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Product ID.Code: M4C8B
(Model No.: MVR2040A)
Brand Name: MEMOREX

TV RECEIVER APPLICATION CHECKLIST

- (X) 1. A statement identifying the production run plan we will be using to show compliance in meeting "TV Receiver, UHF Noise Figures Certification and Compliance Criteria" (July 1982).

: We will use the production run plan C to show compliance in meeting 14dB UHF Noise Figure requirement.

- (X) 2. A statement that NF measurements were made pursuant to OST MP-2, July 1982.

: NF measurements were made pursuant to OST BULLETIN MP-2, July 1982.

- (X) 3. The names of all manufacturing sources for the VHF and UHF tuners as well as the tuner manufacture's part No.

Product ID. Code (Model No.)	VHF/UHF 1 PACK TUNER	
	PART NO.	SOURCE
M4C8B(MVR2040A)	ENG56702G	MATSUSHITA

- (X) 4. UHF and VHF tuner part numbers assigned by the receiver manufacturer.

: There are no tuner part assigned by receiver manufacturer.

(X) 5. Frequency bands tuned by receiver.

VHF : 2 - 13 ch

UHF : 14- 69 ch

CATV : 1 -125 ch(101 - 845MHz)

(X) 6. Pursuant to Section 15.117 of the Rules, a statement specifying the receiver design noise figure, in dB.

: Because TV Tuner built in as part of a video tape recorder which uses a power splitter between the antenna terminals of the video tape recorder and input terminals of the TV Tuner, the limits of Noise Figure, pursuant to section 15.117(g)(4), complies with the limits subtracted 4dB from 14dB.

() 7. The length of the UHF lead, from antenna input terminal to the tuner.

:

(X) 8. A numbered electrical schematic for the receiver.

: Attached

(X) 9. The exact chassis number (MFR'S Model No. instead of chassis No.)
(This number is classified with SUFFIX in order to show voltage difference, Radio band difference and so on.)

: Mfr's No. : M4C8B

()10. Picture tube size in inches.

:

(X)11. Type of receiver - color or black and white.

: Color

(X)12. A description of the cabinet material.

: plastic and metal cover

()13. Copy of all the information submitted with the original certification for the basic receiver.

:Attached

(X)14. A statement that the contribution not exceed 0.3dB for the channel.

$$\Delta F(\text{dB}) = 10 \cdot \log_{10} \left[1 + \frac{F2 - 1}{G1F1} \right]$$

where

F1 : 7.0 dB ----- typical value

F2 : 8.5 dB ----- N.F. indicator (I.F. Noise Figure)
* See ATTACHMENT H 2/4

G1 : 39.0 dB ----- See ATTACHMENT H 2/4

$$\Delta F = 10 \cdot \log_{10} 1.014 = 0.060 \text{ dB}$$

The contribution does not exceed 0.3dB, so, neglected.