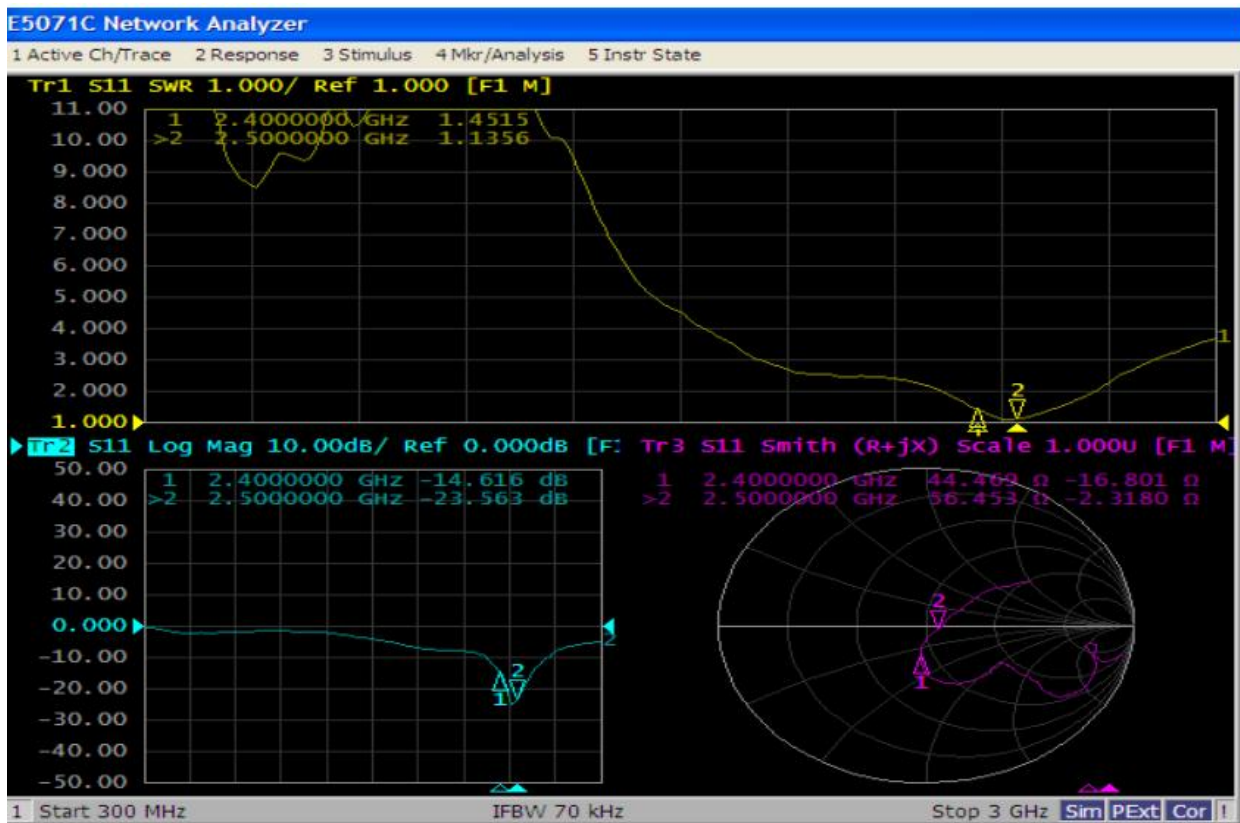


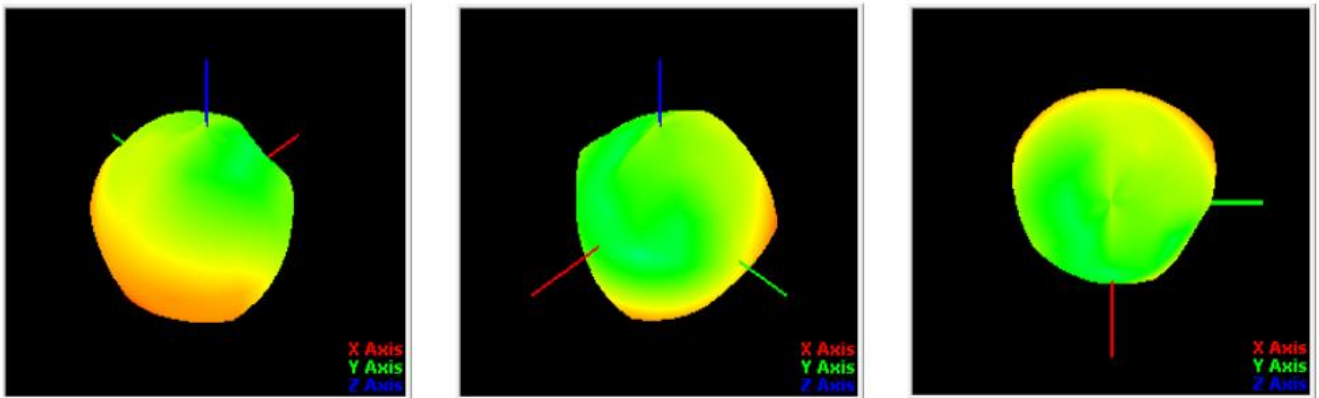
2.2.2 BT antenna (file LOGMAG + VSWR + SMITH)



