

Material acceptance letter

FENDA Material name	FD260
FENDA material code	
Supplier name	SINAWELL
Manufacturer model	

Supplier acknowledges				FENDA acknowledges	
	Engineer	Check	Approve	Engineer	Check
subscribe					
date	2025. 05. 15	2025. 05. 15	2025. 05. 15		
stamp: 					
Remarks:					

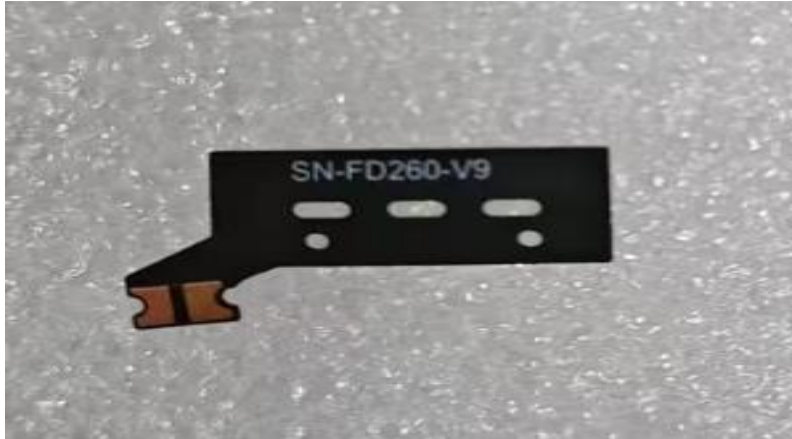
Catalogue

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1. Overview of specifications

This specification describes the status of FD260 built-in antenna, and its frequency band is BT.

2. Antenna appearance



3. Electrical performance

3.1 Antenna frequency band

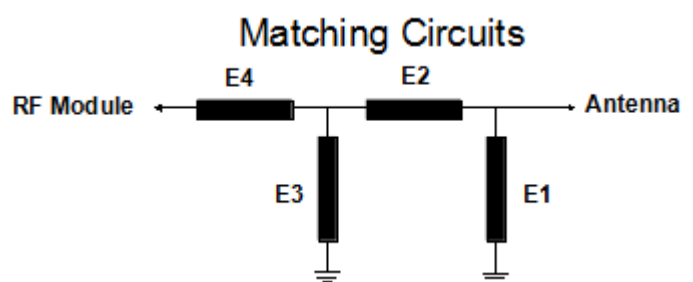
	BT
Transmitting frequency band(MHz)	2400MHz-2500MHz

3.2 Matching circuit

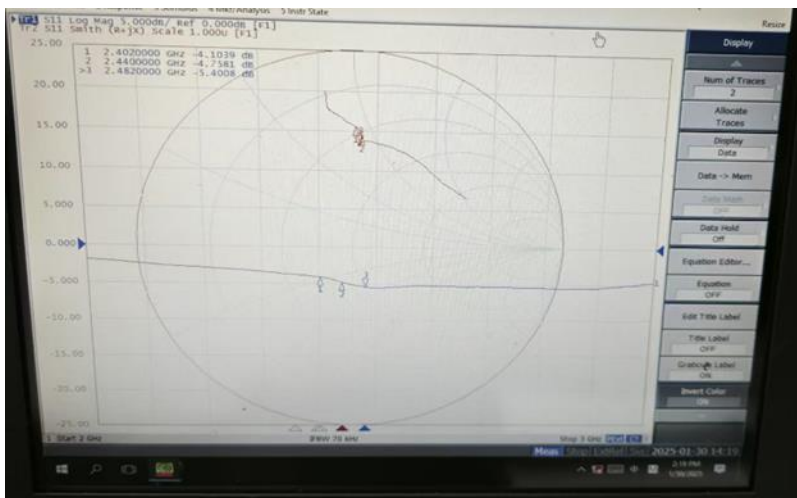
The test point is behind the antenna connector (RF test port), as shown in the figure below.

