

1. SPECIFICATION

1. GENERAL

Frequency Range Transmitter Receiver	824.64 ~ 848.37 MHz 869.64 ~ 893.37 MHz
Channel Spacing	1.23 MHz
Number of Channels	20 FA
Duplex Spacing	45 MHz
Frequency Stability	$\pm 300\text{Hz}$
Operating Temperature	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ (-4 ~ +122 $^{\circ}\text{F}$)
Operating Voltage HHP	3.6V DC ($\pm 10\%$)
Size and Weight Including standard battery	108 x 46 x 25mm 152g
Operating Time Standby Time (Slot mode 2) Talk Time	50 ~ 70 hours (with standard battery) 60 ~ 95 hours (with medium battery) about 150 min (with standard battery) about 240 min (with extended-life battery)

Waveform Quality	above 0.944
Time Reference	within $\pm 1\mu\text{s}$
Rx Sensitivity and Dynamic Range	-104dBm , FER=within 0.5% -104dBm ~ -25dBm, FER=within 0.5%
Tx Output Power	Maximum 450mW (26.5dBm)
Tx Frequency Deviation	within $\pm 300\text{Hz}$
Occupied Band Width	within 1.32MHz
Tx Conducted Spurious Emission	900KHz : below -42dBc / 30KHz (1'st) 1.98MHz: below -54dBc / 30KHz (2'nd)
Minimum Tx Power Control	below -50dBm
Open Loop Power Control	-25dBm : -57.0dBm ~ -38.5dBm -65dBm : -17.5dBm ~ + 1.5dBm -104dBm : +18.0dBm ~ +30.0dBm
Standby Output Power	below -61dBm
Closed Loop Tx Power Control Range	Test1 : within $\pm 24\text{dB}$ Test2 : within $\pm 24\text{dB}$ Test3 : within $\pm 24\text{dB}$ Test4 : within $\pm 24\text{dB}$ Test5 : within $\pm 24\text{dB}$

2. FREQUENCY RANGE

Transmitter Frequency		
FA NO.	CH NO.	Center Frequency
1	1011	824.64MHz
2	29	825.87MHz
3	70	827.10MHz
4	111	828.33MHz
5	152	829.56MHz
6	193	830.79MHz
7	234	832.02MHz
8	275	833.25MHz
9	316	834.48MHz
10	363	835.89MHz
11	404	837.12MHz
12	445	838.35MHz
13	486	839.58MHz
14	527	840.81MHz
15	568	842.04MHz
16	609	843.27MHz
17	650	844.27MHz
18	697	845.91MHz
19	738	847.14MHz
20	779	848.37MHz

Receiver Frequency		
FA NO.	CH NO.	Center Frequency
1	1011	869.64MHz
2	29	870.87MHz
3	70	872.10MHz
4	111	873.33MHz
5	152	874.56MHz
6	193	875.79MHz
7	234	877.02MHz
8	275	878.25MHz
9	316	879.58MHz
10	363	880.89MHz
11	404	882.12MHz
12	445	883.35MHz
13	486	884.58MHz
14	527	885.81MHz
15	568	887.04MHz
16	609	888.27MHz
17	650	889.27MHz
18	697	890.91MHz
19	738	892.14MHz
20	779	893.37MHz