

Room 201, Building 4, Xiangyuer Cosmetics Longgang Factory Area, No. 8 Longsheng Road,
Longgang Community, Longgang Subdistrict, Longgang District, Shenzhen City

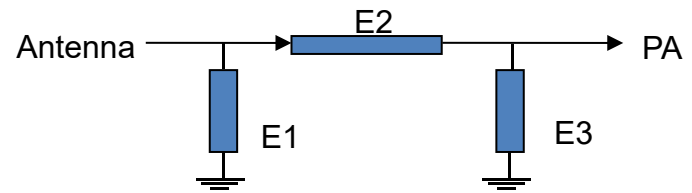
MS62130 Antenna commissioning report

Date: 2024/12/19

antenna	frequency range	material quality	performance requirement
BT	2400-2480MHz	FPC	

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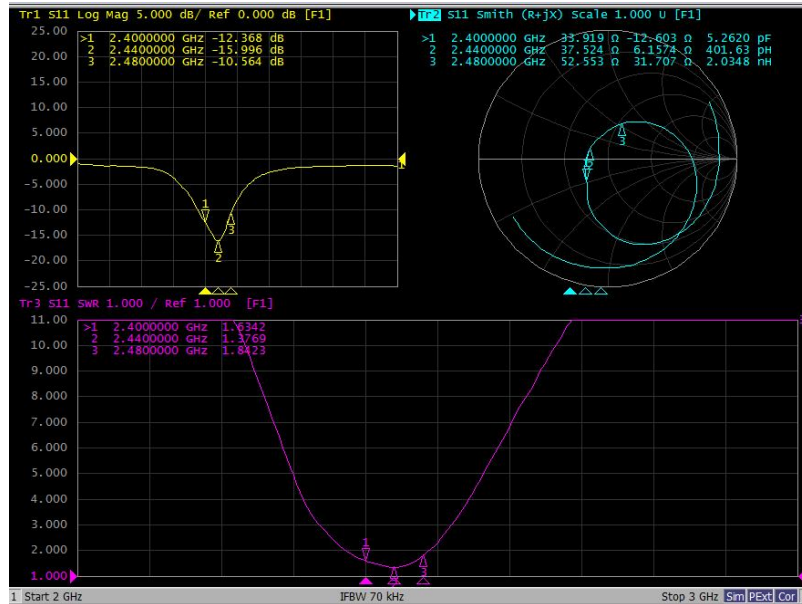
Antenna end matching circuit:



BT	
Element	
E1(0402)	NG
E2(0402)	0R
E3(0402)	NG

Antenna passive S11 parameter test:

BT



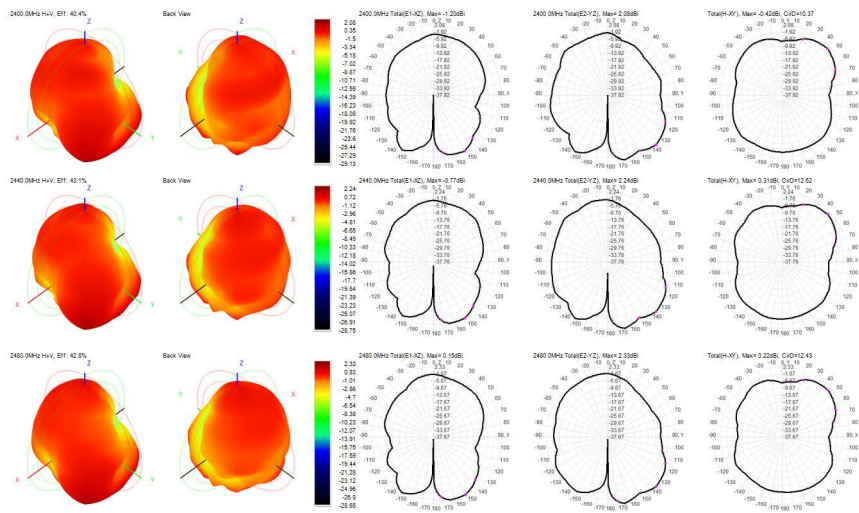
Freq (MHz)	2400	2440	2480
SWR	1.63	1.37	1.84
Log Mag	-12.36	-15.99	-10.56

Antenna passive efficiency and gain test:

