



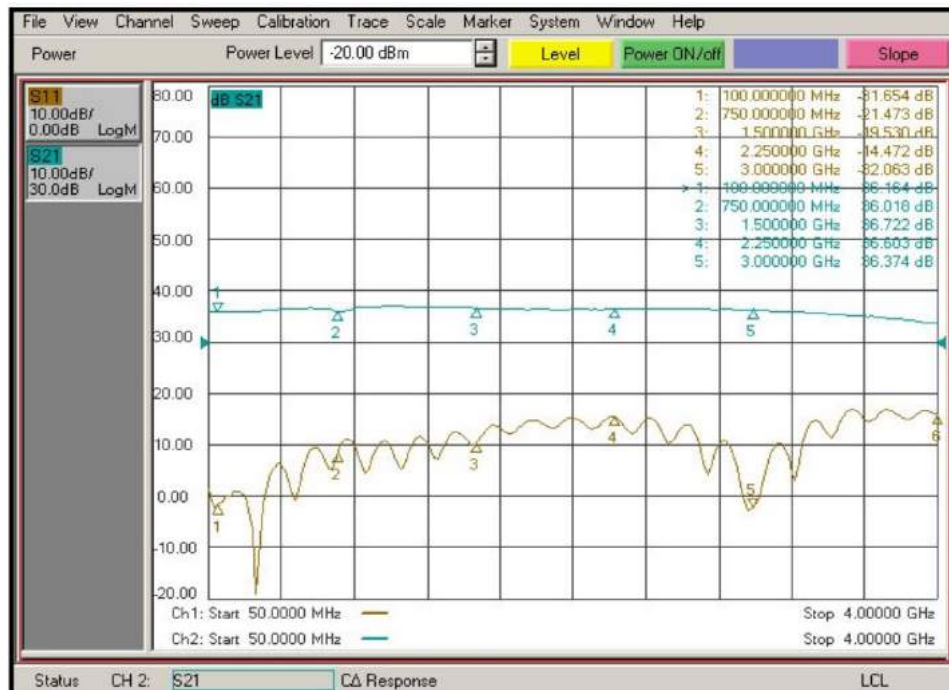
MAXWELLON MX197X

500kHz to 40GHz
EMC Test Power Amplifier
2023

The MX197X EMC Test Power Amplifier cover a frequency range from 500kHz to 40 GHz. They utilize thin-film hybrid integration technology, offering features such as broad frequency bandwidth, low noise, and excellent consistency. Additionally, these amplifiers have the advantages of compact size, lightweight design, affordability, short delivery cycles, and high performance.

■ Key Feature

- **Frequency Range:** 500kHz to 40 GHz - The MX197X series is designed to operate across a wide frequency spectrum, making it versatile for various applications.
- **Thin-Film Hybrid Integration:** This technology ensures a compact design, low noise, and good consistency in performance.
- **Compact and Lightweight:** The amplifiers are characterized by their small physical footprint and lightweight construction, enhancing their suitability for different applications.
- **Affordability:** The MX197X series provides cost-effective solutions, making it accessible for a range of applications without compromising on performance.
- **Short Delivery Cycles:** The amplifiers offer quick turnaround times, which can be crucial for projects with tight schedules.
- **High Performance:** Despite their small size and affordability, the MX197X series maintains high performance, meeting the requirements of applications in radar, electronic warfare, communication systems, and more.
- **Versatile Applications:** Suitable for ground-based, shipborne, airborne, and other equipment requirements, the MX197X series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.



■ Specification

| Model | Min | Max | Gain (dB) | P1 (dBm) | NF (dB) | Gain Flatness (±dB) | VSWR | Operating Voltage | Connector | Dimensions (mm) |
|--------|---------|---------|--------------|-------------|------------|------------------------|------|----------------------|-----------|--------------------|
| MX1970 | 500KHz | 500MHz | 35 | 33(2W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1971 | 800MHz | 2.5GHz | 26 | 30(1W) | - | 1.0 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1972 | 900MHz | 2.6GHz | 27 | 33(2W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1973 | 200MHz | 3GHz | 36 | 36(4W) | - | 2.0 | 2.5 | 220V | SMA-K | 250*204*48 |
| MX1974 | 500MHz | 6GHz | 28 | 30(1W) | - | 2.0 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1975 | 3GHz | 6GHz | 36 | 36(4W) | - | 2.0 | 2.5 | 220V | SMA-K | 250*204*48 |
| MX1976 | 6GHz | 18GHz | 30 | 34(2.5W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1977 | 18GHz | 26.5GHz | 30 | 30(1W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*205*48 |
| MX1978 | 26.5GHz | 33GHz | 25 | 28(1W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*204*48 |
| MX1979 | 33GHz | 40GHz | 25 | 28(1W) | - | 1.5 | 2.0 | 220V | SMA-K | 250*204*48 |



Maxwellon Electronic Instruments Co.,LTD.

Factory: No.6 Xiangjiang Road, Qingdao 266000, China
Tel: 0086 13816527810

Sales Office: NO.153 Zhuzhou Rd.,Laoshan District, Qingdao 266100, China.
Tel: 0086-532-80977508
Fax: 0086-532-80977508

Sales: Sales@Maxwellon.com
Web: www.maxwellon.com