

KVY-868M-ODP-8DBI

OMNIDIRECTIONAL





VERSİYON: 1.1


TARİH: 24.04.2022

KUVAYI TECHNOLOGIES A.Ş

PROPERTIES

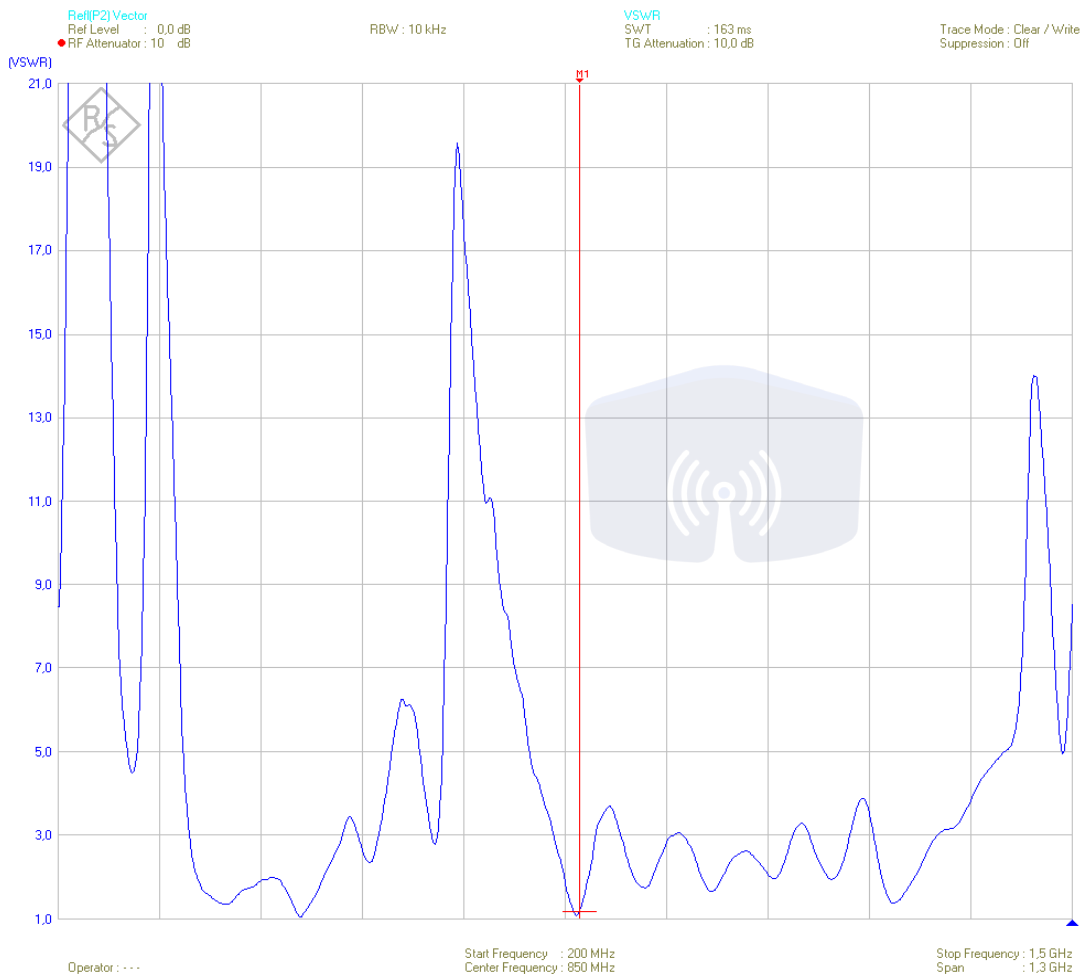
ELECTRICAL 	
Model	KVY-868M-ODP-8DBI
Frequency	868 MHz
Pattern Type	Omnidirectional
Polarization	Vertical
Impedance	50 Ω
Gain	8 dBi
VSWR	< 1.5:1
Bandwidth	27 MHz
Maximum Input Power	50W

MECHANICAL 	
Connector Type	N male RP
Antenna Colour	
Height	1100 mm
Diameter	20 mm
Weight	425 gr

