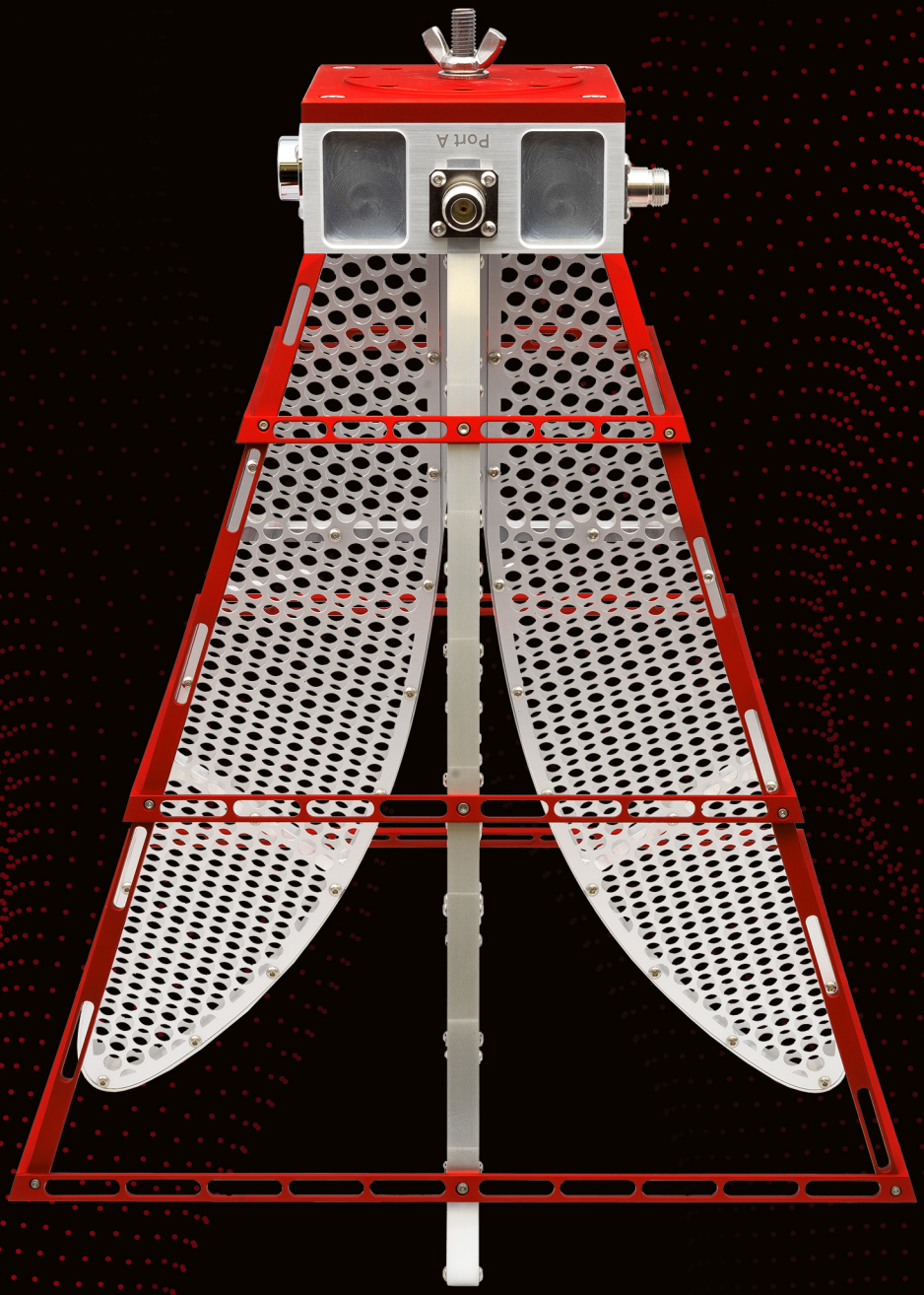
RF SPIN

Broadband
Antenna
Experts

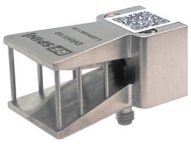
Portfolio Guide



PRECISION ENGINEERED.

