AWA RT85 (Original)

2716 version

Programming Notes

These are notes collected from various sources such as VK3TAE and VK4TCS,

Includes HEX printouts of various eprom configurations both 2716 eprom and also the modified 2732 eprom version using the A11 line via a switch to provide two banks of 80 channels.

By VK2KFJ.

Scan 1-18,35 6scn10ch.bin 5kHz channels 00,40

60ch/19scan

File: RT853.bin 6m 6l channels Printed 9/08/2004 09:44

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Offset hex.  00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
000000000:   01 40 E7 01 02 40 EA 82 03 40 EA 87 04 00 EB 0A .@ç..@ê‚.@ê‡..ë.
000000010:   05 00 EB 0F 06 40 EA 1D 07 00 EA 8C 08 00 EA 0E ..ë..@ê...êŒ..ê.
000000020:   09 40 EB 83 10 00 EA 04 11 FF FF FF 12 FF FF FF .@ëƒ..ê..ÿÿÿ.ÿÿÿ
000000030:   13 FF FF FF 14 FF FF FF 15 FF FF FF 16 FF FF FF .ÿÿÿ.ÿÿÿ.ÿÿÿ.ÿÿÿ
000000040:   17 00 EA 9B 18 00 EB 00 38 00 EB 05 FF 00 EB 0A ..ê›..ë.8.ë.ÿ.ë.
000000050:   FF 00 EB 0F FF 00 EB 14 FF 40 EB 19 FF 00 EB 1E ÿ.ë.ÿ.ë.ÿ@ë.ÿ.ë.
000000060:   FF 40 EB 83 FF 00 E7 06 FF FF FF FF FF FF FF FF ÿ@ëƒÿ.ç.ÿÿÿÿÿÿÿÿ
000000070:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
000000080:   FF 40 E7 0B FF 40 E7 10 FF 40 E7 15 FF 40 E7 1A ÿ@ç.ÿ@ç.ÿ@ç.ÿ@ç.
000000090:   FF 40 E7 1F FF 00 E7 84 FF 40 E7 89 FF 00 E7 8E ÿ@ç.ÿ.ç„ÿ@ç‰ÿ.çŽ
0000000A0:   FF 00 E7 93 FF 40 E7 98 FF FF FF FF FF FF FF FF ÿ.ç"ÿ@ç˜ÿÿÿÿÿÿÿÿ
0000000B0:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
0000000C0:   FF 40 E7 9D FF 40 E8 02 FF 40 E8 07 FF 00 E8 0C ÿ@ç.ÿ@è.ÿ@è.ÿ.è.
0000000D0:   FF 00 E8 11 FF 40 E8 16 FF 00 E8 1B FF 40 E6 9C ÿ.è.ÿ@è.ÿ.è.ÿ@æœ
0000000E0:   FF 40 E7 01 FF 40 E8 80 FF FF FF FF FF FF FF FF ÿ@ç.ÿ@è€ÿÿÿÿÿÿÿÿ
0000000F0:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
000000100:   FF 40 E8 85 FF 40 E8 8A FF 40 E8 8F FF 40 E8 94 ÿ@è…ÿ@èŠÿ@è.ÿ@è"
000000110:   FF 00 E8 99 FF 40 E8 9E FF 40 E9 03 FF 00 E9 08 ÿ.è™ÿ@èžÿ@é.ÿ.é.
000000120:   FF 00 E9 0D FF 40 E9 12 FF FF FF FF FF FF FF FF ÿ.é.ÿ@é.ÿÿÿÿÿÿÿÿ
000000130:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
000000140:   FF 40 E9 17 FF 00 E9 1C FF 40 E9 81 FF 00 E9 86 ÿ@é.ÿ.é.ÿ@é.ÿ.é†
000000150:   FF 40 E9 8B FF 40 E9 90 FF 40 E9 95 FF 40 E9 9A ÿ@é‹ÿ@é.ÿ@é•ÿ@éš
000000160:   FF 40 E9 9F FF 00 EA 04 FF FF FF FF FF FF FF FF ÿ@éŸÿ.ê.ÿÿÿÿÿÿÿÿ
000000170:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
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000000210:   FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
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000000400:   00 00 E4 09 FF 00 E4 82 FF 00 E4 87 FF 40 E5 0A ..ä.ÿ.ä‚ÿ.ä‡ÿ@å.
000000410:   41 40 E5 0F FF 00 E4 1D FF 40 E4 8C FF 40 E4 0E A@å.ÿ.ä.ÿ@äŒÿ@ä.
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Tx

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60 chan

BAND SELECT 41 = 80 MHz

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Offset hex. 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
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000000450:  FF 40 E5 0F FF 40 E5 14 FF 00 E5 19 FF 40 E5 1E  ÿ@å.ÿ@å.ÿ.å.ÿ@å.
000000460:  FF 00 E5 83 FF 40 E7 16 FF FF FF FF FF FF FF FF  ÿ.åƒÿ@ç.ÿÿÿÿÿÿÿÿ
000000470:  FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF  ÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿÿ
000000480:  FF 00 E7 1B FF 40 E7 80 FF 40 E7 85 FF 40 E7 8A  ÿ.ç.ÿ@çÇÿ@ç…ÿ@çŠ
000000490:  FF 40 E7 8F FF 40 E7 94 FF 00 E7 99 FF 40 E7 9E  ÿ@çÏÿ@ç"ÿ.çmÿ@çž
0000004A0:  FF 00 E8 03 FF 40 E8 08 FF FF FF FF FF FF FF FF  ÿ.è.ÿ@è.ÿÿÿÿÿÿÿÿ
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79MHz test eprom (2716)


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2	78·200
3	78·300
4	78·400
5	78·500
6	78·600
7	78·700
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19	79·900
20	80·000

Tx e Rx

2nd Harmonic

72·0 = 144·0
72·5 = 145·0
73·0 = 146·0
73·5 = 147·0
74·0 = 148·0

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Scanning ch 14 & 12 — 12.5 kHz spaced — 01,41 — ex- NSW RTA eprom

20ch/2scan — 20 channels ≈ 160 MHz

File: RT851.bin — Printed 9/08/2004 09:42

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File: RT852.bin

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