

ANTENNA SPECIFICATION0

CUS P/N : T5-NFC
CREDITS P/N :

ApplicationDate: 2026-05-23
Editor:

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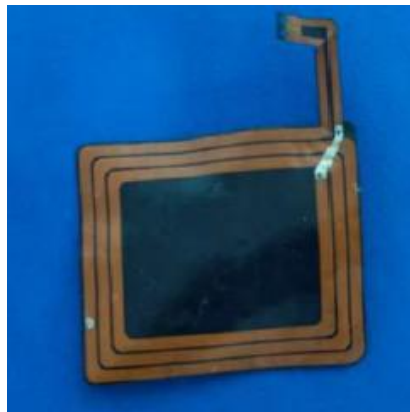
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1. General Description

This report summarizes the electrical performance results of the proposed Internal antenna to support the T5-NFC program. The antenna is an assembly 13.56MHz(NFC)



2. Electrical Specifications

2-1 Set-up

2-1-1 Frequency Band

Frequency Band	Tx(MHz)	Rx(MHz)
NFC	13.56M	

2-1-2 Impedance

Nominal Impedance(including matching circuit) : 50 ohms

2-1-3 Matching Requirements

The matching circuit on the PCB of the handset is according to Figure 1

Optimum matching circuit is highly dependent on the handset and thus.

Final matching circuit layout and values will be defined when handset is available.

2-1-4 VSWR And GAIN

VSWR			GAIN		
Freq. Band	OPEN	SPEC	Band	Freq.	OPEN SPEC
13.56MHz	≤3.5		13.56MHz	0dBi	

※Measuring a Ω test jig is connected to a network analyzer to measure the VSWR

※※All test value is done in customer approval fixture.

We, AGM MOBILE LIMITED, states that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

