APPENDIX D. SSROM VALUE AND CURPOWER VALUE

```
=====================================
============SW Version ===============
=====================================
CM/80211_hal> wl ver

6.30 RC102.5
wl0: Nov 15 2012 14:01:49 version 6.30.102.5.558.30 WL ver 6.30.102.5.558.30 (WLTEST)



=====================================
===========2.4G Srom Value ============
=====================================
CM/NonVol/802.11 SromNonVol> show


WARNING:    This will be applied to all 2 registered instances!
Do you really want to do this? (yes|no) [no] y

Instance:    802.11 SromNonVol Settings (0x87e659dc)


+---------------------------------+
|                                 |
| WiFi 802.11 Srom NonVol Settings
+---------------------------------+
                    Magic Number = 0x38303253 '802S'
            Version (Permanent) = 0.1
               Version (Dynamic) = 0.1
        Bytes used (Permanent) = 452
           Bytes used (Dynamic) = 8
        Is Default (Permanent) = 0
           Is Default (Dynamic) = 0

Is Manufactured (Permanent) = 1
   Is Manufactured (Dynamic) = 1
```

SPROM Contains the parameters for the 4331_2G_HP Wifi Card

```
   28 01 00 00     05 74 14 e4     00 78 ed be     00 00 2b c4    | (....t...x....+.
   2a 64 29 64     2c 64 3c e7     46 ff 47 ff     0c 00 08 20    | *d)d,d<.F.G.... 
   00 30 10 02     9f 28 5d 44     80 80 1d 8f     00 32 01 00    | .0...(]D.....2..
   df 00 71 f5     84 00 00 83     85 00 20 10     00 01 ff ff    | ..q....... .....
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     10 10 00 05     ff ff ff ff     ff ff ff ff    | ................
   43 32 80 00     00 02 00 00     1f 30 18 00     00 00 00 00    | C2.......0......
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   53 72 11 52     12 00 80 00     00 00 00 10     00 10 18 a9    | Sr.R............
   05 06 00 00     00 00 ff ff     ff ff ff ff     07 07 02 02    | ................
   ff 02 00 77     ff ff ff ff     ff ff ff ff     ff ff 04 1f    | ...w............
   02 21 ff ff     ff ff ff ff     ff ff 00 01     ff ff ff ff    | .!..............
   20 58 fe 88     1c d1 f9 6c     3e 3c 3c 3c     fe 78 16 1e    |  X.....l><<<.x..
   fa 84 ff ff     ff ff ff ff     fe 84 15 94     fa a3 00 00    | ................
   20 58 fe 93     1b 3d f9 ca     3e 3c 3c 3c     fe 7a 16 91    |  X...=..><<<.z..
   fa 6b ff ff     ff ff ff ff     fe 86 15 80     fa a9 00 00    | .k..............
   20 58 fe 4d     18 f6 f9 f6     3e 3c 3c 3c     fe 7d 16 70    |  X.M....><<<.}.p
   fa 79 ff ff     ff ff ff ff     fe 80 15 d4     fa 8f 00 00    | .y..............
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   00 00 00 00     00 00 64 20     00 00 64 20     00 00 00 00    | ......d ..d ....
   00 00 00 00     00 00 00 00     00 00 00 00     00 00 00 00    | ................
   00 00 00 00     00 00 64 20     00 00 64 20     00 00 64 20    | ......d ..d ..d
   00 00 00 00     00 00 00 00     00 00 00 00     00 00 00 00    | ................
   00 00 00 00     00 00 00 00     00 00 00 00     00 00 00 00    | ................
   00 00 00 00     00 00 00 00     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     ff ff 69 09                                    | ......i.
```

