

MFG/Tuner	Sansui TUX1	Pioneer F26	Kenwood L02T
Supertuner Status	YES	YES	YES
RF FE:	7 gangs	7 gangs	7 gangs
FE Topology	1/2/2/2	1/2/2/2	2/3/2
FE Shield	Yes	Yes	Yes
Antenna Tuning	1 gang	1 gang	2 gangs
Type	varicap	varicap	varicap
1st RF Amp	3SK41	3SK45	3SK108
Tuning	2 gangs	2 gangs	N/A
Type	varicap	varicap	N/A
2nd RF Amp	3SK41	3SK45	N/A
Tuning	2 gangs	2 gangs	3 gangs
Type	varicap	varicap	varicap
Mixer	3SK41	3SK45	2 x 2SK125
Balanced	No	No	Yes
Tuning	2 gangs	2 gangs	2 gangs
Type	varicap	varicap	varicap
Oscillator	Modular -	2SC1906	2 x 2SC710
Buffer 1	Not Disclosed	2SK19	2SK61
Buffer 2	2SC1674	2SK61	2SC2408
IF Filter/Coupler	None	1 LC	1 LC
IF Amp	2SC1674	None	2 x 2SK125
IF Filter/Coupler	4 LC	None	1 LC
IF Amp	None	None	None
IF Filter/Coupler	None	None	None
AGC	Yes	Yes	Yes
Device(s)	2SC1675	2SC945A/2SK55	LA1160 & 2 x 2SA733
Device(s)	N/A	N/A	2 x BA379 & 2 x 2SK125
Stereo 50 db Sensitivity	34.0dbf	35.7dbf	39.2dbf
Stereo S/N	83db	84db	85db
Spurious Rejection	130db	120db	120db
Image Rejection	130db	120db	120db
IF Rejection	130db	120db	120db
RFIM	70db	75db *	100db*
Capture W/N	0.8db/2.0db	0.8db/2.0db	1.0db/3.8db
IF:	Double	Double	Dual Bandwidth Compress
Separate IF or Subs?	Subs	Separate	Unusual Subs
Shield	No	No	No
Buffer	None	2 x 2SK19	None
1st Filter	None	4 LC (Wide)	4 LC (All)
1st IF Amp	uPC1163H (Wide)	2 x HA1201 (Wide)	uPC1163H (All)
Narrow IF Filter	1 SAW (Norm)	1 Ceramic (Norm)	1LC (Narrow)
Narrow IF Amp	uPC555H (Norm)	HA1201 (Norm)	uPC1163 (Narrow)
Narrow IF Filter	1 LC (Norm)	1 Ceramic (Norm)	1LC (Narrow)
Narrow IF Amp	uPC555H (Norm)	HA1201 (Norm)	None
Narrow IF Filter	None	1LC & 1Ceramic (Norm)	None
Narrow IF Amp	None	HA1201 (Norm)	None
Narrow IF Filter	None	1 Ceramic (Norm)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	None	None
2nd Filter	4 LC (All)	1LC & 1SAW (Wide)	1LC (All)
2nd IF Amp	uPC1163H	HA1201 (Wide)	Sub Mxr = MC1496 (All)
3rd Filter	4 LC (All)	1 LC (Wide)	1LC (All)
3rd IF Amp	uPC1163H	1/2 LA1222 (Wide)	uPC1163H (All)
4th Filter	4 LC (All)	1 LC (Wide)	1LC (All)
4th IF Amp	2 x 2SC1675	1/2 LA1222 (Wide)	uPC1163H (All)
5th Filter	GD Equalizer (All)	1 LC (Wide)	1LC (All)
5th IF Amp	2SC1675 (All)	1/2 LA1222 (Wide)	Add Mxr = MC1496 (All)
6th Filter	None	1 LC (Wide)	1LC (All)

MFG/Tuner	Sansui TUX1	Pioneer F26	Kenwood L02T
6th IF Amp	TA7302P (All)	1/2 LA1222 (Wide)	uPC1163H (All)
7th Filter	None	1 LC (Wide)	1LC (All)
7th IF Amp	TA7302P (All)	None	uPC1163H (All)
8th Filter	None	None	1LC (All)
8th IF Amp	None	None	uPC1163H (All)
9th Filter	None	None	1LC (All)
Dual Conversion	No	No	Triple Conversion
2nd Mixer	None	None	See Above
Frequency	None	None	4.5MHz
Oscillator	None	None	See Above
Oscillator Buffer	None	None	N/A
IF Filter	None	None	None
IF Amp	None	None	None
IF Filter	None	None	None
Alt. Selectivity Wide	50db	60db	45db
Alt. Selectivity Normal	80db	80db	80db
Alt. Selectivity Narrow	N/A	N/A	N/A
AM Supression	65db	65db	70db
Detector:	Ratio	PBL - Wide	PLL
Shield	Yes	Yes	No
IF Amp	TA7302P	None	None
IF Filter	1 LC w/GDE	None	None
IF Amp	uPC1163H	None	None
Device(s)	Transformer/Diodes	M5109PR	3 x NJM4560
Buffer	2SK129A	None	None
Buffer	LPF	None	None
Narrow Detector:	Same - See Above	PBL - Narrow	Same - See Above
Shield	Same - See Above	Yes	Same - See Above
Device(s)	Same - See Above	PA3001A	Same - See Above
Multiplex:	IC - PLL - Pilot Cancel	IC - PLL - Pilot Cancel	ICs - S&H - Pilot Cancel
Shield	No	No	No
Device	HA11223W	PA1001A	Entire Page of Devices!
Anti-Birdie Filter	Yes	Yes	Yes
Filter/Output:	ICs	IC	ICs
Device(s)	JRC4558	PA1002A	NJM4560
Device(s)	2 x uPC1190C	N/A	NJM4560
Separation - 1KHz	50db	55db	55db
Separation - 20 - 15KHz	40db	40db	40db
Frequency Response	+0.2/-0.8db	+0.1/-0.3db	+0.2/-0.5db
Distortion - Stereo 1K	0.03%	0.05%	0.006%
Distortion - Stereo 6K	0.05%	0.07%	0.02%
SCA Rejection	75db	65db	75db *
Sub-Carrier Rejection	75db	75db	70db
Power Supply:	Small Transformer	Small Transformer	2 Potted Transformers
Shield	No	No	Yes
Transformer	EI w/end caps	EI w/end caps	EI in can
Regulator(s)	Discrete	Discrete	Discrete
AM:	Yes	No	No
Size: (to nearest inch)	19x8x18	17x3x14	19x6x17
Weight:	35.7#	16.5#	27.3#
Strengths:	IF w/ Group Delay EQ Detector	IF Detector	RF Front End w/low RFIM Detector

