Antenna Specification

Customer Name:	Shenzhen HUBSAN intelligent co.LTD
Project Name:	HT018Y
Material Model:	M01-0600230R0A
Product Name:	2.4GRight remote control antenna
Customer Number:	EX08001620-01
Entry Category:	Mold Sample
FileVersion:	A

supplier		customer	
PREPARED BY		Purchase	
CHECKED BY		engineering	
APPROVED BY		quality	
☑ The new material		☐ recycle (The number to be recycled)	
cachet : 2021-07-12		cachet :	

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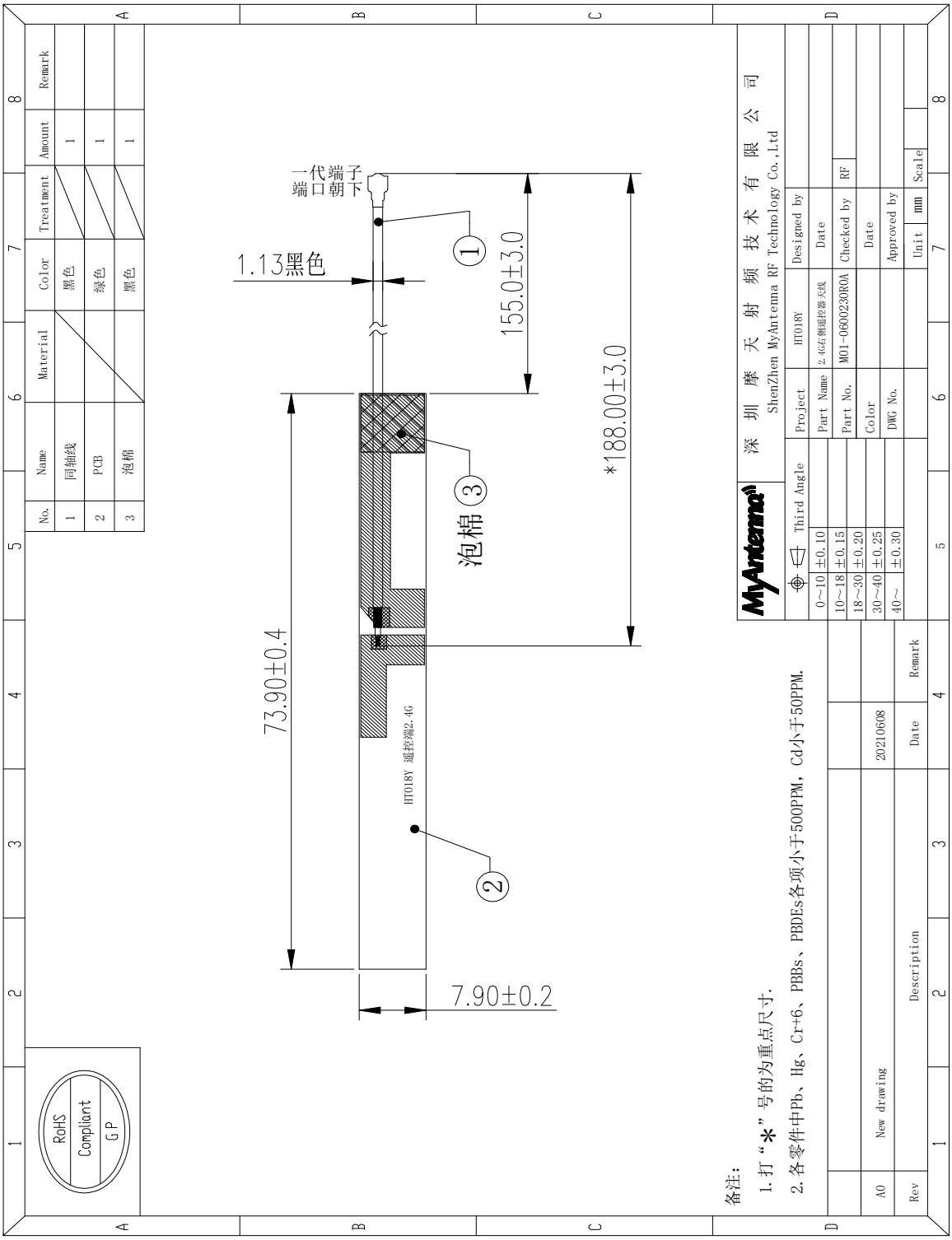
3. Engineering Drawing



