

| Page Name | Group Name | Register Name | Page | address | Bit Used | type | type | default (Hex) | default (Dec) | Description |
|------------|------------|----------------|------|----------|----------|------|------------|---------------|---------------|---|
| Demod(R/W) | AAGC | en_rf_agc | 1 | 04 | [6] | R/W | raw_data | 1 | 1 | enable RF AGC loop. 0 (disable), 1(enable) |
| Demod(R/W) | AAGC | en_if_agc | 1 | 04 | [7] | R/W | raw_data | 1 | 1 | enable IF AGC loop. 0(disable), 1 (enable) |
| Demod(R/W) | DDC | spec_inv | 1 | 15 | [0] | R/W | raw_data | 0 | 0 | 1(inverse), 0(normal) |
| Demod(R/W) | DDC | en_aci | 1 | 15 | [1] | R/W | raw_data | 1 | 1 | 1(enable) , 0(disable) |
| Demod(R/W) | DDC | en_cfreq_sync | 1 | 15 | [2] | R/W | raw_data | 1 | 1 | 1(enable) , 0(disable) |
| Demod(R/W) | DDC | pset_cfreq_off | 1 | {16:18}" | [21:0] | R/W | s(22,22f) | 3FCECC | 4181708 | Pre-set value of carrier frequency offset. |
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| Demod(R/W) | DDC | pset_iffreq | 1 | {19:1B}" | [21:0] | R/W | s(22,22f) | 35D75D | 3528541 | Pre-set IF frequency. (3127523, 36.125M) (0, 0M) |
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| Demod(R/W) | DDC | h_lpf_0 | 1 | 1C | [7:0] | R/W | s(8, 12f) | 09 | 9 | LPF coefficients. (28.8M, 8M BW) |
| Demod(R/W) | DDC | h_lpf_1 | 1 | 1D | [7:0] | R/W | s(8, 12f) | F6 | 246 | |
| Demod(R/W) | DDC | h_lpf_2 | 1 | 1E | [7:0] | R/W | s(8, 12f) | D2 | 210 | |
| Demod(R/W) | DDC | h_lpf_3 | 1 | 1F | [7:0] | R/W | s(8, 12f) | A7 | 167 | |
| Demod(R/W) | DDC | h_lpf_4 | 1 | 20 | [7:0] | R/W | s(8, 12f) | 9A | 154 | |
| Demod(R/W) | DDC | h_lpf_5 | 1 | 21 | [7:0] | R/W | s(8, 12f) | C9 | 201 | |
| Demod(R/W) | DDC | h_lpf_6 | 1 | 22 | [7:0] | R/W | s(8, 12f) | 27 | 39 | |
| Demod(R/W) | DDC | h_lpf_7 | 1 | 23 | [7:0] | R/W | s(8, 12f) | 77 | 119 | |
| Demod(R/W) | DDC | h_lpf_8 | 1 | {24,25}" | [15:4] | R/W | s(12,12f) | 6B | 107 | |
| | | | | | | | | | | |
| Demod(R/W) | DDC | h_lpf_9 | 1 | {25,26}" | [11:0] | R/W | s(12,12f) | FEC | 4076 | |
| Demod(R/W) | DDC | h_lpf_10 | 1 | {27,28}" | [15:4] | R/W | s(12,12f) | F44 | 3908 | |
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| Demod(R/W) | DDC | h_lpf_11 | 1 | {28,29}" | [11:0] | R/W | s(12,12f) | F0B | 3851 | |
| Demod(R/W) | DDC | h_lpf_12 | 1 | 2A,2B}" | [15:4] | R/W | s(12,12f) | FC0 | 4032 | |
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| Demod(R/W) | DDC | h_lpf_13 | 1 | 2B,2C}" | [11:0] | R/W | s(12,12f) | 163 | 355 | |
| Demod(R/W) | DDC | h_lpf_14 | 1 | 2D,2E}" | [15:4] | R/W | s(12,12f) | 355 | 853 | |
| | | | | | | | | | | |
| Demod(R/W) | DDC | h_lpf_15 | 1 | {2E,2F}" | [11:0] | R/W | s(12,12f) | 4A7 | 1191 | |
| Demod(R/W) | Resampler | en_sfreq_sync | 1 | 3E | [6] | R/W | raw_data | 1 | 1 | enable sampling frequency offset. 0(use pre-set value), 1(enable) |
| Demod(R/W) | Resampler | pset_sfreq_off | 1 | {3E,3F}" | [13:0] | R/W | s(14,24f) | 0 | 0 | pre-set value of sampling frequency offset, (ppm) |
| Demod(R/W) | Resampler | rsamp_ratio | 1 | {9F:A2}" | [27:2] | R/W | u(26, 22f) | C99999 | 13212057 | resampler ratio, (58982400, {9F:A2}={0x03, 84,00,00},DAB) |