

Omega Rack



Diversified

Rack Test Results

Sales order:- 42861

Job Number:- 67070

Test engineer:- Alistair Hey

Date:- 08/07/2010

Contents

Card type	Serial no.	page
AD5324-2	121333	3
	119805	4
DA5325	120213	5
	120394	6
JI5326-2	121182	7

AD5324-2 MIC/Line input card test results

Serial Number :- 121333

Line-up (with an input of 0dBu at 1KHz)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	0.07	0.05	0.03	0.06	0.02	0.07	0.06	0.06	0.04	0.07	0.03	0.04	0.02	0.04	0.04	0.05	0.05	0.03	0.03	0.05	0.02	0.01	0.04	0.04	0.03	0.05	0.04	0.04	0.04	0.02	0.04	0.06

THD&N (-1dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0138	0.0135	0.0128	0.0125	0.0129	0.0128	0.0133	0.0130	0.0135	0.0134	0.0130	0.0128	0.0139	0.0138	0.0134	0.0131	0.0131	0.0129	0.0137	0.0134	0.0133	0.0132	0.0138	0.0136	0.0132	0.0134	0.0128	0.0124	0.0133	0.0131	0.0137	0.0134
1KHz (%)	0.0151	0.0148	0.0141	0.0139	0.0143	0.0142	0.0147	0.0143	0.0149	0.0147	0.0143	0.0142	0.0152	0.0151	0.0148	0.0144	0.0144	0.0142	0.0150	0.0147	0.0147	0.0145	0.0150	0.0149	0.0146	0.0145	0.0140	0.0138	0.0146	0.0145	0.0150	0.0148
5KHz (%)	0.0256	0.0252	0.0250	0.0247	0.0250	0.0249	0.0253	0.0248	0.0252	0.0248	0.0248	0.0249	0.0253	0.0252	0.0253	0.0247	0.0249	0.0243	0.0253	0.0248	0.0249	0.0245	0.0250	0.0251	0.0251	0.0243	0.0246	0.0246	0.0252	0.0252	0.0255	0.0252

THD&N (-20dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0014	0.0014
1KHz (%)	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0013	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
5KHz (%)	0.0016	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0013	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014

THD&N (-40dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.1348	0.1285	0.1300	0.1278	0.1313	0.1310	0.1278	0.1286	0.1307	0.1306	0.1329	0.1279	0.1306	0.1296	0.1293	0.1315	0.1346	0.1388	0.1276	0.1314	0.1371	0.1324	0.1318	0.1321	0.1313	0.1352	0.1318	0.1330	0.1339	0.1297	0.1310	0.1313
1KHz (%)	0.1359	0.1277	0.1300	0.1248	0.1275	0.1288	0.1250	0.1258	0.1280	0.1294	0.1258	0.1240	0.1313	0.1317	0.1268	0.1290	0.1332	0.1327	0.1270	0.1266	0.1295	0.1280	0.1298	0.1272	0.1275	0.1326	0.1285	0.1285	0.1291	0.1309	0.1263	0.1256
5KHz (%)	0.1269	0.1192	0.1156	0.1175	0.1156	0.1185	0.1162	0.1196	0.1190	0.1195	0.1199	0.1216	0.1213	0.1191	0.1193	0.1168	0.1211	0.1220	0.1166	0.1207	0.1223	0.1186	0.1194	0.1199	0.1177	0.1185	0.1179	0.1232	0.1187	0.1210	0.1188	0.1163

Frequency response (with respect to the level taken at line-up)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.02
5KHz (dBr)	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.02
15KHz (dBr)	-0.07	-0.08	-0.08	-0.08	-0.07	-0.08	-0.08	-0.08	-0.07	-0.08	-0.08	-0.08	-0.07	-0.08	-0.07	-0.08	-0.08	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08
20KHz (dBr)	-0.11	-0.12	-0.11	-0.12	-0.11	-0.12	-0.12	-0.12	-0.11	-0.11	-0.11	-0.12	-0.10	-0.12	-0.11	-0.12	-0.11	-0.12	-0.10	-0.12	-0.11	-0.12	-0.10	-0.11	-0.10	-0.11	-0.11	-0.11	-0.10	-0.12	-0.10	-0.12
30KHz (dBr)	-88.60	-88.10	-88.00	-88.20	-87.80	-87.90	-88.10	-88.10	-88.00	-87.80	-88.00	-87.80	-87.90	-88.00	-88.00	-88.10	-88.10	-87.60	-87.80	-87.90	-87.80	-87.90	-87.80	-87.70	-87.70	-88.10	-87.70	-87.90	-87.90	-88.00	-88.10	-88.00

