



4th Floor, Building 3, No. 10 Yinyang Road, Zhangyang, Zhangmutou Town, Dongguan City

规格承认书

SPECIFICATION FOR APPROVAL

客户 Customer	
项目名称 Project Name	C10 - BT天线
客户料号 Customer NO.	
规格 specification	BT天线
供方料号 Supplier NO.	C10-BT
规格书编号 Specification NO.	
测试人 Write by	张斌
版本 REV.	Ver.1
日期 Date	2025/6/16
备注 Note	

客户确认 CUSTOMER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by
供方确认 SUPPLIER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by
王英杰 James	马东瑞 Mamr	张斌 Zhang Bin

1. 承认书项目表 (Index)

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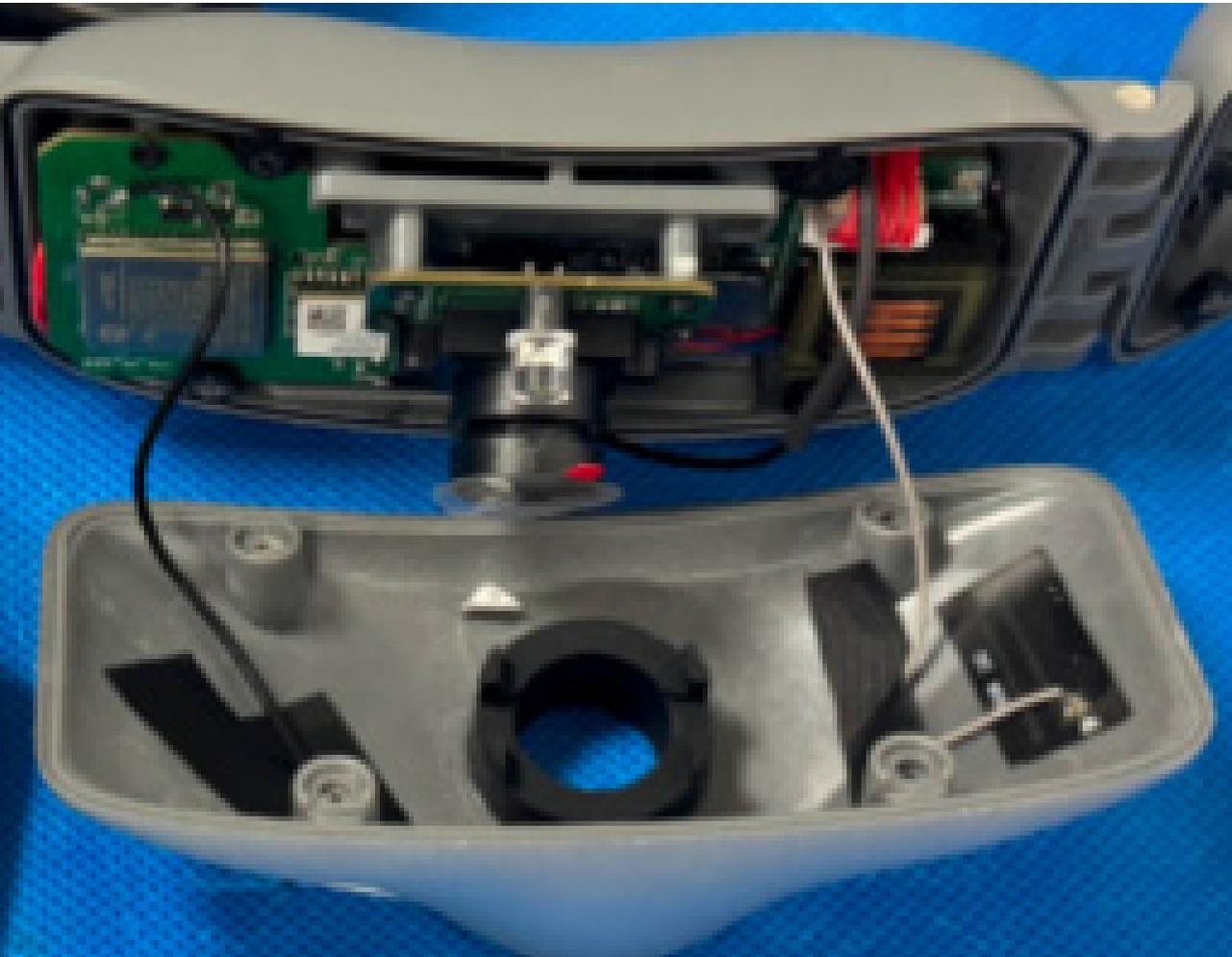
2. 试验设备和条件(Test Equipment & Conditions)

