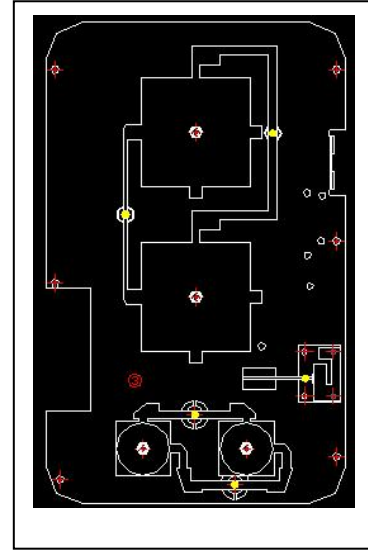




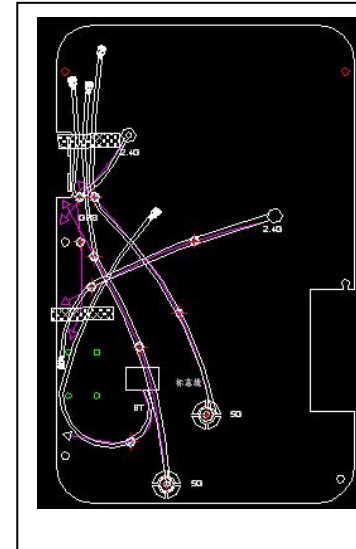
WLAN directional CPE antenna specifications

EXD-2425515909VH-70-5MHF (item: AP-T567)

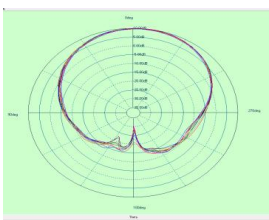
电性能指标 Electrical specifications					
Antenna type	2.4G directive antenna		5G directive antenna		BT antenna
频率范围(MHz) / Frequency range(MHz)	2400-2483		5150-5850		2400-2483
电压驻波 / VSWR	≤2.0		≤2.0		≤2.0
输入阻抗(ohm) / Impedance(ohm)	50 Ω				
增益(dBi) / Gain(dBi)	9dbi		9dbi		4.5dbi
极化形式 / Polarization	vertical	level	vertical	level	linearly polarized
水平面波束宽度 / H plan beam width	70°	55°	55°	75°	NA
垂直面波束宽度 / V plan beam width	40°	40°	33°	33°	NA
隔离度 / Isolation(DB)	>15 dB				NA
最大输入功率(W) / Max input power(W)	20 W				
雷电保护 / Lightning protection	直流接地 / DC ground				
机械指标 Mechanical specifications					
反射板尺寸(mm) / Dimensions(mm)	219mm (L) × 136mm (W)				
接口形式 / Connector	MHF				
电缆类型 / Cable	1.37black line	1.37White line		1.37blue line	
电缆长度/Length	1: 105mm 2: 160mm	1: 186mm 2: 192.5mm		199.5mm	