Input CMR (with respect an input level of 10dBu)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-91.90	-88.40	-85.50	-86.90	-85.40	-89.20	-87.40	-88.30	-89.00	-85.20	-87.20	-86.80	-88.20	-85.60	-87.90	-88.00	-86.10	-85.80	-86.30	-85.20	-85.20	-85.90	-87.80	-85.40	-88.10	-85.40	-84.80	-88.00	-88.00	-86.60	-86.80	-86.00
1KHz (dBr)	-92.80	-89.20	-85.60	-85.20	-85.10	-87.00	-87.90	-88.80	-87.30	-84.80	-85.50	-86.90	-86.80	-84.10	-88.90	-86.50	-87.30	-85.30	-86.20	-83.60	-85.60	-86.00	-86.70	-84.40	-88.50	-87.10	-86.90	-87.80	-88.30	-87.60	-88.40	-88.30
5KHz (dBr)	-92.10	-85.00	-85.20	-83.80	-80.00	-83.50	-85.10	-89.20	-81.70	-80.60	-82.60	-82.10	-85.00	-80.20	-88.70	-82.30	-85.10	-80.80	-84.40	-81.30	-82.50	-82.50	-82.80	-80.80	-86.50	-85.00	-84.30	-82.70	-86.90	-84.60	-82.30	-86.50

Linearity (with respect an input level at lineup)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
-20 (dBr)	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
-40 (dBr)	-0.03	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
-60 (dBr)	-0.21	-0.03	-0.03	0.00	-0.01	-0.03	-0.01	-0.03	-0.01	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.04	-0.03	-0.04	-0.03	-0.02	-0.02	-0.03	-0.03	-0.02	-0.02	-0.03	-0.02	-0.04	-0.02	-0.02	-0.02	-0.01

Niose (with respect an input level at lineup)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	-93.70	-90.40	-90.10	-90.10	-89.90	-90.10	-89.90	-90.10	-90.20	-89.90	-90.00	-90.10	-89.70	-90.00	-90.00	-89.90	-90.10	-89.50	-89.80	-89.80	-89.90	-90.20	-89.90	-89.90	-90.00	-90.00	-89.90	-90.00	-89.80	-90.20	-90.20	-89.80

All measurements taken to a pre fader direct digital output.

AD5324-2 MIC/Line input card test results

Serial Number :- 119805

Line-up (with an input of 0dBu at 1KHz)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	0.05	0.08	0.07	0.08	0.02	0.04	0.01	0.05	0.05	0.04	0.03	0.05	0.04	0.04	0.03	0.05	0.03	0.05	0.13	0.14	0.03	0.06	0.07	0.04	0.05	0.02	0.12	0.14	0.00	0.06	0.00	0.05

THD&N (-1dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0124	0.0118	0.0131	0.0130	0.0119	0.0117	0.0129	0.0128	0.0132	0.0131	0.0128	0.0127	0.0125	0.0122	0.0130	0.0128	0.0131	0.0129	0.0128	0.0126	0.0128	0.0128	0.0130	0.0129	0.0130	0.0126	0.0130	0.0127	0.0128	0.0128	0.0125	0.0120
1KHz (%)	0.0138	0.0134	0.0146	0.0145	0.0135	0.0132	0.0144	0.0143	0.0146	0.0145	0.0141	0.0142	0.0138	0.0136	0.0144	0.0143	0.0145	0.0143	0.0143	0.0141	0.0142	0.0142	0.0144	0.0142	0.0144	0.0140	0.0144	0.0141	0.0142	0.0142	0.0139	0.0135
5KHz (%)	0.0243	0.0244	0.0247	0.0250	0.0282	0.0235	0.0245	0.0246	0.0245	0.0244	0.0240	0.0243	0.0238	0.0238	0.0243	0.0243	0.0245	0.0239	0.0246	0.0243	0.0240	0.0240	0.0243	0.0243	0.0244	0.0240	0.0246	0.0240	0.0245	0.0241	0.0243	0.0238