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4. Antenna Test

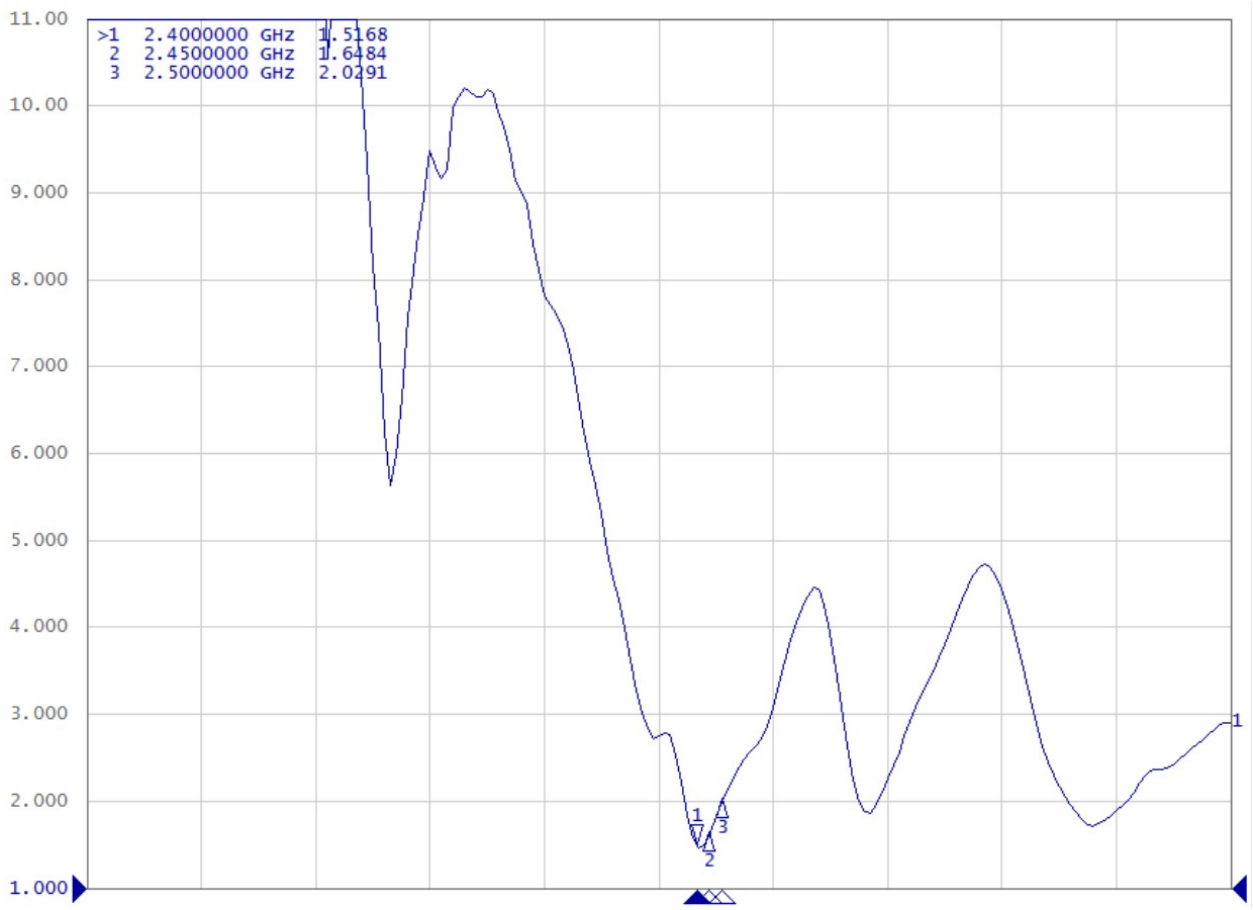
4.1 Processing Mode

4.1.1 Matching Circuit (Nothing)

4.1.2 Environmental Treatment (Nothing)

4.2 Performance Testing

4.2.1 VSWR



4.2.2 Active Antenna Test (Nothing)

