



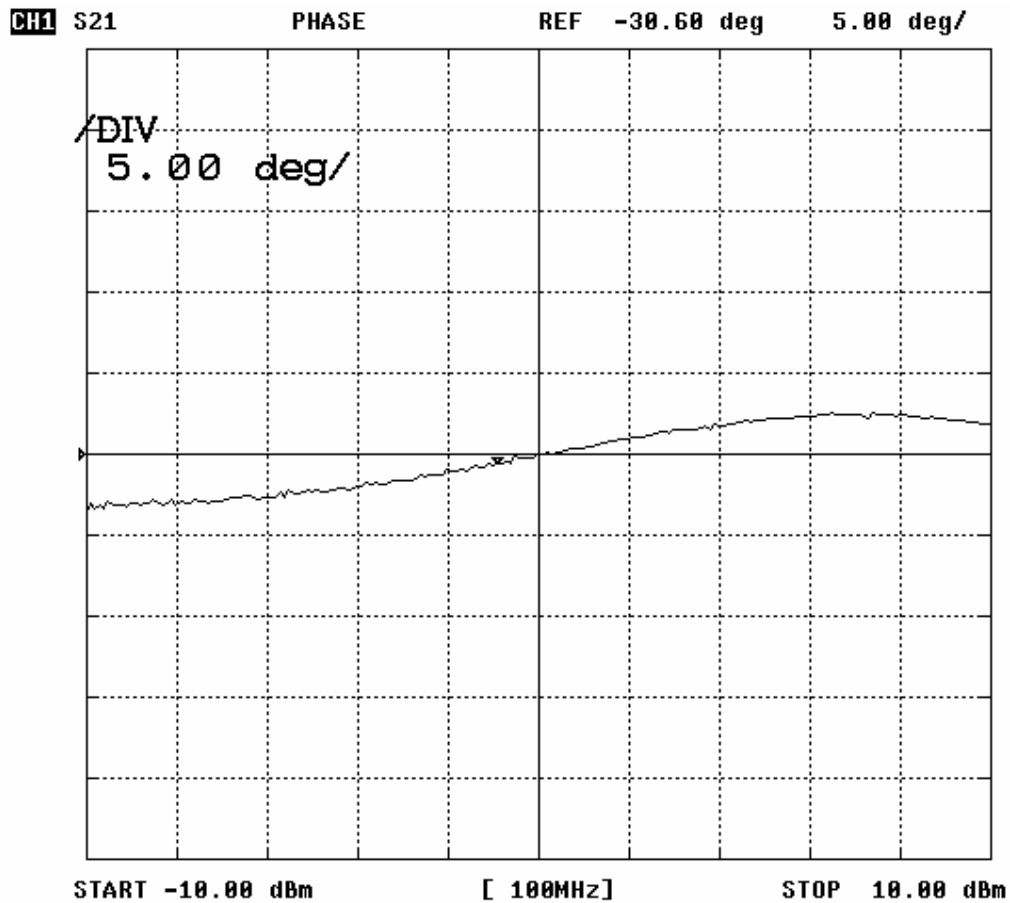
## Phase Performance of Tomco Delta Amplifiers

