

## Low Temperature Test

		3 : 1 or less @ 133KHz		
		Before Test	After Test	Rate of Change
Outdoor LF Antenna	#1	1.44	1.50	4.17%
	#2	1.46	1.55	6.16%
	#3	1.39	1.39	0.00%
	#4	1.57	1.61	2.55%
	#5	1.36	1.44	5.88%
	#6	1.36	1.36	0.00%
	VSWR	OK		

Test Image



<b>High Temperature Test</b>		S i g n	Design	Check	Check	Approval
			J.H. Ko			W.K. Kim
Report No.	RFC-0104-002	Date	2019.01.04			
Test Date	2018.12.27~2018.12.31	Organization/Tester	R&D Team / J.H. Ko			
<b>1. General Status</b>						
Request Team	RFC Co. Ltd R&D Team	Purpose	Reliability Test			
Requester	J.H. Ko	Test Item	High Temperature Test			
<b>2. Test Target</b>						
Car	Wheel Loader/ Excavator	Part No.	SMK-DWS-0300			
Model	SMK-DWS LF Ant	LOT NO.	#7 ~ #12			
<b>3. Test Status</b>						
Management No.	RFC-0104-002	Test Equipment	Constant Temp. Chamber			
Test Site	RF Controls Co. Ltd	Number of Samples	6 EA			
<b>4. Test Methods and Criteria</b>						
Test Method	Proceed at +85±2°C for 100 hours and leave at room temperature for 2hours					
Criteria	▶ After completion of the test, the change in the performance value of the DUT is within 10%					
<b>5. Test Results : " PASS " (Refer: Attached DATA)</b>						
<b>6. Remarks</b> - Reliability Test						
※ This is a test report only for samples submitted by the above request team and cannot be used for propaganda, litigation, or other legal requirements						

## High Temperature Test

	3 : 1 or less @ 133KHz			
	Before Test	After Test	Rate of Change	
Outdoor LF Antenna	#7	1.52	1.61	5.92%
	#8	1.39	1.43	2.88%
	#9	1.39	1.47	5.76%
	#10	1.31	1.38	5.34%
	#11	1.59	1.62	1.89%
	#12	1.33	1.41	6.02%
	VSWR	OK		

Test Image



Salt Water Spray Test			S	Design	Check	Check	Approval
			i	J.H. Ko			W.K. Kim
g	Report No.	RFC-0114-001	Date	2019.01.04			
n	Test Date	2019.01.08~2018.01.11	Organization/Tester	R&D Team / J.H. Ko			
<b>1. General Status</b>							
Request Team	RFC Co. Ltd R&D Team	Purpose	Reliability Test				
Requester	J.H. Ko	Test Item	High Temperature Test				
<b>2. Test Target</b>							
Car	Wheel Loader/ Excavator	Part No.	SMK-DWS-0300				
Model	SMK-DWS LF Ant	LOT NO.	#13 ~ #18				
<b>3. Test Status</b>							
Management No.	RFC-0114-001	Test Equipment	Constant Temp. Chamber/Salt Water(5%				
Test Site	RF Controls Co. Ltd	Number of Samples	6 EA				
<b>4. Test Methods and Criteria</b>							
Test Method	Leave at 85°C and 95% humidity chamber for 1 hour and soak in 5% salt water for 5 seconds. Move to the -40°C chamber, leave it for 1 hour, and soak it in 5% salt water for 5 seconds. (1Cycle) 16 cycles in total						
Criteria	▶ After completion of the test, the change in the performance value of the DUT is within 10%						
<b>5. Test Results : " PASS " (Refer: Attached DATA)</b>							
<b>6. Remarks</b> - Reliability Test							
※ This is a test report only for samples submitted by the above request team and cannot be used for propaganda, litigation, or other legal requirements							