2.1 . Network Analyzers : KEYSIGHT [P5002A](#)

2.2 . Communications Test Set: R&S CMW 500

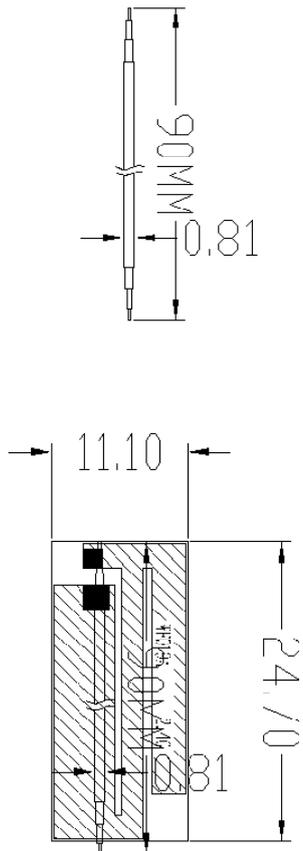
2.3 . 3D Chamber Test System: 2 4 探头测试系统

3. 样机结构说明件(Mechanical instruction)



BT天线位置

1	2	3	4	5	6	7	8
料号	颜色	色号	位号颜色				



由 Autodesk 教育版产品制作

注:

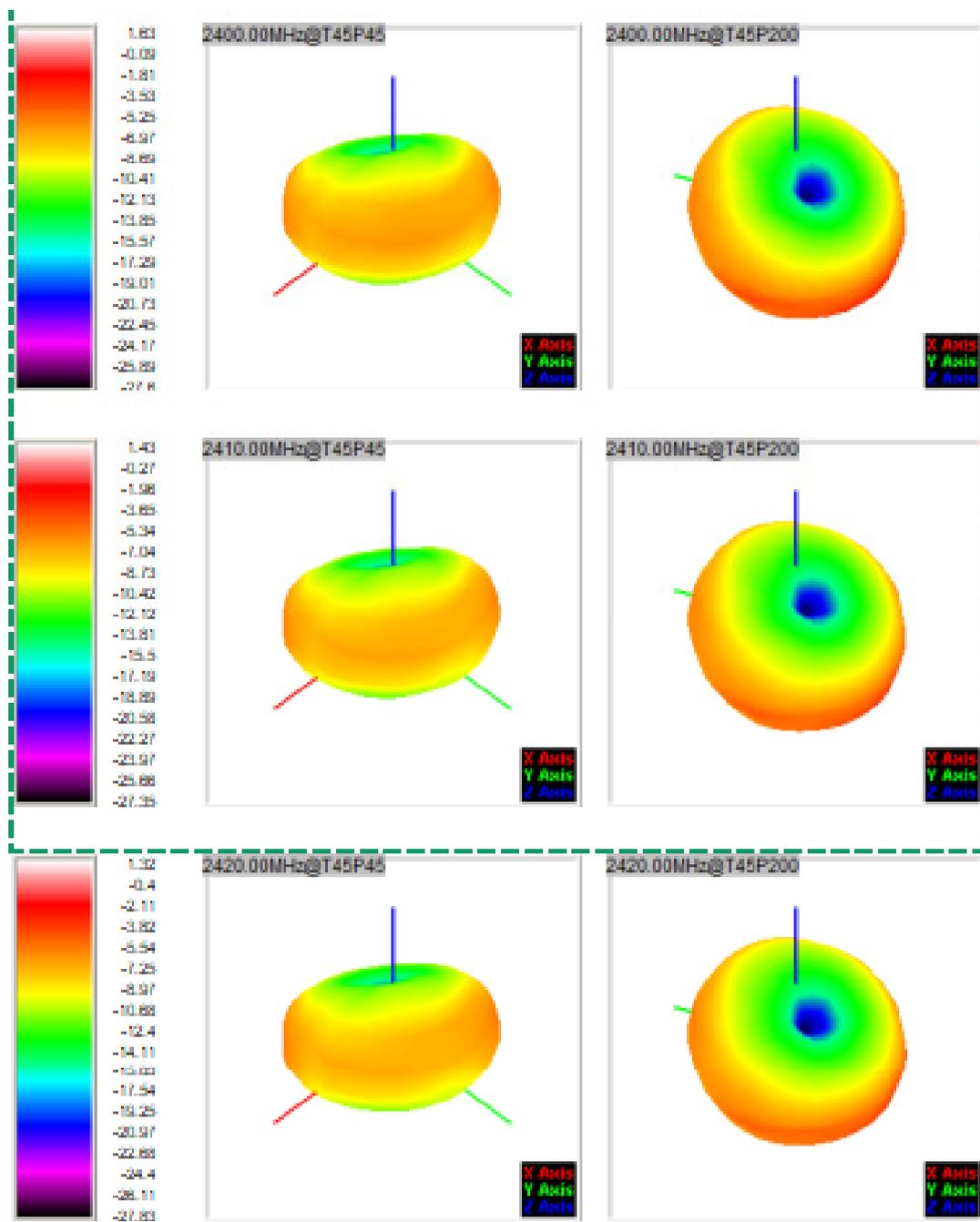
1. "*" 为重点尺寸, 孔径以适配为准;
2. FPC材料: 总长度: 一对半;
3. 反面带散(3M300USB);
4. 未标公称尺寸, 焊点焊尺寸公差为±0.15, 铜箔线条尺寸公差为±0.05, 标重点尺寸公差为±0.08;
5. 实心部分为抗氧化, 画斜线的为铜箔区, 画交叉线的为焊点区;
6. 表面黑色油墨: 100字率
7. Pb、Hg、Cr16、PBBs、PBDEs 各小于500PPM, Cd 小于50PPM。

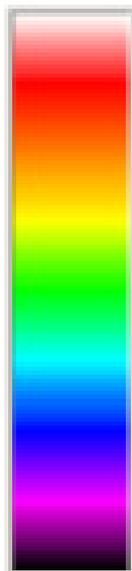
日期	修改	内容	版本	备注	图例编号	图例名称	材料	单位	比例	版本
1	2	3	4	5	6	7	8	9	10	11

5: 效率

FETUKEJI											
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
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-3.24	-3.39	-3.35	-3.27	-3.29	-3.12	-3.17	-3.39	-3.34	-3.17	-3.21
Peak EIRP (dBm)	1.63	1.43	1.32	1.30	1.15	1.23	1.25	1.21	1.36	1.62	1.61
