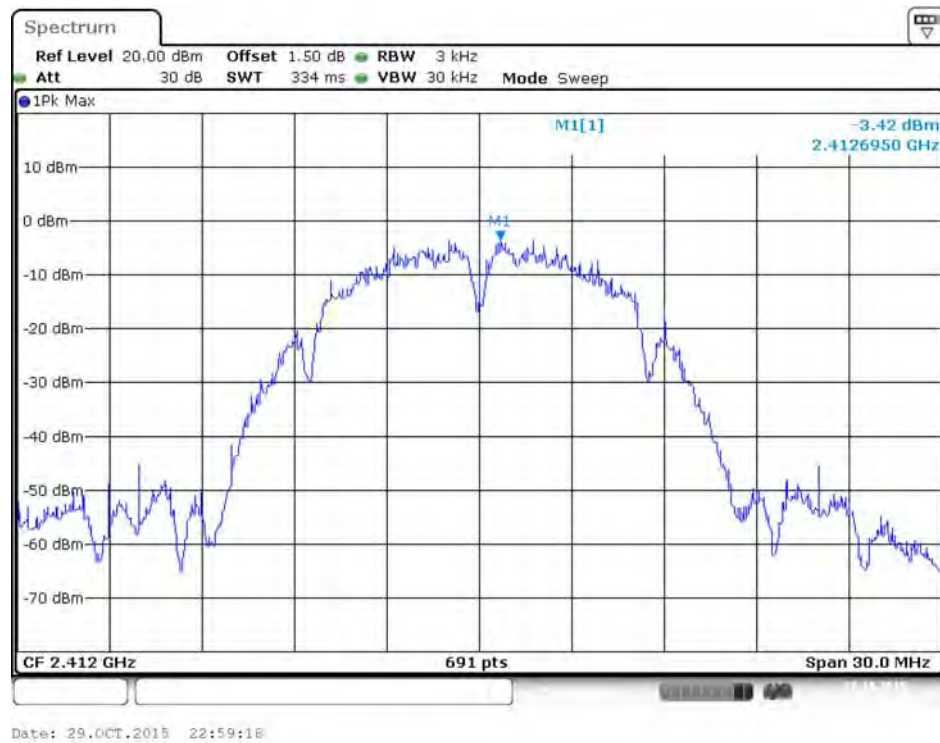
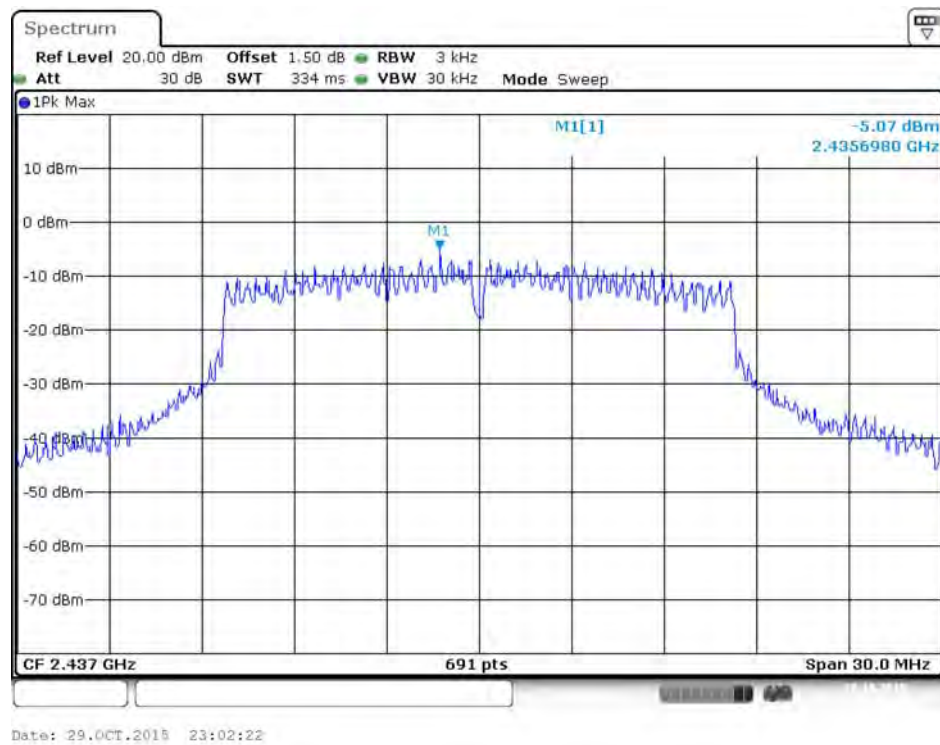


Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)

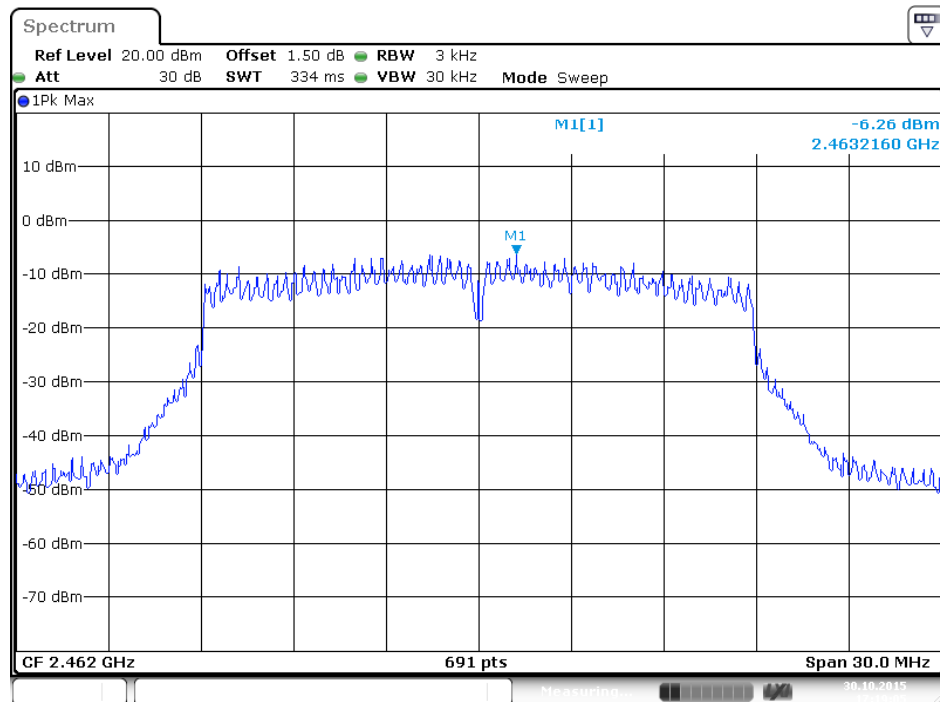
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1

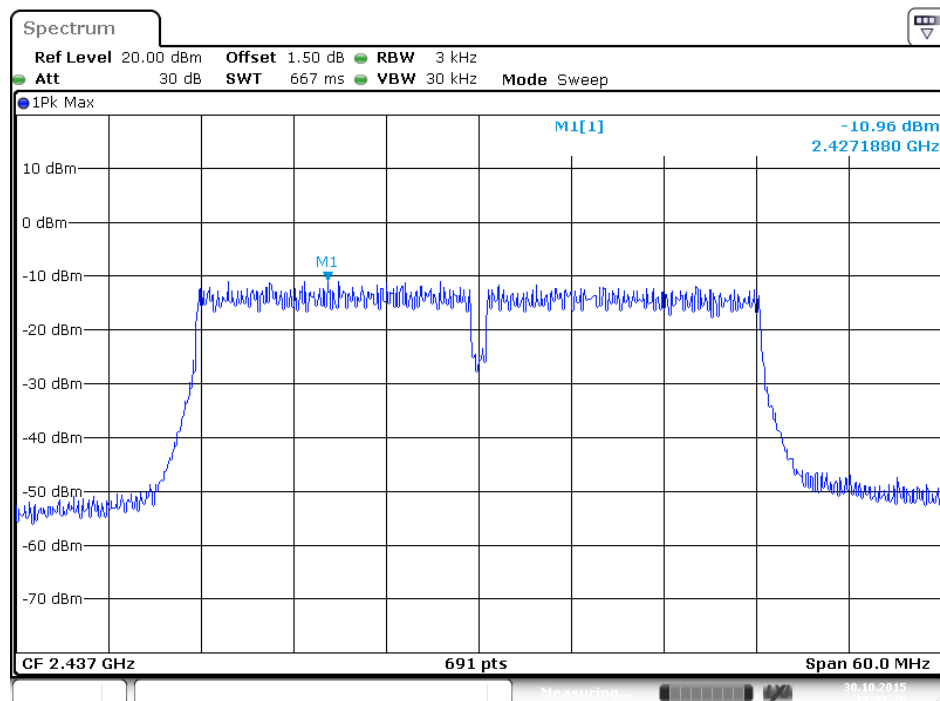


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



Date: 30.OCT.2015 17:19:06

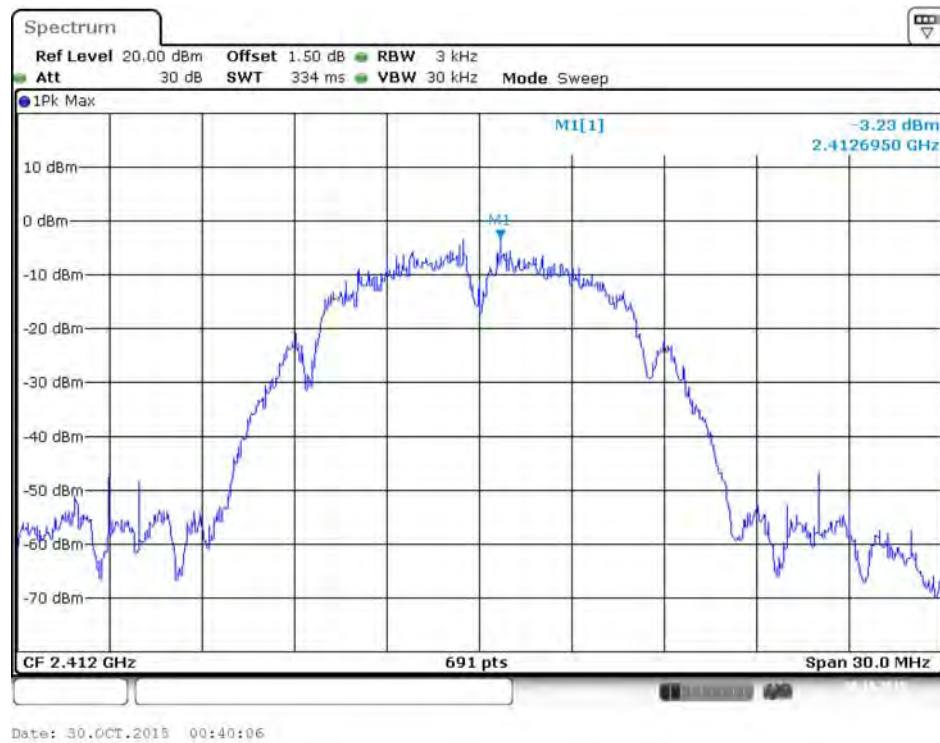
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



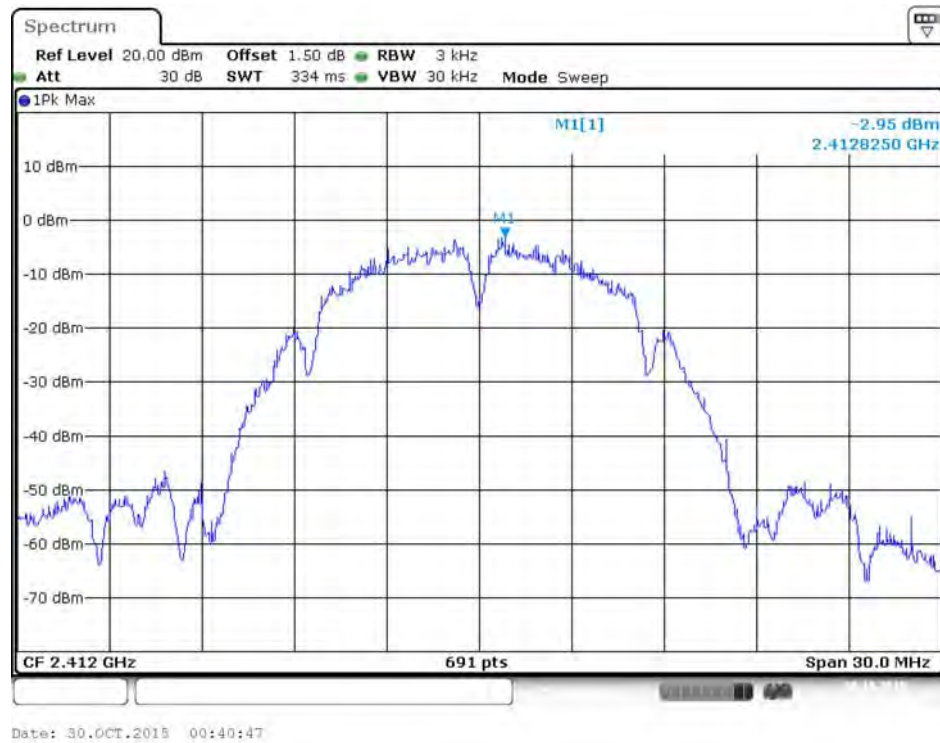
Date: 30.OCT.2015 17:21:26

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)

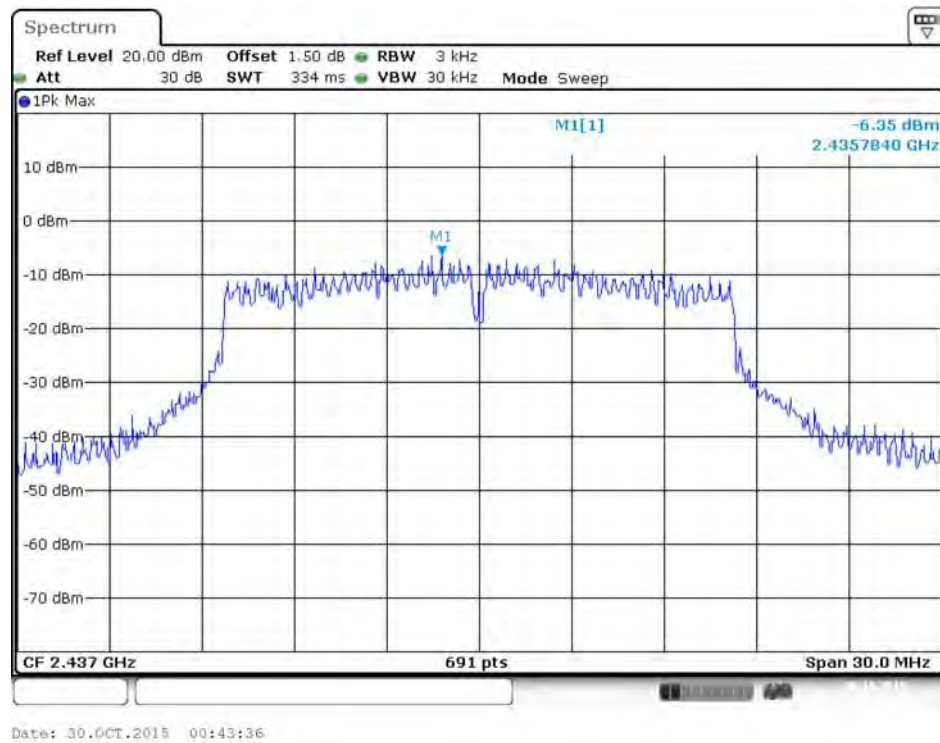
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



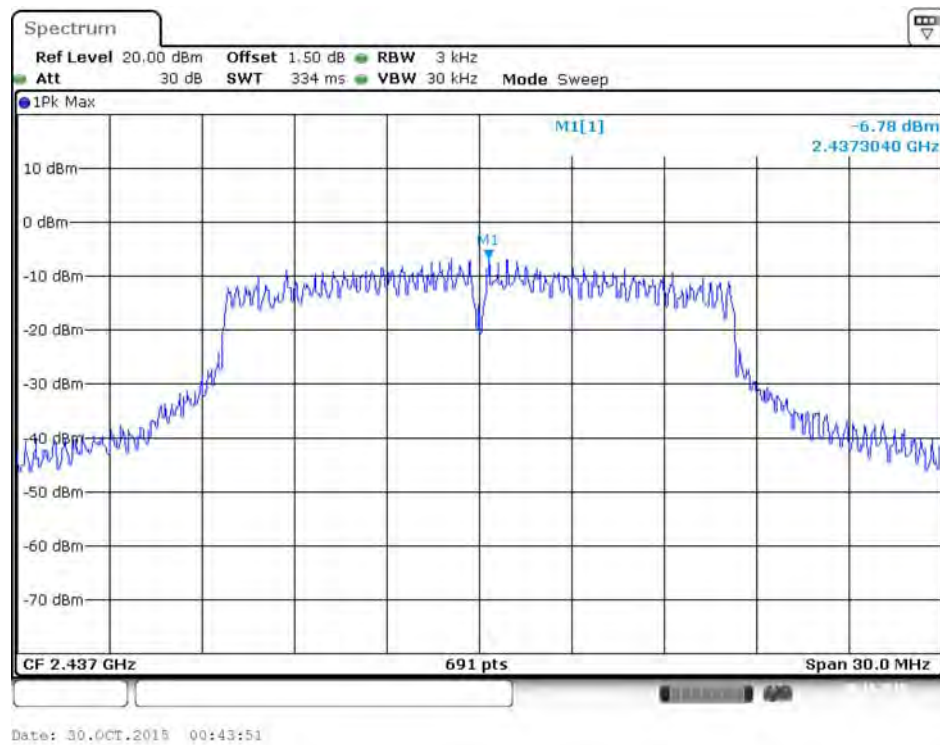
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



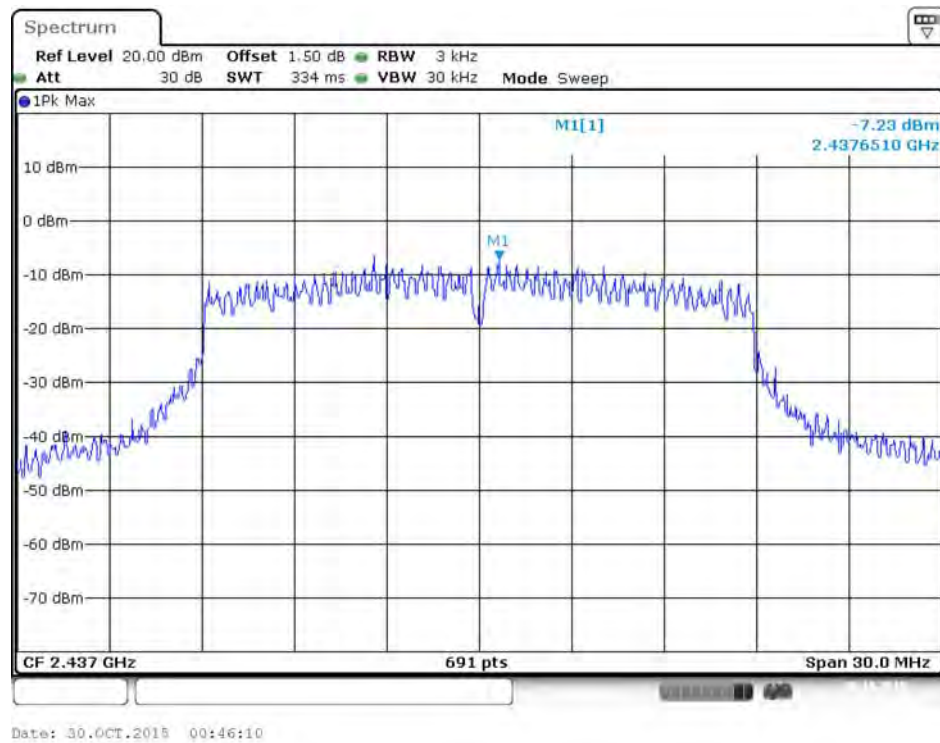
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



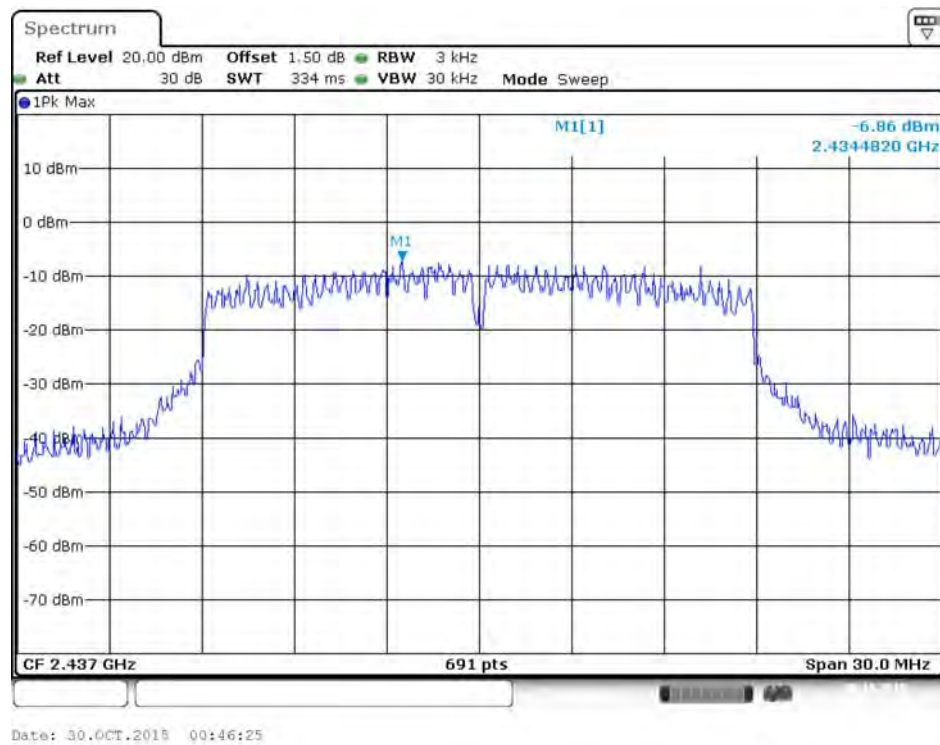
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



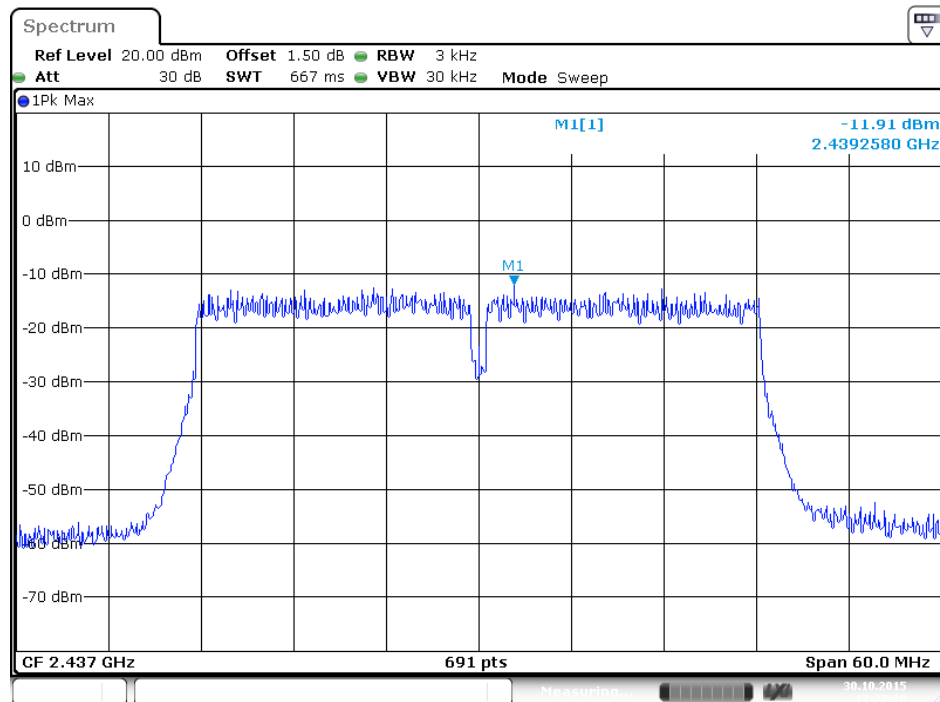
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

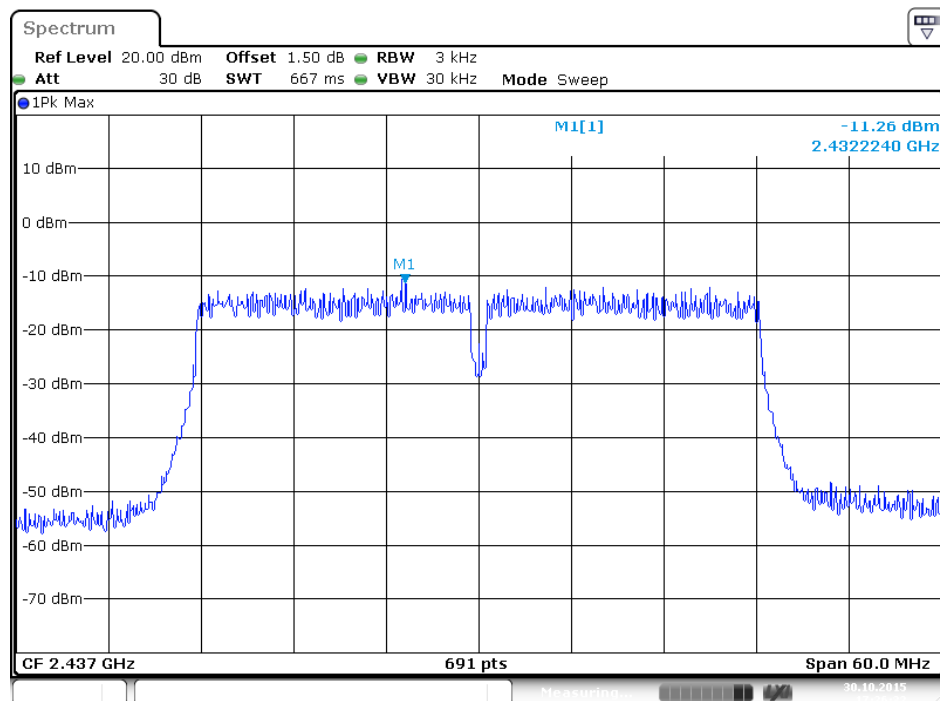


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Date: 30.OCT.2015 17:27:20

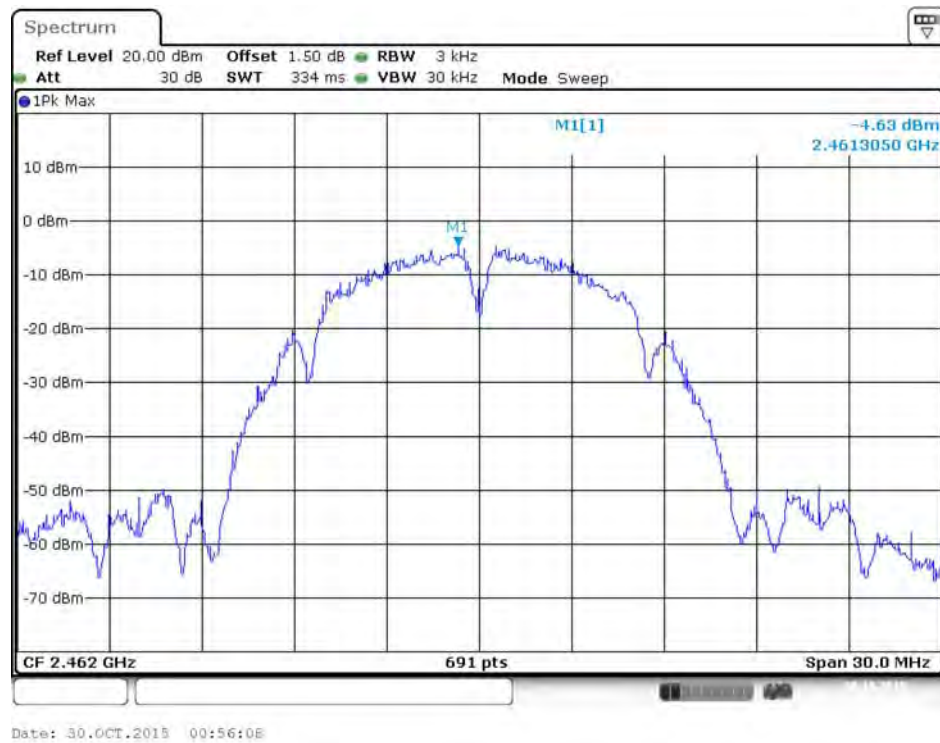
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



