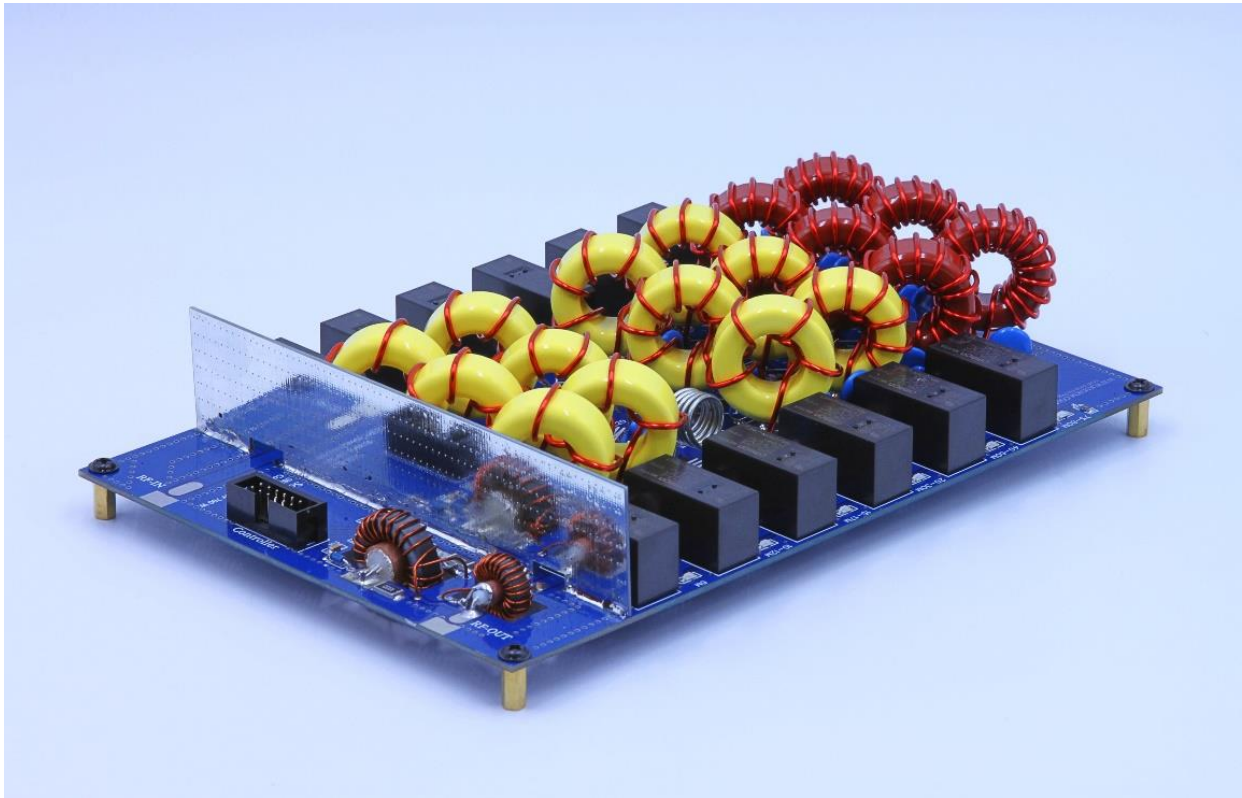


LOW PASS FILTER BY KM3KM

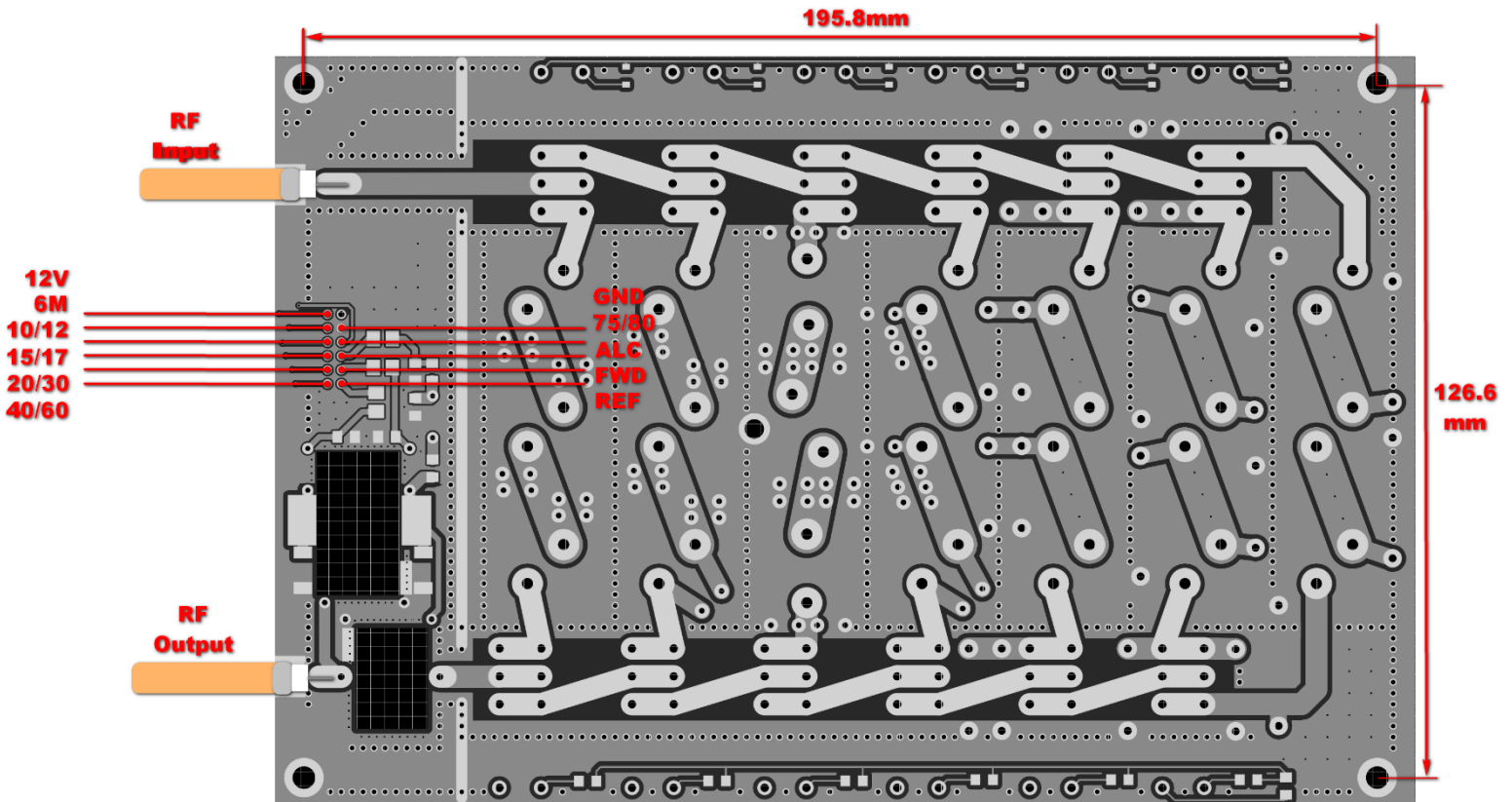


- Support 1300 Watts SSB / 700 Watts Continuous Carrier.
- 160, 75/80, 40/60, 20/30, 15/17, 10/12, 6 Meters Segments.
- Insertion loss <0.21 dBm.
- Integrated FWD, REF, ALC Coupler.
- Hi Quality Components.

This Low pass Filters designed for Amateur Radio Segments is ideal for your Home-made Amplifier Project. High-quality components provide good performance and work reliability. The design was carefully following the FCC regulations for elimination of harmonics and spurious. Coupler On-board with excellent linearity for Power and SWR instrument measurements.

