



Kepchoge

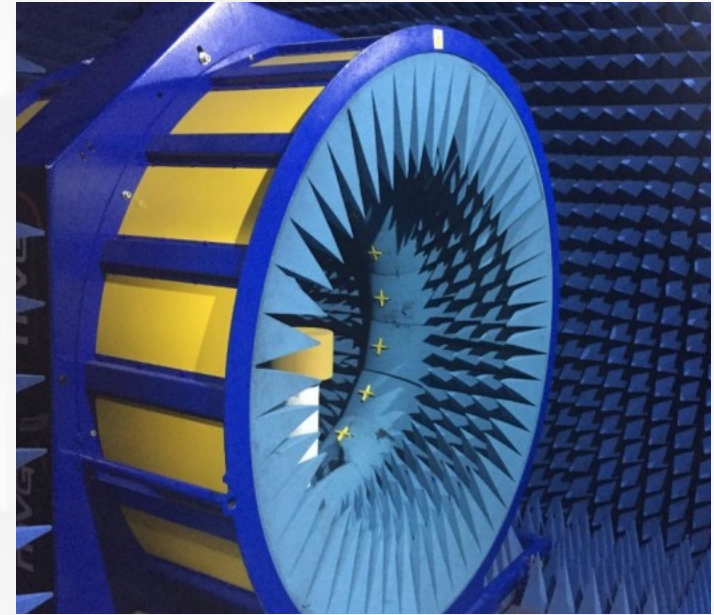
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Shenzhen cape deep communication technology co.,LTD

Antenna Debugging Report

test report

(Laboratory test environment and equipment Kepchung

) Kaipu Deep Technology



test item

testing facility

S11、S12、VSWR、LOSS

Network analyzer E5071B, E5062A

Efficiency、Gain 3D
Radiation Pattern

Satimo SG16 darkroom, GP7*4*3 darkroom, E5071B

TRP、TIS

Satimo SG16 darkroom, GP7*4*3 darkroom, 8960
CMW500、MT8820C、E4438C、

Cape Deep Communication Technology Co., LTD



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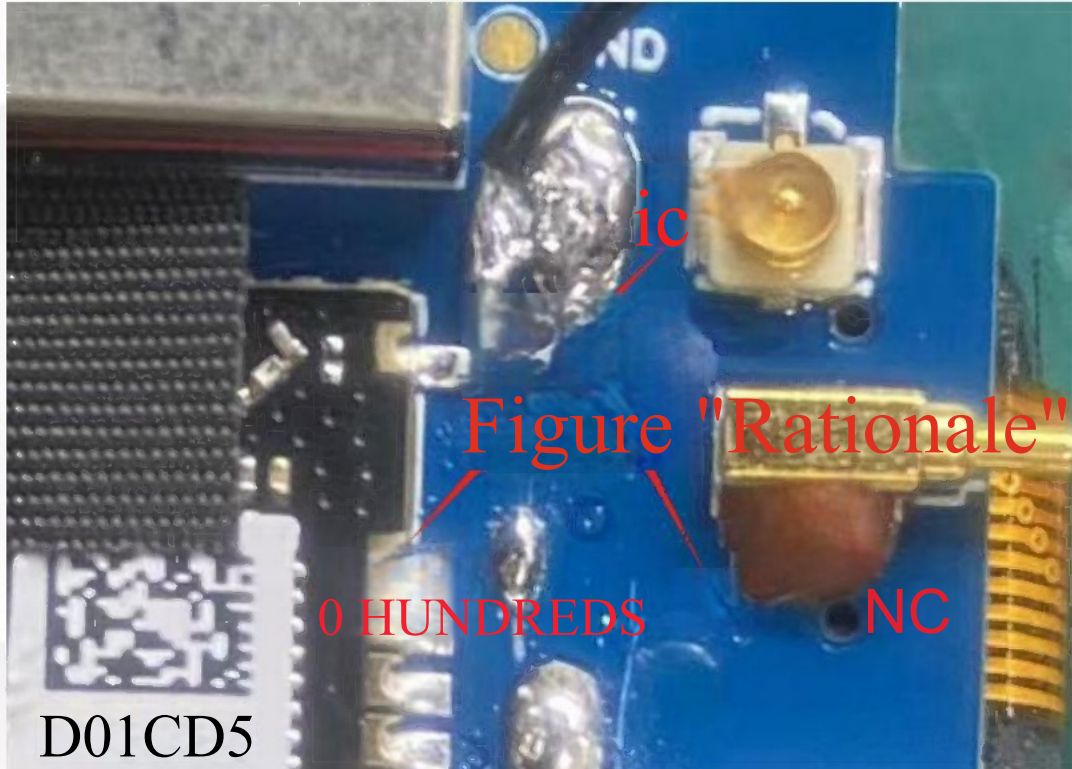
Itemization of Adjustments

