



Antenna Approval Sheet

For

Z3B0433THTC Project

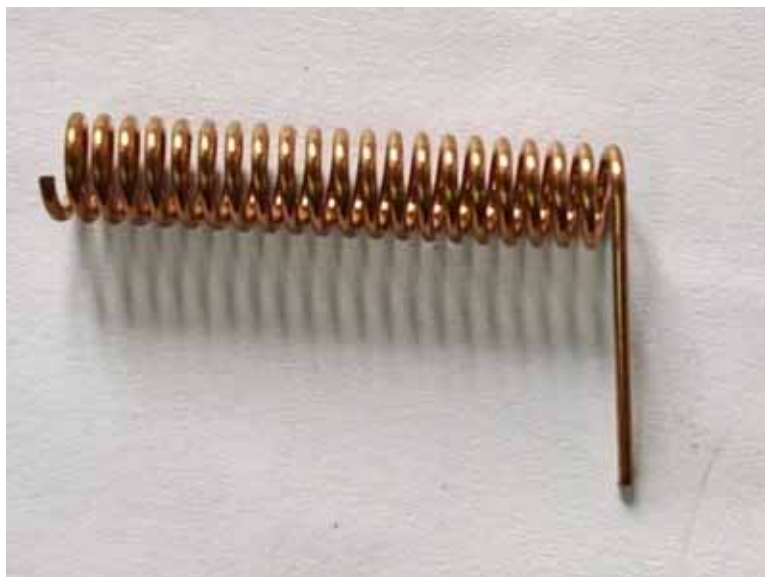
Customer	富士伟业	Project	Z3B0433THTC
Band	433MHZ/315MHZ		
ZC PN	FC006-XA-16		
Version	R:A	Data	2023-5-4

RF		ME	
Checked By			
Confirmed By			
Cust Confirm			



1. Summary of the DUT

Antenna Picture



2. Electrical Specification:

Antenna types	Built-in 433 Spring coil Antenna
Frequency	433MHZ,315MHZ
Impedance	50 Ω
VSWR	< 2.5
Gain	433MHZ 0.8 dbi, 315MHZ 0.2dbi
Efficiency	>20 %
Antenna Material	Copper
Connector Type	Soldering

3. Test Condition

3.1	测试项目	测试设备和型号	备注
无源测试	1. Antenna Gain 2. S.W.R 3. Return Loss 4. Radiation Pattern	1. Network analyzer (R&S ZVL6) 2. Network analyzer (HP 8753D)	

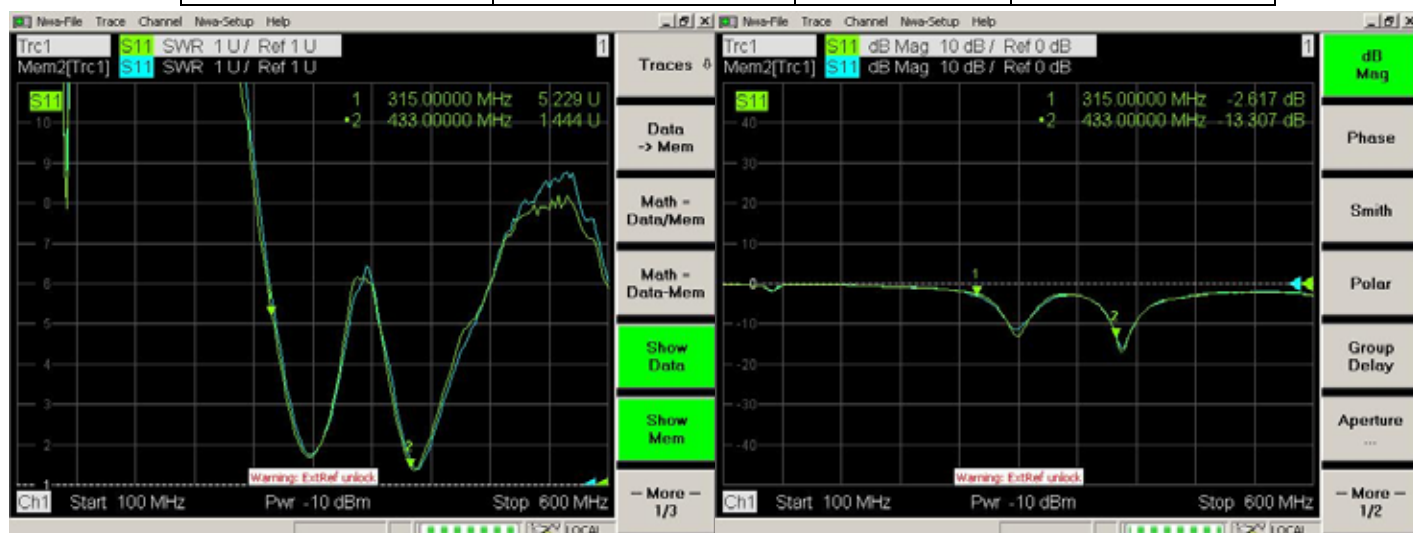
3.2 Matching Circuit The matching circuit was Default



