

L3 CARRIER OVERALL SYSTEM FREQUENCY CHARTS AND LEVEL DIAGRAM

Charts 1 through 3 provide frequency translation for mastergroups 1 through 3, respectively. All frequencies shown, except those frequencies designated carrier or group pilot, are sideband frequencies obtained by applying 1000 Hz to a given channel. At all modulation and demodulation steps, the lower sidebands are used. All frequencies are in kilohertz.

This section is reissued to correct levels in Table A and to make other minor corrections. Also, the information in Addendum 359-080-501, Issue 1, is included in this reissue. Arrows are not used to indicate changes. ***Equipment Test Lists are not affected.***

In the LMX-1 terminal, each mastergroup is formed by an indirect two-step submastergroup translation. In the LMX-2 terminal, each mastergroup is formed by direct translation of all its supergroups. The submastergroup steps of translation are eliminated through use of four new supergroups designated D25, D26, D27, and D28. The D indicates direct translation, while the numbers indicate that these supergroups appear in the basic mastergroup at the same frequencies as the older supergroups designated 25, 26, 27, and 28.

Figures 1 through 4 show transmission paths and transmission levels. The levels given are nominal values for typical LMX-1 or LMX-2 terminal equipment and should be used for ***reference only.*** Table A lists the line pilot frequencies and their nominal levels at specified test points.

TABLE A
L3 CARRIER SYSTEM NOMINAL LINE PILOT LEVELS (DBM)

PILOT FREQ (KHZ)	L3 CARRIER				TH MICROWAVE RADIO			
	MEASURING POINT				MEASURING POINT			
	TRANSMITTING		RECEIVING		TRANSMITTING		RECEIVING	
	TRSG HYB OUT B	FLAT AMP T OUT	LINE AMP OUT	PILOT HYB OUT A	TRSG HYB OUT B	TRSG SW IN MON	REC SW OUT MON	TH TRK OUT
308	-69.8	-36.0	-36.0	-36.0	-61.8	-46.4	-43.4	-40.2
556	-69.8	-36.0	-36.0	-36.0	_____	_____	_____	_____
2064	-69.8	-36.0	-36.0	-36.0	_____	_____	_____	_____
3096	-69.8	-36.0	-36.0	-36.0	_____	_____	_____	_____
7266	-49.8	-16.0	-16.0	-16.0	_____	_____	_____	_____
8320	-59.8	-26.0	-26.0	-26.0	-50.4	-35.0	-32.0	-28.8

