

Sortiert nach Dynamikbereich dritter Ordnung mit schmalem Abstand – oder ARRL RMDR (Reciprocal Mixing Dynamic Range),

Wenn das Phasenrauschen begrenzt ist Der Begriff RMDR existiert erst seit 2012.

Um die Spalte LO Noise in RMDR umzurechnen, subtrahieren Sie 27 dB. Beispiel: Ein LO Noise von 127 dB entspricht einem RMDR-Wert von 100 dB.

Hinweis: Der Begriff „Blockierung“ bezieht sich nur auf Superhet-Radios. Bei Direktabtastradios entspricht der Wert in der Spalte „Blockierung“ dem Referenz-Empfängerrauschen am ADC-Überlastungspunkt.

Updated 24 February 2025. Added Icom IC-7760

Rang	Device Under Test	Noise Floor (dBm)	AGC Thrshld (uV)	dB	100kHz Blocking (dB)	Sensitivity (uV)	LO Noise (dBc/Hz)	Spacing kHz	Front End Selectivity	Filter Ultimate (dB)	Dynamic Range Wide Spaced (dB)	kHz	Dynamic Range Narrow Spaced (dB)	kHz
	LO Noise Corrected 05/10/19	-127	4.5			0.60								
1	Yaesu FTdx-101D/MP	-136 b -141 6	1.6 b 0.58 b1	3	>147	0.20 b 0.12 b1	154 155	10 50	A Trk Presel	>115	110	20	110	2
	Added 12/30/20	-126	4.2			0.63								
2	Yaesu FTdx10	-135 b -140 6	1.46 b 0.54 b1	3	141	0.21 b 0.15 b1	152 153	10 50	B Half Octave & Bandpass	105	107	20	107	2
	Added 10/01/22	-127	4.0			0.66								
3	Yaesu FT-710	-135 b -140 6	1.40 b 0.38 b1	3	129	0.23 b 0.13 b1	150 154	10 30	B Bandpass	108	107	20	107	2
	Added 02/11/18													
	Icom IC-R8600	-131				0.40								
4	Second sample S/N 02001177	-142 b -130 ab	2.40 0.67 b	3	125	0.12 b 0.49 ab	144 148	10 50	B Half Octave	>100	109 ab 88 ac	20	107 ab 88 ac	2
	Added 11/10/15	-135				0.27								
5	Elecraft K3S	-138 b -145 10	1.5 0.45 b	3	150	0.20 b 0.08 10	144 146	10 50	B Band Pass	110	107 q	20	106 p 106 q	2
	Added 3/17/17	-135				0.27								
6	Elecraft K3S 2nd Sample 10 meter data	-138 b -145 10	1.5 0.45 b	3	150	0.20 b 0.08 10	144 146	10 50	B Band Pass	110	106 ah	20	105 ah	2
	Added 02/23/15													
7	Elecraft K3 (RX Gain Recal) New Synthesizer	-136 -139 bq	1.0 0.3 b	3	141	0.27 0.20 b	145 147	10 50	B Band Pass	108	105 q	20	107 p 104 q	2
	Added 04/25/16	-123	8.5			0.65								
8	Icom IC-7851	-135 b -141 b1	1.85 b 1.16 b1	3	149	0.16 b 0.11 b1	148 153	10 50	A Trk Presel	100	110 aa	20	105 aa	2

