

Feitian Technologies Co., Ltd.



Project name:	M60
MATERIAL CODE:	01. 02. 021. 000174
Nameof Material:	WIFI&BT&GPS
Suppliers:	Fuzhou ZHONGTIANXUN CommunicationTechnology Co.,Ltd
Sample delivery time:	2025. 2. 20
Version:	V1. 0

SPECIFICATION APPROVAL SHEET

样品承认书

material	Material name	WIFI&BT&GPS		Description		M60-WIFI&BT&GPS				
	P\N	01. 02. 021. 000174		MPN		1. 03. 03390				
	Vendor	Fuzhou Zhongtianxun		Manufacturer		Fuzhou Zhongtianxun				
	Sample QTY	6PCS		Model		M60				
	Address	34 Shilong Avenue, Shiyan Street, Baoan District, Shenzhen City, Guangdong Province								
quality	RoHS	☐ FA, ☐ REJ, ☐ N/A,		Information complete		☐ FA, ☐ REJ, ☐ N/A,				
	Consistency	☐ FA, ☐ REJ, ☐ N/A,								
	Result: ☐ FA, ☐ Risk Go QTY _____, ☐ REJ.									
	Risk go or reject comment: SQE: Remark: Appearance limit sample is confirmed by SQE and PQE together.									
DQA	Test report	☐ FA, ☐ REJ, ☐ N/A,		OTR confirm		☐ FA, ☐ REJ, ☐ N/A,				
	Test report	☐ FA, ☐ REJ, ☐ N/A,		Design Fix		☐ FA, ☐ REJ, ☐ N/A,				
	Result: ☐ FA, ☐ Risk Go QTY _____, ☐ REJ.									
	Risk go or reject comment: DQA:									
R&D	Dimension	☐ FA, ☐ REJ, ☐ N/A,		Specification		☐ FA, ☐ REJ, ☐ N/A,				
	Function	☐ FA, ☐ REJ, ☐ N/A,		Color		☐ FA, ☐ REJ, ☐ N/A,				
	Manual content	☐ FA, ☐ REJ, ☐ N/A,		Appearance		☐ FA, ☐ REJ, ☐ N/A,				
	Packing	☐ FA, ☐ REJ, ☐ N/A,		Safety certificate		☐ FA, ☐ REJ, ☐ N/A,				
	Result: ☐ FA, ☐ Risk Go QTY _____, ☐ REJ.									
	Risk go or reject comment:									
	Confirmer	ID	Packing	ME	HW	SW	SW TEST	Market	PM	Manager
	Note: the color, appearance and color limit samples of the structural parts shall be confirmed by ID representative. The contents of the specification shall be confirmed by software and packaging material representative together, and the packaging material representative shall confirm the packaging material. The structure material is confirmed by structure representative, the structure electronic material is confirmed by structure and hardware representative. The electronic material is confirmed by hardware representative. Device expert and software is responsible for the confirmation of corresponding devices, such as battery, camera, screen etc.									
	Important inspection items (R&D comment)						☐ N/A,			
NO.	Key inspection item			Standard request		Confirmer		Remark		
vendor	Stamp			Quality confirm		RD redact				
				DengShan. Deng		Zhengwei. Chen				
Note: FA means accept, REJ means reject, N/A means not applicable; A cross-page seal is required.										
Doc. No:										
Note: FA means receiving. REJ means rejecting. N/A means not applicable.										