CHART 1

FREQUENCIES FOR LMX-1 (L3) AND LMX-2 (L1860A) CARRIER SYSTEMS — MASTERGROUP 1, GROUPS 1 THROUGH 5

CHANNEL BANK			BASIC SUPERGROUP	MASTERGROUP 1 — NO CARRIER																	
CHANNEL	CHANNEL CARRIER	1000 HZ ON CHANNEL		5 CHANNEL GROUPS	FREQ 312 TO 552	LMX-1 — SUBMASTERGROUP 1, NO CARRIER LMX-2 — DIRECT FORMATION								LMX-1 — SUBMASTERGROUP 2, CARRIERS 13,000 AND 14,040 KHZ LMX-2 — DIRECT (D) FORMATION							
						SG 112 CARRIER 0	SG 113 CARRIER 1116	SG 114 CARRIER 1364	SG 115 CARRIER 1612	SG 116 CARRIER 1860	SG 117 CARRIER 2108	SG 118 CARRIER 2356	SG 125 CARRIER 1612	SG 1D25 CARRIER 2652	SG 126 CARRIER 1860	SG 1D26 CARRIER 2900	SG 127 CARRIER 2108	SG 1D27 CARRIER 3148	SG 128 CARRIER 2356	SG 1D28 CARR ER 3396	
					FREQ 312 to 552	FREQ 564 to 804	FREQ 812 to 1052	FREQ 1060 to 1300	FREQ 1308 to 1548	FREQ 1556 to 1796	FREQ 1804 to 2044	FREQ 2100 to 2340	FREQ 2348 to 2588	FREQ 2596 to 2856	FREQ 2844 to 3084						
1	108	107	Group 1 Carrier 420	313	313	803	1051	1299	1547	1795	2043	2339	2587	2835	3083						
GP	104.08			315.92	315.92	800.08	1048.08	1296.08	1544.08	1792.08	2040.08	2336.08	2584.08	2832.08	3080.08						
2	104	103		317	317	799	1047	1295	1543	1791	2039	2335	2583	2831	3079						
3	100	99		321	321	795	1043	1291	1539	1787	2035	2331	2579	2827	3075						
4	96	95		325	325	791	1039	1287	1535	1783	2031	2327	2575	2823	3071						
5	92	91		329	329	787	1035	1283	1531	1779	2027	2323	2571	2819	3067						
6	88	87		333	333	783	1031	1279	1527	1775	2023	2319	2567	2815	3063						
7	84	83		337	337	779	1027	1275	1523	1771	2019	2315	2563	2811	3059						
8	80	79		341	341	775	1023	1271	1519	1767	2015	2311	2559	2807	3055						
9	76	75		345	345	771	1019	1267	1515	1763	2011	2307	2555	2803	3051						
10	72	71		349	349	767	1015	1263	1511	1759	2007	2303	2551	2799	3047						
11	68	67		353	353	763	1011	1259	1507	1755	2003	2299	2547	2795	3043						
12	64	63		357	357	759	1007	1255	1503	1751	1999	2295	2543	2791	3039						
1	108	107	Group 2 Carrier 468	361	361	755	1003	1251	1499	1747	1995	2291	2539	2787	3035						
GP	104.08			363.92	363.92	752.08	1000.08	1248.08	1496.08	1744.08	1992.08	2288.08	2536.08	2784.08	3032.08						
2	104	103		365	365	751	999	1247	1495	1743	1991	2287	2535	2783	3031						
3	100	99		369	369	747	995	1243	1491	1739	1987	2283	2531	2779	3027						
4	96	95		373	373	743	991	1239	1487	1735	1983	2279	2527	2775	3023						
5	92	91		377	377	739	987	1235	1483	1731	1979	2275	2523	2771	3019						
6	88	87		381	381	735	983	1231	1479	1727	1975	2271	2519	2767	3015						
7	84	83		385	385	731	979	1227	1475	1723	1971	2267	2515	2763	3011						
8	80	79		389	389	727	975	1223	1471	1719	1967	2263	2511	2759	3007						
9	76	75		393	393	723	971	1219	1467	1715	1963	2259	2507	2755	3003						
10	72	71		397	397	719	967	1215	1463	1711	1959	2255	2503	2751	2999						
11	68	67		401	401	715	963	1211	1459	1707	1955	2251	2499	2747	2995						
12	64	63		405	405	711	959	1207	1455	1703	1951	2247	2495	2743	2991						
