

Shenzhen Be-Comfortable Technology Co. Ltd

SPECIFICATION FOR APPROVAL

Customer	Our firm union
Project Name	C10
Customer NO.	
specification	WIFI antenna
Supplier NO.	N12-6760-R0A
Specification NO.	
Write by	Mingchao Zhang
REV.	Ver.01
Date	2023/15/6
Note	

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by
SUPPLIER APPROVED BY		
Approved by	Checked by	Prepared by

Shenzhen Be-Comfortable Technology Co. Ltd

Version change record				
Change the date	Change the content	version	Change a person	approver

1. List of admission items (Index)

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2. (Test Equipment & Conditions)

2.1. Network Analyzers : KEYSIGHT P5002A

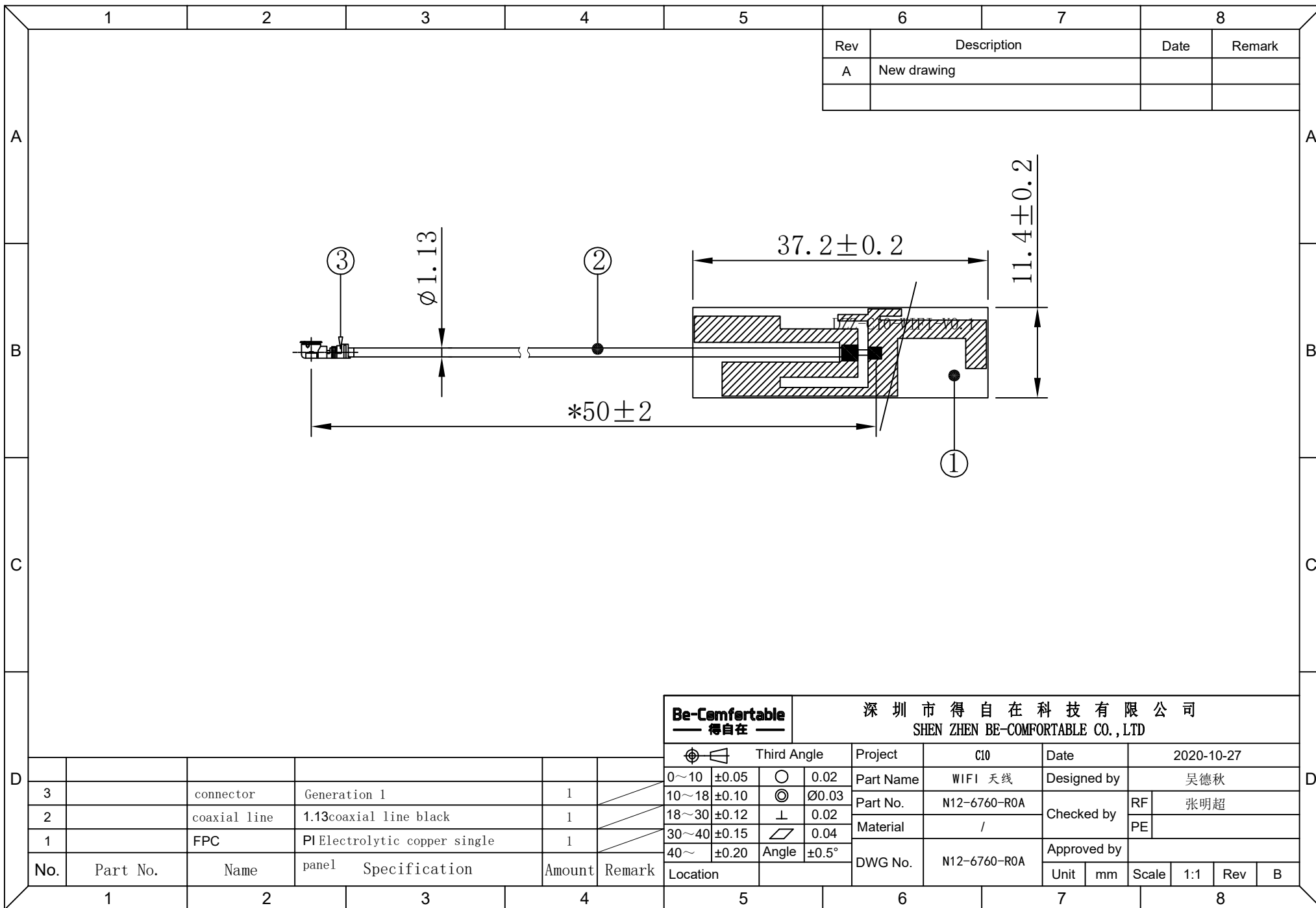
2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: 64 Probe test system

