



**Model AS18021-UG-40
AS18021 Upgrade**

The AS18021-UG-40 upgrade has been designed to extend the frequency range of the AS18021 to 40 GHz. The AR RF/Microwave Instrumentation listed below is housed within the air conditioned, EMI shielded equipment racks or on the antenna mast of the AS18021 system. Please refer to individual product specification sheets for details.

Model AS18021-UG-40 equipment list:

- Model 130T18G26z5BM4, 18–26.5 GHz, 130W CW (Rack 2)
- Model 130T26z5G40BM4, 26.5–40 GHz, 130W CW (Rack 2)
- Model SC1000M4, System Controller, DC–40 GHz (Rack 1)
- Model DC7530 Dual Directional Coupler, 18–26.5 GHz, 300 Watt (Rack 2)
- Model DC7620 Dual Directional Coupler, 26.5–40 GHz, 200 Watt (Rack 2)
- Model ATH18G27 High Gain Horn Antenna, 18–26.5 GHz, 350 Watts
- Model ATH26G40 High Gain Horn Antenna, 26.5–40 GHz, 240 Watts
- All internal Interconnect cables between system components

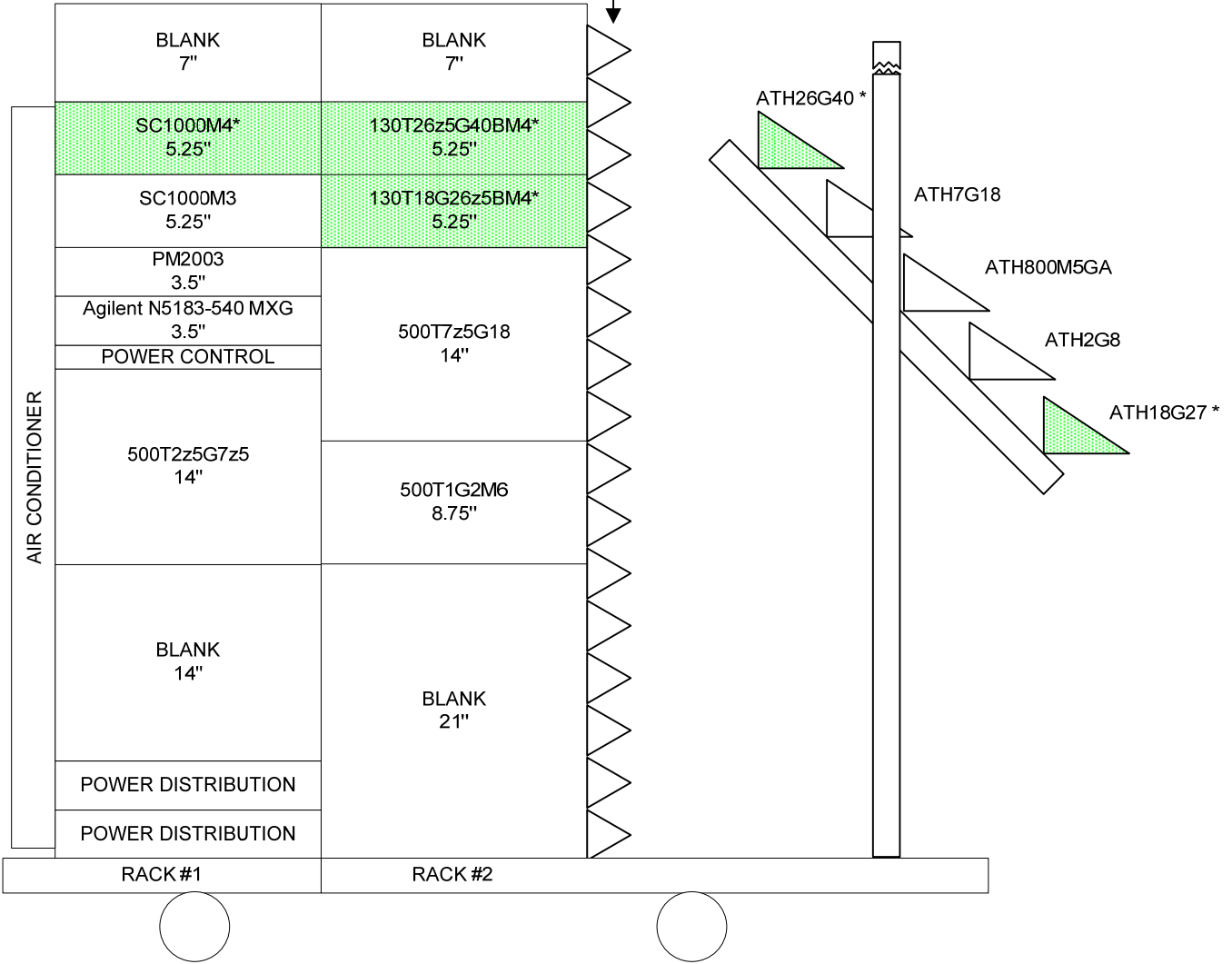
AS18013 with AS18013-UG-40 EMI/RFI Shielded, Air Conditioned, Rack Specifications:

| | Rack 1 | Rack 2 | Base Assembly |
|------------------|---|---|--|
| Size (H x W x D) | 67.08 x 22.06 x 36.40 in (170.38 x 56.03 x 92.46 cm) | 67.08 x 22.06 x 36.40 in (170.38 x 56.03 x 92.46 cm) | 12.0 x 41.5 x 96 in (30.5 x 105.4 x 243.8 cm) |
| Total Weight | 375 lbs (170.5 kg) | 585 lbs (265.9 kg) | 400 lbs (181.8 kg) |

NOTE: Amplifiers can be disconnected from the system controller (SC1000M4) and used independently and simultaneously.

MODEL AS18021-UG-40

RF ABSORBER



*Shaded items included in this upgrade package.