

KVY-433-ESHB

OMNIDIRECTIONAL





VERSİYON: 1.1


TARİH: 18.03.2021

KUVAYI TECHNOLOGIES A.Ş

## PROPERTIES

ELECTRICAL 	
Model	KVY-433-ESHB
Frequency	433 MHz
Pattern Type	Omni Directional
Polarization	Vertical
Impedance	50 $\Omega$
Gain	2 dBi
VSWR	< 1.5:1
Bandwidth	400-445 MHz
Maximum Input Power	50W

MECHANIC 	
Connector Type	SMA Plug (male) (0°,45°,90°)
Antenna Colour	Black
Lenght	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	



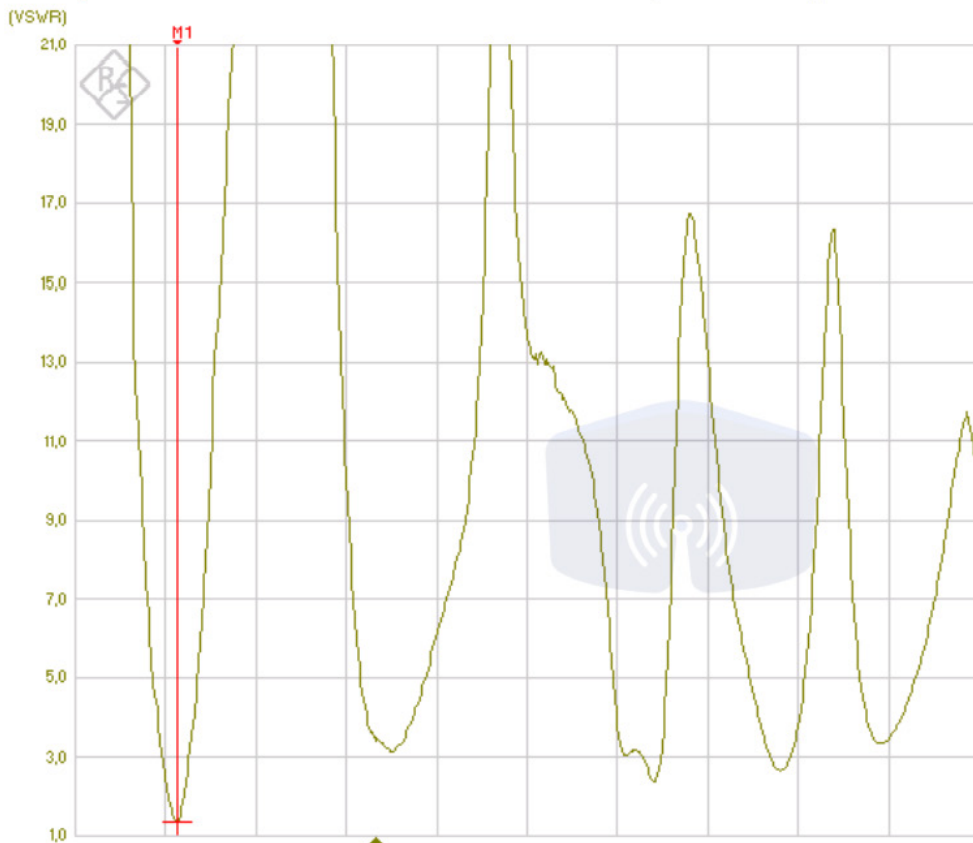
# VSWR

Ref(P2) Vector  
 Ref Level : 0,0 dB  
 RF Attenuator : 10 dB

RBW : 10 kHz

VSWR  
 SWT : 363 ms  
 TG Attenuation : 10,0 dB

Trace Mode : Clear / Write  
 Suppression : Off



Measurement Setup	
Name	: Sweep (T1)
Date	: 9 / 11 / 2022
Time	: 15:35:24
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	: 1,55 GHz
Frequency Offset	: 0 Hz
Span	: 2,9 GHz
Ref Level	: 0,0 dB
Ref Offset	: 0,0 dB
Range	: 21
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	: 363 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	: ---