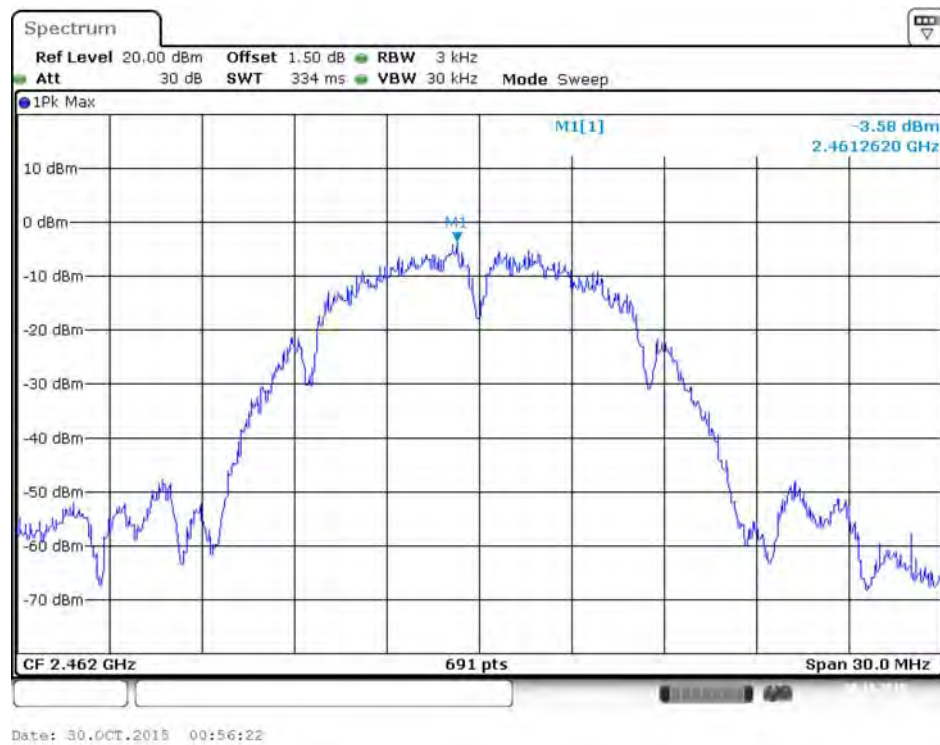
Date: 30.OCT.2015 17:26:31

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)

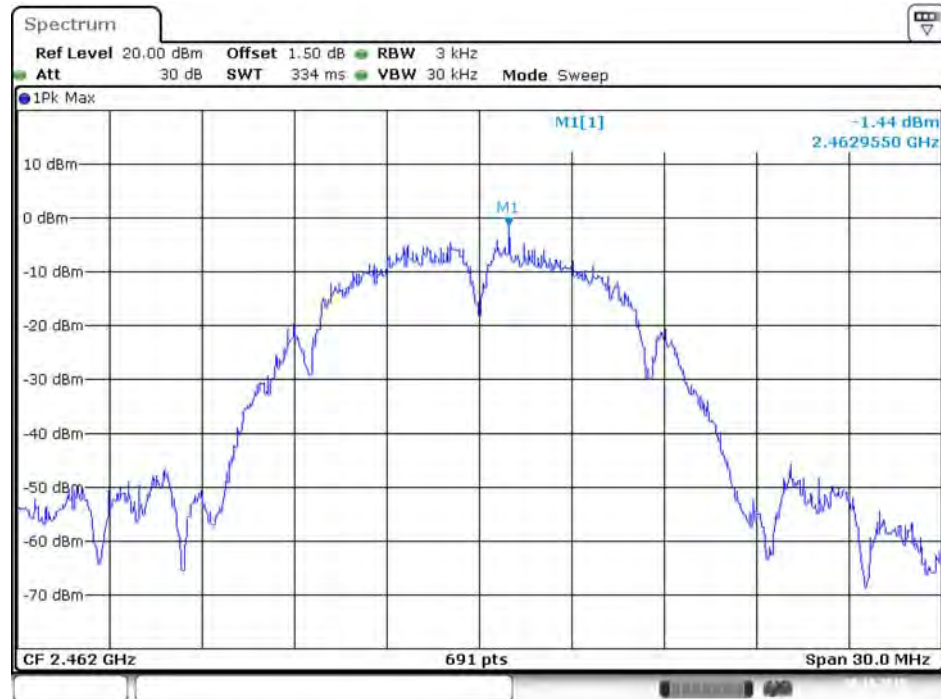
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2

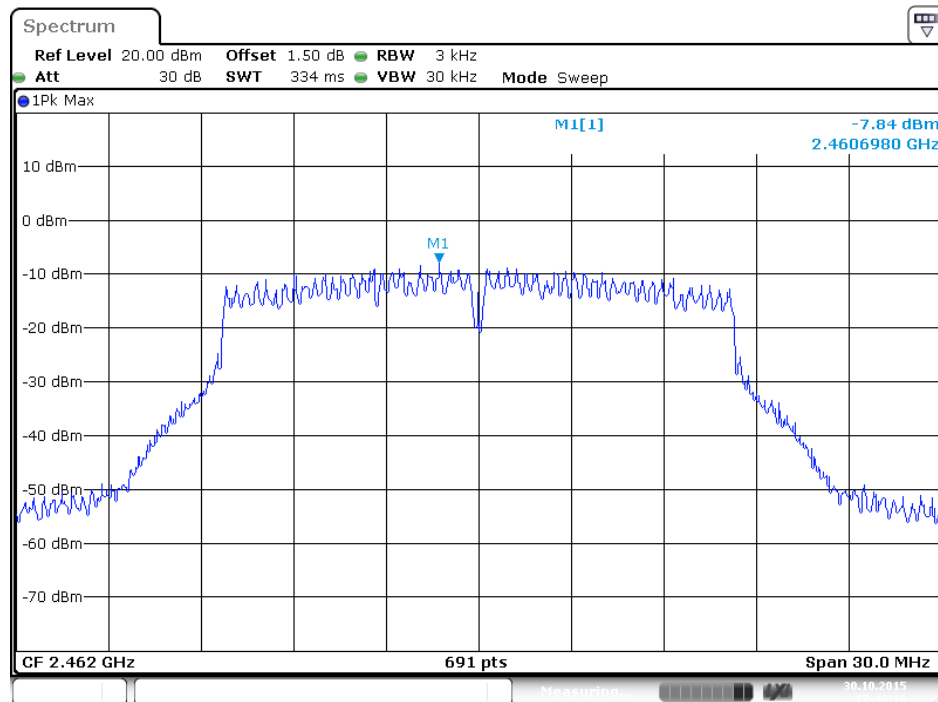


Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



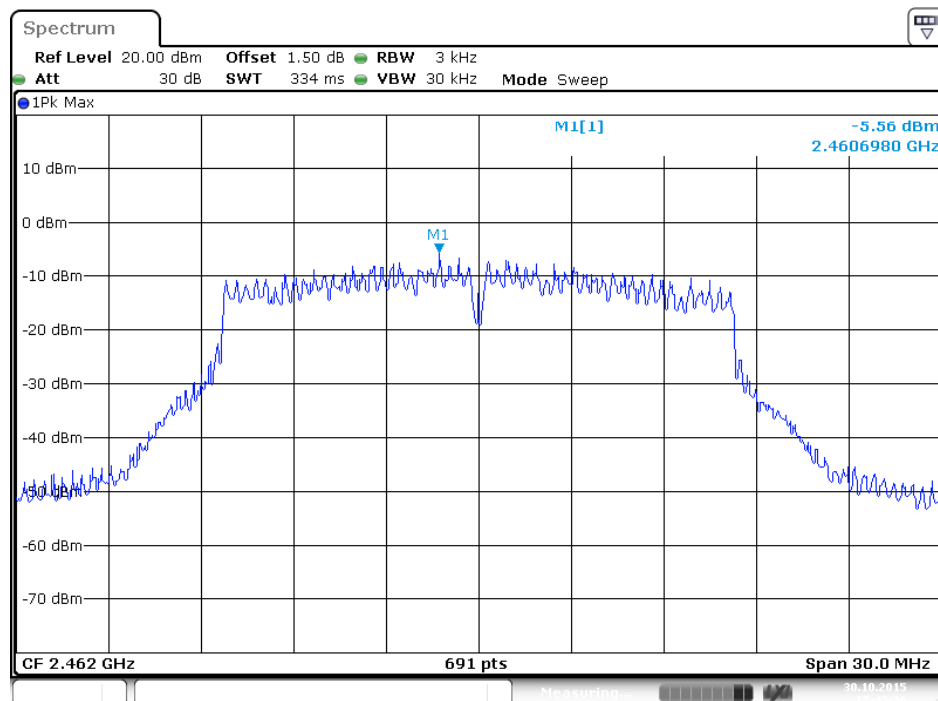
Date: 30.OCT.2015 00:56:36

Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



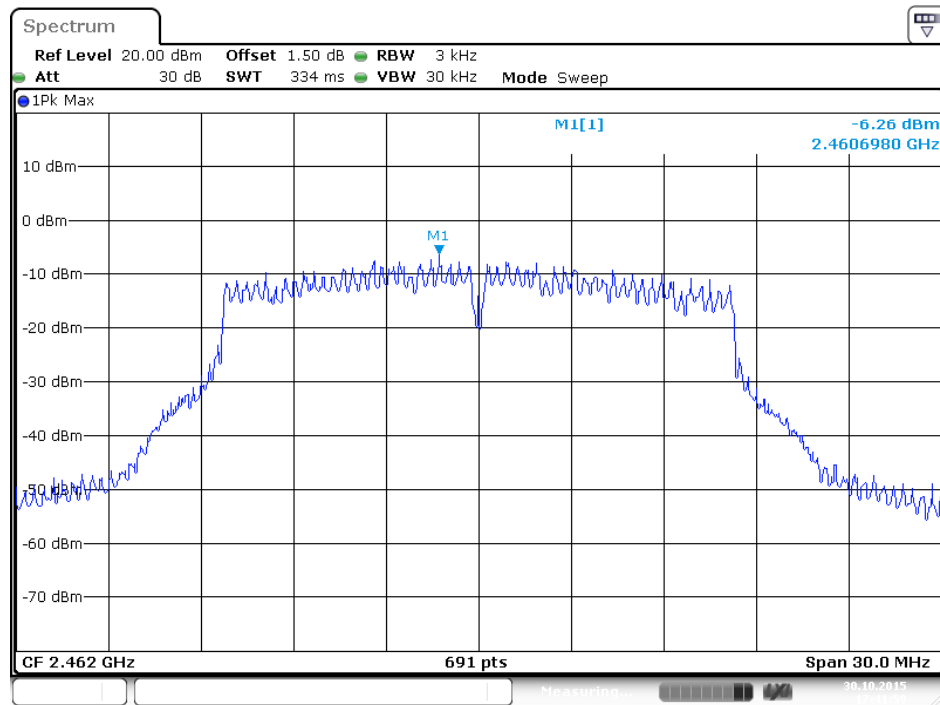
Date: 30.OCT.2015 17:43:16

Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 2



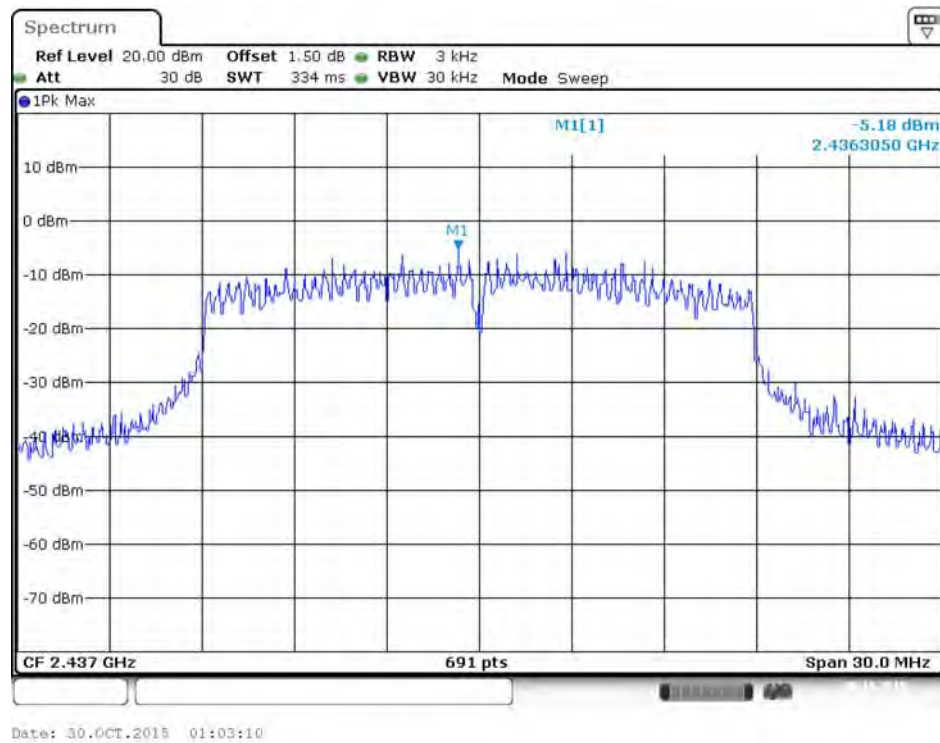
Date: 30.OCT.2015 17:42:36

Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 3

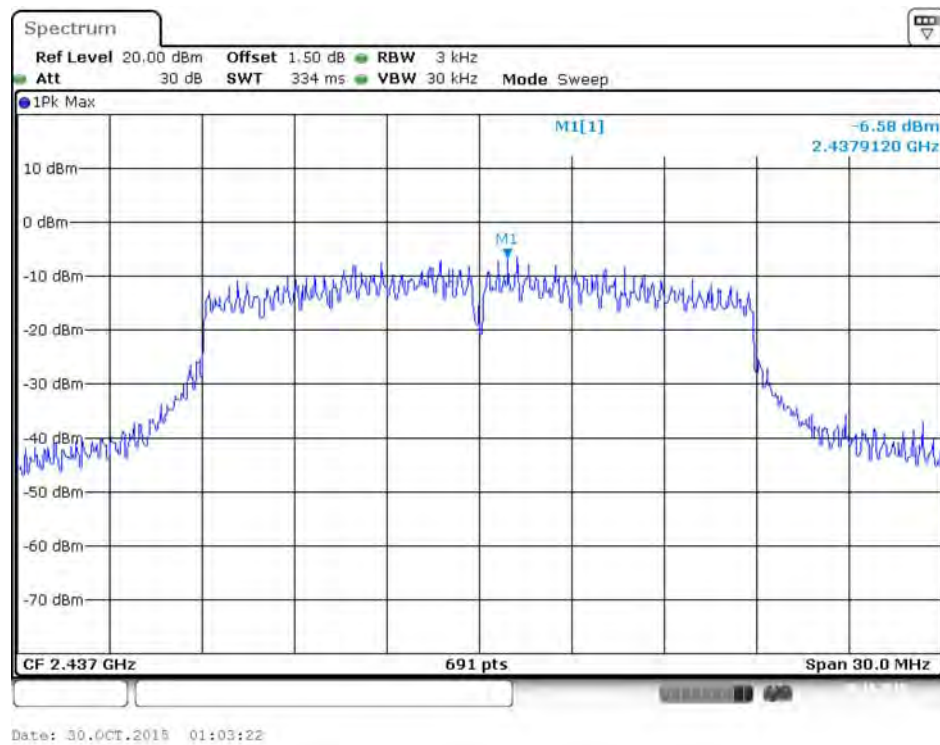


Date: 30.OCT.2015 17:41:59

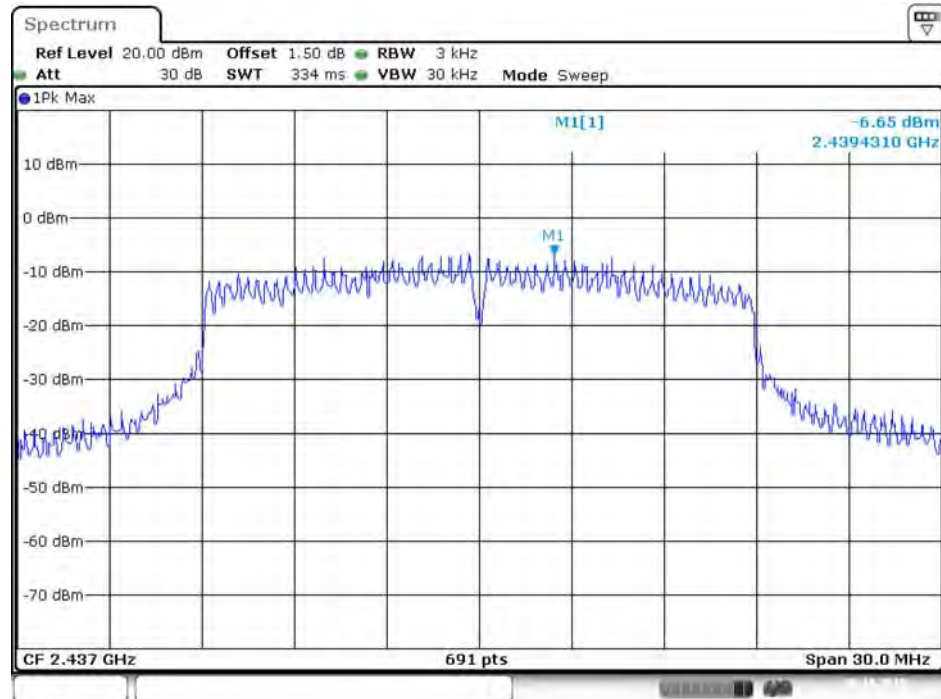
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

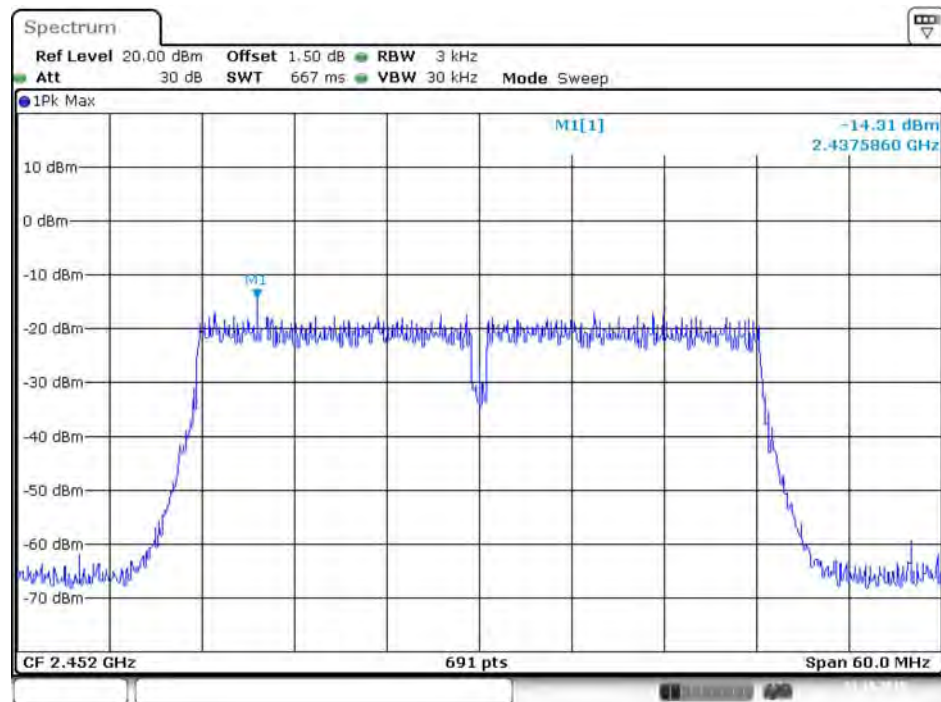


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



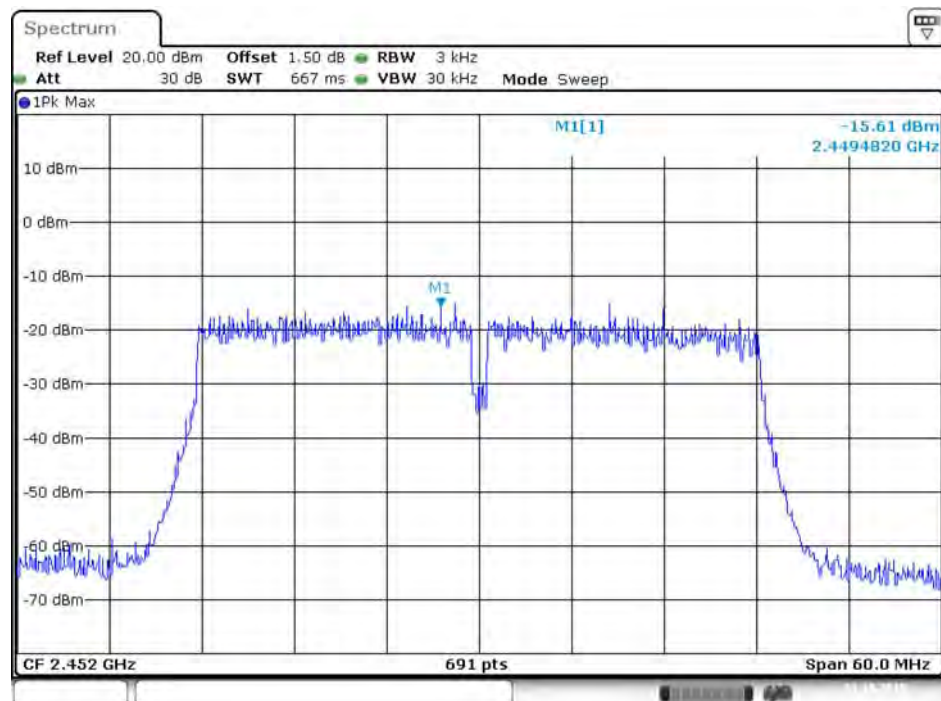
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