1	108	107	Group 3 Carrier 516	409	409	707	955	1203	1451	1699	1947	2243	2491	2739	2987						
GP	104.08			411.92	411.92	704.08	952.08	1200.08	1448.08	1696.08	1944.08	2240.08	2488.08	2736.08	2984.08						
2	104	103		413	413	703	951	1199	1447	1695	1943	2239	2487	2735	2983						
3	100	99		417	417	699	947	1195	1443	1691	1939	2235	2483	2731	2979						
4	96	95		421	421	695	943	1191	1439	1687	1935	2231	2479	2727	2975						
5	92	91		425	425	691	939	1187	1435	1683	1931	2227	2475	2723	2971						
6	88	87		429	429	687	935	1183	1431	1679	1927	2223	2471	2719	2967						
7	84	83		433	433	683	931	1179	1427	1675	1923	2219	2467	2715	2963						
8	80	79		437	437	679	927	1175	1423	1671	1919	2215	2463	2711	2959						
9	76	75		441	441	675	923	1171	1419	1667	1915	2211	2459	2707	2955						
10	72	71		445	445	671	919	1167	1415	1663	1911	2207	2455	2703	2951						
11	68	67		449	449	667	915	1163	1411	1659	1907	2203	2451	2699	2947						
12	64	63		453	453	663	911	1159	1407	1655	1903	2199	2447	2695	2943						
1	108	107	Group 4 Carrier 564	457	457	659	907	1155	1403	1651	1899	2195	2443	2691	2939						
GP	104.08			459.92	459.92	656.08	904.08	1152.08	1400.08	1648.08	1896.08	2192.08	2440.08	2688.08	2936.08						
2	104	103		461	461	655	903	1151	1399	1647	1895	2191	2439	2687	2935						
3	100	99		465	465	651	899	1147	1395	1643	1891	2187	2435	2683	2931						
4	96	95		469	469	647	895	1143	1391	1639	1887	2183	2431	2679	2927						
5	92	91		473	473	643	891	1139	1387	1635	1883	2179	2427	2675	2923						
6	88	87		477	477	639	887	1135	1383	1631	1879	2175	2423	2671	2919						
7	84	83		481	481	635	883	1131	1379	1627	1875	2171	2419	2667	2915						
8	80	79		485	485	631	879	1127	1375	1623	1871	2167	2415	2663	2911						
9	76	75		489	489	627	875	1123	1371	1619	1867	2163	2411	2659	2907						
10	72	71		493	493	623	871	1119	1367	1615	1863	2159	2407	2655	2903						
11	68	67		497	497	619	867	1115	1363	1611	1859	2155	2403	2651	2899						
12	64	63		501	501	615	863	1111	1359	1607	1855	2151	2399	2647	2895						
1	108	107	Group 5 Carrier 612	505	505	611	859	1107	1355	1603	1851	2147	2395	2643	2891						
GP	104.08			507.92	507.92	608.08	856.08	1104.08	1352.08	1600.08	1848.08	2144.08	2392.08	2640.08	2888.8						
2	104	103		509	509	607	855	1103	1351	1599	1847	2143	2391	2639	2887						
3	100	99		513	513	603	851	1099	1347	1595	1843	2139	2387	2635	2883						
4	96	95		517	517	599	847	1095	1343	1591	1839	2135	2383	2631	2879						
5	92	91		521	521	595	843	1091	1339	1587	1835	2131	2379	2627	2875						
6	88	87		525	525	591	839	1087	1335	1583	1831	2127	2375	2623	2871						
7	84	83		529	529	587	835	1083	1331	1579	1827	2123	2371	2619	2867						
8	80	79		533	533	583	831	1079	1327	1575	1823	2119	2367	2615	2863						
9	76	75		537	537	579	827	1075	1323	1571	1819	2115	2363	2611	2859						
10	72	71		541	541	575	823	1071	1319	1567	1815	2111	2359	2607	2855						
11	68	67		545	545	571	819	1067	1315	1563	1811	2107	2355	2603	2851						
12	64	63		549	549	567	815	1063	1311	1559	1807	2103	2351	2599	2847						

