

TYPE-4 SIGNAL CONDITIONING CARD TEST REPORT

SL NO.:12

DATE:17-Jan-2022

1) CHANNEL-1 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A1 and P2/A2	J3/A1	4.9	5.1	4.945434	Volts DC	PASS
2	3.535Vrms at P2/A1 and P2/A2	J3/A1	2.45	2.55	2.469503	Volts DC	PASS
3	7.07Vrms at P2/A1 and P2/A2	J3/A1	4.9	5.1	4.945928	Volts DC	PASS

2) CHANNEL-2 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A3 and P2/A4	J3/A2	4.9	5.1	4.95558	Volts DC	PASS
2	3.535Vrms at P2/A3 and P2/A4	J3/A2	2.45	2.55	2.480962	Volts DC	PASS
3	7.07Vrms at P2/A3 and P2/A4	J3/A2	4.9	5.1	4.956359	Volts DC	PASS

3) CHANNEL-3 LAOSS EXCITATION MONITOR

SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A5 and P2/A6	J3/A3	4.9	5.1	4.959161	Volts DC	PASS

2	3.535Vrms at P2/A5 and P2/A6	J3/A3	2.45	2.55	2.482108	Volts DC	PASS
3	7.07Vrms at P2/A5 and P2/A6	J3/A3	4.9	5.1	4.959945	Volts DC	PASS

4) CHANNEL-4 LAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/A7 and P2/A8	J3/A4	4.9	5.1	4.957432	Volts DC	PASS
2	3.535Vrms at P2/A7 and P2/A8	J3/A4	2.45	2.55	2.480052	Volts DC	PASS
3	7.07Vrms at P2/A7 and P2/A8	J3/A4	4.9	5.1	4.958372	Volts DC	PASS

5) CHANNEL-1 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B1 and P2/B2	J3/A9	4.9	5.1	4.965626	Volts DC	PASS
2	3.535Vrms at P2/B1 and P2/B2	J3/A9	2.45	2.55	2.484928	Volts DC	PASS
3	7.07Vrms at P2/B1 and P2/B2	J3/A9	4.9	5.1	4.966591	Volts DC	PASS

6) CHANNEL-2 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B3 and P2/B4	J3/A10	4.9	5.1	4.959757	Volts DC	PASS

2	3.535Vrms at P2/B3 and P2/B4	J3/A10	2.45	2.55	2.481351	Volts DC	PASS
3	7.07Vrms at P2/B3 and P2/B4	J3/A10	4.9	5.1	4.960934	Volts DC	PASS

7) CHANNEL-3 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B5 and P2/B6	J3/A11	4.9	5.1	4.962976	Volts DC	PASS
2	3.535Vrms at P2/B5 and P2/B6	J3/A11	2.45	2.55	2.484882	Volts DC	PASS
3	7.07Vrms at P2/B5 and P2/B6	J3/A11	4.9	5.1	4.964762	Volts DC	PASS

8) CHANNEL-4 RAOSS EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/B7 and P2/B8	J3/A12	4.9	5.1	4.962928	Volts DC	PASS
2	3.535Vrms at P2/B7 and P2/B8	J3/A12	2.45	2.55	2.48392	Volts DC	PASS
3	7.07Vrms at P2/B7 and P2/B8	J3/A12	4.9	5.1	4.963976	Volts DC	PASS

9) CHANNEL-2 LAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C1 and P2/C2	J3/A19	4.9	5.1	4.961666	Volts DC	PASS

2	3.535Vrms at P2/C1 and P2/C2	J3/A19	2.45	2.55	2.482378	Volts DC	PASS
3	7.07Vrms at P2/C1 and P2/C2	J3/A19	4.9	5.1	4.963071	Volts DC	PASS

10) CHANNEL-3 LAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C3 and P2/C4	J3/A20	4.9	5.1	4.961849	Volts DC	PASS
2	3.535Vrms at P2/C3 and P2/C4	J3/A20	2.45	2.55	2.483455	Volts DC	PASS
3	7.07Vrms at P2/C3 and P2/C4	J3/A20	4.9	5.1	4.963173	Volts DC	PASS

11) CHANNEL-1 RAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C5 and P2/C6	J3/A25	4.9	5.1	4.970663	Volts DC	PASS
2	3.535Vrms at P2/C5 and P2/C6	J3/A25	2.45	2.55	2.489924	Volts DC	PASS
3	7.07Vrms at P2/C5 and P2/C6	J3/A25	4.9	5.1	4.971939	Volts DC	PASS

12) CHANNEL-4 RAB EXCITATION MONITOR							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	7.07Vrms at P2/C7 and P2/C8	J3/A26	4.9	5.1	4.964613	Volts DC	PASS

2	3.535Vrms at P2/C7 and P2/C8	J3/A26	2.45	2.55	2.485588	Volts DC	PASS
3	7.07Vrms at P2/C7 and P2/C8	J3/A26	4.9	5.1	4.967181	Volts DC	PASS

