

# 深圳市千目通讯科技有限公司

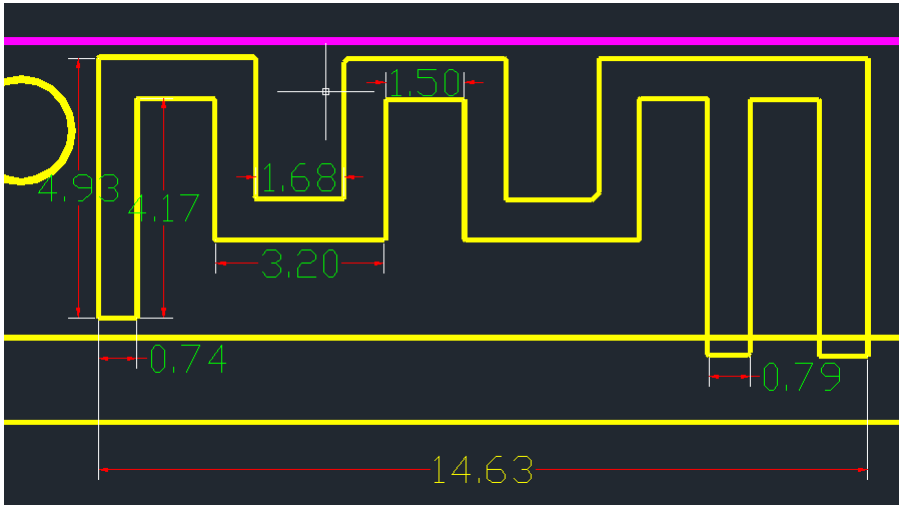
Shenzhen Qianmu Communication Technology Co., Ltd.

## Antenna specification

<b>Applicable model</b>			
<b>Customer</b>			
Specification description			
	<b>Product content</b>	<b>Specification</b>	<b>Customer material code</b>
<b>Specification description</b>	2.4 G antenna	Onboard	
Change resume			
<b>Serial number</b>	<b>Date</b>	<b>Version</b>	<b>Brief introduction of changes</b>
1	2022-01-13	V1.0	New project
2			
3			

Supplier sample confirmation					
<b>R&amp;D</b>	<b>Structure</b>	<b>Audit</b>	<b>Judge</b>		
			PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>		
Customer sample confirmation					
<b>Electron</b>	<b>Structure</b>	<b>Project</b>	<b>Procurement</b>	<b>Quality</b>	<b>Audit</b>
<b>Reasons for rejection or other precautions:</b>					

## 1、 Antenna Photo & Length (mm)



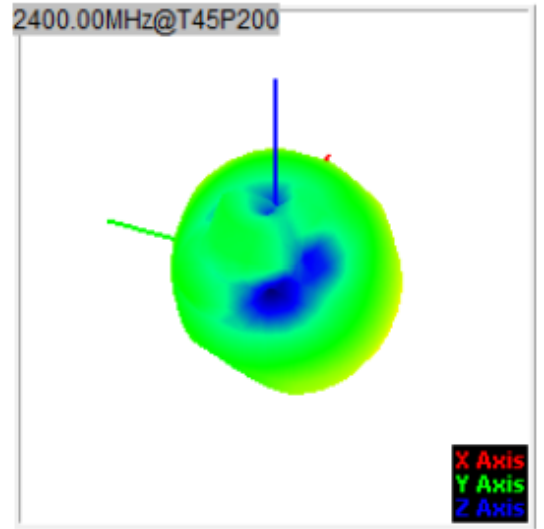
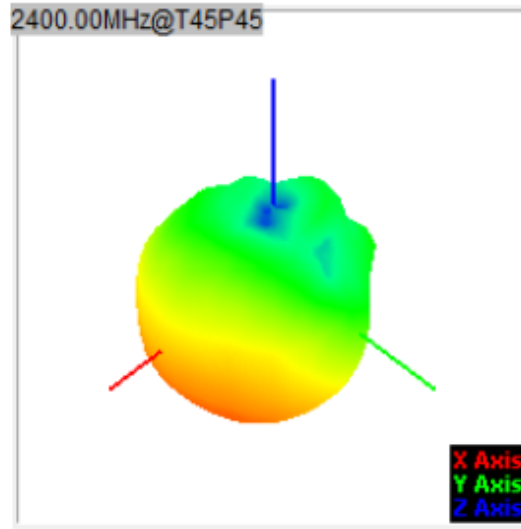
## 2、 Antenna gain and efficiency