CHART 2

FREQUENCIES FOR LMX-1 (L3) AND LMX-2 (L1860A) CARRIER SYSTEMS — MASTERGROUP 2, GROUPS 1 THROUGH 5

CHANNEL BANK			BASIC SUPERGROUP		MASTERGROUP 2 — CARRIERS 13,000 AND 15,600 KHZ													
CHANNEL	CHANNEL CARRIER	1000 HZ ON CHANNEL	5 CHANNEL GROUPS	FREQ 312 TO 552	LMX-1 — SUBMASTERGROUP 1, NO CARRIER LMX-2 — DIRECT FORMATION						LMX-1 — SUBMASTERGROUP 2, CARRIERS 13,000 AND 14,040 KHZ LMX-2 — DIRECT (D) FORMATION							
					SG 213 CARRIER 1116	SG 214 CARRIER 1364	SG 215 CARRIER 1612	SG 216 CARRIER 1860	SG 217 CARRIER 2108	SG 218 CARRIER 2356	SG 225 CARRIER 1612	SG 2D25 CARRIER 2652	SG 226 CARRIER 1860	SG 2D26 CARRIER 2900	SG 227 CARRIER 2108	SG 2D27 CARRIER 3148	SG 228 CARRIER 2356	SG 2D28 CARRIER 3396
					FREQ 3164 to 3404	FREQ 3412 to 3652	FREQ 3660 to 3900	FREQ 3908 to 4148	FREQ 4156 to 4396	FREQ 4404 to 4644	FREQ 4700 to 4940		FREQ 4948 to 5188		FREQ 5196 to 5436		FREQ 5444 to 5684	
1	108	107	Group 1 Carrier 420	313	3403	3651	3899	4147	4395	4643	4939		5187		5435		5683	
GP	104.08			315.92	3400.08	3648.08	3896.08	4144.08	4392.08	4640.08	4936.08		5184.08		5432.08		5680.08	
2	104	103		317	3399	3647	3895	4143	4391	4639			4935		5183		5679	
3	100	99		321	3395	3643	3891	4139	4387	4635			4931		5179		5675	
4	96	95		325	3391	3639	3887	4135	4383	4631			4927		5175		5671	
5	92	91		329	3387	3635	3883	4131	4379	4627			4923		5171		5667	
6	88	87		333	3383	3631	3879	4127	4375	4623			4919		5167		5663	
7	84	83		337	3379	3627	3875	4123	4371	4619			4915		5163		5659	
8	80	79		341	3375	3623	3871	4119	4367	4615			4911		5159		5655	
9	76	75		345	3371	3619	3867	4115	4363	4611			4907		5155		5651	
10	72	71		349	3367	3615	3863	4111	4359	4607			4903		5151		5647	
11	68	67		353	3363	3611	3859	4107	4355	4603			4899		5147		5643	
12	64	63		357	3359	3607	3855	4103	4351	4599			4895		5143		5639	
1	108	107	Group 2 Carrier 468	361	3355	3603	3851	4099	4347	4595	4891		5139		5387		5635	
GP	104.08			363.92	3352.08	3600.08	3848.08	4096.08	4344.08	4592.08	4888.08		5136.08		5384.08		5632.08	
2	104	103		365	3351	3599	3847	4095	4343	4591			5135		5383		5631	
3	100	99		369	3347	3595	3843	4091	4339	4587			5131		5379		5627	
4	96	95		373	3343	3591	3839	4087	4335	4583			5127		5375		5623	
5	92	91		377	3339	3587	3835	4083	4331	4579			5123		5371		5619	
6	88	87		381	3335	3583	3831	4079	4327	4575			5119		5367		5615	
7	84	83		385	3331	3579	3827	4075	4323	4571			5115		5363		5611	
8	80	79		389	3327	3575	3823	4071	4319	4567			5111		5359		5607	
9	76	75		393	3323	3571	3819	4067	4315	4563			5107		5355		5603	
10	72	71		397	3319	3567	3815	4063	4311	4559			5103		5351		5599	
11	68	67		401	3315	3563	3811	4059	4307	4555			5099		5347		5595	
12	64	63		405	3311	3559	3807	4055	4303	4551			5095		5343		5591	
1	108	107	Group 3 Carrier 516	409	3307	3555	3803	4051	4299	4547	4843		5091		5339		5587	
GP	104.08			411.92	3304.08	3552.08	3800.08	4048.08	4296.08	4544.08	4840.08		5088.08		5336.08		5584.08	
2	104	103		413	3303	3551	3799	4047	4295	4543			5087		5335		5583	
3	100	99		417	3299	3547	3795	4043	4291	4539			5083		5331		5579	
4	96	95		421	3295	3543	3791	4039	4287	4535			5079		5327		5575	
5	92	91		425	3291	3539	3787	4035	4283	4531			5075		5323		5571	
6	88	87		429	3287	3535	3783	4031	4279	4527			5071		5319		5567	
7	84	83		433	3283	3531	3779	4027	4275	4523			5067		5315		5563	
8	80	79		437	3279	3527	3775	4023	4271	4519			5063		5311		5559	
9	76	75		441	3275	3523	3771	4019	4267	4515			5059		5307		5555	
10	72	71		445	3271	3519	3767	4015	4263	4511			5055		5303		5551	
11	68	67		449	3267	3515	3763	4011	4259	4507			5051		5299		5547	
12	64	63		453	3263	3511	3759	4007	4255	4503			5047		5295		5543	
1	108	107	Group 4 Carrier 564	457	3259	3507	3755	4003	4251	4499	4795		5043		5291		5539	
GP	104.08			459.92	3256.08	3504.08	3752.08	4000.08	4248.08	4496.08	4792.08		5040.08		5288.08		5536.08	
2	104	103		461	3255	3503	3751	3999	4247	4495			5039		5287		5535	
3	100	99		465	3251	3499	3747	3995	4243	4491			5035		5283		5531	
4	96	95		469	3247	3495	3743	3991	4239	4487			5031		5279		5527	
5	92	91		473	3243	3491	3739	3987	4235	4483			5027		5275		5523	
6	88	87		477	3239	3487	3735	3983	4231	4479			5023		5271		5519	
7	84	83		481	3235	3483	3731	3979	4227	4475			5019		5267		5515	
8	80	79		485	3231	3479	3727	3975	4223	4471			5015		5263		5511	
9	76	75		489	3227	3475	3723	3971	4219	4467			5011		5259		5507	
10	72	71		493	3223	3471	3719	3967	4215	4463			5007		5255		5503	
11	68	67		497	3219	3467	3715	3963	4211	4459			5003		5251		5499	
12	64	63		501	3215	3463	3711	3959	4207	4455			4999		5247		5495	
1	108	107	Group 5 Carrier 612	505	3211	3459	3707	3955	4203	4451	4747		4995		5243		5491	
GP	104.08			507.92	3208.08	3456.08	3704.08	3952.08	4200.08	4448.08	4744.08		4992.08		5240.08		5488.08	
2	104	103		509	3207	3455	3703	3951	4199	4447			4991		5239		5487	
3	100	99		513	3203	3451	3699	3947	4195	4443			4987		5235		5483	
4	96	95		517	3199	3447	3695	3943	4191	4439			4983		5231		5479	
5	92	91		521	3195	3443	3691	3939	4187	4435			4979		5227		5475	
6	88	87		525	3191	3439	3687	3935	4183	4431			4975		5223		5471	
7	84	83		529	3187	3435	3683	3931	4179	4427			4971		5219		5467	
8	80	79		533	3183	3431	3679	3927	4175	4423			4967		5215		5463	
9	76	75		537	3179	3427	3675	3923	4171	4419			4963		5211		5459	
10	72	71		541	3175	3423	3671	3919	4167	4415			4959		5207		5455	
11	68	67		545	3171	3419	3667	3915	4163	4411			4955		5203		5451	
12	64	63		549	3167	3415	3663	3911	4159	4407			4951		5199		5447	

