Mixed Model Analysis

Model Dimension[a]

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	SNR	3		2
	Program	6		5
	Venting	4		3
	SNR * Program	18		10
	SNR * Venting	12		6
	Program * Venting	24		15
	SNR * Program * Venting	72		30
Random Effects	Audiogram	4	Variance Components	1
Residual				1
Total		144		74

a. Dependent Variable: pMOS.

Information Criteria[a]

-2 Restricted Log Likelihood	606.99554589
Akaike's Information Criterion (AIC)	610.99554589
Hurvich and Tsai's Criterion (AICC)	611.00668795
Bozdogan's Criterion (CAIC)	622.96497853
Schwarz's Bayesian Criterion (BIC)	620.96497853

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: pMOS.

Coefficients of Determination

Pseudo-R Square Measures	Marginal	.559
	Conditional	.564

Intraclass Correlation Coefficients

Overall ICCs	Adjusted	.011
	Conditional	.005

Fixed Effects

Type III Tests of Fixed Effects[a]

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	3.185	10515.607	<.001
SNR	2	1077.418	384.655	<.001
Program	5	1077.418	45.135	<.001
Venting	3	98.519	1.947	.127
SNR * Program	10	1077.418	1.138	.330
SNR * Venting	6	1077.418	1.795	.097
Program * Venting	15	1077.418	2.539	.001
SNR * Program * Venting	30	1077.418	.236	1.000

a. Dependent Variable: pMOS.

Covariance Parameters

Estimates of Covariance Parameters[a]

Parameter		Estimate	Std. Error
Residual		.086	.004
Audiogram	Variance	.001	.001

a. Dependent Variable: pMOS.

Estimated Marginal Means

1. Grand Mean[a]

Mean	Std. Error	df	95% Confidence Interval	
			Lower Bound	Upper Bound
1.889	.018	3.185	1.832	1.945

a. Dependent Variable: pMOS.

2. SNR

Estimates[a]

SNR	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
-5	1.570	.023	8.203	1.517	1.624
0	1.841	.023	8.203	1.788	1.895
5	2.254	.023	8.203	2.201	2.308

a. Dependent Variable: pMOS.

Pairwise Comparisons[a]

(I) SNR	(J) SNR	Mean Difference (I-J)	Std. Error	df	Sig.[c]	95% Confidence Interval for Difference[c]	
						Lower Bound	Upper Bound
-5	0	-.271[*]	.025	1077.418	<.001	-.330	-.211
	5	-.684[*]	.025	1077.418	<.001	-.743	-.624
0	-5	.271[*]	.025	1077.418	<.001	.211	.330
	5	-.413[*]	.025	1077.418	<.001	-.473	-.353
5	-5	.684[*]	.025	1077.418	<.001	.624	.743
	0	.413[*]	.025	1077.418	<.001	.353	.473

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: pMOS.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

Numerator df	Denominator df	F	Sig.
2	1077.418	384.655	<.001

The F tests the effect of SNR. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: pMOS.

3. Program

Estimates[a]

Program	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
No Processing	1.699	.029	19.992	1.638	1.759
Beam	1.809	.029	19.992	1.748	1.870
Beam + NoiseBlock	1.864	.029	19.992	1.803	1.925
DNN	1.967	.029	19.992	1.906	2.028
NoiseBlock	1.813	.029	19.992	1.752	1.874
Beam + DNN	2.179	.029	19.992	2.118	2.240

a. Dependent Variable: pMOS.

Pairwise Comparisons[a]

(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig.[c]
No Processing	Beam	-.111*	.035	1077.418	.025
	Beam + NoiseBlock	-.165*	.035	1077.418	<.001
	DNN	-.269*	.035	1077.418	<.001
	NoiseBlock	-.115*	.035	1077.418	.017
	Beam + DNN	-.480*	.035	1077.418	<.001
Beam	No Processing	.111*	.035	1077.418	.025
	Beam + NoiseBlock	-.055	.035	1077.418	1.000
	DNN	-.158*	.035	1077.418	<.001
	NoiseBlock	-.004	.035	1077.418	1.000
	Beam + DNN	-.370*	.035	1077.418	<.001
Beam + NoiseBlock	No Processing	.165*	.035	1077.418	<.001
	Beam	.055	.035	1077.418	1.000
	DNN	-.103	.035	1077.418	.051
	NoiseBlock	.051	.035	1077.418	1.000
	Beam + DNN	-.315*	.035	1077.418	<.001
DNN	No Processing	.269*	.035	1077.418	<.001
	Beam	.158*	.035	1077.418	<.001
	Beam + NoiseBlock	.103	.035	1077.418	.051
	NoiseBlock	.154*	.035	1077.418	<.001
	Beam + DNN	-.212*	.035	1077.418	<.001
NoiseBlock	No Processing	.115*	.035	1077.418	.017
	Beam	.004	.035	1077.418	1.000

Pairwise Comparisons[a]

(I) Program	(J) Program	95% Confidence Interval for Difference[c]	
		Lower Bound	Upper Bound
No Processing	Beam	-.214	-.007
	Beam + NoiseBlock	-.269	-.062
	DNN	-.372	-.165
	NoiseBlock	-.218	-.012
	Beam + DNN	-.584	-.377
Beam	No Processing	.007	.214
	Beam + NoiseBlock	-.158	.049
	DNN	-.261	-.055
	NoiseBlock	-.107	.099
	Beam + DNN	-.473	-.266
Beam + NoiseBlock	No Processing	.062	.269
	Beam	-.049	.158
	DNN	-.206	.000
	NoiseBlock	-.053	.154
	Beam + DNN	-.418	-.212
DNN	No Processing	.165	.372
	Beam	.055	.261
	Beam + NoiseBlock	.000	.206
	NoiseBlock	.050	.257
	Beam + DNN	-.315	-.108
NoiseBlock	No Processing	.012	.218
	Beam	-.099	.107

Pairwise Comparisons[a]

(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig.[c]
	Beam + NoiseBlock	-.051	.035	1077.418	1.000
	DNN	-.154[*]	.035	1077.418	<.001
	Beam + DNN	-.366[*]	.035	1077.418	<.001
Beam + DNN	No Processing	.480[*]	.035	1077.418	<.001
	Beam	.370[*]	.035	1077.418	<.001
	Beam + NoiseBlock	.315[*]	.035	1077.418	<.001
	DNN	.212[*]	.035	1077.418	<.001
	NoiseBlock	.366[*]	.035	1077.418	<.001

Pairwise Comparisons[a]

(I) Program	(J) Program	95% Confidence Interval for Difference[c]	
		Lower Bound	Upper Bound
	Beam + NoiseBlock	-.154	.053
	DNN	-.257	-.050
	Beam + DNN	-.469	-.262
Beam + DNN	No Processing	.377	.584
	Beam	.266	.473
	Beam + NoiseBlock	.212	.418
	DNN	.108	.315
	NoiseBlock	.262	.469

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: pMOS.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

Numerator df	Denominator df	F	Sig.
5	1077.418	45.135	<.001

The F tests the effect of Program. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: pMOS.

4. Venting

Estimates[a]

Venting	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
Occluded	1.920	.019	4.079	1.866	1.974
1 mm	1.880	.025	8.138	1.822	1.937
Vented Dome	1.873	.033	15.879	1.802	1.943
Open Dome	1.882	.033	15.879	1.812	1.952

a. Dependent Variable: pMOS.

Pairwise Comparisons[a]

(I) Venting	(J) Venting	Mean Difference (I-J)	Std. Error	df	Sig.[b]	95% Confidence Interval for [b]... Lower Bound
Occluded	1 mm	.040	.023	271.280	.497	-.021
	Vented Dome	.047	.032	124.692	.838	-.038
	Open Dome	.038	.032	124.692	1.000	-.047
1 mm	Occluded	-.040	.023	271.280	.497	-.102
	Vented Dome	.007	.038	65.467	1.000	-.096
	Open Dome	-.002	.038	65.467	1.000	-.106
Vented Dome	Occluded	-.047	.032	124.692	.838	-.133
	1 mm	-.007	.038	65.467	1.000	-.110
	Open Dome	-.009	.044	65.467	1.000	-.129
Open Dome	Occluded	-.038	.032	124.692	1.000	-.124
	1 mm	.002	.038	65.467	1.000	-.101
	Vented Dome	.009	.044	65.467	1.000	-.110

Pairwise Comparisons[a]

(I) Venting	(J) Venting	95% Confidence Interval for [b]... Upper Bound
Occluded	1 mm	.102
	Vented Dome	.133
	Open Dome	.124
1 mm	Occluded	.021
	Vented Dome	.110
	Open Dome	.101
Vented Dome	Occluded	.038
	1 mm	.096
	Open Dome	.110
Open Dome	Occluded	.047
	1 mm	.106
	Vented Dome	.129

Based on estimated marginal means

a. Dependent Variable: pMOS.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

Numerator df	Denominator df	F	Sig.
3	119.941	1.947	.126

The F tests the effect of Venting. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: pMOS.

5. SNR * Program

Estimates[a]

SNR	Program	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
-5	No Processing	1.447	.046	111.427	1.356	1.537
	Beam	1.491	.046	111.427	1.400	1.581
	Beam + NoiseBlock	1.555	.046	111.427	1.465	1.646
	DNN	1.650	.046	111.427	1.559	1.740
	NoiseBlock	1.504	.046	111.427	1.414	1.595
	Beam + DNN	1.775	.046	111.427	1.685	1.866
0	No Processing	1.648	.046	111.427	1.558	1.739
	Beam	1.772	.046	111.427	1.681	1.862
	Beam + NoiseBlock	1.810	.046	111.427	1.720	1.901
	DNN	1.910	.046	111.427	1.819	2.000
	NoiseBlock	1.756	.046	111.427	1.666	1.847
	Beam + DNN	2.151	.046	111.427	2.061	2.242
5	No Processing	2.001	.046	111.427	1.911	2.092
	Beam	2.165	.046	111.427	2.075	2.256
	Beam + NoiseBlock	2.227	.046	111.427	2.136	2.317
	DNN	2.342	.046	111.427	2.252	2.433
	NoiseBlock	2.180	.046	111.427	2.089	2.270
	Beam + DNN	2.610	.046	111.427	2.520	2.701

a. Dependent Variable: pMOS.

