

References and Links to RDA5807 FM Radio Chip

Version: 31012022

Theory, Patents etc

Multiphase Mixer

<http://www.pa3fwm.nl/technotes/tn17c.html>

Integrated low-IF terrestrial audio broadcast receiver and associated method

<https://patents.google.com/patent/US8532601B2/en>

<https://patents.google.com/patent/US7272375B2/en>

Dynamic selection of local oscillator signal injection for image rejection in integrated receivers

<https://patents.google.com/patent/US7272374B2/en>

Ratiometric clock systems for integrated receivers and associated methods

<https://patents.google.com/patent/US7272373B2/en>

System and method for decoding RDS/RBDS data

<https://patents.google.com/patent/US8213546B2/en>

Data Sheets

RDA5807M Data sheet: SINGLE-CHIP BROADCAST FM RADIO TUNER Rev.1.8–Aug.2014

https://datasheet.lcsc.com/szlcsc/1903041501_RDA-Microelectronics-RDA5807M_C82537.pdf

https://datasheet.lcsc.com/szlcsc/RDA-Microelectronics-RDA5807MS_C167246.pdf

https://cxem.net/tuner/files/tuner84_RDA5807M_datasheet_v1.pdf

<https://opendevices.ru/wp-content/uploads/2015/10/RDA5807FP.pdf>

http://aitendo3.sakura.ne.jp/aitendo_data/product_img/audio/fm-module/RDA5807HS%20datasheet_v1.2.pdf

https://pichobby.lg.ua/downloads/cxemu/sound/24_02_17/RDA5807.pdf

https://www.electrodragon.com/w/images/5/5f/RDA5807M_datasheet_v1.pdf

<http://599.cz/storage/RDA5807M.pdf>

http://www.i-biznes.com/datasheets/RDA/RAD5807P_ProgManual_1.0.pdf

<https://drive.google.com/file/d/1XeAi9vhvDasjLHQV-AXKCNmdTF7kFkHd/view>

<http://www.tme.vn/upload/pdf/RDA5807P.pdf>

[http://www.thebackshed.com/forum/uploads/jman/2012-03-](http://www.thebackshed.com/forum/uploads/jman/2012-03-01_165913_RDA5807SS_datasheet_v1.0.pdf)

[01_165913_RDA5807SS_datasheet_v1.0.pdf](http://www.thebackshed.com/forum/uploads/jman/2012-03-01_165913_RDA5807SS_datasheet_v1.0.pdf)

<https://de.scribd.com/document/488955294/RDA5807M>

<https://www.silabs.com/audio-and-radio/fm-radios/si4702-03-radio-receivers/device.si4703>

http://www.datasheet.hk/view_download.php?id=2014204&file=0508\rda5807m_7729222.pdf

<https://datasheetpdf.com/pdf-file/914856/NXP/TEA5767HN/1>

Github Codes

<https://github.com/search?q=RDA5807M>

<https://github.com/mathertel/Radio>

<https://github.com/mathertel/Radio/archive/master.zip>
<https://github.com/pu2clr/RDA5807>
https://github.com/xtremespb/fm_receiver
<https://github.com/pu2clr/RDA5807>
<https://github.com/TigerBouli/RDA5807m-Module->
<https://pu2clr.github.io/RDA5807/>
<https://github.com/achilikin/RdSpi>

Miscellaneous Information

<http://tneveling.bplaced.net/radiobasteln.html>
<http://tneveling.bplaced.net/media/files/ATtiny44-RDA5807-Radio-Firmware-01.zip>
<https://www.drive2.ru/b/489338475649172109/>
<http://hjberrndt.de/soft/rdsradioclock.html>
<https://blog.csdn.net/zhuoqingjoking97298/article/details/104122851>
<http://www.mathertel.de/Arduino/RadioLibrary.aspx>
<http://www.mathertel.de/Arduino/RadioLibrary3.aspx>
<https://www.raspberrypi.org/forums/viewtopic.php?t=53680&p=490382>
<https://briankhuu.com/blog/self/2015/01/02/reverse-engineering-rrd-102-v2.0-fm-radio-module-with-rds-decoding-capability.html>
<http://599.cz/view.php?cisloclanku=2019091701>
<http://www.elektronik-labor.de/Labortagebuch/Tagebuch1219.html#rda>
<https://www.mikrocontroller.net/topic/313562>
<https://www.201tube.tv/rev/rda5807>
https://www.researchgate.net/publication/220535505_Indoor_Positioning_Using_FM_Radio
<https://www.elektronik-labor.de/ElektorDSP/ElektorDSP7.html>
https://tomeko.net/projects/RDA5807M_radio/index.php?lang=en
https://www.researchgate.net/publication/339090699_MANAGEMENT_OF_THE_RDA5807M_DIGITAL_TUNER_WITH_ATMEL_MICROCONTROLLER