Materials

Amidon T106 Toroid's	PCB FR-4 Standard 140 °C
Magnet Wire 16 AWG, 200°C	Ceramic Disc Capacitors
Relays G2RL-1-E-12V	FKP Capacitors
Dimensions 208mm x 136mm	Weight 0.85 Kg

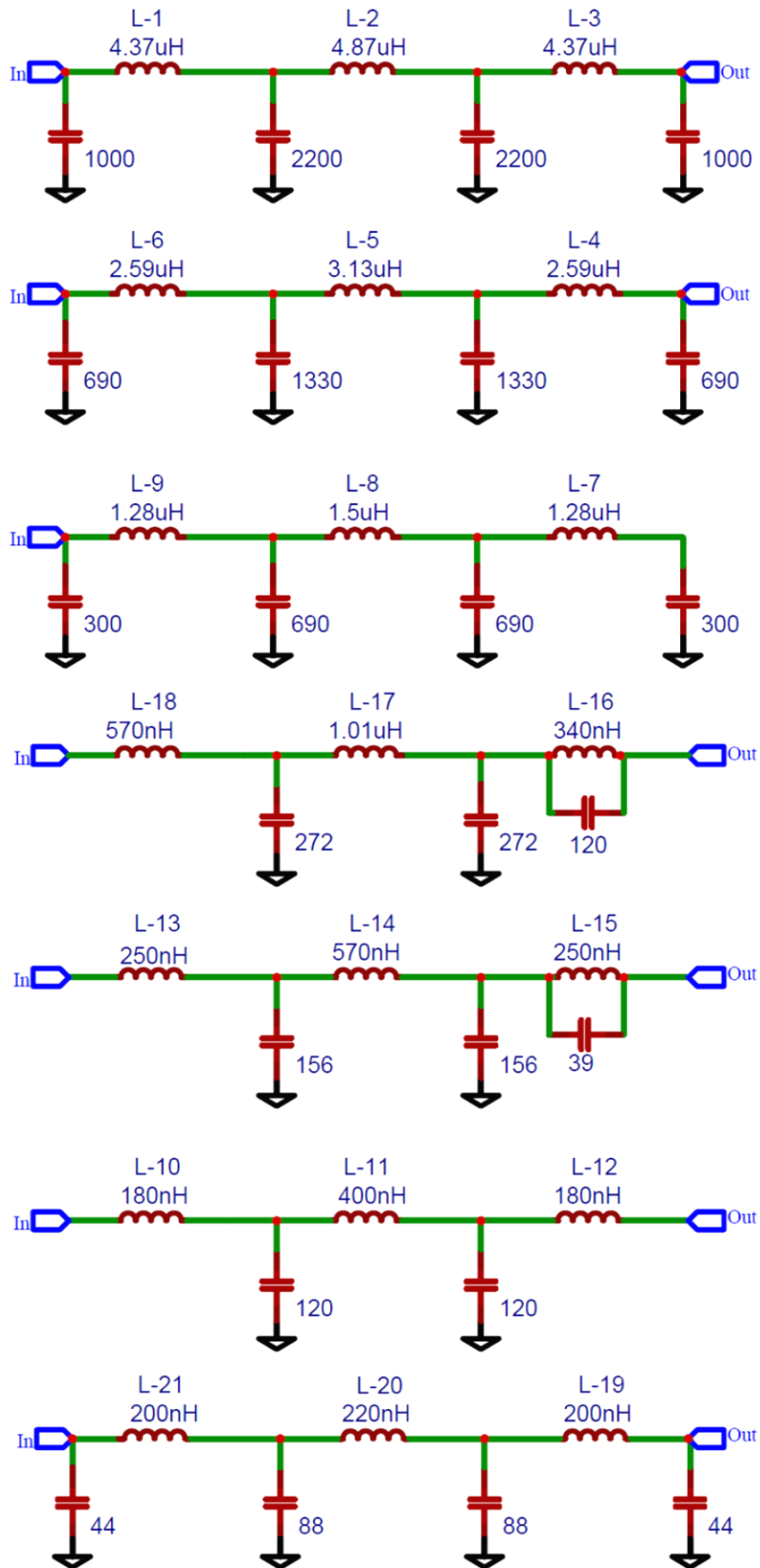


2x6 IDC Connector

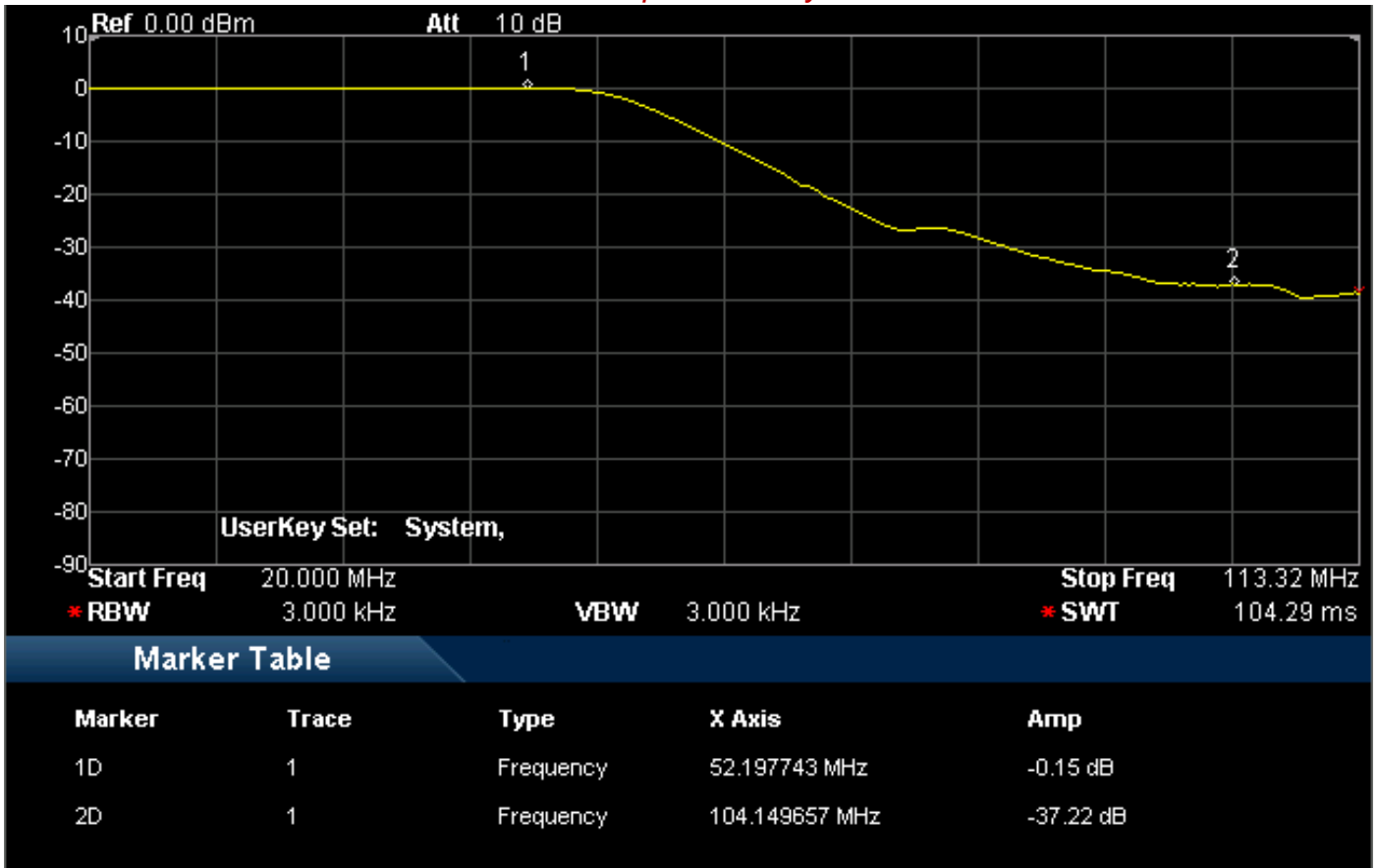
1	12V 100mA required	2	No connections
3	Pin to ground; 6M	4	GND
5	Pin to ground; 10/12M	6	Pin to Ground; 75/80M
7	Pin to ground; 15/17M	8	ALC, Linear Output VDC -12V
9	Pin to ground; 20/30M	10	FWD, Linear Output VDC 12V
11	Pin to ground; 40/60M	12	REF, Linear Output VDC 12V

Note: 160M by default if no segment connected.

