

# 1978-2004 Product Review HF transceivers by ARRL Lab.

## Legend

X - Unknown, NM - Not Measured, NL - Noise Limited, 5 kHz - RF gen. space, in other cases = 20kHz,  
 Pre - Preampifier, MDS - Minimum Discernible Signal, BDR - Blocking Dynamic Range,  
 3rd IMD - Two-Tone 3rd-Order Dynamic Range, IP3 - Third Order Intercept Point,  
 IP2 - Second Order Intercept Point, Hard to understand! Updated 10may 2004

## Alinco

MHz	* - Measurement was noise limited												-dBm			IP2, dBm	QST	Comment
	MDS, -dBm			BDR, dB			3rd IMD, dB			IP3, dBm								
	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2			
1 DX-70	3.5	131	138	X	127	129	X	93	90	X	8.4	-2.9	X	55	52	X	1995	
2 DX-77	3.5	129	146	X	103	126	X	84	92	X	12.6	4.5	X	53	51.5	X	1998	
	14	130	136	X	111*	112*	X	94*	95	X	17.3	9.5	X					

## Icom

MHz	* - Measurement was noise limited												-dBm			IP2, dBm	QST	Comment
	MDS, -dBm			BDR, dB			3rd IMD, dB			IP3, dBm								
	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2			
1 IC-701	3.5	X	133	X	120	X	X	89	X	X	NM	NM	X	NM	X	X	1979	
2 IC-703	3.5	133	141	X	127*	127*	X	93	93	X	12	1.8	X	56	47	X	2003	
	14	131	141	X	121*	122*	X	89	91	X	11	1.9	X					
3 IC-706	3.5	128	140	X	104*	106*	X	90*	88*	X	7.1	-7.9	X	81	44	X	1996	
	14	123	139	X	102*	104*	X	88*	87*	X	9.2	-8.6	X					
4 IC-706MK2	3.5	135	140	X	113*	110*	X	87*	86*	X	3.4	-6.8	X	55	40	X	1998	
	14	135	141	X	114*	109*	X	86*	87*	X	4.2	-7.2	X					
5 IC-706MK2G	3.5	137	142	X	125	118	X	89	87	X	-3.4	-13	X	36,4	38,5	X	1999	
	14	136	142	X	122*	120*	X	89	86	X	-1.3	-11	X					
6 IC-707	3.5	129	138	X	116	115	X	94	93	X	11.9	1.5	X	NM	NM	X	1994	
	14	131	138	X	121	128	X	87	87	X	-0.5	-7.4	X					
7 IC-718	3.5	129	137	X	123*	121*	X	88	87	X	10.4	-2.3	X	54	55	X	2000	
	14	130	139	X	120*	119*	X	87	85	X	6.8	-9.3	X					
8 IC-720A	3.5	132	X	X	NL	NL	X	92	X	X	13.5	NM	X	NM	X	X	1982	
	14	132	X	X	NL	NL	X	92	X	X	6	NM	X					
9 IC-725	3.5	128.5	137.7	X	NL	NL	X	92.5	91.5	X	10	0	X	NM	NM	X	1990	
	14	129.5	137.7	X	NL	NL	X	90.5	90.5	X	6	-2	X					
10 IC-728/729	3.5	128.5	137.5	X	115.5*	114.5*	X	90.5	88.5	X	7.25	-4.75	X	NM	NM	X	1993	
	14	126.5	137	X	122.5*	120.5*	X	91.5	90	X	8.75	-2	X					
11 IC-730	3.5	134	140	X	NL	NL	X	95	NL	X	6.5	NL	X	NM	NM	X	1982	
	14	133	144	X	NL	NL	X	96	NL	X	9.5	4	X					
12 IC-735	3.5	127	134	X	NL	NL	X	92	90	X	8	4	X	NM	NM	X	1986	
	14	126	133	X	NL	NL	X	88	85	X	1.5	-1	X					
13 IC-736	3.5	130	139	X	116	118	X	94	92	X	11.2	-0.6	X	59	NM	X	1995	
	14	133	139	X	121	130	X	95	92	X	9.7	-1	X					
14 IC-737	3.5	130	137	X	122	118	X	96	94	X	4	2	X	NM	NM	X	1993	
	14	130	139	X	122	118	X	98	95	X	17	5.5	X					
15 IC-738	3.5	130	138	X	116	116	X	98	93	X	16.8	1.7	X	81	NM	X	1995	
	14	133	139	X	119	119	X	94	94	X	8.1	2.1	X					
16 IC-740	3.5	133	141	X	130	125	X	95	94	X	9.5	-0.5	X	NM	NM	X	1983	
	14	133	141	X	130	125	X	95	94	X	5.5	-3	X					
17 IC-745	3.5	135	144	X	118	116	X	97	94	X	8.5	-3	X	NM	NM	X	1985	
	14	135	144	X	118	116	X	97	94	X	5.5	-2	X					
18 IC-746	3.5	132	140	143	123	121	115	99	97	86	17	5.1	-4.5	60	60	47	1998	
	14	132	139	143	122	120	113	99	97	82	14	4.2	-7.3					
19 IC-746PRO	3.5	132	140	142	124	121	117	97	95	91	19.2	7.2	-2.2	72	70	54	2002	
	14	132	140	142	125	123	118	97	96	92	20	9.3	-1.8					
20 IC-751	3.5	134	142	X	100	96	93	76	73	71	-17.6	-28.7	-33.7	NM	NM	X	1985	
	14	134	138	X	100	98	93	75	74	71	-18.2	-28.2	-35.5					
21 IC-756	3.5	134	139	139	137	132	NM	101	101	NM	14.7	8.7	NM	48,6	83,5	NM	1997	
	14	134	139	142	132	128	NM	103	100	NM	21	10.5	NM					
22 IC-756PRO	3.5	127	135	141	127	125	122	92	92	90	13.5	4.7	-5	64	63	43	2000	
	14	128	136	140	127	125	120	95	92	88	15.4	4.3	-6.9					
23 IC-756PRO2	3.5	132	140	143	119	118	113	98	97	92	17.1	8.2	-4.3	75	71	59	2002	
	14	131	139	141	118	116	111	97	95	91	20.2	10.2	-4.1					
24 IC-761	3.5	135	140	X	126	120	X	100	95	X	15	2.5	X	NM	NM	X	1988	
	14	132	139	X	131	122	X	102	96	X	21	5	X					
25 IC-765	3.5	135	142	X	152	148	X	99	98	X	13.5	5	X	NM	NM	X	1990	
	14	135	142	X	151.5	146	X	97	96	X	10.5	2	X					
26 IC-775DSP	3.5	139	143	X	139	135	X	106	104	X	20	13	X	56	55	X	1996	
	14	138	143	X	137	132	X	106	103	X	21	12	X					
27 IC-781	3.5	137	141	X	134.5	132.5	X	101	97	X	14.5	4.5	X	NM	NM	X	1990	
	14	134	140	X	134	132.5	X	102	99.5	X	19	9	X					