MFG/Tuner	Sansui TUX1	Pioneer F26	Kenwood L02T
Strengths:	MPLX Layout	MPLX Cabling Layout	MPLX Power Supply
Weaknesses:	RF Front End -RFIM Audio Stage Power Supply Shielding Cabling	RF Front End -RFIM Audio Stage Power Supply Shielding	IF Audio Shielding Layout Cabling
Appearance:	Large - Black	Small - Silver	Large - Black
RF Performance	Good (18)	Good (18)	Excellent (30)
IF Performance	Excellent (30)	Very Good (24)	Very Good (24)
Det. Performance	Excellent (30)	Excellent (30)	Very Good (24)
MPLX Performance	Very Good (24)	Very Good (24)	Very Good (24)
Construction Quality	Good (18)	Very Good (24)	Good (18)
Overall Score 0 - 150	120	120	120
Overall Rank	2 tie	2 tie	2 tie
RF Score	48	42	54
RF Rank	2 tie	3 tie	1 tie
Audio Score	84	78	72
Audio Rank	1	2	3 tie
RF/AF Average	1.5	2.5	2
Low List Price	\$980	\$1,000	\$1,800
Comments			Unbelievably Complex!!
Note: Scale =			
Excellent (30)			
Very Good (24)			
Good (18)			
Fair (12)			
Poor (6)			

MFG/Tuner	Yamaha CT7000	Tandberg TPT 3001A	Pioneer F28
Supertuner Status	YES	NO	NO
RF FE:	7 gangs	8 gangs	6 gangs
FE Topology	2/2/2/1	1/3/2/2	1/2/2/1
FE Shield	Yes	Yes	Yes
Antenna Tuning	2 gangs	1 gang	1 gang
Type	varicap	varactor	varicap
1st RF Amp	3SK45	BF900	3SK45
Tuning	2 gangs	3 gangs	2 gangs
Type	varicap	varactor	varicap
2nd RF Amp	3SK45	BF900	3SK45
Tuning	2 gangs	2 gangs	2 gangs
Type	varicap	varactor	varicap
Mixer	3SK45	BF900	3SK45
Balanced	No	No	No
Tuning	1 gang	2 gangs	1 gang
Type	varicap	varactor	varactor
Oscillator	2SC710	BF375	2SC1923
Buffer 1	None	BF245	2SK61
Buffer 2	None	BF506	None
IF Filter/Coupler	1 LC	6 LC	1 LC
IF Amp	None	None	None
IF Filter/Coupler	None	None	None
IF Amp	None	None	None
IF Filter/Coupler	None	None	None
AGC	No	Yes	Yes
Device(s)	N/A	2 x BF549	2SC945A/2SK55
Device(s)	N/A	N/A	N/A
Stereo 50 db Sensitivity	36.0dbf	32.1dbf	36.0dbf
Stereo S/N	81db *	92db	81db
Spurious Rejection	120db	125db *	120db
Image Rejection	120db	125db *	120db
IF Rejection	120db	125db *	120db
RFIM	95db	70db *	70db *
Capture W/N	0.7db*/1.3db	0.4db/1.0db/3.0db	0.8db/1.5db
IF:	Double	Triple	Double
Separate IF or Subs?	Separate	Adds	Subs
Shield	Yes	No	No
Buffer	2 x 2SC460	None	2SK19
1st Filter	Ceramic (Wide)	None	1 Ceramic (Wide)
1st IF Amp	uPC577 (Wide)	BF900 & BF199 (All)	TA7302P (Wide)
Narrow IF Filter	Hybrid LC/Cer.(Norm)	None	1 Ceramic (Norm)
Narrow IF Amp	TA7060P/2SC460 (Norm)	BF900 (Normal)	HA1201 (Norm)
Narrow IF Filter	2 - Ceramic (Norm)	6LC (Normal)	1 Ceramic (Norm)
Narrow IF Amp	TA7060P (Norm)	BF900 (Normal)	HA1201 (Norm)
Narrow IF Filter	None	4LC (Normal)	1LC & 1Ceramic (Norm)
Narrow IF Amp	uPC577 (Norm)	BF900 (Normal)	HA1201 (Norm)
Narrow IF Filter	Hybrid LC/Cer.(Norm)	4LC (Normal)	1 Ceramic (Norm)
Narrow IF Amp	2SC460 (follower - Norm)	BF199 (Normal)	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	BF199 (Narrow)	None
2nd Filter	None	1 Ceramic (Narrow)	1LC (Wide)
2nd IF Amp	1 LC (Wide)	BF199 (Narrow)	HA1201 (Wide)
3rd Filter	TA7060P (Wide)	1 Ceramic (Narrow)	1 LC (Wide)
3rd IF Amp	None	BF199 (Narrow)	1/2 LA1222 (Wide)
4th Filter	None	None	1 LC (Wide)
4th IF Amp	None	None	1/2 LA1222 (Wide)
5th Filter	None	None	1 LC (Wide)
5th IF Amp	None	None	1/2 LA1222 (Wide)
6th Filter	None	None	1 LC (Wide)

