STAT. GENERAL MANOVA				Means (10prodel.sta) F(18,612)=2.21; p<.0029
SYSTEM	TAPE_ORD	REPLICAT	PICTURE	Depend. Var.1
CCD	1	1	1	-6.8150
CCD	1	1	2	-29.1300
CCD	1	1	3	-21.5600
CCD	1	1	4	-24.2400
CCD	1	1	5	-30.4900
CCD	1	1	6	-25.9950
CCD	1	1	7	-38.2200
CCD	1	1	8	-37.0300
CCD	1	1	9	-36.8000
CCD	1	1	10	-28.7450
CCD	1	2	1	-16.9950
CCD	1	2	2	-31.2050
CCD	1	2	3	-17.3650
CCD	1	2	4	-25.9200
CCD	1	2	5	-31.8350
CCD	1	2	6	-21.8300
CCD	1	2	7	-42.3000
CCD	1	2	8	-37.9250
CCD	1	2	9	-41.3700
CCD	1	2	10	-30.5050
CCD	2	1	1	-4.3393
CCD	2	1	2	-23.7929
CCD	2	1	3	-7.7214
CCD	2	1	4	-21.3357
CCD	2	1	5	-22.1286
CCD	2	1	6	-11.2107
CCD	2	1	7	-29.0643
CCD	2	1	8	-35.0786
CCD	2	1	9	-29.9643
CCD	2	1	10	-12.6643
CCD	2	2	1	-4.2536
CCD	2	2	2	-18.9679
CCD	2	2	3	-10.7143
CCD	2	2	4	-18.1071
CCD	2	2	5	-29.0000
CCD	2	2	6	-20.0357
CCD	2	2	7	-25.5929
CCD	2	2	8	-27.8536
CCD	2	2	9	-32.0714
CCD	2	2	10	-18.8071

STAT. GENERAL MANOVA				Means (10prodel.sta) F(18,612)=2.21; p<.0029
SYSTEM	TAPE_ORD	REPLICAT	PICTURE	Depend. Var.1
DSC	1	1	1	-14.9250
DSC	1	1	2	-11.0650
DSC	1	1	3	-14.8600
DSC	1	1	4	-12.3050
DSC	1	1	5	-22.7750
DSC	1	1	6	-12.6300
DSC	1	1	7	-7.2450
DSC	1	1	8	-20.7250
DSC	1	1	9	-17.7650
DSC	1	1	10	-22.1150
DSC	1	2	1	-17.0650
DSC	1	2	2	-9.6200
DSC	1	2	3	-4.5550
DSC	1	2	4	-5.2600
DSC	1	2	5	-27.8850
DSC	1	2	6	-23.5300
DSC	1	2	7	-19.2050
DSC	1	2	8	-22.3850
DSC	1	2	9	-22.2150
DSC	1	2	10	-17.5100
DSC	2	1	1	-26.7577
DSC	2	1	2	-8.0346
DSC	2	1	3	-10.2885
DSC	2	1	4	-8.6577
DSC	2	1	5	-27.9577
DSC	2	1	6	-7.0692
DSC	2	1	7	-21.2269
DSC	2	1	8	-31.2692
DSC	2	1	9	-28.5577
DSC	2	1	10	-19.4115
DSC	2	2	1	-31.3808
DSC	2	2	2	-11.8731
DSC	2	2	3	-12.3423
DSC	2	2	4	-15.7808
DSC	2	2	5	-29.5154
DSC	2	2	6	-22.1000
DSC	2	2	7	-22.6577
DSC	2	2	8	-29.6115
DSC	2	2	9	-29.0038
DSC	2	2	10	-23.2885

STAT. GENERAL MANOVA				Means (10prodel.sta) F(18,612)=2.21; p<.0029
SYSTEM	TAPE_ORD	REPLICAT	PICTURE	Depend. Var.1
GA	1	1	1	-.1250
GA	1	1	2	-1.3714
GA	1	1	3	-.0429
GA	1	1	4	-.9714
GA	1	1	5	.3679
GA	1	1	6	2.8107
GA	1	1	7	-3.6250
GA	1	1	8	-.6536
GA	1	1	9	-.7786
GA	1	1	10	-3.0750
GA	1	2	1	-4.5786
GA	1	2	2	-5.3429
GA	1	2	3	2.7929
GA	1	2	4	1.8286
GA	1	2	5	.7036
GA	1	2	6	-3.1000
GA	1	2	7	-1.8429
GA	1	2	8	-.2286
GA	1	2	9	-4.6357
GA	1	2	10	-2.3786
GA	2	1	1	1.3038
GA	2	1	2	-2.9731
GA	2	1	3	.7538
GA	2	1	4	-2.8654
GA	2	1	5	-4.0654
GA	2	1	6	-4.4077
GA	2	1	7	.2500
GA	2	1	8	-1.0462
GA	2	1	9	3.0423
GA	2	1	10	-1.7000
GA	2	2	1	-4.5231
GA	2	2	2	-2.5654
GA	2	2	3	-1.5231
GA	2	2	4	-3.5808
GA	2	2	5	.8192
GA	2	2	6	1.0154
GA	2	2	7	-4.4115
GA	2	2	8	-5.2654
GA	2	2	9	1.5462
GA	2	2	10	.1846

