

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

|                  |                                       |
|------------------|---------------------------------------|
| Customer ID      | 20025869                              |
| Licensee         | Field Solutions Group Pty Ltd         |
| Trading name     | Field Solutions Group Pty Ltd         |
| Licensee address | 38/23 Narabang Way, Belrose, NSW 2088 |

## Licence details

|                    |                |
|--------------------|----------------|
| Licence service    | Fixed          |
| Licence subservice | Point to Point |
| Licence number     | 12216111/1     |
| Date of issue      | 06/11/2023     |
| Date of effect     | 06/11/2023     |
| Date of expiry     | 05/11/2024     |

## Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

### **Rights of appeal**

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

### **Important**

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

## ACMA contact details

Customer Service Centre  
PO Box 78  
BELCONNEN ACT 2616

Telephone: 1300 850 115  
Email: [info@acma.gov.au](mailto:info@acma.gov.au)

ACMA website: [www.acma.gov.au](http://www.acma.gov.au)

## **Advisory Notes applying to licence no.: 12216111/1**

Conditions applicable to the operation of Point to Point station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Fixed Licence) Determination, the 'fixed licence lcd'. Copies of these determinations are available from the ACMA and from the ACMA home page ([www.acma.gov.au](http://www.acma.gov.au)).

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 1:

#### Site details

|                      |   |
|----------------------|---|
| Site ID              | 10033675  |
| Site address         | FSG 45m Lattice Kukerin, Off Justins Rd, South Kukerin WA |
| Co-ordinates (GDA94) | Latitude: -33.254994 Longitude: 118.067654                |

#### Transmitter details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.40500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264884      |
| Transmitter power   | 501 mW          |
| EIRP                | 5.13 kW         |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                     |
|----------------------|---------------------|
| Antenna ID           | 93410               |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth      | 260.32              |
| Antenna height (m)   | 30                  |
| Antenna type         | Parabolic           |

#### Receiver details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.91500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264885      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                     |
|----------------------|---------------------|
| Antenna ID           | 93410               |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth      | 260.32              |
| Antenna height (m)   | 30                  |
| Antenna type         | Parabolic           |

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 2:

#### Site details

|                      |   |
|----------------------|---|
| Site ID              | 10033676  |
| Site address         | FSG 45m Lattice, Lot 3809 One Twenty Nine Rd, Dumbleyung WA |
| Co-ordinates (GDA94) | Latitude: -33.29417 Longitude: 117.80729                    |

#### Transmitter details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.91500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264886      |
| Transmitter power   | 501 mW          |
| EIRP                | 5.13 kW         |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                     |
|----------------------|---------------------|
| Antenna ID           | 93410               |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth      | 80.32               |
| Antenna height (m)   | 30                  |
| Antenna type         | Parabolic           |

#### Receiver details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.40500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264887      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                     |
|----------------------|---------------------|
| Antenna ID           | 93410               |
| Antenna polarisation | V - Vertical linear |
| Antenna azimuth      | 80.32               |
| Antenna height (m)   | 30                  |
| Antenna type         | Parabolic           |

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 3:

#### Site details

|                      |   |
|----------------------|---|
| Site ID              | 10033675  |
| Site address         | FSG 45m Lattice Kukerin, Off Justins Rd, South Kukerin WA |
| Co-ordinates (GDA94) | Latitude: -33.254994 Longitude: 118.067654                |

#### Transmitter details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.24500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264888      |
| Transmitter power   | 501 mW          |
| EIRP                | 11.22 kW        |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 72.00                            |
| Antenna height (m)   | 42                               |
| Antenna type         | Parabolic Ultra High Performance |

#### Receiver details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.75500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264889      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 72.00                            |
| Antenna height (m)   | 42                               |
| Antenna type         | Parabolic Ultra High Performance |

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 4:

| Site details         |   |
|----------------------|---|
| Site ID              | 10033678  |
| Site address         | FSG 45m Lattice, Off Newdegate Rd, East Lake Grace WA |
| Co-ordinates (GDA94) | Latitude: -33.122269 Longitude: 118.533253            |

| Transmitter details |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.75500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264890      |
| Transmitter power   | 501 mW          |
| EIRP                | 11.22 kW        |
| Emission designator | 80M0D7W         |

| Antenna details      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 252.00                           |
| Antenna height (m)   | 42                               |
| Antenna type         | Parabolic Ultra High Performance |

| Receiver details    |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.24500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264891      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

| Antenna details      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 252.00                           |
| Antenna height (m)   | 42                               |
| Antenna type         | Parabolic Ultra High Performance |

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 5:

#### Site details

|                      |   |
|----------------------|---|
| Site ID              | 10033675  |
| Site address         | FSG 45m Lattice Kukerin, Off Justins Rd, South Kukerin WA |
| Co-ordinates (GDA94) | Latitude: -33.254994 Longitude: 118.067654                |

#### Transmitter details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.32500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264892      |
| Transmitter power   | 501 mW          |
| EIRP                | 11.22 kW        |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 150.23                           |
| Antenna height (m)   | 20                               |
| Antenna type         | Parabolic Ultra High Performance |

#### Receiver details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.83500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264893      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 150.23                           |
| Antenna height (m)   | 20                               |
| Antenna type         | Parabolic Ultra High Performance |

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 6:

#### Site details

|                      |   |
|----------------------|---|
| Site ID              | 10033677  |
| Site address         | FSG 45m Lattice Red Hills, Off Shields Rd, Nyabing WA |
| Co-ordinates (GDA94) | Latitude: -33.49168 Longitude: 118.23308              |

#### Transmitter details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 10.83500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264894      |
| Transmitter power   | 501 mW          |
| EIRP                | 11.22 kW        |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 330.23                           |
| Antenna height (m)   | 25                               |
| Antenna type         | Parabolic Ultra High Performance |

#### Receiver details

|                     |                 |
|---------------------|-----------------|
| Assigned frequency  | 11.32500000 GHz |
| Bandwidth           | 80.000000 MHz   |
| Freq. assign. ID    | 0004264895      |
| Transmitter power   | N/A             |
| EIRP                | N/A             |
| Emission designator | 80M0D7W         |

#### Antenna details

|                      |                                  |
|----------------------|----------------------------------|
| Antenna ID           | 93687                            |
| Antenna polarisation | V - Vertical linear              |
| Antenna azimuth      | 330.23                           |
| Antenna height (m)   | 25                               |
| Antenna type         | Parabolic Ultra High Performance |