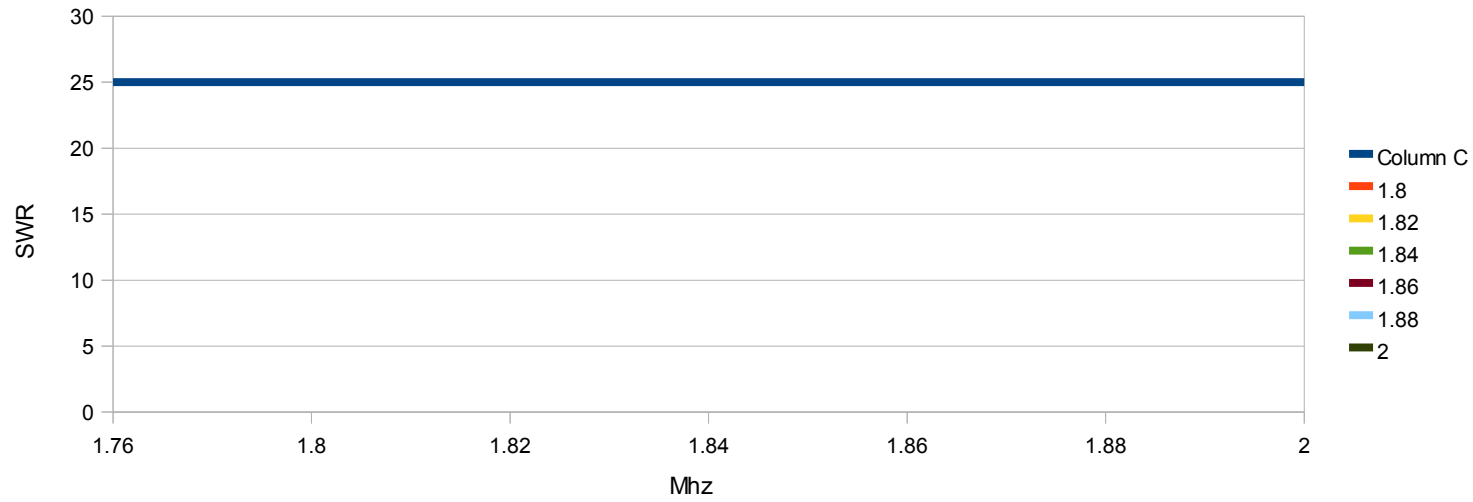


160m

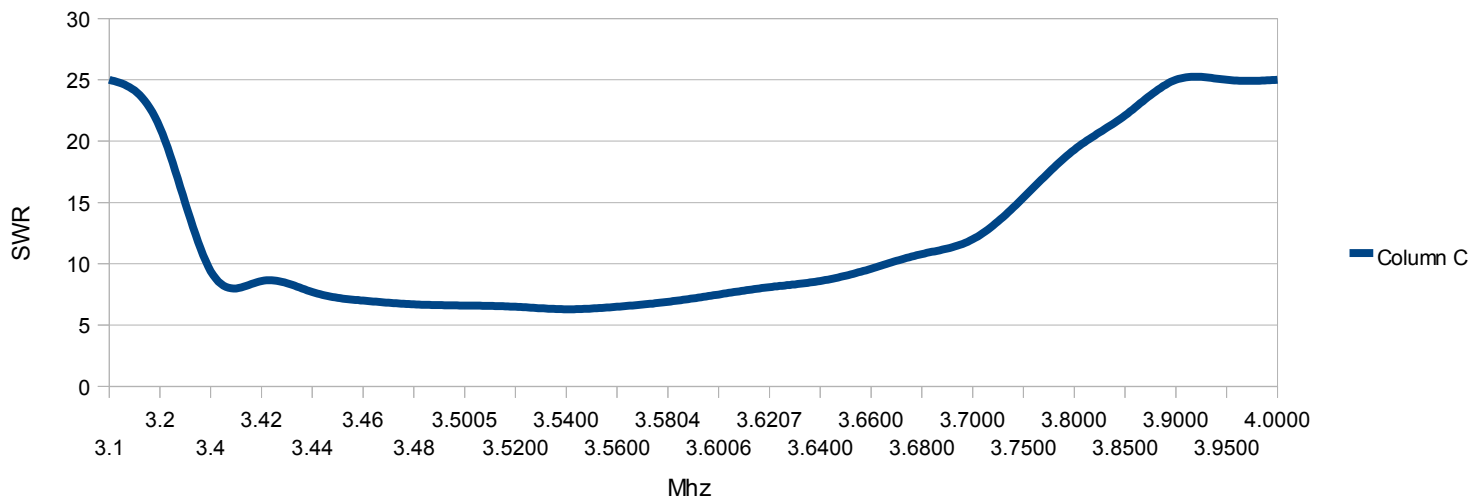
Alpha Delta DX-CC 160m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)		
out of band	1.76	25	25	0	28	28	90	3220	2.54
In band	1.8	25							
In band	1.82	25							
In band	1.84	25							
In band	1.86	25							
In band	1.88	25							
In band	2	25							



