

KVY-1090M-DPL-2

OMNIDIRECTIONAL



kuvayi
technologies

VERSION: 1.1

DATE: 10.05.2022


KUVAYI TECHNOLOGIES A.Ş







KVY-1090-DPL-2

SPECIFICATIONS

| ELECTRICAL  | |
|--|------------------|
| Model | KVY-1090-DPL-2 |
| Frequency | 1090 MHz |
| Pattern Type | Omni Directional |
| Polarization | Vertical |
| Impedance | 50 Ω |
| Gain | 2 dBi |
| VSWR | < 1.5:1 |
| Bandwidth | 1040-1150 MHz |
| Max Input Power | 50W |

| MECHANICAL  | |
|--|---|
| Connector Type | SMA Plug (male) / Customizable (0°,45°,90°) |
| Colour | Black / Customizable |
| Length | 200 mm |
| Diameter | 15 mm |
| Weight | 20 gr |

| ENVIRONMENTAL CONDITIONS  | |
|--|---------------|
| Working Temperature | -20° to +50°C |
| Storage Temperature | -25° to +55°C |
| IP Protection Class | IP54 |



VSWR

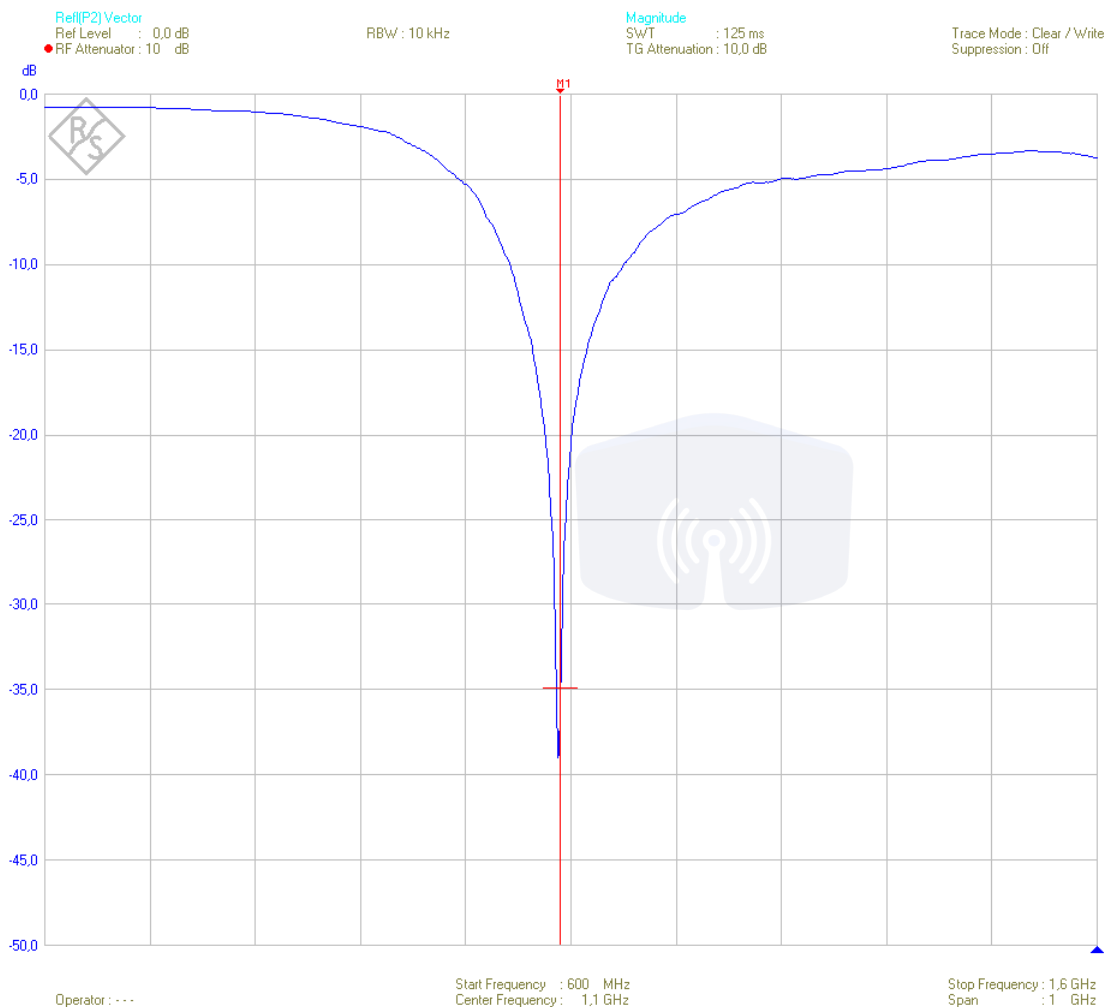


| Measurement Setup | |
|-------------------|-------------------|
| Name | Sweep [T1] |
| Date | 10 / 8 / 2022 |
| Time | 9:04:42 |
| Instrument | FSH8 - 106415/028 |
| Firmware Version | V2.50 |
| Instrument Mode | Network Analyzer |
| Meas Mode | Vector |
| Bridge Mode | S22 |
| Format | VSWR |
| Calibration 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 | --- |

