

Device Under Test	Noise Floor (dBm)	AGC Threshold (V)	dB	100kHz Blocking (dB)	Sensitivity (uV)	LO Noise Spacing (dBc/Hz)	kHz	Front End Selectivity	Filter Ultimate (dB)	Dynamic Range Wide Spaced (dB)	kHz	Dynamic Range Narrow Spaced (dB)	kHz	OEE	Best MDS	Best Blocking	Best LO Noise	Best Filter U	Best DR 20	Best DR 2
															-146	146	147	130	110	105
Added 10/02/12 Hilberling PT-8000A	-128	5.4 1.0b	3	142	0.45		10	A Trk Presel	100	105	20	105	2	57.93%	Collins 75-53B	Drake TR7	Perseus	Drake R-4C/CF-600/6	Icom R9500	Hilberling PT 8000A
Added 08/10/12 Elecraft KX3	-123	12	3	138	0.9			B Band Pass	110	105	20	96	2	57.60%						
Added 12/01/10 Yaesu FTdx-5000D	-123	4.6 1.2b 0.33b1	3	127	1.1 0.27b 0.13b1	135	10	B Band Pass	90	104	20	95	2	39.86%						
Added 2/15/08 Elecraft K3	-130	2.1 0.6b	3	140	0.33 0.19b	138	10	B Band Pass	105	104	20	95	2	55.38%						
Updated 7/2/09 Perseus	-123 -125b	0.15 0.4b	3	125	0.8 0.6b	147	10	B Band Pass	109	99	20	99	2	51.32%						
Added 2/15/08 FlexRadio Systems FLEX-5000A	-123 -135b	2.0 0.5b	3	123	1.3 0.3b			B Band Pass	98	96	20	96	2	35.72%						
Added 4/16/06 Ten-Tec Orion II	-125 -133b	2.7 0.65b	3	130	0.75 0.3b	126	10	B Band Pass	100	95	20	95	2	39.28%						
Updated 4/17/06 Ten-Tec Orion	-127 -135b		3	137	0.6 0.25b	130	10	B Band Pass	100	96	20	93	2	42.92%						
Added 11/10/10 Ten-Tec Eagle	-124 -132b	2.5 0.6b	3	135	0.7 0.3b	131	10	B Band Pass	90	93	20	90	2	35.11%						
Added 8/20/09 FlexRadio Systems FLEX-3000	-123 -139b	2.1 0.13b	3	116	1.35 0.16b	120	10	B Band Pass	90	90	20	Narrow Spaced	2	#VALUE!						
Added 12/30/10 Kenwood Down-conversion TS-590S on 20 meters	-128 -137b	1.8 0.5b	3	144	0.43 0.15b	140	10	B Band Pass	92	104	20	88	2	46.18%						
Added 12/30/10 For Comparison Kenwood Up-conversion TS-590S on 17 meters	-132 -139b	1.4 0.42b	3	133	0.28 0.13b	140	10	B Band Pass	NA	102	20	76	2	NA						
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Added 02/26/11 FlexRadio Systems FLEX-1500	-116 -120b -129b -121b -136b1	3.1 1.0b	3	108	2.8 1.4b 0.3b1	131	10	B Band Pass	95	88	20	88	2	25.66%						
Added 2/15/08 Icom R9500	-127 -130b -135b1	1.1 0.25b 0.16b1	3	119	0.7 0.2b 0.11b1	134	10	B Band Pass	80	110	20	85	2	32.20%						
Drake R-4C/CF-600/6	-138	0.7	3	130	0.15	135	10	A-Preselector	130	85	20	84	2	47.78%						
AOR AR-7030	-122 -128b	0.5 0.22b	3	130	0.22	130	10	D Hi/Lo Pass	90	100	20	82	2	32.34%						
Added 4/16/06 Icom IC-765	-134 -140b	5.0 1.7b	3	143	0.26	130	10	B Band Pass	95	102	20	81	2	41.56%						
Atlas 350-XL	-131	1.0	11	117	0.2	125	4	C Band Pass	95	81	20	81	2	25.38%						
Kenwood TS-820/YK88	-129	1.5	3	122	0.1	114	2	C Preselector	85	84	20	81	2	22.05%						
Added 4/23/07 Ten-Tec Omni VII	-130 -140b	0.8 0.2b	3	130	0.45 0.17b	124	10	B 0.5 Octave	100	92	20	80	2	32.78%						