Instance: 802.11 SromNonVol Settings (0x87e619b0)

```
+----------------------------------+
|                                  |
| WiFi 802.11 Srom NonVol Settings
```

```
+---------------------------------+
                    Magic Number = 0x38303254 '802T'
            Version (Permanent) = 0.1
               Version (Dynamic) = 0.1
         Bytes used (Permanent) = 452
            Bytes used (Dynamic) = 8
         Is Default (Permanent) = 0
            Is Default (Dynamic) = 0

Is Manufactured (Permanent) = 1
   Is Manufactured (Dynamic) = 1

SPROM Contains the parameters for the 4331_5G_HP Wifi Card

   28 01 00 00     05 a9 14 e4     00 78 ed be     00 00 2b c4    | (........x....+.
   2a 64 29 64     2c 64 3c e7     46 ff 47 ff     0c 00 08 20    | *d)d,d<.F.G.... 
   00 30 10 02     9f 28 5d 44     80 80 1d 8f     00 32 01 00    | .0...(]D.....2..
   df 00 71 f5     84 00 00 83     85 00 20 10     00 01 ff ff    | ..q....... .....
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     10 10 00 05     ff ff ff ff     ff ff ff ff    | ................
   43 33 80 00     00 02 00 00     1f 30 18 00     00 00 00 00    | C3.......0......
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   53 72 12 03     02 00 90 00     00 00 04 20     00 90 4c 09    | Sr......... ..L.
   31 05 00 00     00 00 ff ff     ff ff ff ff     07 07 02 02    | 1...............
   ff 02 00 77     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ...w............
   03 47 ff ff     ff ff ff ff     ff ff 00 00     ff ff ff ff    | .G..............
   ff ff ff ff     ff ff ff ff     3e 54 54 54     fe 62 17 97    | ........>TTT.b..
   fa 0e fe 7d     18 98 f9 f3     fe 6d 18 cd     f9 db 00 00    | ...}.....m......
   ff ff ff ff     ff ff ff ff     3e 54 54 54     fe 6d 19 86    | ........>TTT.m..
   f9 bb fe 3f     19 59 f9 94     fe 5b 19 cf     f9 91 00 00    | ...?.Y...[......
   ff ff ff ff     ff ff ff ff     3e 54 54 54     fe 6a 17 65    | ........>TTT.j.e
   fa 2a fe 74     15 7c f9 b5     fe 70 18 47     fa 0e 00 00    | .*.t.|...p.G....
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
   00 00 00 00     00 00 00 00     00 00 00 00     00 00 64 22    | ..............d"
   00 00 64 22     00 00 64 22     00 00 64 22     00 00 64 22    | ..d"..d"..d"..d"
   00 00 64 22     00 00 00 00     00 00 00 00     00 00 00 00    | ..d"............
   00 00 64 22     00 00 64 22     00 00 64 22     00 00 64 22    | ..d"..d"..d"..d"
```

```
00 00 64 22     00 00 64 22     00 00 64 22     00 00 64 22    | ..d"..d"..d"..d"
00 00 64 22     00 00 00 00     ff ff ff ff     ff ff ff ff    | ..d"............
ff ff ff ff     ff ff ff ff     ff ff ff ff     ff ff ff ff    | ................
ff ff ff ff     ff ff 48 09                                    | ......H.
```

```
=====================================
========== 5G Curpower Value ==========
=====================================
======================
====CH36, BW:20MHz====
======================
CM/80211_hal> wl -a wl1    curpower

Power Control:              On, HW
Current Channel:            36
BSS Channel:                (null)
BSS Local Max:              17.0 dBm
BSS Local Constraint:    0.0 dB
Channel Width:              20MHz
User Target:                31.75 dBm
SROM Antgain 2G:            0.0 dB
SROM Antgain 5G:            2.0 dB
SAR:                        -
Current rate:               [MCS8] ht mcs 16 Tx Exp 0 BW 20

Regulatory Limits:
Rate                        Chains 20MHz
DSSS                        1        -
OFDM                        1        15.50
MCS0_7                      1        15.50
VHT8_9SS1                   1        -
DSSS_MULTI1                 2        -
OFDM_CDD1                   2        12.50
MCS0_7_CDD1                 2        12.50
VHT8_9SS1_CDD1              2        12.50
```

MCS0_7_STBC	2	12.50
VHT8_9SS1_STBC	2	12.50
MCS8_15	2	12.50
VHT8_9SS2	2	12.50
DSSS_MULTI2	3	-
OFDM_CDD2	3	10.50
MCS0_7_CDD2	3	10.50
VHT8_9SS1_CDD2	3	10.50
MCS0_7_STBC_SPEXP1	3	10.50
VHT8_9SS1_STBC_SPEXP1	3	11.50
MCS8_15_SPEXP1	3	10.75
VHT8_9SS2_SPEXP1	3	11.50
MCS16_23	3	11.50
VHT8_9SS3	3	11.50

Core Index: 0

Board Limits:

Rate	Chains	20MHz
DSSS	1	-
OFDM6	1	21.0
OFDM9	1	21.0
OFDM12	1	21.0
OFDM18	1	21.0
OFDM24	1	20.0
OFDM36	1	20.0
OFDM48	1	19.0
OFDM54	1	18.0
MCS0	1	21.0
MCS1	1	21.0
MCS2	1	21.0
MCS3	1	21.0
MCS4	1	20.0
MCS5	1	20.0
MCS6	1	19.0
MCS7	1	18.0
VHT8_9SS1	1	-
DSSS_MULTI1	2	-
OFDM6_CDD1	2	21.0

OFDM9_CDD1	2	21.0
OFDM12_CDD1	2	21.0
OFDM18_CDD1	2	21.0
OFDM24_CDD1	2	20.0
OFDM36_CDD1	2	20.0
OFDM48_CDD1	2	19.0
OFDM54_CDD1	2	18.0
MCS0_CDD1	2	21.0
MCS1_CDD1	2	21.0
MCS2_CDD1	2	21.0
MCS3_CDD1	2	21.0
MCS4_CDD1	2	20.0
MCS5_CDD1	2	20.0
MCS6_CDD1	2	19.0
MCS7_CDD1	2	18.0
VHT8_9SS1_CDD1	2	-
MCS0_STBC	2	21.0
MCS1_STBC	2	21.0
MCS2_STBC	2	21.0
MCS3_STBC	2	21.0
MCS4_STBC	2	20.0
MCS5_STBC	2	20.0
MCS6_STBC	2	19.0
MCS7_STBC	2	18.0
VHT8_9SS1_STBC	2	-
MCS8	2	21.0
MCS9	2	21.0
MCS10	2	21.0
MCS11	2	21.0
MCS12	2	20.0
MCS13	2	20.0
MCS14	2	19.0
MCS15	2	18.0
VHT8_9SS2	2	-
DSSS_MULTI2	3	-
OFDM6_CDD2	3	21.0
OFDM9_CDD2	3	21.0
OFDM12_CDD2	3	21.0

