

NySMAC Radio Frequency Form
Application and information form for use of radio frequency emitting instruments and devices in Ny-Ålesund Research Station (version 16.10.2023)

This form should be used when submitting information to NySMAC. See procedures on NySMAC website:

<https://nyalesundresearch.no/research-and-monitoring/researchers-guide/using-radio-frequencies/>

| Device | Frequency list | Effective radiated power | Signal type | Signal bandwidth | Antenna type, gain, polarisation | Location of operation (including altitude) | Emission direction (azimuth, elevation) |
|--|----------------|--------------------------|-----------------------------------|------------------|----------------------------------|--|---|
| Example | 1234 MHz | 10 W / 40 dBm | FM voice / radar / BPSK telemetry | 10 KHz | directional, 6 dB, vertical | 78°55'25.2"N 11°55'35.1"E 100 m | Az: 185 El: 0 |
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| Owner (name of institute) | | | | | | | |
| Instrument/equipment/device information and description | | | | | | | |
| Use for instrument/device/campaign | | | | | | | |
| Planned transmission duty cycle | | | | | | | |
| Time of operation (month year) | | | | | | | |
| Contact name | | | | Contact email | | | |
| Date of completing this form | | | | | | | |
| Comment | | | | | | | |
| Nkom licensing information (licence number or General Authorization §) | | | | | | | |
| Scientific motivation. If there are other duplicate/similar/related devices already present in Ny-Ålesund, include a statement on why this new device is necessary | | | | | | | |