status	frequency	SWR	R	X	Z	theta? (degreC (pF)		I (uH)
out of band	3.1	25	25	1	76			
out of band	3.2	21.1	21.1	2	59			
out of band	3.4	9.4	9.4	5	38			
out of band	3.42	8.6	8.6	6	37			
out of band	3.44	7.7	7.7	6	36			
out of band	3.46	7	7	7	35			
out of band	3.48	6.7	6.7	8	34			
In band	3.5005	6.6	6.6	8	34	35	77	1336
In band	3.5200	6.5	6.5	8	34	34	75	1.56
In band	3.5400	6.3	6.3	8	33	34	75	
In band	3.5600	6.5	6.5	8	33			
In band	3.5804	6.9	6.9	7	33			
In band	3.6006	7.5	7.5	7	32			
In band	3.6207	8.1	8.1	6	31			
In band	3.6400	8.6	8.6	6	30			
In band	3.6600	9.6	9.6	5	29			
In band	3.6800	10.8	10.8	4	28			
In band	3.7000	12	12	3	27			
In band	3.7500	15.4	15.4	2	23			
In band	3.8000	19.3	19.3	2	19			
In band	3.8500	22.1	22.1	1	16			
In band	3.9000	25	25	1	13			
In band	3.9500	25	25	1	10			
In band	4.0000	25	25	1	8			