Catalogue

A) Product Specification \2D 5~8

SPECIFICATION APPROVAL SHEET

Change resume

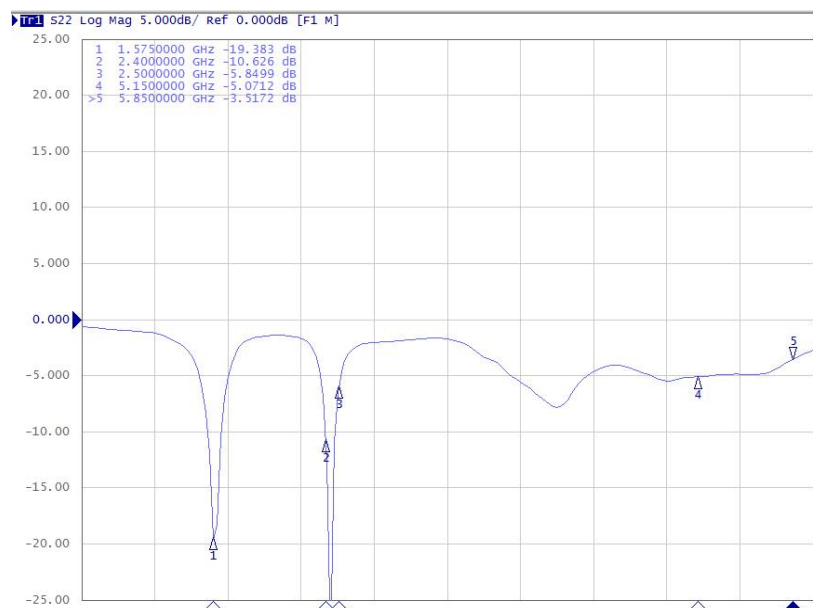
Rev	Acknowledge the change	Alteration party	auditor	approver	date
V1	First edition.				2025. 2. 20

SPECIFICATION APPROVAL SHEET

A. Product specifications \2D drawings

A-1 VSWR

1550-5850MHz



A-2 Passive efficiency

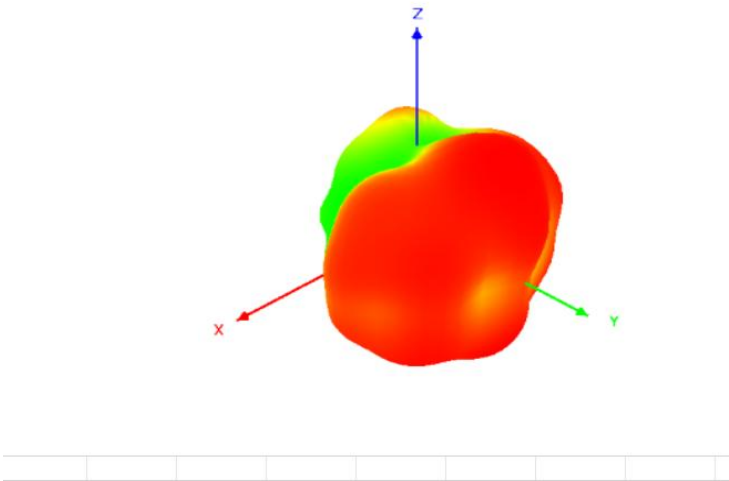
1550-5850MHz

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
1550	2.98	-3.59	43.76
1555	3.02	-3.47	44.97
1560	3	-3.36	46.09
1565	2.93	-3.3	46.79
1570	2.8	-3.27	47.09
1575	2.63	-3.29	46.9
1580	2.46	-3.34	46.37
1585	2.33	-3.39	45.81
1590	2.26	-3.44	45.3
1595	2.17	-3.49	44.76
1600	2.08	-3.53	44.37
2400	1.62	-3.91	40.6
2410	1.85	-3.61	43.58
2420	1.96	-3.35	46.24
2430	1.77	-3.19	47.94
2440	1.46	-3.26	47.21
2450	1.29	-3.42	45.54
2460	0.92	-3.72	42.46
2470	0.75	-4.07	39.16
2480	0.3	-4.47	35.71
2490	-0.1	-4.95	32.02
2500	-0.18	-5.43	28.64
5150	2.56	-4.6	34.71
5200	2.19	-4.65	34.27
5250	2.16	-4.69	33.97
5300	1.48	-4.82	32.98
5350	1.78	-4.8	33.09
5400	1.36	-4.83	32.86
5450	1.52	-4.64	34.39
5500	1.12	-4.67	34.11
5550	0.94	-4.65	34.26
5600	0.76	-4.69	33.99
5650	0.79	-4.9	32.38
5700	0.94	-5.04	31.37
5750	0.56	-5.6	27.55
5800	0.61	-5.78	26.4
5850	-0.08	-6.36	23.1

