

Approval sheet					
ZoomSmart project		A1005 ANT1			
ZoomSmart P/N		0101020352			
Supplier name		Suzhou Huimi Communication Technology Co., Ltd			
Supplier P/N		HM0237-ANT1			
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

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1. Summary

This is the ANT1 antenna approval sheet

Working band :

3300-3800MHz, 4400-5000MHz

2. Antenna Structure

FPC+cable

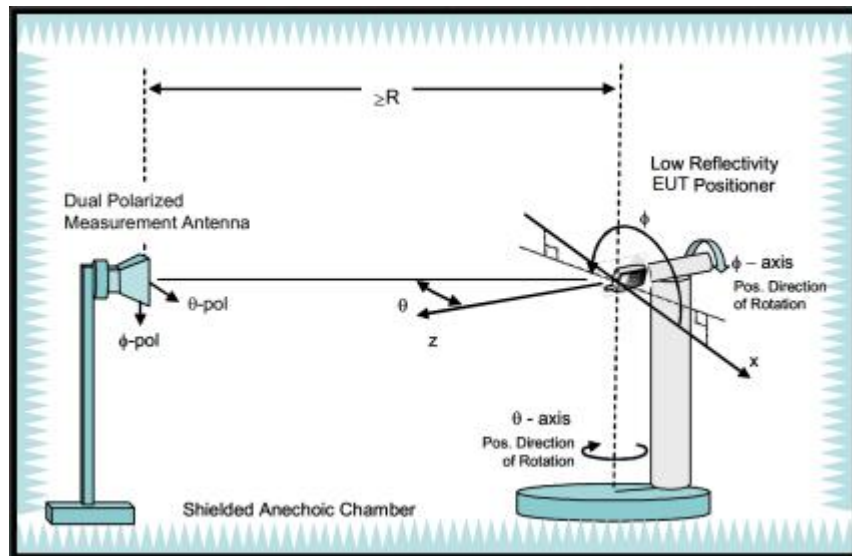
3. Device Conditions



Picture 1 A1005 mobile phone photograph

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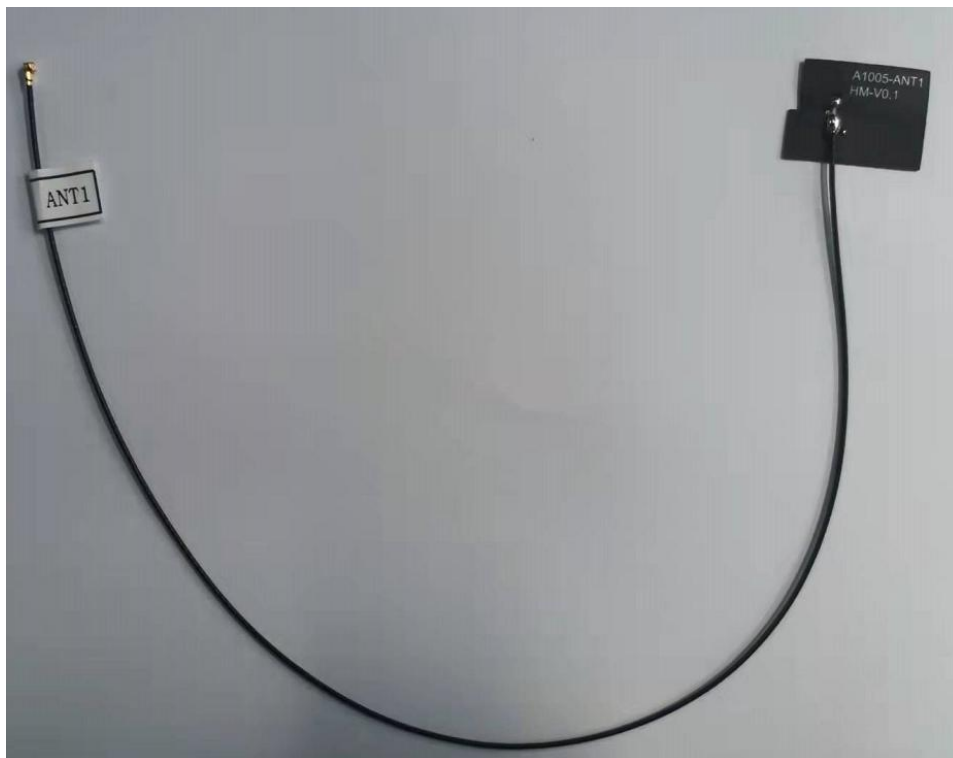
4. Test Environment



