

## Long Term Lip Sync Test with Live Encoder

Transport Stream 23 Settings used - 10.3 Mbps 720p59 MPEG Audio 4 channels

X/Y values represents "Audio Pair 1 Lip Sync" / "Audio Pair 2 Lip Sync" measurements in milliseconds.

+ Value number indicates audio lags video by that amount

- Value number indicates the audio leads the video by that amount

Source Encoder	Decoder Vendor	19-Jun 08:40	19-Jun 09:40	19-Jun 10:40	19-Jun 12:14	19-Jun 13:30	19-Jun 14:30	19-Jun 14:30
NTT	ComtechTV	1/1	1/1	1/1	1/2	1/1	1/2	1/2
NTT	Evertz (2)	548/866	548/866	548/866	548/866	548/866	548/866	548/866
NTT	Fujitsu	2/2	2/2	2/2	2/2	2/2	2/2	2/2
NTT	IDC (1)	60	60	60	60	60	60	60
NTT	NTT	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NTT	Cisco	5/1	0/4	8/3	11/6	0/0	-3/1	-3/1
NTT	Sencore	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NTT	Tandberg	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NTT	Thomson	3/3	0/4	1/5	0/4	2/6	4/4	4/4

Note 1 IDC's HDSDI embedded audio output is 2 channel audio only. Changing to second audio pair w

Note 2 Evertz advises firmware update issued in June 2009 to address this issue.

ould retune the decoder. Single pair results only.