APPENDIX L

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC) ANALYSES

LOWER-ADJACENT 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 (loa = lower-adjacent 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 1 (-35 dBm). Entries 50-85 present data for Signal 2 (-55 dBm). Under each 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: galoa-n.sta [30 cases with 85 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	loa	aton	2554	5	29	95	1	1	1	22	2
2	gal	loa	aton	2555	5	29	95	1	2	1	23	2
3	gal	loa	aton	2556	5	29	95	1	3	1	21	1
4	gal	loa	aton	2557	5	29	95	1	4	1	25	1
5	gal	loa	aton	2558	5	29	95	1	5	1	23	1
6	gal	loa	aton	2564	5	29	95	3	4	1	36	1
7	gal	loa	aton	2565	5	29	95	3	5	1	24	2
8	gal	loa	aton	2566	5	29	95	3	1	1	28	2
9	gal	loa	aton	2567	5	29	95	3	3	1	21	2
10	gal	loa	aton	2568	5	29	95	3	2	1	30	2
11	gal	loa	aton	2574	5	30	95	2	1	1	20	2
12	gal	loa	aton	2575	5	30	95	2	2	1	27	1
13	gal	loa	aton	2576	5	30	95	2	3	1	24	2
14	gal	loa	aton	2577	5	30	95	2	4	1	20	2
15	gal	loa	aton	2578	5	30	95	2	5	1	27	2
16	gal	loa	aton	2559	5	29	95	2	1	2	20	1
17	gal	loa	aton	2560	5	29	95	2	2	2	32	1
18	gal	loa	aton	2561	5	29	95	2	3	2	30	2
19	gal	loa	aton	2562	5	29	95	2	4	2	22	1
20	gal	loa	aton	2563	5	29	95	2	5	2	21	1
21	gal	loa	aton	2569	5	30	95	1	1	2	20	2
22	gal	loa	aton	2570	5	30	95	1	2	2	25	1
23	gal	loa	aton	2571	5	30	95	1	3	2	21	2
24	gal	loa	aton	2572	5	30	95	1	4	2	26	1
25	gal	loa	aton	2573	5	30	95	1	5	2	32	1
26	gal	loa	aton	2579	5	30	95	3	1	2	19	1
27	gal	loa	aton	2580	5	30	95	3	2	2	23	1
28	gal	loa	aton	2581	5	30	95	3	3	2	23	1
29	gal	loa	aton	2582	5	30	95	3	4	2	21	1
30	gal	loa	aton	2583	5	30	95	3	5	2	19	1

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

	13	14	15	16	17	18	19	20	21	22	23	24
	CITIZEN	S1P1R1I1	S1P1R1I2	S1P1R1I3	S1P1R1I4	S1P1R1I5	S1P1R1I6	S1P1R2I1	S1P1R2I2	S1P1R2I3	S1P1R2I4	S1P1R2I5
1	1	5	5	4	4	3	2	5	5	4	4	3
2	3	5	5	4	3	2	1	5	5	4	3	2
3	1	5	5	3	3	1	1	5	5	3	2	1
4	1	5	5	4	4	3	2	5	5	4	4	3
5	1	5	5	4	4	2	2	5	5	4	3	2
6	1	5	4	2	2	1	1	5	5	2	1	1
7	1	4	5	3	3	2	1	5	5	4	3	3
8	1	5	4	2	2	2	1	4	1	2	2	2
9	3	4	4	3	4	3	1	4	4	3	3	2
10	3	4	5	3	4	1	1	5	4	3	2	1
11	1	4	5	3	3	2	2	5	5	4	3	1
12	1	5	5	4	4	2	2	5	5	4	4	3
13	1	5	5	4	4	3	2	5	5	4	4	2
14	1	5	5	4	4	3	3	5	5	4	4	4
15	1	5	5	4	5	2	2	5	5	4	4	3
16	1	4	5	4	4	3	2	5	5	4	4	3
17	1	5	5	5	3	2	2	5	5	4	4	3
18	1	5	5	4	3	2	1	5	5	3	4	2
19	3	5	5	4	3	2	2	5	5	4	4	3
20	1	5	4	4	3	2	2	5	5	4	3	3
21	1	5	5	5	4	3	3	5	5	5	4	4
22	1	5	5	4	3	2	2	5	5	4	3	2
23	1	5	5	4	4	2	2	5	5	4	4	2
24	1	5	5	3	3	3	2	5	5	4	4	2
25	1	5	5	4	3	2	2	5	5	5	4	3
26	3	5	5	4	3	2	2	5	4	4	3	3
27	3	5	5	4	4	3	3	5	5	4	4	3
28	1	5	5	4	3	2	2	5	5	4	4	3
29	3	5	5	4	3	3	2	5	5	4	4	2
30	3	4	5	5	4	2	2	5	5	4	4	2

