专业的RF研发机构



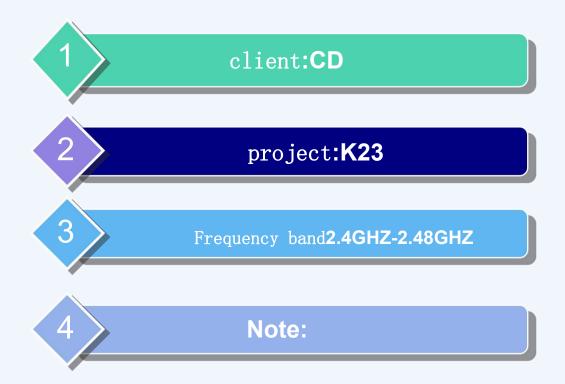
深圳市恒信达通信科技有限公司

Antenna test debugging report

射频工程师: 曾庆雄

Contact number: 13265760393

Project information



Introduction of the company's main

list

Main test item

equipment

S parameter

Return loss: Standing wave ratio: Smith circle chart

E5071C Network analyzer

Coupling power test

Transmission power and reception

CMW500 Comprehensive tester

Radiation and gain

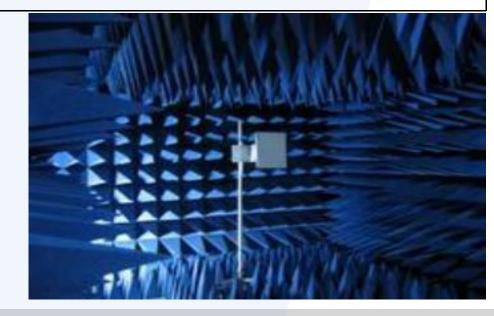
sensitivity

1. 3D microwave darkroom: 7x4x3 m (3D)

2. CMW500

Radiation pattern: Antenna gain :3D data

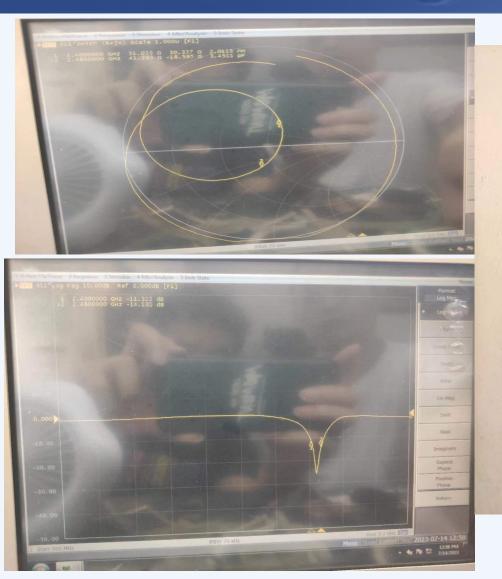




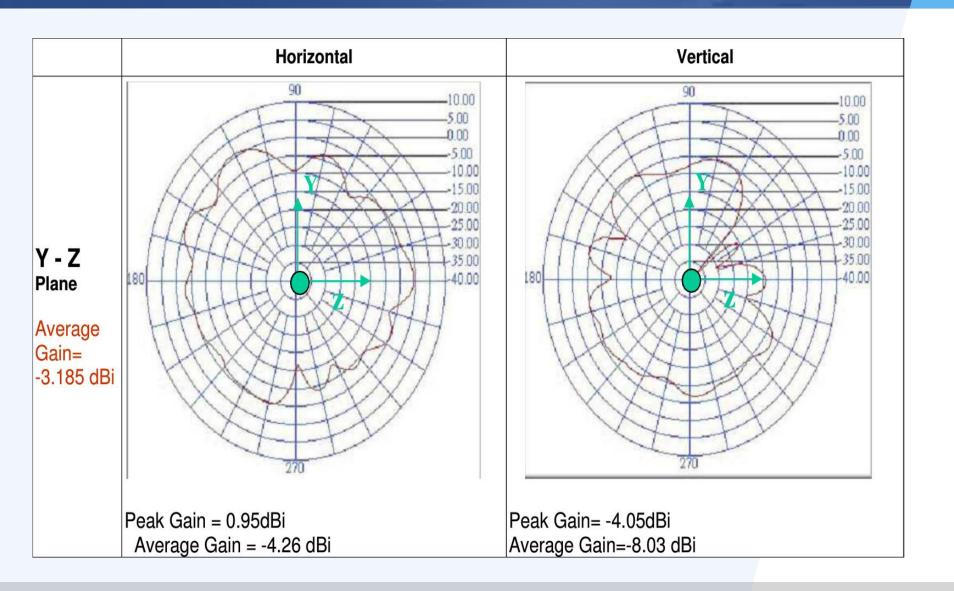
Mobile phone antenna project design debugging instructions

