

**RFPinc's Filters,  
Multicouplers and  
Multi-Mode, Multi-Band  
RF Distribution System  
(M3B RFD):**

**HUMANITARIAN  
MISSION PROVEN.**



HMNZS Aotearoa MSC Ship



HMAS Adelaide LHD Ship

On January 15, 2022 the island nation of Tonga was hit by a volcano eruption and resulting tsunami. Preliminary data indicate that the event was probably the largest volcanic eruption in the 21st century, and the largest recorded since the 1991 eruption of Mount Pinatubo. NASA determined that the eruption was 500 times more powerful than the nuclear bomb used in World War 2. Tsunami waves up to 49 feet high hit Tonga. Salt water from the tsunami contaminated water supplies, ash damaged crops and prevented aircraft from landing on runways to deliver supplies and aid. ([www.reuters.com](http://www.reuters.com))

The New Zealand Navy reported (<https://nzdf.mil.nz/nzdf/significant-projects-and-issues/tonga-response/>) that its HMNZS Aotearoa MSC ship was sent to Tonga: "HMNZS Aotearoa's Commanding Officer Captain Simon Griffiths explains the support our Royal New Zealand Navy and Royal New Zealand Air Force have provided to Tonga recently. From surveying harbour entrances and supplying fresh desalinated water, to airdropping supplies and refuelling partner navies, we've been privileged to provide humanitarian aid and disaster relief to the people of Tonga."

The Australia Navy reported (<https://news.defence.gov.au/service/navy>) its HMAS Adelaide LHD ship was sent to help: "HMAS Adelaide arrived in Tonga to deliver more than 250 pallets of humanitarian stores, including water testing kits, tarpaulins, shelters, dignity and hygiene kits, and kitchen kits, as part of the Department of Foreign Affairs & Trade-led mission."

Tonga is about 2,000 miles east of Australia and about 1,200 miles north of New Zealand.

RFPinc's filter/multicouplers are on the HMAS Adelaide to enable simultaneous operations of mission critical radio communications. The HMNZS Aotearoa is also installed with RFPinc's Reconfigurable, Non-Stovepiped, Multi-Mode, Multi-Band RF Distribution System with RFD Remote-control Digital Dashboard (R2D2)™ which enables very fast and easy reconfiguration of communications with civilian agencies and with military as required. RFPinc's M3B RFD with R2D2 was invented and patented by RFPinc specifically to enable Navy ships to operate equally well in hostile or humanitarian missions, with reduced and easier mission planning and mission execution workloads. Frank Arlotta, RFPinc's VP, Sales, Marketing, System Design Engineering said: "More importantly than the business achievement of winning and delivering the contracts, RFPinc is very proud that the capability we provided on these ships is being put to its intended use of helping those in need in desperate times."