	25	26	27	28	29	30	31	32	33	34	35	36
	S1P1R2I6	S1P2R1I1	S1P2R1I2	S1P2R1I3	S1P2R1I4	S1P2R1I5	S1P2R1I6	S1P2R2I1	S1P2R2I2	S1P2R2I3	S1P2R2I4	S1P2R2I5
1	2	5	5	4	4	3	2	5	5	5	4	3
2	1	5	5	4	4	2	1	5	5	4	4	2
3	1	5	5	3	2	1	1	5	5	4	3	2
4	2	5	5	5	4	3	2	5	5	5	4	3
5	1	5	5	4	4	2	1	5	5	4	3	2
6	1	5	5	2	3	1	1	5	5	3	2	1
7	1	5	5	5	4	4	2	4	5	5	4	3
8	1	5	4	2	2	2	3	5	4	3	1	2
9	1	4	4	4	3	2	1	4	4	4	3	2
10	1	5	5	3	1	1	1	5	5	3	3	1
11	1	5	5	4	3	2	1	5	5	3	3	2
12	2	5	5	4	4	3	2	5	5	4	4	3
13	1	5	5	4	3	2	1	5	5	4	4	3
14	2	5	5	4	4	4	2	5	5	5	4	4
15	1	5	5	5	4	3	2	5	5	5	4	3
16	1	5	5	4	4	4	2	5	5	4	4	4
17	2	4	5	4	3	3	2	5	5	4	4	3
18	1	5	5	4	3	2	2	5	5	4	4	3
19	2	5	5	4	4	2	2	5	5	4	4	3
20	2	5	5	4	3	3	2	5	5	4	4	3
21	3	5	5	5	5	4	4	5	5	5	5	4
22	1	5	4	4	3	2	2	5	5	4	4	3
23	2	5	5	4	4	2	2	5	5	4	4	4
24	1	5	5	4	4	3	2	5	5	4	4	3
25	1	5	5	4	3	3	2	5	5	4	4	3
26	2	5	5	4	4	1	1	5	5	5	3	2
27	3	5	5	4	4	4	3	5	5	4	4	4
28	1	5	5	4	4	2	1	5	5	4	4	2
29	2	5	5	4	4	2	2	5	5	4	3	3
30	2	5	5	4	3	3	3	5	5	3	4	3

