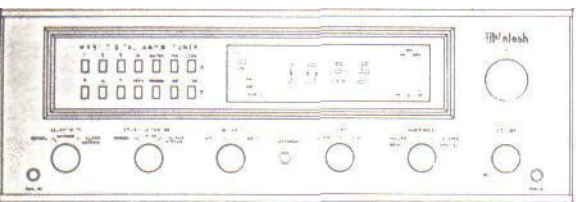


McINTOSH MR 81

AM/FM TUNER

TECHNI-DATA QUICKSHEET

TECHNI-DATA QUICKSHEET



The MR 81 is a digital FM/AM tuner with six station automatic tuning on either AM or FM plus automatic scan up or down the FM band. These facilities interface with, and can be remotely selected and operated by the McIntosh CR 5 Remote Control System.

McIntosh engineering has developed new circuits whose useful sensitivity and selectivity had been thought to be achievable, but only in theory; yet, the MR 81 performance proves them to be not only achievable but practical.

Complex signal processing circuits have been developed to provide maximum dimension and stereo image stability regardless of interfering noise of unwanted signals. These same signal processing circuits produces AM with a synthesized stereo like sound image derived from mono programs. Automatic AM stereo will be heard when such programs are broadcast.

PERFORMANCE LIMITS

FM SENSITIVITY

	Normal	Strong	Super Strong
Normal	1.6µV/10.5 dBF	3.5µV/16.0 dBF	6.0µV/21 dBF
Narrow	1.4µV/9.5 dBF	3.0µV/15.0 dBF	5.5µV/20 dBF
Super Narrow	1.2µV/7.0 dBF	2.5µV/13.5 dBF	4.5µV/18 dBF

50dB QUIETING

	Normal	Strong	Super Strong	THD
	Mono	Mono	Mono	Mono
Normal	2.4µV	4.5µV	8µV	.3%
Narrow	2.4µV	4.5µV	8µV	.3%
Super Narrow	2.4µV	4.5µV	8µV	.4%

	Normal	Strong	Super Strong	THD
	Stereo	Stereo	Stereo	Stereo
Normal	22µV	50µV	100µV	.3%
Narrow	22µV	50µV	100µV	.3%
Super Narrow	22µV	50µV	100µV	.5%

SIGNAL TO NOISE RATIO

65 dBF (kµV) and 1kHz @ ± 75kHz Modulation
 Mono 83dB IHF(A)
 Stereo 78dB IHF(A)

FREQUENCY RESPONSE

±1dB 20Hz to 15kHz

TOTAL HARMONIC DISTORTION AT

1kµV65dB: 1kHz @ ± 75kHz Modulation

	Mono	Stereo
Normal	.03%	.055%
Narrow	.04%	.13%
Super Narrow	.3%	.5%

CAPTURE RATIO

	10µV/20dBF	100µV/45dBF	1kµV/65dBF
Normal	2.5dB	1.0dB	1.0dB
Narrow	2.5dB	1.2dB	1.2dB
Super Narrow	3.0dB	1.5dB	1.5dB

SELECTIVITY

	Normal	Narrow	Super Narrow
Adjacent	4dB	11dB	50dB
Alternate	53dB	73dB	90dB

SPURIOUS RESPONSE

Normal	100dB
Strong	greater than 120dB
Super Strong	greater than 120dB

IMAGERESPONSE

Normal	80dB
Strong	105dB
Super Strong	greater than 120dB

IF RESPONSE

Normal	greater than 102dB
Strong	greater than 120dB
Super Strong	greater than 120dB

RF INTERMODULATION

Normal	70dB
Strong	82dB
Super Strong	93dB1

AM SUPPRESSION

greater than 65dB

SEPARATION

	Normal	Narrow	Super Narrow
100Hz	44dB	31dB	28dB
1kHz	61dB	32dB	31dB
6kHz	42dB	28dB	18dB
10kHz	28dB	24dB	14dB

SUBCARRIER PRODUCT REJECTION

70dB

SCAREJECTION

73dB