Added 10/3/04 Icom IC-7800	-126 -136b -139b1	4.5 1.2b 0.6b1	3	135	0.60 0.15b 0.10b1	130	10	A Trk Presel	100	102	20	80	2	38.35%						
Added 10/3/04 Elecraft K2 s/n:3170	-129 -136b	10 1.7b	15	123 134b	0.35 0.20	123	10	B Band Pass	80	98	20	80	2	26.02%						
Added 2/27/04 Ten-Tec Omni V+	-135	0.7	3	145	0.2	137	20	B Band Pass	80	97	20	80	2	35.39%						
Device Under Test	Noise Floor (dBm)	AGC Threshold (V)	dB	100kHz Blocking (dB)	Sensitivity (uV)	LO Noise Spacing (dBc/Hz)	kHz	Front End Selectivity	Filter Ultimate (dB)	Dynamic Range Wide Spaced (dB)	kHz	Dynamic Range Narrow Spaced (dB)	kHz	OEE						
Yaesu 901-DM	-135	1.6	3	124	0.15	109	2	C Preselector	85	87	20	80	3	22.94%						
Added 8/10/12 Yaesu FT-950	-120 -132b -138b1	4.5 1.2b 0.5b1	3	125	1.1 0.31b 0.15b1	125	10	B	80	105	20	79	2	26.45%						
Collins R-390A	-137	n.a.		130	0.2	130	2	A+ Trk Presel	85	81	20	79	2	26.77%						
Ten-Tec Corsair	-131	0.1	14	130	0.2	132	5	C Band Pass	90	93	20	79	3	31.59%						
Added 9/3/09 Icom IC-7600	-130 -138b -141b1	5.3 2.35b 1.13b1	3	126	0.43 0.16b 0.11b1	121	10	B	78	100	20	78	2	25.63%						
Added 8/25/11 Icom	-135 -142b	2.9 1.35b			0.3 0.12b									27.97%						

IC-7410	-144b1	0.5b1	3	135	0.1b1	121	10	B	75	102	20	78	2	
Icom IC-720A	-137	1.6	3	138	0.15	117	10	C 0.5 Octave	80	93	50	78	3	27,28%
Kenwood TS-820S	-137	0.4	3	115	0.2	125	10	Preselector	80	79	20	78	3	20,63%
Updated 4/17/06 Kenwood TS-850 Inrad-400s	-128	2.2	3	128	0.45					90	20	77	2	NA
JRC NRD-515	-138	3.5	4	103	0.1	118	10	C 0.8 Octave	80	95	20	77	2	20,86%
Added 12/30/10 Kenwood Up-conversion TS-590S on 17 meters	-132	1.4			0.28									NA
	-139b	0.42b			0.13b									
Ten-Tec Omni V	-134	1.2	6	135	0.18	134	10	B Band Pass	92	102	20	76	2	34,85%
Atlas 210/215X	-120a	n.a.		123	0.5	n.a.		C Band Pass	95	76	20	76	2	NA
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Corrected 4/7/06 Icom 756 Pro III	-132	2.3	3	142	0.35	126	10	B 0.5 Octave	80	99	20	75	2	29,82%
	-140b	0.7			0.14									
	-142b1	0.3			0.11									
Added 4/7/06 Icom 756 Pro II	-133	2.1	3	138	0.32	124	10	B 0.5 Octave	80	98	20	75	2	28,44%
	-138b	0.65			0.15									
	-141b1	0.26			0.11									
Drake R-7	-135	1.0			0.28			B 0.5 Octave	85	97	100	75	2	29,33%
	-140b	0.4b	3	145	0.15b	114	10	B 0.5 Octave	90	99	100	75	2	32,23%
Drake TR-7	-134	1.3	3	146	0.5	116	10	C Band Pass	75	79	20	75	4	NA
Heath SB-104	-123	n.a.		92	0.5	n.a.		D Wideband	80	99	20	75	5	23,04%
WJ HF-1000	-129		3	123	0.23	115	10	C Octave	80	87	20	74	2	23,65%
Added 4/7/06 Icom 706MKIIG	-135	1.9	3	126	0.23	127	10	C Octave	80	87	20	74	2	23,65%
	-140b	0.6			0.12									
Ten-Tec Omni-B Icom IC-730	-136	0.2	25	129	0.15	130	10	C Preselector	80	87	20	74	2	24,97%
	-140	1.5	3	135	0.1	118	10	C 0.5 Octave	80	92	50	74	3	25,82%
