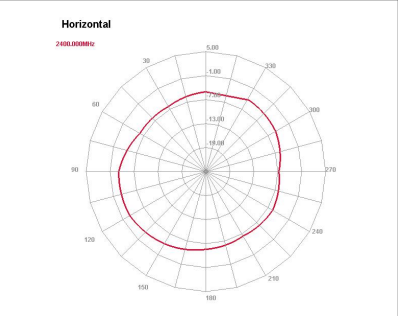
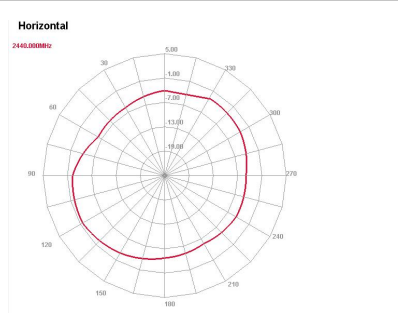
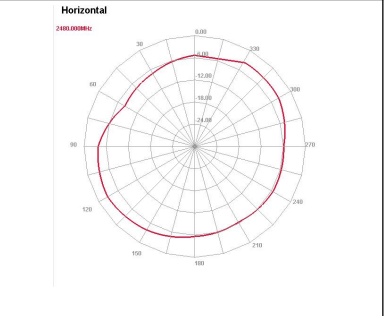


### 3.3. Return Loss

BT VSWR+ Return

	Resonant Point Range(MHz)	Frequency point(MHz)/Maximum Echo Loss(dB)		
	2400-2500		2400	2500
		VSWR	2.24	2.48
		Return loss	-8.33	-7.31

### 3.4. Antenna Gain

Channel	0	39	78
Gain	0.26dBi	1.15Bi	-0.14dBi
Gain diagram			

Passive Test For D4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	31	-5.09	0.26	-1.89	13.055	17.945	0.26	-18.69	46.5	45.85
2410	35.8	-4.46	0.85	-1.3	14.968	20.835	0.85	-18.76	46.61	46.05
2420	36.79	-4.34	0.98	-1.17	15.3	21.487	0.98	-17.98	46.59	46.17
2430	37.51	-4.26	1.13	-1.02	15.621	21.888	1.13	-16.78	46.77	46.14
2440	36.73	-4.35	1.15	-1	15.347	21.382	1.15	-15.5	46.79	45.97
2450	36.26	-4.41	1.09	-1.06	15.207	21.054	1.09	-14.76	46.58	45.82
2460	36.27	-4.4	1.18	-0.97	15.117	21.153	1.18	-14.91	46.74	45.97
2470	31.56	-5.01	0.52	-1.63	13.11	18.451	0.52	-15.66	46.54	45.98
2480	29.09	-5.36	-0.14	-2.29	12.061	17.028	-0.14	-16.01	46.48	46.46
2490	29.61	-5.29	-0.22	-2.37	12.3	17.311	-0.22	-15.65	46.53	46.76
2500	30.89	-5.1	0.01	-2.14	12.738	18.15	0.01	-15.56	46.77	46.39

## 4. Appearance structure

### 4.1. Antenna Material

## 5. Notes

(Electrical Performance Test Report)

