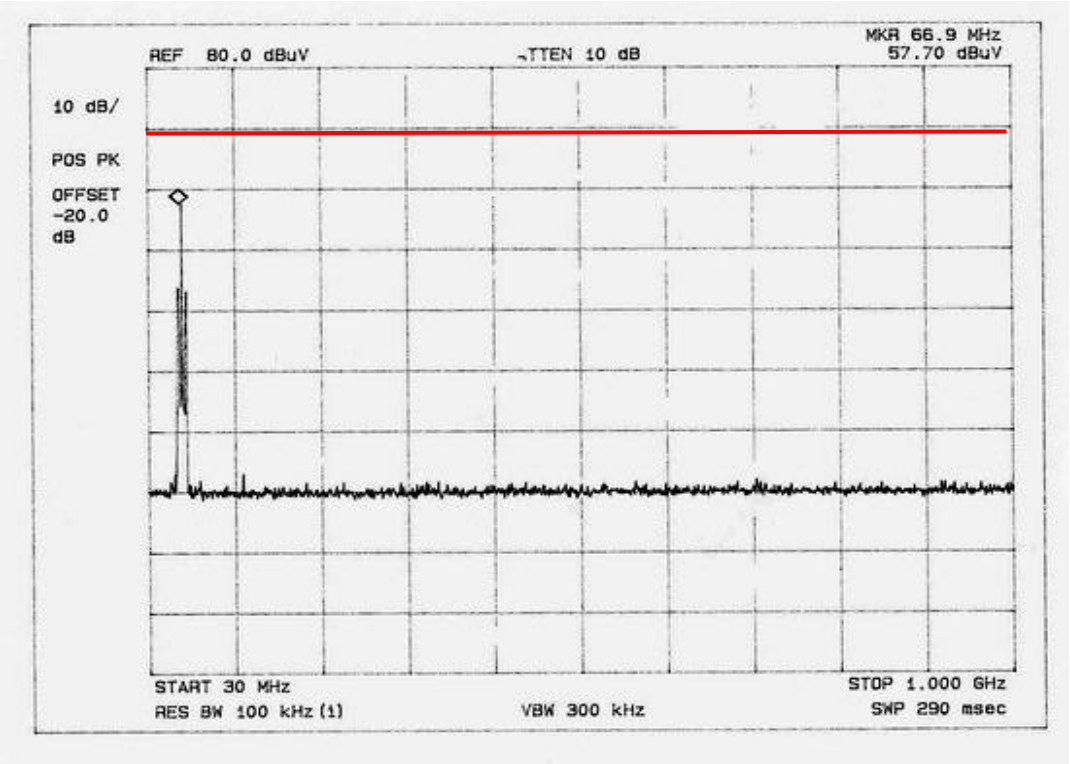
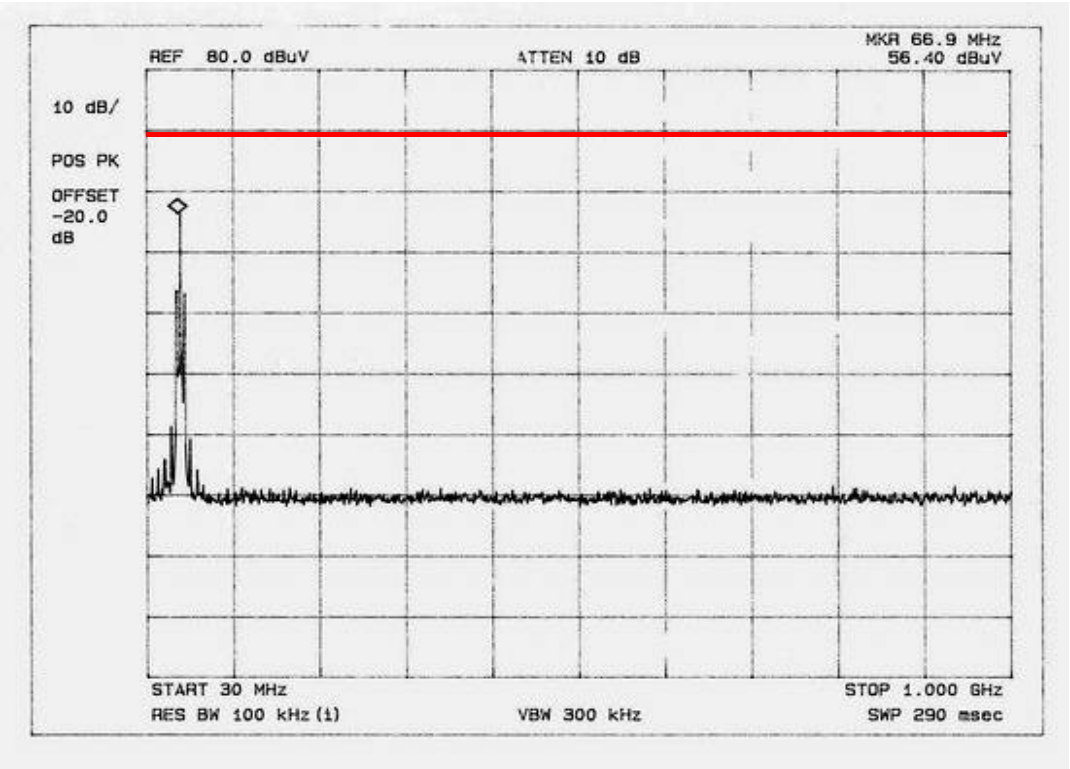
Output Terminal Conducted Spurious Emission