Design · Manufacturing · Measurement

Single Polarized Antennas



DRH110

14 GHz – 110 GHz

VSWR$_{max}$ < 2.1
Gain 6.5 – 18.5 dBi
Power (CW/Peak)
4 W/8 W
1.00 mm$_{female}$

DRH67

6 GHz – 67 GHz

VSWR$_{max}$ < 1.9
Gain 7 – 21.5 dBi
Power (CW/Peak)
5 W/10 W
1.85 mm$_{female}$

DRH50

4.5 GHz – 50 GHz

VSWR$_{max}$ < 1.55
Gain 6 – 20.5 dBi
Power (CW/Peak)
10 W/20 W
2.40 mm$_{female}$

DRH40

4 GHz – 40 GHz

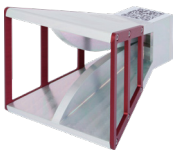
VSWR$_{max}$ < 1.6
Gain 7 – 20 dBi
Power (CW/Peak)
15 W/30 W
K$_{female}$

NEW

DRHX34

500 MHz – 34 GHz

VSWR$_{max}$ < 2.9
Gain 2 – 24 dBi
Power (CW/Peak)
25 W/50 W
K$_{female}$



DRH30

2.5 GHz – 30 GHz

VSWR$_{max}$ < 1.55
Gain 5 – 20 dBi
Power (CW/Peak)
25 W/50 W
K$_{female}$

DRH20E

1.6 GHz – 20 GHz

VSWR$_{max}$ < 1.5
Gain 5 – 17 dBi
Power (CW/Peak)
50 W/100 W
SMA$_{female}$

NEW

DRH18S

1 GHz – 18 GHz

VSWR$_{max}$ < 2.5
Gain 6 – 16 dBi
Power (CW/Peak)
100 W/170 W
N or SMA$_{female}$

DRH18-EX

800 MHz – 18 GHz

VSWR$_{max}$ < 2.5
Gain 2.5 – 15 dBi
Power (CW/Peak)
100 W/170 W
N or SMA$_{female}$

DRH10

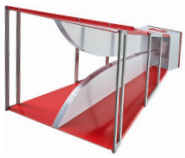
740 MHz – 10.5 GHz

VSWR$_{max}$ < 1.8
Gain 4 – 17 dBi
Power (CW/Peak)
150 W/250 W
N$_{female}$

DRH370

370 MHz – 6 GHz

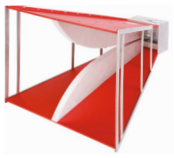
VSWR$_{max}$ < 1.6
Gain 3.5 – 16 dBi
Power (CW/Peak)
600 W/800 W
N$_{female}$



DRH300

300 MHz – 4.5 GHz

VSWR$_{max}$ < 1.6
Gain 4 – 15 dBi
Power (CW/Peak)
800 W/1200 W
N$_{female}$



DRH203

200 MHz – 3 GHz

VSWR$_{max}$ < 1.8
Gain 3 – 16 dBi
Power (CW/Peak)
1000 W/1500 W
N$_{female}$

DRH200

180 MHz – 2.2 GHz

VSWR$_{max}$ < 1.6
Gain 6 – 14 dBi
Power (CW/Peak)
1500 W/1900 W
N$_{female}$

NEW

DRH100

100 MHz – 1.4 GHz

VSWR$_{max}$ < 1.5
Gain 4 – 16 dBi
Power (CW/Peak)
2000 W/3000 W
7/16$_{female}$

Browse our entire antenna lineup at www.rfspin.com/catalog.

Outdoor Antennas

NEW

QRH18ER

1 GHz – 18 GHz

VSWR$_{max}$ < 2.5
Gain 4 – 16 dBi
Power (CW/Peak)
100 W/170 W
2 × SMA$_{female}$

QRH11R

730 MHz – 11 GHz

VSWR$_{max}$ < 2.4
Gain 3 – 15 dBi
Power (CW/Peak)
100 W/170 W
2 × SMA$_{female}$

