

EXHIBIT # : 4-1
FCC ID : ACJ927139AH
OUR REF. : MKES00-F012
MODEL NO. : VHQ-451

Technical Specification

Power Source : AC 120 V 60 Hz

Power Consumption : Approx. 23W

Television System : EIA Standard (525 lines, 60 fields) NTSC
Luminance : Frequency modulation
Color Signal : converted sub carrier direct recording

Audio Track : 1 track (Normal) 2 Channels (Hi-Fi Sound)

Tape Format : Tape width 1/2" (12.7 mm), high density tape

Tape Speed : 33.35 mm/sec. at SP mode
16.67 mm/sec. at LP mode
11.12 mm/sec. at SLP mode

Record/Playback Time : 480 min. (max.)

FF/REW Time : Less than 5 min.(T-120)

Heads : Video : 4 rotary heads
Audio : 1 stationary head (Normal)
2 rotary heads (Hi-Fi Sound)
Control : 1 stationary head
Erase : 1 full track

Input Level : Video : Video Input Connector 1.0 V p-p, 75 ohms
Audio : Audio Input Connector -10 dBV, 47 k ohms

Output Level : Video : Video Output Connector 1.0 V p-p, 75 ohms
Audio : Audio Output Connector -8 dBV, 600 ohms

RF Modulated Output : Channel 3 and 4 (selective)

RF Input : Same as conventional TV receiver

Video Horizontal Resolution (on mono scope test pattern) : Color & B/W : More than 230 lines (VHS mode)

Audio Frequency Response : 100 Hz - 8 kHz at SP mode (Normal Audio Sound)
20 Hz-20 kHz (Hi-Fi Audio Sound)

Signal to Noise Ratio : Video : More than 43 dB at SP mode (VHS)
Audio : More than 42 dB at SP mode (Normal)
More than 60 dB (Hi-Fi)

Operating Humidity : 10 % - 75 %

Operating Temperature : 41F -104F (5C -40C)