Kenwood R-820S	-125	4.0	3	125	0.35	123	10	C Preselector	75	74	20	74	4	16,78%
Collins 75-53B Icom IC-781	-146	1.1	15	122	0.1	120	4	B+ Preselector	85	88	20	74	2	25,15%
	-127	2.0			0.5			B 0.5 Octave	90	94	20	73	2	28,17%
	-138b	0.5b	3	131	0.18b	129	10	B 0.5 Octave	90	94	20	73	2	28,17%
Updated 4/18/06 Stock 781	-128	2.4			0.5			B 0.5 Octave	90	98	20	78	2	NA
	-135b	0.7b	3	131	0.22b									
Updated 4/18/06 781 with Pin Diodes	-126	3.6			0.54			B 0.5 Octave	90	98	20	72	2	NA
	-134b	1.15b	3	134	0.21b									
Kenwood TS-930S Icom IC-701	-135	2.0	3	143	0.15	115	10	B- 0.5 Octave	80	86	20	73	3	23,70%
	-129	5.5	6	130	0.3	125	10	C Band Pass B+	75	81	50	73	4	19,76%
Collins 75S-3C	-141	1.3	12	121	0.14	120	4	Preselector	95	85	20	72	2	25,30%
Kenwood TS-480HX Without CW Xtal Filter	-135	3.0			0.28			B 0.5 Octave	80	99	20	72	3	28,11%
	-143b	0.6b	3	142	0.11b	121	10	B Trk Presel	65	95	50	72	5	18,41%
JRC NRD-525	-132	0.9	3	123	0.2	120	10	B Trk Presel	65	95	50	72	5	27,78%
Updated 4/13/09 Yaesu FT-1000 MP MKV Field Inrad roofing filter mod	-133	3.0b	3	135	0.2b	128	10	B 0.5 Octave	90	89	20	71	2	24,87%
	-127	3.5			0.55									
	-136b	1.0b			0.21b									
	-139b1	0.5b1	3	132	0.14b1	127	10	B 0.5 Octave	90	86	20	71	2	19,49%
Drake R-8	-128	0.6			0.25			C 0.5 Octave	75	85	20	71	5	19,49%
	-131ab	0.3	3	130	0.18b	115	10	B 0.5 Octave	90	86	20	71	2	24,87%
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Icom IC-R72	-127	3.1			0.28			C 0.5 Octave	75	87	20	71	5	19,68%
	-135a	1.2b	3	129	0.11b	122	10	B 0.5 Octave	90	93	20	71	5	27,32%
Icom R-9000	-131	0.8	3	129	0.15	128	10	Octave	90	93	20	71	5	22,16%
Added 2/27/04 Elecraft K2 s/n: 1140	-135	2.6	15	118	0.22	123	10	B Band Pass	80	95	20	70	2	17,25%
JRC NRD-535	-135	0.9	3	114	0.1	117	10	B Trk Presel	70	92	50	70	5	18,75%
Kenwood TS-830S Icom IC-761	-136	0.9	3	122	0.1	113	2	C Preselector	80	84	20	70	3	28,55%
	-131	2.0			0.4			B- 0.5 Octave	90	87	20	70	2	26,40%
	-139b	0.7b	3	145	0.17b	129	10	C 0.5 Octave	90	95	20	69	2	26,69%
Added 4/16/06 Kenwood TS-870S	-127	1.9			0.5	121	10	C 0.5 Octave	90	95	20	69	2	26,69%
	-137b	0.44b	3	137	0.2b	128	10	B 0.5 Octave	90	88	20	69	2	24,10%
Added 10/3/04 Yaesu FT-1000 MP MKV Field	-133	3.0b	3	135	0.2b	128	10	B 0.5 Octave	90	88	20	69	2	24,10%
	-133	3.0b	3	135	0.2b	128	10	B 0.5 Octave	90	88	20	69	2	24,10%
Added 10/3/04 Yaesu								B 0.5 Octave						24,10%

FT-1000 D	-128	6.0b1	3	131	0.3b1	121	10	Octave	90	90	20	69	2	
Lowe HF-150	-126	0.7	3	126	0.3	113	10	F No Bandpass	75	84	20	69	5	16,58%
Kenwood TS-430S	-136	0.6	3	134	0.1	102	10	C 0.5 Octave	70	78	20	69	5	14,88%
Added 10/3/04 Yaesu FT-1000 MP JRC	-125	3.8			0.48			B 0.5 Octave	90	97	20	68	2	27,25%
NRD 545	-130	2.0	6	127	0.2	118	10	B 0.5 Octave	65	96	100	68	5	17,57%
Signal/One CX-11A	-122	0.6	17	109	0.6	119	50	C 0.5 Octave	105	90	50	68	5f	21,61%
