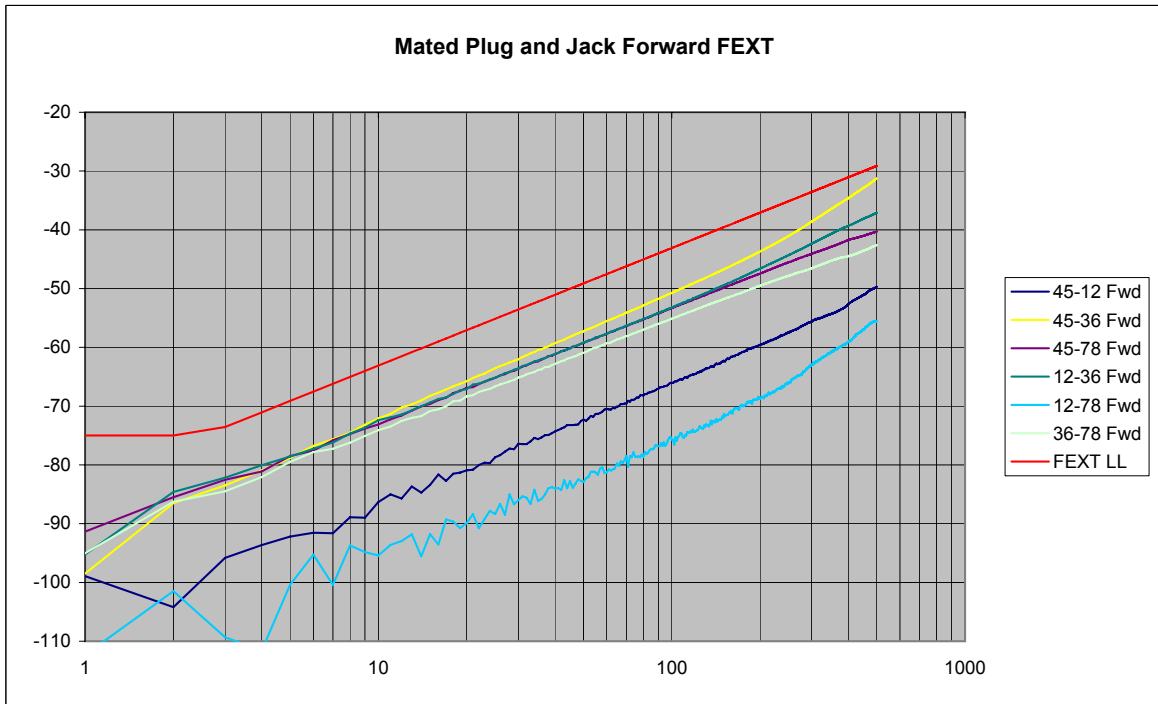
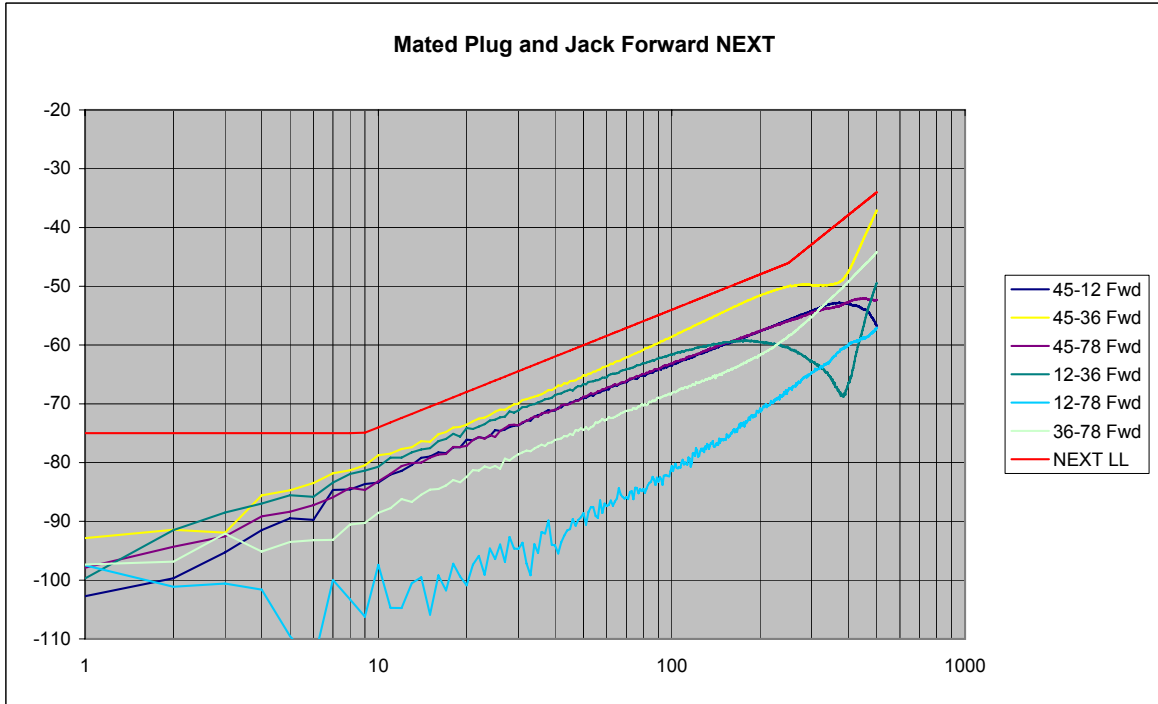




HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack

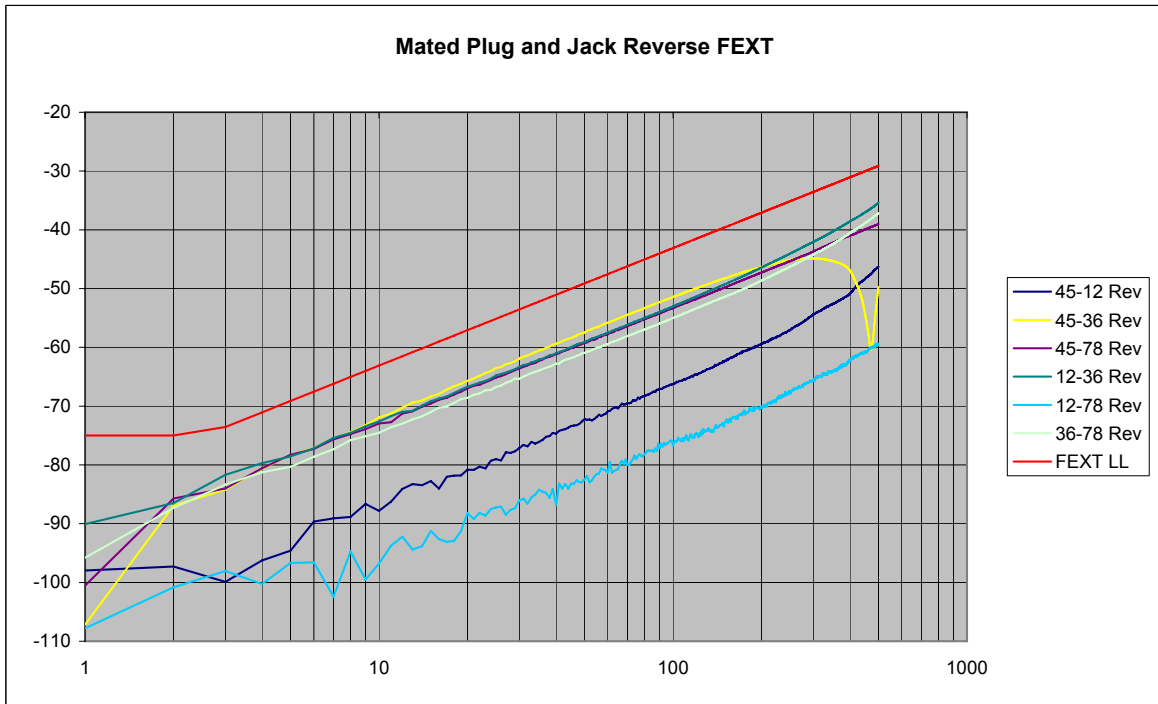
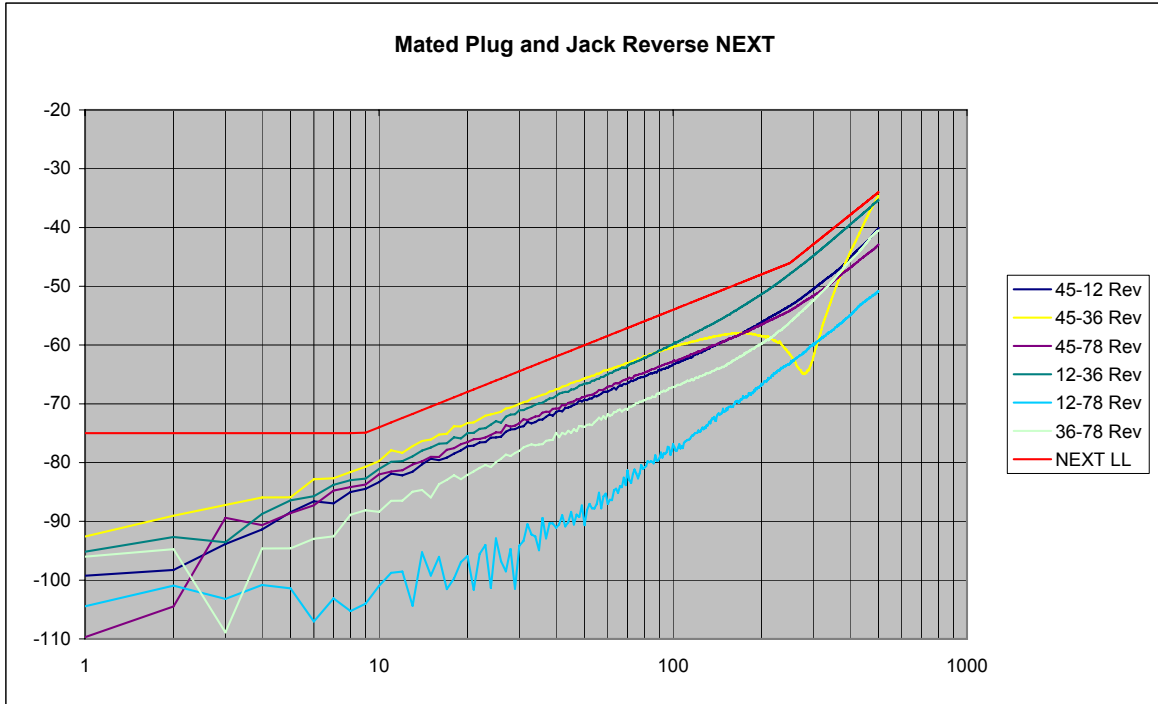
Transmission Performance
Tested to ANSI/TIA-568-B.2-10
(De-embedded and re-embedded method)





HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack

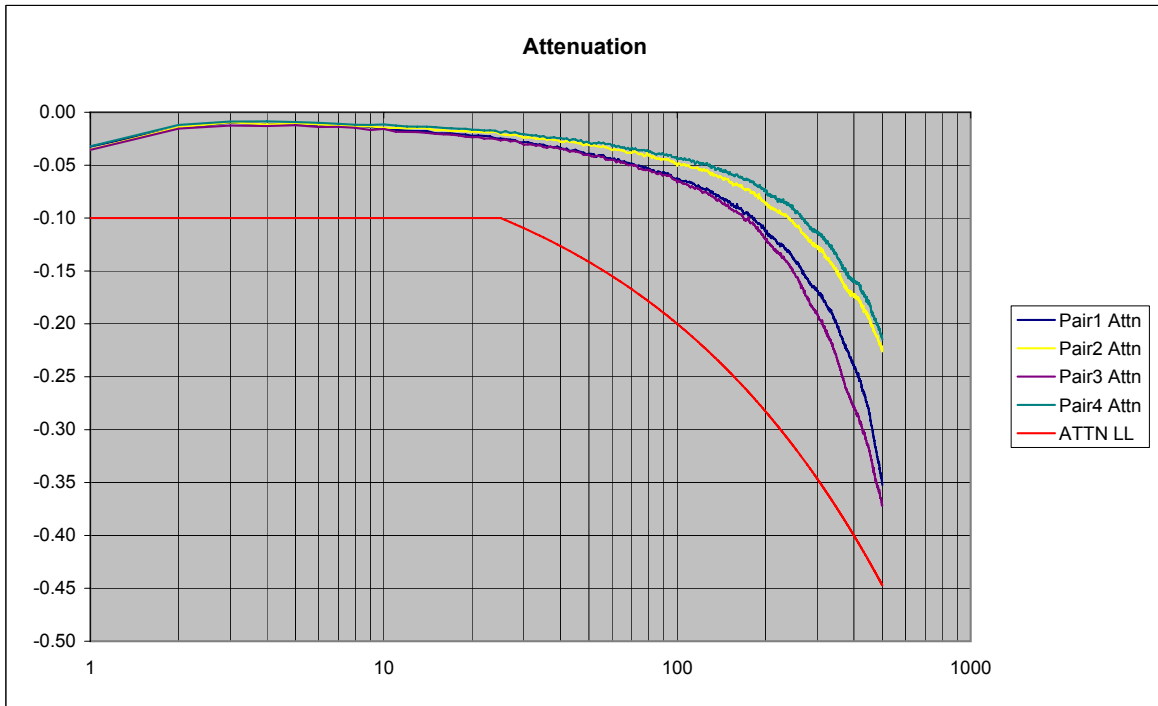
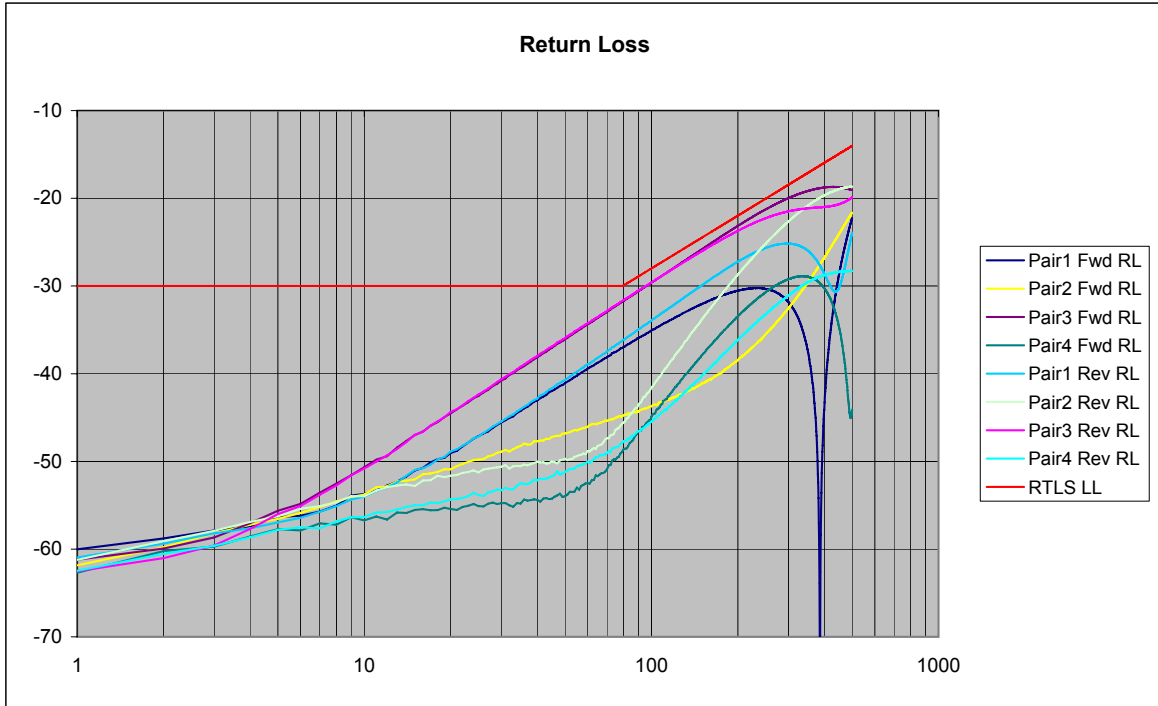
Transmission Performance
Tested to ANSI/TIA-568-B.2-10





