

## Technical description

| Description                      | Function                                                 | Component             |
|----------------------------------|----------------------------------------------------------|-----------------------|
| Antenna                          | Transmit modulated RF signal                             | ANT                   |
| Filter                           | Suppression of spurious emissions                        | L3, L4, C10, C12, C13 |
| RF generator                     | Generate signal to modulator                             | Q1&Q2                 |
| Oscillator                       | Generate 27.145 MHz carrier                              | X1, Q3                |
| RF power amplifier and modulator | Modulate the carrier and amplify the modulated RF signal | Q4                    |

Antenna Type: Integral antenna

Antenna Gain: 0dBi

The nominal conducted output power specified: -44.00dBm (+/- 3dB)

The nominal radiated output power (e.r.p) specified: -46.15dBm (+/- 3dB)

Modulation Type: Pulse modulation