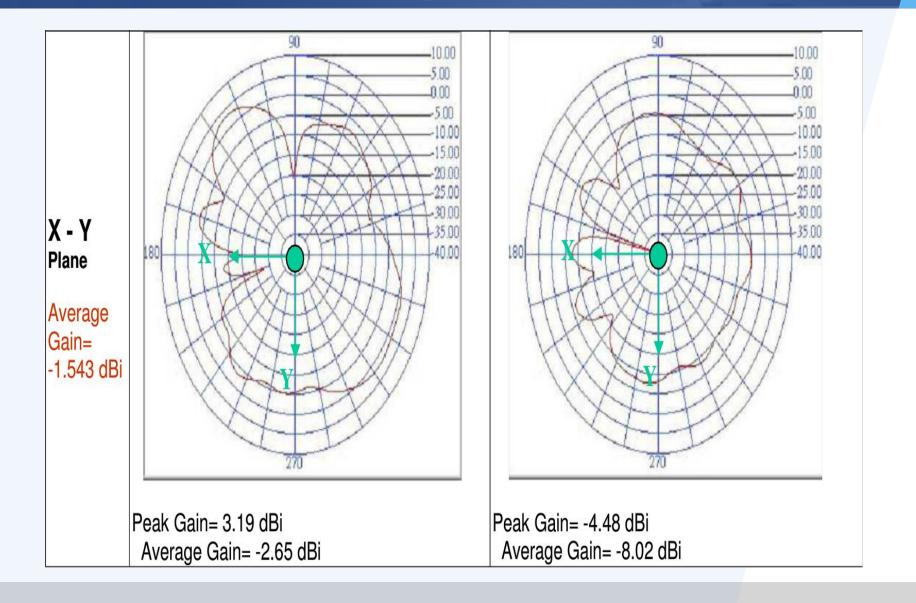
Opera ting frequ ency	2.4-2.48GHZ	Test engin eer	曾庆雄	edition	V4	
	Drawing of complete machine	Antenna matching circuit				
	AZ MONSTER	E2 Antenna E1				
	Machine antenna drawing	Matching specification				
				L	R	
		E1		2PF	2PF	
		E2		OR	1.5NH	
		E3		NC	NC	

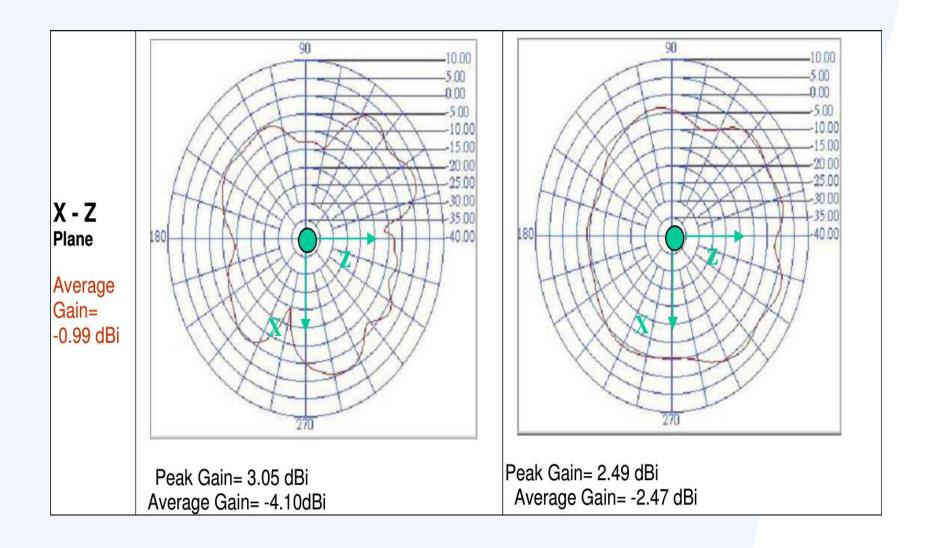
Below is the passive S-parameter diagram