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)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Peak EIRP (dBm)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
Directivity (dBi)	6.04	5.96	5.80	5.70	5.70	5.75	5.81	5.89	5.90	5.83	5.75
Efficiency (dB)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Efficiency (%)	9.20	8.50	8.00	7.90	7.40	7.30	7.00	6.30	6.10	6.10	5.70
Gain (dBi)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
NHPRP $\pm\pi/4$ (dBm)	-11.34	-11.70	-11.95	-12.06	-12.30	-12.33	-12.56	-12.99	-13.12	-13.19	-13.44
NHPRP $\pm\pi/6$ (dBm)	-12.63	-13.00	-13.26	-13.37	-13.62	-13.65	-13.89	-14.34	-14.49	-14.59	-14.87
NHPRP $\pm\pi/8$ (dBm)	-13.62	-14.00	-14.26	-14.39	-14.65	-14.70	-14.95	-15.41	-15.59	-15.71	-16.01
Upper Hem. PRP (dBm)	-16.13	-16.53	-16.81	-16.96	-17.23	-17.24	-17.47	-17.92	-18.05	-18.06	-18.22
Lower Hem. PRP (dBm)	-11.70	-12.03	-12.25	-12.34	-12.57	-12.63	-12.86	-13.28	-13.41	-13.48	-13.76
Upper Hem. PRP (%)	2.44	2.22	2.09	2.01	1.89	1.89	1.79	1.61	1.57	1.56	1.51
Lower Hem. PRP (%)	6.77	6.27	5.96	5.84	5.53	5.46	5.17	4.69	4.56	4.49	4.21

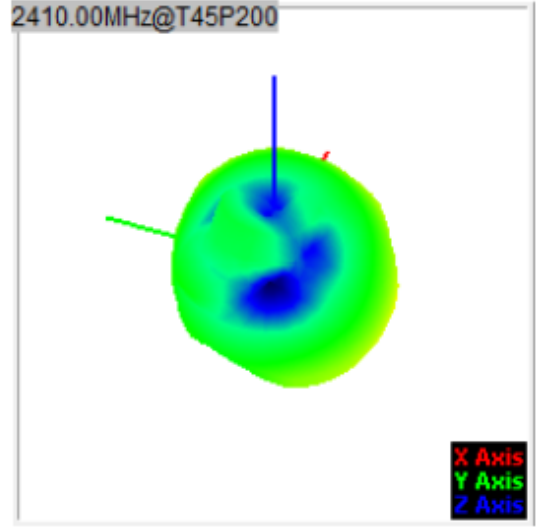
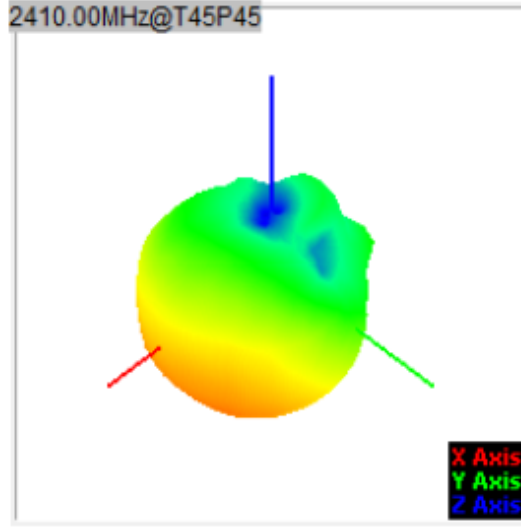
## 3、 Apple map



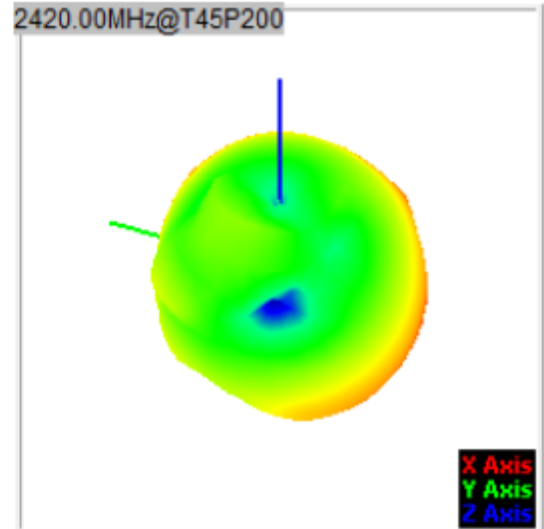
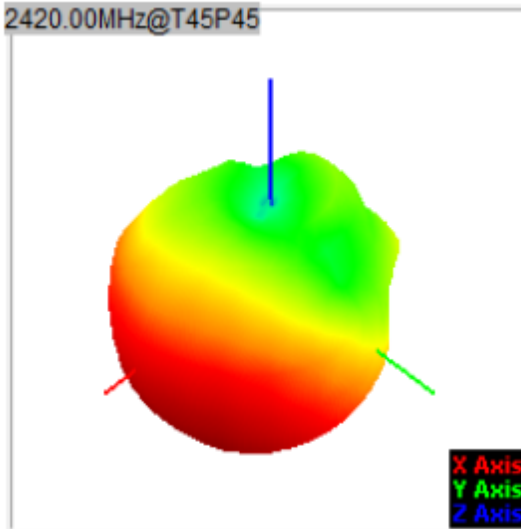
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-8.44  
-9.82  
-11.19  
-12.57  
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-16.69  
-18.07  
-19.44  
-20.81  
-22.19  
-23.56  
-24.94  
-26.31  
-27.69