13) CHANNEL-1 LAOSS SIGNAL STIMULUS(7.07Vrms atP2/A1and P2/A2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.822896	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.825358	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	8.979385	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.663457	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.661233	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.984149	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.158016	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.984708	Volts AC	PASS
9	0V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	5.693	5.925	5.824535	Volts AC	PASS
10	0V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	5.693	5.925	5.820139	Volts AC	PASS
11	-9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	2.602	2.708	2.678911	Volts AC	PASS
12	-9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	8.784	9.142	8.966207	Volts AC	PASS
13	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/A1&P3/B1	8.784	9.142	8.96342	Volts AC	PASS

14	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.671901	Volts AC	PASS
15	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=5V,J2/A2=5V)	P3/C1&P3/B1	0	0.2	0.144398	Volts AC	PASS
16	9V atJ3/B11 and GND(J2/A25=5V,J2/A1=0V,J2/A2=0V)	P3/C1&P3/B1	2.602	2.708	2.670378	Volts AC	PASS

14) CHANNEL-2 LAOSS SIGNAL STIMULUS(7.07Vrms atP2/A3 and P2/A4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.826958	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.820386	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	8.98094	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.662552	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.665257	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.972849	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=5V,J2/A4=5V)	P3/C2&P3/B2	0	0.2	0.149536	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.973293	Volts AC	PASS
9	0V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	5.693	5.925	5.832366	Volts AC	PASS
10	0V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	5.693	5.925	5.817625	Volts AC	PASS
11	-9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	2.602	2.708	2.68424	Volts AC	PASS
12	-9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	8.784	9.142	8.957946	Volts AC	PASS

13	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/A2&P3/B2	8.784	9.142	8.972234	Volts AC	PASS
14	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.666244	Volts AC	PASS
15	9V atJ3/B12 and GND(J2/A25=5V,J3/A3=5V,J3/A4=5V)	P3/C2&P3/B2	0	0.2	0.151456	Volts AC	PASS
16	9V atJ3/B12 and GND(J2/A25=5V,J2/A3=0V,J2/A4=0V)	P3/C2&P3/B2	2.602	2.708	2.665725	Volts AC	PASS

15) CHANNEL-3 LAOSS SIGNAL STIMULUS(7.07Vrms at P2/A5 and P2/A6)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.82994	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.827725	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	8.989866	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.665794	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.664614	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.985561	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.156167	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.986183	Volts AC	PASS
9	0V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	5.693	5.925	5.825735	Volts AC	PASS
10	0V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	5.693	5.925	5.82847	Volts AC	PASS
11	-9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	2.602	2.708	2.666569	Volts AC	PASS

12	-9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	8.784	9.142	8.983361	Volts AC	PASS
13	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/A3&P3/B3	8.784	9.142	8.971849	Volts AC	PASS
14	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.673224	Volts AC	PASS
15	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=5V,J2/A6=5V)	P3/C3&P3/B3	0	0.2	0.156201	Volts AC	PASS
16	9V atJ3/B13 and GND(J2/A25=5V,J2/A5=0V,J2/A6=0V)	P3/C3&P3/B3	2.602	2.708	2.670491	Volts AC	PASS

16) CHANNEL-4 LAOSS SIGNAL STIMULUS(7.07Vrms at P2/A7and P2/A8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.822742	Volts AC	PASS
2	0V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.821657	Volts AC	PASS
3	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	8.978049	Volts AC	PASS
4	-9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.660109	Volts AC	PASS
5	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.661881	Volts AC	PASS
6	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.979129	Volts AC	PASS
7	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.172041	Volts AC	PASS
8	9V atP2/C17 and P2/C18(J2/A25=0V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.979794	Volts AC	PASS
9	0V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	5.693	5.925	5.817597	Volts AC	PASS
10	0V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	5.693	5.925	5.822584	Volts AC	PASS

11	-9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	2.602	2.708	2.679225	Volts AC	PASS
12	-9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	8.784	9.142	8.962257	Volts AC	PASS
13	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/A4&P3/B4	8.784	9.142	8.965859	Volts AC	PASS
14	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.665842	Volts AC	PASS
15	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=5V,J2/A8=5V)	P3/C4&P3/B4	0	0.2	0.178827	Volts AC	PASS
16	9V atJ3/B14 and GND(J2/A25=5V,J2/A7=0V,J2/A8=0V)	P3/C4&P3/B4	2.602	2.708	2.664599	Volts AC	PASS

17) CHANNEL-1 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B1 and P2/B2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	5.693	5.925	5.823788	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	5.693	5.925	5.830707	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	8.784	9.142	8.982046	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.665595	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	2.602	2.708	2.660789	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	8.991503	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=5V,J2/A10=5V)	P3/C5&P3/B5	0	0.2	0.051724	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	8.991945	Volts AC	PASS
9	0V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	5.693	5.925	5.828446	Volts AC	PASS

10	0V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	5.693	5.925	5.828059	Volts AC	PASS
11	-9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	2.602	2.708	2.665855	Volts AC	PASS
12	-9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	8.784	9.142	8.987504	Volts AC	PASS
13	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/A5&P3/B5	8.784	9.142	8.969324	Volts AC	PASS
14	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.670142	Volts AC	PASS
15	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=5V,J2/A10=5V)	P3/C5&P3/B5	0	0.2	0.051749	Volts AC	PASS
16	9V atJ3/B15 and GND(J2/A26=5V,J2/A9=0V,J2/A10=0V)	P3/C5&P3/B5	2.602	2.708	2.669551	Volts AC	PASS