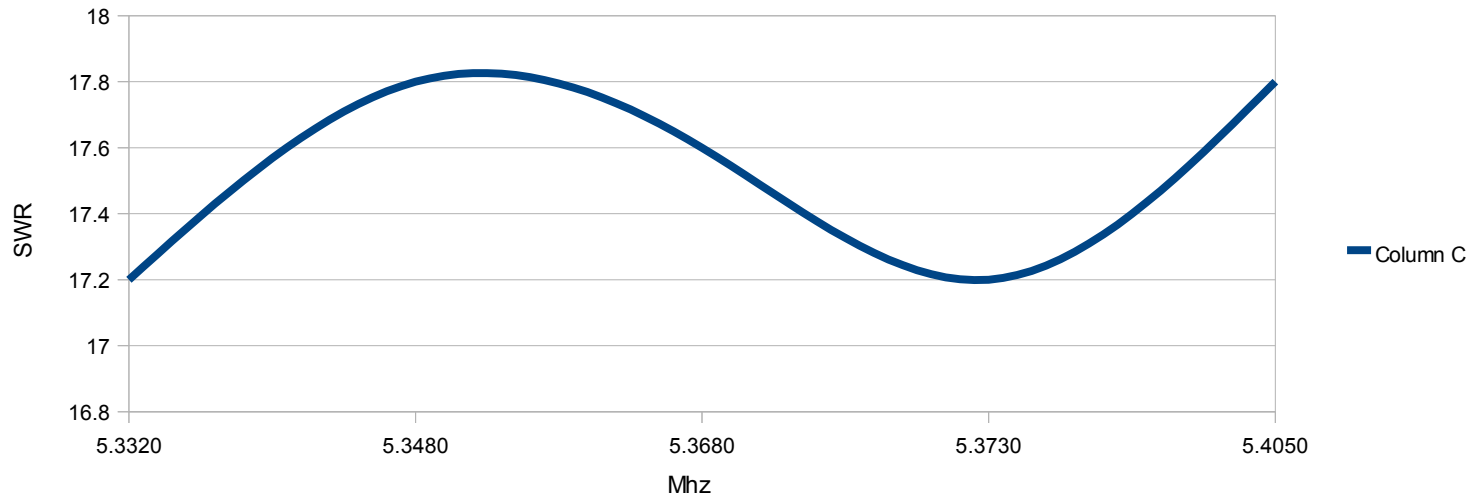
Goal: Tune to 3.800Mhz for phone



60m

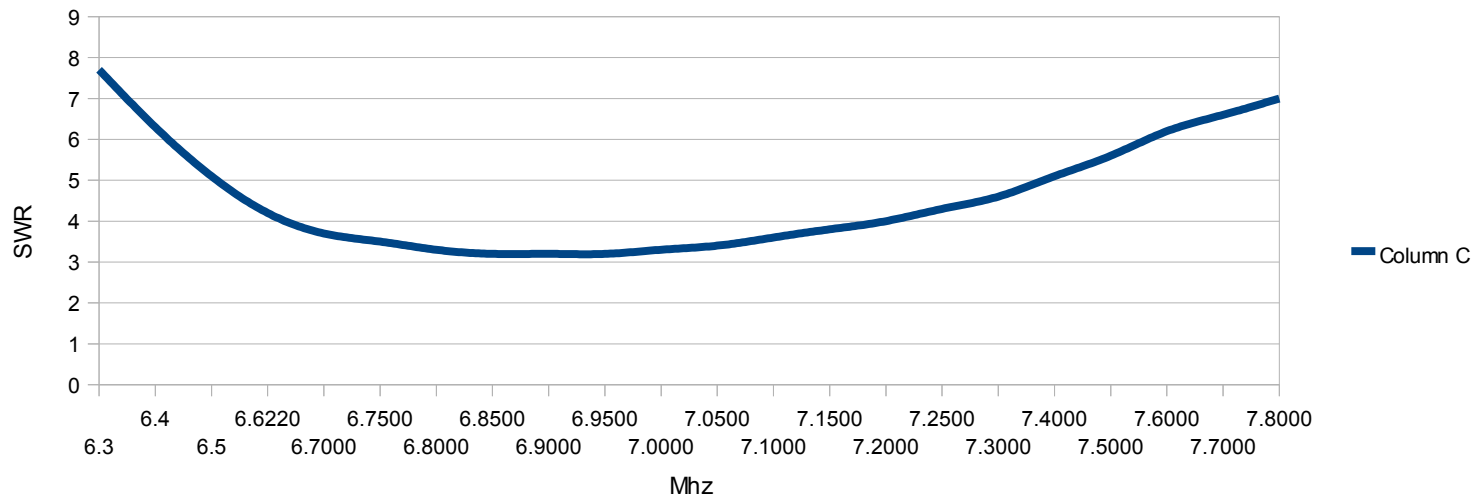
Alpha Delta DX-CC 60m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)	
in band	5.3320	17.2	75	321	329	77	92	9.35
in band	5.3480	17.8	75	313				
in band	5.3680	17.6	70	313				
in band	5.3730	17.2	65	313				
in band	5.4050	17.8	59	289				



