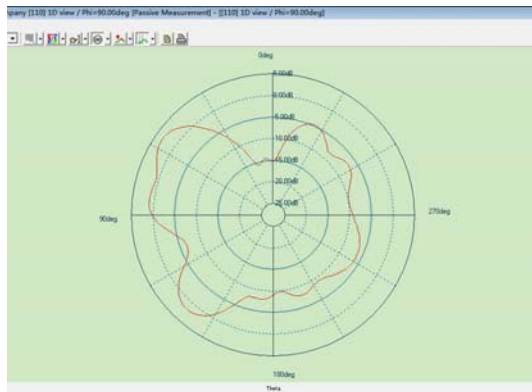
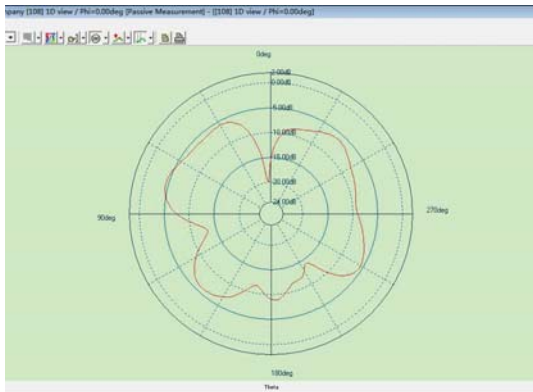
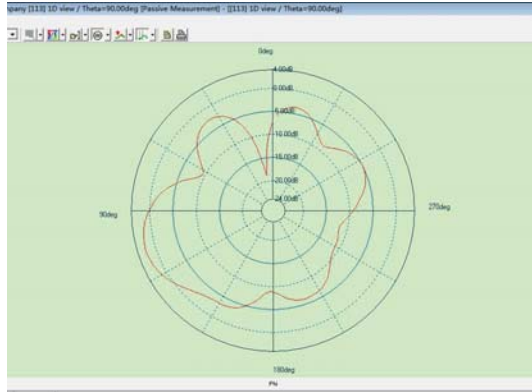
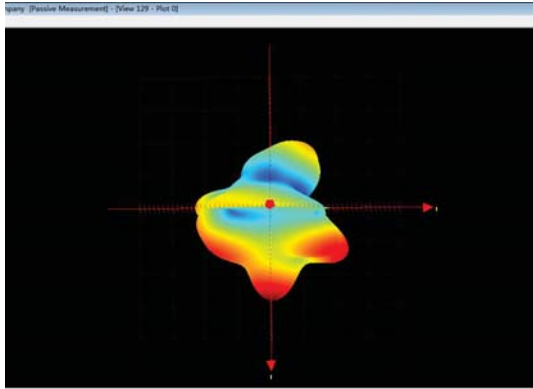
1950MHz



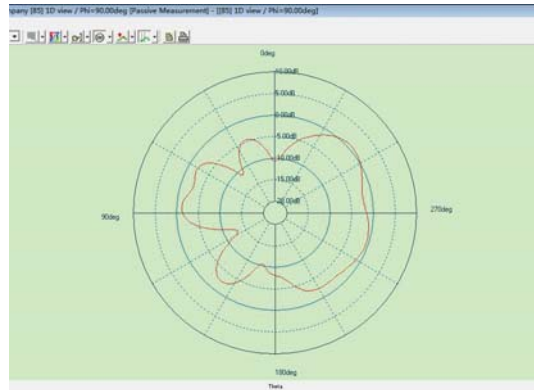
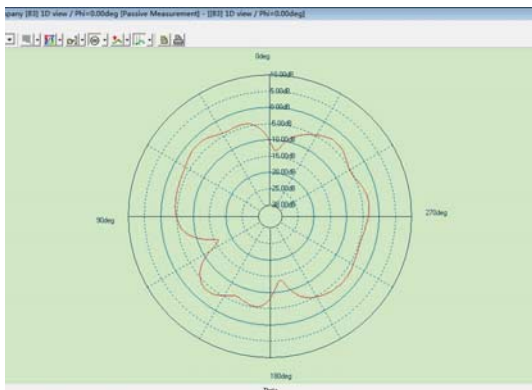
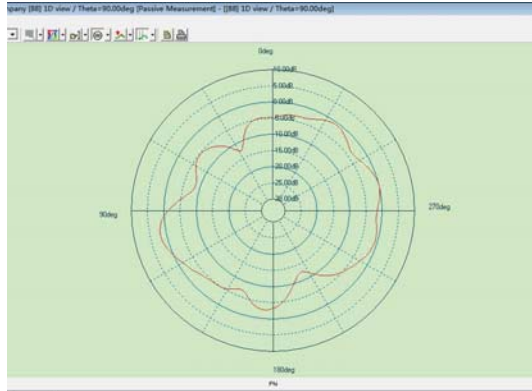
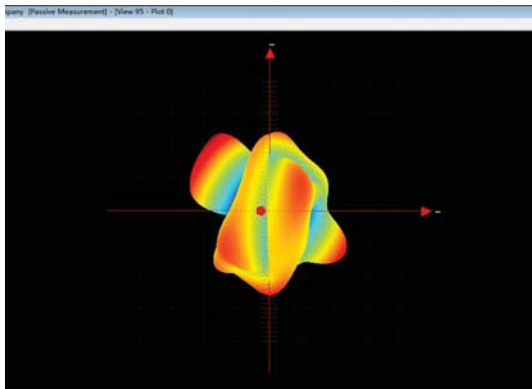
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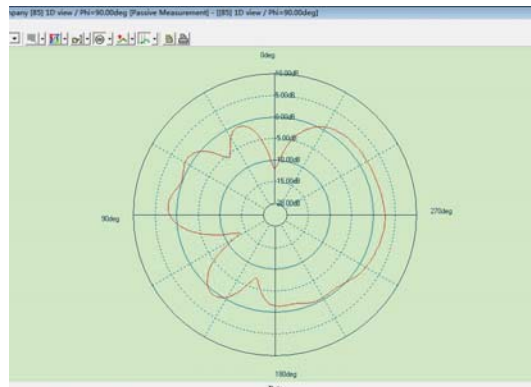
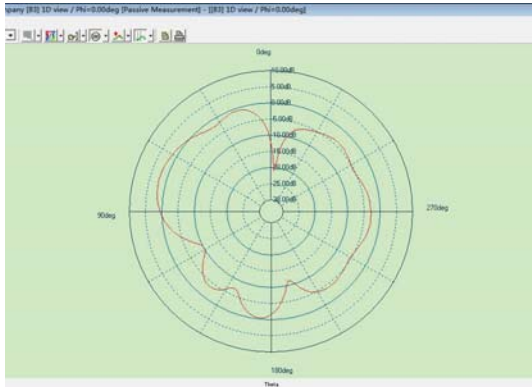
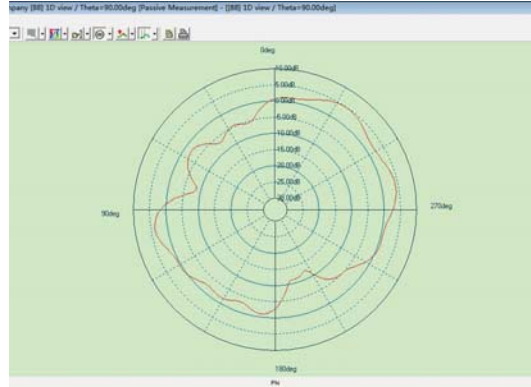
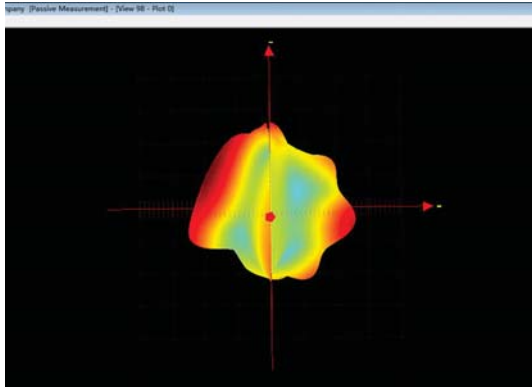
2590MHz



