

## Triple Probe Tuner 13 May 2004

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I think we can use the Triple-Probe
Toner as a harmonic load Pull
toner too!
The toner is calibrated, say, at 400
points for fo, 2 fo and 3 fo, for
all 3 probes.
This vill take, say, 20 minutes!
The combined impedances are
400' = 64 Million.
If we want to true to a set of
impedances: \(\Gamma(\frac{1}{2}) = \Gamma\_2\) and
\(\Gamma(\frac{3}{2}) = \Gamma\_3\), then we create a tolevance mask: \(\Gamma\_2 + \Dig \Gamma\_3\), \(\Gamma\_2 + \Dig \Gamma\_3\)
and check the big matrix for
points, which satisfy these conditions
when we have a first solution
we then go around it and create
a finet grid around each point
at each frequeny and do a
re cond run for the closect solution. I think two iterations

## **History of a Product**

The first Idea... (May 2004)

Internal Memo of Christos Tsironis to Focus Engineers

The final Product

will be enough.

iMPT-1818-TC 1.8-18GHz uses 6 independent probes