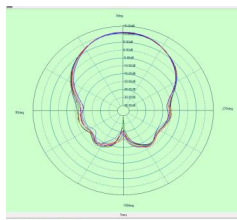
front view



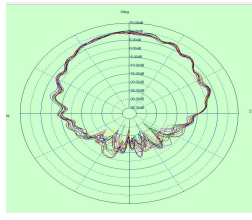
back view



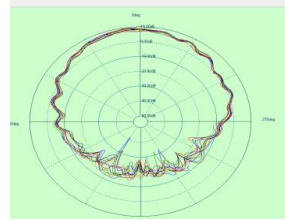
2.4G Vertical polarization
2D diagram



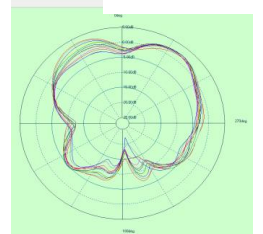
2.4G Horizontal
polarization 2D diagram



5G Vertical polarization
2D diagram



5G Horizontal
polarization 2D diagram



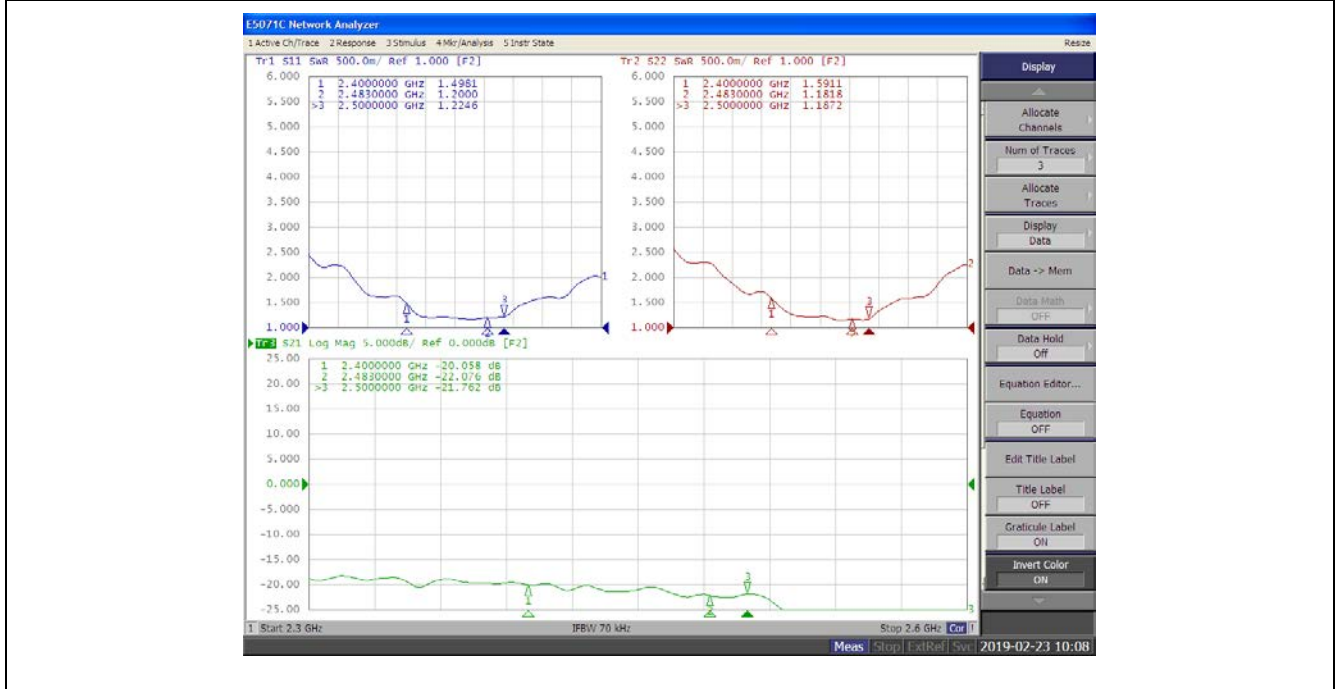
5G BT Antenna 2D
pattern

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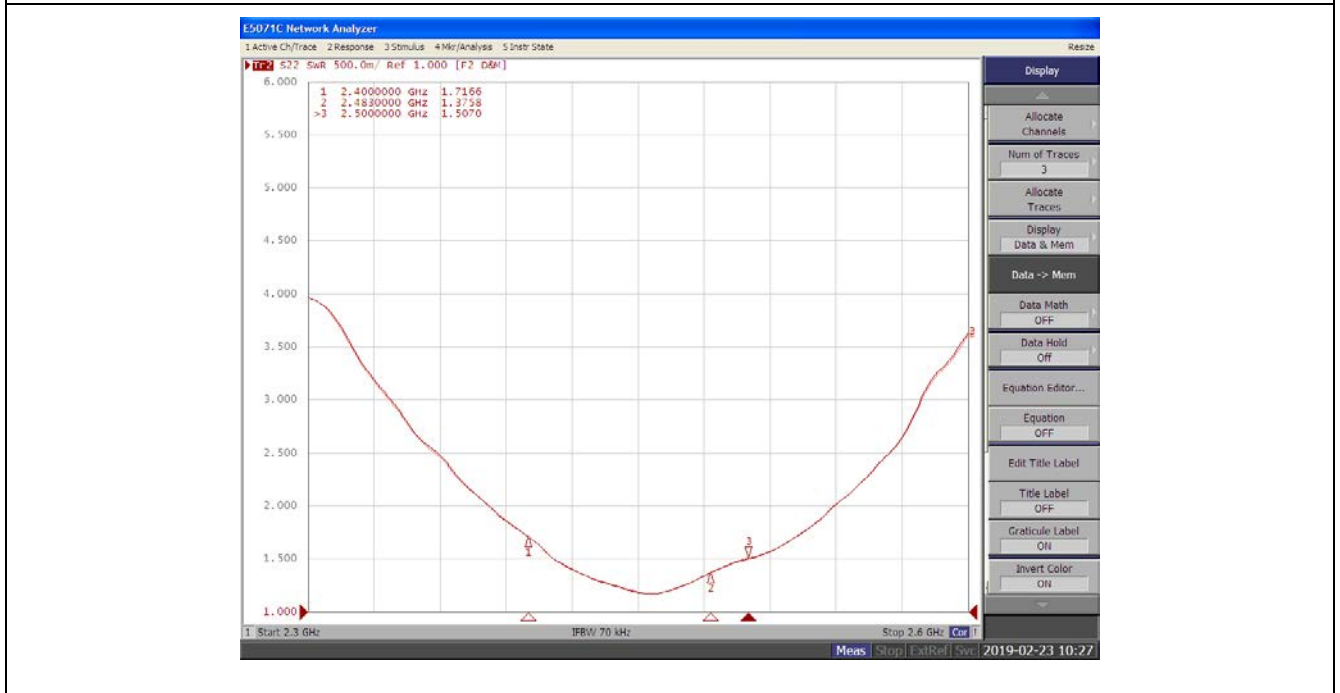