Directivity (dBi)	4.87	4.81	4.67	4.57	4.44	4.34	4.42	4.60	4.70	4.79	4.82
Efficiency (dB)	-3.24	-3.39	-3.35	-3.27	-3.29	-3.12	-3.17	-3.39	-3.34	-3.17	-3.21
Efficiency (%)	47.40	45.80	46.20	47.10	46.90	48.80	48.20	45.80	46.30	48.20	47.80
Gain (dBi)	1.63	1.43	1.32	1.30	1.15	1.23	1.25	1.21	1.36	1.62	1.61
NHPRP \pm Pi/4 (dBm)	-3.73	-3.88	-3.86	-3.78	-3.81	-3.65	-3.71	-3.93	-3.88	-3.70	-3.75
NHPRP \pm Pi/6 (dBm)	-4.67	-4.82	-4.79	-4.72	-4.77	-4.61	-4.67	-4.90	-4.85	-4.68	-4.73
NHPRP \pm Pi/8 (dBm)	-5.45	-5.59	-5.56	-5.50	-5.55	-5.40	-5.46	-5.68	-5.64	-5.46	-5.52
Upper Hem. PRP (dBm)	-5.68	-5.80	-5.75	-5.66	-5.65	-5.44	-5.46	-5.67	-5.63	-5.47	-5.48
Lower Hem. PRP (dBm)	-6.91	-7.10	-7.08	-7.00	-7.05	-6.94	-7.05	-7.28	-7.22	-7.03	-7.10
Upper Hem. PRP (%)	27.05	26.33	26.61	27.15	27.22	28.56	28.45	27.08	27.36	28.40	28.32
Lower Hem. PRP (%)	20.38	19.51	19.58	19.96	19.70	20.23	19.72	18.69	18.96	19.81	19.49

