

**E4436B-12**

# S E R V I C E N O T E

Supersedes:  
NONE

## ESG “B” Signal Generator E4436B

**Serial Numbers:** All units

**Output amplitude spikes at 396MHz and 628MHz of 2dB during step sweep mode**

**Parts Required:**

P/N	Description	Qty.
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NONE

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>INFORMATION ONLY</b>	
AUTHOR: PY	PRODUCT LINE: 15
ADDITIONAL INFORMATION:	

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**Situation:**

In step mode in range of 395MHz and 630MHz spikes of approximately 2dB amplitude can be observed using a spectrum analyzer. The spikes are at the switch points of the low pass filters in the Frac-N assembly. All ESG-AP and ESG-DP models are affected.

**Solution/Action:**

This is a firmware defect. ESG-AP and ESG-DP models are discontinued and the End of Support is 1-Nov-2010. No further firmware changes are anticipated to the current firmware B.03.86. The spikes at 396MHz and 628MHz are a characteristic of the design and cannot be eliminated, no repair is needed.