

## Technical description

Description	Function	Component
Antenna	Transmit modulated RF signal	ANT
Filter	Suppression of spurious emissions	L3, C3, C6, C7
RF IC	Generate code signal to modulator	U1
Oscillator	Generate 27.145 MHz carrier	Y1, Q1
RF power amplifier and modulator	Modulate the carrier and amplify the modulated RF signal	Q2

The EUT have two antenna types, all the electrical aspect are same.

Antenna1: Integral antenna with plastic enclosure, Gain: 0dBi

Antenna2: telescope antenna with unique antenna connector, Gain: 0dBi

Modulation Type: Pulse modulation

The nominal conducted output power specified: -33.0dBm (+/- 3dB)

The nominal radiated output power (e.r.p) specified: -35.15dBm (+/- 3dB)