STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(10,280)=5.94; p<.0000
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	1	4.633333
....	1	....	2	4.683333
....	1	....	3	3.883333
....	1	....	4	3.250000
....	1	....	5	1.950000
....	1	....	6	1.283333
....	2	....	1	4.750000
....	2	....	2	4.800000
....	2	....	3	4.316667
....	2	....	4	3.500000
....	2	....	5	2.016667
....	2	....	6	1.133333
....	3	....	1	4.766667
....	3	....	2	4.683333
....	3	....	3	4.250000
....	3	....	4	3.550000
....	3	....	5	2.350000
....	3	....	6	1.200000

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(5,140)=.29; p<.9170
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	1	4.700000
....	....	1	2	4.700000
....	....	1	3	4.133333
....	....	1	4	3.422222
....	....	1	5	2.044445
....	....	1	6	1.166667
....	....	2	1	4.733333
....	....	2	2	4.744444
....	....	2	3	4.166667
....	....	2	4	3.444444
....	....	2	5	2.166667
....	....	2	6	1.244444

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(2,56)=.74; p<.4832
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	1	....	3.166667
1	1	2	....	3.222222
1	2	1	....	3.255556
1	2	2	....	3.366667
1	3	1	....	3.377778
1	3	2	....	3.433333
2	1	1	....	3.344445
2	1	2	....	3.388889
2	2	1	....	3.533333
2	2	2	....	3.522222
2	3	1	....	3.488889
2	3	2	....	3.566667

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=3.12; p<.0008
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	1	4.600000
1	1	....	2	4.633333
1	1	....	3	3.633333
1	1	....	4	3.133333
1	1	....	5	1.866667
1	1	....	6	1.300000
1	2	...	1	4.566667
1	2	...	2	4.733333
1	2	...	3	4.300000
1	2	...	4	3.466667
1	2	...	5	1.766667
1	2	...	6	1.033333
1	3	...	1	4.800000
1	3	....	2	4.533333
1	3	....	3	4.066667
1	3	....	4	3.500000
1	3	....	5	2.300000
1	3	....	6	1.233333
2	1	....	1	4.666667
2	1	....	2	4.733333
2	1	....	3	4.133333
2	1	....	4	3.366667
2	1	....	5	2.033333
2	1	....	6	1.266667
2	2	....	1	4.933333
2	2	....	2	4.866667
2	2	....	3	4.333333
2	2	....	4	3.533333
2	2	....	5	2.266667
2	2	....	6	1.233333
2	3	....	1	4.733333
2	3	....	2	4.833333
2	3	....	3	4.433333
2	3	....	4	3.600000
2	3	....	5	2.400000
2	3	....	6	1.166667

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(5,140)=1.77; p<.1237
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	1	1	4.644444
1	....	1	2	4.644444
1	....	1	3	4.000000
1	....	1	4	3.377778
1	....	1	5	1.866667
1	....	1	6	1.066667
1	....	2	1	4.666667
1	....	2	2	4.622222
1	....	2	3	4.000000
1	....	2	4	3.355556
1	....	2	5	2.088889
1	....	2	6	1.311111
2	....	1	1	4.755556
2	....	1	2	4.755556
2	....	1	3	4.266667
2	....	1	4	3.466667
2	....	1	5	2.222222
2	....	1	6	1.266667
2	....	2	1	4.800000
2	....	2	2	4.866667
2	....	2	3	4.333333
2	....	2	4	3.533333
2	....	2	5	2.244444
2	....	2	6	1.177778

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(10,280)=1.20; p<.2879
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	1	1	4.633333
....	1	1	2	4.633333
....	1	1	3	3.966667
....	1	1	4	3.200000
....	1	1	5	1.933333
....	1	1	6	1.166667
....	1	2	1	4.633333
....	1	2	2	4.733333
....	1	2	3	3.800000
....	1	2	4	3.300000
....	1	2	5	1.966667
....	1	2	6	1.400000
....	2	1	1	4.733333
....	2	1	2	4.766667
....	2	1	3	4.300000
....	2	1	4	3.466667
....	2	1	5	1.933333
....	2	1	6	1.166667
....	2	2	1	4.766667
....	2	2	2	4.833333
....	2	2	3	4.333333
....	2	2	4	3.533333
....	2	2	5	2.100000
....	2	2	6	1.100000
....	3	1	1	4.733333
....	3	1	2	4.700000
....	3	1	3	4.133333
....	3	1	4	3.600000
....	3	1	5	2.266667
....	3	1	6	1.166667
....	3	2	1	4.800000
....	3	2	2	4.666667
....	3	2	3	4.366667
....	3	2	4	3.500000
....	3	2	5	2.433333
....	3	2	6	1.233333