MFG/Tuner	Yamaha CT7000	Tandberg TPT 3001A	Pioneer F28
6th IF Amp	None	None	1/2 LA1222 (Wide)
7th Filter	None	None	1 LC (Wide)
7th IF Amp	None	None	None
8th Filter	None	None	None
8th IF Amp	None	None	None
9th Filter	None	None	None
Dual Conversion	No	No	No
2nd Mixer	None	None	None
Frequency Oscillator	None	None	None
Oscillator Buffer	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
IF Filter	None	None	None
Alt. Selectivity Wide	27db *	30db	35db
Alt. Selectivity Normal	85db	90db	80db
Alt. Selectivity Narrow	N/A	110db *	N/A
AM Suppression	68db *	70db	65db
Detector:	Ratio	IC Detector	PBL - Wide
Shield	Yes	Yes	No
IF Amp	uPC577H	In IC	None
IF Filter	None	None	None
IF Amp	2SA572W/2SC460	None	None
Device(s)	Transformer/Diodes	TDA1047	M5109PR
Buffer	None	None	None
Buffer	None	None	None
Narrow Detector:	Same - See Above	Same - See Above	Same - See Above
Shield	Same - See Above	Same - See Above	Same - See Above
Device(s)	Same - See Above	Same - See Above	Same - See Above
Multiplex:	Discrete - PLL - NFB	?	IC - PLL - Pilot Cancel
Shield	Yes	No	No
Device	Many Discrete	Many Discrete	PA1001A
Anti-Birdie Filter	No	?	Yes
Filter/Output:	Discrete -	Discrete -	IC
Device(s)	4 Bipolar -	5 Bipolar -	PA1002A
Device(s)	Transistors	Transistors	N/A
Separation - 1KHz	60db	70db	55db
Separation - 20 - 15KHz	40db	50db	40db
Frequency Response	+0.5/-1.0db	+0.2/-0.5db	+0.1/-0.3db
Distortion - Stereo 1K	0.05%	0.03%	0.03%
Distortion - Stereo 6K	0.07%	0.03%	0.07%
SCA Rejection	95db *	95db	65db
Sub-Carrier Rejection	95db *	95db	75db
Power Supply:	Potted Transformer	Small Transformer	Small Transformer
Shield	Yes	No	No
Transformer Regulator(s)	EI in Can Discrete	C Core Discrete	EI w/end caps Discrete
AM:	No	No	No
Size: (to nearest inch)	17x6x13	17x3x14	17x6x15
Weight:	28.6#	15.3#	19.8#
Strengths:	RF Front End w/low RFIM Detector	Detector MPLX	Detector MPLX

MFG/Tuner	Yamaha CT7000	Tandberg TPT 3001A	Pioneer F28
Strengths:	MPLX	Layout	Cabling
	Power Supply		Layout
	Shielding		
	Cabling		
	Layout		
Weaknesses:	IF	RF Front End -RFIM	RF Front End -RFIM
	Audio Stage	IF	IF
		Audio Stage	Audio Stage
		Power Supply	Power Supply
		Shielding	Shielding
		Cabling	
Appearance:	Medium - Silver/Black	Small - Silver/Black	Medium - Silver
RF Performance	Very Good (24)	Good (18)	Good (18)
IF Performance	Good (18)	Good (18)	Good (18)
Det. Performance	Very Good (24)	Very Good (24)	Excellent (30)
MPLX Performance	Excellent (30)	Excellent (30)	Very Good (24)
Construction Quality	Excellent (30)	Very Good (24)	Good (18)
Overall Score 0 - 150	126	114	108
Overall Rank	1	3 tie	4 tie
RF Score	42	36	36
RF Rank	3 tie	4 tie	4 tie
Audio Score	72	72	72
Audio Rank	3 tie	3 tie	3 tie
RF/AF Average	3 tie	3.5 tie	3.5 tie
Low List Price	\$1,200	\$1,100	\$690
Comments		If this had been	
Note: Scale =		designed with a tuning	
Excellent (30)		capacitor and quality IF	
Very Good (24)		Amps instead of	
Good (18)		Varactors and Discrete	
Fair (12)		Bipolar or MOSFET IF	
Poor (6)		Amps it would have	
		been a Supertuner	