THD&N (-20dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0015	0.0015	0.0014	0.0015	0.0015	0.0016	0.0015	0.0016	0.0015	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0014	0.0014	0.0015	
1KHz (%)	0.0014	0.0014	0.0014	0.0014	0.0017	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0014	0.0014	
5KHz (%)	0.0015	0.0014	0.0015	0.0014	0.0029	0.0013	0.0014	0.0014	0.0014	0.0013	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0014	

THD&N (-40dBr)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.1322	0.1311	0.1337	0.1389	0.1300	0.1339	0.1347	0.1299	0.1335	0.1324	0.1331	0.1363	0.1347	0.1411	0.1373	0.1487	0.1348	0.1397	0.1334	0.1360	0.1355	0.1348	0.1331	0.1339	0.1333	0.1352	0.1301	0.1332	0.1356	0.1330	0.1332	0.1365
1KHz (%)	0.1288	0.1288	0.1293	0.1343	0.1294	0.1309	0.1328	0.1300	0.1307	0.1316	0.1298	0.1291	0.1349	0.1375	0.1333	0.1414	0.1326	0.1368	0.1345	0.1339	0.1321	0.1323	0.1312	0.1321	0.1315	0.1322	0.1293	0.1281	0.1339	0.1304	0.1314	0.1343
5KHz (%)	0.1216	0.1221	0.1202	0.1243	0.1211	0.1236	0.1202	0.1208	0.1224	0.1229	0.1232	0.1265	0.1212	0.1258	0.1247	0.1287	0.1247	0.1247	0.1239	0.1239	0.1220	0.1225	0.1208	0.1202	0.1193	0.1240	0.1221	0.1229	0.1247	0.1206	0.1190	0.1248

Frequency response (with respect to the level taken at line-up)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02
5KHz (dBr)	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02
15KHz (dBr)	-0.07	-0.08	-0.08	-0.07	-0.07	-0.08	-0.08	-0.07	-0.07	-0.07	-0.07	-0.08	-0.07	-0.07	-0.08	-0.07	-0.07	-0.08	-0.07	-0.07	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.08	-0.07	-0.07	-0.07	-0.08
20KHz (dBr)	-0.10	-0.11	-0.11	-0.11	-0.10	-0.11	-0.11	-0.10	-0.10	-0.11	-0.10	-0.12	-0.10	-0.11	-0.12	-0.11	-0.10	-0.11	-0.10	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.10	-0.11	-0.11	-0.11
30KHz (dBr)	-87.40	-87.30	-87.40	-87.30	-87.50	-87.60	-87.40	-87.60	-87.60	-87.50	-87.70	-87.60	-87.40	-87.50	-88.20	-87.90	-87.80	-87.70	-87.70	-87.30	-87.50	-87.60	-87.70	-87.50	-87.50	-87.20	-87.00	-87.10	-87.20	-87.40	-87.20	-87.20

Input CMR (with respect an input level of 10dBu)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-85.50	-87.60	-86.70	-87.50	-88.30	-84.10	-82.60	-84.10	-88.80	-85.90	-87.70	-83.00	-85.40	-86.70	-85.00	-86.30	-85.90	-87.30	-87.70	-83.00	-87.00	-88.00	-85.90	-89.10	-88.00	-87.00	-81.20	-87.00	-84.70	-89.20	-76.10	-87.20
1KHz (dBr)	-87.60	-88.30	-87.70	-87.60	-88.20	-88.70	-87.10	-84.60	-88.70	-86.00	-88.30	-81.60	-86.80	-87.00	-84.30	-87.30	-85.40	-87.70	-85.50	-84.20	-86.30	-88.80	-88.50	-88.80	-88.70	-88.70	-81.60	-86.90	-83.60	-89.00	-77.20	-88.80
5KHz (dBr)	-85.90	-87.80	-85.20	-84.20	-82.10	-85.80	-87.40	-80.80	-86.20	-86.80	-87.60	-78.50	-83.70	-82.80	-79.80	-87.30	-82.40	-85.30	-82.20	-83.30	-81.90	-82.50	-81.90	-84.10	-87.00	-85.00	-81.80	-87.80	-80.00	-86.60	-80.10	-85.80

