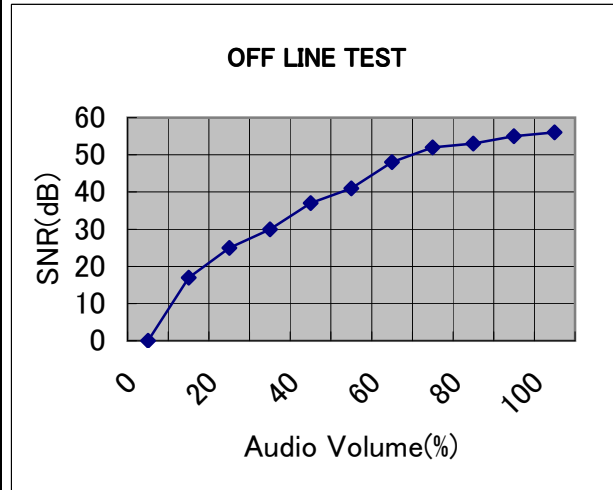# A EasyPAL Audio level vs. SNR characteristics

Dec/5/2008 Ted, JA2GZZ

| PC#1 | PC#2 | | | |
Audio output Volume (%)	SNR Max (dB)	Missed Seg (P.C.S.)	Sync Green	Received Result
0	0	–	–	NG
10	17	0	MSC	Completed
20	25	0	MSC	Completed
30	30	0	MSC	Completed
40	37	0	MSC	Completed
50	41	0	MSC	Completed
60	48	0	MSC	Completed
70	52	0	MSC	Completed
80	53	0	MSC	Completed
90	55	0	MSC	Completed
100	56	0	MSC	Completed

OFF LINE TEST

100% as maximum audio output level (Windows Vista with Realtek HD audio sound R209)

BLOCK DAIAGRAM

PC#1 Windows Vista (HD Sound)   PC#2 Windows XP (AC97 Sound)

(SNR)

| Realtek HD Audio Adjusted Volume | EasyPAL XMIT | Line Out | Line In | EasyPAL RECV |

* Always adjusted sweet RX level

Realtek HD Audio output   56dB   100

17dB

Worst SNR   Best SNR
(at: EasyPAL=XMIT and HamSphere=XMIT)

PC Beep   100

CD オーディオ   0

MIC
マイク   Operate MIC ON/OFF Here ↓   100

Front Pink In   0

Must be "Front" level as 100

Stereo Mixer
ステレオ ミキサー   23

Allow adjustment for HamSphre Input level
(at: EasyPAL=XMIT and HamSphere=XMIT)