

Track Circuit History Card – UM71 Type T2 Track Circuits (for ESR)

TRACK: _____

TRACK LENGTH _____ m

FREQUENCY _____ Hz

IMPEDANCE BOND TYPES _____

Date (DD/MM/YY)				
TX PSU (Serial No.)				
Date (DD/MM/YY)				
TX (Serial No.)				
Date (DD/MM/YY)				
RX PSU (Serial No.)				

Date (DD/MM/YY)				
RX (Serial No.)				
Date (DD/MM/YY)				
DPU (Serial No.)				
Date (DD/MM/YY)				
DPU Amp (Serial No.)				

Any additional information needed - (sketch of track / Location IDs, distances, equipment positioning, bonds, etc.)

DATE DD/MM/YY	Remarks / Service Schedule (SS01, SS02, SS03, SS04, etc.)	TRANSMITTER END Location ID:			Resonated Impedance Bonds			DPU (For Tracks With Intermediate Receiver Only)		RECEIVER END Location ID:							Fixed Shunt Test 0.15Ω (Tick each test pt.) (✓)	Test Equipment Used (Type & Ser. No.)	Tested by: Name of Testing Officer (Print Name)		
		D.C. Supply	Tx	TU	Loc.	Cap.	Cap.	Amp	Volts	TU	D.C. Supply	Rx Input	RX I/P	RX I/P	Volts on M1-M2					Drop Shunt	
		DMM (V)	Output (Measured @ Loc. track terminals) FSM (V)	T1/T2 FSM (V)	Tx Mid 1 Mid 2		FSM (V)	Gain (Hi /Lo)	Measured at Loc. DPU terminals FSM (mV)	DPU MU Terminals 13 & 14 FSM (V)		(Measured @ Loc. track terminals) FSM (V)	Transformer fine adjustment FSM P0 to...	Transformer coarse adjustment FSM S0 to ...	Unoccupied	With shunt on					Zero Feed
	First Full Recorded Test																				
	Last Full Recorded Test																				

FREQ Hz	Kem	CONNECT		BRIDGE
		1 on MU	2 on MU	
1700		V7	V8	
2300		V2	V8	V3 - V4 V5 - V7
2000		V1	V8	V3 - V7
2600		V1	V8	V3 - V4 V5 - V7

FSM: Frequency Selective Meter/Track filter Adaptor

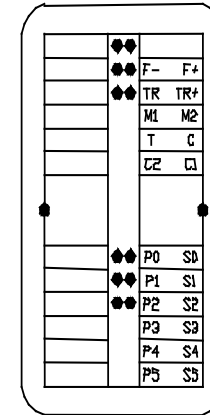
DMM: Digital Multimeter

K	CONNECT	BRIDGE
0.5	11 12	
1	9 10	
1.5	9 12	10 - 11
2	8 9	
2.5	8 12	9 - 11
3	8 10	
3.5	8 12	10 - 11
4	5 9	6 - 10
4.5	5 11	6 - 12
5	5 6	
5.5	5 12	6 - 11
6	5 10	6 - 9
6.5	5 12	6 - 9 10 - 11
7	5 9	6 - 8
7.5	5 12	6 - 8 9 - 11
8	5 10	6 - 8
8.5	5 12	6 - 8 10 - 11
9	5 9	7 - 10
9.5	5 11	7 - 12

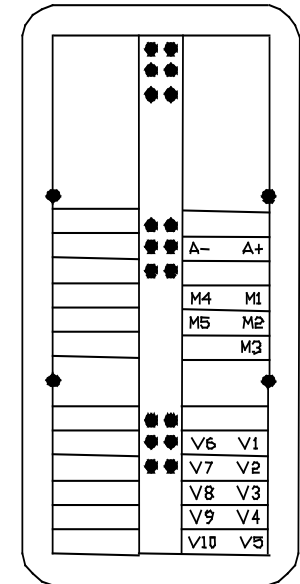
K	CONNECT	BRIDGE
10	5 7	
10.5	5 12	7 - 11
11	5 10	7 - 9
11.5	5 12	7 - 9 10 - 11
12	5 9	7 - 8
12.5	5 12	7 - 8 9 - 11
13	5 10	7 - 8
13.5	5 12	7 - 8 10 - 11
14	13 14	
14.5	11 14	12 - 13
15	9 14	10 - 13
15.5	9 14	10 - 11 12 - 13
16	8 14	9 - 13
16.5	8 14	19 - 11 12 - 13
17	8 14	10 - 13
17.5	8 14	10 - 11 12 - 13
18	5 14	6 - 10 9 - 13
18.5	5 14	6 - 12 11 - 13
19	5 14	6 - 13

K	CONNECT	BRIDGE
19.5	5 14	6 - 11 12 - 13
20	5 14	6 - 9 10 - 13
20.5	5 14	6 - 9 10 - 11 12 - 13
21	5 14	6 - 8 9 - 13
21.5	5 14	6 - 8 9 - 11 12 - 13
22	5 14	6 - 8 10 - 13
22.5	5 14	6 - 8 10 - 13 12 - 13
23	5 14	7 - 10 9 - 13
23.5	5 14	7 - 12 11 - 13
24	5 14	7 - 13
24.5	5 14	7 - 11 12 - 13
25	5 14	7 - 9 10 - 13
25.5	5 14	7 - 9 10 - 11 12 - 13
26	5 14	7 - 8 9 - 13
26.5	5 14	7 - 8 9 - 11 12 - 13
27	5 14	7 - 8 10 - 13
27.5	5 14	7 - 8 10 - 11 12 - 13

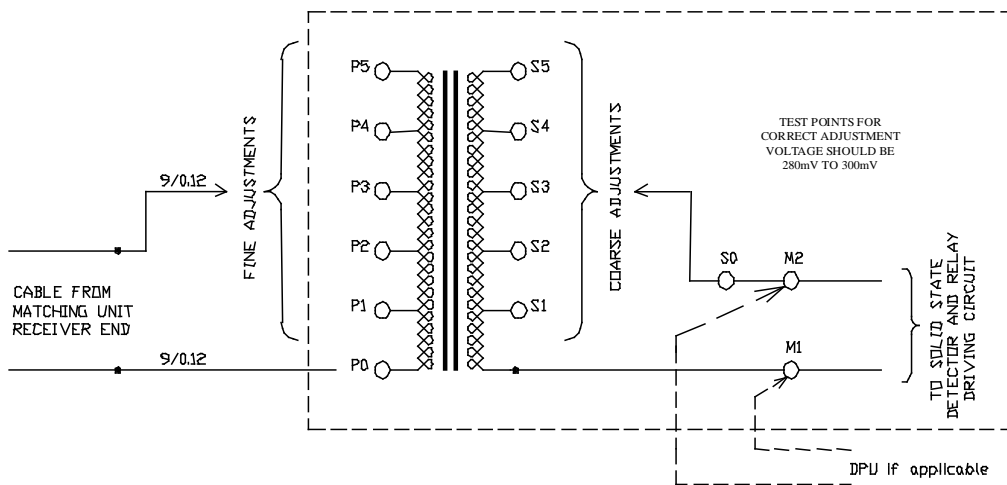
Rx connections T2



Tx connections T2



Matching Unit Adjustment Table – Rx End Type T2



DETAILS OF INPUT TRANSFORMER BUILT INTO RECEIVER

