



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

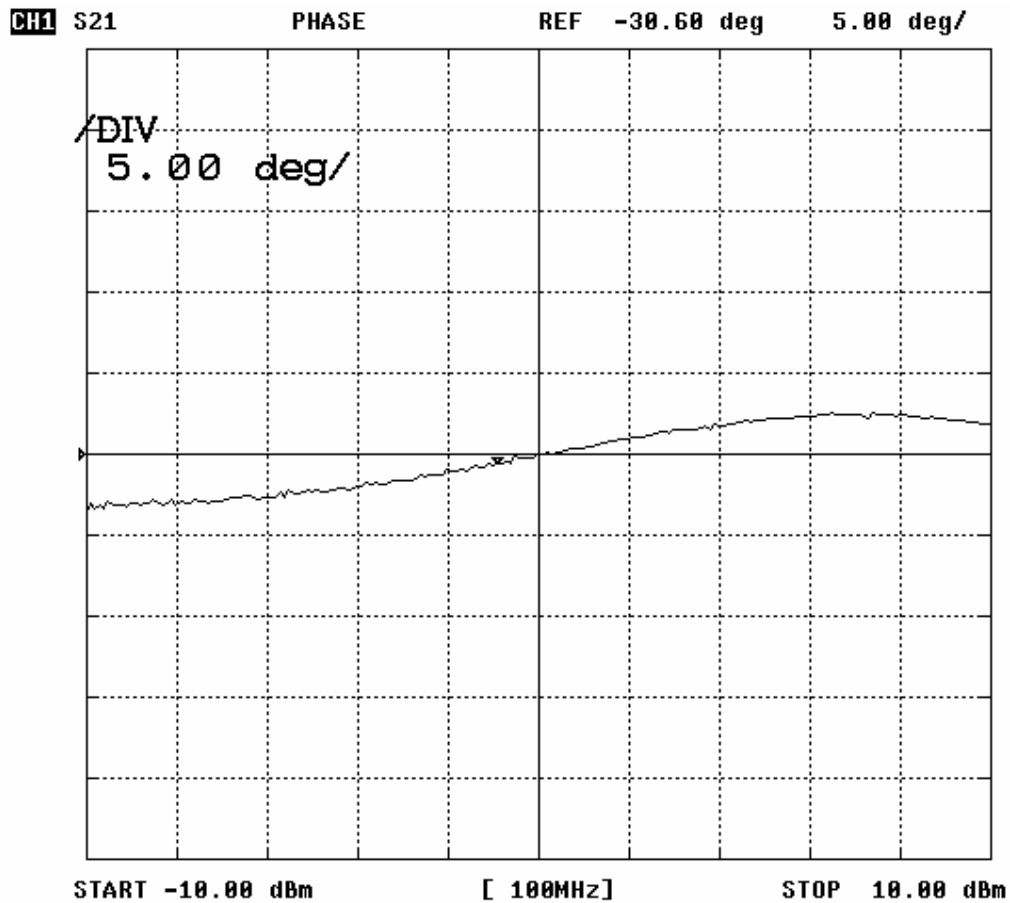


Fig. .1.1. Phase change over a 20dB range of input power at 100MHz. Output power range 4W – 400W. Vertical scale = 5°/division.

