

KVY-868M-DPL-B

OMNIDIRECTIONAL





VERSİYON: 1.1


TARİH: 06.08.2022

KUVAYI TECHNOLOGIES A.Ş

## PROPERTIES

ELECTRICAL 	
Model	KVY-868-DPL-B
Frequency	868 MHz
Pattern Type	Omni Directional
Polarization	Vertical
Impedance	50 $\Omega$
Gain	2 dBi
VSWR	< 1.5:1
Bandwidth	840-935 MHz
Maximum Input Power	50W

MECHANIC 	
Connector Type	SMA Plug (male) (0°,45°,90°)
Antenna Colour	Black
Length	200 mm
Diameter	15 mm
Weight	20 gr

ENVIRONMENT CONDITION 	
Operational Working Temperature	-30° to +60°C
Storage Temperature	-30° to +75°C
IP Protection Class	



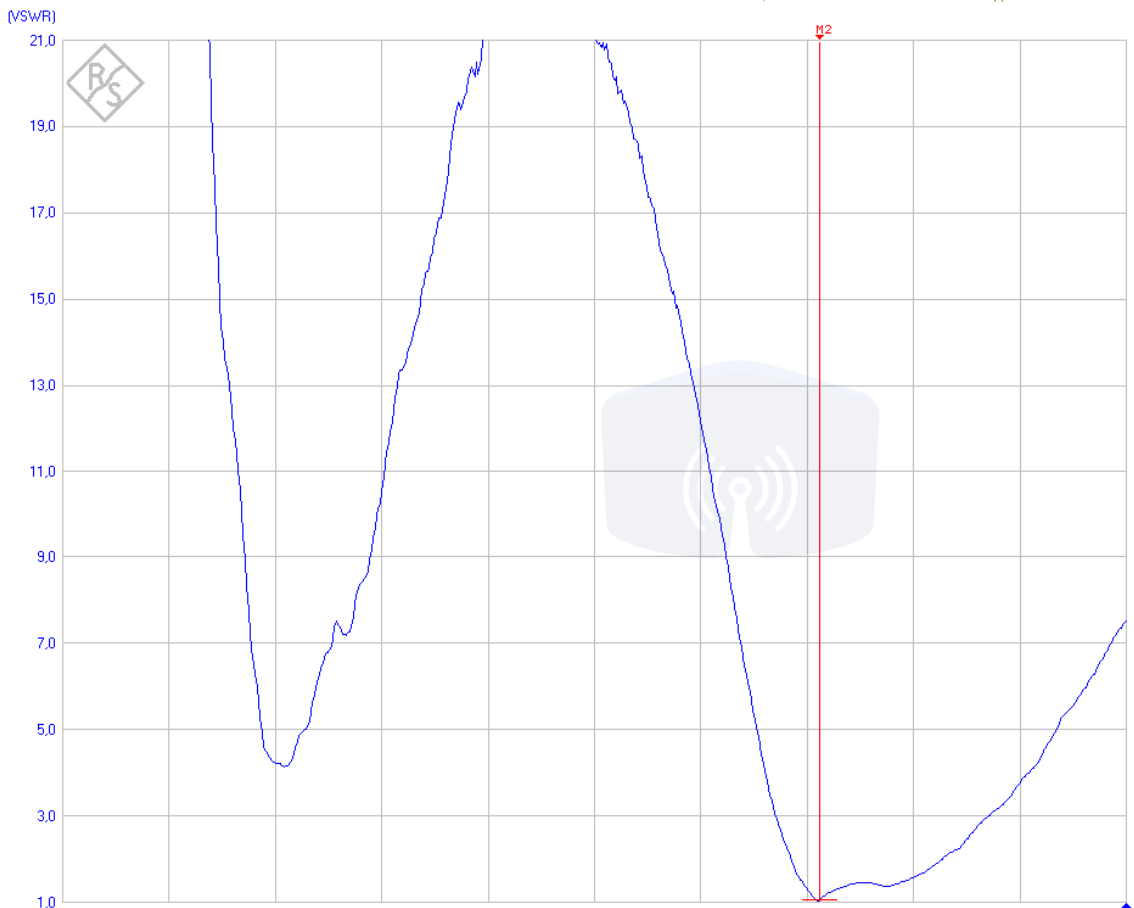
# VSWR

Ref(P2) Vector  
 Ref Level : 0.0 dB  
