

9.1.5 PA\_EXCITN-1 Checklist of SPS US\_PA\_EXCITN

Sl no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
1	TMR1-7 wrt TMR1-10	GB1_MONH_TM1 wrt TM2	4kΩ ± 20%	4.006kΩ	4.000kΩ
2	TMR1-25 wrt TMR1-42	GB1_MONL_TM1 wrt TM2	4kΩ ± 20%	4.011kΩ	4.000kΩ
3	TMR1-8 wrt TMR1-11	SPARE1_MONH_TM1 wrt TM2	4kΩ ± 20%	4.007kΩ	4.000kΩ
4	TMR1-26 wrt TMR1-43	SPARE1_MONL_TM1 wrt TM2	4kΩ ± 20%	4.009kΩ	4.000kΩ
5	TMR1-25 wrt TMR1-28	GB1_MONL_TM1 wrt AGND1	2kΩ ± 20%	2.008kΩ	2.000kΩ
6	TMR1-26 wrt TMR1-28	GB1_MONL_TM2 wrt AGND1	2kΩ ± 20%	2.012kΩ	2.000kΩ
7	TMR1-42 wrt TMR1-28	SPARE1_MONL_TM1 wrt AGND1	2kΩ ± 20%	2.010kΩ	2.000kΩ
8	TMR1-43 wrt TMR1-28	SPARE1_MONL_TM2 wrt AGND1	2kΩ ± 20%	2.004kΩ	2.000kΩ
9	TMR2-7 wrt TMR2-10	GB2_MONH_TM1 wrt TM2	4kΩ ± 20%	4.005kΩ	4.000kΩ
10	TMR2-25 wrt TMR2-42	GB2_MONL_TM1 wrt TM2	4kΩ ± 20%	4.010kΩ	4.000kΩ
11	TMR2-8 wrt TMR2-11	SPARE2_MONH_TM1 wrt TM2	4kΩ ± 20%	4.008kΩ	4.000kΩ
12	TMR2-26 wrt TMR2-43	SPARE2_MONL_TM1 wrt TM2	4kΩ ± 20%	4.000kΩ	4.000kΩ
13	TMR2-25 wrt TMR2-28	GB2_MONL_TM1 wrt AGND2	2kΩ ± 20%	2.000kΩ	2.000kΩ
14	TMR2-26 wrt TMR2-28	GB2_MONL_TM2 wrt AGND2	2kΩ ± 20%	2.000kΩ	2.000kΩ
15	TMR2-42 wrt TMR2-28	SPARE2_MONL_TM1 wrt AGND2	2kΩ ± 20%	2.000kΩ	2.000kΩ
16	TMR2-43 wrt TMR2-28	SPARE2_MONL_TM2 wrt AGND2	2kΩ ± 20%	2.000kΩ	2.000kΩ
17	TMR3-7 wrt TMR3-10	GB3_MONH_TM1 wrt TM2	4kΩ ± 20%	4.000kΩ	4.000kΩ
18	TMR3-25 wrt TMR3-42	GB3_MONL_TM1 wrt TM2	4kΩ ± 20%	4.000kΩ	4.000kΩ
19	TMR3-8 wrt TMR3-11	SPARE3_MONH_TM1 wrt TM2	4kΩ ± 20%	4.000kΩ	4.000kΩ
20	TMR3-26 wrt TMR3-43	SPARE3_MONL_TM1 wrt TM2	4kΩ ± 20%	4.000kΩ	4.000kΩ
21	TMR3-25 wrt TMR3-28	GB3_MONL_TM1 wrt AGND3	2kΩ ± 20%	2.000kΩ	2.000kΩ
22	TMR3-26 wrt TMR3-28	GB3_MONL_TM2 wrt AGND3	2kΩ ± 20%	2.000kΩ	2.000kΩ
23	TMR3-42 wrt TMR3-28	SPARE3_MONL_TM1 wrt AGND3	2kΩ ± 20%	2.000kΩ	2.000kΩ
24	TMR3-43 wrt TMR3-28	SPARE3_MONL_TM2 wrt AGND3	2kΩ ± 20%	2.000kΩ	2.000kΩ
25	TMR1-30 wrt TMR1-31	RTN to SPS-US1	<100mΩ	9mΩ	8mΩ
26	TMR1-30 wrt TMR1-32	RTN SPS US1	<100mΩ	9mΩ	9mΩ
27	TMR1-30 wrt TMR1-33	RTN SPS US1	<100mΩ	10mΩ	8mΩ
28	TMR2-30 wrt TMR2-31	RTN to SPS US2	<100mΩ	11mΩ	11mΩ
29	TMR2-30 wrt TMR2-32	RTN SPS US2	<100mΩ	12mΩ	11mΩ
30	TMR2-30 wrt TMR2-33	RTN SPS US2	<100mΩ	12mΩ	12mΩ
31	TMR3-30 wrt TMR3-31	RTN to SPS US3	<100mΩ	10mΩ	10mΩ