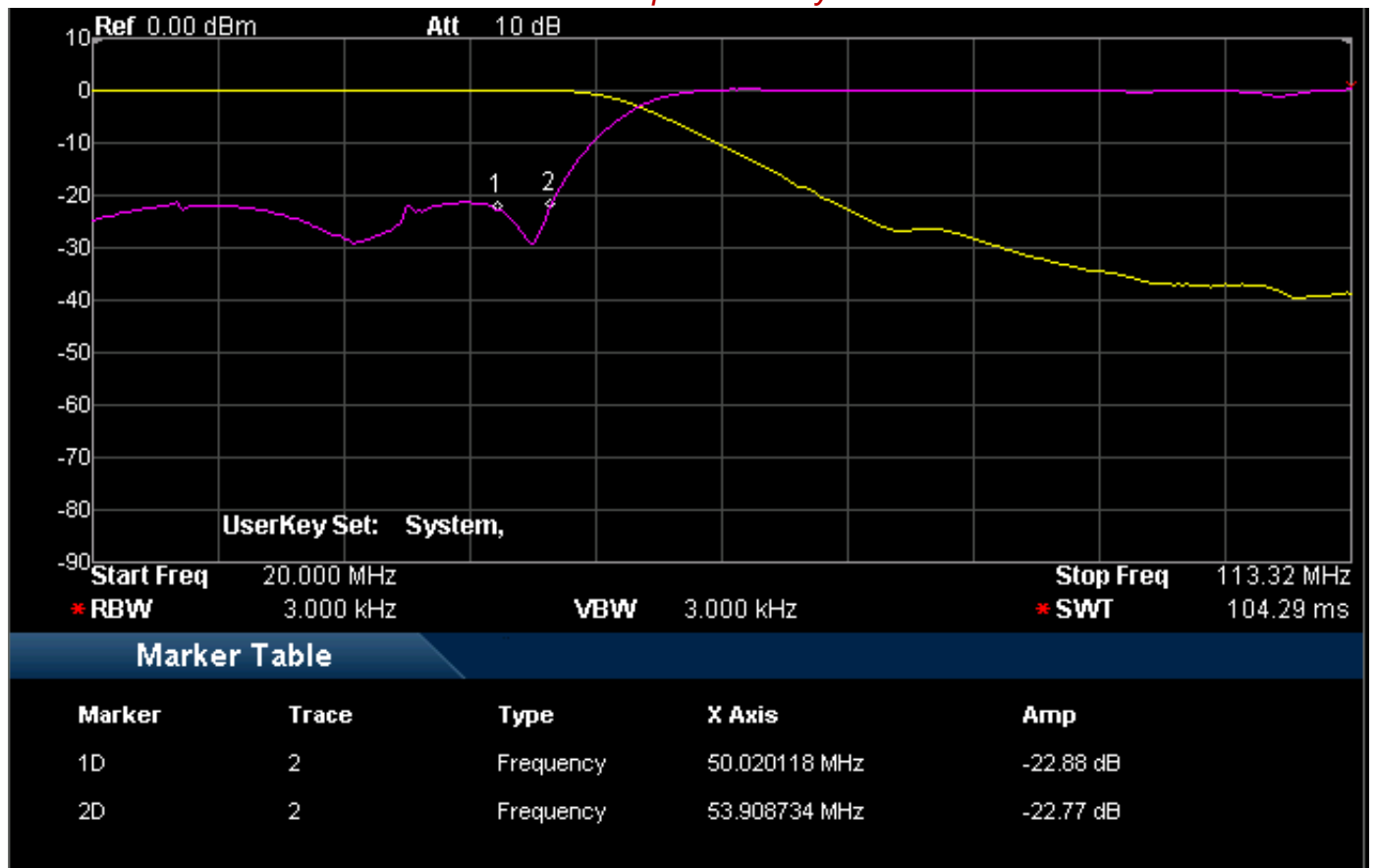
Schematic Design



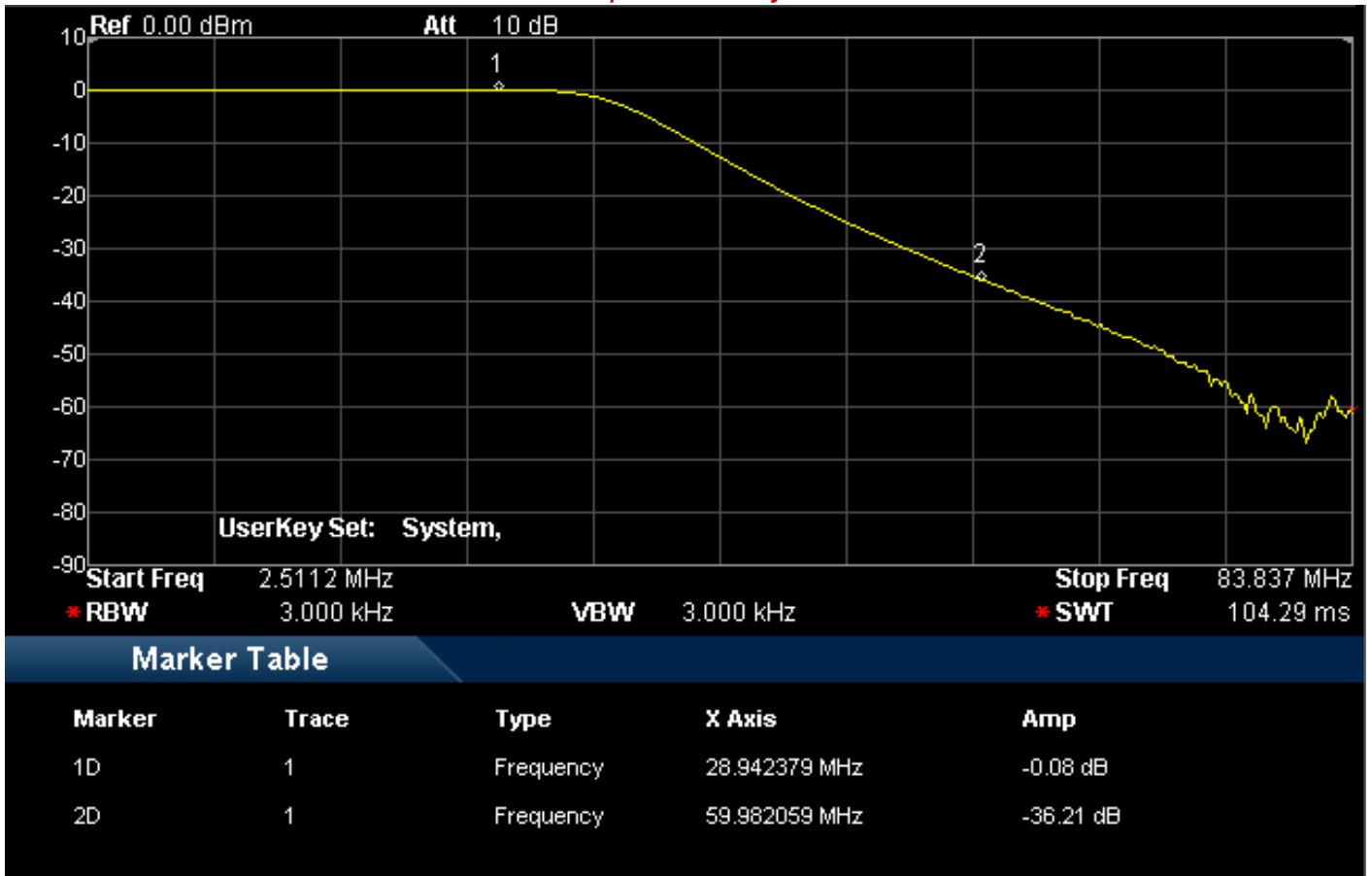
Band Pass spectral analysis 6M



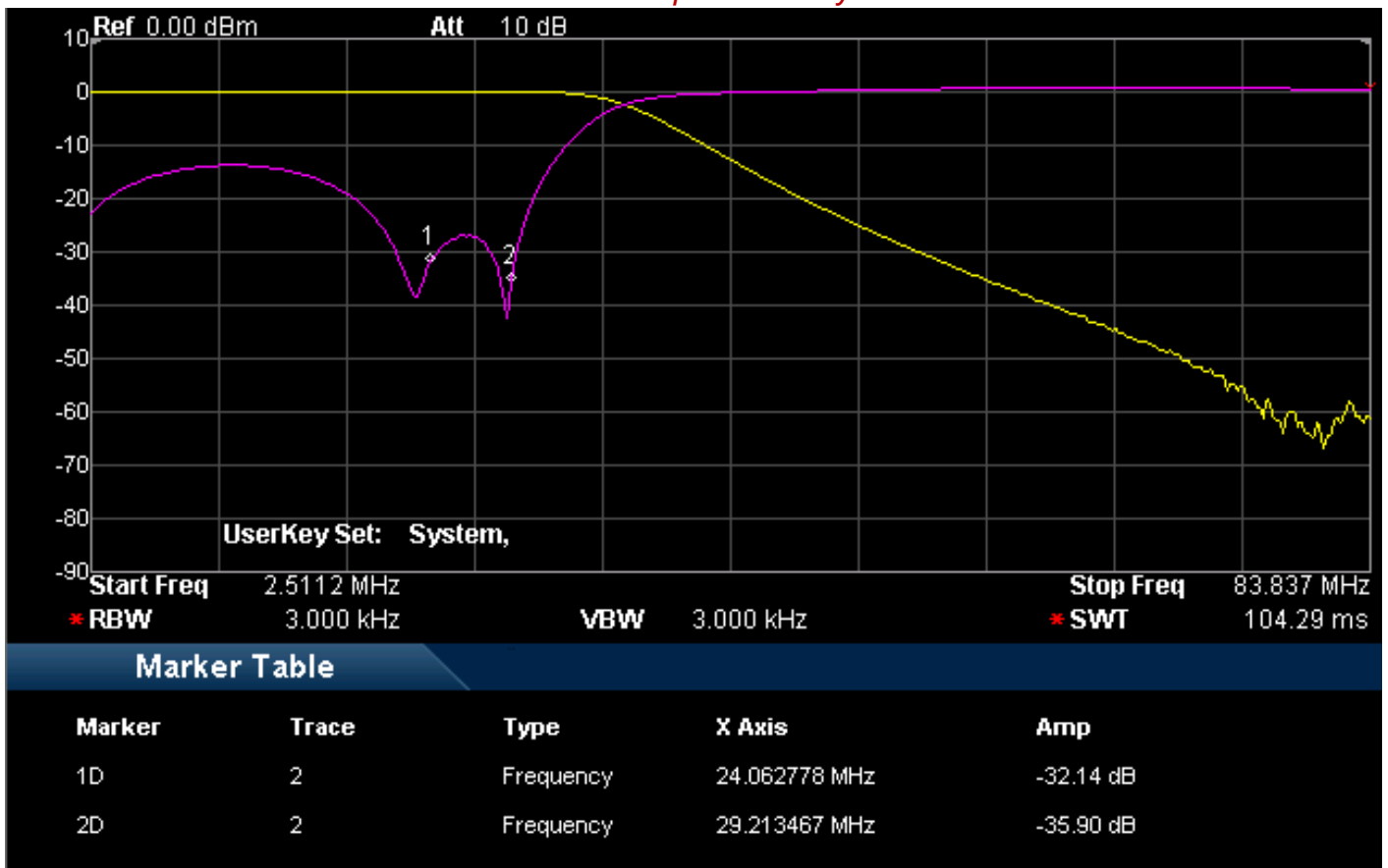