18) CHANNEL-2 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B3 and P2/B4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	5.693	5.925	5.83551	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	5.693	5.925	5.769885	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	8.784	9.142	8.997428	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.638241	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	2.602	2.708	2.667375	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	8.853639	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=5V,J2/A12=5V)	P3/C6&P3/B6	0	0.2	0.052766	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	8.952937	Volts AC	PASS

9	0V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	5.693	5.925	5.835707	Volts AC	PASS
10	0V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	5.693	5.925	5.803934	Volts AC	PASS
11	-9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	2.602	2.708	2.667801	Volts AC	PASS
12	-9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	8.784	9.142	8.951035	Volts AC	PASS
13	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/A6&P3/B6	8.784	9.142	8.996175	Volts AC	PASS
14	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.652924	Volts AC	PASS
15	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=5V,J2/A12=5V)	P3/C6&P3/B6	0	0.2	0.049092	Volts AC	PASS
16	9V atJ3/B16 and GND(J2/A26=5V,J2/A11=0V,J2/A12=0V)	P3/C6&P3/B6	2.602	2.708	2.654791	Volts AC	PASS

19) CHANNEL-3 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B5 and P2/B6)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	5.693	5.925	5.832071	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	5.693	5.925	5.836296	Volts AC	PASS
3	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	8.784	9.142	8.989026	Volts AC	PASS
4	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.668001	Volts AC	PASS
5	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	2.602	2.708	2.666678	Volts AC	PASS
6	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	8.998823	Volts AC	PASS
7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=5V,J2/A14=5V)	P3/C7&P3/B7	0	0.2	0.053617	Volts AC	PASS

8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	8.999395	Volts AC	PASS
9	0V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	5.693	5.925	5.827344	Volts AC	PASS
10	0V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	5.693	5.925	5.836418	Volts AC	PASS
11	-9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	2.602	2.708	2.670777	Volts AC	PASS
12	-9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	8.784	9.142	8.994013	Volts AC	PASS
13	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/A7&P3/B7	8.784	9.142	8.972741	Volts AC	PASS
14	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.673685	Volts AC	PASS
15	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=5V,J2/A14=5V)	P3/C7&P3/B7	0	0.2	0.048968	Volts AC	PASS
16	9V atJ3/B17 and GND(J2/A26=5V,J2/A13=0V,J2/A14=0V)	P3/C7&P3/B7	2.602	2.708	2.67213	Volts AC	PASS

20) CHANNEL-4 RAOSS SIGNAL STIMULUS(7.07Vrms at P2/B7 and P2/B8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	5.693	5.925	5.832149	Volts AC	PASS
2	0V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	5.693	5.925	5.833583	Volts AC	PASS
3	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	2.602	2.708	2.668029	Volts AC	PASS
4	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	8.993331	Volts AC	PASS
5	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	8.784	9.142	8.991231	Volts AC	PASS
6	-9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.668806	Volts AC	PASS

7	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=5V,J2/A16=5V)	P3/C8&P3/B8	0	0.2	0.05326	Volts AC	PASS
8	9V atP2/C19 and P2/C20(J2/A26=0V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	8.993814	Volts AC	PASS
9	0V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	5.693	5.925	5.830726	Volts AC	PASS
10	0V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	5.693	5.925	5.833823	Volts AC	PASS
11	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	8.784	9.142	8.980624	Volts AC	PASS
12	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.674027	Volts AC	PASS
13	-9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/A8&P3/B8	2.602	2.708	2.674861	Volts AC	PASS
14	-9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	8.784	9.142	8.988461	Volts AC	PASS
15	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=5V,J2/A16=5V)	P3/C8&P3/B8	0	0.2	0.049779	Volts AC	PASS
16	9V atJ3/B18 and GND(J2/A26=5V,J2/A15=0V,J2/A16=0V)	P3/C8&P3/B8	2.602	2.708	2.675379	Volts AC	PASS

21) CHANNEL-2 LAB SIGNAL STIMULUS(7.07Vrms at P2/C1 and P2/C2)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	2.45	2.548	2.512673	Volts AC	PASS
2	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	2.45	2.548	2.510302	Volts AC	PASS
3	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-0.1	0.1	0.008333	Volts DC	PASS
4	0V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-0.1	0.1	-0.001437	Volts DC	PASS
5	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	3.914	4.072	4.005195	Volts AC	PASS