EXD-2425515909VH-70-5MHF (AP680CD) Antenna test report

一、 VSWR and Isolation



2.4G Antenna VSWR and Isolation



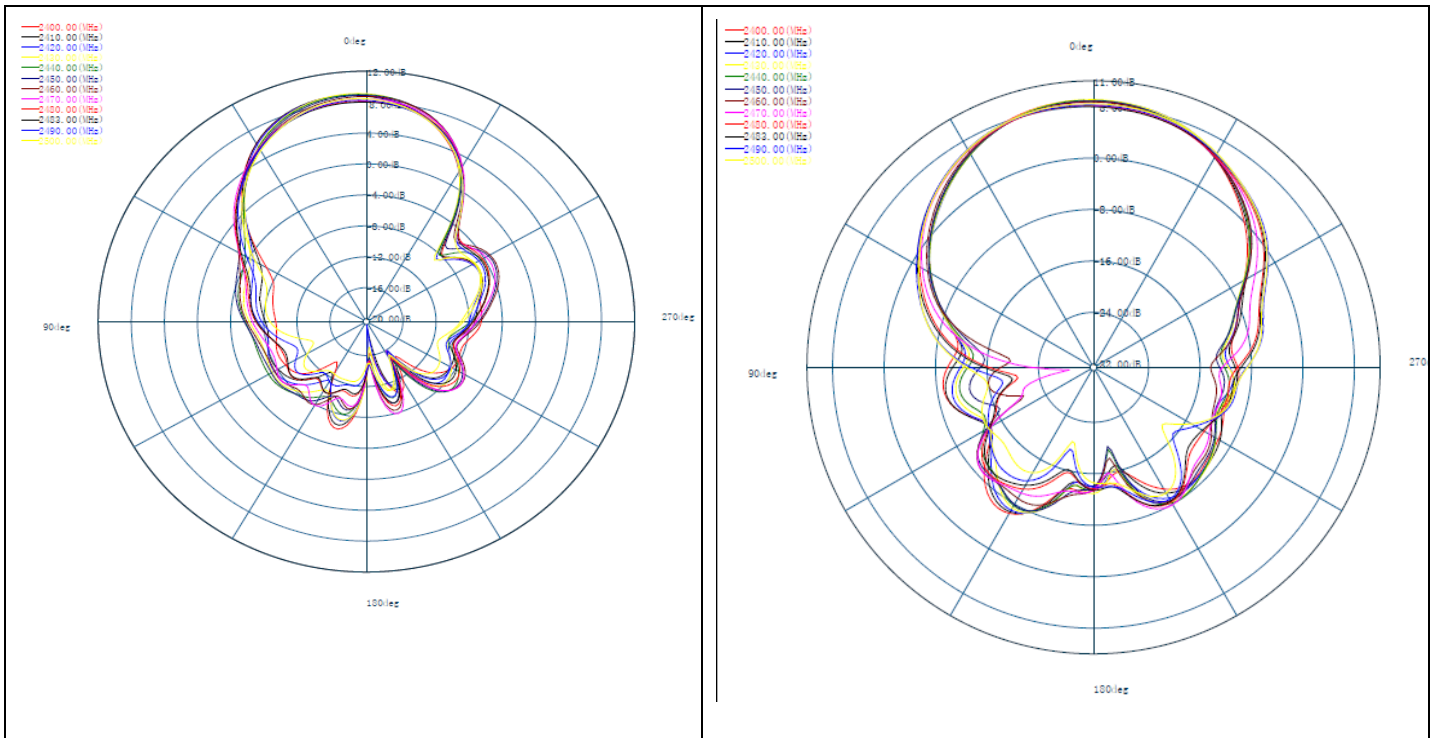


BT Antenna VSWR



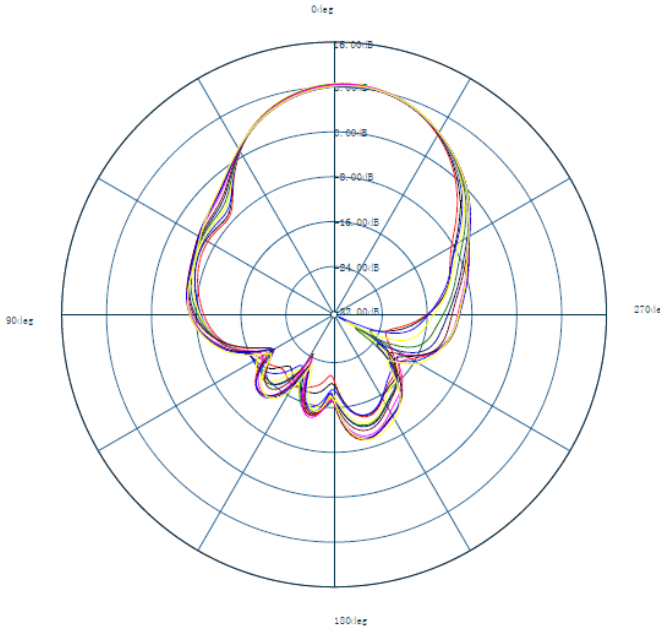