Tuner: LGTMI-US2-S



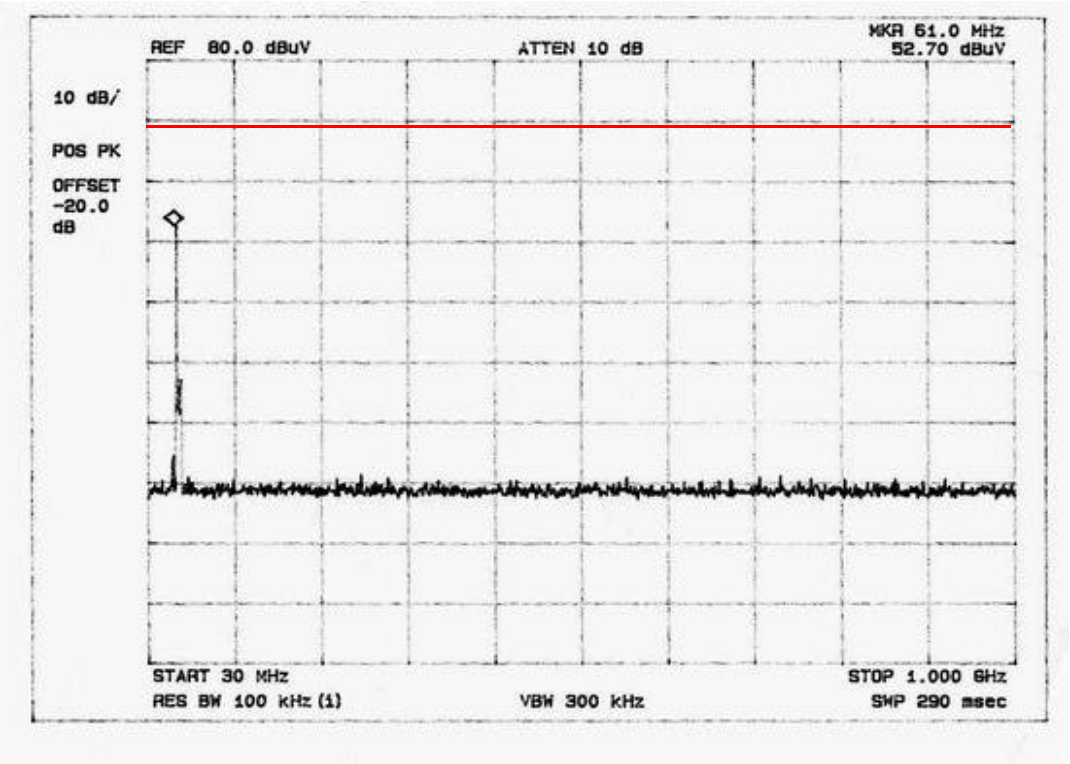
CH4 Playback



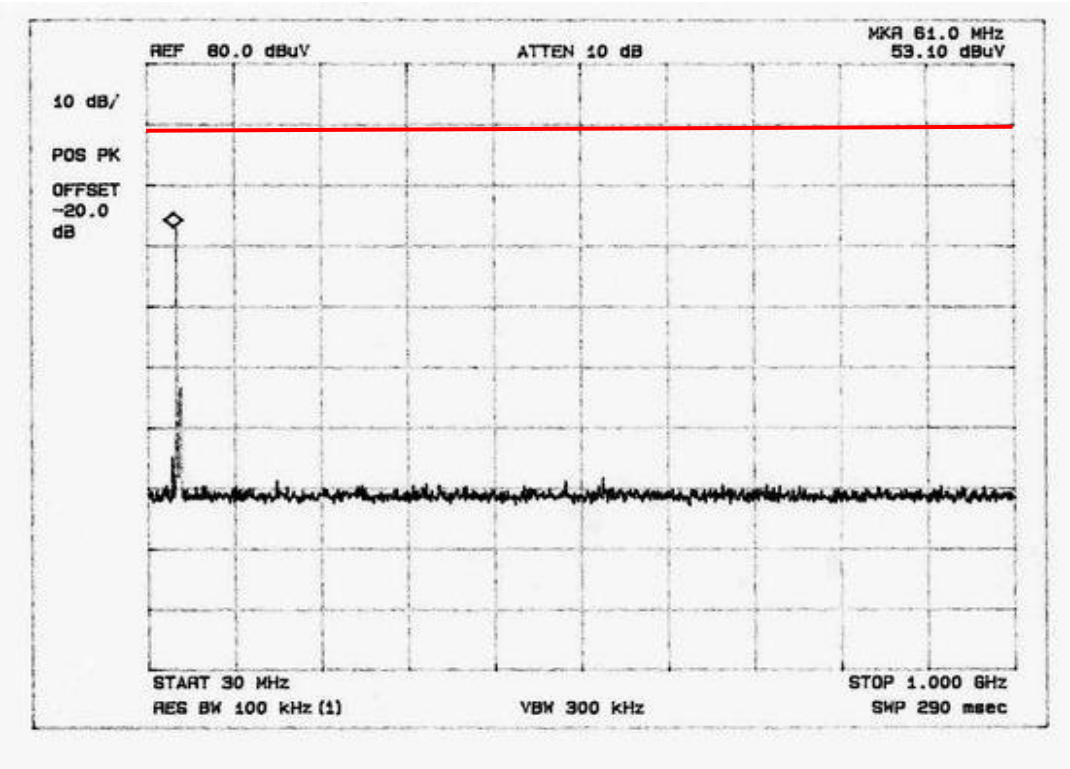
CH4 Record

Output Terminal Conducted Spurious Emission

Tuner: ALTMI-US3-S



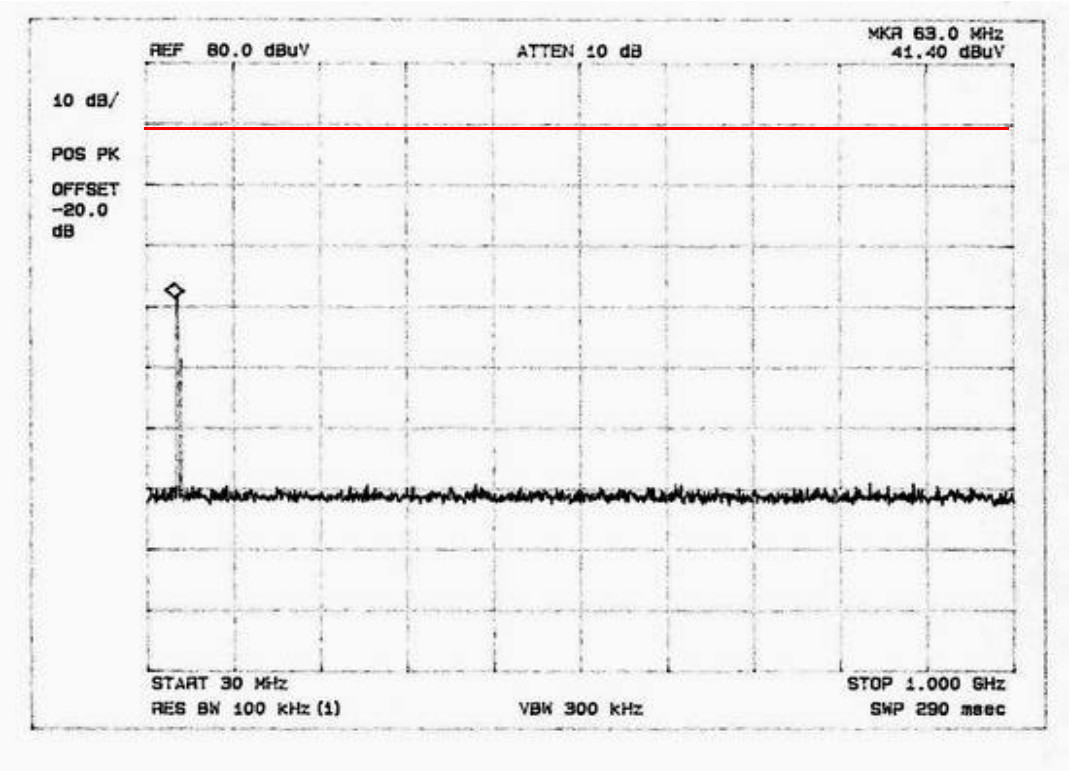
CH3 Playback



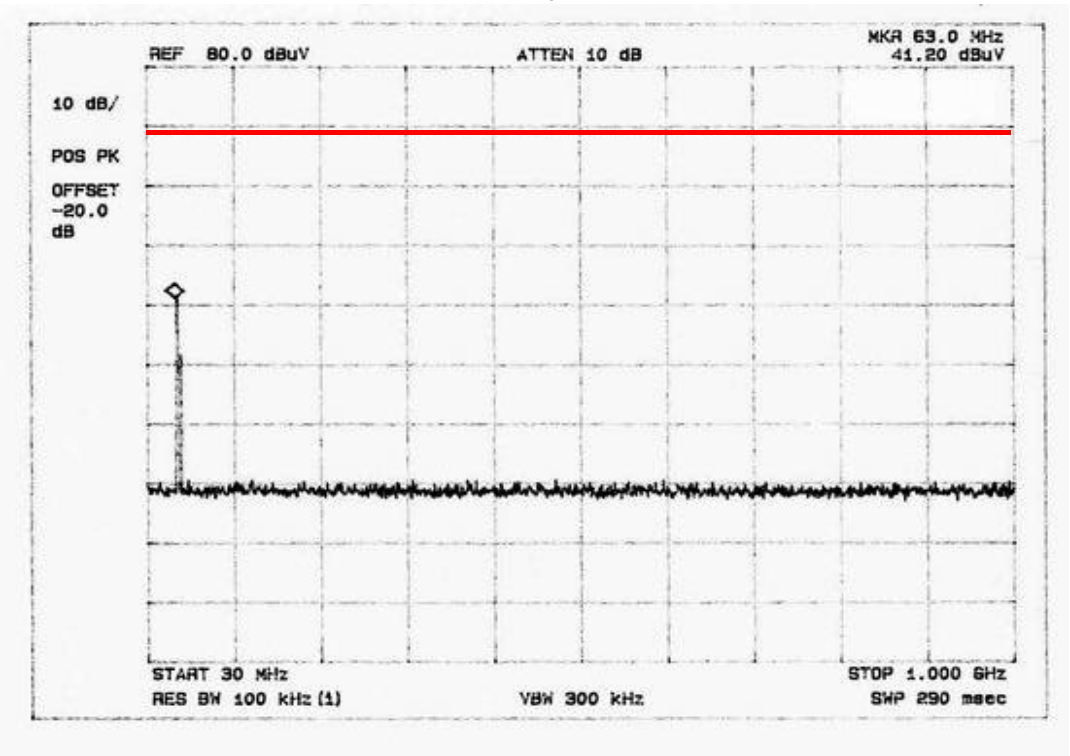
CH3 Record

Output Terminal Conducted Spurious Emission

Tuner: ALTMI-US3-S



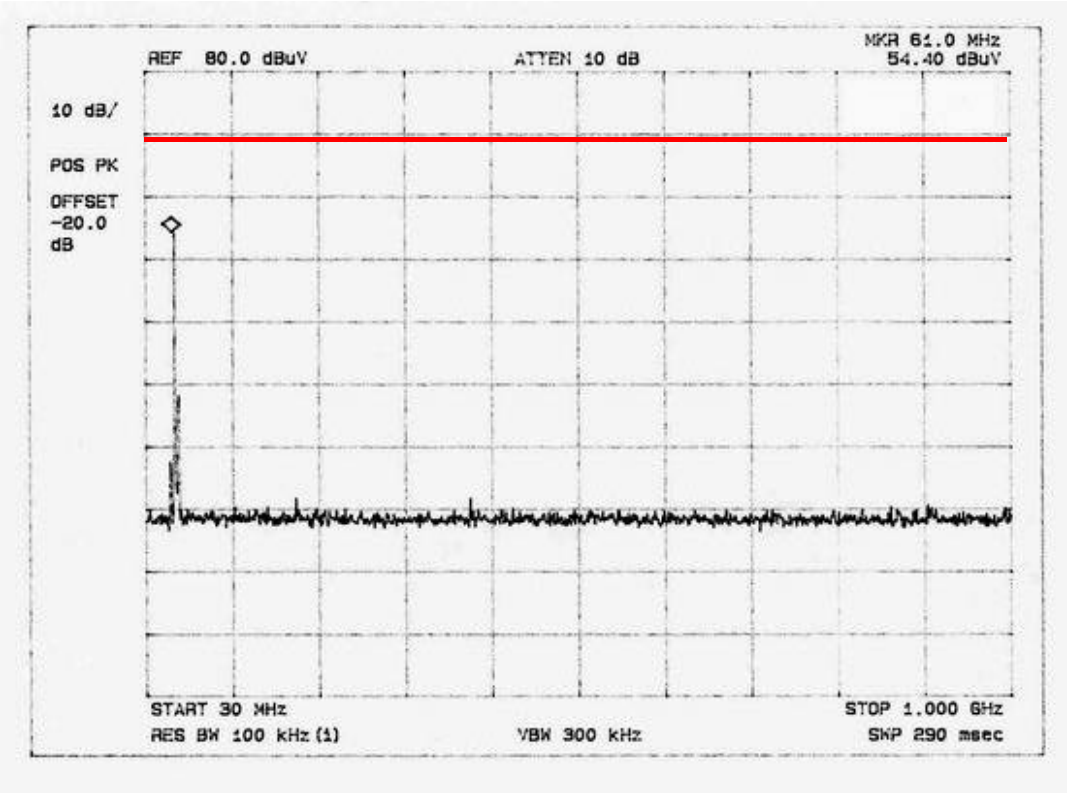
CH4 Playback



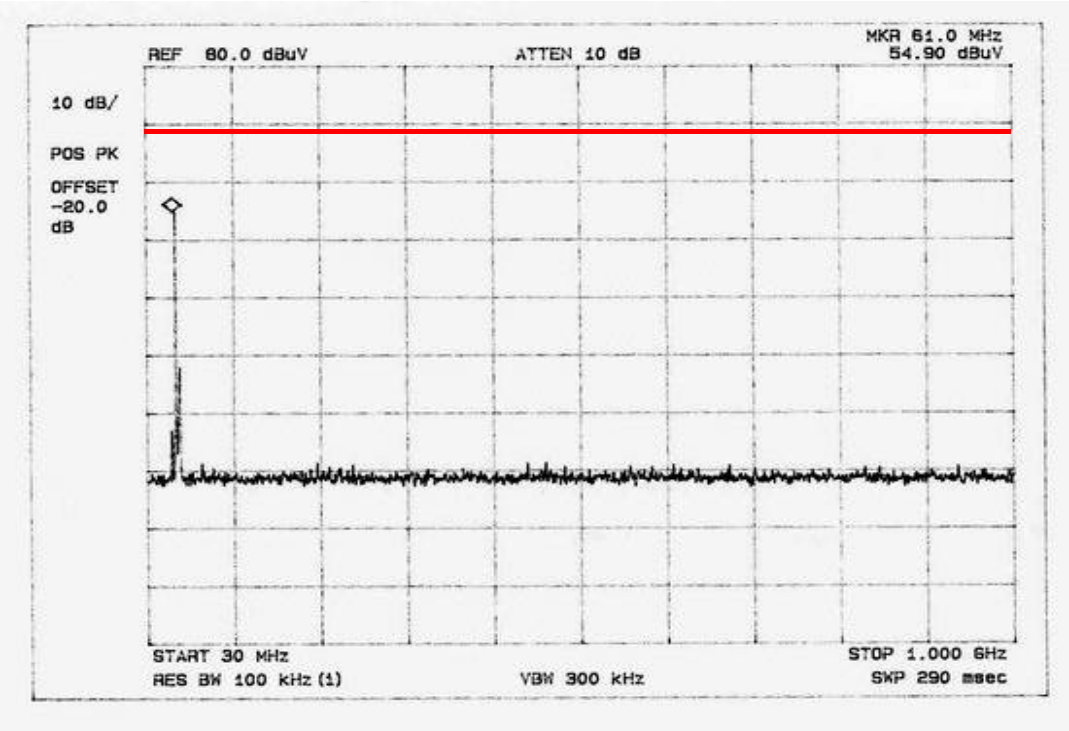
CH4 Record

Output Terminal Conducted Spurious Emission

Tuner: LGTMI-US4-S



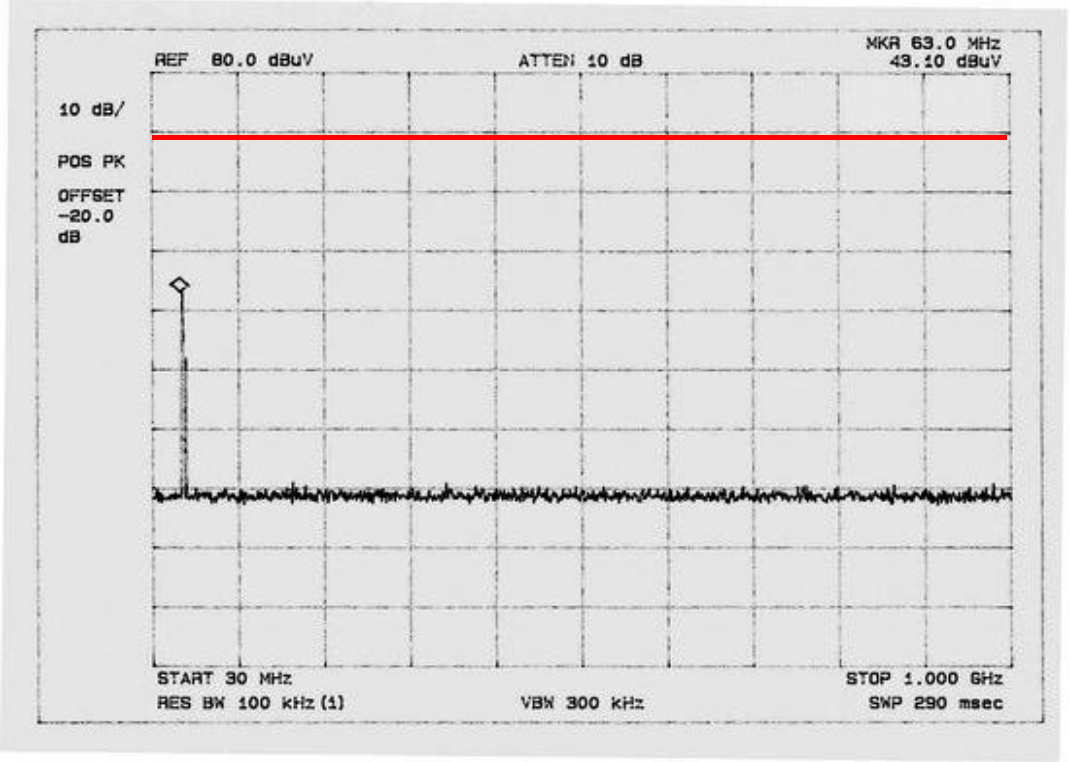
CH3 Playback



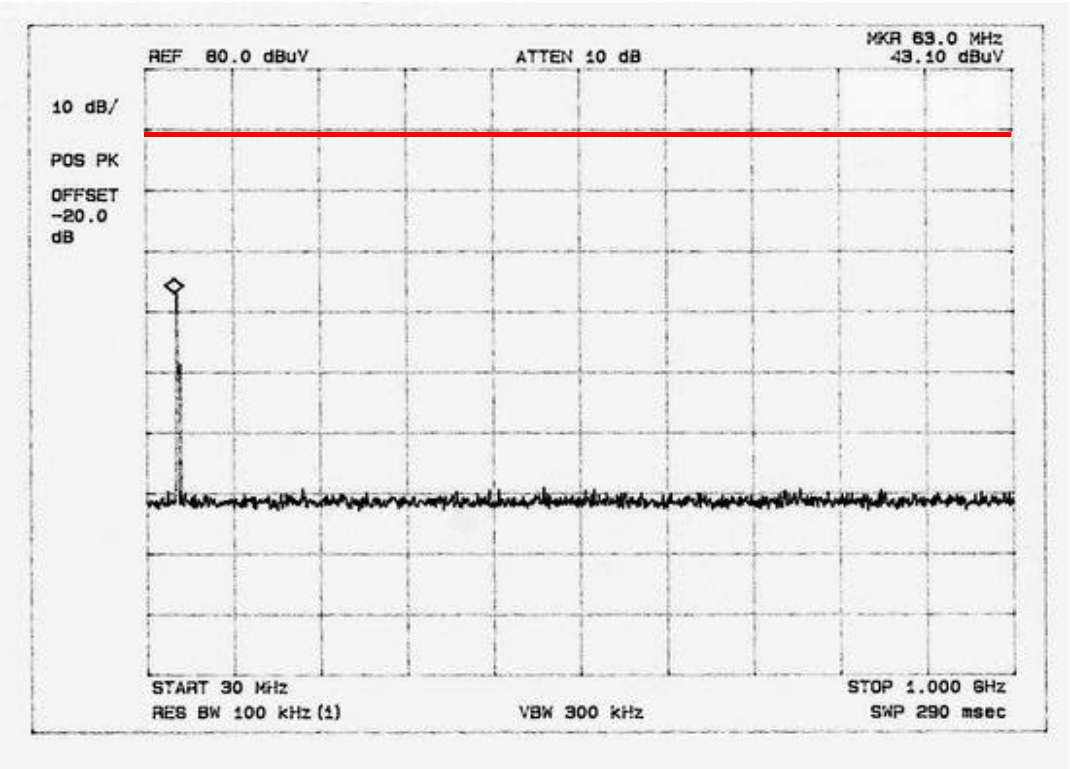
CH3 Record

Output Terminal Conducted Spurious Emission

Tuner: LGTMI-US4-S



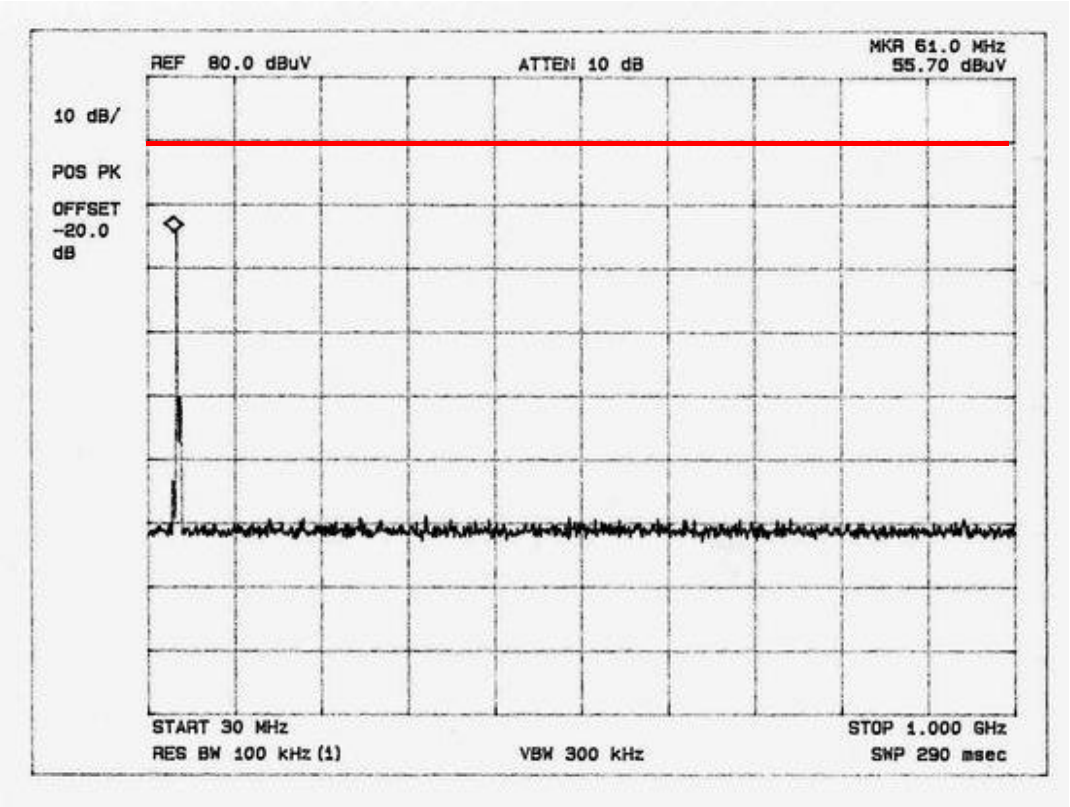
CH4 Playback



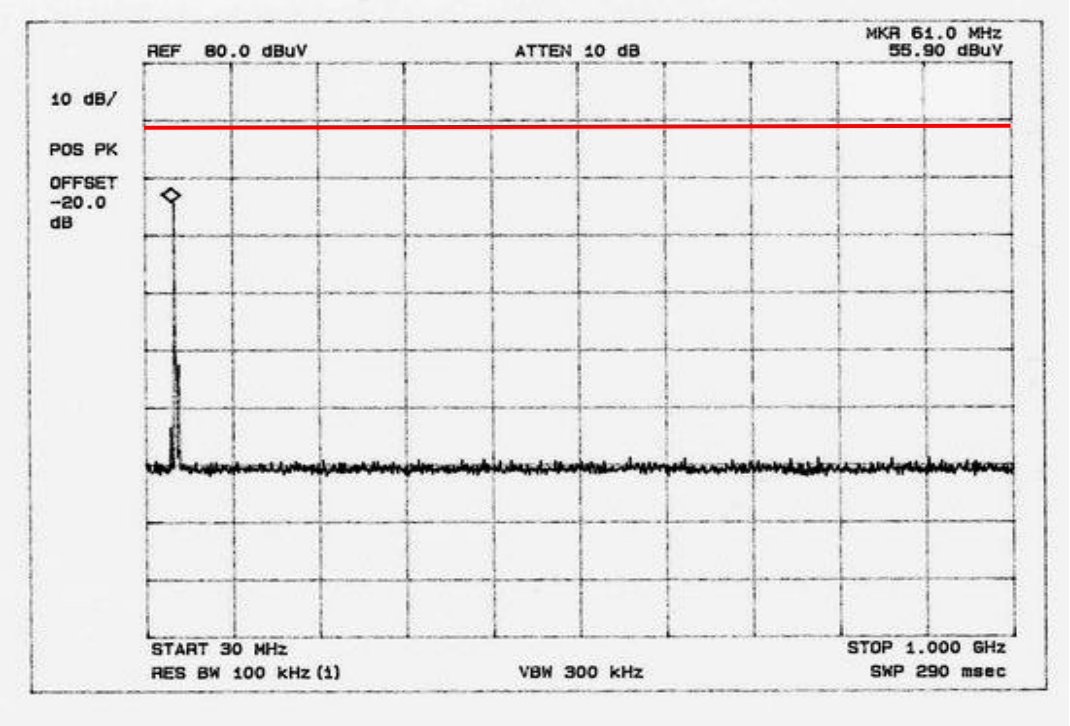
CH4 Record

Output Terminal Conducted Spurious Emission

Tuner: SSTMI-US3-S



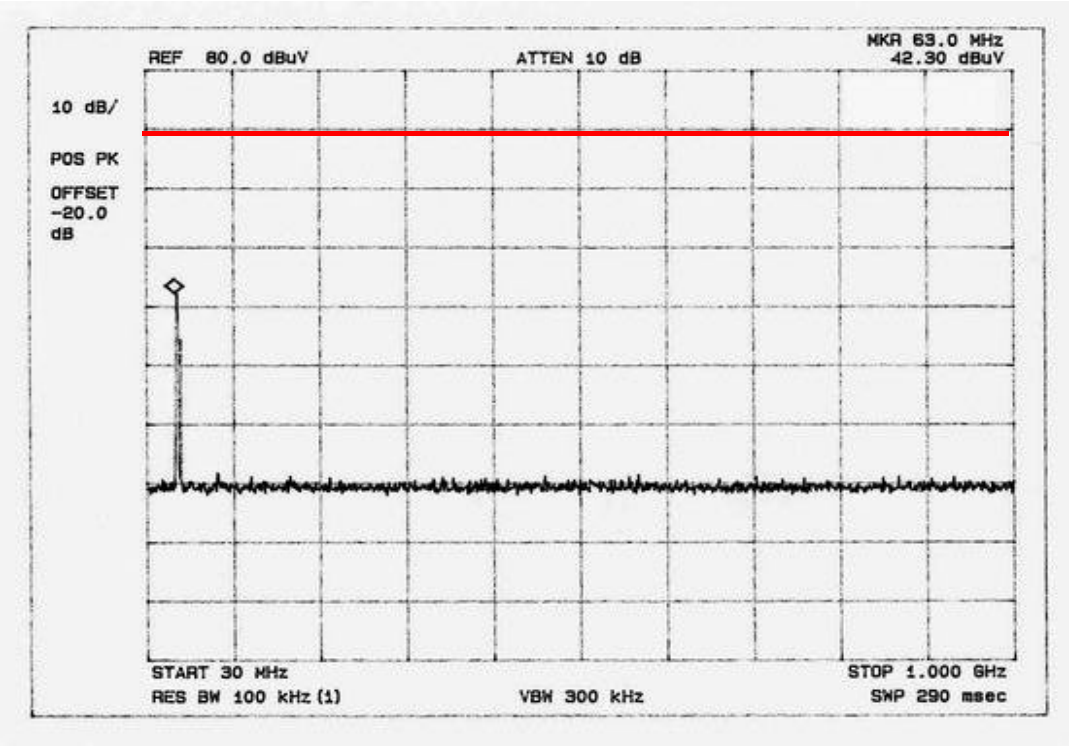
CH3 Playback



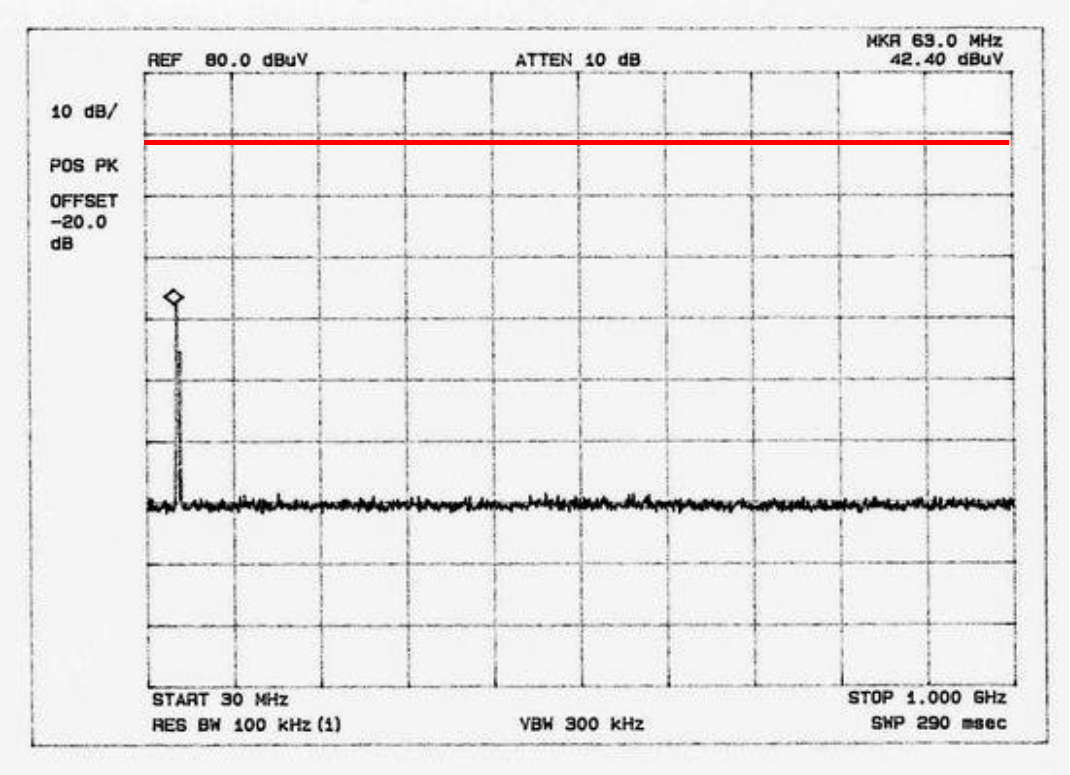
CH3 Record

Output Terminal Conducted Spurious Emission

Tuner: SSTMI-US3-S



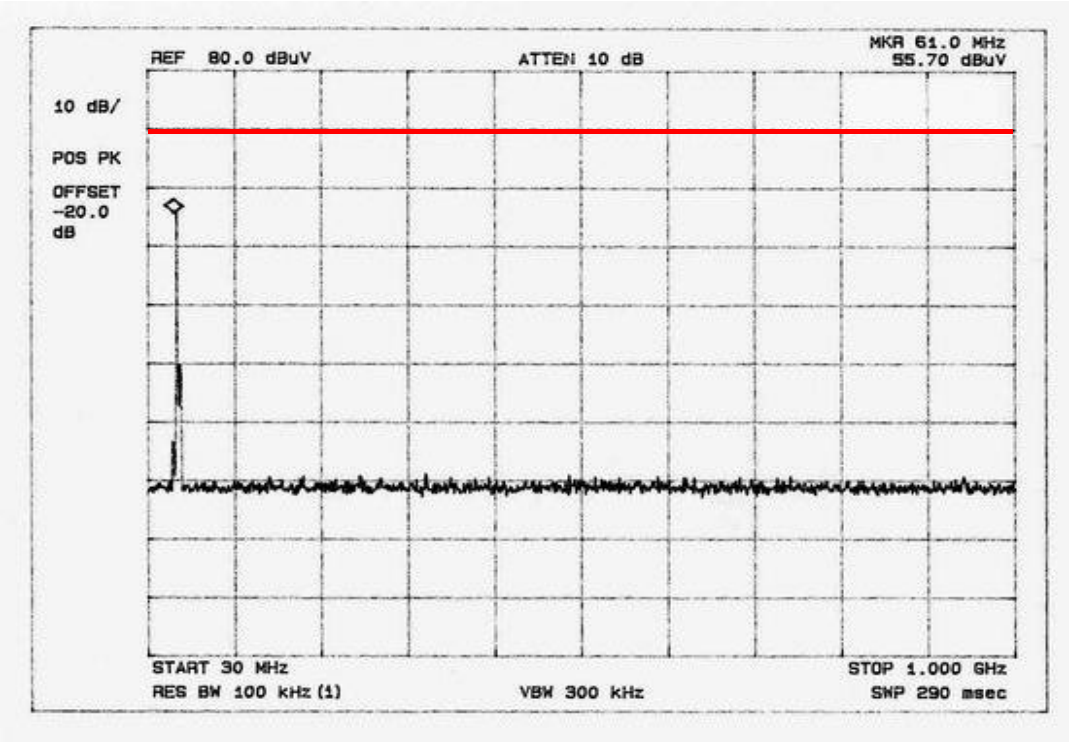
CH4 Playback



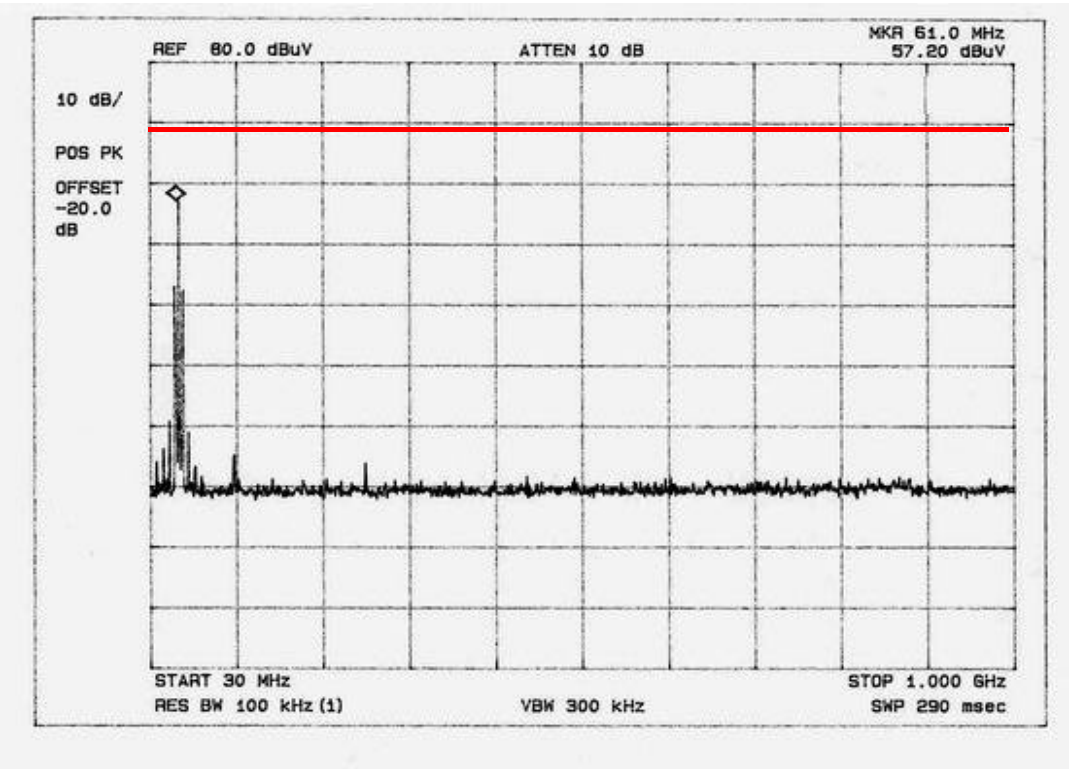
CH4 Record

Output Terminal Conducted Spurious Emission

Tuner: SATMI-US4-S



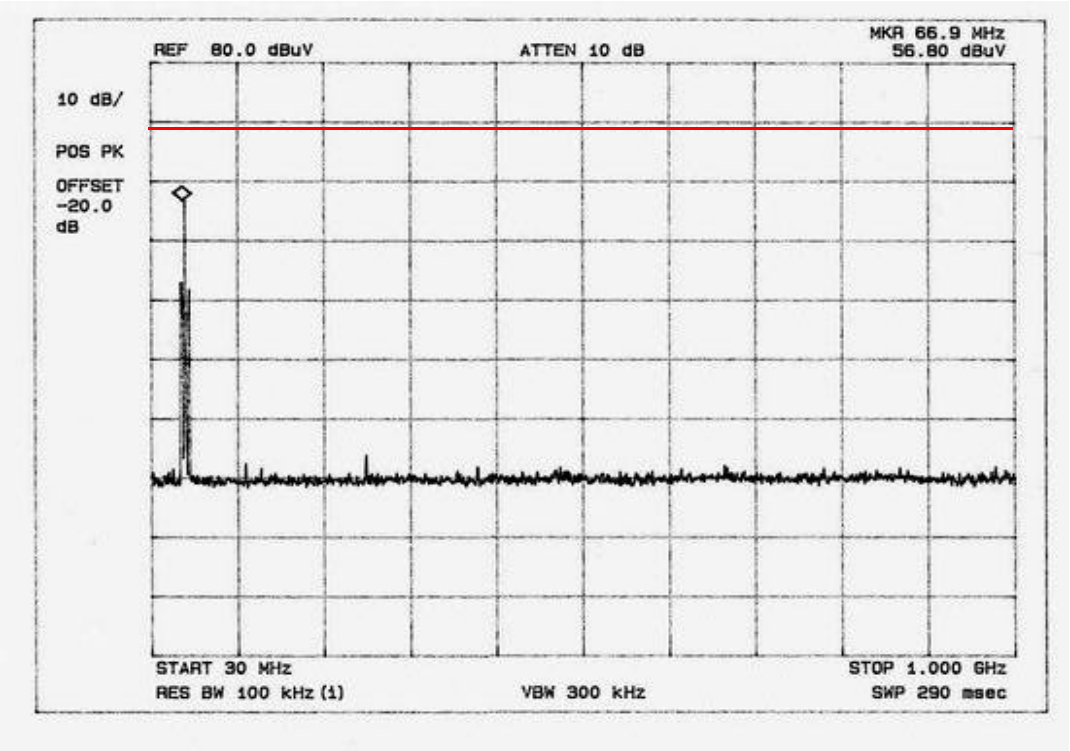
CH3 Playback



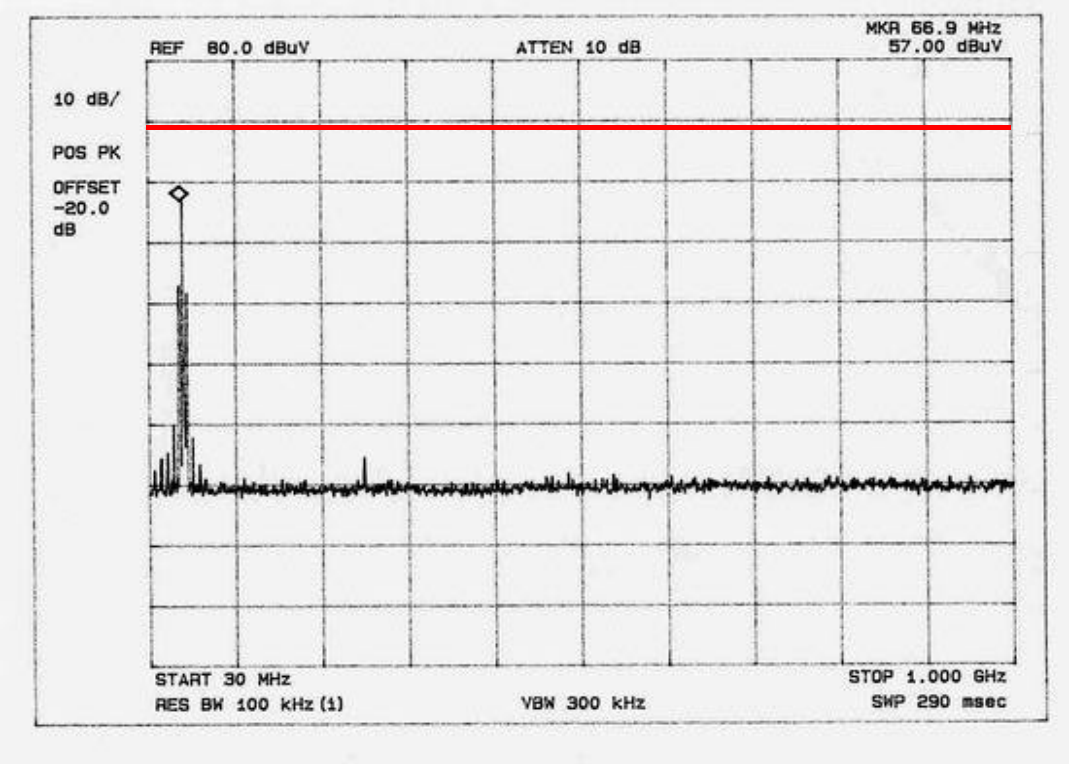
CH3 Record

Output Terminal Conducted Spurious Emission

Tuner: SATMI-US4-S



CH4 Playback



CH4 Record

TEST CONDITIONS AND DATA

Transfer Switch Isolation Measurement

◆ Test Equipment Used

Model Name	Manufacturer	Description	Next Cal. Date
8566B	Hewlett Packard	Spectrum Analyzer	Jul. 13, 2002
85685A	Hewlett Packard	RF preselector	Jul. 13, 2002
RAM	Rohde & Schwarz	Matching Pad	Sep. 21, 2002
PM5515	Philips	Pattern Generator	Jun. 20, 2002

◆ External Peripherals

Device Description	Model Name	Manufacture	FCC Compliance Information
TV Receiver	F19430	Daewoo	Verification

◆ Test Program Playback and record mode