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig.[c]
-5	No Processing	Beam	-.044	.061	1077.418	1.000
		Beam + NoiseBlock	-.109	.061	1077.418	1.000
		DNN	-.203[*]	.061	1077.418	.013
		NoiseBlock	-.058	.061	1077.418	1.000
		Beam + DNN	-.329[*]	.061	1077.418	<.001
	Beam	No Processing	.044	.061	1077.418	1.000
		Beam + NoiseBlock	-.064	.061	1077.418	1.000
		DNN	-.159	.061	1077.418	.135
		NoiseBlock	-.013	.061	1077.418	1.000
		Beam + DNN	-.285[*]	.061	1077.418	<.001
	Beam + NoiseBlock	No Processing	.109	.061	1077.418	1.000
		Beam	.064	.061	1077.418	1.000
		DNN	-.095	.061	1077.418	1.000
		NoiseBlock	.051	.061	1077.418	1.000
		Beam + DNN	-.220[*]	.061	1077.418	.005
	DNN	No Processing	.203[*]	.061	1077.418	.013
		Beam	.159	.061	1077.418	.135
		Beam + NoiseBlock	.095	.061	1077.418	1.000
		NoiseBlock	.146	.061	1077.418	.252
		Beam + DNN	-.125	.061	1077.418	.590
	NoiseBlock	No Processing	.058	.061	1077.418	1.000
		Beam	.013	.061	1077.418	1.000
		Beam + NoiseBlock	-.051	.061	1077.418	1.000
		DNN	-.146	.061	1077.418	.252
		Beam + DNN	-.271[*]	.061	1077.418	<.001
	Beam + DNN	No Processing	.329[*]	.061	1077.418	<.001
		Beam	.285[*]	.061	1077.418	<.001
		Beam + NoiseBlock	.220[*]	.061	1077.418	.005
		DNN	.125	.061	1077.418	.590
		NoiseBlock	.271[*]	.061	1077.418	<.001
0	No Processing	Beam	-.124	.061	1077.418	.634
		Beam + NoiseBlock	-.162	.061	1077.418	.116
		DNN	-.261[*]	.061	1077.418	<.001
		NoiseBlock	-.108	.061	1077.418	1.000
		Beam + DNN	-.503[*]	.061	1077.418	<.001

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference[c]	
			Lower Bound	Upper Bound
-5	No Processing	Beam	-.223	.135
		Beam + NoiseBlock	-.288	.070
		DNN	-.382	-.024
		NoiseBlock	-.237	.121
		Beam + DNN	-.508	-.150
	Beam	No Processing	-.135	.223
		Beam + NoiseBlock	-.243	.115
		DNN	-.338	.020
		NoiseBlock	-.192	.165
		Beam + DNN	-.464	-.106
	Beam + NoiseBlock	No Processing	-.070	.288
		Beam	-.115	.243
		DNN	-.274	.084
		NoiseBlock	-.128	.230
		Beam + DNN	-.399	-.041
	DNN	No Processing	.024	.382
		Beam	-.020	.338
		Beam + NoiseBlock	-.084	.274
		NoiseBlock	-.033	.325
		Beam + DNN	-.304	.053
	NoiseBlock	No Processing	-.121	.237
		Beam	-.165	.192
		Beam + NoiseBlock	-.230	.128
		DNN	-.325	.033
		Beam + DNN	-.450	-.092
	Beam + DNN	No Processing	.150	.508
		Beam	.106	.464
		Beam + NoiseBlock	.041	.399
		DNN	-.053	.304
		NoiseBlock	.092	.450
0	No Processing	Beam	-.303	.055
		Beam + NoiseBlock	-.341	.017
		DNN	-.440	-.083
		NoiseBlock	-.287	.071
		Beam + DNN	-.682	-.324

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig.[c]
	Beam	No Processing	.124	.061	1077.418	.634
		Beam + NoiseBlock	-.039	.061	1077.418	1.000
		DNN	-.138	.061	1077.418	.356
		NoiseBlock	.016	.061	1077.418	1.000
		Beam + DNN	-.379[*]	.061	1077.418	<.001
	Beam + NoiseBlock	No Processing	.162	.061	1077.418	.116
		Beam	.039	.061	1077.418	1.000
		DNN	-.099	.061	1077.418	1.000
		NoiseBlock	.054	.061	1077.418	1.000
		Beam + DNN	-.341[*]	.061	1077.418	<.001
	DNN	No Processing	.261[*]	.061	1077.418	<.001
		Beam	.138	.061	1077.418	.356
		Beam + NoiseBlock	.099	.061	1077.418	1.000
		NoiseBlock	.153	.061	1077.418	.178
		Beam + DNN	-.242[*]	.061	1077.418	.001
	NoiseBlock	No Processing	.108	.061	1077.418	1.000
		Beam	-.016	.061	1077.418	1.000
		Beam + NoiseBlock	-.054	.061	1077.418	1.000
		DNN	-.153	.061	1077.418	.178
		Beam + DNN	-.395[*]	.061	1077.418	<.001
	Beam + DNN	No Processing	.503[*]	.061	1077.418	<.001
		Beam	.379[*]	.061	1077.418	<.001
		Beam + NoiseBlock	.341[*]	.061	1077.418	<.001
		DNN	.242[*]	.061	1077.418	.001
		NoiseBlock	.395[*]	.061	1077.418	<.001
5	No Processing	Beam	-.164	.061	1077.418	.105
		Beam + NoiseBlock	-.226[*]	.061	1077.418	.003
		DNN	-.341[*]	.061	1077.418	<.001
		NoiseBlock	-.179	.061	1077.418	.050
		Beam + DNN	-.609[*]	.061	1077.418	<.001
	Beam	No Processing	.164	.061	1077.418	.105
		Beam + NoiseBlock	-.061	.061	1077.418	1.000
		DNN	-.177	.061	1077.418	.056
		NoiseBlock	-.014	.061	1077.418	1.000
		Beam + DNN	-.445[*]	.061	1077.418	<.001

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference[c]	
			Lower Bound	Upper Bound
	Beam	No Processing	-.055	.303
		Beam + NoiseBlock	-.218	.140
		DNN	-.317	.041
		NoiseBlock	-.163	.195
		Beam + DNN	-.558	-.201
	Beam + NoiseBlock	No Processing	-.017	.341
		Beam	-.140	.218
		DNN	-.278	.080
		NoiseBlock	-.125	.233
		Beam + DNN	-.520	-.162
	DNN	No Processing	.083	.440
		Beam	-.041	.317
		Beam + NoiseBlock	-.080	.278
		NoiseBlock	-.026	.332
		Beam + DNN	-.421	-.063
	NoiseBlock	No Processing	-.071	.287
		Beam	-.195	.163
		Beam + NoiseBlock	-.233	.125
		DNN	-.332	.026
		Beam + DNN	-.574	-.216
	Beam + DNN	No Processing	.324	.682
		Beam	.201	.558
		Beam + NoiseBlock	.162	.520
		DNN	.063	.421
		NoiseBlock	.216	.574
5	No Processing	Beam	-.343	.015
		Beam + NoiseBlock	-.405	-.047
		DNN	-.520	-.162
		NoiseBlock	-.358	.000
		Beam + DNN	-.788	-.430
	Beam	No Processing	-.015	.343
		Beam + NoiseBlock	-.240	.118
		DNN	-.356	.002
		NoiseBlock	-.193	.165
		Beam + DNN	-.624	-.266

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig.[c]
	Beam + NoiseBlock	No Processing	.226[*]	.061	1077.418	.003
		Beam	.061	.061	1077.418	1.000
		DNN	-.116	.061	1077.418	.867
		NoiseBlock	.047	.061	1077.418	1.000
		Beam + DNN	-.384[*]	.061	1077.418	<.001
	DNN	No Processing	.341[*]	.061	1077.418	<.001
		Beam	.177	.061	1077.418	.056
		Beam + NoiseBlock	.116	.061	1077.418	.867
		NoiseBlock	.162	.061	1077.418	.116
		Beam + DNN	-.268[*]	.061	1077.418	<.001
	NoiseBlock	No Processing	.179	.061	1077.418	.050
		Beam	.014	.061	1077.418	1.000
		Beam + NoiseBlock	-.047	.061	1077.418	1.000
		DNN	-.162	.061	1077.418	.116
		Beam + DNN	-.431[*]	.061	1077.418	<.001
	Beam + DNN	No Processing	.609[*]	.061	1077.418	<.001
		Beam	.445[*]	.061	1077.418	<.001
		Beam + NoiseBlock	.384[*]	.061	1077.418	<.001
		DNN	.268[*]	.061	1077.418	<.001
		NoiseBlock	.431[*]	.061	1077.418	<.001

Pairwise Comparisons[a]

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference[c]	
			Lower Bound	Upper Bound
	Beam + NoiseBlock	No Processing	.047	.405
		Beam	-.118	.240
		DNN	-.294	.063
		NoiseBlock	-.132	.226
		Beam + DNN	-.563	-.205
	DNN	No Processing	.162	.520
		Beam	-.002	.356
		Beam + NoiseBlock	-.063	.294
		NoiseBlock	-.017	.341
		Beam + DNN	-.447	-.089
	NoiseBlock	No Processing	.000	.358
		Beam	-.165	.193
		Beam + NoiseBlock	-.226	.132
		DNN	-.341	.017
		Beam + DNN	-.609	-.252
	Beam + DNN	No Processing	.430	.788
		Beam	.266	.624
		Beam + NoiseBlock	.205	.563
		DNN	.089	.447
		NoiseBlock	.252	.609

Based on estimated marginal means

  *. The mean difference is significant at the .05 level.

  a. Dependent Variable: pMOS.

  c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

SNR	Numerator df	Denominator df	F	Sig.
-5	5	1077.418	8.069	<.001
0	5	1077.418	16.333	<.001
5	5	1077.418	23.009	<.001

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

  a. Dependent Variable: pMOS.

6. SNR * Venting[a]

SNR	Venting	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
-5	Occluded	1.610	.026	12.971	1.553	1.666
	1 mm	1.576	.035	30.969	1.505	1.647
	Vented Dome	1.540	.048	66.685	1.445	1.636
	Open Dome	1.556	.048	66.685	1.460	1.651
0	Occluded	1.913	.026	12.971	1.856	1.969
	1 mm	1.856	.035	30.969	1.784	1.927
	Vented Dome	1.802	.048	66.685	1.706	1.897
	Open Dome	1.795	.048	66.685	1.699	1.890
5	Occluded	2.238	.026	12.971	2.182	2.294
	1 mm	2.208	.035	30.969	2.136	2.279
	Vented Dome	2.276	.048	66.685	2.180	2.371
	Open Dome	2.295	.048	66.685	2.200	2.391

a. Dependent Variable: pMOS.

7. Program * Venting

Estimates[a]

Program	Venting	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
No Processing	Occluded	1.676	.034	35.260	1.608	1.744
	1 mm	1.668	.046	89.263	1.577	1.760
	Vented Dome	1.675	.064	189.581	1.549	1.801
	Open Dome	1.774	.064	189.581	1.648	1.900
Beam	Occluded	1.812	.034	35.260	1.744	1.880
	1 mm	1.774	.046	89.263	1.682	1.865
	Vented Dome	1.775	.064	189.581	1.649	1.901
	Open Dome	1.876	.064	189.581	1.750	2.003
Beam + NoiseBlock	Occluded	1.866	.034	35.260	1.797	1.934
	1 mm	1.845	.046	89.263	1.754	1.937
	Vented Dome	1.864	.064	189.581	1.738	1.990
	Open Dome	1.881	.064	189.581	1.755	2.008
DNN	Occluded	2.013	.034	35.260	1.945	2.082
	1 mm	1.923	.046	89.263	1.832	2.015
	Vented Dome	1.979	.064	189.581	1.853	2.105
	Open Dome	1.954	.064	189.581	1.827	2.080
NoiseBlock	Occluded	1.813	.034	35.260	1.745	1.882
	1 mm	1.796	.046	89.263	1.704	1.887

Estimates^a

Program	Venting	Mean	Std. Error	df	95% Confidence Interval Lower Bound	Upper Bound
	Vented Dome	1.803	.064	189.581	1.677	1.929
	Open Dome	1.841	.064	189.581	1.715	1.967
Beam + DNN	Occluded	2.340	.034	35.260	2.272	2.408
	1 mm	2.271	.046	89.263	2.180	2.363
	Vented Dome	2.140	.064	189.581	2.014	2.266
	Open Dome	1.965	.064	189.581	1.839	2.091

a. Dependent Variable: pMOS.