Return Loss spectral analysis 6M



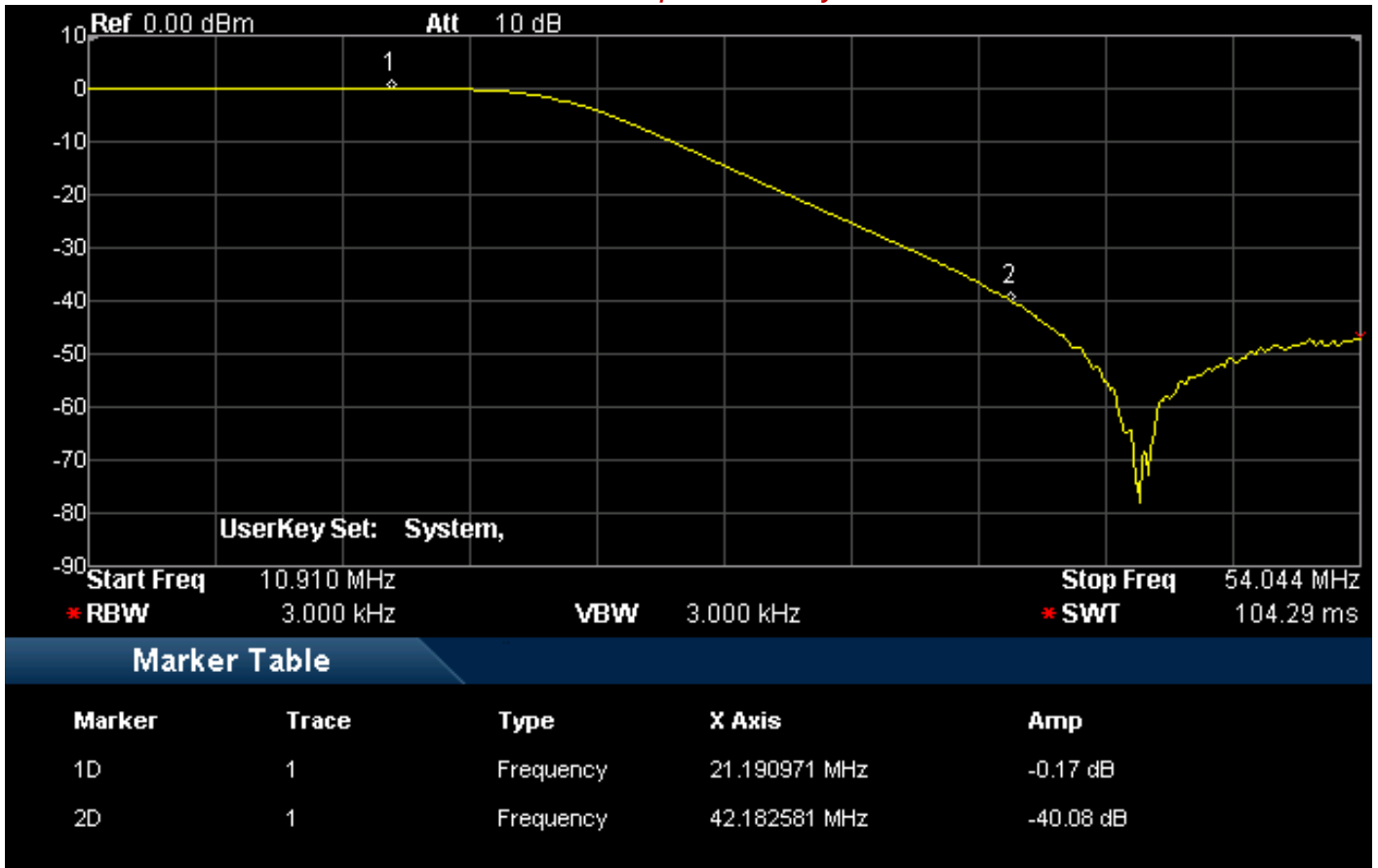
Band Pass spectral analysis 10/12M



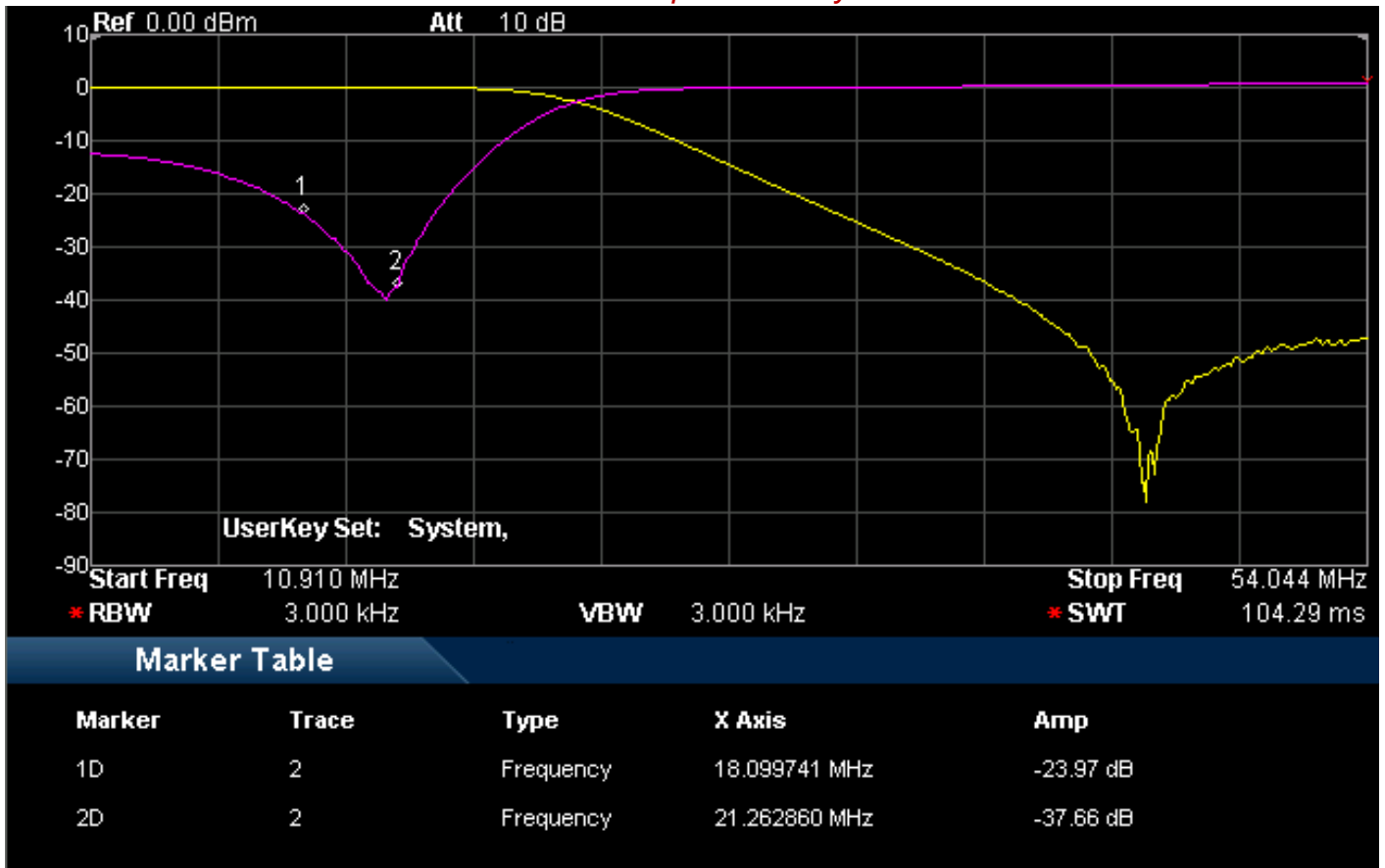