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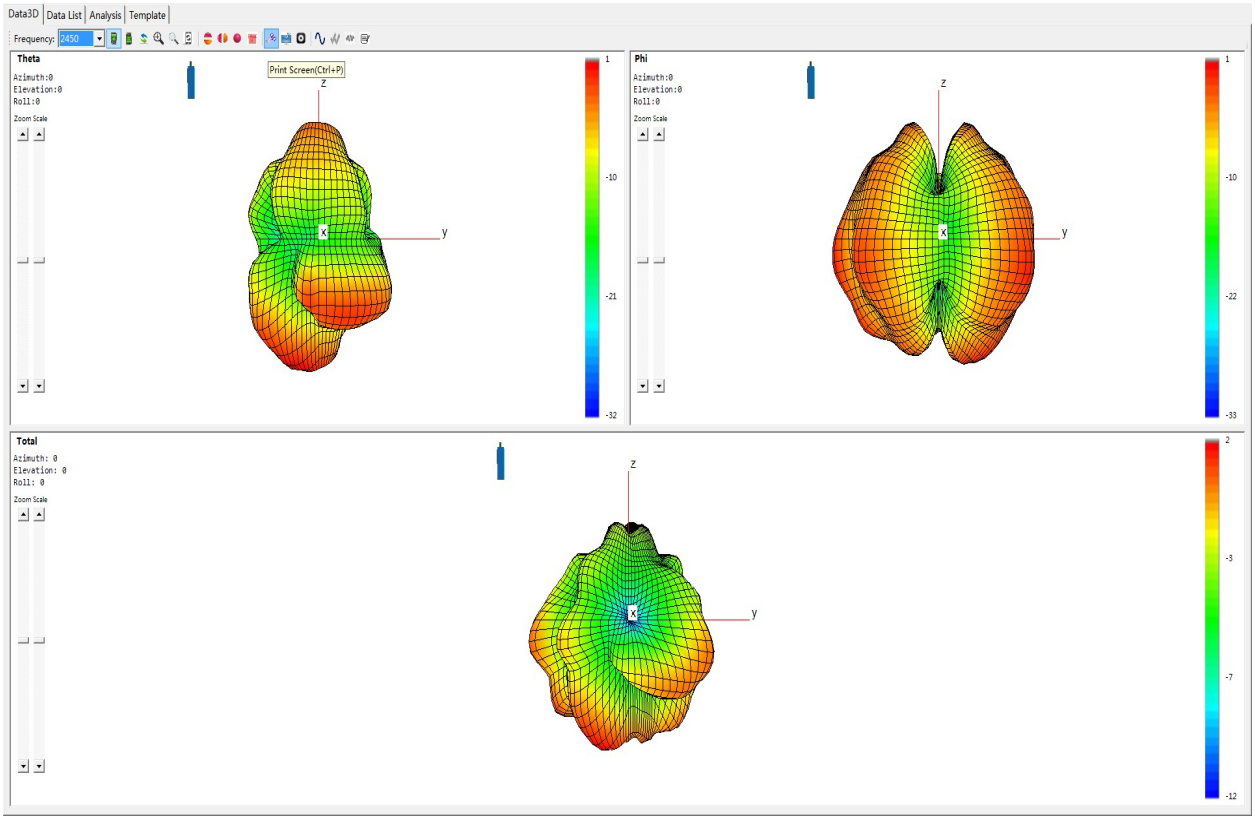
4.2.3 Passive Antenna Test

Freq	2400	2410	2420	2430	2440	2450
Gain	1.98	2.03	2.09	2.07	1.70	1.56
Efficiency_Pcent	53.32	56.72	55.48	54.11	52.50	51.34
Freq	2460	2470	2480	2490	2500	
Gain	1.74	1.96	1.98	2.00	2.09	
Efficiency_Pcent	52.06	53.65	53.21	53.10	54.21	

