

As I just shared on our Antenna Design slack channel, I was fortunate enough to pass the Extra exam yesterday. I had some top-notch instructors - Skip Ferguson/K5LLR and Keith Dutson/NM5G, who invested their time with a bunch of us over two weekends to help pull us up from the General to the Extra level in order to pass the test.

They also introduced me to the HamTestOnline.com test, which I highly recommend. I could not have aced the Extra exam without it. As you can see below, I started off failing the simulated extra exam at first, and within one week and two Saturday instruction sessions, passed the exam with flying colors. It took a commitment and a lot of testing, studying and retesting to get there, as you can see by my HamTestOnline journey below.

I started out failing, after weeks of self-study and taking the QRZ.com free simulated test, reading Gordon West's book (also highly recommended). Then I enrolled in Keith and Skip's Extra Class, and discovered HamTestOnline.com. As you can see below, my results improved immediately. That's because HamTestOnline reinforces learning as you go in many different ways. It shows you the correct answer at the top of the screen after each question is answered, along with the right answer, reinforcing your learning as you go. When you miss a question, it provides links to the study material, formulas and actual calculations (where applicable) in context, saving an enormous amount of time vs. thumbing back and forth to the books. As you can see below, I used a combination of Simulated Exams (just like the actual FCC test), coupled with studying my "weak areas" with exams comprised of primarily questions from the exam areas I was missing, then periodically I mixed in a Random test (randomly chosen questions vs. number of questions per category), along with occasionally testing against the "Unseen Items" (questions I had never seen yet).

I fully expected to pass the test when I took it, because I knew for certain I was ready based upon taking the test 58 times during a one week period (plus the QRZ.com test runs not shown here). That's an average of more than 8 times per day! That kind of constant testing, learning and reinforcement and cramming for the test using the book plus superb tools like HamTestOnline are unbelievably powerful. Note that these tests are also available for



Technician and General.







The practice exam with memory™ — Results

Number of items: 50 Number answered: 50

Number correct: 50 (37 required to pass)

Number incorrect: 0

Score: Pass! 100%

The practice exam with memory™ — History Most Nost													
Exam	Last access	Question pool	Exam type	frequently	frequently	Selected topics	Result		Exam size	Not answered	Incorrect	Correct	View question
		New Xtra	Simulated exam	All	missed	No		Fail!	50	0.(00)	16 (220)	24 (600)	
2		New Xtra	Weak areas	All	All	No No		Pass!	50	0 (0%)	16 (32%) 8 (16%)	34 (68%) 42 (84%)	View question
3	\$65	New Xtra	Simulated exam	All	All	No	_	Pass!	50	0 (0%)	9 (18%)	41 (82%)	View question
4	884	New Xtra	Simulated exam	All	All	No	_	Pass!	50	0 (0%)	9 (18%)	41 (82%)	
5	300 A	New Xtra	Simulated exam	All	All	No		Pass!	50		8 (16%)		View question
6	20072	New Xtra	Weak areas	All	All	No		Pass!	50	0 (0%)		42 (84%)	View questio
7	888	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	7 (14%) 5 (10%)	43 (86%) 45 (90%)	View questio View questio
8	ARA -					_			_				
9	ALA -	New Xtra	Simulated exam	All	All 75%	No No	_	Pass!	50 50	0 (0%)	5 (10%)	45 (90%)	View questio
10		New Xtra New Xtra	Weak areas Unseen items	All	75%	No.		Pass!	50	0 (0%)	9 (18%)	41 (82%)	View questio
11	MA AN	New Xtra	Simulated exam	All	75%	No		Pass!	50	0 (0%)	5 (10%)	40 (80%) 45 (90%)	View questio
_	JANAN.						_		_			()	View questio
12		New Xtra	Simulated exam	All	75%	No	_	Pass!	50	0 (0%)	7 (14%)	43 (86%)	View questio
13	000	New Xtra	Weak areas	All	75%	No	_	Pass!	50	0 (0%)	12 (24%)	38 (76%)	View question
14	AWA AWA	New Xtra	Unseen items	All	75%	No		Fail!	50	0 (0%)	15 (30%)	35 (70%)	View questio
15	WA AW	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	10 (20%)	40 (80%)	View question
16	VIVE CVIV	New Xtra	True random	All	All	No	_	Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
17	WA SW	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	8 (16%)	42 (84%)	View question
18	WARM.	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
19		New Xtra	True random	All	All	No	_	Pass!	50	0 (0%)	5 (10%)	45 (90%)	View questio
20	MA NO	New Xtra	True random	All	All	No	_	Pass!	50	0 (0%)	6 (12%)	44 (88%)	View question
21	NE ST	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
22	115.21	New Xtra	True random	All	All	No	_	Pass!	50	0 (0%)	6 (12%)	44 (88%)	View question
23	10.09	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
24		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
25	19.00	New Xtra	True random	All	All	No		Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
26	10/	New Xtra	Weak areas	All	All	No	_	Pass!	50	0 (0%)	7 (14%)	43 (86%)	View question
27	(7)	New Xtra	True random	All	All	No	_	Pass!	50	0 (0%)	5 (10%)	45 (90%)	View question
28		New Xtra	True random	All	All	No		Pass!	50	0 (0%)	1 (2%)	49 (98%)	View question
29		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
30	L VAVI III.	New Xtra	True random	All	All	No	•	Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
31		New Xtra	True random	All	All	No	•	Pass!	50	0 (0%)	1 (2%)	49 (98%)	View question
32		New Xtra	True random	All	All	No	-	Pass!	50	0 (0%)	2 (4%)	48 (96%)	View question
33		New Xtra	Simulated exam	All	All	No	_	Pass!	50	0 (0%)	7 (14%)	43 (86%)	View question
34		New Xtra	Simulated exam	All	All	No	_	Pass!	50	0 (0%)	5 (10%)	45 (90%)	View question
35		New Xtra	Simulated exam	All	All	No	•	Pass!	50	0 (0%)	2 (4%)	48 (96%)	View question
36	- //acallur	New Xtra	Simulated exam	All	All	No	_	Pass!	50	0 (0%)	5 (10%)	45 (90%)	View question
37		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	5 (10%)	45 (90%)	View question
38	/#EE	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	0 (0%)	50 (100%)	View question
39	ARTE HA	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
40	BREE W	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	6 (12%)	44 (88%)	View question
41	THE COUNTY	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
42	ACCC BY	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	4 (8%)	46 (92%)	View question
43	Marie de	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	1 (2%)	49 (98%)	View question
44	ALC: 18	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	1 (2%)	49 (98%)	View questi
45	March H	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View questi
46	WALLE H	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	0 (0%)	50 (100%)	View question
47	概念を第	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	2 (4%)	48 (96%)	View questi
48		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View questi
49		New Xtra	Unseen items	All	All	No		Pass!	50	0 (0%)	9 (18%)	41 (82%)	View question
50	10.00	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	1 (2%)	49 (98%)	View questi
51	200	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	0 (0%)	50 (100%)	View questi
52	Y W	New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View questi
53		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View questi
54		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	0 (0%)	50 (100%)	View questi
55		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	6 (12%)	44 (88%)	View questi
56		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	2 (4%)	48 (96%)	View question
		New Xtra	Simulated exam	All	All	No		Pass!	50	0 (0%)	3 (6%)	47 (94%)	View question
57										2 (4.4)	2 (20.00)	()	

Exam bar key:
Not answered Incorrect Correct



Very glad to have my Extra license. The additional bandwidth will be interesting. Mostly just glad it's over and I can check this one off the list!