Alpha Delta DX-CC 40m SWR sweep at Benton QTH

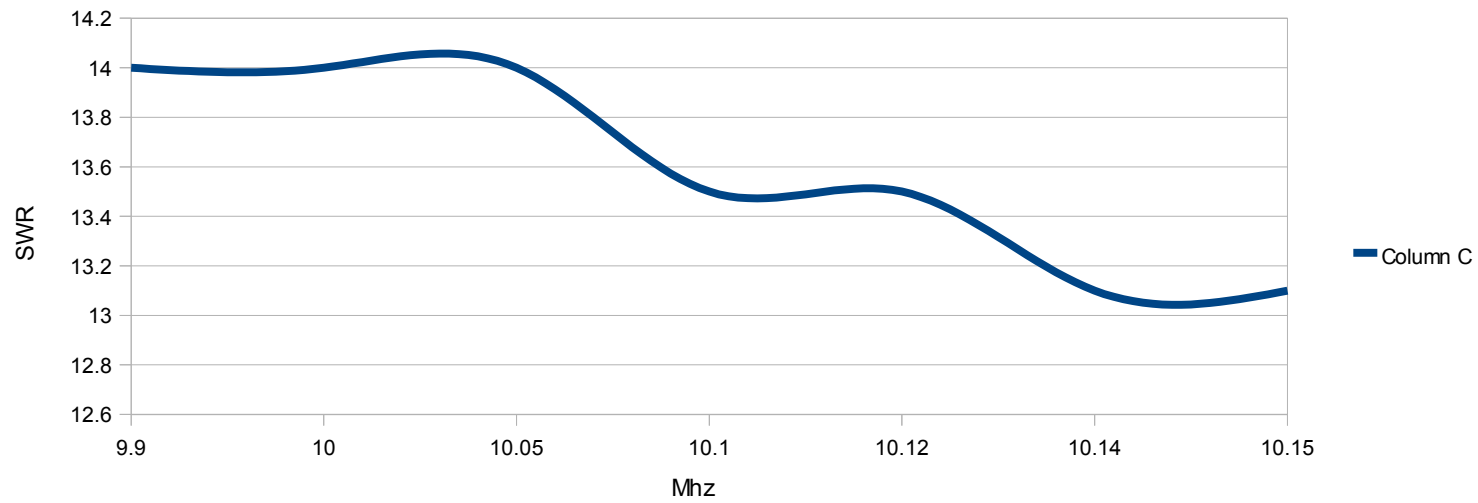
Status	frequency	SWR	R	X	Z	theta? (degC (pF)		I (uH)
out of band	6.3	7.7	7.7	5	22			
out of band	6.4	6.3	6.3	7	17			
out of band	6.5	5.1	5.1	8	14			
out of band	6.6220	4.2	4.2	10	15	18	53	1545
out of band	6.7000	3.7	3.7	12	16			0.37
out of band	6.7500	3.5	3.5	13	17			
out of band	6.8000	3.3	3.3	13	18			
out of band	6.8500	3.2	3.2	14	18			
out of band	6.9000	3.2	3.2	14	19			
out of band	6.9500	3.2	3.2	14	19			
In band	7.0000	3.3	3.3	13	19	Goal is 7.070 for digital modes		
In band	7.0500	3.4	3.4	13	19			
In band	7.1000	3.6	3.6	12	20			
In band	7.1500	3.8	3.8	12	21			
In band	7.2000	4	4	11	22			
In band	7.2500	4.3	4.3	11	23			
In band	7.3000	4.6	4.6	10	26			
out of band	7.4000	5.1	5.1	10	31			
out of band	7.5000	5.6	5.6	10	38			
out of band	7.6000	6.2	6.2	10	46			
out of band	7.7000	6.6	6.6	12	58			
out of band	7.8000	7	7	14	72			



30m

Alpha Delta DX-CC 30m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

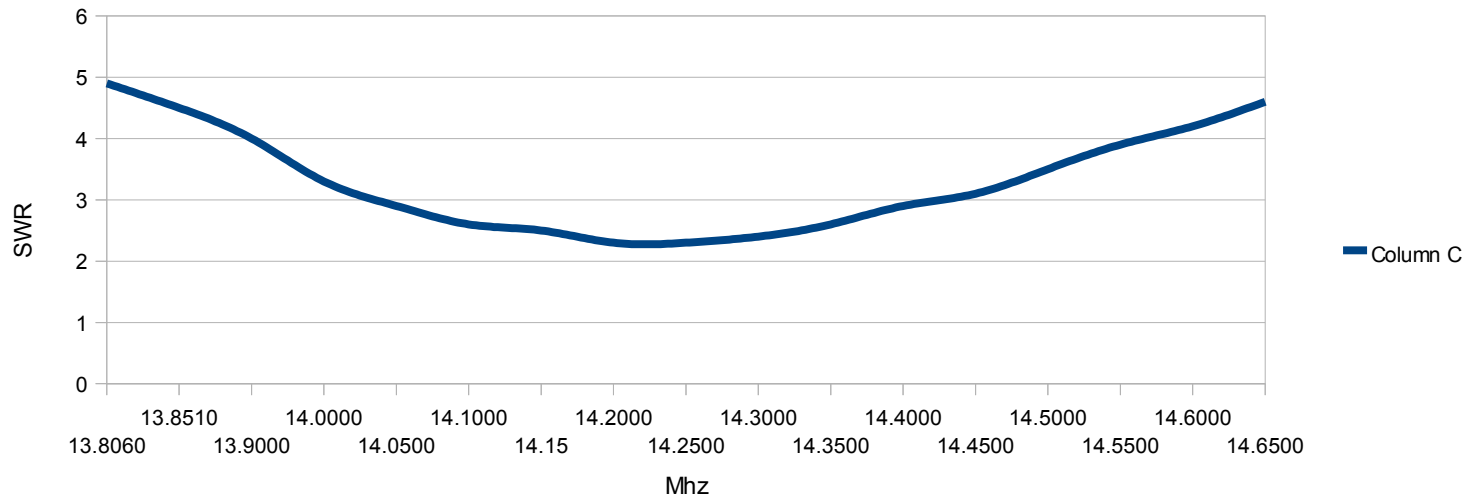
status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)		
out of band	9.9	14	14	2	22	21	83	729	0.35
in band	10	14	14	2	28				
in band	10.05	14	14	2	31				
in band	10.1	13.5	13.5	2	35				
in band	10.12	13.5	13.5	2	36				
in band	10.14	13.1	13.1	3	38				
in band	10.15	13.1	13.1	3	39				