32	TMR3-30 wrt TMR3-32	RTN SPS US3	<100mΩ	11mΩ	10mΩ
33	TMR3-30 wrt TMR3-33	RTN SPS US3	<100mΩ	11mΩ	10mΩ
34	TMR1-13 wrt TMR1-14	+15V_V1 (CEM PM C25)	<100mΩ	10mΩ	10mΩ
35	TMR1-16 wrt TMR1-17	+15V_SPS-US1	<100mΩ	10mΩ	9mΩ
36	TMR2-13 wrt TMR2-14	+15V_V2 (CEM PM C25)	<100mΩ	11mΩ	11mΩ
37	TMR2-16 wrt TMR2-17	+15V_SPS-US2	<100mΩ	11mΩ	10mΩ
38	TMR3-13 wrt TMR3-14	+15V_V3 (CEM PM C25)	<100mΩ	9mΩ	8mΩ
39	TMR3-16 wrt TMR3-17	+15V_SPS-US3	<100mΩ	10mΩ	9mΩ
40	TMR1-45 wrt TMR1-46	-15V_V1	<100mΩ	8mΩ	8mΩ

Sl no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
41	TMR1-49 wrt TMR1-50	-15V_SPS US1	<100mΩ	7mΩ	6mΩ
42	TMR2-45 wrt TMR2-46	-15V_V2	<100mΩ	8mΩ	7mΩ
43	TMR2-49 wrt TMR2-50	-15V_SPS US2	<100mΩ	8mΩ	7mΩ
44	TMR3-45 wrt TMR3-46	-15V_V3	<100mΩ	8mΩ	8mΩ
45	TMR3-49 wrt TMR3-50	-15V_SPS US3	<100mΩ	10mΩ	9mΩ
46	TMR1-28 wrt TMR1-29	AGND1	<100mΩ	9mΩ	9mΩ
47	TMR2-28 wrt TMR2-29	AGND2	<100mΩ	10mΩ	10mΩ
48	TMR3-28 wrt TMR3-29	AGND3	<100mΩ	10mΩ	9mΩ
49	TMR1-28 wrt TMR1-30	AGND1 wrt RTN1	Not Short	115.350kΩ	115.358kΩ
50	TMR2-28 wrt TMR2-30	AGND2 wrt RTN2	Not Short	129.179kΩ	129.185kΩ
51	TMR3-28 wrt TMR3-30	AGND3 wrt RTN3	Not Short	130.837kΩ	131.043kΩ
52	TMR1-28 wrt TMR1-23	AGND1 wrt Excitn -ve for GB1	<100mΩ	11mΩ	11mΩ
53	TMR1-28 wrt TMR1-24	AGND1 wrt Excitn -ve for SPARE1	<100mΩ	11mΩ	11mΩ
54	TMR2-28 wrt TMR2-23	AGND2 wrt Excitn -ve for GB2	<100mΩ	11mΩ	11mΩ
55	TMR2-28 wrt TMR2-24	AGND2 wrt Excitn -ve for SPARE2	<100mΩ	11mΩ	11mΩ
56	TMR3-28 wrt TMR3-23	AGND3 wrt Excitn -ve for GB3	<100mΩ	12mΩ	11mΩ
57	TMR3-28 wrt TMR3-24	AGND3 wrt Excitn -ve for SPARE3	<100mΩ	12mΩ	11mΩ
58	TMR1-28 wrt TMR2-28	AGND1 wrt AGND2	Not Short	1.271MΩ	1.270MΩ
59	TMR1-28 wrt TMR3-28	AGND1 wrt AGND3	Not Short	1.275MΩ	1.265MΩ
60	TMR2-28 wrt TMR3-28	AGND2 wrt AGND3	Not Short	1.271MΩ	1.271MΩ
61	TMR1-32 wrt TMR2-32	Rtn1 wrt Rtn2	Not Short	95.154kΩ	93.961kΩ
62	TMR1-32 wrt TMR3-32	Rtn1 wrt Rtn3	Not Short	95.295kΩ	94.089kΩ
63	TMR2-32 wrt TMR3-32	Rtn2 wrt Rtn3	Not Short	95.238kΩ	92.778kΩ
64	TMR1-13 wrt TMR1-28	+15V_V1 & Rtn(PM)	Not Short	666.201kΩ	672.731kΩ
65	TMR1-16 wrt TMR1-32	+15V_SPS US1 wrt Rtn	Not Short	599.651kΩ	602.537kΩ
66	TMR1-28 wrt TMR1-46	AGND1 & -15V_V1	Not Short	783.683kΩ	784.137kΩ
67	TMR1-32 wrt TMR1-49	Rtn & -15V_SPS US1	Not Short	1.293MΩ	1.505MΩ