 RF Attenuator: 10 dB

RBW : 10 kHz

VSWR  
 SWT : 144 ms  
 TG Attenuation : 10.0 dB

Trace Mode : Clear / Write  
 Suppression : Off

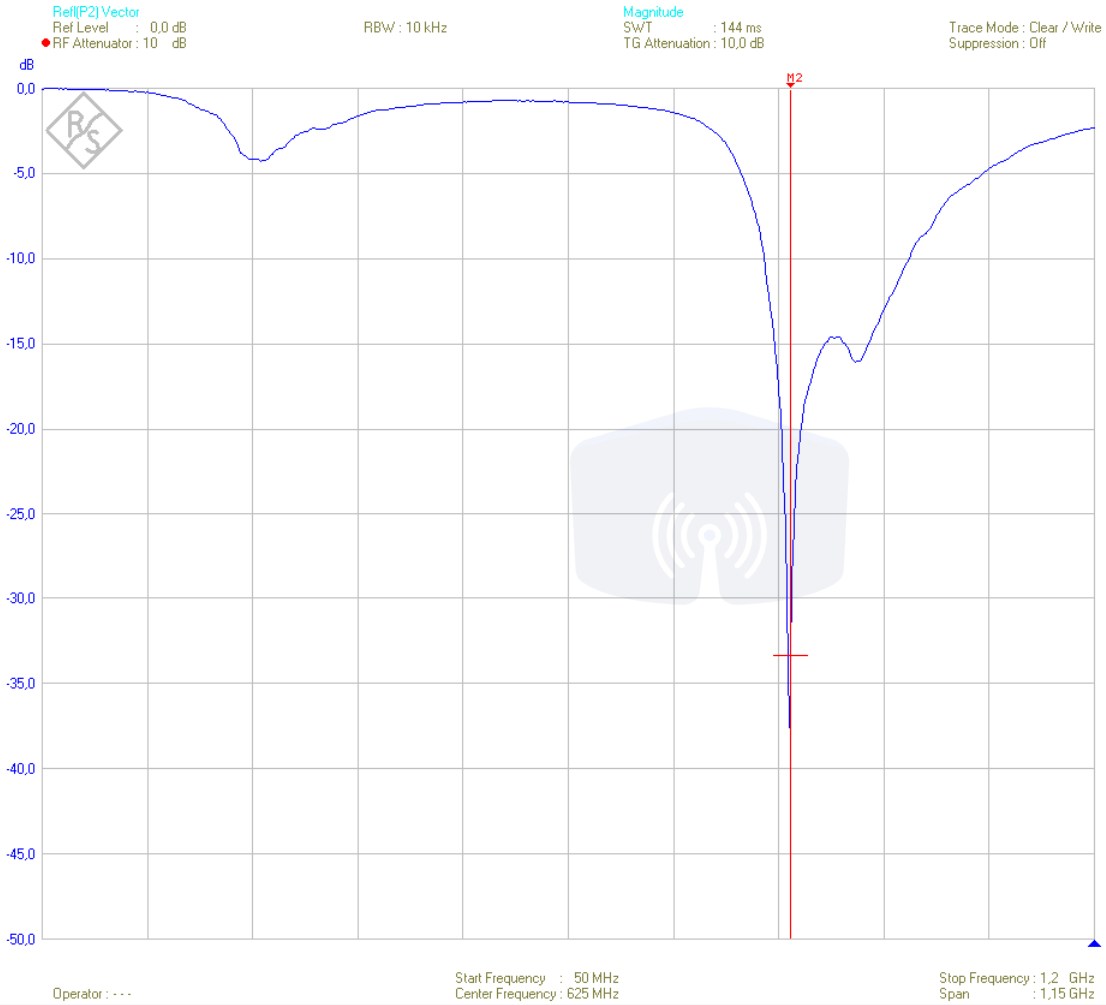


Measurement Setup	
Name	Sweep (T1)
Date	8 / 8 / 2022
Time	9:14:08
Instrument	FSH8 - 106415/028
Firmware Version	V2.50
Instrument Mode	Network Analyzer
Meas Mode	Vector
Bridge Mode	S22
Format	VSWR
Calibration State	Cal
Aperture Steps	---
Uplink	---
Downlink	---
Channel	---
Center Frequency	625 MHz
Frequency Offset	0 Hz
Span	1.15 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	144 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	
M2:	860 MHz : 1.044