-4.75  
-6.22  
-7.69  
-9.16  
-10.64  
-12.11  
-13.58  
-15.05  
-16.53  
-18  
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-22.42  
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-29.78



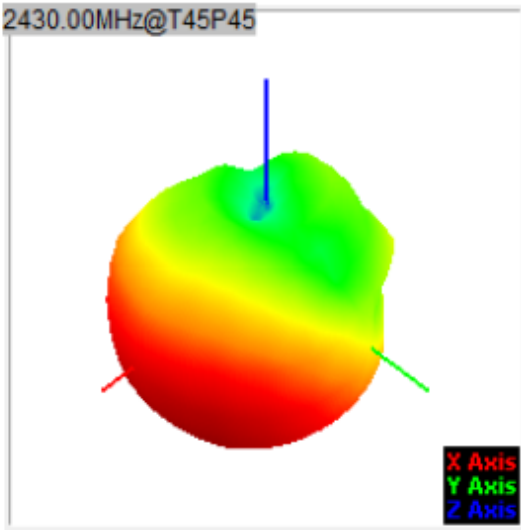
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-21.56  
-23.05  
-24.55  
-26.04  
-27.53  
-29.02  
-30.52





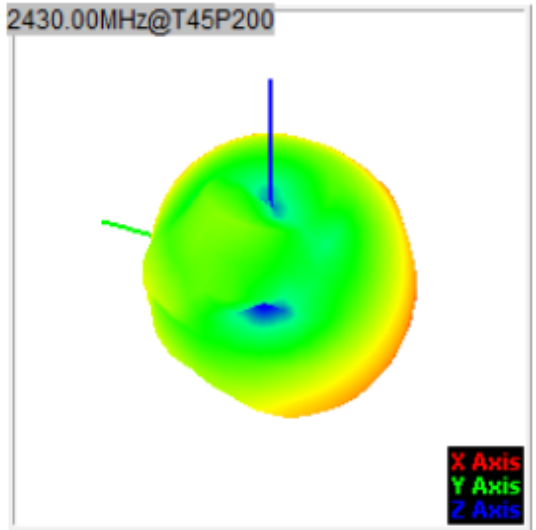
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-17.51  
-18.87  
-20.22  
-21.57  
-22.92  
-24.27  
-25.63

2430.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2430.00MHz@T45P200

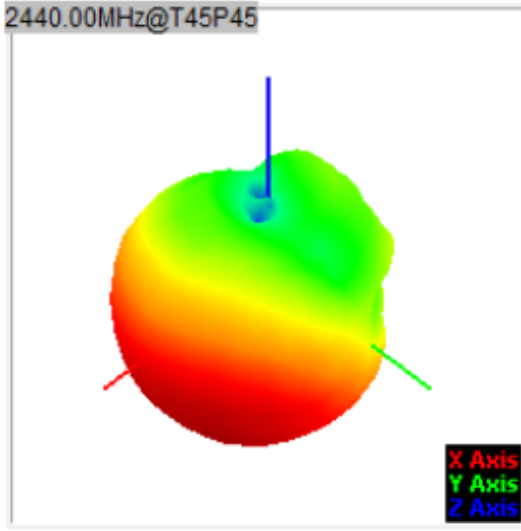


X Axis  
Y Axis  
Z Axis



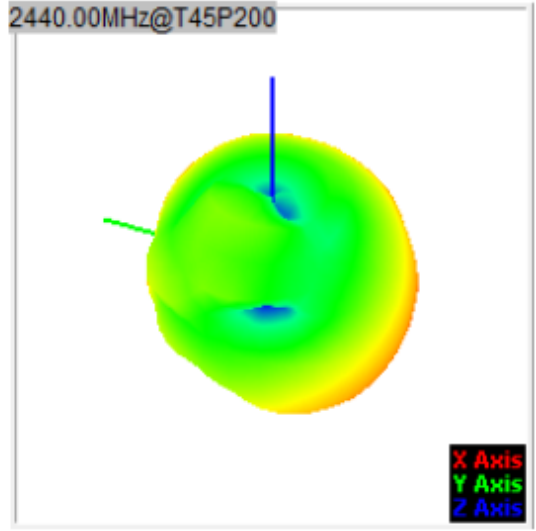
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-19.17  
-20.4  
-21.64  
-22.87  
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2440.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2440.00MHz@T45P200