NEW

QRH400R

400 MHz – 6 GHz

VSWR$_{max}$ < 2.5
Gain 3 – 15 dBi
Power (CW/Peak)
250 W/400 W
2 × N$_{female}$

DRH18-ER

1 GHz – 18 GHz

VSWR$_{max}$ < 2.2
Gain 6 – 15 dBi
Power (CW/Peak)
100 W/170 W
SMA$_{female}$

DRH18-EXR

800 MHz – 18 GHz

VSWR$_{max}$ < 2.4
Gain 2.5 – 15 dBi
Power (CW/Peak)
100 W/170 W
SMA$_{female}$

DRH10R

740 MHz – 10.5 GHz

VSWR$_{max}$ < 2.4
Gain 3 – 16 dBi
Power (CW/Peak)
150 W/250 W
SMA$_{female}$

Dual Polarized Antennas

QRH67E

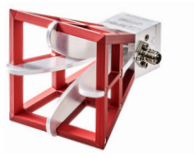
6 GHz – 67 GHz

VSWR$_{max}$ < 2.4
Gain 3 – 14 dBi
Power (CW/Peak)
5 W/10 W
2 × 1.85 mm$_{female}$

QRH50E

5 GHz – 50 GHz

VSWR$_{max}$ < 2.5
Gain 4 – 14 dBi
Power (CW/Peak)
5 W/10 W
2 × 2.40 mm$_{female}$



QRH40

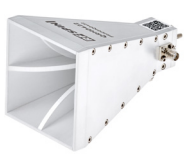
4 GHz – 40 GHz

VSWR$_{max}$ < 2.4
Gain 6 – 16 dBi
Power (CW/Peak)
10 W/20 W
2 × K$_{female}$

QRH0140

1 GHz – 40 GHz

VSWR$_{avg}$ < 2.4
Gain 5 – 15.5 dBi
Power (CW/Peak)
10 W/20 W
2 × K$_{female}$



QRH0422

4 GHz – 22 GHz

VSWR$_{max}$ < 2.4
Gain 8 – 16 dBi
Power (CW/Peak)
20 W/40 W
2 × SMA$_{female}$

QRH20E

1.7 GHz – 20 GHz

VSWR$_{max}$ < 2.4
Gain 5 – 15.5 dBi
Power (CW/Peak)
20 W/40 W
2 × SMA$_{female}$

NEW

QRH18E

1 GHz – 18 GHz

VSWR$_{max}$ < 2.5
Gain 5 – 16 dBi
Power (CW/Peak)
100 W/170 W
2 × SMA$_{female}$

QRH11

730 MHz – 11 GHz

VSWR$_{max}$ < 2.4
Gain 3 – 15.5 dBi
Power (CW/Peak)
100 W/170 W
2 × SMA$_{female}$

NEW

QRH600

600 MHz – 9 GHz

VSWR$_{max}$ < 2
Gain 4 – 15 dBi
Power (CW/Peak)
125 W/200 W
2 × N$_{female}$

QRH400

400 MHz – 6 GHz

VSWR$_{max}$ < 2.3
Gain 4 – 15 dBi
Power (CW/Peak)
500 W/700 W
2 × N$_{female}$

QRH300

300 MHz – 4.5 GHz

VSWR$_{max}$ < 2.2
Gain 2 – 15 dBi
Power (CW/Peak)
700 W/1100 W
2 × N$_{female}$

OEQWG1831AA

17.8 GHz – 31 GHz

VSWR$_{max}$ < 1.5
Gain 5.5 – 9.5 dBi
Power (CW/Peak)
25 W/50 W
K$_{female}$

High Gain Antennas

DRH1067

10 GHz – 67 GHz

VSWR$_{max}$ < 1.8
Gain 15 – 24 dBi
Power (CW/Peak)
5 W/10 W
1.85 mm$_{female}$

DRH0953

9 GHz – 53 GHz

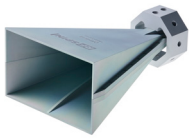
VSWR$_{max}$ < 2
Gain 13 – 25 dBi
Power (CW/Peak)
10 W/20 W
2.40 mm$_{female}$

