

## DiSH Dual-band RU Technical Specifications

| RU General Specification       |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| TRX Configuration              | 4T4R                                                                                                      |
| Operating Frequency            | N70 & n66 Frequencies (Dual-Band)                                                                         |
| Instantaneous Bandwidth        | n70: DL:25MHz, UL15MHz<br>n66: DL 90MHz, UL 70MHz                                                         |
| Operation Bandwidth            | n70: DL:25MHz, UL15MHz<br>n66: DL 90MHz, UL 70MHz                                                         |
| CC BW                          | 5/10/15/20 MHz                                                                                            |
| Capacity                       | N70:2Cr(5/10/15/20 MHz) + N66:2Cr (5/10/15/20 MHz)<br>/N70 1Cr(5/10/15/20 MHz) + N66 3Cr (5/10/15/20 MHz) |
| Interface to DU                | ORAN 7.2x / 10G optical IF                                                                                |
| TX Specification               |                                                                                                           |
| Output Power per TX            | n70: 20-40W per port<br>n66: 40-60W per port<br><b>Total 80W per port</b>                                 |
| ACLR                           | Compliant with 3GPP TS 38.104                                                                             |
| Transmitter Spurious Emissions | Compliant with 3GPP TS 38.104                                                                             |
| EVM                            | Compliant with 3GPP TS 38.104                                                                             |
| RX Specification               |                                                                                                           |
| Noise Figure                   | 2.5dB (normal condition 2.2dB)                                                                            |
| Blocking Features              | Compliant with 3GPP TS 38.104                                                                             |
| Receiver spurious emissions    | Compliant with 3GPP TS 38.104                                                                             |
| Mechanical Specification       |                                                                                                           |
| Volume                         | 30 L                                                                                                      |
| Dimension                      | W:400mm, H: 380mm, D: 200mm                                                                               |
| Antenna Connector Type         | 4.3-10 RF connector                                                                                       |
| External alarm port            | 1                                                                                                         |
| Antenna Control Interface      | AISG                                                                                                      |
| Power Supply                   | DC -58~-36V                                                                                               |
| Power Consumption              | Max: 1200W                                                                                                |
| Weight                         | 29 kg                                                                                                     |
| Environmental                  |                                                                                                           |
| Humidity (Absolute humidity)   | 0.03 g/m3 ~ 30 g/m3                                                                                       |
| Operating Temperature          | -40°C ~ +55°C                                                                                             |
| IP Rating                      | IP65                                                                                                      |
| Cooling                        | Passive                                                                                                   |
| Mounting Options               |                                                                                                           |
| Pole                           | TBD                                                                                                       |
| Wall                           | TBD                                                                                                       |