5G Antenna VSWR and Isolation

二、2D Directions

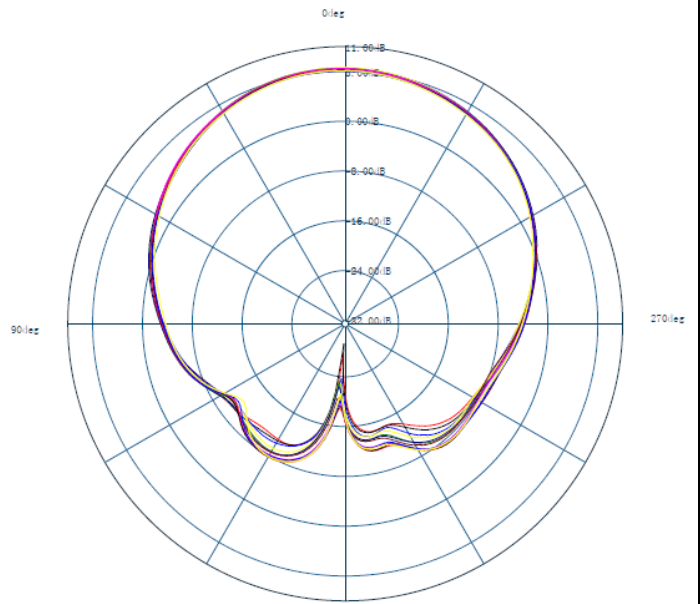




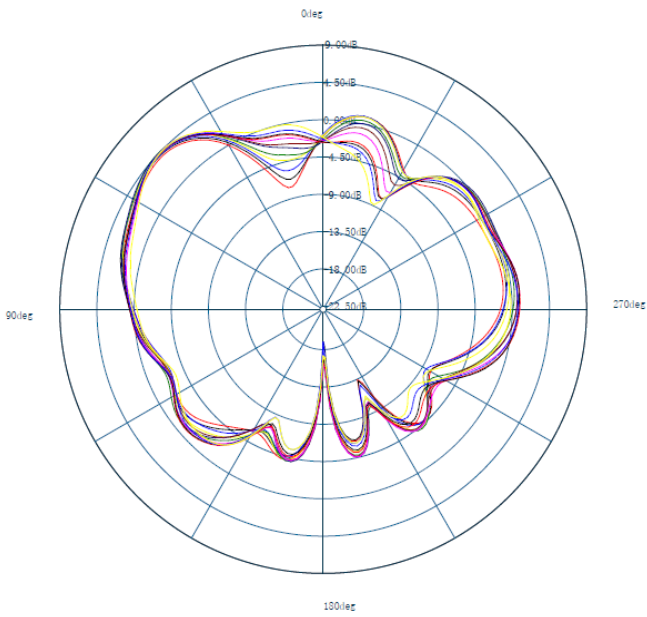
2.4G Antenna1,Phi=0 Degree, 2D



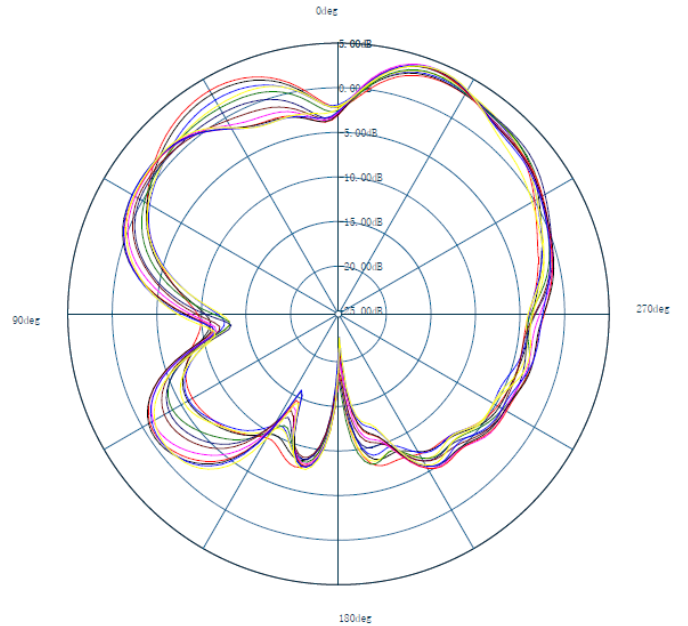