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
Occluded	No Processing	Beam	-.136*	.042	1077.418
		Beam + NoiseBlock	-.189*	.042	1077.418
		DNN	-.337*	.042	1077.418
		NoiseBlock	-.137*	.042	1077.418
		Beam + DNN	-.664*	.042	1077.418
	Beam	No Processing	.136*	.042	1077.418
		Beam + NoiseBlock	-.054	.042	1077.418
		DNN	-.201*	.042	1077.418
		NoiseBlock	-.002	.042	1077.418
		Beam + DNN	-.528*	.042	1077.418
	Beam + NoiseBlock	No Processing	.189*	.042	1077.418
		Beam	.054	.042	1077.418
		DNN	-.148*	.042	1077.418
		NoiseBlock	.052	.042	1077.418
		Beam + DNN	-.474*	.042	1077.418
	DNN	No Processing	.337*	.042	1077.418
		Beam	.201*	.042	1077.418
		Beam + NoiseBlock	.148*	.042	1077.418
		NoiseBlock	.200*	.042	1077.418
		Beam + DNN	-.326*	.042	1077.418
	NoiseBlock	No Processing	.137*	.042	1077.418
		Beam	.002	.042	1077.418

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for Difference[c]	
				Lower Bound	Upper Bound
Occluded	No Processing	Beam	.021	-.260	-.011
		Beam + NoiseBlock	<.001	-.314	-.065
		DNN	<.001	-.462	-.213
		NoiseBlock	.018	-.262	-.013
		Beam + DNN	<.001	-.788	-.539
	Beam	No Processing	.021	.011	.260
		Beam + NoiseBlock	1.000	-.178	.071
		DNN	<.001	-.326	-.077
		NoiseBlock	1.000	-.126	.123
		Beam + DNN	<.001	-.653	-.403
	Beam + NoiseBlock	No Processing	<.001	.065	.314
		Beam	1.000	-.071	.178
		DNN	.008	-.272	-.023
		NoiseBlock	1.000	-.073	.177
		Beam + DNN	<.001	-.599	-.350
	DNN	No Processing	<.001	.213	.462
		Beam	<.001	.077	.326
		Beam + NoiseBlock	.008	.023	.272
		NoiseBlock	<.001	.075	.324
		Beam + DNN	<.001	-.451	-.202
	NoiseBlock	No Processing	.018	.013	.262
		Beam	1.000	-.123	.126

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam + NoiseBlock	-.052	.042	1077.418
		DNN	-.200[*]	.042	1077.418
		Beam + DNN	-.526[*]	.042	1077.418
	Beam + DNN	No Processing	.664[*]	.042	1077.418
		Beam	.528[*]	.042	1077.418
		Beam + NoiseBlock	.474[*]	.042	1077.418
		DNN	.326[*]	.042	1077.418
		NoiseBlock	.526[*]	.042	1077.418
1 mm	No Processing	Beam	-.105	.060	1077.418
		Beam + NoiseBlock	-.177[*]	.060	1077.418
		DNN	-.255[*]	.060	1077.418
		NoiseBlock	-.127	.060	1077.418
		Beam + DNN	-.603[*]	.060	1077.418
	Beam	No Processing	.105	.060	1077.418
		Beam + NoiseBlock	-.071	.060	1077.418
		DNN	-.149	.060	1077.418
		NoiseBlock	-.022	.060	1077.418
		Beam + DNN	-.497[*]	.060	1077.418
	Beam + NoiseBlock	No Processing	.177[*]	.060	1077.418
		Beam	.071	.060	1077.418
		DNN	-.078	.060	1077.418
		NoiseBlock	.050	.060	1077.418
		Beam + DNN	-.426[*]	.060	1077.418
	DNN	No Processing	.255[*]	.060	1077.418
		Beam	.149	.060	1077.418
		Beam + NoiseBlock	.078	.060	1077.418
		NoiseBlock	.127	.060	1077.418
		Beam + DNN	-.348[*]	.060	1077.418
	NoiseBlock	No Processing	.127	.060	1077.418
		Beam	.022	.060	1077.418
		Beam + NoiseBlock	-.050	.060	1077.418
		DNN	-.127	.060	1077.418
		Beam + DNN	-.476[*]	.060	1077.418
	Beam + DNN	No Processing	.603[*]	.060	1077.418
		Beam	.497[*]	.060	1077.418

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for Difference[c]	
				Lower Bound	Upper Bound
		Beam + NoiseBlock	1.000	-.177	.073
		DNN	<.001	-.324	-.075
		Beam + DNN	<.001	-.651	-.402
	Beam + DNN	No Processing	<.001	.539	.788
		Beam	<.001	.403	.653
		Beam + NoiseBlock	<.001	.350	.599
		DNN	<.001	.202	.451
		NoiseBlock	<.001	.402	.651
1 mm	No Processing	Beam	1.000	-.282	.071
		Beam + NoiseBlock	.048	-.353	-.001
		DNN	<.001	-.431	-.078
		NoiseBlock	.508	-.303	.049
		Beam + DNN	<.001	-.779	-.427
	Beam	No Processing	1.000	-.071	.282
		Beam + NoiseBlock	1.000	-.248	.105
		DNN	.193	-.325	.027
		NoiseBlock	1.000	-.198	.154
		Beam + DNN	<.001	-.674	-.321
	Beam + NoiseBlock	No Processing	.048	.001	.353
		Beam	1.000	-.105	.248
		DNN	1.000	-.254	.098
		NoiseBlock	1.000	-.127	.226
		Beam + DNN	<.001	-.602	-.250
	DNN	No Processing	<.001	.078	.431
		Beam	.193	-.027	.325
		Beam + NoiseBlock	1.000	-.098	.254
		NoiseBlock	.504	-.049	.304
		Beam + DNN	<.001	-.524	-.172
	NoiseBlock	No Processing	.508	-.049	.303
		Beam	1.000	-.154	.198
		Beam + NoiseBlock	1.000	-.226	.127
		DNN	.504	-.304	.049
		Beam + DNN	<.001	-.652	-.299
	Beam + DNN	No Processing	<.001	.427	.779
		Beam	<.001	.321	.674

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam + NoiseBlock	.426[*]	.060	1077.418
		DNN	.348[*]	.060	1077.418
		NoiseBlock	.476[*]	.060	1077.418
Vented Dome	No Processing	Beam	-.100	.085	1077.418
		Beam + NoiseBlock	-.188	.085	1077.418
		DNN	-.304[*]	.085	1077.418
		NoiseBlock	-.128	.085	1077.418
		Beam + DNN	-.465[*]	.085	1077.418
	Beam	No Processing	.100	.085	1077.418
		Beam + NoiseBlock	-.089	.085	1077.418
		DNN	-.204	.085	1077.418
		NoiseBlock	-.028	.085	1077.418
		Beam + DNN	-.365[*]	.085	1077.418
	Beam + NoiseBlock	No Processing	.188	.085	1077.418
		Beam	.089	.085	1077.418
		DNN	-.115	.085	1077.418
		NoiseBlock	.061	.085	1077.418
		Beam + DNN	-.276[*]	.085	1077.418
	DNN	No Processing	.304[*]	.085	1077.418
		Beam	.204	.085	1077.418
		Beam + NoiseBlock	.115	.085	1077.418
		NoiseBlock	.176	.085	1077.418
		Beam + DNN	-.161	.085	1077.418
	NoiseBlock	No Processing	.128	.085	1077.418
		Beam	.028	.085	1077.418
		Beam + NoiseBlock	-.061	.085	1077.418
		DNN	-.176	.085	1077.418
		Beam + DNN	-.337[*]	.085	1077.418
	Beam + DNN	No Processing	.465[*]	.085	1077.418
		Beam	.365[*]	.085	1077.418
		Beam + NoiseBlock	.276[*]	.085	1077.418
		DNN	.161	.085	1077.418
		NoiseBlock	.337[*]	.085	1077.418
Open Dome	No Processing	Beam	-.102	.085	1077.418
		Beam + NoiseBlock	-.107	.085	1077.418
		DNN	-.179	.085	1077.418

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for Difference[c]	
				Lower Bound	Upper Bound
		Beam + NoiseBlock	<.001	.250	.602
		DNN	<.001	.172	.524
		NoiseBlock	<.001	.299	.652
Vented Dome	No Processing	Beam	1.000	-.349	.149
		Beam + NoiseBlock	.394	-.438	.061
		DNN	.005	-.553	-.054
		NoiseBlock	1.000	-.377	.121
		Beam + DNN	<.001	-.714	-.215
	Beam	No Processing	1.000	-.149	.349
		Beam + NoiseBlock	1.000	-.338	.161
		DNN	.246	-.453	.046
		NoiseBlock	1.000	-.277	.221
		Beam + DNN	<.001	-.614	-.116
	Beam + NoiseBlock	No Processing	.394	-.061	.438
		Beam	1.000	-.161	.338
		DNN	1.000	-.364	.134
		NoiseBlock	1.000	-.189	.310
		Beam + DNN	.017	-.525	-.027
	DNN	No Processing	.005	.054	.553
		Beam	.246	-.046	.453
		Beam + NoiseBlock	1.000	-.134	.364
		NoiseBlock	.576	-.074	.425
		Beam + DNN	.861	-.410	.088
	NoiseBlock	No Processing	1.000	-.121	.377
		Beam	1.000	-.221	.277
		Beam + NoiseBlock	1.000	-.310	.189
		DNN	.576	-.425	.074
		Beam + DNN	.001	-.586	-.088
	Beam + DNN	No Processing	<.001	.215	.714
		Beam	<.001	.116	.614
		Beam + NoiseBlock	.017	.027	.525
		DNN	.861	-.088	.410
		NoiseBlock	.001	.088	.586
Open Dome	No Processing	Beam	1.000	-.351	.147
		Beam + NoiseBlock	1.000	-.356	.142
		DNN	.517	-.429	.070