Linearity (with respect an input level at lineup)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
-20 (dBr)	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01		
-40 (dBr)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01		
-60 (dBr)	-0.02	-0.02	-0.03	-0.03	-0.01	-0.03	-0.01	-0.03	-0.02	-0.03	-0.02	-0.03	-0.03	-0.04	-0.05	-0.08	-0.02	-0.02	-0.01	-0.02	-0.03	-0.03	-0.01	-0.01	-0.01	-0.03	-0.02	-0.01	0.00	-0.04	-0.01	-0.02	-0.04

Niose (with respect an input level at lineup)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	-89.90	-89.90	-89.40	-89.70	-90.10	-89.90	-89.70	-90.00	-89.90	-89.80	-89.80	-89.70	-89.30	-88.70	-89.60	-88.30	-89.40	-88.70	-89.40	-89.50	-89.80	-89.70	-89.90	-89.80	-89.90	-89.50	-89.70	-89.30	-89.70	-89.80	-89.90	-89.50

All measurements taken to a pre fader direct digital output.

DA5325 DAC Output card test results

Serial Number :- 120213

Line-up (with an input of -24dBfs @ 1KHz and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBu)	0.02	0.01	-0.03	-0.03	-0.02	-0.02	0.02	0.01	-0.07	-0.07	-0.01	-0.01	-0.01	-0.02	-0.13	-0.13	-0.01	0.00	-0.03	-0.02	-0.07	-0.05	0.02	0.01	0.00	-0.02	-0.07	-0.10	-0.08	-0.05	-0.07	-0.08

THD&N (with an input of -1dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0007	0.0007	0.0015	0.0016	0.0014	0.0014	0.0007	0.0006	0.0016	0.0015	0.0007	0.0014	0.0007	0.0016	0.0007	0.0007	0.0007	0.0006	0.0013	0.0007	0.0007	0.0007	0.0018	0.0017	0.0007	0.0007	0.0007	0.0017	0.0013	0.0015	0.0008	0.0006
1KHz (%)	0.0007	0.0006	0.0015	0.0016	0.0015	0.0013	0.0007	0.0006	0.0016	0.0015	0.0007	0.0013	0.0007	0.0016	0.0007	0.0006	0.0006	0.0006	0.0013	0.0006	0.0007	0.0006	0.0018	0.0017	0.0007	0.0006	0.0006	0.0016	0.0013	0.0015	0.0008	0.0006
5KHz (%)	0.0006	0.0005	0.0014	0.0015	0.0015	0.0013	0.0006	0.0005	0.0016	0.0015	0.0006	0.0014	0.0006	0.0015	0.0006	0.0006	0.0005	0.0005	0.0012	0.0005	0.0006	0.0005	0.0018	0.0016	0.0005	0.0005	0.0005	0.0017	0.0012	0.0015	0.0007	0.0005

THD&N (with an input of -20dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0022	0.0023	0.0022	0.0021	0.0022	0.0022	0.0022	0.0021	0.0022	0.0022	0.0022	0.0021	0.0022	0.0022	0.0022	0.0021	0.0022	0.0021	0.0023	0.0021	0.0023	0.0021	0.0023	0.0023	0.0023	0.0023	0.0023	0.0022	0.0023	0.0022	0.0024	0.0022
1KHz (%)	0.0021	0.0023	0.0022	0.0021	0.0022	0.0021	0.0021	0.0021	0.0022	0.0021	0.0021	0.0021	0.0022	0.0021	0.0023	0.0021	0.0022	0.0021	0.0022	0.0021	0.0022	0.0021	0.0023	0.0022	0.0022	0.0022	0.0022	0.0022	0.0023	0.0021	0.0023	0.0022
5KHz (%)	0.0021	0.0021	0.0020	0.0019	0.0020	0.0019	0.0020	0.0020	0.0020	0.0019	0.0020	0.0019	0.0020	0.0020	0.0020	0.0020	0.0021	0.0020	0.0020	0.0020	0.0019	0.0020	0.0019	0.0022	0.0020	0.0021	0.0020	0.0020	0.0021	0.0020	0.0021	0.0020