CHART 3

FREQUENCIES FOR LMX-1 (L3) AND LMX-2 (L1860A) CARRIER SYSTEMS — MASTERGROUP 3, GROUPS 1 THROUGH 5

CHANNEL BANK			BASIC SUPERGROUP		MASTERGROUP 3 — CARRIERS 13,000 AND 18,200 KHZ													
CHANNEL	CHANNEL CARRIER	1000 HZ ON CHANNEL	5 CHANNEL GROUPS	FREQ	LMX-1 — SUBMASTERGROUP 1, NO CARRIER LMX-2 — DIRECT FORMATION						LMX-1 — SUBMASTERGROUP 2, CARRIERS 13,000 AND 14,040 KHZ LMX-2 — DIRECT (D) FORMATION							
					SG 313 CARRIER 1116	SG 314 CARRIER 1364	SG 315 CARRIER 1612	SG 316 CARRIER 1860	SG 317 CARRIER 2108	SG 318 CARRIER 2356	SG 325 CARRIER 1612	SG 3D25 CARRIER 2652	SG 326 CARRIER 1860	SG 3D26 CARRIER 2900	SG 327 CARRIER 2108	SG 3D27 CARRIER 3148	SG 328 CARRIER 2356	SG 3D28 CARRIER 3396
					312 TO 552	FREQ 5764 to 6004	FREQ 6012 to 6252	FREQ 6260 to 6500	FREQ 6508 to 6748	FREQ 6756 to 6996	FREQ 7004 to 7244	FREQ 7300 to 7540	FREQ 7548 to 7788	FREQ 7796 to 8036	FREQ 8044 to 8284			
1	108	107	Group 1 Carrier 420	313	6003	6251	6499	6747	6995	7243	7539	7787	8035	8283				
GP	104.08	315.92		6000.08	6248.08	6496.08	6744.08	6992.08	7240.08	7536.08	7784.08	8032.08	8280.08					
2	104	103		317	5999	6247	6495	6743	6991	7239	7535	7783	8031	8279				
3	100	99		321	5995	6243	6491	6739	6987	7235	7531	7779	8027	8275				
4	96	95		325	5991	6239	6487	6735	6983	7231	7527	7775	8023	8271				
5	92	91		329	5987	6235	6483	6731	6979	7227	7523	7771	8019	8267				
6	88	87		333	5983	6231	6479	6727	6975	7223	7519	7767	8015	8263				
7	84	83		337	5979	6227	6475	6723	6971	7219	7515	7763	8011	8259				
8	80	79		341	5975	6223	6471	6719	6967	7215	7511	7759	8007	8255				
9	76	75		345	5971	6219	6467	6715	6963	7211	7507	7755	8003	8251				
10	72	71		349	5967	6215	6463	6711	6959	7207	7503	7751	7999	8247				
11	68	67		353	5963	6211	6459	6707	6955	7203	7499	7747	7995	8243				
12	64	63		357	5959	6207	6455	6703	6951	7199	7495	7743	7991	8239				
1	108	107	Group 2 Carrier 468	361	5955	6203	6451	6699	6947	7195	7491	7739	7987	8235				
GP	104.08	363.92		5952.08	6200.08	6448.08	6696.08	6944.08	7192.08	7488.08	7736.08	7984.08	8232.08					
2	104	103		365	5951	6199	6447	6695	6943	7191	7487	7735	7983	8231				
3	100	99		369	5947	6195	6443	6691	6939	7187	7483	7731	7979	8227				
4	96	95		373	5943	6191	6439	6687	6935	7183	7479	7727	7975	8223				
5	92	91		377	5939	6187	6435	6683	6931	7179	7475	7723	7971	8219				
6	88	87		381	5935	6183	6431	6679	6927	7175	7471	7719	7967	8215				
7	84	83		385	5931	6179	6427	6675	6923	7171	7467	7715	7963	8211				
8	80	79		389	5927	6175	6423	6671	6919	7167	7463	7711	7959	8207				
9	76	75		393	5923	6171	6419	6667	6915	7163	7459	7707	7955	8203				
10	72	71		397	5919	6167	6415	6663	6911	7159	7455	7703	7951	8199				
11	68	67		401	5915	6163	6411	6659	6907	7155	7451	7699	7947	8195				
12	64	63		405	5911	6159	6407	6655	6903	7151	7447	7695	7943	8191				
1	108	107	Group 3 Carrier 516	409	5907	6155	6403	6651	6899	7147	7443	7691	7939	8187				
GP	104.08	411.92		5904.08	6152.08	6400.08	6648.08	6896.08	7144.08	7440.08	7688.08	7936.08	8184.08					
2	104	103		413	5903	6151	6399	6647	6895	7143	7439	7687	7935	8183				
3	100	99		417	5899	6147	6395	6643	6891	7139	7435	7683	7931	8179				
4	96	95		421	5895	6143	6391	6639	6887	7135	7431	7679	7927	8175				
5	92	91		425	5891	6139	6387	6635	6883	7131	7427	7675	7923	8171				
6	88	87		429	5887	6135	6383	6631	6879	7127	7423	7671	7919	8167				
7	84	83		433	5883	6131	6379	6627	6875	7123	7419	7667	7915	8163				
8	80	79		437	5879	6127	6375	6623	6871	7119	7415	7663	7911	8159				
9	76	75		441	5875	6123	6371	6619	6867	7115	7411	7659	7907	8155				
10	72	71		445	5871	6119	6367	6615	6863	7111	7407	7655	7903	8151				
11	68	67		449	5867	6115	6363	6611	6859	7107	7403	7651	7899	8147				
12	64	63		453	5863	6111	6359	6607	6855	7103	7399	7647	7895	8143				
1	108	107	Group 4 Carrier 564	457	5859	6107	6355	6603	6851	7099	7395	7643	7891	8139				
GP	104.08	459.92		5856.08	6104.08	6352.08	6600.08	6848.08	7096.08	7392.08	7640.08	7888.08	8136.08					
2	104	103		461	5855	6103	6351	6599	6847	7095	7391	7639	7887	8135				
3	100	99		465	5851	6099	6347	6595	6843	7091	7387	7635	7883	8131				
4	96	95		469	5847	6095	6343	6591	6839	7087	7383	7631	7879	8127				
5	92	91		473	5843	6091	6339	6587	6835	7083	7379	7627	7875	8123				
6	88	87		477	5839	6087	6335	6583	6831	7079	7375	7623	7871	8119				
7	84	83		481	5835	6083	6331	6579	6827	7075	7371	7619	7867	8115				
8	80	79		485	5831	6079	6327	6575	6823	7071	7367	7615	7863	8111				
9	76	75		489	5827	6075	6323	6571	6819	7067	7363	7611	7859	8107				
10	72	71		493	5823	6071	6319	6567	6815	7063	7359	7607	7855	8103				
11	68	67		497	5819	6067	6315	6563	6811	7059	7355	7603	7851	8099				
12	64	63		501	5815	6063	6311	6559	6807	7055	7351	7599	7847	8095				
1	108	107	Group 5 Carrier 612	505	5811	6059	6307	6555	6803	7051	7347	7595	7843	8091				
GP	104.08	507.92		5808.08	6056.08	6304.08	6552.08	6800.08	7048.08	7344.08	7592.08	7840.08	8088.08					
2	104	103		509	5807	6055	6303	6551	6799	7047	7343	7591	7839	8087				
3	100	99		513	5803	6051	6299	6547	6795	7043	7339	7587	7835	8083				
4	96	95		517	5799	6047	6295	6543	6791	7039	7335	7583	7831	8079				
5	92	91		521	5795	6043	6291	6539	6787	7035	7331	7579	7827	8075				
6	88	87		525	5791	6039	6287	6535	6783	7031	7327	7575	7823	8071				
7	84	83		529	5787	6035	6283	6531	6779	7027	7323	7571	7819	8067				
8	80	79		533	5783	6031	6279	6527	6775	7023	7319	7567	7815	8063				
9	76	75		537	5779	6027	6275	6523	6771	7019	7315	7563	7811	8059				
10	72	71		541	5775	6023	6271	6519	6767	7015	7311	7559	7807	8055				
11	68	67		545	5771	6019	6267	6515	6763	7011	7307	7555	7803	8051				
12	64	63		549	5767	6015	6263	6511	6759	7007	7303	7551	7799	8047				