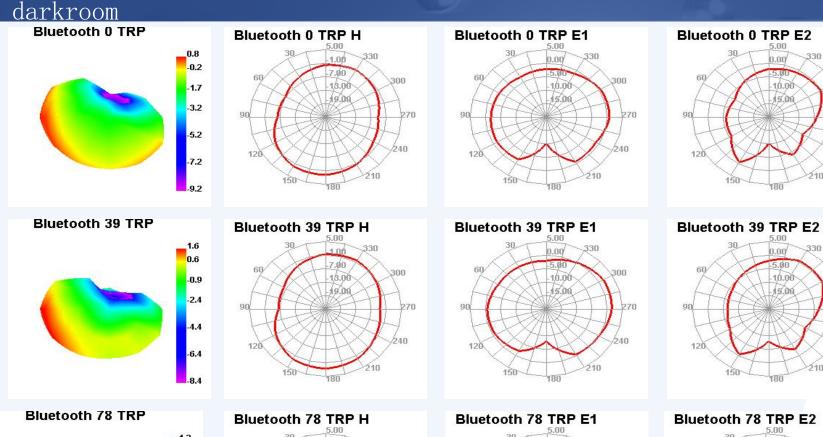


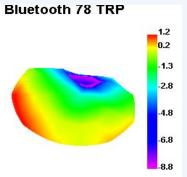


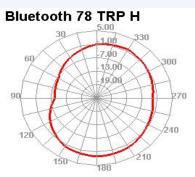
The following data are L-antenna far-field TRP data in 3D microwave darkroom

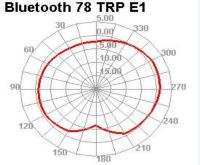
Test	Bluetooth TRP		i i	Application Information		
Result	0	39	78	04	Wersion	5. 256. 357
Frequency (MHz)	2402	2441	2480	To	otalTime	16m 20s 24ms
TRP (dBm)	-2.19	-1.41	-1.72	Ac	dditionalInfor	7CDEFB04AF9
NHPRP(dBm) 45	-3.58	-2.78	-3.05			
MAX (dBm)	0.75	1.65	1.23			
EIRP peak	0.75	1.65	1. 23			
Min(dBm)	-10.31	-8.01	-8.68			
Attenuation Horiz	2 (0)	43.34	43.34			
Attenuation Verti		43.24	43.24			
Bluetooth TRF	•					
8.00						
6.00						
4.00						
2.00						
2.00						
0.00 CH0		CH39		CH78	3	
Cito		CHOO		CITY		

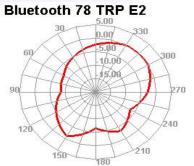
The following is the far field 3D image of L antenna in 3D microwave











