HC-12 channels usable within New Zealand while remaining in compliance with
"Radiocommunications Regulations (General User Radio Licence for Short Range Devices) Notice 2022"
see: https://gazette.govt.nz/notice/id/2022-go3100

HC-12 Channel	Center Frequency	Gazette Band Limits	Maximum Local Serial Baud	Maximum Legal Air Baud*	NZ Designation & Constraints
1, 2, 3, 4	433.40 MHz (1) 434.60 MHz (4)	433.0500 – 434.7900 MHz	115,200 bps	**236,000 bps**	General Telemetry, power restricted to **25mW** (AT+P6)
28	444.20 MHz	444.0000 – 444.9250 MHz	~~38,400 bps~~ 115,200 bps	~~58,000 bps~~ **236,000 bps**	**Biomedical Only,** power restricted to **25mW** (AT+P6)
29	444.60 MHz	444.0000 – 444.9250 MHz	~~9,600 bps~~ 115,200 bps	~~15,000 bps~~ **236,000 bps**	**Biomedical Only,** power restricted to **25mW** (AT+P6)
64	458.60 MHz	458.5400 – 458.6100 MHz	2,400 bps	**5,000 bps**	General Telemetry, allowed **100mW** (AT+P8) power
93	470.20 MHz	470.0000 – 470.5000 MHz	~~9,600 bps~~ 115,200 bps	~~15,000 bps~~ **236,000 bps**	**Biomedical Only,** allowed **100mW** (AT+P8) power
96	471.40 MHz	471.0000 – 471.5000 MHz	38,400 bps	**58,000 bps**	General Telemetry, allowed **100mW** (AT+P8) power

* **Air Baud** depends upon the selected **Local Serial Baud**, following the below table from the HC-12 manual:

UART baud rate:	1200 bps	2400 bps	4800 bps	9600 bps	19200 bps	38400 bps	57600 bps	115200 bps
air baud rate:	5000 bps		15000 bps		58000 bps		236000 bps	

bandwidth[1]:	15 kHz (+/- 7.5 kHz)	35 kHz (+/- 17.5 kHz)	116 kHz (+/- 58 kHz)	350 kHz (+/- 175 kHz)
bandwidth[2]:	22 kHz (+/- 11.0 kHz)	45 kHz (+/- 22.5 kHz)	130 kHz (+/- 65 kHz)	360 kHz (+/- 180kHz)

[1, 2] optimistic (1) vs conservative (2) estimates, most relevant to channel 64 (sitting 10kHz from top-of-block)

updated: 8-nov-2026