HCS J6A-00813 CAT 6A Unshielded Keystone Jack

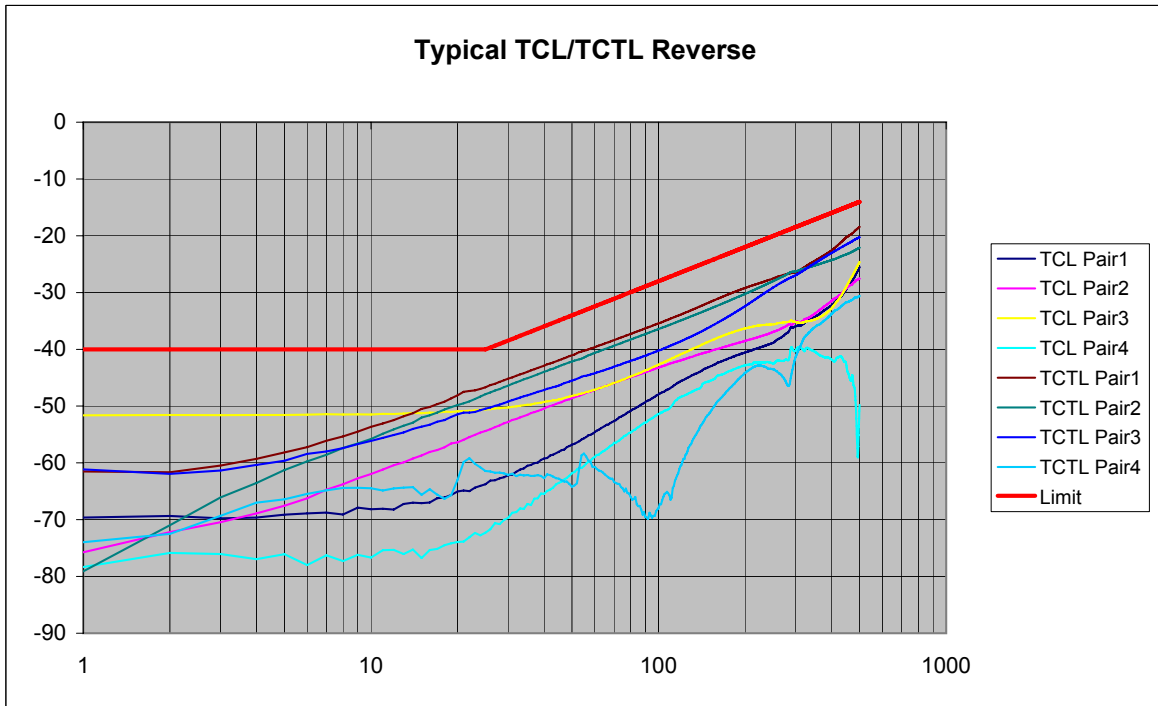
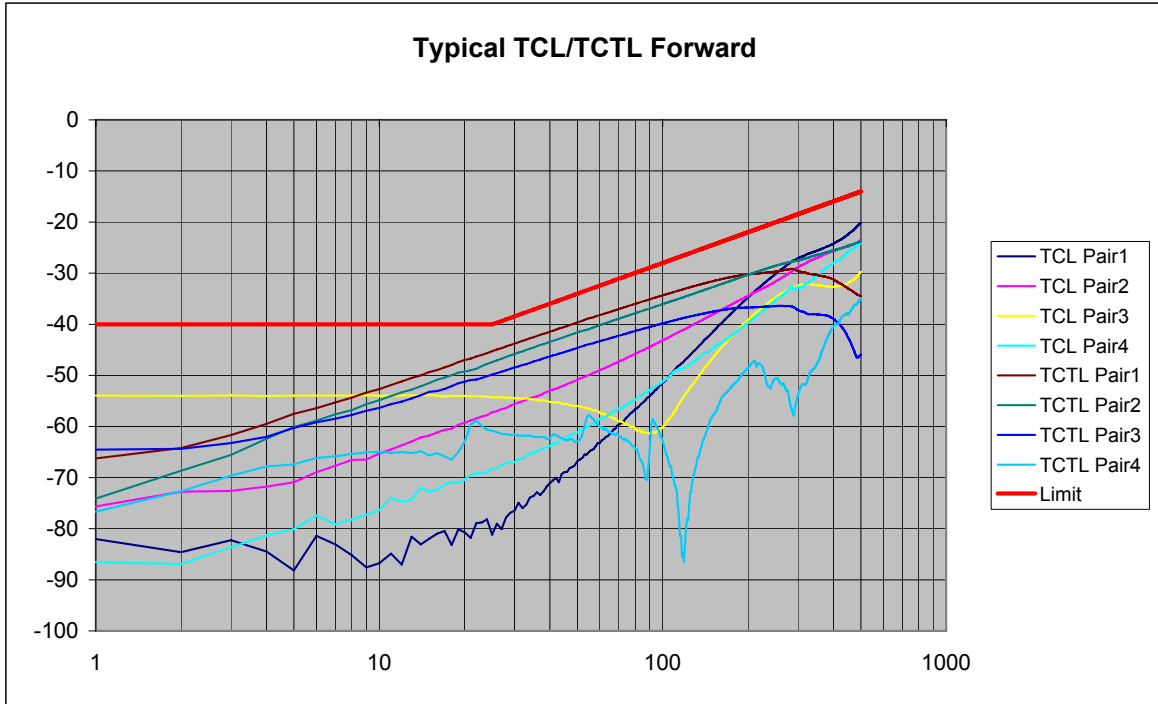
Transmission Performance
Tested to ANSI/TIA-568-B.2-10





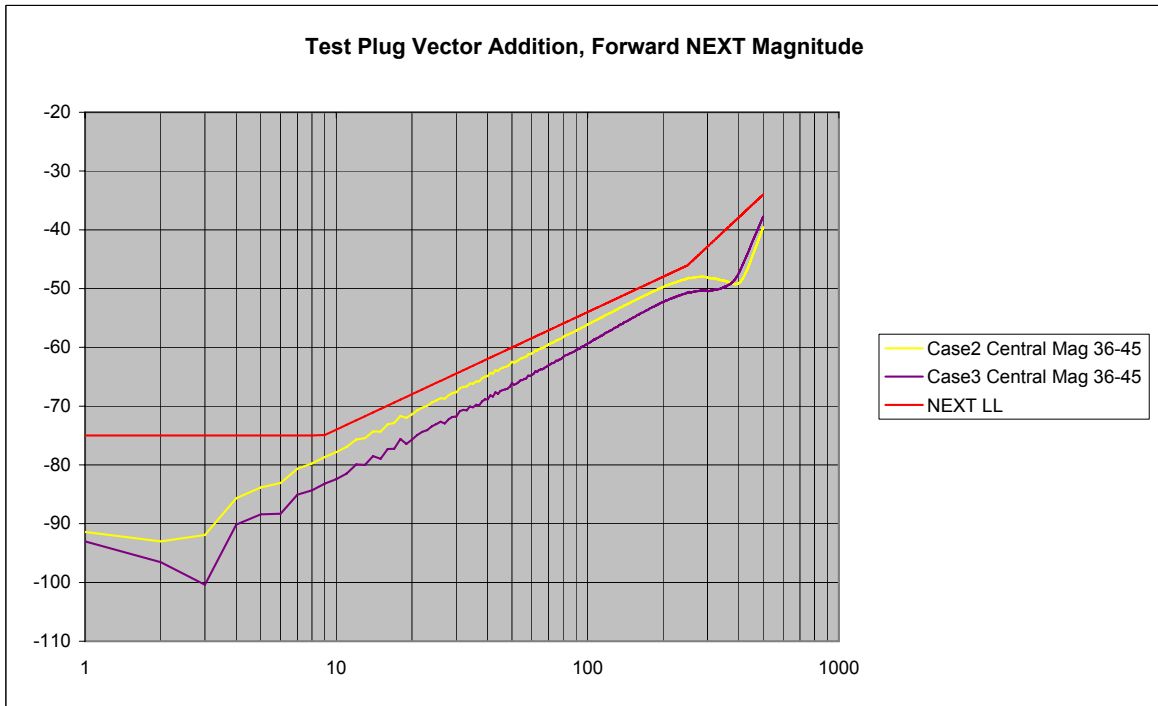
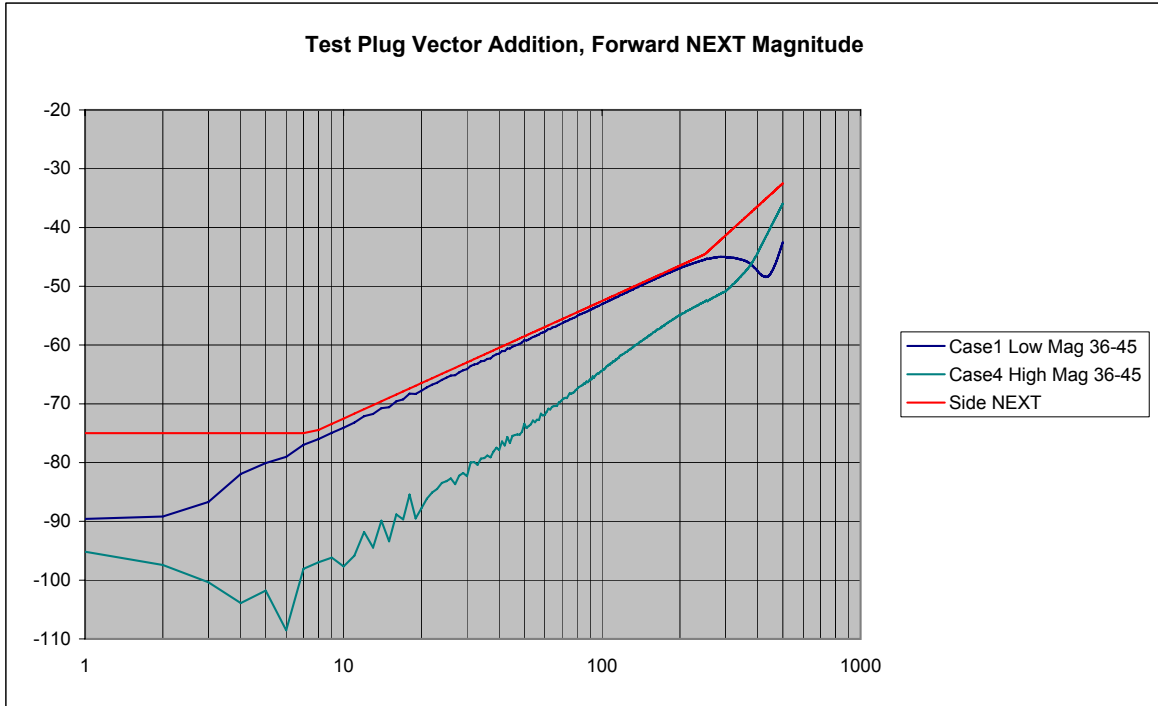
HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack

Transmission Performance
Tested to ANSI/TIA-568-B.2-10





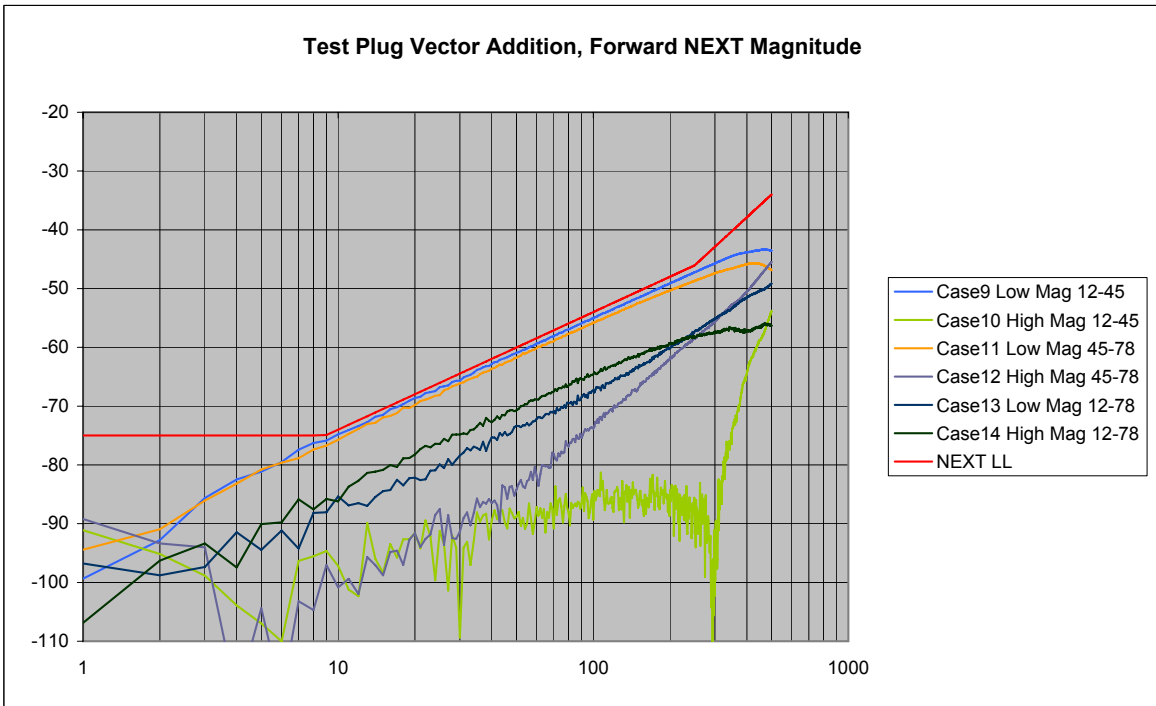
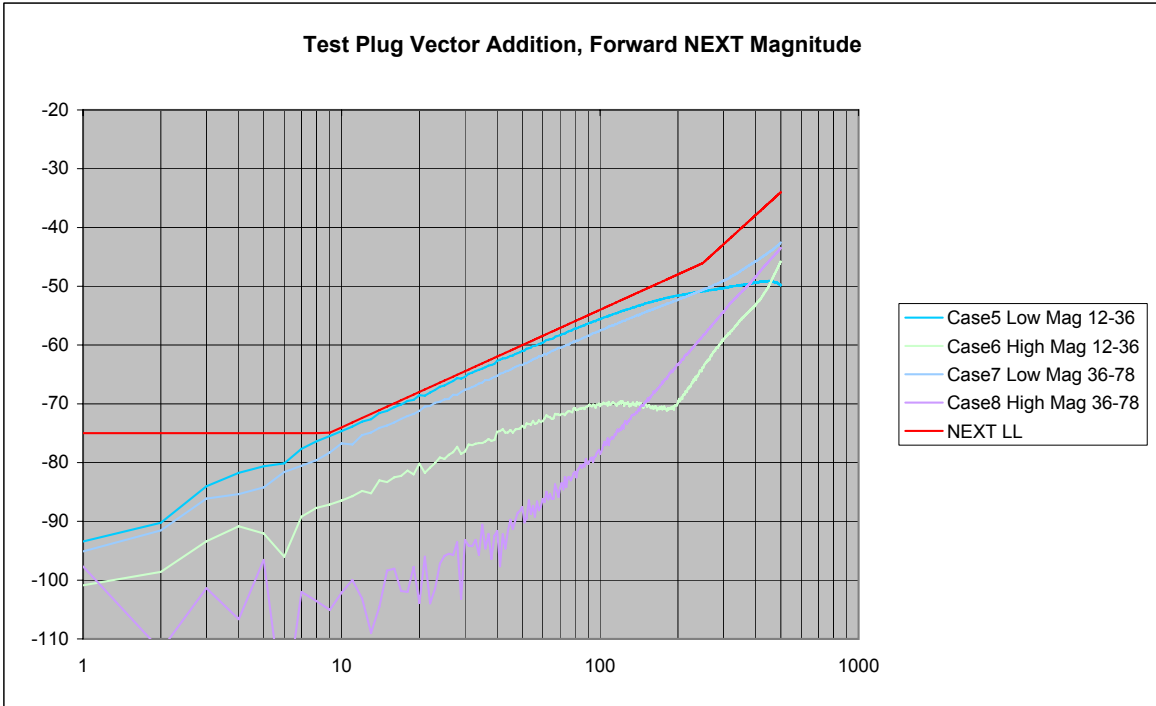
HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack
Transmission Performance
Tested to ANSI/TIA-568-B.2-10