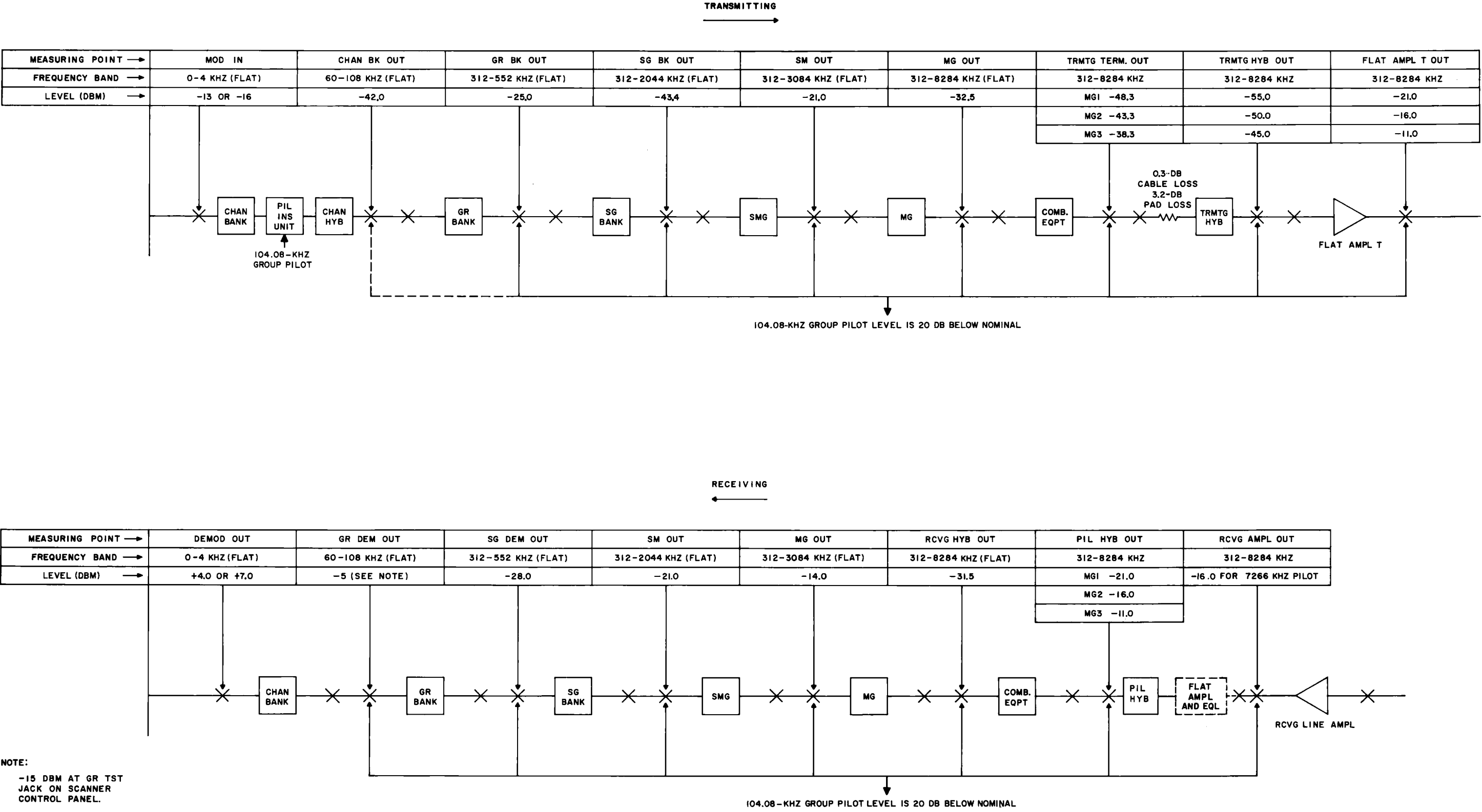


Fig. 1—Level Diagram—LMX-1 Terminal Connected to L3 Carrier System

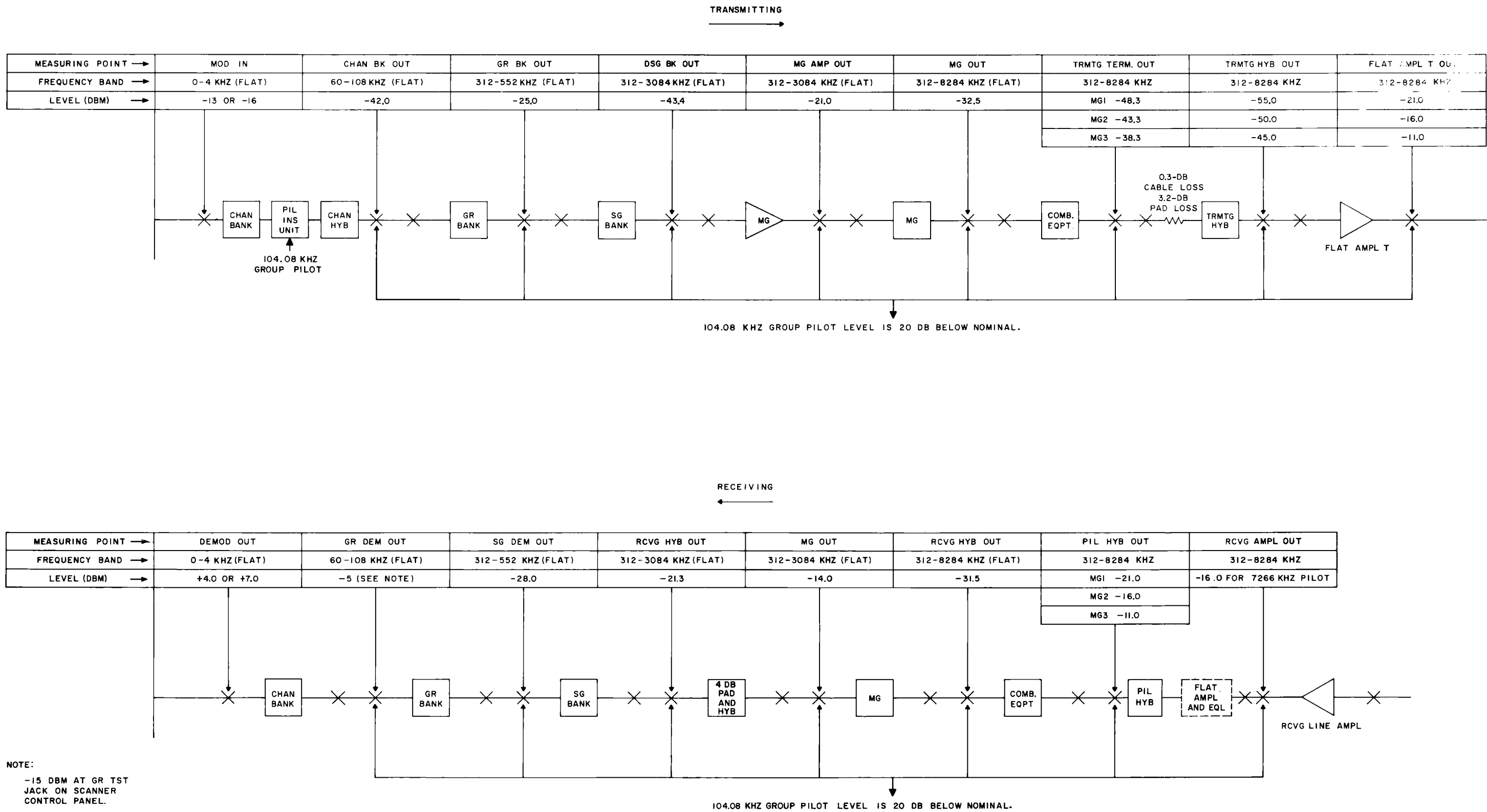