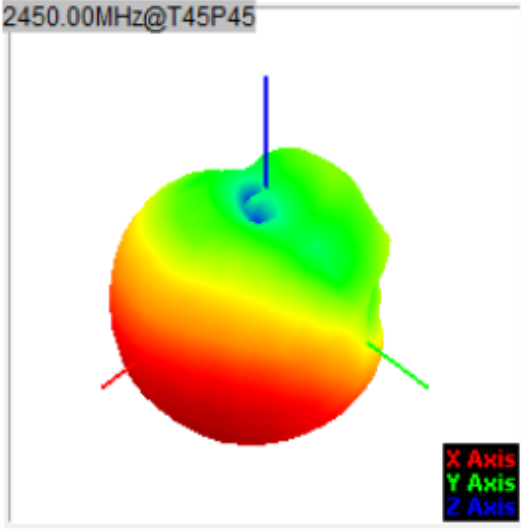


X Axis  
Y Axis  
Z Axis



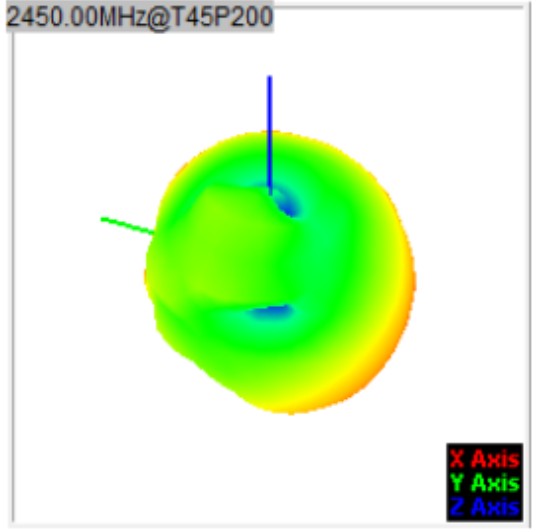
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-11.87  
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-16.89  
-18.15  
-19.41  
-20.66  
-21.92  
-23.18  
-24.43  
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-26.95

2450.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2450.00MHz@T45P200

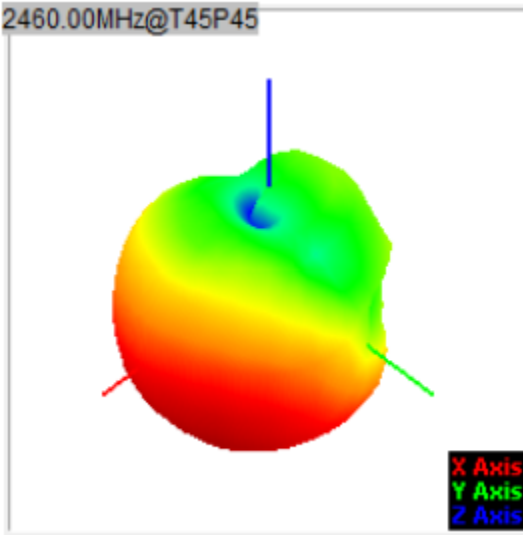


X Axis  
Y Axis  
Z Axis



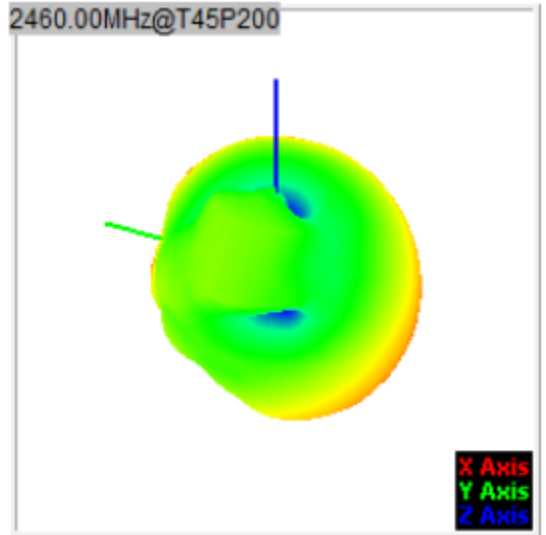
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-13.6  
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-17.52  
-18.83  
-20.13  
-21.44  
-22.75  
-24.05  
-25.36  
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-27.97