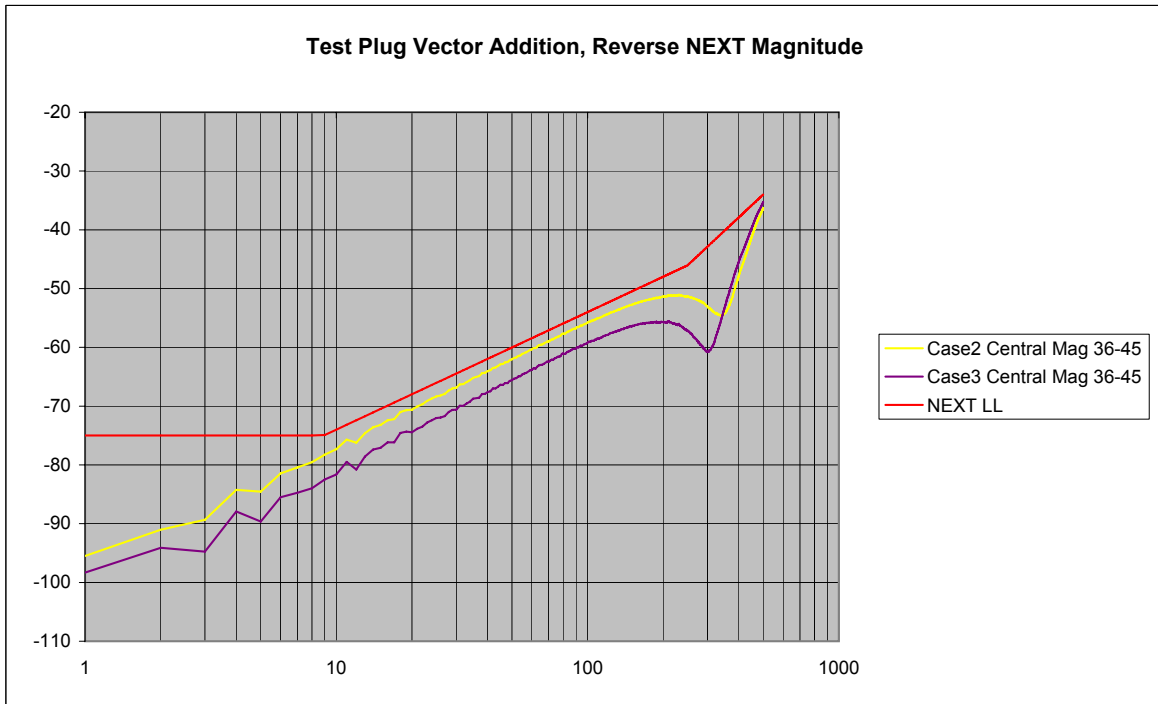
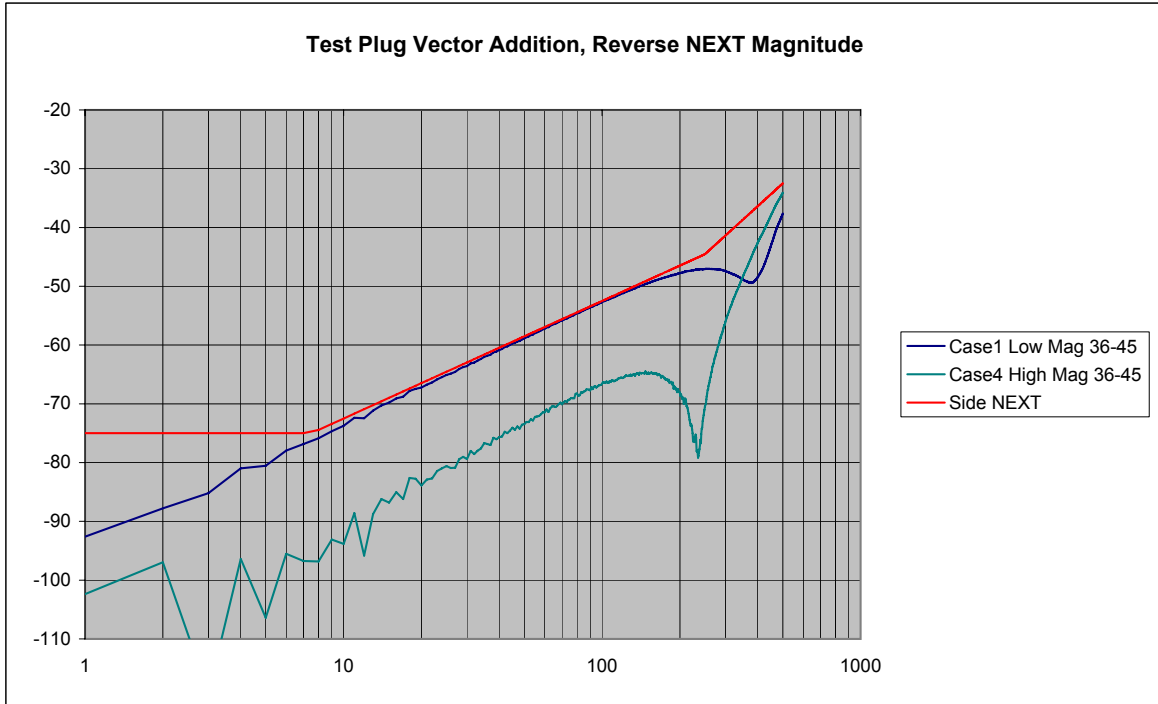
HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack

Transmission Performance
Tested to ANSI/TIA-568-B.2-10



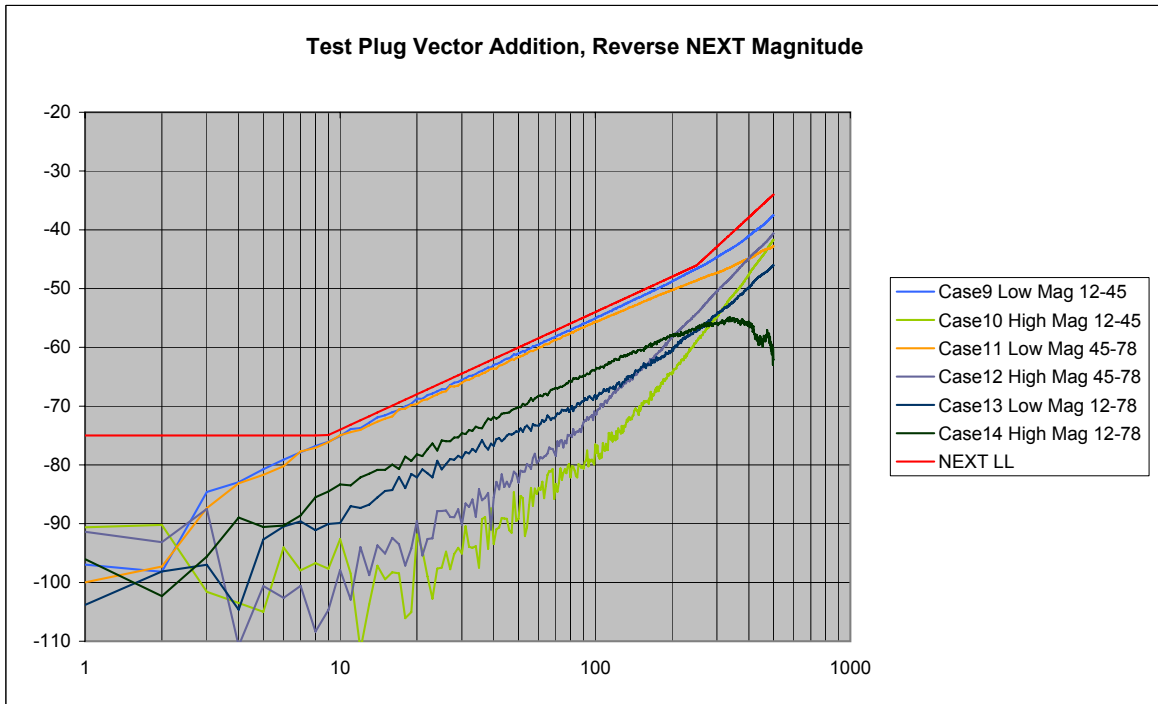
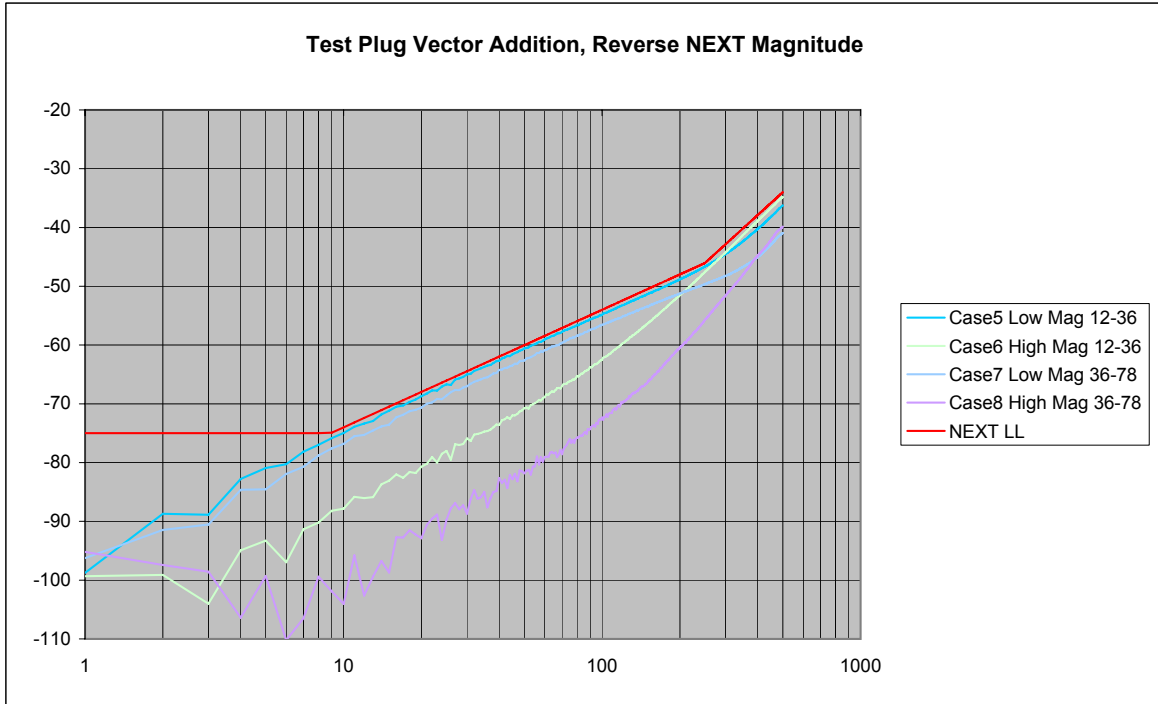


HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack
Transmission Performance
Tested to ANSI/TIA-568-B.2-10





HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack
Transmission Performance
Tested to ANSI/TIA-568-B.2-10





HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack
 Transmission Performance
 Tested to ANSI/TIA-568-B.2-10

Measured Results

Mated Connector and Test Plug Forward NEXT						
	36-45	12-36	36-78	12-45	45-78	12-78
10	-78.8	-80.7	-88.5	-83.4	-83.2	-97.4
100	-58.6	-61.7	-68.2	-63.5	-63.0	-80.6
250	-50.0	-60.5	-58.5	-55.7	-55.9	-67.7
500	-37.1	-49.4	-44.1	-56.9	-52.4	-57.0
Margin	3.1	6.0	10.1	8.1	8.2	21.3

Mated Connector and Test Plug Forward FEXT						
	36-45	12-36	36-78	12-45	45-78	12-78
10	-72.1	-72.4	-74.1	-86.3	-73.1	-95.4
100	-50.7	-53.2	-55.1	-66.1	-53.3	-75.7
250	-41.0	-44.3	-47.8	-57.5	-45.5	-66.2
500	-31.2	-37.1	-42.6	-49.7	-40.3	-55.5
Margin	2.1	8.0	10.3	20.6	9.0	26.2

Mated Connector and Test Plug Reverse NEXT						
	36-45	12-36	36-78	12-45	45-78	12-78
10	-79.8	-81.1	-88.4	-83.3	-82.0	-101.0
100	-60.2	-59.9	-67.1	-63.3	-62.7	-76.9
250	-61.7	-47.9	-56.1	-53.3	-54.1	-63.0
500	-34.6	-35.4	-40.5	-40.1	-42.9	-50.8
Margin	0.6	1.3	6.5	6.1	8.0	16.6

Mated Connector and Test Plug Reverse FEXT						
	36-45	12-36	36-78	12-45	45-78	12-78
10	-71.9	-72.6	-74.5	-87.8	-73.0	-96.8
100	-51.4	-53.0	-55.0	-66.2	-53.3	-76.7
250	-45.1	-44.0	-46.3	-57.1	-45.4	-67.5
500	-49.7	-35.4	-37.2	-46.3	-39.0	-59.5
Margin	8.2	6.3	8.1	17.1	9.2	24.5

	Return Loss Forward				Return Loss Reverse			
	Pr 45	Pr 12	Pr 36	Pr 78	Pr 45	Pr 12	Pr 36	Pr 78
10	-53.7	-53.8	-50.7	-56.7	-54.0	-54.0	-50.8	-56.3
100	-35.1	-43.7	-29.6	-44.9	-33.9	-41.6	-29.6	-45.4
250	-30.4	-35.5	-21.3	-30.7	-25.7	-25.2	-22.3	-33.2
500	-22.3	-21.6	-19.1	-44.1	-23.9	-18.7	-19.9	-28.3
Margin	7.0	7.6	1.1	10.6	5.2	3.7	1.5	12.4

	Attenuation			
	Pr 45	Pr 12	Pr 36	Pr 78
10	-0.016	-0.015	-0.016	-0.012
100	-0.062	-0.050	-0.066	-0.044
250	-0.138	-0.105	-0.152	-0.092
500	-0.352	-0.223	-0.371	-0.215
Margin	0.068	0.065	0.064	0.068



HCS J6A-00823 CATEGORY 6A Shielded Keystone Jack
 Transmission Performance
 Tested to ANSI/TIA-568-B.2-10

Vector Resultants

Forward NEXT Test Vector Resultants														
	Case1 Low 36-45	Case2 Central 36-45	Case3 Central 36-45	Case4 High 36-45	Case5 Low 12-36	Case6 High 12-36	Case7 Low 36-78	Case8 High 36-78	Case9 Low 12-45	Case10 High 12-45	Case11 Low 45-78	Case12 High 45-78	Case13 Low 12-78	Case14 High 12-78
10	-74.1	-77.8	-82.4	-97.7	-74.6	-86.4	-76.7	-102.1	-74.8	-97.2	-75.7	-100.8	-85.4	-86.2
100	-53.0	-56.1	-59.4	-64.4	-55.6	-70.4	-57.5	-78.6	-55.1	-89.3	-55.8	-73.8	-67.3	-64.6
250	-45.4	-48.2	-50.7	-52.5	-50.8	-63.8	-50.6	-58.4	-47.2	-91.6	-48.7	-58.5	-57.3	-58.3
500	-42.5	-39.5	-37.7	-35.9	-49.8	-45.8	-42.5	-43.5	-43.6	-53.7	-46.9	-45.5	-49.2	-56.3
Margin	0.3	1.7	3.7	3.4	0.5	11.8	2.7	9.5	0.6	16.1	1.3	11.4	11.2	9.6

Reverse NEXT Test Vector Resultants														
	Case1 Low 36-45	Case2 Central 36-45	Case3 Central 36-45	Case4 High 36-45	Case5 Low 12-36	Case6 High 12-36	Case7 Low 36-78	Case8 High 36-78	Case9 Low 12-45	Case10 High 12-45	Case11 Low 45-78	Case12 High 45-78	Case13 Low 12-78	Case14 High 12-78
10	-73.7	-77.3	-81.6	-93.8	-75.0	-87.8	-76.8	-104.0	-75.1	-92.6	-75.0	-97.9	-89.9	-83.3
100	-52.7	-55.8	-59.2	-66.6	-54.8	-62.5	-56.6	-72.3	-55.1	-76.5	-55.6	-71.4	-68.1	-63.8
250	-47.1	-51.4	-57.3	-70.5	-46.6	-47.5	-49.6	-55.7	-46.6	-59.0	-48.6	-54.2	-57.3	-56.5
500	-37.6	-36.3	-35.3	-34.1	-36.2	-34.8	-40.9	-39.8	-37.5	-41.7	-42.7	-40.6	-46.0	-62.1
Margin	0.1	1.7	1.3	1.6	0.5	0.8	2.3	5.8	0.5	7.7	1.0	6.6	11.0	9.3