OFDM18_CDD2	3	21.0
OFDM24_CDD2	3	20.0
OFDM36_CDD2	3	20.0
OFDM48_CDD2	3	19.0
OFDM54_CDD2	3	18.0
MCS0_CDD2	3	21.0
MCS1_CDD2	3	21.0
MCS2_CDD2	3	21.0
MCS3_CDD2	3	21.0
MCS4_CDD2	3	20.0
MCS5_CDD2	3	20.0
MCS6_CDD2	3	19.0
MCS7_CDD2	3	18.0
VHT8_9SS1_CDD2	3	-
MCS0_STBC_SPEXP1	3	21.0
MCS1_STBC_SPEXP1	3	21.0
MCS2_STBC_SPEXP1	3	21.0
MCS3_STBC_SPEXP1	3	21.0
MCS4_STBC_SPEXP1	3	20.0
MCS5_STBC_SPEXP1	3	20.0
MCS6_STBC_SPEXP1	3	19.0
MCS7_STBC_SPEXP1	3	18.0
VHT8_9SS1_STBC_SPEXP1	3	-
MCS8_SPEXP1	3	21.0
MCS9_SPEXP1	3	21.0
MCS10_SPEXP1	3	21.0
MCS11_SPEXP1	3	21.0
MCS12_SPEXP1	3	20.0
MCS13_SPEXP1	3	20.0
MCS14_SPEXP1	3	19.0
MCS15_SPEXP1	3	18.0
VHT8_9SS2_SPEXP1	3	-
MCS16	3	21.0
MCS17	3	21.0
MCS18	3	21.0
MCS19	3	21.0
MCS20	3	20.0
MCS21	3	20.0

MCS22	3	19.0
MCS23	3	18.0
VHT8_9SS3	3	-

Power Targets:

Rate	Chains	20MHz
DSSS	1	8.0
OFDM	1	14.0
MCS0_7	1	14.0
VHT8_9SS1	1	8.0
DSSS_MULTI1	2	8.0
OFDM_CDD1	2	11.0
MCS0_7_CDD1	2	11.0
VHT8_9SS1_CDD1	2	8.0
MCS0_7_STBC	2	11.0
VHT8_9SS1_STBC	2	8.0
MCS8_15	2	11.0
VHT8_9SS2	2	8.0
DSSS_MULTI2	3	8.0
OFDM_CDD2	3	9.0
MCS0_7_CDD2	3	9.0
VHT8_9SS1_CDD2	3	8.0
MCS0_7_STBC_SPEXP1	3	9.0
VHT8_9SS1_STBC_SPEXP1	3	8.0
MCS8_15_SPEXP1	3	9.25
VHT8_9SS2_SPEXP1	3	8.0
MCS16_23	3	10.0
VHT8_9SS3	3	8.0

Maximum Power Target among all rates:		14.0	14.0	14.0
Last est. power	:	9.25	8.75	9.50
Power Target for the current rate	:	9.50	9.50	9.50
Last adjusted est. power	:	13.75	13.25	14.0

==========

====CH40, BW:20MHz====

==========

CM/80211_hal> wl -a wl1 curpower

Power Control: On, HW
Current Channel: 40
BSS Channel: (null)
BSS Local Max: 17.0 dBm
BSS Local Constraint: 0.0 dB
Channel Width: 20MHz
User Target: 31.75 dBm
SROM Antgain 2G: 0.0 dB
SROM Antgain 5G: 2.0 dB
SAR: -
Current rate: [MCS16] ht mcs 16 Tx Exp 0 BW 20

Regulatory Limits:

Rate	Chains	20MHz
DSSS	1	-
OFDM	1	15.50
MCS0_7	1	15.50
VHT8_9SS1	1	-
DSSS_MULTI1	2	-
OFDM_CDD1	2	12.50
MCS0_7_CDD1	2	12.50
VHT8_9SS1_CDD1	2	12.50
MCS0_7_STBC	2	12.50
VHT8_9SS1_STBC	2	12.50
MCS8_15	2	12.50
VHT8_9SS2	2	12.50
DSSS_MULTI2	3	-
OFDM_CDD2	3	10.50
MCS0_7_CDD2	3	10.50
VHT8_9SS1_CDD2	3	10.50
MCS0_7_STBC_SPEXP1	3	10.50
VHT8_9SS1_STBC_SPEXP1	3	11.50
MCS8_15_SPEXP1	3	10.75
VHT8_9SS2_SPEXP1	3	11.50
MCS16_23	3	11.50
VHT8_9SS3	3	11.50

Core Index: 0

Board Limits:

Rate	Chains	20MHz
DSSS	1	-
OFDM6	1	21.0
OFDM9	1	21.0
OFDM12	1	21.0
OFDM18	1	21.0
OFDM24	1	20.0
OFDM36	1	20.0
OFDM48	1	19.0
OFDM54	1	18.0
MCS0	1	21.0
MCS1	1	21.0
MCS2	1	21.0
MCS3	1	21.0
MCS4	1	20.0
MCS5	1	20.0
MCS6	1	19.0
MCS7	1	18.0
VHT8_9SS1	1	-
DSSS_MULTI1	2	-
OFDM6_CDD1	2	21.0
OFDM9_CDD1	2	21.0
OFDM12_CDD1	2	21.0
OFDM18_CDD1	2	21.0
OFDM24_CDD1	2	20.0
OFDM36_CDD1	2	20.0
OFDM48_CDD1	2	19.0
OFDM54_CDD1	2	18.0
MCS0_CDD1	2	21.0
MCS1_CDD1	2	21.0
MCS2_CDD1	2	21.0
MCS3_CDD1	2	21.0
MCS4_CDD1	2	20.0
MCS5_CDD1	2	20.0
MCS6_CDD1	2	19.0