Fig. 2—Level Diagram—LMX-2 Terminal Connected to L3 Carrier System

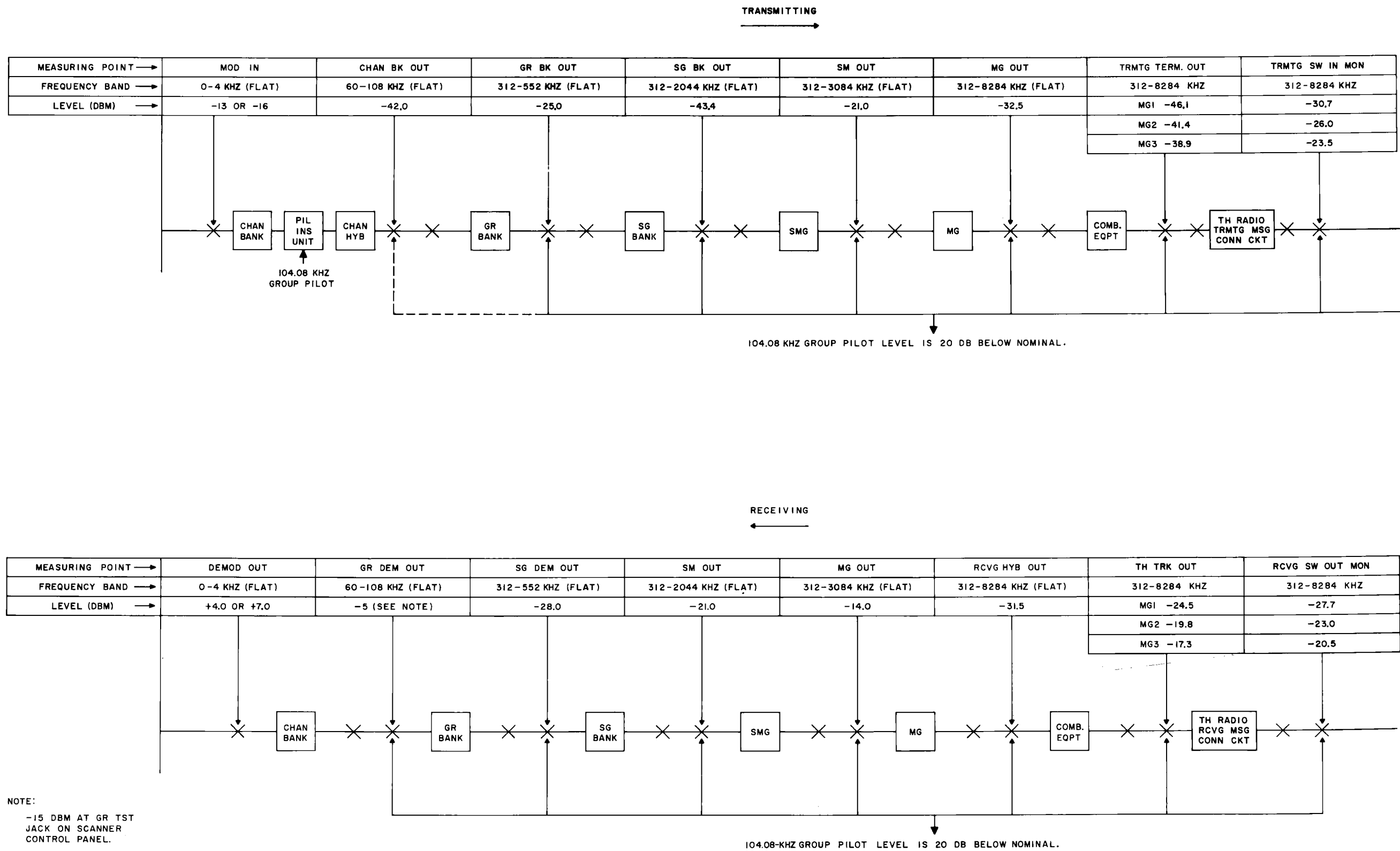


Fig. 3—Level Diagram—LMX-1 