BT Antenna matching

Element	Value
E1(0402)	0.5PF
E2(0402)	0 Ω
E3(0402)	NC
E4(0402)	0 Ω



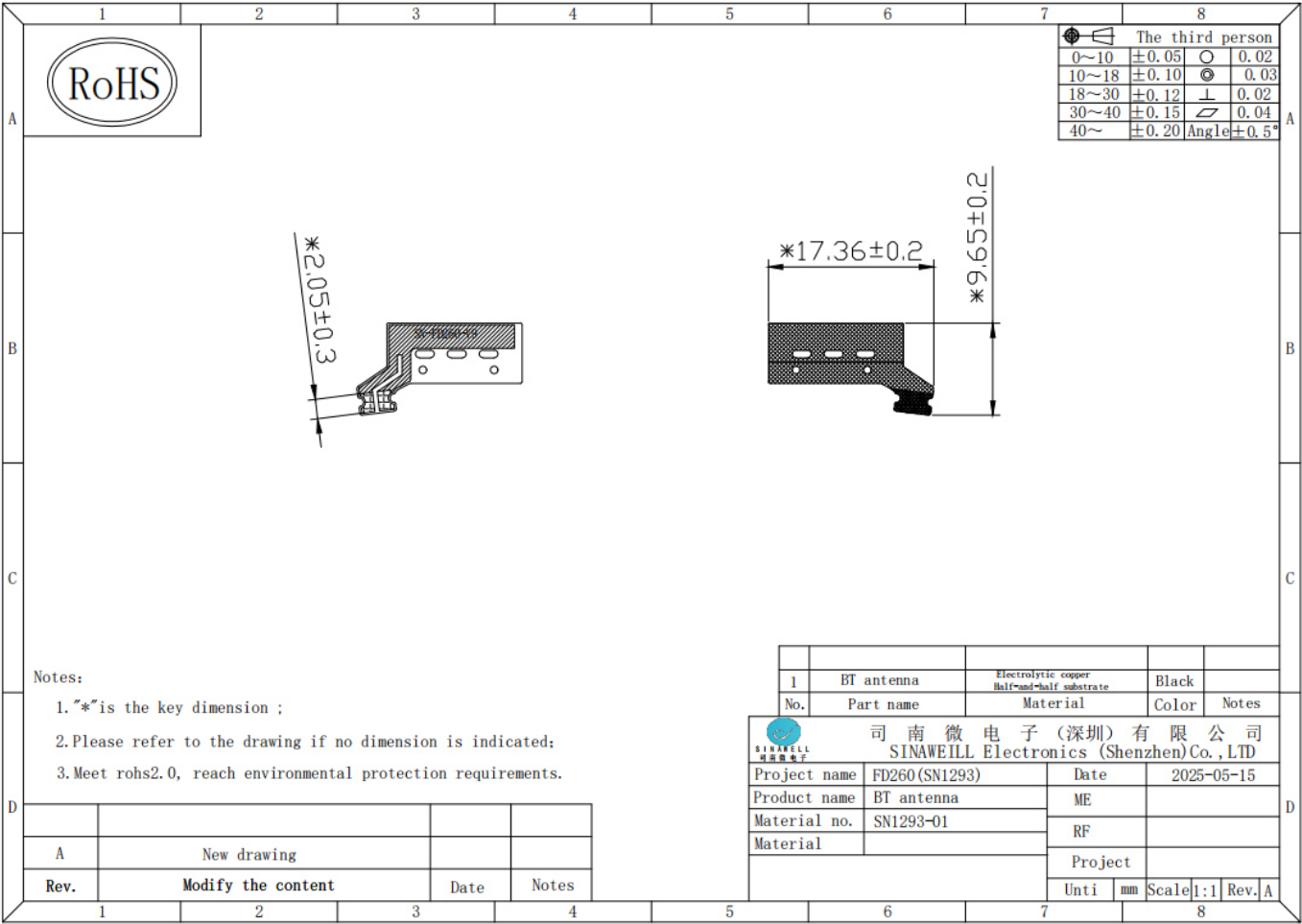
3.3 return loss



3.4 antenna gain

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	8.52	-10.69	-3.33
2410	8.73	-10.59	-3.28
2420	8.4	-10.76	-3.53
2430	8.43	-10.74	-3.51
2440	8.61	-10.65	-3.53
2450	8.85	-10.53	-3.39
2460	8.72	-10.59	-3.49
2470	8.65	-10.68	-3.6
2480	8.34	-10.79	-3.81
2490	7.98	-10.98	-4.13
2500	7.65	-11.16	-4.49

4.structural drawings



5. 3D\2D Antenna pattern

