



RTANT

Dongguan Ante Communication Co.,LTD

Rt ant C o m m u n i c a t i o n s C
o . , L t d

Commissioning & test report

Antenna Commissioning & Test Report

Customer: Sanzi

Project: E1 PRO Upgrade

version

Antenna engineer: Li Hunan

Date: 2024-9-6

Version: V1.0

Project leader: Jiang Lei

158999112 29



catalogue



RTANT

一、Project Adjust Profile

二、Laboratory Testing Enviroment and Equipment

三、Antenna Matching Circuit

四、Antenna Matching Circuit

五、Dark Room Coordinrates Marks

六、Passive Data

七、Contact Info

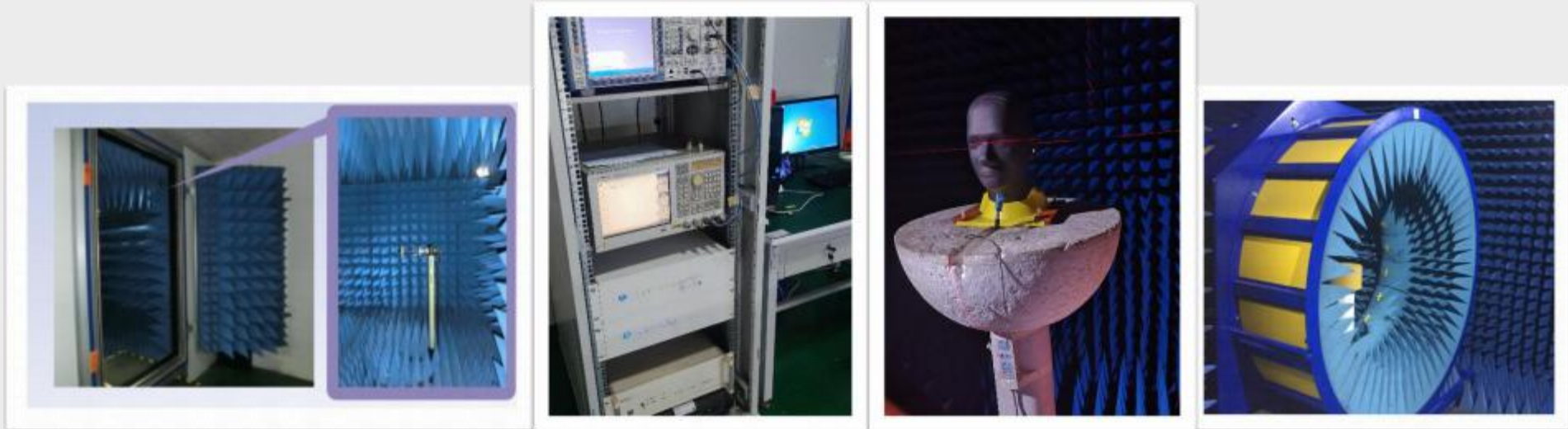


Project commissioning brief



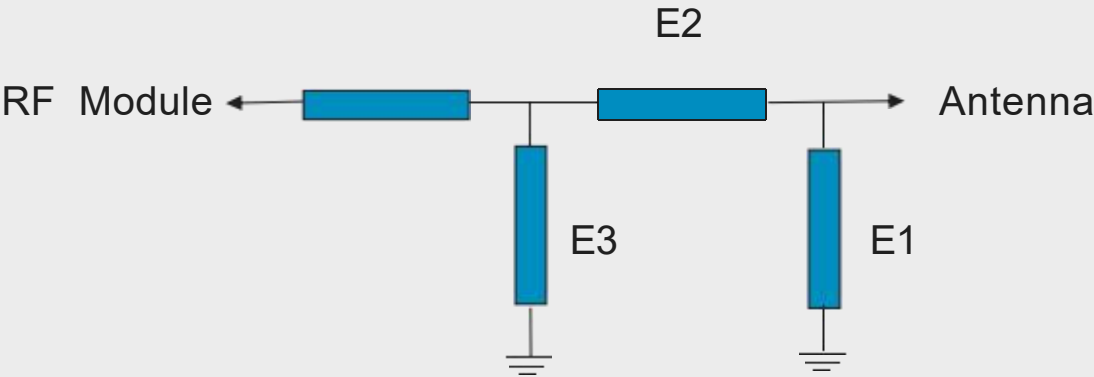
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Complete machine type				
Antenna type and frequency band information	antenna system	Frequency band information	Antenna form	Match changes
	WI FI	2400-2500 MHz/5150-5850 MHz	FPC	deny
Antenna description	φ 0.81 Black L =5 0 MM 3rd generation terminal & terminal mouth facing down			
Antenna material				