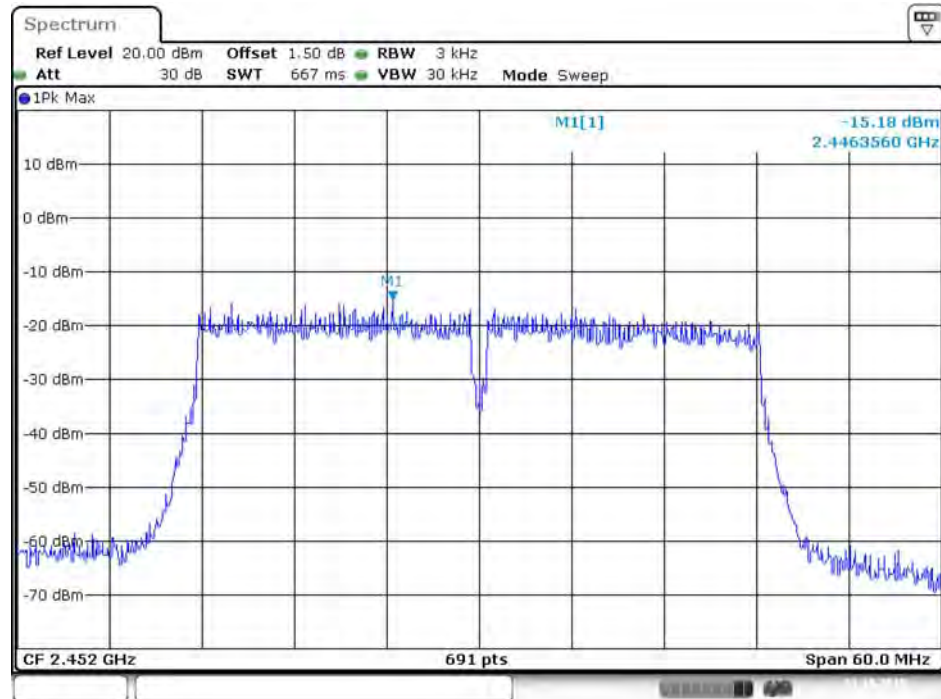
Date: 31.OCT.2015 19:23:15

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 2



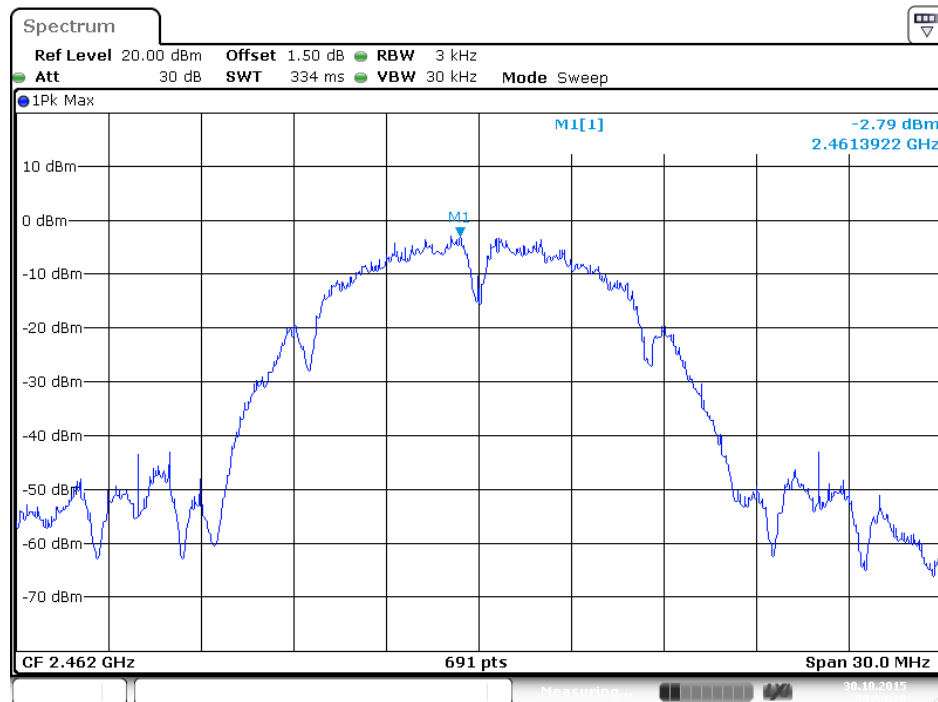
Date: 31.OCT.2015 19:23:02

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 3



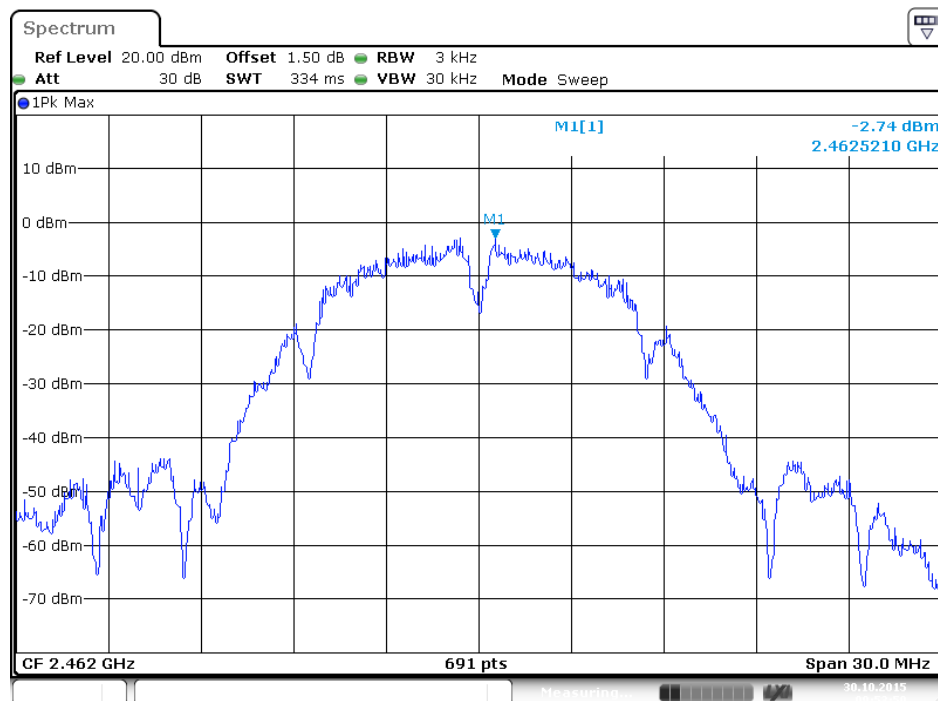
Date: 31.OCT.2015 19:23:28

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



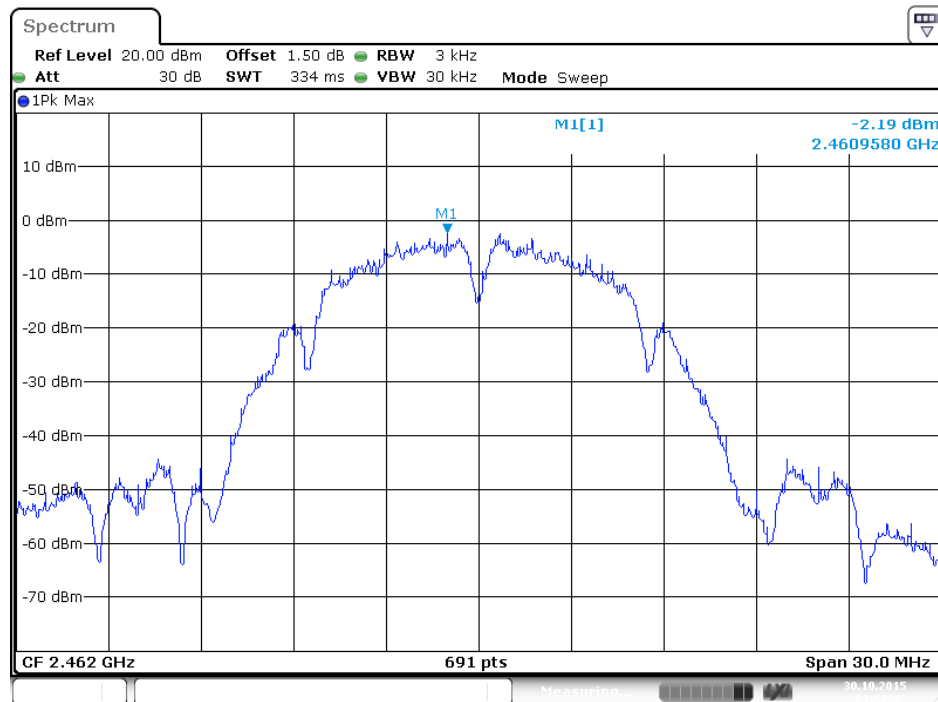
Date: 30.OCT.2015 09:54:28

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2



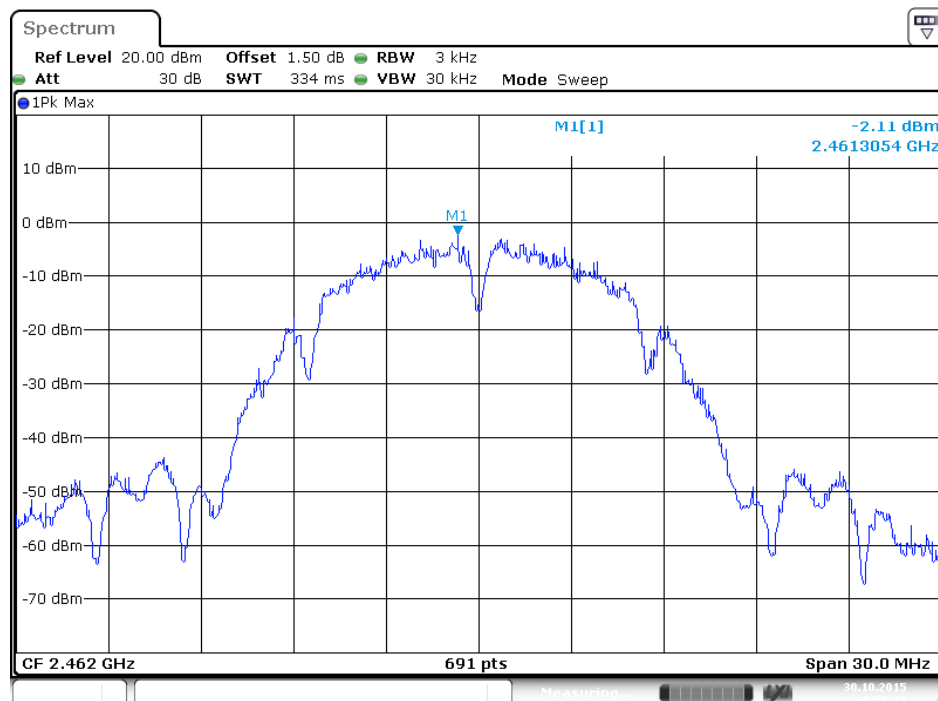
Date: 30.OCT.2015 09:53:50

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



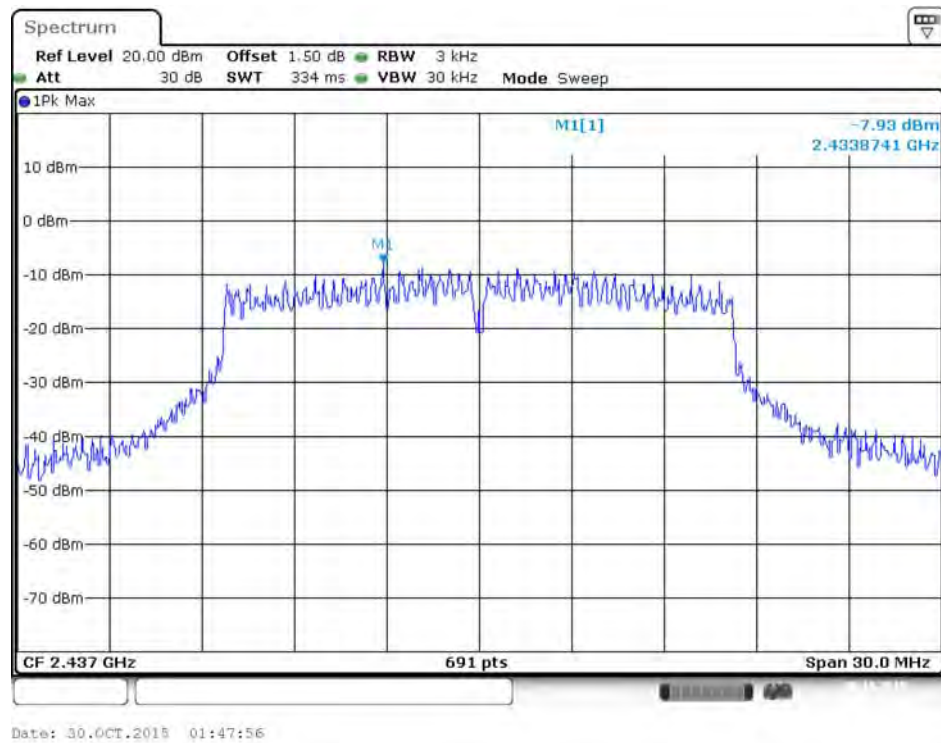
Date: 30.OCT.2015 09:52:42

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 4

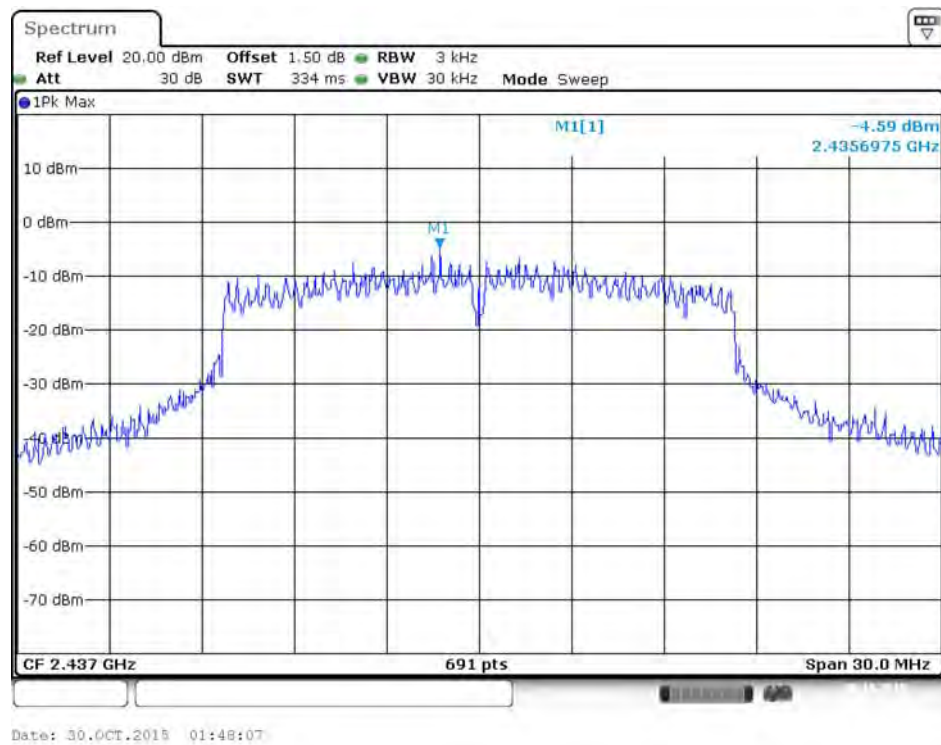


Date: 30.OCT.2015 09:53:22

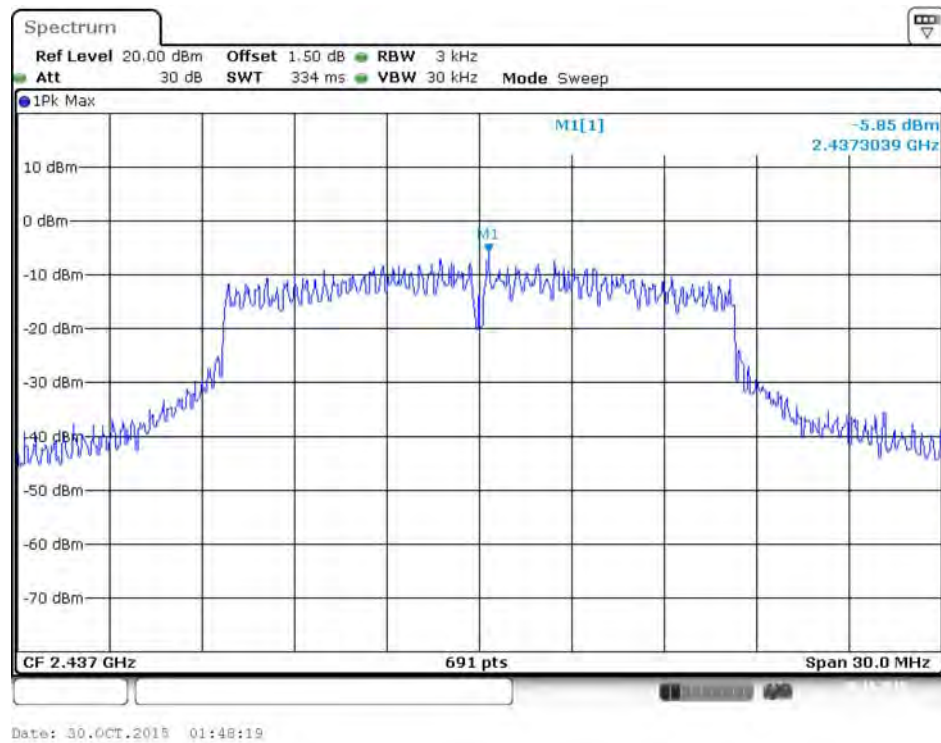
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



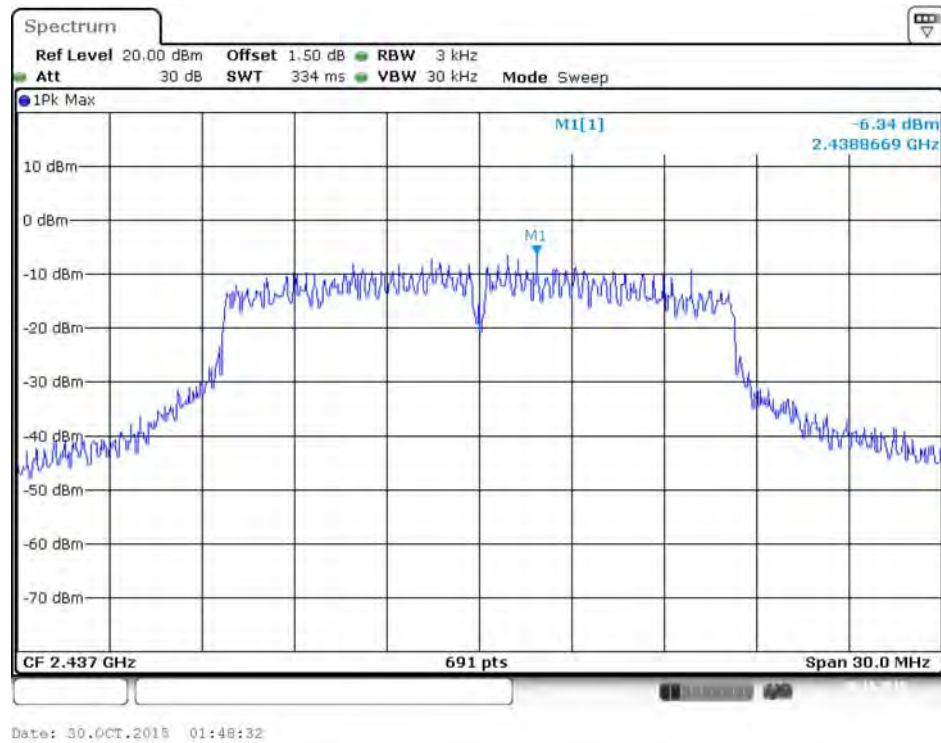
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



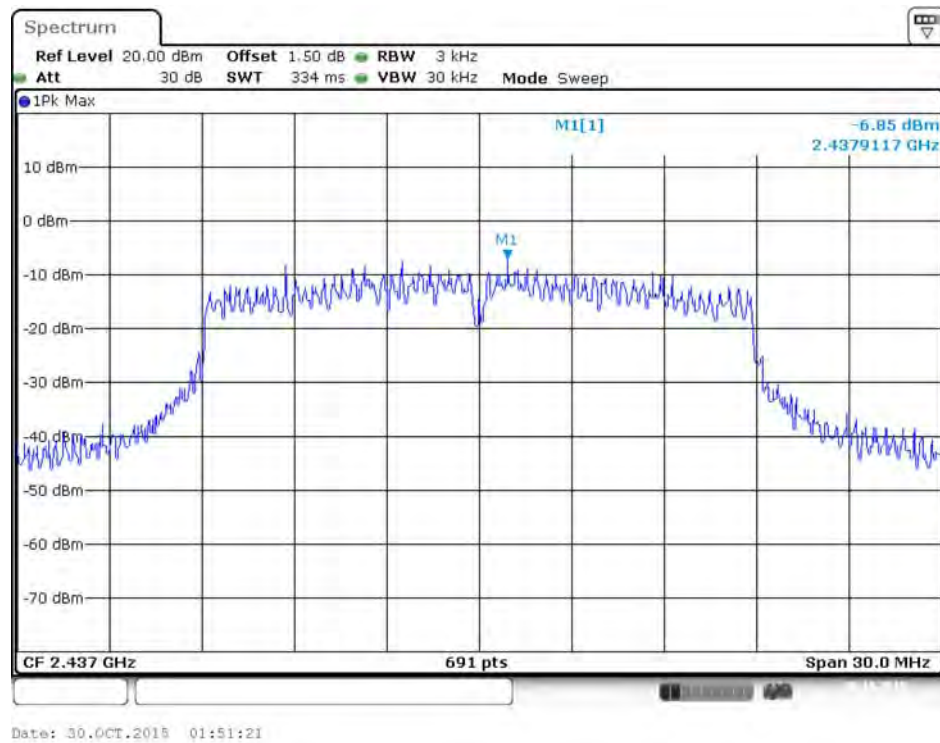
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



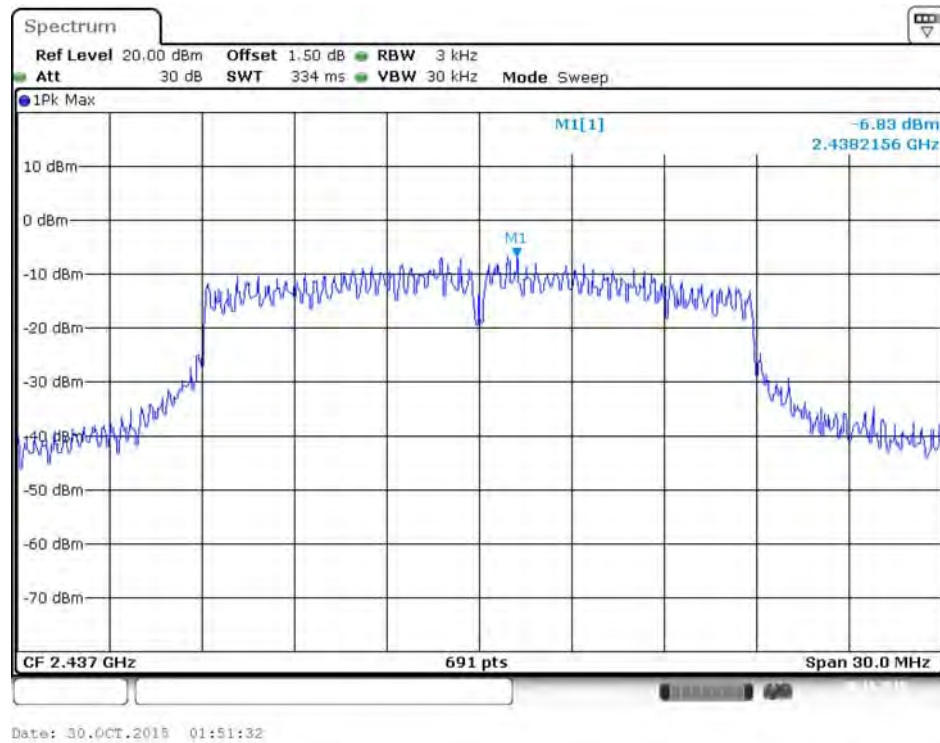
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



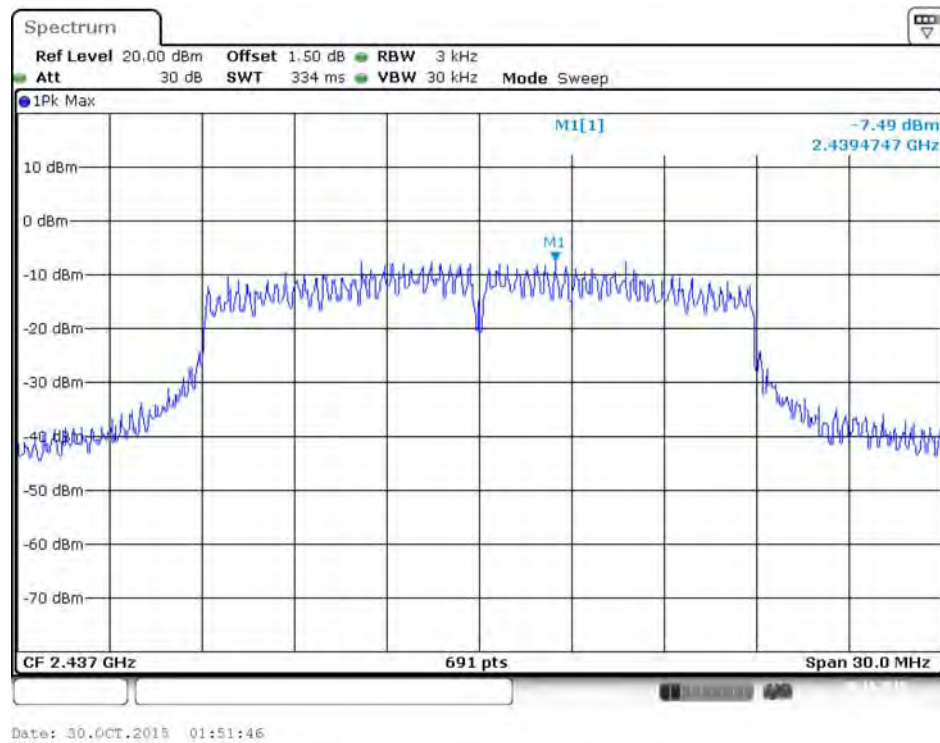
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



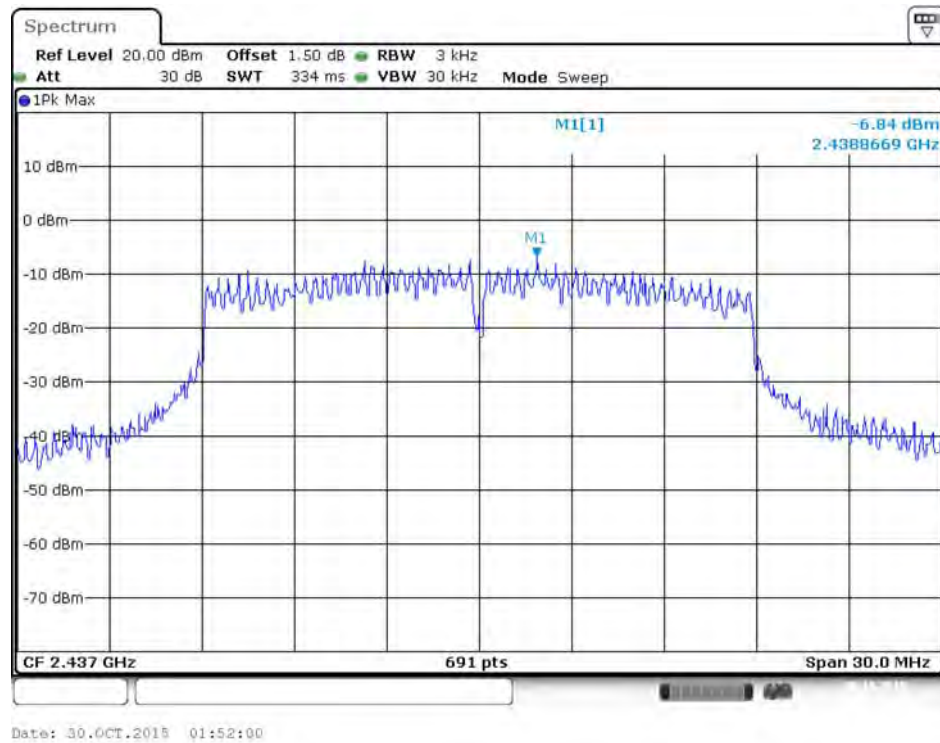
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



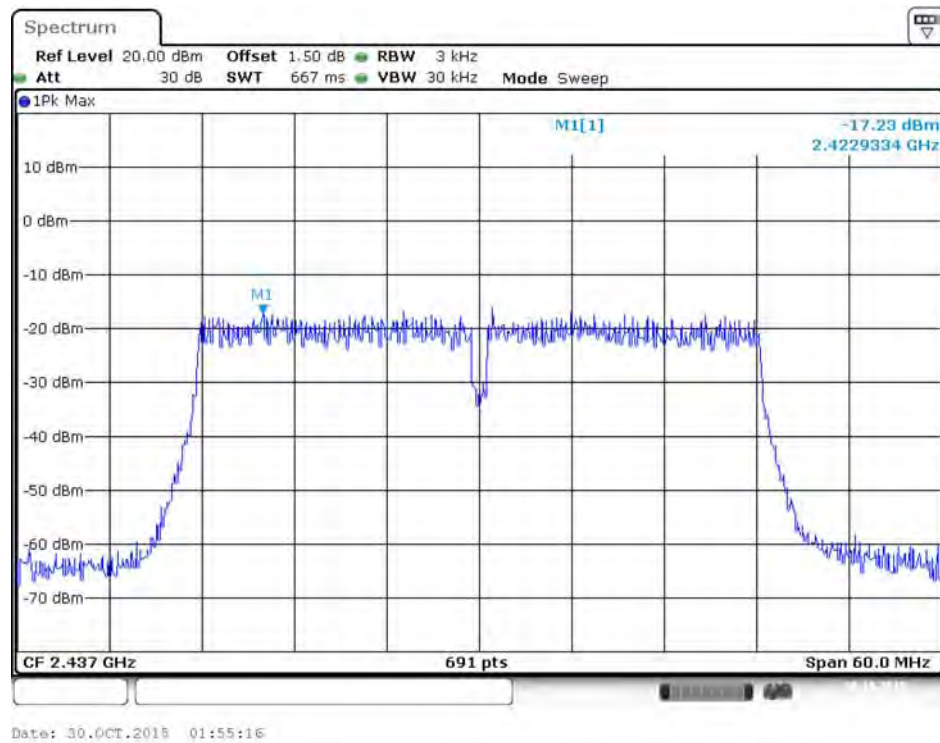
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