68	TMR1-13 wrt TMR1-45	+15V_V1 wrt -15V_V1	Not Short	293.215kΩ	298.184kΩ
69	TMR1-16 wrt TMR1-49	+15V_SPS US1 wrt -15V_SPS US1	Not Short	92.153kΩ	92.154kΩ
70	TMR1-13 wrt TMR1-16	+15V_V1 wrt +15V_SPS US1	Not Short	1.457MΩ	1.591MΩ
71	TMR1-45 wrt TMR1-49	-15V_V1 wrt -15V_SPS US1	Not Short	1.368MΩ	1.406MΩ
72	TMR1-13 wrt TMR1-49	+15V_V1 wrt -15V_SPS US1	Not Short	1.575MΩ	1.593MΩ
73	TMR1-16 wrt TMR1-45	+15V_SPS US1 wrt -15V_V1	Not Short	1.237MΩ	1.286MΩ
74	TMR2- 13 wrt TMR2-28	+15V_V2 & Rtn	Not Short	671.175kΩ	672.292kΩ
75	TMR2-16 wrt TMR2-32	+15V_SPS US2 & Rtn	Not Short	591.139kΩ	603.227kΩ
76	TMR2-28 wrt TMR2-46	AGND2 & -15V_V2	Not Short	742.158kΩ	775.690kΩ
77	TMR2-32 wrt TMR2-49	Rtn & -15V_SPS US2	Not Short	1.342MΩ	1.469MΩ
78	TMR2-13 wrt TMR2-45	+15V_V2 wrt -15V_V2	Not Short	286.850kΩ	292.620kΩ
79	TMR2-16 wrt TMR2-49	+15V_SPS US2 wrt -15V_SPS US2	Not Short	93.235kΩ	93.249kΩ
80	TMR2-13 wrt TMR2-16	+15V_V2 wrt +15V_SPS US2	Not Short	1.488MΩ	1.595MΩ
81	TMR2-45 wrt TMR2-49	-15V_V2 wrt -15V_SPS US2	Not Short	1.377MΩ	1.410MΩ
82	TMR2-13 wrt TMR2-49	+15V_V2 wrt -15V_SPS US2	Not Short	1.579MΩ	1.597MΩ

Sl no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
83	TMR2-16 wrt TMR2-45	+15V_SPS US2 wrt -15V_V2	Not Short	1.280MΩ	1.282MΩ
84	TMR3-13 wrt TMR3-28	+15V_V3 & Rtn	Not Short	671.268kΩ	672.346kΩ
85	TMR3-16 wrt TMR3-32	+15V_SPS US3 & Rtn	Not Short	587.567kΩ	602.726kΩ
86	TMR3-28 wrt TMR3-46	AGND3 & -15V_V3	Not Short	736.353kΩ	772.533kΩ
87	TMR3-32 wrt TMR3-49	Rtn & -15V_SPS US3	Not Short	1.325MΩ	1.459MΩ
88	TMR3-13 wrt TMR3-45	+15V_V3 wrt -15V_V3	Not Short	283.175kΩ	288.354kΩ
89	TMR3-16 wrt TMR3-49	+15V_SPS US3 wrt -15V_SPS US3	Not Short	91.766kΩ	91.753kΩ
90	TMR3-13 wrt TMR3-16	+15V_V3 wrt +15V_SPS US3	Not Short	1.472MΩ	1.594MΩ
91	TMR3-45 wrt TMR3-49	-15V_V3 wrt -15V_SPS US3	Not Short	1.373MΩ	1.409MΩ
92	TMR3-13 wrt TMR3-49	+15V_V3 wrt -15V_SPS US3	Not Short	1.577MΩ	1.596MΩ
93	TMR3-16 wrt TMR3-45	+15V_SPS US3 wrt -15V_V3	Not Short	1.280MΩ	1.284MΩ
94	TMR1-5 wrt TMR1-23	Excitn. +ve wrt -ve for GB1	Not Short	1.380MΩ	1.386MΩ
95	TMR1-6 wrt TMR1-24	Excitn. +ve wrt -ve for SPARE1	Not Short	1.383MΩ	1.385MΩ
96	TMR2-5 wrt TMR2-23	Excitn. +ve wrt -ve for GB2	Not Short	1.378MΩ	1.385MΩ