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=2.11; p<.0235
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	1	1	4.600000
1	1	1	2	4.600000
1	1	1	3	3.733333
1	1	1	4	3.133333
1	1	1	5	1.933333
1	1	1	6	1.000000
1	1	2	1	4.600000
1	1	2	2	4.666667
1	1	2	3	3.533333
1	1	2	4	3.133333
1	1	2	5	1.800000
1	1	2	6	1.600000
1	2	1	1	4.466667
1	2	1	2	4.666667
1	2	1	3	4.333333
1	2	1	4	3.466667
1	2	1	5	1.533333
1	2	1	6	1.066667
1	2	2	1	4.666667
1	2	2	2	4.800000
1	2	2	3	4.266667
1	2	2	4	3.466667
1	2	2	5	2.000000
1	2	2	6	1.000000
1	3	1	1	4.866667
1	3	1	2	4.666667
1	3	1	3	3.933333
1	3	1	4	3.533333
1	3	1	5	2.133333
1	3	1	6	1.133333
1	3	2	1	4.733333
1	3	2	2	4.400000
1	3	2	3	4.200000
1	3	2	4	3.466667
1	3	2	5	2.466667
1	3	2	6	1.333333

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=2.11; p<.0235
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
2	1	1	1	4.666667
2	1	1	2	4.666667
2	1	1	3	4.200000
2	1	1	4	3.266667
2	1	1	5	1.933333
2	1	1	6	1.333333
2	1	2	1	4.666667
2	1	2	2	4.800000
2	1	2	3	4.066667
2	1	2	4	3.466667
2	1	2	5	2.133333
2	1	2	6	1.200000
2	2	1	1	5.000000
2	2	1	2	4.866667
2	2	1	3	4.266667
2	2	1	4	3.466667
2	2	1	5	2.333333
2	2	1	6	1.266667
2	2	2	1	4.866667
2	2	2	2	4.866667
2	2	2	3	4.400000
2	2	2	4	3.600000
2	2	2	5	2.200000
2	2	2	6	1.200000
2	3	1	1	4.600000
2	3	1	2	4.733333
2	3	1	3	4.333333
2	3	1	4	3.666667
2	3	1	5	2.400000
2	3	1	6	1.200000
2	3	2	1	4.866667
2	3	2	2	4.933333
2	3	2	3	4.533333
2	3	2	4	3.533333
2	3	2	5	2.400000
2	3	2	6	1.133333

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC) DESCRIPTIVE STATISTICS

This section presents means, confidence limits and standard deviations for each condition of the Lower-Adjacent Channel Interference test. The first two tables show statistics separated by Replicate (1 and 2). The third table shows statistics collapsed across Replicate.

The tables are organized into 5 columns as follows:

Valid N:	The number of observations.
Mean:	The mean judgement across viewers and repeated presentations.
Confid. ±95.000%:	Upper and lower confidence limits of each mean.
Std. Dev.:	Sample standard deviation: a measure of variability of each mean.

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC)
DESCRIPTIVE STATISTICS - by replicate
SIGNAL 1 (-35 dBm)