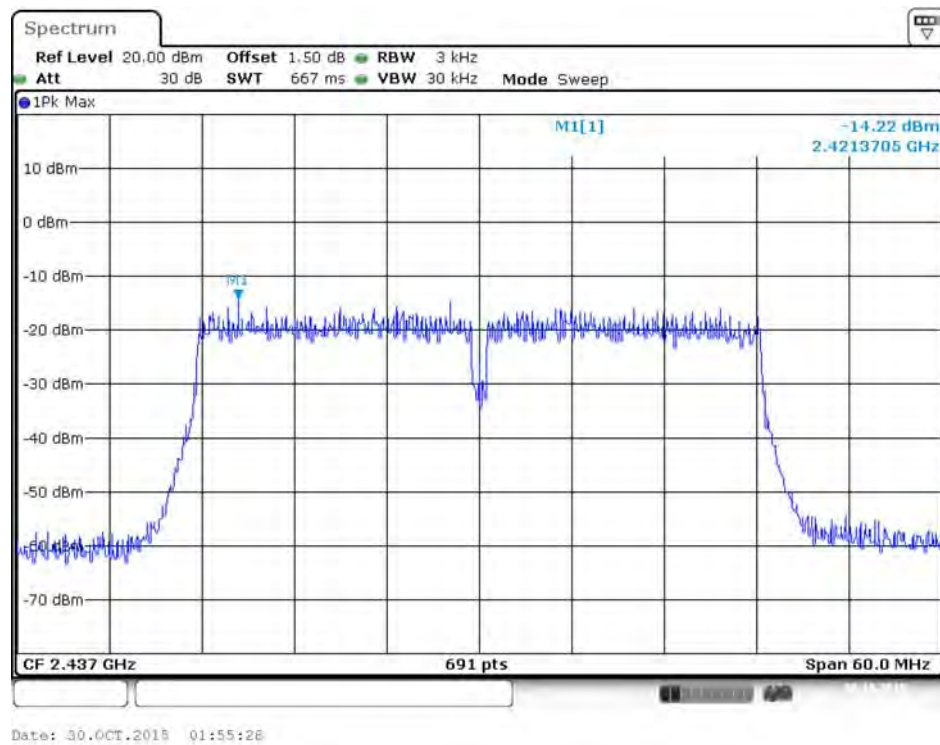
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



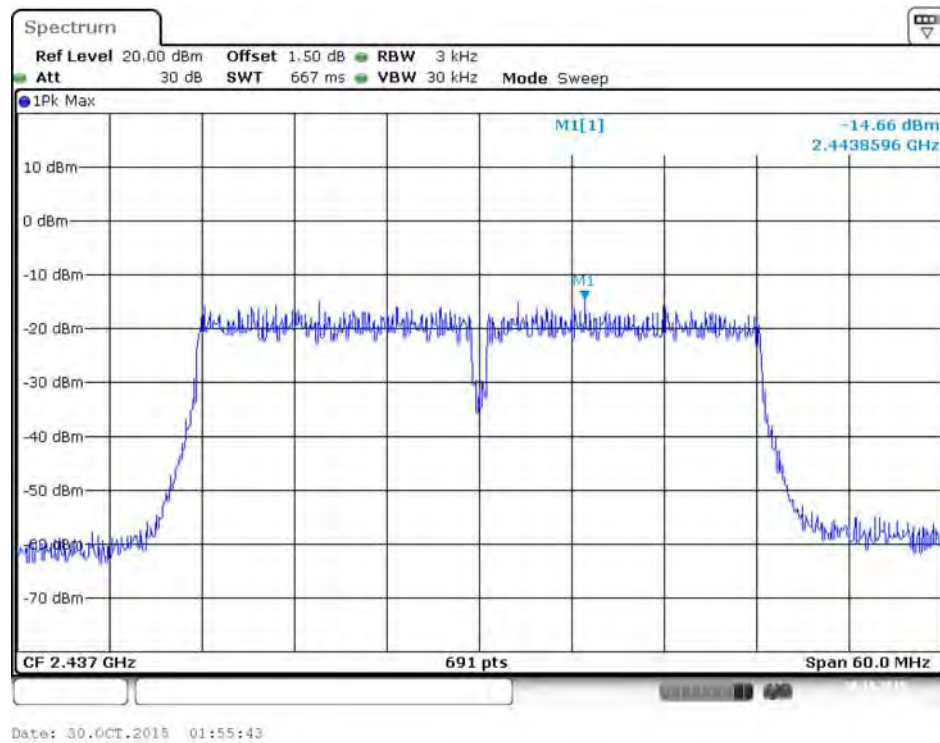
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



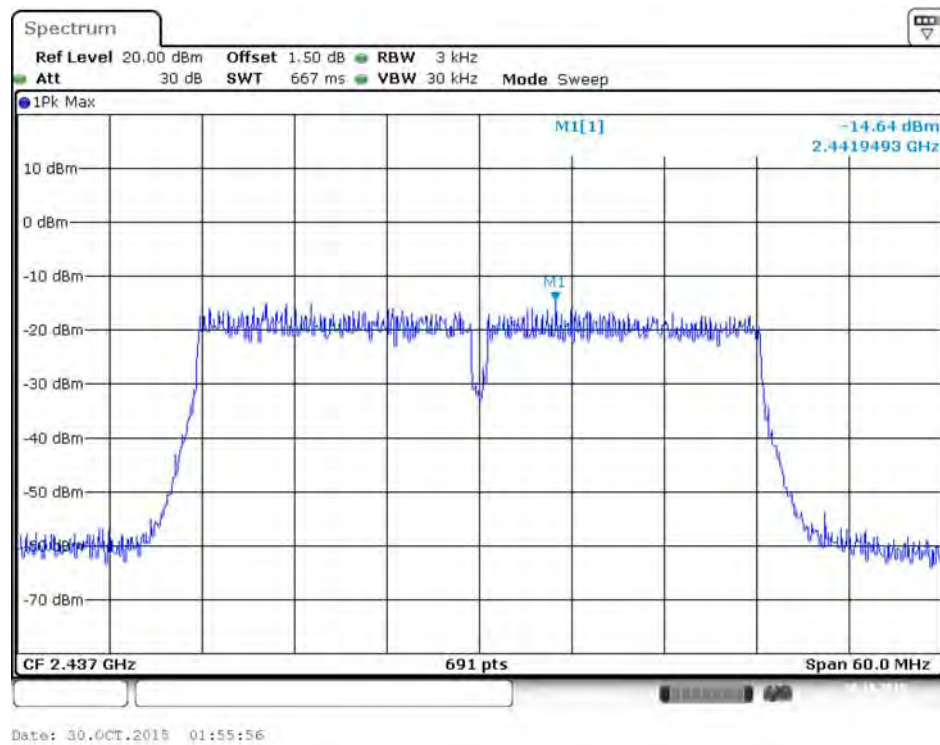
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3

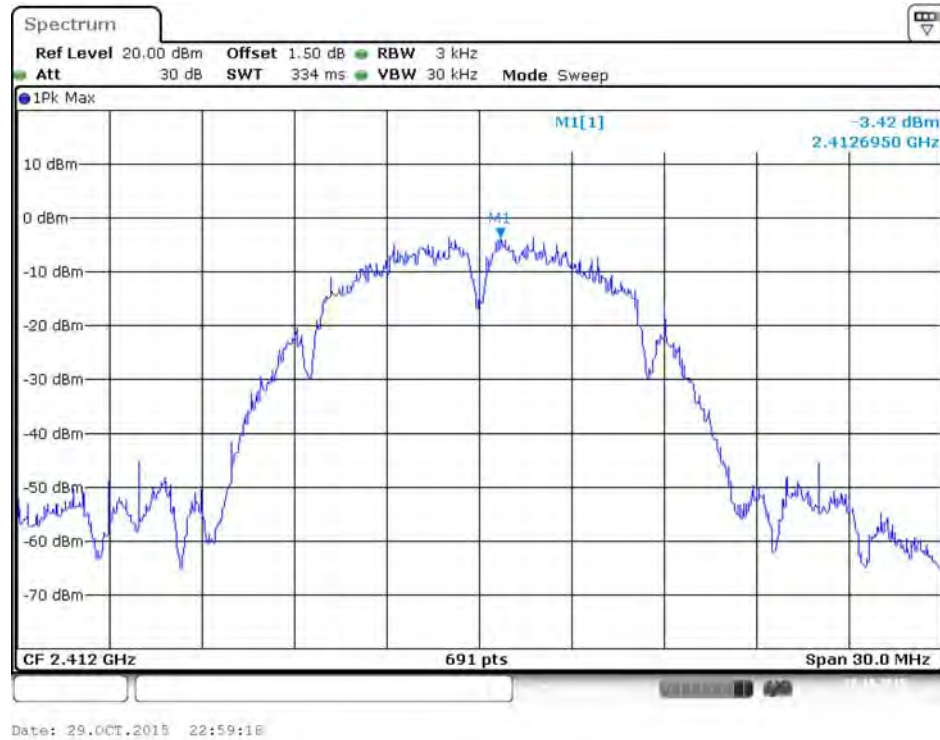


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4

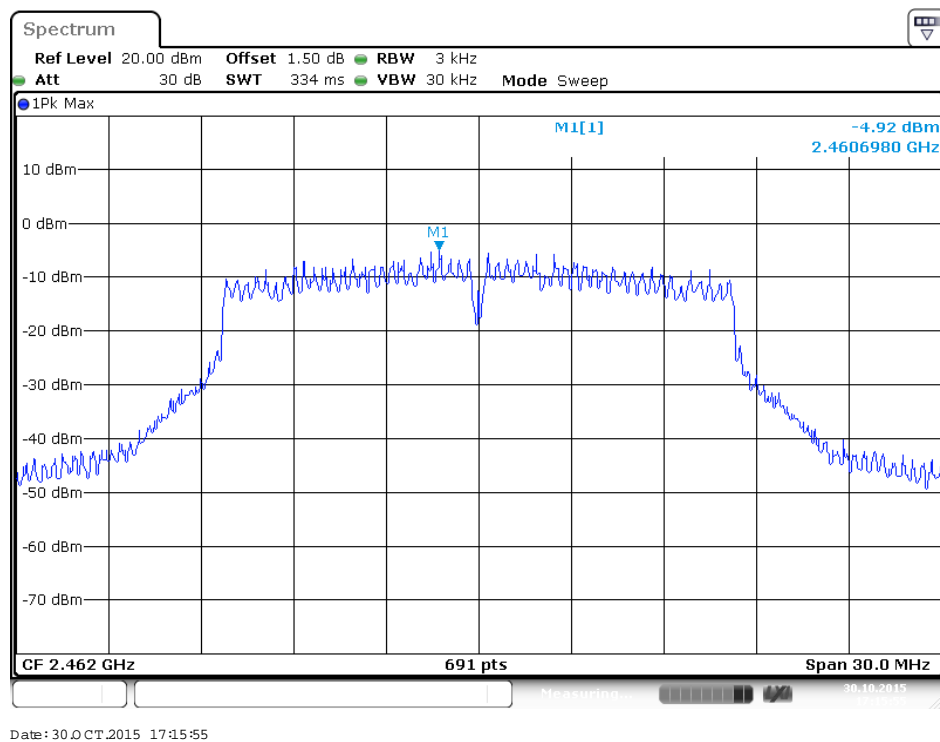


Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)

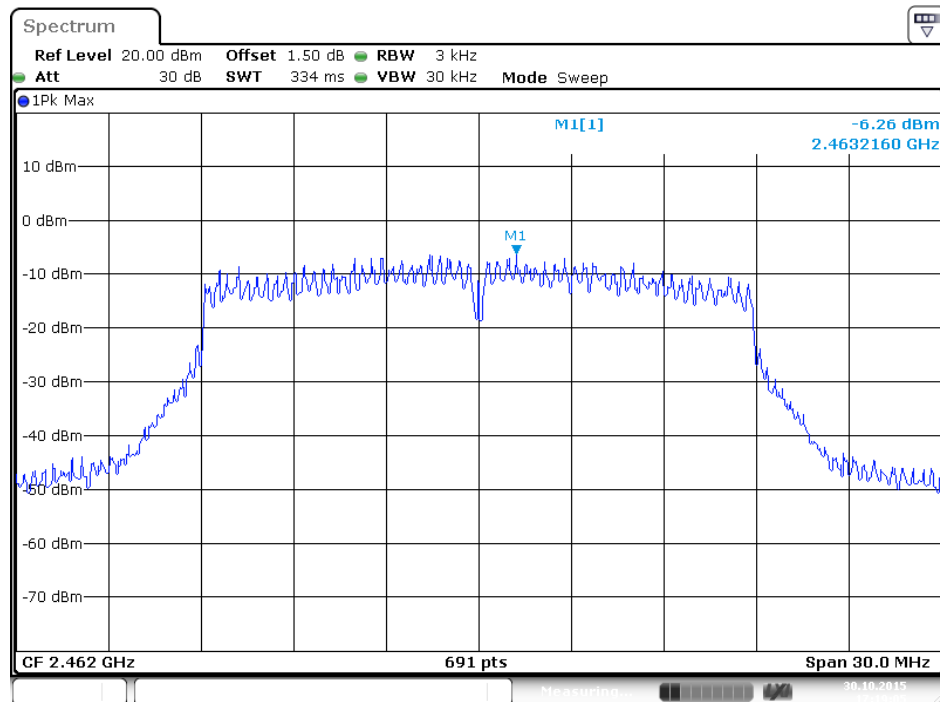
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1

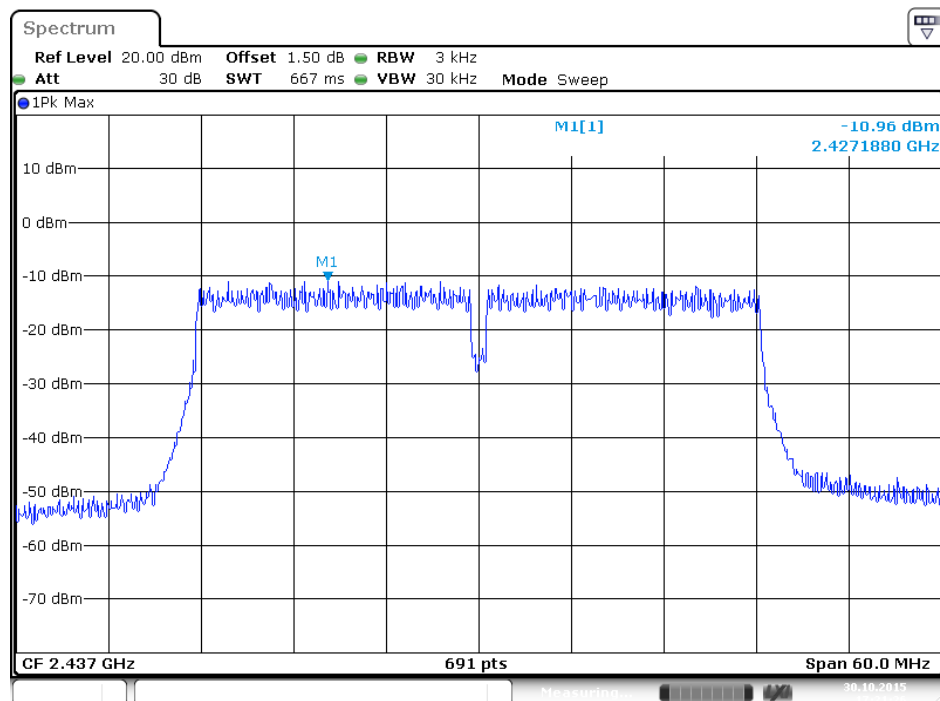


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



Date: 30.OCT.2015 17:19:06

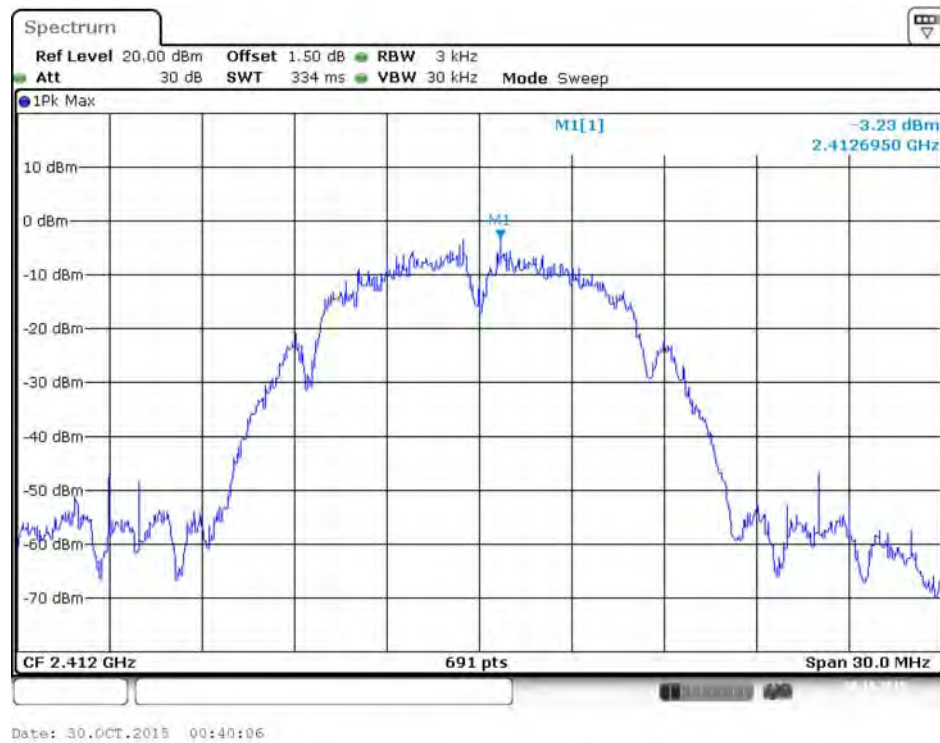
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



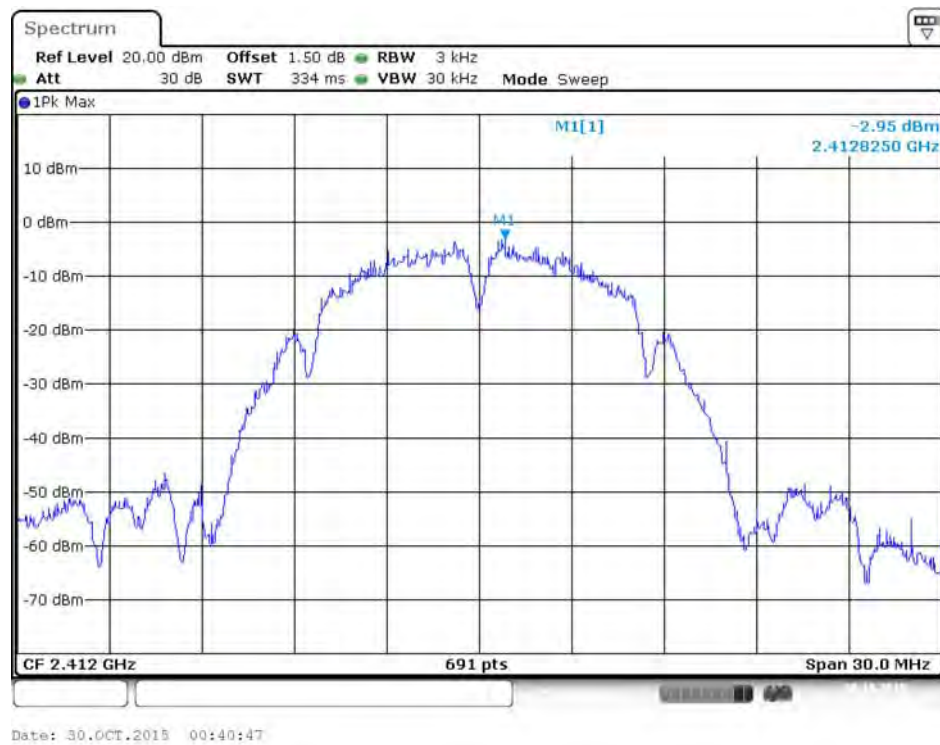
Date: 30.OCT.2015 17:21:26

Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)

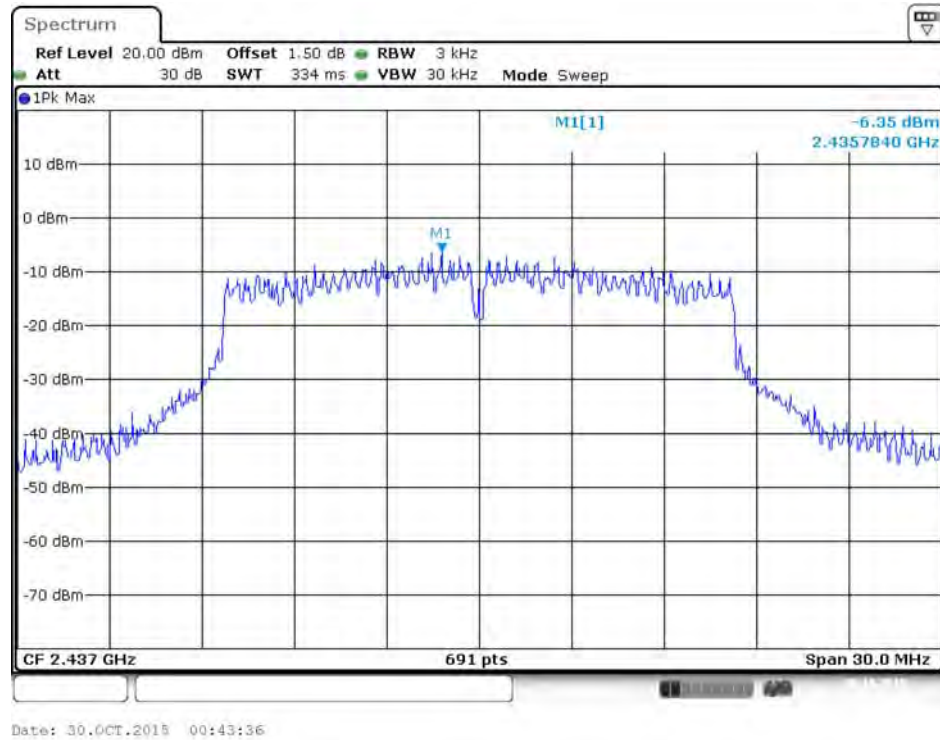
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



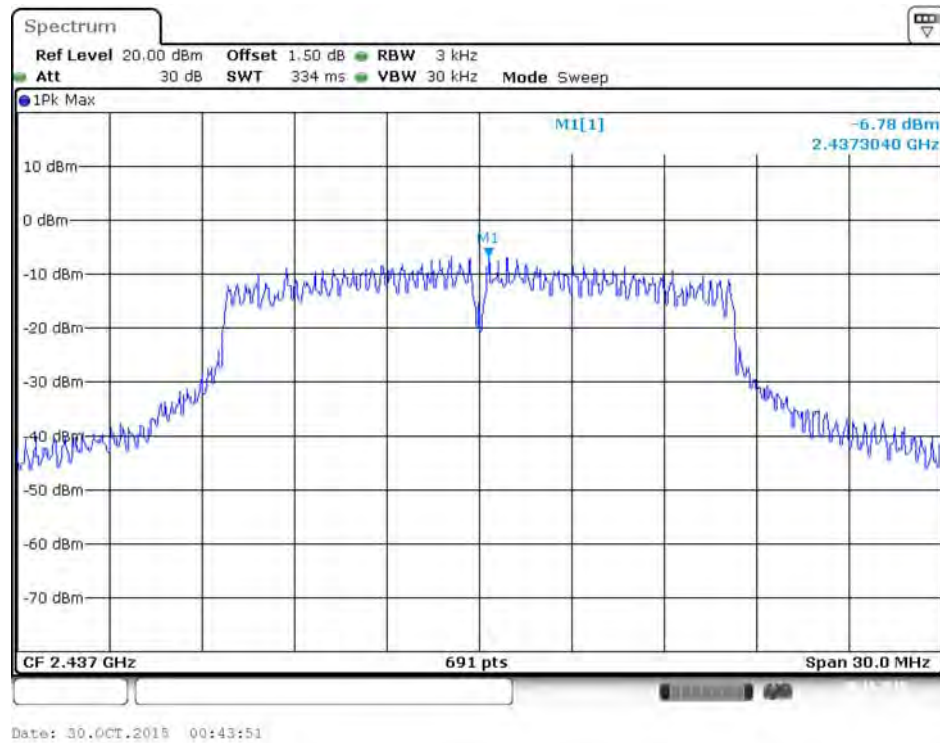
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



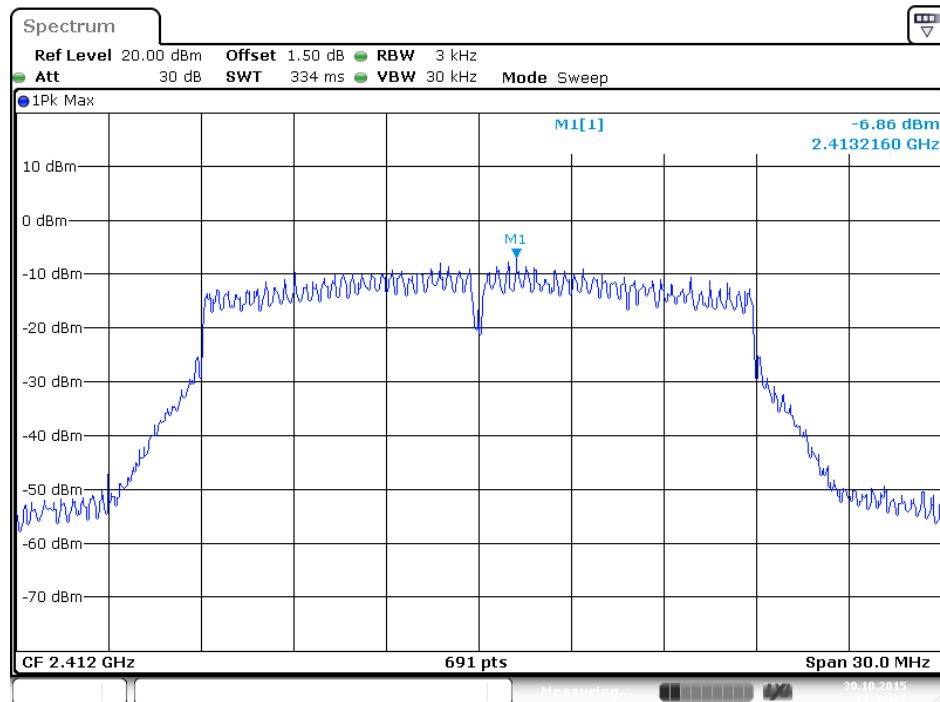
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2