MFG/Tuner	Yamaha T2	Kenwood L1000T	Accuphase T107
Supertuner Status	NO	NO	NO
RF FE:	7 gangs	6 gangs	6 gangs
FE Topology	1/2/3/1 (or 3/3/1 RFB)	1/3/2	2/2/2
FE Shield	Yes	Yes	Yes
Antenna Tuning	1 gang	1 gang	2 gangs
Type	varicap	varactor	varactor
1st RF Amp	3SK45	3SK122	3SK73
Tuning	2 gangs	None	None
Type	varicap	None	None
2nd RF Amp	3SK45	None	None
Tuning	3 gangs	3 gangs	2 gangs
Type	varicap	varactor	varicap
Mixer	3SK45	2 x 2SK125	3SK73
Balanced	No	Yes	No
Tuning	1 gang	2 gangs	2 gangs
Type	varicap	varactor	varactor
Oscillator	2SC710	2SK152	2SC460
Buffer 1	2SK61	2SK241	2SK241
Buffer 2	None	2SK241	2SC460
IF Filter/Coupler	1 LC	2 L	1 LC
IF Amp	None	2 x 2SK125	None
IF Filter/Coupler	None	1 LC	None
IF Amp	None	None	None
IF Filter/Coupler	None	None	None
AGC	Yes	Yes	No
Device(s)	2SK61/2SC394	2SA992	N/A
Device(s)	N/A	LA1177	N/A
Stereo 50 db Sensitivity	34.2dbf	38.8dbf	37.0dbf
Stereo S/N	85db	86db	85db
Spurious Rejection	120db	110db	100db
Image Rejection	120db	85db	100db
IF Rejection	120db	110db	100db
RFIM	100db/85db	60db *	80db
Capture W/N	1.0db/1.5db	1.0db/2.5db/3.0db	1.0db/1.5db
IF:	Double	Triple	Double
Separate IF or Subs?	Subs	Subs	Adds
Shield	No	No	None
Buffer	2SC1918 (All)	None	2SK241
1st Filter	Hybrid LC/Cer. (All)	1 Ceramic (All)	1 Ceramic (All)
1st IF Amp	TA7060P/2SC1918 (All)	2 x 2SC1923 (All)	LA1222 (All)
Narrow IF Filter	Hybrid LC/Cer.(Nar)	1 Ceramic (Norm/Nar)	1 Ceramic (Narrow)
Narrow IF Amp	2SC1918 (follower- Nar)	None	LA1222 (Narrow)
Narrow IF Filter	Hybrid LC/Cer.(Nar)	1 Ceramic (Norm/Nar)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	2 Ceramic (Narrow)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	2 Ceramic (Narrow)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	None	None
2nd Filter	None	1 Ceramic (All)	1 Ceramic (All)
2nd IF Amp	uPC577 (All)	4 x 2SC1923 (All)	TA7302P (All)
3rd Filter	Hybrid LC/Cer. (All)	1 LC (Wide)	1 Ceramic (All)
3rd IF Amp	uPC577 (All)	4 x 2SC1923 (All)	uPC 1198 (All)
4th Filter	None	1 LC (Wide)	None
4th IF Amp	None	4 x 2SC1923 (All)	None
5th Filter	None	1 LC (Wide/Norm)	None
5th IF Amp	None	4 x 2SC1923 (All)	None
6th Filter	None	1 LC (Wide/Norm)	None

MFG/Tuner	Yamaha T2	Kenwood L1000T	Accuphase T107
6th IF Amp	None	4 x 2SC1923 (All)	None
7th Filter	None	None	None
7th IF Amp	None	None	None
8th Filter	None	None	None
8th IF Amp	None	None	None
9th Filter	None	None	None
Dual Conversion	No	None	Yes
2nd Mixer	None	None	TA7310P
Frequency	None	None	13.1MHz
Oscillator	None	None	In TA7310P
Oscillator Buffer	None	None	None
IF Filter	None	None	1 LC
IF Amp	None	None	TA7130P
IF Filter	None	None	1LC
Alt. Selectivity Wide	55db	73db	N/A
Alt. Selectivity Normal	N/A	80db	70db
Alt. Selectivity Narrow	100db	95db	100db
AM Supression	68db	80db	80db
Detector:	Ratio	PLL	Pulse Count - Digital
Shield	No	No	No
IF Amp	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
Device(s)	Transformer/Diodes	2 x NJM4565	3 x TC0H04
Buffer	None	None	1 x TC40H386
Buffer	None	None	NE5532
Narrow Detector:	Same - See Above	Same - See Above	Same - See Above
Shield	Same - See Above	Same - See Above	Same - See Above
Device(s)	Same - See Above	Same - See Above	Same - See Above
Multiplex:	IC - PLL - Pilot Cancel	Dual PLL - Pilot Cancel	IC - PLL - Pilot Cancel
Shield	No	No	No
Device	LA3350-3A	Many Discrete	LA3410
Anti-Birdie Filter	No	No	Yes
Filter/Output:	Discrete -	IC	IC
Device(s)	6 Bipolar -	NJM4565	NJM4559
Device(s)	Transistors	NJM4565	N/A
Separation - 1KHz	55db	71db	50db
Separation - 20 - 15KHz	40db	40db	40db
Frequency Response	+0.3/-0.9db	+0.5db/-0.5db	+0.0db/-0.6db
Distortion - Stereo 1K	0.05%	0.008%	0.04%
Distortion - Stereo 6K	0.07%	0.07% *	0.08%
SCA Rejection	63db *	63db *	70db
Sub-Carrier Rejection	72db	72db	80db
Power Supply:	Small Transformer	Small Transformer	Small Transformer
Shield	No	Yes	Yes
Transformer	EI w/end caps	EI in Can	EI no end caps
Regulator(s)	Discrete	IC/Discrete	IC
AM:	No	No	No
Size: (to nearest inch)	17x3x14	17x4x16	17x4x13
Weight:	15.4#	23.1#	12.8#
Strengths:	RF Front End w/low RFIM Detector	Detector MPLX	Detector MPLX

