

KVY-830M-DPL-B

OMNIDIRECTIONAL





VERSİYON: 1.1


TARİH: 06.08.2022

KUVAYI TECHNOLOGIES A.Ş

PROPERTIES

| ELECTRICAL  | |
|--|------------------|
| Model | KVY-830M-DPL-B |
| Frequency | 830 MHz |
| Pattern Type | Omni Directional |
| Polarization | Vertical |
| Impedance | 50 Ω |
| Gain | 2 dBi |
| VSWR | < 1.5:1 |
| Bandwidth | 810-860 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 | |



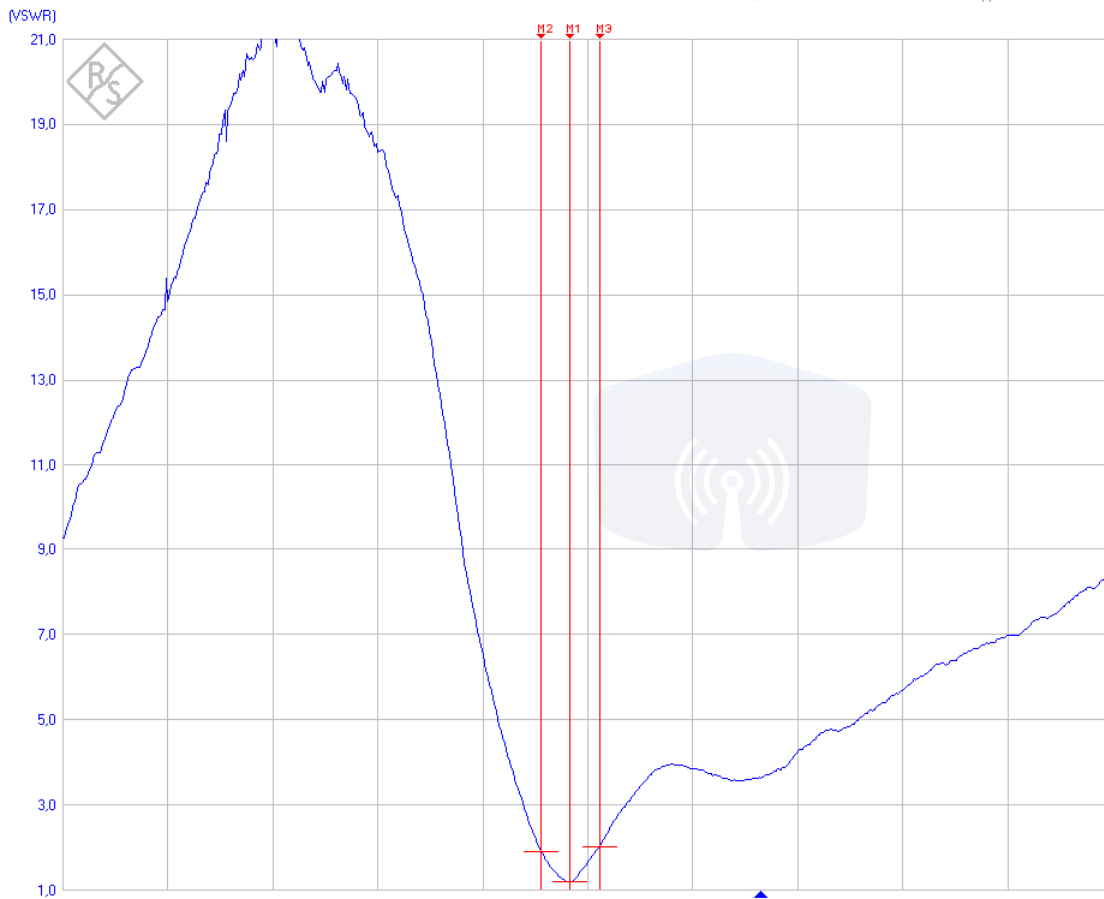
VSWR

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

RBW : 10 kHz

VSWR
 SWT : 113 ms
 TG Attenuation : 10,0 dB

Trace Mode : Clear / Write
 Suppression : Off



| Measurement Setup | |
|-------------------|-------------------|
| Name | Sweep [T1] |
| Date | 9 / 8 / 2022 |
| Time | 9:33:40 |
| 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 | 850 MHz |
| Frequency Offset | 0 Hz |
| Span | 900 MHz |
| 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 | 113 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 | --- |

