# ROKK WIRELESS - ACTIVE

Part No. SC-CW-04E

Test Report Summary
15/02/2019

DYNAMIC ON WATER TESTING

VIBRATION AND CHOCK INVESTIGATION - UKAS

VOTSCH TEMPERATURE/HUMIDITY CHAMBER

ACCELERATED UV TESTING OF MATERIALS

SALT CORROSION RESISTANCE

CERTIFICATIONS APPROVALS

5 Darts Business Park
Clyst St George
Exeter. EX3 0QH

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# ROKK Wireless - Active - Test Report Summary

Part No. SC-CW-04E

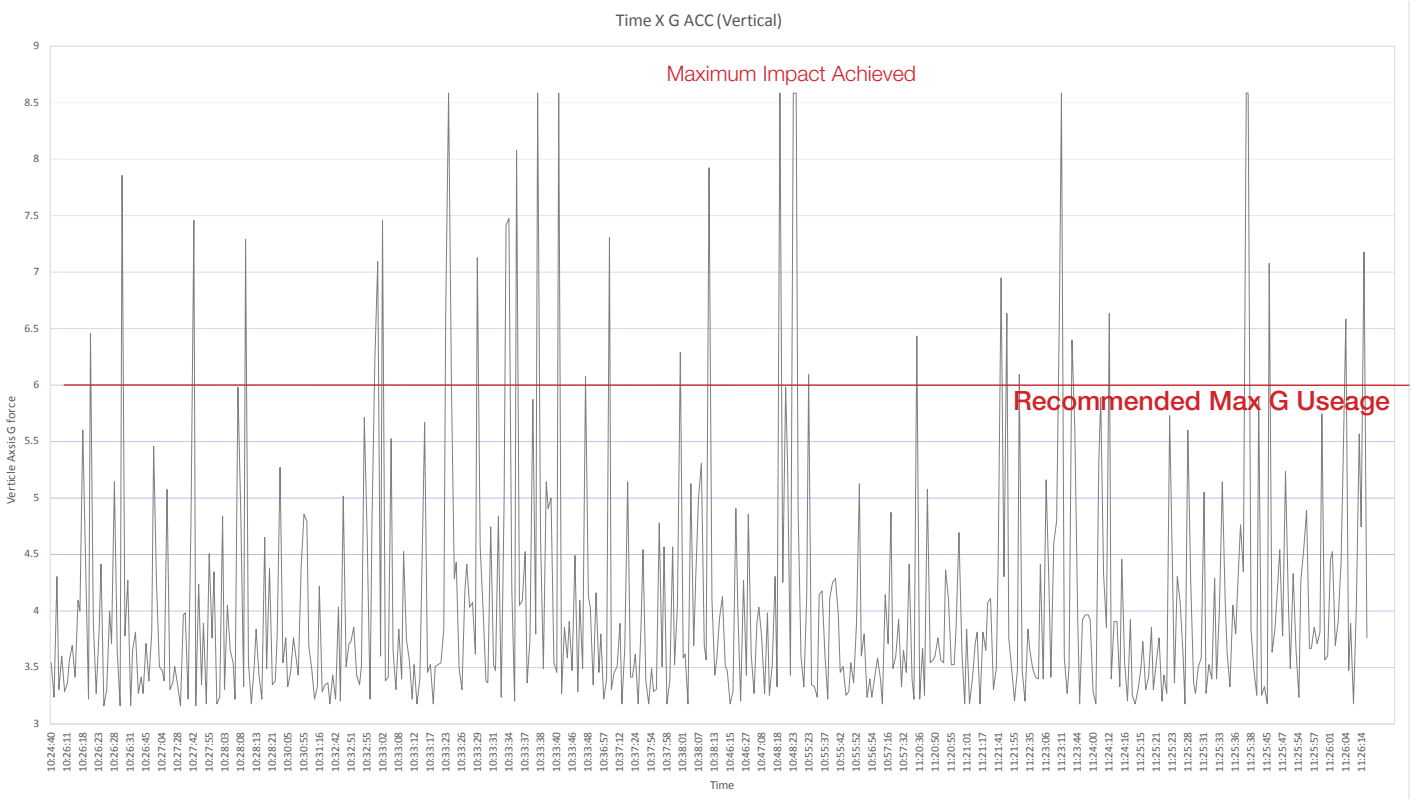
## DYNAMIC ON WATER TESTING

Date: 06.01.19
Start time 10.00am
Location: Exmouth, Devon, UK
Test Length: 3 Hours