THD&N (with an input of -40dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.2112	0.2302	0.2068	0.2012	0.2099	0.2143	0.2106	0.2059	0.2113	0.2067	0.2050	0.2040	0.2124	0.2087	0.2116	0.2079	0.2155	0.2044	0.2143	0.2069	0.2079	0.2078	0.2109	0.2141	0.2090	0.2177	0.2156	0.2167	0.2141	0.2114	0.2233	0.2172
1KHz (%)	0.2081	0.2171	0.1990	0.2026	0.2057	0.2061	0.2008	0.2046	0.2063	0.2064	0.2070	0.2011	0.2074	0.2021	0.2057	0.2073	0.2090	0.2004	0.2093	0.2075	0.2107	0.2084	0.2141	0.2056	0.2093	0.2138	0.2116	0.2240	0.2082	0.2014	0.2162	0.2131
5KHz (%)	0.1903	0.2042	0.1886	0.1841	0.1901	0.1849	0.1888	0.1836	0.1917	0.1885	0.1918	0.1891	0.1916	0.1890	0.1901	0.1916	0.1937	0.1832	0.1947	0.1885	0.1930	0.1850	0.1948	0.1938	0.1941	0.1939	0.1909	0.1965	0.1962	0.1839	0.1974	0.1980

Frequency response (with respect to the level taken at line-up)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5KHz (dBr)	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
10KHz (dBr)	0.11	0.11	0.11	0.11	0.11	0.12	0.11	0.11	0.12	0.12	0.12	0.12	0.11	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.11	0.11	0.12	0.11	0.11	0.12	0.11	0.12	0.11	0.11	0.11	0.12
15KHz (dBr)	0.18	0.18	0.17	0.18	0.17	0.21	0.18	0.18	0.19	0.19	0.19	0.20	0.17	0.19	0.18	0.17	0.19	0.19	0.19	0.19	0.18	0.17	0.19	0.18	0.16	0.20	0.18	0.20	0.18	0.17	0.17	0.19
20KHz (dBr)	0.12	0.10	0.09	0.11	0.10	0.16	0.11	0.11	0.14	0.14	0.13	0.14	0.09	0.12	0.12	0.09	0.12	0.13	0.15	0.13	0.12	0.10	0.14	0.11	0.08	0.16	0.12	0.14	0.12	0.10	0.09	0.13

Output balance (taken with an input of -24dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-58.60	-57.60	-69.90	-64.00	-69.40	-63.20	-59.70	-65.10	-58.20	-59.60	-60.80	-61.50	-62.90	-57.00	-57.20	-56.70	-61.70	-55.10	-63.50	-66.00	-65.00	-59.00	-70.10	-63.20	-69.10	-59.00	-65.70	-52.90	-57.50	-56.40	-68.20	-67.30
1KHz (dBr)	-57.50	-57.00	-69.10	-65.10	-67.40	-64.50	-60.80	-64.30	-57.20	-58.60	-62.40	-60.10	-64.00	-57.80	-57.80	-57.50	-61.20	-54.70	-58.50	-65.20	-65.30	-59.80	-69.80	-63.30	-68.30	-58.00	-66.30	-53.20	-58.10	-57.00	-68.20	-68.60
5KHz (dBr)	-57.70	-56.50	-63.10	-63.60	-61.10	-61.90	-59.00	-56.30	-54.70	-59.00	-62.60	-54.80	-60.90	-57.70	-58.60	-57.10	-62.20	-54.70	-46.10	-62.90	-66.40	-60.60	-61.00	-58.00	-59.00	-53.30	-59.80	-53.10	-55.80	-57.40	-63.80	-69.60

Noise (unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	-85.50	-84.50	-85.70	-85.70	-85.60	-85.40	-85.60	-85.50	-85.40	-85.30	-85.60	-85.30	-85.60	-85.40	-85.60	-85.30	-85.50	-85.40	-84.90	-85.30	-85.50	-85.70	-85.50	-85.40	-85.40	-85.50	-85.40	-84.90	-85.30	-85.50	-85.20	-84.80

All measurements are taken from a digital input to pre fader direct outputs. THD&N, noise and output balance measurements taken with 22Hz - 22KHz filters in circuit.

