

KVY-1090M-DPL-4

OMNIDIRECTIONAL



kuvayi
technologies

VERSION: 1.1

DATE: 07.010.2023

KUVAYI TECHNOLOGIES A.Ş



ADS-B



SPECIFICATIONS

ELECTRICAL 	
Model	KVY-1090M-DPL-4
Frequency	1090 MHz
Pattern Type	Omni Directional
Polarization	Vertical
Impedance	50 Ω
Gain	4 dBi
VSWR	< 1.5:1
Bandwidth	1040-1140 MHz
Max Input Power	50W /100 W

MECHANICAL 	
Connector Type	N Male / N Female (Customizable)
Colour	White / Customizable
Length	55 cm
Diameter	20 mm

ENVIRONMENTAL CONDITIONS 	
Working Temperature	-30° to +60°C
Storage Temperature	-40° to +80°C
IP Protection Class	IP65





KVY-1090M-DPL-4

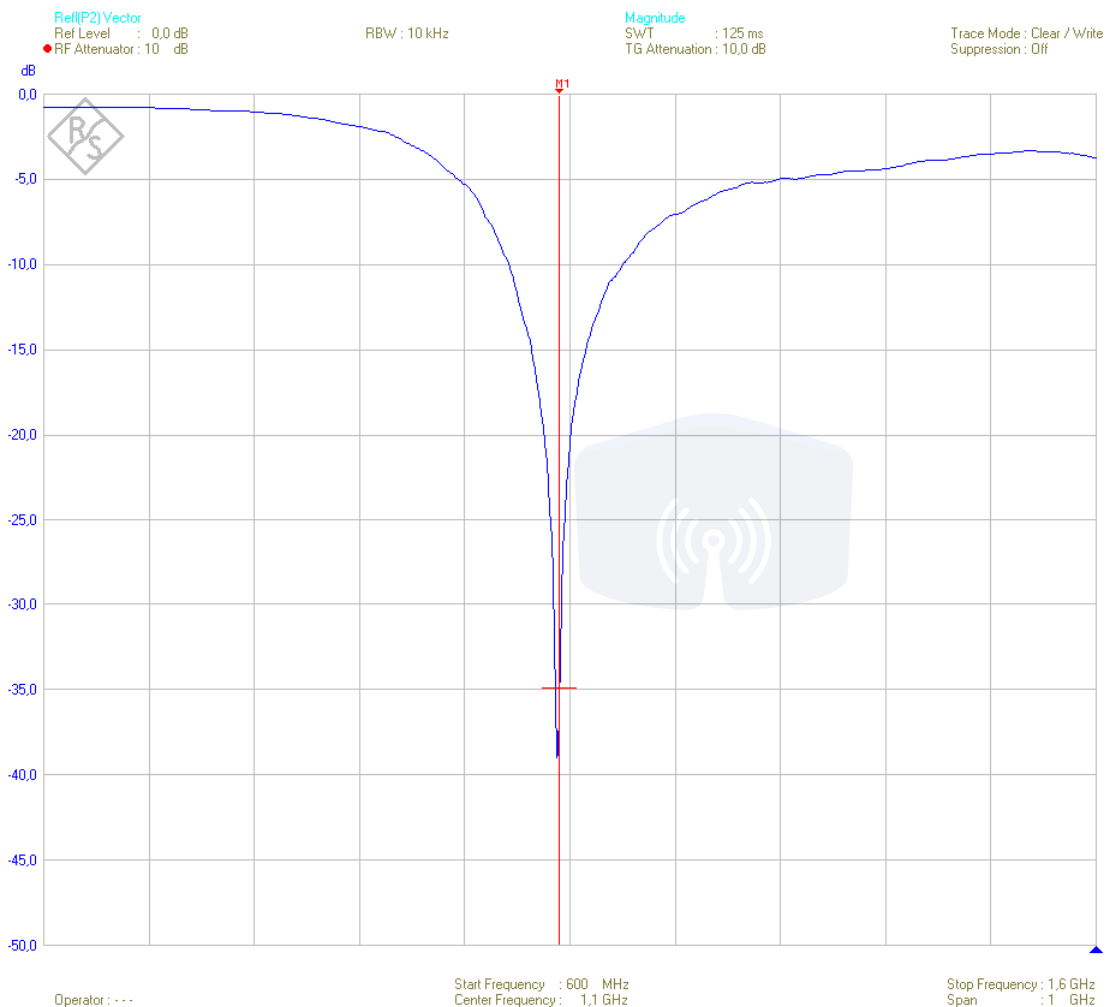


VSWR



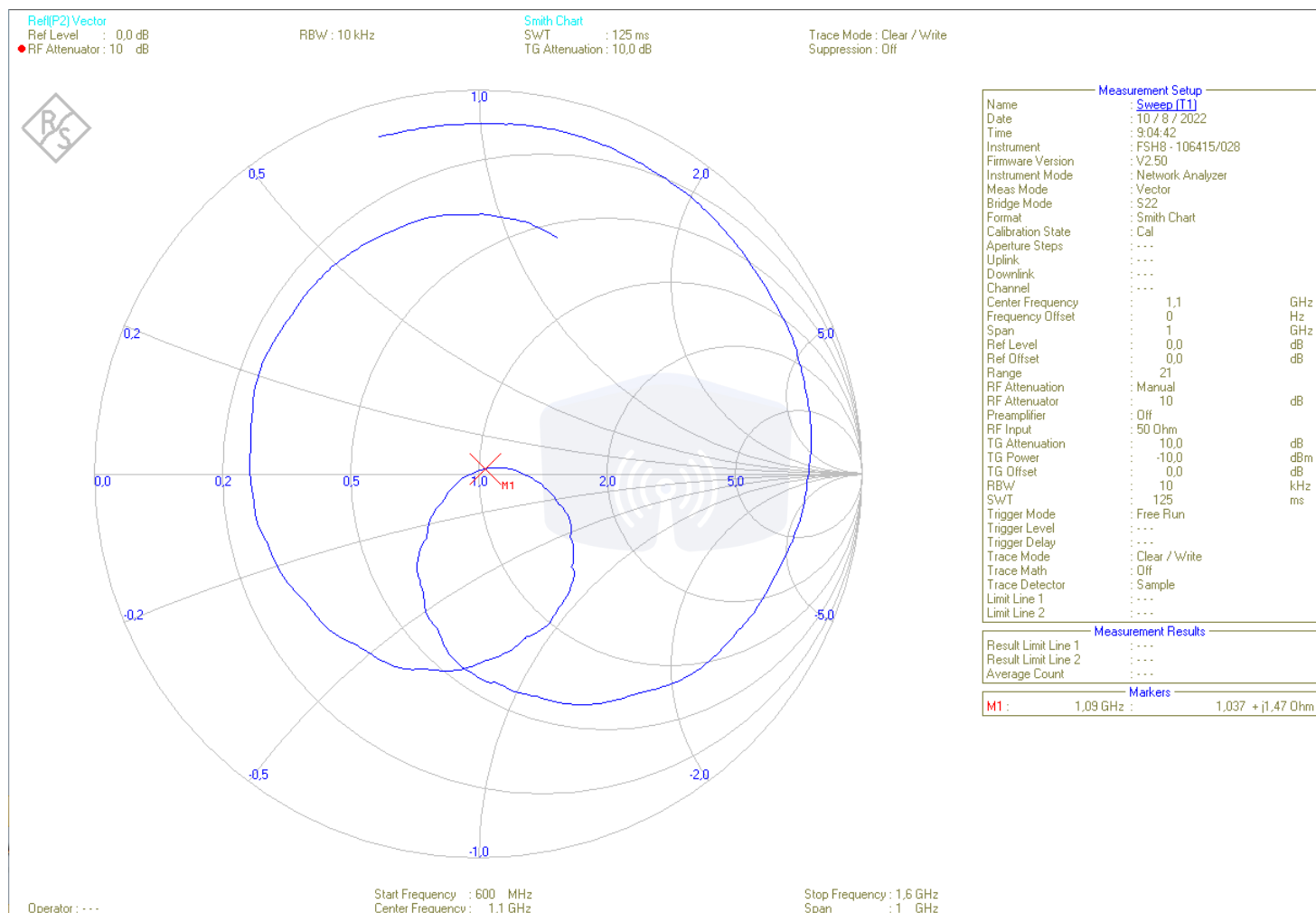
Measurement Setup	
Name	Sweep (T1)
Date	10 / 8 / 2022
Time	9:04:42
Instrument	FSH8 - 106415/028
Firmware Version	V2.50
Instrument Mode	Network Analyzer
Meas Mode	Vector
Bridge Mode	S22
Format	VSWR
Calibration State	Cal
Aperture Steps	---
Uplink	---
Downlink	---
Channel	---
Center Frequency	1,1 GHz
Frequency Offset	0 Hz
Span	1 GHz
Ref Level	0,0 dB
Ref Offset	0,0 dB
Range	21
RF Attenuation	Manual
RF Attenuator	10 dB
Preamplifier	Off
RF Input	50 Ohm
TG Attenuation	10,0 dB
TG Power	-10,0 dBm
TG Offset	0,0 dB
RBW	10 kHz
SWT	125 ms
Trigger Mode	Free Run
Trigger Level	---
Trigger Delay	---
Trace Mode	Clear / Write
Trace Math	Off
Trace Detector	Sample
Limit Line 1	---
Limit Line 2	---
Measurement Results	
Result Limit Line 1	---
Result Limit Line 2	---
Average Count	---
Markers	
M1:	1,09 GHz : 1,037