DRH0844

8 GHz – 44 GHz

VSWR$_{max}$ < 2
Gain 15 – 24 dBi
Power (CW/Peak)
15 W/30 W
K$_{female}$

Other Horn Antennas



DRH818

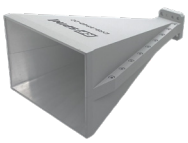
7.5 GHz – 18 GHz

VSWR$_{max}$ < 1.18
Gain 18 – 21 dBi
Power (CW/Peak)
1000 W/2500 W
WRD750

DRH1840-16

18 GHz – 40 GHz

VSWR$_{max}$ < 1.18
Gain 15 – 17 dBi
Power (CW/Peak)
450 W/2000 W
WRD180



DRH1840-22

18 GHz – 40 GHz

VSWR$_{max}$ < 1.18
Gain 20 – 23 dBi
Power (CW/Peak)
450 W/2000 W
WRD180

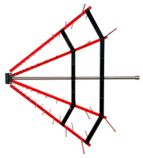
EMC Antennas

NEW

BIA300-10

30 MHz – 300 MHz

VSWR$_{max}$ < 15
Gain −12 – 5 dBi
Power (CW/Peak)
10 W/20 W
N$_{female}$



SLPP0230

200 MHz – 3 GHz

VSWR$_{max}$ < 1.8
Gain 8.5 – 11.5 dBi
Power (CW/Peak)
1000 W/2000 W
7/16$_{female}$

LPP0230

200 MHz – 3 GHz

VSWR$_{max}$ < 2.2
Gain 3.5 – 8.5 dBi
Power (CW/Peak)
100 W/200 W
N$_{female}$

LPP0380

300 MHz – 8 GHz

VSWR$_{max}$ < 2.2
Gain 2 – 7 dBi
Power (CW/Peak)
40 W/80 W
N$_{female}$

DRH0806

800 MHz – 6 GHz

VSWR$_{max}$ < 1.8
Gain 10 – 24 dBi
Power (CW/Peak)
1000 W/1300 W
7/16$_{female}$

NEW

DRH0908

950 MHz – 8 GHz

VSWR$_{max}$ < 4
Gain 8 – 24 dBi
Power (CW/Peak)
800 W/1500 W
7/16$_{female}$

Lens Antennas

QRH11C

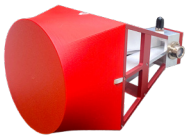
730 MHz – 11 GHz

VSWR$_{max}$ < 2.8
Gain 3 – 20 dBi
Power (CW/Peak)
100 W/170 W
SMA$_{female}$

QRH18EC

1 GHz – 18 GHz

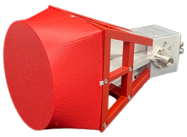
VSWR$_{max}$ < 2.8
Gain 5 – 23 dBi
Power (CW/Peak)
100 W/170 W
SMA$_{female}$



QRH20EC

1.7 GHz – 20 GHz

VSWR$_{max}$ < 2.4
Gain 5 – 22 dBi
Power (CW/Peak)
20 W/40 W
SMA$_{female}$



QRH40C

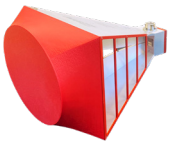
4 GHz – 40 GHz

VSWR$_{max}$ < 2.4
Gain 6 – 22 dBi
Power (CW/Peak)
10 W/20 W
K$_{female}$

DRH10C

740 MHz – 10.5 GHz

VSWR$_{max}$ < 2.2
Gain 4 – 22 dBi
Power (CW/Peak)
150 W/250 W
N$_{female}$



DRH18-EC

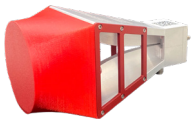
1 GHz – 18 GHz

VSWR$_{max}$ 2.5
Gain 5 – 23 dBi
Power (CW/Peak)
100 W/170 W
N or SMA$_{female}$

DRH20EC

1.6 GHz – 20 GHz

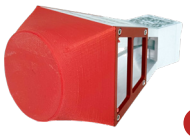
VSWR$_{max}$ < 2.2
Gain 6 – 24 dBi
Power (CW/Peak)
50 W/100 W
SMA$_{female}$



DRH30C

2.5 GHz – 30 GHz

VSWR$_{max}$ < 2.5
Gain 5 – 22 dBi
Power (CW/Peak)
25 W/50 W
K$_{female}$

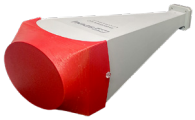


NEW

DRH40C

4 GHz – 40 GHz

VSWR$_{max}$ < 2.5
Gain 6 – 22 dBi
Power (CW/Peak)
15 W/30 W
K$_{female}$



DRH0844C

8 GHz – 44 GHz

VSWR$_{max}$ < 2.2
Gain 16 – 29 dBi
Power (CW/Peak)
15 W/30 W
K$_{female}$

Circular Polarized Antennas

CDHC1015

10 GHz – 15 GHz

VSWR$_{max}$ < 1.6
Gain 3 – 7 dBi
Power (CW/Peak)
5 W/10 W
2 × SMA$_{female}$

SH38-07

37.5 GHz – 39 GHz

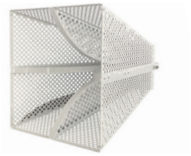
VSWR$_{max}$ < 1.4
Gain 7 dBi
Power (CW/Peak)
15 W/30 W
K$_{female}$

