

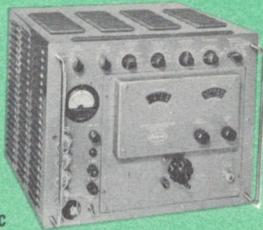
MICROWAVE SIGNAL GENERATION

**Complete Coverage
650 to 11,500 mc.**

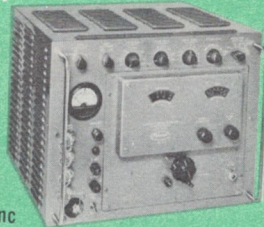
Each Polarad Microwave Signal Generator is equipped with the unusually simple UNI-DIAL control that tracks reflector voltages automatically while tuning continuously. Frequency, accurate to $\pm 1\%$, is read directly on the single frequency dial. These rugged instruments include internal modulation, pulse and FM; internal square wave modulation; synchronization outputs, delayed and undelayed; provision for multi-pulse modulation input; provision for external modulation and synchronization; variable attenuator calibrated directly in dbm; engineered ventilation to insure specification performance over long operating periods.

SIGNAL GENERATORS

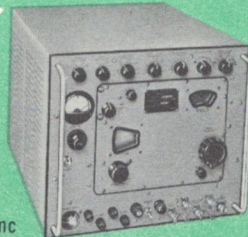
Model MSG-1
950-2,400 mc



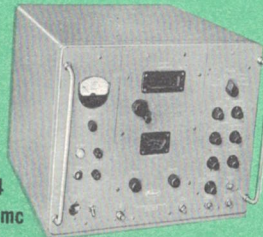
Model MSG-2
2,150-4,600 mc



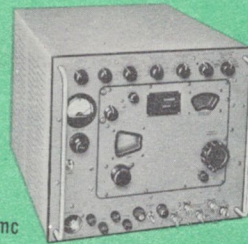
Model MSG-3
4,450-8,000 mc



Model MSG-34
4,200-11,000 mc



Model MSG-4A
6,950-11,500 mc



650 mc



TV 12-1330

650

1,000

2,000

3,000

4,000

5,000

6,000

7,000

8,000

9,000

10,000

11,000

11,500

11,500 mc

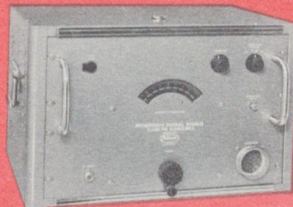
SIGNAL SOURCES



Model SSX-A*
7,850-10,750 mc



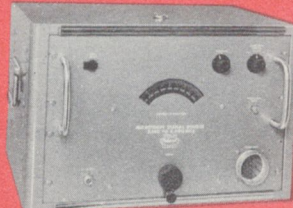
Model SSM-A
4,450-8,000 mc



Model SSS
2,140-4,600 mc



Model SSL
1,050-2,250 mc



Model SSR
650-1,300 mc

These Polarad Microwave Signal Sources are direct reading and continuously tuned with Polarad's UNI-DIAL control that automatically tracks the reflector voltage as the klystron cavity is being tuned. Maximum power output is assured throughout the entire range of each instrument by means of a power set control.

For improved stability, a klystron tube is in an external precision cavity. All Polarad Signal Sources can be externally modulated with either square wave or FM signals.

* (Model SSX-E 7,850-11,500 available on special order)

MICROWAVE SIGNAL GENERATION

**Complete Coverage
12,400 to 50,000 mc**

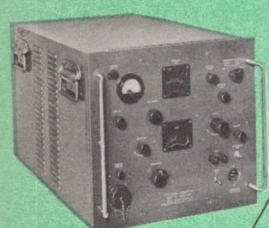
EHF Microwave Signal Generators

- A completely integrated self-contained signal generator covers 12,400 to 17,500.
- 7 plug-in r-f tuning units and a basic unit cover the frequency range from 18,000 to 39,700 mc.
- Direct-reading calibrated output attenuator, accuracy ± 2 db.
- Frequency calibration accomplished by a $\pm 0.1\%$ direct-reading wavemeter.
- Internal 1000 cps square-wave modulation.
- Capable of external modulation, both pulse and FM.
- Equipped with integral electronically-regulated power supplies.

SIGNAL GENERATORS

50,000 mc

12,400 mc



HU BAND



Basic Unit
Model HU-2 and
Plug-In Tuning Unit
Model G2730-1
27,270-30,000 mc

Plug-In Tuning Unit
Model G2427-1
24,500-27,500 mc

Plug-In Tuning Unit
Model G2225-1
22,000-25,000 mc

Plug-In Tuning Unit
Model G1822-1
18,000-22,000 mc

Plug-In Tuning Unit
Model G3033-1
29,700-33,520 mc

Plug-In Tuning Unit
Model G3336-1
33,520-36,250 mc

Plug-In Tuning Unit
Model G3540-1
35,100-39,700 mc

K BAND

25,000

30,000

35,000

40,000

45,000

50,000

SIGNAL SOURCES

EHF Microwave Signal Sources

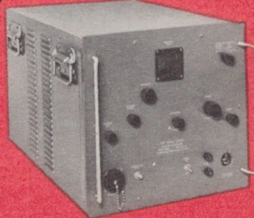
- A completely integrated self-contained signal source covers 12,400 to 17,500 mc.
- 9 plug-in r-f tuning units and a basic unit cover the frequency range from 18,000 to 50,000 mc.
- Internal 1000 cps square-wave modulation.
- Capable of external modulation, both pulse and FM.
- Equipped with integral electronically-regulated power supplies.
- Frequency calibration accomplished by a $\pm 0.1\%$ direct-reading wavemeter.

POLARAD ELECTRONICS CORPORATION

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REPRESENTATIVES: Abington, Albany, Atlanta, Baltimore, Boeing Field, Chicago, Cleveland, Dayton, Denver, Detroit, Englewood, Fort Worth, Kansas City, Los Angeles, Portland, Rochester, St. Louis, Stamford, Sunnyvale, Syracuse, Washington, D. C., Westbury, Westwood, Wichita, Winston-Salem, Canada: Arnprior, Ontario. Resident Representatives in Principal Foreign Cities.

Model SS-1218
Signal Source
12,400-17,500 mc



Plug-In Tuning Unit
Model S1822-1
18,000-22,000 mc

Plug-In Tuning Unit
Model S2225-1
22,000-25,000 mc

Plug-In Tuning Unit
Model S2427-1
24,500-27,500 mc

Plug-In Tuning Unit
Model S2730-1
27,270-30,000 mc

Basic Unit
Model HU-1 and
Plug-In Tuning Unit
Model S3033-1
29,700-33,520 mc

Plug-In Tuning Unit
Model S3336-1
33,520-36,250 mc

Plug-In Tuning Unit
Model S3540-1
35,100-39,700 mc

Plug-In Tuning Unit
Model S3742-1
37,100-42,600 mc

Plug-In Tuning Unit
Model S4150-1
41,700-50,000 mc