◆ Test Area Compact Chamber

Note : Transfer switch isolation measurements were made on the Channel 3 and 4 video output frequencies of 61.25 and 67.25 MHz and both position of the transfer switch.

Limit calculation(Sec 15.115 (c)(1)(ii))

$0.346 \times 75^{1/2} = 2.996uV = 9.53dBuV = -97.46dBm$

The test were performed with color bar as VITS. The VITS signals, 1V and 5V peak-to-peak, were used for channel 3 and channel 4 with alternate. The above test program were employed for each channel.

Find the test data in following page(s) 91 to 102.

Transfer Switch Isolation Measurement

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.62	9.53	Play	-3.91
3	61.25	5.60	9.53	Record	-3.93
4	67.25	6.01	9.53	Play	-3.52
4	67.25	5.97	9.53	Record	-3.56

Transfer Switch Tabulated Data with Tuner
(LG Innotek Co., Ltd. Model: **LGTMI-US2-S**)

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.54	9.53	Play	-3.99
3	61.25	5.51	9.53	Record	-4.02
4	67.25	6.12	9.53	Play	-3.41
4	67.25	6.05	9.53	Record	-3.48

Transfer Switch Tabulated Data with Tuner
(ALPS Electric Model: **ALTMI-US3-S**)

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.64	9.53	Play	-3.89
3	61.25	5.59	9.53	Record	-3.94
4	67.25	5.92	9.53	Play	-3.94
4	67.25	5.93	9.53	Record	-3.60

Transfer Switch Tabulated Data with Tuner
(LG Innotek Co., Ltd. Model: **LGTMI-US4-S**)

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.84	9.53	Play	-3.69
3	61.25	5.80	9.53	Record	-3.73
4	67.25	5.69	9.53	Play	-3.84
4	67.25	5.64	9.53	Record	-3.89

Transfer Switch Tabulated Data with Tuner
(Samsung Electronic Co., Ltd. Model: **SSTMI-US3-S**)

Transfer Switch Isolation Measurement

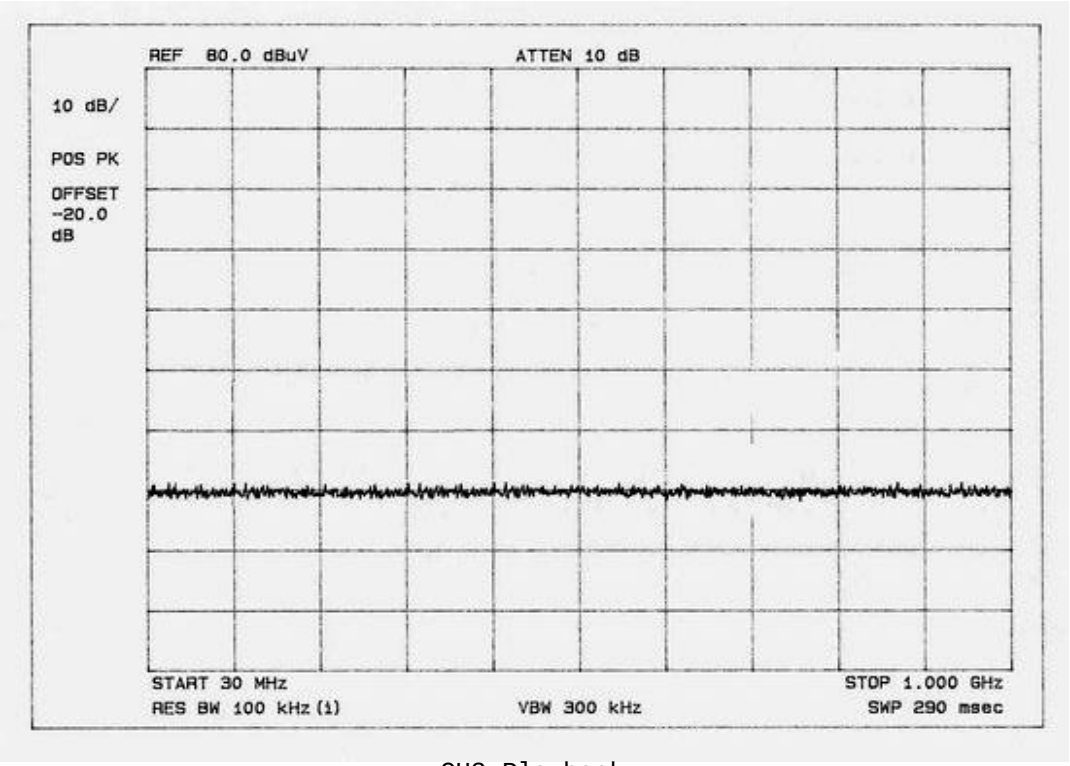
TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.96	9.53	Play	-3.57
3	61.25	5.92	9.53	Record	-3.61
4	67.25	5.80	9.53	Play	-3.73
4	67.25	5.76	9.53	Record	-3.77

Transfer Switch Tabulated Data with Tuner

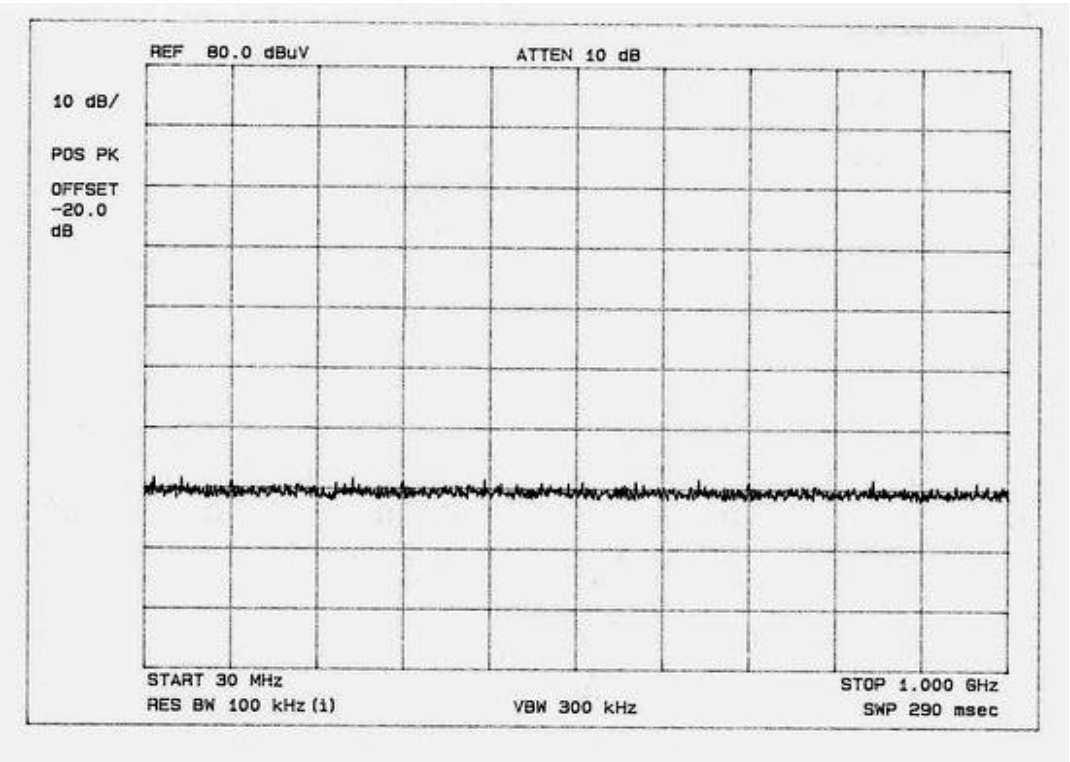
(Sanyo Electronic Co., Ltd. Model: **SATMI-US4-S**)