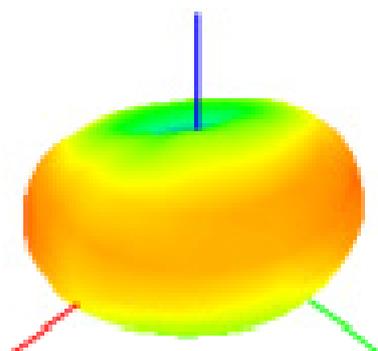
6: 3D图





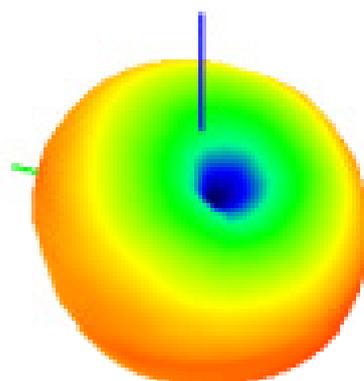
1.3
-0.48
-2.22
-3.98
-5.74
-7.51
-9.27
-11.03
-12.79
-14.56
-16.32
-18.08
-19.84
-21.6
-23.37
-25.13
-26.89
-28.85

2430.00MHz@T45P45

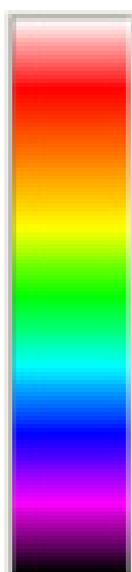


X Axis
Y Axis
Z Axis

2430.00MHz@T45P200

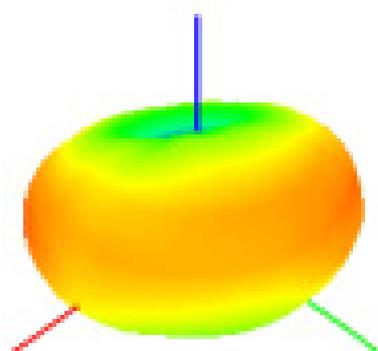


X Axis
Y Axis
Z Axis



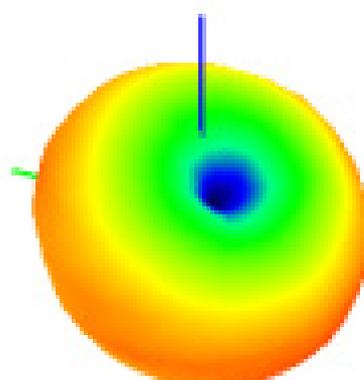
1.15
-0.85
-2.45
-4.28
-6.08
-7.88
-9.68
-11.48
-13.28
-15.07
-16.87
-18.67
-20.47
-22.27
-24.07
-25.87
-27.68
-29.48

