

Approval sheet					
ZoomSmart project		A1005 ANT2			
ZoomSmart P/N		0101020353			
Supplier name		Suzhou Huimi Communication Technology Co., Ltd			
Supplier P/N		HM0237-ANT2			
Sample signing date					
Function ☐	Drawing ☐	Measurement report ☐	Material report ☐	Reliability test report ☐	Packing ☐
Supplier	Producer	ME	RF	BD	QC
ZoomSmart	ME	RF	PD	PM	QC

Note: heads of departments must manually sign for confirmation



Catalog

1. Summary.....	3
2.Antenna Structure.....	3
3.Device Conditions.....	3
4.Test Environment.....	4
5.Antenna Test Results.....	4
5.1 Antenna Photos.....	4
5.2 Antenna Matching.....	5
5.3 Passive VSWR.....	5
5.4 Passive Efficiency.....	6
5.5 Radiation Pattern.....	7
6. Mechanical Drawings.....	7
7. Dimension Report.....	9

1. Summary

This is the ANT2 antenna approval sheet

Working band :

1700-2690MHz, 5150-5850MHz

2. Antenna Structure

FPC+cable

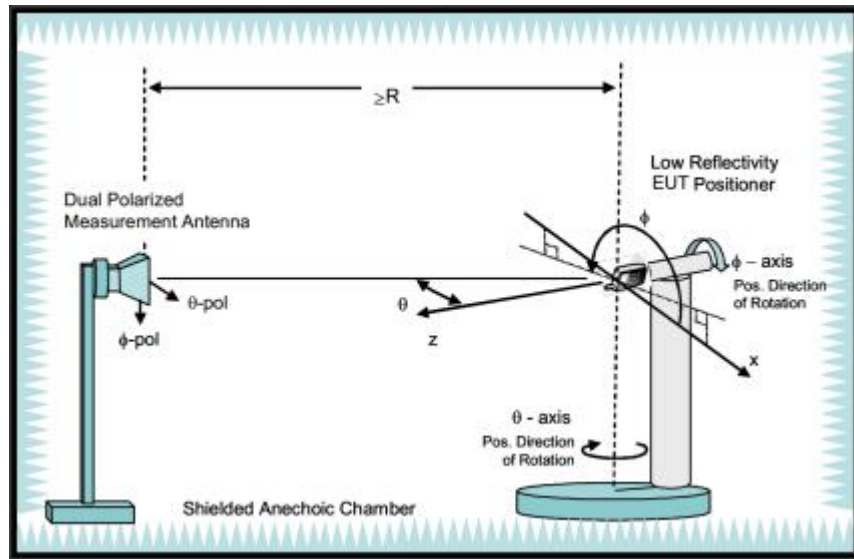
3. Device Conditions



Picture 1 A1005 mobile phone photograph

Project Name: A1005_ANT2 antenna		Document: A1005_ANT2 antenna Approval Sheet_A	3
Date:2022-08-30	Version: A		