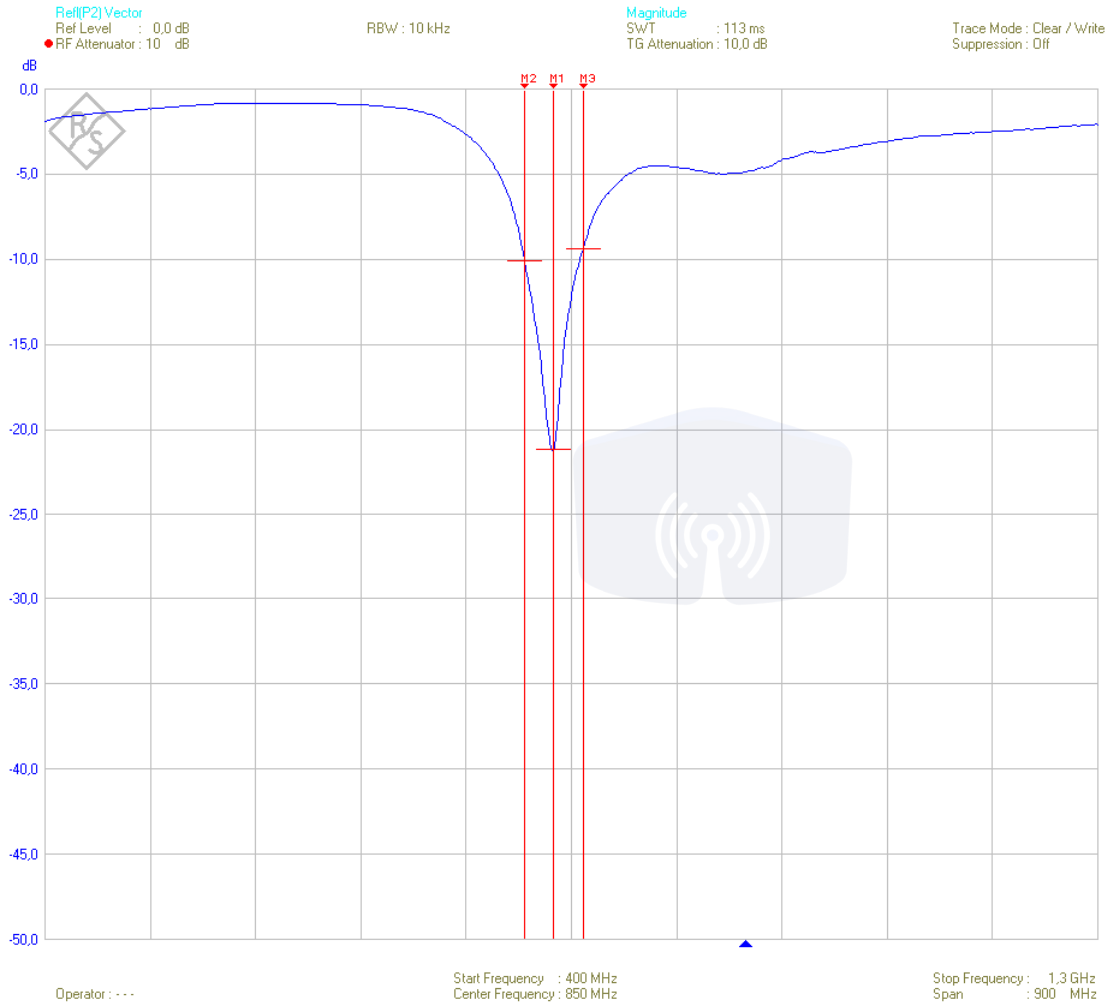
| Markers | |
|---------|-----------------|
| M1 : | 835 MHz : 1,191 |
| M2 : | 810 MHz : 1,914 |
| M3 : | 860 MHz : 2,027 |

