

TS3USB221A

High-Speed USB 2.0 1:2 Mux/Demux Switch



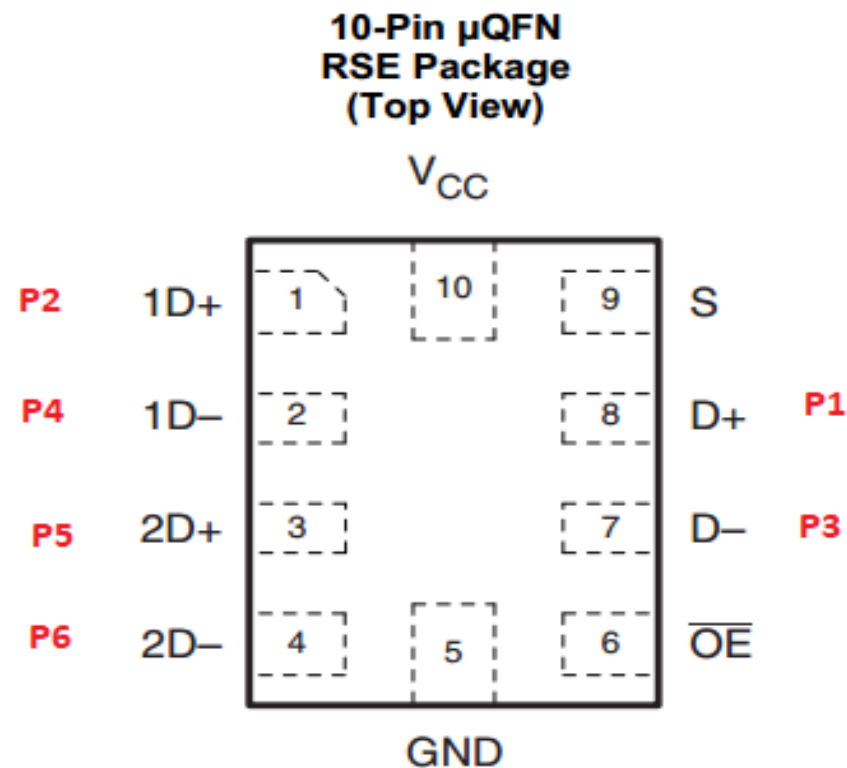
Setup Notes:

- Bench board traces have been de-embedded at the VNA (Ag N5230A)
- Using RF power of -10dBm
- VNA start freq: 300 kHz, stop freq: 1.5 GHz, IF BW:1kHz
- Six measurements were taken and combined into a single s6p file.
 - Port order: (1,3,5,2,4,6)
- Two files provided:
 - SEL = H: 221a_sh.s6p
 - SEL = L: 221a_sl.s6p