2.4G Antenna1,Phi=90 Degree, 2D



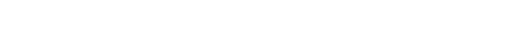
2.4G Antenna2,Phi=0 Degree, 2D



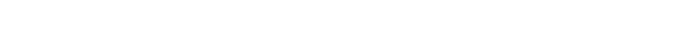
2.4G Antenna2,Phi=90 Degree, 2D

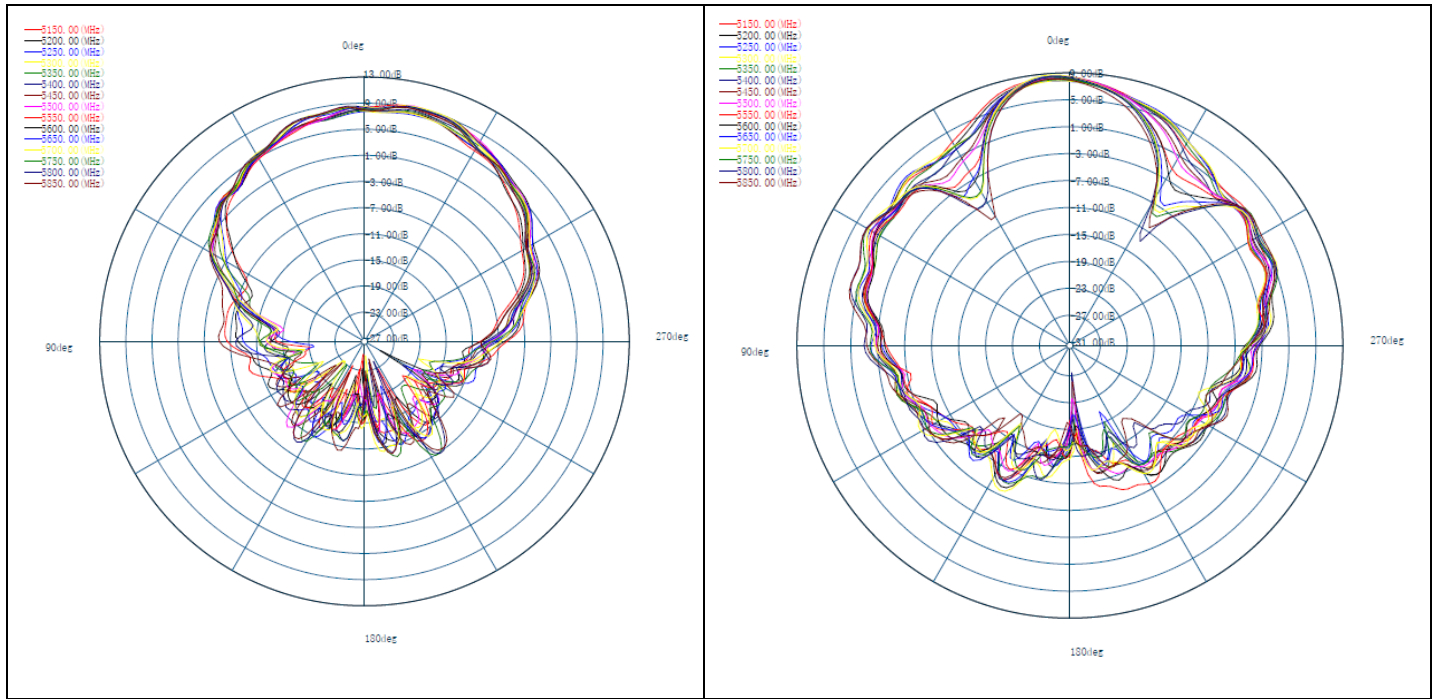