Kenwood TS-180S	-139	0.9	3	115	0.15	120	10	C Preselector	80	70	20	68	3	15,53%
Drake TR-4C	-124	1.2	3	105	0.4	130	10	C Preselector	80	74	20	68	2	14,48%
Icom IC-735	-126	1.5	12	135	0.35	123	10	C 0.5 Octave	90	83	20	68	2	22,59%
Added 1/21/04 Icom IC-R75	-123	3.5			0.5			B 0.5 Octave	80	95	50	67	5	17,27%
Drake SW8	-127	0.9	3	119	0.32	113	10	N.A.	70	92	20	67	5	16,45%
Racal 6790 GM	-128	0.3	1	145	0.7	130	10	D Broadband	85	95	20	66	2	27,33%
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Lowe HF-235	-126	0.8	3	129	0.35	117	10	D Octave	80	71	20	66	5	15,15%
AOR AR3030	-131	2.0	10	130	0.16	117	10	C 0.5 Octave	85	90	20	66	5	21,38%
Yaesu FRG-100	-133	0.9	3	127	0.13	112	10	C 0.5 Octave	70	99	50	65	5	18,11%
Kenwood R-5000	-131	0.4	3	134	0.2	120	10	C 0.5 Octave	80	86	20	65	5	20,02%
Added 2/27/04 Palstar R-30	-123	2.6	3	130	0.35	116	10	C Octave	90	88	20	64	5	19,98%
Yaesu FRG-7700	-130	1.3	3	123	0.2	100	10	D Octave	65	83	50	64	5c	11,73%
Kenwood R-1000	-130	0.9	3	119	0.2	107	10	D Octave	70	76	20	64	3c	11,98%
Heath SB-303	-134	N.A.		104	0.5	N.A.		C Preselector	70	66	20	64	4	NA
Collins KWM-380	-127	1.1	5	123	0.3	99	10	B 0.5 Octave	70	94	50	64	2	13,84%
Icom IC-751	-127	6.3	3	138	0.4	127	10	B-0.5 Octave	90	84	20	64	2	22,89%
Added 3/27/06 Icom 7000	-129	4.5	3	119	0.45	122	10	C Octave	65	90	20	63	2	14,67%
Added 9/22/07 Yaesu FT-2000	-122	5	3	120	1.0	122	10	B+ Bandpass + Trk	80	81	20	63	2	15,50%
Kenwood TS-520	-139	N.A.		116	0.15	N.A.		C Preselector	70	63	20	63	3	NA
Yaesu FT-One	-135	1.0	3	130	0.2	99	10	C 0.5 Octave	80	91	50	63	2	16,94%
Collins 75-S3 Wing JRC	-145	1.0	14	105	0.1	N.A.		B Preselector	75	75	20	63	3	NA
NRD 93	-141	1.6	3	128	0.15	133	10	A+ Trk Presel	80	94	20	63	2	24,17%
Yaesu FT-980	-136	1.8	3	140	0.12	106	10	C 0.5 Octave	62	96	50	63	2	16,09%
Icom IC-R70/R-71A	-129	3.1			0.4			B-0.5 Octave	90	86	20	62	3	22,23%
Grundig Satellite 700	-127	1.6	3	106	0.3	118	10	N.A.	85	76	20	62	5	13,52%
KWZ-30	-130	1.0	3	120	0.8	118	10	d	80	100	20	60	5	18,78%
Collins 5151	-134	1.0	7	117	0.13	146	10	A Trk Presel	100	84	100	60	5	24,52%
Icom R-8500	-135	0.45	3	132	0.11	131	10	B 0.5 Octave	75	81	20	59	5	17,78%
Yaesu FT-101E	-141	N.A.		102	0.15	N.A.		C Preselector	70	60	20	59	3	NA
Drake R-4C Stock	-139	0.7	3	130	0.15	135	10	A- Preselector	70	85	20	58	2	17,89%
Yaesu FT-757	-120	1.6	3	130	0.15b	109	10	C 0.5 Octave	70	86	20	56	3	12,18%
Ten-Tec 340	-123	0.5	3	109	0.4	113	10	B 0.5 Octave	70	93	100	46	5	9,64%
Kenwood R-2000	-130	1.4	3	115	0.15	105	10	D Octave	70	71	20	45	5	7,46%
Kenwood R-600	-130	0.8	3	109	0.2	99	10	D Octave	65	68	20	F.L.	5	NA
Yaesu FRG-8800	-132a	0.6	3	122	0.18	N.A.		D Octave	70	87	20	F.L.	5	NA
AOR 5000	-124	0.9	3	118	0.2	103	10	B 0.5 Octave	60	58	50	f	5	NA
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