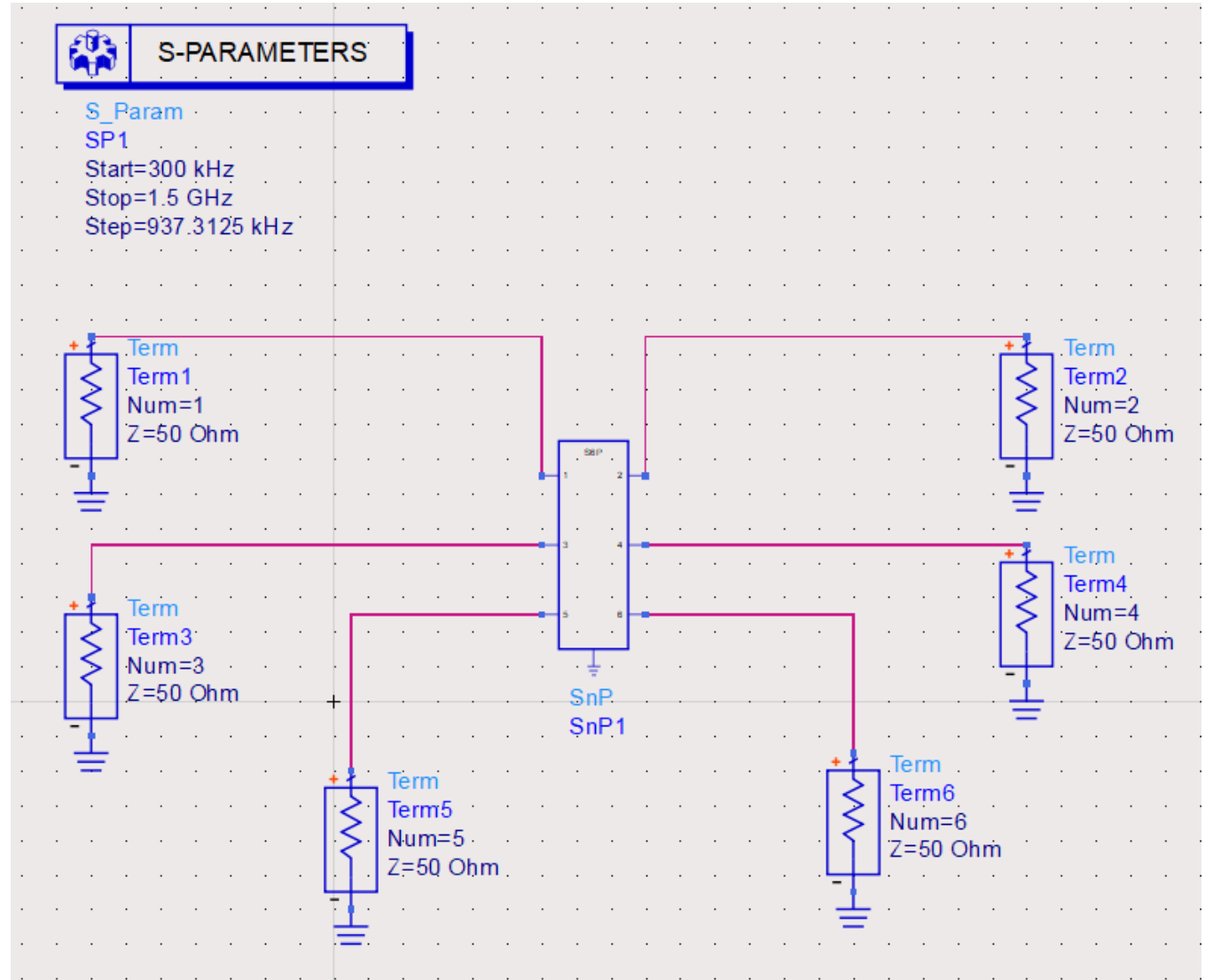
TS3USB221A s6p test setup:

	VNA	DUT		DUT		DUT	VNA
meas#	port#	port#		221A		port#	port#
1	1	1	D+	1D+		2	2
	3	3	D-	1D-		4	4
	term				2D+	5	term
	term				2D-	6	term
2	term	1	D+	1D+		2	term
	term	3	D-	1D-		4	term
	1				2D+	5	2
	3				2D-	6	4
3	1	1	D+	1D+		2	term
	3	3	D-	1D-		4	term
	term				2D+	5	2
	term				2D-	6	4
4	term	1	D+	1D+		2	2
	term	3	D-	1D-		4	4
	1				2D+	5	term
	3				2D-	6	term
5	1	1	D+	1D+		2	term
	3	3	D-	1D-		4	term
	2				2D+	5	term
	4				2D-	6	term
6	term	1	D+	1D+		2	1
	term	3	D-	1D-		4	3
	term				2D+	5	2
	term				2D-	6	4