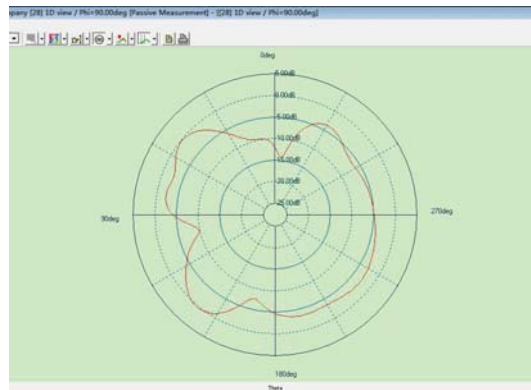
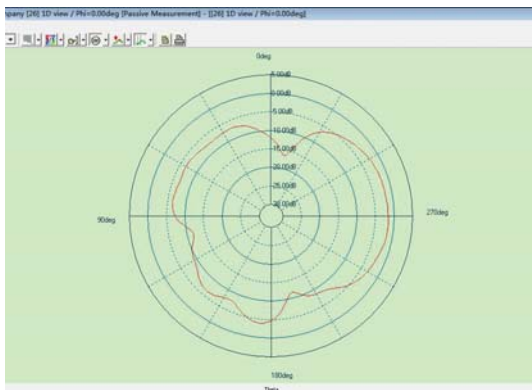
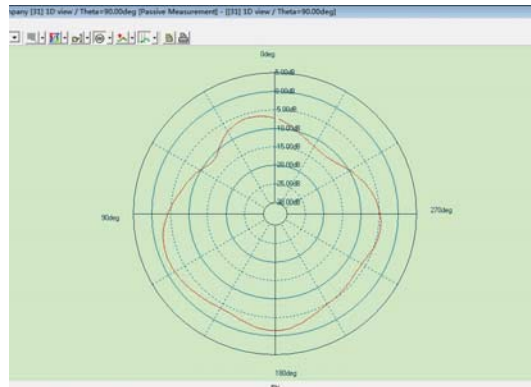
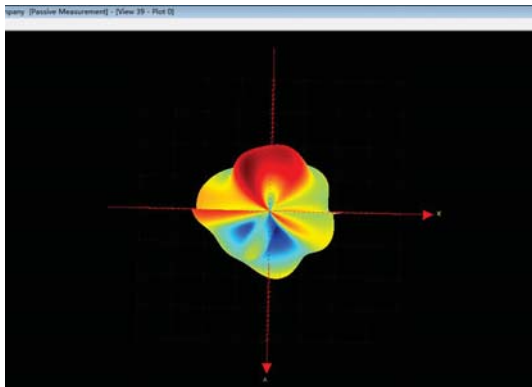
3500MHz



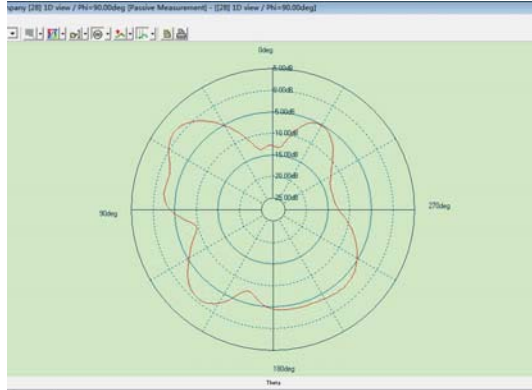
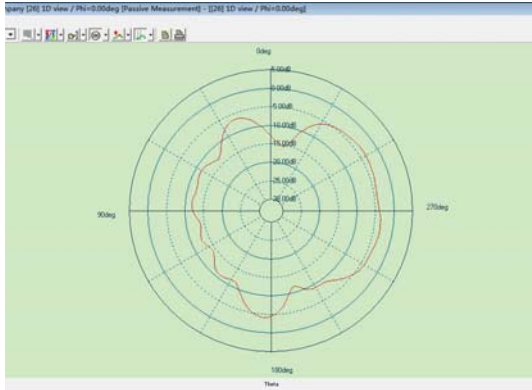
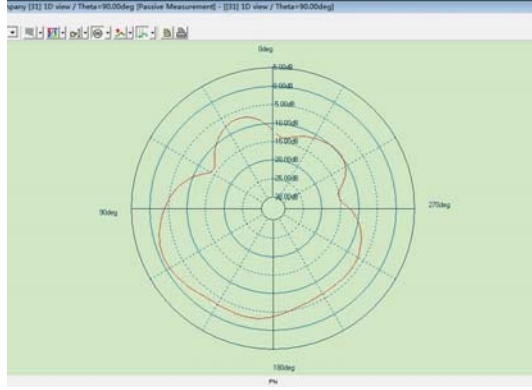
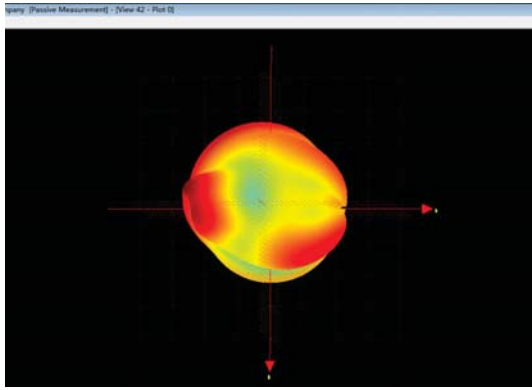
3700MHz



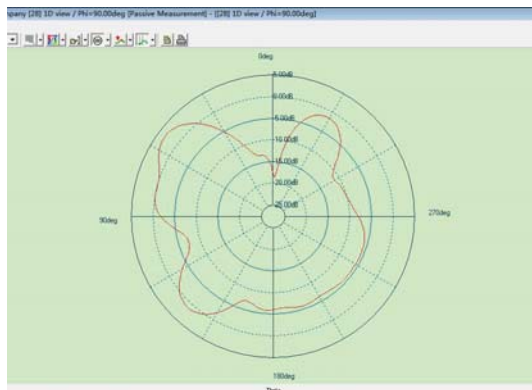
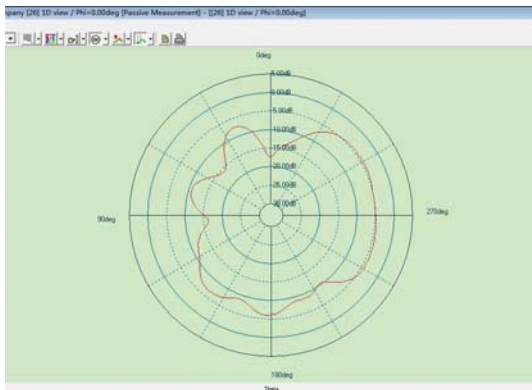
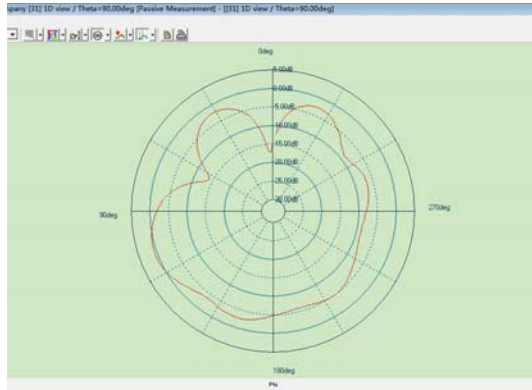
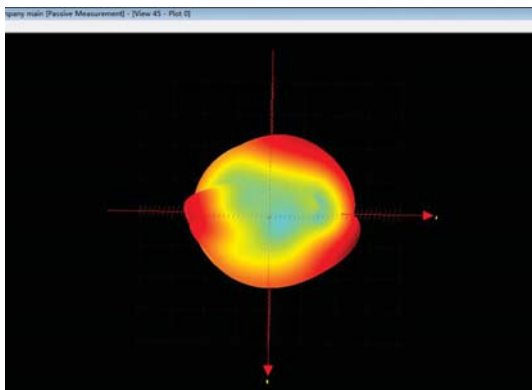
ANT2 1750MHz