### Test Conditions:

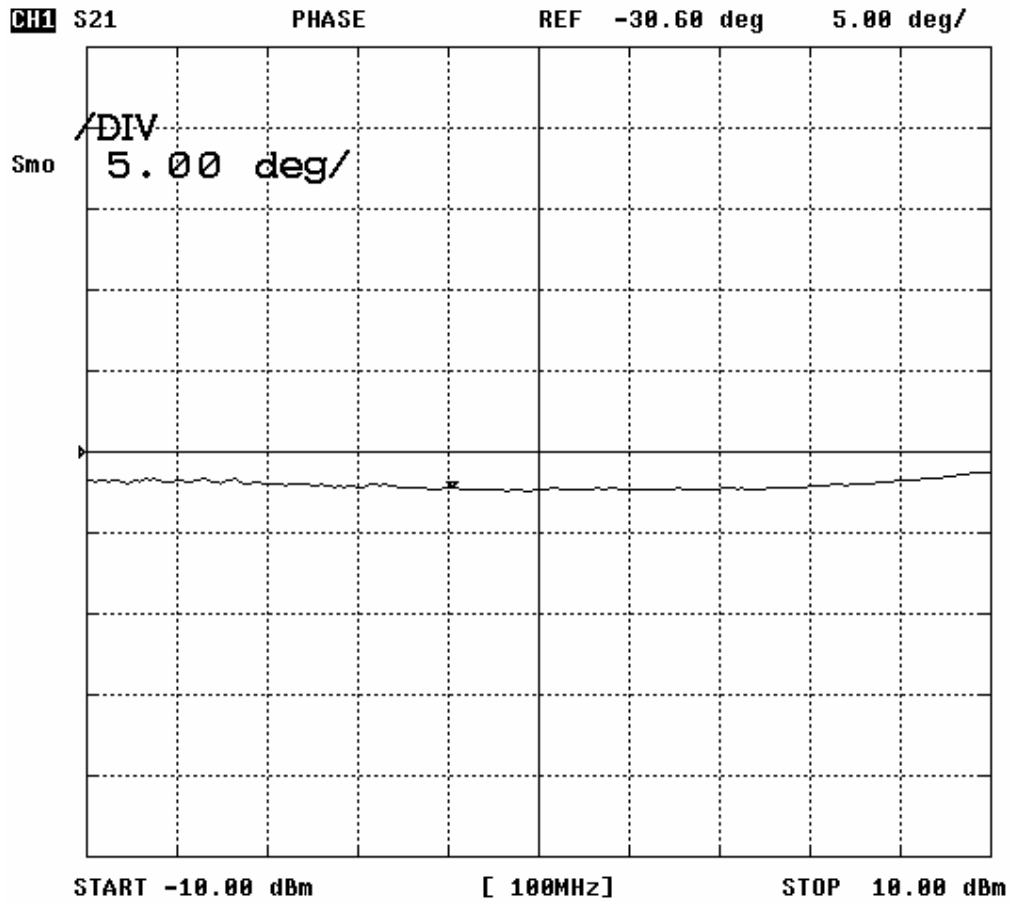
Amplifier type: Tomco BT00400-Delta power amplifier.

Measurements made using an Advantest R3765CG vector network analyzer.