9	Added 10/15/18 Kenwood TS-890S	-131 -140 b -141 6	2.1 0.53 b 0.14 b1	3	>151	0.39 0.13 b 0.10 b1	155 156	10 50	B Half Octave	>118	106	20	105	2
10	Added 10/02/12 Hilberling PT-8000A Hardware Rev 2.00	-128 -141 b	5.4 1.0 b	3	142	0.45 0.11 b	144 149	10 50	A Trk Presel	100	105	20	105 w	2
11	Added 08/10/12 Elecraft KX3	-123 -138 b2	12 1.3 b2	3	138	0.9 0.09 b2	144	10	B Band Pass	110	105	20	104 t 96 <u>u</u> 65 y	2
12	Added 06/24/24 Apache ANAN-G2	-131 -131 ad -141 6	1.0 adjustable 2.2 ae	3	129	0.40 0.40 ad 0.14 6	144 148	10 50	B Band Pass	110	103 ad	20	103 ad	2
13	Added 02/22/18 Apache ANAN-7000DLE	-131 -131 ad -140 6	1.0 adjustable 2.2 ae	3	126	0.43 0.43 ad 0.16 6	140 143	10 50	B Band Pass	110	103 ad	20	103 ad	2
14	Added 05/26/21 Elecraft K4D S/N 00122	-121 -132 b -137 b1	11 3.0 b 1.4 b1	3	128	1.5 0.44 b 0.24 b1	148 155	10 50	B Band Pass	110	101 ad	20	101 ad	2
15	Added 12/01/10 Yaesu FTdx-5000D	-123 -135 b -141 b1	4.6 1.2 b 0.33 b1	3	127 s	1.1 0.27 b 0.13 b1	135	10	B Band Pass	90 f	104	20	101 f	2
16	Added 2/15/08 Elecraft K3	-130 -138 b	2.1 0.6 b	3	140 s	0.33 0.19 b	138	10	B Band Pass	105	104	20	101 p f 96 q a 95 r	2
17	Added 03/27/19 FlexRadio 6400	-112 -127 b3 -136 b4	9 1.4 b3 0.44 b4	3	119	4.0 0.63 b3 0.22 b4	145 146	10 20	B Band Pass	115	100 b3	20&2	100 b3	20&2
18	Edited 11/16/24 FlexRadio Systems 6700 2017 Data Hardware Updated	-118 -135 b2	3.0 1.0 b2	Var	130 preamp Off	2.0 0.25 b2	145 155	10 50	B Band Pass	115	99	20&2	99 b0	20&2
19	Added 05/14/18 FlexRadio 6600M PLL update & 2 Hardware Upgrades	-111 -126 b3 -136 b4	13 2.0 b3 0.35 b4	3	116	4.5 0.78 b3 0.26 b4	144 148	10 20	A- Band Pass	115	102 b0	20&2	99 b3 99 aj	20&2

	Added 08/31/16														
	Apache		1.0										99af		
	ANAN-200D	-133	adjustable			0.30	131	10					77ad		
20	Tested 12/15/2015	-132ad	3.0ae	3	123	0.37ad	137	50	B Band Pass	95	99	20	64ac	2	
	Updated 7/2/09	-123	0.15			0.8									
21	Perseus	-125b	0.1b	3	125	0.6b	147	10	B Band Pass	109f	99	20	99	2	
	Added 2/24/25	-133				0.32									
	Icom	-141b	2.65			0.12b									
	IC-7760	-142b1	1.40b		122	0.10b1	146	5							
22	S/N 12001144	-128ab	1.30b1	3	119ab	0.50ab	148	10	A Trk Presel	108	99ab	20	99ab	2	
	Added 12/23/17	-132				0.36									
	Icom	-140b	2.7			0.15b									
	IC-7610	-142b1	1.20b		122	0.125b1	146	10							
23	S/N 12001056	-129ab	1.16b1	3	119ab	0.51ab	149	50	A Trk Presel	110	98ab	20	98ab	2	
	Added 12/23/17														
	Icom	-132				0.40									
	IC-R8600	-142b	2.40			0.12b	144	10			98ab		98ab		
24	S/N 04001188	-130.5ab	0.67b	3	125	0.49ab	148	50	B Half Octave	105	78ac	20	78ac	2	
	Added 02/11/18														
	Icom	-133				0.30									
	IC-7300	-140.5b	1.9			0.12b									
	Second Sample	-141.5b1	0.85b			0.11b1	137	10			106ab		97ab		
25	S/N 02012272	-132ab	0.50b1	3	123	0.35ab	147	50	B Band Pass	>100	84ac	20	84ac	2	
	Added 3/17/17														
	FlexRadio Systems				130										
	6700	-116	3.0		preamp	2.0	145	10							
26	2nd Sample 10 meters	-134b2	1.0b2	Var	Off	0.25b2	155	50	B Band Pass	115	99	20&2	96ag	20&2	
	Added 05/21/18														
	Icom	-132				0.37									
	IC-7610	-139b	2.8			0.15b									
	S/N 12001276	-141b1	1.20b		122	0.13b1	145	10			96ab		96ab		
27	Second Sample	-128ab	1.12b1	3	119ab	0.53ab	>148	50	A Trk Presel	110	76ac	20	76ac	2	
	Added 2/15/08														
	FlexRadio Systems	-123	2.0			1.3									
28	FLEX-5000A	-135b	0.5b	3	123s	0.3b	123	10	B Band Pass	98	96	20	96	2	
	Added 4/16/06														
	Ten-Tec	-125	2.7			0.75									
29	Orion II	-133b	0.65b	3	130	0.3b	126	10	B Band Pass	100f	95f	20	95i	2	