Alpha Delta DX-CC 20m SWR sweep at Benton QTH

Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)
out of band	13.8060	4.9	30	80	86	70	142
out of band	13.8510	4.5	27	71			
out of band	13.9000	4	26	63			
In band	14.0000	3.3	24	49			
In band	14.0500	2.9	27	45			
In band	14.1000	2.6	28	42			
In band	14.15	2.5	29	41			
In band	14.2000	2.3	33	39			
In band	14.2500	2.3	33	40			
In band	14.3000	2.4	31	43			
In band	14.3500	2.6	30	45			
out of band	14.4000	2.9	27	45			
out of band	14.4500	3.1	22	45			
out of band	14.5000	3.5	20	43			
out of band	14.5500	3.9	16	40			
out of band	14.6000	4.2	14	37			
out of band	14.6500	4.6	12	34			

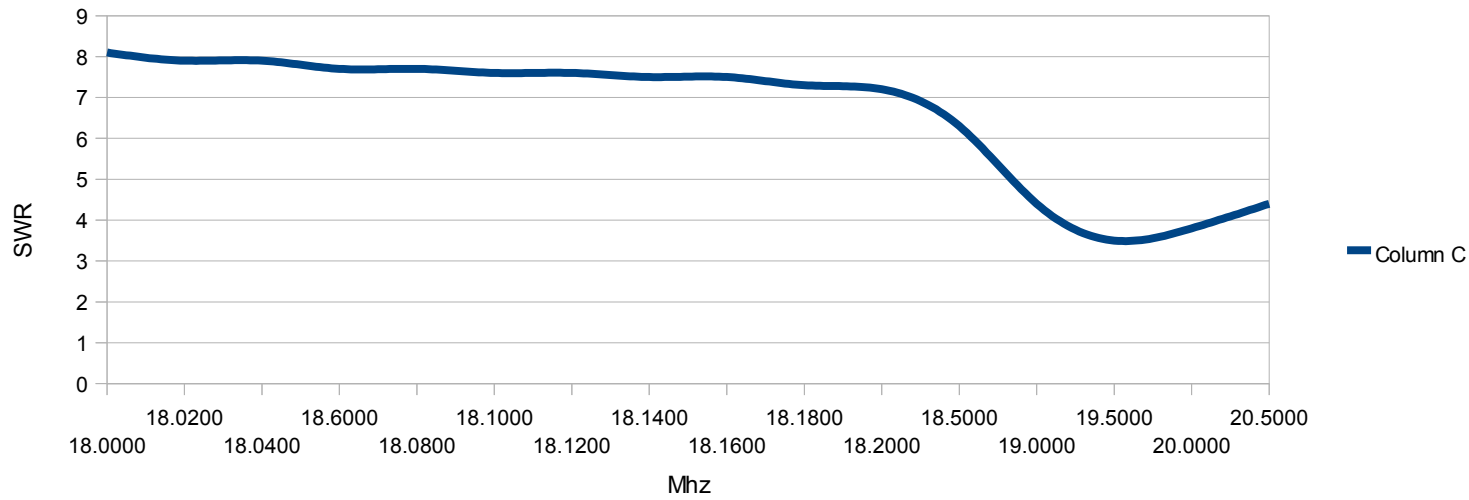
Goal is 7.07 for digital modes



17m

Alpha Delta DX-CC 17m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

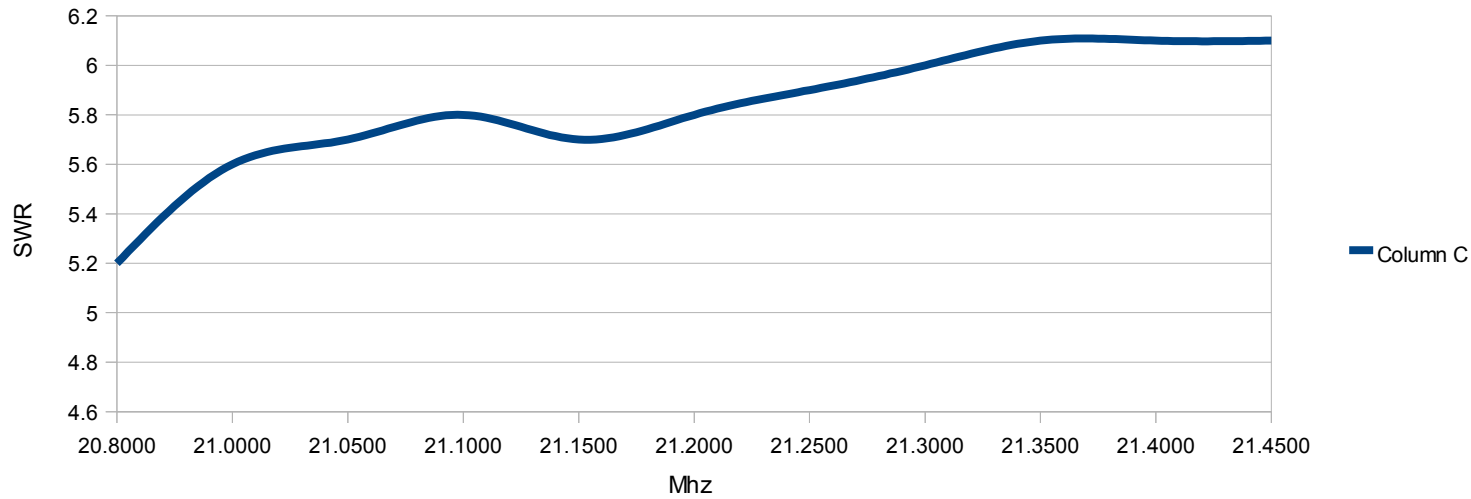
Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)
out of band	18.0000	8.1	6	20	21	73	427
out of band	18.0200	7.9	6	21			0.18