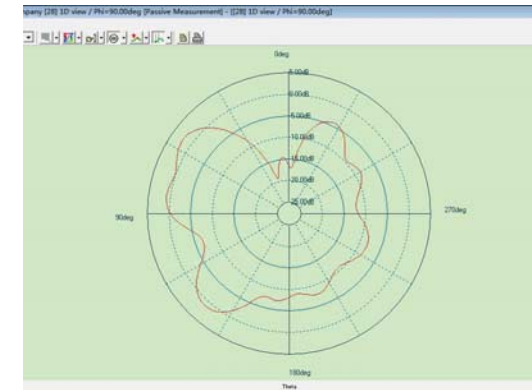
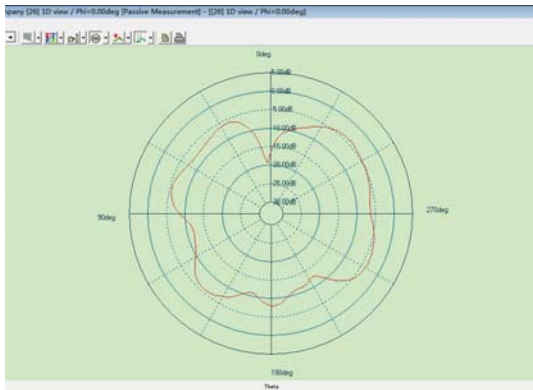
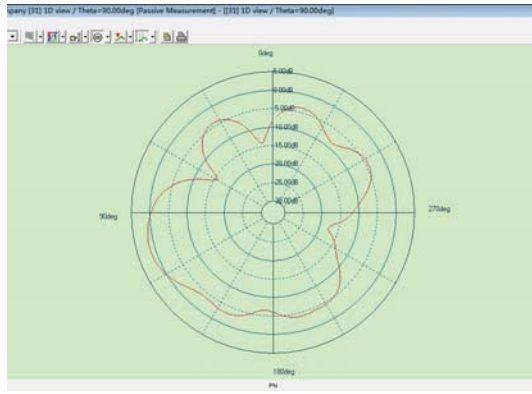
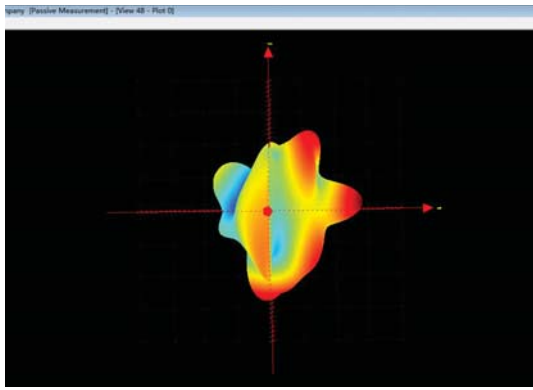
1950MHz



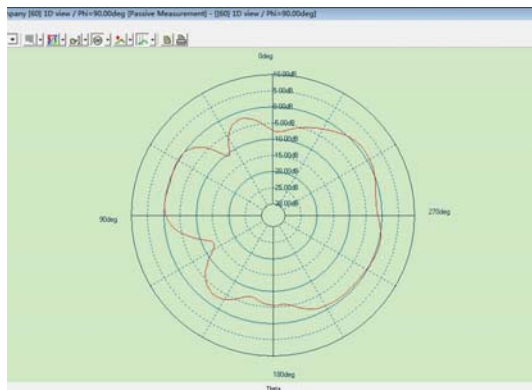
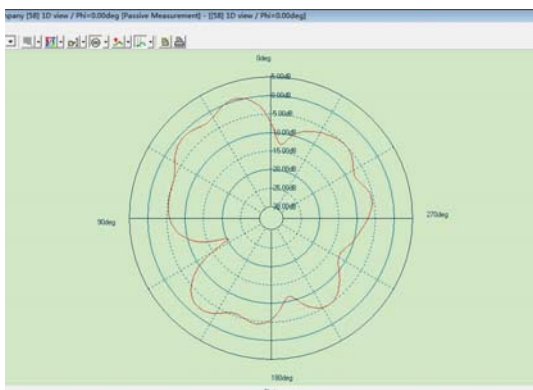
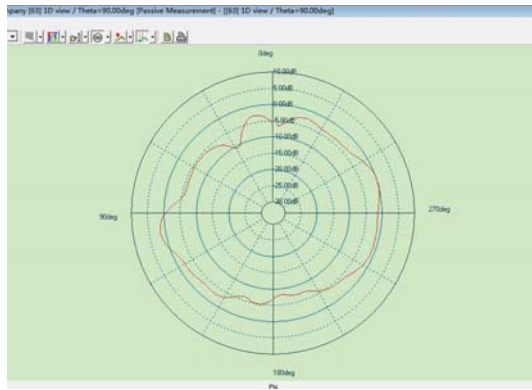
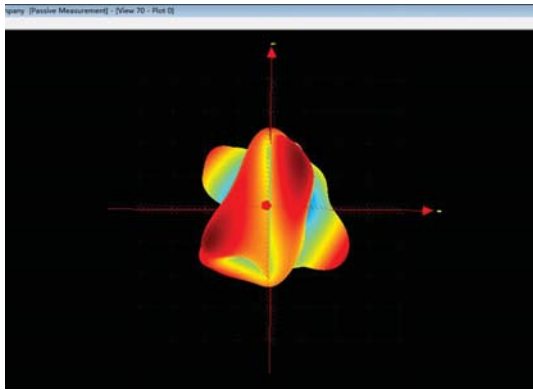
2350MHz



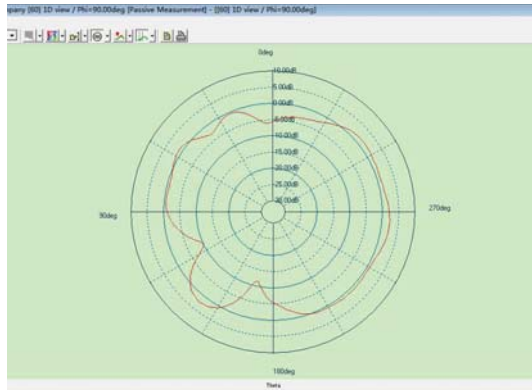
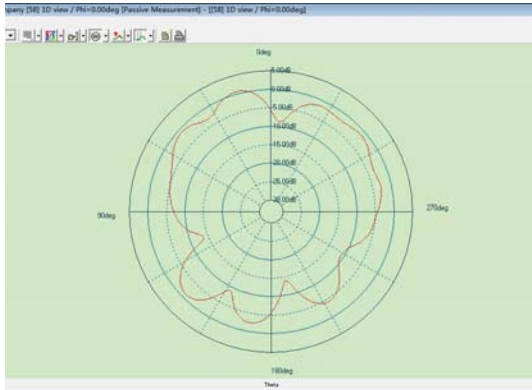
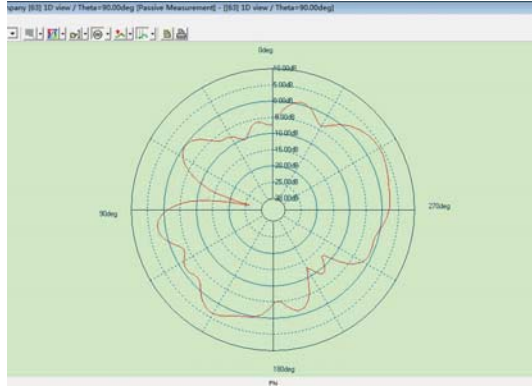
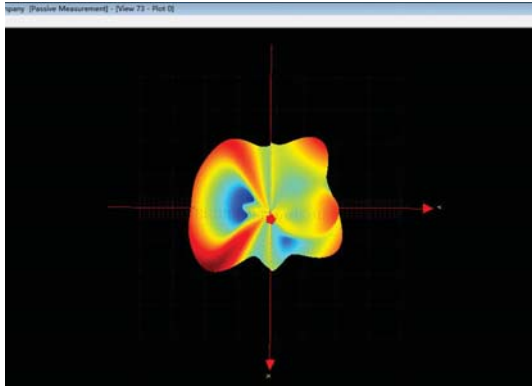
2590MHz