BTAntenna,Phi=0 Degree, 2D



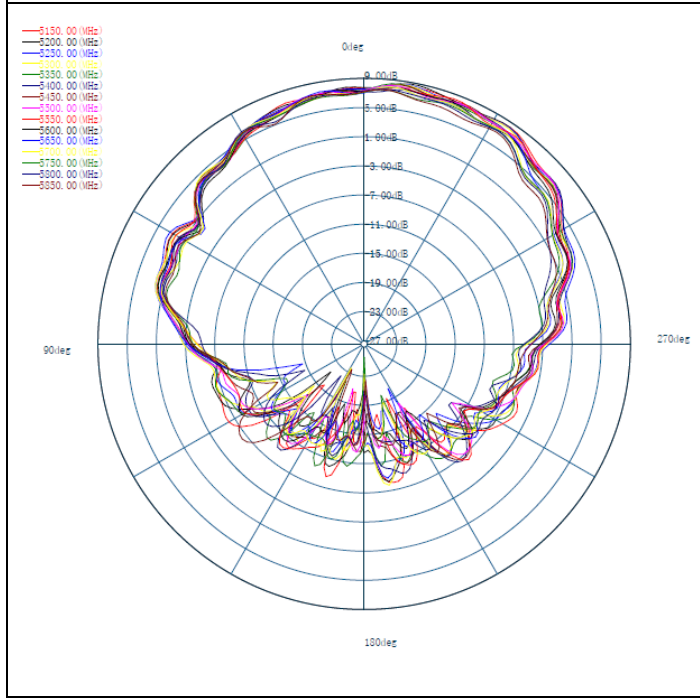
BTAntenna,Phi=90 Degree, 2D



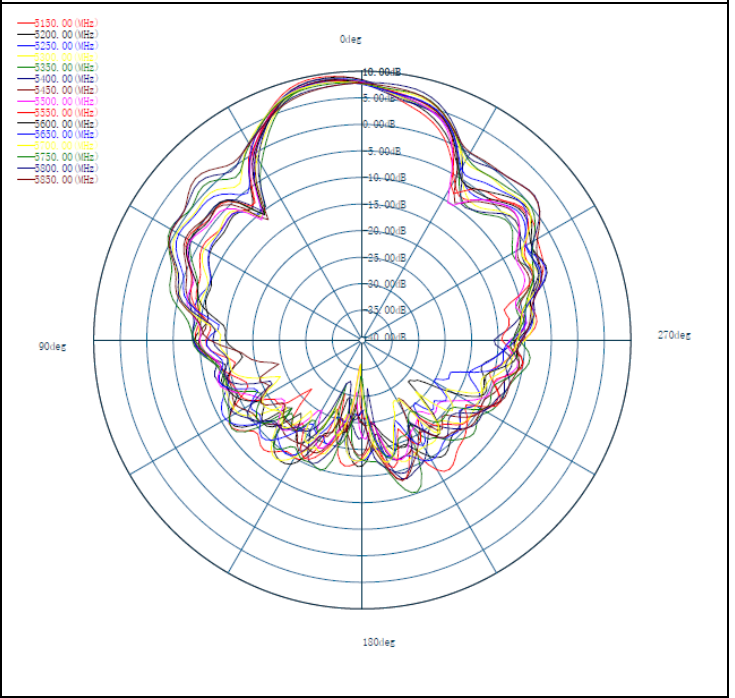


5G Antenna1,Phi=0 Degree, 2D

5G Antenna 1,Phi=90 Degree, 2D