Return Loss spectral analysis 10/12M



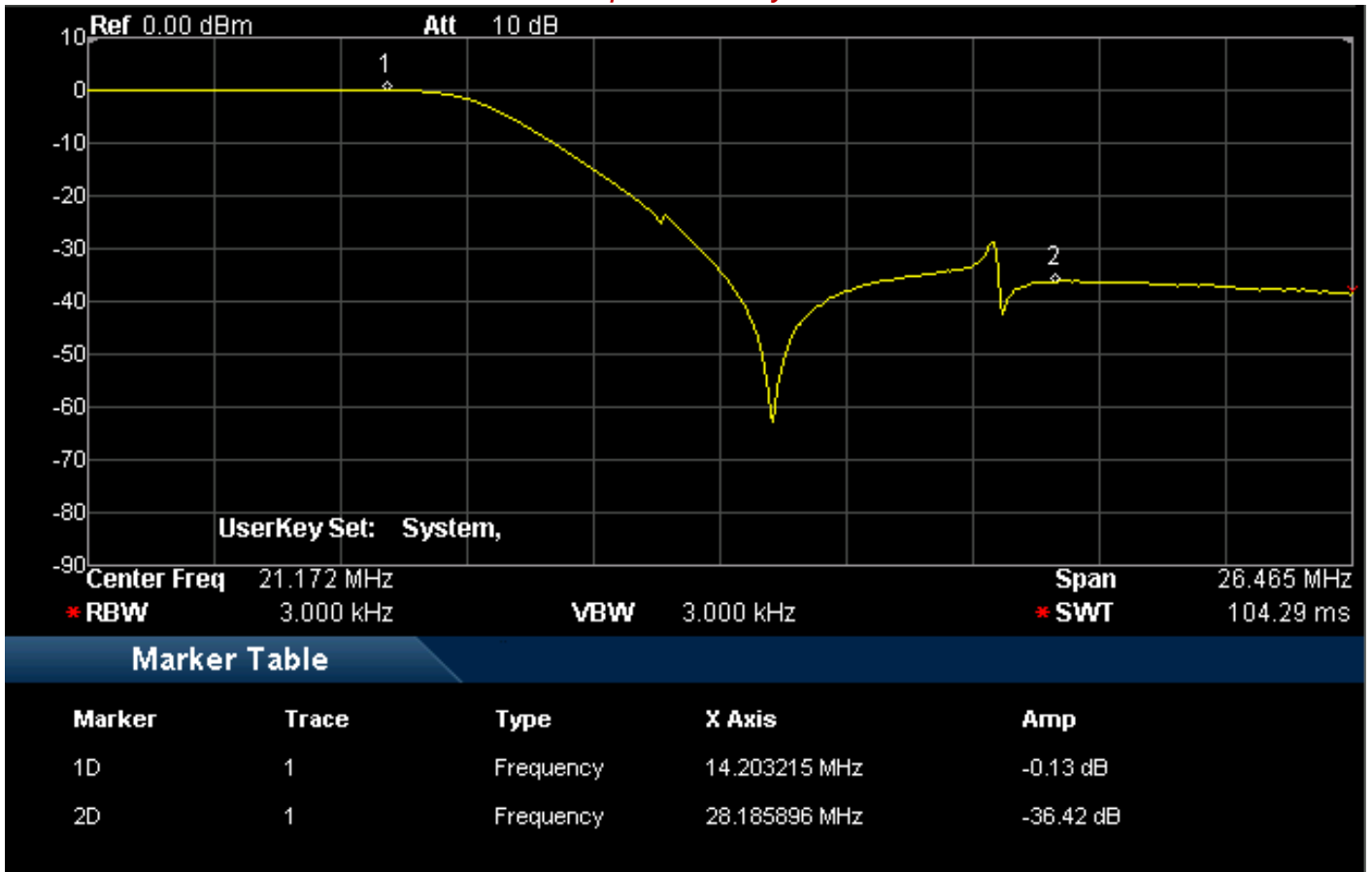
Band Pass spectral analysis 15/17M



