

STEP	PROCEDURE				
5	<p>Low-group transmitting terminals:</p> <table data-bbox="440 317 1192 432"> <tr> <td>Fully equipped systems</td> <td>+3.0 \pm2.0 dbm</td> </tr> <tr> <td>Partially equipped systems</td> <td>Value in Table C \pm2.0 dbm (See Step 5)</td> </tr> </table> <p>Due to the effect of the impedance of the transmitting cable pair on the 2J test set (a voltage reading device), a group unit may be considered satisfactory if the measured output is within \pm1.0 db of the average of the outputs of the other group units at this location, transmitting in the same direction, in the same cable. This applies only to fully equipped systems.</p> <p>The total carrier output requirements on partially equipped systems are determined as follows:</p> <ol style="list-style-type: none"> (a) Obtain the transmitting group unit output slope from the system circuit layout card. (b) Check whether the terminal is low-group transmitting or high-group transmitting. (c) From Table A, under the appropriate slope value, determine the amount of output power in milliwatts contributed by each channel to be placed in service. (d) Add the values of power contributed by each of the individual channels used to determine the total output power in milliwatts contributed by all of the channels to be placed in service. (e) Using Table B or C, convert the total power in milliwatts to the amount of output power in decibels above 1 milliwatt (dbm) which should be measured at the transmitting group unit output. 	Fully equipped systems	+3.0 \pm 2.0 dbm	Partially equipped systems	Value in Table C \pm 2.0 dbm (See Step 5)
Fully equipped systems	+3.0 \pm 2.0 dbm				
Partially equipped systems	Value in Table C \pm 2.0 dbm (See Step 5)				
6	Remove the P4AN cord and replace the connector in the switching jack J1.				

TABLE A											
Individual Channel Carrier Power											
CHAN NO.	CARR FREQ	HIGH-GROUP TRANSMITTING CARRIER SLOPE				CHAN NO.	CARR FREQ	LOW-GROUP TRANSMITTING CARRIER SLOPE			
		0 db	+3 db	+6 db	+9 db			0 db	-3 db	-6 db	-9 db
	kc	mw					kc	mw			
1	168	1.32	0.86	0.53	0.32	1	136	0.17	0.24	0.35	0.46
2	176	1.32	0.91	0.60	0.38	2	128	0.17	0.23	0.30	0.38
3	184	1.32	0.97	0.68	0.46	3	120	0.17	0.22	0.27	0.32
4	192	1.32	1.03	0.78	0.56	4	112	0.17	0.20	0.23	0.26
5	200	1.32	1.10	0.88	0.67	5	104	0.17	0.19	0.21	0.22
6	208	1.32	1.17	1.00	0.81	6	96	0.17	0.18	0.18	0.18
7	216	1.32	1.25	1.13	0.98	7	88	0.17	0.17	0.16	0.15
8	224	1.32	1.33	1.28	1.18	8	80	0.17	0.16	0.14	0.12
9	232	1.32	1.42	1.45	1.42	9	72	0.17	0.15	0.13	0.10
10	240	1.32	1.51	1.65	1.72	10	64	0.17	0.14	0.11	0.08
11	248	1.32	1.61	1.87	2.08	11	56	0.17	0.13	0.10	0.07
12	256	1.32	1.71	2.12	2.50	12	48	0.17	0.12	0.09	0.06
13	264	1.32	1.82	2.40	3.02	13	40	0.17	0.11	0.08	0.05

TABLE B	
High-group Transmitting Terminal	
IF THE TOTAL CHANNEL CARRIER POWER FROM TABLE A IS BETWEEN	THE MEASURED TOTAL OUTPUT POWER SHOULD BE (within limits specified)
mw	dbm
2.30 and 2.65	+4.0
2.66 and 3.00	+4.5
3.01 and 3.30	+5.0
3.31 and 3.70	+5.5
3.71 and 4.20	+6.0
4.21 and 4.70	+6.5
4.71 and 5.30	+7.0
5.31 and 5.90	+7.5
5.91 and 6.60	+8.0
6.61 and 7.40	+8.5
7.41 and 8.30	+9.0
8.31 and 9.30	+9.5
9.31 and 10.40	+10.0
10.41 and 10.60	+10.5
10.61 and 13.20	+11.0
13.21 and 15.00	+11.5
15.01 or more	+12.0