30	Added 04/25/16	-133				0.27								
	Icom	-141 b	1.9			0.11 b								
	IC-7300	-142 b1	0.85 b			0.10 b1	137	10			103 ab		94 ab	
	S/N 02001408	-122 ab	0.50 b1	3	123	1.0 ab	147	50	B Band Pass	>100	81 ac	20	81 ac	2
<i>Updated 4/17/06</i>														
31	<i>Ten-Tec</i>	-127				0.6								
	<i>Orion</i>	-135 b	0.8	3	137	0.25 b	130	10	B Band Pass	100 f	96	20	93	2
32	Added 12/09/14													
	Kenwood													
	TS-590SG	-127	2.2			0.42	139	10						
	Down Conversion Mode	-135 b	0.65 b	3	137	0.17 b	141	50	B Bandpass	100 f	104	20	92 f	2
33	Added 06/22/13													
	Ten-Tec	-125	3.2			0.52	127	10						
	Argonaut VI	-135 b	0.75 b	3	127	0.25 b	134	50	B Band Pass	95 f	95	20	92 f	2
34	Added 08/15/19													
	Aerial-51	-120	9			1.1	133	10						
	ALT-512	-136 b	0.75 b	3	122	0.2 b	131	50	B Band Pass	100	91	20	91	2
35	Added 11/10/10													
	Ten-Tec	-124	2.5			0.7	131	10						
	Eagle	-132 b	0.6 b	3	129	0.3 b	143	50	B Band Pass	92 f	93	20	90 f	2
36	Added 8/20/09													
	FlexRadio Systems	-123	2.1			1.35								
	FLEX-3000	-139 b	0.13 b	3	116 s	0.16 b	120	10	B Band Pass	90 f	90 f	20	90 f	2
37	Updated 3/21/17													
	FlexRadio Systems				125									
	6300 Second Sample	-117	3.0		preamp	2.1	143	10	D High &					
	Preamp Updated	-136 b2	1.0 b2	Var	Off	0.23 b2	148	50	Low Pass	110	89	20&2	89 ai	20&2
38	Added 11/07/20													
	Icom	-127	4.2			0.67								
	IC-705	-137 b	1.50 b			0.20 b	138	10						
	S/N 12003232	-139 b1	0.87 b1	3	122	0.16 10	142	50	C 0.8 Octave	100	89	20	88	2
39	Added 12/30/10													
	Kenwood													
	TS-590S on 20 meters													
	Down-conversion Mode													
	For Up-Conversion													
	see Narrow Spaced													
	at 76 dB	-128	1.8			0.43								
		-137 b	0.5 b	3	144 s	0.15 b	140	10	B Band Pass	92 f	104	20	88 f	2

40	Added 02/26/11 FlexRadio Systems FLEX-1500	-112to-116 -120to-129 b -121to-136 b	3.1 1.0 b 0.4 b1	3	108	2.8 1.4 b 0.3 b1	131	10	B Band Pass	95	88	20	88	2
41	Added 06/02/13 Kenwood TS-990S on 20 meters 15 & 12 meters RMDR varies by band 17 meters is worst band 30 meters is best band	-127 -138 b -138 6	1.9 0.46 b	3	145	0.75 0.17 b 0.13 6	138 150	10 50	A Trk Preselec	90 f	111	20	87 x	2
42	1/12/17 FlexRadio Systems 6300 Preamp Updated	-117 -136 b2	3.0 1.0 b2	Var	125 preamp Off	2.2 0.24 b2	143 148	10 50	D High & Low Pass	110	86	20&2	86 ak	20&2
43	Added 07/26/17 Elecraft KX2	-123 -136 b	31 3.4 b	3	N.A.	1.2 0.25 b	132 129	10 50	B Bandpass	90	93	20	86	3
44	Added 2/15/08 Icom R9500	-127 -130 b -135 b1	1.1 0.25 b 0.16 b1	3	119	0.7 0.2 b 0.11 b1	134	10	B Band Pass	80	110 f	20	85 f	2
45	Drake R-4C/CF-600/6	-138	0.7	3	130	0.15	135	2.5	A- Preselector	130	85	20	84	2
46	Added 12/13/2012 Yaesu FTdx-3000	-127 -138 b -142 b1	3.8 1.0 0.36	3	132	0.57 0.15 0.11	127	10	B 0.5 Octave	80	105 f	20	82 f	2
47	AOR AR-7030	-122 -128 b	2.2	3	130	0.5 0.22	130	10	D Hi/Lo Pass	90	100	20	82	2
48	Added 4/16/06 Icom IC-765	-134 -140 b	5.0 1.7 b	3	143	0.26	130	10	B Band Pass	95 f	102	20	81 f j m	2
49	Added 10/03/14 Icom IC-703+	-126 a -135 a b	2.1 0.8 b	3	128	0.33 0.125 b	115 132	10 50	B Band Pass	85 f	96	20	81 a	5
50	Added 11/03/21 WJ HF-1000 2nd Sample	-129 -136 b	0.19 0.055 b	3	127	0.52 0.25 b	135 142	5 10	D Wideband	80	94	20	81 f	2
51	Atlas 350-XL	-131	1.0	11	117	0.2	125	4	C Band Pass	95	81	20	81	2