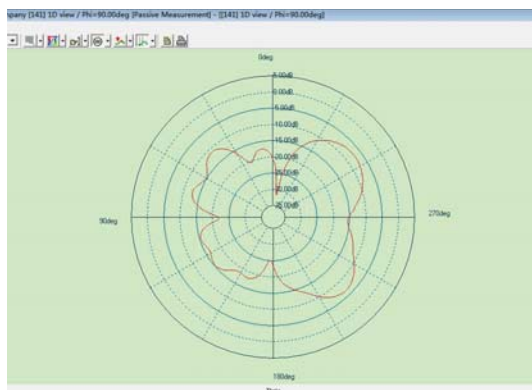
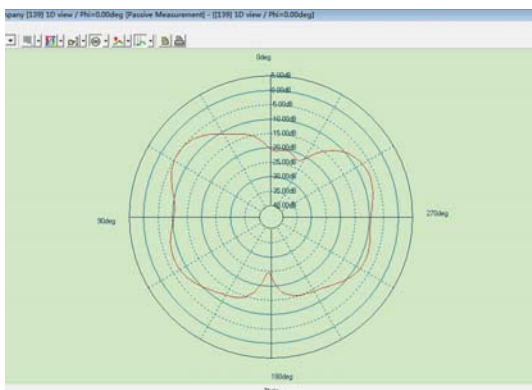
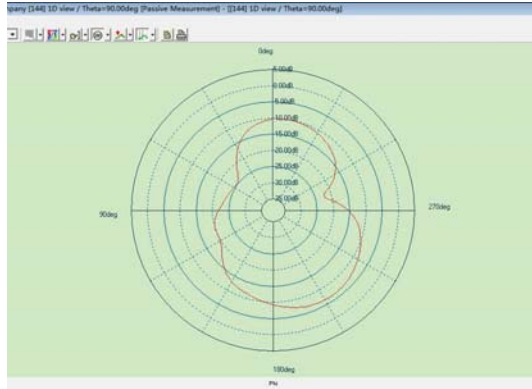
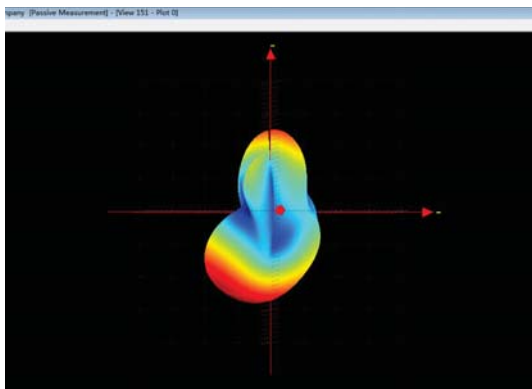
3500MHz



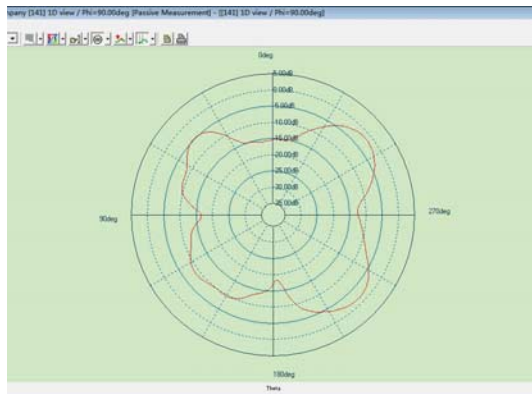
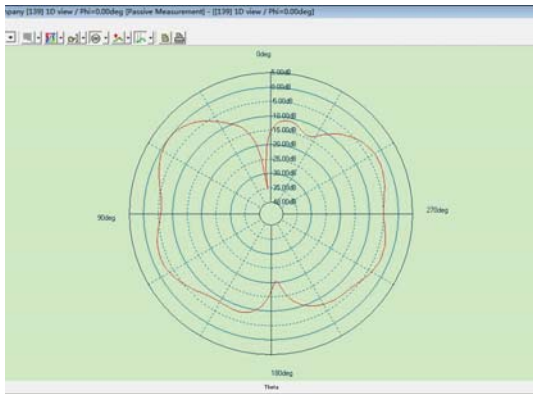
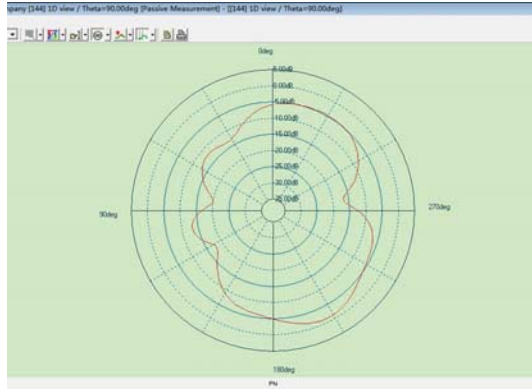
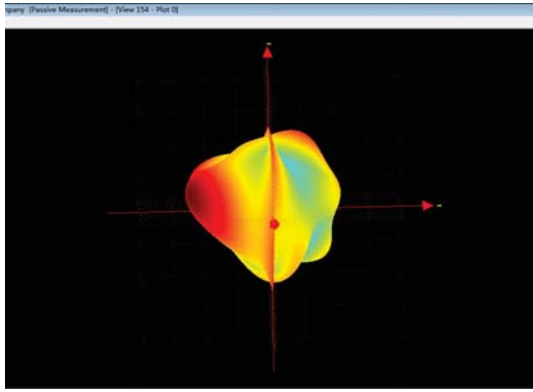
3700MHz



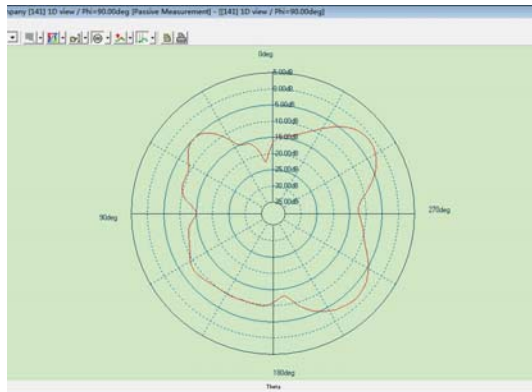
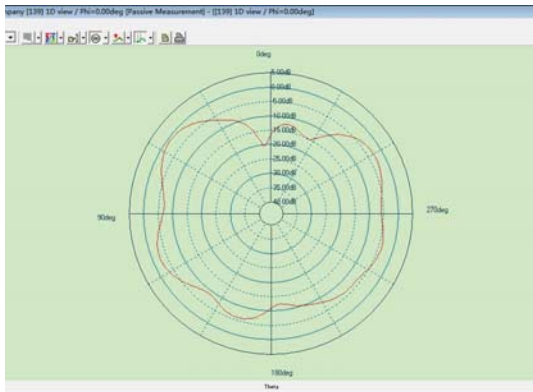
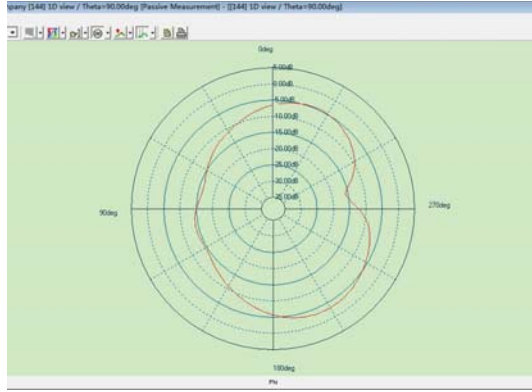
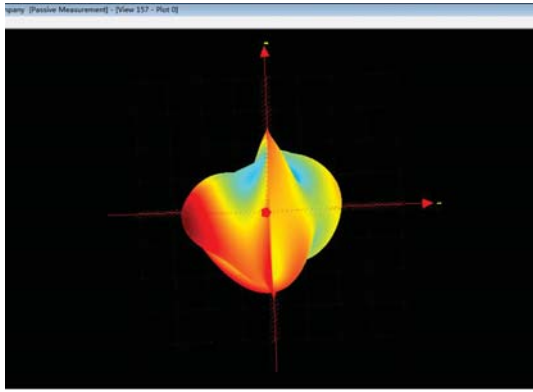
ANT3 740MHz