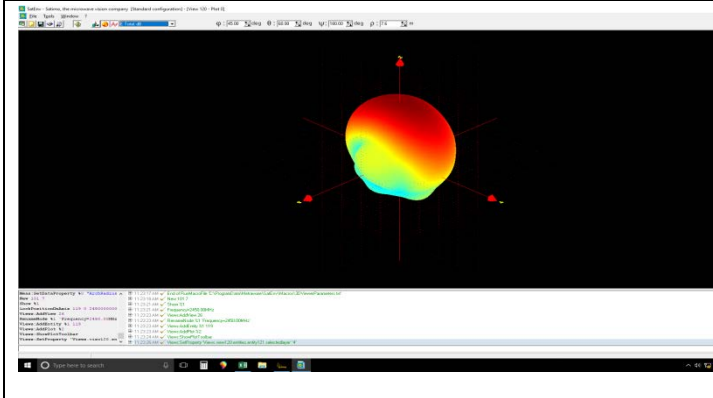
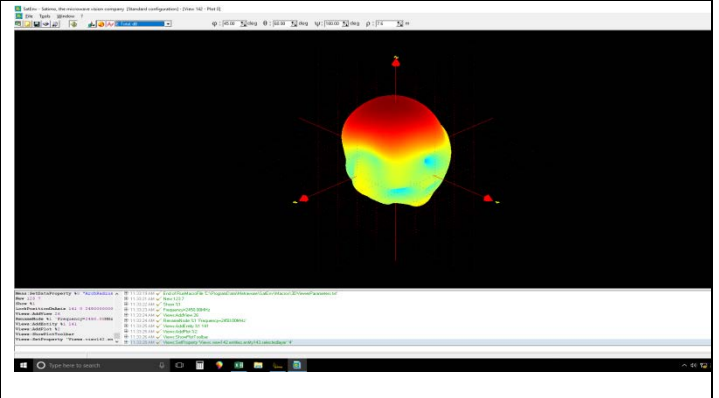
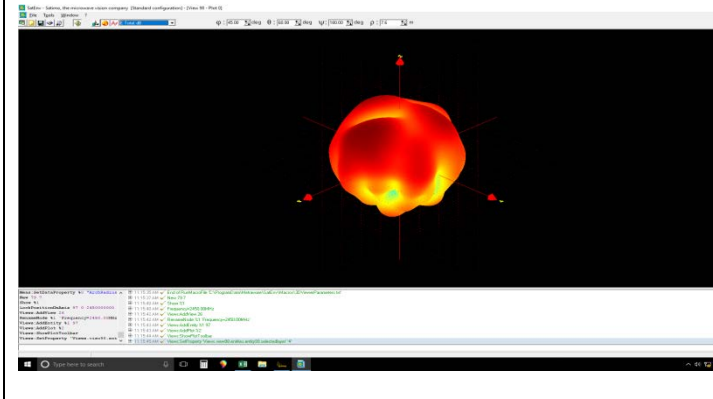
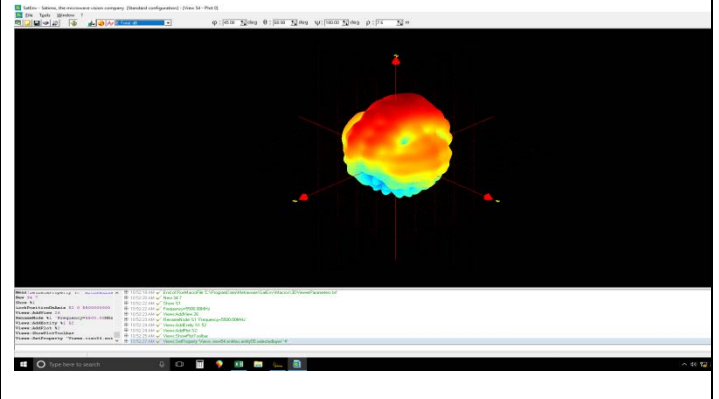
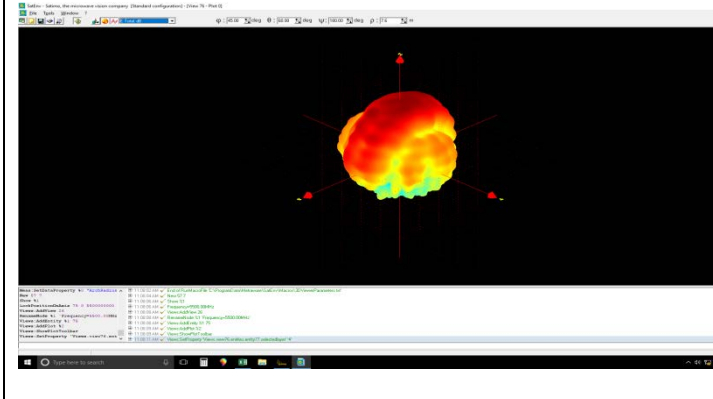
5G Antenna2,Phi=0 Degree, 2D