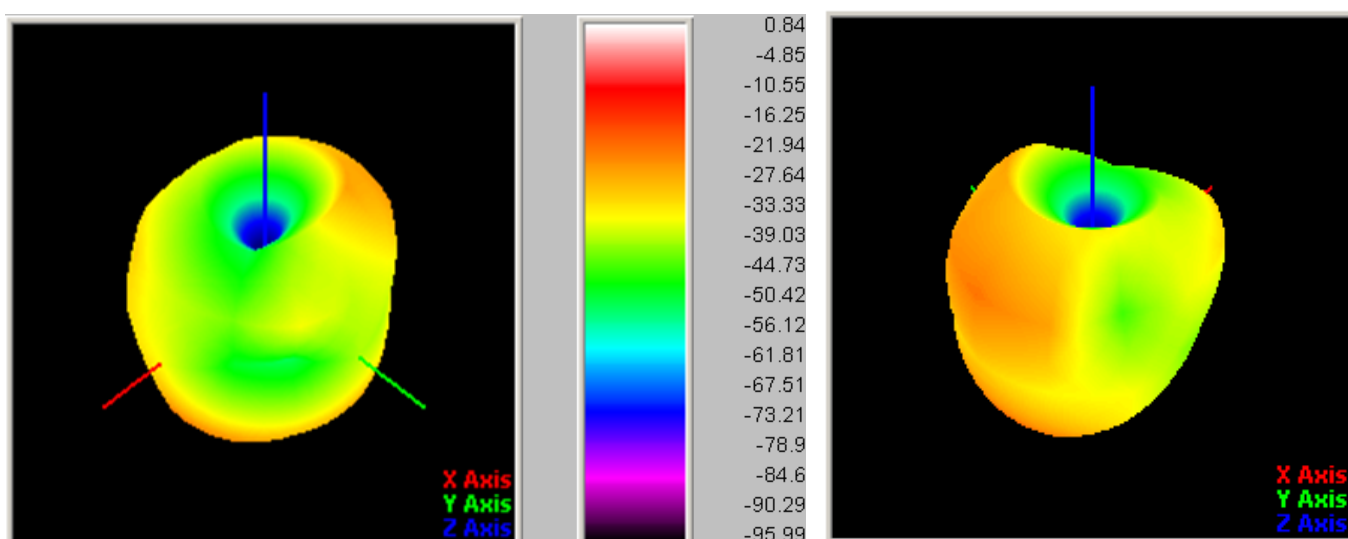
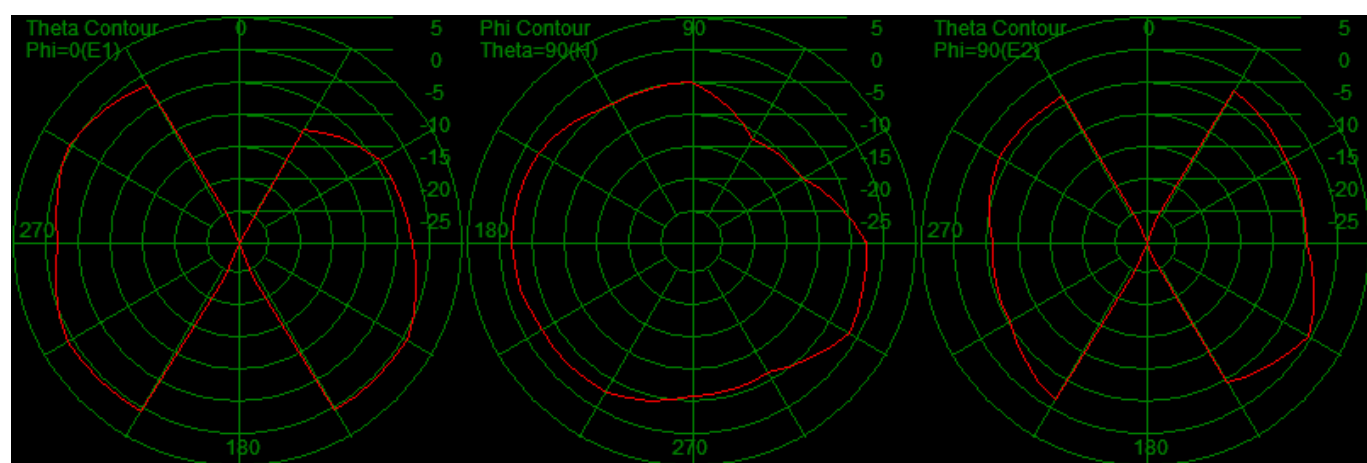
4. RF Performance

4.1 Passive parameters

Frequency (MHz)	Return Loss(dB)	VSWR	Gain (dBi)
433	-13.3	1.44	0.84
315	-2.61	5.22	0.22



