



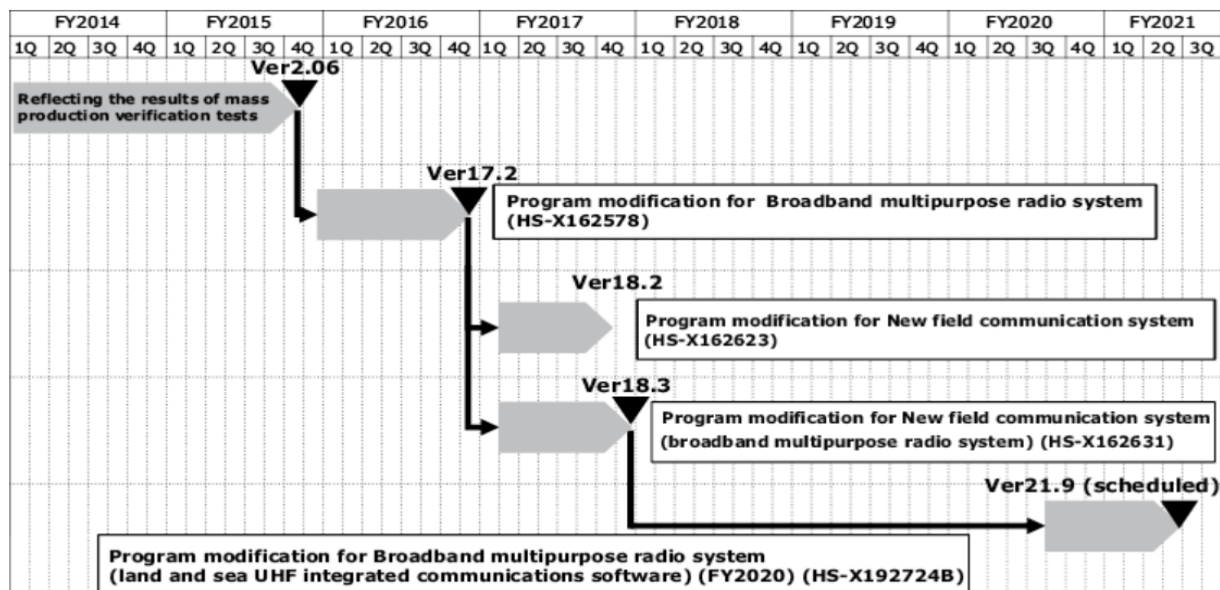
LCD Display, SMS, Model HL-2100 hand held Radio ,One-click Privacy Decode (Analog Mode)

Main Features:

- VHF136-174MHz and UHF400-470MHz band radio / NOAA and Marine
- Startup Password
- Definable Device Name (send the name at the end of calling)
- Customized Startup Logo / Greetings
- Voice Prompt
- 1024+2*VFO Channel, 250 Zones Supported
- Talk Around and Reverse Frequency
- High / Low Power Switching
- TOT / VOX / Scanning/Monitor
- Editable Channel Name
- Timed Lock & Auto-lock
- DTMF Setting (Analog Mode)
- Definable keys
- Dual Standby
- One-click Privacy Decode (Analog Mode)
- Local / Remote Alarm

DMR Functions:

- 2000 Digital Contact List
- 256 Receiving Group List
- 256 Groups Encryption(ARC / AES128 / 256)
- SMS
- Stun / Kill / Activation
- Remote Monitor
- 137×60×36 about 255g




Specifications:

Frequency Range	TX: Analog Frequency: 136-174MHz 400-470MHz Digital Frequency: 136-174MHz 400-470MHz
Working voltage	7.4V DC±15 %
Working temperature	-20°C ~ +60°C
Output power	1.5 W explosion-proof 5W Non
Channel storage	1024 Channels +2*VFO channels
Frequency Stability	±2.5ppm
Antenna Impedence	50 Ω
Channel spacing	Analog:25kHz/12.5kHz Digital:12.5K
Modulation Type	Analog: F3E Digital: 4FSK
Maximum Frequency Deviation	≤ 5KHz(W), ≤2.5KHz(N)
SNR (W/N)	-45dB/ -40dB
TX Current	≤1500mA
RF Modulation Sensitivity	
Modulation distortion	<5%
Receiving Sensitivity	0.22μV/ 0.25μV 12dB SINAD
Audio Power	1 W
Audio distortion	<5%
Inter modulation (W/N)	65dB/ 60dB
RX Current	≤350mA
Standby current	≤70mA
Battery Capacity	2000mAh Explosion-proof



Equipping Broadband Multipurpose Radio System

Japan's Ministry of Defense invited the public to apply for the prototype project of the broadband multipurpose radio system. As a result, NEC, after already passing the SCA compliance test in the Japan-U.S. joint research project, was awarded the contract for this prototype project.

We delivered the first prototype in 2009, the second prototype in 2010, and the third prototype in 2011, and after technical and practical tests were conducted by Japan's Ministry of Defense, we were able to start mass production in 2013

There are three types of broadband multipurpose radio systems in the series: one that can be mounted on motor vehicles, one that can be mounted on aircraft, and two different models of a portable one: a manpack (Type I) carried on one's back and a handheld one (Type II) (Fig. 4).

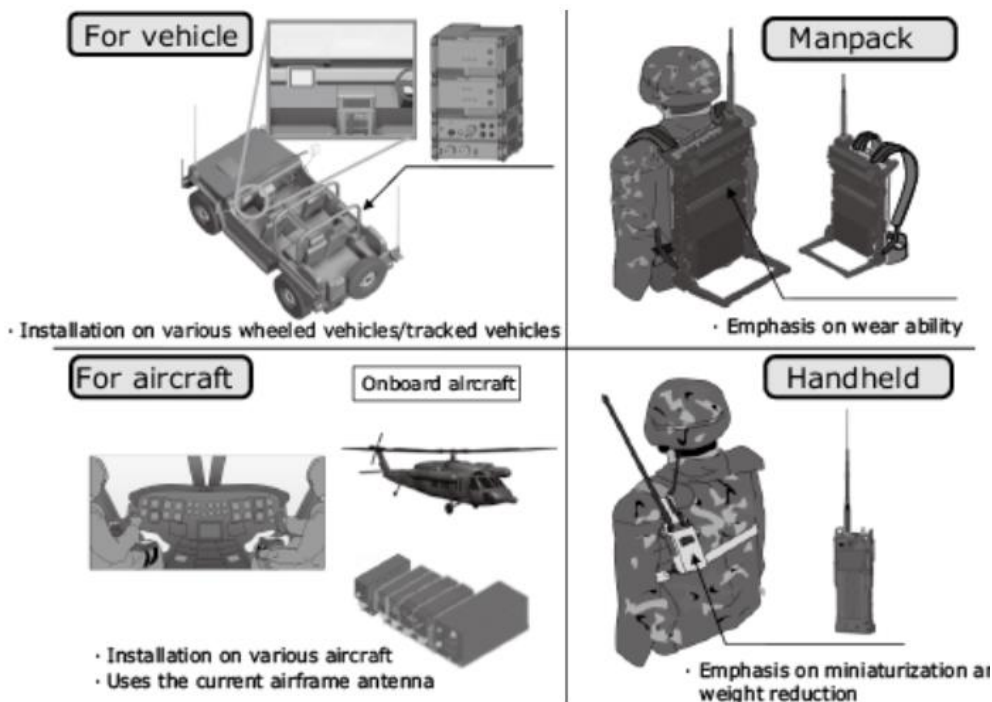


Fig. 4 Types of broadband multipurpose radio systems.



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