Type of machine		
		Band information
Type and frequency band information of antenna	2.4G	
	BT	
Antenna material	FPC	



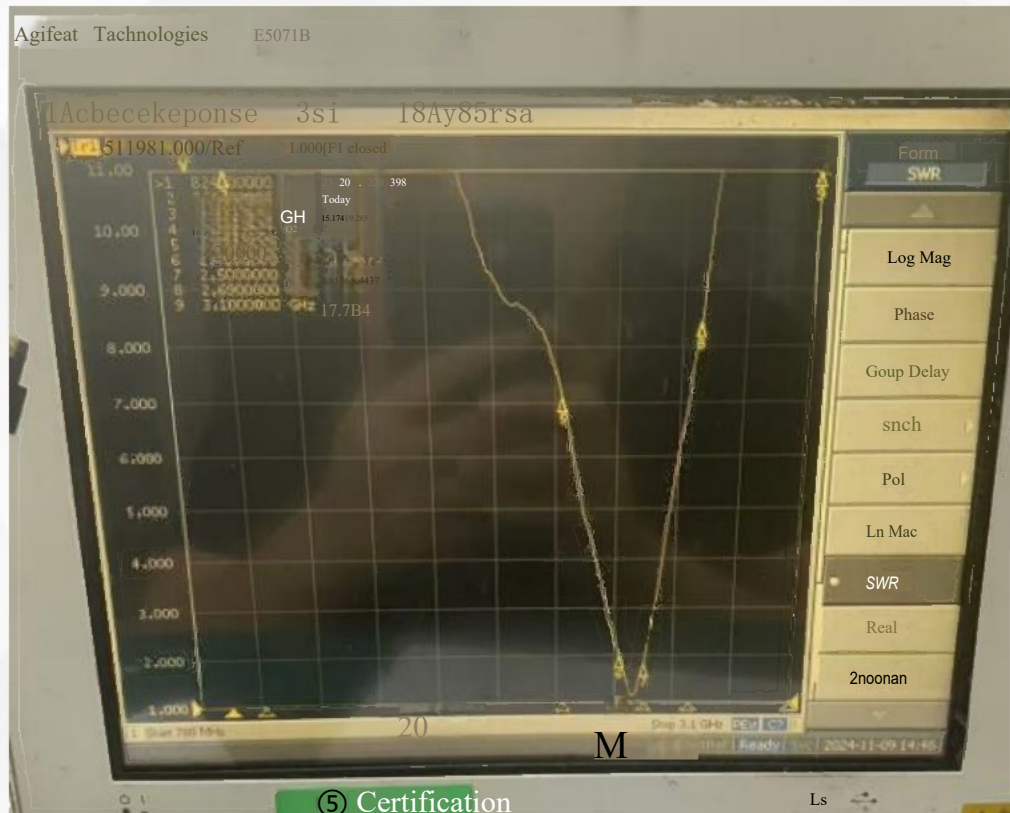
Kai Pui-Shing

BT Antenna Matching Circuit





BT Passive Standing Wave Diagram





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Antenna Test Data

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	14.56	-8.36	-5.37
2410	14.98	-8.24	-5.02
2420	15.32	-8.14	-4.84
2430	15.69	-8.04	-4.65
2440	16.69	-7.77	-4.37
2450	17.21	-7.64	-4.19
2460	16.32	-7.87	-4.1
2470	16.54	-7.81	-4.14
2480	16.32	-7.87	-4.52
2490	15.14	-8.19	-3.84
2500	14.11	-8.51	-4.43

2.4G

Passive Test For BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBd)
2400	10.52	-9.78	-7.52
2410	11.2	-9.51	-7.17
2420	11.51	-9.39	-6.99
2430	11.84	-9.27	-6.8
2440	12.4	-9.06	-6.52
2450	13.04	-8.85	-6.34
2460	13.28	-8.77	-6.25
2470	13.05	-8.84	-6.29
2480	12.14	-9.16	-6.67
2490	14.19	-8.48	-5.99
2500	12.54	-9.02	-6.58