SH4652-07

46 GHz – 52 GHz

VSWR$_{max}$ < 1.6
Gain 7 dBi
Power (CW/Peak)
15 W/30 W
2 x 2.40 mm$_{female}$

Lightweight Antennas



QRH300-EX

300 MHz – 1.7 GHz

VSWR$_{max}$ < 2.2
Gain 6 – 14 dBi
Power (CW/Peak)
700 W/1100 W
N$_{female}$

NEW

QRH400L

400 MHz – 6 GHz

VSWR$_{max}$ < 2.3
Gain 4 – 15 dBi
Power (CW/Peak)
500 W/700 W
N$_{female}$

QRH0218

2 GHz – 18 GHz

VSWR$_{max}$ < 2.2
Gain 6 – 15 dBi
Power (CW/Peak)
100 W/170 W
SMA$_{female}$

Other Products

Standard Gain Horn Antennas

High-performance 8.2–140 GHz measurement antennas with gold plating or Bonderite 2040 coating providing specialized surface finishes.

Waveguide Adapters

Professional-grade adapters for precise transmission covering frequency bands from 3.95 to 110 GHz with an extensive selection of versatile connection types.

Mounting & Positioning

Durable tripods and adjustable mounts ensuring stable and accurate antenna alignment for repeatable results and high-precision testing.

RF Cables & Connectivity

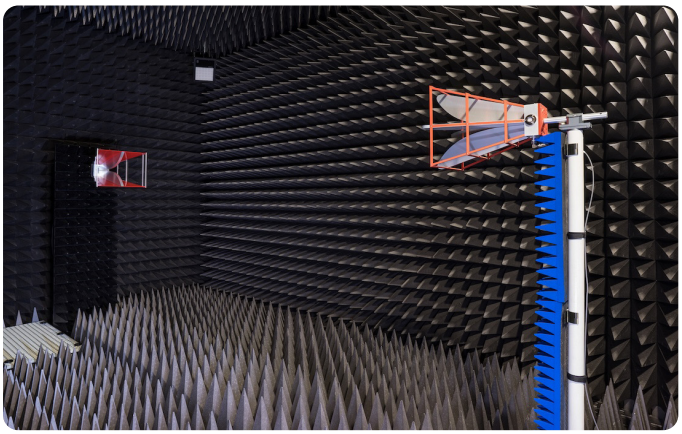
Professional-grade, low-loss coaxial cables and assemblies designed for high-frequency applications requiring maximum signal clarity.

Hybrid Couplers

Specialized couplers for circular polarization applications, providing high isolation and excellent phase balance for optimal performance.

Advanced Antenna Measurements

Our in-house anechoic chamber is a high-performance facility that guarantees the precision of every antenna we manufacture. Designed for full characterization up to 120 GHz, it serves as the primary verification hub for our own production as well as external measurement projects. This ensures that every product leaving our facility meets the highest industry standards.



Advanced Far-Field Testing

High-accuracy measurement of gain, 3D radiation patterns, and polarization at 3 m and 1 m distances.

High-Precision Calibration

We deliver repeatable, certified results that serve as a solid foundation for your R&D and technical documentation.

Premium Technology

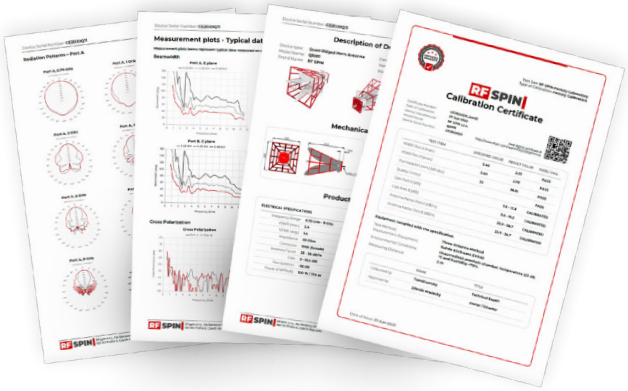
Our laboratory is powered by industry-leading instrumentation from **Anritsu, Rohde & Schwarz**, and **Keysight** to ensure uncompromising measurement standards.