STAT. BASIC STATS	Descriptive Statistics (galoa-n.sta)				
Variable	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Std.Dev.
S1P1R1I1	30	4.800000	4.648084	4.951916	.406838
S1P1R1I2	30	4.866667	4.737563	4.995770	.345746
S1P1R1I3	30	3.766667	3.494852	4.038481	.727932
S1P1R1I4	30	3.433333	3.179824	3.686843	.678911
S1P1R1I5	30	2.233333	1.999558	2.467109	.626062
S1P1R1I6	30	1.833333	1.612242	2.054425	.592093
S1P1R2I1	30	4.933333	4.838597	5.028070	.253708
S1P1R2I2	30	4.766667	4.477705	5.055629	.773854
S1P1R2I3	30	3.800000	3.551922	4.048078	.664364
S1P1R2I4	30	3.433333	3.128186	3.738481	.817200
S1P1R2I5	30	2.433333	2.128186	2.738481	.817200
S1P1R2I6	30	1.500000	1.264857	1.735143	.629724
S1P2R1I1	30	4.933333	4.838597	5.028070	.253708
S1P2R1I2	30	4.900000	4.786063	5.013937	.305129
S1P2R1I3	30	3.933333	3.675126	4.191541	.691492
S1P2R1I4	30	3.466667	3.160732	3.772601	.819307
S1P2R1I5	30	2.500000	2.149851	2.850149	.937715
S1P2R1I6	30	1.833333	1.554533	2.112133	.746640
S1P2R2I1	30	4.933333	4.838597	5.028070	.253708
S1P2R2I2	30	4.933333	4.838597	5.028070	.253708
S1P2R2I3	30	4.066667	3.827805	4.305529	.639684
S1P2R2I4	30	3.633333	3.347719	3.918948	.764890
S1P2R2I5	30	2.766667	2.461519	3.071814	.817200
S1P2R2I6	30	1.633333	1.403708	1.862959	.614948
S1P3R1I1	30	4.933333	4.838597	5.028070	.253708
S1P3R1I2	30	4.866667	4.737563	4.995770	.345746
S1P3R1I3	30	4.033333	3.850315	4.216352	.490133
S1P3R1I4	30	3.466667	3.212211	3.721123	.681445
S1P3R1I5	30	2.933333	2.624272	3.242395	.827682
S1P3R1I6	30	1.700000	1.477464	1.922536	.595963
S1P3R2I1	30	4.900000	4.786063	5.013937	.305129
S1P3R2I2	30	4.866667	4.704544	5.028789	.434172
S1P3R2I3	30	4.033333	3.825700	4.240967	.556053
S1P3R2I4	30	3.633333	3.403708	3.862959	.614948
S1P3R2I5	30	2.966667	2.634366	3.298968	.889918
S1P3R2I6	30	1.533333	1.298532	1.768135	.628810

S = Signal; P = Picture; R = Replicate; I = Impairment Level

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC)
DESCRIPTIVE STATISTICS - by replicate
SIGNAL 2 (-55 dBm)

STAT. BASIC STATS	Descriptive Statistics (galoa-n.sta)				
Variable	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Std.Dev.
S2P1R1I1	30	4.633333	4.403708	4.862959	.614948
S2P1R1I2	30	4.633333	4.383646	4.883021	.668675
S2P1R1I3	30	3.966667	3.759033	4.174300	.556053
S2P1R1I4	30	3.200000	2.933245	3.466755	.714384
S2P1R1I5	30	1.933333	1.694471	2.172195	.639684
S2P1R1I6	30	1.166667	.994477	1.338857	.461133
S2P1R2I1	30	4.633333	4.450315	4.816352	.490133
S2P1R2I2	30	4.733333	4.565384	4.901283	.449776
S2P1R2I3	30	3.800000	3.594305	4.005695	.550861
S2P1R2I4	30	3.300000	3.037789	3.562211	.702213
S2P1R2I5	30	1.966667	1.698413	2.234920	.718395
S2P1R2I6	30	1.400000	1.012689	1.787311	1.037238
S2P2R1I1	30	4.733333	4.565384	4.901283	.449776
S2P2R1I2	30	4.766667	4.578467	4.954866	.504007
S2P2R1I3	30	4.300000	4.056816	4.543184	.651259
S2P2R1I4	30	3.466667	3.231865	3.701468	.628810
S2P2R1I5	30	1.933333	1.675126	2.191541	.691492
S2P2R1I6	30	1.166667	.994477	1.338857	.461133
S2P2R2I1	30	4.766667	4.578467	4.954866	.504007
S2P2R2I2	30	4.833333	4.691794	4.974873	.379049
S2P2R2I3	30	4.333333	4.129203	4.537464	.546672
S2P2R2I4	30	3.533333	3.298532	3.768135	.628810
S2P2R2I5	30	2.100000	1.852893	2.347107	.661764
S2P2R2I6	30	1.100000	.986063	1.213937	.305129
S2P3R1I1	30	4.733333	4.494471	4.972195	.639684
S2P3R1I2	30	4.700000	4.500234	4.899766	.534983
S2P3R1I3	30	4.133333	3.898532	4.368135	.628810
S2P3R1I4	30	3.600000	3.367945	3.832055	.621455
S2P3R1I5	30	2.266667	1.957605	2.575728	.827682
S2P3R1I6	30	1.166667	.994477	1.338857	.461133
S2P3R2I1	30	4.800000	4.648084	4.951916	.406838
S2P3R2I2	30	4.666667	4.462536	4.870797	.546672
S2P3R2I3	30	4.366667	4.159033	4.574300	.556053
S2P3R2I4	30	3.500000	3.245229	3.754771	.682288
S2P3R2I5	30	2.433333	2.161519	2.705148	.727932
S2P3R2I6	30	1.233333	.944371	1.522295	.773854