Transfer Switch Isolation Measurement

Tuner: LGTMI-US2-S



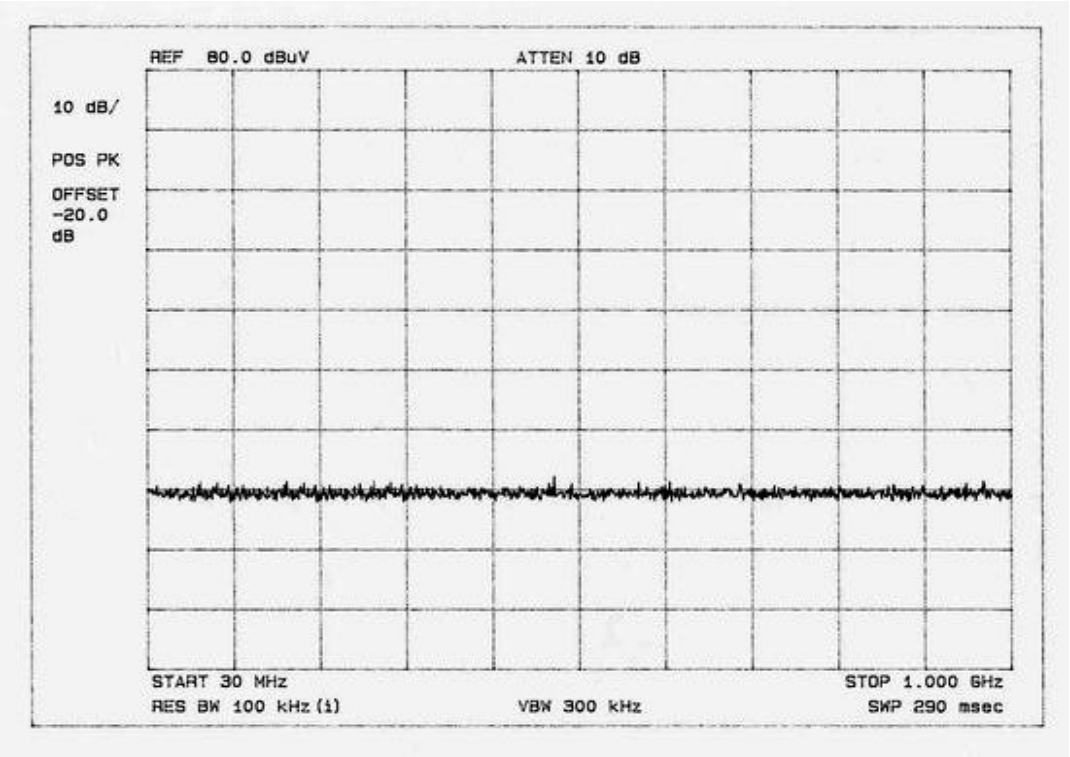
CH3 Playback



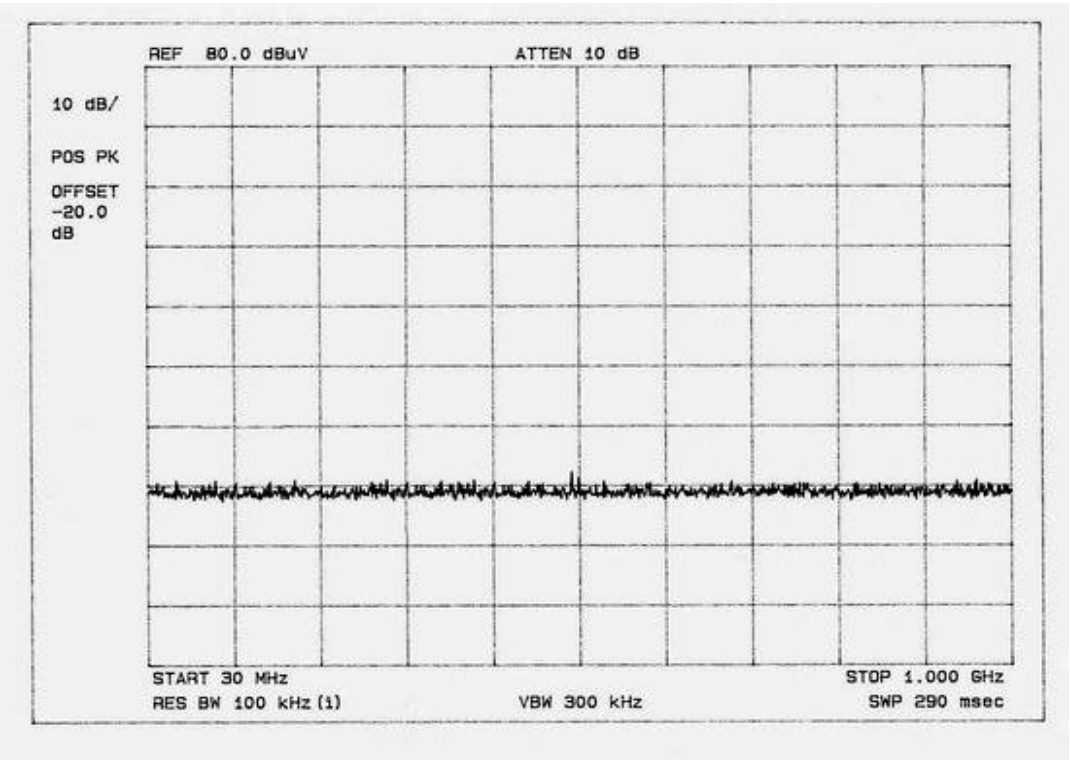
CH3 Record

Transfer Switch Isolation Measurement

Tuner: LGTMI-US2-S



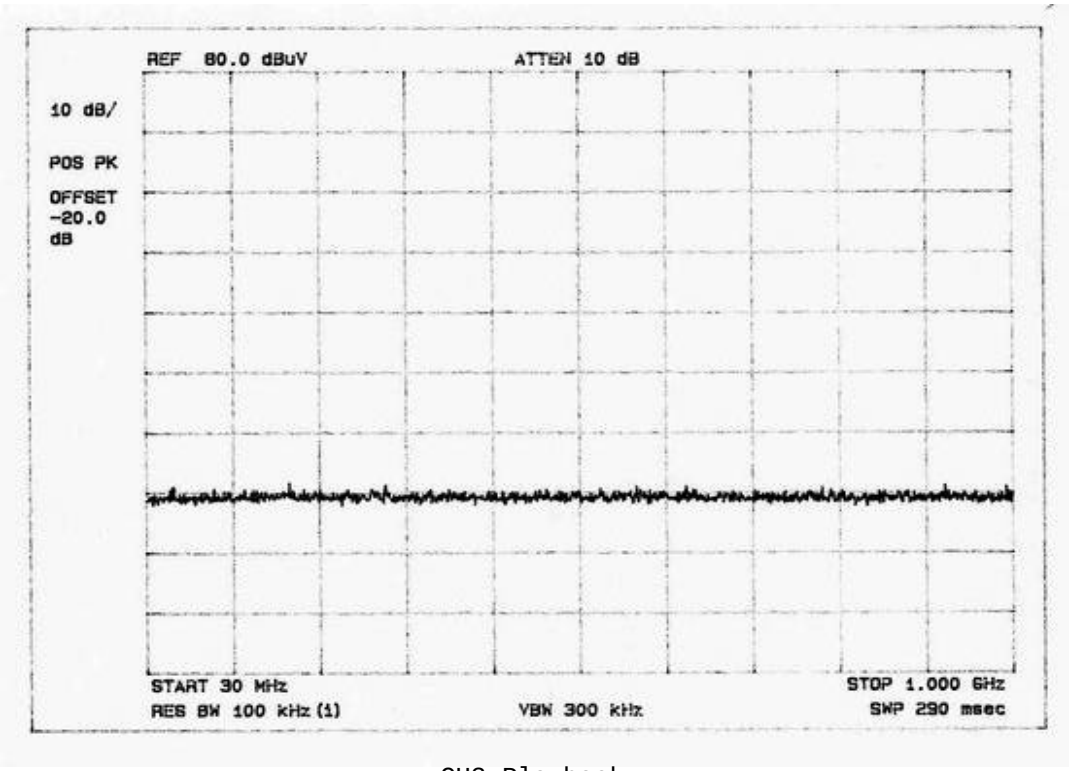
CH4 Playback



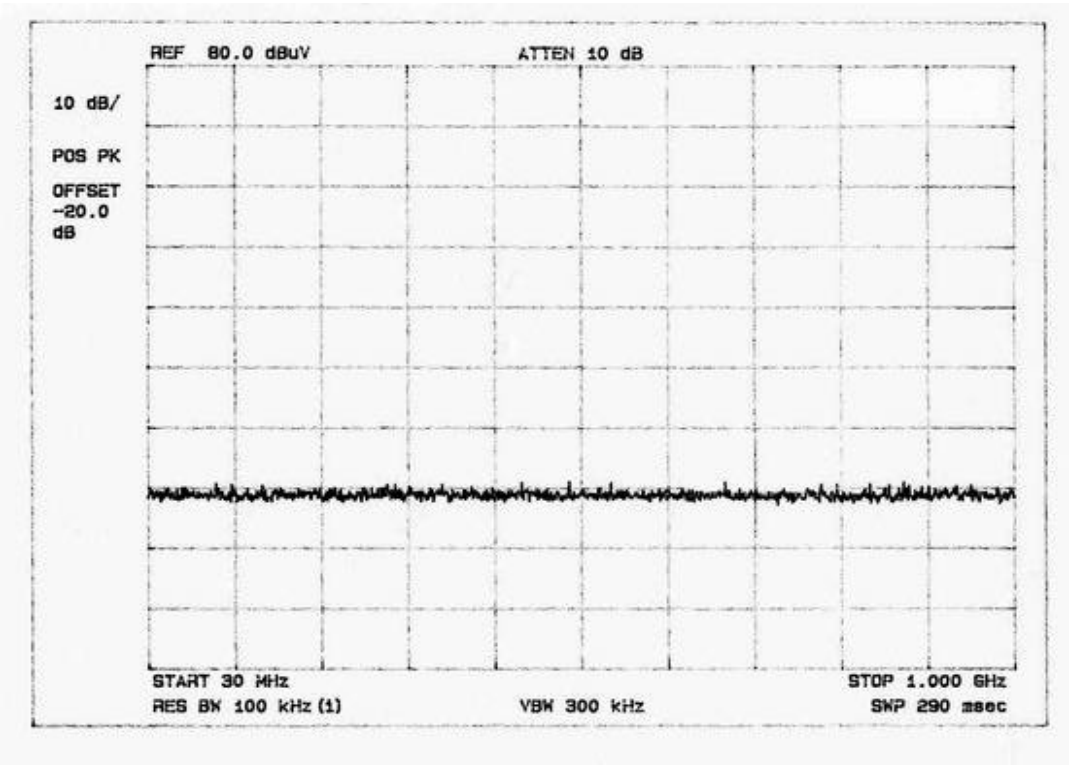
CH4 Record

Transfer Switch Isolation Measurement

Tuner: ALTMI-US3-S



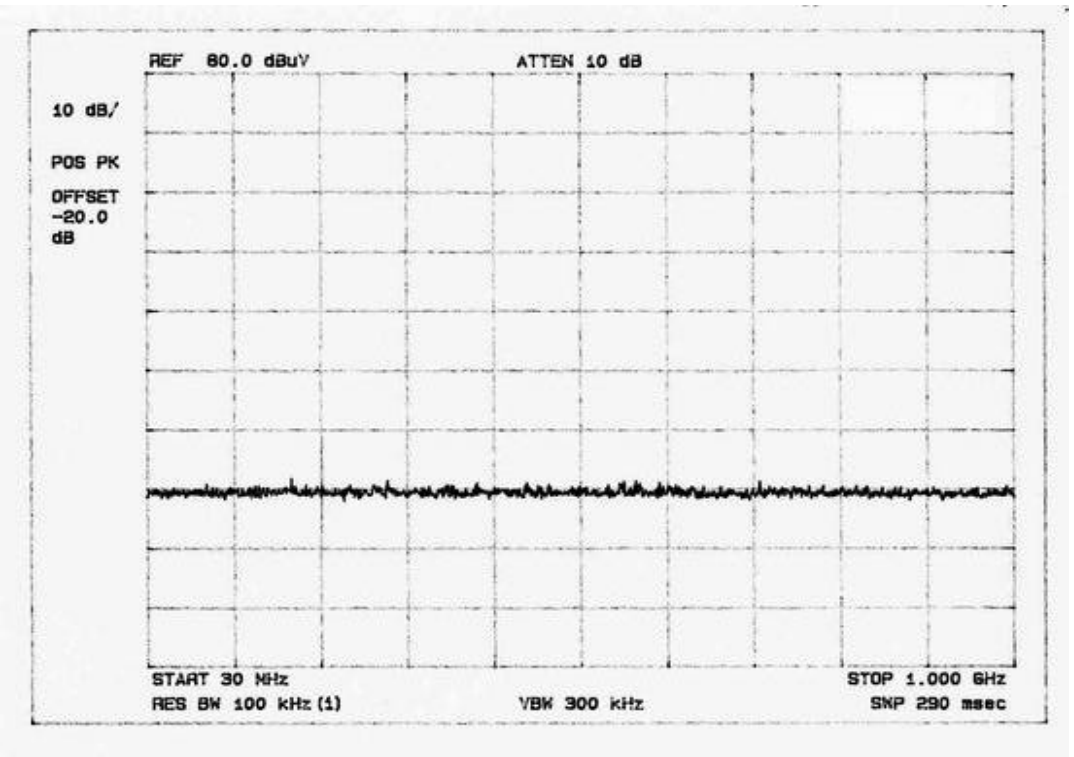
CH3 Playback



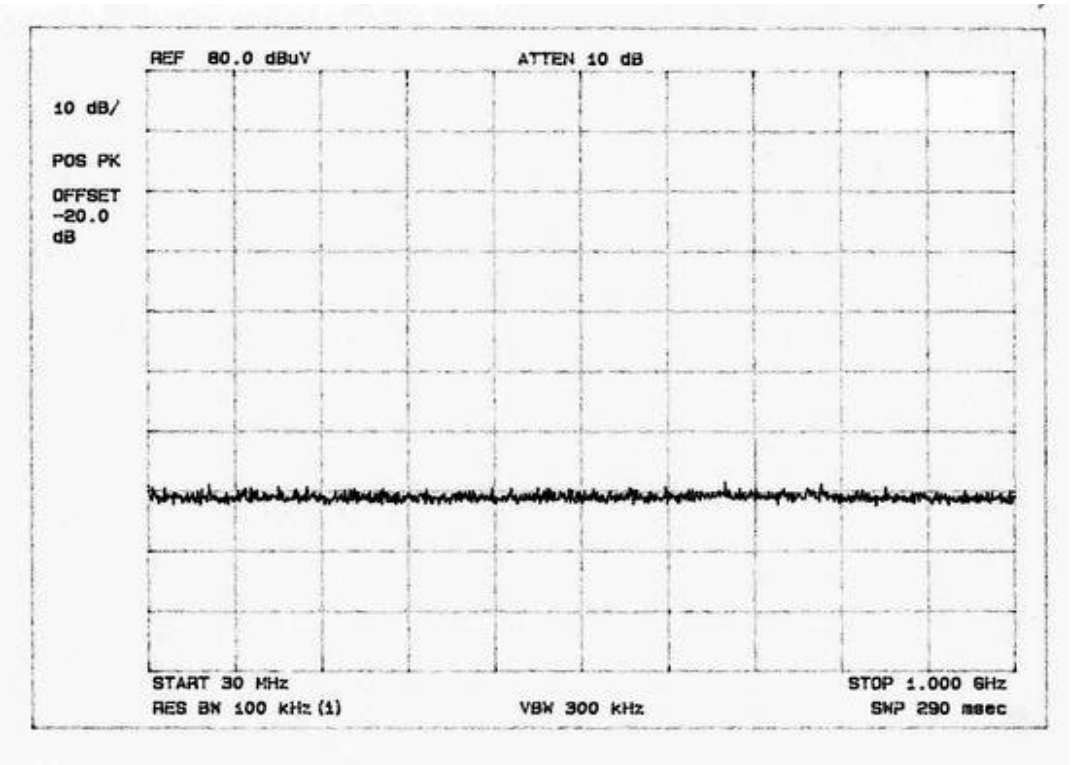
CH3 Record

Transfer Switch Isolation Measurement

Tuner: ALTMI-US3-S



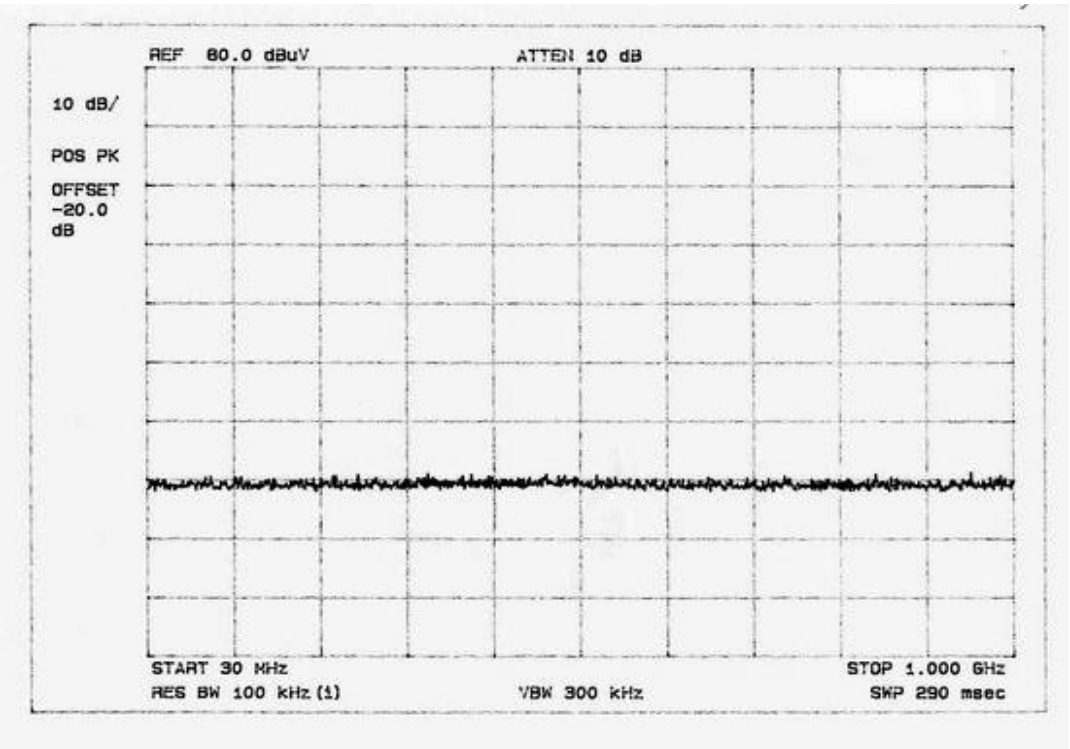
CH4 Playback



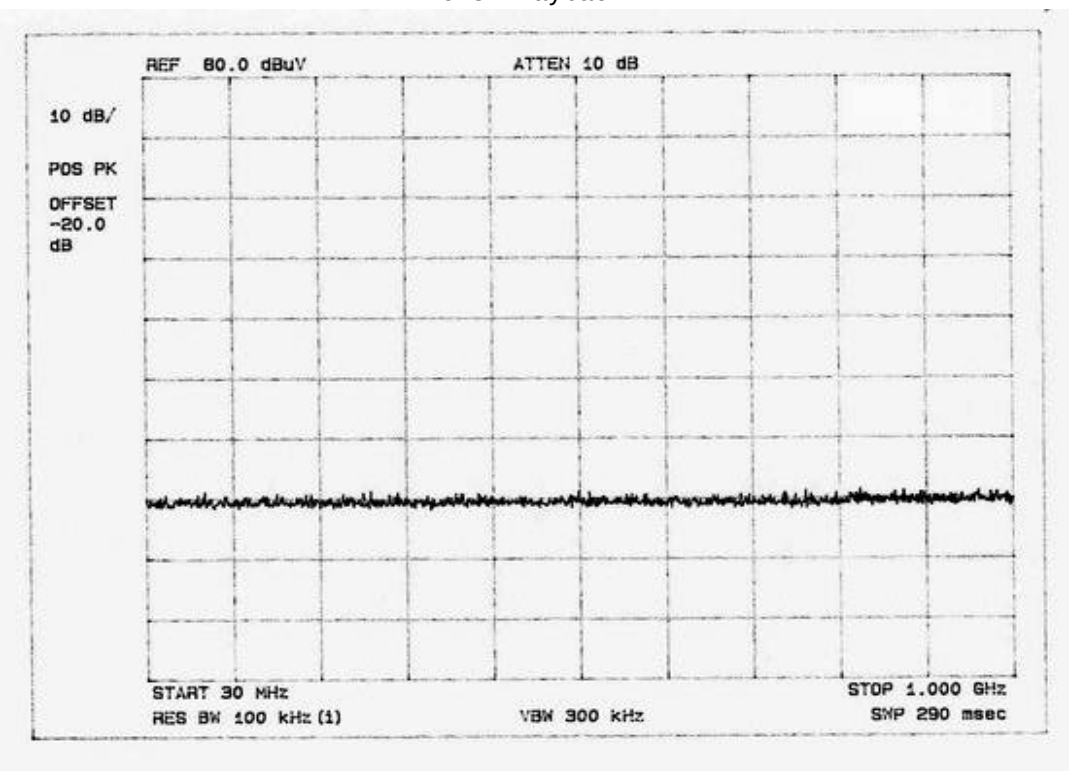
CH4 Record

Transfer Switch Isolation Measurement

Tuner: LGTMI-US4-S



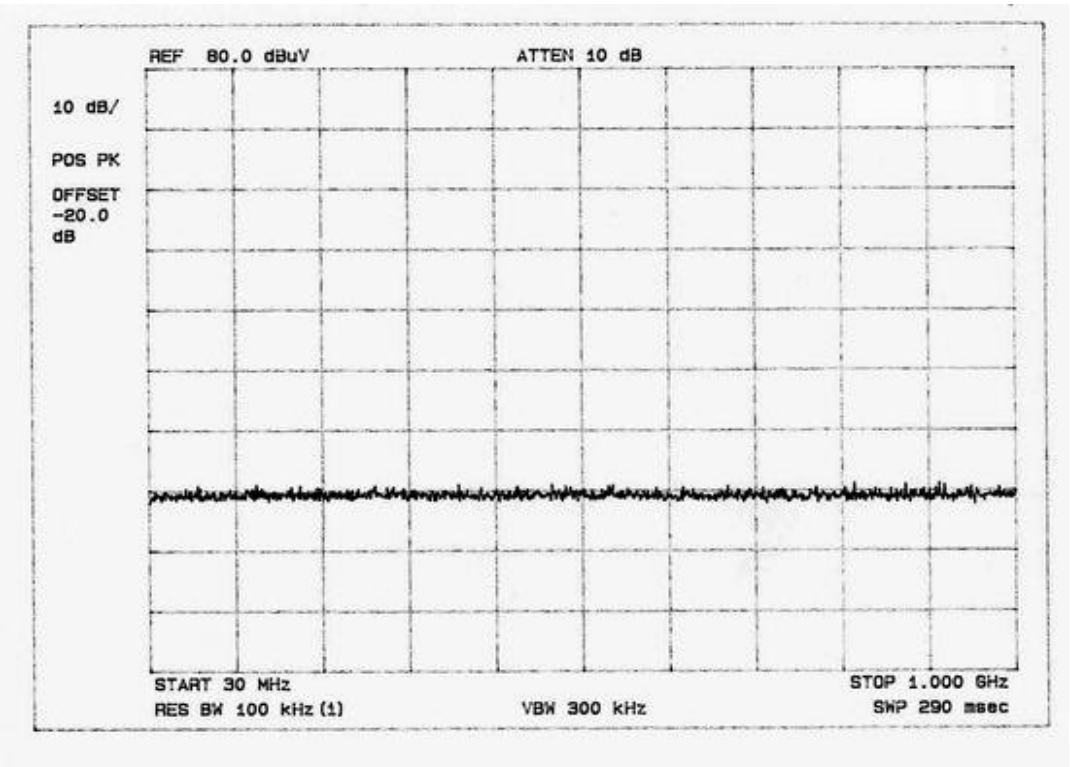
CH3 Playback



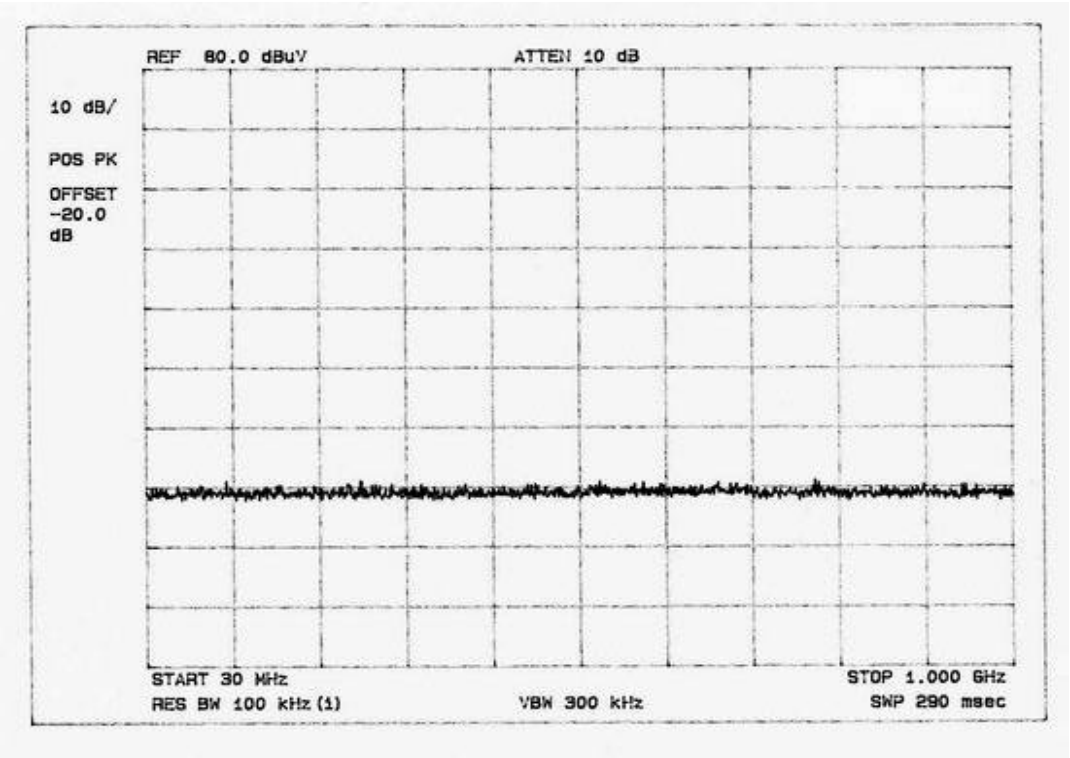