Our measurement services are also fully available to external customers, providing expert technical support for every project.

Data & Certification

A calibration certificate is standard for every antenna. Depending on your technical or regulatory requirements, each antenna model is available in three levels of data precision.

See more at www.rfspin.com/antenna-data-certification.



PROFESSIONAL CHOICE

ESSENTIAL

Simulated Performance

Standard datasets (PDF) based on high-fidelity EM models and verified performance benchmarks.

PLUS

Individual Measurement

Comprehensive characterization of your specific unit in our anechoic chambers, delivered in multiple digital formats.

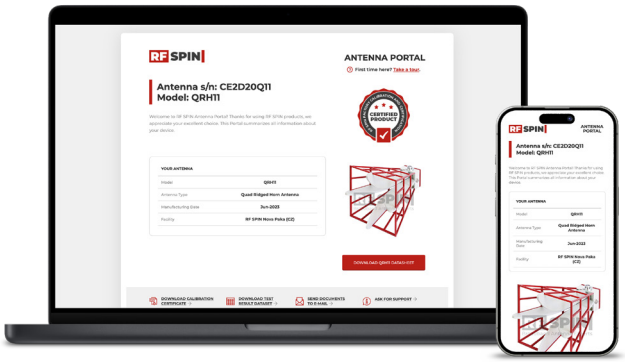
PLUS ACCREDITED

Accredited Certification

Full individual measurement dataset, issued with an ISO/IEC 17025 accredited laboratory certificate for regulated and mission-critical applications.

RF SPIN Antenna Portal

Your measurement results don't end with a printed report. The RF SPIN Antenna Portal safeguards your antenna's digital DNA in a permanent, lifetime archive – making your data as durable as your hardware.



All-in-One Performance Data

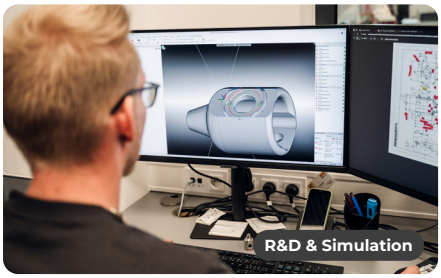
View complete characterization results, calibration certificates, and technical reports for your antenna unit – all safely stored in one place, available anytime.

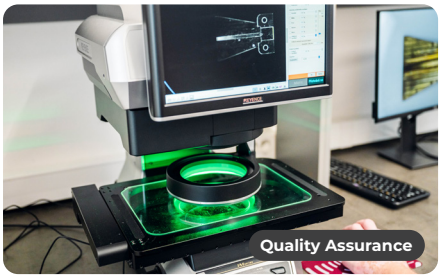
Simple Access

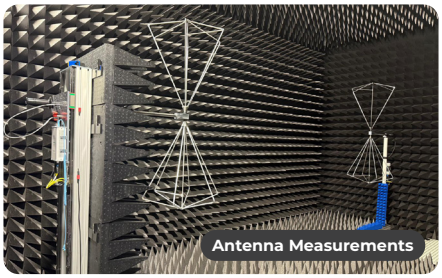
Scan the unique QR code on the unit or enter its 4-character token at **www.rfspin.com/ap** to instantly retrieve your antenna's full performance data.

End-to-End Production

Full control from concept to final delivery. By managing the entire development cycle in-house, we eliminate technical discrepancies and ensure that each antenna meets the highest standards of quality and performance.







Custom RF Solutions

Standard off-the-shelf antennas often fall short. From atypical frequencies to extreme environments, we provide custom engineering for unique challenges.

We transform concepts into high-performance hardware. Contact us to discuss your project and optimize your specific RF performance.

About RF SPIN

20+ Years of RF Excellence. RF SPIN is a global leader in innovative, precision broadband antennas, built on deep technical expertise and long-term partnerships with industry leaders worldwide.

AIRBUS DEFENCE & SPACE · NASA · NATO OTAN · SPACEX · DLR · AUMOVIO Robotic Solutions · Mercedes-Benz · Fraunhofer · Valeo · HENSOLDT · MBDA · IAI

RF SPIN Worldwide

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