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

	37	38	39	40	41	42	43	44	45	46	47	48
	S1P2R2I6	S1P3R1I1	S1P3R1I2	S1P3R1I3	S1 3R1I4	S1P3R1I5	S1P3R1I6	S1P3R2I1	S1P3R2I2	S1P3R2I3	S1P3R2I4	S1P3R2I5
1	2	5	5	4	4	4	2	5	5	5	4	4
2	1	5	5	5	3	3	1	5	5	5	4	3
3	1	5	5	4	3	2	1	5	5	4	4	2
4	2	5	5	4	4	4	2	5	5	4	4	3
5	1	5	5	4	4	3	2	5	5	4	4	3
6	1	5	5	3	2	1	1	5	5	3	2	1
7	1	4	5	5	4	4	1	4	5	5	4	3
8	1	5	4	3	3	2	1	5	4	3	2	2
9	1	4	4	4	3	2	1	4	3	3	3	2
10	1	5	5	3	2	2	1	5	4	4	3	1
11	2	5	5	4	3	4	2	5	5	3	3	2
12	2	5	5	4	4	3	2	5	5	4	4	4
13	1	5	5	4	4	3	2	5	5	4	4	4
14	2	5	5	5	4	4	2	5	5	4	4	4
15	1	5	5	4	4	3	2	5	5	4	4	4
16	2	5	5	4	4	4	2	5	5	4	4	4
17	1	5	5	4	3	3	3	5	5	4	4	4
18	1	5	5	4	3	2	1	5	5	4	3	3
19	2	5	5	4	3	3	2	5	5	4	4	3
20	2	5	5	4	4	3	2	5	5	4	4	3
21	3	5	5	5	5	4	3	5	5	5	4	4
22	2	5	5	4	3	3	2	4	5	4	4	3
23	2	5	5	4	4	2	2	5	5	4	4	4
24	2	5	5	4	3	3	2	5	5	5	4	3
25	2	5	4	4	3	2	2	5	5	4	3	3
26	2	5	5	4	3	2	1	5	5	4	4	2
27	3	5	5	4	4	4	2	5	5	4	4	3
28	1	5	4	4	3	3	1	5	5	4	3	2
29	2	5	5	4	4	3	2	5	5	4	4	3
30	2	5	5	4	4	3	1	5	5	4	3	3

	49	50	51	52	53	54	55	56	57	58	59	60
	S1P3R2I6	S2P1R1I1	S2P1R1I2	S2P1R1I3	S2P1R1I4	S2P1R1I5	S2P1R1I6	S2P1R2I1	S2P1R2I2	S2P1R2I3	S2P1R2I4	S2P1R2I5
1	2	5	5	4	4	2	1	5	5	4	4	2
2	1	5	5	4	3	2	1	5	5	4	3	2
3	1	5	5	4	2	1	1	4	4	3	2	1
4	2	5	5	4	4	2	1	5	5	4	3	2
5	2	5	5	4	4	2	1	5	5	4	3	2
6	1	3	4	3	2	1	1	4	4	2	2	1
7	1	5	5	5	2	2	1	5	5	3	3	2
8	1	3	3	3	2	1	1	5	5	3	4	1
9	1	4	4	3	3	2	1	4	4	3	2	2
10	1	4	3	3	3	1	1	4	4	3	2	1
11	1	5	5	3	3	2	1	4	4	4	3	1
12	2	5	5	4	4	2	1	5	5	4	4	2
13	2	5	5	4	3	3	1	5	5	4	4	3
14	3	5	5	4	4	3	1	5	5	4	4	3
15	1	5	5	4	4	3	1	4	5	4	4	2
16	1	5	5	4	3	2	1	4	5	4	4	2
17	2	5	5	4	3	2	1	4	5	4	3	2
18	1	4	5	4	3	1	1	5	5	4	4	1
19	2	5	5	4	3	2	1	4	5	4	3	2
20	2	5	5	5	4	2	1	5	5	4	3	2
21	3	5	5	5	4	3	2	5	5	5	4	4
22	1	4	4	4	2	2	1	5	4	4	3	2
23	2	5	5	4	4	2	2	5	5	4	4	2
24	2	5	4	4	3	2	1	4	4	4	4	2
25	2	5	5	4	3	2	1	5	5	4	4	2
26	1	4	5	4	3	1	1	5	5	4	3	2
27	2	5	5	5	4	3	2	5	5	4	4	3
28	1	4	5	4	3	2	1	5	5	4	3	1
29	1	4	4	4	4	2	1	4	4	4	3	2
30	1	5	3	4	3	1	3	5	5	4	3	3