MFG/Tuner	Yamaha T2	Kenwood L1000T	Accuphase T107
Strengths:	MPLX	Power Supply	Power Supply Cabling Layout
Weaknesses:	IF Audio Stage Power Supply Shielding Cabling Layout	RF Front End -RFIM IF Audio Stage Shielding Cabling Layout	RF Front End -RFIM IF Audio Stage Shielding
Appearance:	Small - Black	Medium - Black	Medium - Black
RF Performance	Very Good (24)	Good (18)	Good (18)
IF Performance	Good (18)	Good (18)	Good (18)
Det. Performance	Very Good (24)	Very Good (24)	Very Good (24)
MPLX Performance	Very Good (24)	Very Good (24)	Very Good (24)
Construction Quality	Good (18)	Good (18)	Good (18)
Overall Score 0 - 150	108	102	102
Overall Rank	4 tie	5 tie	5 tie
RF Score	42	36	36
RF Rank	3 tie	4 tie	4 tie
Audio Score	66	66	66
Audio Rank	4 tie	4 tie	4 tie
RF/AF Average	3.5 tie	4 tie	4 tie
Low List Price	\$750	\$1,100	\$1,800
Comments	(RFB) 1st RF Amp bypass mode available	Some have contended that this is a modern L-02t - NOT!	Best Pulse Count Detector that I have seen
Note: Scale =			
Excellent (30)			
Very Good (24)		Tied for 2nd behind Tandberg as best	Tied for 2nd behind Tandberg as best
Good (18)		varactor tuner thus far	varactor tuner thus far
Fair (12)			
Poor (6)			

MFG/Tuner	Pioneer TX9500	Kenwood KT917	Kenwood 600T
Supertuner Status	NO	NO	NO
RF FE:	5 gangs	9 gangs	8 gangs (9 section)
FE Topology	1/2/1/1	2/2/3/2	1/3/3/1
FE Shield	Yes	Yes	Yes
Antenna Tuning	1 gang	2 gangs	1 gang
Type	varicap	varicap	varicap
1st RF Amp	3SK45	CC3588DE	SD306
Tuning	2 gangs	2 gangs	3 gangs
Type	varicap	varicap	varicap
2nd RF Amp	3SK45	2SK125	SD306
Tuning	1 gang	3 gangs	3 gangs
Type	varicap	varicap	varicap
Mixer	3SK39	4 x 1SS97	2 x SD305
Balanced	No	Yes	Yes
Tuning	1 gang	2 gangs	1 gang (2 sections)
Type	varicap	varicap	varicap
Oscillator	2SC710	2SC710	Modular -
Buffer 1	2SC1342	2SC1907	Not Disclosed
Buffer 2	None	2SC1907	2SC381
IF Filter/Coupler	1 LC	None	1 LC
IF Amp	None	2 x 2SC2408	None
IF Filter/Coupler	None	None	None
IF Amp	None	None	None
IF Filter/Coupler	None	None	None
AGC	No	No	No
Device(s)	N/A	N/A	N/A
Device(s)	N/A	N/A	N/A
Stereo 50 db Sensitivity	35.3dbf	37.2dbf	36.8dbf
Stereo S/N	80db *	84db	80db
Spurious Rejection	110db	125db	120db
Image Rejection	110db	125db	120db
IF Rejection	110db	125db	120db
RFIM	65db *	105db*	90db *
Capture W/N	0.9db *	0.8db/1.4db/1.7db	0.8db/1.4db/1.7db
IF:	Single	Triple	Triple
Separate IF or Subs?	N/A - 1 IF	Adds	Separate & Subs
Shield	No	No	Pseudo
Buffer	None	No	2SK55(W/Nor.)/2x 2SC828(Nar.)
1st Filter	2 Ceramic	1 Ceramic + 1L (All)	3 LC (Wide, Norm)
1st IF Amp	HA1211	2SK125 (All)	2SC535/TA7060/2SC535 (W/Nor.)
Narrow IF Filter	None	None	3 LC (Norm-Sub)
Narrow IF Amp	None	LA1222 (Norm/Nar)	2SC535 / TA7060P (Norm-Sub)
Narrow IF Filter	None	1 SAW (Norm/Nar)	2 Ceramic (Narrow-Separate)
Narrow IF Amp	None	LA1222 (Narrow)	TA7060P (Narrow-Separate)
Narrow IF Filter	None	1 SAW (Narrow)	2 Ceramic (Narrow-Separate)
Narrow IF Amp	None	LA1222 (Narrow)	TA7060P (Narrow-Separate)
Narrow IF Filter	None	1 SAW (Narrow)	2 Ceramic (Narrow-Separate)
Narrow IF Amp	None	None	TA7060P (Narrow-Separate)
Narrow IF Filter	None	None	1 LC (Narrow-Separate)
Narrow IF Amp	None	None	TA7060P (Narrow-Separate)
2nd Filter	None	None	1 LC (Wide-Sub)
2nd IF Amp	HA1211	LA1222 (All)	TA7060P (Wide-Sub)
3rd Filter	2 Ceramic	1 SAW (All)	1 LC (Wide, Norm)
3rd IF Amp	HA1211	1/2 LA1222 (All)	TA7060P (Wide, Norm)
4th Filter	1 LC	1 LC (All)	1 LC (all)
4th IF Amp	HA1211	1/2 LA1222 (All)	uPC577H (all)
5th Filter	1 LC	1 LC (All)	1 LC (all)
5th IF Amp	HA1211	1/2 LA1222 (All)	None
6th Filter	1 LC	1 LC (All)	None