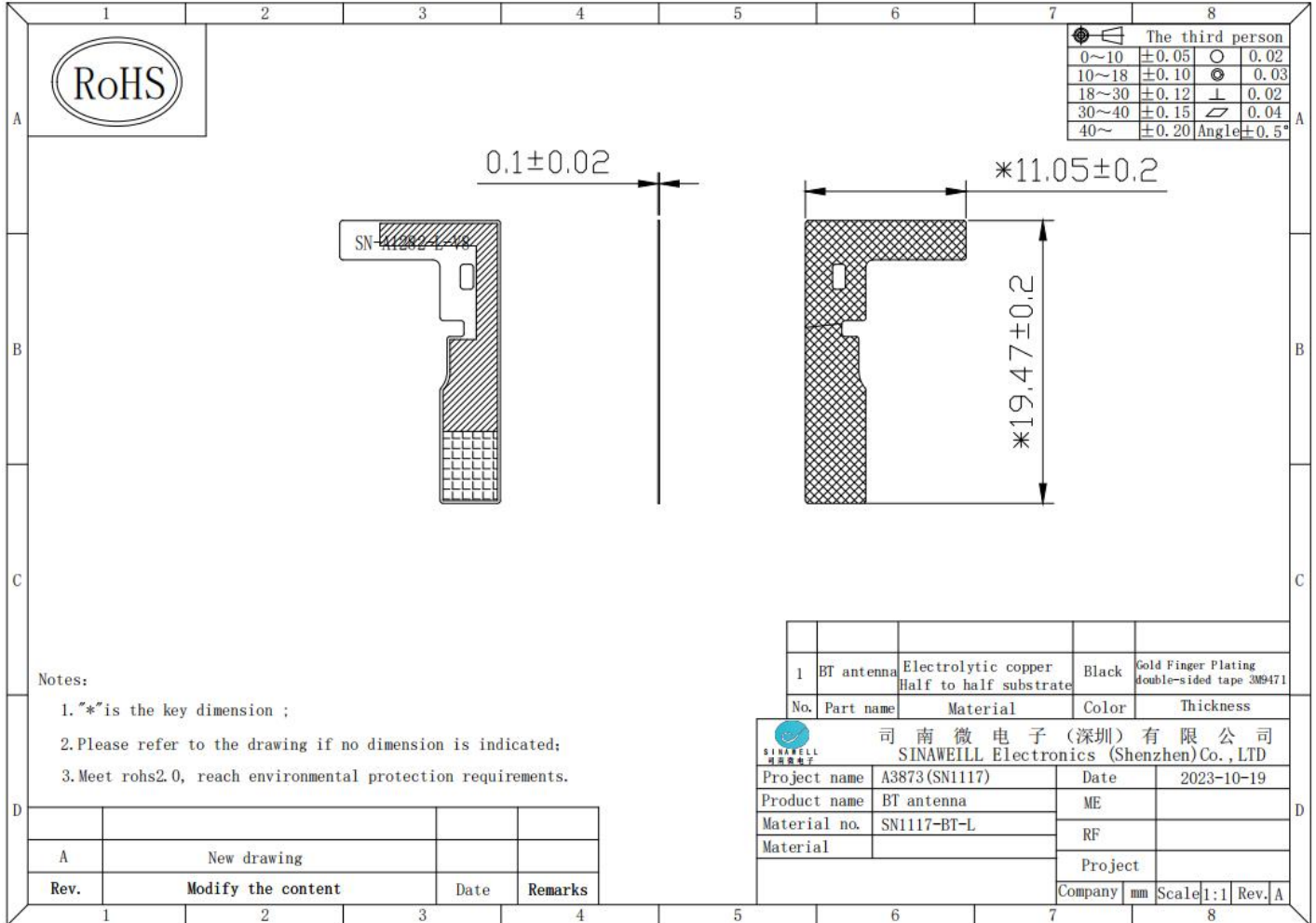
In the electrical performance test report, the 3D darkroom data for manufacturers are provided.

