Update JBS 7-Series firmware to 9S1N3706 for the following changes:

a. Increase DTMF encode from 7-digits to 9-digits
b. Add provisions for model JBS-447D-CANADA-GMRS

JBS 7-Series Base Radio firmware revision history:

1. **9S1N3701** released: 11/08/2017
   a. Release firmware 9s1N3701

2. **9S1N3702** released: 01/04/2018
   a. Improve scan operation with increased channel dwell time during scan and accepts any valid SQ open within the dwell time.
   b. UHF WB SQ is improved by changing RDA register 8F programming from 3F84 to 3F85. This increases ADC gain at low RF levels.

3. **9S1N3703** released: 01/26/2018
   a. UHF NB RX sensitivity is improved by changing RDA register 32 programming from 7396 to 7415. This increases RX AGC Target Power and decreases AGC Loop Gain for UHF NB. This addresses isolated instances where UHF NB receiver would be erratically desensed by >20dB at low RF levels.
   b. Fix problem with UHF RDA register 34 where it is being initialized to 2986 and in a UHF radio is changed to 2988 for a narrowband channel but not changed back to 2986 when switched back to a wideband channel. RDA register 34 (4:0) sets AGC index change threshold (unit is 1dB), 6dB for UHF WB, 6dB for VHF WB & NB, 8dB for UHF NB.

4. **9S1N3704** released: 04/04/2018
   a. Add R-Series DoorCom functionality
   b. Add R-Series DoorCom specific field programming options
   c. Add “Sidetone Volume tracks volume control” option
   d. Correct “Beep Volume tracks volume control” levels
   e. Correct field programming error where code C0 “Remove Inband Encode” was setting DQC invert.

5. **9S1N3705** released: 04/23/2018
   a. Update programming of RDA register 5B for each CTCSS tone.
      RDA register 5B sets the allowable frequency error for initial decoding, and the allowable frequency error once tone is decoded. DQC now uses value 0309 in RDA register 5B (previously DQC value was 0403).
   b. Add programming of RDA register 5C for each CTCSS tone (previously set to 051D on all tones).
      RDA register 5C sets the CTCSS phase threshold, error in and out threshold. DQC uses value 051D in RDA register 5C (same as it was).
   c. Radio must successfully decode tone for 40mS before it is considered valid. This is to prevent false decode.
   d. For tone frequencies 110.0Hz and below: Once successful decode is detected the radio must see 40mS of continuous no-decode before it is considered invalid.
      For tone frequencies 110.0Hz and above: Once successful decode is detected the radio must see 250mS of continuous no-decode before it is considered invalid.
      This is to prevent erratic decode and talkoff. As a result of this change the radio will not respond to tone reversal squelch tail elimination when using tones 110.9Hz and above. The user will experience a brief squelch tail when using tones 110.9Hz and above.
   e. CTCSS tone 107.2Hz now uses the 110Hz LPF cutoff frequency instead of the 250Hz

6. **9S1N3706** released: 03/19/2018
   a. Increase DTMF encode from 7-digits to 9-digits maximum
   b. Add provisions for model JBS-447D-CANADA-GMRS