Test Vessel: 27ft Rib
Engine(s): Suzuki 300HP
Max Test Speed: 43 knots

Weather: Cloudy
Visability: Good
Swell: 1M
Conditions: Choppy
Wind: 12MPH
Humidity:72%
Temp: 13C/55F

G Reading Data
Max impact: 8.58G

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# ROKK Wireless - Active - Test Report Summary

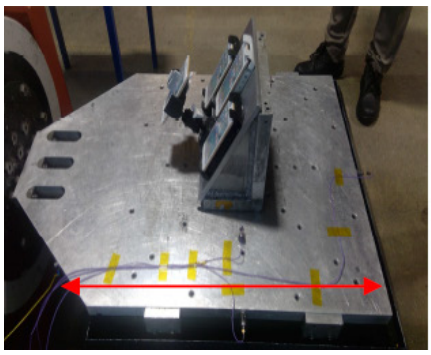
Part No. SC-CW-04E

## VIBRATION AND SHOCK INVESTIGATION - UKAS

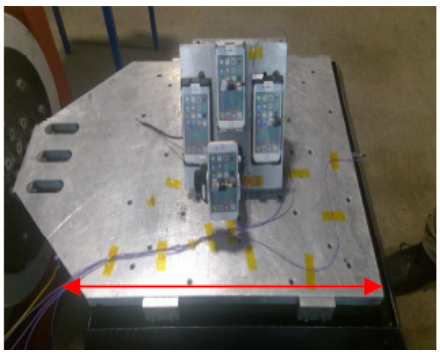
Date: 07.01.19
Time: 8.30am - 5.50pm
Location: Topsham, Devon, UK

Test Performed In Accordance With Vibration and Shock Investigation:
- UKAS BS EN 60068-2-6:2008
- Test Fc as per section 8.7 of BS EN 60945:2002
- BS EN 60068-2-27:2009 Test Ea.

The sample content was subjected to the test sequence detailed above, the particulars and methodology of which are contained in this test report summary. Testing consisted of subjecting the samples to several resonance searches at 7m/s² and 60m/s², between 3Hz and 250Hz, followed by a fixed frequency dwell at any peak resonance recorded. Equivalent to the prolonged resonance generated by varying marine engines.

