



Date	31/07/2020	Version No.	A
------	------------	-------------	---

SHANGHAI DEMAN ELECTRONICS TECHNOLOGY CO., LTD.

PRODUCT SPECIFICATION

Customer	ESPRESSIF
Customer's Part Number	General external antenna
Antenna Model name	TFPD08H10060011
Working Band	2400 - 2500MHz
Issue Date	2020-07-31
Release Version	A
Author	Ping Zhang

Manufacturing by Shanghai Demen Electronics Technology Co., Ltd
Address :
Shunluo Industrial Park, Guanlan Town, Longhua District, Shenzhen
Xinbai Industrial Park, Tangxia Town, Dongguan
Weihua Industrial Park, Huicheng District, Huizhou

Contacts:

Wanglijian	wanglijian@deman-china.com	13916613851
Wuhaiwen	wuhaiwen@deman-china.com	13482684317

Date 31/07/2020

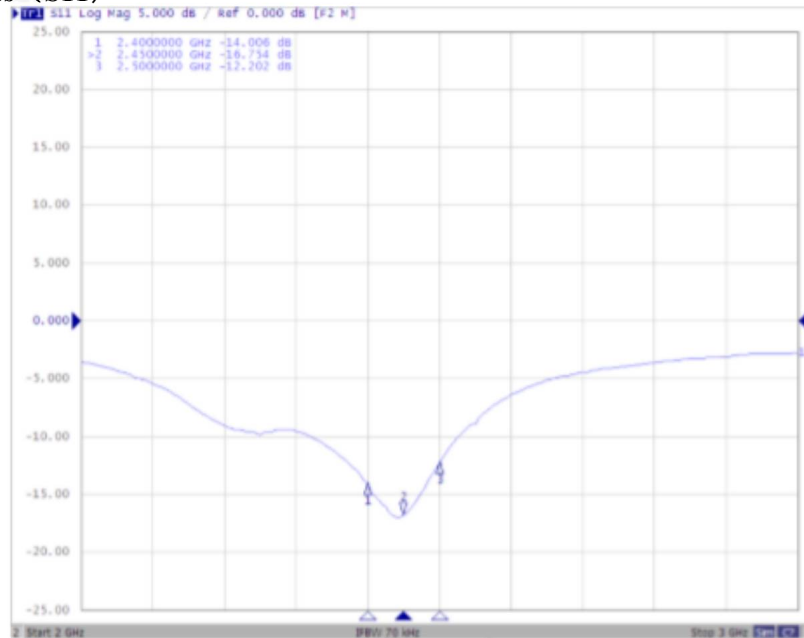
Version No. A

1 PRODUCT TECHNICAL SPECIFICATION