test item	testing facility
S11、 S12 、 VSWR 、 LOSS	Network Analyzers E5071B, E875 3D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16 Dark room, Taiwan top ten 7 * 4 * 3 dark room, E5071B, the second generation head
TRP、 TIS	Satimo SG16 Dark room, Taiwan top ten dark room, CMW 500, the second generation head

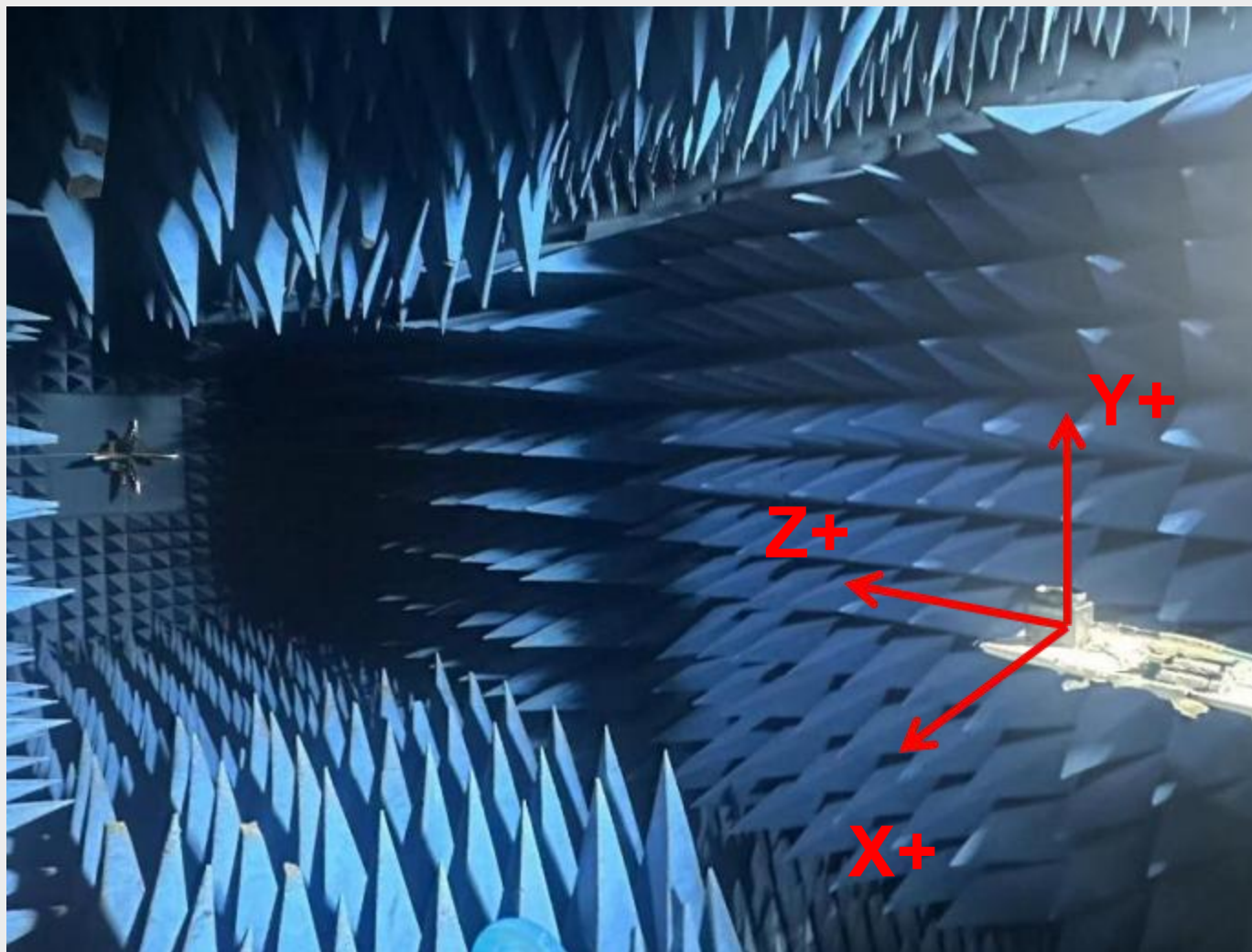
Note: The equipment used for
commissioning & testing of this project is



