

OpenRF Spectrum Workflow

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Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
Deployment	<code>opensof.bss.dev</code>
Source	<code>/srv/bss/releases/OpenSOF-v0.15.0-20app</code>
Evidence	Reference SDR/edge demonstration plus technology indicators
Source fingerprint	<code>cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e</code>
Status	Generated baseline — human review required

“ **Verification boundary:** This page combines platform design guidance with static evidence from the release. It does not prove that every detected interface is enabled, reachable, secure, or operational in the deployed environment.

Objective

Demonstrate registered SDR discovery, synchronized/located collection, edge spectrum processing and a low-latency spectrum or detection product visible through OpenRF without transporting unnecessary raw samples.

Procedure

1. Register the radio agent/device with stable ID, driver, capabilities, location profile and time source.
2. Confirm agent health, radio enumeration and selected center frequency/sample/bandwidth/gain settings.
3. Start a bounded scan or known FM/spectrum example and observe local processing load/drop indicators.
4. Open the OpenRF view and verify live spectrum/detection product, labels, units and timestamps.
5. Change one authorized setting and verify acknowledgement plus visible result.
6. Record latency, update rate, sample/drop quality and time/PNT status.
7. Stop the task and verify radio resources are released.

Pass criteria

Correct radio/profile is used; settings are bounded and authorized; product units/time are correct; view remains responsive; loss/degradation is visible; stop releases hardware; no raw bandwidth flood occurs across the WAN.

Observed technology indicators

Indicator	Occurrences
PTP/PPS	1064
camera/video	362
UHD/USRP	324
AIS	154
FlightGear	121
DIS	85
PlutoSDR	56
HackRF	55
SoapySDR	54
ADS-B	46

Maintainer Notes

Add human-reviewed deployment notes, corrections, decisions, screenshots, and links here.
Content outside the generated block is preserved on future runs.

Revision #1

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