52	Kenwood TS-830/YK88	-129	1.5	3	122	0.1	114	2	C Preselector	85 _f	84	20	81	2
Added 4/23/07														
53	Ten-Tec Omni VII	-130 -140 _b	0.8 0.2 _b	3	130	0.45 0.17 _b	124	10	B 0.5 Octave	100 _f	92	20	80	2
Added 10/3/04														
Icom														
IC-7800														
54		-126 -136 _b -139 _{b1}	4.5 1.2 _b 0.6 _{b1}	3	>135	0.60 0.15 _b 0.10 _{b1}	130	10	A Trk Presel	100 _f	102	20	80 _f	2
Added 10/3/04														
Elecraft K2														
s/n:3170														
55		-129 -136 _g	10 1.7 _b	15	123 134 _h	0.35 0.20	123	10	B Band Pass	80 _f	98	20	80 _f	2
Added 2/27/04														
Ten-Tec														
Omni VI+														
56		-135	0.7	3	145	0.2	137	20	B Band Pass	80	97	20	80	2
57	Yaesu 901-DM	-135	1.6	3	124	0.15	109	2	C Preselector	85	87	20	80 _f	3
Added 10/18/20														
Lab599														
58	TX-500	-122 -138 _b	16 1.8 _b	3	112	2.0 0.25 _b	135 134	10 50	B 0.5 Octave	100	79	20	79	2
Added 8/10/12														
Yaesu														
59	FT-950	-120 -132 _b -138 _{b1}	4.5 1.2 _b 0.5 _{b1}	3	125	1.1 0.31 _b 0.15 _{b1}	125	10	B	80 _f	105	20	79 _f	2
60	Collins R-390A	-137	N.A.		130	0.2	130	2	A+ Trk Presel	85	81	20	79	2
61	Ten-Tec Corsair	-131 _a	0.1	14	130	0.2	132	5	C Band Pass	90	93	20	79	3
Added 12/13/2012														
Icom														
62	IC-7700	-140 _b -143 _{b1}	1.6 0.8	3	140	0.15 0.10	129	10	A Trk Presel	90	105	20	78 _f	2
Added 9/3/09														
Icom														
63	IC-7600	-130 -138 _b -141 _{b1}	5.3 2.35 _b 1.13 _{b1}	3	126	0.43 0.16 _b 0.11 _{b1}	121	10	B	78 _f	100	20	78 _f	2
Added 8/25/11														
Icom														
64	IC-7410	-135 -142 _b -144 _{b1}	2.9 1.35 _b 0.5 _{b1}	3	135	0.3 0.12 _b 0.1 _{b1}	121	10	B	75 _f	102	20	78 _f	2
65	Icom IC-720A	-137	1.6	3	138	0.15	117	10	C 0.5 Octave	80	93	50	78	3
66	Kenwood TS-820S	-137	0.4	3	115	0.2	125	10	C Preselector	80	79	20	78	3