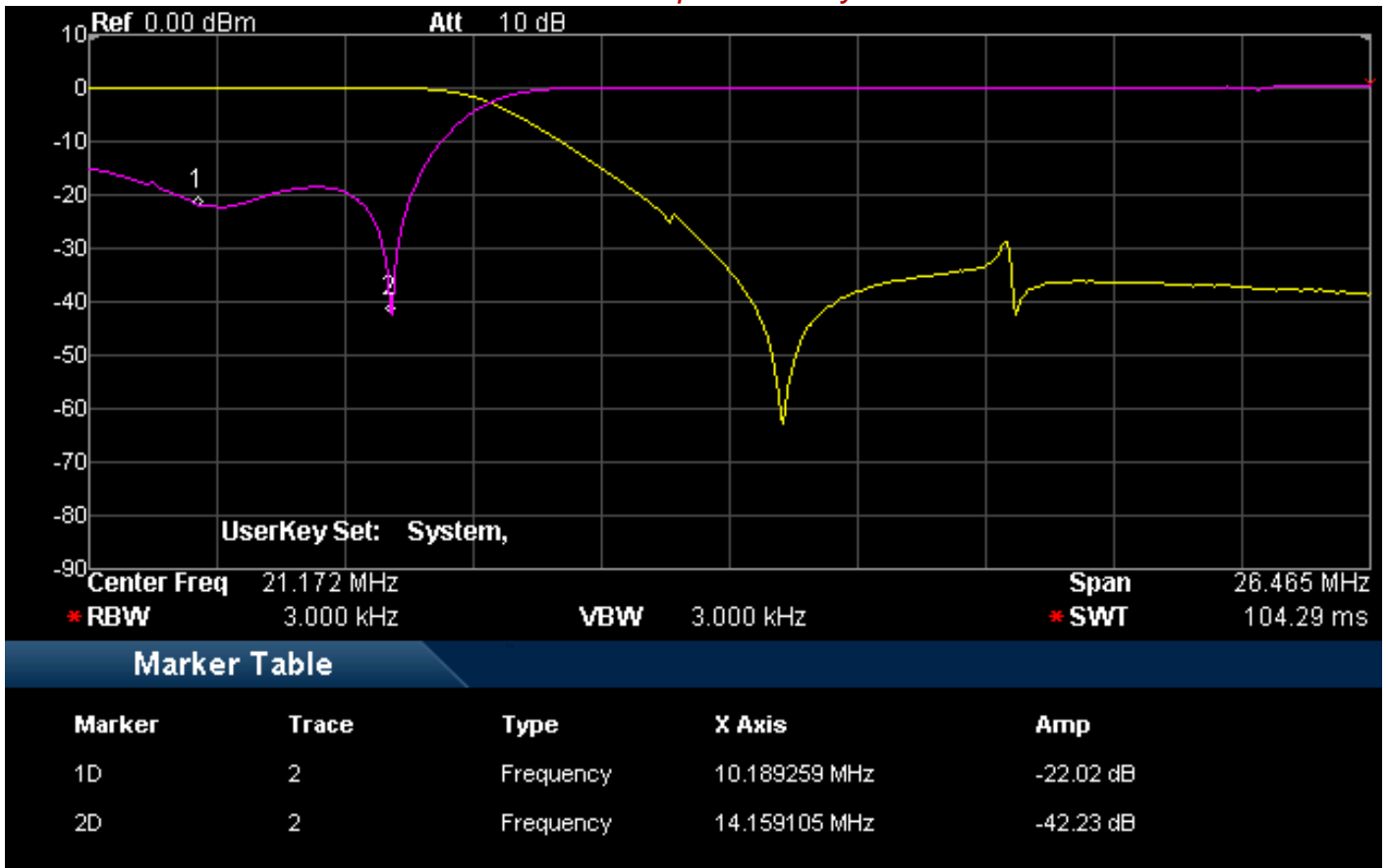
Return Loss spectral analysis 15/17M



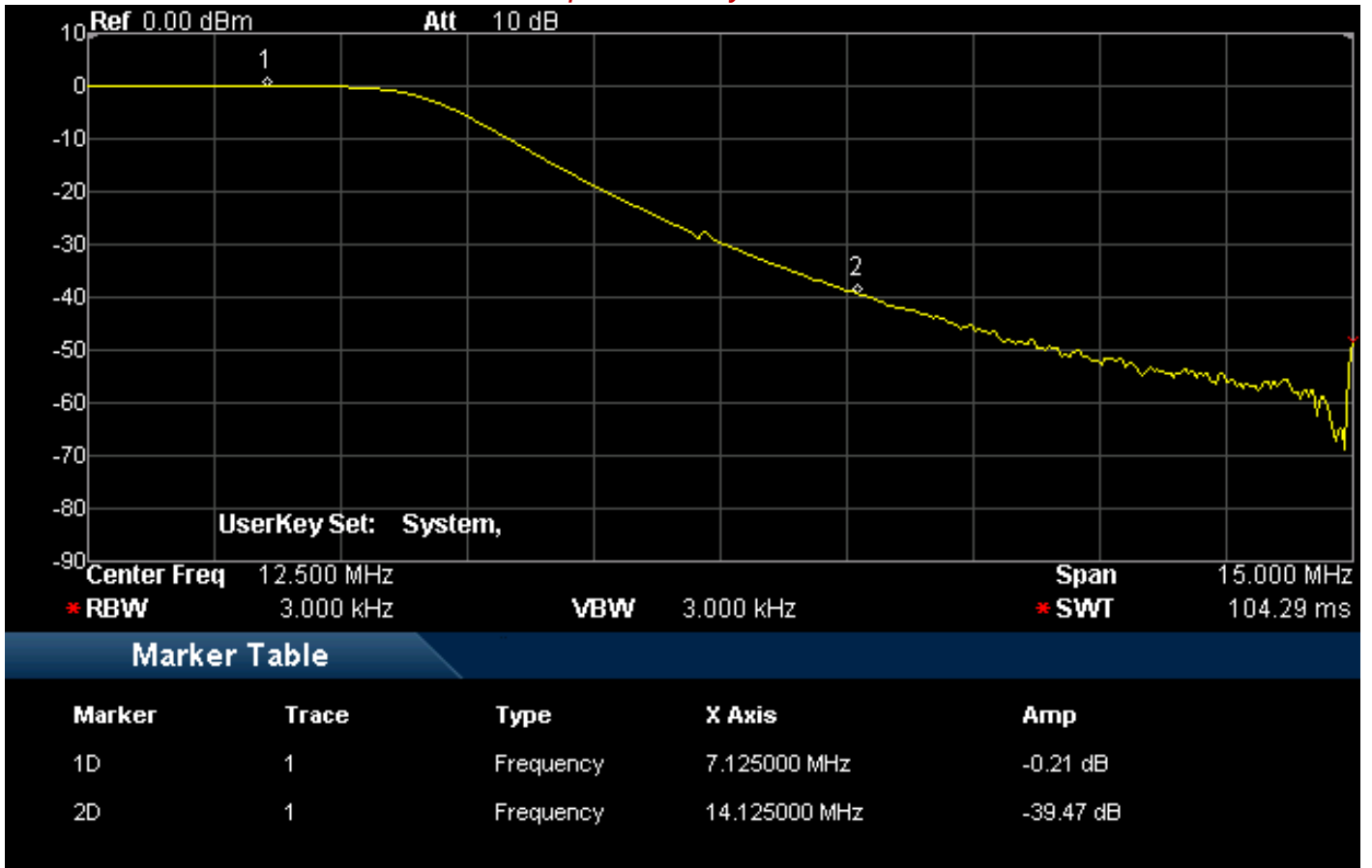
Band Pass spectral analysis 20/30M