MFG/Tuner	Pioneer TX9500	Kenwood KT917	Kenwood 600T
6th IF Amp	HA1211	1/2 LA1222 (All)	None
7th Filter	1 LC	1 LC (All)	None
7th IF Amp	HA1211	None	None
8th Filter	1 LC	None	None
8th IF Amp	None	None	None
9th Filter	None	None	None
Dual Conversion	No	Yes	Yes
2nd Mixer	None	MC1496	2SC1345
Frequency	None	1.96MHz	1.96MHz
Oscillator	None	2SC535	2SC535
Oscillator Buffer	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
IF Filter	None	None	None
Alt. Selectivity Wide	N/A	35db	30db
Alt. Selectivity Normal	N/A	60db	50db
Alt. Selectivity Narrow	90db	85db	110db
AM Supression	60db *	70db	65db
Detector:	PBL - Wide	Pulse Count - Digital	Pulse Count - Digital
Shield	No	No	Yes
IF Amp	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
Device(s)	M5109PR	Too many to list	Too many to list
Buffer	2SA725	None	None
Buffer	2SC1312	None	None
Narrow Detector:	Same - See Above	Same - See Above	Same - See Above
Shield	Same - See Above	Same - See Above	Same - See Above
Device(s)	Same - See Above	Same - See Above	Same - See Above
Multiplex:	IC - PLL - Pilot Cancel	IC - PLL - Pilot Cancel	IC - PLL - Pilot Cancel
Shield	No	No	pseudo
Device	HA1156W	HA11223W	HA1156W
Anti-Birdie Filter	Yes	Yes	Yes
Filter/Output:	Discrete	IC/Discrete	IC/Discrete
Device(s)	4 Bipolar -	?	JRC4558
Device(s)	Transistors	?	2SC1345
Separation - 1KHz	45db *	60db	45db *
Separation - 20 - 15KHz	35db *	40db	35db *
Frequency Response	+0.2db/-1.0db *	+0.2/-0.5db	+0.2db/-0.7db
Distortion - Stereo 1K	0.30% *	0.03%	0.30% *
Distortion - Stereo 6K	0.45% *	0.05%	0.45% *
SCA Rejection	75db	75db	75db
Sub-Carrier Rejection	70db	73db	70db
Power Supply:	Transformer	Transformer	Potted Transformer
Shield	No	No	Yes
Transformer	EI w/end caps	EI w/end caps	EI in can
Regulator(s)	Discrete	IC/Discrete	IC/Discrete
AM:	Yes	No	No
Size: (to nearest inch)	17x6x14	18x6x16	17x6x15
Weight:	20#	33.1#	25.4#
Strengths:	Detector Cabling	RF Front End w/low RFIM MPLX	RF Front End w/low RFIM IF

MFG/Tuner	Pioneer TX9500	Kenwood KT917	Kenwood 600T
Strengths:	Layout	Power Supply	Power Supply Shielding Layout
Weaknesses:	RF Front End -RFIM IF MPLX Audio Stage Power Supply Shielding	IF Detector Audio Shielding Layout Cabling	Detector MPLX Audio Cabling
Appearance:	Medium - Silver	Large - Silver	Medium - Silver
RF Performance	Fair (12)	Excellent (30)	Good (18)
IF Performance	Good (18)	Good (18)	Very Good (24)
Det. Performance	Excellent (30)	Good (18)	Good (18)
Audio Performance	Good (18)	Very Good (24)	Good (18)
Construction Quality	Good (18)	Good (18)	Very Good (24)
Overall Score 0 - 150	96	108	102
Overall Rank	6 tie	4 tie	5 tie
RF Score	30	48	42
RF Rank	5 tie	2 tie	3 tie
Audio Score	66	60	60
Audio Rank	4 tie	5 tie	5 tie
RF/AF Average	4.5 tie	3.5 tie	4 tie
Low List Price	\$400	\$1,000	\$650
Comments			
Note: Scale =			
Excellent (30)			
Very Good (24)			
Good (18)			
Fair (12)			
Poor (6)			

MFG/Tuner	Accuphase T100	Kenwood L01T	Pioneer TX9100
Supertuner Status	NO	NO	NO
RF FE:	5 gangs	7 gangs	5 gangs
FE Topology	2/2/2001	1/1/3/2 (or 3/2 RFB)	1/2/1/1
FE Shield	Yes	Yes	Yes
Antenna Tuning	2 gangs	1 gang	1 gang
Type	varicap	varicap	varicap
1st RF Amp	3SK41	CC3588DE	3SK45
Tuning	None	1 gang	2 gangs
Type	None	varicap	varicap
2nd RF Amp	None	2SK125	3SK45
Tuning	2 gangs	3 gangs	1 gang
Type	varicap	varicap	varicap
Mixer	3SK35	2 x 2SK125	3SK39
Balanced	No	Yes	No
Tuning	1 gang	2 gangs	1 gang
Type	varicap	varicap	varicap
Oscillator	2SC785	Modular -	2SC710
Buffer 1	2SC785	Not Disclosed	2SC1342
Buffer 2	None	2SC2408	None
IF Filter/Coupler	1 LC	1 LC	1 LC
IF Amp	None	2 x 2SK125	None
IF Filter/Coupler	None	1 LC	None
IF Amp	None	8x 1S1555 & 2x 2SK125	None
IF Filter/Coupler	None	1 LC	None
AGC	No	No	No
Device(s)	N/A	N/A	N/A
Device(s)	N/A	N/A	N/A
Stereo 50 db Sensitivity	36.5dbf	37.2dbf	35.3dbf
Stereo S/N	70db	80db	80db *
Spurious Rejection	100db	120db	110db
Image Rejection	100db	120db	110db
IF Rejection	100db	120db	110db
RFIM	65db *	70/80db *	65db *
Capture W/N	1.5db	0.9db/2.5db	0.9db *
IF:	Single	Double	Single
Separate IF or Subs?	N/A - 1 IF	Adds	N/A - 1 IF
Shield	Yes	None	Yes
Buffer	None	None	None
1st Filter	None	1 Ceramic / T-former (All)	2 Ceramic
1st IF Amp	TA7045	2SK125 (All)	TA7060P x 2
Narrow IF Filter	None	1 Ceramic (Normal)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	1 Ceramic (Normal)	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	None	None
Narrow IF Filter	None	None	None
Narrow IF Amp	None	None	None
2nd Filter	5 LC	1 LC (All)	2 Ceramic
2nd IF Amp	TA7045	TA7060P (All)	TA7060P
3rd Filter	5 LC	1 LC (All) (Norm Add)	None
3rd IF Amp	TA7045	None	TA7061P
4th Filter	5 LC	1 Transformer (All)	None
4th IF Amp	TA7045	2SK125 (All)	None
5th Filter	None	1 LC (All)	None
5th IF Amp	TA7045	TA7060P (All)	None
6th Filter	None	1 Ceramic (All)	None