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



VSWR

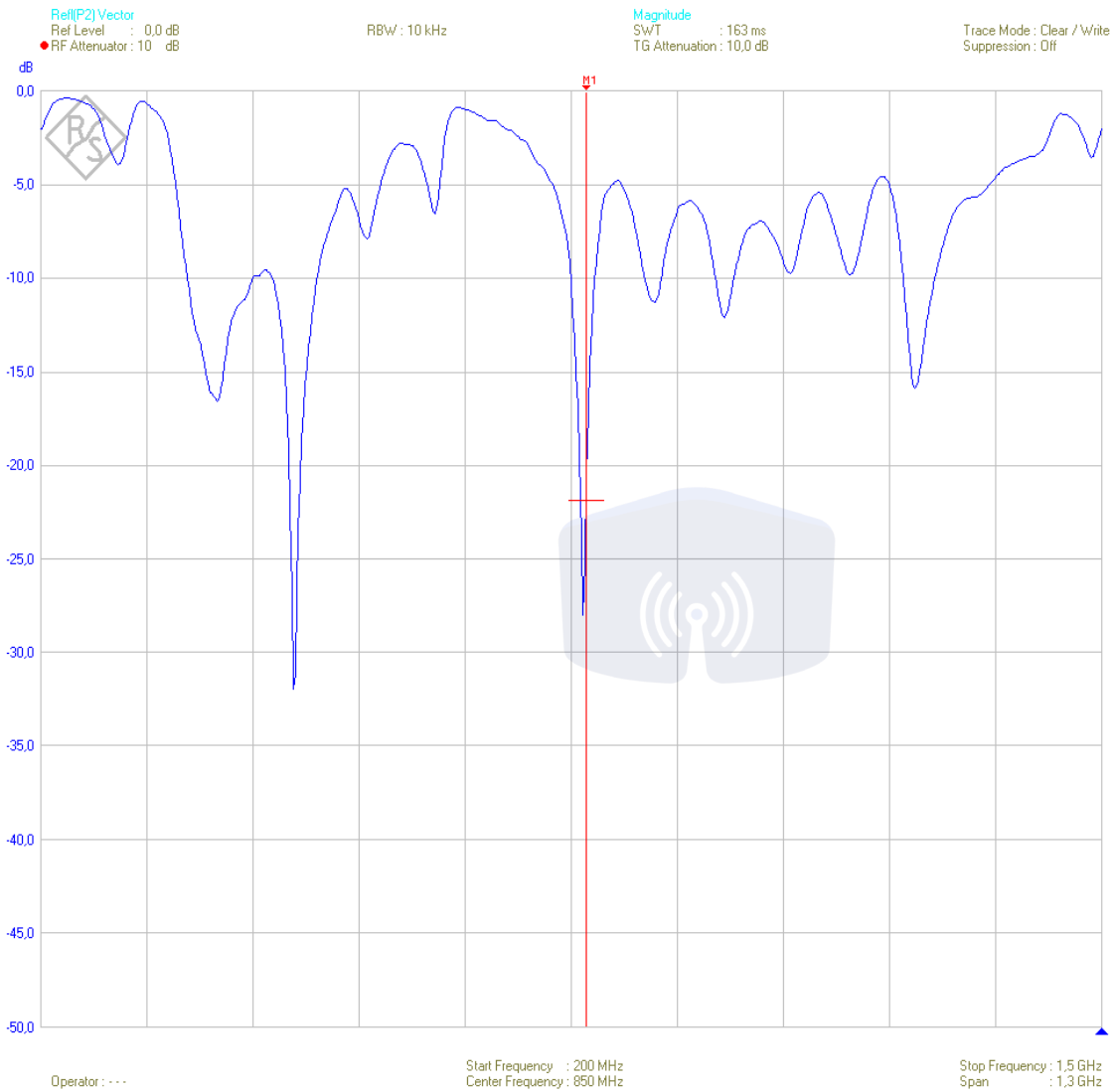


Measurement Setup	
Name	Sweep [T1]
Date	17 / 5 / 2022
Time	17:28:16
Instrument	FSH8 - 106415/028
Firmware Version	V2.50
Instrument Mode	Network Analyzer
Meas Mode	Vector
Bridge Mode	S22
Format	VSWR
Calibration State	Interp
Aperture Steps	...
Uplink	...
Downlink	...
Channel	...
Center Frequency	850 MHz
Frequency Offset	0 Hz
Span	1.3 GHz
Ref Level	0.0 dB
Ref Offset	0.0 dB
Range	21
RF Attenuation	Manual
RF Attenuator	10 dB
Preamp	Off
RF Input	50 Ohm
TG Attenuation	10.0 dB
TG Power	-10.0 dBm
TG Offset	0.0 dB
RBW	10 kHz
SWT	163 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:	868 MHz : 1,176

