

$$F_{vfo} = 2(N) - F_{out} + 270$$

75 Meters	↑	4.000	$F_{vfo} = 4.000 - .270 = 3.730$	↑ MF Tuning Dial $F_{out} + .270$
		3.900	$3.900 - .270 = 3.630$	
		3.500	$3.500 - .270 = 3.230$	

Note: LSB is USB on Panel

40 Meters	↑	7.300	$F_{vfo} = 2(5) - 7.300 + .270 = 2.970$	↓
		7.200	3.070	
		7.000	$2(5) - 7.000 + .270 = 3.270$	

20 Meters	↑	14.350	$F_{vfo} = 2(9) - 14.350 + .270 = 3.920$	↓
		14.300	14.3 3.970	
		14.270	$2(9) - 14.270 + .270 = 4.000$	
		14.270	$2(8) - 14.270 + .270 = 2.000$	
		14.000	$2(8) - 14.000 + .270 = 2.270$	

15 Meters	↑	21.450	$2(12) - 21.450 + .270 = 2.820$	↓
		21.000	$2(12) - 21.000 + .270 = 3.270$	

10 Meters	↑	29.700	$2(16) - 29.700 + .270 = 2.570$	↓
		28.270	$2(16) - 28.270 + .270 = 4.000$	
		28.270	$2(15) - 28.270 + .270 = 2.000$	
		28.000	$2(15) - 28.000 + .270 = 2.270$	

Opr.
freq VFO

Lower

3.500-3230	3.550-3280	3.820-3550	3.870-3600	3.950-3680
01-3231	60-3290	21-3551	71-3601	51-3681
02-3232	70-3300	22-3552	72-3602	52-3682
03-3233	80-3310	23-3553	73-3603	53-3683
04-3234	90-3320	24-3554	64-3604	54-3684
05-3235	3.600-3330	25-3555	65-3605	55-3685
06-3236	10-3340	26-3556	66-3606	56-3686
07-3237	20-3350	27-3557	67-3607	57-3687
08-3238	30-3360	28-3558	68-3608	58-3688
09-3239	40-3370	29-3559	69-3609	59-3689
3.510-3240	50-3380	3.830-3560	3.880-3610	3.960-3690
11-3241	60-3390	31-3561	81-3611	61-3691
12-3242	70-3400	32-3562	82-3612	62-3692
13-3243	80-3410	33-3563	83-3613	63-3693
14-3244	90-3420	34-3564	84-3614	64-3694
15-3245	3.700-3430	35-3565	85-3615	65-3695
16-3246	10-3440	36-3566	86-3616	66-3696
17-3247	20-3450	37-3567	87-3617	67-3697
18-3248	30-3460	38-3568	88-3618	68-3698
19-3249	40-3470	39-3569	89-3619	69-3699
3.520-3250	50-3480	3.840-3570	3.890-3620	3.970-3700
21-3251	60-3490	41-3571	91-3621	71-3701
22-3252	70-3500	42-3572	92-3622	72-3702
23-3253	80-3510	43-3573	93-3623	73-3703
24-3254	90-3520	44-3574	94-3624	74-3704
25-3255	91-3521	45-3575	95-3625	75-3705
26-3256	92-3522	46-3576	96-3626	76-3706
27-3257	93-3523	47-3577	97-3627	77-3707
28-3258	94-3524	48-3578	98-3628	78-3708
29-3259	95-3525	49-3579	99-3629	79-3709
3.530-3260	96-3526	3.850-3580	3.900-3630	3.980-3710
31-3261	97-3527	51-3581	01-3631	81-3711
32-3262	98-3528	52-3582	02-3632	82-3712
33-3263	99-3529	53-3583	03-3633	83-3713
34-3264	3.800-3530	54-3584	04-3634	84-3714
35-3265	01-3531	55-3585	05-3635	85-3715
36-3266	02-3532	56-3586	06-3636	86-3716
37-3267	03-3533	57-3587	07-3637	87-3717
38-3268	04-3534	58-3588	08-3638	88-3718
39-3269	05-3535	59-3589	09-3639	89-3719
3.540-3270	06-3536	3.860-3590	3.910-3640	90-3720
41-3271	07-3537	61-3591	15-3641	91-3721
42-3272	08-3538	62-3592	20-3642	92-3722
43-3273	09-3539	63-3593	25-3643	93-3723
44-3274	3.810-3540	64-3594	30-3644	94-3724
45-3275	11-3541	65-3595	35-3645	95-3725
46-3276	12-3542	66-3596	40-3646	96-3726
47-3277	13-3543	67-3597	45-3647	97-3727
48-3278	14-3544	68-3598		98-3728
49-3279	15-3545	69-3599		99-3729
3.550-3280	16-3546			4 000-3730
	17-3547			
	18-3548			
	19-3549			

3.800 - 270 = 3.530 VFO setting

3530 = 3.8 mcs

Exciter must be on USB. Automatic reversal to LSB.