Picture 2 Test Environment photo

5. Antenna Test Results

5.1 Antenna Photos



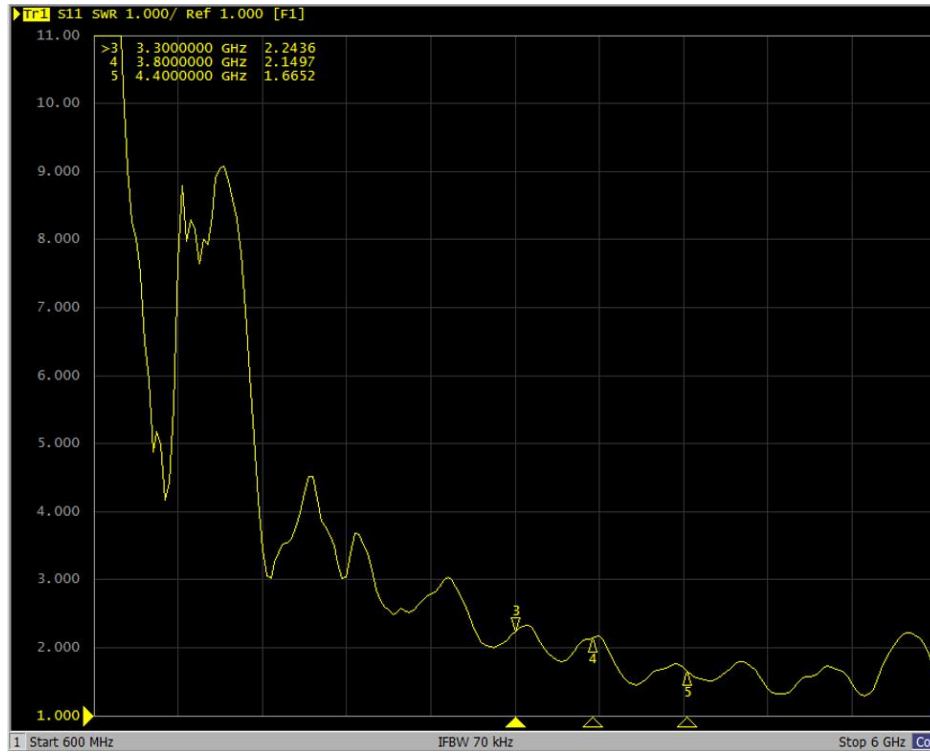
Picture 3 ANT1 antenna photograph

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5.2 Antenna Matching

No matching

5.3 Passive VSWR



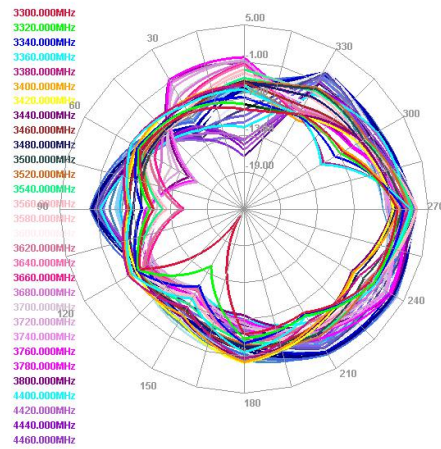
Picture 4 ANT1 antenna VSWR

5.4 Passive Efficiency

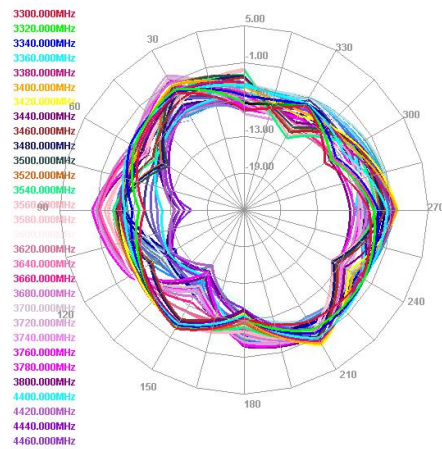
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
3300	36.78	2.44	4400	49.53	2.93
3320	40.64	3.46	4420	48.38	2.78
3340	43.42	4.23	4440	49.11	2.98
3360	47.84	4.66	4460	45.41	2.81
3380	48.1	4.2	4480	48.37	3.24
3400	45.95	2.86	4500	48.5	3.29
3420	46.77	2.02	4520	46.88	3.13
3440	41.88	1.04	4540	51.93	3.46
3460	36.71	0.15	4560	56.67	3.76
3480	38.28	0.36	4580	58.17	3.62
3500	45	1.33	4600	60.47	3.58
3520	49.52	2.08	4620	57.77	3.38
3540	48.78	2.44	4640	61.5	3.15
3560	50.7	3.2	4660	61.08	3.02
3580	48.09	3.17	4680	62.89	3.1
3600	47.62	3.13	4700	64.72	3.4
3620	42.66	2.48	4720	59.62	3.15
3640	50.09	3.84	4740	59.83	3.65
3660	46.17	3.83	4760	56.28	3.3
3680	48.37	4.02	4780	54.79	2.94
3700	45.33	3.6	4800	53.91	2.42
3720	47.87	3.54	4820	50.29	2.17
3740	44.94	2.71	4840	48.49	2.06
3760	49.35	3.19	4860	46.7	1.6