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		NoiseBlock	-.067	.085	1077.418
		Beam + DNN	-.191	.085	1077.418
	Beam	No Processing	.102	.085	1077.418
		Beam + NoiseBlock	-.005	.085	1077.418
		DNN	-.077	.085	1077.418
		NoiseBlock	.035	.085	1077.418
		Beam + DNN	-.088	.085	1077.418
	Beam + NoiseBlock	No Processing	.107	.085	1077.418
		Beam	.005	.085	1077.418
		DNN	-.072	.085	1077.418
		NoiseBlock	.040	.085	1077.418
		Beam + DNN	-.083	.085	1077.418
	DNN	No Processing	.179	.085	1077.418
		Beam	.077	.085	1077.418
		Beam + NoiseBlock	.072	.085	1077.418
		NoiseBlock	.112	.085	1077.418
		Beam + DNN	-.011	.085	1077.418
	NoiseBlock	No Processing	.067	.085	1077.418
		Beam	-.035	.085	1077.418
		Beam + NoiseBlock	-.040	.085	1077.418
		DNN	-.112	.085	1077.418
		Beam + DNN	-.124	.085	1077.418
	Beam + DNN	No Processing	.191	.085	1077.418
		Beam	.088	.085	1077.418
		Beam + NoiseBlock	.083	.085	1077.418
		DNN	.011	.085	1077.418
		NoiseBlock	.124	.085	1077.418

Pairwise Comparisons[a]

Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for Difference[c]	
				Lower Bound	Upper Bound
		NoiseBlock	1.000	-.316	.182
		Beam + DNN	.369	-.440	.059
	Beam	No Processing	1.000	-.147	.351
		Beam + NoiseBlock	1.000	-.254	.244
		DNN	1.000	-.326	.172
		NoiseBlock	1.000	-.214	.284
		Beam + DNN	1.000	-.338	.161
	Beam + NoiseBlock	No Processing	1.000	-.142	.356
		Beam	1.000	-.244	.254
		DNN	1.000	-.321	.177
		NoiseBlock	1.000	-.209	.289
		Beam + DNN	1.000	-.333	.166
	DNN	No Processing	.517	-.070	.429
		Beam	1.000	-.172	.326
		Beam + NoiseBlock	1.000	-.177	.321
		NoiseBlock	1.000	-.137	.361
		Beam + DNN	1.000	-.260	.238
	NoiseBlock	No Processing	1.000	-.182	.316
		Beam	1.000	-.284	.214
		Beam + NoiseBlock	1.000	-.289	.209
		DNN	1.000	-.361	.137
		Beam + DNN	1.000	-.373	.126
	Beam + DNN	No Processing	.369	-.059	.440
		Beam	1.000	-.161	.338
		Beam + NoiseBlock	1.000	-.166	.333
		DNN	1.000	-.238	.260
		NoiseBlock	1.000	-.126	.373

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: pMOS.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

Venting	Numerator df	Denominator df	F	Sig.
Occluded	5	1077.418	60.295	<.001
1 mm	5	1077.418	24.452	<.001
Vented Dome	5	1077.418	7.584	<.001
Open Dome	5	1077.418	1.410	.218

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

    a. Dependent Variable: pMOS.

8. SNR * Program * Venting

Estimates[a]

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
-5	No Processing	Occluded	1.435	.054	204.203	1.328
		1 mm	1.444	.076	440.505	1.296
		Vented Dome	1.397	.106	687.428	1.188
		Open Dome	1.511	.106	687.428	1.302
	Beam	Occluded	1.510	.054	204.203	1.404
		1 mm	1.501	.076	440.505	1.353
		Vented Dome	1.451	.106	687.428	1.242
		Open Dome	1.502	.106	687.428	1.293
	Beam + NoiseBlock	Occluded	1.552	.054	204.203	1.445
		1 mm	1.511	.076	440.505	1.363
		Vented Dome	1.578	.106	687.428	1.370
		Open Dome	1.579	.106	687.428	1.371
	DNN	Occluded	1.699	.054	204.203	1.592
		1 mm	1.603	.076	440.505	1.455
		Vented Dome	1.685	.106	687.428	1.476
		Open Dome	1.613	.106	687.428	1.404
	NoiseBlock	Occluded	1.512	.054	204.203	1.406
		1 mm	1.502	.076	440.505	1.354
		Vented Dome	1.473	.106	687.428	1.265
		Open Dome	1.529	.106	687.428	1.321
	Beam + DNN	Occluded	1.950	.054	204.203	1.843
		1 mm	1.892	.076	440.505	1.744
		Vented Dome	1.659	.106	687.428	1.451
		Open Dome	1.600	.106	687.428	1.392

Estimates[a]

SNR	Program	Venting	95% ... Upper Bound
-5	No Processing	Occluded	1.541
		1 mm	1.592
		Vented Dome	1.605
		Open Dome	1.719
	Beam	Occluded	1.617
		1 mm	1.650
		Vented Dome	1.659
		Open Dome	1.710
	Beam + NoiseBlock	Occluded	1.658
		1 mm	1.660
		Vented Dome	1.786
		Open Dome	1.788
	DNN	Occluded	1.806
		1 mm	1.751
		Vented Dome	1.893
		Open Dome	1.821
	NoiseBlock	Occluded	1.619
		1 mm	1.651
		Vented Dome	1.681
		Open Dome	1.738
	Beam + DNN	Occluded	2.057
		1 mm	2.041
		Vented Dome	1.868
		Open Dome	1.808

Estimates[a]

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
0	No Processing	Occluded	1.679	.054	204.203	1.573
		1 mm	1.587	.076	440.505	1.439
		Vented Dome	1.632	.106	687.428	1.423
		Open Dome	1.694	.106	687.428	1.486
	Beam	Occluded	1.788	.054	204.203	1.682
		1 mm	1.729	.076	440.505	1.580
		Vented Dome	1.747	.106	687.428	1.538
		Open Dome	1.823	.106	687.428	1.615
	Beam + NoiseBlock	Occluded	1.848	.054	204.203	1.741
		1 mm	1.886	.076	440.505	1.737
		Vented Dome	1.723	.106	687.428	1.515
		Open Dome	1.785	.106	687.428	1.576
	DNN	Occluded	1.985	.054	204.203	1.878
		1 mm	1.899	.076	440.505	1.750
		Vented Dome	1.883	.106	687.428	1.674
		Open Dome	1.872	.106	687.428	1.663
	NoiseBlock	Occluded	1.798	.054	204.203	1.692
		1 mm	1.778	.076	440.505	1.630
		Vented Dome	1.748	.106	687.428	1.540
		Open Dome	1.700	.106	687.428	1.492
	Beam + DNN	Occluded	2.377	.054	204.203	2.271
		1 mm	2.255	.076	440.505	2.107
		Vented Dome	2.078	.106	687.428	1.869
		Open Dome	1.895	.106	687.428	1.686
5	No Processing	Occluded	1.915	.054	204.203	1.808
		1 mm	1.975	.076	440.505	1.826
		Vented Dome	1.997	.106	687.428	1.789
		Open Dome	2.118	.106	687.428	1.909
	Beam	Occluded	2.137	.054	204.203	2.031
		1 mm	2.092	.076	440.505	1.943
		Vented Dome	2.128	.106	687.428	1.920
		Open Dome	2.304	.106	687.428	2.096
	Beam + NoiseBlock	Occluded	2.197	.054	204.203	2.091
		1 mm	2.139	.076	440.505	1.991
		Vented Dome	2.290	.106	687.428	2.081
		Open Dome	2.280	.106	687.428	2.072
	DNN	Occluded	2.356	.054	204.203	2.250
		1 mm	2.268	.076	440.505	2.119

Estimates[a]

SNR	Program	Venting	95% ... Upper Bound
0	No Processing	Occluded	1.786
		1 mm	1.735
		Vented Dome	1.840
		Open Dome	1.903
	Beam	Occluded	1.895
		1 mm	1.877
		Vented Dome	1.955
		Open Dome	2.032
	Beam + NoiseBlock	Occluded	1.954
		1 mm	2.034
		Vented Dome	1.932
		Open Dome	1.993
	DNN	Occluded	2.091
		1 mm	2.047
		Vented Dome	2.091
		Open Dome	2.080
	NoiseBlock	Occluded	1.905
		1 mm	1.926
		Vented Dome	1.957
		Open Dome	1.909
	Beam + DNN	Occluded	2.484
		1 mm	2.404
		Vented Dome	2.286
		Open Dome	2.103
5	No Processing	Occluded	2.021
		1 mm	2.123
		Vented Dome	2.205
		Open Dome	2.326
	Beam	Occluded	2.244
		1 mm	2.240
		Vented Dome	2.337
		Open Dome	2.513
	Beam + NoiseBlock	Occluded	2.304
		1 mm	2.287
		Vented Dome	2.498
		Open Dome	2.489
	DNN	Occluded	2.463
		1 mm	2.416

Estimates[a]

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
		Vented Dome	2.368	.106	687.428	2.160
		Open Dome	2.376	.106	687.428	2.168
	NoiseBlock	Occluded	2.130	.054	204.203	2.023
		1 mm	2.107	.076	440.505	1.958
		Vented Dome	2.188	.106	687.428	1.979
		Open Dome	2.295	.106	687.428	2.086
	Beam + DNN	Occluded	2.692	.054	204.203	2.586
		1 mm	2.666	.076	440.505	2.518
		Vented Dome	2.683	.106	687.428	2.474
		Open Dome	2.400	.106	687.428	2.191

Estimates[a]

SNR	Program	Venting	95% ... Upper Bound
		Vented Dome	2.577
		Open Dome	2.584
	NoiseBlock	Occluded	2.236
		1 mm	2.255
		Vented Dome	2.396
		Open Dome	2.503
	Beam + DNN	Occluded	2.799
		1 mm	2.815
		Vented Dome	2.891
		Open Dome	2.608

a. Dependent Variable: pMOS.

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
-5	Occluded	No Processing	Beam	-.075	.073	1077.418
			Beam + NoiseBlock	-.117	.073	1077.418
			DNN	-.264[*]	.073	1077.418
			NoiseBlock	-.078	.073	1077.418
			Beam + DNN	-.515[*]	.073	1077.418
		Beam	No Processing	.075	.073	1077.418
			Beam + NoiseBlock	-.042	.073	1077.418
			DNN	-.189	.073	1077.418
			NoiseBlock	-.002	.073	1077.418
			Beam + DNN	-.440[*]	.073	1077.418
		Beam + NoiseBlock	No Processing	.117	.073	1077.418
			Beam	.042	.073	1077.418
			DNN	-.147	.073	1077.418
			NoiseBlock	.039	.073	1077.418
			Beam + DNN	-.398[*]	.073	1077.418
		DNN	No Processing	.264[*]	.073	1077.418
			Beam	.189	.073	1077.418
			Beam + NoiseBlock	.147	.073	1077.418
			NoiseBlock	.187	.073	1077.418
			Beam + DNN	-.251[*]	.073	1077.418
		NoiseBlock	No Processing	.078	.073	1077.418
			Beam	.002	.073	1077.418
			Beam + NoiseBlock	-.039	.073	1077.418
			DNN	-.187	.073	1077.418
			Beam + DNN	-.438[*]	.073	1077.418
		Beam + DNN	No Processing	.515[*]	.073	1077.418
			Beam	.440[*]	.073	1077.418
			Beam + NoiseBlock	.398[*]	.073	1077.418
			DNN	.251[*]	.073	1077.418
			NoiseBlock	.438[*]	.073	1077.418
	1 mm	No Processing	Beam	-.057	.104	1077.418
			Beam + NoiseBlock	-.068	.104	1077.418
			DNN	-.159	.104	1077.418
			NoiseBlock	-.058	.104	1077.418
			Beam + DNN	-.448[*]	.104	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
-5	Occluded	No Processing	Beam	1.000	-.291
			Beam + NoiseBlock	1.000	-.333
			DNN	.005	-.480
			NoiseBlock	1.000	-.294
			Beam + DNN	<.001	-.731
		Beam	No Processing	1.000	-.140
			Beam + NoiseBlock	1.000	-.257
			DNN	.152	-.405
			NoiseBlock	1.000	-.218
			Beam + DNN	<.001	-.656
		Beam + NoiseBlock	No Processing	1.000	-.099
			Beam	1.000	-.174
			DNN	.674	-.363
			NoiseBlock	1.000	-.177
			Beam + DNN	<.001	-.614
		DNN	No Processing	.005	.049
			Beam	.152	-.027
			Beam + NoiseBlock	.674	-.069
			NoiseBlock	.167	-.029
			Beam + DNN	.010	-.467
		NoiseBlock	No Processing	1.000	-.138
			Beam	1.000	-.213
			Beam + NoiseBlock	1.000	-.255
			DNN	.167	-.402
			Beam + DNN	<.001	-.653
		Beam + DNN	No Processing	<.001	.300
			Beam	<.001	.224
			Beam + NoiseBlock	<.001	.182
			DNN	.010	.035
			NoiseBlock	<.001	.222
	1 mm	No Processing	Beam	1.000	-.362
			Beam + NoiseBlock	1.000	-.373
			DNN	1.000	-.464
			NoiseBlock	1.000	-.364
			Beam + DNN	<.001	-.754

