

FORMAC 700 (LC7120-PLL) EXPORT

by B.W.

Out-of-the-box: S/N 500072

RF Power in high across entire band 5.0-5.9W. Modulation was highest on Lo Power mode at 50%. Echo worked perfect, actually was surprised, sounds like a high-priced reverb! Rejection is still being over-looked by the manufacturers!

A-Band		B-Band		C-Band		D-Band		E-Band	
Chan- nel	MHz Frequency	Chan- nel	MHz Frequency	Chan- nel	MHz Frequency	Chan- nel	MHz Frequency	Chan- nel	MHz Frequency
1	25,615	1	26,065	1	26,515	1	26,965	1	27,415
2	25,625	2	26,075	2	26,525	2	26,975	2	27,425
3	25,635	3	26,085	3	26,535	3	26,985	3	27,435
4	25,655	4	26,105	4	26,555	4	27,005	4	27,455
5	25,665	5	26,115	5	26,565	5	27,015	5	27,465
6	25,675	6	26,125	6	26,575	6	27,025	6	27,475
7	25,688	7	26,135	7	26,585	7	27,035	7	27,485
8	25,705	8	26,155	8	26,605	8	27,055	8	27,505
9	25,715	9	26,165	9	26,615	9	27,065	9	27,515
10	25,725	10	26,175	10	26,625	10	27,075	10	27,525
11	25,735	11	26,185	11	26,635	11	27,086	11	27,535
12	25,755	12	26,205	12	26,655	12	27,105	12	27,555
13	25,765	13	26,215	13	26,665	13	27,115	13	27,565
14	25,775	14	26,225	14	26,675	14	27,125	14	27,575
15	25,785	15	26,235	15	26,685	15	27,135	15	27,585
16	25,805	16	26,255	16	26,705	16	27,155	16	27,605
17	25,815	17	26,265	17	26,715	17	27,165	17	27,615
18	25,825	18	26,275	18	26,725	18	27,175	18	27,625
19	25,835	19	26,285	19	26,735	19	27,185	19	27,635
20	25,855	20	26,305	20	26,755	20	27,205	20	27,655
21	25,865	21	26,315	21	26,765	21	27,215	21	27,665
22	25,875	22	26,325	22	26,775	22	27,225	22	27,675
23	25,905	23	26,355	23	26,805	23	27,255	23	27,705
24	25,885	24	26,335	24	26,785	24	27,235	24	27,685
25	25,895	25	26,345	25	26,795	25	27,245	25	27,695
26	25,905	26	26,365	26	26,815	26	27,265	26	27,715
27	25,925	27	26,375	27	26,825	27	27,275	27	27,725
28	25,935	28	26,385	28	26,835	28	27,285	28	27,735
29	25,945	29	26,395	29	26,845	29	27,295	29	27,745
30	25,955	30	26,405	30	26,855	30	27,305	30	27,755
31	25,965	31	26,415	31	26,865	31	27,315	31	27,765
32	25,935	32	26,475	32	26,875	32	27,325	32	27,775
33	25,985	33	26,435	33	26,885	33	27,335	33	27,785
34	25,995	34	26,445	34	26,895	34	27,345	34	27,795
35	26,005	35	26,455	35	26,905	35	27,355	35	27,805
36	26,015	36	26,465	36	26,915	36	27,365	36	27,815
37	26,025	37	26,475	37	26,925	37	27,375	37	27,825
38	26,035	38	26,485	38	26,935	38	27,385	38	27,835
39	26,045	39	26,495	39	26,945	39	27,395	39	27,845
40	26,055	40	26,505	40	26,955	40	27,405	40	27,855

Adjustments are as follows: The VR3 next to where R145 is located (which isn't there anyway) is for FM Deviation adjustment.

VR1 - TX Mtr; VR3 - Lo Power Modulation; VR4 - Mid Power Mod;
 VR5 - Hi Power Mod; VR6 - Mid RF Power Level; VR7 - Low RF Power Level;
 VR8 - Sq Range; VR9 - RX Mtr. *There are 3 adjustments on the ECHO PCB, stay out of!

Some of the TX Fo's were off by 200-400Hz, adjusting CT's (3-7) would not bring frequency down. By adding 4-5pF to trimmer; hole is there for part; could adjust dead-on. BUT; then couldn't adjust up in frequency to get the 0's. (I left this particular unit as is; so whoever gets it can play with this; as shifts an entire band).

RX-LT12, LT13, LT14, LT15, LT16, and LT17. Rejection isn't that good, try doubling up the filters. TX-LT8, LT7, LT6, LT5, (LT4, LT3, and LT2 may be adjusted also; but be careful as glued).

Final checkout on this particular unit was in Low Power 1.5W dead key, 95% modulation; more than enough as was driving people crazy with the ECHO turned on and peaking 8W!

If you can find one grab it while you can, as won't be around for long.....