CH3 Record

Transfer Switch Isolation Measurement

Tuner: LGTMI-US4-S



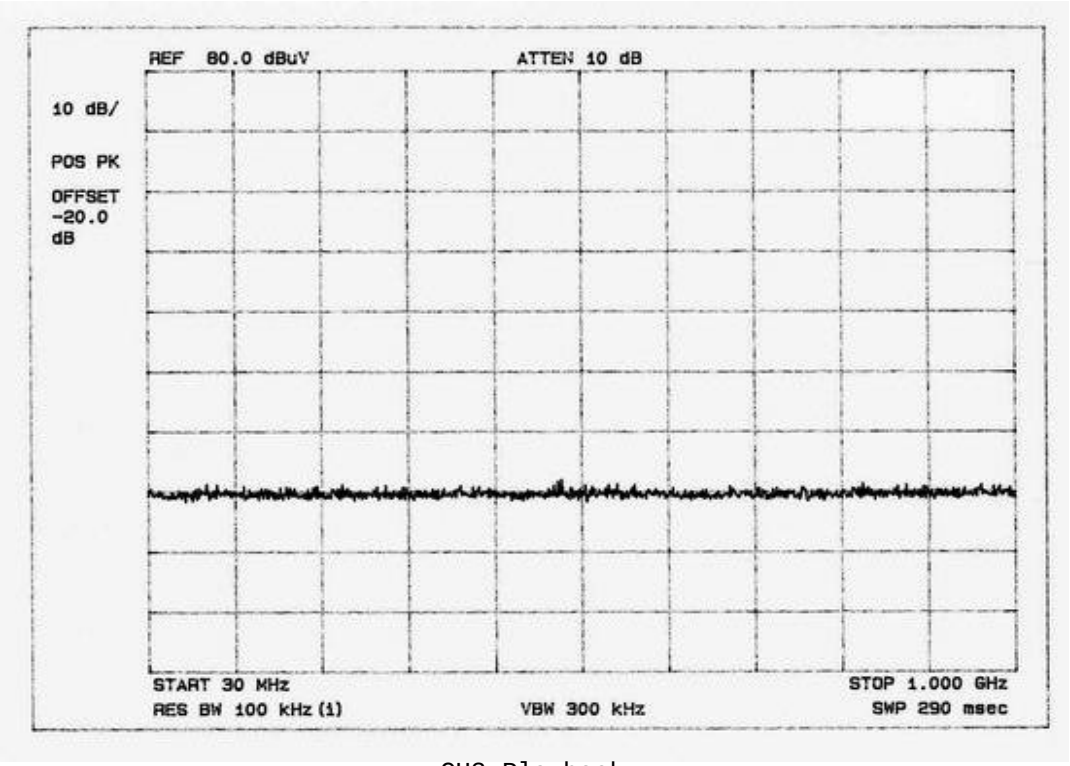
CH4 Playback



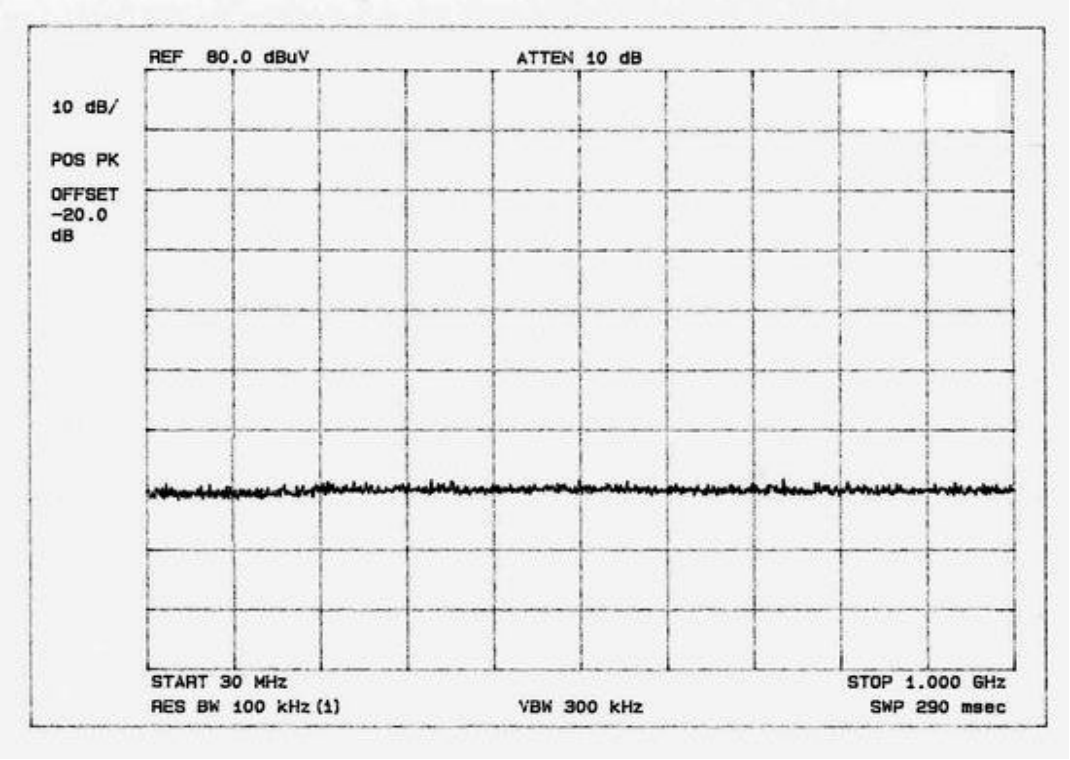
CH4 Record

Transfer Switch Isolation Measurement

Tuner: SSTMI-US3-S



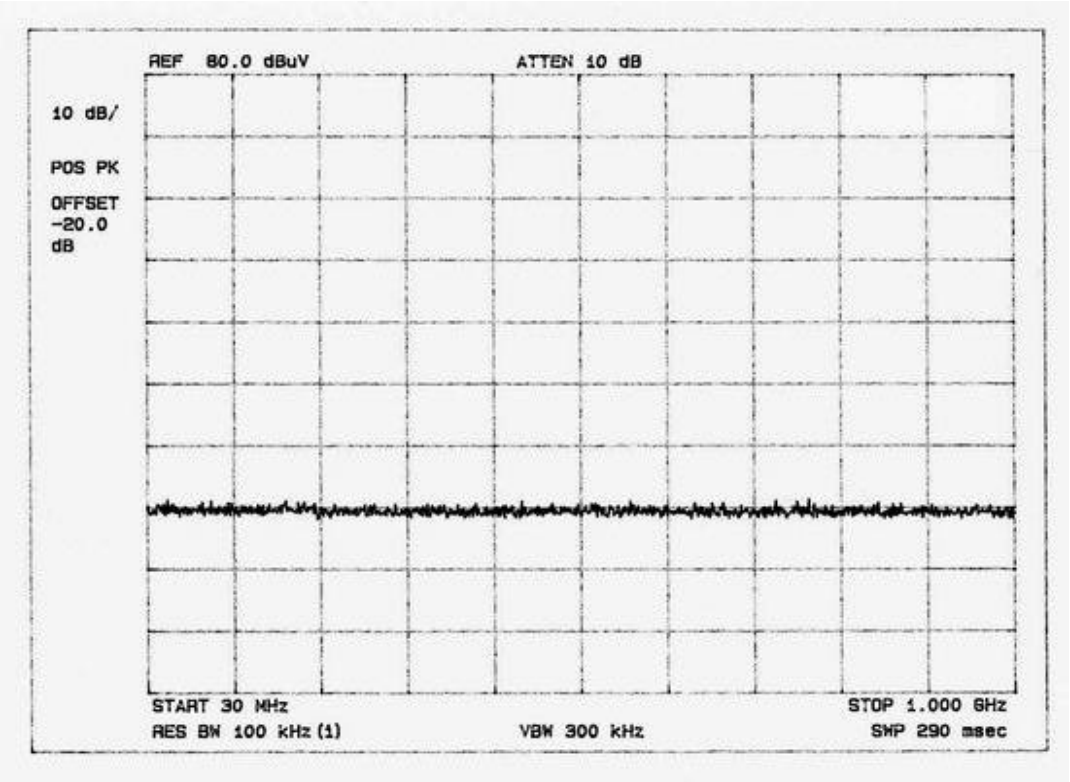
CH3 Playback



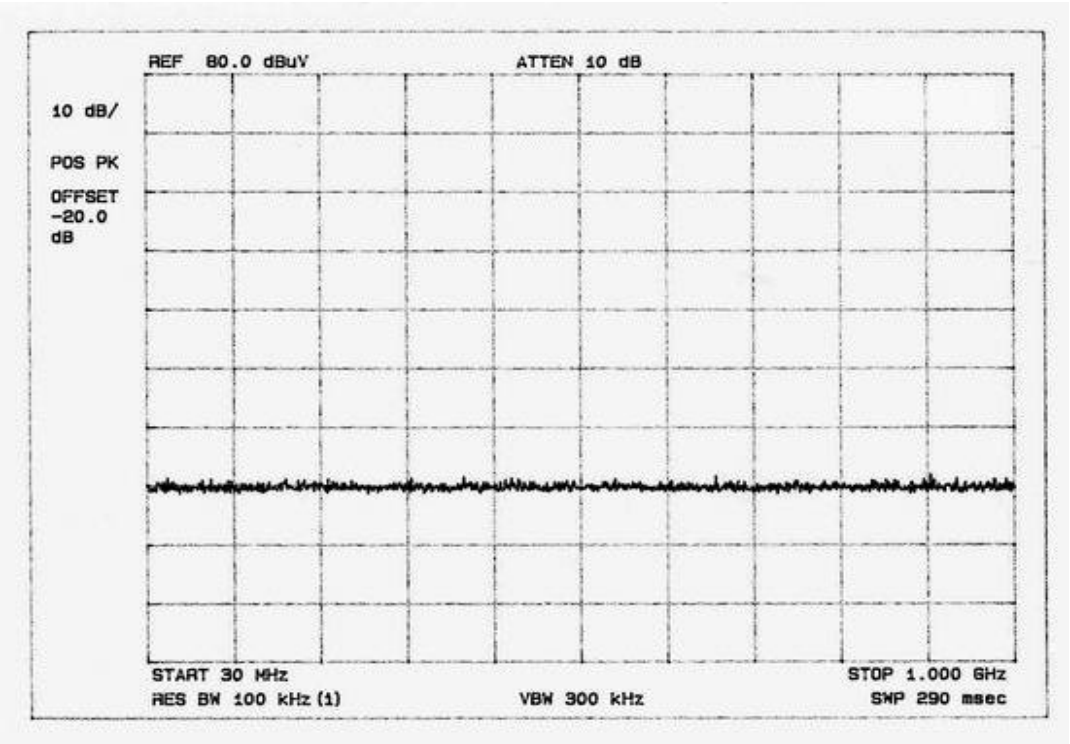
CH3 Record

Transfer Switch Isolation Measurement

Tuner: SSTMI-US3-S



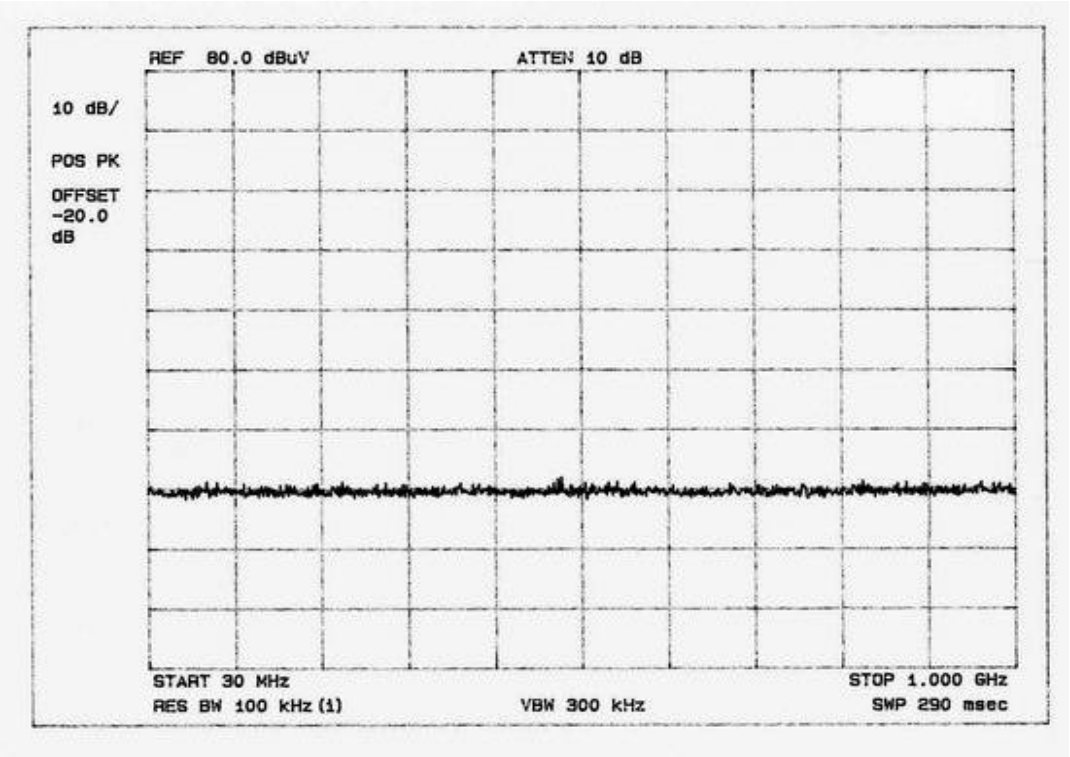
CH4 Playback



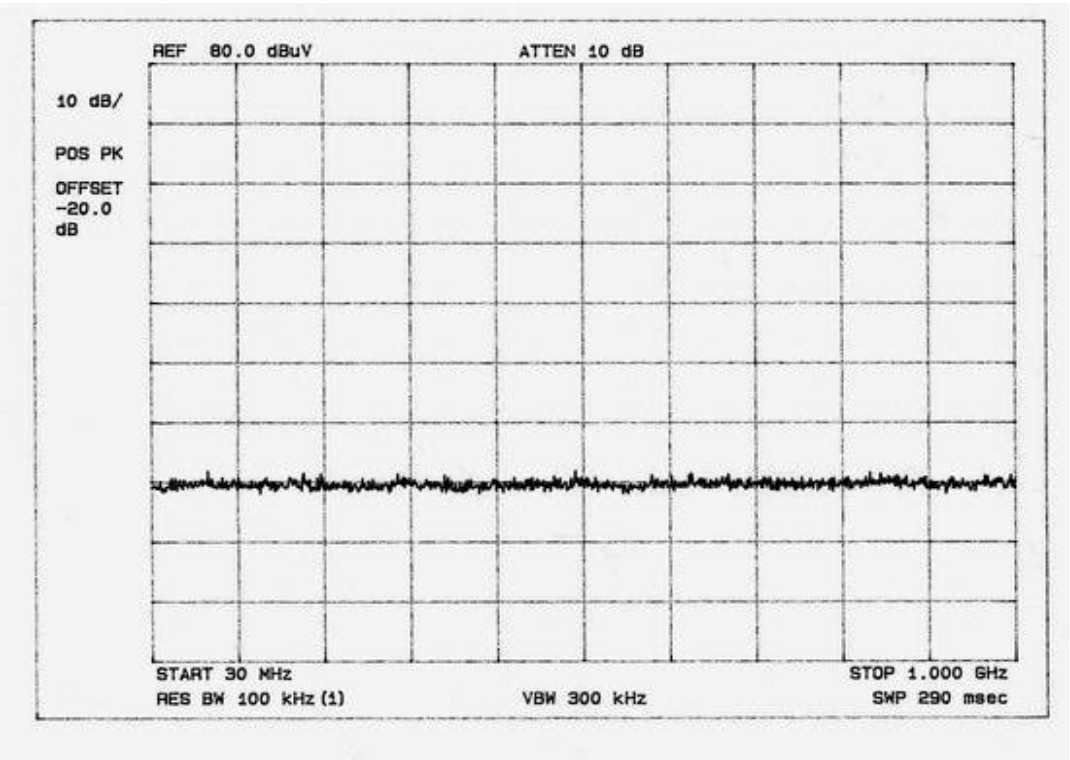
CH4 Record

Transfer Switch Isolation Measurement

Tuner: SATMI-US4-S



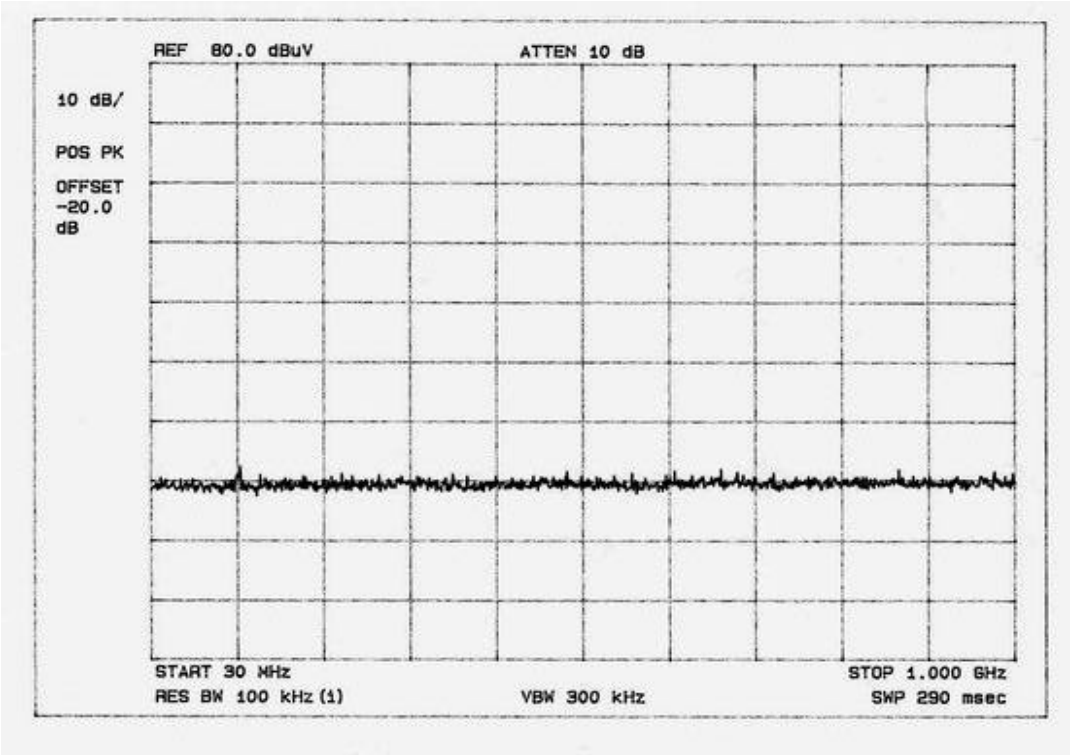
CH3 Playback



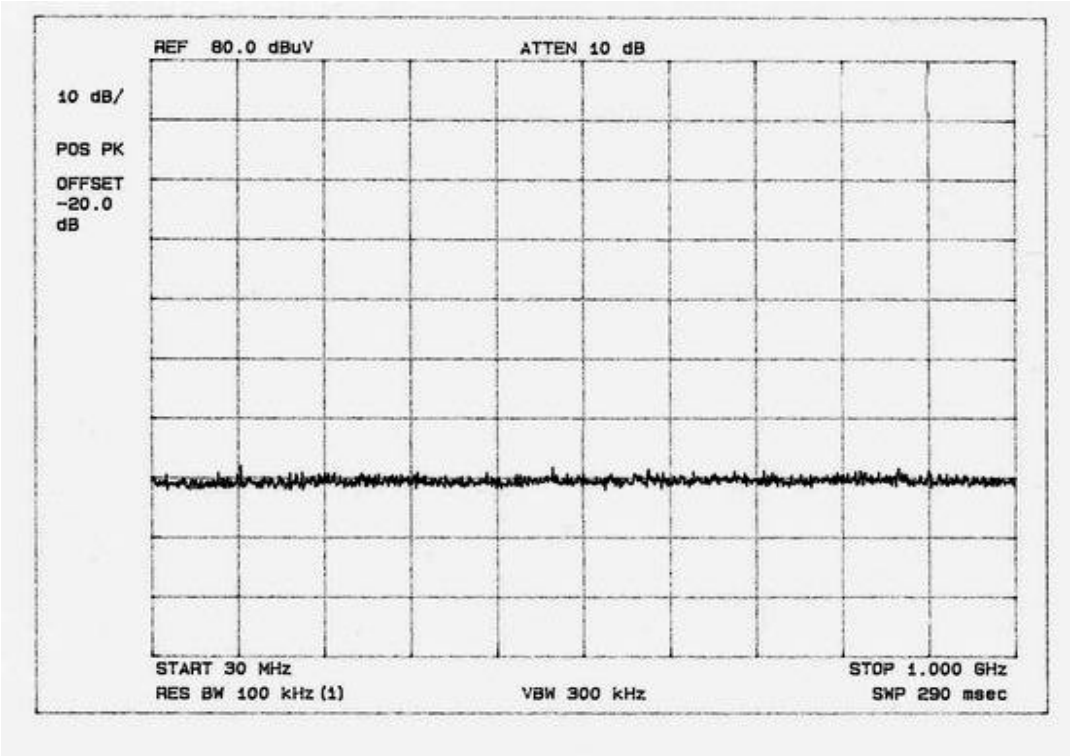
CH3 Record

Transfer Switch Isolation Measurement

Tuner: SATMI-US4-S

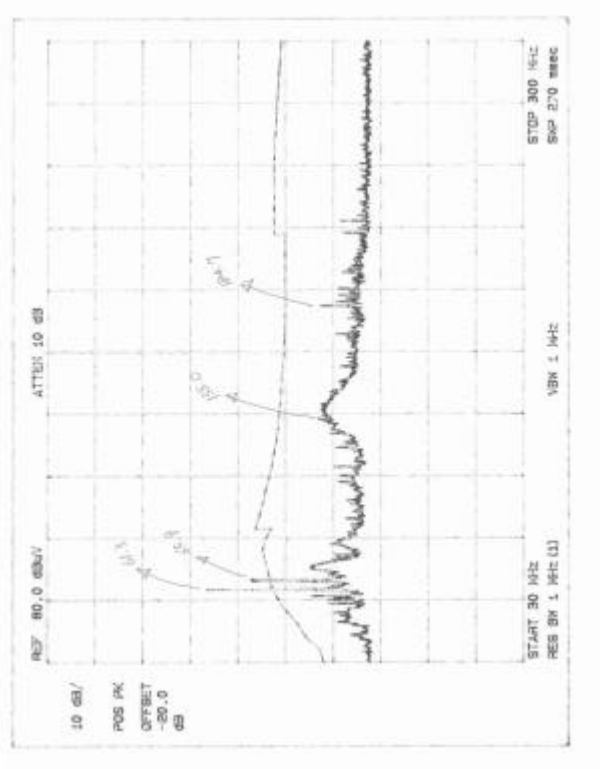


CH4 Playback