67	<i>Updated 4/17/06</i> <i>Kenwood TS-850</i> <i>Inrad-400s</i>	-128 -138 b	2.2 0.5 b	3	128	0.45 0.15 b					90	20	77	2
68	JRC NRD-515	-138	3.5	4	103	0.1	118	10	C 0.8 Octave	80	95	20	77 f	2
69	Added 12/30/10 Kenwood Up-conversion TS-590S on 17 meters	-132 -139 b	1.4 0.42 b	3	133 s	0.28 0.13 b	N.A.	10	B Band Pass	N.A. f	102	20	76 f	2
70	Ten-Tec Omni V	-134	1.2	6	135	0.18	134	10	C Band Pass	100	89	20	76	2
71	Atlas 210/215X	-120 a	N.A.		123	0.5	N.A.		C Band Pass	95	76	20	76	2
72	Added 05/15/21 Xiegu G90	-120 -136 b	2.1 0.27 b	3	116	1.9 1.0 b	113 134	10 50	N/A	80 f	78	20	76 f	2
73	<i>Corrected 4/7/06</i> <i>Icom</i> <i>756 Pro III</i>	-132 -140 b -142 b1	2.3 0.7 0.3	3	142	0.35 0.14 0.11	126	10	B 0.5 Octave	80	99	20	75	2
74	<i>Added 4/7/06</i> <i>Icom</i> <i>756 Pro II</i>	-133 -138 b -141 b1	2.1 0.65 0.26	3	138	0.32 0.15 0.11	124	10	B 0.5 Octave	80	98	20	75	2
75	Drake R-7	-135 -140 b	1.0 0.4 b	3	145	0.28 0.15 b	114	10	B 0.5 Octave	85	97	100	75	2
76	Drake TR-7	-134	1.3	3	146	0.5	116	10	B 0.5 Octave	90	99	100	75	2
77	<i>Added 11/03/21</i> <i>Drake 2B</i>	-136	8	6	130	0.34	111	10	B Preselector	90	91	20	75	3
78	Heath SB-104	-123	N.A.		92	0.5	N.A.		C Band Pass	75	79	20	75	4
79	WJ HF-1000	-129 -136 b	0.11	3	123	0.23 0.13 b	115	10	D Wideband	80	99	20	75	5
80	<i>Added 4/7/06</i> <i>Icom</i> <i>706MkIIG</i>	-135 -140 b	1.9 0.6	3	126	0.23 0.12	127	10	C Octave	80	87	20	74	2
81	Ten-Tec Omni-B	-136	0.2	25	129	0.15	130	10	C Preselector	80	87	20	74	2
82	Icom IC-730	-140	1.5	3	135	0.1	118	10	C 0.5 Octave	80	92	50	74	3
83	Kenwood R-820S	-125	4.0	3	125	0.35	123	10	C Preselector	75	74	20	74	4

Added 04/11/19														
84	Icom IC-9700	-131 -1452	0.7 0.18b	3	111	0.35 0.082b	130 138	10 50	B Bandpass	100	74	20	74	2
85	Collins 75-S3B	-146	1.1	15	122	0.1	120	4	B+ Preselector	85	88	20	74	2
86	Icom IC-781	-127 -138b	2.0 0.5b	3		0.5 0.18b	129	10	B 0.5 Octave	90f	94	20	73	2
87	<i>Updated 4/18/06</i> <i>Stock 781</i>	-128 -135b	2.4 0.7b	3	131	0.5 0.22b			B 0.5 Octave	90	98	20	78	2
88	<i>Updated 4/18/06</i> <i>781 with Pin Diodes</i>	-126 -134b	3.6 1.15b	3	134	0.54 0.21b			B 0.5 Octave	90	98	20	72	2
89	Kenwood TS-930S	-135	2.0	3	143	0.15	115	10	B- 0.5 Octave	80f	86	20	73	3
90	Icom IC-701	-129	5.5	6	130	0.3	125	10	C Band Pass	75	81	50	73	4
91	Collins 75S-3C	-141	1.3	12	121	0.14	120	4	B+ Preselector	95	85d	20	72	2
92	Kenwood TS-480HX Without CW Xtal Filter	-135 -143b	3.0 0.6b	3	142	0.28 0.11b	121	10	B 0.5 Octave	80f	99	20	72	3
93	JRC NRD-525	-132a	0.9	3	123	0.2	120	10	B Trk Presel	65	95	50	72	5
Added 08/05/15														
94	Yaesu FT-991	-123 -135b -143b1	5 1.2b 0.33b1	3	133	0.70 0.17b 0.08b1	120 137	10 50	B Bandpass	80f	96	20	72	2
95	<i>Updated 4/13/09</i> <i>Yaesu FT-1000</i> <i>MP MKV Field</i> <i>Inrad roofing filter mod</i>	-133b	3.0b	3	135	0.2b	128	10	B 0.5 Octave	90f	89	20	71k	2
Added 10/3/04														
96	<i>Icom</i> <i>756 Pro</i>	-127 -136b -139b1	3.5 1.0b 0.5b1	3	132	0.55 0.21b 0.14b1	127	10	B 0.5 Octave	90	86	20	71	2
97	Drake R-8	-128 -131ab	0.6 0.3	3	130	0.25 0.18b	115	10	C 0.5 Octave	75f	90 85b	20	71	5
98	Icom IC-R72	-127 -135a	3.1 1.2b	3	129	0.28 0.11b	122	10	C 0.5 Octave	75	87b	20	71	5
99	Icom R-9000	-131a	0.8	3	129	0.15	128	10	B 0.5 Octave	90	93	20	71	5
Added 04/25/16														
100	Icom IC-9100	-133 -141b -1412	2.4 1.0b 0.39b1	3	N.A.	0.36 0.15b 0.1302	119 136	10 50	B Band Pass	N.A.	101f	20	71f 6070	2