A-3 3D radiation map

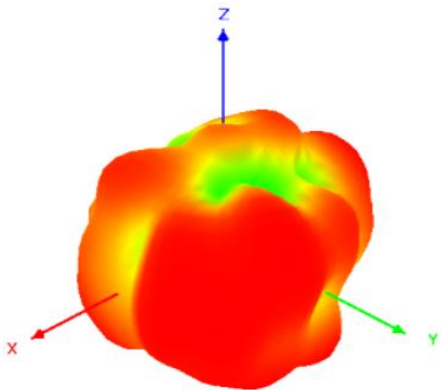
1575MHZ

Freq: 1575MHz (AxisZ)



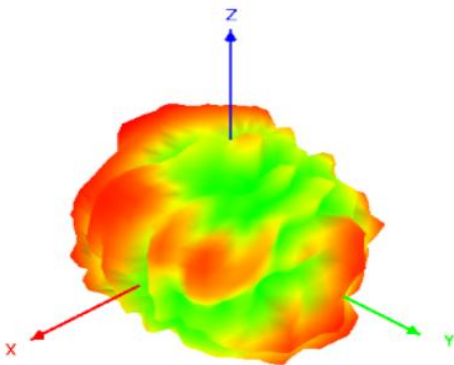
2450MHZ

Freq: 2450MHz (AxisZ)



5550MHZ

Freq: 5550MHz (AxisZ)

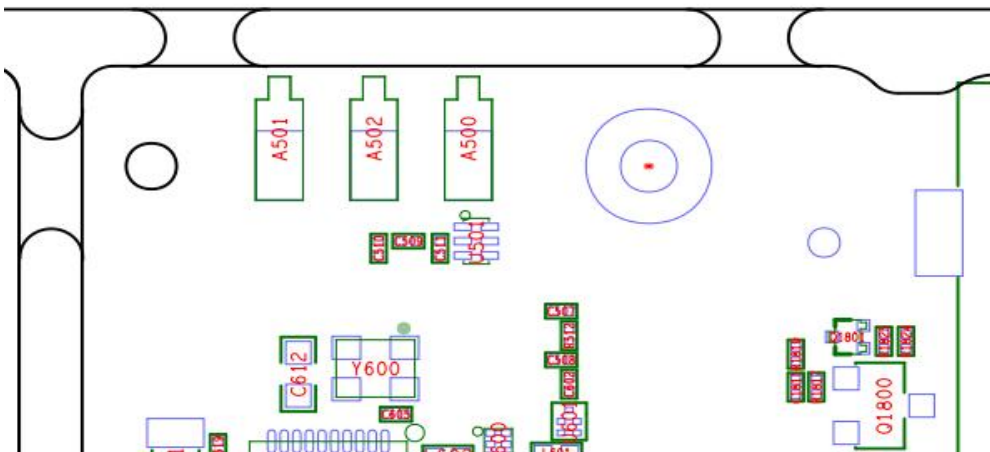


SPECIFICATION APPROVAL SHEET

A-4 Active data

WI-FI	CH	TRP (dBm)	TIS (dBm)
2.4GWIFI-B	1	12.61	-83
	6	11.34	-83.14
	13	10.3	-82
5GWIFI-A	36	12.72	-68.93
	64	12.01	-68.35
	157	12.11	-68.96

A-5 Matching specification



Ref Des	Main Path Matching
C510	NC
C509	0 Ω
C511	NC

A-6 Engineering drawin

1		2	3	4	5	6	7	8
Drawing Number: ZTX-QR-20-013								
Tolerance:								
Outer shape to outer shape tolerance: $\pm 0.15\text{mm}$								
Mechanism hole to mechanism hole tolerance: $\pm 0.05\text{mm}$								
Outer shape to mechanism hole tolerance: $\pm 0.15\text{mm}$								
Circuit etching tolerance: $\pm 0.05\text{mm}$								
Circuit to outer shape tolerance: $\pm 0.15\text{mm}$								
Hole tolerance: $\pm 0.05\text{mm}$								
Copper foil Gold plating External form Back adhesive release paper area The adhesive release paper breaks the wire Tear position								
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨								
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨								
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨								
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨								
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