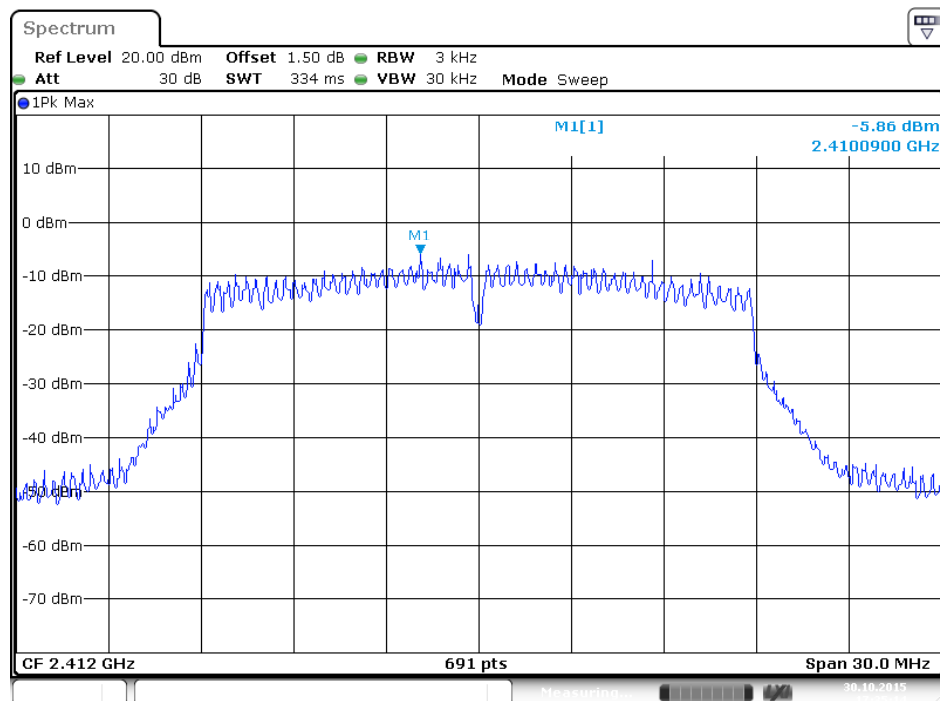


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



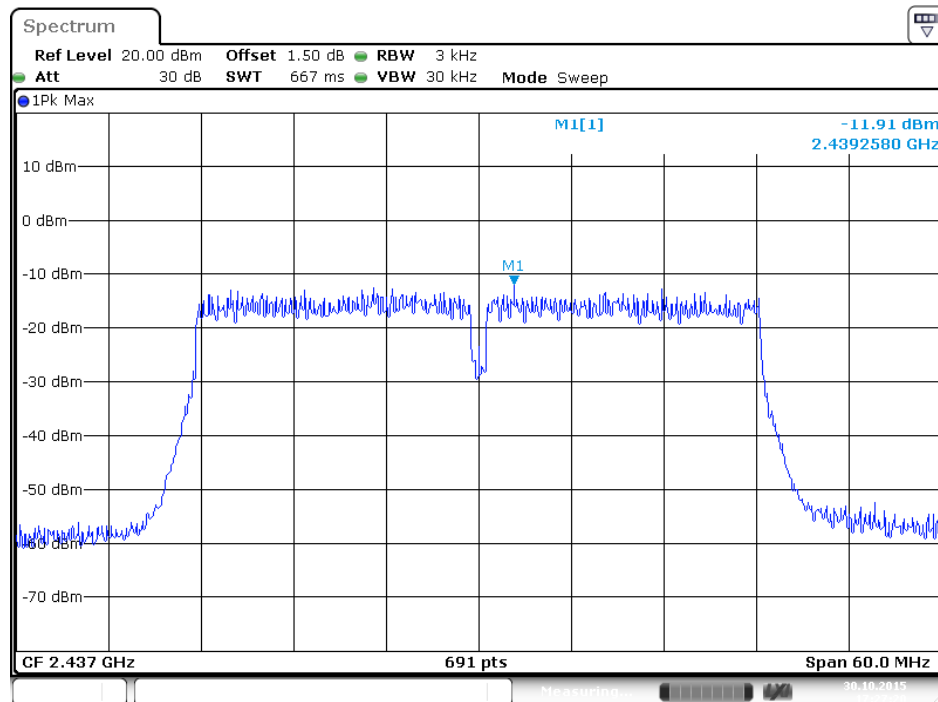
Date: 30.OCT.2015 17:34:32

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 2



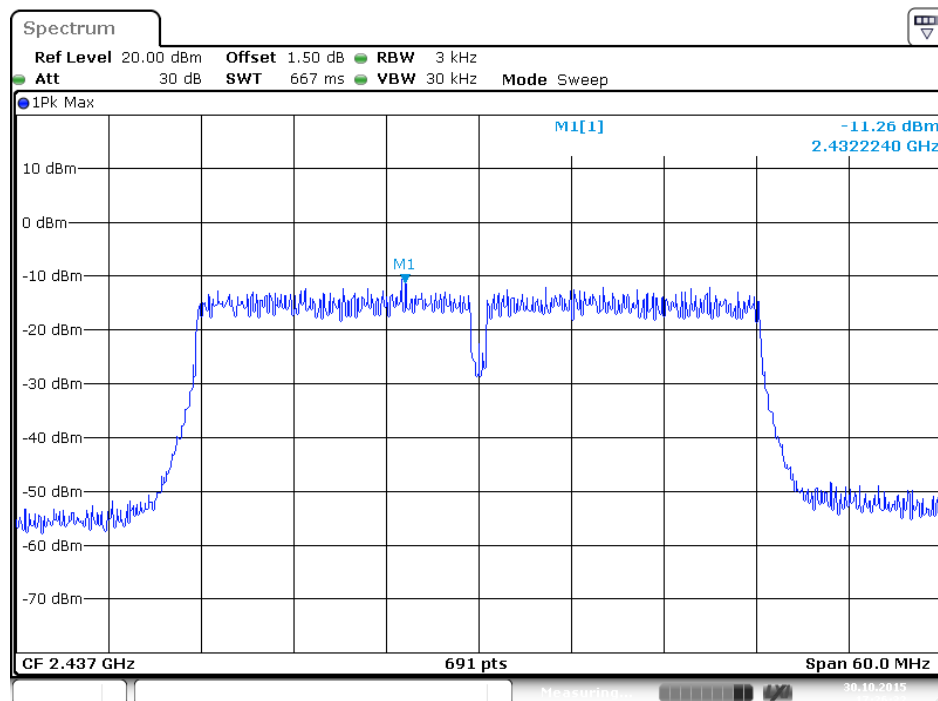
Date: 30.OCT.2015 17:35:14

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Date: 30.OCT.2015 17:27:20

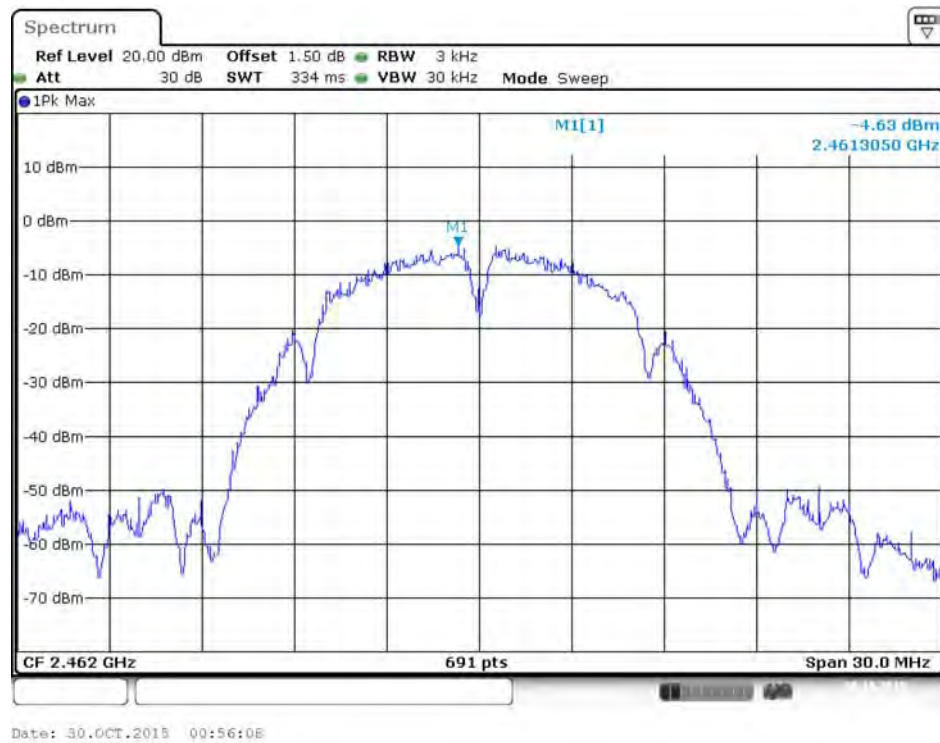
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



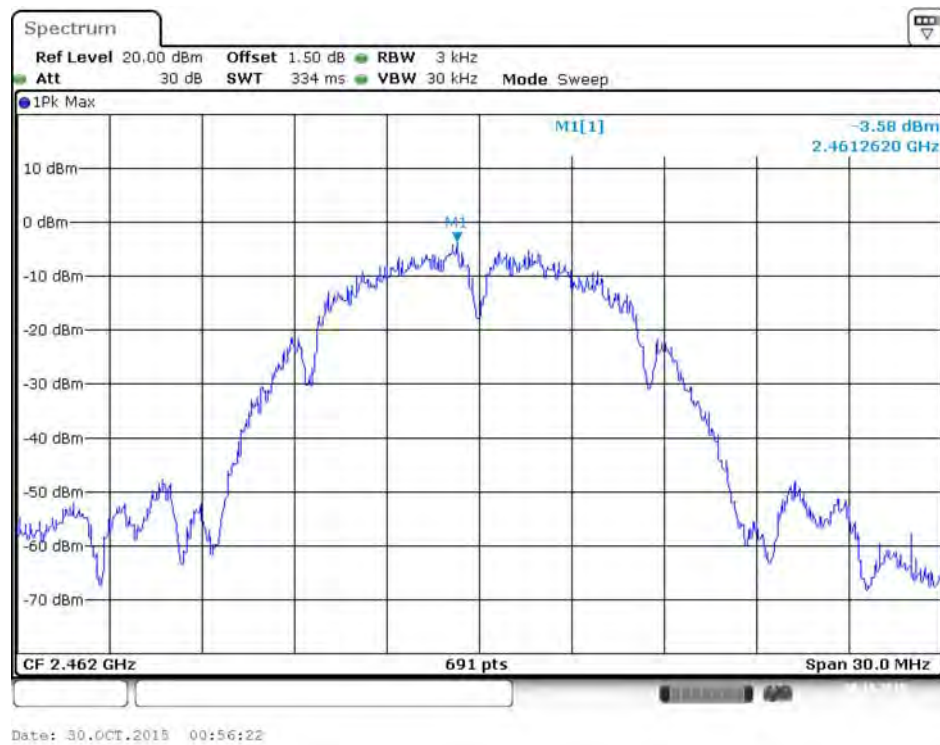
Date: 30.OCT.2015 17:26:31

Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2

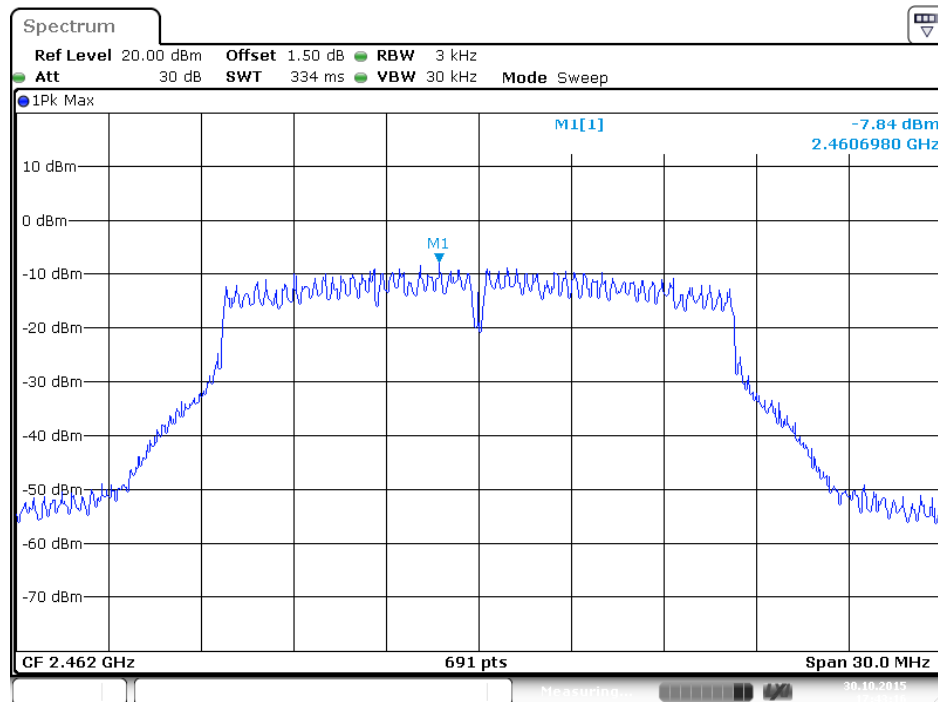


Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



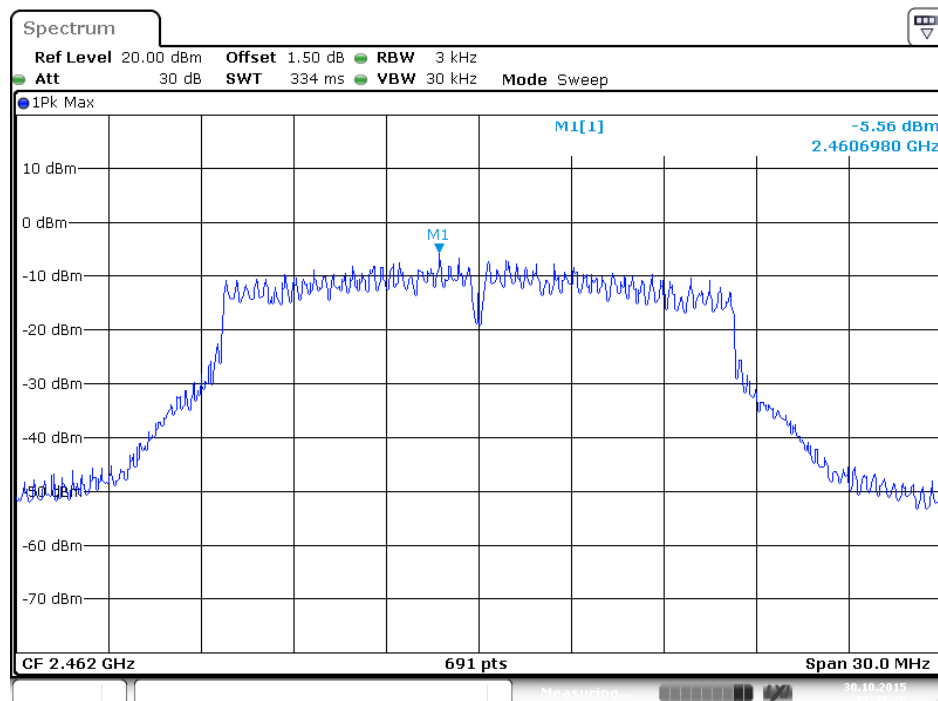
Date: 30.OCT.2015 00:56:36

Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



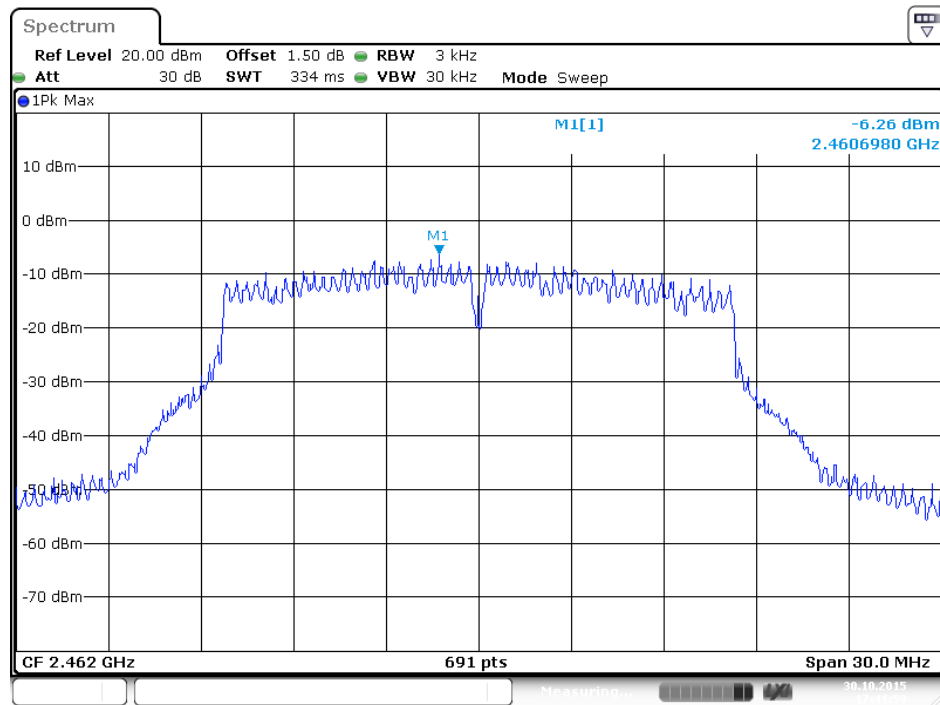
Date: 30.OCT.2015 17:43:16

Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 2



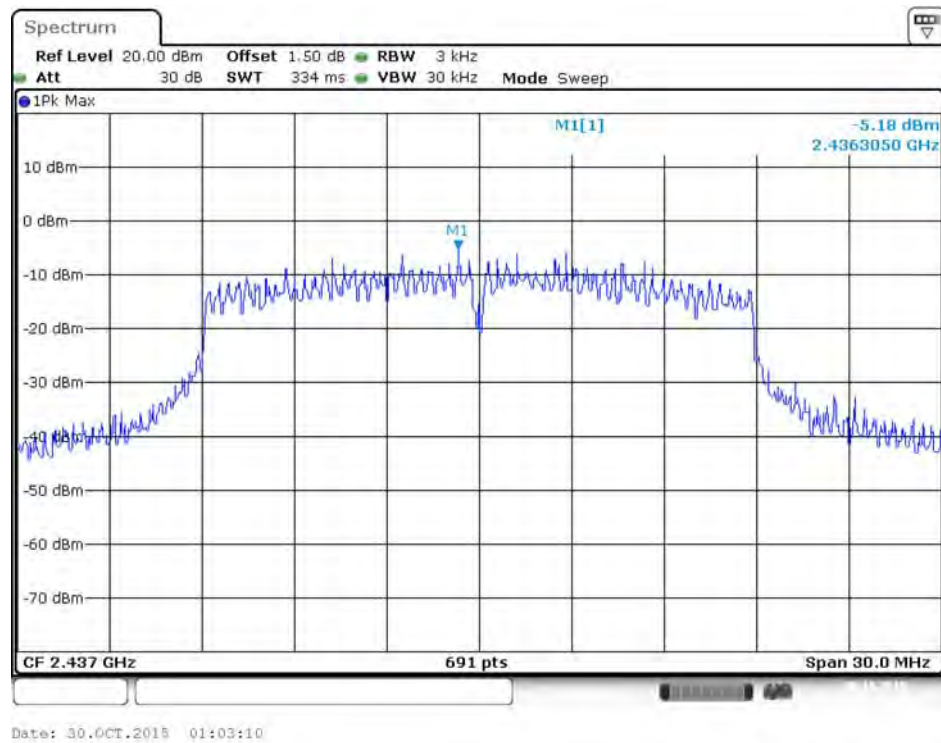
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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 3

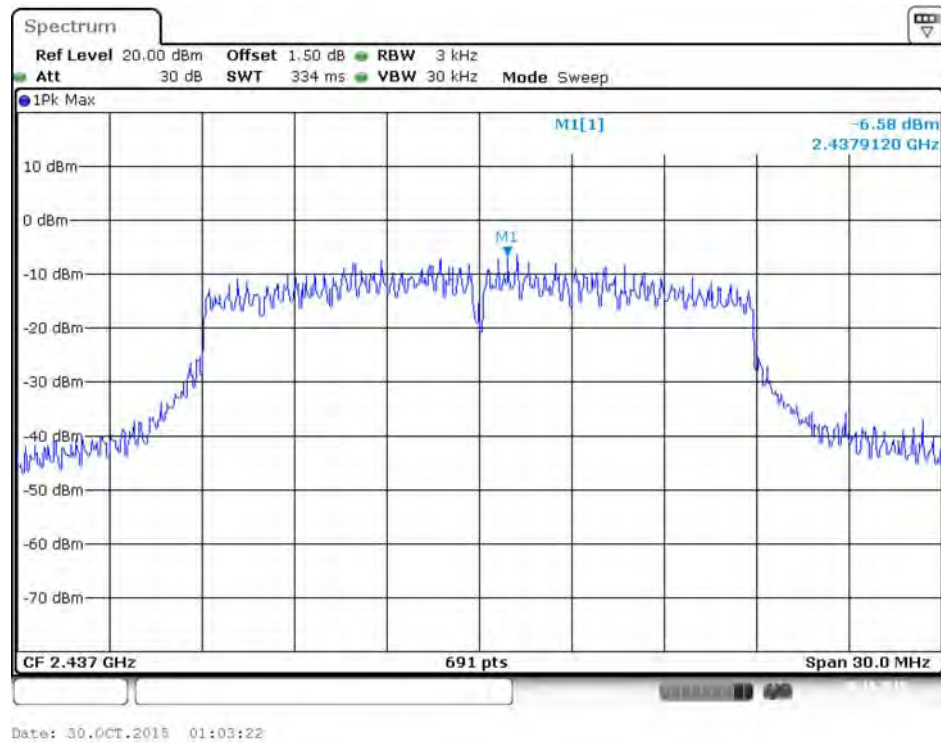


Date: 30.OCT.2015 17:41:59

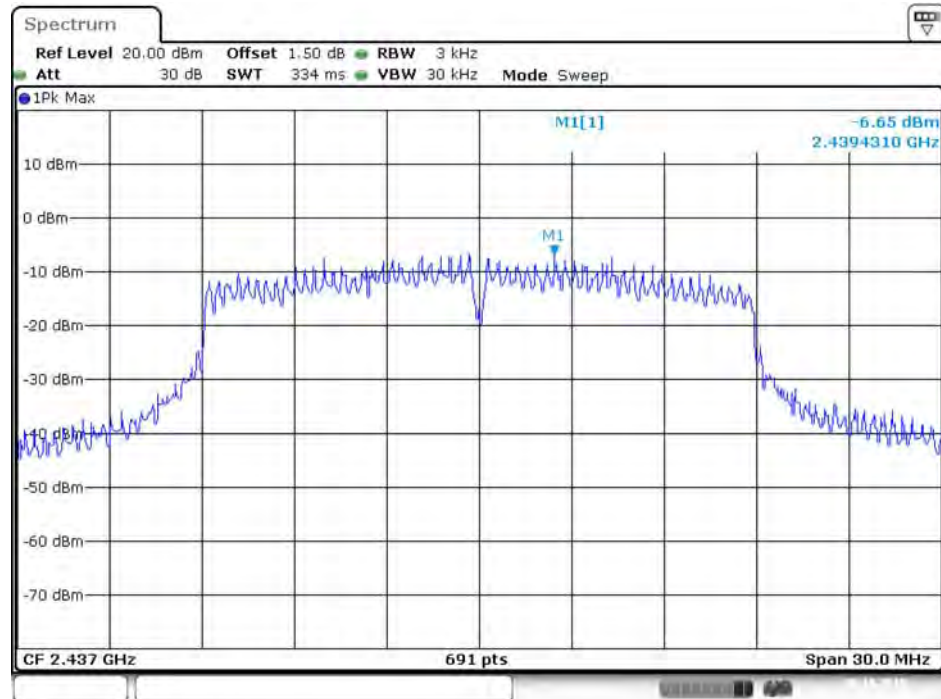
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

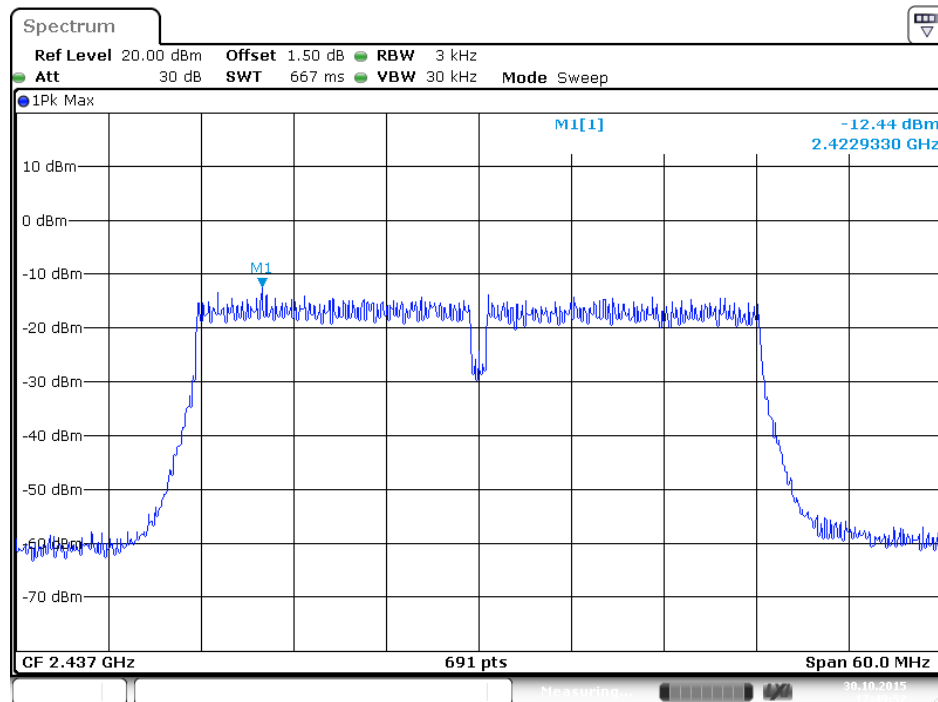


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



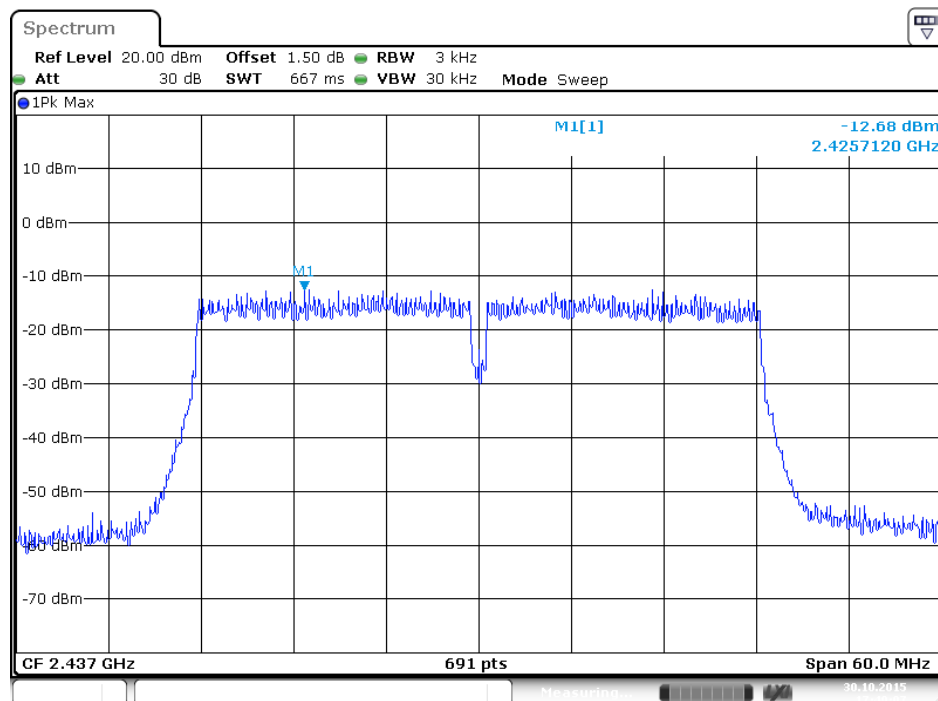
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