S = Signal; P = Picture; R = Replicate; I = Impairment Level

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC)
DESCRIPTIVE STATISTICS - collapsed across replicate

STAT. BASIC STATS	Descriptive Statistics (galoa-nj.sta)				
Variable	Valid N	Mean	Confid. -95.000%	Confid. +95.000%	Std.Dev.
S1P1I1	60	4.866667	4.778111	4.955222	.342803
S1P1I2	60	4.816667	4.662610	4.970724	.596364
S1P1I3	60	3.783333	3.604791	3.961875	.691147
S1P1I4	60	3.433333	3.240918	3.625749	.744850
S1P1I5	60	2.333333	2.145078	2.521589	.728748
S1P1I6	60	1.666667	1.504212	1.829122	.628872
S1P2I1	60	4.933333	4.868351	4.998315	.251549
S1P2I2	60	4.916667	4.844666	4.988667	.278718
S1P2I3	60	4.000000	3.828513	4.171487	.663836
S1P2I4	60	3.550000	3.345844	3.754156	.790301
S1P2I5	60	2.633333	2.405400	2.861267	.882344
S1P2I6	60	1.733333	1.556222	1.910444	.685607
S1P3I1	60	4.916667	4.844666	4.988667	.278718
S1P3I2	60	4.866667	4.766147	4.967186	.389118
S1P3I3	60	4.033333	3.899088	4.167578	.519670
S1P3I4	60	3.550000	3.382348	3.717652	.648989
S1P3I5	60	2.950000	2.729849	3.170151	.852215
S1P3I6	60	1.616667	1.458266	1.775068	.613179
S2P1I1	60	4.633333	4.490912	4.775755	.551321
S2P1I2	60	4.683333	4.536802	4.829865	.567231
S2P1I3	60	3.883333	3.739923	4.026744	.555151
S2P1I4	60	3.250000	3.068111	3.431889	.704104
S2P1I5	60	1.950000	1.775732	2.124268	.674600
S2P1I6	60	1.283333	1.075516	1.491150	.804472
S2P2I1	60	4.750000	4.627580	4.872420	.473895
S2P2I2	60	4.800000	4.685456	4.914544	.443407
S2P2I3	60	4.316667	4.162610	4.470724	.596364
S2P2I4	60	3.500000	3.338710	3.661290	.624364
S2P2I5	60	2.016667	1.841967	2.191366	.676273
S2P2I6	60	1.133333	1.032814	1.233853	.389118
S2P3I1	60	4.766667	4.629093	4.904240	.532556
S2P3I2	60	4.683333	4.544736	4.821931	.536519
S2P3I3	60	4.250000	4.094967	4.405033	.600141
S2P3I4	60	3.550000	3.382348	3.717652	.648989
S2P3I5	60	2.350000	2.149195	2.550805	.777327
S2P3I6	60	1.200000	1.036619	1.363381	.632456

S = Signal; P = Picture; I = Impairment Level

APPENDIX M

CO-CHANNEL INTERFERENCE (ATV-to-NTSC)