	61	62	63	64	65	66	67	68	69	70	71	72
	S2P1R2I6	S2P2R1I1	S2P2R1I2	S2P2R1I3	S2P2R1I4	S2P2R1I5	S2P2R1I6	S2P2R2I1	S2P2R2I2	S2P2R2I3	S2P2R2I4	S2P2R2I5
1	1	5	5	5	4	2	2	5	5	5	4	3
2	1	5	5	5	4	2	1	5	5	4	4	2
3	1	4	4	4	3	1	1	5	5	4	2	1
4	1	5	5	5	4	2	1	5	5	5	4	2
5	1	5	5	4	4	2	1	5	5	4	4	2
6	1	4	5	4	2	1	1	4	5	4	3	1
7	5	4	4	5	4	1	1	5	5	5	4	2
8	1	4	3	3	2	1	1	3	4	3	3	1
9	5	4	4	4	3	1	1	4	4	4	3	2
10	1	4	5	3	3	1	1	4	5	4	2	1
11	1	4	5	4	3	1	1	5	4	4	3	2
12	1	5	5	5	4	2	1	5	5	4	4	2
13	1	5	5	4	4	2	1	5	5	4	4	3
14	2	4	5	5	4	2	1	5	5	5	4	3
15	1	5	5	5	4	2	1	5	5	5	4	3
16	1	5	5	4	4	3	1	5	5	4	4	2
17	1	5	5	4	4	2	1	5	4	4	3	2
18	1	5	5	5	3	2	1	5	5	4	4	2
19	1	5	5	4	4	2	2	5	5	4	3	2
20	2	5	5	4	4	3	1	5	5	4	3	2
21	2	5	5	5	4	4	3	5	5	5	4	4
22	1	5	5	4	3	2	1	4	5	4	3	2
23	2	5	5	5	4	2	2	5	5	5	4	2
24	1	5	5	5	3	2	1	5	5	4	4	2
25	1	5	5	4	3	2	1	5	5	5	4	2
26	1	5	5	3	3	2	1	4	5	5	3	2
27	1	5	5	5	4	3	1	5	5	5	4	3
28	1	5	5	4	3	2	1	5	5	4	3	2
29	1	5	4	4	3	2	1	5	4	4	4	2
30	1	5	4	4	3	2	1	5	5	5	4	2

	73	74	75	76	77	78	79	80	81	82	83	84
	S2P2R2I6	S2P3R1I1	S2P3R1I2	S2P3R1I3	S2P3R1I4	S2P3R1I5	S2P3R1I6	S2P3R2I1	S2P3R2I2	S2P3R2I3	S2P3R2I4	S2P3R2I5
1	1	5	5	5	4	2	1	5	5	5	4	3
2	1	5	5	4	4	2	1	5	5	4	4	2
3	1	5	5	4	3	1	1	4	4	4	3	2
4	1	5	5	4	4	2	1	5	5	4	4	3
5	1	5	5	4	4	3	1	5	5	4	4	3
6	1	4	4	3	2	1	1	4	4	3	2	2
7	1	5	5	5	4	1	1	5	4	5	4	3
8	1	5	4	3	2	1	1	4	3	4	2	1
9	1	4	4	3	3	1	1	4	4	4	4	2
10	1	5	4	3	3	4	1	5	5	4	3	1
11	1	5	4	4	4	2	1	5	4	4	3	2
12	1	5	5	4	4	3	1	5	4	4	3	3
13	1	5	5	4	4	3	1	5	4	4	4	3
14	1	5	5	4	4	3	3	5	5	5	4	4
15	1	5	5	5	4	3	1	5	5	5	4	3
16	1	5	5	4	4	3	1	5	5	5	4	3
17	1	4	4	4	4	2	1	5	5	4	3	2
18	1	5	5	4	4	2	1	5	5	5	3	2
19	1	5	5	4	4	2	1	5	5	4	3	2
20	1	4	5	4	3	3	1	5	5	4	4	3
21	2	5	5	5	4	4	2	5	5	5	5	4
22	1	5	5	4	4	2	1	4	5	4	3	2
23	2	5	5	5	4	2	2	5	5	5	4	2
24	1	5	5	4	3	3	1	5	5	5	4	2
25	1	4	4	4	4	2	1	5	5	5	4	2
26	1	5	5	5	3	2	1	5	4	4	3	2
27	1	5	5	5	4	3	2	5	5	5	4	3
28	1	5	5	4	3	2	1	4	5	4	3	3
29	1	5	5	4	3	2	1	5	5	4	3	2
30	2	2	3	5	4	2	1	5	5	5	3	2

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

	85
	S2P3R2I6
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	2
9	5
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	2
24	2
25	1
26	1
27	1
28	1
29	1
30	1

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

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC) OVERALL ANOVA

This section presents the results of the overall ANOVAs, separately for Signal 1 and Signal 2, for the Lower-Adjacent 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.