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for[c]... Upper Bound
-5	Occluded	No Processing	Beam	.140
			Beam + NoiseBlock	.099
			DNN	-.049
			NoiseBlock	.138
			Beam + DNN	-.300
		Beam	No Processing	.291
			Beam + NoiseBlock	.174
			DNN	.027
			NoiseBlock	.213
			Beam + DNN	-.224
		Beam + NoiseBlock	No Processing	.333
			Beam	.257
			DNN	.069
			NoiseBlock	.255
			Beam + DNN	-.182
		DNN	No Processing	.480
			Beam	.405
			Beam + NoiseBlock	.363
			NoiseBlock	.402
			Beam + DNN	-.035
		NoiseBlock	No Processing	.294
			Beam	.218
			Beam + NoiseBlock	.177
			DNN	.029
			Beam + DNN	-.222
		Beam + DNN	No Processing	.731
			Beam	.656
			Beam + NoiseBlock	.614
			DNN	.467
			NoiseBlock	.653
	1 mm	No Processing	Beam	.248
			Beam + NoiseBlock	.238
			DNN	.146
			NoiseBlock	.247
			Beam + DNN	-.143

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam	No Processing	.057	.104	1077.418
			Beam + NoiseBlock	-.010	.104	1077.418
			DNN	-.102	.104	1077.418
			NoiseBlock	-.001	.104	1077.418
			Beam + DNN	-.391[*]	.104	1077.418
		Beam + NoiseBlock	No Processing	.068	.104	1077.418
			Beam	.010	.104	1077.418
			DNN	-.092	.104	1077.418
			NoiseBlock	.009	.104	1077.418
			Beam + DNN	-.381[*]	.104	1077.418
		DNN	No Processing	.159	.104	1077.418
			Beam	.102	.104	1077.418
			Beam + NoiseBlock	.092	.104	1077.418
			NoiseBlock	.101	.104	1077.418
			Beam + DNN	-.289	.104	1077.418
		NoiseBlock	No Processing	.058	.104	1077.418
			Beam	.001	.104	1077.418
			Beam + NoiseBlock	-.009	.104	1077.418
			DNN	-.101	.104	1077.418
			Beam + DNN	-.390[*]	.104	1077.418
		Beam + DNN	No Processing	.448[*]	.104	1077.418
			Beam	.391[*]	.104	1077.418
			Beam + NoiseBlock	.381[*]	.104	1077.418
			DNN	.289	.104	1077.418
			NoiseBlock	.390[*]	.104	1077.418
	Vented Dome	No Processing	Beam	-.054	.147	1077.418
			Beam + NoiseBlock	-.181	.147	1077.418
			DNN	-.288	.147	1077.418
			NoiseBlock	-.076	.147	1077.418
			Beam + DNN	-.262	.147	1077.418
		Beam	No Processing	.054	.147	1077.418
			Beam + NoiseBlock	-.127	.147	1077.418
			DNN	-.234	.147	1077.418
			NoiseBlock	-.023	.147	1077.418
			Beam + DNN	-.209	.147	1077.418
		Beam + NoiseBlock	No Processing	.181	.147	1077.418
			Beam	.127	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
		Beam	No Processing	1.000	-.248
			Beam + NoiseBlock	1.000	-.316
			DNN	1.000	-.407
			NoiseBlock	1.000	-.306
			Beam + DNN	.003	-.696
		Beam + NoiseBlock	No Processing	1.000	-.238
			Beam	1.000	-.295
			DNN	1.000	-.397
			NoiseBlock	1.000	-.296
			Beam + DNN	.004	-.686
		DNN	No Processing	1.000	-.146
			Beam	1.000	-.203
			Beam + NoiseBlock	1.000	-.214
			NoiseBlock	1.000	-.205
			Beam + DNN	.081	-.594
		NoiseBlock	No Processing	1.000	-.247
			Beam	1.000	-.304
			Beam + NoiseBlock	1.000	-.314
			DNN	1.000	-.406
			Beam + DNN	.003	-.695
		Beam + DNN	No Processing	<.001	.143
			Beam	.003	.086
			Beam + NoiseBlock	.004	.076
			DNN	.081	-.016
			NoiseBlock	.003	.085
	Vented Dome	No Processing	Beam	1.000	-.485
			Beam + NoiseBlock	1.000	-.613
			DNN	.748	-.720
			NoiseBlock	1.000	-.508
			Beam + DNN	1.000	-.694
		Beam	No Processing	1.000	-.378
			Beam + NoiseBlock	1.000	-.559
			DNN	1.000	-.666
			NoiseBlock	1.000	-.454
			Beam + DNN	1.000	-.640
		Beam + NoiseBlock	No Processing	1.000	-.251
			Beam	1.000	-.304

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
		Beam	No Processing	.362
			Beam + NoiseBlock	.295
			DNN	.203
			NoiseBlock	.304
			Beam + DNN	-.086
		Beam + NoiseBlock	No Processing	.373
			Beam	.316
			DNN	.214
			NoiseBlock	.314
			Beam + DNN	-.076
		DNN	No Processing	.464
			Beam	.407
			Beam + NoiseBlock	.397
			NoiseBlock	.406
			Beam + DNN	.016
		NoiseBlock	No Processing	.364
			Beam	.306
			Beam + NoiseBlock	.296
			DNN	.205
			Beam + DNN	-.085
		Beam + DNN	No Processing	.754
			Beam	.696
			Beam + NoiseBlock	.686
			DNN	.594
			NoiseBlock	.695
	Vented Dome	No Processing	Beam	.378
			Beam + NoiseBlock	.251
			DNN	.144
			NoiseBlock	.355
			Beam + DNN	.169
		Beam	No Processing	.485
			Beam + NoiseBlock	.304
			DNN	.197
			NoiseBlock	.409
			Beam + DNN	.223
		Beam + NoiseBlock	No Processing	.613
			Beam	.559

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			DNN	-.107	.147	1077.418
			NoiseBlock	.105	.147	1077.418
			Beam + DNN	-.081	.147	1077.418
		DNN	No Processing	.288	.147	1077.418
			Beam	.234	.147	1077.418
			Beam + NoiseBlock	.107	.147	1077.418
			NoiseBlock	.212	.147	1077.418
			Beam + DNN	.026	.147	1077.418
		NoiseBlock	No Processing	.076	.147	1077.418
			Beam	.023	.147	1077.418
			Beam + NoiseBlock	-.105	.147	1077.418
			DNN	-.212	.147	1077.418
			Beam + DNN	-.186	.147	1077.418
		Beam + DNN	No Processing	.262	.147	1077.418
			Beam	.209	.147	1077.418
			Beam + NoiseBlock	.081	.147	1077.418
			DNN	-.026	.147	1077.418
			NoiseBlock	.186	.147	1077.418
	Open Dome	No Processing	Beam	.009	.147	1077.418
			Beam + NoiseBlock	-.069	.147	1077.418
			DNN	-.102	.147	1077.418
			NoiseBlock	-.019	.147	1077.418
			Beam + DNN	-.090	.147	1077.418
		Beam	No Processing	-.009	.147	1077.418
			Beam + NoiseBlock	-.078	.147	1077.418
			DNN	-.111	.147	1077.418
			NoiseBlock	-.028	.147	1077.418
			Beam + DNN	-.099	.147	1077.418
		Beam + NoiseBlock	No Processing	.069	.147	1077.418
			Beam	.078	.147	1077.418
			DNN	-.033	.147	1077.418
			NoiseBlock	.050	.147	1077.418
			Beam + DNN	-.021	.147	1077.418
		DNN	No Processing	.102	.147	1077.418
			Beam	.111	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
			DNN	1.000	-.539
			NoiseBlock	1.000	-.327
			Beam + DNN	1.000	-.513
		DNN	No Processing	.748	-.144
			Beam	1.000	-.197
			Beam + NoiseBlock	1.000	-.325
			NoiseBlock	1.000	-.220
			Beam + DNN	1.000	-.406
		NoiseBlock	No Processing	1.000	-.355
			Beam	1.000	-.409
			Beam + NoiseBlock	1.000	-.536
			DNN	1.000	-.643
			Beam + DNN	1.000	-.618
		Beam + DNN	No Processing	1.000	-.169
			Beam	1.000	-.223
			Beam + NoiseBlock	1.000	-.350
			DNN	1.000	-.457
			NoiseBlock	1.000	-.245
	Open Dome	No Processing	Beam	1.000	-.423
			Beam + NoiseBlock	1.000	-.500
			DNN	1.000	-.534
			NoiseBlock	1.000	-.450
			Beam + DNN	1.000	-.521
		Beam	No Processing	1.000	-.441
			Beam + NoiseBlock	1.000	-.509
			DNN	1.000	-.543
			NoiseBlock	1.000	-.459
			Beam + DNN	1.000	-.530
		Beam + NoiseBlock	No Processing	1.000	-.363
			Beam	1.000	-.354
			DNN	1.000	-.465
			NoiseBlock	1.000	-.382
			Beam + DNN	1.000	-.452
		DNN	No Processing	1.000	-.329
			Beam	1.000	-.320

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			DNN	.325
			NoiseBlock	.536
			Beam + DNN	.350
		DNN	No Processing	.720
			Beam	.666
			Beam + NoiseBlock	.539
			NoiseBlock	.643
			Beam + DNN	.457
		NoiseBlock	No Processing	.508
			Beam	.454
			Beam + NoiseBlock	.327
			DNN	.220
			Beam + DNN	.245
		Beam + DNN	No Processing	.694
			Beam	.640
			Beam + NoiseBlock	.513
			DNN	.406
			NoiseBlock	.618
	Open Dome	No Processing	Beam	.441
			Beam + NoiseBlock	.363
			DNN	.329
			NoiseBlock	.413
			Beam + DNN	.342
		Beam	No Processing	.423
			Beam + NoiseBlock	.354
			DNN	.320
			NoiseBlock	.404
			Beam + DNN	.333
		Beam + NoiseBlock	No Processing	.500
			Beam	.509
			DNN	.398
			NoiseBlock	.482
			Beam + DNN	.411
		DNN	No Processing	.534
			Beam	.543