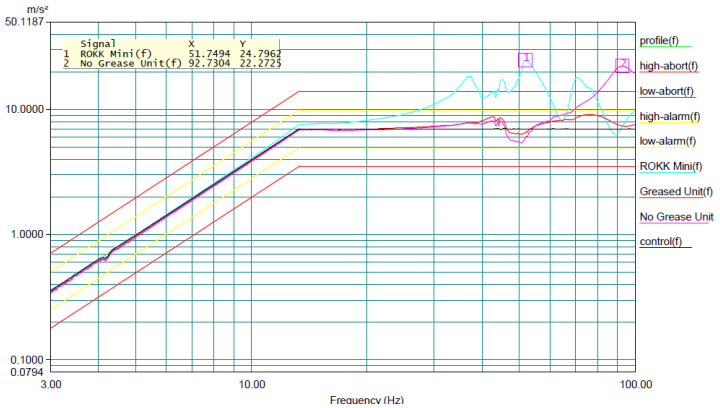


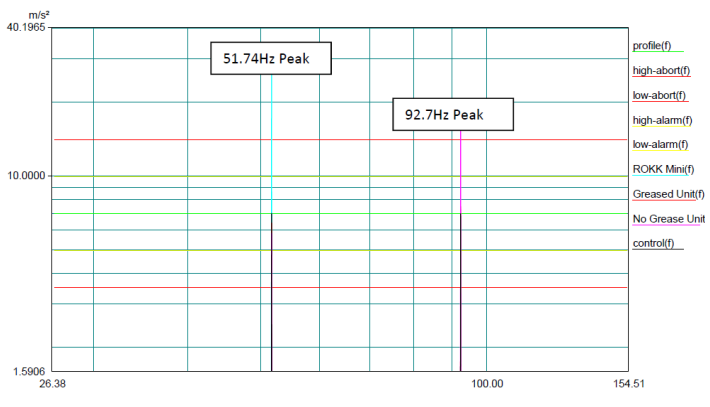
SAMPLES PLACED IN LONGITUDINAL AXIS



SAMPLES PLACED IN TRANSVERSE AXIS

SAMPLES PLACED IN VERITCAL AXIS

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# ROKK Wireless - Active - Test Report Summary

Part No. SC-CW-04E

## VOTSCH TEMPERATURE/HUMIDITY CHAMBER


Date: 06.02.19 - 06.03.19
Time 10.00am
Location: Topsham, Devon, UK

Temperature Range: -40°C to +85°C

Temperature Rate of Change:
3.5°C/min Heating
2.5°C/min Cooling

Humidity Range: 10% to 90% RH
Test Length: 32 Days

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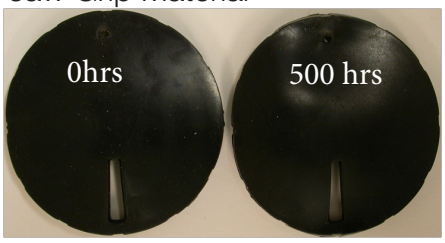
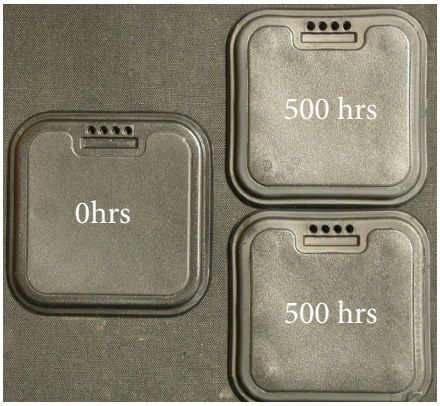
## ACCELERATED UV TESTING OF MATERIALS

Jaw Grip Material




Date: 07.01.19
Time 2.00pm
Location: Topsham, Devon, UK

Product Plastics




This report summary details accelerated UV weathering testing performed on a range of components supplied by Scanstrut. Testing was performed in accordance with ISO 4892 part 3 cycle 6 for a duration of 500hrs. This is a highly accelerated test using a UVB 313 bulb as with previous testing performed for Scanstrut.

Equivalent to 14 months in constant high level UV exposure in Florida with little to no change.

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# ROKK Wireless - Active - Test Report Summary