out of band	18.0400	7.9	6	22			
out of band	18.6000	7.7	6	23			
in band	18.0800	7.7	6	24			
in band	18.1000	7.6	6	26			
in band	18.1200	7.6	6	27			
in band	18.1400	7.5	6	29			
in band	18.1600	7.5	6	30			
out of band	18.1800	7.3	7	31			
out of band	18.2000	7.2	7	33			
out of band	18.5000	6.3	14	60			
out of band	19.0000	4.4	80	122			
out of band	19.5000	3.5	30	67			
out of band	20.0000	3.8	15	35			
out of band	20.5000	4.4	10	15			



15m

Alpha Delta DX-CC 15m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

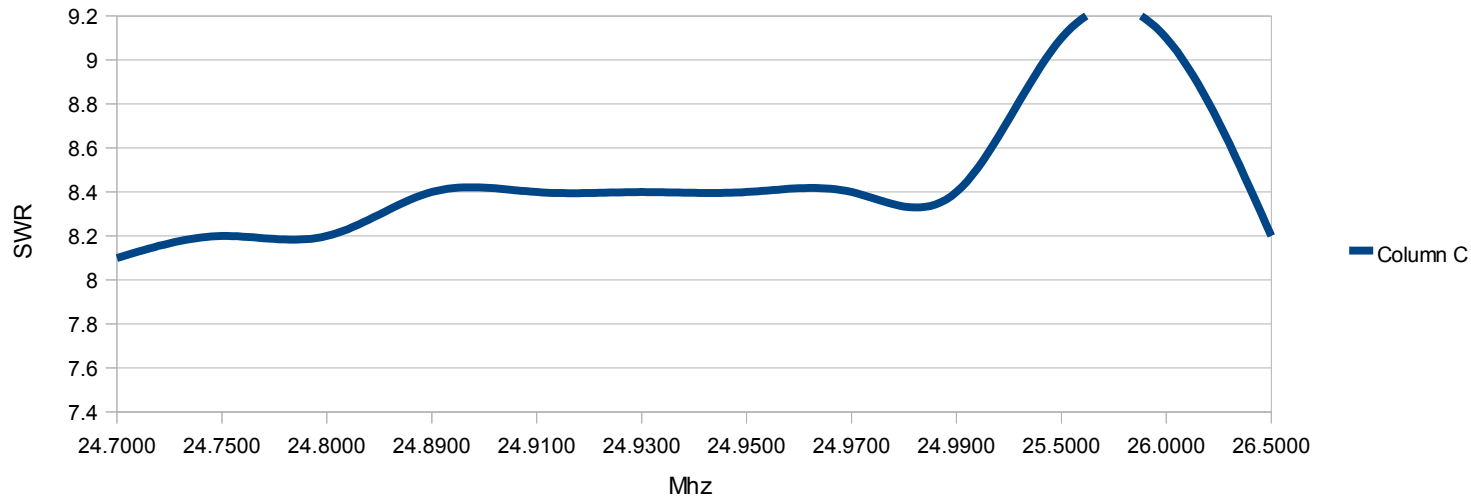
status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)	
out of band	20.8000	5.2	8	18	19	64	432	0.13
in band	21.0000	5.6	8	27				
in band	21.0500	5.7	8	30				
in band	21.1000	5.8	9	33				
in band	21.1500	5.7	9	37				
in band	21.2000	5.8	10	40				
in band	21.2500	5.9	10	45				
in band	21.3000	6	11	50				
in band	21.3500	6.1	12	55				
in band	21.4000	6.1	13	61				
in band	21.4500	6.1	16	67				