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			Beam + NoiseBlock	.033	.147	1077.418
			NoiseBlock	.084	.147	1077.418
			Beam + DNN	.013	.147	1077.418
		NoiseBlock	No Processing	.019	.147	1077.418
			Beam	.028	.147	1077.418
			Beam + NoiseBlock	-.050	.147	1077.418
			DNN	-.084	.147	1077.418
			Beam + DNN	-.071	.147	1077.418
		Beam + DNN	No Processing	.090	.147	1077.418
			Beam	.099	.147	1077.418
			Beam + NoiseBlock	.021	.147	1077.418
			DNN	-.013	.147	1077.418
			NoiseBlock	.071	.147	1077.418
0	Occluded	No Processing	Beam	-.109	.073	1077.418
			Beam + NoiseBlock	-.168	.073	1077.418
			DNN	-.305[*]	.073	1077.418
			NoiseBlock	-.119	.073	1077.418
			Beam + DNN	-.698[*]	.073	1077.418
		Beam	No Processing	.109	.073	1077.418
			Beam + NoiseBlock	-.059	.073	1077.418
			DNN	-.196	.073	1077.418
			NoiseBlock	-.010	.073	1077.418
			Beam + DNN	-.589[*]	.073	1077.418
		Beam + NoiseBlock	No Processing	.168	.073	1077.418
			Beam	.059	.073	1077.418
			DNN	-.137	.073	1077.418
			NoiseBlock	.050	.073	1077.418
			Beam + DNN	-.530[*]	.073	1077.418
		DNN	No Processing	.305[*]	.073	1077.418
			Beam	.196	.073	1077.418
			Beam + NoiseBlock	.137	.073	1077.418
			NoiseBlock	.186	.073	1077.418
			Beam + DNN	-.393[*]	.073	1077.418
		NoiseBlock	No Processing	.119	.073	1077.418
			Beam	.010	.073	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for[c]... Lower Bound
			Beam + NoiseBlock	1.000	-.398
			NoiseBlock	1.000	-.348
			Beam + DNN	1.000	-.419
		NoiseBlock	No Processing	1.000	-.413
			Beam	1.000	-.404
			Beam + NoiseBlock	1.000	-.482
			DNN	1.000	-.515
			Beam + DNN	1.000	-.502
		Beam + DNN	No Processing	1.000	-.342
			Beam	1.000	-.333
			Beam + NoiseBlock	1.000	-.411
			DNN	1.000	-.444
			NoiseBlock	1.000	-.361
0	Occluded	No Processing	Beam	1.000	-.325
			Beam + NoiseBlock	.328	-.384
			DNN	<.001	-.521
			NoiseBlock	1.000	-.335
			Beam + DNN	<.001	-.914
		Beam	No Processing	1.000	-.107
			Beam + NoiseBlock	1.000	-.275
			DNN	.114	-.412
			NoiseBlock	1.000	-.225
			Beam + DNN	<.001	-.805
		Beam + NoiseBlock	No Processing	.328	-.047
			Beam	1.000	-.157
			DNN	.935	-.353
			NoiseBlock	1.000	-.166
			Beam + DNN	<.001	-.745
		DNN	No Processing	<.001	.090
			Beam	.114	-.020
			Beam + NoiseBlock	.935	-.079
			NoiseBlock	.167	-.029
			Beam + DNN	<.001	-.608
		NoiseBlock	No Processing	1.000	-.097
			Beam	1.000	-.206

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			Beam + NoiseBlock	.465
			NoiseBlock	.515
			Beam + DNN	.444
		NoiseBlock	No Processing	.450
			Beam	.459
			Beam + NoiseBlock	.382
			DNN	.348
			Beam + DNN	.361
		Beam + DNN	No Processing	.521
			Beam	.530
			Beam + NoiseBlock	.452
			DNN	.419
			NoiseBlock	.502
0	Occluded	No Processing	Beam	.107
			Beam + NoiseBlock	.047
			DNN	-.090
			NoiseBlock	.097
			Beam + DNN	-.482
		Beam	No Processing	.325
			Beam + NoiseBlock	.157
			DNN	.020
			NoiseBlock	.206
			Beam + DNN	-.373
		Beam + NoiseBlock	No Processing	.384
			Beam	.275
			DNN	.079
			NoiseBlock	.265
			Beam + DNN	-.314
		DNN	No Processing	.521
			Beam	.412
			Beam + NoiseBlock	.353
			NoiseBlock	.402
			Beam + DNN	-.177
		NoiseBlock	No Processing	.335
			Beam	.225

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			Beam + NoiseBlock	-.050	.073	1077.418
			DNN	-.186	.073	1077.418
			Beam + DNN	-.579[*]	.073	1077.418
		Beam + DNN	No Processing	.698[*]	.073	1077.418
			Beam	.589[*]	.073	1077.418
			Beam + NoiseBlock	.530[*]	.073	1077.418
			DNN	.393[*]	.073	1077.418
			NoiseBlock	.579[*]	.073	1077.418
	1 mm	No Processing	Beam	-.142	.104	1077.418
			Beam + NoiseBlock	-.299	.104	1077.418
			DNN	-.312[*]	.104	1077.418
			NoiseBlock	-.191	.104	1077.418
			Beam + DNN	-.668[*]	.104	1077.418
		Beam	No Processing	.142	.104	1077.418
			Beam + NoiseBlock	-.157	.104	1077.418
			DNN	-.170	.104	1077.418
			NoiseBlock	-.049	.104	1077.418
			Beam + DNN	-.527[*]	.104	1077.418
		Beam + NoiseBlock	No Processing	.299	.104	1077.418
			Beam	.157	.104	1077.418
			DNN	-.013	.104	1077.418
			NoiseBlock	.108	.104	1077.418
			Beam + DNN	-.370[*]	.104	1077.418
		DNN	No Processing	.312[*]	.104	1077.418
			Beam	.170	.104	1077.418
			Beam + NoiseBlock	.013	.104	1077.418
			NoiseBlock	.121	.104	1077.418
			Beam + DNN	-.357[*]	.104	1077.418
		NoiseBlock	No Processing	.191	.104	1077.418
			Beam	.049	.104	1077.418
			Beam + NoiseBlock	-.108	.104	1077.418
			DNN	-.121	.104	1077.418
			Beam + DNN	-.477[*]	.104	1077.418
		Beam + DNN	No Processing	.668[*]	.104	1077.418
			Beam	.527[*]	.104	1077.418
			Beam + NoiseBlock	.370[*]	.104	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
			Beam + NoiseBlock	1.000	-.265
			DNN	.167	-.402
			Beam + DNN	<.001	-.795
		Beam + DNN	No Processing	<.001	.482
			Beam	<.001	.373
			Beam + NoiseBlock	<.001	.314
			DNN	<.001	.177
			NoiseBlock	<.001	.363
	1 mm	No Processing	Beam	1.000	-.447
			Beam + NoiseBlock	.061	-.604
			DNN	.041	-.617
			NoiseBlock	.989	-.496
			Beam + DNN	<.001	-.974
		Beam	No Processing	1.000	-.163
			Beam + NoiseBlock	1.000	-.462
			DNN	1.000	-.475
			NoiseBlock	1.000	-.354
			Beam + DNN	<.001	-.832
		Beam + NoiseBlock	No Processing	.061	-.007
			Beam	1.000	-.148
			DNN	1.000	-.318
			NoiseBlock	1.000	-.198
			Beam + DNN	.006	-.675
		DNN	No Processing	.041	.007
			Beam	1.000	-.135
			Beam + NoiseBlock	1.000	-.292
			NoiseBlock	1.000	-.184
			Beam + DNN	.009	-.662
		NoiseBlock	No Processing	.989	-.114
			Beam	1.000	-.256
			Beam + NoiseBlock	1.000	-.413
			DNN	1.000	-.426
			Beam + DNN	<.001	-.783
		Beam + DNN	No Processing	<.001	.363
			Beam	<.001	.221
			Beam + NoiseBlock	.006	.065

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			Beam + NoiseBlock	.166
			DNN	.029
			Beam + DNN	-.363
		Beam + DNN	No Processing	.914
			Beam	.805
			Beam + NoiseBlock	.745
			DNN	.608
			NoiseBlock	.795
	1 mm	No Processing	Beam	.163
			Beam + NoiseBlock	.007
			DNN	-.007
			NoiseBlock	.114
			Beam + DNN	-.363
		Beam	No Processing	.447
			Beam + NoiseBlock	.148
			DNN	.135
			NoiseBlock	.256
			Beam + DNN	-.221
		Beam + NoiseBlock	No Processing	.604
			Beam	.462
			DNN	.292
			NoiseBlock	.413
			Beam + DNN	-.065
		DNN	No Processing	.617
			Beam	.475
			Beam + NoiseBlock	.318
			NoiseBlock	.426
			Beam + DNN	-.051
		NoiseBlock	No Processing	.496
			Beam	.354
			Beam + NoiseBlock	.198
			DNN	.184
			Beam + DNN	-.172
		Beam + DNN	No Processing	.974
			Beam	.832
			Beam + NoiseBlock	.675