-10.00

15.00

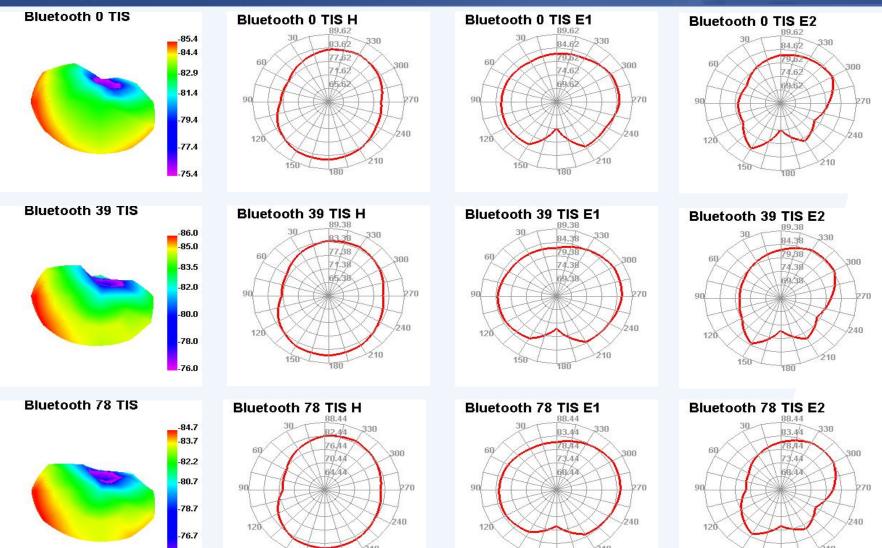
10.00

15.00

The following data are far field TIS data of L antenna in 3D microwave darkroom

Test	Bluetooth TIS			Applicat	ion Information	
Result	0	39	78		04Version	5. 256. 357
Frequency (MHz)	2402	2441	2480		TotalTime	16m 20s 24ms
TIS(dBm)	-82. 43	-82.98	-8 1 . 72		AdditionalInfo	7CDEFB04AF9
NHPIS(dBm) 45	-81.05	-81.6	-80.39			
RSSIAve	-2.19	-1.41	-1.72			
MaxPosRSSI	-0.38	0. 26	0			
MaxPosSens	-84. 24	-84.64	-83. 44			
MAX (dBm)	0.75	1.65	1.23			
EIS peak	0.75	1.65	1.23			
Min(dBm)	-10. 31	-8. 01	-8.68			
Attenuation Horizo	43.34	43. 34	43.34			
Attenuation Vertic	43. 24	43. 24	43.24			
Bluetooth TIS						
88.00					_	
86.00						
					-	
84.00						
82.00						
80.00 CH0		CH39		C	H78	

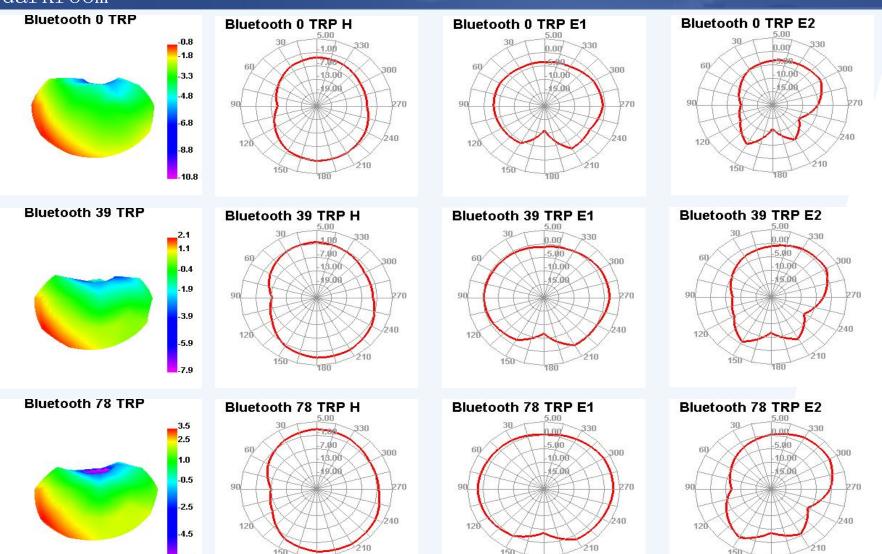
The following is the far field 3D image of L antenna in 3D microwave darkroom