12m

Alpha Delta DX-CC 12m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

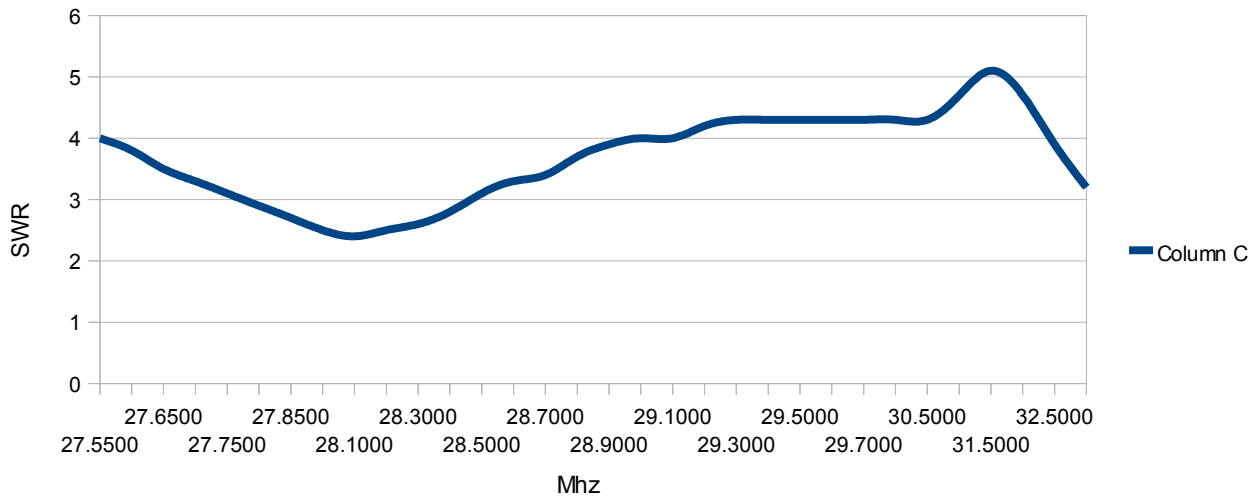
Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)
out of band	24.7000	8.1	68	176	186	69	36
out of band	24.7500	8.2	52	156			
out of band	24.8000	8.2	37	137			
in band	24.8900	8.4	22	109			
in band	24.9100	8.4	20	105			
in band	24.9300	8.4	19	99			
in band	24.9500	8.4	16	95			
in band	24.9700	8.4	16	90			
in band	24.9900	8.4	21	106			
out of band	25.5000	9.1	4	29			
out of band	26.0000	9.1	4	11			
out of band	26.5000	8.2	6	42			