MCS7_CDD1	2	18.0
VHT8_9SS1_CDD1	2	-
MCS0_STBC	2	21.0
MCS1_STBC	2	21.0
MCS2_STBC	2	21.0
MCS3_STBC	2	21.0
MCS4_STBC	2	20.0
MCS5_STBC	2	20.0
MCS6_STBC	2	19.0
MCS7_STBC	2	18.0
VHT8_9SS1_STBC	2	-
MCS8	2	21.0
MCS9	2	21.0
MCS10	2	21.0
MCS11	2	21.0
MCS12	2	20.0
MCS13	2	20.0
MCS14	2	19.0
MCS15	2	18.0
VHT8_9SS2	2	-
DSSS_MULTI2	3	-
OFDM6_CDD2	3	21.0
OFDM9_CDD2	3	21.0
OFDM12_CDD2	3	21.0
OFDM18_CDD2	3	21.0
OFDM24_CDD2	3	20.0
OFDM36_CDD2	3	20.0
OFDM48_CDD2	3	19.0
OFDM54_CDD2	3	18.0
MCS0_CDD2	3	21.0
MCS1_CDD2	3	21.0
MCS2_CDD2	3	21.0
MCS3_CDD2	3	21.0
MCS4_CDD2	3	20.0
MCS5_CDD2	3	20.0
MCS6_CDD2	3	19.0
MCS7_CDD2	3	18.0
VHT8_9SS1_CDD2	3	-

MCS0_STBC_SPEXP1	3	21.0
MCS1_STBC_SPEXP1	3	21.0
MCS2_STBC_SPEXP1	3	21.0
MCS3_STBC_SPEXP1	3	21.0
MCS4_STBC_SPEXP1	3	20.0
MCS5_STBC_SPEXP1	3	20.0
MCS6_STBC_SPEXP1	3	19.0
MCS7_STBC_SPEXP1	3	18.0
VHT8_9SS1_STBC_SPEXP1	3	-
MCS8_SPEXP1	3	21.0
MCS9_SPEXP1	3	21.0
MCS10_SPEXP1	3	21.0
MCS11_SPEXP1	3	21.0
MCS12_SPEXP1	3	20.0
MCS13_SPEXP1	3	20.0
MCS14_SPEXP1	3	19.0
MCS15_SPEXP1	3	18.0
VHT8_9SS2_SPEXP1	3	-
MCS16	3	21.0
MCS17	3	21.0
MCS18	3	21.0
MCS19	3	21.0
MCS20	3	20.0
MCS21	3	20.0
MCS22	3	19.0
MCS23	3	18.0
VHT8_9SS3	3	-

Power Targets:

Rate	Chains	20MHz
DSSS	1	8.0
OFDM	1	14.0
MCS0_7	1	14.0
VHT8_9SS1	1	8.0
DSSS_MULTI1	2	8.0
OFDM_CDD1	2	11.0
MCS0_7_CDD1	2	11.0
VHT8_9SS1_CDD1	2	8.0

MCS0_7_STBC 2 11.0
VHT8_9SS1_STBC 2 8.0
MCS8_15 2 11.0
VHT8_9SS2 2 8.0
DSSS_MULTI2 3 8.0
OFDM_CDD2 3 9.0
MCS0_7_CDD2 3 9.0
VHT8_9SS1_CDD2 3 8.0
MCS0_7_STBC_SPEXP1 3 9.0
VHT8_9SS1_STBC_SPEXP1 3 8.0
MCS8_15_SPEXP1 3 9.25
VHT8_9SS2_SPEXP1 3 8.0
MCS16_23 3 10.0
VHT8_9SS3 3 8.0

Maximum Power Target among all rates: 14.0 14.0 14.0
Last est. power : 10.0 9.75 9.50
Power Target for the current rate : 10.0 10.0 10.0
Last adjusted est. power : 14.0 13.75 13.50
==========
====CH48, BW:20MHz====
==========
Power Control: On, HW
Current Channel: 48
BSS Channel: (null)
BSS Local Max: 17.0 dBm
BSS Local Constraint: 0.0 dB
Channel Width: 20MHz
User Target: 31.75 dBm
SROM Antgain 2G: 0.0 dB
SROM Antgain 5G: 2.0 dB
SAR: -
Current rate: [MCS16] ht mcs 16 Tx Exp 0 BW 20

Regulatory Limits:
Rate Chains 20MHz
DSSS 1 -
OFDM 1 15.50

MCS0_7	1	15.50
VHT8_9SS1	1	-
DSSS_MULTI1	2	-
OFDM_CDD1	2	12.50
MCS0_7_CDD1	2	12.50
VHT8_9SS1_CDD1	2	12.50
MCS0_7_STBC	2	12.50
VHT8_9SS1_STBC	2	12.50
MCS8_15	2	12.50
VHT8_9SS2	2	12.50
DSSS_MULTI2	3	-
OFDM_CDD2	3	10.50
MCS0_7_CDD2	3	10.50
VHT8_9SS1_CDD2	3	10.50
MCS0_7_STBC_SPEXP1	3	10.50
VHT8_9SS1_STBC_SPEXP1	3	11.50
MCS8_15_SPEXP1	3	10.75
VHT8_9SS2_SPEXP1	3	11.50
MCS16_23	3	11.50
VHT8_9SS3	3	11.50

Core Index: 0

Board Limits:

Rate	Chains	20MHz
DSSS	1	-
OFDM6	1	21.0
OFDM9	1	21.0
OFDM12	1	21.0
OFDM18	1	21.0
OFDM24	1	20.0
OFDM36	1	20.0
OFDM48	1	19.0
OFDM54	1	18.0
MCS0	1	21.0
MCS1	1	21.0
MCS2	1	21.0
MCS3	1	21.0
MCS4	1	20.0

MCS5	1	20.0
MCS6	1	19.0
MCS7	1	18.0
VHT8_9SS1	1	-
DSSS_MULTI1	2	-
OFDM6_CDD1	2	21.0
OFDM9_CDD1	2	21.0
OFDM12_CDD1	2	21.0
OFDM18_CDD1	2	21.0
OFDM24_CDD1	2	20.0
OFDM36_CDD1	2	20.0
OFDM48_CDD1	2	19.0
OFDM54_CDD1	2	18.0
MCS0_CDD1	2	21.0
MCS1_CDD1	2	21.0
MCS2_CDD1	2	21.0
MCS3_CDD1	2	21.0
MCS4_CDD1	2	20.0
MCS5_CDD1	2	20.0
MCS6_CDD1	2	19.0
MCS7_CDD1	2	18.0
VHT8_9SS1_CDD1	2	-
MCS0_STBC	2	21.0
MCS1_STBC	2	21.0
MCS2_STBC	2	21.0
MCS3_STBC	2	21.0
MCS4_STBC	2	20.0
MCS5_STBC	2	20.0
MCS6_STBC	2	19.0
MCS7_STBC	2	18.0
VHT8_9SS1_STBC	2	-
MCS8	2	21.0
MCS9	2	21.0
MCS10	2	21.0
MCS11	2	21.0
MCS12	2	20.0
MCS13	2	20.0
MCS14	2	19.0

MCS15	2	18.0
VHT8_9SS2	2	-
DSSS_MULTI2	3	-
OFDM6_CDD2	3	21.0
OFDM9_CDD2	3	21.0
OFDM12_CDD2	3	21.0
OFDM18_CDD2	3	21.0
OFDM24_CDD2	3	20.0
OFDM36_CDD2	3	20.0
OFDM48_CDD2	3	19.0
OFDM54_CDD2	3	18.0
MCS0_CDD2	3	21.0
MCS1_CDD2	3	21.0
MCS2_CDD2	3	21.0
MCS3_CDD2	3	21.0
MCS4_CDD2	3	20.0
MCS5_CDD2	3	20.0
MCS6_CDD2	3	19.0
MCS7_CDD2	3	18.0
VHT8_9SS1_CDD2	3	-
MCS0_STBC_SPEXP1	3	21.0
MCS1_STBC_SPEXP1	3	21.0
MCS2_STBC_SPEXP1	3	21.0
MCS3_STBC_SPEXP1	3	21.0
MCS4_STBC_SPEXP1	3	20.0
MCS5_STBC_SPEXP1	3	20.0
MCS6_STBC_SPEXP1	3	19.0
MCS7_STBC_SPEXP1	3	18.0
VHT8_9SS1_STBC_SPEXP1	3	-
MCS8_SPEXP1	3	21.0
MCS9_SPEXP1	3	21.0
MCS10_SPEXP1	3	21.0
MCS11_SPEXP1	3	21.0
MCS12_SPEXP1	3	20.0
MCS13_SPEXP1	3	20.0
MCS14_SPEXP1	3	19.0
MCS15_SPEXP1	3	18.0
VHT8_9SS2_SPEXP1	3	-

MCS16	3	21.0
MCS17	3	21.0
MCS18	3	21.0
MCS19	3	21.0
MCS20	3	20.0
MCS21	3	20.0
MCS22	3	19.0
MCS23	3	18.0
VHT8_9SS3	3	-

Power Targets:

Rate	Chains	20MHz
DSSS	1	8.0
OFDM	1	14.0
MCS0_7	1	14.0
VHT8_9SS1	1	8.0
DSSS_MULTI1	2	8.0
OFDM_CDD1	2	11.0
MCS0_7_CDD1	2	11.0
VHT8_9SS1_CDD1	2	8.0
MCS0_7_STBC	2	11.0
VHT8_9SS1_STBC	2	8.0
MCS8_15	2	11.0
VHT8_9SS2	2	8.0
DSSS_MULTI2	3	8.0
OFDM_CDD2	3	9.0
MCS0_7_CDD2	3	9.0
VHT8_9SS1_CDD2	3	8.0
MCS0_7_STBC_SPEXP1	3	9.0
VHT8_9SS1_STBC_SPEXP1	3	8.0
MCS8_15_SPEXP1	3	9.25
VHT8_9SS2_SPEXP1	3	8.0
MCS16_23	3	10.0
VHT8_9SS3	3	8.0

Maximum Power Target among all rates:	14.0	14.0	14.0
Last est. power :	10.0	9.75	9.50
Power Target for the current rate :	10.0	10.0	10.0

Last adjusted est. power : 14.0 13.75 13.50

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====CH38, BW:40MHz====

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CM/80211_hal> wl -a wl1 curpower

Power Control: On, HW
Current Channel: 36l
BSS Channel: (null)
BSS Local Max: 0.0 dBm
BSS Local Constraint: 0.0 dB
Channel Width: 40MHz
User Target: 31.75 dBm
SROM Antgain 2G: 0.0 dB
SROM Antgain 5G: 2.0 dB
SAR: -
Current rate: [MCS16] ht mcs 16 Tx Exp 0 BW 40

Regulatory Limits:

Rate	Chains	20in40	40MHz
DSSS	1	-	-
OFDM	1	18.50	18.50
MCS0_7	1	18.50	18.50
VHT8_9SS1	1	18.50	18.50
DSSS_MULTI1	2	-	-
OFDM_CDD1	2	15.50	15.50
MCS0_7_CDD1	2	15.50	15.50
VHT8_9SS1_CDD1	2	15.50	15.50
MCS0_7_STBC	2	15.50	15.50
VHT8_9SS1_STBC	2	15.50	15.50
MCS8_15	2	15.50	15.50
VHT8_9SS2	2	15.50	15.50
DSSS_MULTI2	3	-	-
OFDM_CDD2	3	12.50	12.50
MCS0_7_CDD2	3	12.50	12.50
VHT8_9SS1_CDD2	3	12.50	12.50
MCS0_7_STBC_SPEXP1	3	12.50	12.50

VHT8_9SS1_STBC_SPEXP1	3	13.25	13.25
MCS8_15_SPEXP1	3	12.75	12.75
VHT8_9SS2_SPEXP1	3	13.25	13.25
MCS16_23	3	13.25	13.25
VHT8_9SS3	3	13.25	13.25

Core Index: 0

Board Limits:

Rate	Chains	20in40	40MHz
DSSS	1	-	-
OFDM6	1	21.0	21.0
OFDM9	1	21.0	21.0
OFDM12	1	21.0	21.0
OFDM18	1	21.0	21.0
OFDM24	1	20.0	20.0
OFDM36	1	20.0	20.0
OFDM48	1	19.0	19.0
OFDM54	1	18.0	18.0
MCS0	1	21.0	21.0
MCS1	1	21.0	21.0
MCS2	1	21.0	21.0
MCS3	1	21.0	21.0
MCS4	1	20.0	20.0
MCS5	1	20.0	20.0
MCS6	1	19.0	19.0
MCS7	1	18.0	18.0
VHT8_9SS1	1	-	-
DSSS_MULTI1	2	-	-
OFDM6_CDD1	2	21.0	21.0
OFDM9_CDD1	2	21.0	21.0
OFDM12_CDD1	2	21.0	21.0
OFDM18_CDD1	2	21.0	21.0
OFDM24_CDD1	2	20.0	20.0
OFDM36_CDD1	2	20.0	20.0
OFDM48_CDD1	2	19.0	19.0
OFDM54_CDD1	2	18.0	18.0
MCS0_CDD1	2	21.0	21.0
MCS1_CDD1	2	21.0	21.0

MCS2_CDD1	2	21.0	21.0
MCS3_CDD1	2	21.0	21.0
MCS4_CDD1	2	20.0	20.0
MCS5_CDD1	2	20.0	20.0
MCS6_CDD1	2	19.0	19.0
MCS7_CDD1	2	18.0	18.0
VHT8_9SS1_CDD1	2	-	-
MCS0_STBC	2	21.0	21.0
MCS1_STBC	2	21.0	21.0
MCS2_STBC	2	21.0	21.0
MCS3_STBC	2	21.0	21.0
MCS4_STBC	2	20.0	20.0
MCS5_STBC	2	20.0	20.0
MCS6_STBC	2	19.0	19.0
MCS7_STBC	2	18.0	18.0
VHT8_9SS1_STBC	2	-	-
MCS8	2	21.0	21.0
MCS9	2	21.0	21.0
MCS10	2	21.0	21.0
MCS11	2	21.0	21.0
MCS12	2	20.0	20.0
MCS13	2	20.0	20.0
MCS14	2	19.0	19.0
MCS15	2	18.0	18.0
VHT8_9SS2	2	-	-
DSSS_MULTI2	3	-	-
OFDM6_CDD2	3	21.0	21.0
OFDM9_CDD2	3	21.0	21.0
OFDM12_CDD2	3	21.0	21.0
OFDM18_CDD2	3	21.0	21.0
OFDM24_CDD2	3	20.0	20.0
OFDM36_CDD2	3	20.0	20.0
OFDM48_CDD2	3	19.0	19.0
OFDM54_CDD2	3	18.0	18.0
MCS0_CDD2	3	21.0	21.0
MCS1_CDD2	3	21.0	21.0
MCS2_CDD2	3	21.0	21.0
MCS3_CDD2	3	21.0	21.0

MCS4_CDD2	3	20.0	20.0
MCS5_CDD2	3	20.0	20.0
MCS6_CDD2	3	19.0	19.0
MCS7_CDD2	3	18.0	18.0
VHT8_9SS1_CDD2	3	-	-
MCS0_STBC_SPEXP1	3	21.0	21.0
MCS1_STBC_SPEXP1	3	21.0	21.0
MCS2_STBC_SPEXP1	3	21.0	21.0
MCS3_STBC_SPEXP1	3	21.0	21.0
MCS4_STBC_SPEXP1	3	20.0	20.0
MCS5_STBC_SPEXP1	3	20.0	20.0
MCS6_STBC_SPEXP1	3	19.0	19.0
MCS7_STBC_SPEXP1	3	18.0	18.0
VHT8_9SS1_STBC_SPEXP1	3	-	-
MCS8_SPEXP1	3	21.0	21.0
MCS9_SPEXP1	3	21.0	21.0
MCS10_SPEXP1	3	21.0	21.0
MCS11_SPEXP1	3	21.0	21.0
MCS12_SPEXP1	3	20.0	20.0
MCS13_SPEXP1	3	20.0	20.0
MCS14_SPEXP1	3	19.0	19.0
MCS15_SPEXP1	3	18.0	18.0
VHT8_9SS2_SPEXP1	3	-	-
MCS16	3	21.0	21.0
MCS17	3	21.0	21.0
MCS18	3	21.0	21.0
MCS19	3	21.0	21.0
MCS20	3	20.0	20.0
MCS21	3	20.0	20.0
MCS22	3	19.0	19.0
MCS23	3	18.0	18.0
VHT8_9SS3	3	-	-