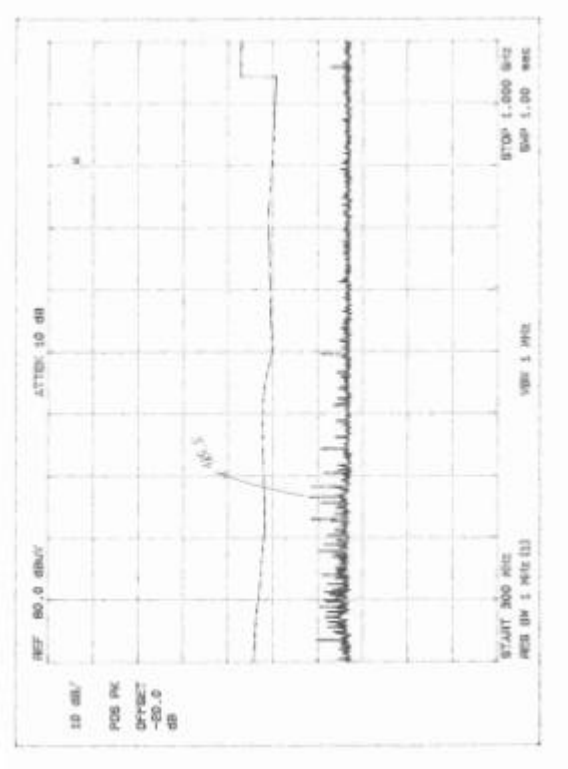


CH4 Record

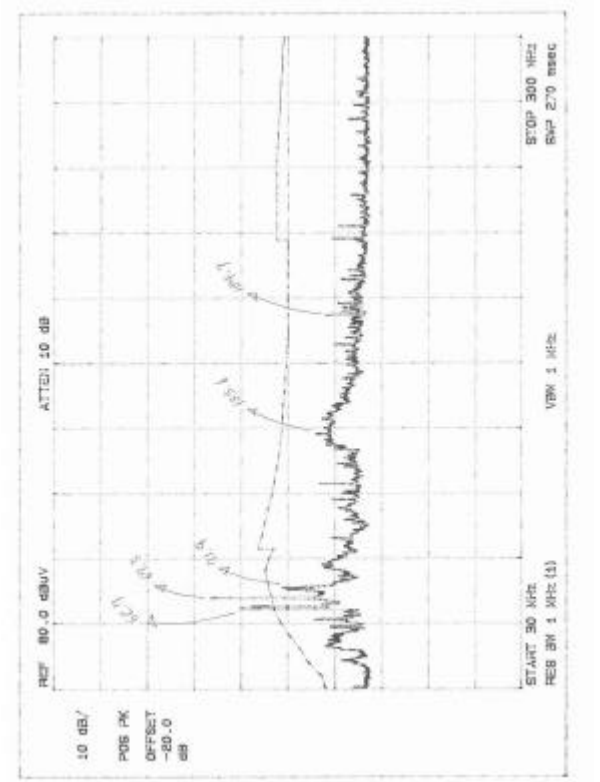
Appendix A. Preliminary Test Data (Tuner: LGTMI-US2-S)



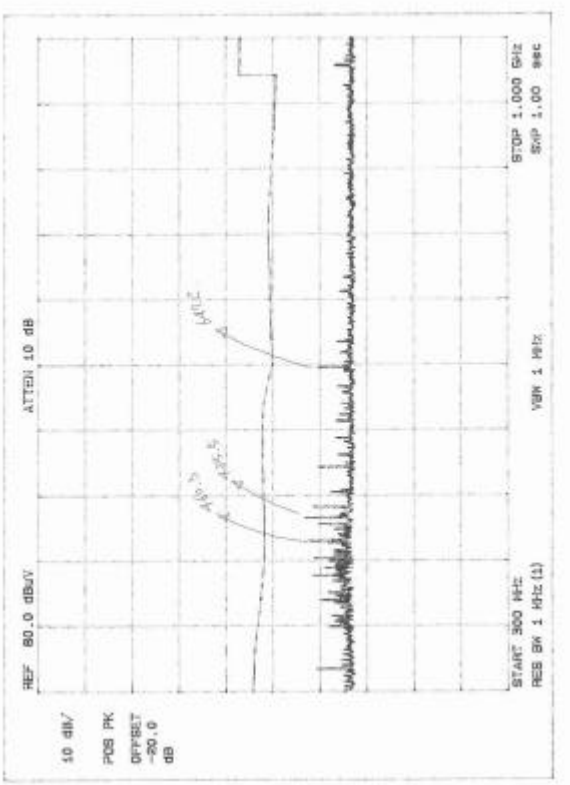
CH3 Playback low-range



CH3 Playback high-range

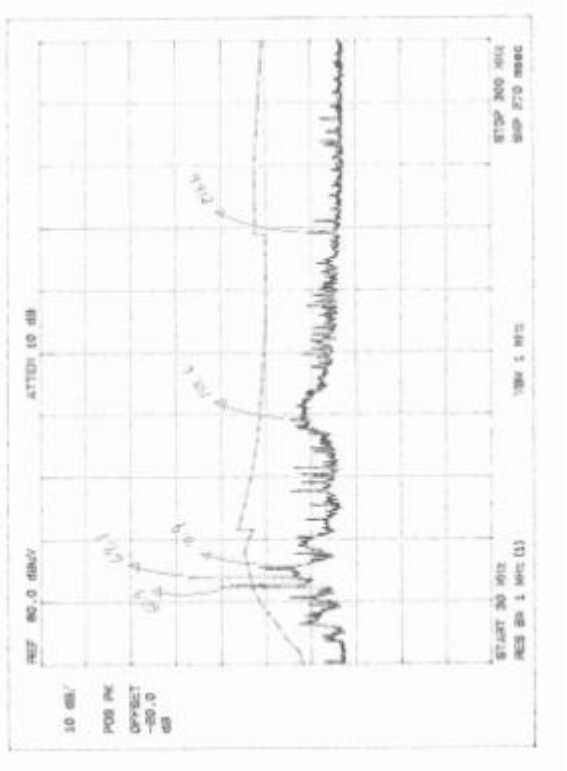


CH4 Record low-range

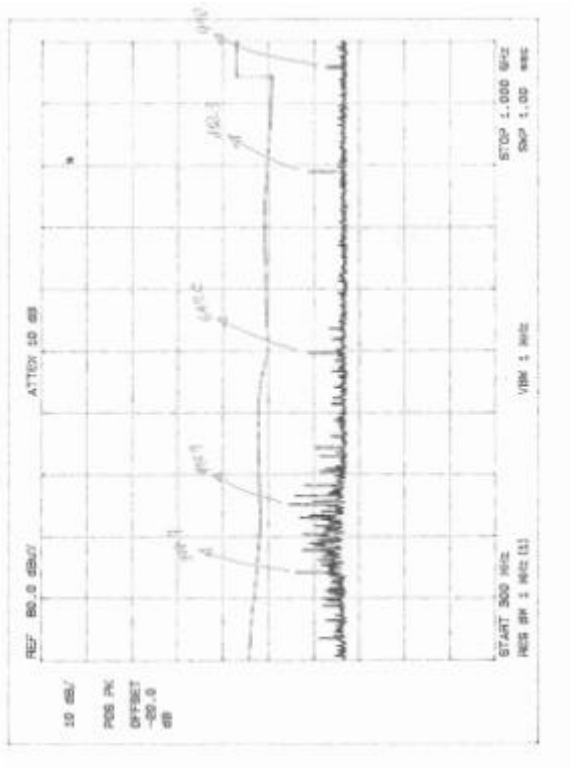


CH4 Record high-range

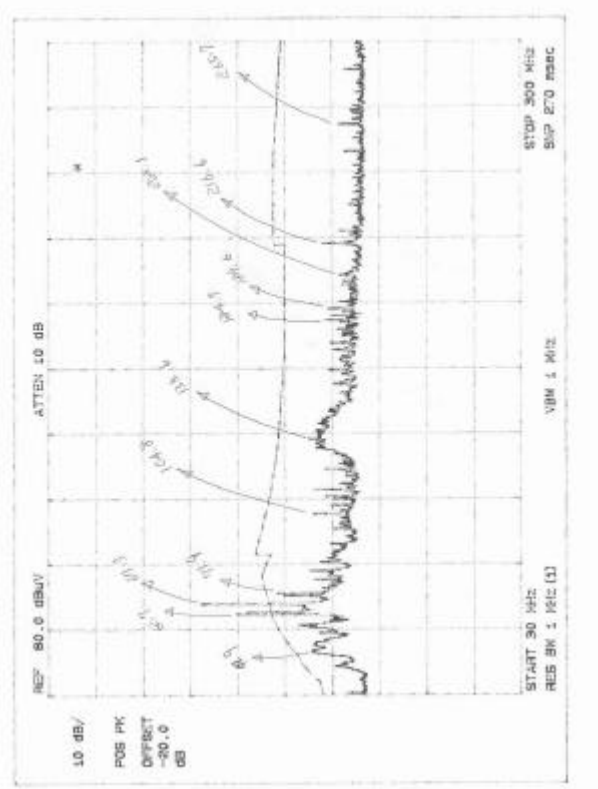
Appendix A. Preliminary Test Data (Tuner: LGTMI-US2-S)



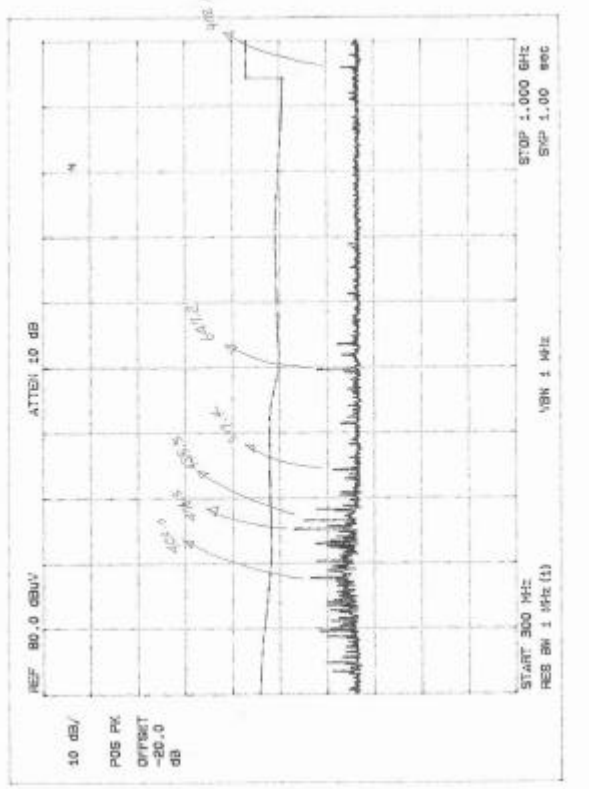
DVD Playback low-range



DVD Playback high-range

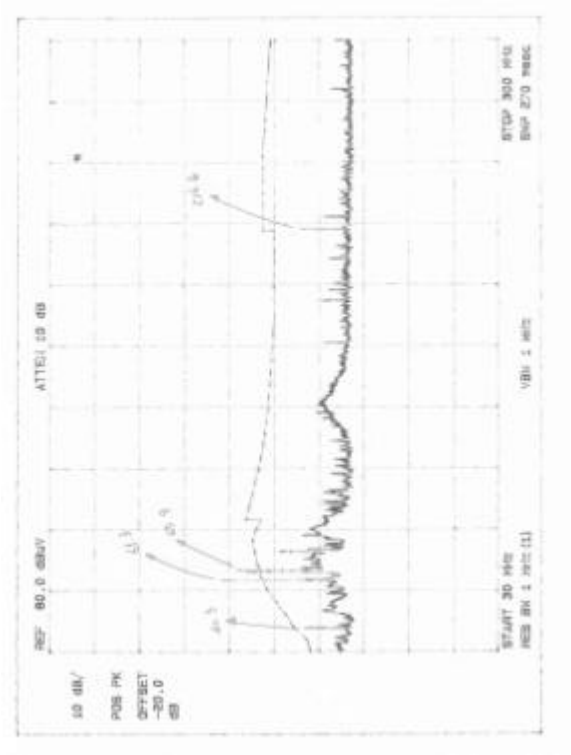


DVD Playback and VCR Record low-range

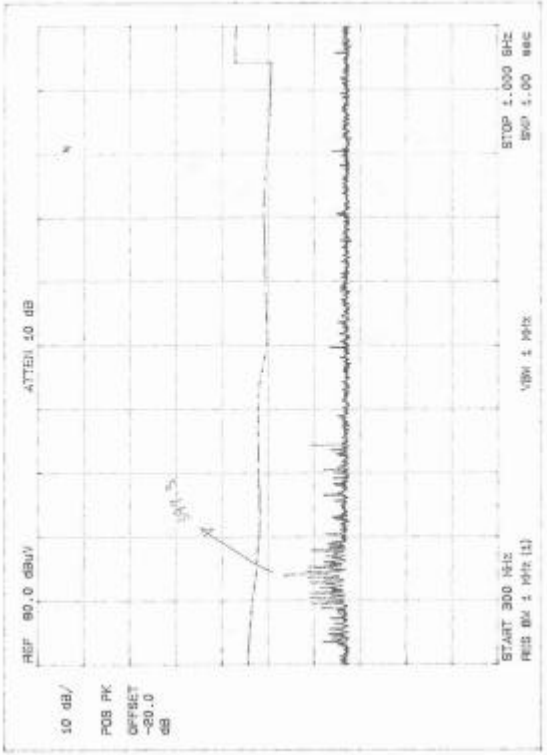


DVD Playback and VCR Record high-range

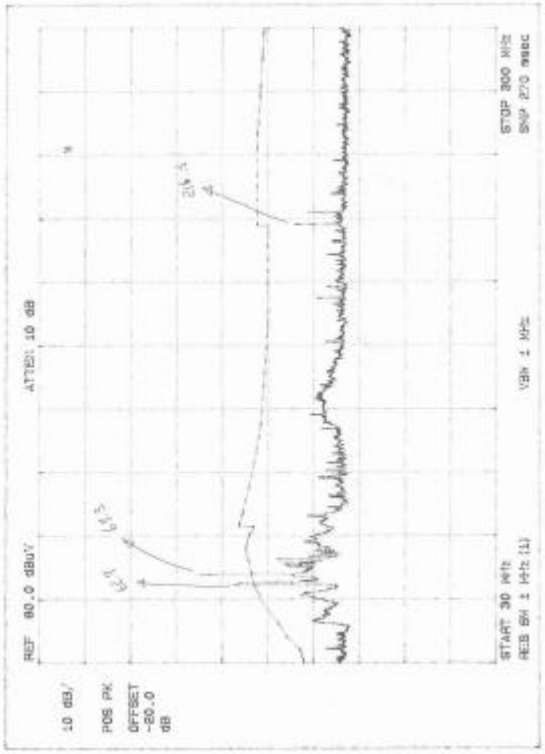
Appendix A. Preliminary Test Data (Tuner: ALTMI-US3-S)