REFLECTION LOSS



Measurement Setup		
Name	: Sweep [T1]	
Date	: 17 / 5 / 2022	
Time	: 17:28:16	
Instrument	: FSH8 - 106415/028	
Firmware Version	: V2.50	
Instrument Mode	: Network Analyzer	
Meas Mode	: Vector	
Bridge Mode	: S22	
Format	: Magnitude	
Calibration State	: Interp	
Aperture Steps	: ...	
Uplink	: ...	
Downlink	: ...	
Channel	: ...	
Center Frequency	: 850	MHz
Frequency Offset	: 0	Hz
Span	: 1,3	GHz
Ref Level	: 0,0	dB
Ref Offset	: 0,0	dB
Range	: 50	dB
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	: 163	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:	868 MHz:	-21,86 dB

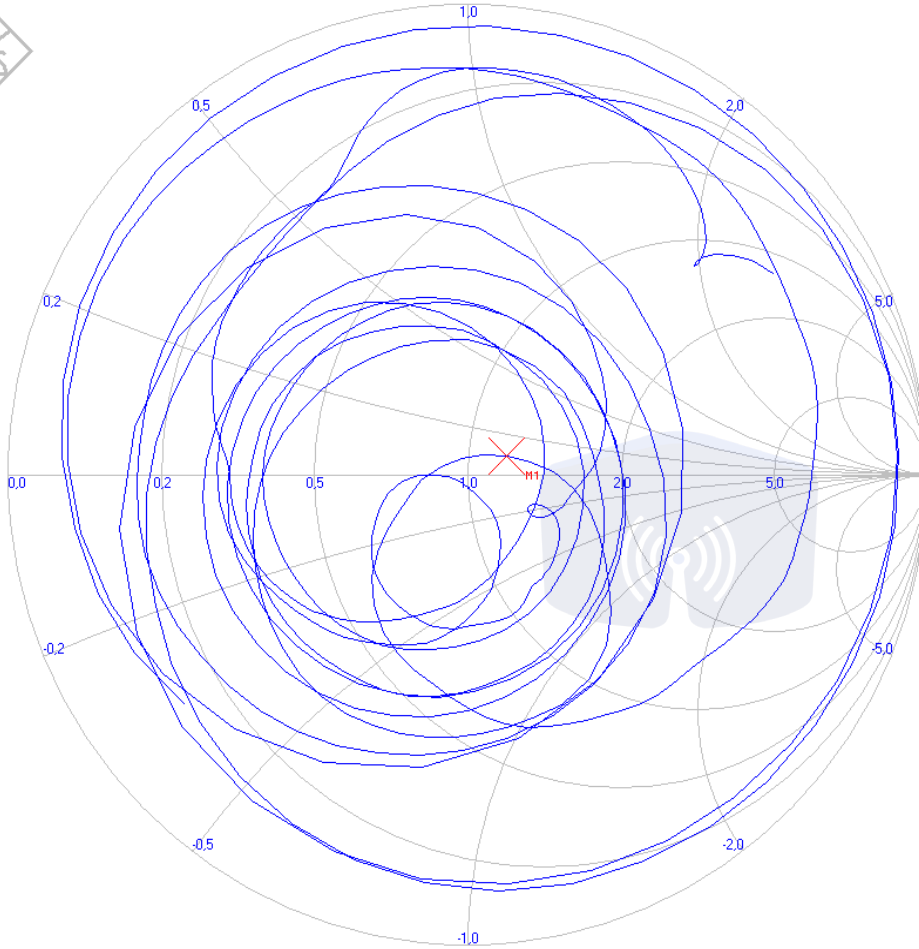
INPUT IMPEDANCE

ReI[P2] Vector
Ref Level : 0,0 dB
RF Attenuator : 10 dB

RBW : 10 kHz

Smith Chart
SWT : 163 ms
TG Attenuation : 10,0 dB

Trace Mode : Clear / Write
Suppression : Off



