

SIFAM MM Combiner Test Plan Summary Table

Test Description	Conditions	Reference
Temperature Cycle Monitor P _{out} over the cycle Perform final test before & after conditioning.	50°C for 16hr to 10°C for 16hr at a rate of 0.5°C/min	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-14
Aging Test Monitor P _{out} over test. Perform final test before & after conditioning	40°C for 2000 hrs, 5000 hrs for information	SIFAM
High Temperature Storage Perform final test before & after conditioning	85°C for 2000 hrs	GR-1221
Temperature Cycling Perform final test before & after conditioning	75°C to -40°C for 100 cycles with a 15 min dwell	SIFAM
Mechanical Shock Perform final test before & after conditioning	500 m/s ² 1ms half sine pulse, 5 times for 6 directions	GR-1221
Vibration Perform final test before & after conditioning	20g, 20-2000Hz Swept sine, 4 cycles of duration 4 minutes in 3 axis	GR-1221
Fibre Integrity Perform final test before & after conditioning	Straight Pull 0.5kg Side Pull 0.25kg (for Info only) Twist 0.25kg (for Info only)	GR-1209

Total Input Power ~50W for all monitored high power life tests.