6	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.017544	Volts AC	PASS
7	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	5.735	5.969	5.838616	Volts DC	PASS
8	-9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-5.969	-5.735	-5.835727	Volts DC	PASS
9	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	0.985	1.025	1.019801	Volts AC	PASS
10	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.003463	Volts AC	PASS
11	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-5.969	-5.735	-5.827117	Volts DC	PASS
12	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	5.735	5.969	5.835113	Volts DC	PASS
13	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=5V,J2/A18=5V)	P3/C9&P3/B9	0	0.2	0.085197	Volts AC	PASS
14	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.004418	Volts AC	PASS
15	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	2.45	2.548	2.509917	Volts AC	PASS
16	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	2.45	2.548	2.510458	Volts AC	PASS
17	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-0.1	0.1	0.00267	Volts DC	PASS
18	0V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-0.1	0.1	-0.000248	Volts DC	PASS
19	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	0.985	1.025	1.020754	Volts AC	PASS
20	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	3.914	4.072	4.002683	Volts AC	PASS
21	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	-5.969	-5.735	-5.828392	Volts DC	PASS
22	-9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	5.735	5.969	5.831812	Volts DC	PASS
23	9V atJ3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A9&P3/B9	3.914	4.072	3.99689	Volts AC	PASS

24	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.021618	Volts AC	PASS
25	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	J3/A21&GND	5.735	5.969	5.826694	Volts DC	PASS
26	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/A29&P3/C29	-5.969	-5.735	-5.825886	Volts DC	PASS
27	9V at J3/B19 and GND(J2/A27=5V,J2/A17=5V,J2/A18=5V)	P3/C9&P3/B9	0	0.2	0.085181	Volts AC	PASS
28	9V at J3/B19 and GND(J2/A27=5V,J2/A17=0V,J2/A18=0V)	P3/C9&P3/B9	0.985	1.025	1.020658	Volts AC	PASS

22) CHANNEL-3 LAB SIGNAL STIMULUS(7.07Vrms at P2/C3 and P2/C4)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	2.45	2.548	2.50776	Volts AC	PASS
2	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	2.45	2.548	2.50829	Volts AC	PASS
3	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-0.1	0.1	0.003377	Volts DC	PASS
4	0V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-0.1	0.1	0.003869	Volts DC	PASS
5	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	3.914	4.072	3.998954	Volts AC	PASS
6	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.015989	Volts AC	PASS
7	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	5.735	5.969	5.833038	Volts DC	PASS
8	-9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-5.969	-5.735	-5.829248	Volts DC	PASS
9	9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	0.985	1.025	1.016245	Volts AC	PASS
10	9V at P2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.001323	Volts AC	PASS

11	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-5.969	-5.735	-5.832525	Volts DC	PASS
12	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	5.735	5.969	5.839657	Volts DC	PASS
13	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=5V,J2/A20=5V)	P3/C10&P3/B10	0	0.2	0.085123	Volts AC	PASS
14	9V atP2/C21 and P2/C22(J2/A27=0V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.002285	Volts AC	PASS
15	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	2.45	2.548	2.505137	Volts AC	PASS
16	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	2.45	2.548	2.508479	Volts AC	PASS
17	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-0.1	0.1	-0.002166	Volts DC	PASS
18	0V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-0.1	0.1	0.004612	Volts DC	PASS
19	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	0.985	1.025	1.017772	Volts AC	PASS
20	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	3.914	4.072	4.000078	Volts AC	PASS
21	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	-5.969	-5.735	-5.832261	Volts DC	PASS
22	-9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	5.735	5.969	5.834644	Volts DC	PASS
23	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A10&P3/B10	3.914	4.072	3.994588	Volts AC	PASS
24	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.017984	Volts AC	PASS
25	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	J3/A22&GND	5.735	5.969	5.826988	Volts DC	PASS
26	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/A30&P3/A30	-5.969	-5.735	-5.824056	Volts DC	PASS
27	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=5V,J2/A20=5V)	P3/C10&P3/B10	0	0.2	0.085436	Volts AC	PASS
28	9V atJ3/B20 and GND(J2/A27=5V,J2/A19=0V,J2/A20=0V)	P3/C10&P3/B10	0.985	1.025	1.018253	Volts AC	PASS

23)	CHANNEL-1 RAB SIGNAL STIMULUS(7.07Vrms at P2/C5 and P2/C6)						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	2.45	2.548	2.511077	Volts AC	PASS
2	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	2.45	2.548	2.509044	Volts AC	PASS
3	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-0.1	0.1	0.008774	Volts DC	PASS
4	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-0.1	0.1	-0.001756	Volts DC	PASS
5	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	3.914	4.072	4.003147	Volts AC	PASS
6	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.017211	Volts AC	PASS
7	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	5.735	5.969	5.833126	Volts DC	PASS
8	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-5.969	-5.735	-5.829747	Volts DC	PASS
9	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	0.985	1.025	1.018372	Volts AC	PASS
10	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	4.000862	Volts AC	PASS
11	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-5.969	-5.735	-5.820492	Volts DC	PASS
12	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	5.735	5.969	5.828017	Volts DC	PASS
13	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=5V,J2/A22=5V)	P3/C11&P3/B11	0	0.2	0.087021	Volts AC	PASS
14	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	4.001815	Volts AC	PASS
15	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	2.45	2.548	2.50855	Volts AC	PASS
16	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	2.45	2.548	2.508949	Volts AC	PASS

