



深圳市迪比通通讯设备有限公司
Shenzhen DBT Telecommunication Technology CO.,LTD
天线规格书
Antenna Specification

客 户/Customer : LaiPac

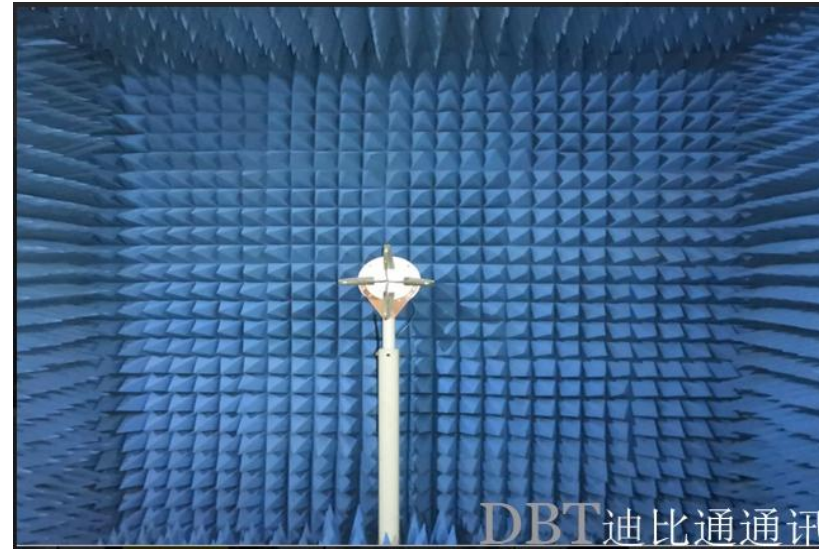
项 目 /Project : Lola-S-NA/LoLa-S-E

天线制式/Antenna configuration: G/W/LTE/GPS