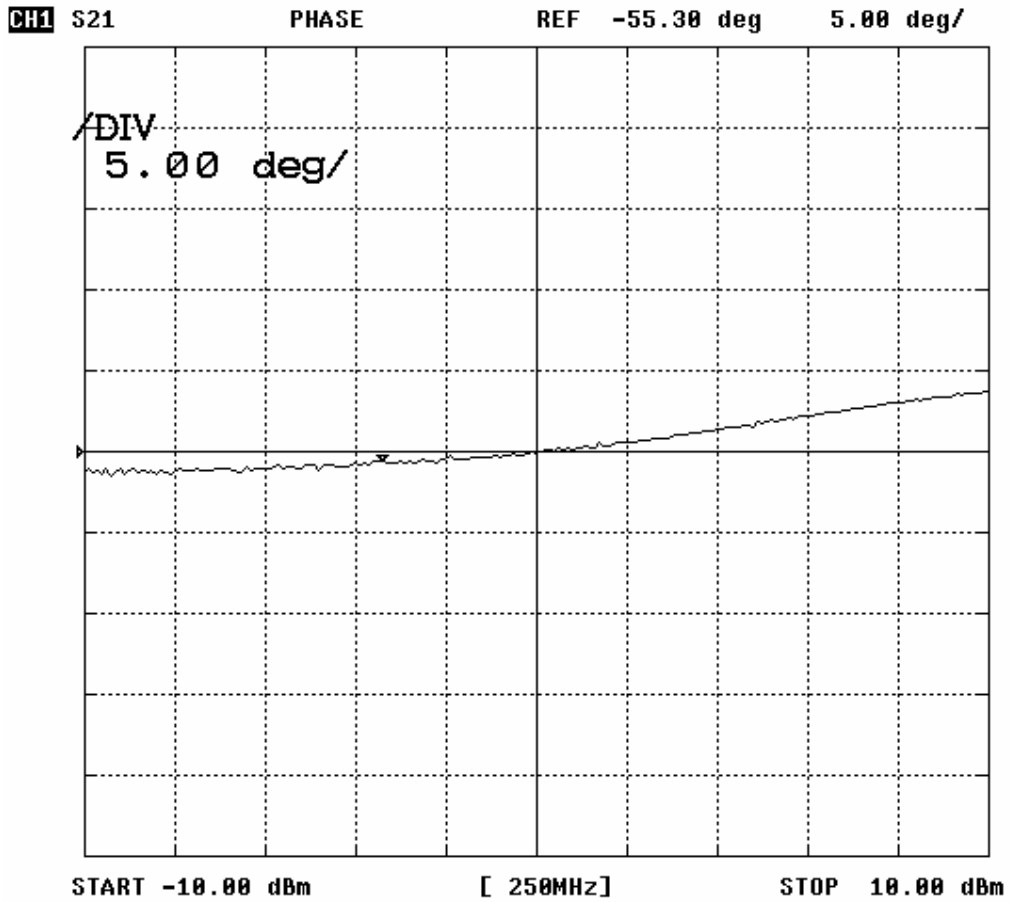
### 1. Phase change with power



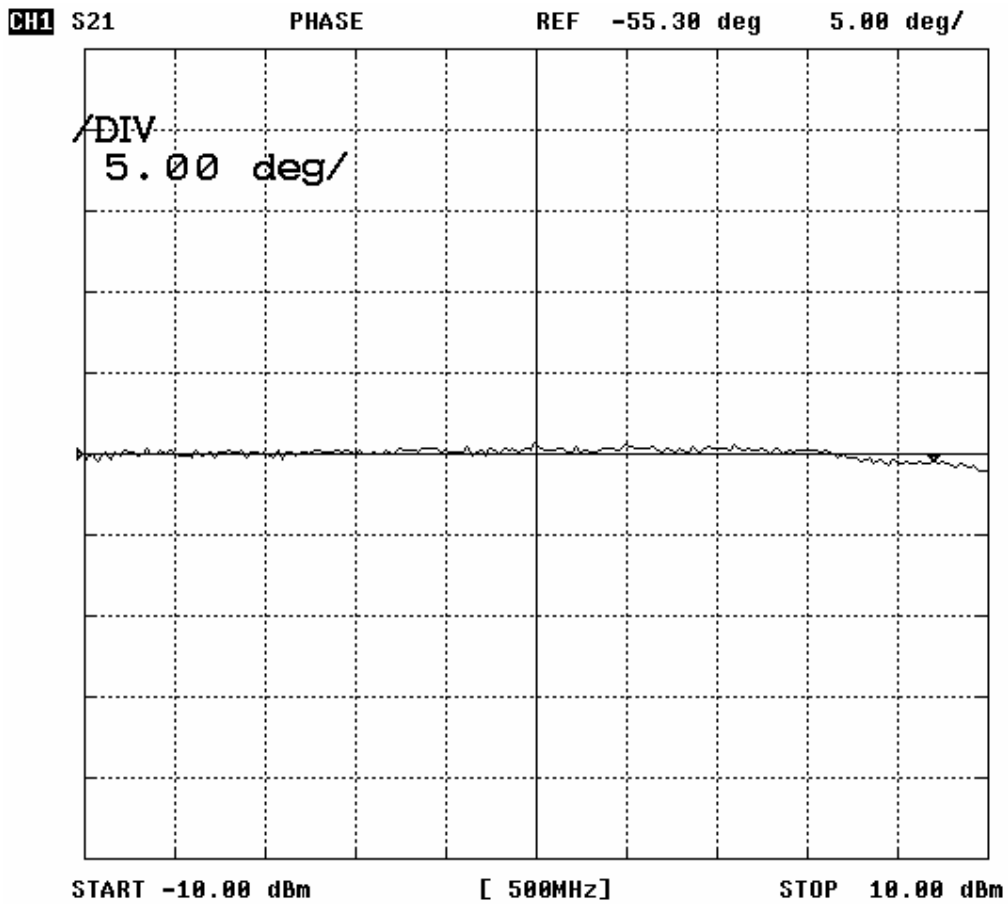
**Fig. .1.1.** Phase change over a 20dB range of input power at 100MHz. Output power range 4W – 400W. Vertical scale = 5°/division.



**Fig. .1.2.** Phase change over a 20dB range of input power at 100MHz. Output power range 0.1W – 10W. Vertical scale = 5°/division.