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			DNN	.357[*]	.104	1077.418
			NoiseBlock	.477[*]	.104	1077.418
	Vented Dome	No Processing	Beam	-.115	.147	1077.418
			Beam + NoiseBlock	-.092	.147	1077.418
			DNN	-.251	.147	1077.418
			NoiseBlock	-.117	.147	1077.418
			Beam + DNN	-.446[*]	.147	1077.418
		Beam	No Processing	.115	.147	1077.418
			Beam + NoiseBlock	.023	.147	1077.418
			DNN	-.136	.147	1077.418
			NoiseBlock	-.002	.147	1077.418
			Beam + DNN	-.331	.147	1077.418
		Beam + NoiseBlock	No Processing	.092	.147	1077.418
			Beam	-.023	.147	1077.418
			DNN	-.159	.147	1077.418
			NoiseBlock	-.025	.147	1077.418
			Beam + DNN	-.354	.147	1077.418
		DNN	No Processing	.251	.147	1077.418
			Beam	.136	.147	1077.418
			Beam + NoiseBlock	.159	.147	1077.418
			NoiseBlock	.134	.147	1077.418
			Beam + DNN	-.195	.147	1077.418
		NoiseBlock	No Processing	.117	.147	1077.418
			Beam	.002	.147	1077.418
			Beam + NoiseBlock	.025	.147	1077.418
			DNN	-.134	.147	1077.418
			Beam + DNN	-.329	.147	1077.418
		Beam + DNN	No Processing	.446[*]	.147	1077.418
			Beam	.331	.147	1077.418
			Beam + NoiseBlock	.354	.147	1077.418
			DNN	.195	.147	1077.418
			NoiseBlock	.329	.147	1077.418
	Open Dome	No Processing	Beam	-.129	.147	1077.418
			Beam + NoiseBlock	-.091	.147	1077.418
			DNN	-.178	.147	1077.418
			NoiseBlock	-.006	.147	1077.418
			Beam + DNN	-.200	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for[c].. Lower Bound
			DNN	.009	.051
			NoiseBlock	<.001	.172
	Vented Dome	No Processing	Beam	1.000	-.546
			Beam + NoiseBlock	1.000	-.523
			DNN	1.000	-.683
			NoiseBlock	1.000	-.548
			Beam + DNN	.037	-.877
		Beam	No Processing	1.000	-.317
			Beam + NoiseBlock	1.000	-.408
			DNN	1.000	-.568
			NoiseBlock	1.000	-.434
			Beam + DNN	.364	-.763
		Beam + NoiseBlock	No Processing	1.000	-.340
			Beam	1.000	-.455
			DNN	1.000	-.591
			NoiseBlock	1.000	-.457
			Beam + DNN	.239	-.786
		DNN	No Processing	1.000	-.181
			Beam	1.000	-.295
			Beam + NoiseBlock	1.000	-.272
			NoiseBlock	1.000	-.297
			Beam + DNN	1.000	-.626
		NoiseBlock	No Processing	1.000	-.315
			Beam	1.000	-.430
			Beam + NoiseBlock	1.000	-.406
			DNN	1.000	-.566
			Beam + DNN	.376	-.761
		Beam + DNN	No Processing	.037	.014
			Beam	.364	-.101
			Beam + NoiseBlock	.239	-.077
			DNN	1.000	-.237
			NoiseBlock	.376	-.102
	Open Dome	No Processing	Beam	1.000	-.561
			Beam + NoiseBlock	1.000	-.522
			DNN	1.000	-.609
			NoiseBlock	1.000	-.438
			Beam + DNN	1.000	-.632

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
	Vented Dome	No Processing	DNN	.662
			NoiseBlock	.783
			Beam	.317
			Beam + NoiseBlock	.340
			DNN	.181
			NoiseBlock	.315
			Beam + DNN	-.014
		Beam	No Processing	.546
			Beam + NoiseBlock	.455
			DNN	.295
			NoiseBlock	.430
			Beam + DNN	.101
		Beam + NoiseBlock	No Processing	.523
			Beam	.408
			DNN	.272
			NoiseBlock	.406
			Beam + DNN	.077
		DNN	No Processing	.683
			Beam	.568
			Beam + NoiseBlock	.591
			NoiseBlock	.566
			Beam + DNN	.237
		NoiseBlock	No Processing	.548
			Beam	.434
			Beam + NoiseBlock	.457
			DNN	.297
			Beam + DNN	.102
		Beam + DNN	No Processing	.877
			Beam	.763
			Beam + NoiseBlock	.786
			DNN	.626
			NoiseBlock	.761
	Open Dome	No Processing	Beam	.303
			Beam + NoiseBlock	.341
			DNN	.254
			NoiseBlock	.426
			Beam + DNN	.231

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam	No Processing	.129	.147	1077.418
			Beam + NoiseBlock	.038	.147	1077.418
			DNN	-.049	.147	1077.418
			NoiseBlock	.123	.147	1077.418
			Beam + DNN	-.071	.147	1077.418
		Beam + NoiseBlock	No Processing	.091	.147	1077.418
			Beam	-.038	.147	1077.418
			DNN	-.087	.147	1077.418
			NoiseBlock	.085	.147	1077.418
			Beam + DNN	-.110	.147	1077.418
		DNN	No Processing	.178	.147	1077.418
			Beam	.049	.147	1077.418
			Beam + NoiseBlock	.087	.147	1077.418
			NoiseBlock	.172	.147	1077.418
			Beam + DNN	-.023	.147	1077.418
		NoiseBlock	No Processing	.006	.147	1077.418
			Beam	-.123	.147	1077.418
			Beam + NoiseBlock	-.085	.147	1077.418
			DNN	-.172	.147	1077.418
			Beam + DNN	-.194	.147	1077.418
		Beam + DNN	No Processing	.200	.147	1077.418
			Beam	.071	.147	1077.418
			Beam + NoiseBlock	.110	.147	1077.418
			DNN	.023	.147	1077.418
			NoiseBlock	.194	.147	1077.418
5	Occluded	No Processing	Beam	-.222[*]	.073	1077.418
			Beam + NoiseBlock	-.282[*]	.073	1077.418
			DNN	-.442[*]	.073	1077.418
			NoiseBlock	-.215	.073	1077.418
			Beam + DNN	-.778[*]	.073	1077.418
		Beam	No Processing	.222[*]	.073	1077.418
			Beam + NoiseBlock	-.060	.073	1077.418
			DNN	-.219[*]	.073	1077.418
			NoiseBlock	.007	.073	1077.418
			Beam + DNN	-.555[*]	.073	1077.418
		Beam + NoiseBlock	No Processing	.282[*]	.073	1077.418
			Beam	.060	.073	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
		Beam	No Processing	1.000	-.303
			Beam + NoiseBlock	1.000	-.393
			DNN	1.000	-.480
			NoiseBlock	1.000	-.309
			Beam + DNN	1.000	-.503
		Beam + NoiseBlock	No Processing	1.000	-.341
			Beam	1.000	-.470
			DNN	1.000	-.519
			NoiseBlock	1.000	-.347
			Beam + DNN	1.000	-.541
		DNN	No Processing	1.000	-.254
			Beam	1.000	-.383
			Beam + NoiseBlock	1.000	-.344
			NoiseBlock	1.000	-.260
			Beam + DNN	1.000	-.454
		NoiseBlock	No Processing	1.000	-.426
			Beam	1.000	-.555
			Beam + NoiseBlock	1.000	-.516
			DNN	1.000	-.603
			Beam + DNN	1.000	-.626
		Beam + DNN	No Processing	1.000	-.231
			Beam	1.000	-.360
			Beam + NoiseBlock	1.000	-.322
			DNN	1.000	-.409
			NoiseBlock	1.000	-.237
5	Occluded	No Processing	Beam	.037	-.438
			Beam + NoiseBlock	.002	-.498
			DNN	<.001	-.657
			NoiseBlock	.052	-.431
			Beam + DNN	<.001	-.993
		Beam	No Processing	.037	.007
			Beam + NoiseBlock	1.000	-.276
			DNN	.043	-.435
			NoiseBlock	1.000	-.208
			Beam + DNN	<.001	-.771
		Beam + NoiseBlock	No Processing	.002	.067
			Beam	1.000	-.156

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
		Beam	No Processing	.561
			Beam + NoiseBlock	.470
			DNN	.383
			NoiseBlock	.555
			Beam + DNN	.360
		Beam + NoiseBlock	No Processing	.522
			Beam	.393
			DNN	.344
			NoiseBlock	.516
			Beam + DNN	.322
		DNN	No Processing	.609
			Beam	.480
			Beam + NoiseBlock	.519
			NoiseBlock	.603
			Beam + DNN	.409
		NoiseBlock	No Processing	.438
			Beam	.309
			Beam + NoiseBlock	.347
			DNN	.260
			Beam + DNN	.237
		Beam + DNN	No Processing	.632
			Beam	.503
			Beam + NoiseBlock	.541
			DNN	.454
			NoiseBlock	.626
5	Occluded	No Processing	Beam	-.007
			Beam + NoiseBlock	-.067
			DNN	-.226
			NoiseBlock	.001
			Beam + DNN	-.562
		Beam	No Processing	.438
			Beam + NoiseBlock	.156
			DNN	-.003
			NoiseBlock	.223
			Beam + DNN	-.339
		Beam + NoiseBlock	No Processing	.498
			Beam	.276

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			DNN	-.159	.073	1077.418
			NoiseBlock	.067	.073	1077.418
			Beam + DNN	-.495*	.073	1077.418
		DNN	No Processing	.442*	.073	1077.418
			Beam	.219*	.073	1077.418
			Beam + NoiseBlock	.159	.073	1077.418
			NoiseBlock	.227*	.073	1077.418
			Beam + DNN	-.336*	.073	1077.418
		NoiseBlock	No Processing	.215	.073	1077.418
			Beam	-.007	.073	1077.418
			Beam + NoiseBlock	-.067	.073	1077.418
			DNN	-.227*	.073	1077.418
			Beam + DNN	-.562*	.073	1077.418
		Beam + DNN	No Processing	.778*	.073	1077.418
			Beam	.555*	.073	1077.418
			Beam + NoiseBlock	.495*	.073	1077.418
			DNN	.336*	.073	1077.418
			NoiseBlock	.562*	.073	1077.418
	1 mm	No Processing	Beam	-.117	.104	1077.418
			Beam + NoiseBlock	-.164	.104	1077.418
			DNN	-.293	.104	1077.418
			NoiseBlock	-.132	.104	1077.418
			Beam + DNN	-.692*	.104	1077.418
		Beam	No Processing	.117	.104	1077.418
			Beam + NoiseBlock	-.047	.104	1077.418
			DNN	-.176	.104	1077.418
			NoiseBlock	-.015	.104	1077.418
			Beam + DNN	-.575*	.104	1077.418
		Beam + NoiseBlock	No Processing	.164	.104	1077.418
			Beam	.047	.104	1077.418
			DNN	-.129	.104	1077.418
			NoiseBlock	.032	.104	1077.418
			Beam + DNN	-.527*	.104	1077.418
		DNN	No Processing	.293	.104	1077.418
			Beam	.176	.104	1077.418
			Beam + NoiseBlock	.129	.104	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
			DNN	.453	-.375
			NoiseBlock	1.000	-.148
			Beam + DNN	<.001	-.711
		DNN	No Processing	<.001	.226
			Beam	.043	.003
			Beam + NoiseBlock	.453	-.057
			NoiseBlock	.031	.011
			Beam + DNN	<.001	-.552
		NoiseBlock	No Processing	.052	-.001
			Beam	1.000	-.223
			Beam + NoiseBlock	1.000	-.283
			DNN	.031	-.442
			Beam + DNN	<.001	-.778
		Beam + DNN	No Processing	<.001	.562
			Beam	<.001	.339
			Beam + NoiseBlock	<.001	.279
			DNN	<.001	.120
			NoiseBlock	<.001	.347
	1 mm	No Processing	Beam	1.000	-.422
			Beam + NoiseBlock	1.000	-.470
			DNN	.072	-.598
			NoiseBlock	1.000	-.438
			Beam + DNN	<.001	-.997
		Beam	No Processing	1.000	-.188
			Beam + NoiseBlock	1.000	-.352
			DNN	1.000	-.481
			NoiseBlock	1.000	-.320
			Beam + DNN	<.001	-.880
		Beam + NoiseBlock	No Processing	1.000	-.141
			Beam	1.000	-.258
			DNN	1.000	-.434
			NoiseBlock	1.000	-.273
			Beam + DNN	<.001	-.833
		DNN	No Processing	.072	-.012
			Beam	1.000	-.129
			Beam + NoiseBlock	1.000	-.177