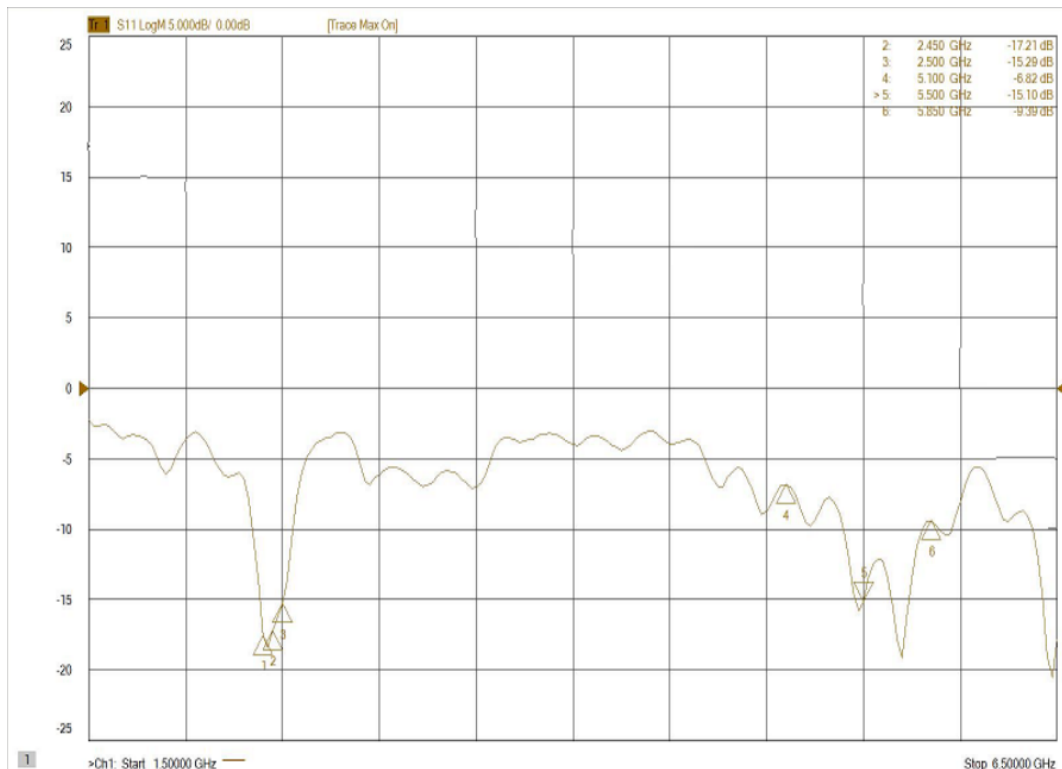


3. (Mechanical instruction)





4.The WIFI-1 Ant- S11



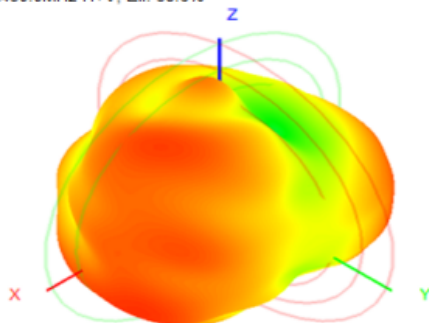
5. Gain & Efficiency /3D Pattern

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.23	-2.22	-2.24	-2.25	-2.31	-2.32	-2.31	-2.27	-2.26	-2.24	-2.37
Gain (dBi)	3.35	3.49	3.61	3.74	3.88	4.04	4.11	4.04	3.65	3.48	3.45
Efficiency (%)	59.82	59.96	59.76	59.60	58.75	58.57	58.81	59.27	59.37	59.75	57.91

