

Model: Icom IC-9700 Serial # 13003075 Test Date: 2020.03.21

Transceiver was tested using following test setup:

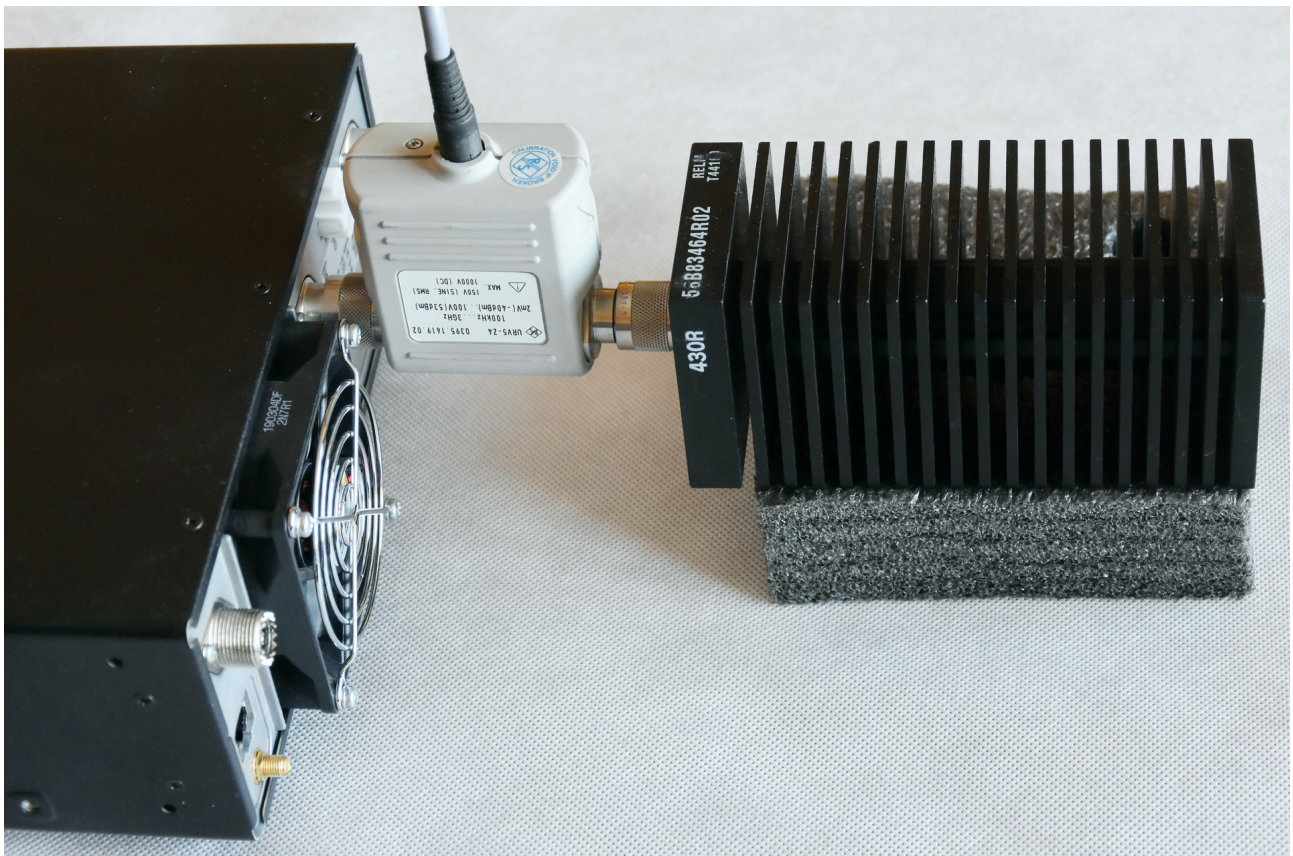
Power meter – Rohde&Schwartz NRVS with power sensor URV5-Z4

50ohm termination – Relm T44100 (100W, tested for S11 < 30dB up to 1.5GHz)

DC Clamp meter 100A

13,8V/25A Power Supply

Mesurments were made directly on the transceiver N-type antenna connectors (UHF/N adapter added on 2m connector) to avoid any cable losses or mismatch.



Power setting %	145MHz		435MHz		1295MHz	
	measured Pout [W]	PS current [A]	measured Pout [W]	PS current [A]	measured Pout [W]	PS current [A]
Tx \ Rx	--	1,33	--	1,43	--	1,47
0	0,374	2,75	0,400	2,63	0,076	
1	0,780	3,10	0,590		0,076	
2	1,27		0,960		0,121	
3	1,66		1,25		0,165	
4	2,49		1,87		0,243	
5	3,05		2,29	3,72	0,304	
6	4,15		2,99		0,408	
7	4,87		3,51		0,484	
8	6,25		4,52		0,610	
9	7,12		5,16		0,702	
10	8,80	5,90	6,37	5,12	0,851	2,18
11	9,31		6,76		0,931	
12	9,84		7,15		0,988	
13	10,4		7,54		1,04	
14	10,9		7,95		1,10	
15	11,8		8,57		1,16	
16	12,1		8,79		1,23	
17	13,0		9,45		1,29	
18	13,6		9,91		1,35	
19	14,3		10,4		1,42	
20	14,9	7,20	10,9	6,22	1,49	2,43
22	16,6		12,1		1,63	
24	18,1		13,1		1,77	
26	19,6		14,2		1,93	
28	21,5		15,6		2,08	
30	23,2		16,8		2,29	
35	28,0		20,3		2,73	
40	32,8		23,7		3,20	
45	38,6		27,8		3,72	
50	46,0	11,30	32,5	9,80	4,38	
55	49,2		35,1		4,73	
60	53,1		37,8		5,10	
65	57,2		41,0		5,47	
70	61,4		44,4		5,94	
75	66,6		47,4		6,34	
80	71,2		50,5		6,77	
85	76,2		54,0		7,30	
90	81,3		58,0		7,73	
95	97,5		61,4		8,29	
100	93,1	15,80	65,5	13,38	8,85	