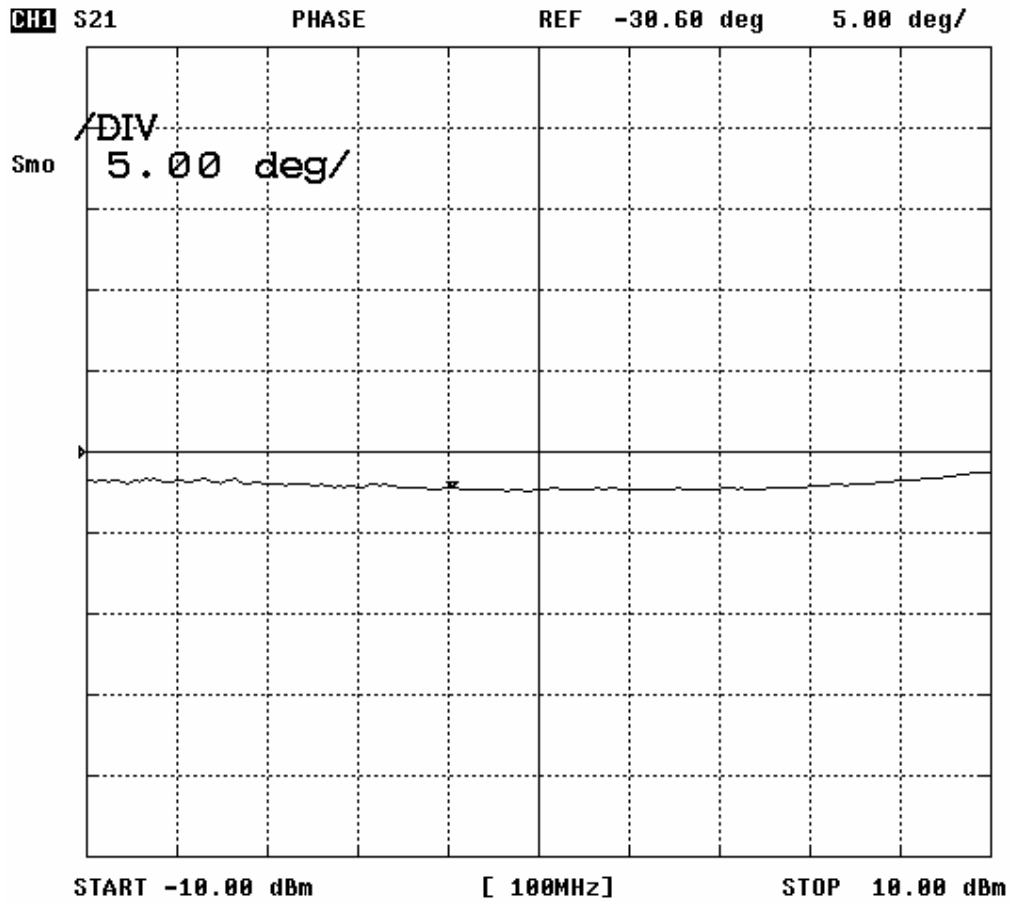


Fig. .1.2. Phase change over a 20dB range of input power at 100MHz. Output power range 0.1W – 10W. Vertical scale = 5°/division.