4. Test Environment



Picture 2 Test Environment photo

5. Antenna Test Results

5.1 Antenna Photos



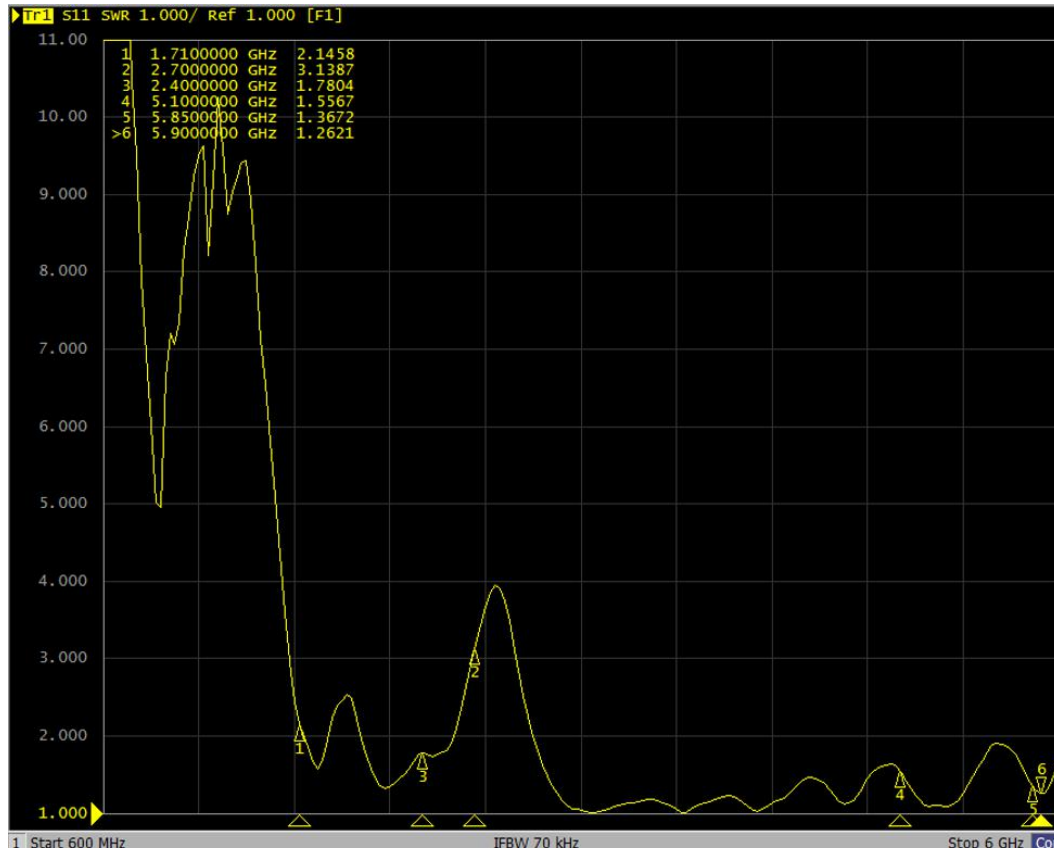
Picture 3 ANT2 antenna photograph

Project Name: A1005_ANT2 antenna		Document: A1005_ANT2 antenna Approval Sheet_A	4
Date: 2022-08-30	Version: A		

5.2 Antenna Matching

No matching

5.3 Passive VSWR

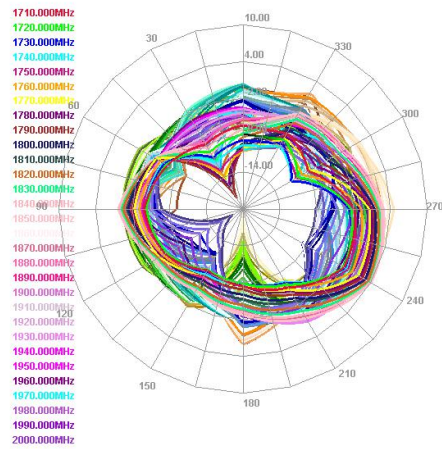


Picture 4 ANT2 antenna VSWR

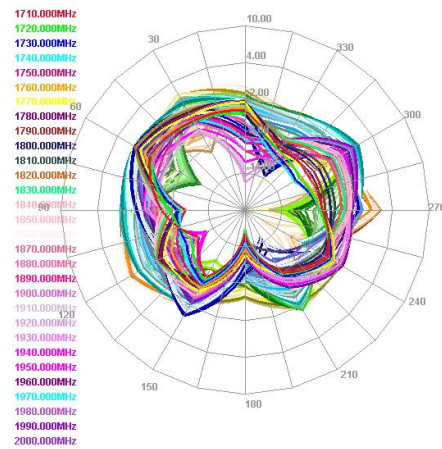
5.4 Passive Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
1710	33.63	0.04	2090	34.95	1.43	2470	62.01	2.89
1720	31.88	-0.12	2100	37.33	2.18	2480	63.1	2.82
1730	32.67	0	2110	35.75	2.27	2490	57.98	2.28
1740	33.28	-0.03	2120	36.6	2.39	2500	54.78	1.89
1750	34.47	-0.02	2130	37.97	2.28	2510	58.78	2.22
1760	38.67	0.51	2140	36.54	1.7	2520	59.99	2.31
1770	46.43	1.68	2150	38.57	1.49	2530	61.44	2.4
1780	46.53	2.08	2160	39.75	1.31	2540	58.05	2.11
1790	46.8	2.46	2170	40.41	1.21	2550	50.86	1.41
1800	49.33	2.96	2180	40.81	1.18	2570	46.89	1.02
1810	49.1	3.05	2190	39.3	1.01	2580	47.63	1.3
1820	53.94	3.49	2200	39.9	1.1	2590	53.7	2.04
1830	55.71	3.62	2210	41.96	1.36	2600	56.17	2.35
1840	57.96	3.83	2220	41.87	1.35	2610	56.9	2.53
1850	60.54	4.09	2230	43.51	1.36	2620	58.38	2.69
1860	44.46	2.86	2240	47.96	1.68	2630	58.63	2.8
1870	47.08	3.2	2250	50.31	1.76	2640	55.87	2.63
1880	49.59	3.44	2260	54.67	2.02	2650	58.03	2.9
1890	43.59	2.81	2270	58.17	2.13	2660	56.55	2.83
1900	40.28	2.38	2280	59.99	2.01	2670	56.1	2.83
1910	38.22	2.06	2290	63.02	1.84	2680	56.28	2.74
1920	44.83	2.56	2300	68.51	2.23	2690	53.48	2.44
1930	48.67	2.67	2310	65.84	2.15	2700	49.74	2
1940	49.23	2.57	2320	65.09	2.09	5100	66.06	5.26
1950	47.6	2.28	2330	64.99	1.99	5150	66.61	5.19
1960	52.33	2.42	2340	61.73	1.67	5200	61.84	4.82
1970	48.4	1.68	2350	65.51	1.81	5300	52.41	3.35
1980	47.31	1.48	2360	63.92	1.67	5350	54.29	2.53
1990	48.72	1.57	2370	59.67	1.3	5400	54.53	1.99
2000	42.48	0.73	2380	57.1	1.16	5450	58.67	2.33
2010	39.71	0.45	2390	56.98	1.47	5500	64.6	2.72
2020	32.9	-0.15	2400	55.78	1.73	5550	64.73	2.46
2030	28.38	-0.51	2410	56.63	1.93	5600	53.82	1.4
2040	27.57	-0.37	2420	57.79	2.18	5650	52.66	1.43
2050	26.43	-0.41	2430	58.16	2.3	5700	58.65	2.07
2060	27.25	-0.35	2440	58.23	2.45	5750	56.27	2.11
2070	30.67	0.16	2450	64.24	2.99	5800	48.76	1.45
2080	32.41	0.6	2460	61.66	2.83	5850	50.78	1.36