MFG/Tuner	Accuphase T100	Kenwood L01T	Pioneer TX9100
6th IF Amp	TA7045	LA1231	None
7th Filter	None	None	None
7th IF Amp	None	None	None
8th Filter	None	None	None
8th IF Amp	None	None	None
9th Filter	None	None	None
Dual Conversion	No	Yes	No
2nd Mixer	None	2SC1342/AN610 - IC	None
Frequency	None	.4MHz (Some @2.4MHz)	None
Oscillator	None	2SC1342	None
Oscillator Buffer	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
IF Filter	None	None	None
Alt. Selectivity Wide	N/A	55db	N/A
Alt. Selectivity Normal	75db	70db	N/A
Alt. Selectivity Narrow	N/A	N/A	90db
AM Supression	67db	65db	65db
Detector:	Ratio	Pulse Count - Digital	Ratio
Shield	Yes	No	Yes
IF Amp	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
Device(s)	Transformer/Diodes	TR4010A - IC	Transformer/Diodes
Buffer	TA7502M	None	2SK30A
Buffer	None	None	2SA725
Narrow Detector:	Same - See Above	Same - See Above	Same - See Above
Shield	Same - See Above	Same - See Above	Same - See Above
Device(s)	Same - See Above	Same - See Above	Same - See Above
Multiplex:	IC - PLL	IC - PLL - Pilot Cancel	IC - PLL
Shield	Yes	No	Yes
Device	MC1310P	HA11223W	MC1310P
Anti-Birdie Filter	No	Yes	Yes
Filter/Output:	Discrete	IC/Discrete	Discrete
Device(s)	9 Bipolar -	NJM4560D	1 FET & 5 Bipolar -
Device(s)	Transistors	2SA684/2SC1384	Transistors
Separation - 1KHz	50db	60db	50db *
Separation - 20 - 15KHz	40db	48db	42db *
Frequency Response	+0.5/-1.5db	+0.5db/-0.5db	+0.2db/-0.9db *
Distortion - Stereo 1K	0.05%	0.03%	0.30%
Distortion - Stereo 6K	0.15%	0.05%	0.18%
SCA Rejection	70db	75db	65db *
Sub-Carrier Rejection	80db	70db	70db *
Power Supply:	Potted Transformer	2 Potted Transformers	Transformer
Shield	Yes	Yes	No
Transformer	EI in can	EI in can	EI w/end caps
Regulator(s)	Discrete	Discrete	Discrete
AM:	Yes	No	Yes
Size: (to nearest inch)	17x6x14	17x5x18	17x5x14
Weight:	30.8#	20.0#	24#
Strengths:	IF Detector	MPLX Power Supply	Detector Shielding

MFG/Tuner	Accuphase T100	Kenwood L01T	Pioneer TX9100
Strengths:	Power Supply Shielding Cabling Layout	Cabling	Cabling Layout
Weaknesses:	RF Front End -RFIM MPLX Audio Stage	RF Front End -RFIM IF Detector Audio Stage Shielding Layout	RF Front End -RFIM IF MPLX Audio Stage Power Supply
Appearance:	Medium - Gold	Medium - Black	Medium - Silver
RF Performance	Fair (12)	Good (18)	Fair (12)
IF Performance	Very Good (24)	Very Good (24)	Good (18)
Det. Performance	Good (18)	Fair (12)	Very Good (24)
Audio Performance	Good (18)	Very Good (24)	Good (18)
Construction Quality	Excellent (30)	Good (18)	Excellent (30)
Overall Score 0 - 150	102	96	102
Overall Rank	5 tie	6 tie	5 tie
RF Score	36	42	30
RF Rank	4 tie	3 tie	5 tie
Audio Score	60	60	60
Audio Rank	5 tie	5 tie	5 tie
RF/AF Average	4.5 tie	4 tie	5
Low List Price	\$700	\$1,200	\$350
Comments		(RFB) 1st & 2nd RF Amp bypass mode available BUT should have retained 2 gangs like the Yamaha T2 did. RF would have been superb	
Note: Scale =	Excellent (30) Very Good (24) Good (18) Fair (12) Poor (6)		