10m

Alpha Delta DX-CC 10m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

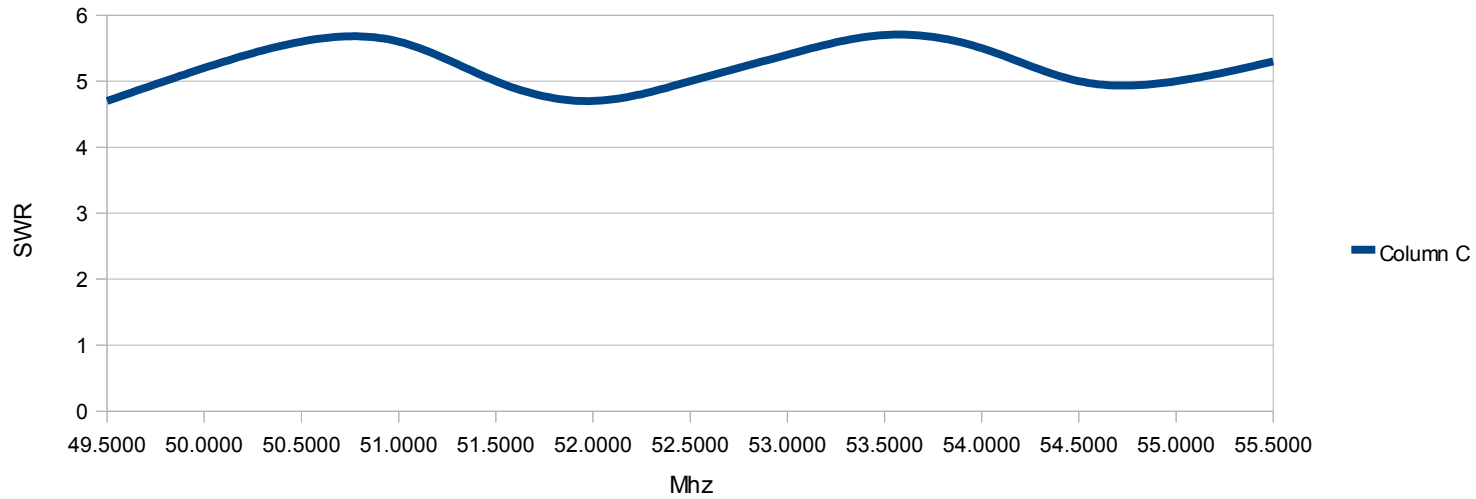
Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)
out of band	27.5500	4	28	73			
out of band	27.6000	3.8	26	65			
out of band	27.6500	3.5	24	58			
out of band	27.7000	3.3	24	52			
out of band	27.7500	3.1	23	48			
out of band	27.8000	2.9	25	44	51	62	129
out of band	27.8500	2.7	25	41			0.25
in band	28.0000	2.5	25	38			
in band	28.1000	2.4	25	36			
in band	28.2000	2.5	24	34			
in band	28.3000	2.6	21	31			
in band	28.4000	2.8	19	29			
in band	28.5000	3.1	15	26			
in band	28.6000	3.3	14	22			
in band	28.7000	3.4	13	19			
in band	28.8000	3.7	12	16			
in band	28.9000	3.9	11	16			
in band	29.0000	4	11	18			
in band	29.1000	4	10	21			
in band	29.2000	4.2	10	26			
in band	29.3000	4.3	10	32			
in band	29.4000	4.3	12	29			
in band	29.5000	4.3	14	46			
in band	29.6000	4.3	17	56			
in band	29.7000	4.3	22	67			
out of band	30.0000	4.3	62	107			
out of band	30.5000	4.3	29	80			
out of band	31.0000	4.7	10	34			
out of band	31.5000	5.1	8	14			
out of band	32.0000	4.7	10	35			
out of band	32.5000	3.9	34	81			
out of band	33.2000	3.2	36	75			



6m

Alpha Delta DX-CC 6m SWR sweep at Benton QTH using MFJ 259B (firmware 4.35 2004)

Status	frequency	SWR	R	X	Z	theta? (degreC (pF)	I (uH)
out of band	49.5000	4.7	60	116	133	61	27
in band	50.0000	5.2	13	49			
in band	50.5000	5.6	7	18			
in band	51.0000	5.6	9	20			
in band	51.5000	5	18	56			
in band	52.0000	4.7	79	125			
in band	52.5000	5	22	72			
in band	53.0000	5.4	8	29			
in band	53.5000	5.7	8	13			
in band	54.0000	5.5	12	38			
in band	54.5000	5	42	96			
out of band	55.0000	5	51	107			
out of band	55.5000	5.3	10	42			



other low SWR

frequency	SWR	R	X	Z	theta? (deg)	C (pF)	I (uH)
42.6760	2.8	16	21	27	54	170	0.08

Notes

03/11/10

- 1 This MJF unit's "tune" knob is tough to get on a stable freq
- 2 This MFJ unit doesn't do any averaging so you have to eyeball it
- 3 measurements done on a fairly dry POST rainy week; COLD; clear skys