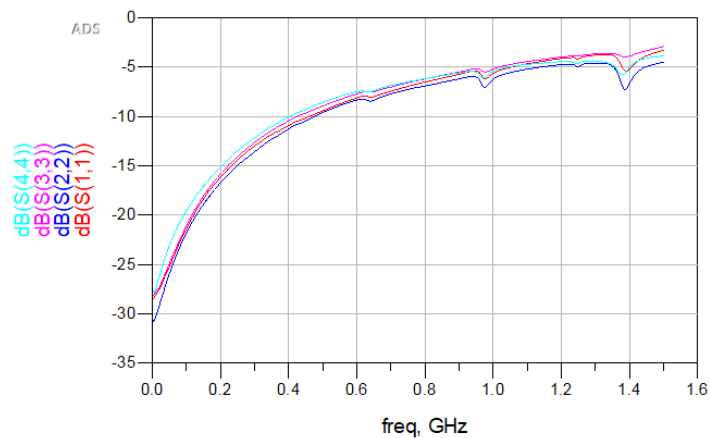
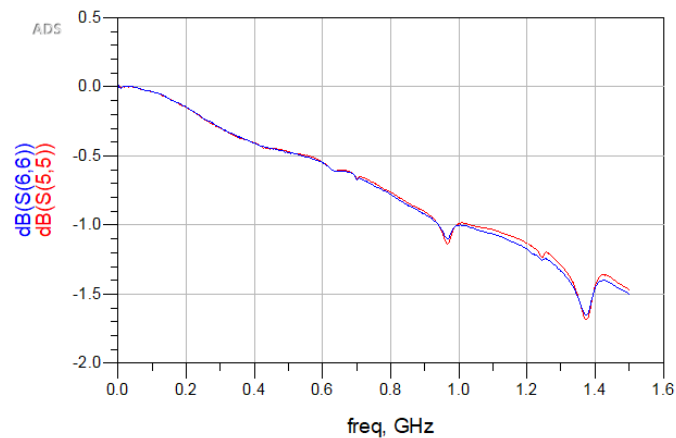
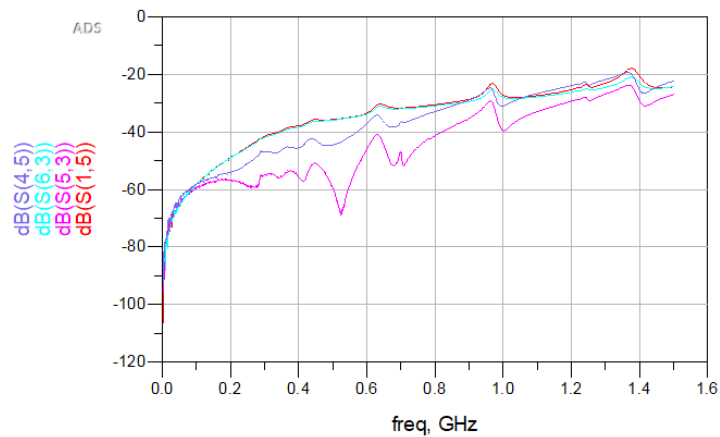
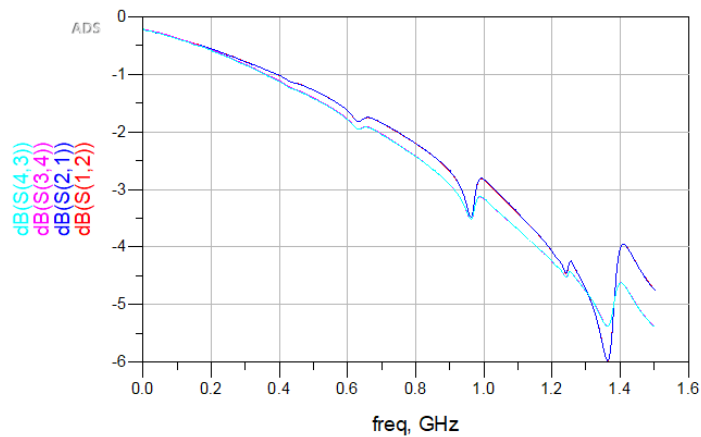


- Unused ports terminated with 50 Ω .

ADS Test Bench



221a_sl.s6p Results



221a_sh.s6p Results