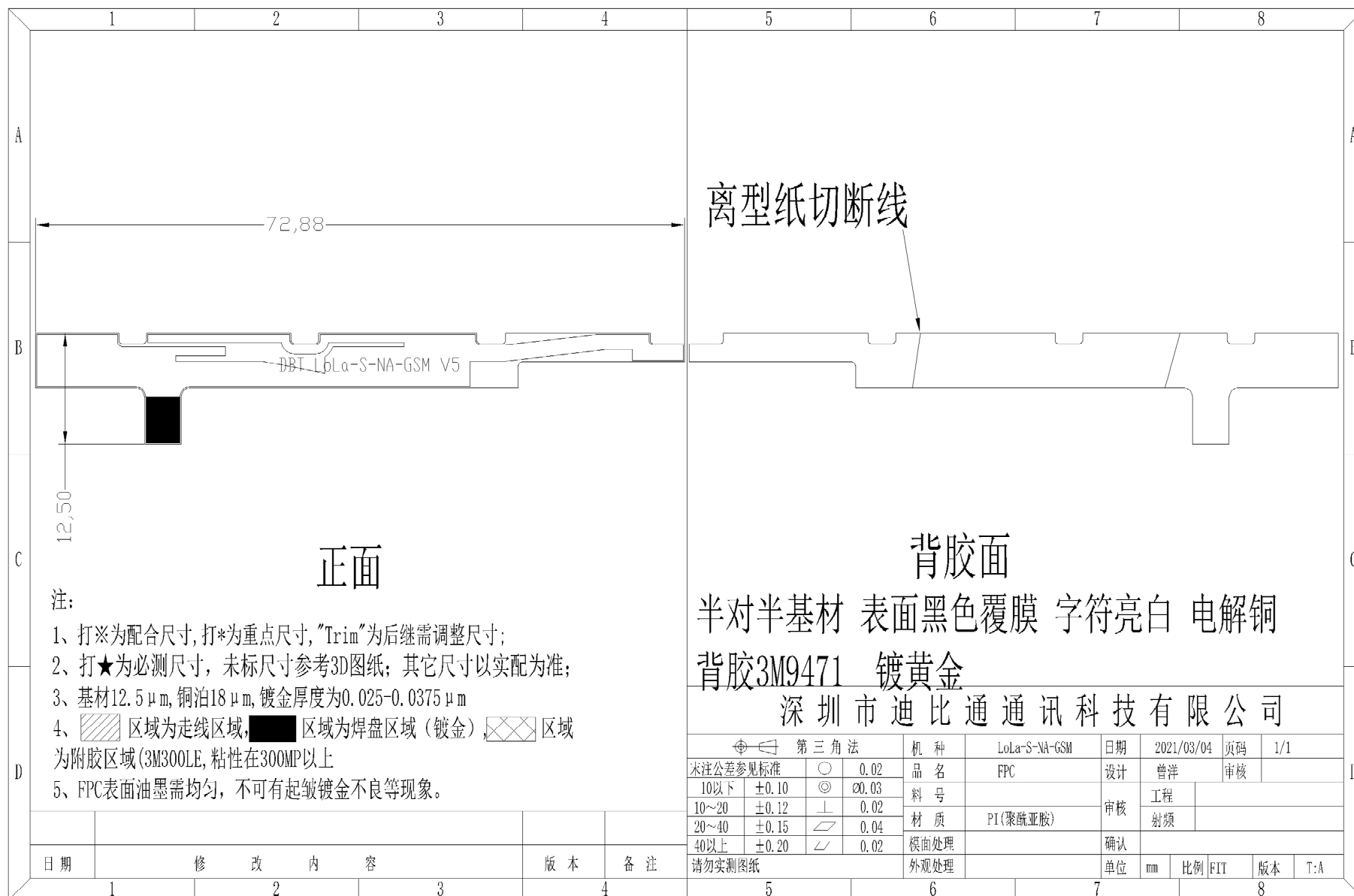
TIME: 2024-12-09

1. 测试设备

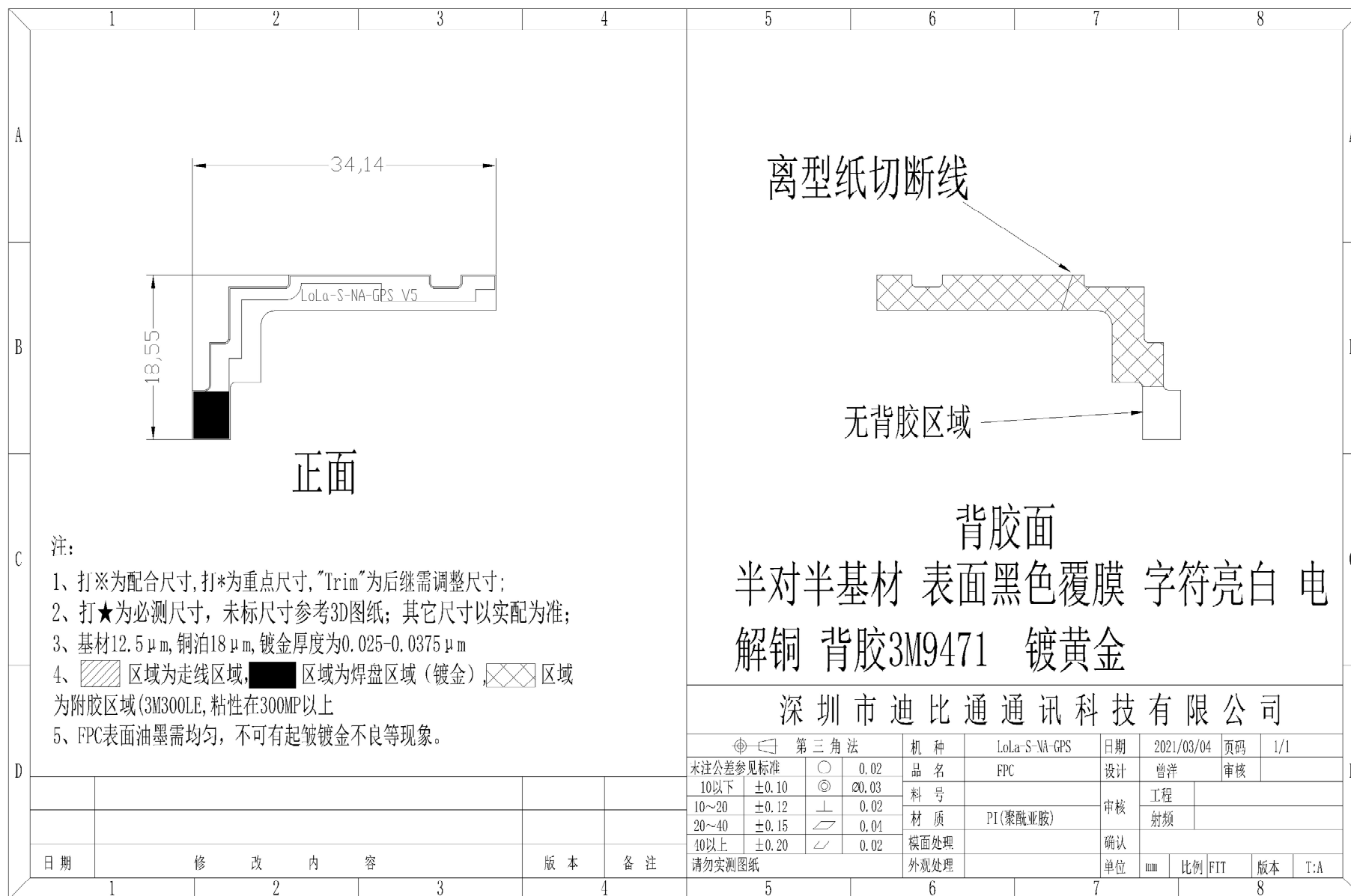
- 1: Anechoic Chamber 6x4x3 m (3D-OTA)
- 2: Anritsu MT8820C
- 3: Rohde & Schwarz CMW500
- 4: Agilent 8960 E5515C
- 5: Agilent 8753D