The following data are far field TRP data of R antenna in 3D microwave darkroom

Test	Blu	uetooth TRI	P	Application Information		
Result	0	39	78	04	Wersion	5. 256. 357
Frequency (MHz)	2402	2441	2480	To	otalTime	16m 23s 952ms
TRP (dBm)	-3. 78	-1.14	0.42	Ad	lditionalInfor	97800CB812F
NHPRP (dBm) 45	-5. 18	-2.57	-0.97			
MAX (dBm)	-0.79	2.06	3.45			
EIRP peak	-0.79	2.06	3. 45			
Min(dBm)	-11. 21	-7. 47	-7. 11			
Attenuation Horizo	30.0	43. 34	43.34			
Attenuation Vertic		43. 24	43.24			
Bluetooth TRF	,		1 1			
8.00						
6.00						
4.00						
2.00						
0.00 CH0		CH39		CH78	3	

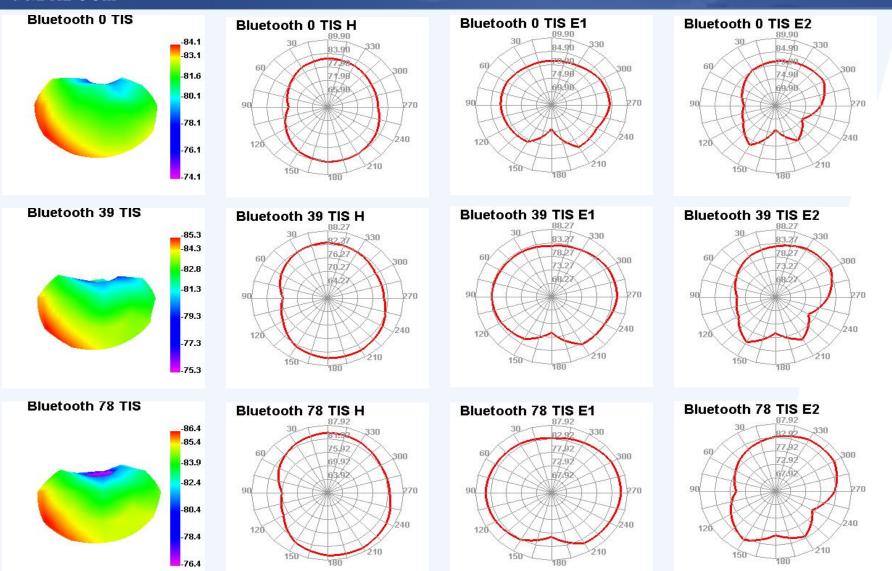
The following is the far field 3D image of R antenna in 3D microwave darkroom



The following data are far field TIS data of R antenna in 3D microwave darkroom

Test	Bluetooth TIS			Applica	tion Information	
Result	0	39	78		04Version	5. 256. 357
Frequency (MHz)	2402	2441	2480		TotalTime	16m 23s 952ms
TIS(dBm)	-81. 12	-82. 13	-83.34		AdditionalInfo	or 97800CB812F
NHPIS(dBm) 45	-79.72	-80.7	-81.95			
RSSIAve	-3. 78	-1.14	0.42			
MaxPosRSSI	-2.06	0.57	1. 92			
MaxPosSens	-82.84	-83.84	-84.84			
MAX (dBm)	-0.79	2.06	3.45			
EIS peak	-0.79	2.06	3.45			
Min(dBm)	-11. 21	-7.47	-7.11			
Attenuation Horizo	TO ADDRESS SHOW THE	43.34	43.34			
Attenuation Vertic	43. 24	43. 24	43.24			
Bluetooth TIS					_	
88.00						
86.00						
84.00						
82.00						
80.00						
СНО		CH39		(CH78	

The following is the far field 3D image of R antenna in 3D microwave darkroom



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Address: 3rd Floor, Brilliant Complex Building, Tongsheng Community, Dalang, Longhua New District, Shenzhen