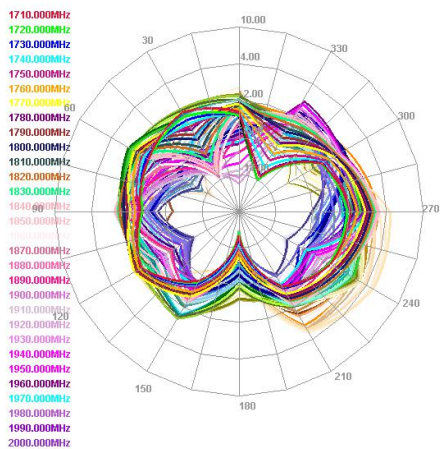
5.5 Radiation Pattern: Horizontal



E1 Face

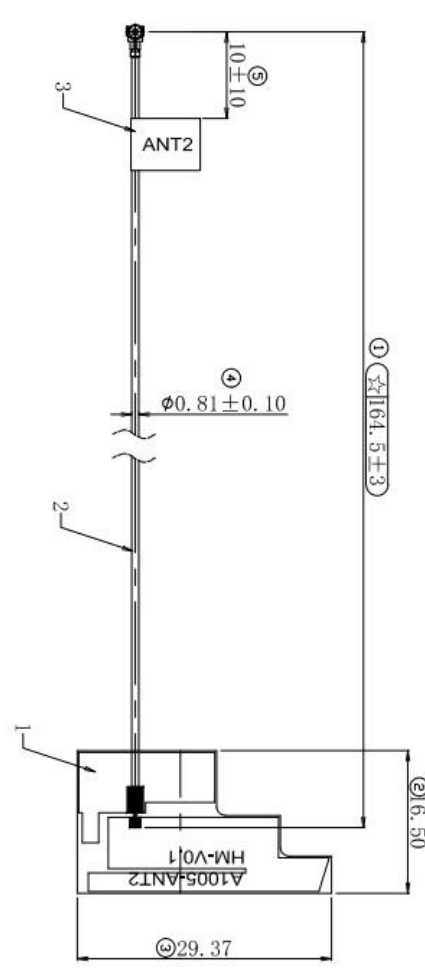


E2 Face



6. Mechanical Drawings

Finished product drawings		1		2		3		4		5		6		7		8	
		A		B		C		D		E		F		G		H	



E C N		Version	DATE	CONTENT OF CHANGE	
A		A	29/08/2020	Release drawing	

Technical requirements:			
1. Refer to the drawing for unspecified dimensions;			
2. With ☆ as key inspection dimension			

Part material information			
1	2	3	4
IPC-1112K, 300371	Cable-φ0.81*164.5, 170K-5	Label-17-6	
4	5	6	
7	8	9	

DIMENSION TOLERANCE	
6 ±0.05	±0.05
6 ±0.1	±0.1
30 ±0.15	±0.15
120 ±0.20	±0.20
315 ±0.3	±0.3
1000 ±0.5	±0.5
Key dimensions: 1	
Non key dimensions: 2~5	

Case number		Suzhou Huimi Communication Technology Co., Ltd	
HM0237-ANT2		Projection	
Drawing name		unit	
Finished product drawings		MM	
part number		scale	
HM0237-2A		1:1	
checker		RF	
Wang Jinhui		DESIGN	
Sun Quan		scale	



7. Dimension Report

Project Name: A1005_ANT2 antenna		Document: A1005_ANT2 antenna Approval Sheet_A	9
Date:2022-08-30	Version: A		