17	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-0.1	0.1	0.004107	Volts DC	PASS
18	0V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-0.1	0.1	-0.001559	Volts DC	PASS
19	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	0.985	1.025	1.019415	Volts AC	PASS
20	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	3.914	4.072	3.999998	Volts AC	PASS
21	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	-5.969	-5.735	-5.821649	Volts DC	PASS
22	-9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	5.735	5.969	5.824286	Volts DC	PASS
23	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A11&P3/B11	3.914	4.072	3.996241	Volts AC	PASS
24	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.020215	Volts AC	PASS
25	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	J3/A27&GND	5.735	5.969	5.82443	Volts DC	PASS
26	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/A31&P3/C31	-5.969	-5.735	-5.82265	Volts DC	PASS
27	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=5V,J2/A22=5V)	P3/C11&P3/B11	0	0.2	0.087261	Volts AC	PASS
28	9V atJ3/B21 and GND(J2/A28=5V,J2/A21=0V,J2/A22=0V)	P3/C11&P3/B11	0.985	1.025	1.019578	Volts AC	PASS

24) CHANNEL-4 RAB SIGNAL STIMULUS(7.07Vrms at P2/C7 and P2/C8)							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	2.45	2.548	2.513821	Volts AC	PASS
2	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	2.45	2.548	2.513529	Volts AC	PASS
3	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-0.1	0.1	0.005805	Volts DC	PASS

4	0V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-0.1	0.1	0.001605	Volts DC	PASS
5	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	3.914	4.072	4.008452	Volts AC	PASS
6	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.019615	Volts AC	PASS
7	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	5.735	5.969	5.845275	Volts DC	PASS
8	-9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-5.969	-5.735	-5.84242	Volts DC	PASS
9	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	0.985	1.025	1.018937	Volts AC	PASS
10	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.007705	Volts AC	PASS
11	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-5.969	-5.735	-5.838895	Volts DC	PASS
12	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	5.735	5.969	5.847053	Volts DC	PASS
13	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=5V,J2/A24=5V)	P3/C12&P3/B12	0	0.2	0.08634	Volts AC	PASS
14	9V atP2/C23 and P2/C24(J2/A28=0V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.008675	Volts AC	PASS
15	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	2.45	2.548	2.511257	Volts AC	PASS
16	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	2.45	2.548	2.513336	Volts AC	PASS
17	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-0.1	0.1	0.001076	Volts DC	PASS
18	0V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-0.1	0.1	0.001661	Volts DC	PASS
19	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	0.985	1.025	1.020147	Volts AC	PASS
20	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	3.914	4.072	4.006774	Volts AC	PASS
21	-9V atJ3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	-5.969	-5.735	-5.839502	Volts DC	PASS

22	-9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	5.735	5.969	5.843176	Volts DC	PASS
23	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A12&P3/B12	3.914	4.072	4.003792	Volts AC	PASS
24	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.02154	Volts AC	PASS
25	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	J3/A28&GND	5.735	5.969	5.840243	Volts DC	PASS
26	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/A32&P3/C32	-5.969	-5.735	-5.838264	Volts DC	PASS
27	9V at J3/B22 and GND(J2/A28=5V,J2/A23=5V,J2/A24=5V)	P3/C12&P3/B12	0	0.2	0.086512	Volts AC	PASS
28	9V at J3/B22 and GND(J2/A28=5V,J2/A23=0V,J2/A24=0V)	P3/C12&P3/B12	0.985	1.025	1.021574	Volts AC	PASS

25) CHANNEL-2 LAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A13 and P2/B18	J3/A23&GND	-0.1	0.1	0.008012	Volts DC	PASS
2	1mA at P3/A13 and P2/B18	J3/A23&GND	-0.408	-0.392	-0.399602	Volts DC	PASS
3	2mA at P3/A13 and P2/B18	J3/A23&GND	-0.816	-0.784	-0.799059	Volts DC	PASS
4	3mA at P3/A13 and P2/B18	J3/A23&GND	-1.224	-1.176	-1.202652	Volts DC	PASS
5	4mA at P3/A13 and P2/B18	J3/A23&GND	-1.632	-1.568	-1.60641	Volts DC	PASS
6	5mA at P3/A13 and P2/B18	J3/A23&GND	-2.04	-1.96	-2.010041	Volts DC	PASS
7	5mA at P3/A13 and P2/B18	J3/A23&GND	-0.1	0.1	0.011773	Volts DC	PASS

26) CHANNEL-3 LAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A15 and P2/B20	J3/A24&GND	-0.1	0.1	0.008398	Volts DC	PASS
2	1mA at P3/A15 and P2/B20	J3/A24&GND	-0.408	-0.392	-0.397265	Volts DC	PASS
3	2mA at P3/A15 and P2/B20	J3/A24&GND	-0.816	-0.784	-0.794753	Volts DC	PASS
4	3mA at P3/A15 and P2/B20	J3/A24&GND	-1.224	-1.176	-1.196633	Volts DC	PASS
5	4mA at P3/A15 and P2/B20	J3/A24&GND	-1.632	-1.568	-1.599237	Volts DC	PASS
6	5mA at P3/A15 and P2/B20	J3/A24&GND	-2.04	-1.96	-2.001895	Volts DC	PASS
7	5mA at P3/A15 and P2/B20	J3/A24&GND	-0.1	0.1	0.011603	Volts DC	PASS