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC)
OVERALL ANOVA
SIGNAL 1 (-35dBm)

STAT. GENERAL MANOVA — Summary of all Effects; design: (galoa-n.sta) 1-TAPEORD, 2-PICTURE, 3-REPLICAT, 4-IMPLEVEL

Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	20.2815	28	5.024471	4.0365	.054254
2*	2*	3.0778*	56*	.198082*	15.5379*	.000004*
3	1	.0926	28	.174735	.5299	.472692
4*	5*	290.5555*	140*	.718598*	404.3368*	0.000000*
12*	2*	.9593*	56*	.198082*	4.8427*	.011485*
13*	1*	1.0704*	28*	.174735*	6.1257*	.019644*
23	2	.1593	56	.132870	1.1986	.309233
14	5	.6904	140	.718598	.9607	.444172
24*	10*	.8867*	280*	.149828*	5.9179*	.000000*
34*	5*	.8748*	140*	.147910*	5.9145*	.000054*
123	2	.0926	56	.132870	.6969	.502413
124*	10*	.3681*	280*	.149828*	2.4571*	.007911*
134*	5*	.5059*	140*	.147910*	3.4205*	.006022*
234	10	.1148	280	.139854	.8210	.608679
1234	10	.2081	280	.139854	1.4883	.143128

STAT. GENERAL MANOVA — Means (galoa-n.sta) F(1,28)=4.04; p<.0543

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	....	....	3.451852
2	....	....	....	3.725926

STAT. GENERAL MANOVA — Means (unweighted) (galoa-n.sta) F(2,56)=15.54; p<.0000

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	....	3.483333
....	2	....	....	3.627778
....	3	....	....	3.655555

STAT. GENERAL MANOVA	Means (unweighted) (galoa-n.sta) F(1,28)=.53; p<.4727

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	....	3.579630
....	....	2	....	3.598148

STAT. GENERAL MANOVA	Means (unweighted) (galoa-n.sta) F(5,140)=404.34; p<0.000

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	....	1	4.905556
....	....	....	2	4.866667
....	....	....	3	3.938889
....	....	....	4	3.511111
....	....	....	5	2.638889
....	....	....	6	1.672222

STAT. GENERAL MANOVA	Means (galoa-n.sta) F(2,56)=4.84; p<.0115

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	....	3.311111
1	2	....	....	3.466667
1	3	....	....	3.577778
2	1	....	....	3.655555
2	2	....	....	3.788889
2	3	....	....	3.733333

STAT. GENERAL MANOVA	Means (galoa-n.sta) F(1,28)=6.13; p<.0196

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	1	....	3.474074
1	....	2	....	3.429630
2	....	1	....	3.685185
2	....	2	....	3.766667

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(2,56)=1.20; p<.3092
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	1	....	3.488889
....	1	2	....	3.477778
....	2	1	....	3.594445
....	2	2	....	3.661111
....	3	1	....	3.655555
....	3	2	....	3.655555

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(5,140)=.96; p<.4442
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	...	1	4.855556
1	....	...	2	4.788889
1	....	...	3	3.788889
1	....	...	4	3.355556
1	....	...	5	2.466667
1	....	...	6	1.455556
2	....	....	1	4.955555
2	....	....	2	4.944445
2	....	....	3	4.088889
2	....	....	4	3.666667
2	....	....	5	2.811111
2	....	....	6	1.888889

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(10,280)=5.92; p<.0000
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	1	4.866667
....	1	....	2	4.816667
....	1	....	3	3.783333
....	1	....	4	3.433333
....	1	....	5	2.333333
....	1	....	6	1.666667
....	2	....	1	4.933333
....	2	....	2	4.916667
....	2	....	3	4.000000
....	2	....	4	3.550000
....	2	....	5	2.633333
....	2	....	6	1.733333
....	3	....	1	4.916667
....	3	....	2	4.866667
....	3	....	3	4.033333
....	3	....	4	3.550000
....	3	....	5	2.950000
....	3	....	6	1.616667

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(5,140)=5.91; p<.0001
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	1	4.888889
....	....	1	2	4.877778
....	....	1	3	3.911111
....	....	1	4	3.455555
....	....	1	5	2.555556
....	....	1	6	1.788889
....	....	2	1	4.922222
....	....	2	2	4.855556
....	....	2	3	3.966667
....	....	2	4	3.566667
....	....	2	5	2.722222
....	....	2	6	1.555556

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(2,56)=.70; p<.5024
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	1	....	3.366667
1	1	2	....	3.255556
1	2	1	....	3.455555
1	2	2	....	3.477778
1	3	1	....	3.600000
1	3	2	....	3.555556
2	1	1	....	3.611111
2	1	2	....	3.700000
2	2	1	....	3.733333
2	2	2	....	3.844445
2	3	1	....	3.711111
2	3	2	....	3.755556