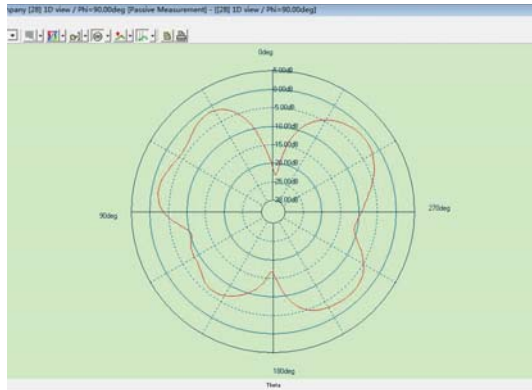
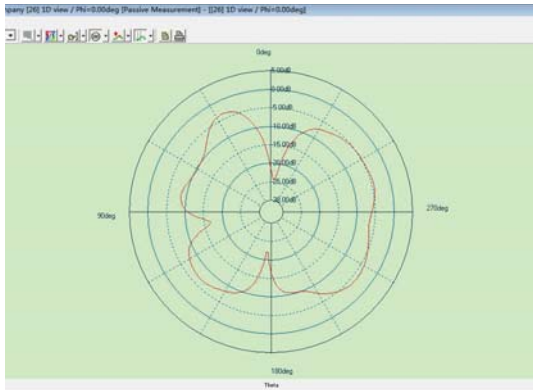
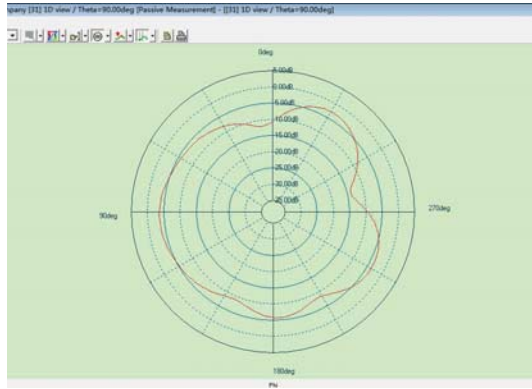
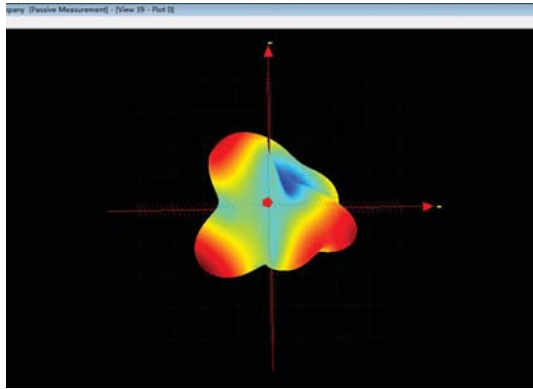
840MHz



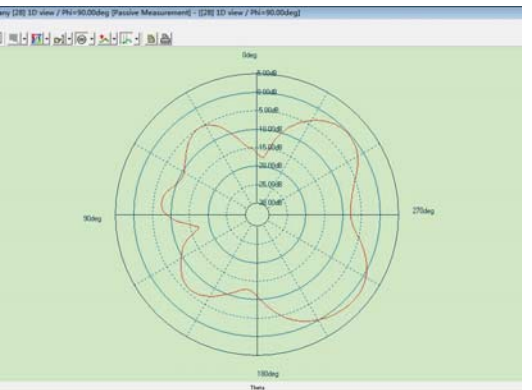
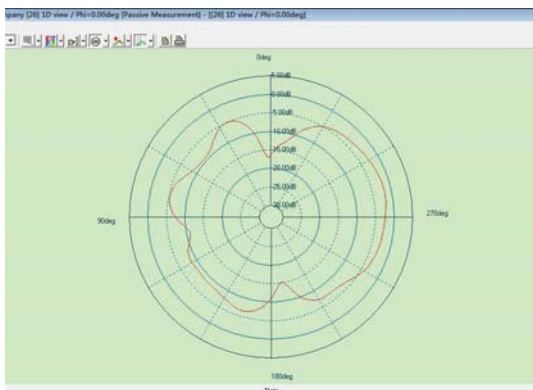
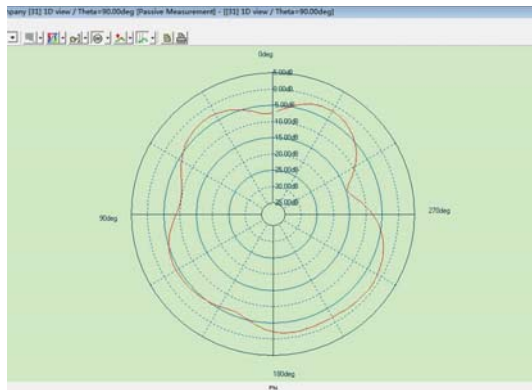
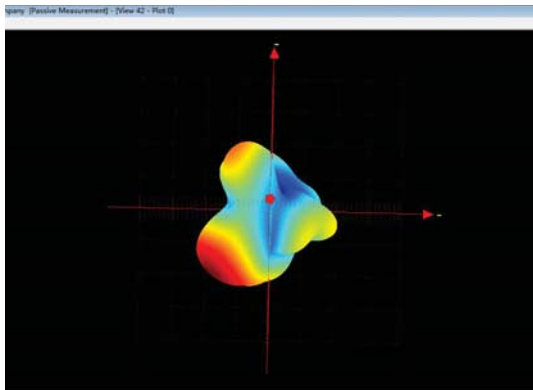
880MHz



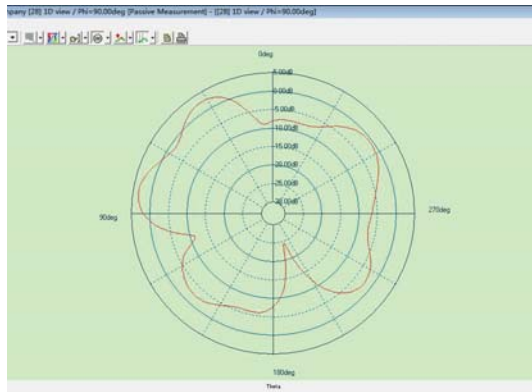
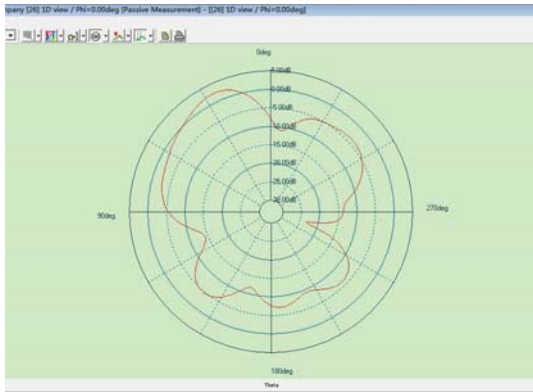
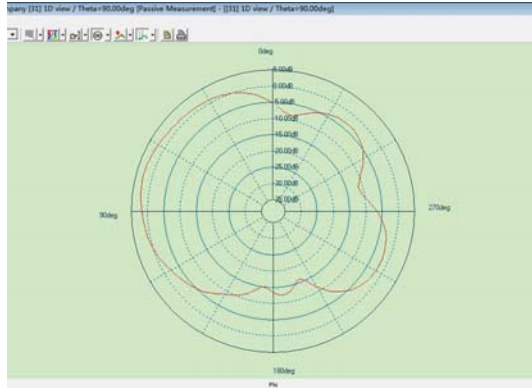
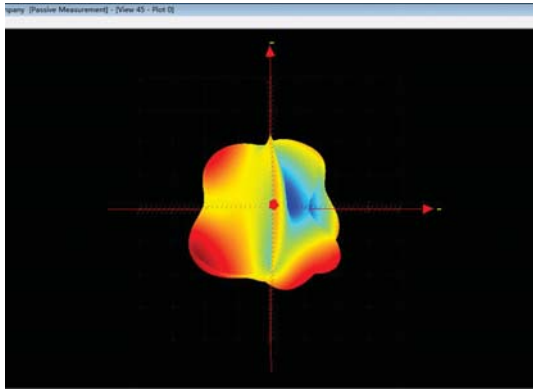
1750MHz



