

BT-FPC specification

Customer	
Customer Project No.	Cat-M1
Deman Project No.	H3446
Deman Part No.	TFPD05H34460021

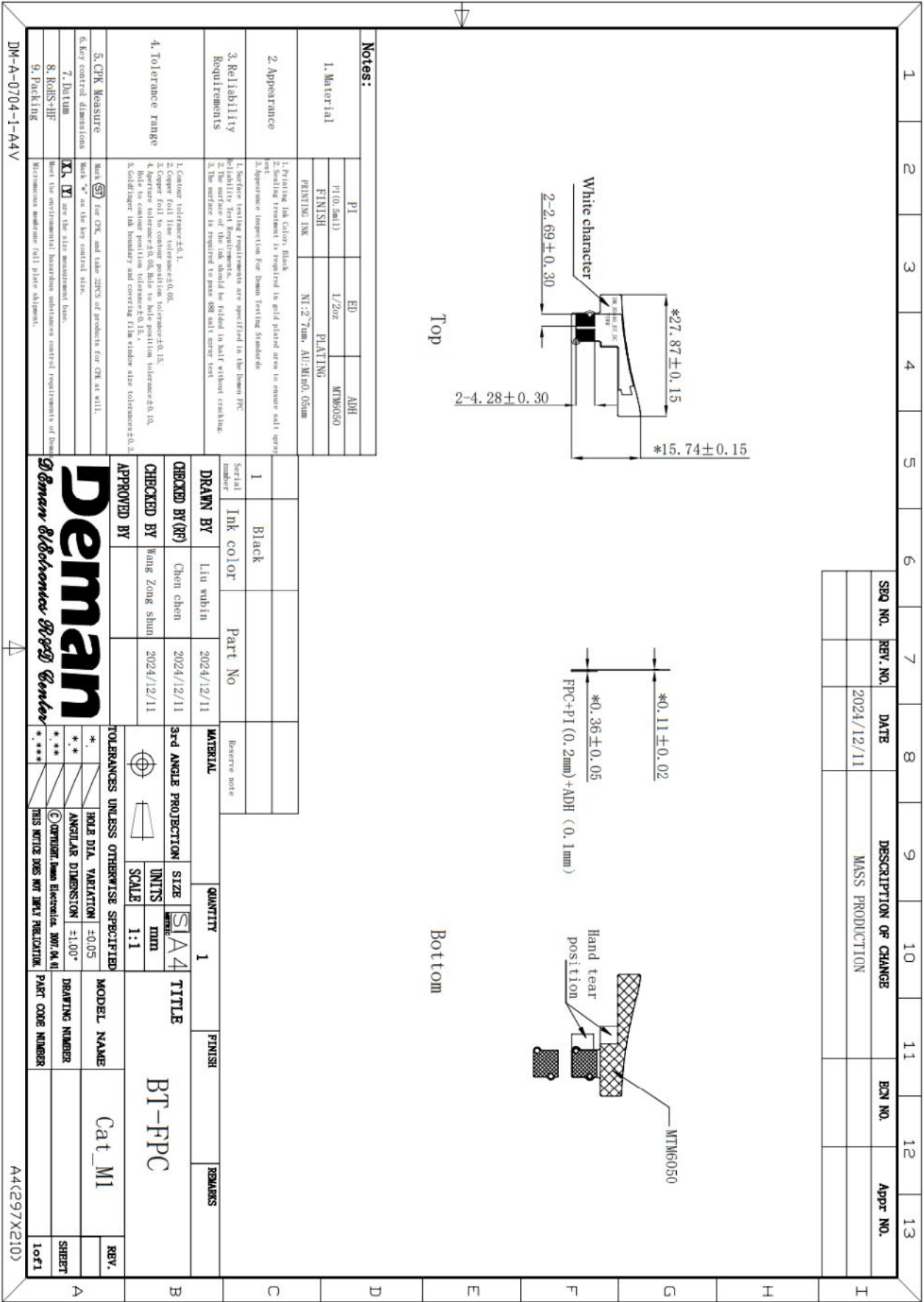
Deman	RF	ID	QE	PM
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Customer	ID	RD	QE	PM

