

General

Frequency Range	
-Transmitter	: 1850 to 1910 MHz
-Receiver	: 1930 to 1990 MHz
Channel Bandwidth	: 1.23 MHz
Channel Spacing	: 50 KHz
Number of Channels	: 1200
Duplex Separation	: 80 MHz
Type of Emission	: G7W
Input/Output Impedance	: 50 ohms
Intermediate Frequency	
-Transmitter	: 130.38 MHz
-Receiver	: 210.38 MHz
Local Frequency	
-Transmitter	: 1st(F_{TX} -130.38), 2nd(260.76MHz)
-Receiver	: 1st(F_{RX} -210.38), 2nd(420.76MHz)
TCXO Frequency	: 19.68 MHz
Frequency Stability	: f_{RX} - 80MHz (deviation 150Hz)
Operating Temperature	: -30 to +60 degrees centigrade
Supply Voltage	: +3.6V
Current Consumption	
-Standby	: 150mA (Non-slot mode)
-Talk	: 390mA (at +10dBm)
Size and Weight	
- including Standard Battery	: 85.5(H)*46.5(W)*11(D), 51g
- including Extended Battery	: 85.5(H)*46.5(W)*14(D), 77g

Transmitter

Waveform Quality	: 0.944 or more
Open Loop Power Control Range	
-. -25 dBm	: -60.5dBm to -41.5dBm
-. -65 dBm	: -20.5dBm to +1.5dBm
-. -104 dBm	: +15.0dBm to +30.0dBm
Minimum Tx Power Control	: -50dBm below
Closed Loop Power Control Range	: deviation 24dB around the open loop estimate
Maximum RF Output Power	: 200mW(+23dBm)
Occupied Bandwidth	: 1.23MHz
Conducted Spurious Emissions @1.25MHz	: -42 dBc/30KHz

Receiver

Rx Sensitivity and Dynamic Range	: -104dBm, FER=0.5% or less
	: -25 dBm, FER=0.5% or less
Conducted Spurious Emission	
- 1930 to 1990 MHz	: <-81dBm
- 1850 to 1910 MHz	: <-61dBm
- All Other Frequencies	: <-47dBm
Single Tone Desensitization	: lower than 1%
Rx power=-101dBm	
Tone power=-30dBm	
Tone offset from carrier= upper 1.25MHz and lower 1.25MHz	
Intermodulation Spurious Response Attenuation	: lower than 1%
Rx power=-101dBm	
Tone power 1=-43dBm	
Tone power 2=-43dBm	
Tone 1 offset from carrier= upper 1.25MHz and lower 1.25MHz	
Tone 2 offset from carrier= upper 2.05MHz and lower 2.05MHz	