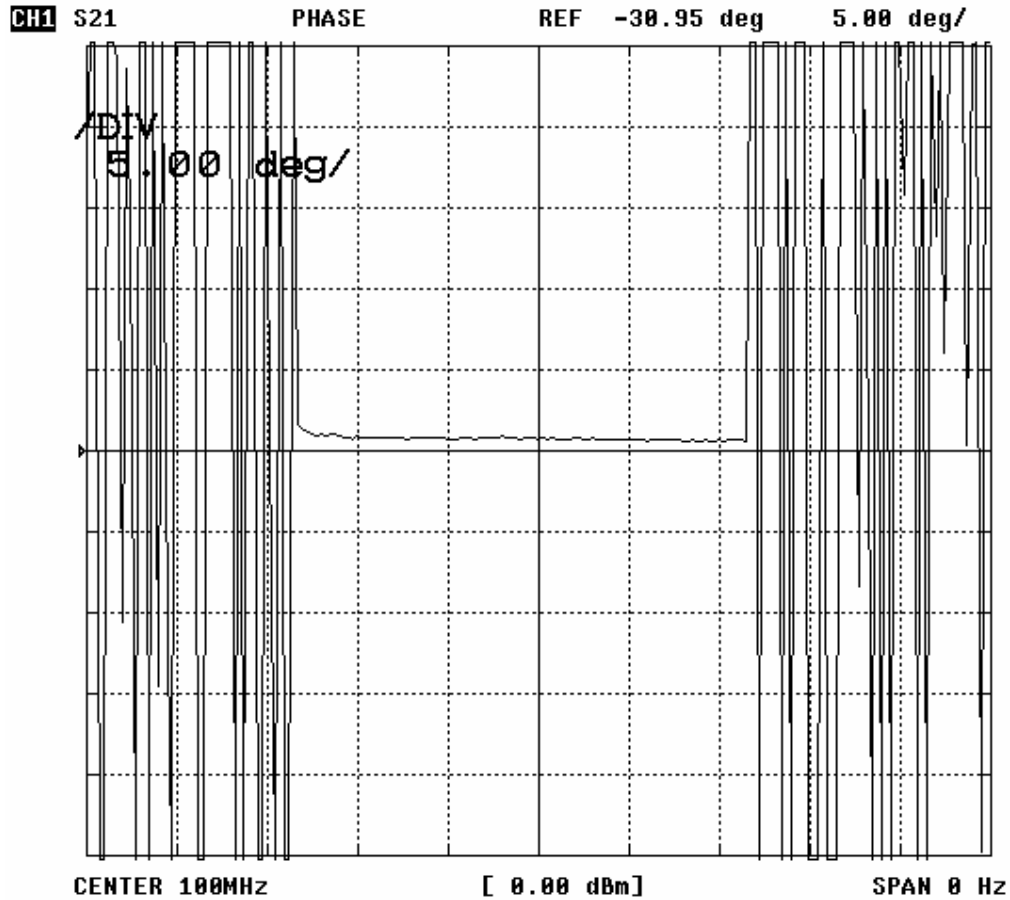


**Fig 1.3.** Phase change over a 20dB range of input power at 250MHz. Output power range 4W – 400W. Vertical scale = 5°/division.