ANALYSES

CO-CHANNEL INTERFERENCE (ATV-to-NTSC)
RAW DATA

Raw data for individual viewers is presented in tabular form. Each row of the table consists of 85 entries. Within a row, entries 1-13 present information about the test and the viewer. Specifically, headers present information as follows: SYSTEM (gal = Grand Alliance), TEST (coa = co-channel interference), SOURCE (aton = ATV-into-NTSC), ID (viewer number), MONTH, DAY, YEAR, SESSION (1 = 9:30 am, 2 = 11:30 am, 3 = 1:30 pm), SEAT (1-5 in 30° arc), TAPEORD (tape order 1 or 2), AGE, SEX (1 = male, 2 = female), CITIZEN (citizenship of viewer: 1= Canadian, 2 = American, 3 = Other).

Entries 14-49 present data for Signal (-55 dBm). Under Signal, data is nested by Picture (P = 1, 2, or 3), Replicate (R = 1 or 2), and Impairment Level (I = 1, 2, 3, 4, 5 or 6).

Data values range from 1 - 5 such that:
1 = "Very Annoying"; 2 = "Annoying"; 3 = "Slightly Annoying";
4 = "Perceptible, but not Annoying"; 5 = "Imperceptible".

data file: gacoa-n.sta [26 cases with 49 variables]

	1 SYSTEM	2 TEST	3 SOURCE	4 ID	5 MONTH	6 DAY	7 YEAR	8 SESSION	9 SEAT	10 TAPEORD	11 AGE	12 SEX
1	gal	coa	aton	2611	6	2	95	1	2	1	25	1
2	gal	coa	aton	2612	6	2	95	1	3	1	27	1
3	gal	coa	aton	2613	6	2	95	1	4	1	24	2
4	gal	coa	aton	2614	6	2	95	1	5	1	27	1
5	gal	coa	aton	2620	6	2	95	3	1	1	21	2
6	gal	coa	aton	2621	6	2	95	3	2	1	20	2
7	gal	coa	aton	2622	6	2	95	3	3	1	21	1
8	gal	coa	aton	2623	6	2	95	3	4	1	51	1
9	gal	coa	aton	2629	6	5	95	2	1	1	26	2
10	gal	coa	aton	2630	6	5	95	2	2	1	32	1
11	gal	coa	aton	2631	6	5	95	2	3	1	24	1
12	gal	coa	aton	2632	6	5	95	2	4	1	40	2
13	gal	coa	aton	2633	6	5	95	2	5	1	43	1
14	gal	coa	aton	2615	6	2	95	2	1	2	20	1
15	gal	coa	aton	2616	6	2	95	2	2	2	23	1
16	gal	coa	aton	2617	6	2	95	2	3	2	20	1
17	gal	coa	aton	2618	6	2	95	2	4	2	22	2
18	gal	coa	aton	2619	6	2	95	2	5	2	23	2
19	gal	coa	aton	2624	6	5	95	1	1	2	23	2
20	gal	coa	aton	2625	6	5	95	1	2	2	26	1
21	gal	coa	aton	2626	6	5	95	1	3	2	18	1
22	gal	coa	aton	2627	6	5	95	1	4	2	22	2
23	gal	coa	aton	2628	6	5	95	1	5	2	21	2
24	gal	coa	aton	2635	6	5	95	3	2	2	25	1
25	gal	coa	aton	2636	6	5	95	3	3	2	21	1
26	gal	coa	aton	2637	6	5	95	3	4	2	24	1