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			DNN	.057
			NoiseBlock	.283
			Beam + DNN	-.279
		DNN	No Processing	.657
			Beam	.435
			Beam + NoiseBlock	.375
			NoiseBlock	.442
			Beam + DNN	-.120
		NoiseBlock	No Processing	.431
			Beam	.208
			Beam + NoiseBlock	.148
			DNN	-.011
			Beam + DNN	-.347
		Beam + DNN	No Processing	.993
			Beam	.771
			Beam + NoiseBlock	.711
			DNN	.552
			NoiseBlock	.778
	1 mm	No Processing	Beam	.188
			Beam + NoiseBlock	.141
			DNN	.012
			NoiseBlock	.173
			Beam + DNN	-.387
		Beam	No Processing	.422
			Beam + NoiseBlock	.258
			DNN	.129
			NoiseBlock	.290
			Beam + DNN	-.269
		Beam + NoiseBlock	No Processing	.470
			Beam	.352
			DNN	.177
			NoiseBlock	.337
			Beam + DNN	-.222
		DNN	No Processing	.598
			Beam	.481
			Beam + NoiseBlock	.434

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			NoiseBlock	.161	.104	1077.418
			Beam + DNN	-.399[*]	.104	1077.418
		NoiseBlock	No Processing	.132	.104	1077.418
			Beam	.015	.104	1077.418
			Beam + NoiseBlock	-.032	.104	1077.418
			DNN	-.161	.104	1077.418
			Beam + DNN	-.560[*]	.104	1077.418
		Beam + DNN	No Processing	.692[*]	.104	1077.418
			Beam	.575[*]	.104	1077.418
			Beam + NoiseBlock	.527[*]	.104	1077.418
			DNN	.399[*]	.104	1077.418
			NoiseBlock	.560[*]	.104	1077.418
	Vented Dome	No Processing	Beam	-.131	.147	1077.418
			Beam + NoiseBlock	-.293	.147	1077.418
			DNN	-.372	.147	1077.418
			NoiseBlock	-.191	.147	1077.418
			Beam + DNN	-.686[*]	.147	1077.418
		Beam	No Processing	.131	.147	1077.418
			Beam + NoiseBlock	-.161	.147	1077.418
			DNN	-.240	.147	1077.418
			NoiseBlock	-.059	.147	1077.418
			Beam + DNN	-.554[*]	.147	1077.418
		Beam + NoiseBlock	No Processing	.293	.147	1077.418
			Beam	.161	.147	1077.418
			DNN	-.079	.147	1077.418
			NoiseBlock	.102	.147	1077.418
			Beam + DNN	-.393	.147	1077.418
		DNN	No Processing	.372	.147	1077.418
			Beam	.240	.147	1077.418
			Beam + NoiseBlock	.079	.147	1077.418
			NoiseBlock	.181	.147	1077.418
			Beam + DNN	-.314	.147	1077.418
		NoiseBlock	No Processing	.191	.147	1077.418
			Beam	.059	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c] Lower Bound
			NoiseBlock	1.000	-.144
			Beam + DNN	.002	-.704
		NoiseBlock	No Processing	1.000	-.173
			Beam	1.000	-.290
			Beam + NoiseBlock	1.000	-.337
			DNN	1.000	-.466
			Beam + DNN	<.001	-.865
		Beam + DNN	No Processing	<.001	.387
			Beam	<.001	.269
			Beam + NoiseBlock	<.001	.222
			DNN	.002	.094
			NoiseBlock	<.001	.254
	Vented Dome	No Processing	Beam	1.000	-.563
			Beam + NoiseBlock	.692	-.725
			DNN	.172	-.803
			NoiseBlock	1.000	-.622
			Beam + DNN	<.001	-1.117
		Beam	No Processing	1.000	-.300
			Beam + NoiseBlock	1.000	-.593
			DNN	1.000	-.672
			NoiseBlock	1.000	-.491
			Beam + DNN	.003	-.986
		Beam + NoiseBlock	No Processing	.692	-.139
			Beam	1.000	-.270
			DNN	1.000	-.510
			NoiseBlock	1.000	-.330
			Beam + DNN	.113	-.824
		DNN	No Processing	.172	-.060
			Beam	1.000	-.192
			Beam + NoiseBlock	1.000	-.353
			NoiseBlock	1.000	-.251
			Beam + DNN	.486	-.746
		NoiseBlock	No Processing	1.000	-.241
			Beam	1.000	-.372

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			NoiseBlock	.466
			Beam + DNN	-.094
		NoiseBlock	No Processing	.438
			Beam	.320
			Beam + NoiseBlock	.273
			DNN	.144
			Beam + DNN	-.254
		Beam + DNN	No Processing	.997
			Beam	.880
			Beam + NoiseBlock	.833
			DNN	.704
			NoiseBlock	.865
	Vented Dome	No Processing	Beam	.300
			Beam + NoiseBlock	.139
			DNN	.060
			NoiseBlock	.241
			Beam + DNN	-.254
		Beam	No Processing	.563
			Beam + NoiseBlock	.270
			DNN	.192
			NoiseBlock	.372
			Beam + DNN	-.123
		Beam + NoiseBlock	No Processing	.725
			Beam	.593
			DNN	.353
			NoiseBlock	.534
			Beam + DNN	.039
		DNN	No Processing	.803
			Beam	.672
			Beam + NoiseBlock	.510
			NoiseBlock	.612
			Beam + DNN	.117
		NoiseBlock	No Processing	.622
			Beam	.491

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			Beam + NoiseBlock	-.102	.147	1077.418
			DNN	-.181	.147	1077.418
			Beam + DNN	-.495[*]	.147	1077.418
		Beam + DNN	No Processing	.686[*]	.147	1077.418
			Beam	.554[*]	.147	1077.418
			Beam + NoiseBlock	.393	.147	1077.418
			DNN	.314	.147	1077.418
			NoiseBlock	.495[*]	.147	1077.418
	Open Dome	No Processing	Beam	-.187	.147	1077.418
			Beam + NoiseBlock	-.162	.147	1077.418
			DNN	-.258	.147	1077.418
			NoiseBlock	-.177	.147	1077.418
			Beam + DNN	-.282	.147	1077.418
		Beam	No Processing	.187	.147	1077.418
			Beam + NoiseBlock	.024	.147	1077.418
			DNN	-.072	.147	1077.418
			NoiseBlock	.010	.147	1077.418
			Beam + DNN	-.096	.147	1077.418
		Beam + NoiseBlock	No Processing	.162	.147	1077.418
			Beam	-.024	.147	1077.418
			DNN	-.096	.147	1077.418
			NoiseBlock	-.014	.147	1077.418
			Beam + DNN	-.120	.147	1077.418
		DNN	No Processing	.258	.147	1077.418
			Beam	.072	.147	1077.418
			Beam + NoiseBlock	.096	.147	1077.418
			NoiseBlock	.081	.147	1077.418
			Beam + DNN	-.024	.147	1077.418
		NoiseBlock	No Processing	.177	.147	1077.418
			Beam	-.010	.147	1077.418
			Beam + NoiseBlock	.014	.147	1077.418
			DNN	-.081	.147	1077.418
			Beam + DNN	-.105	.147	1077.418
		Beam + DNN	No Processing	.282	.147	1077.418
			Beam	.096	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for[c]
					Lower Bound
			Beam + NoiseBlock	1.000	-.534
			DNN	1.000	-.612
			Beam + DNN	.012	-.927
		Beam + DNN	No Processing	<.001	.254
			Beam	.003	.123
			Beam + NoiseBlock	.113	-.039
			DNN	.486	-.117
			NoiseBlock	.012	.063
	Open Dome	No Processing	Beam	1.000	-.618
			Beam + NoiseBlock	1.000	-.594
			DNN	1.000	-.690
			NoiseBlock	1.000	-.608
			Beam + DNN	.823	-.714
		Beam	No Processing	1.000	-.245
			Beam + NoiseBlock	1.000	-.408
			DNN	1.000	-.503
			NoiseBlock	1.000	-.422
			Beam + DNN	1.000	-.527
		Beam + NoiseBlock	No Processing	1.000	-.269
			Beam	1.000	-.456
			DNN	1.000	-.527
			NoiseBlock	1.000	-.446
			Beam + DNN	1.000	-.551
		DNN	No Processing	1.000	-.173
			Beam	1.000	-.360
			Beam + NoiseBlock	1.000	-.336
			NoiseBlock	1.000	-.350
			Beam + DNN	1.000	-.456
		NoiseBlock	No Processing	1.000	-.255
			Beam	1.000	-.441
			Beam + NoiseBlock	1.000	-.417
			DNN	1.000	-.513
			Beam + DNN	1.000	-.537
		Beam + DNN	No Processing	.823	-.150
			Beam	1.000	-.336

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			Beam + NoiseBlock	.330
			DNN	.251
			Beam + DNN	-.063
		Beam + DNN	No Processing	1.117
			Beam	.986
			Beam + NoiseBlock	.824
			DNN	.746
			NoiseBlock	.927
	Open Dome	No Processing	Beam	.245
			Beam + NoiseBlock	.269
			DNN	.173
			NoiseBlock	.255
			Beam + DNN	.150
		Beam	No Processing	.618
			Beam + NoiseBlock	.456
			DNN	.360
			NoiseBlock	.441
			Beam + DNN	.336
		Beam + NoiseBlock	No Processing	.594
			Beam	.408
			DNN	.336
			NoiseBlock	.417
			Beam + DNN	.312
		DNN	No Processing	.690
			Beam	.503
			Beam + NoiseBlock	.527
			NoiseBlock	.513
			Beam + DNN	.408
		NoiseBlock	No Processing	.608
			Beam	.422
			Beam + NoiseBlock	.446
			DNN	.350
			Beam + DNN	.326
		Beam + DNN	No Processing	.714
			Beam	.527

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Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
			Beam + NoiseBlock	.120	.147	1077.418
			DNN	.024	.147	1077.418
			NoiseBlock	.105	.147	1077.418

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	Sig.[c]	95% Confidence Interval for [c]... Lower Bound
			Beam + NoiseBlock	1.000	-.312
			DNN	1.000	-.408
			NoiseBlock	1.000	-.326

Pairwise Comparisons[a]

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for [c]... Upper Bound
			Beam + NoiseBlock	.551
			DNN	.456
			NoiseBlock	.537

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: pMOS.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests[a]

SNR	Venting	Numerator df	Denominator df	F	Sig.
-5	Occluded	5	1077.418	13.167	<.001
	1 mm	5	1077.418	4.957	<.001
	Vented Dome	5	1077.418	1.294	.264
	Open Dome	5	1077.418	.213	.957
0	Occluded	5	1077.418	22.913	<.001
	1 mm	5	1077.418	9.546	<.001
	Vented Dome	5	1077.418	2.296	.043
	Open Dome	5	1077.418	.667	.649
5	Occluded	5	1077.418	25.895	<.001
	1 mm	5	1077.418	11.026	<.001
	Vented Dome	5	1077.418	5.232	<.001
	Open Dome	5	1077.418	.915	.470

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: pMOS.