

- (7) This model has converter so that playback is possible through ordinary TV sets without any additional accessory.

* Refer to photo 1 a : RF Converter of Type
No. VTUATMDH2-016
(This tuner and the RF converter are built in one body.)

(a) "VHF OUT" channel selection

RF converter channel selection is pre-set to channel 3 at factory.

Reset the channel to 4 if channel 3 is used for the TV broadcasting in your area.

* Refer to photo 2 a : RF Converter Channel
Select Switch

(b) "TV/VCR" Select Switch

The select VIDEO (VCR) mode or TV mode can be made by "TV/VCR" that is provided at the remote control unit, and further, when play mode key is pushed, it selects automatically the VIDEO (VCR) mode.

*Refer to photo 3 a : TV/VCR Selector

(c) Antenna circuit block diagram

* Refer to Attachment 1

(d) RF Converter block diagram

* Refer to Attachment 2 RF Converter Type No.
VTUATMDH2-016

- (8) RF Converter (Type No.: VTUATMDH2-016, Mfr's name : ALPS
ELECTRIC Co., Ltd.)
(This tuner and the RF converter are built in one body.)

(a) Type of emission

Video Modulation Type : A5
Polarity of Video modulation : Negative
Audio Modulation Type : F3, ± 25 kHz, 75 μ sec
preemphasis
Color Standard : NTSC Standard

(b) Frequency range

US CH. No. 3 : 60 MHz - 66 MHz
US CH. No. 4 : 66 MHz - 72 MHz

(c) Range of operating power and description of means provided
for variation of operating power

: Not Application

(d) Maximum power rating as defined in applicable rules :

US CH. No. 3 : 69.5 dB μ
US CH. No. 4 : 69.5 dB μ

(e) The Voltage and Current to Converter : 5 V DC 37 mA

(f) Function of each electrontube, semiconductor or other active
circuit device :

TR1 - TR3 : Switching 2SC4713K(Rohm)
..... 2SC4680(Hitachi)

IC1 : Video Clamper LA7160M(Sanyo)

Video carrier OSC.
Video carrier Limiter
Video Modulation
Audio CH. Converter
Audio Amplifier
4.5 MHz OSC. (Frequency Modulation)
CH. Switching

5. TV RECEIVER APPLICATION CHECK LIST for Model VC-H998U

- (X) (1). A statement identifying the production run plan
you will be using to show
compliance in meeting a 14 dB UHF noise figure -
reference "TV Receiver, UHF noise figure - Certification
and Compliance Criteria" second issue, January 1981).

We will use the same "plan C" of the "TV Receiver UHF noise figure - Certification and Compliance Criteria" for production.

- (X) (2). A statement that NF measurements were made pursuant to OST
Measurement Procedure MP-2, Second Issue, January 1980.
Departure from the procedures of OST Measurement Procedure
MP-2 must be approved by the Chief Scientist or his
designate. Details of any departures from OST Measurement
Procedure MP-2 must accompany the certificate application.

Our measurement were made pursuant to OST Measurement Procedure MP-2 Second Issue, July 1982 for measuring the UHF noise figure.

- (X) (3). The names of all manufacturing sources for the VHF and UHF
tuners as well as the tuner Manufacture's Nos.

Parts Name : TMDH2X016A (VHF & UHF combined in one unit)
Manufacturer's Name : ALPS ELECTRIC Co., Ltd.

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

Parts Name : VTUATMDH2-016 (VHF & UHF combined in one unit)

- (X) (5). Frequency bands tuned by the receiver (i.e., UHF, VHF,
midband, superband, AM/FM, etc.).

VHF (L)	54 - 88 MHz	UHF including CATV(ULTRA)	470 - 806 MHz
(H)	174 - 216 MHz	CATV (LOW/MID)	72 - 174 MHz
		CATV (SUPER)	216 - 300 MHz
		CATV (HYPER)	300 - 474 MHz

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

Refer to Attachment 1.