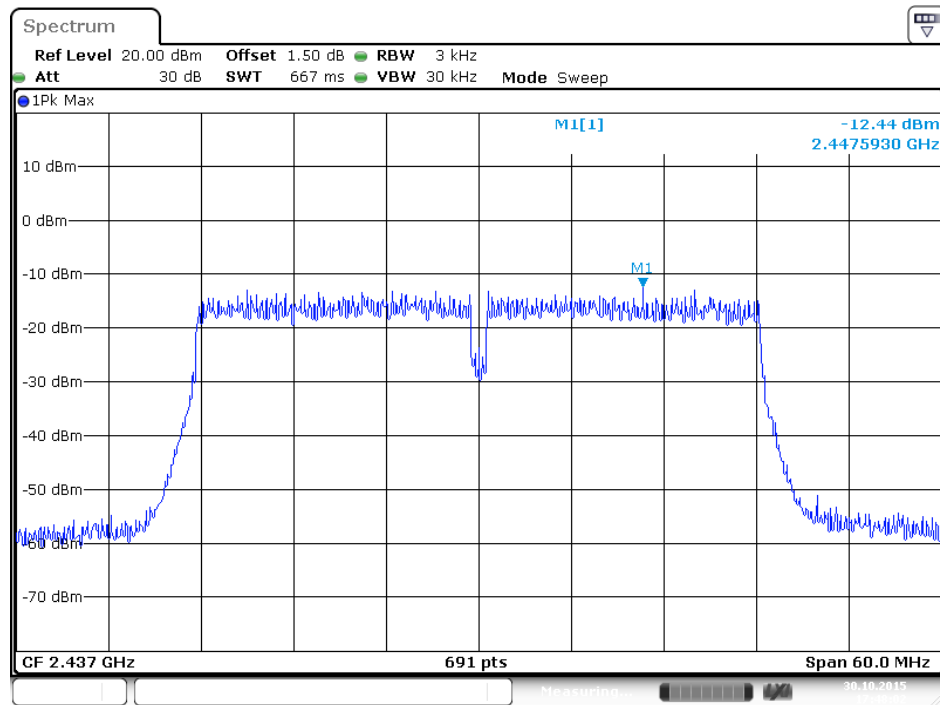
Date: 30.OCT.2015 17:49:52

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Date: 30.OCT.2015 17:49:08

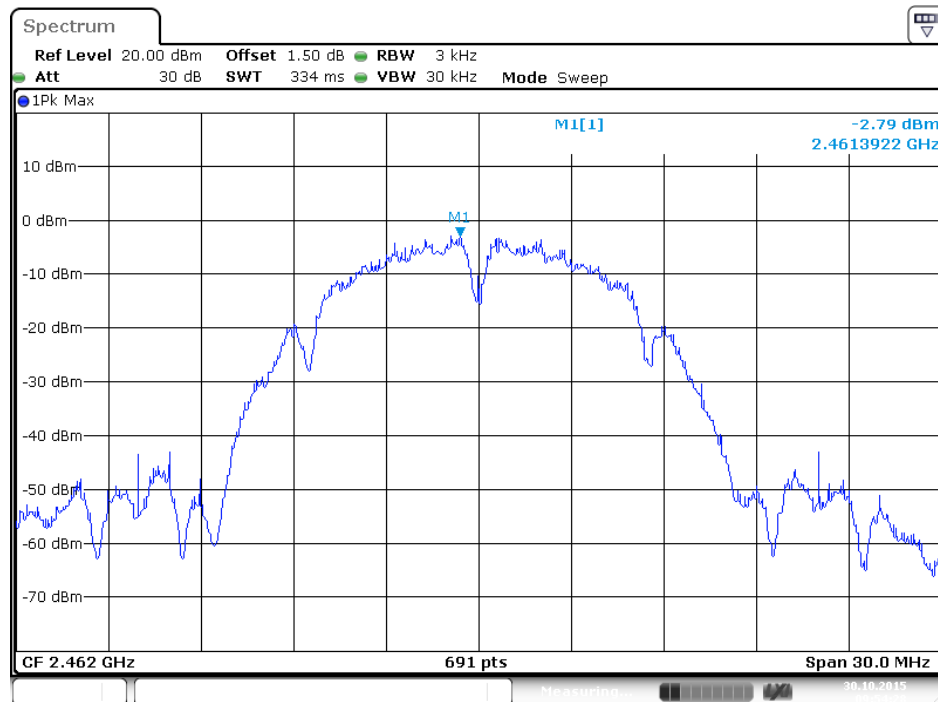
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



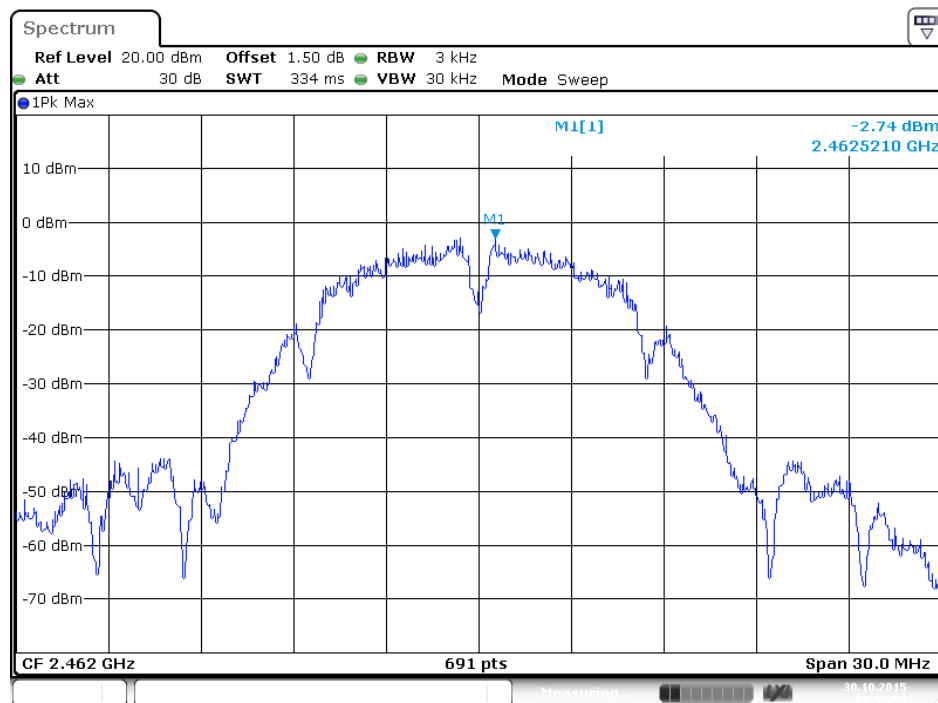
Date: 30.OCT.2015 17:48:03

Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

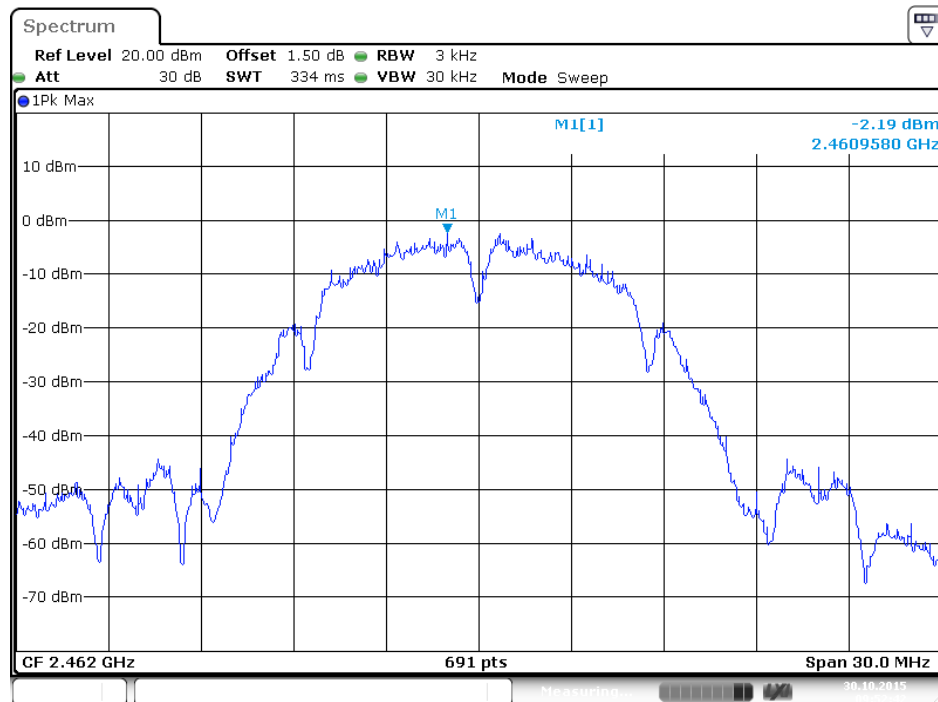
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2

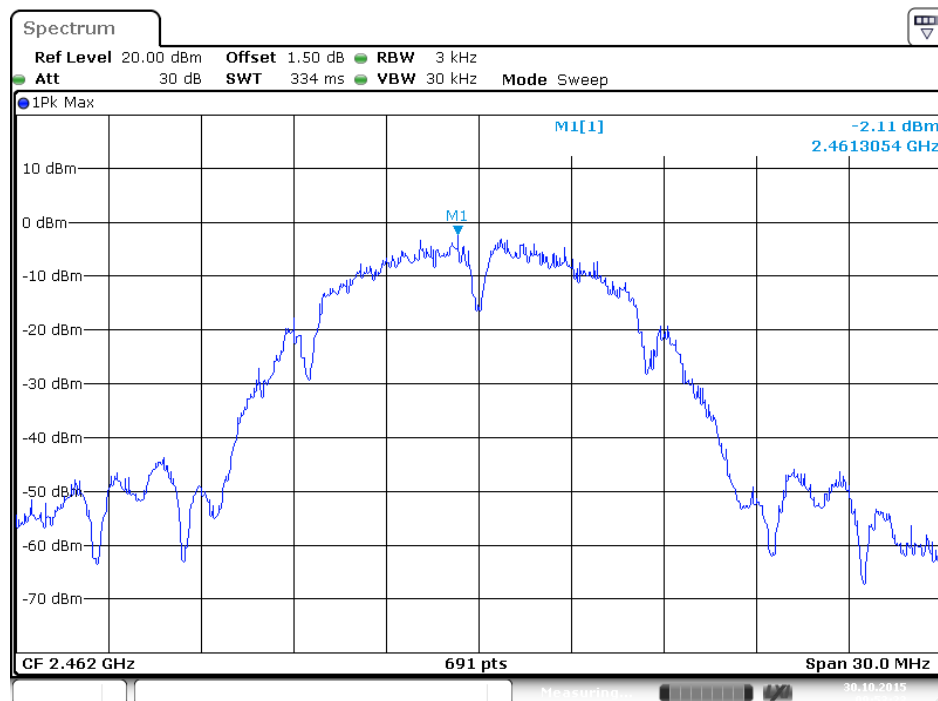


Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



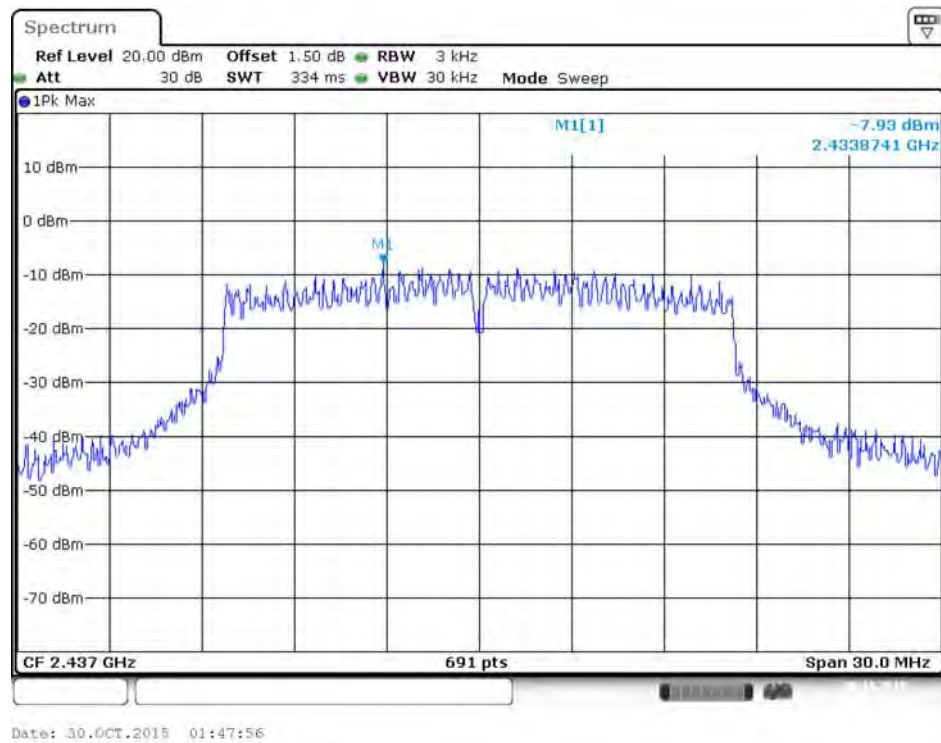
Date: 30.OCT.2015 09:52:42

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 4

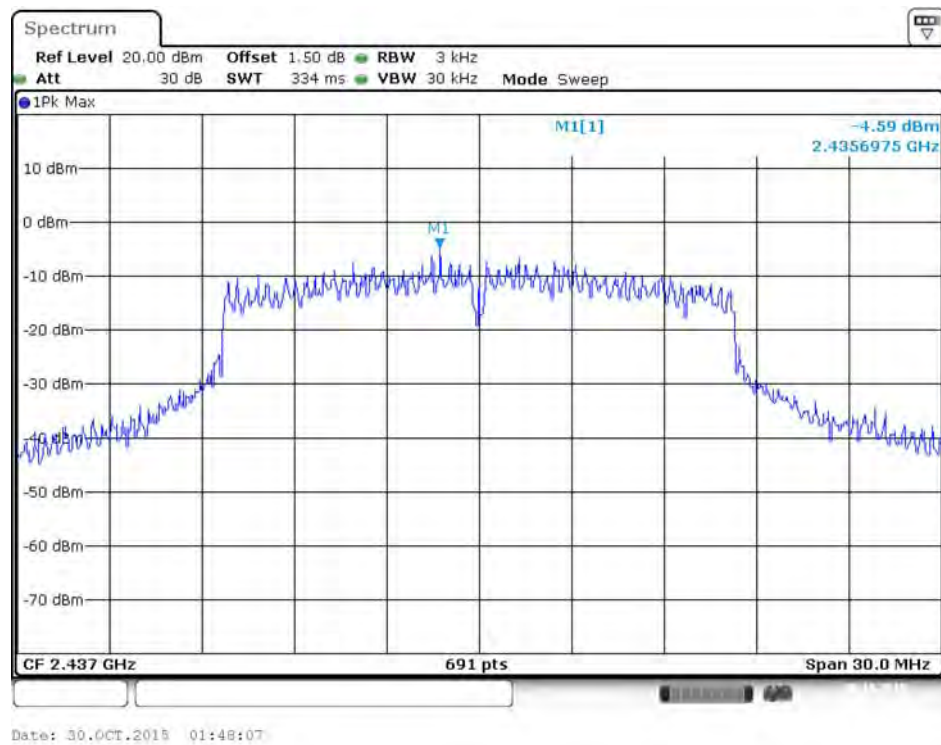


Date: 30.OCT.2015 09:53:22

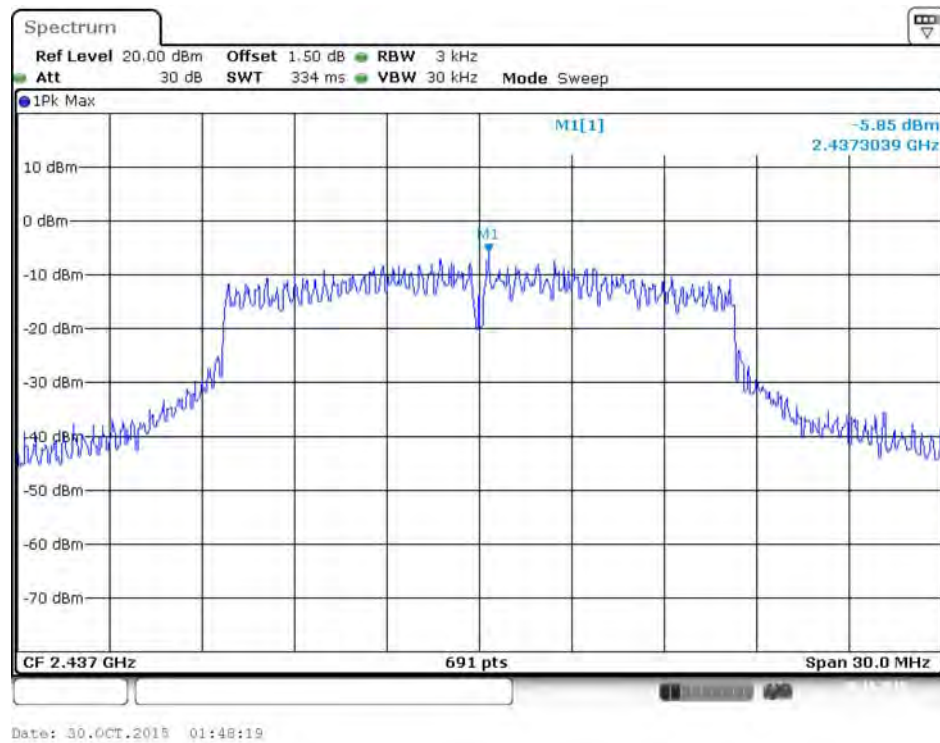
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



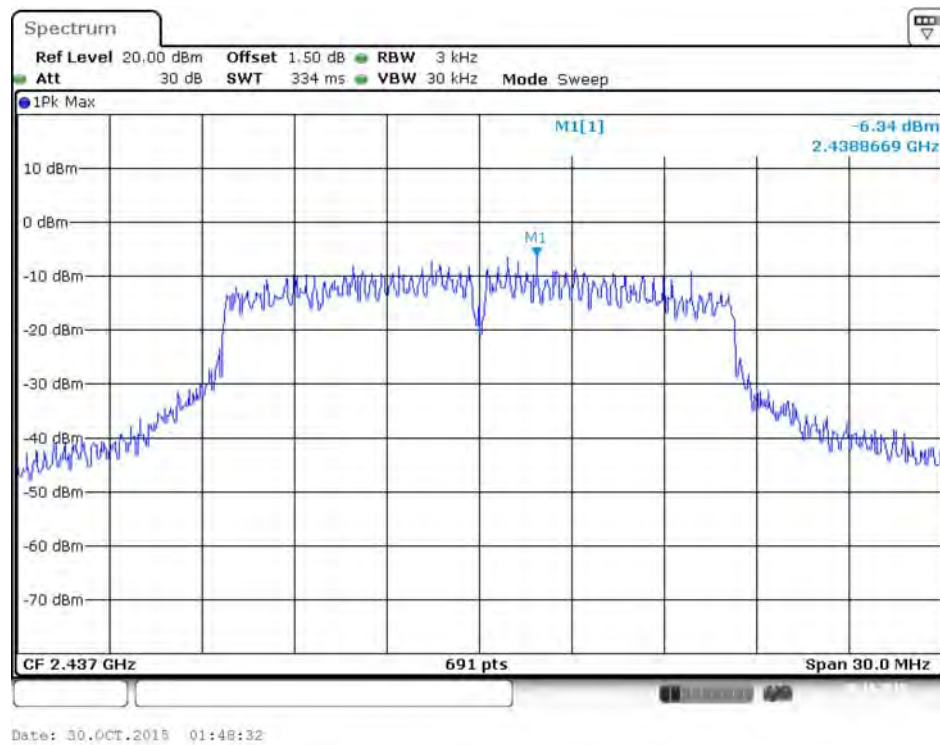
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



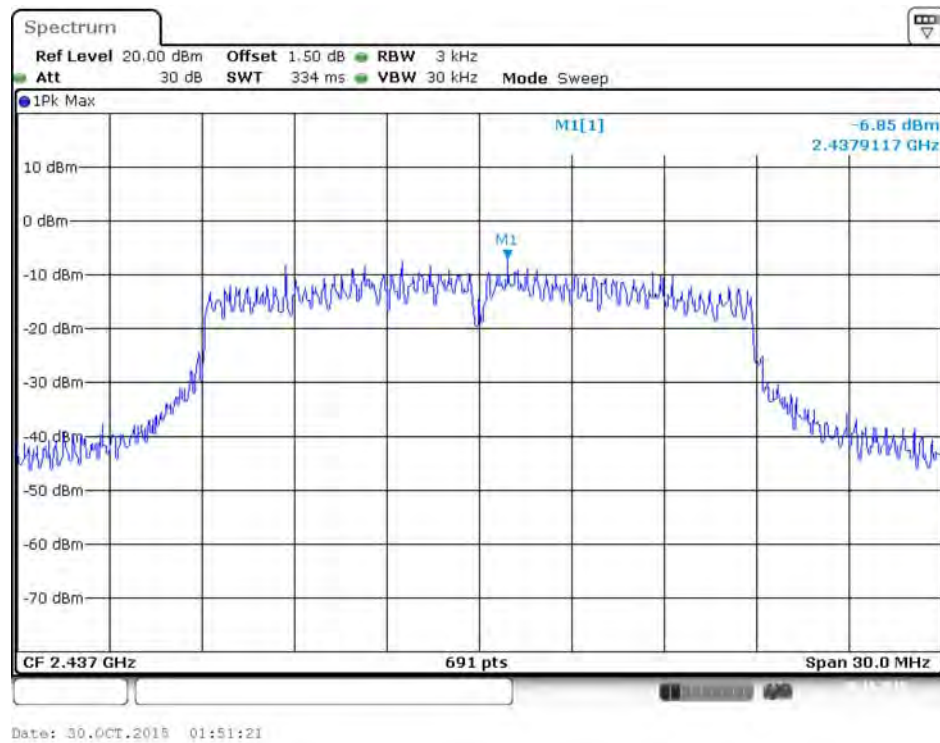
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



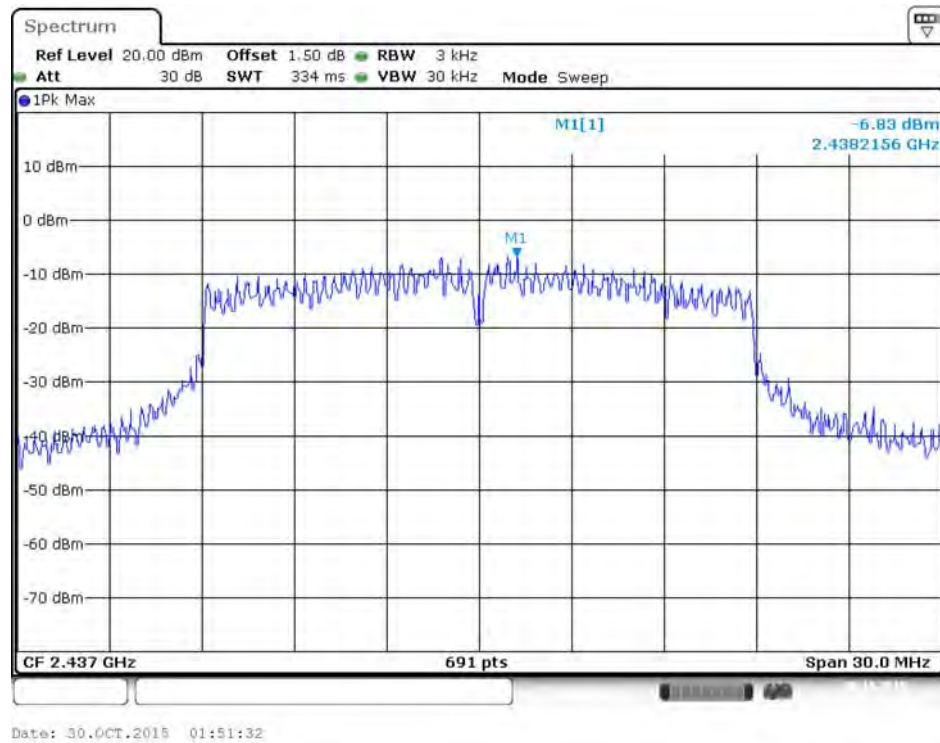
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



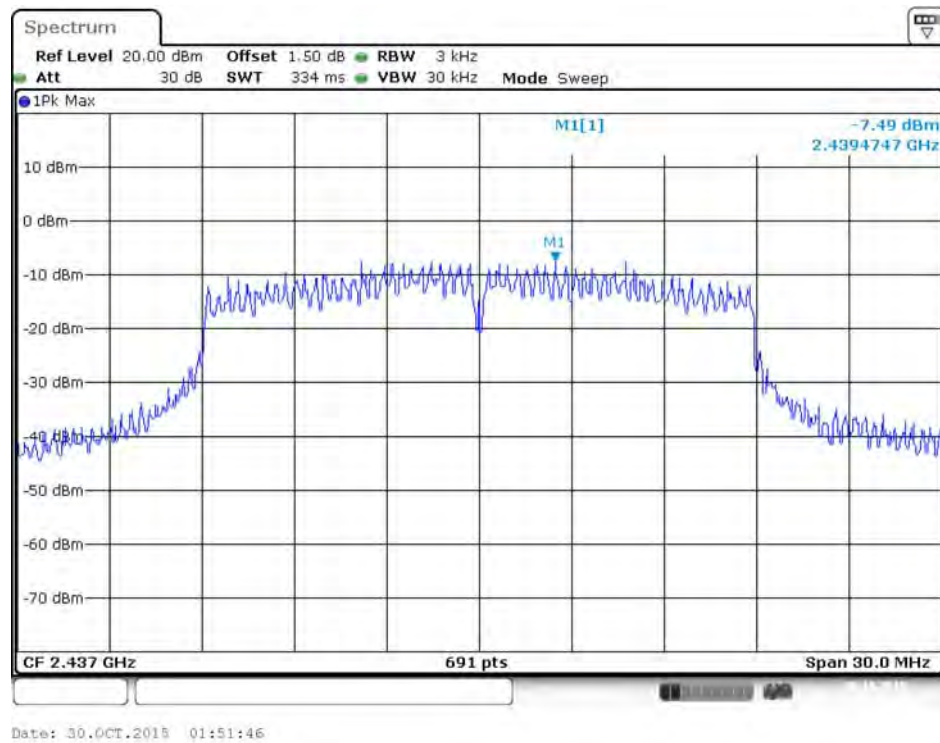
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