27) CHANNEL-1 RAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A17 and P2/B22	J3/A29&GND	-0.1	0.1	0.009259	Volts DC	PASS
2	1mA at P3/A17 and P2/B22	J3/A29&GND	-0.408	-0.392	-0.398011	Volts DC	PASS
3	2mA at P3/A17 and P2/B22	J3/A29&GND	-0.816	-0.784	-0.796657	Volts DC	PASS
4	3mA at P3/A17 and P2/B22	J3/A29&GND	-1.224	-1.176	-1.199433	Volts DC	PASS
5	4mA at P3/A17 and P2/B22	J3/A29&GND	-1.632	-1.568	-1.602392	Volts DC	PASS
6	5mA at P3/A17 and P2/B22	J3/A29&GND	-2.04	-1.96	-2.005163	Volts DC	PASS
7	5mA at P3/A17 and P2/B22	J3/A29&GND	-0.1	0.1	0.009933	Volts DC	PASS

28) CHANNEL-4 RAB-EHSV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0mA at P3/A19 and P2/B24	J3/A30&GND	-0.1	0.1	0.009249	Volts DC	PASS
2	1mA at P3/A19 and P2/B24	J3/A30&GND	-0.408	-0.392	-0.398546	Volts DC	PASS
3	2mA at P3/A19 and P2/B24	J3/A30&GND	-0.816	-0.784	-0.797856	Volts DC	PASS
4	3mA at P3/A19 and P2/B24	J3/A30&GND	-1.224	-1.176	-1.201326	Volts DC	PASS
5	4mA at P3/A19 and P2/B24	J3/A30&GND	-1.632	-1.568	-1.604943	Volts DC	PASS
6	5mA at P3/A19 and P2/B24	J3/A30&GND	-2.04	-1.96	-2.008479	Volts DC	PASS

7	5mA at P3/A19 and P2/B24	J3/A30&GND	-0.1	0.1	0.01182	Volts DC	PASS
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29) CHANNEL-1 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B25	P3/B29&GND	22.864	23.796	23.184676	mA	PASS
2	LOW at J2/B25	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B25	P3/B29&GND	-0.1	0.1	-0.000015	mA	PASS
4	LOW at J2/B25	J2/C1&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B25	P3/B29&GND	-0.1	0.1	0.000023	mA	PASS
6	HIGH at J2/B25	J2/C1&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B29	P2/A17&P2/A18	0	10	2.872584	OHMS	PASS
8	LOW at J2/B29	P2/A17&P2/A18	OPEN	OPEN	OPEN	OHMS	PASS

30) CHANNEL-2 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B26	P3/B30&GND	22.864	23.796	23.196011	mA	PASS
2	LOW at J2/B26	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B26	P3/B30&GND	-0.1	0.1	0.00003	mA	PASS

4	LOW at J2/B26	J2/C2&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B26	P3/B30&GND	-0.1	0.1	-0.000004	mA	PASS
6	HIGH at J2/B26	J2/C2&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B30	P2/A19&P2/A20	0	10	10.063235	OHMS	PASS
8	LOW at J2/B30	P2/A19&P2/A20	OPEN	OPEN	OPEN	OHMS	PASS

31) CHANNEL-3 AB SPARE DO & AP SPARE DI							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B27	P3/B31&GND	22.864	23.796	23.203462	mA	PASS
2	LOW at J2/B27	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B27	P3/B31&GND	-0.1	0.1	0.000021	mA	PASS
4	LOW at J2/B27	J2/C3&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B27	P3/B31&GND	-0.1	0.1	0.000034	mA	PASS
6	HIGH at J2/B27	J2/C3&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B31	P2/A21&P2/A22	0	10	3.807529	OHMS	PASS
8	LOW at J2/B31	P2/A21&P2/A22	OPEN	OPEN	OPEN	OHMS	PASS

32)	CHANNEL-4 AB SPARE DO & AP SPARE DI						
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	LOW at J2/B28	P3/B32&GND	22.864	23.796	23.191262	mA	PASS
2	LOW at J2/B28	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS
3	LOW at J2/B28	P3/B32&GND	-0.1	0.1	0.000061	mA	PASS
4	LOW at J2/B28	J2/C4&GND	LOW	LOW	LOW	DI	PASS
5	HIGH at J2/B28	P3/B32&GND	-0.1	0.1	0.000063	mA	PASS
6	HIGH at J2/B28	J2/C4&GND	HIGH	HIGH	HIGH	DI	PASS
7	HIGH at J2/B32	P2/A23&P2/A24	0	10	8.069687	OHMS	PASS
8	LOW at J2/B32	P2/A23&P2/A24	OPEN	OPEN	OPEN	OHMS	PASS