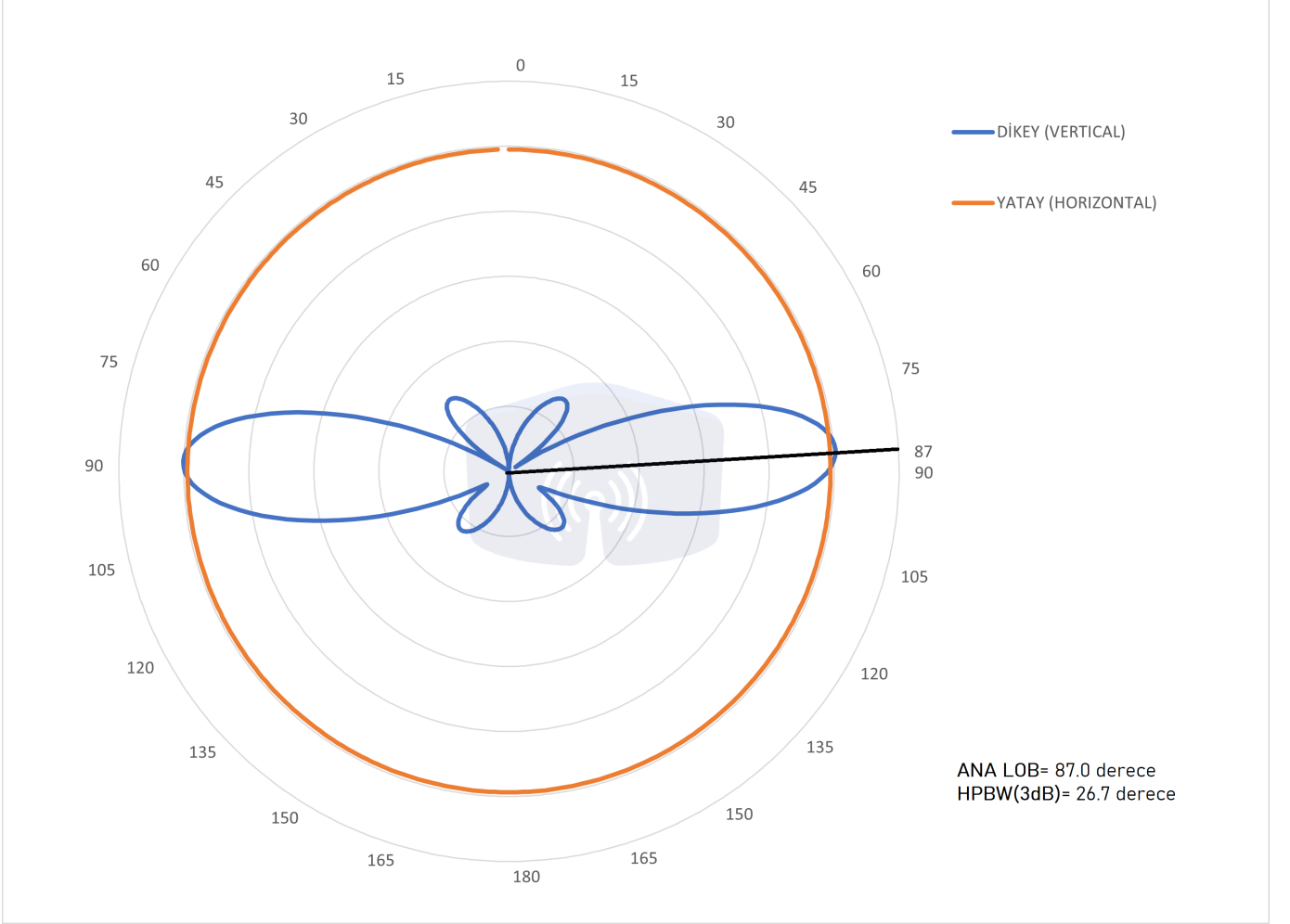
Measurement Setup	
Name	Sweep (T1)
Date	17 / 5 / 2022
Time	17:28:16
Instrument	FSH8 - 106415/028
Firmware Version	V2.50
Instrument Mode	Network Analyzer
Meas Mode	Vector
Bridge Mode	S22
Format	Smith Chart
Calibration State	Interp
Aperture Steps	---
Uplink	---
Downlink	---
Channel	---
Center Frequency	850 MHz
Frequency Offset	0 Hz
Span	1,3 GHz
Ref Level	0,0 dB
Ref Offset	0,0 dB
Range	50 dB
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	163 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 :	868 MHz : 57,1 Ohm + j4,99 Ohm

Operator : ---

Start Frequency : 200 MHz
Center Frequency : 850 MHz

Stop Frequency : 1,5 GHz
Span : 1,3 GHz

FAR FIELD RADIATION



Order Details

Order Link:

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

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