101	<i>Added 2/27/04 Elecraft K2 s/n: 1140</i>	-135	2.6	15	118	0.22	123	10	B Band Pass	80f	95	20	70	2
102	<i>Added 01/06/21 Elad DUO s/n: 5F0007</i>	-132	3.3	3	124	0.33	133	10	D LPF	80f	70	20	70	2
103	JRC NRD-535	-135a	0.9	3	114	0.1	117	10	B Trk Presel	70	92	50	70	5
104	Kenwood TS-830S	-136a	0.9	3	122	0.1	113	2	C Preselector	80	84	20	70	3
105	Icom IC-761	-131 -139b	2.0 0.7b	3	145	0.4 0.17b	129	10	B- 0.5 Octave	90f	87	20	70	2
106	Added 7/8/15 Yaesu FTdx-1200	-122 -134b -140b1	5.5 1.4 0.4	3	137	1.0 0.26 0.14	123	10	B 0.5 Octave	83	102f	20	70z	2
107	Added 07/26/17 Yaesu FT-891	-129 -140b -1386	6.1 1.55b	3	N.A.	0.44 0.11b 0.156	116 N.A.	10 50	B 0.5 Octave	80f	92	20	70f	2
108	Added 08/05/15 Kenwood TS-570S	-131 -139b	1.6 0.43b	3	143	0.40 0.16b	118 137	10 50	B Bandpass	75	99	20	69f	2
109	<i>Added 4/16/06 Kenwood TS-870S</i>	-127 -137b	1.9 0.44b	3	137	0.5	121	10	C 0.5 Octave	90f	95	20	69	2
110	<i>Added 10/3/04 Yaesu FT-1000 MP MKV Field</i>	-133b	3.0b	3	135	0.2b	128	10	B 0.5 Octave	90f	88	20	69	2
111	<i>Added 10/3/04 Yaesu FT-1000 D</i>	-128b1	6.0b1	3	>131	0.3b1	121	10	B 0.5 Octave	90f	90	20	69	2
112	Lowe HF-150	-126a	0.7	3	126	0.3	113	10	F No Bandpass	75	84	20	69	5
113	Kenwood TS-430S	-136a	0.6	3	134	0.1	102	10	C 0.5 Octave	70	78	20	69	5
114	<i>Updated 01/30/2023 Expert SunSDR2 DX</i>	-124 -132b	2.0 1.8b	3	128	0.9 0.4b	150	10	B 0.5 Octave	100	68ad	20	68ad	2
115	<i>Added 10/3/04 Yaesu FT-1000 MP</i>	-125 -134b	3.8 1.1b	3	>135	0.48 0.18b	128	10	B 0.5 Octave	90f	97	20	68	2

116	JRC NRD-545	-130 a	2.0	6	127	0.2	118	10	B 0.5 Octave	65	96	100	68	5
117	Signal/One CX-11A	-122 a	0.6	17	109	0.6	119	50	C 0.5 Octave	105	90	50	68	5 f
118	Kenwood TS-180S	-139	0.9	3	115	0.15	120	10	C Preselector	80	70	20	68	3
119	Drake TR-4C	-124 a	1.2	3	105	0.4	130	10	C Preselector	80	74	20	68	2
120	Icom IC-735	-126 -133 b	1.5	12	135	0.35 0.18 b	123	10	C 0.5 Octave	90 f	83	20	68	2
<i>Added 1/21/04</i>														
121	<i>Icom IC-R75</i>	-123 a -130 b	3.5 1.3 b	3	119	0.5 0.2 b	109	10	B 0.5 Octave	80	95	50	67	5
122	Drake SW8	-127 a	0.9	3	125	0.32	113	10	N.A.	70	92	20	67	5
123	Racal 6790 GM	-128	0.3	1	145	0.7	130	10	D Broadband	85	95	20	66	2
124	Yaesu FT-736R 2 meters	-141	1.3	3	125	0.11	128 143	10 50	C Bandpass	80	88	20	66	2
125	Lowe HF-235	-126 a	0.8	3	129	0.35	117	10	D Octave	80	71	20	66	5
126	AOR AR3030	-131 a	2.0	10	130	0.16	117	10	C 0.5 Octave	85	90	20	66	5
<i>Added 11/01/19</i>														
127	<i>Kenwood TS-2000X 2 meter data</i>	-123 -140 b	2.8 0.45 b	3	124	1.0 0.15 b	113 131	10 50	B Band Pass	75 f	87	20	65 f	2
128	Yaesu FRG-100	-133 a	0.9	3	127	0.13	112	10	C 0.5 Octave	70	99	50	65	5
129	Kenwood R-5000	-131 a	0.4	3	134	0.2	120	10	C 0.5 Octave	80 f	86	20	65	5
<i>Added 2/27/04</i>														
130	<i>Palstar R-30</i>	-123	2.6	3	130	0.35	116	10	C Octave	90	88	20	64	5
131	Yaesu FRG-7700	-130 a	1.3	3	123	0.2	100	10	D Octave	65	83	50	64 f	5 c
132	Kenwood R-1000	-130 a	0.9	3	119	0.2	107	10	D Octave	70	76	20	64 f	3 c
133	Heath SB-303	-134	N.A.		104	0.5	N.A.		C Preselector	70	66	20	64	4