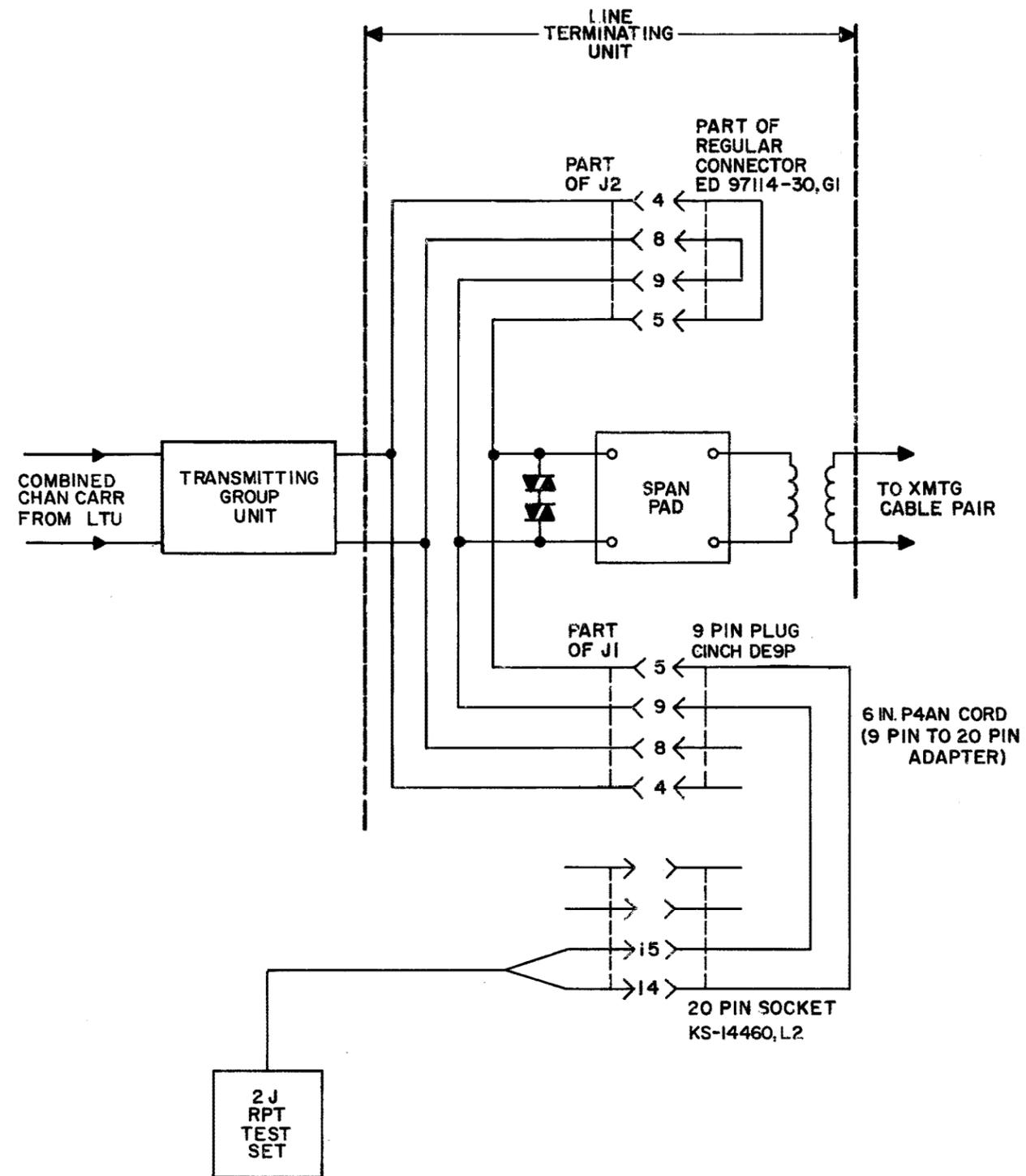


Fig. 1 - Jack Arrangement at Output of Transmitting Group Unit

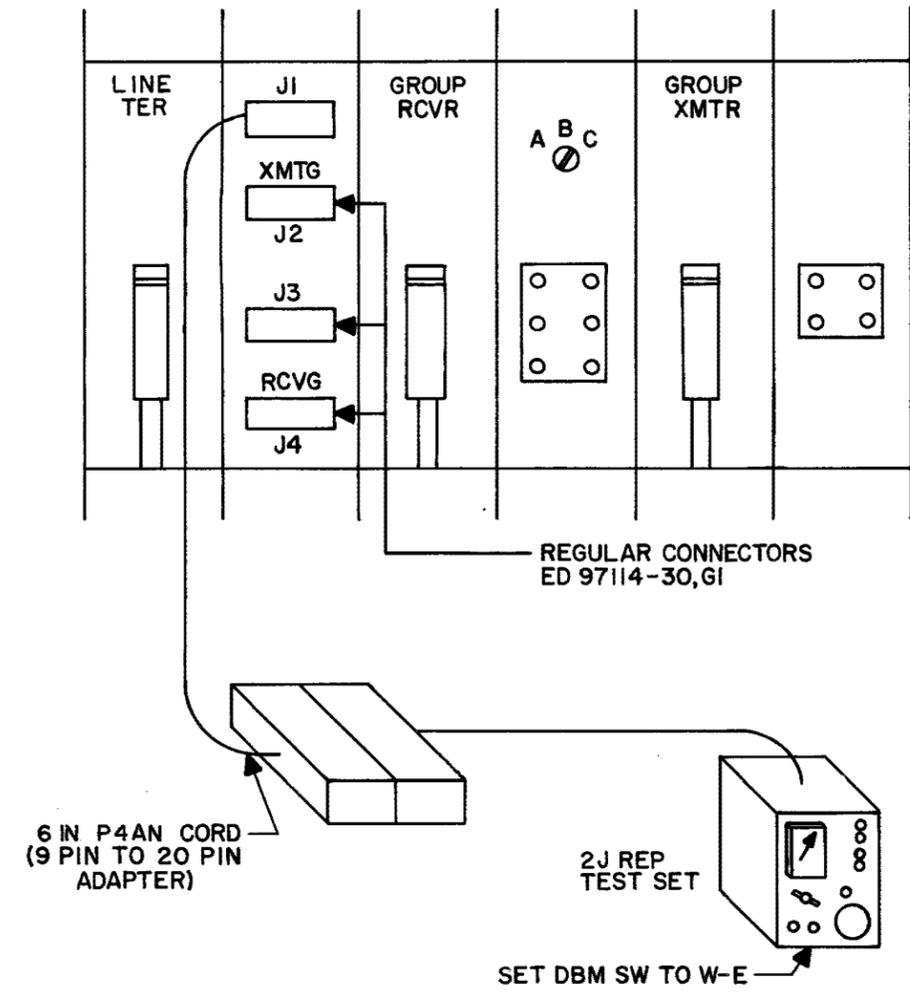


Fig. 2 - Test Setup

TABLE C	
Low-group Transmitting Terminal	
IF THE TOTAL CHANNEL CARRIER POWER FROM TABLE A IS BETWEEN	THE MEASURED TOTAL OUTPUT POWER SHOULD BE (within limits specified)
mw	dbm
0.22 and 0.26	-6.0
0.27 and 0.29	-5.5
0.30 and 0.33	-5.0
0.34 and 0.37	-4.5
0.38 and 0.42	-4.0
0.43 and 0.47	-3.5
0.48 and 0.53	-3.0
0.54 and 0.59	-2.5
0.60 and 0.66	-2.0
0.67 and 0.74	-1.5
0.75 and 0.83	-1.0
0.84 and 0.93	-0.5
0.94 and 1.03	0
1.04 and 1.18	+0.5
1.19 and 1.33	+1.0
1.34 and 1.49	+1.5
1.50 and 1.67	+2.0
1.68 and 1.87	+2.5
1.88 or more	+3.0