BT		
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	2.08	40.40%
2410	2.24	42.10%
2420	2.15	42.40%
2430	2.23	42.80%
2440	2.24	43.10%
2450	2.15	42.90%
2460	2.31	43.20%
2470	2.24	43.40%
2480	2.33	42.80%
2490	2.27	42.90%
2500	2.23	42.70%

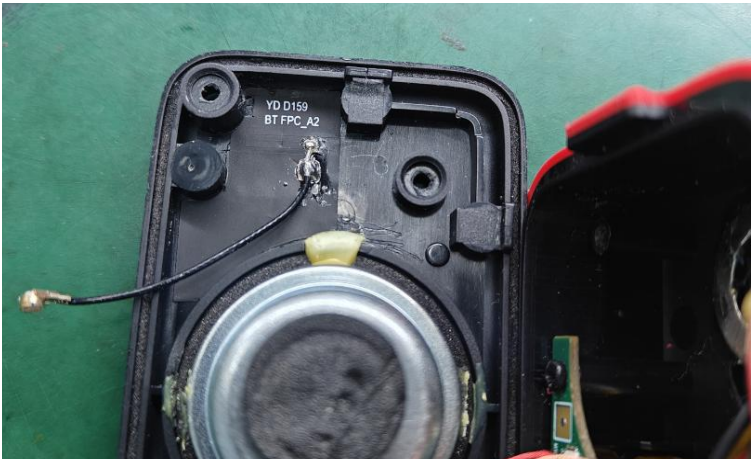
Antenna passive radiation direction diagram:

BT



Antenna Photo:

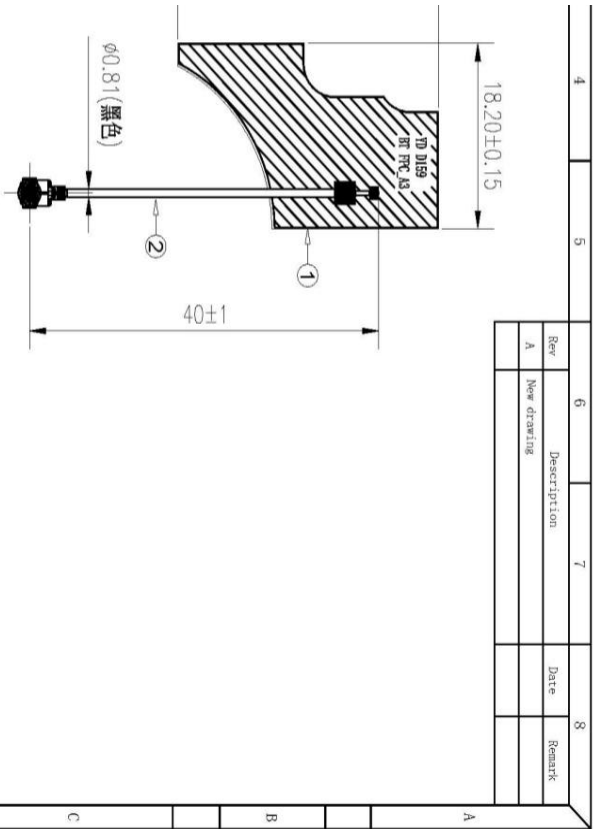
BT



A				B				C				D			
1				2				3				4			
No.				Part No.				Name				Specification			
1				2				3				4			
2				164-D159K-12A				D159同轴天线				Ø0.81±0.04mm/黑色同轴天线/二代端子			
1				100-D159K-11A				D159 BT FPC				单面贴片/电铸铜, 黑色, 背胶3M9471			

技术要求:
1. 未标注尺寸依照图纸;
2. 无虚焊、假焊、连锡、短路、断路等焊接不良现象;
3. 所有部件需符合RoHS/REACH要求。

28.00±0.15



深圳市沃莱电子有限公司									
Shenzhen World Elite Electronic Co. LTD									
		Third Angle		Project		Date		2025-02-12	
0~10 ±0.05				Part Name		Part No.		136-01099-10A	
10~18 ±0.10				0.02		0.03		RF	
13~30 ±0.12				0.02		0.04		MD	
30~40 ±0.15				Material		/			
40~				Technology					
±0.20		Male		±0.5°		Approved by			
Location				Unit		mm		Scale 1:1	
4		5		6		7		8	
Remark						Rev		All	