2460.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2460.00MHz@T45P200

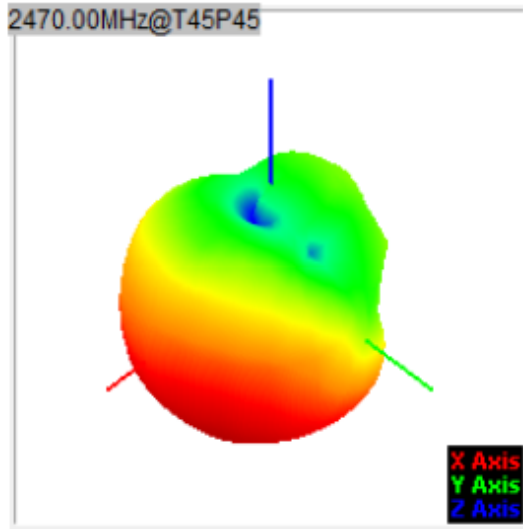


X Axis  
Y Axis  
Z Axis



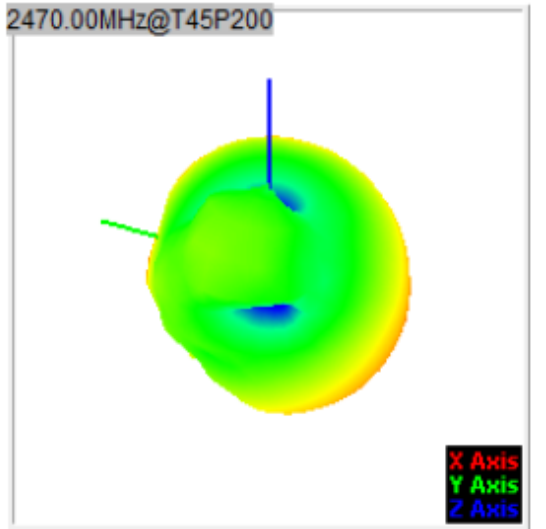
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-18.29  
-19.64  
-21  
-22.35  
-23.7  
-25.06  
-26.41  
-27.76  
-29.12

2470.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2470.00MHz@T45P200

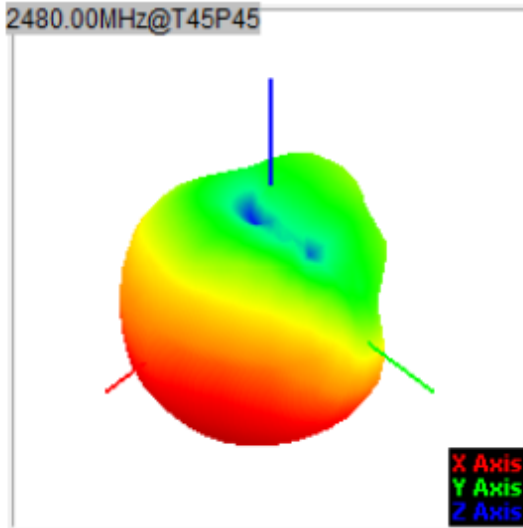


X Axis  
Y Axis  
Z Axis



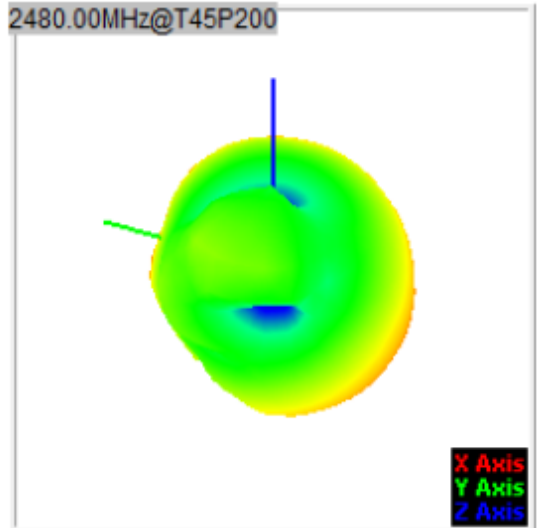
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-7.57  
-8.91  
-10.24  
-11.58  
-12.92  
-14.26  
-15.6  
-16.94  
-18.28  
-19.62  
-20.96  
-22.3  
-23.64  
-24.98  
-26.32  
-27.66  
-29

2480.00MHz@T45P45



X Axis  
Y Axis  
Z Axis

2480.00MHz@T45P200



X Axis  
Y Axis  
Z Axis