33) CHANNEL-1 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A1 and P2/A2	J3/B1&GND	2.45	2.55	2.477157	Volts DC	PASS
2	2.6kHz at P2/A1 and P2/A2	J3/B1&GND	2.548	2.652	2.574959	Volts DC	PASS
3	2.7kHz at P2/A1 and P2/A2	J3/B1&GND	2.646	2.754	2.672671	Volts DC	PASS
4	2.8kHz at P2/A1 and P2/A2	J3/B1&GND	2.744	2.856	2.770177	Volts DC	PASS
5	2.9kHz at P2/A1 and P2/A2	J3/B1&GND	2.842	2.958	2.867617	Volts DC	PASS
6	3kHz at P2/A1 and P2/A2	J3/B1&GND	2.94	3.06	2.965143	Volts DC	PASS
7	3.1kHz at P2/A1 and P2/A2	J3/B1&GND	3.038	3.162	3.062374	Volts DC	PASS
8	3.2kHz at P2/A1 and P2/A2	J3/B1&GND	3.136	3.264	3.159445	Volts DC	PASS
9	3.3kHz at P2/A1 and P2/A2	J3/B1&GND	3.234	3.366	3.256634	Volts DC	PASS
10	3.4kHz at P2/A1 and P2/A2	J3/B1&GND	3.332	3.468	3.3537	Volts DC	PASS
11	3.5kHz at P2/A1 and P2/A2	J3/B1&GND	3.43	3.57	3.450909	Volts DC	PASS

34) CHANNEL-2 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A3 and P2/A4	J3/B2&GND	2.45	2.55	2.51903	Volts DC	PASS
2	2.6kHz at P2/A3 and P2/A4	J3/B2&GND	2.548	2.652	2.618182	Volts DC	PASS

3	2.7kHz at P2/A3 and P2/A4	J3/B2&GND	2.646	2.754	2.717211	Volts DC	PASS
4	2.8kHz at P2/A3 and P2/A4	J3/B2&GND	2.744	2.856	2.816273	Volts DC	PASS
5	2.9kHz at P2/A3 and P2/A4	J3/B2&GND	2.842	2.958	2.915269	Volts DC	PASS
6	3kHz at P2/A3 and P2/A4	J3/B2&GND	2.94	3.06	3.014192	Volts DC	PASS
7	3.1kHz at P2/A3 and P2/A4	J3/B2&GND	3.038	3.162	3.112938	Volts DC	PASS
8	3.2kHz at P2/A3 and P2/A4	J3/B2&GND	3.136	3.264	3.211785	Volts DC	PASS
9	3.3kHz at P2/A3 and P2/A4	J3/B2&GND	3.234	3.366	3.310456	Volts DC	PASS
10	3.4kHz at P2/A3 and P2/A4	J3/B2&GND	3.332	3.468	3.409025	Volts DC	PASS
11	3.5kHz at P2/A3 and P2/A4	J3/B2&GND	3.43	3.57	3.507421	Volts DC	PASS

35) CHANNEL-3 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A5 and P2/A6	J3/B3&GND	2.45	2.55	2.489492	Volts DC	PASS
2	2.6kHz at P2/A5 and P2/A6	J3/B3&GND	2.548	2.652	2.587907	Volts DC	PASS
3	2.7kHz at P2/A5 and P2/A6	J3/B3&GND	2.646	2.754	2.686059	Volts DC	PASS
4	2.8kHz at P2/A5 and P2/A6	J3/B3&GND	2.744	2.856	2.7842	Volts DC	PASS
5	2.9kHz at P2/A5 and P2/A6	J3/B3&GND	2.842	2.958	2.882347	Volts DC	PASS
6	3kHz at P2/A5 and P2/A6	J3/B3&GND	2.94	3.06	2.980272	Volts DC	PASS

7	3.1kHz at P2/A5 and P2/A6	J3/B3&GND	3.038	3.162	3.078003	Volts DC	PASS
8	3.2kHz at P2/A5 and P2/A6	J3/B3&GND	3.136	3.264	3.175803	Volts DC	PASS
9	3.3kHz at P2/A5 and P2/A6	J3/B3&GND	3.234	3.366	3.273352	Volts DC	PASS
10	3.4kHz at P2/A5 and P2/A6	J3/B3&GND	3.332	3.468	3.371163	Volts DC	PASS
11	3.5kHz at P2/A5 and P2/A6	J3/B3&GND	3.43	3.57	3.468533	Volts DC	PASS

36) CHANNEL-4 RVDT FREQUENCY							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	2.5kHz at P2/A7 and P2/A8	J3/B4&GND	2.45	2.55	2.535545	Volts DC	PASS
2	2.6kHz at P2/A7 and P2/A8	J3/B4&GND	2.548	2.652	2.635286	Volts DC	PASS
3	2.7kHz at P2/A7 and P2/A8	J3/B4&GND	2.646	2.754	2.735323	Volts DC	PASS
4	2.8kHz at P2/A7 and P2/A8	J3/B4&GND	2.744	2.856	2.834926	Volts DC	PASS
5	2.9kHz at P2/A7 and P2/A8	J3/B4&GND	2.842	2.958	2.934553	Volts DC	PASS
6	3kHz at P2/A7 and P2/A8	J3/B4&GND	2.94	3.06	3.034065	Volts DC	PASS
7	3.1kHz at P2/A7 and P2/A8	J3/B4&GND	3.038	3.162	3.133541	Volts DC	PASS
8	3.2kHz at P2/A7 and P2/A8	J3/B4&GND	3.136	3.264	3.233107	Volts DC	PASS
9	3.3kHz at P2/A7 and P2/A8	J3/B4&GND	3.234	3.366	3.332482	Volts DC	PASS
10	3.4kHz at P2/A7 and P2/A8	J3/B4&GND	3.332	3.468	3.431777	Volts DC	PASS