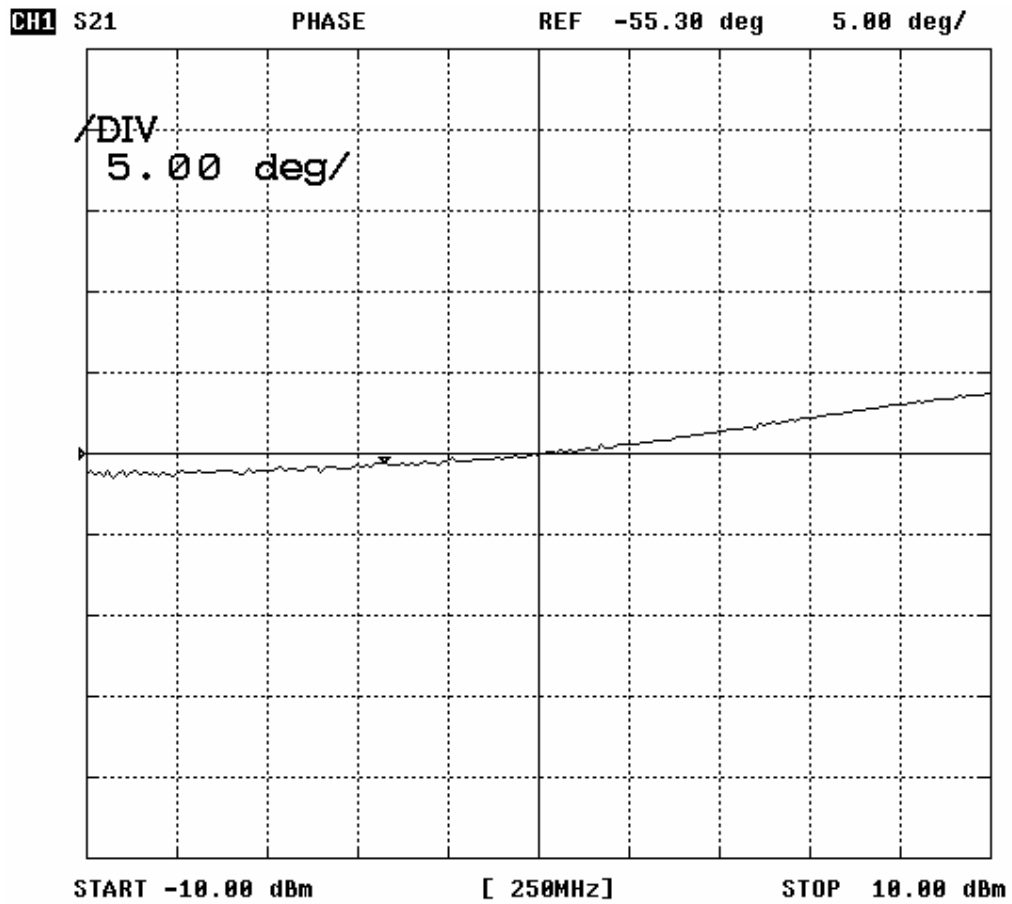


Fig 1.3. Phase change over a 20dB range of input power at 250MHz. Output power range 4W – 400W. Vertical scale = 5°/division.

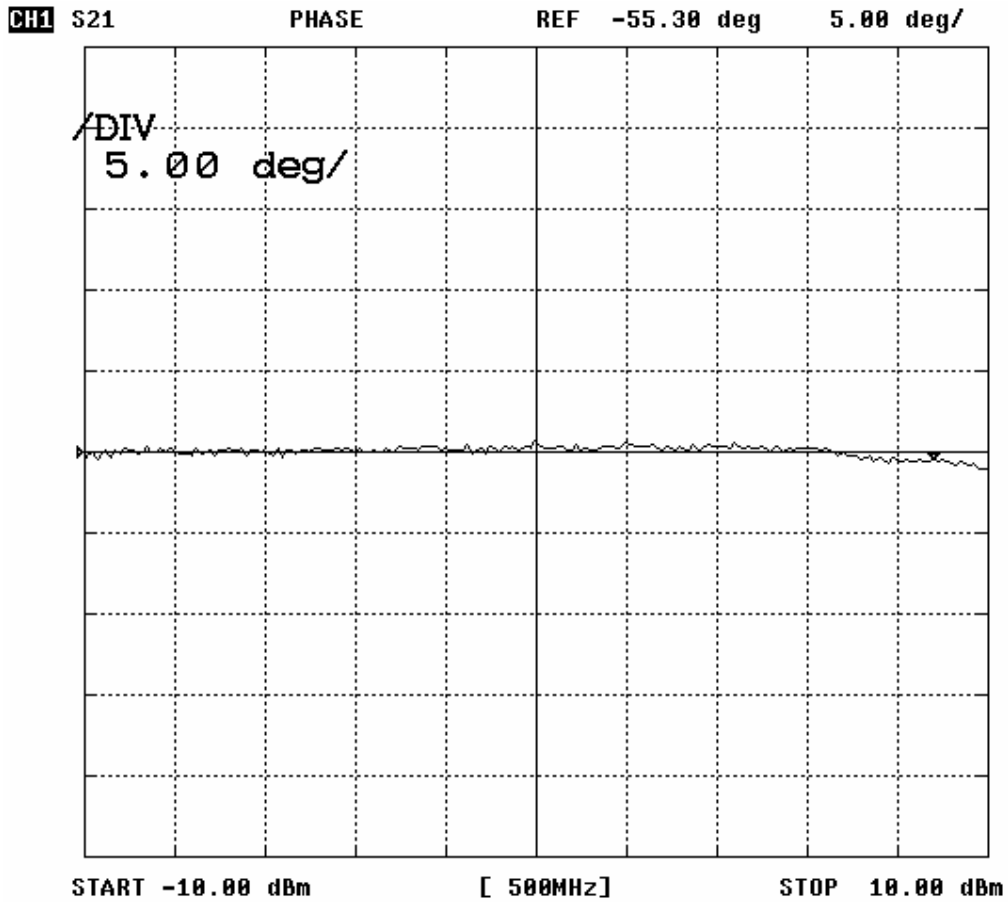


Fig 1.4. Phase change over a 20dB range of input power at 500MHz. Output power range 4W – 400W. Vertical scale = 5°/division.