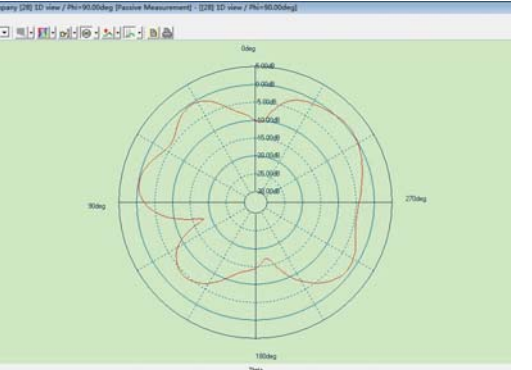
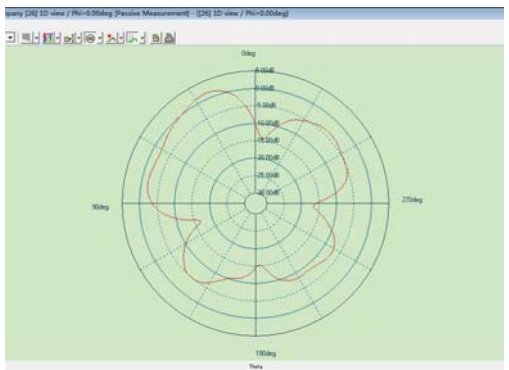
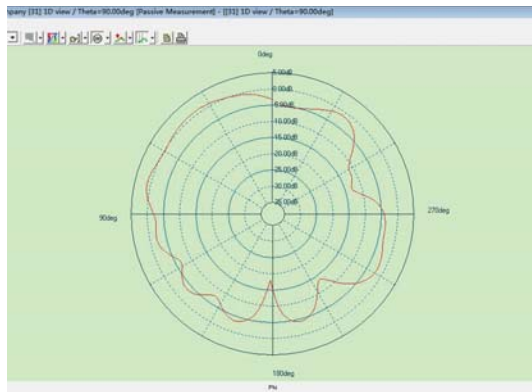
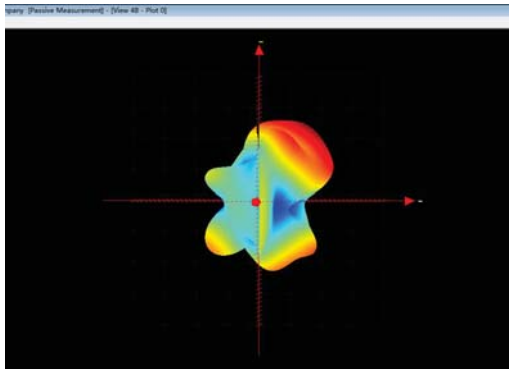
1950MHz



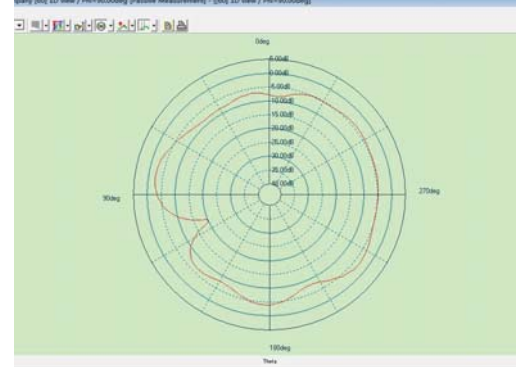
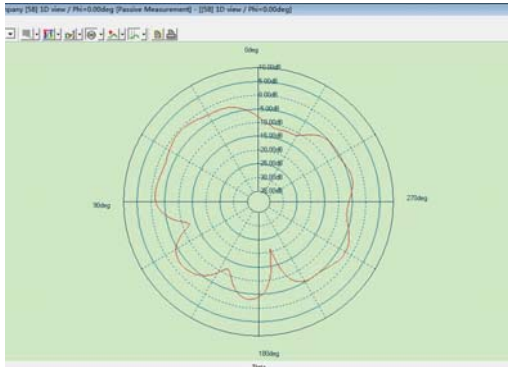
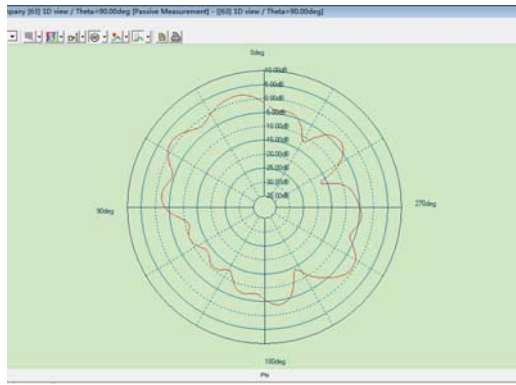
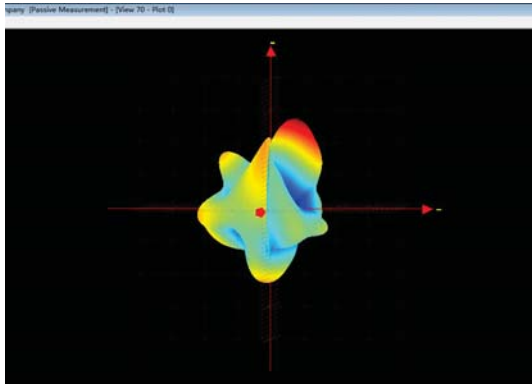
2350MHz



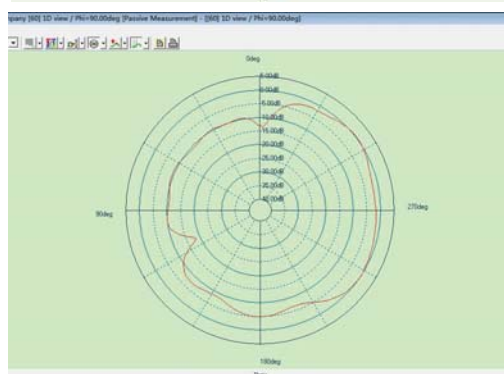
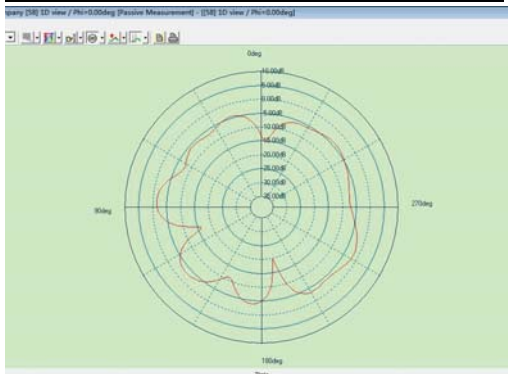
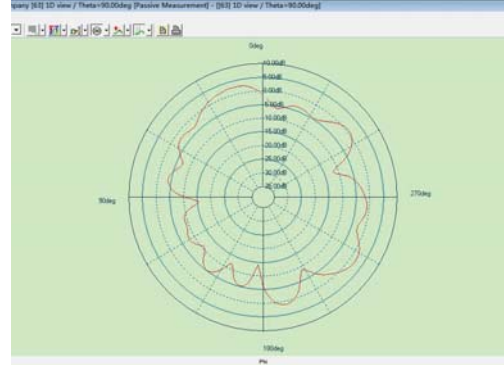
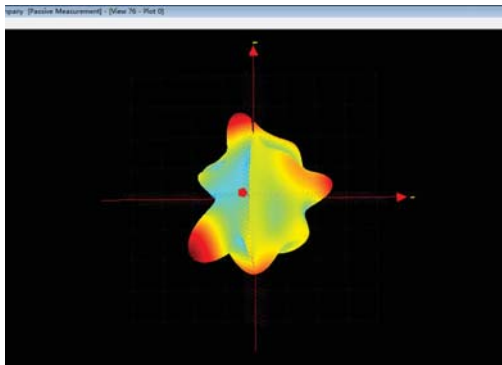
2590MHz