3780	42.82	2.53	4880	50.41	1.97
3800	44.69	3.1	4900	51.63	2.47
			4920	49.43	2.48
			4940	55.46	3.14
			4960	52.67	2.92
			4980	53.74	3.13
			5000	54.61	3.11

5.5 Radiation Pattern

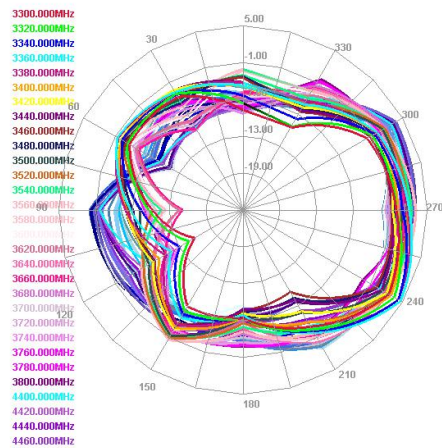
Horizontal



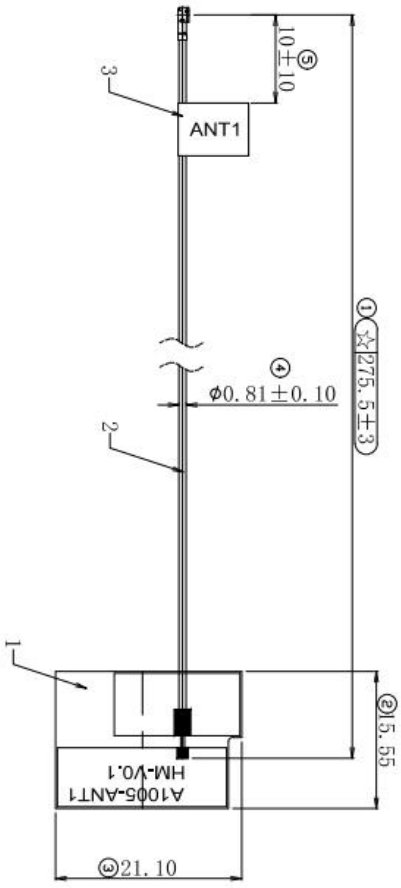
E1 Face



E2 Face



6. Mechanical Drawings

1	2	3	4	5	6	7	8
Finished product drawings					E C N		
					Version A	AREA	DATE 29/08/2020
							
Technical requirements: 1. Refer to the drawing for unspecified dimensions; 2. With ☆ as key inspection dimension							
Part material information							
1	2	3	DIMENSION TOLERANCE				
IPC-P1128, 300471	Gali-90, 81*275.5, IPC-93	Label-7746	6 ± ± 0.05				
4	5	6	6 ± -30..... ± 0.1				
7	8	9	30 ± -120..... ± 0.15				
			120 ± -315..... ± 0.20				
			315 ± -1000..... ± 0.3				
			1000 ± -2000..... ± 0.5				
			Key dimensions: 1				
			Non key dimensions: 2~5				
			Case number HM0237-ANT1		Suzhou Huimi Communication Technology Co., Ltd		
			Drawing name Finished product		Projection		
			part number		unit		
			HM0237-1A		scale		
			checker		unit		
			Wang Jinhui		scale		
			RF		1:1		
			DESIGN		Sun Quan		



7. Dimension Report

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