

# Remote Piloted Aircraft Systems

## RF Measurements

LS telcom's unique airborne RF measuring system profiles RF spectrum utilisation at operational radio sites and accurately measures the RF performance of radio systems.

Antenna system performance is spatially recorded and coverage performance optimization becomes simple and efficient.

LS offers its RF measurement services to network operators and regulatory authorities to efficiently determine the on-site performance of complex radiating antenna systems and without imposing on the actual operation of broadcast services.

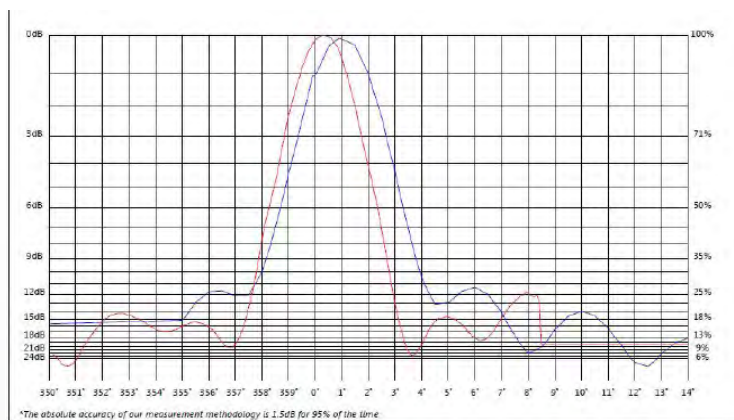
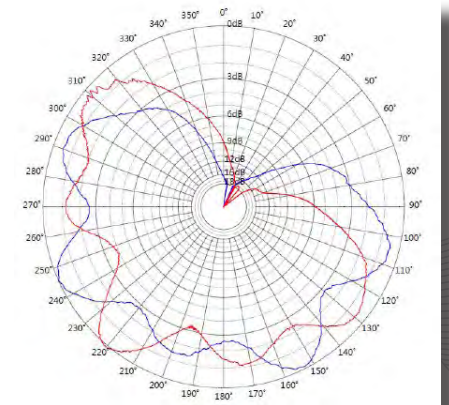
## Antenna System Measurements

- Site and mast location detail
- Antenna mounting height and position
- Sector azimuth orientation
- Electrical and mechanical tilt respectively
- Effective radiated power per service per sector
- Polar plots of horizontal and vertical antenna performance
- Coverage plots as required
- Key performance indicator as required



## RF Spectrum Audits

- Vectorised determination of site spectrum usage
- Relative transmission levels
- Azimuth direction relative to mast
- Radiation elevation relative to mast
- Spectrum bands of interest



**LS telcom**

LS Multi Copter Projects and Services (Pty) Ltd

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