



FT08---3000mm²FPC & 5500Ferrite(150μm)- NFC_Debugging Report

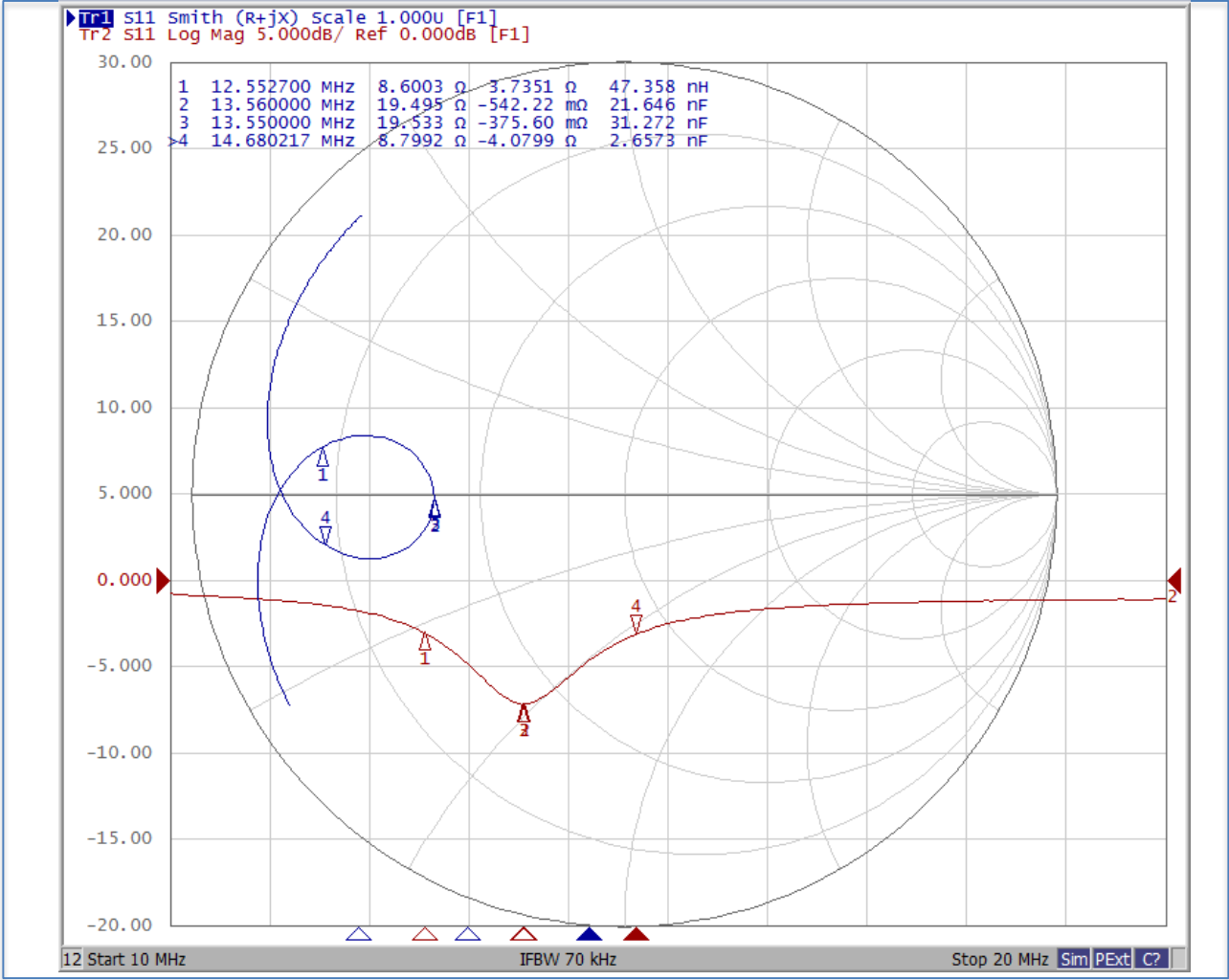
NFC Team
2026/05/12

V1	Date	Writer	Description	Screen-printed-antenna
1.0	2025.12.30	Wei Jian	T0-Debugging	DC-4000mm ²
2.0	2026.01.06	Wei Jian	T0-Debuggin	DE-3:5500mm ²
3.0	2026.03.31	Wei Jian	T0-Debuggin	3000mm ² FPC&5500-Ferrite
3.1	2026.05.12	Wei Jian	PVD-Debuggin	3000mm ² FPC&5500-Ferrite (150)