A. R. Farola

Opr
freq VFO

7 000-3270	7 200-3070	256-3014
001-3269	201-3069	257-3013
002-3268	202-3068	258-3012
003-3267	203-3067	259-3011
004-3266	204-3066	7.260-3010
005-3265	205-3065	261-3009
006-3264	206-3064	262-3008
007-3263	207-3063	263-3007
008-3262	208-3062	264-3006
009-3261	209-3061	265-3005
7.010-3260	7.210-3060	266-3004
011-3259	211-3059	267-3003
012-3258	212-3058	268-3002
013-3257	213-3057	269-3001
014-3256	214-3056	7.270-3000
015-3255	215-3055	271-2999
016-3254	216-3054	272-2998
017-3253	217-3053	273-2997
018-3252	218-3052	274-2996
019-3251	219-3051	275-2995
7 020-3250	7.220-3050	276-2994
025-3245	221-3049	277-2993
7 030-3240	222-3048	278-2992
035-3235	223-3047	279-2991
7 040-3230	224-3046	7.280-2990
045-3225	225-3045	281-2989
7.050-3220	226-3044	282-2988
055-3215	227-3043	283-2987
7.060-3210	228-3042	284-2986
065-3205	229-3041	285-2985
7 070-3200	7.230-3040	286-2984
075-3195	231-3039	287-2983
7.080-3190	232-3038	288-2982
085-3185	233-3037	289-2981
7 090-3180	234-3036	7.290-2980
095-3175	235-3035	291-2979
7.100-3170	236-3034	292-2978
105-3165	237-3033	293-2977
7.110-3160	238-3032	294-2976
115-3155	239-3031	295-2975
7.120-3150	7.240-3030	296-2974
125-3145	241-3029	297-2973
7.130-3140	242-3028	298-2972
135-3135	243-3027	299-2971
7.140-3130	244-3026	7.300-2970
145-3125	245-3025	
7.150-3120	246-3024	
155-3115	247-3023	
7 160-3110	248-3022	
165-3105	249-3021	
7 170-3100	7.250-3020	
175-3095	251-3019	
7 180-3090	252-3018	
185-3085	253-3017	
7 190-3080	254-3016	
195-3075	255-3015	

$$\begin{aligned}
 2.000 \times 5 &= 10.000 \\
 10.000 - 7.000 &= 3.000 \\
 3.000 + .270 &= 3.270 = \text{VFO setting}
 \end{aligned}$$

