

The Amateur Radio Crossword Puzzler "Filters For Fun"

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Let's see, I just put in a few hours in a major contest (the IARU HF Championship) and Field Day was a couple of weeks ago. Why would I be thinking about filters? Radio would be a lot more difficult, maybe impossible, without filters - they're everywhere, including the theme of this week's crossword!

Across

1. Work all fifty to get this award
 4. Parallel tuned circuit
 8. Stop
 10. Wheel used for lifting
 11. Number of filter sections
 12. Another term for broadcast band (abbr.)
 13. Filter made from inductors & capacitors (abbr.)
 14. Capacitor-and-clock filter
 19. From (CW abbr.)
 20. Correct
 21. Variations in a filter's passband
 23. The type of -pass for removing low frequencies
 25. No good (abbr.)
 26. Rotate opposite to 58
- Across
27. Medical technique using RF to form pictures of the body
 28. British term for high voltage (abbr.)
 29. A filter with a large bandwidth
 30. What 23 Across removes from a television
 31. Change or correct
 33. KP4's section abbreviation
 34. Frequencies below RF (abbr.)
 36. Adjust for maximum output
 37. A filter that dissipates a lot of signal

39. Can-and-coil filter
 43. Transfer of signal from filter section to section
 46. Between a second and a microsecond (abbr.)
 47. CW chuckle
 48. You're (CW abbr.)
 49. Light (abbr.)
 50. Filter that requires power
 52. Twin filter circuit
 54. Tool for holding
 56. Rotate opposite to 26
- Across
57. Attach a load
 58. Old abbreviation for a unit of frequency

Down

1. CW speed (abbr.)
2. Chemical symbol for element used to plate connector surfaces
3. Reduce speed
4. Measure to evaluate performance
5. RTTY tuning signal
6. The rating of a filter's ability to handle large signals
7. Document interchange format (abbr.)
8. Filters are used to reduce this (Q-signal)
9. Not used or busy
12. Unit of inductance common in audio filters
14. Term for filter's shape
15. Suffix meaning "like"
16. The frequency of a narrow filter's maximum response

17. Filtering with software
18. Counterpart to a filter's lower 3 dB frequency
19. Logarithmic ratio used to evaluate filters
20. Discoverer of fundamental electrical law
22. Small adjustments
24. A formula an answer
29. State of a famous college fight song (postal code)
32. Treatment filters deserve
33. Host country for WRTC-2006 (prefix)
35. Repair
36. Filter that works without power
38. Transmission line filter
40. Long period of time
41. Filter that passes everything
42. Confirm presence or operation
43. Team that operates a ship or craft
44. One component of a list
45. Amplification
46. Empty (abbr.)
48. World time (abbr.)
51. Neighbor possession to 33 Across
53. Semiconductor similar to Silicon (chemical symbol)
55. Local ARES leader (abbr.)

1	W	2	A	3	S	4	T	5	R	6	A	7	P	8	Q	9	U	10	I	11	T	
12	M	13	W	14	S	15	C	16	H	17	E	18	D	19	U	20	P	21	P	22	P	
23	H	24	I	25	G	26	H	27	N	28	G	29	P	30	C	31	C	32	W	33	T	
34	M	35	O	36	S	37	I	38	R	39	H	40	E	41	D	42	I	43	E	44	M	
45	R	46	T	47	V	48	I	49	T	50	D	51	R	52	B	53	A	54	E	55	A	
56	C	57	T	58	E	59	R	60	M	61	I	N	62	A	63	T	64	E	65	K	66	C