Power Targets:

Rate	Chains	20in40	40MHz
DSSS	1	8.0	-
OFDM6	1	17.0	17.0
OFDM9	1	17.0	17.0

OFDM12	1	17.0	17.0
OFDM18	1	17.0	17.0
OFDM24	1	17.0	17.0
OFDM36	1	17.0	17.0
OFDM48	1	17.0	17.0
OFDM54	1	16.50	16.50
MCS0	1	17.0	17.0
MCS1	1	17.0	17.0
MCS2	1	17.0	17.0
MCS3	1	17.0	17.0
MCS4	1	17.0	17.0
MCS5	1	17.0	17.0
MCS6	1	17.0	17.0
MCS7	1	16.50	16.50
VHT8_9SS1	1	8.0	8.0
DSSS_MULTI1	2	8.0	-
OFDM_CDD1	2	14.0	14.0
MCS0_7_CDD1	2	14.0	14.0
VHT8_9SS1_CDD1	2	8.0	8.0
MCS0_7_STBC	2	14.0	14.0
VHT8_9SS1_STBC	2	8.0	8.0
MCS8_15	2	14.0	14.0
VHT8_9SS2	2	8.0	8.0
DSSS_MULTI2	3	8.0	-
OFDM_CDD2	3	11.0	11.0
MCS0_7_CDD2	3	11.0	11.0
VHT8_9SS1_CDD2	3	8.0	8.0
MCS0_7_STBC_SPEXP1	3	11.0	11.0
VHT8_9SS1_STBC_SPEXP1	3	8.0	8.0
MCS8_15_SPEXP1	3	11.25	11.25
VHT8_9SS2_SPEXP1	3	8.0	8.0
MCS16_23	3	11.75	11.75
VHT8_9SS3	3	8.0	8.0

Maximum Power Target among all rates: 17.0 17.0 17.0
Last est. power : 11.75 12.25 11.75
Power Target for the current rate : 12.0 12.0 12.0
Last adjusted est. power : 16.75 17.25 16.75

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====CH46, BW:40MHz====

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CM/80211_hal> wl -a wl1 curpower

Power Control: On, HW
Current Channel: 44l
BSS Channel: (null)
BSS Local Max: 0.0 dBm
BSS Local Constraint: 0.0 dB
Channel Width: 40MHz
User Target: 31.75 dBm
SROM Antgain 2G: 0.0 dB
SROM Antgain 5G: 2.0 dB
SAR: -
Current rate: [MCS16] ht mcs 16 Tx Exp 0 BW 40

Regulatory Limits:

Rate	Chains	20in40	40MHz
DSSS	1	-	-
OFDM	1	18.50	18.50
MCS0_7	1	18.50	18.50
VHT8_9SS1	1	18.50	18.50
DSSS_MULTI1	2	-	-
OFDM_CDD1	2	15.50	15.50
MCS0_7_CDD1	2	15.50	15.50
VHT8_9SS1_CDD1	2	15.50	15.50
MCS0_7_STBC	2	15.50	15.50
VHT8_9SS1_STBC	2	15.50	15.50
MCS8_15	2	15.50	15.50
VHT8_9SS2	2	15.50	15.50
DSSS_MULTI2	3	-	-
OFDM_CDD2	3	12.50	12.50
MCS0_7_CDD2	3	12.50	12.50
VHT8_9SS1_CDD2	3	12.50	12.50
MCS0_7_STBC_SPEXP1	3	12.50	12.50
VHT8_9SS1_STBC_SPEXP1	3	13.25	13.25

MCS8_15_SPEXP1	3	12.75	12.75
VHT8_9SS2_SPEXP1	3	13.25	13.25
MCS16_23	3	13.25	13.25
VHT8_9SS3	3	13.25	13.25

Core Index: 0

Board Limits:

Rate	Chains	20in40	40MHz
DSSS	1	-	-
OFDM6	1	21.0	21.0
OFDM9	1	21.0	21.0
OFDM12	1	21.0	21.0
OFDM18	1	21.0	21.0
OFDM24	1	20.0	20.0
OFDM36	1	20.0	20.0
OFDM48	1	19.0	19.0
OFDM54	1	18.0	18.0
MCS0	1	21.0	21.0
MCS1	1	21.0	21.0
MCS2	1	21.0	21.0
MCS3	1	21.0	21.0
MCS4	1	20.0	20.0
MCS5	1	20.0	20.0
MCS6	1	19.0	19.0
MCS7	1	18.0	18.0
VHT8_9SS1	1	-	-
DSSS_MULTI1	2	-	-
OFDM6_CDD1	2	21.0	21.0
OFDM9_CDD1	2	21.0	21.0
OFDM12_CDD1	2	21.0	21.0
OFDM18_CDD1	2	21.0	21.0
OFDM24_CDD1	2	20.0	20.0
OFDM36_CDD1	2	20.0	20.0
OFDM48_CDD1	2	19.0	19.0
OFDM54_CDD1	2	18.0	18.0
MCS0_CDD1	2	21.0	21.0
MCS1_CDD1	2	21.0	21.0
MCS2_CDD1	2	21.0	21.0