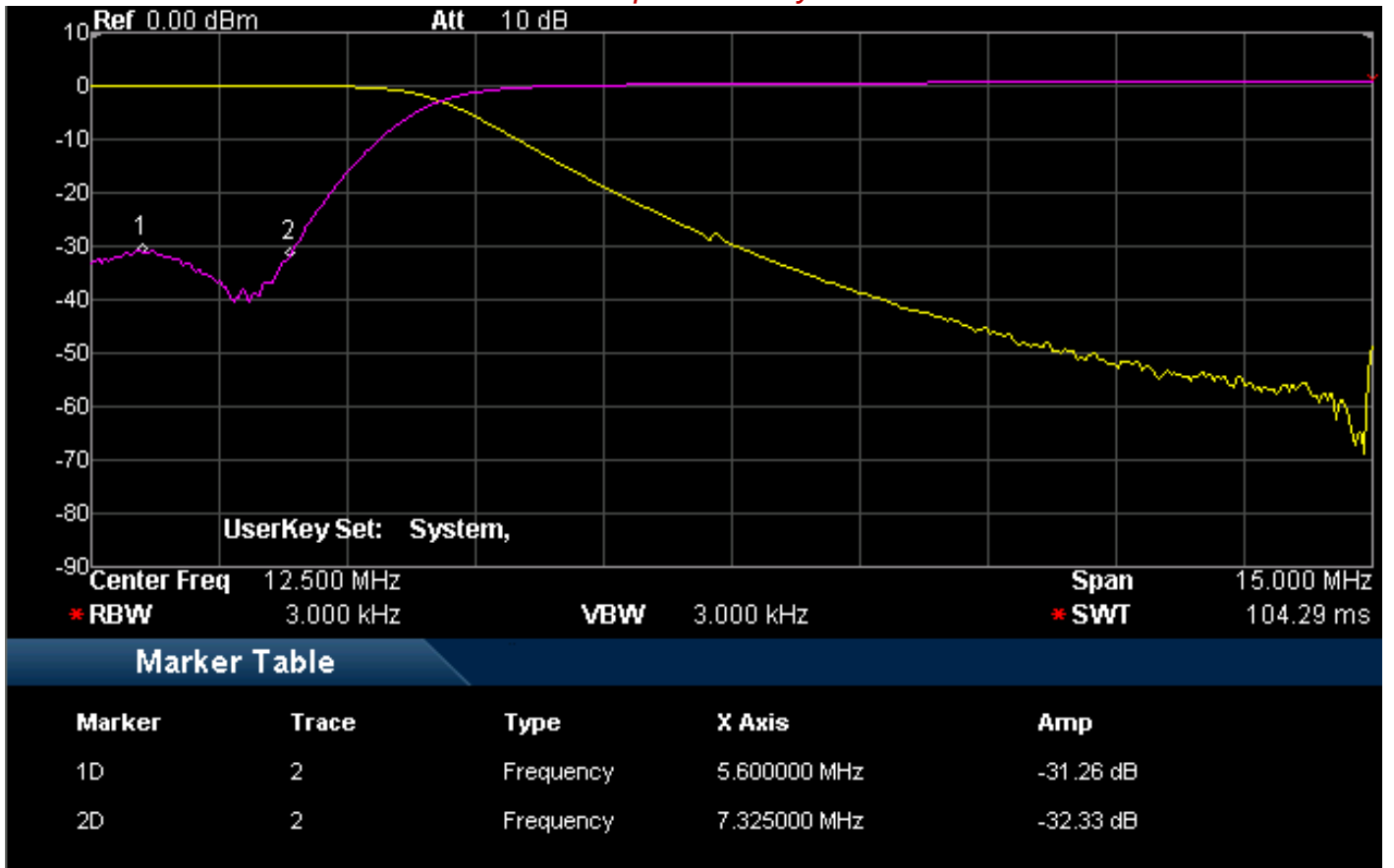
Return Loss spectral analysis 20/30 Meters



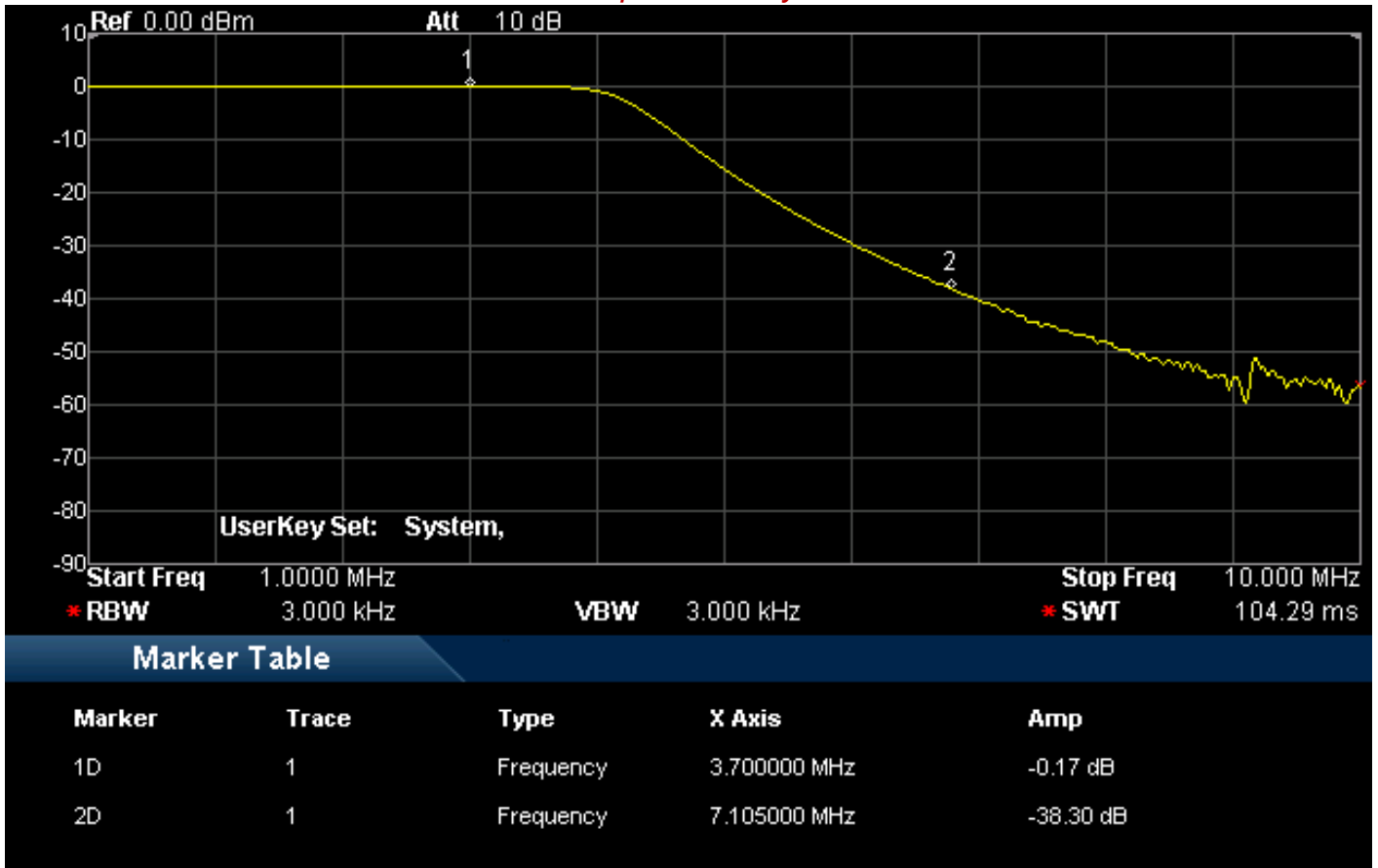
Band Pass spectral analysis 40/60 Meters