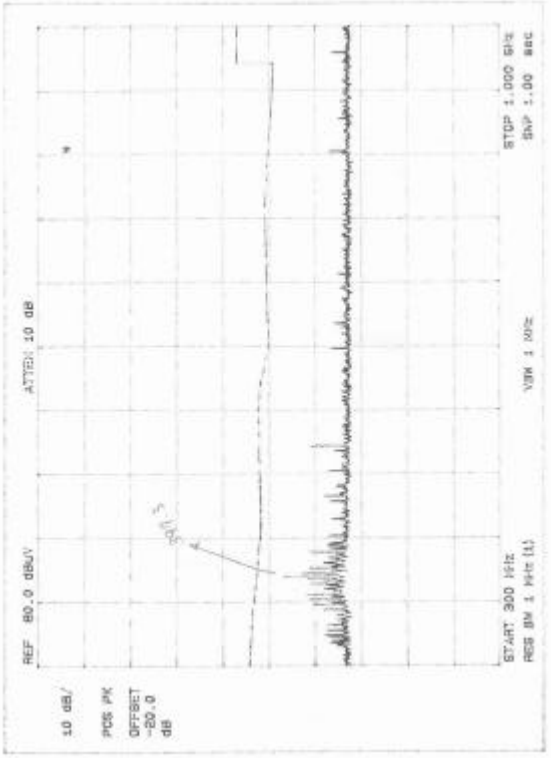
CH3 Play low-range



CH3 Play high-range

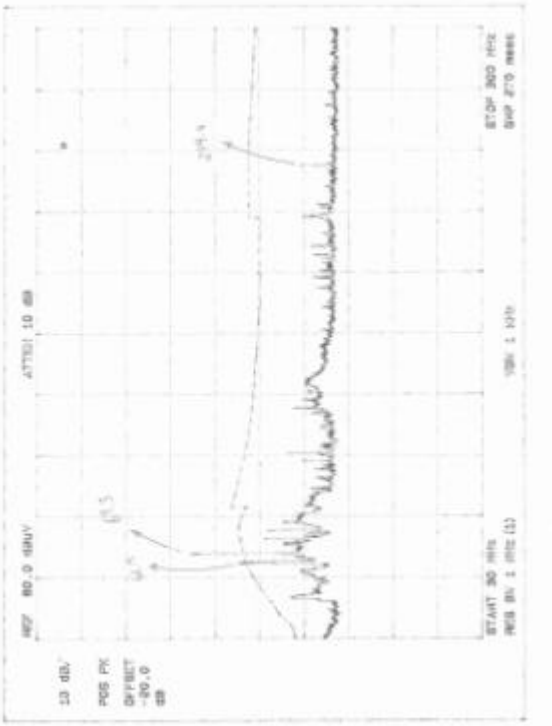


CH4 Record low-range

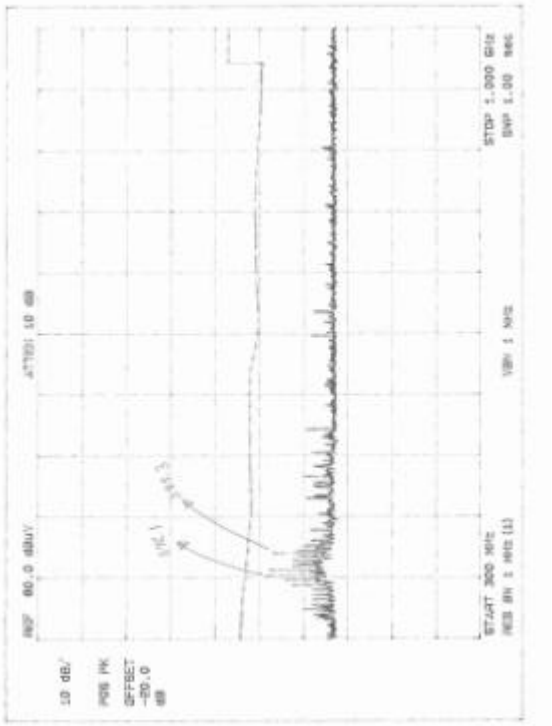


CH4 Record high-range

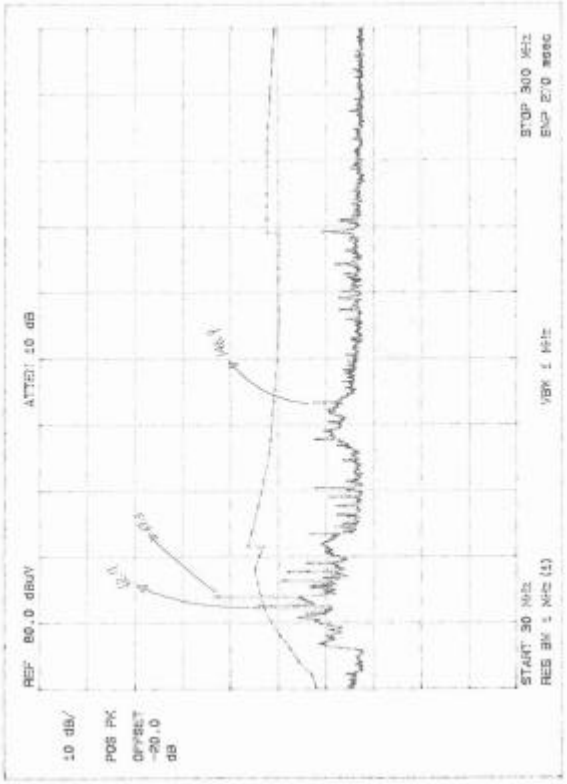
Appendix A. Preliminary Test Data (Tuner: ALTMI-US3-S)



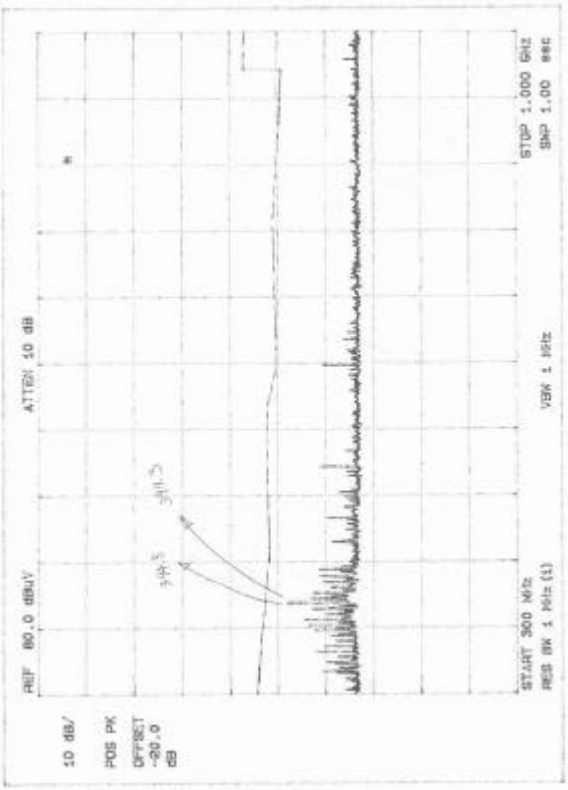
DVD Playback low-range



DVD Playback high-range

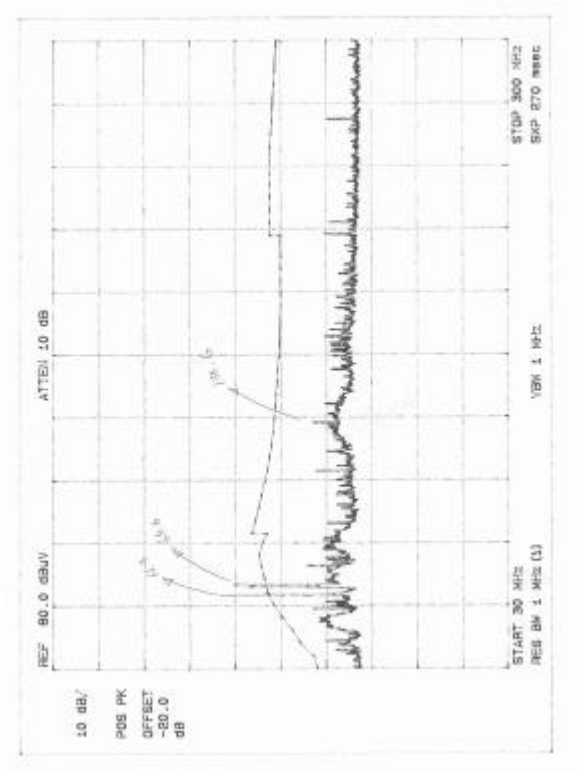


DVD Playback and VCR Record low-range

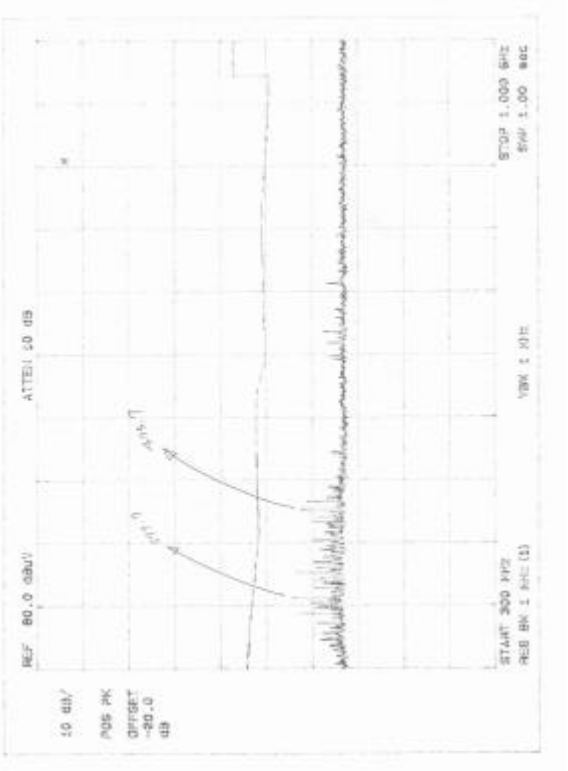


DVD Playback and VCR Record high-range

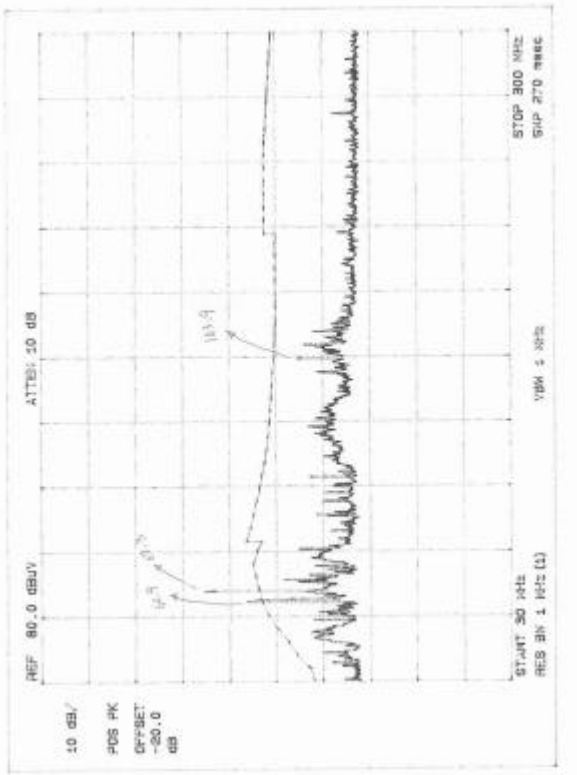
Appendix A. Preliminary Test Data (Tuner: LGTMI-US4-S)



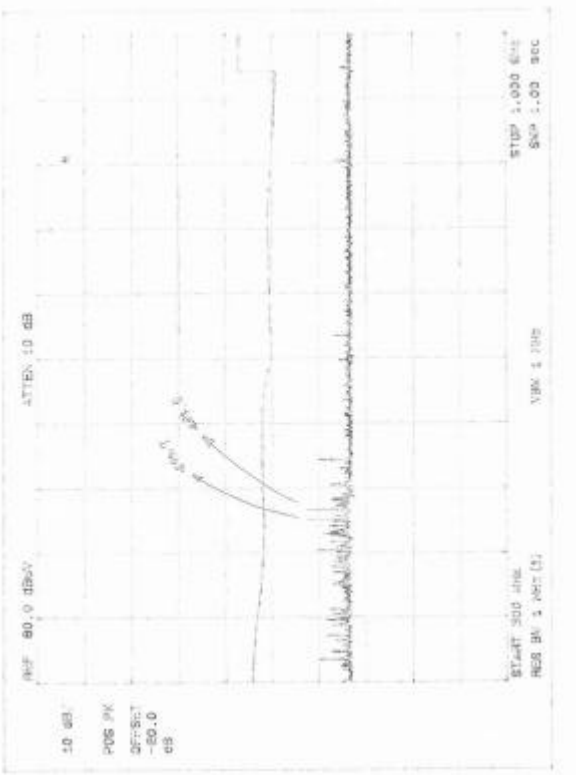
CH3 Play low-range



CH3 Play high-range

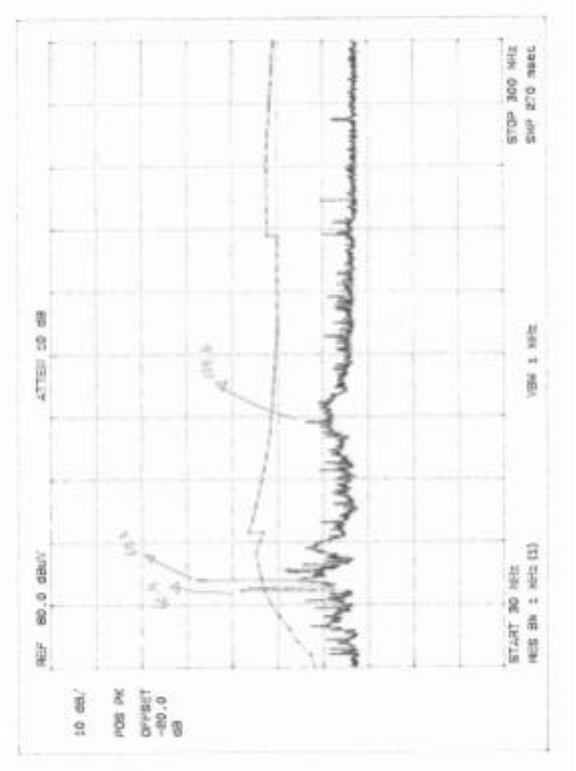


CH4 Record low-range

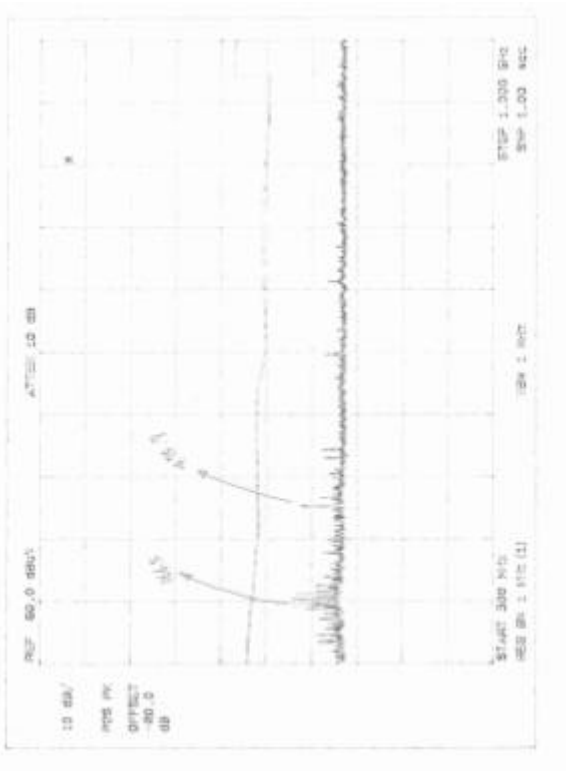


CH4 Record high-range

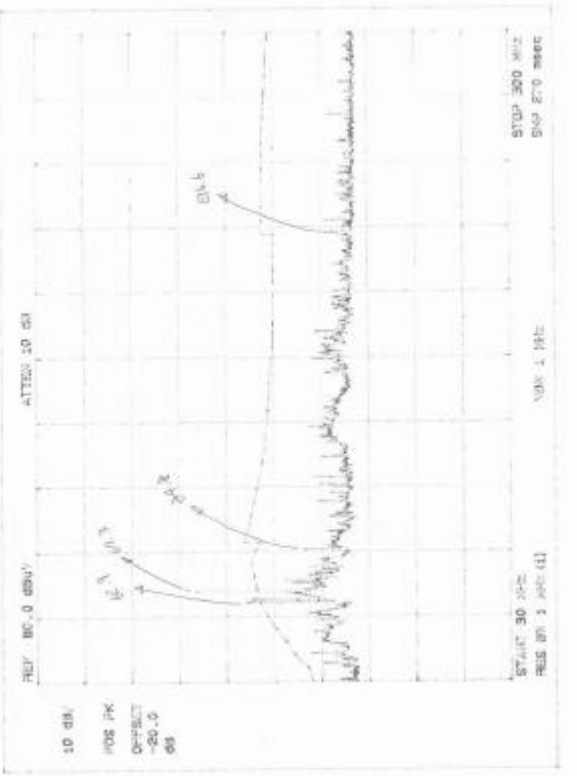
Appendix A. Preliminary Test Data (Tuner: LGTMI-US4-S)



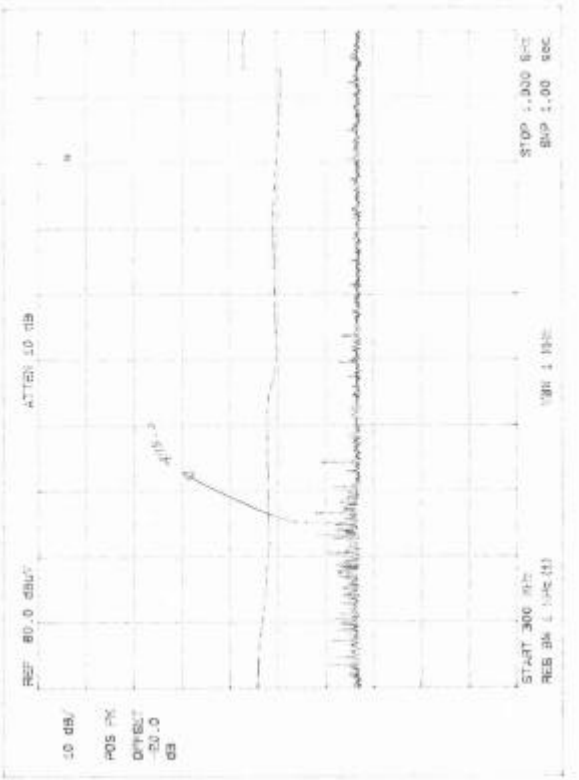
DVD Playback low-range



DVD Playback high-range

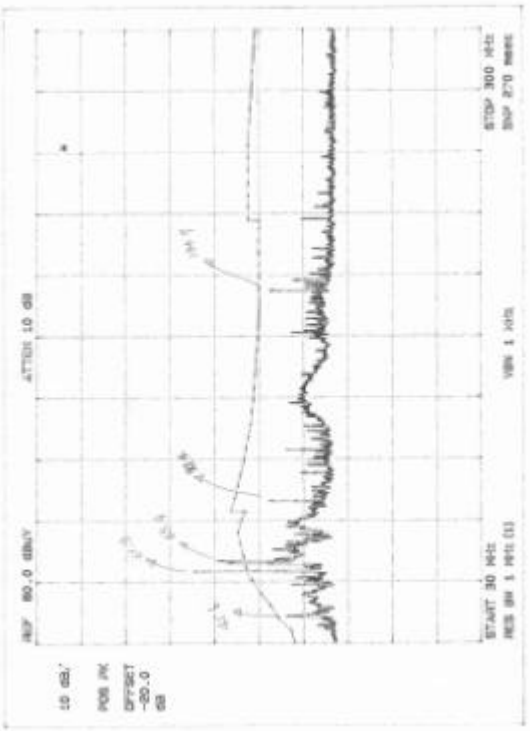


DVD Playback and VCR Record low-range

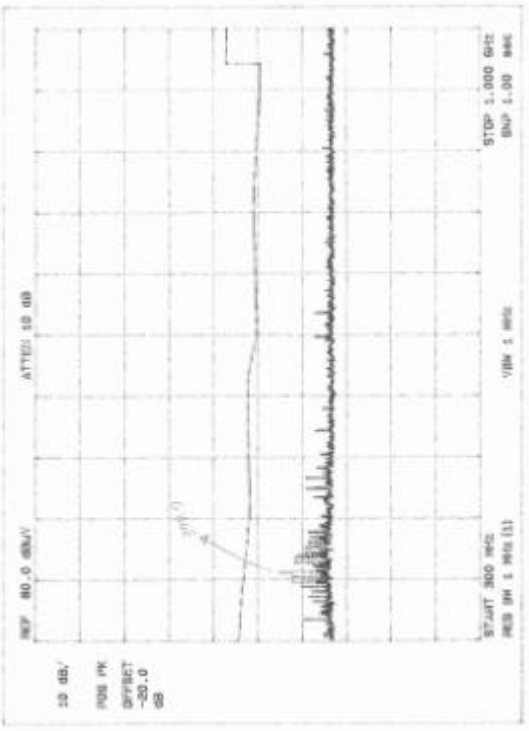


DVD Playback and VCR Record high-range

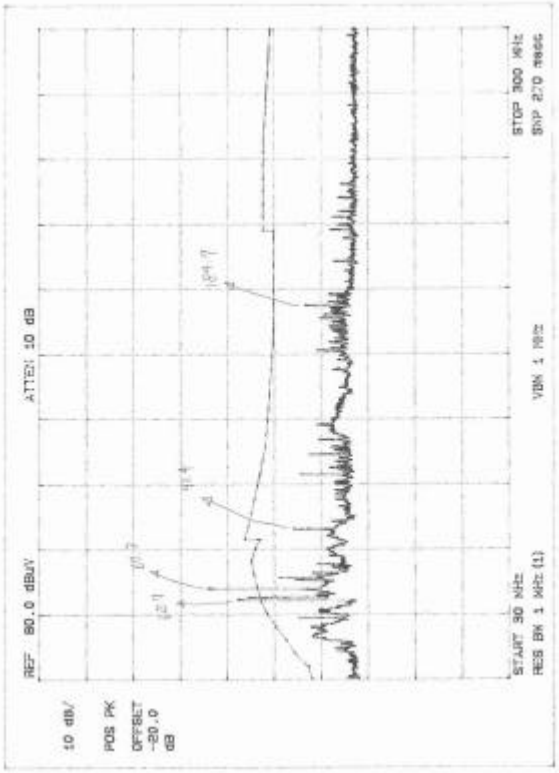
Appendix A. Preliminary Test Data (Tuner: SSTMI-US3-S)