RETURN LOSS

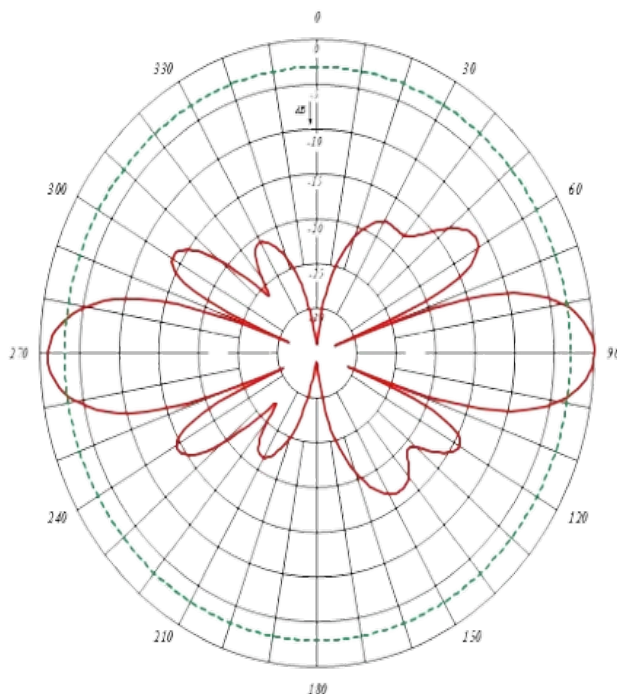





Measurement Setup	
Name	: Sweep [11]
Date	: 10 / 8 / 2022
Time	: 9:04:42
Instrument	: FSH8 - 106415/028
Firmware Version	: V2.50
Instrument Mode	: Network Analyzer
Meas Mode	: Vector
Bridge Mode	: S22
Format	: Magnitude
Calibration State	: Cal
Aperture Steps	: ---
Uplink	: ---
Downlink	: ---
Channel	: ---
Center Frequency	: 1,1 GHz
Frequency Offset	: 0 Hz
Span	: 1 GHz
Ref Level	: 0,0 dB
Ref Offset	: 0,0 dB
Range	: 50 dB
RF Attenuator	: Manual
RF Attenuator	: 10 dB
Preamplifier	: Off
RF Input	: 50 Ohm
TG Attenuation	: 10,0 dB
TG Power	: -10,0 dBm
TG Offset	: 0,0 dB
RBW	: 10 kHz
SWT	: 125 ms
Trigger Mode	: Free Run
Trigger Level	: ---
Trigger Delay	: ---
Trace Mode	: Clear / Write
Trace Math	: Off
Trace Detector	: Sample
Limit Line 1	: ---
Limit Line 2	: ---
Measurement Results	
Result Limit Line 1	: ---
Result Limit Line 2	: ---
Average Count	: ---
Markers	
M1:	1,09 GHz : -34,90 dB


INPUT IMPEDANCE



Antenna Radiation Pattern



ORDER DETAILS		
1090M-DPL-4-001	Glass Fiber Antenna / N Female	
1090M-DPL-4-002	Glass Fiber Antenna / N Male	
Explanation	Please specify the connector you prefer when ordering the antenna. It is not a parameter that affects the antenna performance or quality. Choose the one that is compatible with the extension cable connector you will use.	

Packaging Information		
Packaging Information	Plastic	
Cargo Dimensions	Approximately 65 x 3 cm	



Order Details

Order Link:

<http://www.kuvayitechnologies.com/>

1. Sakarya Mahallesi, Ayvaz Sokak,
No:3A Karesi / BALIKESİR / TURKIYE

Sales: +90 505 116 27 05

e-mail: info@kuvayitechnologies.com

Web: <http://www.kuvayitechnologies.com/>