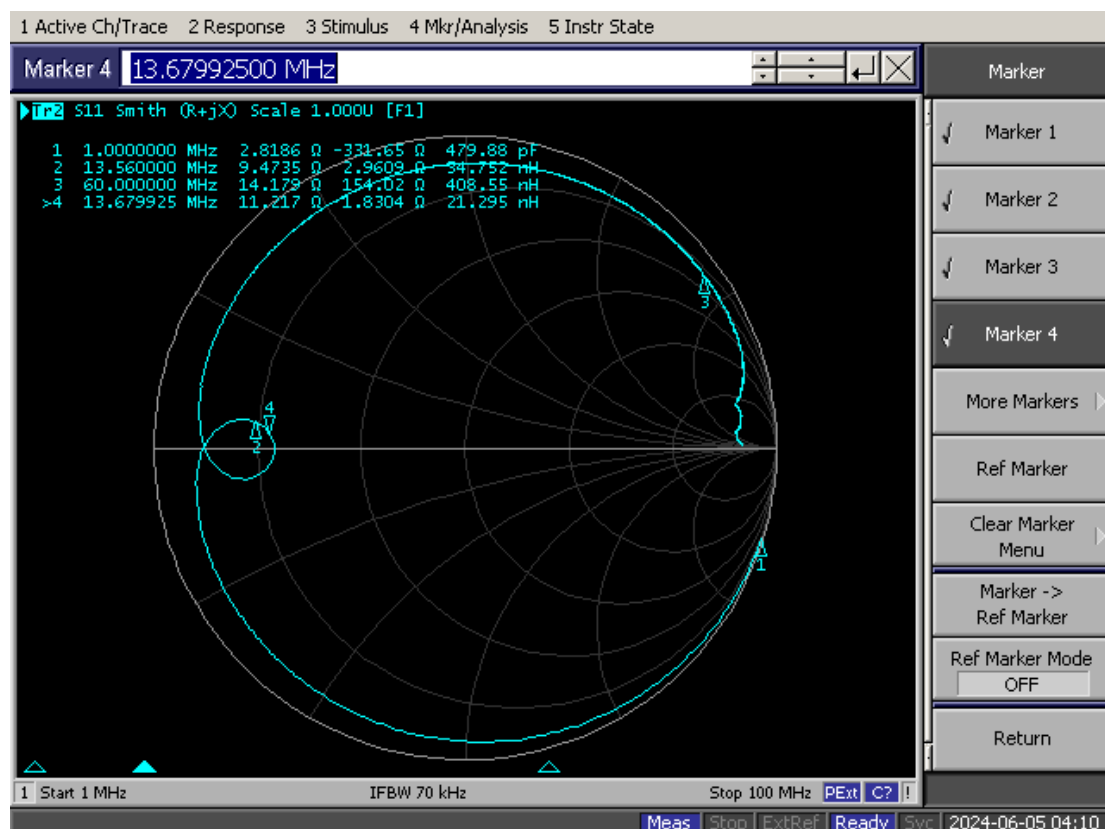
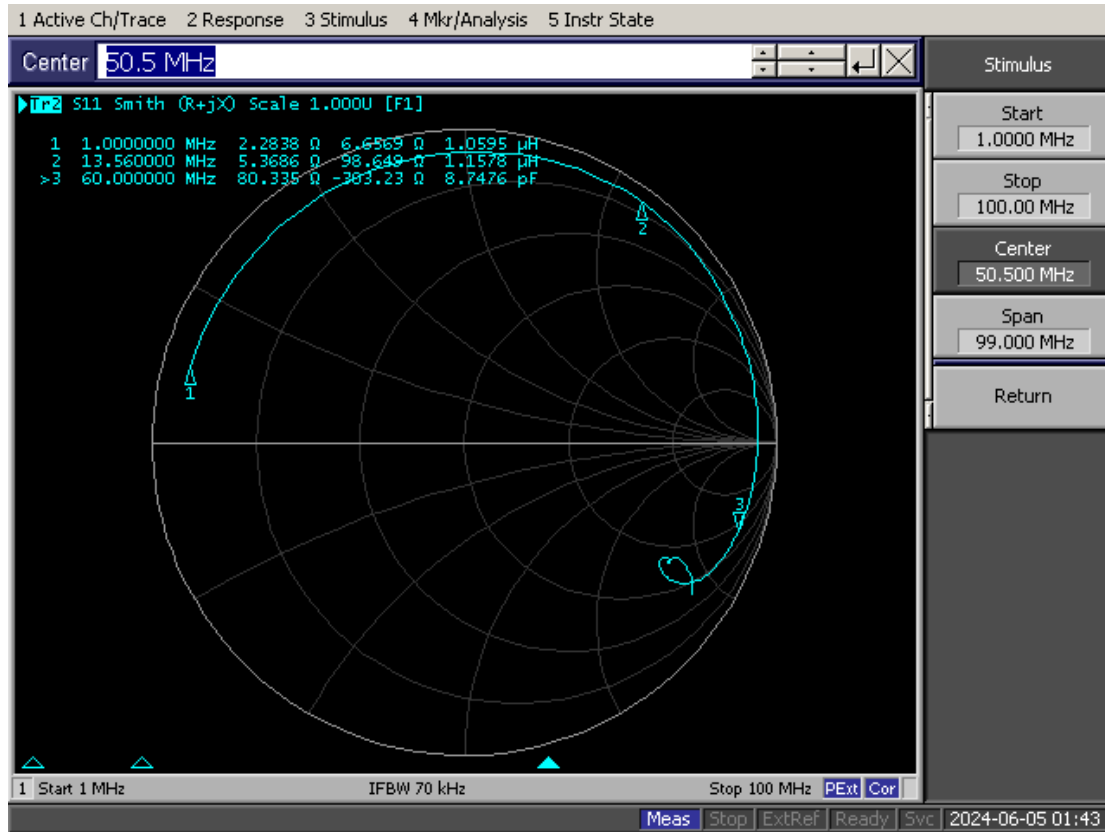
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3 Test Data



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4.Card reading distance test

4.1 Reader Mode

Type	Distance
ISO 14443-A Classic	45mm
ISO 14443-A Type 1	40mm
ISO 14443-A Type 2	40mm
ISO 14443-A Type 4	17mm
ISO 15693 SLI	45mm
ISO 14443-A Type 24	25mm

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5. Mechanical Specification