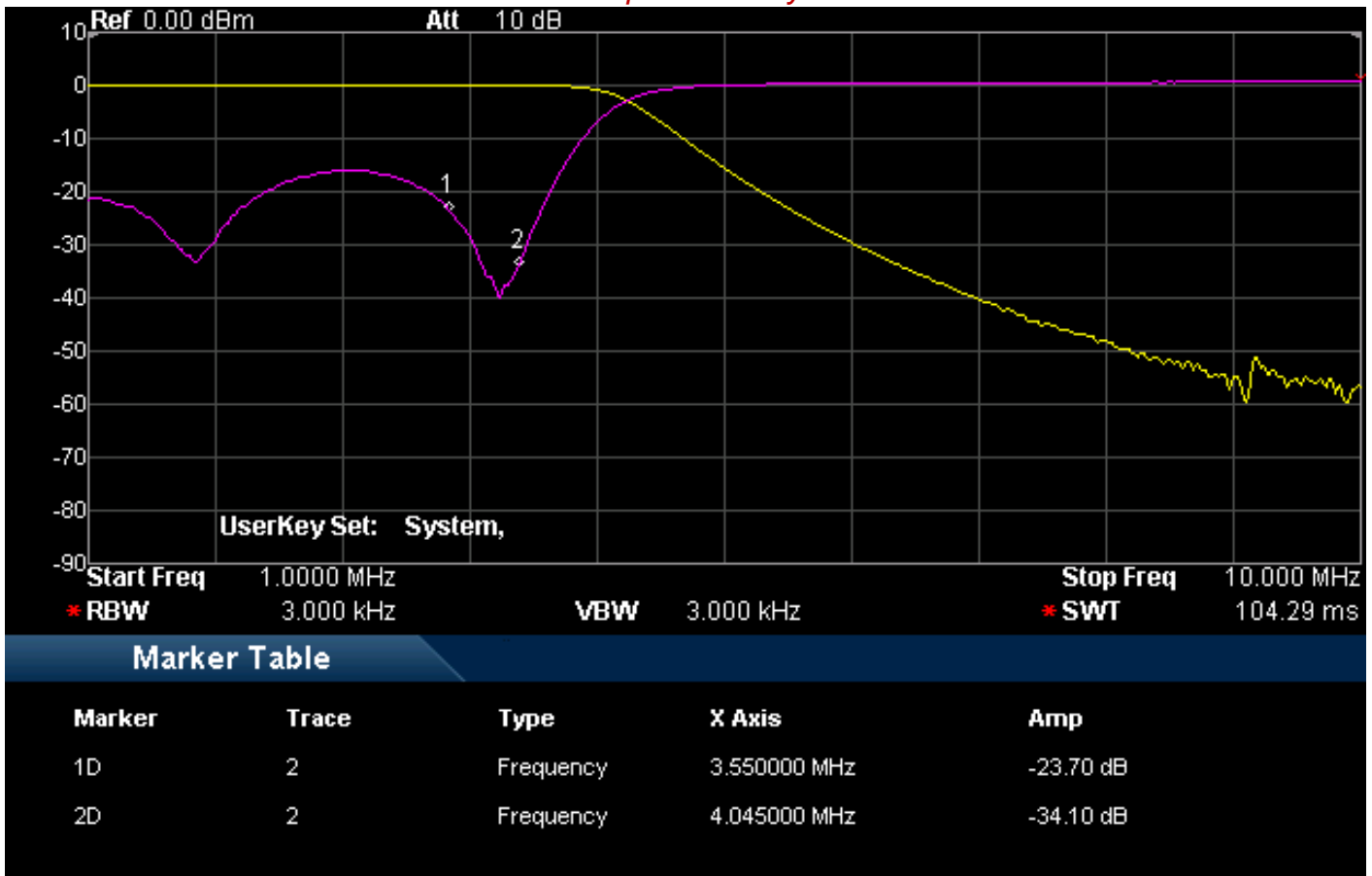
Return Loss spectral analysis 40/60 Meters



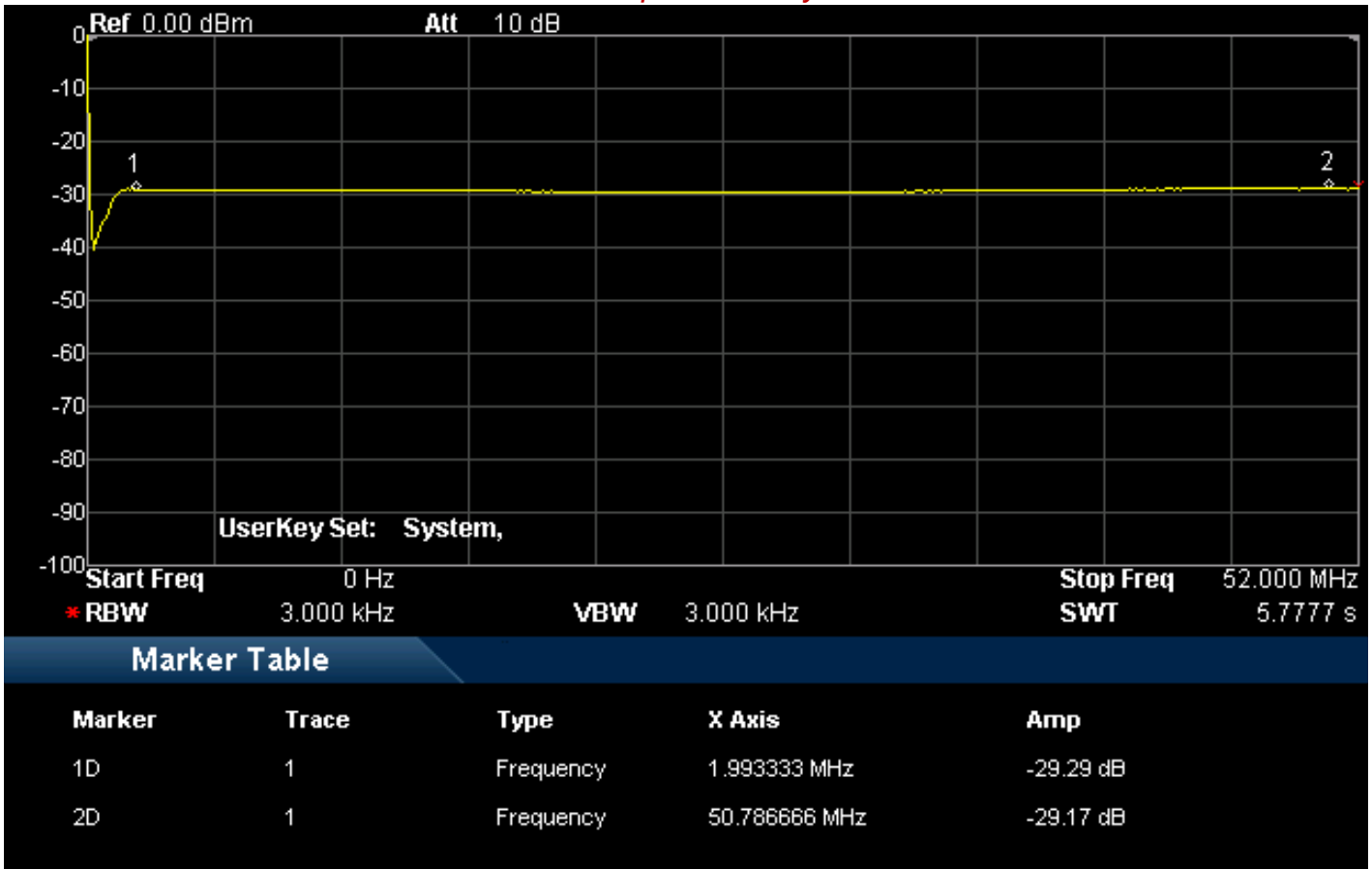
Band Pass spectral analysis 75/80 meters



Return Loss spectral analysis 75/80 Meters



Coupler Linearity



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Please follow all FCC rules and regulations regarding radio operation in your area.

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