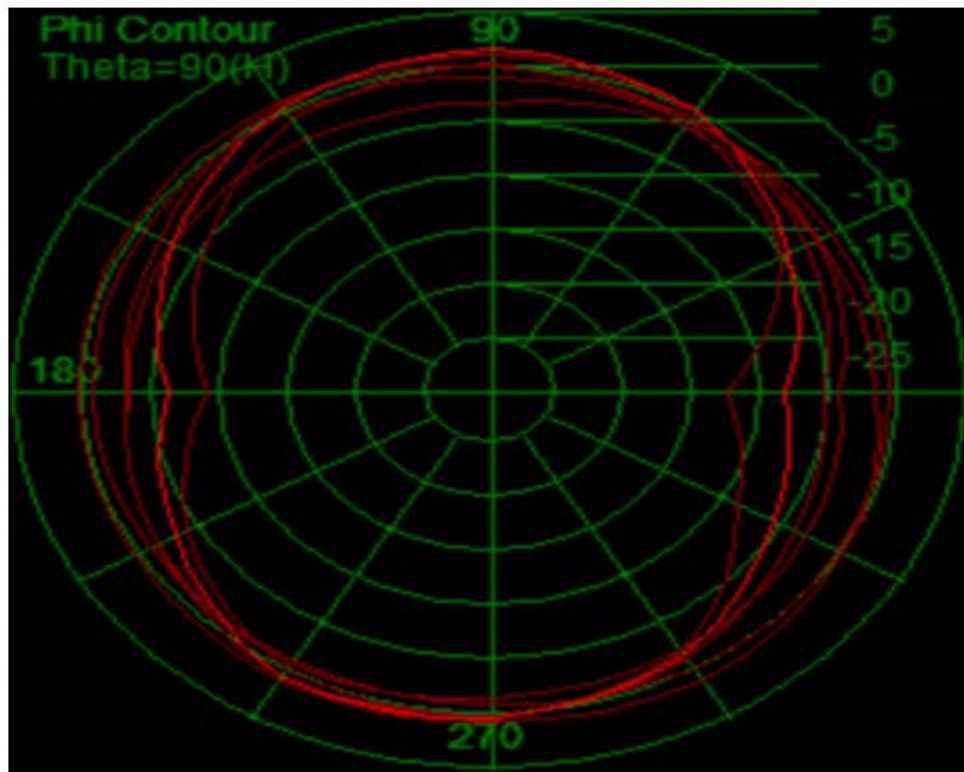
2.2.3 BT-antenna efficiency and gain

Passive Test For 2400MHz~2500MHz				
Freq	Effi	Effi	Gain	
(MHz)	(%)	(dB)	(dBi)	
2400	49.1%	-3.09	1.42	
2410	50.3%	-2.98	1.49	
2420	50.5%	-2.97	1.58	
2430	51.0%	-2.92	1.71	
2440	51.3%	-2.90	1.92	
2450	51.9%	-2.85	2.13	
2460	51.5%	-2.88	1.98	
2470	51.1%	-2.92	1.89	
2480	50.7%	-2.95	1.78	
2490	49.9%	-3.02	1.62	
2500	49.4%	-3.06	1.48	

2.2.4 Radiation Pattern For BT Antenna (2450 MHz) peak Gain:2.13dbi



2.2.5 Antenna passive parameters-BT direction diagram



MIN= -7.38

2.2.6 Active parameters of BT antenna

Test	BT		
Result	1	39	78
TRP (dBm)	3.67	3.88	3.75
TIS (dBm)	-89.14	-89.42	-89.27

3. structural drawings

<p>skills requirements:</p> <table border="1"> <tr> <td>1. FPC substrate specifications:</td> <td>PT substrate: 0.5mm1</td> </tr> <tr> <td></td> <td>Electrolytic copper: 0.5oz (ED)</td> </tr> <tr> <td></td> <td>Double-sided tape: 3M-9471LSE</td> </tr> <tr> <td>2. Electroplating specifications:</td> <td>Nickel plated: 38um</td> </tr> <tr> <td></td> <td>Gilded: 0.0125um</td> </tr> <tr> <td>3. Surface ink requirements:</td> <td>Surface ink color: Matt black</td> </tr> <tr> <td></td> <td>Printing font color: WHITE</td> </tr> <tr> <td></td> <td>Printing font height: According to drawings</td> </tr> </table>	1. FPC substrate specifications:	PT substrate: 0.5mm1		Electrolytic copper: 0.5oz (ED)		Double-sided tape: 3M-9471LSE	2. Electroplating specifications:	Nickel plated: 38um		Gilded: 0.0125um	3. Surface ink requirements:	Surface ink color: Matt black		Printing font color: WHITE		Printing font height: According to drawings																									
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<p>4. Reliability requirements:</p> <ol style="list-style-type: none"> 1. Reliability test: salt spray test\rubber friction test\alcohol resistance test\100 grid test. 2. The front ink, the surface of the ink is required to be folded in half without cracking, scratching, etc. 																																									
<p>5. Tolerance requirements:</p> <ol style="list-style-type: none"> 1. Shape tolerance ± 0.10; 2. Copper foil circuit tolerance ± 0.05; 3. The position of the copper foil to the shape is ± 0.15; 4. Hole-to-hole position tolerance ± 0.10; hole-to-shape position tolerance ± 0.15; 5. The size tolerance of gold finger is ± 0.20; 6. For other unmarked dimensions, refer to 2D drawings. 																																									
<p>6. Key control size:</p> <p>The dimensions marked with numbers are regarded as important dimensions, and the others refer to 2D drawings</p>																																									
<p>7. Environmental requirements:</p> <p>Parts meet RHS2.0/IEF/Reach/SP environmental protection requirements</p>																																									
<p>8. Packaging requirements:</p> <p>Packed in PE bags, the quantity of each bag is 100PCS, there is a mark on the outside of the bag</p>																																									
<p>DATE</p>	<p>Modify the content</p>	<p>Version</p>	<p>Revise</p>	<p>位置</p>	<p>6</p>																																				
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>	<p>7</p>																																				
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