Terminal Connected to TH Microwave Radio

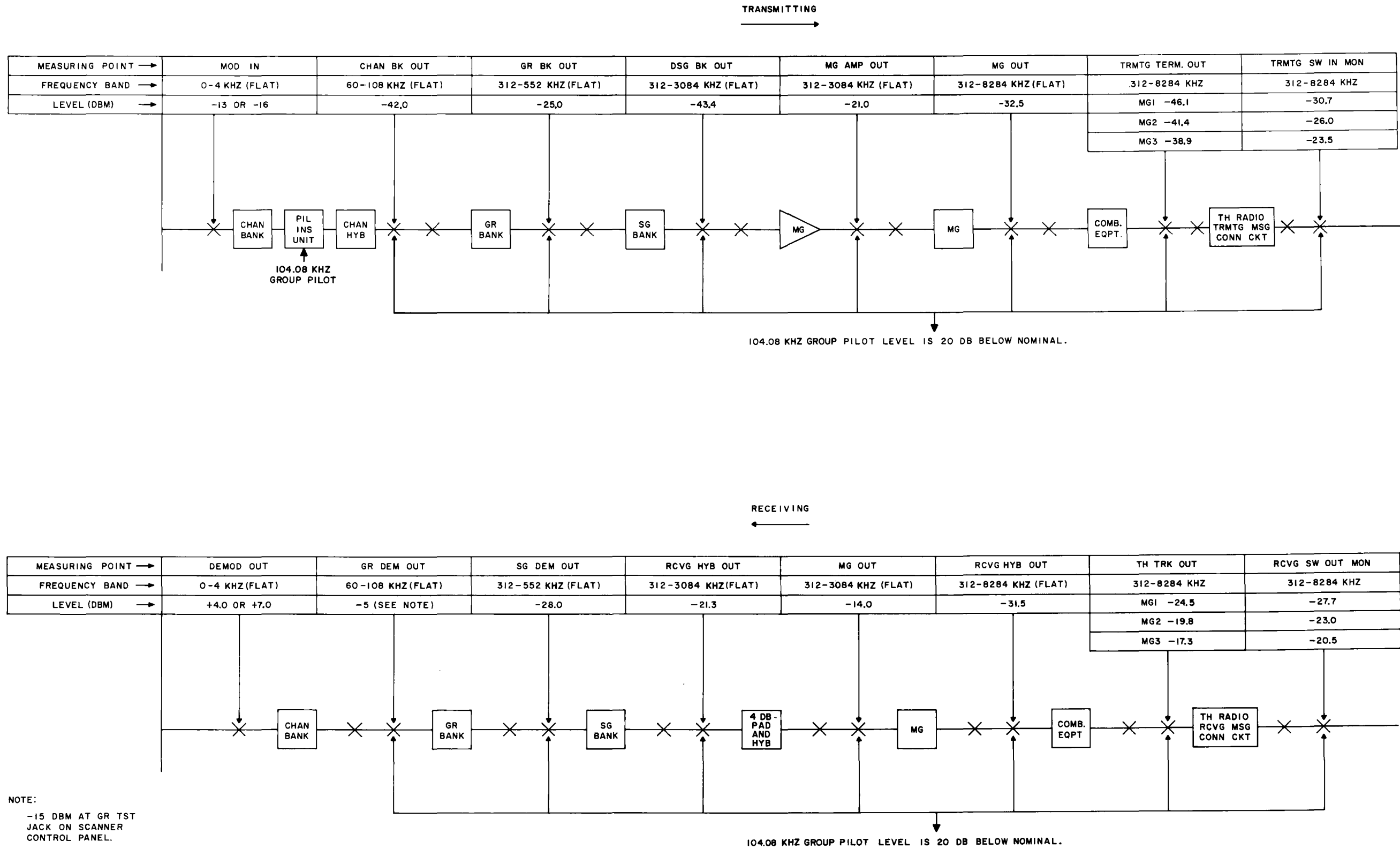


Fig. 4—Level Diagram—LMX-2 Terminal Connected to TH Microwave Radio