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=2.46; p<.0079
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	1	4.800000
1	1	....	2	4.700000
1	1	....	3	3.466667
1	1	....	4	3.300000
1	1	....	5	2.166667
1	1	....	6	1.433333
1	2	....	1	4.900000
1	2	....	2	4.866667
1	2	....	3	3.933333
1	2	....	4	3.300000
1	2	....	5	2.366667
1	2	....	6	1.433333
1	3	....	1	4.866667
1	3	....	2	4.800000
1	3	....	3	3.966667
1	3	....	4	3.466667
1	3	....	5	2.866667
1	3	....	6	1.500000
2	1	....	1	4.933333
2	1	....	2	4.933333
2	1	....	3	4.100000
2	1	....	4	3.566667
2	1	....	5	2.500000
2	1	....	6	1.900000
2	2	....	1	4.966667
2	2	....	2	4.966667
2	2	....	3	4.066667
2	2	....	4	3.800000
2	2	....	5	2.900000
2	2	....	6	2.033333
2	3	....	1	4.966667
2	3	....	2	4.933333
2	3	....	3	4.100000
2	3	....	4	3.633333
2	3	....	5	3.033333
2	3	....	6	1.733333

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(5,140)=3.42; p<.0060
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	1	1	4.844444
1	....	1	2	4.844444
1	....	1	3	3.733333
1	....	1	4	3.400000
1	....	1	5	2.466667
1	....	1	6	1.555556
1	....	2	1	4.866667
1	....	2	2	4.733333
1	....	2	3	3.844445
1	....	2	4	3.311111
1	....	2	5	2.466667
1	....	2	6	1.355556
2	....	1	1	4.933333
2	....	1	2	4.911111
2	....	1	3	4.088889
2	....	1	4	3.511111
2	....	1	5	2.644444
2	....	1	6	2.022222
2	....	2	1	4.977778
2	....	2	2	4.977778
2	....	2	3	4.088889
2	....	2	4	3.822222
2	....	2	5	2.977778
2	....	2	6	1.755556

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(10,280)=.82; p<.6087
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	1	1	4.800000
....	1	1	2	4.866667
....	1	1	3	3.766667
....	1	1	4	3.433333
....	1	1	5	2.233333
....	1	1	6	1.833333
....	1	2	1	4.933333
....	1	2	2	4.766667
....	1	2	3	3.800000
....	1	2	4	3.433333
....	1	2	5	2.433333
....	1	2	6	1.500000
....	2	1	1	4.933333
....	2	1	2	4.900000
....	2	1	3	3.933333
....	2	1	4	3.466667
....	2	1	5	2.500000
....	2	1	6	1.833333
....	2	2	1	4.933333
....	2	2	2	4.933333
....	2	2	3	4.066667
....	2	2	4	3.633333
....	2	2	5	2.766667
....	2	2	6	1.633333
....	3	1	1	4.933333
....	3	1	2	4.866667
....	3	1	3	4.033333
....	3	1	4	3.466667
....	3	1	5	2.933333
....	3	1	6	1.700000
....	3	2	1	4.900000
....	3	2	2	4.866667
....	3	2	3	4.033333
....	3	2	4	3.633333
....	3	2	5	2.966667
....	3	2	6	1.533333

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=1.49; p<.1431
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	1	1	4.733333
1	1	1	2	4.800000
1	1	1	3	3.400000
1	1	1	4	3.533333
1	1	1	5	2.133333
1	1	1	6	1.600000
1	1	2	1	4.866667
1	1	2	2	4.600000
1	1	2	3	3.533333
1	1	2	4	3.066667
1	1	2	5	2.200000
1	1	2	6	1.266667
1	2	1	1	4.933333
1	2	1	2	4.866667
1	2	1	3	3.800000
1	2	1	4	3.266667
1	2	1	5	2.333333
1	2	1	6	1.533333
1	2	2	1	4.866667
1	2	2	2	4.866667
1	2	2	3	4.066667
1	2	2	4	3.333333
1	2	2	5	2.400000
1	2	2	6	1.333333
1	3	1	1	4.866667
1	3	1	2	4.866667
1	3	1	3	4.000000
1	3	1	4	3.400000
1	3	1	5	2.933333
1	3	1	6	1.533333
1	3	2	1	4.866667
1	3	2	2	4.733333
1	3	2	3	3.933333
1	3	2	4	3.533333
1	3	2	5	2.800000
1	3	2	6	1.466667