The following table format

### **Appendix 1: (Mechanical drawing)**

### **Appendix II (Performance report)**

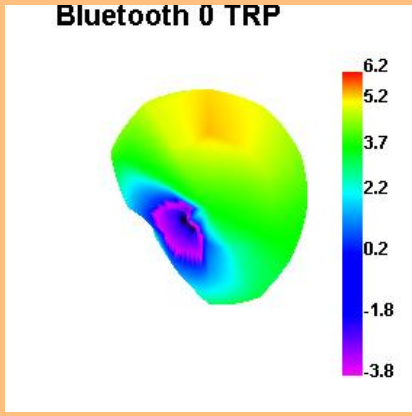
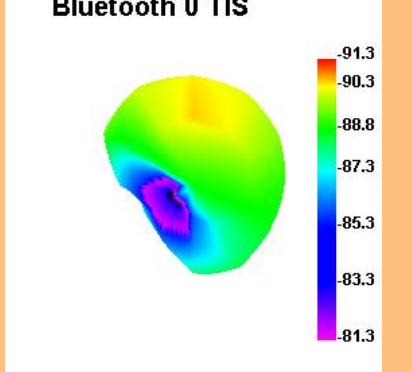
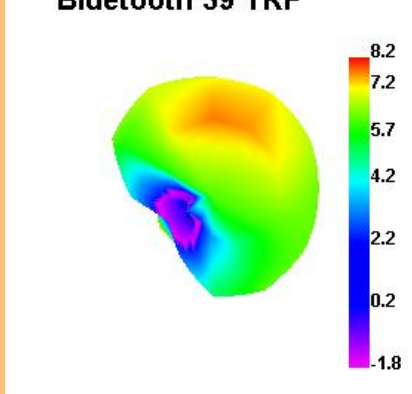
# FPC Mechanical drawing(Annex I)

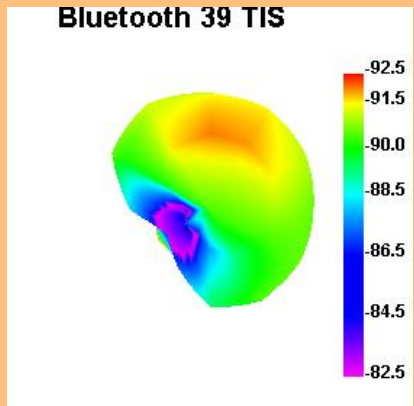
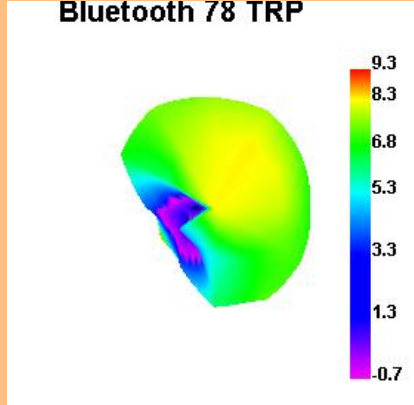
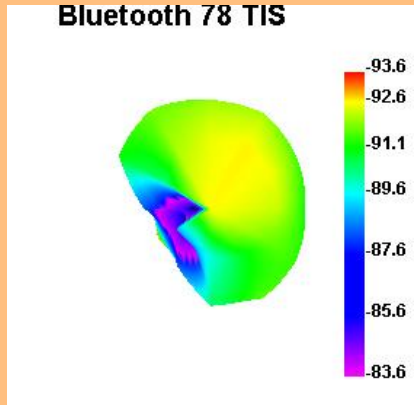


## Focus on size

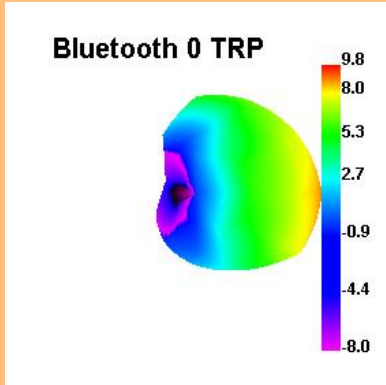
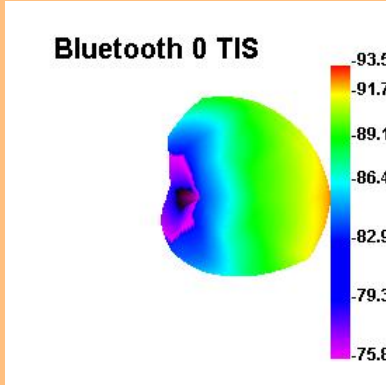
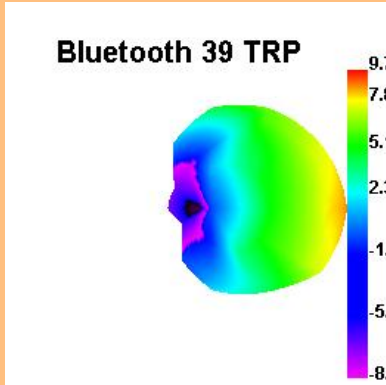
NO	Size(mm)	Tolerance(mm)	Notes
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2	19.47	$\pm 0.2$	
3			
4			
5			
6			