S = Signal; P = Picture; R = Replicate; I = Impairment Level

	13	14	15	16	7	18	19	20	21	22	23	24
	CITIZEN	P1R1I1	P1R1I2	P1R1I3	P1R1 4	P1R1I5	P1R1I6	P1R2I1	P1R2I2	P1R2I3	P1R2I4	P1R2I5
1	1	5	5	5	4	3	2	5	5	4	4	3
2	1	5	4	4	3	3	1	5	4	3	3	3
3	1	4	4	4	4	2	2	4	4	4	4	3
4	1	5	4	3	3	2	1	4	4	4	3	2
5	1	4	4	4	3	2	1	5	5	4	4	3
6	2	4	5	5	4	3	2	5	4	5	4	3
7	3	5	4	4	3	3	1	5	4	4	3	3
8	3	4	5	4	3	3	1	4	4	4	4	3
9	1	3	4	4	2	2	2	4	4	3	3	2
10	3	4	4	3	2	1	1	4	4	3	3	2
11	1	5	5	4	2	2	1	5	5	4	3	2
12	3	5	5	4	3	2	1	5	5	5	4	2
13	3	5	5	4	4	2	1	5	5	5	4	2
14	3	5	5	4	2	1	1	5	4	4	3	2
15	1	5	5	4	3	3	2	5	5	4	3	4
16	1	4	4	4	2	2	1	5	5	4	4	3
17	3	4	4	4	2	3	1	4	4	4	3	3
18	1	4	4	4	3	2	1	4	4	4	3	2
19	1	5	5	5	3	3	1	5	5	4	3	2
20	1	5	4	4	3	1	1	4	5	4	2	2
21	3	5	5	5	3	2	1	5	4	4	3	2
22	3	5	3	5	2	2	1	5	5	4	3	2
23	3	4	4	3	2	1	1	4	3	4	3	2
24	1	5	5	4	3	3	2	5	5	5	3	3
25	1	5	5	4	3	2	1	4	5	4	2	2
26	1	4	5	4	3	1	1	5	5	4	3	2

	P1R2I6	P2R1I1	P2R1I2	P2R1I3	P2R1I4	P2R1I5	P2R1I6	P2R2I1	P2R2I2	P2R2I3	P2R2I4	P2R2I5
1	2	5	5	4	4	4	2	5	5	4	4	4
2	1	4	5	4	3	3	2	5	4	4	4	3
3	1	4	4	4	4	3	1	4	4	4	3	3
4	1	4	5	4	3	3	1	4	5	4	2	2
5	1	5	5	4	2	2	1	5	5	3	2	2
6	2	5	5	5	3	2	2	5	4	4	3	3
7	1	5	5	4	3	3	2	5	5	4	3	3
8	1	5	5	4	3	3	1	5	5	4	4	3
9	1	4	3	3	4	2	1	4	3	4	2	2
10	1	4	4	3	2	2	1	4	3	3	3	2
11	1	5	5	4	3	2	1	5	5	4	3	2
12	1	5	5	5	3	3	1	5	5	4	4	3
13	1	5	5	5	3	2	1	5	5	5	4	2
14	1	5	5	4	3	3	1	5	5	4	3	2
15	1	5	5	4	4	3	1	5	5	4	3	3
16	1	5	5	4	3	3	1	5	5	4	4	3
17	1	4	4	4	4	2	1	4	4	4	3	3
18	1	4	4	4	3	2	1	4	4	4	3	3
19	1	5	5	5	4	3	1	5	5	5	4	2
20	1	5	5	5	3	1	1	5	5	4	3	2
21	1	5	5	4	3	3	1	5	5	4	3	2
22	1	5	4	3	2	1	1	5	5	4	2	2
23	1	4	4	4	1	1	5	4	4	4	3	3
24	1	5	5	4	3	3	1	2	5	5	4	3
25	1	4	5	4	3	2	1	5	4	4	3	2
26	1	5	4	4	3	1	1	5	4	4	3	2