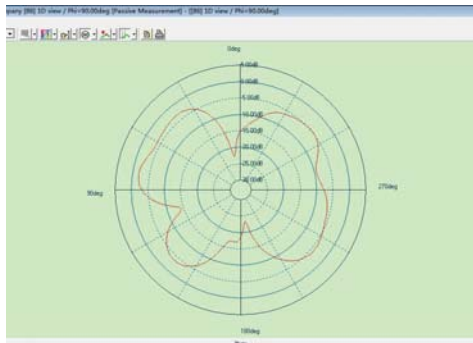
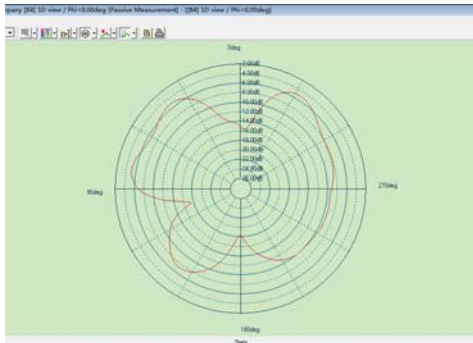
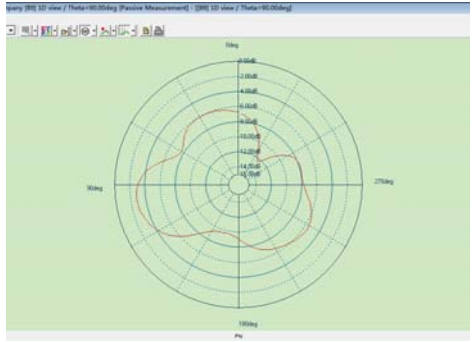
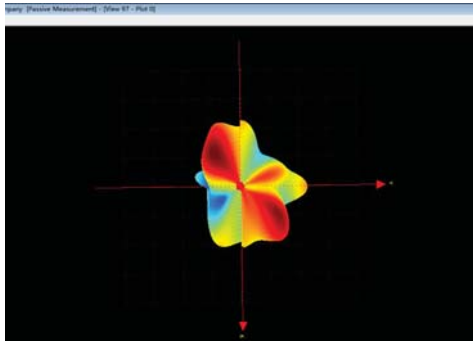
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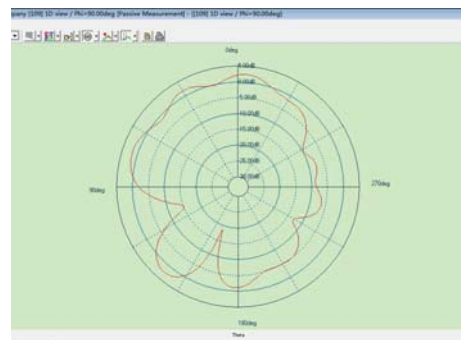
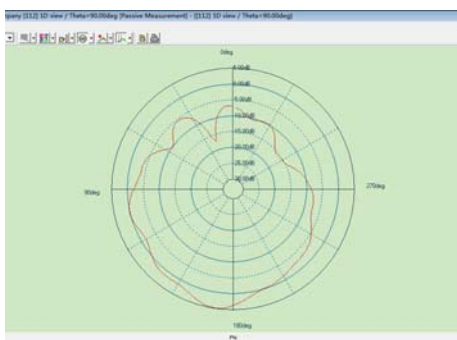
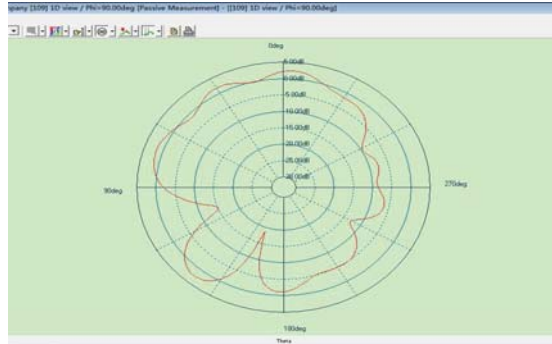
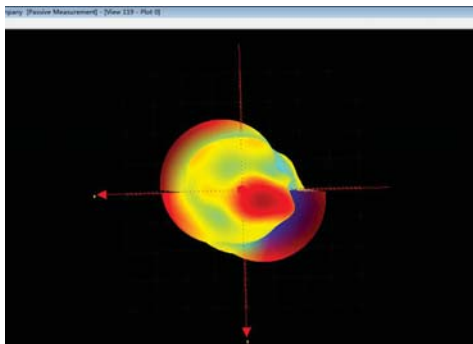
3700MHz



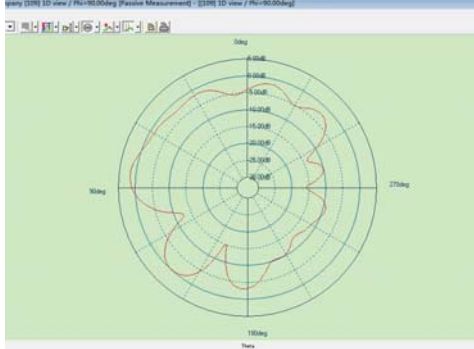
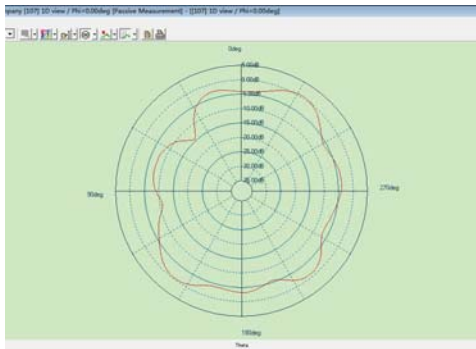
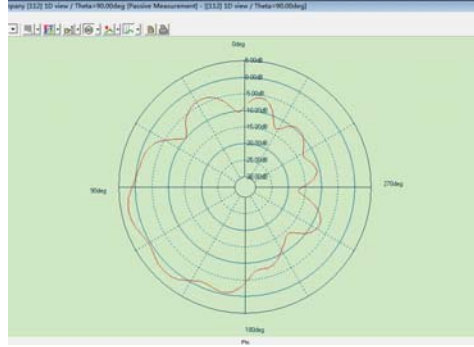
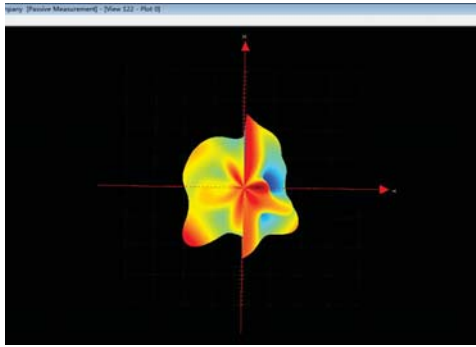
ANT 4 2440MHz



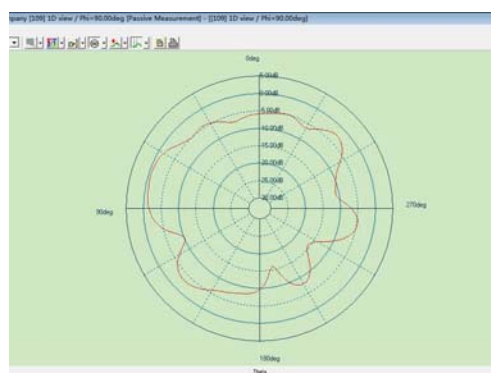
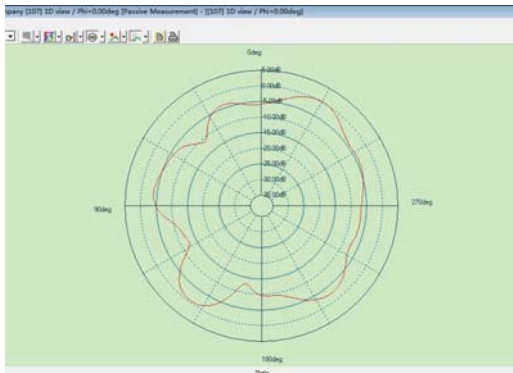
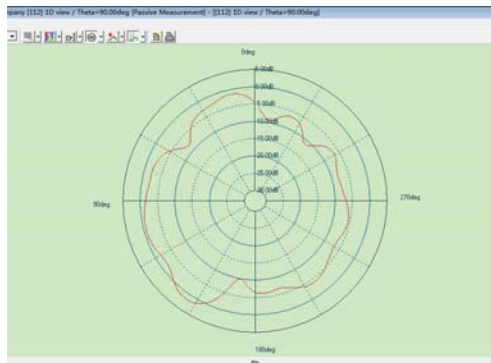
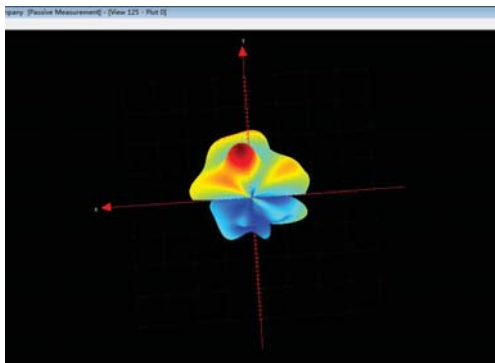
5180MHz