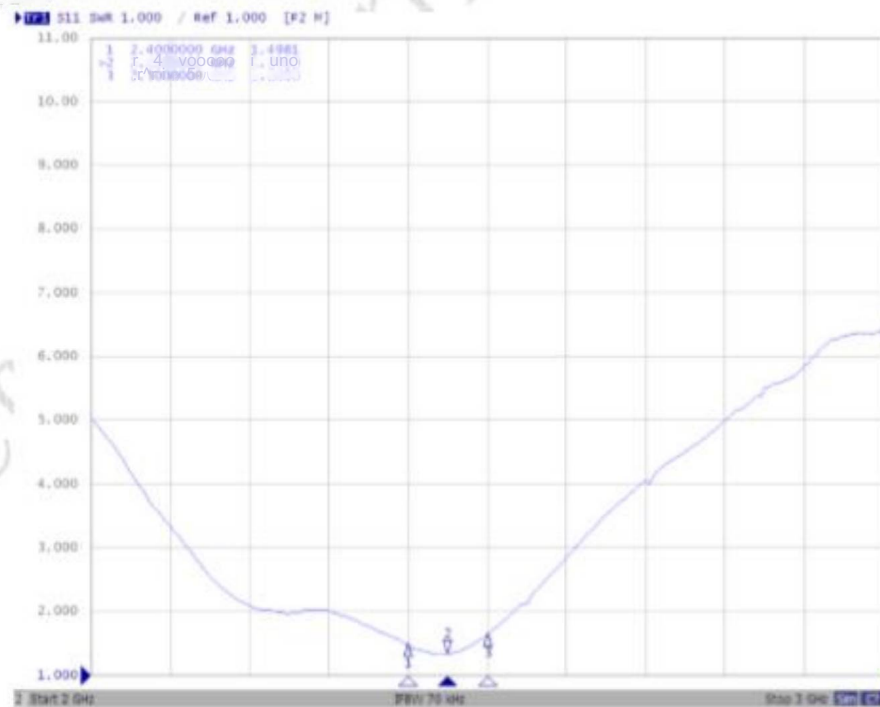
Electrical Specifications	
Frequency Range (MHz)	2400-2500
Frequency Bandwidth (MHz)	100
Input Impedance (Ω)	50
VSWR	<2.5
Gain (dBi)	>1.0
Polarization Type	Vertical Polarization
Mechanical Specifications	
Antenna Length (mm)	100mm
Connect Type	IPEX III
Operating Temp ($^{\circ}\text{C}$)	-30-70
Storage Temp ($^{\circ}\text{C}$)	-30-70
Radome Color	Black

2 PRODUCT ELECTRICAL PERFORMANCE PARAMETER

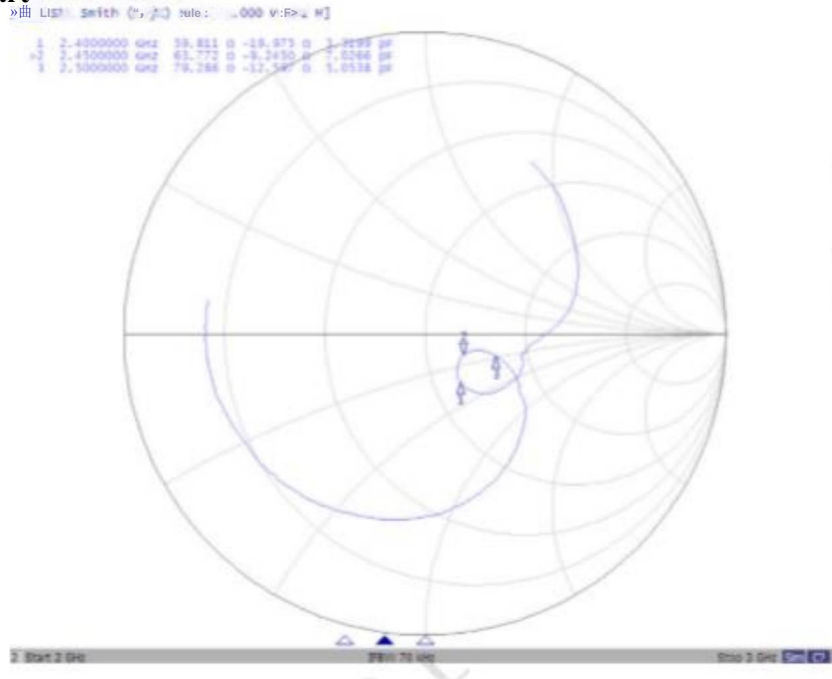
2.2 Return Loss (S11)



2.3 VSWR



2.4 Smith Chart



2.5 Efficiency/Gain

Freq. (MHz)	Effi.	Gain (dBi)
2400	78%	2.17
2410	78%	2.19
2420	79%	2.31
2430	79%	2.26
2440	78%	2.21
2450	79%	2.33
2460	78%	2.32
2470	76%	2.14
2480	75%	2.05
2490	74%	2.02
2500	72%	1.83
Avg,	77%	2.17

2.6 Directivity Diagram

