



Linear 50W Ka-Band SSPA BUC for SATCOM Application

MODEL: UC-30A031A0-4750



PERFORMANCE

The transmitter provides a frequency translation of an L-band input to a Ka-band output. It features high linearity, low phase noise performance and high linear power.

Transmitter Characteristics:

Output Freq.	30.0 to 31.0GHz (other options available)
Input Freq.	1000 to 2000MHz (other options available)
Gain Range	55±2dB
Gain Variation	<±1.5 dB ptp over temperature
Gain Flatness	<±0.3dB ptp over 30MHz
Output P1dB	>48dBm (63W)
Output IP3	53.5dBm at 3dB Backoff
Group Delay Variation	<3 ns ptp max. over 30MHz
Output Mute	60 dB min.
Output Phase Noise	Independent from the 10MHz input reference. 10dB lower than Intelsat 308/309 from 10 Hz to 1 MHz

INTERFACE

External Reference Input:	
Frequency	10 MHz
Connector	50 Ohm SMA Female
Remote Monitor and Control:	
Interface	ETHERNET
Power Supply:	
Voltage	115V/750W max (and 220V).

Internal Reference Characteristics:

The transmitter automatically operates from its internal reference when the external reference is not present.

Frequency Stability	±2 x 10 ⁻¹⁰ /day
Frequency Variation	±1 x 10 ⁻⁷ over -30 to 60 °C

MECHANICAL

The radio is suitable for outdoor use in severe and mobile environments.

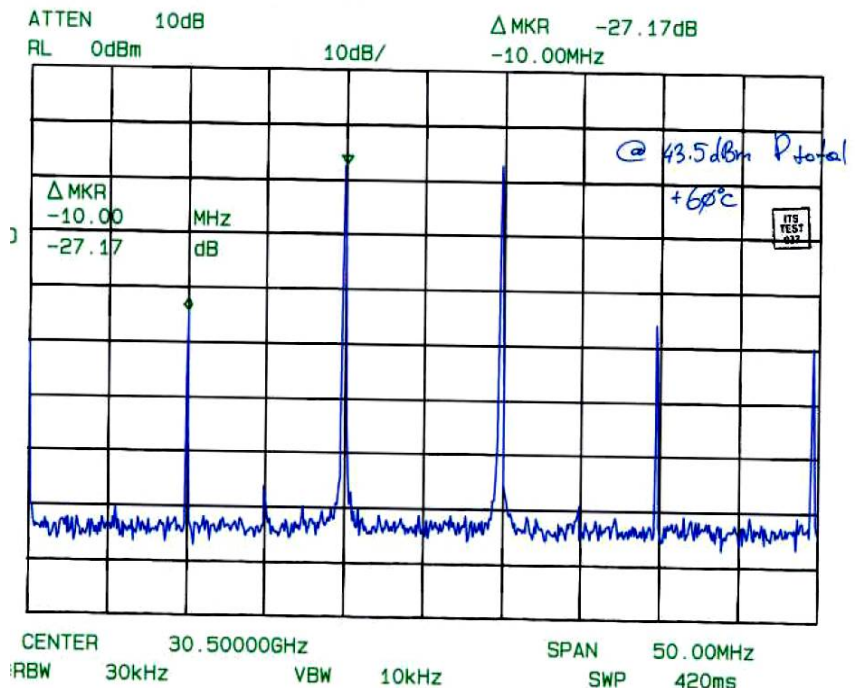
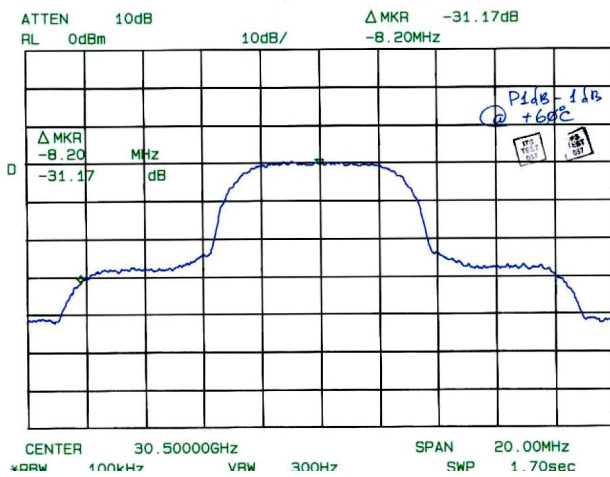
Dimensions	18" x 14.75" x 6.1"
Weight	33 lbs.

ENVIRONMENTAL

Operating Temperature: -40 to +60 °C

Specifications are Subject to Change without Notice
E & O E

STANDARDS: Compliant with MIL-STD 188-164A



Response, Innovation, Craftsmanship

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