Part No. SC-CW-04E

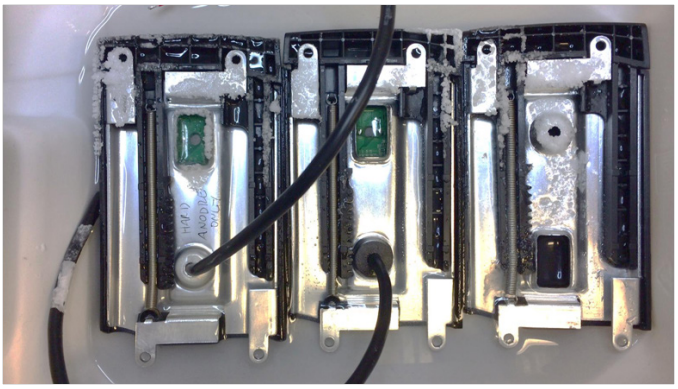
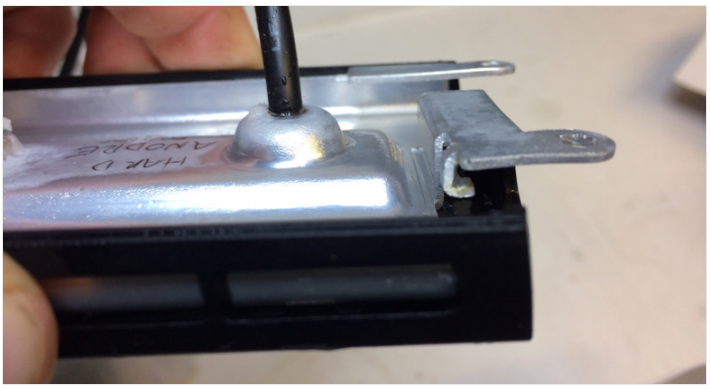
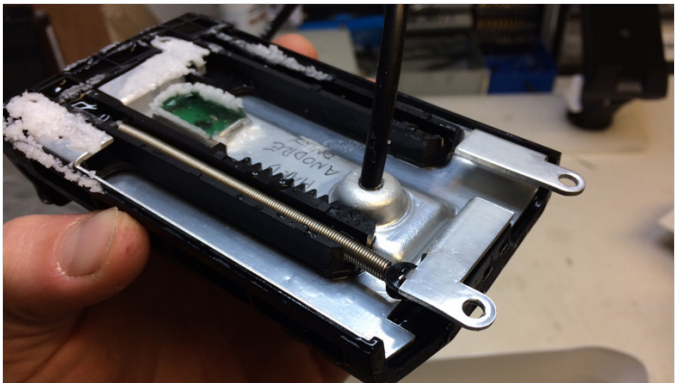
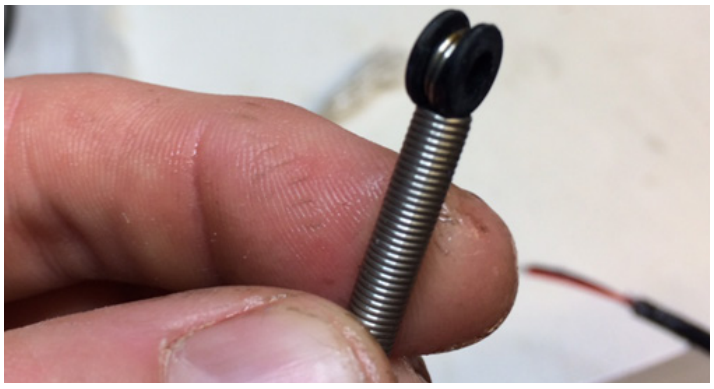
## SALT CORROSION RESISTANCE

Date: 06.02.19 - 27.02.19
Time 10.00am
Location: Topsham, Devon, UK

Materials Tested:
- Aluminium Chassis – Tempered & hard anodized with PTFE for low friction running.
- Springs – A4 316 Stainless Steel.
- Spring Insulators – Rubber grommets insulate stainless steel from aluminium to prevent galvanic corrosion.
- Nylon Shoulder Washers – Insulate Stainless Steel screws from aluminium.
- Plastics – UV stable PC, PC ABS & TPE for outer surfaces. Low friction POM for internals.
- PCB Electronics – Entirely encapsulated in thermally conductive silicone potting compound.

Results:
After 3 weeks of salt water submersion duration there is no noticeable change in either Stainless steel or aluminium.

After 3 weeks of salt water submersion :

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# ROKK Wireless - Active - Certifications Approvals

Part No. SC-CW-04E

| APPROVAL | REFERENCE NO. |
| --- | --- |
| IPX6 | T1880832 01 |
| CE | CTT201808201345W |
| Qi | QI-ID 3325/3326/3327 |
| FC | 2APUP-SCCW01 |
| ECE R10.05 | SZEM1807006376CR |
| RoHS | CTT201808201345R |