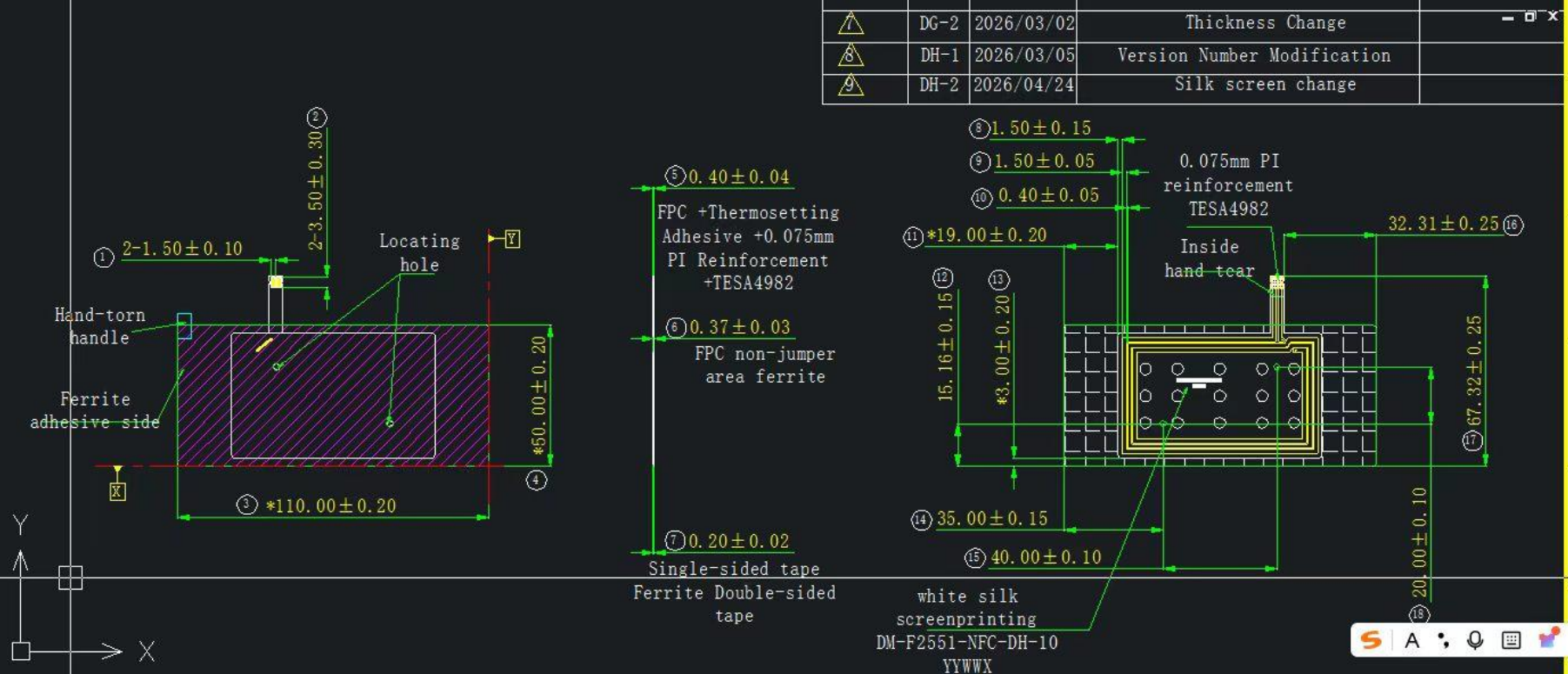
Impedance/Tuning



Voltage, Current	Number
Z@13.56MHz	19 Ω
Coupling frequency	13.55mHz



• Z-Network



Deman

Testing

Tag 1 (Topaz)	/ mm
Tag 2 (Ultralight)	52mm
Tag 3 (Sony-Felica)	43mm
Tag 4 (Desfire)	41mm
Tag 4B	36mm

Card mode distance vs. POS Vivo 4800	71mm (power on) 70mm (power off)
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Thanks



上海德门电子科技有限公司 Shanghai Deman Electronics Technology Co., Ltd.

Phone: +86 21 64909006

Fax: +86 21 64909816

Website: www.deman-china.com

Address: Shenxue Road, Minhang, Shanghai 58 Hao Demen Info Bldg (HQ)

Fengtai Road, Tangxia, Dongguan 1 Hao Shunluo Park DBuilding Factory