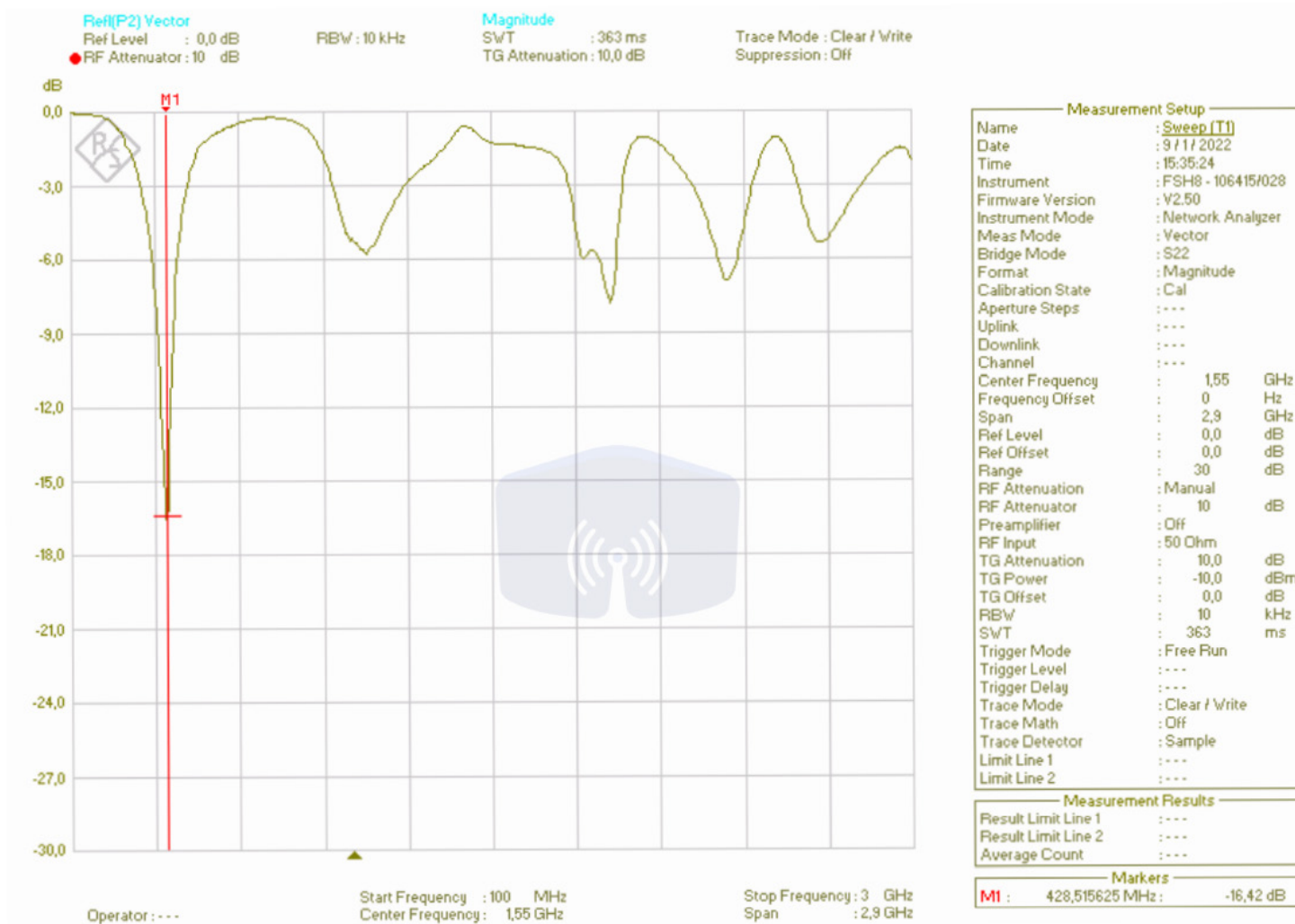
Markers	
M1	: 428,515625 MHz : 1,356

Operator : ---

Start Frequency : 100 MHz  
 Center Frequency : 1,55 GHz

Stop Frequency : 3 GHz  
 Span : 2,9 GHz

# REFLECTION LOSS



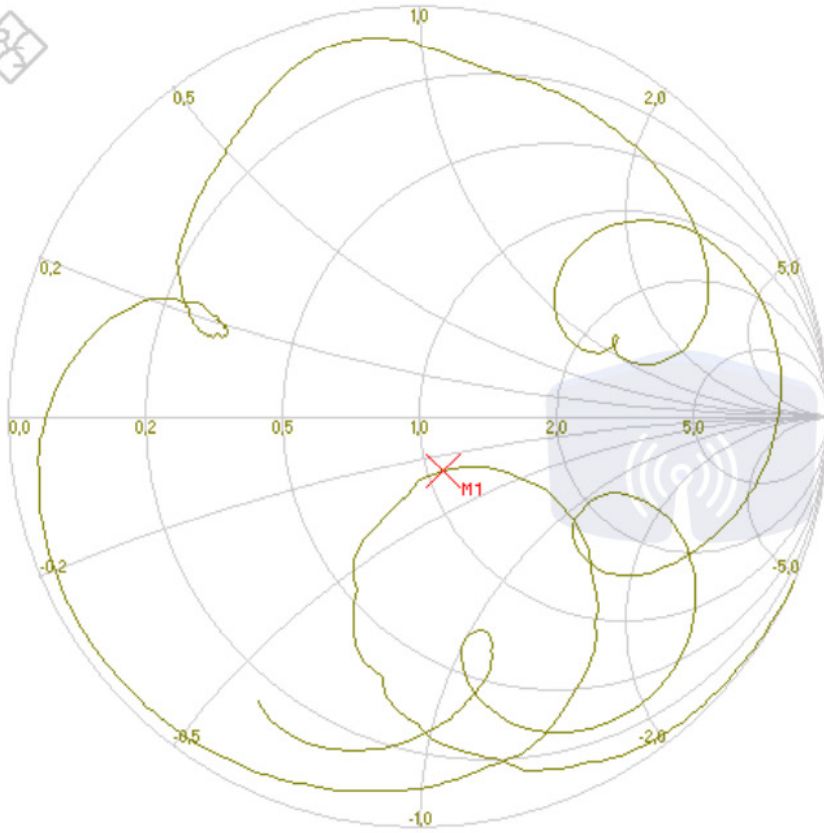
# INPUT IMPEDANCE

Ref(P2) Vector  
 Ref Level : 0,0 dB  
 RF Attenuator : 10 dB

RBW : 10 kHz

Smith Chart  
 SWT : 363 ms  
 TG Attenuation : 10,0 dB

Trace Mode : Clear / Write  
 Suppression : Off



Measurement Setup		
Name	: Sweep (T1)	
Date	: 9 / 1 / 2022	
Time	: 15:35:24	
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	: 1,55	GHz
Frequency Offset	: 0	Hz
Span	: 2,9	GHz
Ref Level	: 0,0	dB
Ref Offset	: 0,0	dB
Range	: 20	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	: 363	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	: 428,515625 MHz	: 55,9 Ohm - j15,0 Ohm

Operator : ---

Start Frequency : 100 MHz  
 Center Frequency : 1,55 GHz

Stop Frequency : 3 GHz  
 Span : 2,9 GHz

## Order Details

Order Link:

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

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