134	Collins KWM-380	-127 a	1.1	5	123	0.3	99	10	B 0.5 Octave	70 f	94	50	64 f	2
135	Icom IC-751	-127 -133 b	6.3	3	138	0.4 0.2 b	127	10	B- 0.5 Octave	90 f	84	20	64	2
136	<i>Added 3/27/06 Icom 7000</i>	-129 -139 b	4.5 1.0	3	119	0.45 0.13	122	10	C Octave	65	90	20	63	2
137	Added 9/22/07 Yaesu FT-2000	-122 -132 b -140 b1	5 1.3 b 0.5 b1	3	120	1.0 0.3 b 0.14 b1	122	10	B+ Bandpass + Trk	80 f	81 n 90 o	20	63 n 61 o	2
138	Icom IC-275H 2 meters	-136 a	0.25	3	122	0.11	124 141	10 50	B Bandpass	75	85	20	63	2
139	Kenwood TS-520	-139	N.A.		116	0.15	N.A.		C Preselector	70	63	20	63	3
140	Yaesu FT-One	-135	1.0	3	130	0.2	99	10	C 0.5 Octave	80 f	91	50	63 f	2
141	Collins 75-S3 Wing	-145	1.0	14	105	0.1	N.A.		B Preselector	75	75	20	63	3
142	JRC NRD-93	-141	1.6	3	128	0.15	133	10	A+ Trk Presel	80	94	20	63	2
143	Yaesu FT-980	-136	1.8	3	140	0.12	106	10	C 0.5 Octave	62 f	96	50	63	2
144	Icom IC-R70/R-71A	-129 -135 b	3.1 1.4 b	3	132	0.4 0.2 b	128	10	B- 0.5 Octave	90 f	86	20	62	3
145	Grundig Satellite 700	-127 a	1.6	3	106	0.3	118	10	N.A.	85	76	20	62	5
146	KWZ-30	-130	1.0	3	120	0.8	118	10	d	80	100	20	60	5
147	Collins 51S1	-134	1.0	7	117	0.13	146	10	A Trk Presel	100	84 e	100	60	5
148	Icom R-8500	-135 a	0.45	3	132	0.11	131	10	B 0.5 Octave	75	81	20	59	5
149	Yaesu FT-101E	-141	N.A.		102	0.15	N.A.		C Preselector	70	60	20	59	3
150	Drake R-4C Stock	-139	0.7	3	130	0.15	144	5	A- Preselector	70	85	20	58	2
151	Yaesu FT-757	-120 -134 b	0.7 1.6	3	130	0.7 0.15 b	109	10	C 0.5 Octave	70 f	86	20	56	3
152	Ten-Tec 340	-123 -133 b	0.5 0.13	3	109	0.4 0.14	113	10	B 0.5 Octave	70	93	100	46	5
153	Kenwood R-2000	-130 a	1.4	3	115	0.15	105	10	D Octave	70	71	20	45	5

154	Kenwood R-600	-130 ^a	0.8	3	109	0.2	99	10	D Octave	65	68	20	<u>F.L.</u>	5
155	Yaesu FRG-8800	-132 ^a	0.6	3	122	0.18	N.A.		D Octave	70	87	20	<u>F.L.</u>	5
156	AOR 5000	-124 -130 ^{a&b}	1.8 0.9	3	118	0.2 0.35	103	10	B 0.5 Octave	60	58	50	<u>f</u>	5
157	CommRadio CTX-10	-120 -134 ^b	5.5 0.7	3	49	5 1	N.A.	N.A.	C Octave	50	50	20	45	5

Receiver Table Legend:

3 dB blocking (gain compression) test done at 100 kHz to eliminate phase noise interaction