2. GSM天线2D图/GSM Antenna 2D Drawing



3. GPS天线2D图/GPS Antenna 2D Drawing



5. 测试数据/Test data



Lola-s-NH

3D暗室 OTA						3D暗室 OTA							
			TRP	TIS					TRP	TIS			
Operating Band	Mode	Channel	LCD OFF	LCD OFF		Operating Band	Mode	Channel	LCD OFF	LCD OFF			
WCDMA Band 2	Free Space	L	15.67			LTE Band 2 (10MHz)	Free Space	L	16.12				
		M						M					
		H	16.54	-105.44				H	16.83	-92.87			
WCDMA Band 4	Free Space	L	11.25			LTE Band 4 (10MHz)	Free Space	L	12.04				
		M						M					
		H	13.06	-103.67				H	13.87	-92.03			
WCDMA Band 5	Free Space	L	10.63			LTE Band 5 (10MHz)	Free Space	L	12.32				
		M						M					
		H	11.97	-97.89				H	13.56	-82.79			
						LTE Band 12 (10MHz)	Free Space	L	5.23				
								M					
								H	6.14	-73.15			
						LTE Band 13 (10MHz)	Free Space	L	8.52				
								M					
								H	10.06	-75.34			

5. 测试数据/Test data



Lola-s-E

3D暗室 OTA						3D暗室 OTA					
			TRP	TIS					TRP	TIS	
Operating Band	Mode	Channel	LCD OFF	LCD OFF		Operating Band	Mode	Channel	LCD OFF	LCD OFF	
GSM900	Free Space	L	21.35			LTE Band 1 (10MHz)	Free Space	L	17.04		
		M						M			
		H	19.67	-95.67				H	17.15	-88.87	
DCS1800	Free Space	L	20.12			LTE Band 3 (10MHz)	Free Space	L	12.89		
		M						M			
		H	22.31	-103.69				H	15.18	-89.04	
WCDMA Band 1	Free Space	L	14.34			LTE Band 7 (10MHz)	Free Space	L	19.12		
		M						M			
		H	14.29	-102.34				H	19.09	-89.74	
WCDMA Band 8	Free Space	L	11.34			LTE Band 8 (10MHz)	Free Space	L	12.84		
		M						M			
		H	10.28	-95.67				H	10.25	-81.67	
						LTE Band 20 (10MHz)	Free Space	L	13.02		
								M			
								H	12.11	-83.54	
						LTE Band 28A (10MHz)	Free Space	L	7.89		
								M			
								H	8.74	-78.94	

7. 天线增益/Antenna gain



Lola-s-E	Peak Gain(dbi)	Lola-s-NH	Peak Gain(dbi)
LTE B1	-0.74	LTE B2	-1.84
LTE B3	-1.38	LTE B4	-1.16
LTE B7	2.67	LTE B5	-7.15
LTE B8	-8.25	LTE B12	-8.86
LTE B20	-6.52	LTE B13	-7.47
LTE B28A	-6.52	WCDMA B2	-1.84
GSM900	-8.25	WCDMA B4	-1.16
GSM 1800	-1.38	WCDMA B5	-7.15
WCDMA B8	-8.25		
WCDMA B1	-0.74		
Antenna type		Antenna type	
Monopole antenna		Monopole antenna	







Note:

1. The above test results are limited to the test prototype
2. Changes in the overall casing material process, software version, accessories (camera FPC, speakers, earpieces, motors, batteries, etc.), and chips will lead to changes in the performance of the overall antenna.
3. Changes in the environmental processing of the whole machine (such as grounding position, size, shielding method, etc.) lead to changes in the performance of the whole machine

Solemnly declare:

The intellectual property rights of this antenna design and research and development are owned by our company. If we find that the same products are supplied to your company without our permission, our company will investigate the corresponding legal responsibilities according to law. Please respect the intellectual property rights. Your support is our unlimited power. , thank you for your cooperation!