$$3.270 = 7 \text{ mcs}$$

Cpr.
freq VFO

UPPER

14.200-2070

201-2069

202-2068

203-2067

204-2066

205-2065

206-2064

207-2063

208-2062

209-2061

14.210-2060

211-2059

212-2058

213-2057

214-2056

215-2055

216-2054

217-2053

218-2052

219-2051

14.220-2050

221-2049

222-2048

223-2047

224-2046

225-2045

226-2044

227-2043

228-2042

229-2041

14.230-2040

231-2039

232-2038

233-2037

234-2036

235-2035

236-2034

237-2033

238-2032

239-2031

240-2030

241-2029

242-2028

243-2027

244-2026

245-2025

246-2024

247-2023

248-2022

249-2021

14.250-2020

14.250-2020

251-2019

252-2018

253-2017

254-2016

255-2015

256-2014

257-2013

258-2012

259-2011

14.260-2010

261-2009

262-2008

263-2007

264-2006

265-2005

266-2004

267-2003

268-2002

269-2001

14.270-2000

271-3999

272-3998

273-3997

274-3996

275-3995

276-3994

277-3993

278-3992

279-3991

14.280-3990

281-3989

282-3988

283-3987

284-3986

285-3985

286-3984

287-3983

288-3982

289-3981

14.290-3980

291-3979

292-3978

293-3977

294-3976

295-3975

296-3974

297-3973

298-3972

299-3971

14.300-3970

301-3969

302-3968

303-3967

304-3966

305-3965

306-3964

307-3963

308-3962

309-3961

14.310-3960

311-3959

312-3958

313-3957

314-3956

315-3955

316-3954

317-3953

318-3952

319-3951

14.320-3950

321-3949

322-3948

323-3947

324-3946

325-3945

326-3944

327-3943

328-3942

329-3941

14.330-3940

331-3939

332-3938

333-3937

334-3936

335-3935

336-3934

337-3933

338-3932

339-3931

14.340-3930

341-3929

342-3928

343-3927

344-3926

345-3925

346-3924

347-3923

348-3922

349-3921

14.350-3920 LIMIT

14.27 to 14.35 mcs

2000 x 9 = 18.000

18.000 = 14.350 = 3.650

3.650 + .270 = 3.920 VFO setting

3920 = 14.35 mcs

14.0 to 14.27 mcs

2.000 x 8 = 16.000

16.000 = 14.000 = 2.000

2.000 + .270 = 2.270 VFO setting

2270 = 14.0 mcs

CW

14.000-2270

001-2269

002-2268

003-2267

004-2266

005-2265

006-2264

007-2263

008-2262

009-2261

14.010-2260

015-2255

14.020-2250

025-2245

14.030-2240

035-2235

14.040-2230

045-2225

14.050-2220

055-2215

14.060-2210

065-2205

14.070-2200

075-2195

14.080-2190

085-2185

14.090-2180

095-2175

14.100-2170

110-2160

120-2150

130-2140

140-2130

150-2120

160-2110

170-2100

180-2090

190-2080

14.191-2079

192-2078

193-2077

194-2076

195-2075

196-2074

197-2073

198-2072

199-2071

0111000

Opr. freq VFO	Opr. freq VFO	Opr freq VFO	Opr freq VFO	Opr. freq VFO
21,250-3020	21,300-2970	21,350-2920	21,400-2870	21,450-2820 - LIMIT
21,251-3019	01-2969	51-2919	01-2869	
21,252-3018	02-2968	52-2918	02-2868	
21,253-3017	03-2967	53-2917	03-2867	
21,254-3016	04-2966	54-2916	04-2866	
21,255-3015	05-2965	55-2915	05-2865	C.W.
21,256-3014	06-2964	56-2914	06-2864	21,245-3025
21,257-3013	07-2963	57-2913	07-2863	40-3030
21,258-3012	08-2962	58-2912	08-2862	35-3035
21,259-3011	09-2961	59-2911	09-2861	30-3040
21,260-3010	21,310-2960	21,360-2910	21,410-2860	25-3045
21,261-3009	11-2959	61-2909	11-2859	20-3050
21,262-3008	12-2958	62-2908	12-2858	15-3055
21,263-3007	13-2957	63-2907	13-2857	10-3060
21,264-3006	14-2956	64-2906	14-2856	05-3065
21,265-3005	15-2955	65-2905	15-2855	21,200-3070
21,266-3004	16-2954	66-2904	16-2854	195-3075
21,267-3003	17-2953	67-2903	17-2853	90-3080
21,268-3002	18-2952	68-2902	18-2852	85-3085
21,269-3001	19-2951	69-2901	19-2851	80-3090
21,270-3000	21,320-2950	21,370-2900	21,420-2850	75-3095
21,271-2999	21-2949	71-2899	21-2849	70-3100
21,272-2998	22-2948	72-2898	22-2848	65-3105
21,273-2997	23-2947	73-2897	23-2847	60-3110
21,274-2996	24-2946	74-2896	24-2846	55-3115
21,275-2995	25-2945	75-2895	25-2845	21,150-3120
21,276-2994	26-2944	76-2894	26-2844	45-3125
21,277-2993	27-2943	77-2893	27-2843	40-3130
21,278-2992	28-2942	78-2892	28-2842	35-3135
21,279-2991	29-2941	79-2891	29-2841	30-3140
21,280-2990	21,330-2940	21,380-2890	21,430-2840	25-3145
21,281-2989	31-2939	81-2889	31-2839	20-3150
21,282-2988	32-2938	82-2888	32-2838	15-3155
21,283-2987	33-2937	83-2887	33-2837	10-3160
21,284-2986	34-2936	84-2886	34-2836	05-3165
21,285-2985	35-2935	85-2885	35-2835	21,100-3170
21,286-2984	36-2934	86-2884	36-2834	095-3175
21,287-2983	37-2933	87-2883	37-2833	090-3180
21,288-2982	38-2932	88-2882	38-2832	085-3185
21,289-2981	39-2931	89-2881	39-2831	080-3190
21,290-2980	21,340-2930	21,390-2880	21,440-2830	075-3195
21,291-2979	41-2929	91-2879	41-2829	070-3200
21,292-2978	42-2928	92-2878	42-2828	065-3205
21,293-2977	43-2927	93-2877	43-2827	060-3210
21,294-2976	44-2926	94-2876	44-2826	055-3215
21,295-2975	45-2925	95-2875	45-2825	21,050-3220
21,296-2974	46-2924	96-2874	46-2824	045-3225
21,297-2973	47-2923	97-2873	47-2823	040-3230
21,298-2972	48-2922	98-2872	48-2822	035-3235
21,299-2971	49-2921	99-2871	49-2821	030-3240
				025-3245
				005-3265
				21,000-3270

2 000 x 12 = 24.000
 24 000 - 21.250 = 2.750
 2 750 + 270 = 3.020=VFO.setting
 3 020 - 21.250 = 1.770

FREER Dial
 40 30
 45 35
 50 40
 55 45
 60 50
 65 55
 70 60
 75 65
 80 70
 85 75
 90 80
 95 85
 100 90