MFG/Tuner	Technics ST-9030	Pioneer TX9500/II	Technics ST9700
Supertuner Status	NO	NO	NO
RF FE:	8 gangs	5 gangs	9 gangs
FE Topology	2/2/2/2	1/2/1/1	2/2/2/3
FE Shield	Yes	Yes	Yes
Antenna Tuning	2 gangs	1 gang	2 gangs
Type	varicap	varicap	varicap
1st RF Amp	3SK40	3SK45	
Tuning	2 gangs	2 gangs	2 gangs
Type	varicap	varicap	varicap
2nd RF Amp	3SK40	3SK45	
Tuning	2 gangs	1 gang	2 gangs
Type	varicap	varicap	varicap
Mixer	2 x 3SK40	3SK39	
Balanced	Yes	No	Yes
Tuning	2 gangs	1 gang	3 gangs
Type	varicap	varicap	varicap
Oscillator	2SC1675	2SC710	
Buffer 1	2SK49	2SC1342	
Buffer 2	None	None	
IF Filter/Coupler	1 LC	1 LC	
IF Amp	None	None	
IF Filter/Coupler	None	None	
IF Amp	None	None	
IF Filter/Coupler	None	None	
AGC	No	No	
Device(s)	N/A	N/A	
Device(s)	N/A	N/A	
Stereo 50 db Sensitivity	38.1dbf	35.3dbf	37.5dbf
Stereo S/N	77db	80db *	83db *
Spurious Rejection	135db	110db	140db
Image Rejection	135db	110db	140db
IF Rejection	135db	110db	140db
RFIM	100db *	65db *	105db *
Capture W/N	0.8db/2.0db	0.8db/2.0db	0.8db/1.5db
IF:	Double	Double	Double
Separate IF or Subs?	Separate	Separate	Separate
Shield	None	None	Yes
Buffer	2SC829 (Narrow)		
1st Filter	None		
1st IF Amp	uPC577		
Narrow IF Filter	4 Ceramic (Narrow)		
Narrow IF Amp	uPC555 (Narrow)		
Narrow IF Filter	None		
Narrow IF Amp	uPC555 (Narrow)		
Narrow IF Filter	4 Ceramic (Narrow)		
Narrow IF Amp	AN377 (Narrow)		
Narrow IF Filter	None		
Narrow IF Amp	2 x 2SC829 (Narrow)		
Narrow IF Filter	None		
Narrow IF Amp	None		
2nd Filter	4 LC		
2nd IF Amp	uPC555		
3rd Filter	None		
3rd IF Amp	uPC555		
4th Filter	None		
4th IF Amp	2 x 2SC829		
5th Filter	None		
5th IF Amp	None		
6th Filter	None		

MFG/Tuner	Technics ST-9030	Pioneer TX9500/II	Technics ST9700
6th IF Amp	None	None	
7th Filter	None	None	
7th IF Amp	None	None	
8th Filter	None	None	
8th IF Amp	None	None	
9th Filter	None	None	
Dual Conversion	No	No	No
2nd Mixer	None	None	None
Frequency Oscillator	None	None	None
Oscillator Buffer	None	None	None
IF Filter	None	None	None
IF Amp	None	None	None
IF Filter	None	None	None
Alt. Selectivity Wide	25db	35db	45db
Alt. Selectivity Normal	N/A	N/A	75db
Alt. Selectivity Narrow	90db	90db	N/A
AM Supression	58db	65db	65db *
Detector:	Ratio	PBL - Wide	Ratio
Shield	No	No	Yes
IF Amp	None	None	
IF Filter	None	None	
IF Amp	None	None	
Device(s)	Transformer/Diodes	M5109PR	Transformer/Diodes
Buffer	None	2SA725	
Buffer	None	2SC1312	
Narrow Detector:	Ratio	Same - See Above	
Shield	No	Same - See Above	
Device(s)	Transformer/Diodes	Same - See Above	
Multiplex:	IC - PLL - Pilot Cancel	IC - PLL - Pilot Cancel	IC - PLL - Pilot Cancel
Shield	No	No	Yes
Device	AN363		
Anti-Birdie Filter	Yes		
Filter/Output:	IC/Discrete	IC	
Device(s)	2SC945	PA1002A	
Device(s)	NJM4558	N/A	
Separation - 1KHz	50db	50db *	45db
Separation - 20 - 15KHz	30db *	40db	35db *
Frequency Response	+0.2db/-0.8db	+0.2db/-0.5db	+0.2db/-0.8db
Distortion - Stereo 1K	0.08%	0.03%	0.08%
Distortion - Stereo 6K	1.6% *	0.10%	1.6% *
SCA Rejection	75db *	65db *	75db *
Sub-Carrier Rejection	70db	77db	70db
Power Supply:	Small Transformer	Transformer	Transformer
Shield	No	Yes	Yes
Transformer Regulator(s)	EI no end caps Discrete	EI no end caps Discrete	EI no end caps Discrete
AM:	No	Yes	No
Size: (to nearest inch)	18x4x15	17x6x16	18x7x15
Weight:	16.3#	21#	
Strengths:	RF Front End w/low RFIM IF	IF Detector	RF Front End w/low RFIM IF

MFG/Tuner	Technics ST-9030	Pioneer TX9500/II	Technics ST9700
Strengths:	Detector	MPLX - ?	Detector
		Cabling	Shielding
		Layout	Cabling
			Layout
Weaknesses:	MPLX	RF Front End -RFIM	MPLX
	Audio Stage	Audio Stage	Audio Stage
	Power Supply	Power Supply	Power Supply
	Shielding		
	Cabling		
	Layout		
Appearance:	Small - Brown	Medium - Silver	Large - Brown
RF Performance	Excellent (30)	Fair (12)	Excellent (30)
IF Performance	Good (18)		Very Good (24)
Det. Performance	Very Good (24)	Excellent (30)	Very Good (24)
Audio Performance	Fair (12)		Fair (12)
Construction Quality	Fair (12)	Good (18)	Excellent (30)
Overall Score 0 - 150	96		120
Overall Rank	6 tie		2 tie
RF Score	48		54
RF Rank	2 tie		1 tie
Audio Score	54		60
Audio Rank	7		5 tie
RF/AF Average	4.5 tie		3 tie
Low List Price	\$450	\$400	\$2,000
Comments	Tuner can be used	The following two	Tuner must be bought
	via detector output	tuners are not ranked	in Japan and be
Note: Scale =	to a modern SOTA	because of incomplete	substantially modified
Excellent (30)	MPLX/Audio section	data.	in order to work here.
Very Good (24)	for virtually SOTA		No European version
Good (18)	performance for about		or American version
Fair (12)	\$350 and some effort		existed
Poor (6)	and knowledge		