11	3.5kHz at P2/A7 and P2/A8	J3/B4&GND	3.43	3.57	3.53088	Volts DC	PASS
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37) CHANNEL-1 AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/C15 and GND(J2/B10=LOW)	J2/B19&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/C15 and GND(J2/B10=LOW)	P3/C13&P3/C14	27.44	28.56	28.032138	Volts DC	PASS
3	28V at P3/C15 and GND(J2/B10=LOW)	J2/B19&GND	LOW	LOW	LOW	DI	PASS
4	28V at P3/C15 and GND(J2/B10=LOW)	P3/C13&P3/C14	-0.1	0.1	0.013821	Volts DC	PASS
5	28V at P3/C15 and GND(J2/B10=HIGH)	J2/B19&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/C15 and GND(J2/B10=HIGH)	P3/C13&P3/C14	-0.1	0.1	0.008417	Volts DC	PASS
7	0V at P3/C15 and GND(J2/B10=HIGH)	J2/B19&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/C15 and GND(J2/B10=HIGH)	P3/C13&P3/C14	-0.1	0.1	0.00577	Volts DC	PASS

38) CHANNEL-2 AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/B15 and GND(J2/B6=LOW)	J2/B17&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/B15 and GND(J2/B6=LOW)	P3/B13&P3/B14	27.44	28.56	28.03203	Volts DC	PASS
3	28V at P3/B15 and GND(J2/B6=LOW)	J2/B17&GND	LOW	LOW	LOW	DI	PASS

4	28V at P3/B15 and GND(J2/B6=LOW)	P3/B13&P3/B14	-0.1	0.1	0.013828	Volts DC	PASS
5	28V at P3/B15 and GND(J2/B6=HIGH)	J2/B17&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/B15 and GND(J2/B6=HIGH)	P3/B13&P3/B14	-0.1	0.1	0.009087	Volts DC	PASS
7	0V at P3/B15 and GND(J2/B6=HIGH)	J2/B17&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/B15 and GND(J2/B6=HIGH)	P3/B13&P3/B14	-0.1	0.1	0.006693	Volts DC	PASS

39) CHANNEL-3-AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/B18 and GND(J2/B8=LOW)	J2/B18&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/B18 and GND(J2/B8=LOW)	P3/B16&P3/B17	27.44	28.56	28.033935	Volts DC	PASS
3	28V at P3/B18 and GND(J2/B8=LOW)	J2/B18&GND	LOW	LOW	LOW	DI	PASS

4	28V at P3/B18 and GND(J2/B8=LOW)	P3/B16&P3/B17	-0.1	0.1	0.015149	Volts DC	PASS
5	28V at P3/B18 and GND(J2/B8=HIGH)	J2/B18&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/B18 and GND(J2/B8=HIGH)	P3/B16&P3/B17	-0.1	0.1	0.010175	Volts DC	PASS
7	0V at P3/B18 and GND(J2/B8=HIGH)	J2/B18&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/B18 and GND(J2/B8=HIGH)	P3/B16&P3/B17	-0.1	0.1	0.008448	Volts DC	PASS

40) CHANNEL-4 -AIR BRAKE SOV							
SL NO.	INPUT POINT	OUTPUT POINT	LOWER LIMIT	UPPER LIMIT	MEASURED VALUE	UNITS	RESULT
1	0V at P3/C18 and GND(J2/B12=LOW)	J2/B20&GND	HIGH	HIGH	HIGH	DI	PASS
2	0V at P3/C18 and GND(J2/B12=LOW)	P3/C16&P3/C17	27.44	28.56	28.034151	Volts DC	PASS
3	28V at P3/C18 and GND(J2/B12=LOW)	J2/B20&GND	LOW	LOW	LOW	DI	PASS
4	28V at P3/C18 and GND(J2/B12=LOW)	P3/C16&P3/C17	-0.1	0.1	0.016898	Volts DC	PASS
5	28V at P3/C18 and GND(J2/B12=HIGH)	J2/B20&GND	LOW	LOW	LOW	DI	PASS
6	28V at P3/C18 and GND(J2/B12=HIGH)	P3/C16&P3/C17	-0.1	0.1	0.01149	Volts DC	PASS
7	0V at P3/C18 and GND(J2/B12=HIGH)	J2/B20&GND	HIGH	HIGH	HIGH	DI	PASS
8	0V at P3/C18 and GND(J2/B12=HIGH)	P3/C16&P3/C17	-0.1	0.1	0.008863	Volts DC	PASS