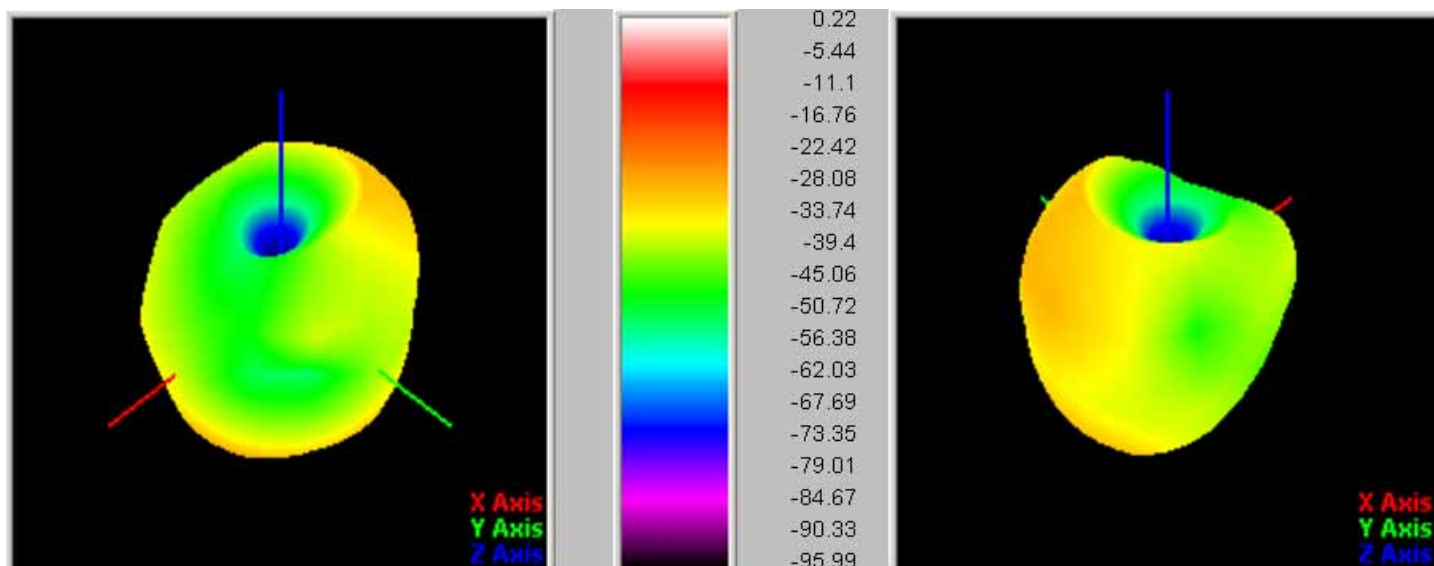
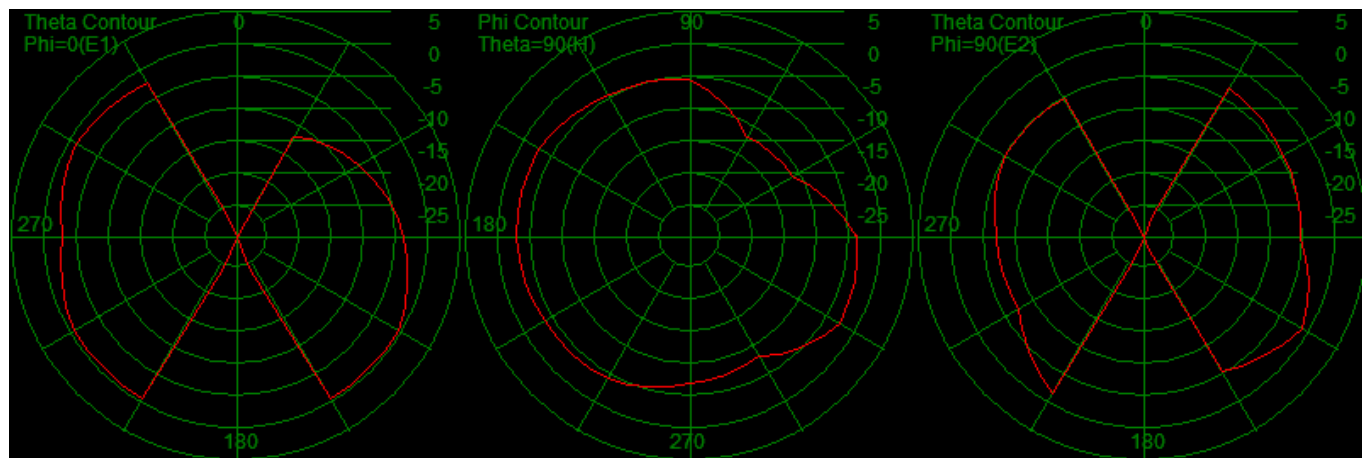
4.2 Radiation Pattern (Unit:db)



Passive -Freq443.00MHZ



Passive -Freq315.00MHZ





5. ME Drawing for the antenna