	Element	Value
	E1	not have
	E2	0 Ou
	E3	not have

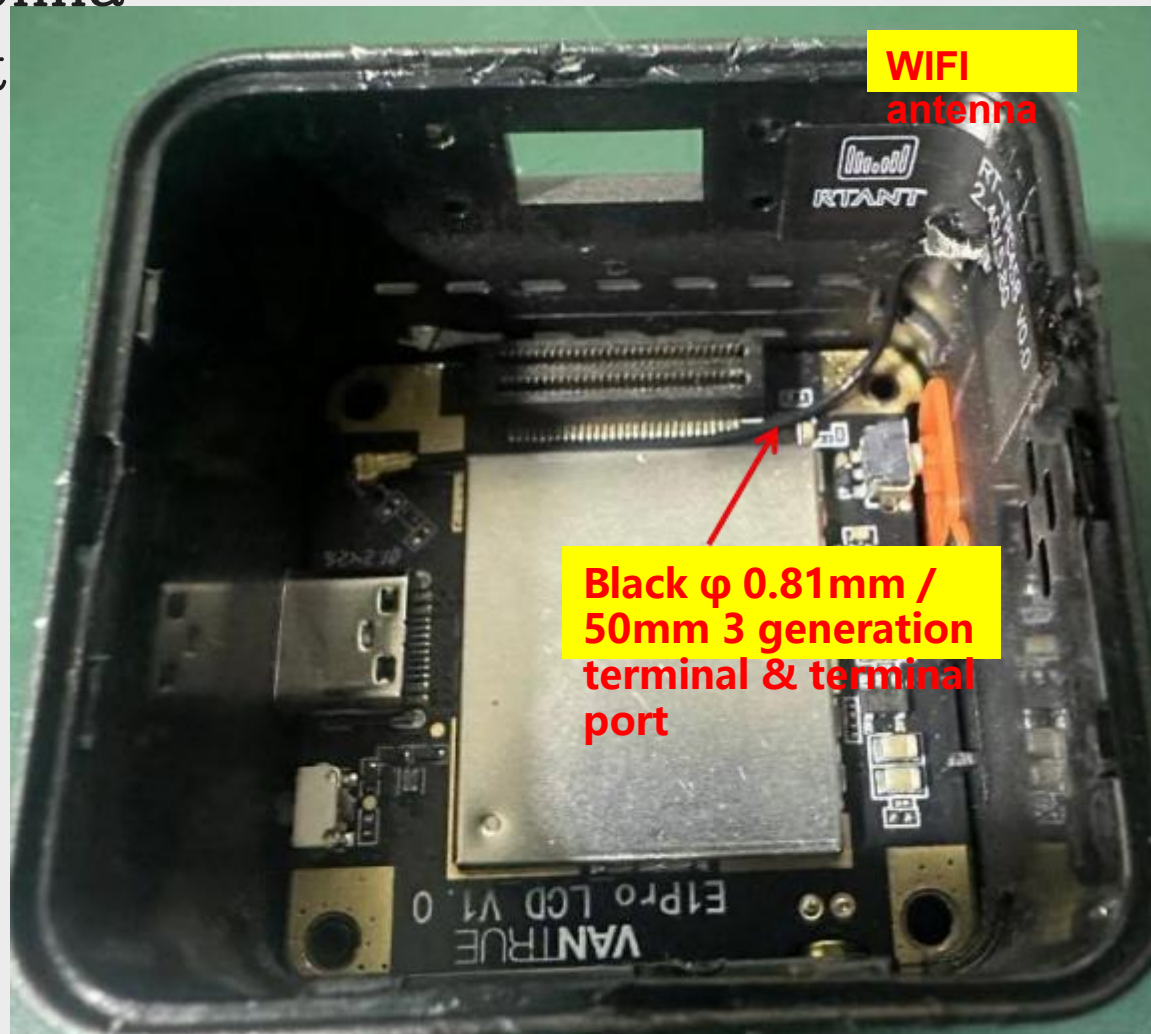


4. Dark room coordinate marking



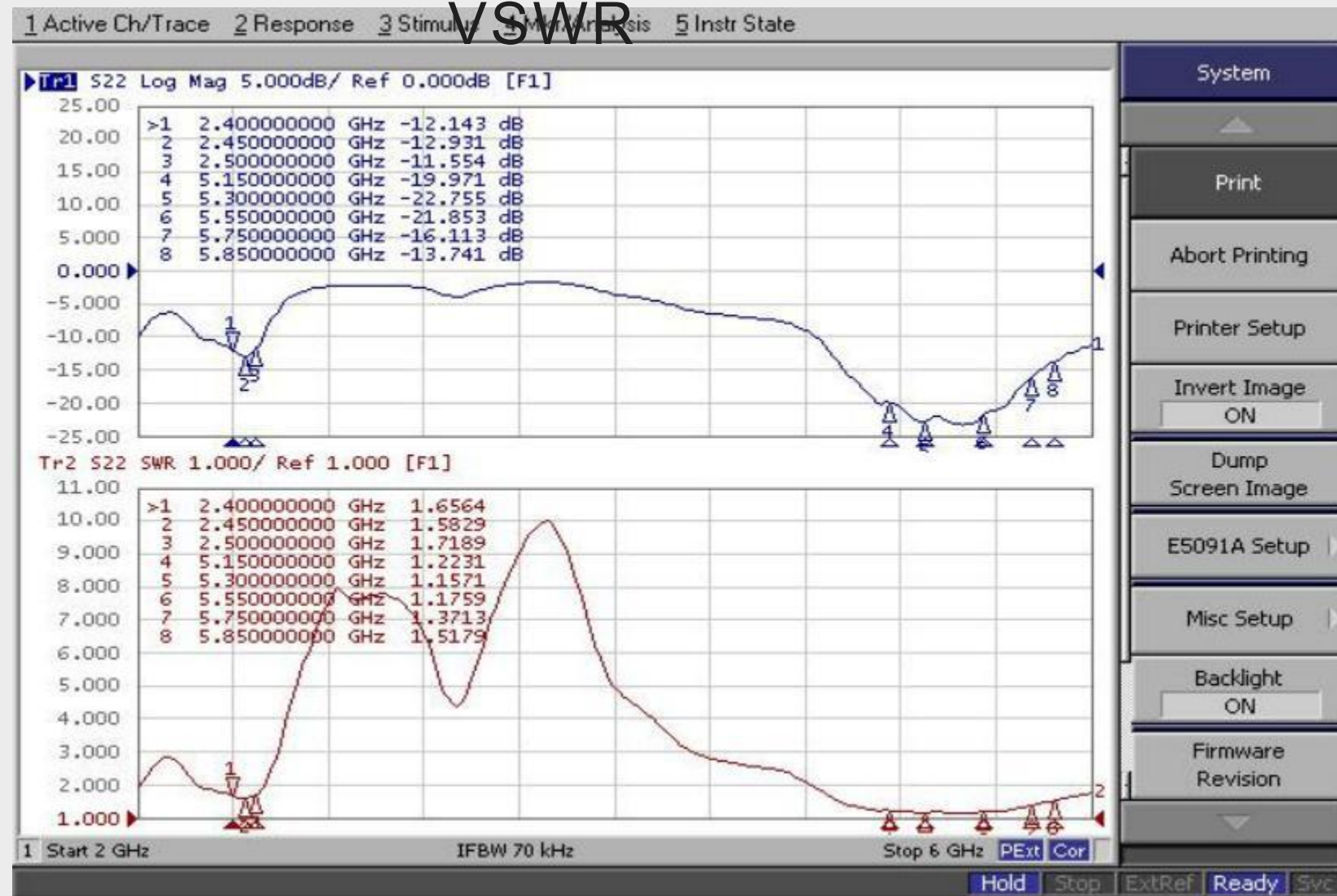


five. Position
of the antenna
arrangement



Vi. Passive data

R- LOSS . VSWR



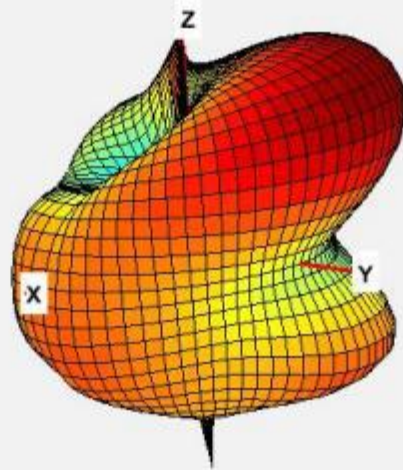
Effi / Gain

Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	31.24	0.25	5.15GHz	34.88	0.7
2.41GHz	32.16	0.34	5.2GHz	33.27	0.69