Date : 2024.12.11

Shanghai Deman Electronic Technology Co., Ltd
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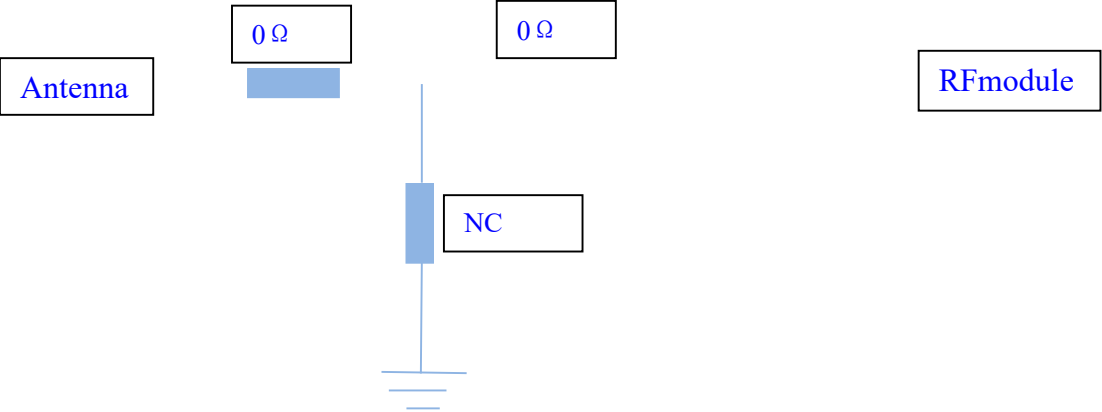
Antenna structure diagram:



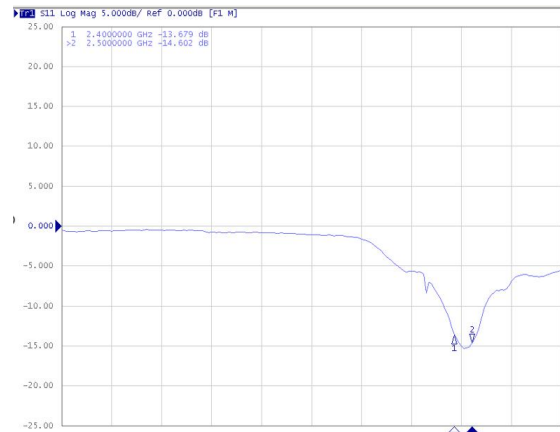
Design Specifications	Typical	Units
Antenna	FPC	
working Frequency	【2400-2500】	MHz
Gain	【0.49~ 2.14】	dBi
Antenna efficiency	【50~ 53】	%
Return loss	<-5	
Ploriaztion	Linear polarization	
Axial Ratio	When the antenna is circularly polarized, note the axial ratio in the operating bandwidth	N/A
Radiation pattern	全向	
impedance	50 ohm	
Power handling	33	dBm
Interface	shard	
Overall dimensions	See drawing section	
Weight	NA	
Operatin Temp	-30 ----- 70	°
Storing Temp	-30 ----- 70	°

Deman	Date	2024.12.11	Version No	V1.0
	Subject	BT-FPC specification		

Rf link



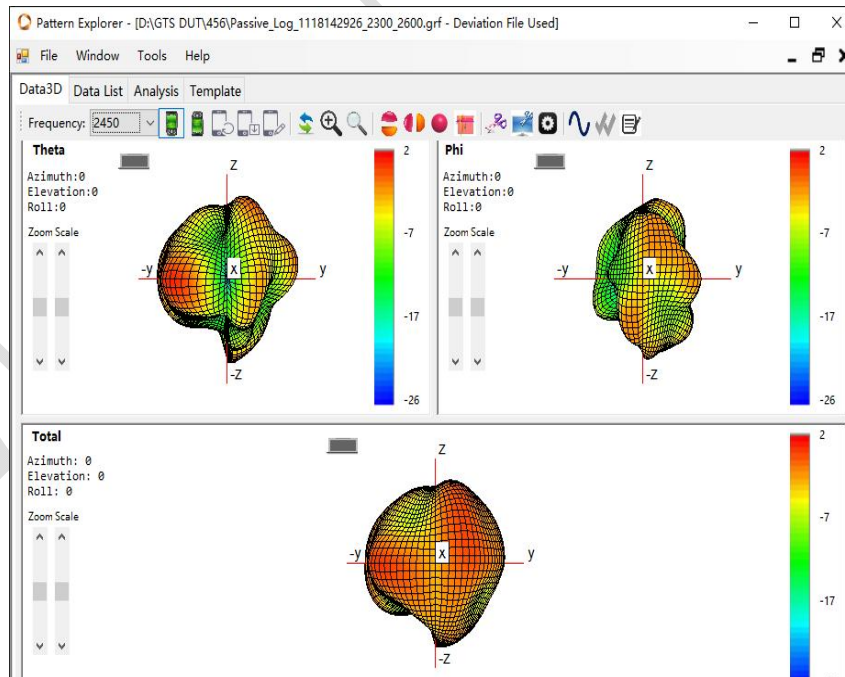
Passive performance



ANT3

Frequency(MHz)	S11(dB)
2400	-13
2500	-14

Directional diagram



Antenna efficiency

Frequency point	efficiency (dB)	Gain (dBi)
2400	-3.01	1.93
2410	-2.94	2.01
2420	-2.81	2.12
2430	-2.75	2.14
2440	-2.69	2.1
2450	-2.74	1.95
2460	-2.83	1.72
2470	-2.79	1.56
2480	-2.74	1.37
2490	-2.94	0.91
2500	-3	0.49