97	TMR2-6 wrt TMR2-24	Excitn. +ve wrt -ve for SPARE2	Not Short	1.383MΩ	1.386MΩ
98	TMR3-5 wrt TMR3-23	Excitn. +ve wrt -ve for GB3	Not Short	1.378MΩ	1.385MΩ
99	TMR3-6 wrt TMR3-24	Excitn. +ve wrt -ve for SPARE3	Not Short	1.383MΩ	1.386MΩ
100	TMR1-35 wrt TMR1-32	GB1_SPS1 wrt Rtn1	Not Short	1.122MΩ	1.123MΩ
101	TMR1-37 wrt TMR2-32	GB1_SPS2 wrt Rtn2	Not Short	1.123MΩ	1.126MΩ
102	TMR1-39 wrt TMR3-32	GB1_SPS3 wrt Rtn3	Not Short	1.107MΩ	1.128MΩ
103	TMR2-35 wrt TMR1-32	GB2_SPS1 wrt Rtn1	Not Short	1.106MΩ	1.127MΩ
104	TMR2-37 wrt TMR2-32	GB2_SPS2 wrt Rtn2	Not Short	1.118MΩ	1.126MΩ
105	TMR2-39 wrt TMR3-32	GB2_SPS3 wrt Rtn3	Not Short	1.121MΩ	1.126MΩ
106	TMR3-35 wrt TMR1-32	GB3_SPS1 wrt Rtn1	Not Short	1.124MΩ	1.128MΩ
107	TMR3-37 wrt TMR2-32	GB3_SPS2 wrt Rtn2	Not Short	1.120MΩ	1.127MΩ
108	TMR3-39 wrt TMR3-32	GB3_SPS3 wrt Rtn3	Not Short	1.125MΩ	1.129MΩ
109	TMR1-36 wrt TMR1-32	SPARE1_SPS1 wrt Rtn1	Not Short	1.124MΩ	1.128MΩ
110	TMR1-38 wrt TMR2-32	SPARE1_SPS2 wrt Rtn2	Not Short	1.125MΩ	1.127MΩ
111	TMR1-40 wrt TMR3-32	SPARE1_SPS3 wrt Rtn3	Not Short	1.126MΩ	1.128MΩ
112	TMR2-36 wrt TMR1-32	SPARE2_SPS1 wrt Rtn1	Not Short	1.123MΩ	1.127MΩ
113	TMR2-38 wrt TMR2-32	SPARE2_SPS2 wrt Rtn2	Not Short	1.123MΩ	1.127MΩ
114	TMR2-40 wrt TMR3-32	SPARE2_SPS3 wrt Rtn3	Not Short	1.125MΩ	1.127MΩ
115	TMR3-36 wrt TMR1-32	SPARE3_SPS1 wrt Rtn1	Not Short	1.122MΩ	1.127MΩ
116	TMR3-38 wrt TMR2-32	SPARE3_SPS2 wrt Rtn2	Not Short	1.123MΩ	1.126MΩ
117	TMR3-40 wrt TMR3-32	SPARE3_SPS3 wrt Rtn3	Not Short	1.127MΩ	1.130MΩ
118	TMR1-1 wrt TMR1-19	Sensor o/p +ve wrt -ve for GB1	Not Short	397.163kΩ	399.724kΩ
119	TMR1-2 wrt TMR1-20	Sensor o/p +ve wrt -ve for SPARE1	Not Short	398.371kΩ	400.124kΩ
120	TMR2-1 wrt TMR2-19	Sensor o/p +ve wrt -ve for GB2	Not Short	397.273kΩ	399.767kΩ
121	TMR2-2 wrt TMR2-20	Sensor o/p +ve wrt -ve for SPARE2	Not Short	398.417kΩ	400.124kΩ
122	TMR3-1 wrt TMR3-19	Sensor o/p +ve wrt -ve for GB3	Not Short	396.966kΩ	399.636kΩ
123	TMR3-2 wrt TMR3-20	Sensor o/p +ve wrt -ve for SPARE3	Not Short	398.203kΩ	400.060kΩ
124	All pins with respect to chassis		>100MΩ	>100MΩ	>100MΩ

Sl no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
125		All connector mounting posts wrt chassis	<100mΩ	<100mΩ	<100mΩ

**List of connectors in the package****1.TMR1,TMR2 and TMR3=50M**