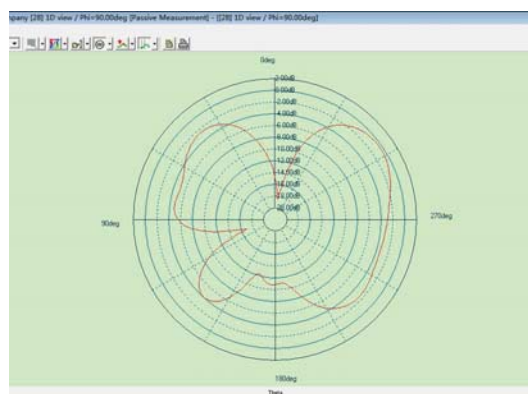
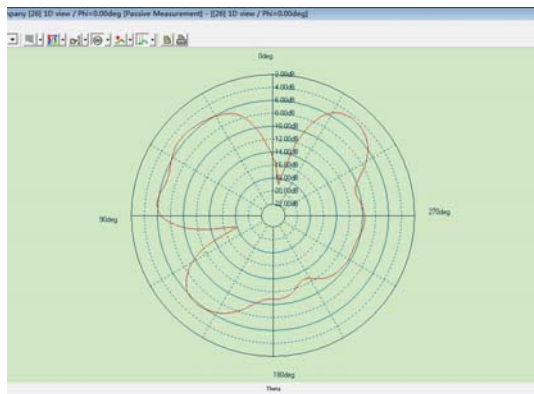
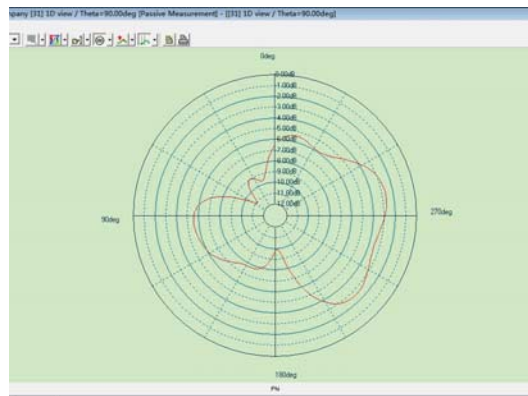
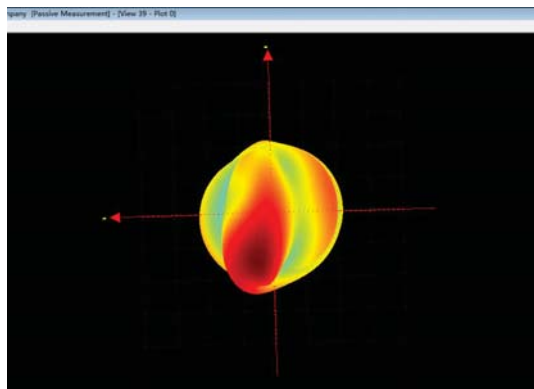
5680MHz



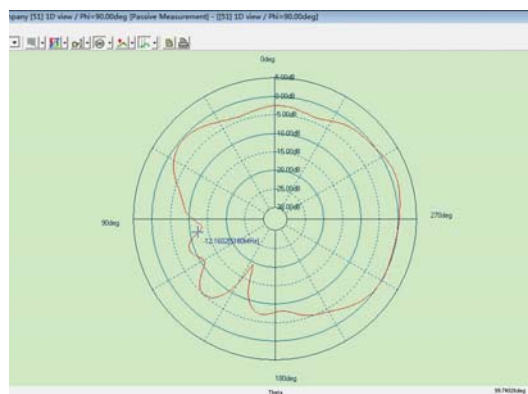
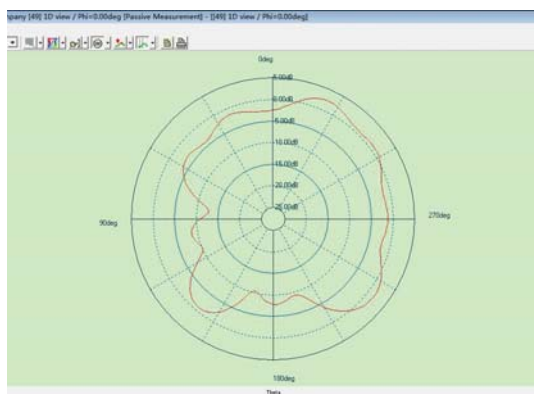
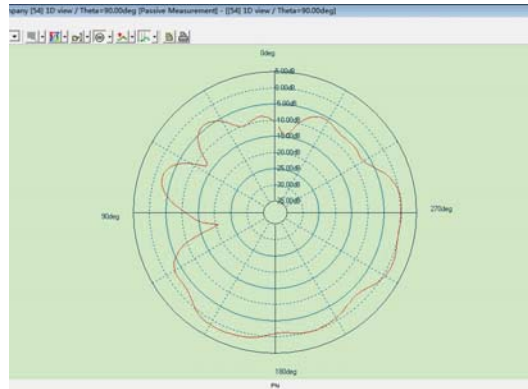
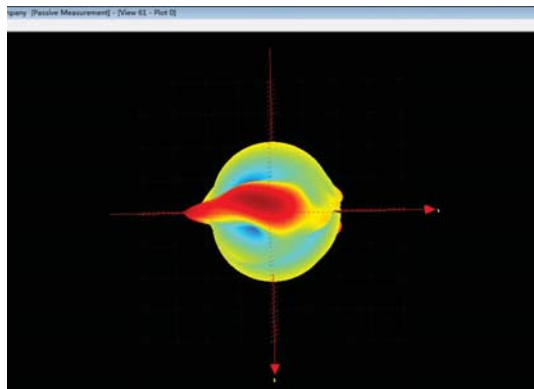
5820MHz



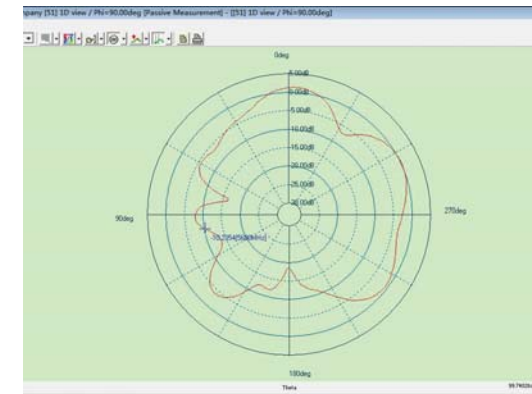
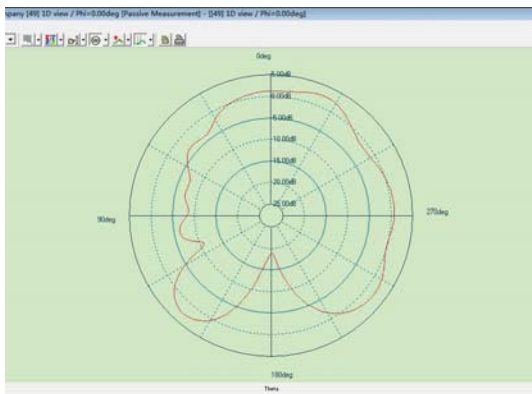
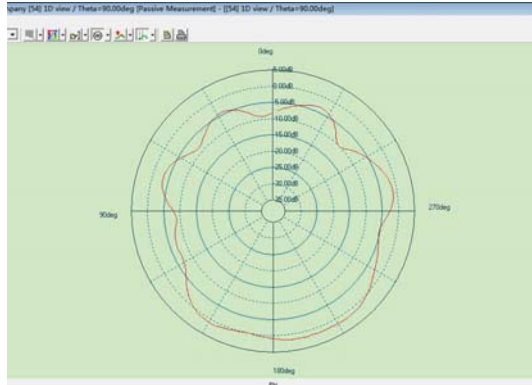
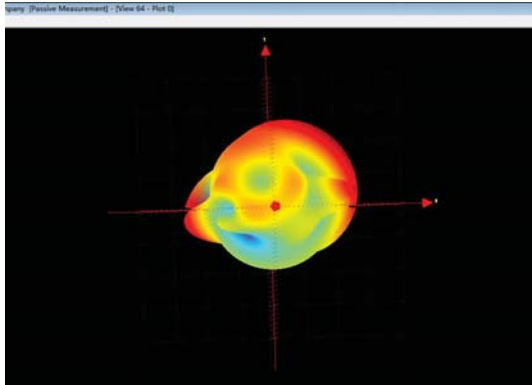
ANT5 2440MHz



5180MHz



5680MHz



5820MHz