S = Signal; P = Picture; R = Replicate; I = Impairment Level

	37	38	39	40	41	42	43	44	45	46	47	48
	P2R2I6	P3R1I1	P3R1I2	P3R1I3	P3R1I4	P3R1I5	P3R1I6	P3R2I1	P3R2I2	P3R2I3	P3R2I4	P3R2I5
1	2	5	5	5	4	4	2	5	5	5	3	3
2	1	4	5	4	3	2	2	4	5	4	3	3
3	1	4	4	4	4	3	1	4	4	4	4	3
4	1	5	5	4	4	2	2	5	3	5	4	2
5	1	5	5	4	2	2	2	5	5	4	3	2
6	1	5	5	4	3	3	2	5	5	5	4	3
7	1	5	5	4	3	3	2	5	5	4	3	3
8	1	5	5	4	2	2	2	5	4	4	3	3
9	1	4	4	4	4	2	1	4	4	4	2	2
10	1	4	4	4	3	1	2	4	4	4	3	2
11	1	5	5	4	3	1	1	5	5	4	3	2
12	1	5	5	5	4	2	2	5	5	5	4	2
13	1	5	5	5	3	2	1	5	5	5	4	3
14	1	5	5	4	3	2	1	5	5	5	4	3
15	1	5	4	5	4	2	2	4	5	4	4	3
16	1	5	4	5	4	2	2	5	5	5	4	2
17	2	4	4	4	3	2	2	4	4	4	4	3
18	1	4	4	4	3	2	1	4	4	4	3	2
19	1	5	5	5	4	2	1	5	5	4	4	2
20	1	5	4	5	3	1	1	5	4	4	4	1
21	2	5	5	5	4	3	2	5	5	5	3	2
22	1	4	5	5	3	1	1	5	5	4	3	1
23	1	4	4	4	2	2	1	4	4	4	3	3
24	1	4	5	5	4	4	2	4	5	5	3	2
25	1	5	5	4	3	2	1	5	5	4	3	2
26	1	5	5	4	3	2	1	5	5	4	3	2

	P3R2I6
1	2
2	2
3	2
4	2
5	2
6	2
7	2
8	1
9	1
10	1
11	1
12	1
13	1
14	3
15	2
16	2
17	2
18	1
19	1
20	1
21	2
22	1
23	1
24	2
25	1
26	1

S = Signal; P = Picture; R = Replicate; I = Impairment Level

CO-CHANNEL INTERFERENCE (ATV-to-NTSC)
OVERALL ANOVA

This section presents the results of the overall ANOVA, for the Co-Channel Interference test.

The four design factors are assigned numerical indices as follows: 1= Tape Order, 2 = Picture, 3 = Replicate, and 4 = Impairment Level.

The tables are organized into 7 columns, as follows:

Effect:	Sources of statistical effects given the design of the test. Main Effects (effects of individual factors) are listed first and labeled with the corresponding one-digit indices. Interaction Effects (joint effects of two or more factors) are listed next, and labeled with the corresponding two-digit or three-digit indices.
***df* Effect:**	Degrees of freedom for the Effect term (MS Effect).
MS Effect:	Variance that can be attributed to the given effect, referred to technically as the Mean Square Effect.
***df* Error:**	Degrees of freedom for the error term (MS Error).
MS Error:	Error variance for the given Effect, referred to technically as the Mean Square Error.
***F*:**	The ratio of MS Effect to MS Error for the given Effect.
***p*-level:**	The probability that the observed ***F***-ratio is due to chance.

CO-CHANNEL INTERFERENCE (ATV-to-NTSC)
OVERALL ANOVA

STAT. GENERAL MANOVA	Summary of all Effects; design: (gacoa-n.sta) 1-TAPEORD, 2-PICTURE, 3-REPLICAT, 4-IMPLEVEL					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	.9615	24	3.003205	.3202	.576758
2*	2*	3.0267*	48*	.245994*	12.3040*	.000049*
3	1	.3462	24	.286681	1.2075	.282739
4*	5*	280.9273*	120*	.617949*	454.6127*	0.000000*
12	2	.1250	48	.245994	.5081	.604811
13	1	.1068	24	.286681	.3727	.547290
23	2	.2596	48	.145388	1.7857	.178644
14	5	.7308	120	.617949	1.1826	.321765
24*	10*	.6395*	240*	.222596*	2.8731*	.002104*
34*	5*	.7667*	120*	.237749*	3.2247*	.009099*
123	2	.0844	48	.145388	.5805	.563484
124	10	.3404	240	.222596	1.5292	.129568
134	5	.1940	120	.237749	.8161	.540492
234	10	.0724	240	.189726	.3818	.953832
1234	10	.1408	240	.189726	.7422	.684279

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(1,24)=.32; p<.5768
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	....	....	3.388889
2	....	....	....	3.324786

STAT. GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(2,48)=12.30; p<.0000
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	....	3.266026
....	2	....	....	3.342949
....	3	....	....	3.461539

STAT. + GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(1,24)=1.21; p<.2827
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	....	3.337607
....	....	2	....	3.376068