2440.00MHz@T45P45

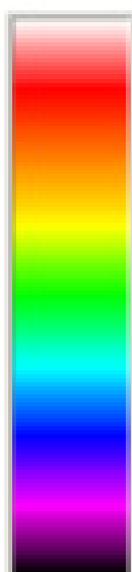


X Axis
Y Axis
Z Axis

2440.00MHz@T45P200

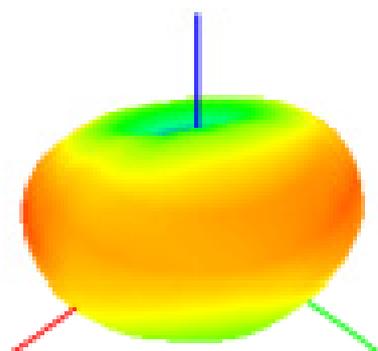


X Axis
Y Axis
Z Axis



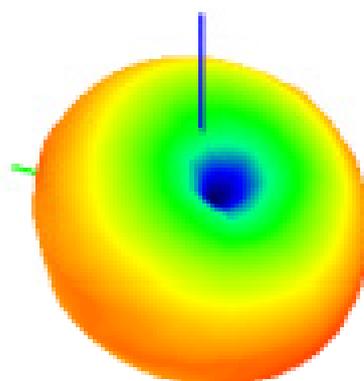
1.23
-0.53
-2.29
-4.05
-5.81
-7.57
-9.33
-11.09
-12.85
-14.61
-16.37
-18.13
-19.89
-21.65
-23.41
-25.18
-26.92
-28.88

2450.00MHz@T45P45



X Axis
Y Axis
Z Axis

2450.00MHz@T45P200

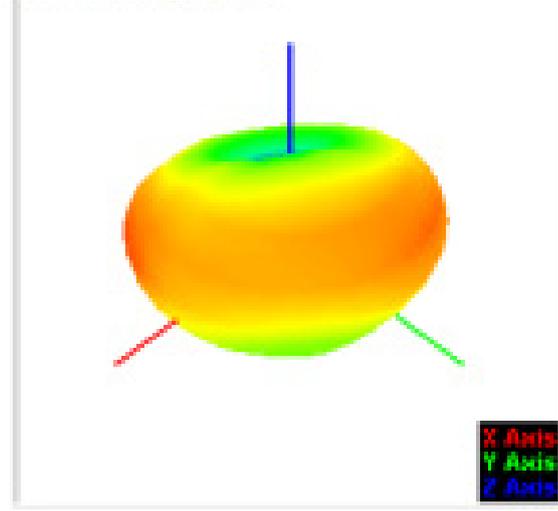


X Axis
Y Axis
Z Axis



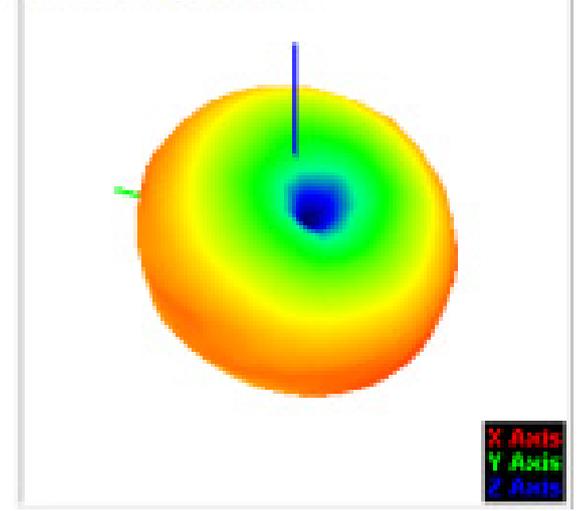
1.25
-0.4
-2.08
-3.72
-5.37
-7.03
-8.69
-10.35
-12
-13.68
-15.32
-16.97
-18.63
-20.29
-21.94
-23.6
-25.26
-26.92