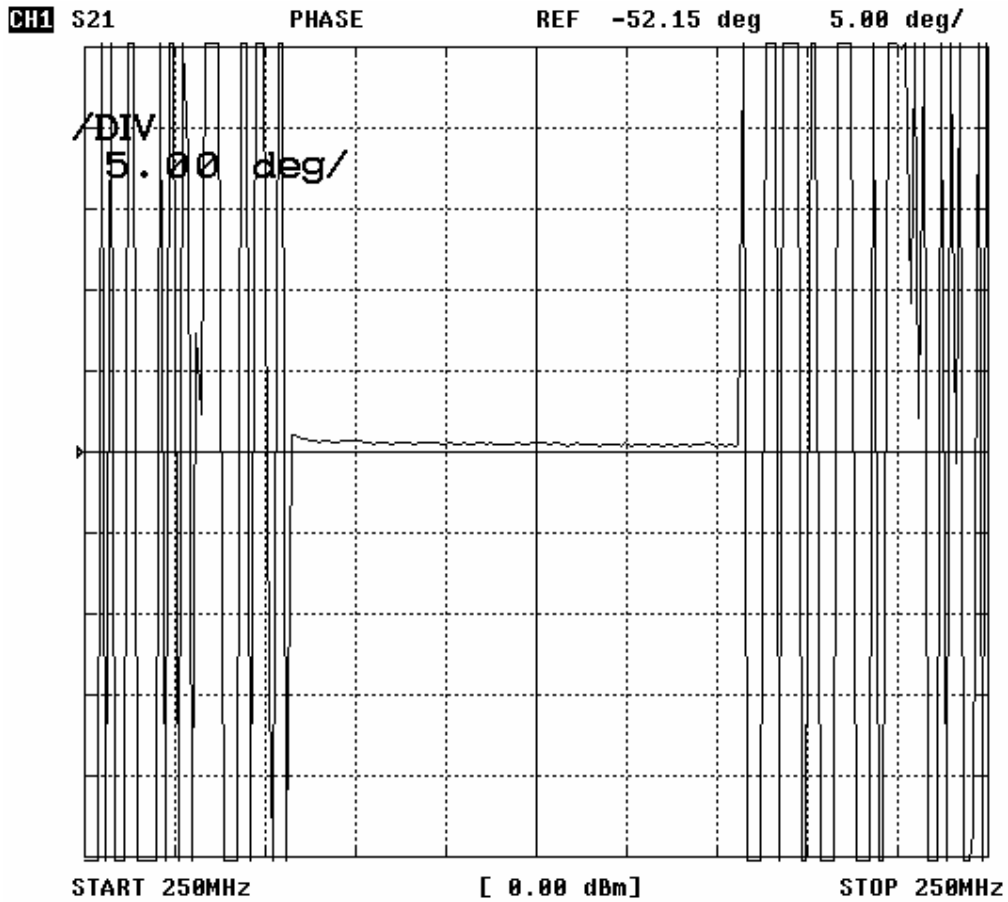


**Fig 1.4.** Phase change over a 20dB range of input power at 500MHz. Output power range 4W – 400W. Vertical scale = 5°/division.

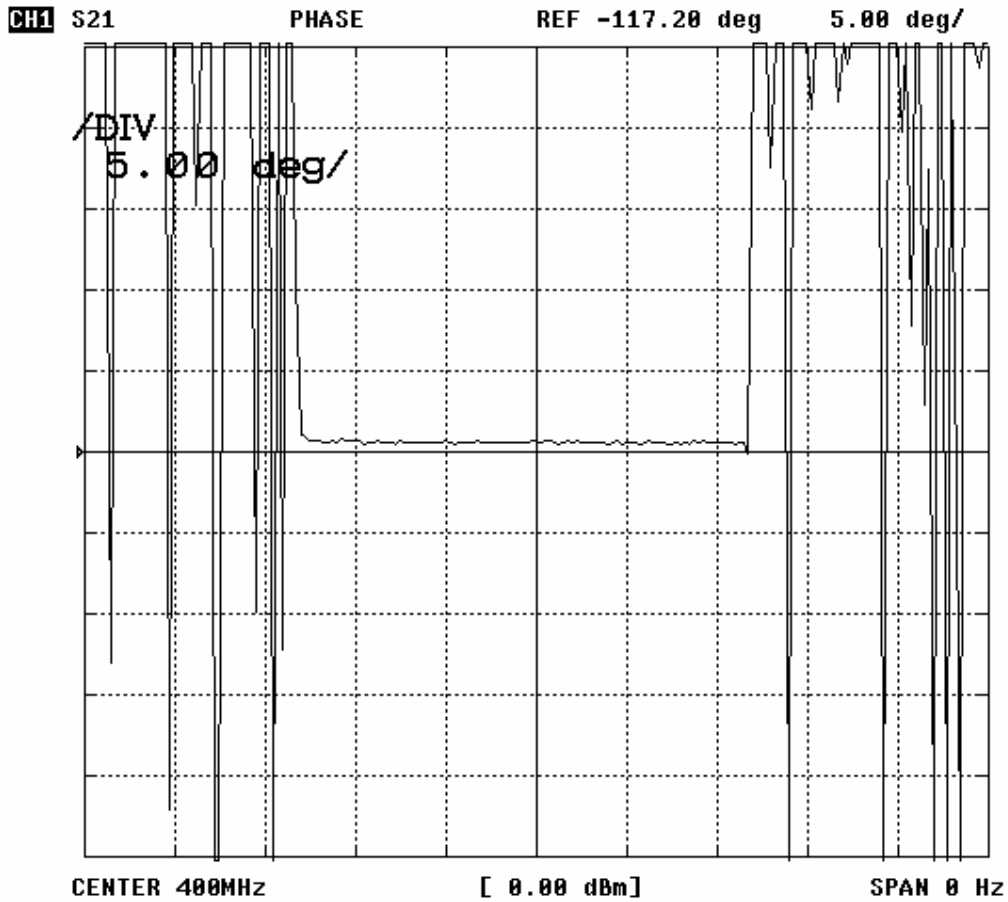
**2. Phase change through pulse**



**Fig 2.1.** Phase change through a 100 millisecond pulse at 100MHz. Output power = 400W. Vertical scale = 5°/division.



**Fig 2.2.** Phase change through a 100 millisecond pulse at 250MHz. Output power = 400W. Vertical scale = 5°/division.



**Fig 2.3.** Phase change through a 100 millisecond pulse at 400MHz. Output power = 400W. Vertical scale = 5°/division.