STAT. GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(5,120)=454.61; p<0.000
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	....	1	4.621795
....	....	....	2	4.564103
....	....	....	3	4.160256
....	....	....	4	3.153846
....	....	....	5	2.339744
....	....	....	6	1.301282

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(2,48)=.51; p<.6048
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	....	3.320513
1	2	....	....	3.358974
1	3	....	....	3.487180
2	1	....	....	3.211539
2	2	....	....	3.326923
2	3	....	....	3.435897

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(1,24)=.37; p<.5473
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	1	....	3.380342
1	....	2	....	3.397436
2	....	1	....	3.294872
2	....	2	....	3.354701

STAT. GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(2,48)=1.79; p<.1786
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	1	....	3.217949
....	1	2	....	3.314103
....	2	1	....	3.352564
....	2	2	....	3.333333
....	3	1	....	3.442308
....	3	2	....	3.480769

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(5,120)=1.18; p<.3218
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	....	1	4.628205
1	....	....	2	4.551282
1	....	....	3	4.102564
1	....	....	4	3.230769
1	....	....	5	2.474359
1	....	....	6	1.346154
2	....	....	1	4.615385
2	....	....	2	4.576923
2	....	....	3	4.217949
2	....	....	4	3.076923
2	....	....	5	2.205128
2	....	....	6	1.256410

STAT. GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(10,240)=2.87; p<.0021
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	1	4.576923
....	1	....	2	4.461538
....	1	....	3	4.057693
....	1	....	4	3.038461
....	1	....	5	2.307692
....	1	....	6	1.153846
....	2	....	1	4.634615
....	2	....	2	4.596154
....	2	....	3	4.057693
....	2	....	4	3.096154
....	2	....	5	2.461539
....	2	....	6	1.211538
....	3	....	1	4.653846
....	3	....	2	4.634615
....	3	....	3	4.365385
....	3	....	4	3.326923
....	3	....	5	2.250000
....	3	....	6	1.538462

STAT. GENERAL MANOVA				Means (unweighted) (gacoa-n.sta) F(5,120)=3.22; p<.0091
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	1	4.615385
....	....	1	2	4.589744
....	....	1	3	4.179487
....	....	1	4	3.051282
....	....	1	5	2.230769
....	....	1	6	1.358974
....	....	2	1	4.628205
....	....	2	2	4.538462
....	....	2	3	4.141026
....	....	2	4	3.256410
....	....	2	5	2.448718
....	....	2	6	1.243590

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(2,48)=.58; p<.5635
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	1	....	3.269231
1	1	2	....	3.371795
1	2	1	....	3.397436
1	2	2	....	3.320513
1	3	1	....	3.474359
1	3	2	....	3.500000
2	1	1	....	3.166667
2	1	2	....	3.256410
2	2	1	....	3.307692
2	2	2	....	3.346154
2	3	1	....	3.410256
2	3	2	....	3.461539

STAT. GENERAL MANOVA				Means (gacoa-n.sta) F(10,240)=1.53; p<.1296
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	1	4.538462
1	1	....	2	4.423077
1	1	....	3	4.000000
1	1	....	4	3.307692
1	1	....	5	2.423077
1	1	....	6	1.230769
1	2	....	1	4.653846
1	2	....	2	4.576923
1	2	....	3	4.000000
1	2	....	4	3.115385
1	2	....	5	2.615385
1	2	....	6	1.192308
1	3	....	1	4.692307
1	3	....	2	4.653846
1	3	....	3	4.307693
1	3	....	4	3.269231
1	3	....	5	2.384615
1	3	....	6	1.615385
2	1	....	1	4.615385
2	1	....	2	4.500000
2	1	....	3	4.115385
2	1	....	4	2.769231
2	1	....	5	2.192308
2	1	....	6	1.076923
2	2	....	1	4.615385
2	2	....	2	4.615385
2	2	....	3	4.115385
2	2	....	4	3.076923
2	2	....	5	2.307692
2	2	....	6	1.230769
2	3	....	1	4.615385
2	3	....	2	4.615385
2	3	....	3	4.423077
2	3	....	4	3.384615
2	3	....	5	2.115385
2	3	....	6	1.461538