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(10,280)=1.49; p<.1431
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
2	1	1	1	4.866667
2	1	1	2	4.933333
2	1	1	3	4.133333
2	1	1	4	3.333333
2	1	1	5	2.333333
2	1	1	6	2.066667
2	1	2	1	5.000000
2	1	2	2	4.933333
2	1	2	3	4.066667
2	1	2	4	3.800000
2	1	2	5	2.666667
2	1	2	6	1.733333
2	2	1	1	4.933333
2	2	1	2	4.933333
2	2	1	3	4.066667
2	2	1	4	3.666667
2	2	1	5	2.666667
2	2	1	6	2.133333
2	2	2	1	5.000000
2	2	2	2	5.000000
2	2	2	3	4.066667
2	2	2	4	3.933333
2	2	2	5	3.133333
2	2	2	6	1.933333
2	3	1	1	5.000000
2	3	1	2	4.866667
2	3	1	3	4.066667
2	3	1	4	3.533333
2	3	1	5	2.933333
2	3	1	6	1.866667
2	3	2	1	4.933333
2	3	2	2	5.000000
2	3	2	3	4.133333
2	3	2	4	3.733333
2	3	2	5	3.133333
2	3	2	6	1.600000

LOWER-ADJACENT CHANNEL INTERFERENCE (ATV-to-NTSC)
OVERALL ANOVA
SIGNAL 2 (-55 dBm)

STAT. GENERAL MANOVA — Summary of all Effects; design: (galoa-n.sta) 1-TAPEORD, 2-PICTURE, 3-REPLICAT, 4-IMPLEVEL

Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	7.8370	28	4.299471	1.8228	.187795
2*	2*	3.3694*	56*	.192923*	17.4652*	.000001*
3	1	.8333	28	.399471	2.0861	.159744
4*	5*	379.2933*	140*	.542011*	699.7896*	0.000000*
12	2	.2009	56	.192923	1.0415	.359666
13	1	.0926	28	.399471	.2318	.633943
23	2	.0083	56	.174669	.0477	.953450
14	5	.4193	140	.542011	.7735	.570361
24*	10*	1.0261*	280*	.172844*	5.9366*	.000000*
34	5	.0644	140	.221058	.2915	.917010
123	2	.1287	56	.174669	.7368	.483205
124*	10*	.5398*	280*	.172844*	3.1231*	.000848*
134	5	.3904	140	.221058	1.7659	.123721
234	10	.2561	280	.212685	1.2042	.287925
1234*	10*	.4498*	280*	.212685*	2.1149*	.023461*

STAT. GENERAL MANOVA — Means (galoa-n.sta) F(1,28)=1.82; p<.1878

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	....	....	3.303704
2	....	....	....	3.474074

STAT. GENERAL MANOVA — Means (unweighted) (galoa-n.sta) F(2,56)=17.47; p<.0000

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	....	....	3.280555
....	2	....	....	3.419445
....	3	....	....	3.466667

STAT. GENERAL MANOVA	Means (unweighted) (galoa-n.sta) F(1,28)=2.09; p<.1597

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	1	....	3.361111
....	....	2	....	3.416667

STAT. GENERAL MANOVA	Means (unweighted) (galoa-n.sta) F(5,140)=699.79; p<0.000

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	....	....	1	4.716667
....	....	....	2	4.722222
....	....	....	3	4.150000
....	....	....	4	3.433333
....	....	....	5	2.105556
....	....	....	6	1.205556

STAT. GENERAL MANOVA	Means (galoa-n.sta) F(2,56)=1.04; p<.3597

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	1	....	....	3.194444
1	2	....	....	3.311111
1	3	....	....	3.405555
2	1	....	....	3.366667
2	2	....	....	3.527778
2	3	....	....	3.527778

STAT. GENERAL MANOVA	Means (galoa-n.sta) F(1,28)=.23; p<.6339

TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	1	....	3.266667
1	....	2	....	3.340741
2	....	1	....	3.455555
2	....	2	....	3.492593

STAT. GENERAL MANOVA				Means (unweighted) (galoa-n.sta) F(2,56)=.05; p<.9534
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
....	1	1	....	3.255556
....	1	2	....	3.305556
....	2	1	....	3.394444
....	2	2	....	3.444444
....	3	1	....	3.433333
....	3	2	....	3.500000

STAT. GENERAL MANOVA				Means (galoa-n.sta) F(5,140)=.77; p<.5704
TAPEORD	PICTURE	REPLICAT	IMPLEVEL	Depend. Var.1
1	....	....	1	4.655556
1	....	....	2	4.633333
1	....	....	3	4.000000
1	....	....	4	3.366667
1	....	....	5	1.977778
1	....	....	6	1.188889
2	....	....	1	4.777778
2	....	....	2	4.811111
2	....	....	3	4.300000
2	....	....	4	3.500000
2	....	....	5	2.233333
2	....	....	6	1.222222