F.L. = Filter limited, no measurement was possible due to signal leakage around filter

N.A. = Data not available

- ^a Measured with SSB filter
- ^{b0} No preamp actuated
- ^b Built-in Preamp actuated
- ^{b1} Built-in Preamp 2 actuated
- ^{b2} Built-in Preamp set at 20 dB. Adjustable to 10, 20 or 30 dB
- ^{b3} Built-in Preamp set at 16 dB
- ^{b4} Built-in Preamp set at 32 dB
- ^c Readings would have been lower if 2-kHz spacing had been possible
- ^d Dynamic Range is 90-dB at 100-kHz spacing
- ^e 20-kHz Dynamic Range is 66-dB
- ^f Measurement was Phase-Noise Limited = ARRL RMDR (Reciprocal Mixing Dynamic Range)
- ^g Audio DSP Enabled
- ^h AGC Off
- ⁱ At 1 kHz dynamic also 95 dB but with 300 Hz roofing filter enabled
- ^j At 1 kHz, noise limited to 68 dB
- ^k At 1 kHz dynamic range was 66 dB
- ^l (lowercase L) Reserved
- ^m Receiver was optimized by Malcom Technical Support for best dynamic range

<i>n</i>	Measured with 3 kHz roofing filter
<i>o</i>	Measured with 6 kHz roofing filter
<i>p</i>	with 200 Hz 5-pole filter
<i>q</i>	with 400 Hz 8-pole filter
<i>r</i>	with 500 Hz 5-pole filter
<i>s</i>	Using ARRL 3-Hz bandwidth blocking method
<i>t</i>	with optional roofing filter
<i>u</i>	without optional roofing filter
<i>v</i>	At 1 kHz performance is opposite sideband rejection limited
<i>w</i>	At 1 kHz dynamic range is 104 dB
<i>x</i>	"Long Form" report available by e-mail request. 2-kHz RMDR: 6M=91dB, 10M=92dB, 12&15&20M=87dB, 17M=85dB, 30M=98dB, 40M=92dB, 80M=94dB & 160M=95dB
<i>y</i>	DR3=108 dB with 20 dB preamp ON, and 99 dB with preamp OFF. Otherwise dynamic range independent of signal spacing. NOTE: Tests in 2017 of a second 6700, and by the ARRL of a 6500, no longer measured a dynamic-range increase with the preamp ON. The 108 dB value is no longer valid. 2 kHz dynamic range is 99 dB, same as 6600M. As with any radio, only use a preamp if it improves copy, and usually only on 15m and up.
<i>z</i>	The low-side dynamic range was 76 dB, while the high-side dynamic range was 70. NOTE: This may imply the roofing filter was asymmetrical, and likely a sample variation.
<i>aa</i>	Measured using 1.2 kHz roofing filter.
<i>ab</i>	Measured with IP+ ON.
<i>ac</i>	Measured with dither and random OFF NOTE: Icom calls "dither and random" IP+. Noise floor may be affected by dither and random.
<i>ad</i>	Measured with Dither and Random ON NOTE: Dither and Random convert intermodulation products into broadband noise.
<i>ae</i>	AGC threshold adjustable NOTE: AGC threshold should be set about 6 dB above band noise.
<i>af</i>	Measured with third test tone. NOTE: ARRL may test dynamic range (DR3) of direct-sampling radios with a third test tone to approximate a crowded
<i>ag</i>	DR3=96 dB with 20 dB Preamp ON. (99 dB Preamp OFF) Otherwise dynamic range independent of signal spacing. NOTE: Testing of 2nd sample made on 10 meters while investigating IFSS* curves. Similar testing of 2nd sample of K3S, also made on 10 meters. * IFSS = Interference free signal strength.

ah NOTE: Testing of 2nd sample made on 10 meters while investigating IFSS* curves. Similar testing of 2nd sample of Flex Radio 6700, also made on 10 meters. * IFSS = Interference free signal strength.

ai NOTE: Dynamic range testing of a second 6300 sample resulted in a modestly higher dyanmic range measurement.

aj NOTE: Test data for 6600M is after May 2018 PEN (Product Enhancement Notice). Due to the insertion loss of 7-pole bandpass filters on the contest bands, recommend +16 dB preamp during daytime on 80 -17 meters if in a quiet

ak Some variation in dynamic range was noted after an extended warm-up.

6 6 meter data, preamp ON

10 10 meter data, preamp 2 ON

2 2 meter data, preamp ON

70 70cm, preamp ON. RMDR limited

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9 a.m. - 5 p.m. MST Monday - Friday

