

CC430F6137

Cmd_SETDAC	CC430 P2.7 TP6	
0	0.0020V	
1	0.150V	1.1718V
2	0.215V	1.7588V
3	0.300V	2.2418V
4	0.375V	2.9288V
5	0.450V	3.5118V
6	0.525V	4.0988V
7	0.600V	4.6817V
8	0.675V	5.2687V
9	0.750V	5.8517V
10	0.825V	6.4387V
11	0.900V	7.0217V
12	0.975V	7.6067V
13	1.050V	8.1917V
14	1.125V	8.7767V
15	1.200V	9.3617V
16	1.275V	9.9466V
17	1.350V	10.5316V
18	1.425V	11.1166V
19	1.500V	11.7016V
20	1.575V	12.2866V
21	1.650V	12.8716V
22	1.725V	13.4566V
23	1.800V	14.0416V
24	1.875V	14.6266V
25	1.950V	15.2115V
26	2.025V	15.7965V
27	2.100V	16.3815V
28	2.175V	16.9665V
29	2.250V	17.5515V
30	2.325V	18.1365V
31	2.400V	18.7215V

D401, D411- unknown SOD523/SC79 varactors with P00 marking

L412, L411, L401 - inductance approx. value only

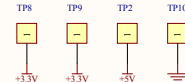
LP1, LP2, LP3 - inductance approx. value only

Q1 - 26MHz Taiwan XV series, Asen ASX-5F series, EPSON TSX-3225

SMA1 - Rosenberger/RFMW 32K243-40ML5

TP1/TP4 - is that jumper to activate something or just test pin?

TP6 - currently the PC software seems to not using the CMD_SETDAC, so TP6 voltage is 0V. Interesting that the active balun is introduced in SA430 Dyer but functionality removed or not (really) implemented in final product. The good thing is, all the hardware parts are populated. The CC430 firmware is capable of the active balun functionality, simply set the CMD_SETDAC value (0 to 31) to set rev. bias for varactors located in the active balun.



Title				Texas Instruments SA430 Rev 2.0
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