2. Phase change through pulse

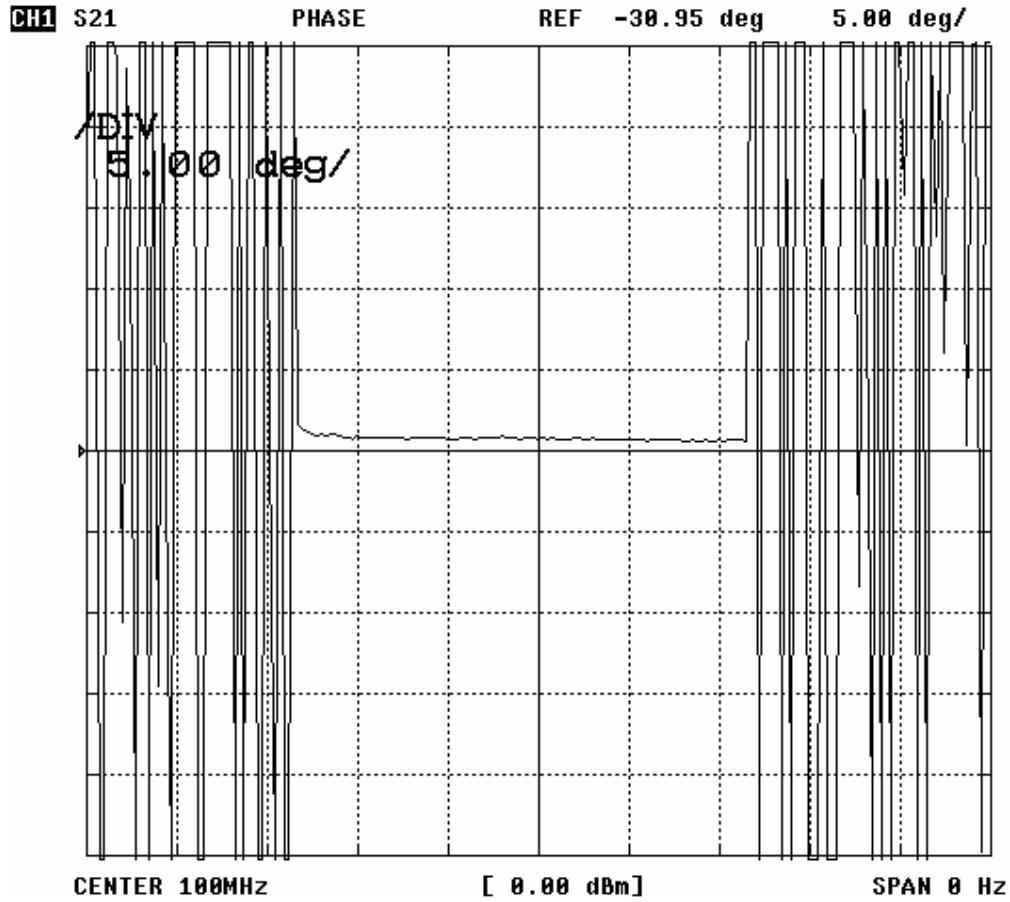


Fig 2.1. Phase change through a 100 millisecond pulse at 100MHz. Output power = 400W. Vertical scale = 5°/division.