DA5325 DAC Output card test results

Serial Number :- 120394

Line-up (with an input of -24dBfs @ 1KHz and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBu)	-0.04	-0.04	-0.06	-0.06	-0.02	0.00	-0.04	-0.02	-0.03	-0.01	0.01	-0.02	-0.01	0.00	-0.02	0.00	0.01	0.00	-0.05	-0.06	0.04	0.03	-0.02	0.00	-0.05	-0.06	-0.02	-0.02	-0.02	-0.02	-0.03	-0.04

THD&N (with an input of -1dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0006	0.0006	0.0014	0.0006	0.0006	0.0014	0.0006	0.0015	0.0016	0.0014	0.0014	0.0006	0.0006	0.0006	0.0015	0.0006	0.0015	0.0015	0.0007	0.0014	0.0006	0.0015	0.0014	0.0016	0.0006	0.0006	0.0007	0.0006	0.0006	0.0006	0.0007	0.0015
1KHz (%)	0.0006	0.0006	0.0015	0.0005	0.0007	0.0013	0.0006	0.0015	0.0016	0.0014	0.0014	0.0005	0.0006	0.0005	0.0014	0.0006	0.0015	0.0014	0.0007	0.0014	0.0006	0.0015	0.0014	0.0016	0.0006	0.0006	0.0007	0.0005	0.0006	0.0006	0.0007	0.0015
5KHz (%)	0.0006	0.0005	0.0015	0.0005	0.0006	0.0013	0.0005	0.0015	0.0016	0.0014	0.0015	0.0005	0.0005	0.0005	0.0014	0.0005	0.0016	0.0014	0.0007	0.0014	0.0005	0.0015	0.0013	0.0016	0.0006	0.0005	0.0006	0.0005	0.0005	0.0005	0.0006	0.0015

THD&N (with an input of -20dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.0030	0.0022	0.0022	0.0021	0.0023	0.0021	0.0022	0.0021	0.0028	0.0021	0.0023	0.0022	0.0023	0.0022	0.0024	0.0021	0.0022	0.0022	0.0023	0.0022	0.0022	0.0022	0.0023	0.0023	0.0023	0.0022	0.0023	0.0022	0.0024	0.0021	0.0024	0.0024
1KHz (%)	0.0030	0.0021	0.0022	0.0021	0.0022	0.0021	0.0022	0.0021	0.0026	0.0022	0.0023	0.0021	0.0023	0.0021	0.0024	0.0021	0.0023	0.0022	0.0022	0.0021	0.0022	0.0021	0.0023	0.0023	0.0023	0.0022	0.0023	0.0021	0.0023	0.0021	0.0023	0.0023
5KHz (%)	0.0023	0.0018	0.0021	0.0019	0.0020	0.0019	0.0021	0.0020	0.0025	0.0020	0.0021	0.0019	0.0020	0.0020	0.0022	0.0020	0.0020	0.0019	0.0021	0.0019	0.0020	0.0020	0.0021	0.0021	0.0021	0.0020	0.0021	0.0019	0.0021	0.0019	0.0022	0.0021

