

“These particular antennas have been classified as troublesome for many years and no clear understanding of their true performance was ever able to be understood ... until now!” – Broadcast Australia



SIX ARMS

**AIRBORNE RADIO
MEASUREMENT SYSTEMS**

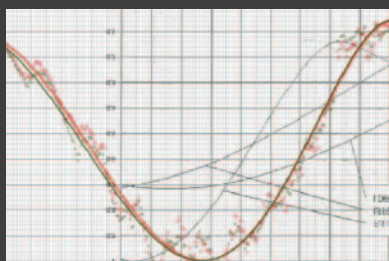
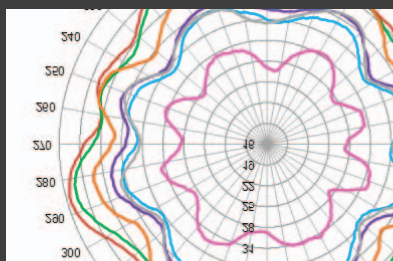
Do you know the performance of your antennas?



SERVICE

Antenna systems are complicated and time-consuming to verify. We overcome this by rapidly characterizing your system using one of our airborne rf measurement platforms to make sure you are getting the best performance out of your antenna infrastructure. Traditional land-based surveys are limited and slow. Our systems allow vast amounts of quality data to be gathered that can be used to determine the performance of your broadcast or transmission system, so that you are able to make informed decisions on how to improve your signal reliability.

To make sure you are getting the most out of your new and existing antennas, we recommend testing all new antenna installations at the commissioning stage for compliance to their design and also as the system ages to determine if faults have developed.



REPORTING

Substantial amounts of RF data are collected by our systems. To make sense of the data requires some expertise and experience. We produce quality Antenna Measurement Reports detailing the operation of your system as well as any issues that have been detected. We also recommend ways of improving these issues. Reports include:

- // Findings and Recommendations
- // Measured Radiation Patterns (All Polarizations)
- // Measured Effective Radiated Power (ERP)
- // RF Coverage Predictions based on measured data (optional)
- // Accuracy Estimates
- // Reviewed and Approved by an experienced and qualified Antenna Engineer.

TRAINING

To allow you to make the most of our products, we offer training on how to use our systems to accurately and safely measure your antennas. This will give you confidence in the process and allow quality data to be captured. There is a lot involved, so we want to make sure you get it right. We are happy to come to you or if you prefer a 'sunny' break, head over to us in Australia.



PRODUCTS

We offer two levels, both use calibrated and traceable components:

FULLY INTEGRATED

We have integrated our RF Measurement Systems with a number of high quality drone manufacturers to offer you a turnkey solution that works seamlessly. This package includes the:

- // High Performance Airborne Platform (drone)
- // Integrated RF Receiver and onboard computer,
- // Calibrated Antennas
- // Ground Control Station running our software

STANDALONE

Perhaps you have your own drone or prefer a different model. We offer you a standalone RF Measurement 'box' and calibrated antenna system which you are able to mount on the airborne platform of your choice.

We recommend the fully integrated systems as the performance of the equipment has been tested and customized to meet the requirements of working in harsh RF environments. Our integrated units typically have an absolute accuracy within $\pm 1.8\text{dB}$



ABOUT US

SIXARMS is an innovative company that is using cutting edge unmanned aerial vehicle (i.e. drone) technologies to produce efficient, accurate and cost-effective measurement solutions within the broadcast, telecommunication and defense rf environments.

We have taken our extensive knowledge and experience in these areas, added an airborne platform, replaced out-of-date measurement practices and created portable airborne measurement systems to offer a new era in rapid characterization of transmission infrastructure.

We offer consultancy services and measurement products customized to your requirements.

If you own or operate broadcast, telecommunication or defense RF infrastructure, are an RF consultant or a drone operator looking to expand your capabilities, or you're an investor looking for innovative solutions and products. We want to hear from you.

MEASURING "500KHZ TO 6GHZ"

Our Airborne Radio Measurement Systems are frequency independent, if your rf transmission network use a different frequency and protocol, you could still make use of one of our systems to verify the performance and range of your signals.

We have clients in the broadcast, telecommunication and defense industries.

Don't really know how your antenna systems are performing? Need to install a new antenna system and want to make sure it's operating correctly? We would be happy to discuss some solutions with you.

Give us a call, send an email and visit the website.

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