MCS3_CDD1	2	21.0	21.0
MCS4_CDD1	2	20.0	20.0
MCS5_CDD1	2	20.0	20.0
MCS6_CDD1	2	19.0	19.0
MCS7_CDD1	2	18.0	18.0
VHT8_9SS1_CDD1	2	-	-
MCS0_STBC	2	21.0	21.0
MCS1_STBC	2	21.0	21.0
MCS2_STBC	2	21.0	21.0
MCS3_STBC	2	21.0	21.0
MCS4_STBC	2	20.0	20.0
MCS5_STBC	2	20.0	20.0
MCS6_STBC	2	19.0	19.0
MCS7_STBC	2	18.0	18.0
VHT8_9SS1_STBC	2	-	-
MCS8	2	21.0	21.0
MCS9	2	21.0	21.0
MCS10	2	21.0	21.0
MCS11	2	21.0	21.0
MCS12	2	20.0	20.0
MCS13	2	20.0	20.0
MCS14	2	19.0	19.0
MCS15	2	18.0	18.0
VHT8_9SS2	2	-	-
DSSS_MULTI2	3	-	-
OFDM6_CDD2	3	21.0	21.0
OFDM9_CDD2	3	21.0	21.0
OFDM12_CDD2	3	21.0	21.0
OFDM18_CDD2	3	21.0	21.0
OFDM24_CDD2	3	20.0	20.0
OFDM36_CDD2	3	20.0	20.0
OFDM48_CDD2	3	19.0	19.0
OFDM54_CDD2	3	18.0	18.0
MCS0_CDD2	3	21.0	21.0
MCS1_CDD2	3	21.0	21.0
MCS2_CDD2	3	21.0	21.0
MCS3_CDD2	3	21.0	21.0
MCS4_CDD2	3	20.0	20.0

MCS5_CDD2	3	20.0	20.0
MCS6_CDD2	3	19.0	19.0
MCS7_CDD2	3	18.0	18.0
VHT8_9SS1_CDD2	3	-	-
MCS0_STBC_SPEXP1	3	21.0	21.0
MCS1_STBC_SPEXP1	3	21.0	21.0
MCS2_STBC_SPEXP1	3	21.0	21.0
MCS3_STBC_SPEXP1	3	21.0	21.0
MCS4_STBC_SPEXP1	3	20.0	20.0
MCS5_STBC_SPEXP1	3	20.0	20.0
MCS6_STBC_SPEXP1	3	19.0	19.0
MCS7_STBC_SPEXP1	3	18.0	18.0
VHT8_9SS1_STBC_SPEXP1	3	-	-
MCS8_SPEXP1	3	21.0	21.0
MCS9_SPEXP1	3	21.0	21.0
MCS10_SPEXP1	3	21.0	21.0
MCS11_SPEXP1	3	21.0	21.0
MCS12_SPEXP1	3	20.0	20.0
MCS13_SPEXP1	3	20.0	20.0
MCS14_SPEXP1	3	19.0	19.0
MCS15_SPEXP1	3	18.0	18.0
VHT8_9SS2_SPEXP1	3	-	-
MCS16	3	21.0	21.0
MCS17	3	21.0	21.0
MCS18	3	21.0	21.0
MCS19	3	21.0	21.0
MCS20	3	20.0	20.0
MCS21	3	20.0	20.0
MCS22	3	19.0	19.0
MCS23	3	18.0	18.0
VHT8_9SS3	3	-	-

Power Targets:

Rate	Chains	20in40	40MHz
DSSS	1	8.0	-
OFDM6	1	17.0	17.0
OFDM9	1	17.0	17.0
OFDM12	1	17.0	17.0

OFDM18	1	17.0	17.0
OFDM24	1	17.0	17.0
OFDM36	1	17.0	17.0
OFDM48	1	17.0	17.0
OFDM54	1	16.50	16.50
MCS0	1	17.0	17.0
MCS1	1	17.0	17.0
MCS2	1	17.0	17.0
MCS3	1	17.0	17.0
MCS4	1	17.0	17.0
MCS5	1	17.0	17.0
MCS6	1	17.0	17.0
MCS7	1	16.50	16.50
VHT8_9SS1	1	8.0	8.0
DSSS_MULTI1	2	8.0	-
OFDM_CDD1	2	14.0	14.0
MCS0_7_CDD1	2	14.0	14.0
VHT8_9SS1_CDD1	2	8.0	8.0
MCS0_7_STBC	2	14.0	14.0
VHT8_9SS1_STBC	2	8.0	8.0
MCS8_15	2	14.0	14.0
VHT8_9SS2	2	8.0	8.0
DSSS_MULTI2	3	8.0	-
OFDM_CDD2	3	11.0	11.0
MCS0_7_CDD2	3	11.0	11.0
VHT8_9SS1_CDD2	3	8.0	8.0
MCS0_7_STBC_SPEXP1	3	11.0	11.0
VHT8_9SS1_STBC_SPEXP1	3	8.0	8.0
MCS8_15_SPEXP1	3	11.25	11.25
VHT8_9SS2_SPEXP1	3	8.0	8.0
MCS16_23	3	11.75	11.75
VHT8_9SS3	3	8.0	8.0

Maximum Power Target among all rates:	17.0	17.0	17.0
Last est. power :	11.0	11.50	11.75
Power Target for the current rate :	12.0	12.0	12.0
Last adjusted est. power :	16.0	16.50	16.75