Operator : ---

Start Frequency : 400 MHz
 Center Frequency : 850 MHz

Stop Frequency : 1,3 GHz
 Span : 900 MHz

REFLECTION LOSS



| Measurement Setup | | |
|-------------------|-------------------|-----|
| Name | Sweep [11] | |
| Date | 9 / 8 / 2022 | |
| Time | 9:33:40 | |
| 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 | 850 | MHz |
| Frequency Offset | 0 | Hz |
| Span | 900 | MHz |
| 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 | 113 | 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 | 835 MHz | -21,20 dB |
| M2 | 810 MHz | -10,07 dB |
| M3 | 860 MHz | -9,39 dB |

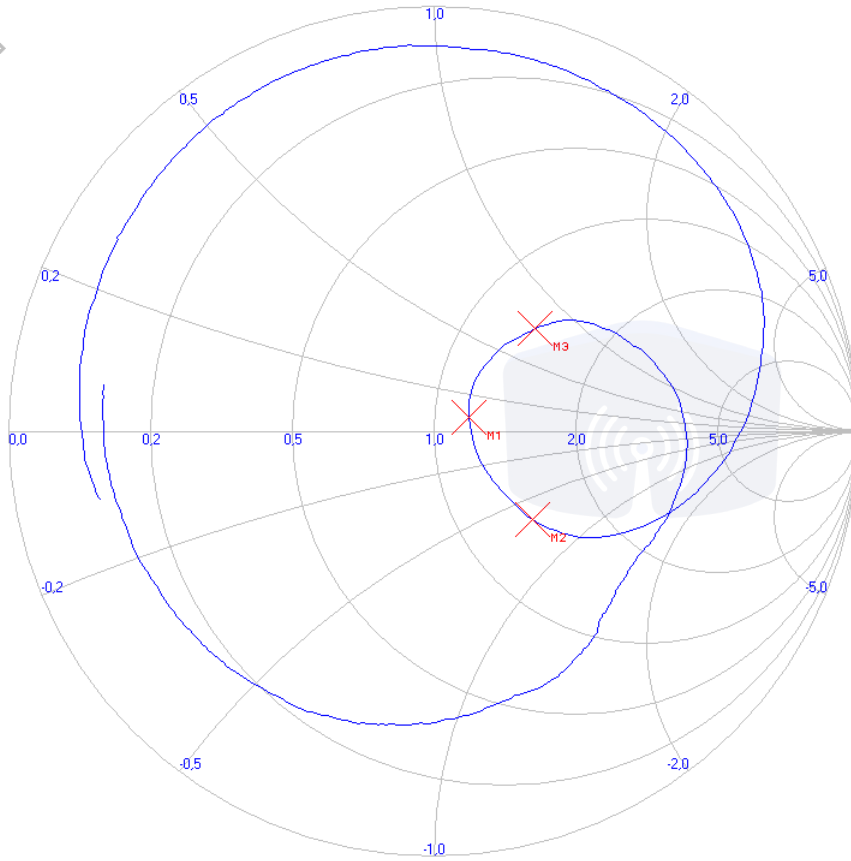
INPUT IMPEDANCE

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

RBW : 10 kHz

Smith Chart
SWT : 113 ms
TG Attenuation : 10,0 dB

Trace Mode : Clear / Write
Suppression : Off



| Measurement Setup | | | |
|-------------------|-------------------|-----|--|
| Name | Sweep [I1] | | |
| Date | 9 / 8 / 2022 | | |
| Time | 9:33:40 | | |
| 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 | 850 | MHz | |
| Frequency Offset | 0 | Hz | |
| Span | 900 | MHz | |
| 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 | 113 | 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 : | 835 MHz : | 1,191 | +j2,87 Ohm |
| M2 : | 810 MHz : | 1,914 | -j33,2 Ohm |
| M3 : | 860 MHz : | 2,027 | +j37,8 Ohm |

Operator : ---

Start Frequency : 400 MHz
Center Frequency : 850 MHz

Stop Frequency : 1,3 GHz
Span : 900 MHz

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