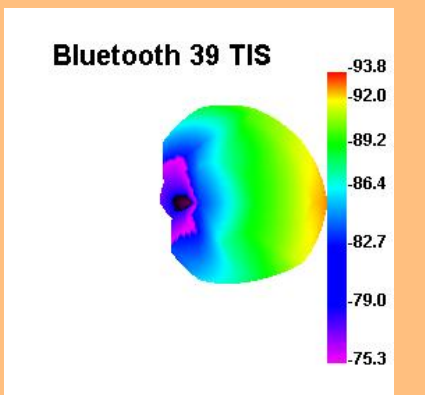
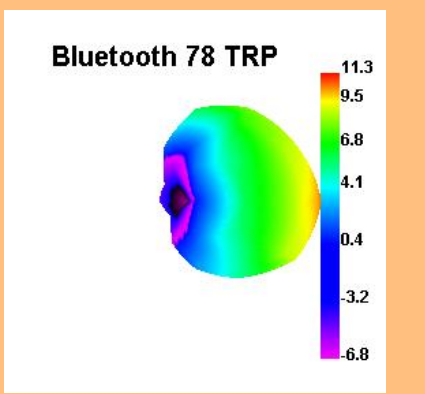
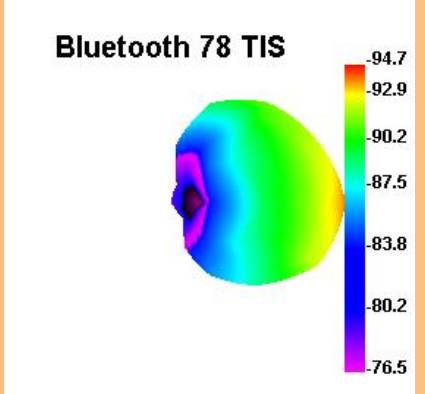
### 3DTest Report (FS)

BT	Channel	3DCoupling Test	Field strength map
TRP	0	3.1	<p>Bluetooth 0 TRP</p> 
TIS	0	-88.15	<p>Bluetooth 0 TIS</p> 
TRP	39	5.49	<p>Bluetooth 39 TRP</p> 

TIS	39	<b>-89.86</b>	<p><b>Bluetooth 39 TIS</b></p> 
TRP	78	<b>6.33</b>	<p><b>Bluetooth 78 TRP</b></p> 
TIS	78	<b>-90.62</b>	<p><b>Bluetooth 78 TIS</b></p> 

### 3DTest Report (BH)

BT	Channel	3DCoupling Test	Field strength map
TRP	0	3.64	 <p>Bluetooth 0 TRP</p>
TIS	0	-86.86	 <p>Bluetooth 0 TIS</p>
TRP	39	3.57	 <p>Bluetooth 39 TRP</p>

TIS	39	<b>-87.1</b>	 <p>Bluetooth 39 TIS</p> <p>Color scale: -93.8, -92.0, -89.2, -86.4, -82.7, -79.0, -75.3</p>
TRP	78	<b>4.23</b>	 <p>Bluetooth 78 TRP</p> <p>Color scale: 11.3, 9.5, 6.8, 4.1, 0.4, -3.2, -6.8</p>
TIS	78	<b>-87.82</b>	 <p>Bluetooth 78 TIS</p> <p>Color scale: -94.7, -92.9, -90.2, -87.5, -83.8, -80.2, -76.5</p>