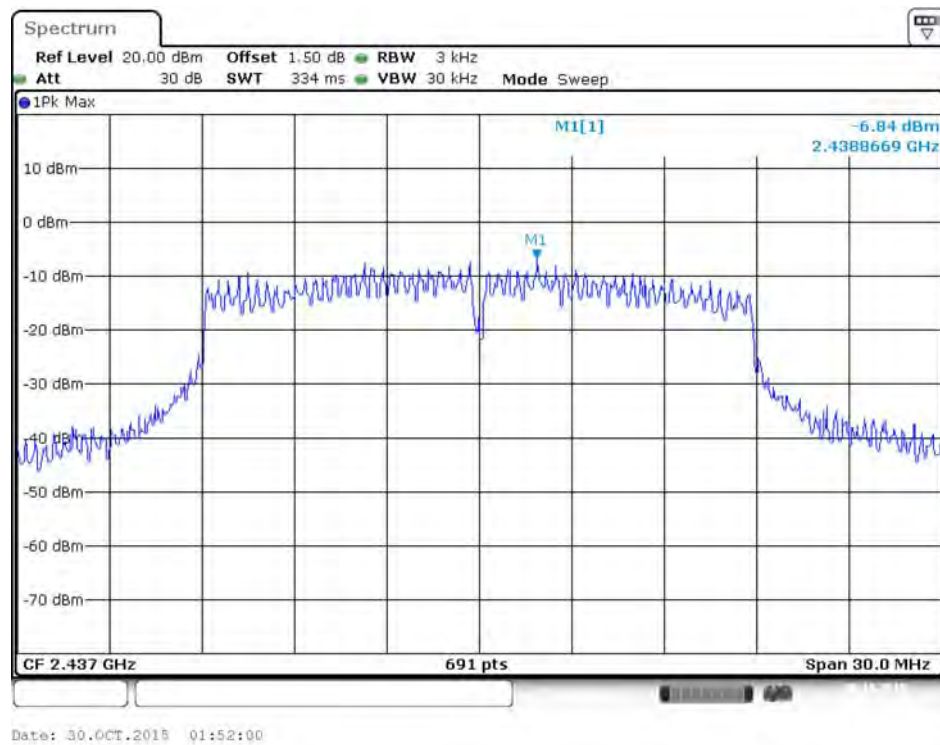
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



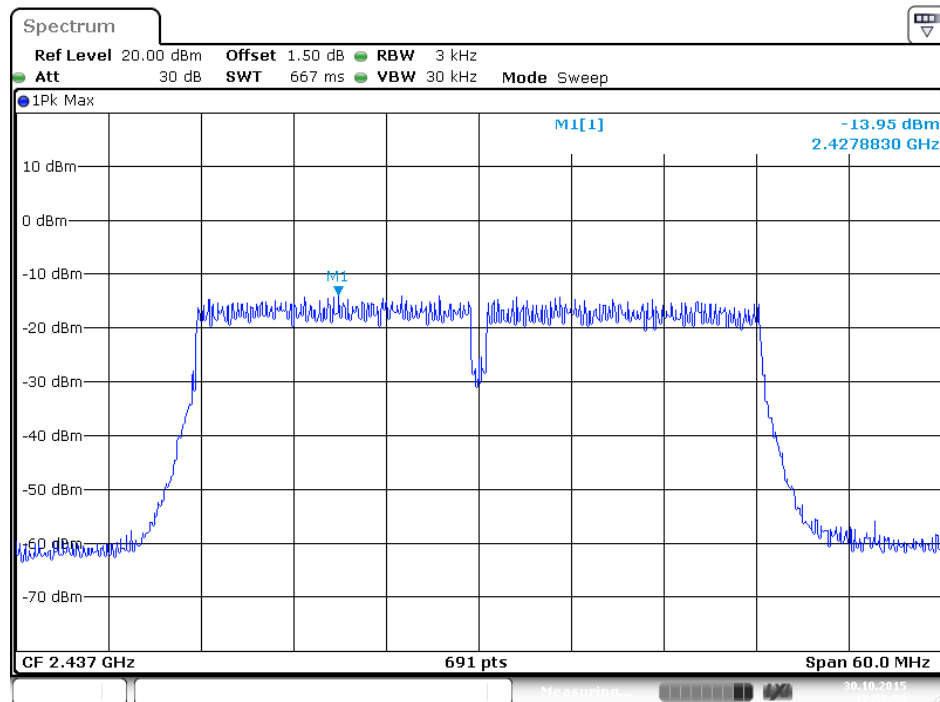
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4

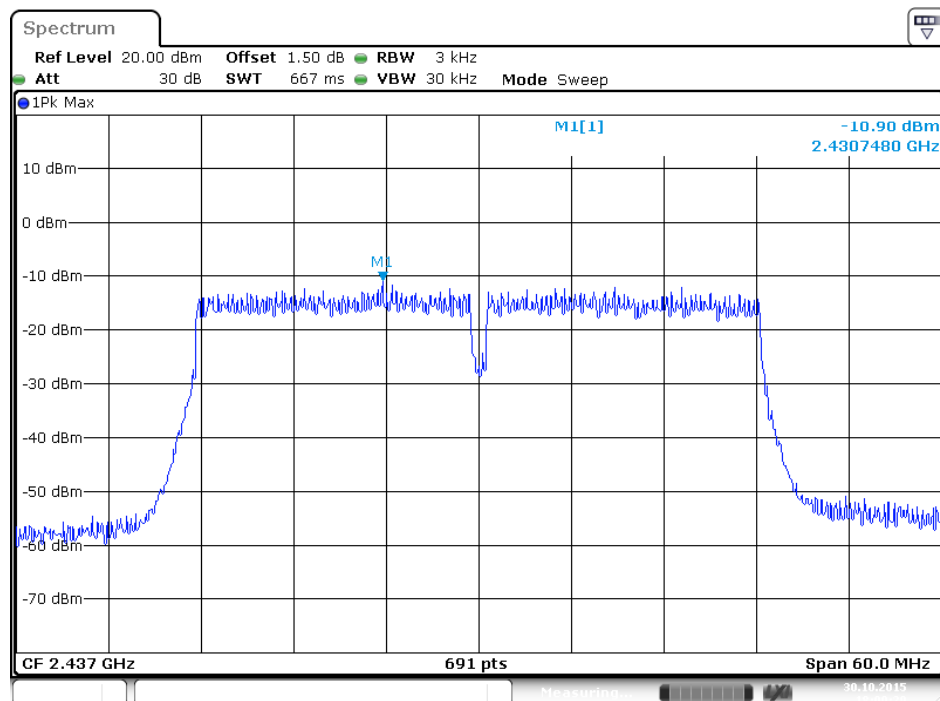


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



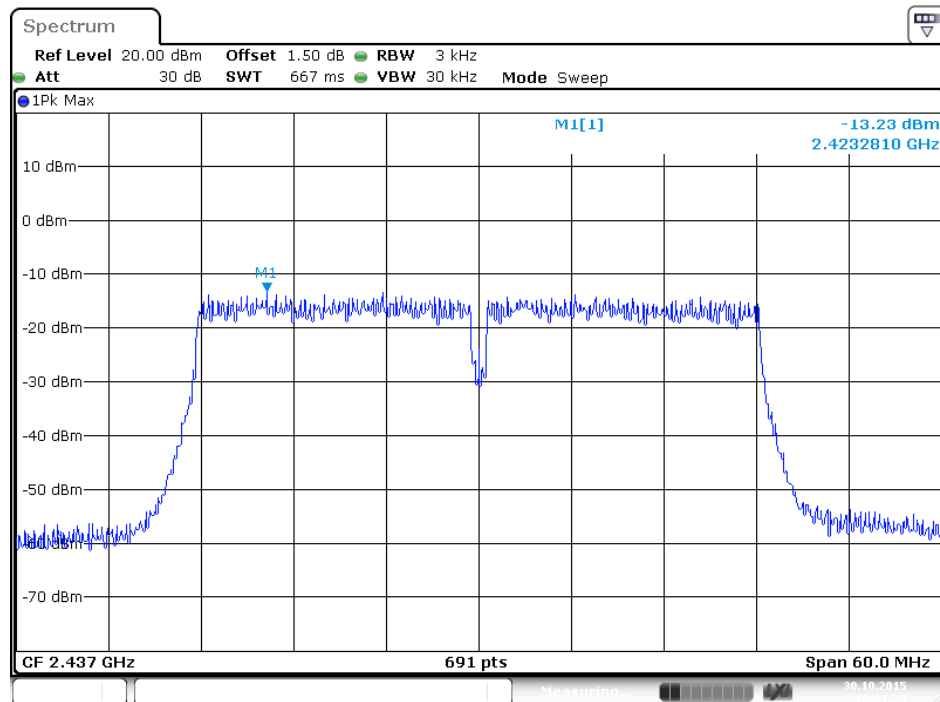
Date: 30.OCT.2015 17:57:50

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



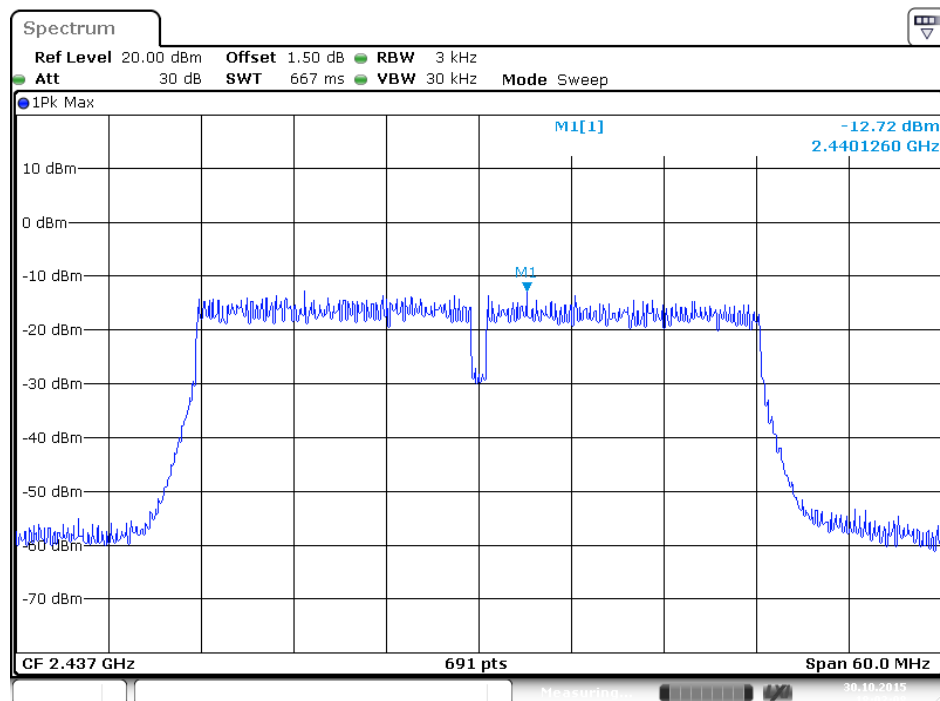
Date: 30.OCT.2015 18:00:29

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Date: 30.OCT.2015 18:01:28

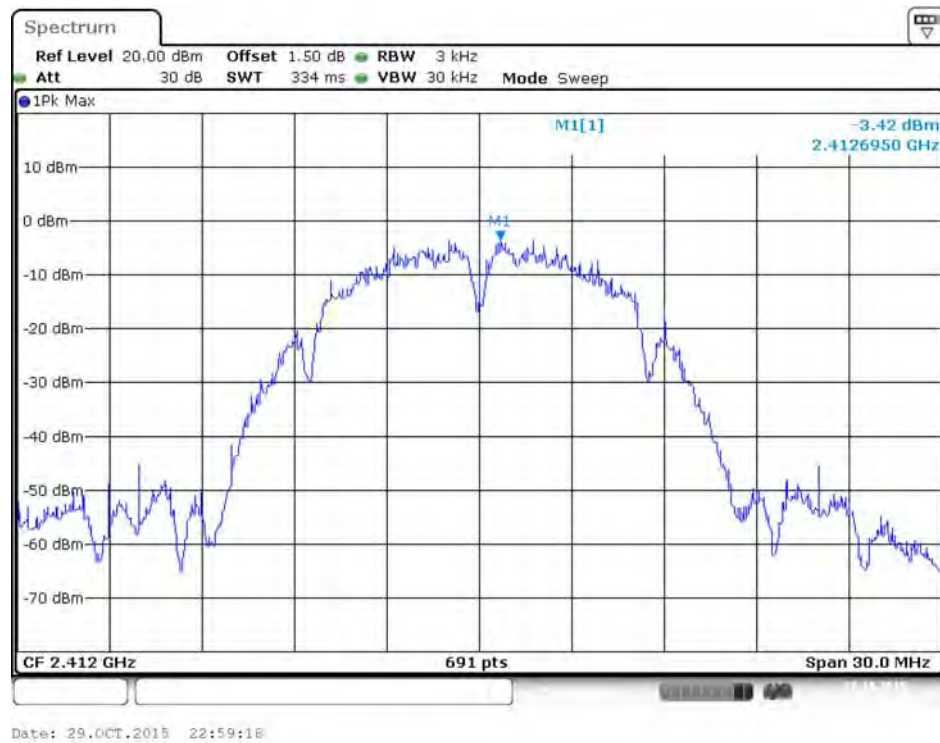
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



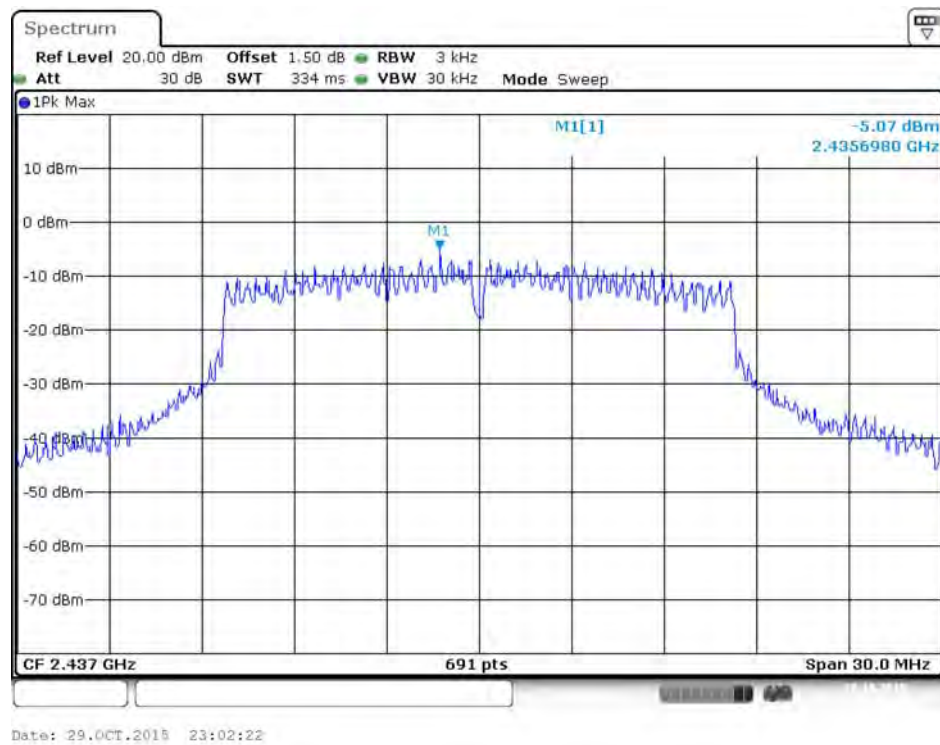
Date: 30.OCT.2015 18:02:09

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX)

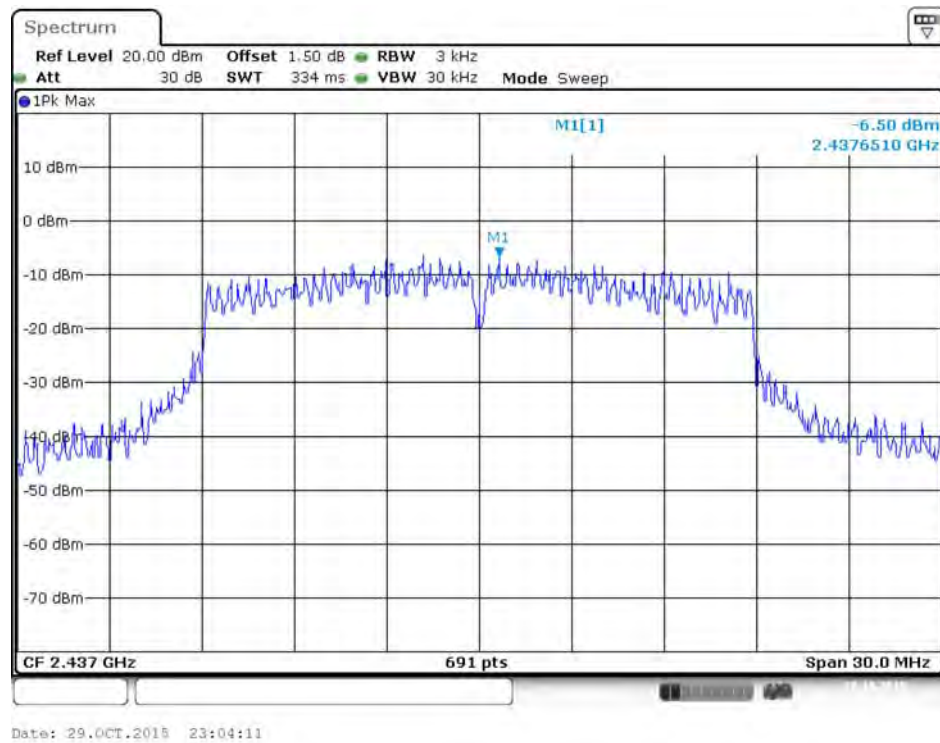
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



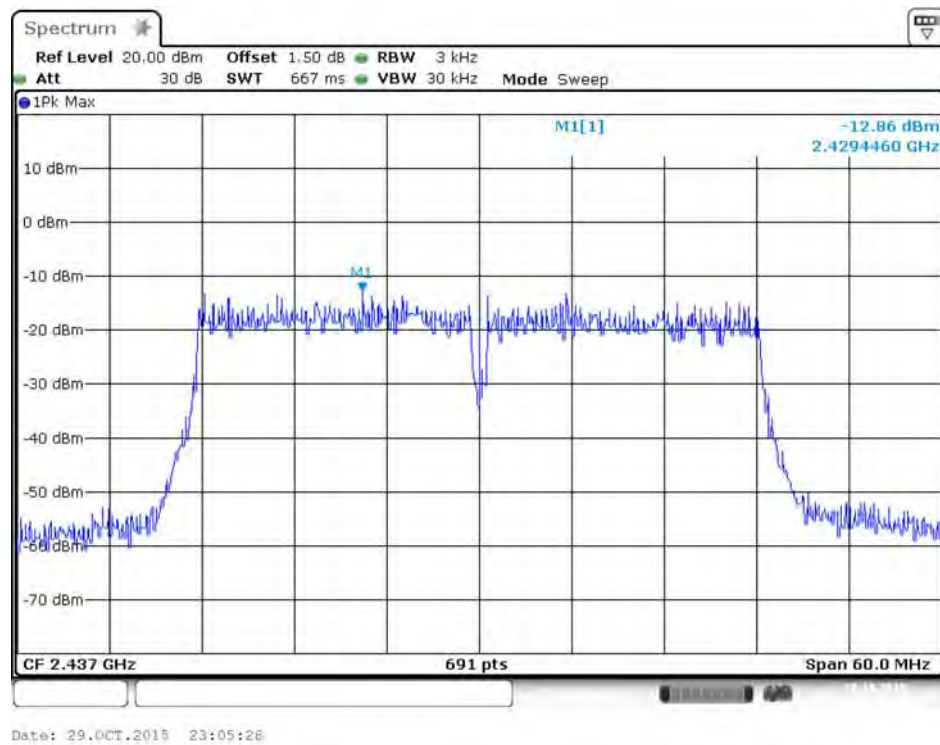
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1

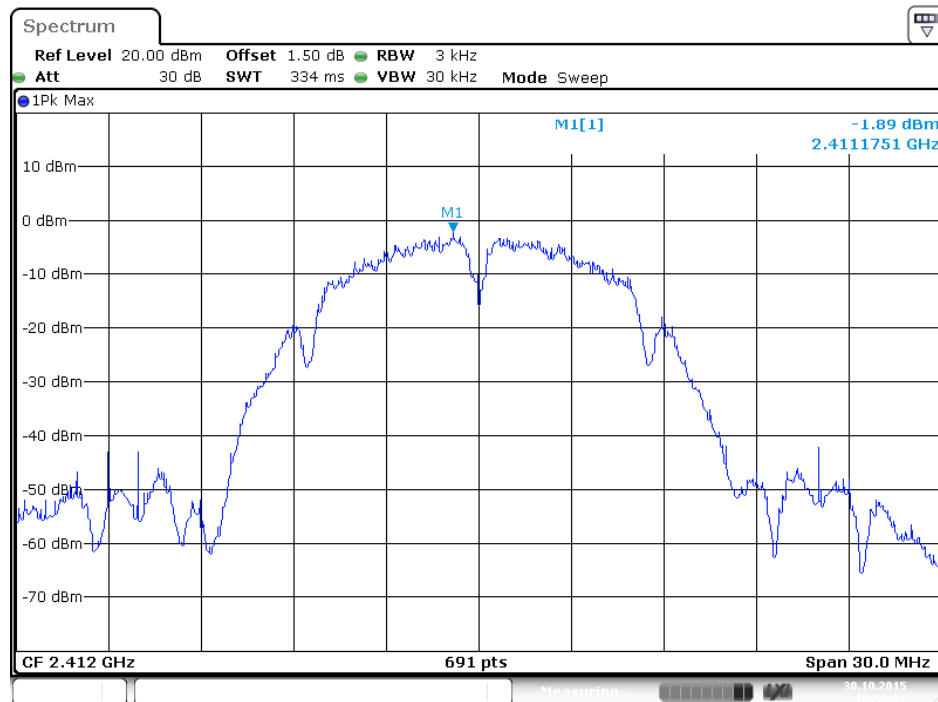


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



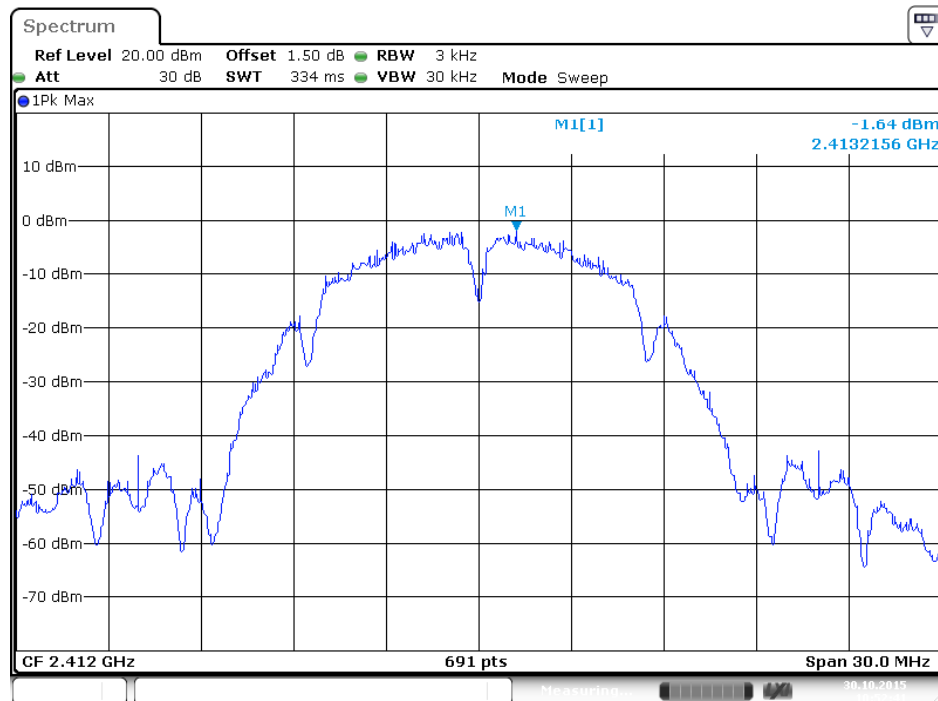
Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