Special information about RDS

RDS Forum - the association of RDS users

<https://www.rds.org.uk/>

A silent revolution - RDS for FM radio

https://www.rds.org.uk/2010/pdf/RDS%20eBook%202018_9782940536191.pdf

Spezifikation of the radio data system (RDS)

https://www.micronics.de/img/2009/11/EN50067_RDS_Standard.pdf

The Radio Data System

<https://www.iz3mez.it/wp-content/library/ebook/RDS%20-%20The%20Radio%20Data%20System.pdf>

RDS in Europe, RBDS in the USA – What are the differences and how can receivers cope with both systems?

https://tech.ebu.ch/docs/techreview/trev_255-beale.pdf

Informationen zu RDS

https://www2.oth-aw.de/mandel/rds_decoder/intro.htm

Grundlegende Struktur der RDS-Daten

<https://ulegan.net/rds/rdsdetails.htm>

RDS Basics

https://www.2wcom.com/fileadmin/redaktion/dokumente/Company/RDS_Basics.pdf

Extraktion der RDS Informationen

https://www2.oth-aw.de/mandel/rds_decoder/teil06.htm

RDS Projekt

<https://www.qsl.net/dk7in/RDS.html>

Silicon Labs AN243 - Using RDS/RBDS with the Si4701/03

<https://www.skyworksinc.com/-/media/SkyWorks/SL/documents/public/application-notes/AN243.pdf>

<https://www.silabs.com/documents/public/application-notes/AN243.pdf>

RDS Link

http://www.g.laroche.free.fr/RDS_link_e.htm

RDS detailed technicals specifications

http://www.g.laroche.free.fr/english/rds/rds_detail.htm

RDS Baseband coding structure

<http://www.g.laroche.free.fr/english/rds/groupes/tramesRDS.htm>

RDS groups list

<http://www.g.laroche.free.fr/english/rds/groupes/listeGroupesRDS.htm>

RDS mit dem SI4735 und Mega88/Mega32

<https://www.b-kainka.de/SI4735Srds1.html>

RDS-Scanner

http://dl3jin.de/rds_scanner-data/rds_scanner_soft_v16.bas

RDS Project

http://www.elektron-bbs.de/elektronik/projekte/avr/schaltuhr/si4735_rds.htm

Tube/Valve Audio Amplifier

<https://frank.pocnet.net/sheets/010/p/PCL86.pdf>

<https://frank.pocnet.net/sheets/020/p/PCL86.pdf>

<https://frank.pocnet.net/sheets/030/p/PCL86.pdf>

<http://www.r-type.org/exhib/aad0302.htm>

<http://www.pauls-roehren.de/roehren/p/PCL86/PCL86.php>

[<sokoll.de/R%C3%B6hrenmuseum/Datenbank/R%C3%B6hrenTypen/PCL86.html>](https://patric-</p></div><div data-bbox=)

<http://www.r-type.org/static/contents.htm>

<http://www.r-type.org/articles/art-003a.htm>

https://www.tiffe.de/roehren/Elektronik_und_R%C3%B6hren_f%C3%BCr_Anf%C3%A4nger_3.pdf

http://www.jogis-roehrenbude.de/Leserbriefe/Frank-Kneifel-5B_110-Amp/Kapitel1.htm

<https://roehrenfibel.files.wordpress.com/2008/07/tractatus-calculo-amplifikatus-1-band.pdf>

<https://roehrenfibel.files.wordpress.com/2008/07/tractatus-calculo-amplifikatus-2-band.pdf>
<https://roehrenfibel.files.wordpress.com/2008/07/tafelwerk1.pdf>
<http://www.dl7avf.info/charts/roehren/index.html>
<https://www.vtadiy.com/loadline-calculators/loadline-calculator/#calculator>
<https://www.vtadiy.com/loadline-calculators/power-stage-calculator/>
<http://trioda.com/tools/triode.html>
<https://wtfamps.com/load-line-calculations/>
https://robobinette.com/Drawing_Tube_Load_Lines.htm
<https://bmamps.com/ivds.html>
<http://rfcec.com/RFCEC/Section-3%20-%20Fundamentals%20of%20RF%20Communication-Electronics/04%20-%20AMPLIFIERS%20-%20RF%20POWER%20AMPLIFIER%20BASICS/RFPA%20-%20Loadlines,%20Power%20Output%20and%20Distortion%20%28By%20Steve%20Bench%29.pdf>
https://www.radiomuseum.org/forum/ultra_linear_schaltung.html
<http://www.turneraudio.com.au/index.html>
<http://www.turneraudio.com.au/output-stage-SE-configurations.html>
<http://www.turneraudio.com.au/se-output-trans-calc-1.html>
<http://www.r-type.org/articles/art-115.htm>
<http://www.r-type.org/articles/art-139.htm>
<http://www.r-type.org/articles/art-140.htm>
<http://www.jogis-roehrenbude.de/Verstaerker.htm>
http://www.normankoren.com/Audio/Tubemodspice_article.html