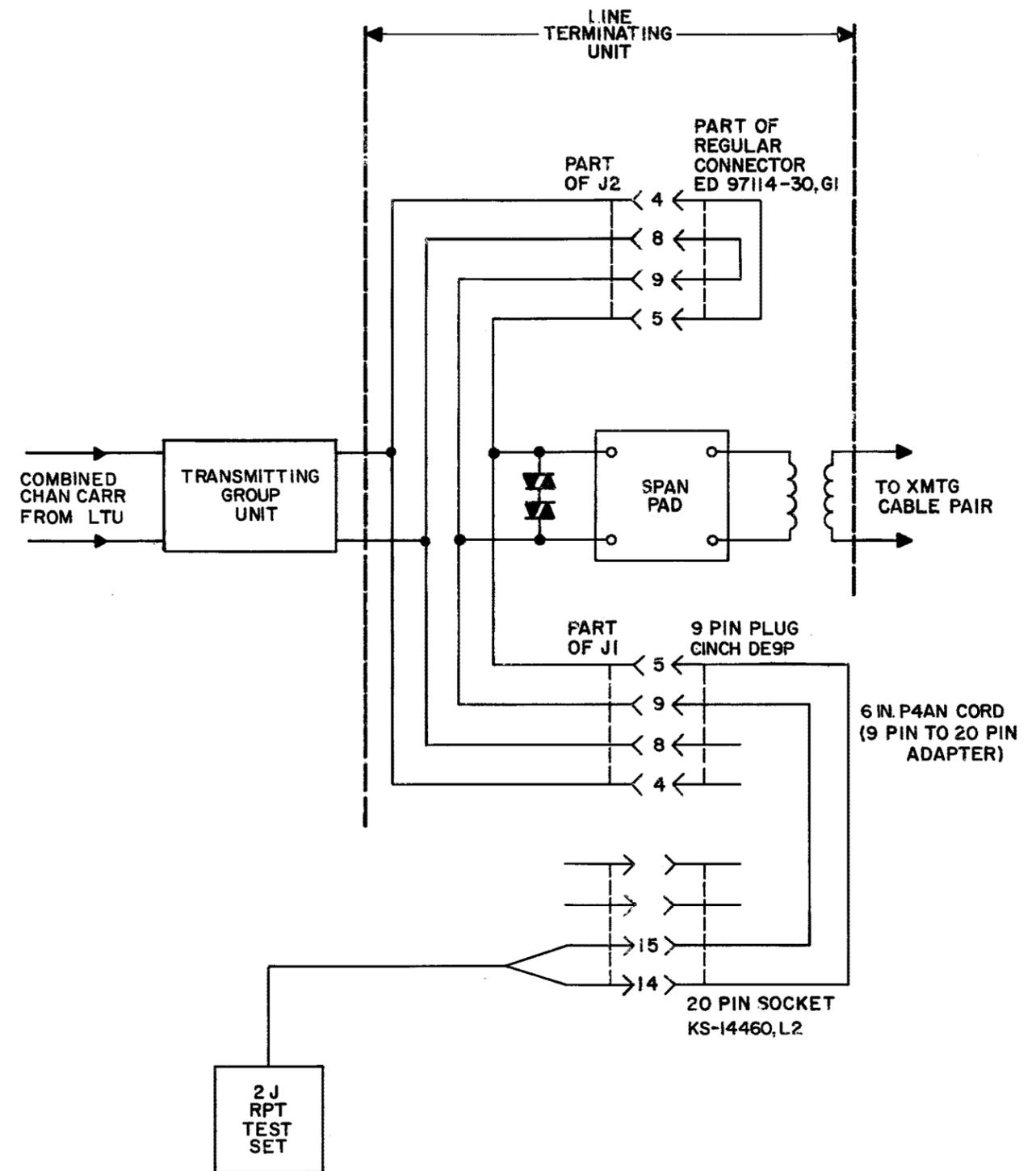


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