5G Antenna2,Phi=90 Degree, 2D



三、3D Directions

	
2.4G Antenna1, 3D	2.4G Antenna2, 3D
	
BT Antenna, 3D	5G Antenna1, 3D
	
5G Antenna 2, 3D	



四、Gain and Radiation angle

Frequency (MHZ)	5G Antenna1			5G Antenna2		
	Gain (dbi)	phi=0	phi=90	Gain (dbi)	phi=0	phi=90
5150	8.987332	60.11 deg	40.60 deg	8.551401	77.41 deg	26.97 deg
5200	8.863338	61.65 deg	40.62 deg	8.634852	77.87 deg	25.98 deg
5250	8.910272	59.20 deg	42.79 deg	8.70005	78.60 deg	29.32 deg
5300	8.840002	63.46 deg	41.13 deg	8.791593	83.65 deg	35.94 deg
5350	8.914287	58.89 deg	41.05 deg	8.614138	80.36 deg	37.27 deg
5400	8.982182	57.20 deg	37.18 deg	8.639331	73.89 deg	38.06 deg
5450	8.869632	58.45 deg	33.31 deg	8.689307	81.94 deg	37.51 deg
5500	8.826823	51.45 deg	30.93 deg	8.995383	81.80 deg	35.59 deg
5550	8.921425	55.03 deg	29.59 deg	8.943094	78.47 deg	37.62 deg
5600	8.712144	54.96 deg	29.15 deg	8.927175	62.61 deg	36.97 deg
5650	8.582335	55.15 deg	27.56 deg	8.981928	82.27 deg	39.38 deg
5700	8.748848	51.46 deg	26.97 deg	8.865627	75.04 deg	41.51 deg
5750	8.823439	50.87 deg	27.10 deg	8.839064	73.52 deg	40.45 deg
5800	8.974235	56.41 deg	26.50 deg	8.598104	72.13 deg	41.23 deg
5850	8.875829	52.41 deg	26.47 deg	8.727624	74.49 deg	41.90 deg

Frequency (MHZ)	2.4G Antenna1			2.4G Antenna2			BT Antenna	
	Gain dbi)	phi=0	phi=90	Gain dbi)	phi=0	phi=90	Eff	Gain (dbi)
2400	8.54593	38.58 deg	75.58 deg	8.95774	45.33 deg	51.53 deg	66.76%	4.451452
2420	8.62818	39.50 deg	75.04 deg	8.93288	46.19 deg	51.21 deg	67.03%	4.483436
2440	8.56993	39.77 deg	76.54 deg	8.92688	47.03 deg	50.69 deg	75.64%	4.45028
2460	8.53362	40.64 deg	75.27 deg	8.96414	47.06 deg	51.64 deg	74.62%	4.493224
2480	8.24839	41.15 deg	77.94 deg	8.85158	49.43 deg	57.86 deg	79.72%	4.418189
2483	8.12274	41.65 deg	79.15 deg	8.86549	49.62 deg	59.48 deg	78.62%	4.407239
2500	8.30666	41.66 deg	75.80 deg	8.82388	44.09 deg	62.55 deg	71.86%	4.311737