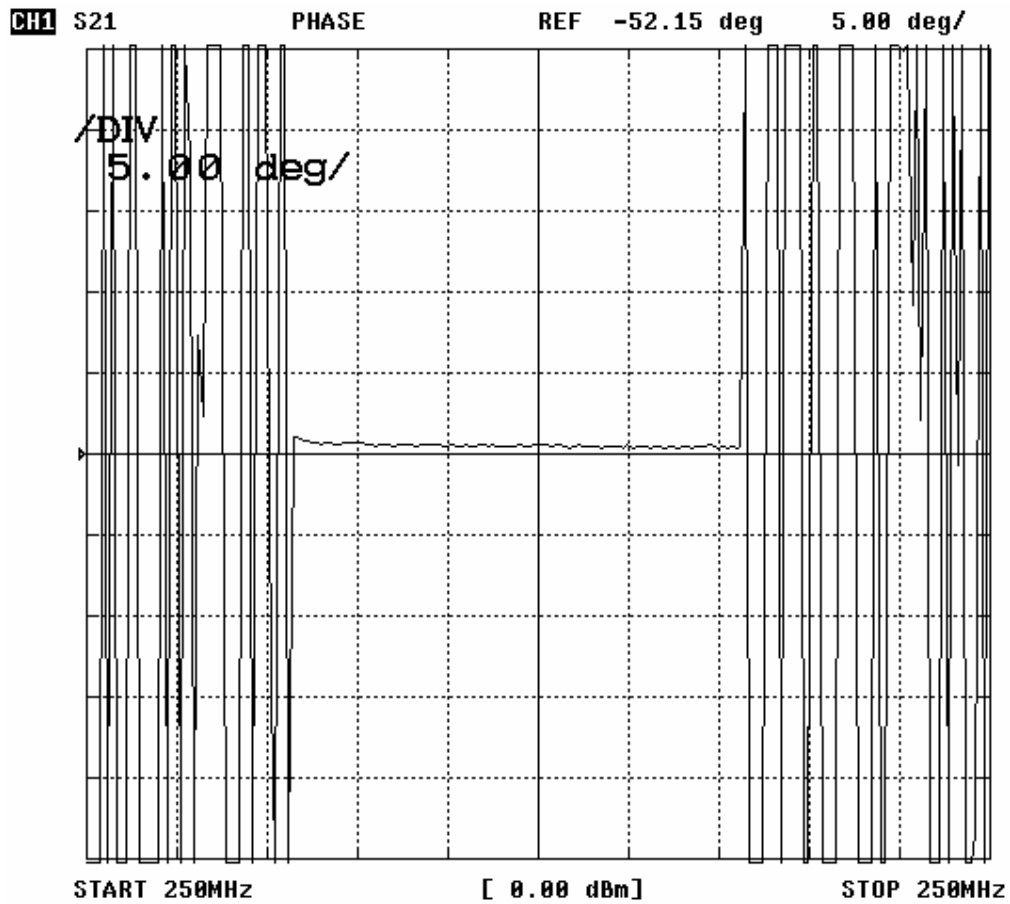


Fig 2.2. Phase change through a 100 millisecond pulse at 250MHz. Output power = 400W. Vertical scale = 5°/division.

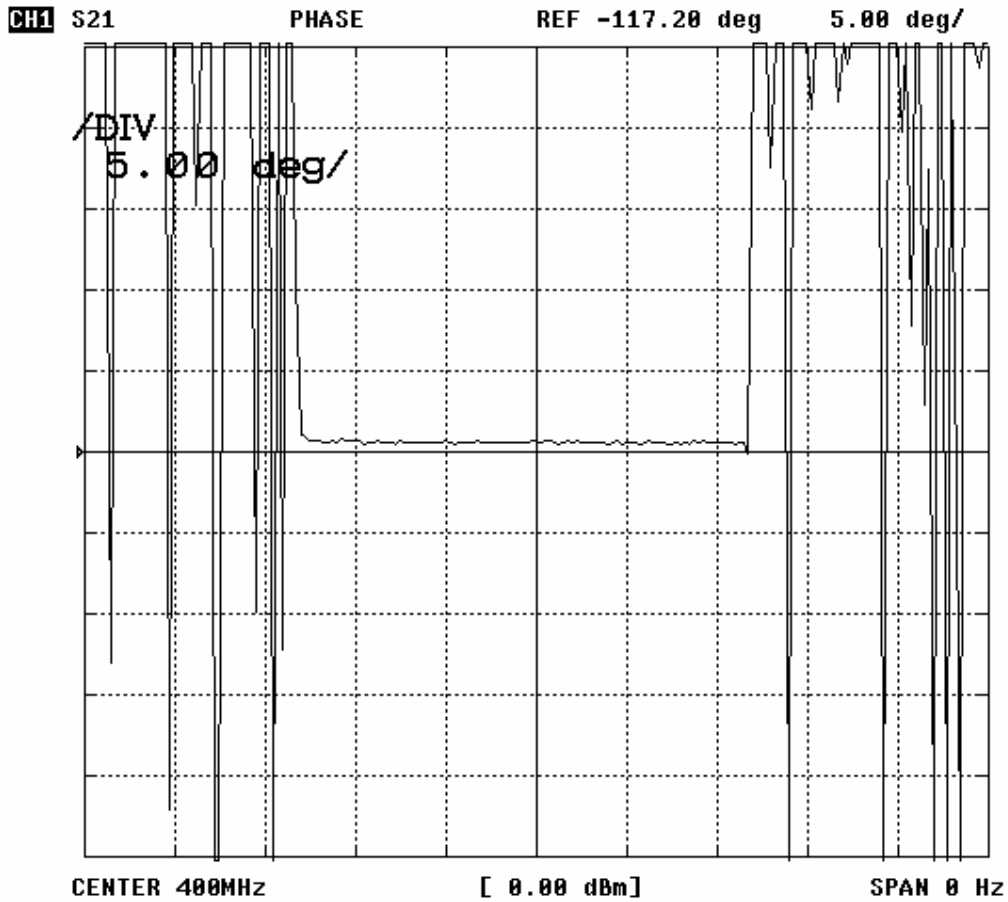


Fig 2.3. Phase change through a 100 millisecond pulse at 400MHz. Output power = 400W. Vertical scale = 5°/division.