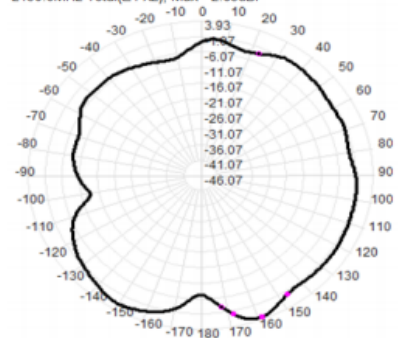
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Frequency (MHz)	2500.0	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Efficiency (dBi)	-2.37	-2.67	-2.84	-2.66	-2.81	-2.70	-2.47	-2.46	-2.35	-2.26	-2.14	-2.06	-2.01	-2.11	-2.04	-2.00
Gain (dBi)	3.45	4.35	3.88	3.77	3.14	2.43	2.68	2.24	2.32	2.20	2.29	2.37	2.42	2.60	2.86	2.83
Efficiency (%)	57.91	54.05	51.97	54.21	52.33	53.71	56.60	56.79	58.27	59.45	61.07	62.25	63.02	61.56	62.46	63.17

5. 3D Pattern

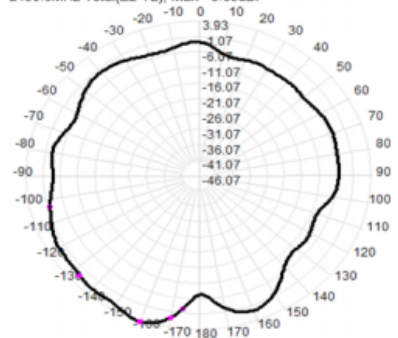
2450.0MHz H+V, Eff: 58.6%



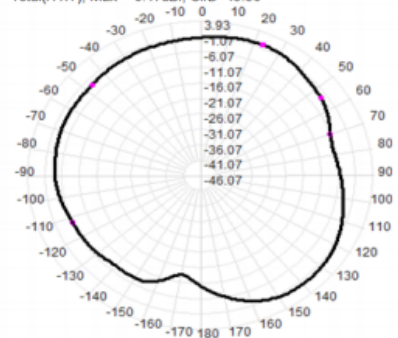
2450.0MHz Total(E1-XZ), Max= 2.83dBi



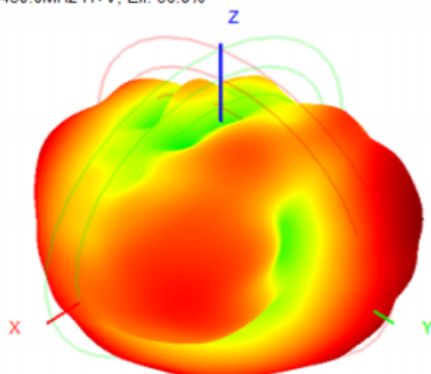
2450.0MHz Total(E2-YZ), Max= 3.93dBi



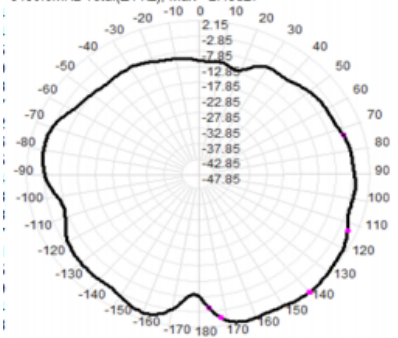
Total(H-XY), Max= -0.17dBi, CirD=13.56



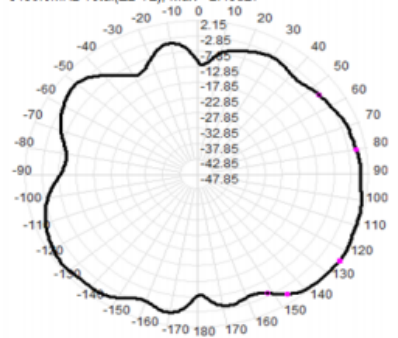
5450.0MHz H+V, Eff: 56.8%



5450.0MHz Total(E1-XZ), Max= 2.15dBi



5450.0MHz Total(E2-YZ), Max= 2.15dBi



Total(H-XY), Max= 1.16dBi, CirD=12.40