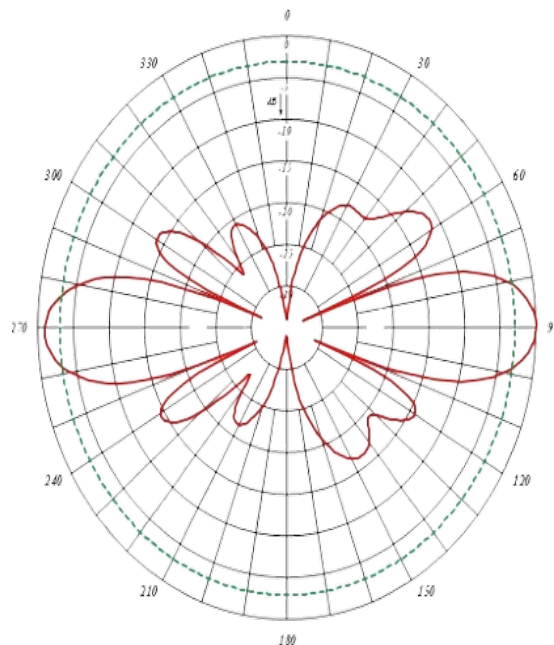
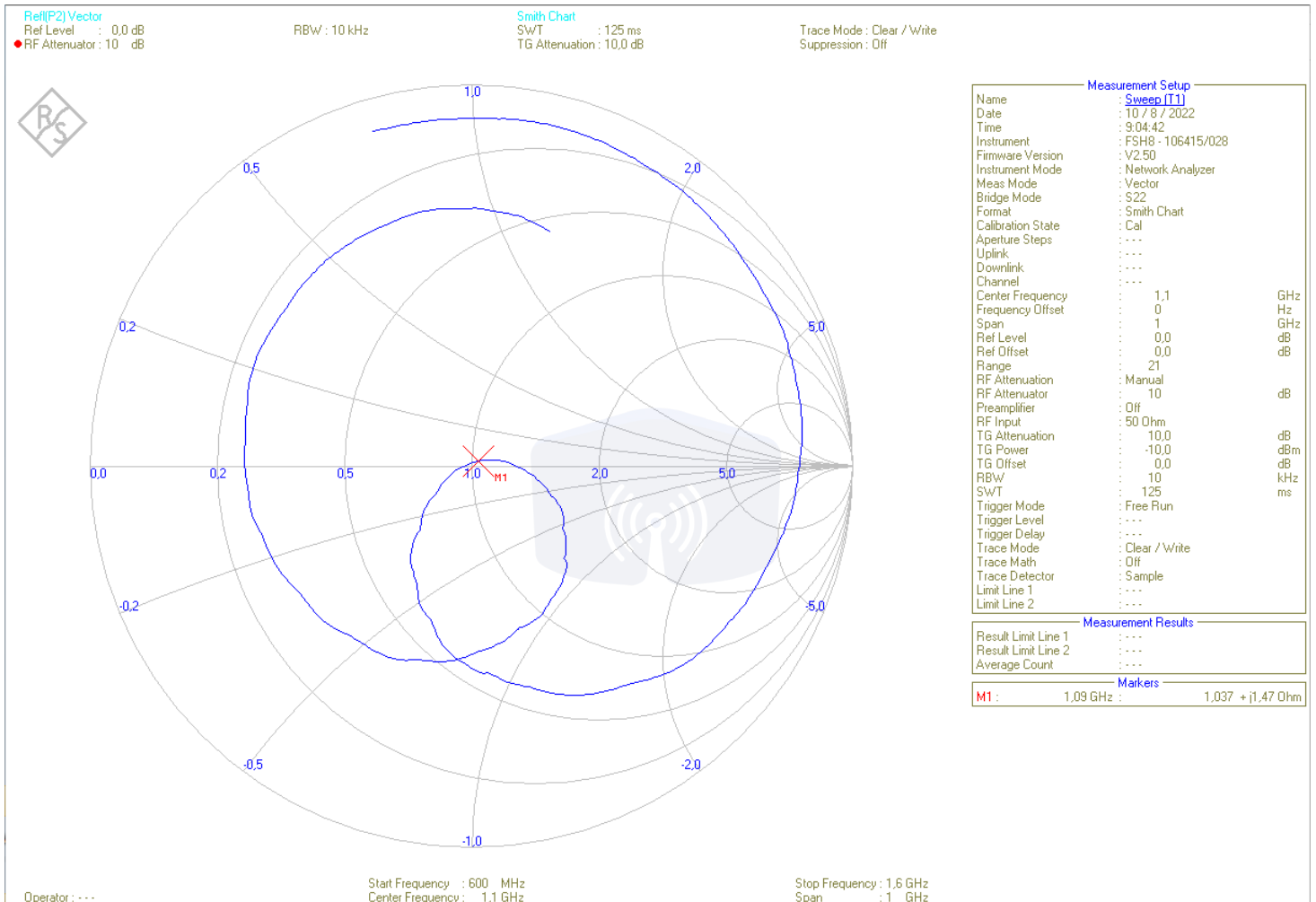
| Markers | |
|---------|------------------|
| M1: | 1.09 GHz : 1.037 |




RETURN LOSS




| Measurement Setup | | |
|---------------------|-------------------|-----------|
| Name | Sweep (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 | 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 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 | -34.90 dB |

INPUT IMPEDANCE



| ORDER DETAILS | |  |
|----------------|--|---|
| 1090-DPL-2-001 | Indoor Antenna / SMA Female |  |
| 1090-DPL-2-002 | Indoor Antenna / SMA Male |  |
| Explanation | They are high electrical quality antennas specially developed for indoor applications. | |

| Packaging Information | |  |
|------------------------------|-------------------------|---|
| Packaging Information | Plastic | |
| Cargo Dimensions | Approximately 22 x 3 cm | |



Order Details

Order Link:

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

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