## Yaesu

MHz	* - Measurement was noise limited												-dBm			IP2, dBm	QST	Comment
	MDS, -dBm			BDR, dB			3rd IMD, dB			IP3, dBm								
	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2	Pre OFF	Pre1	Pre2			
1 FT-ONE	3.5	133	X	X	NL	NL	X	NL	NL	X	NL	NL	X	NM	X	X	1983	
2 FT-77	3.5	139.5	X	X	99	X	X	92	X	X	-1.5	X	X	NM	X	X	1983	
	14	139.5	X	X	99	X	X	94	X	X	-1.5	X	X					
3 FT-100	3.5	133	138	X	128	121	X	92	88	X	6.3	-5.7	X	51,7	52,8	X	1999	
	14	133	137	X	130	125	X	94	91	X	10	-3.2	X					
4 FT-101ZD	3.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	X	X	1979	
	14	139	X	X	112	X	X	78	X	X	NM	X	X					
5 FT-102	3.5	137	X	X	NL	NL	X	96.5	X	X	18	X	X	NM	X	X	1983	
	14	137	X	X	NL	NL	X	97.5	X	X	19.5	X	X					
6 FT-107M	3.5	133	X	X	NL	X	X	82	X	X	NM	X	X	NM	X	X	1981	
	14	133	X	X	NL	X	X	90	X	X	NM	X	X					
7 FT-600	3.5	137	X	X	109*	X	X	90*	X	X	12	X	X	37	X	X	1997	
	14	139	X	X	112*	X	X	95	X	X	11	X	X					
8 FT-707	3.5	126	X	X	NL	X	X	77	X	X	-12	X	X	NM	X	X	1981	
	14	127	X	X	NL	X	X	83	X	X	-6	X	X					
9 FT-747GX	3.5	136	X	X	109.5	X	X	90	X	X	-1	X	X	NM	X	X	1989	
	14	136	X	X	120	X	X	92	X	X	2	X	X					
10 FT-757GX	3.5	121	140	X	NL	NL	X	90	91	X	15.5	-5	X	NM	NM	X	1984	
	14	116	137	X	NL	NL	X	91	89	X	13	NM	X					
11 FT-767GX	3.5	120	136	X	120	117	X	86	82	X	NM	NM	X	NM	X	X	1987	
	14	116	131	X	119	115	X	86	85	X	13	NM	X					
12 FT-817	3.5	123	133	X	107	106	X	86	86	X	8.3	-3.1	X	84	88,4	X	2001	
	14	126	134	X	106	104	X	87	84	X	5	-5.6	X					
13 FT-840	3.5	137	X	X	108	X	X	90	X	X	-1.9	X	X	NM	X	X	1994	
	14	138	X	X	113	X	X	90	X	X	-1.7	X	X					
14 FT-847	3.5	131	137	X	114	109	X	92	90	X	6.1	-0.5	X	12,4	14,7	X	1998	
	14	131	136	X	114*	109*	X	95	89	X	12	-0.7	X					
15 FT-857	3.5	130	136	X	109	106*	X	88	88	X	9.2	1.7	X	69	66	X	2003	
	14	132	137	X	10													