THD&N (with an input of -40dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (%)	0.2673	0.2039	0.2193	0.2058	0.2135	0.2072	0.2153	0.2124	0.2714	0.2077	0.2146	0.2059	0.2133	0.2178	0.2282	0.2110	0.2096	0.2080	0.2154	0.2056	0.2072	0.2091	0.2185	0.2169	0.2203	0.2228	0.2141	0.2137	0.2188	0.2160	0.2259	0.2224
1KHz (%)	0.2075	0.2113	0.2096	0.2111	0.2120	0.1993	0.2132	0.2046	0.2632	0.2061	0.2098	0.2117	0.2153	0.2109	0.2207	0.2101	0.2100	0.2056	0.2096	0.2060	0.2039	0.2047	0.2136	0.2125	0.2130	0.2097	0.2147	0.2026	0.2137	0.2077	0.2179	0.2205
5KHz (%)	0.1923	0.1893	0.1944	0.1902	0.1933	0.1886	0.2024	0.1948	0.2464	0.1883	0.1988	0.1920	0.2002	0.1897	0.2084	0.1888	0.1895	0.1834	0.1944	0.1929	0.1956	0.1939	0.1999	0.1970	0.1963	0.1902	0.1962	0.1918	0.1990	0.1936	0.2096	0.2017

Frequency response (with respect to the level taken at line-up)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5KHz (dBr)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	
10KHz (dBr)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.11	0.10	0.10	0.11	0.11	0.10	0.10	0.11	0.12	0.10	0.11	0.11	
15KHz (dBr)	0.18	0.19	0.19	0.19	0.17	0.17	0.19	0.18	0.16	0.16	0.18	0.16	0.17	0.17	0.17	0.18	0.18	0.17	0.17	0.18	0.17	0.17	0.19	0.18	0.17	0.16	0.19	0.21	0.17	0.18	0.18	
20KHz (dBr)	0.12	0.14	0.13	0.13	0.11	0.09	0.14	0.11	0.09	0.08	0.12	0.08	0.10	0.10	0.09	0.12	0.11	0.09	0.10	0.12	0.10	0.09	0.13	0.12	0.10	0.09	0.14	0.16	0.09	0.11	0.11	

Output balance (taken with an input of -24dBfs and unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
100Hz (dBr)	-61.70	-68.20	-55.50	-55.50	-64.90	-58.60	-59.10	-66.10	-69.70	-62.50	-63.40	-57.40	-59.40	-59.90	-64.60	-59.80	-60.80	-60.30	-68.50	-67.80	-60.00	-68.70	-60.10	-70.10	-61.50	-54.20	-66.60	-65.40	-69.70	-59.90	-65.50	-58.30
1KHz (dBr)	-62.60	-67.10	-54.60	-54.90	-66.30	-59.10	-57.60	-64.10	-65.90	-60.80	-61.50	-58.00	-60.60	-61.00	-63.40	-61.00	-61.10	-60.80	-66.20	-67.30	-60.50	-69.20	-60.50	-69.70	-60.20	-53.90	-68.60	-65.10	-69.10	-58.90	-66.90	-58.50
5KHz (dBr)	-59.10	-64.60	-53.40	-54.40	-64.80	-59.30	-56.00	-61.40	-56.00	-58.90	-61.40	-56.50	-60.10	-60.90	-60.50	-62.10	-58.70	-60.80	-58.60	-65.90	-61.10	-59.40	-60.00	-64.10	-54.80	-53.50	-62.40	-63.50	-68.70	-55.30	-65.20	-54.40

Noise (unity gain)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(dBr)	-85.60	-85.40	-85.40	-85.30	-85.40	-85.40	-85.50	-85.40	-83.40	-85.60	-85.30	-85.50	-85.40	-85.30	-84.80	-85.50	-85.40	-85.50	-85.30	-85.60	-85.40	-85.50	-85.30	-84.90	-85.50	-85.20	-85.20	-85.20	-85.40	-85.30	-85.00	-85.10

All measurements are taken from a digital input to pre fader direct outputs. THD&N, noise and output balance measurements taken with 22Hz - 22KHz filters in circuit.

Line-up (with an input of 1KHz @ 0dBfs and unity gain)

Line-up (with an input of 1KHz @ 0dBfs and unity gain)

THD&N (with an input of -1dBfs and unity gain)THD&N (with an input of -20dBfs and unity gain)THD&N (with an input of -60dBfs and unity gain)Frequency response (with respect to the level taken at line-up)

Linearity (with respect to the level taken at line-up)

All measurements taken to a prefader direct digital output. All inputs and outputs used for these tests are on the same card.