2460.00MHz@T45P45



X Axis
Y Axis
Z Axis

2460.00MHz@T45P200

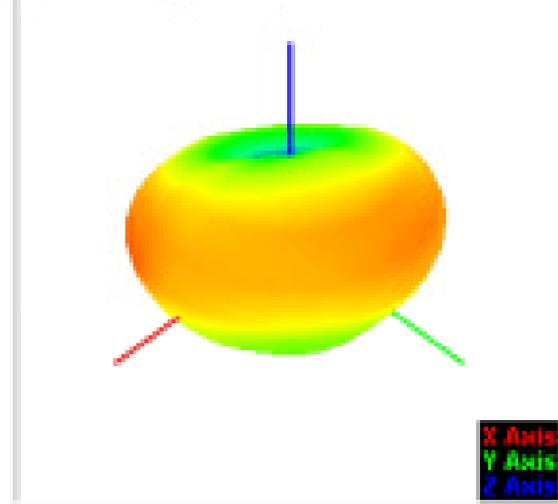


X Axis
Y Axis
Z Axis



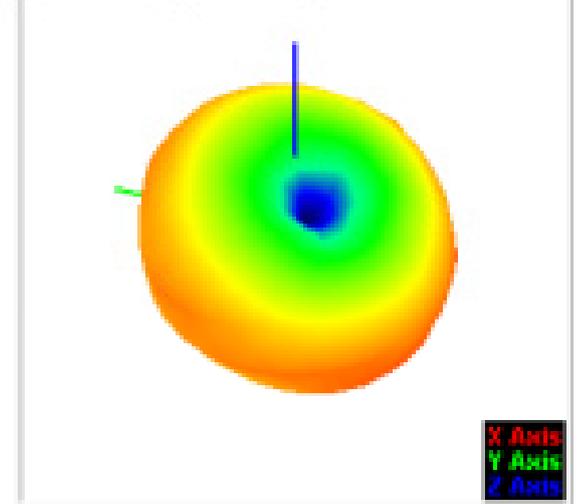
1.21
-0.38
-1.97
-3.56
-5.15
-6.73
-8.32
-9.91
-11.5
-13.09
-14.68
-16.26
-17.85
-19.44
-21.03
-22.62
-24.21
-25.79

2470.00MHz@T45P45



X Axis
Y Axis
Z Axis

2470.00MHz@T45P200

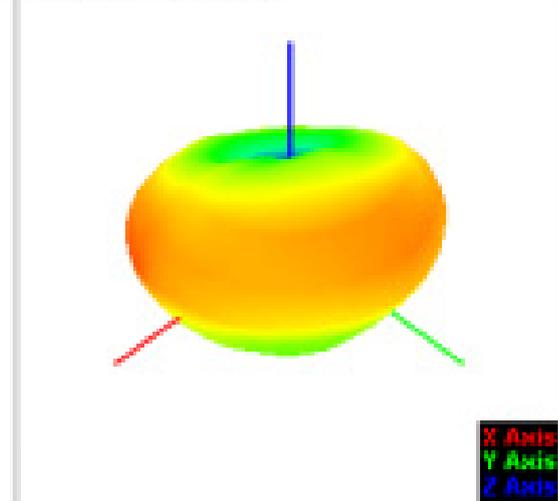


X Axis
Y Axis
Z Axis



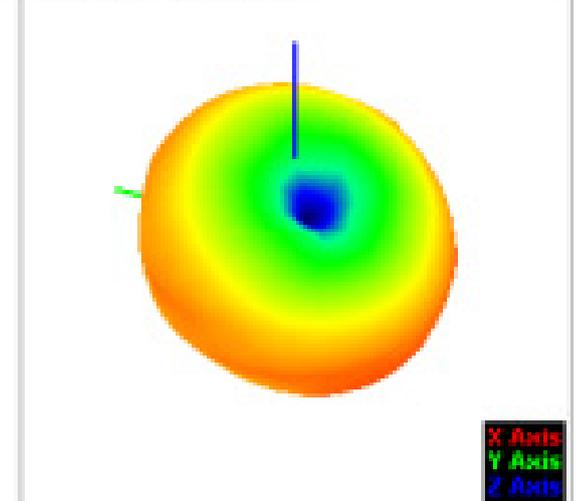
1.16
-0.19
-1.73
-3.28
-4.83
-6.38
-7.92
-9.47
-11.02
-12.57
-14.12
-15.68
-17.21
-18.76
-20.31
-21.85
-23.4
-24.95

2480.00MHz@T45P45



X Axis
Y Axis
Z Axis

2480.00MHz@T45P200



X Axis
Y Axis
Z Axis