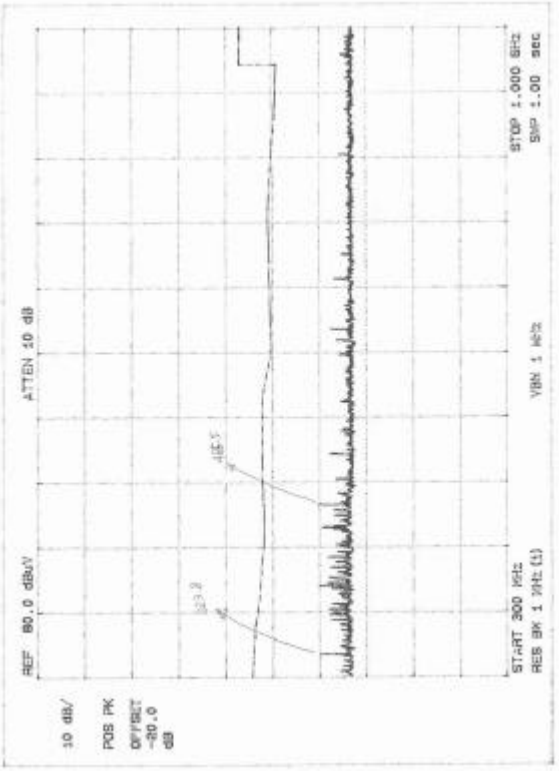
CH3 Play low-range



CH3 Play high-range

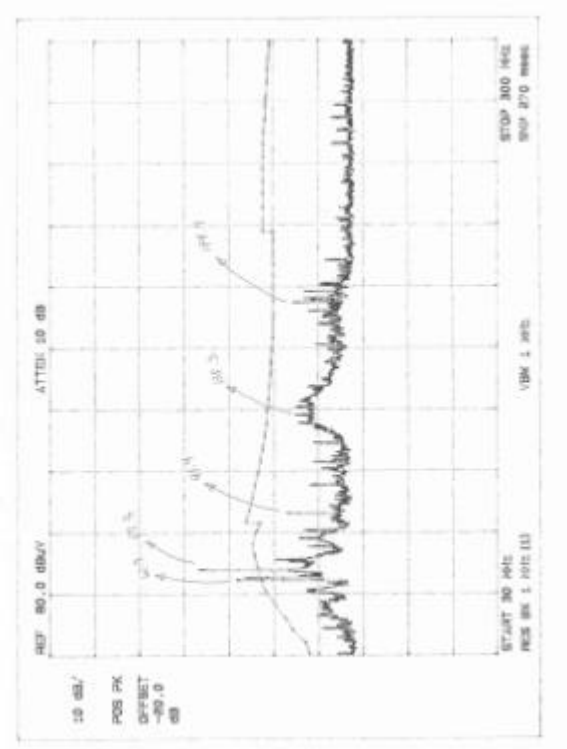


CH4 Record low-range

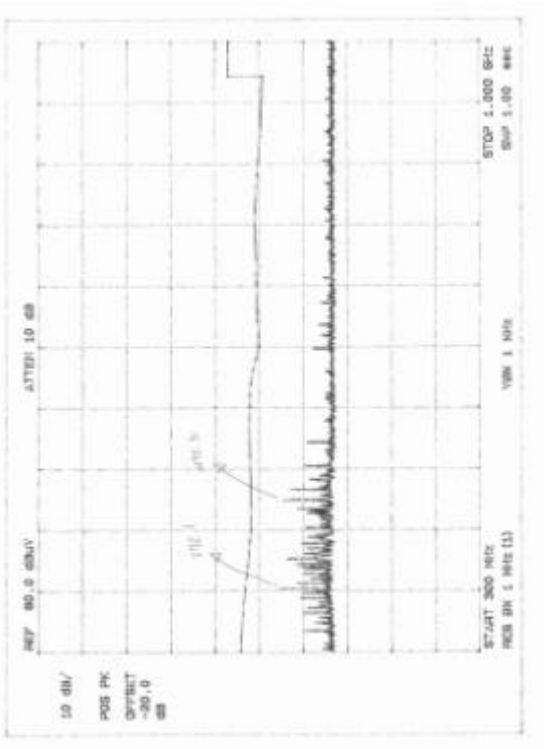


CH4 Record high-range

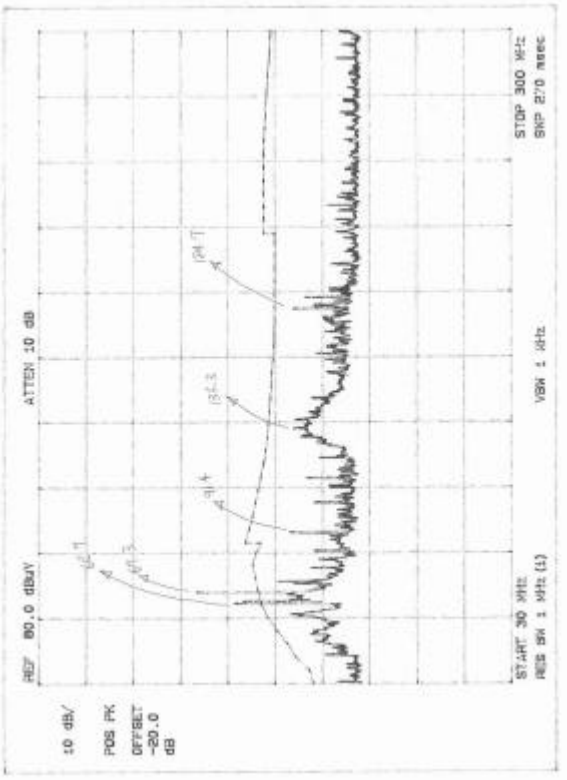
Appendix A. Preliminary Test Data (Tuner: SSTMI-US3-S)



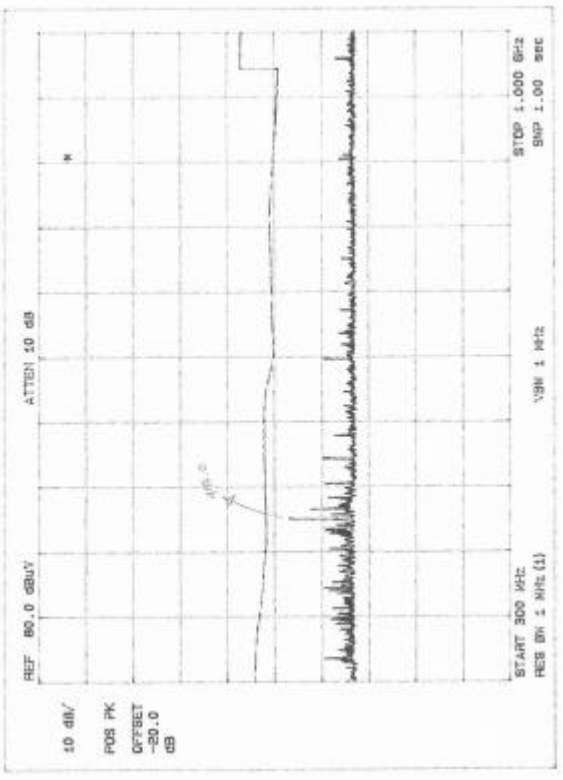
DVD Playback low-range



DVD Playback high-range

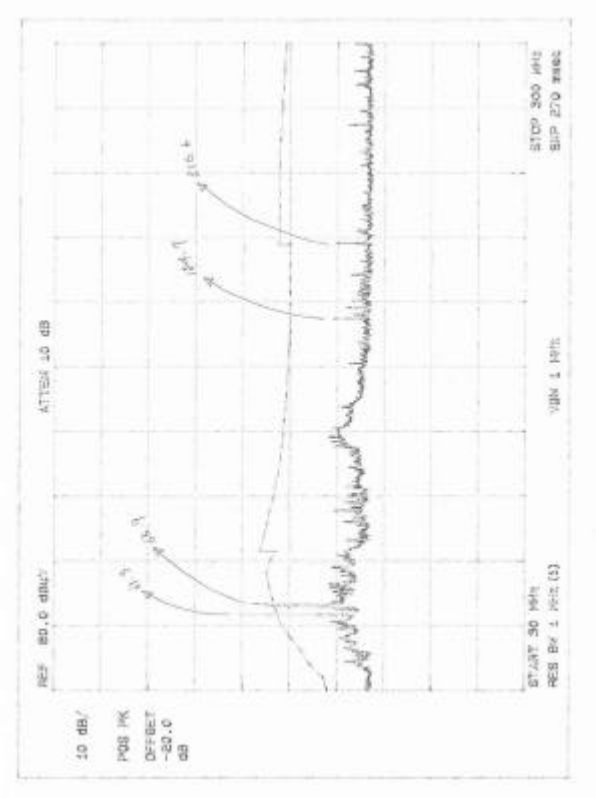


DVD Playback and VCR Record low-range

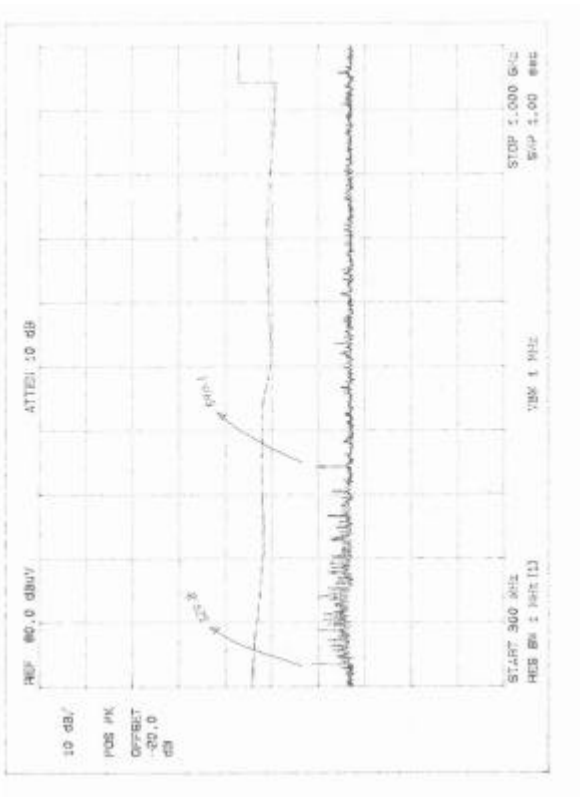


DVD Playback and VCR Record high-range

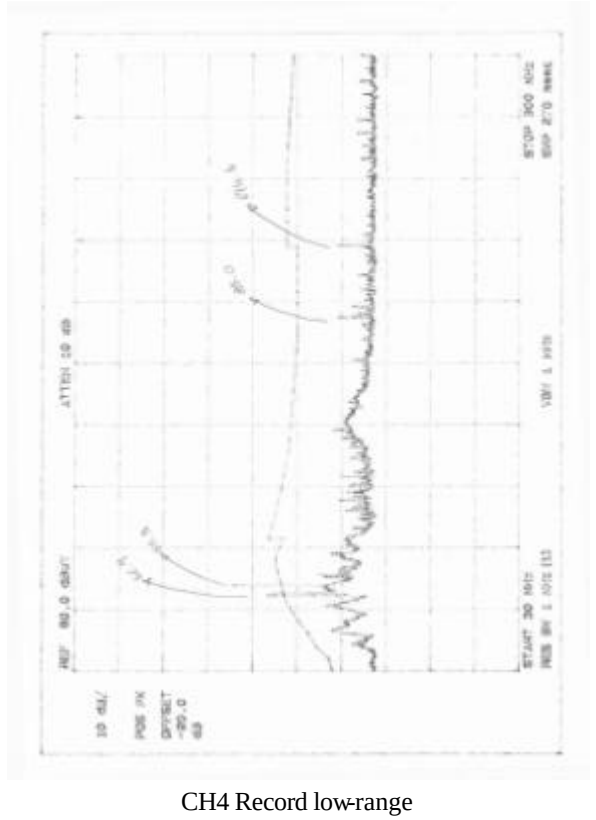
Appendix A. Preliminary Test Data (Tuner: SATMI-US2-S)



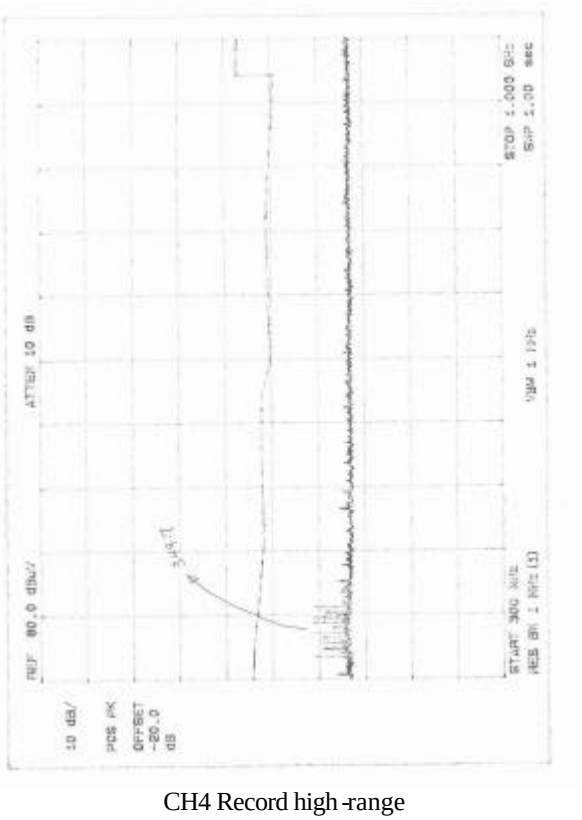
CH3 Play low-range



CH3 Play high-range

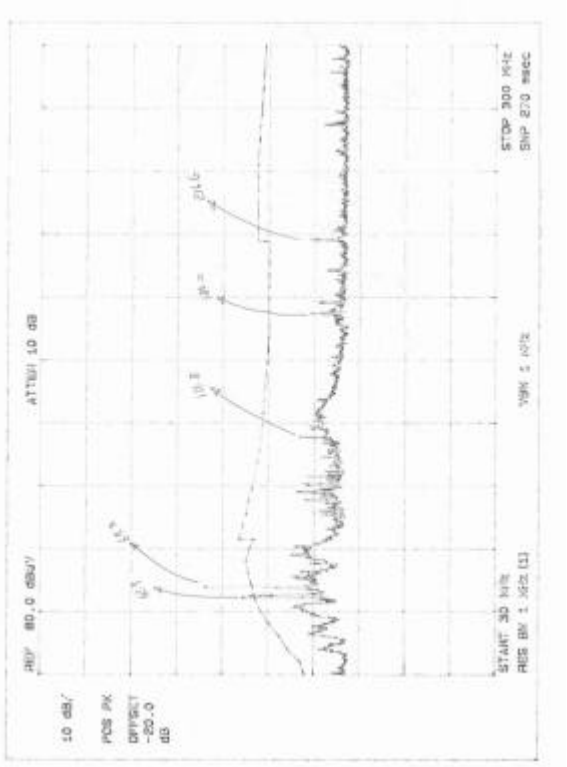


CH4 Record low-range

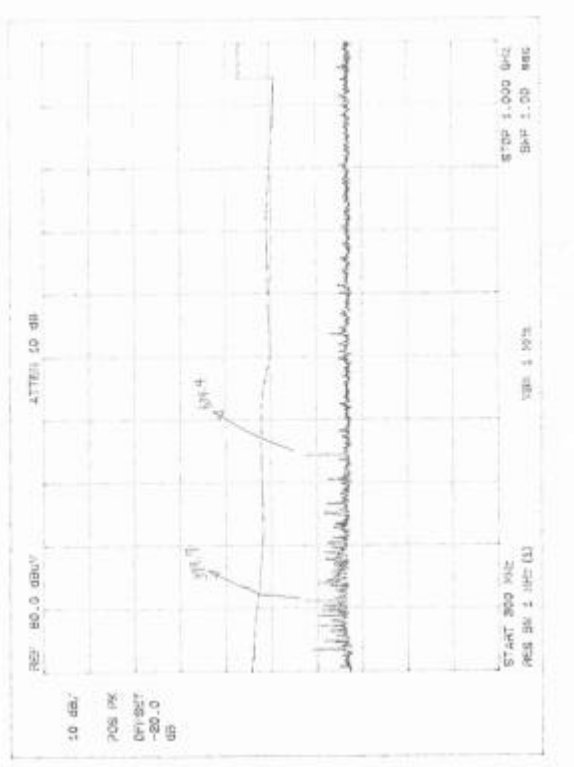


CH4 Record high-range

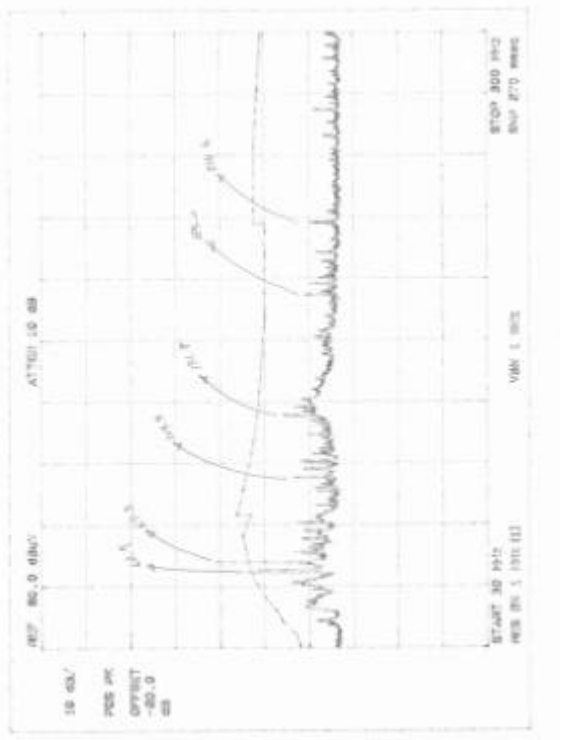
Appendix A. Preliminary Test Data (Tuner: SATMI-US2-S)



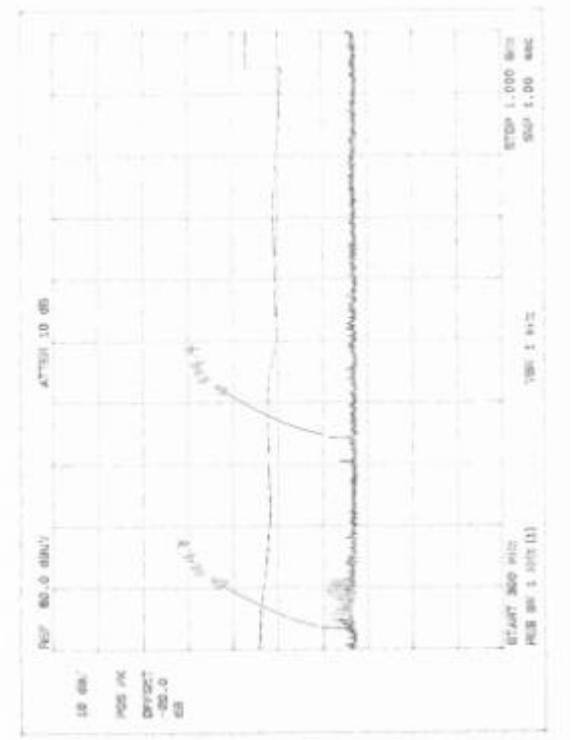
DVD Playback low-range



DVD Playback high-range



DVD Playback and VCR Record low-range



DVD Playback and VCR Record high-range