2.42GHz	31.78	0.28	5.25GHz	35.18	0.42
2.43GHz	32.57	0.59	5.3GHz	34.42	0.67
2.44GHz	34.11	0.47	5.35GHz	32.31	0.46
2.45GHz	34.92	0.48	5.4GHz	31.79	0.33
2.46GHz	34.61	0.52	5.45GHz	32.15	0.15
2.47GHz	33.51	0.41	5.5GHz	31.2	0.53
2.48GHz	32.21	0.37	5.55GHz	32.13	0.31
2.49GHz	32.21	0.43	5.6GHz	31.42	0.47
2.5GHz	32.28	0.28	5.65GHz	33.21	0.28
			5.7GHz	34.84	0.56
			5.75GHz	33.12	0.46
			5.8GHz	31.9	0.62
			5.85GHz	30.87	0.74

Apple figure

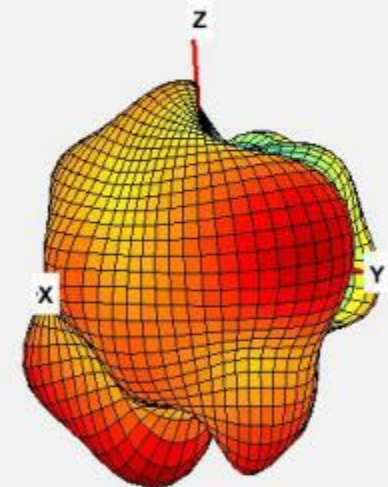
2450
MHz

Total

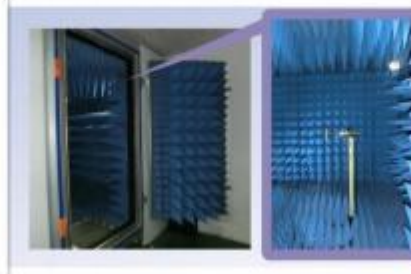
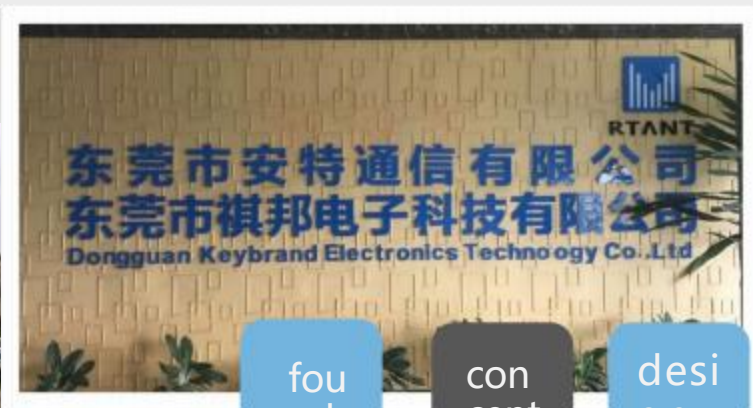


5500
MHz

Total



contact way



found

concentrate

design

usage

Learn more about <http://www.rtant.com> Dongguan (Houjie) -Shanghai (Pudong New Area)

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Thank you for your trust !