4.2.4 3D graphics



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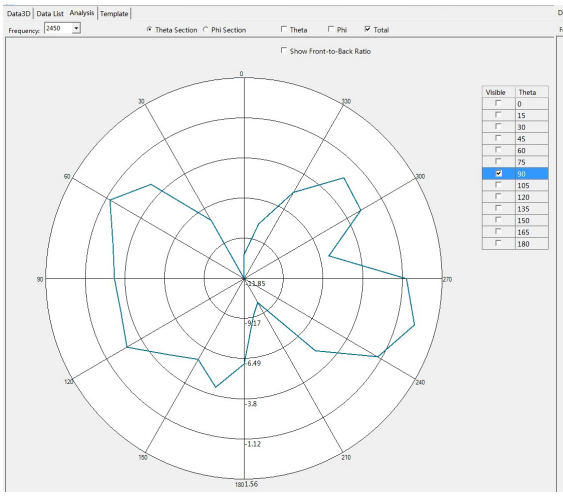
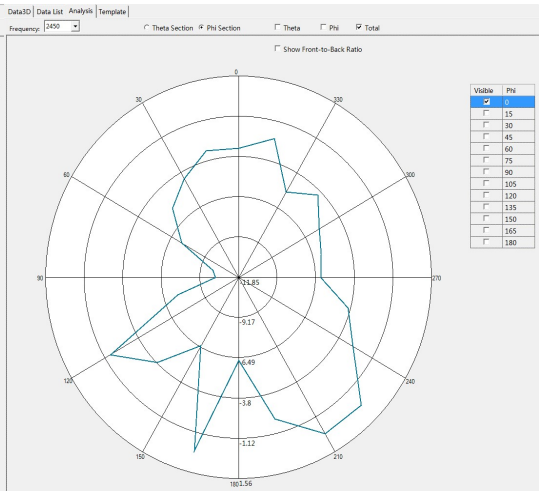
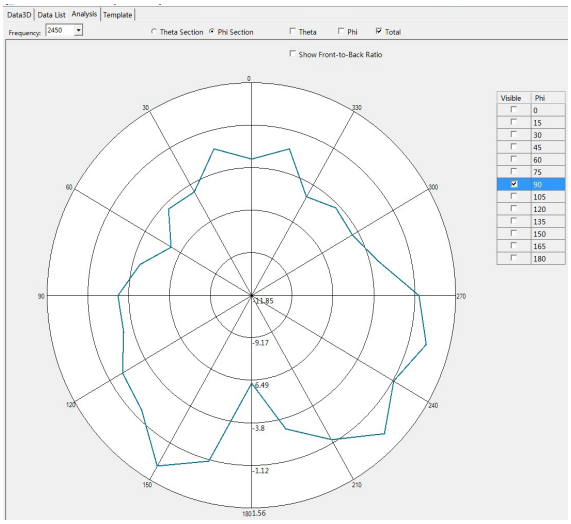
4.2.5 2D graphics







5. Antenna placement diagram(Nothing)

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6. Inspection Report

Project Name	HT018Y	Antenna Type	2.4G WIFI antenna	Inspection Date	2021-07-30
Appearance Standard		1、No abnormality on the antenna surface			
Dimension Standard		2、Within the required tolerances based on the drawing			

No	Inspection subject	Standard	Inspection tool	Sampling number	Result	Remark
1	Appearance	As Above	Visually	6PCS	OK	
2	Dimension	As Below Chart	Vernier Calipe	6PCS	OK	

No	Inspection Subject	Dimension	Tool	Test Results（Recorded six groups of testing data includes the highest & lowest values）					
				1	2	3	4	5	1
1	Dimension	73.9±0.4	Caliper	73.94	73.97	73.91	73.98	73.99	73.93
2		7.9±0.2		7.95	7.97	7.98	7.92	7.99	7.94
3		188.0±3.0		188.5	188.1	188.8	188.9	188.9	188.8
Remark									

Supervisor：YANG	Audit：CHEN	Inspector：DONG

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7、ROHS Test Report

Project material name	material code	Report the name of the test sample	testing organization	testing time	Test report number	test conclusion	remark
HT018Y	M01-06002 30R0A	Coaxial line (silver-plated copper wire)	SGS	2020.12.29	SHAEC2025507415	OK	
		Coaxial line (tinned copper wire)	CTI	2020.6.6	A2200160556101E	OK	
		Coaxial line (FEP insulation)	SGS	2020.12.30	SHAEC2025797027	OK	
		Coaxial line (FEP sheath)	SGS	2021.1.18	SHAEC2100499407	OK	
		Coaxial line (black masterbatch)	EMTEK	2020.07.11	ED200706041C001	OK	
		PCB substrate	SGS	2020.12.24	CANML2020258402	OK	
		Ink	SGS	2020.9.28	CE/2020/93185	OK	
Legal fiction：JOYCE		verifier：chen		date：2021-07-30		Stamp service：	

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