# REFLECTION LOSS



Measurement Setup	
Name	Sweep [1]
Date	8 / 8 / 2022
Time	9:14:08
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	625 MHz
Frequency Offset	0 Hz
Span	1,15 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	144 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	
M2:	868 MHz : -33,32 dB

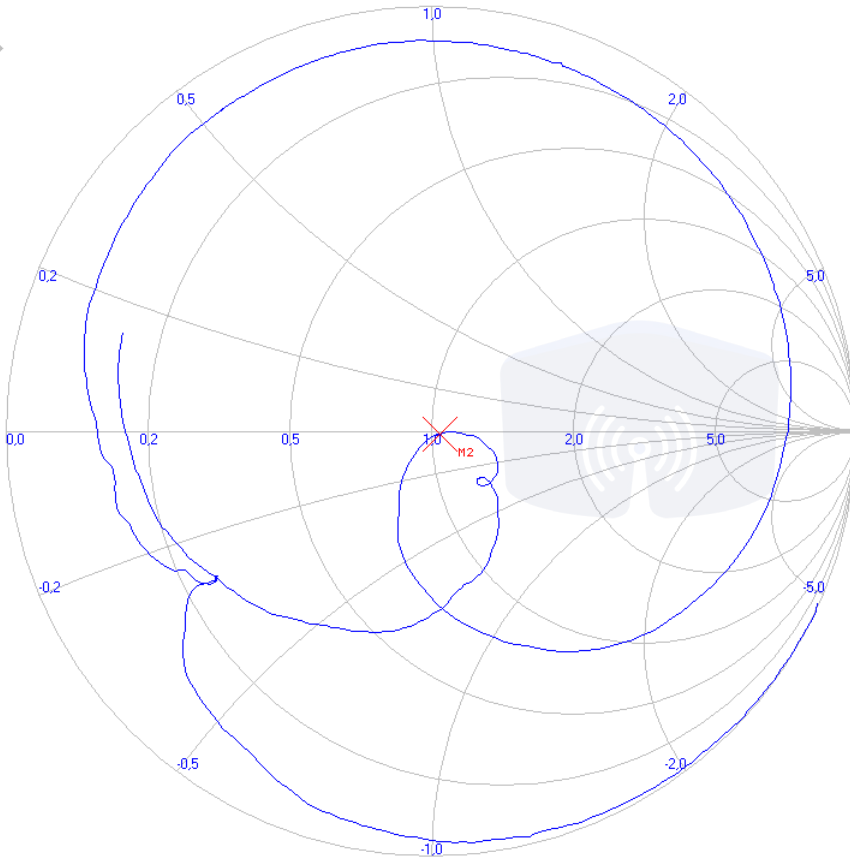
# INPUT IMPEDANCE

Ref(P2) Vector  
Ref Level : 0.0 dB  
RF Attenuator: 10 dB

RBW: 10 kHz

Smith Chart  
SWT : 144 ms  
TG Attenuation: 10.0 dB

Trace Mode: Clear / Write  
Suppression: Off



Measurement Setup			
Name	: Sweep (I1)		
Date	: 8 / 8 / 2022		
Time	: 9:14:08		
Instrument	: FSH8 - 106415/028		
Firmware Version	: V2.50		
Instrument Mode	: Network Analyzer		
Meas Mode	: Vector		
Bridge Mode	: S22		
Format	: Smith Chart		
Calibration State	: Cal		
Aperture Steps	: ---		
Uplink	: ---		
Downlink	: ---		
Channel	: ---		
Center Frequency	: 625	MHz	
Frequency Offset	: 0	Hz	
Span	: 1,15	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	: 144	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			
M2:	868 MHz:	1,044	-j0,73 Ohm

Operator: ---

Start Frequency : 50 MHz  
Center Frequency : 625 MHz

Stop Frequency : 1,2 GHz  
Span : 1,15 GHz

## Order Details

Order Link:

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

Çağış Mah. Çağış B.M SK. NO: 340 /16-  
İç Kapı No: 60-BİGADIÇ/ BALIKESİR

Sales: +90 505 116 27 05

e-mail: [info@kuvayitechnologies.com](mailto:info@kuvayitechnologies.com)

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