

SAFETY!

DO NOT ALLOW AC VOLTAGE TO ENTER "F" CONNECTOR RF OUTPUT PORT.

USE an AC BLOCKING DEVICE



DAMAGE FROM VOLTAGE IS NOT COVERED BY WARRANTY

This Device uses a Lithium Battery

Use Common Industry Practices when Storing or Disposing

Liquids - Do Not Submerge or Expose the Device to Liquid

USB C charging port input is +5 VDC

SPECS

Output	
F Connector	75ohm *DO NOT ALLOW AC VOLTAGE TO ENTER "F" PORT
Frequency range	5~204 MHz
Step bandwidth	1MHz to 12MHz
Power Level	Typ.+40 dBmV
Input	
USB Type C	+5 VDC For Charging and USB-C updates
Battery	
Typical battery life	Approx. 9hrs continuous
Type	Rechargeable Lithium-ion
General	
Display	High-brightness color LCD - 2.4"
Dimensions	8 7/16" X 4" X 2" w/ F port
Environmental For Operating	Temperature: -20°F - 131°F -28°C - 55°C Humidity: 10%-85% non-condensing
Warranty Period	2 years (Damage from AC Voltage excluded)

CONTACT

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www.maxcomcorp.com

877-330-5333

maxcom Model
MX-RFSG204



Quick Start Guide

**Compact Portable
Sweep and
4 Carrier Upstream
Signal Generator**

www.maxcomcorp.com

Intended use

MX-RFSG204

The device is a highly integrated RF signal/sweep generator specifically designed for Cable Telecommunication Technicians working in the HFC environment. Its small size, portability and long-lasting battery power can easily assist the technician to quickly identify network issues when performing upstream network bandwidth upgrades, equipment upgrades, or plant performance and proofing.

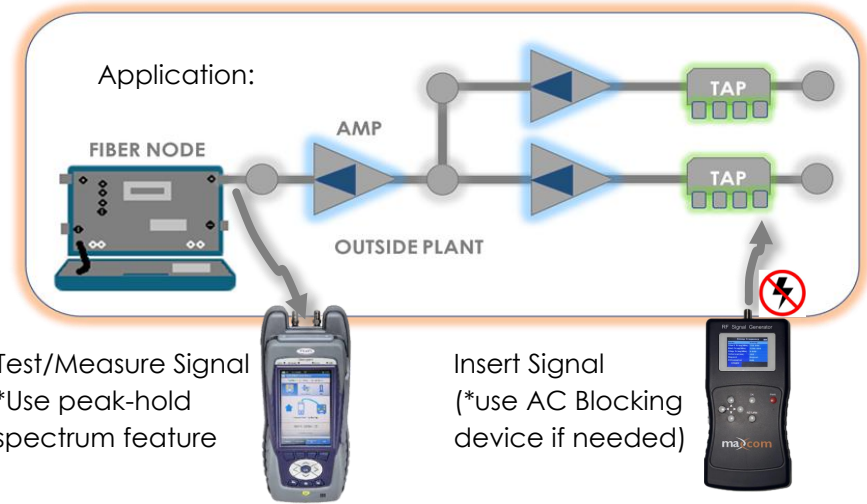
By injecting this signal source into the plant with this device, it allows the user to insert RF signals at specified frequencies (5 to 250 MHz). This allows the technician the opportunity to verify and validate the coax, diplexers, active devices, and passives are capable of properly passing the desired frequencies in the upstream path. A valuable tool that allows the technician to Balance and "Proof" the network by recording the signal performance recorded.

A necessary tool that provides an excellent solution critically needed for troubleshooting defective network equipment, or other anomalies such as "suck-outs", "roll-off", and other network signal ailments and impairments.

- 1. RF output
- 2. LCD Screen
- 3. Power on/off
- 4. Directional keys (up, down, left, right)
- 5. OK (To Confirm)
- 6. Return (Escape)



- PWR** Power on/off. Press 3 seconds to power off.
- OK** Confirm the current operation. To save changes, select "START" then press OK key.
- RETURN** When changed prior to pressing "START", pressing "RETURN" will return to previous settings.
- ▲▼** Move cursor up/down or change frequency.
- ◀▶** Move cursor right/left or change options of current menu item.



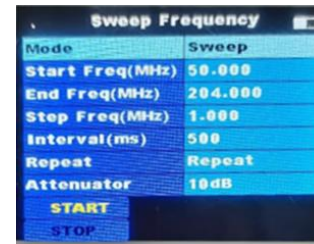
Test/Measure Signal
*Use peak-hold spectrum feature

Insert Signal
(*use AC Blocking device if needed)

*Note. Signal Generator may be injected at any part of the plant as needed for reverse path (upstream) testing

LCD NAVIGATION and OPERATION

LCD Menu



Mode 1	Sweep
Start Freq	Start frequency, 5-250MHz
End Freq	End frequency, 5-250MHz
Step Freq	Step Frequency, select 1/3/6/9/12MHz
Interval	Output dwell time, 100~1000ms
Repeat	Once or Repeat, scan once or repeatedly
Attenuator	0,5,10 attenuation selection available
START	When settings are modified ,select "START" and press OK key to save the changes. Device will start to transmit RF signal with this command
STOP	When selecting "STOP", press OK key, device will stop signal transmitting RF.
Mode 2	1 to 4 CW Carriers
Frequency	Each CW Frequency (up to 4), 5-250MHz
Attenuator	0, 5, 10 attenuation selection
Shutdown Time:	Never, 10mins, 30mins
START	When settings are modified ,select button "START" then press OK key to save the changes. Device will start to transmit RF signal with this command
STOP	When selecting "STOP", then pressing "OK", device will stop RF signal transmitting.