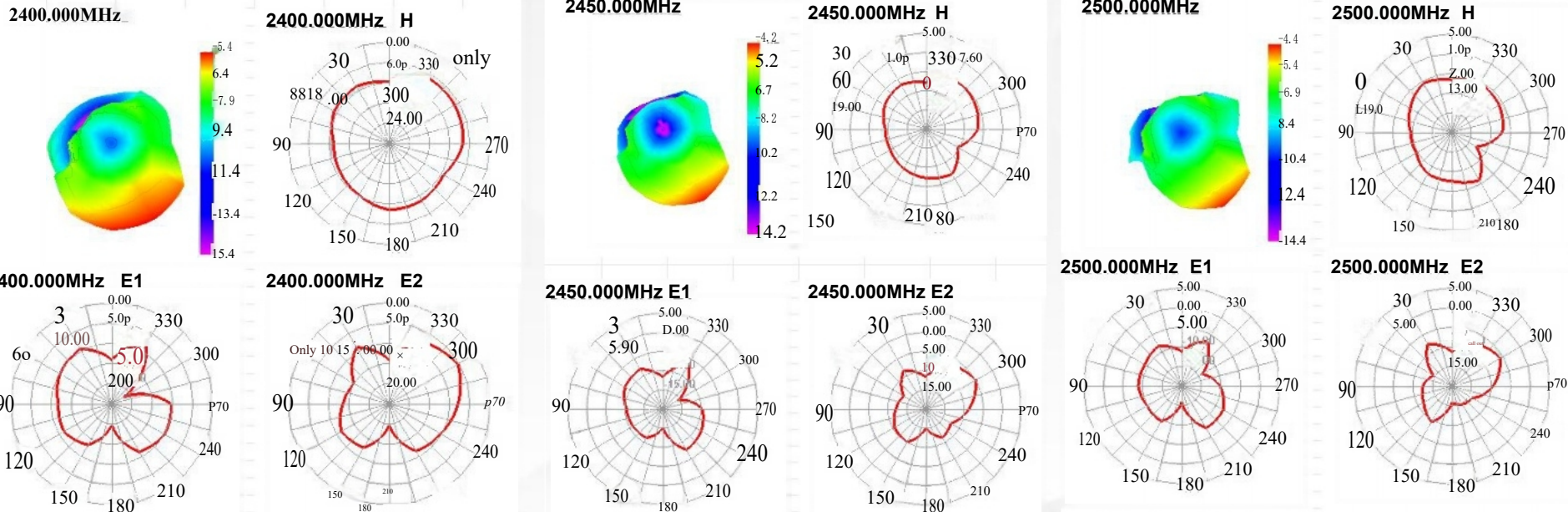
BT

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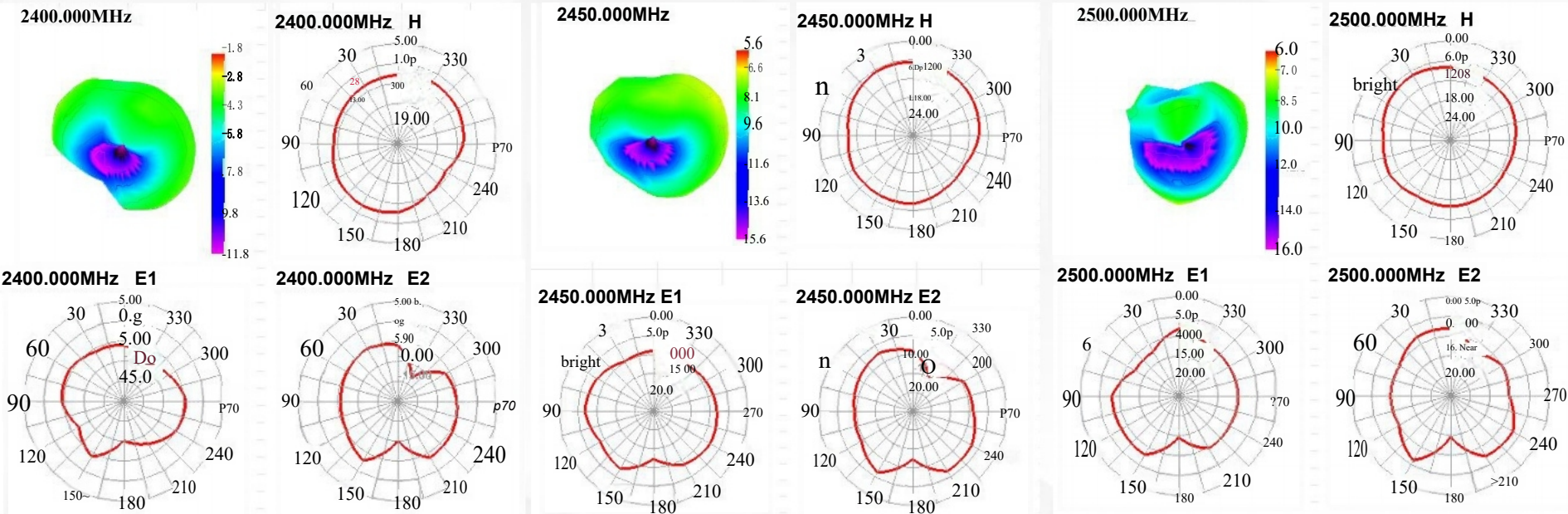
BT No. Source Direction Diagram





Kai Pui-Shing

2.4G Source Free Direction Diagram





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THE END

Thank You for Your Valuable Advice!