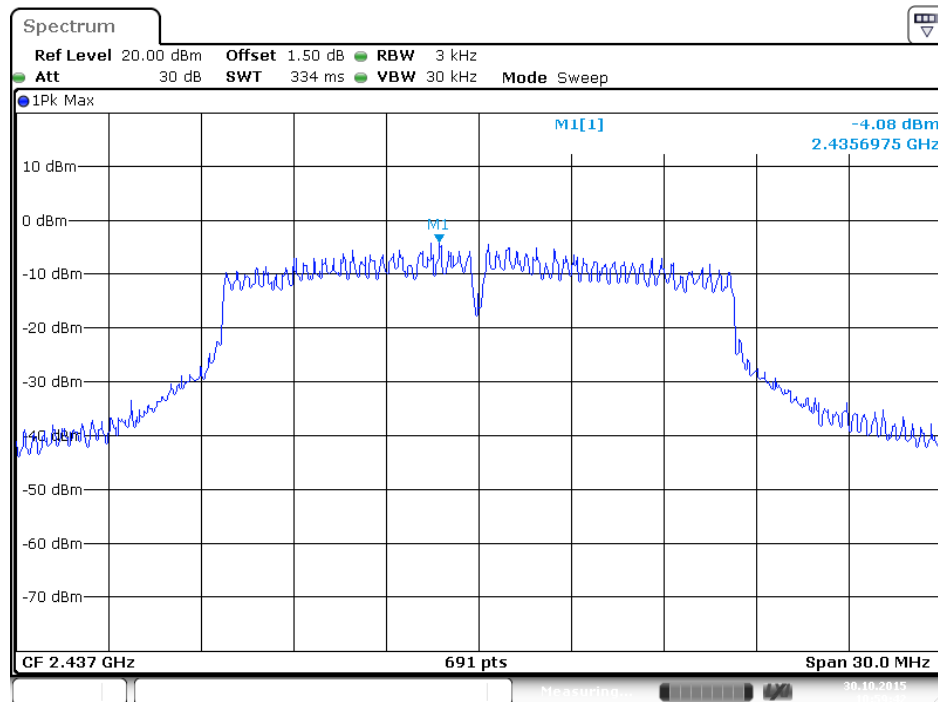
Date: 30.OCT.2015 10:52:01

Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 3



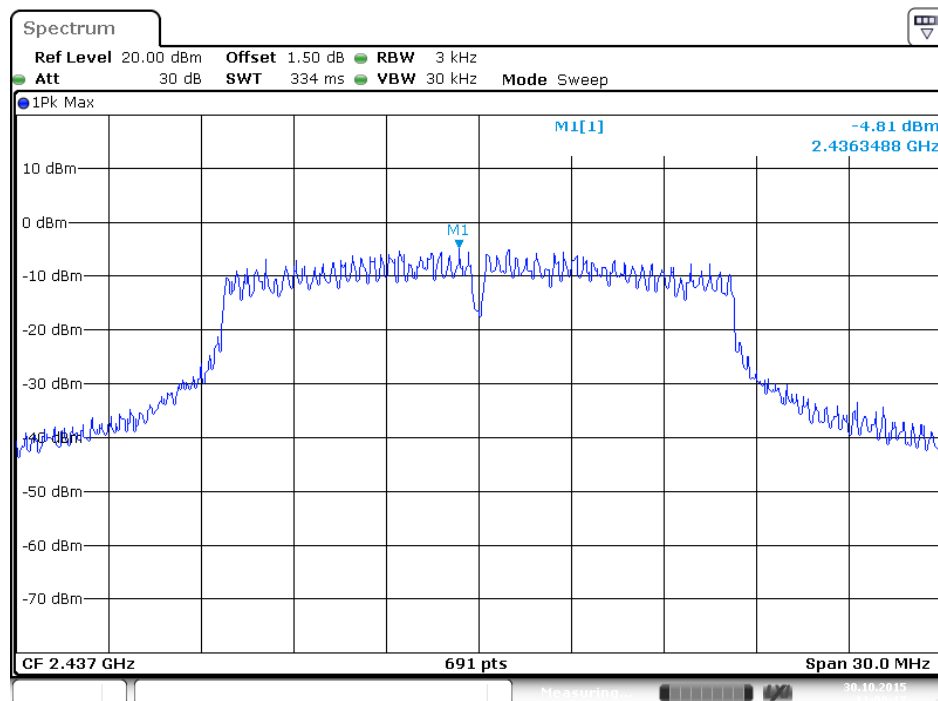
Date: 30.OCT.2015 10:52:41

Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



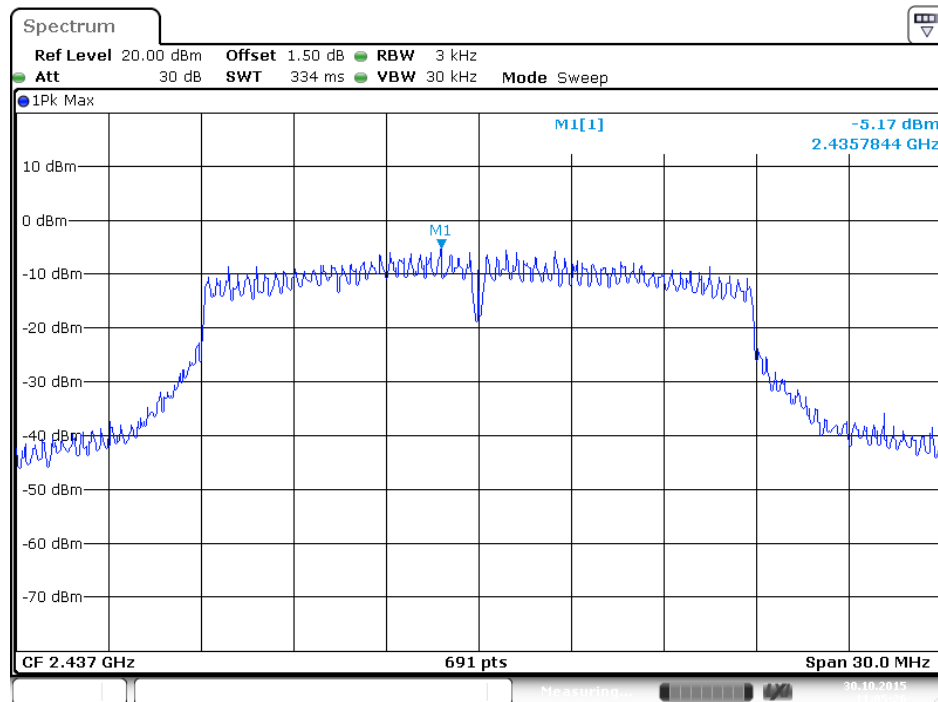
Date: 30.OCT.2015 10:59:42

Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



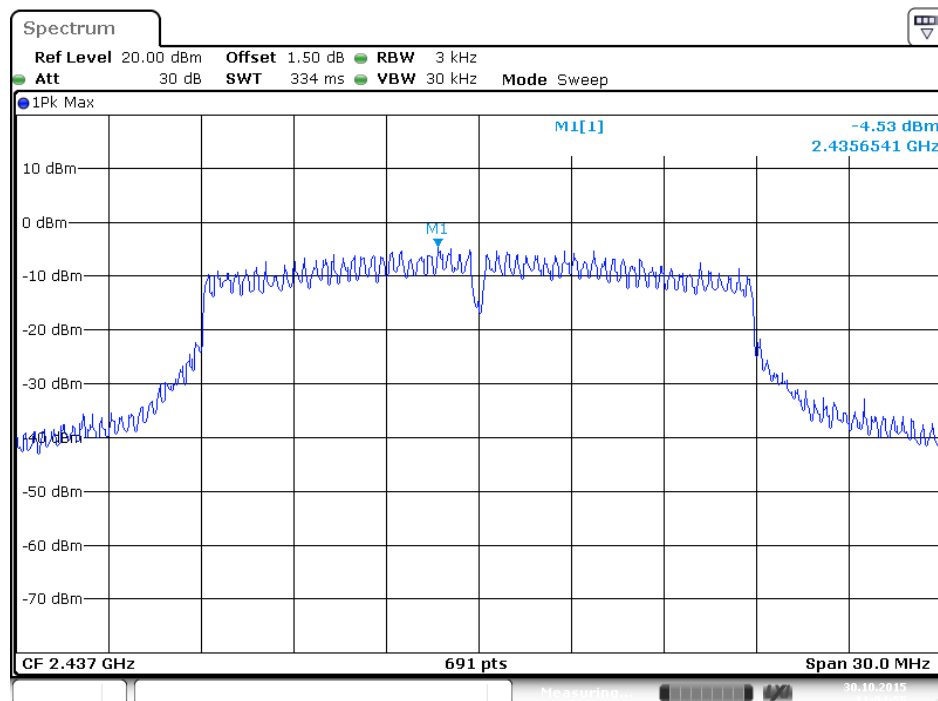
Date: 30.OCT.2015 11:00:17

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



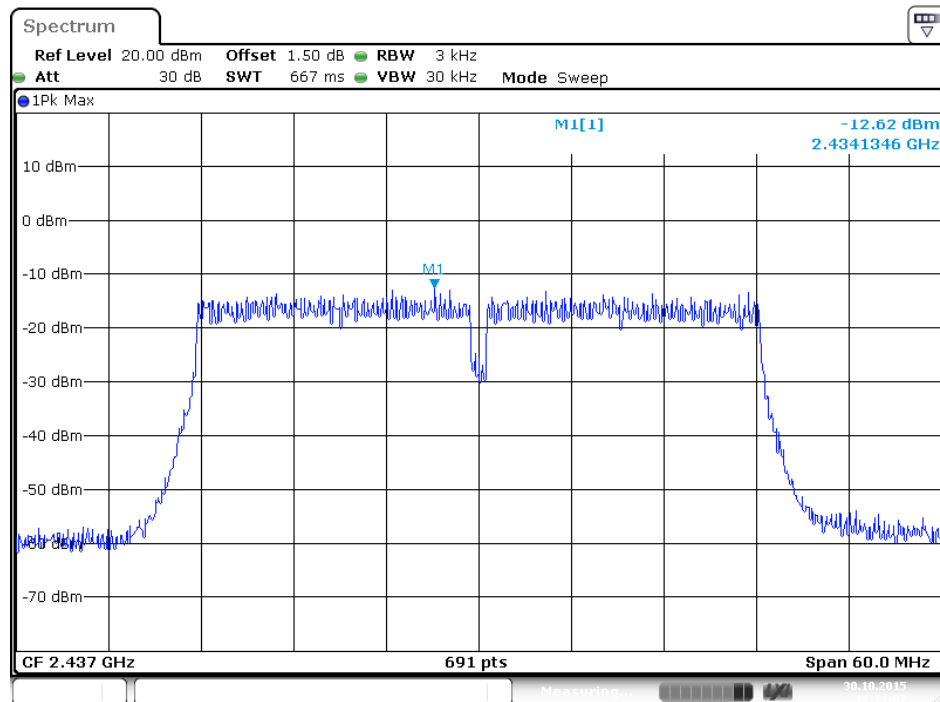
Date: 30.OCT.2015 11:05:26

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



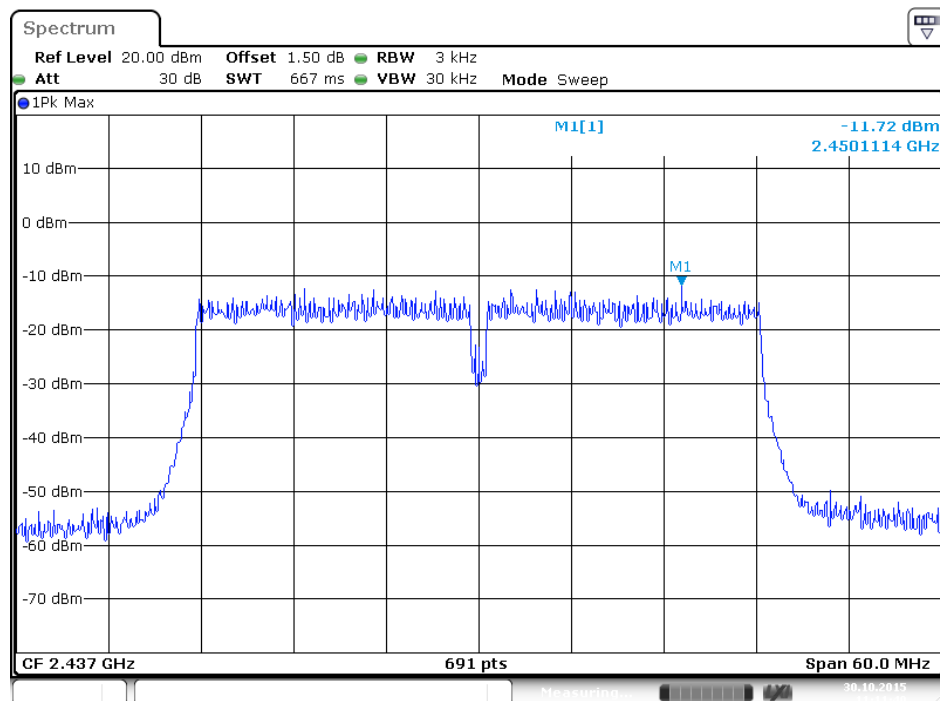
Date: 30.OCT.2015 11:04:55

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Date: 30.OCT.2015 11:11:07

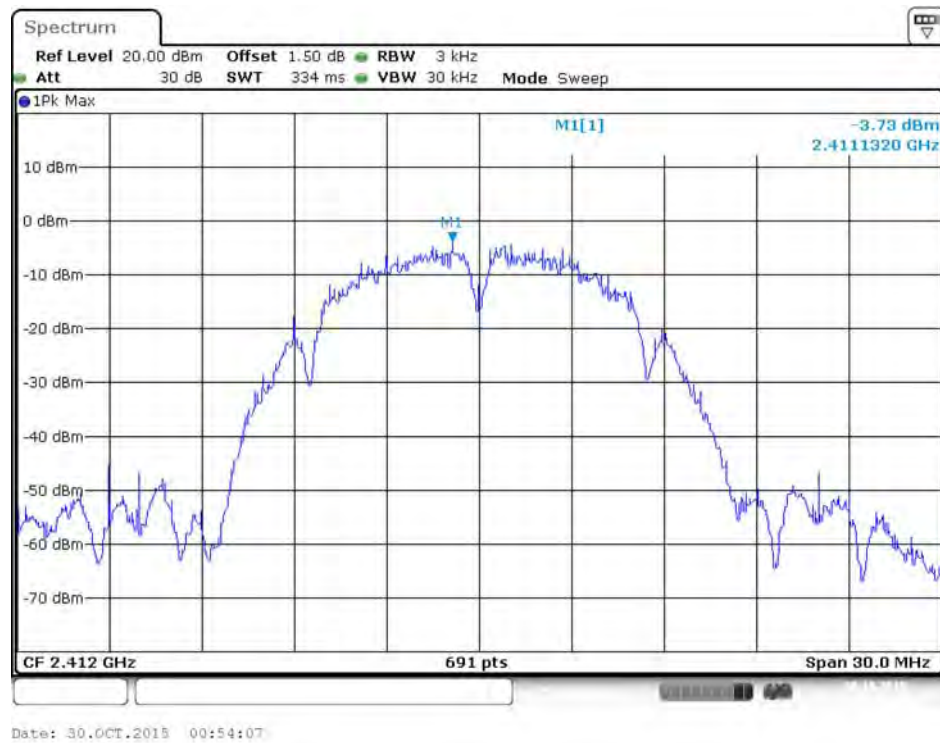
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



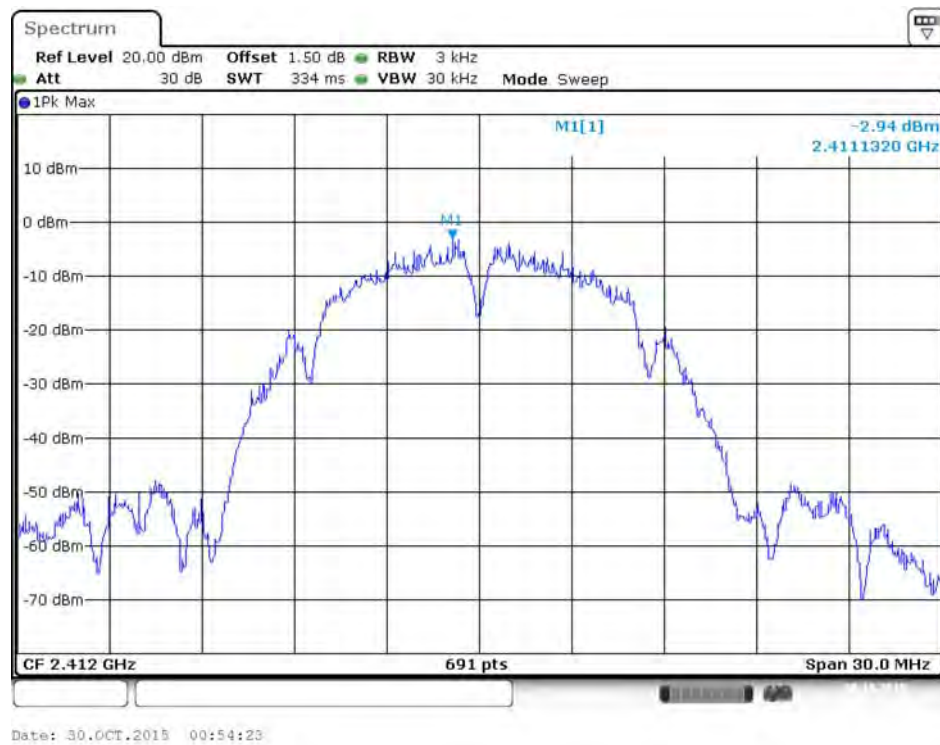
Date: 30.OCT.2015 11:11:40

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX)

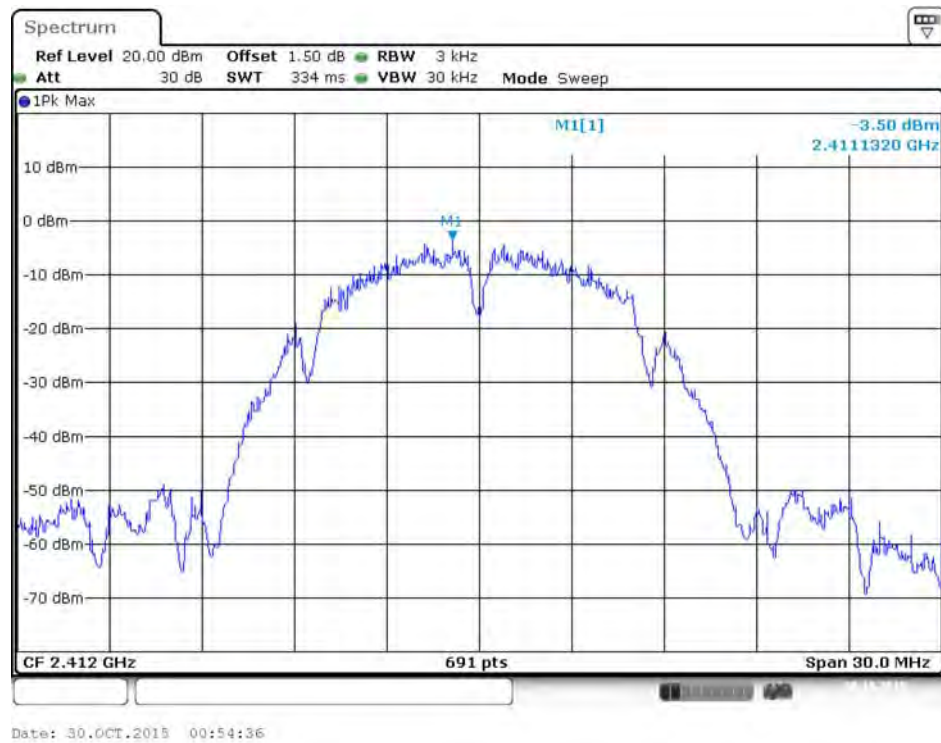
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



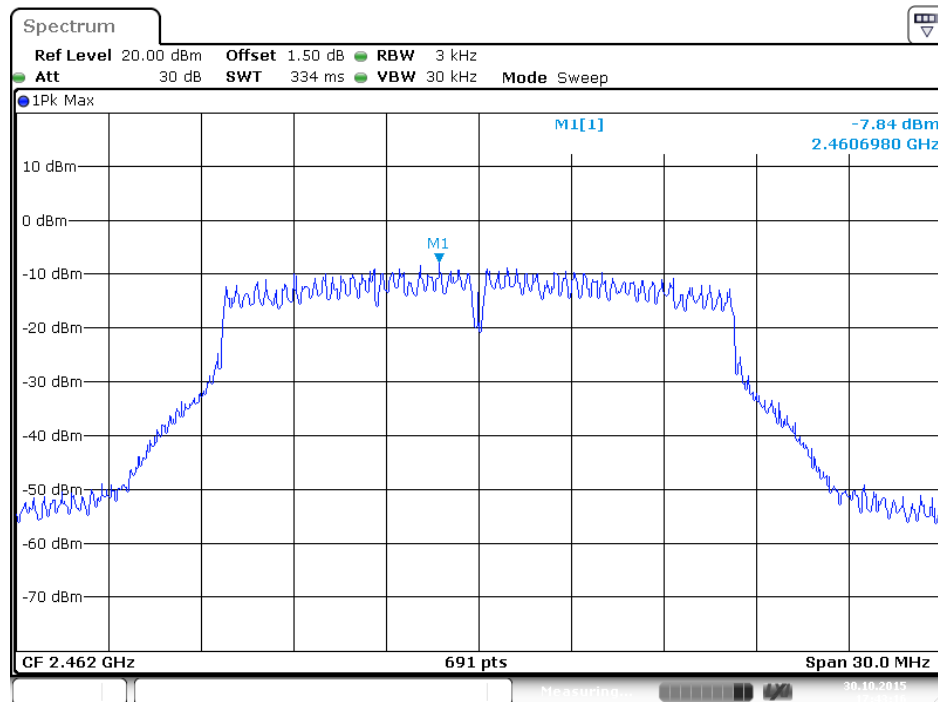
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



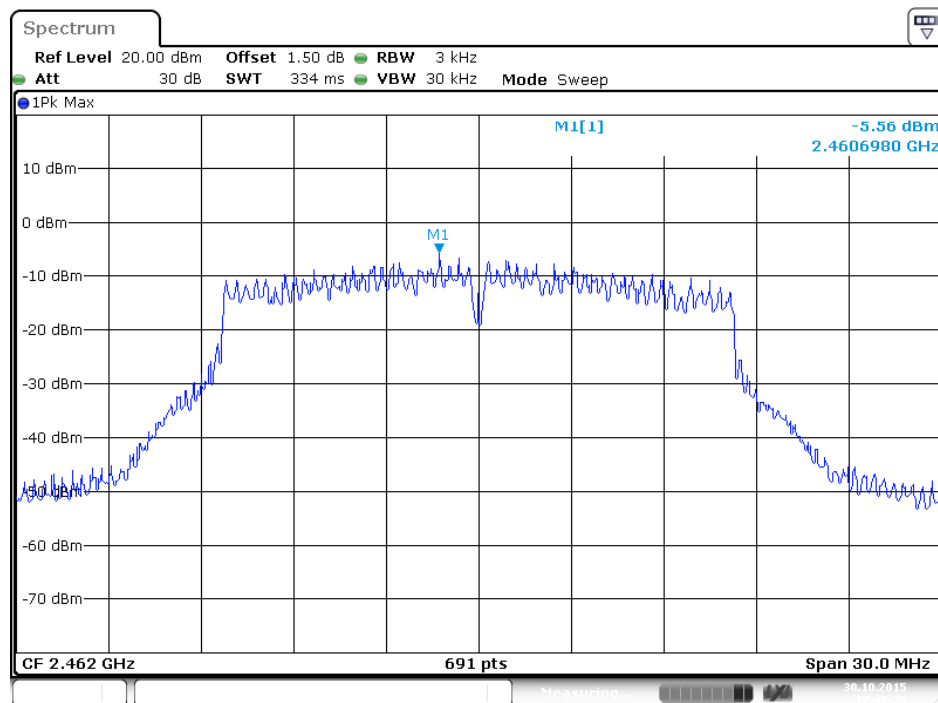
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 3



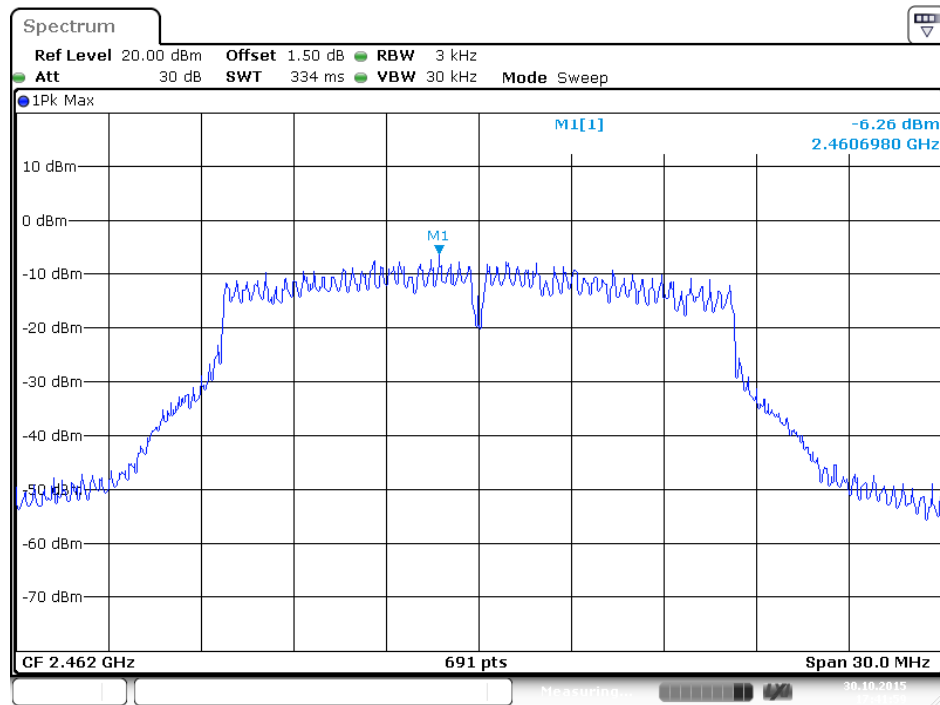
Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 2

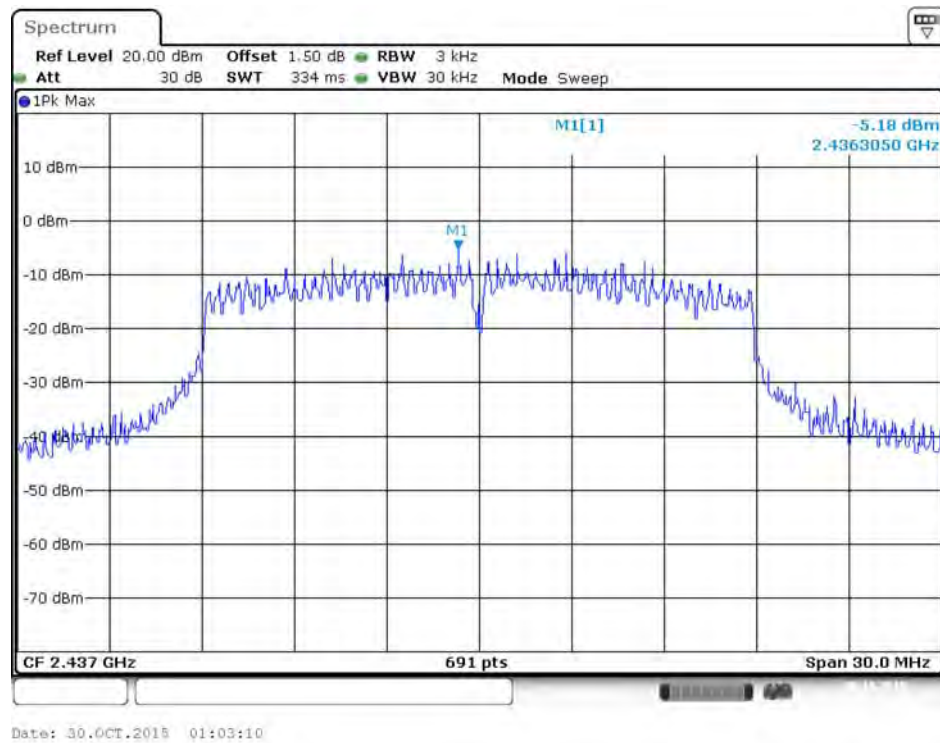


Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 3

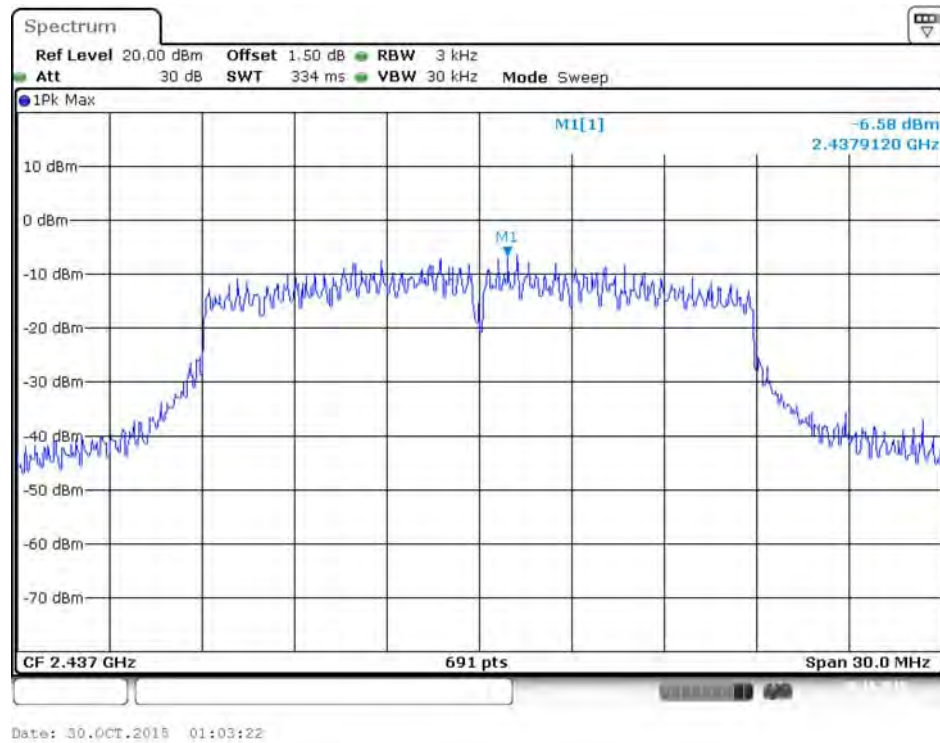


Date: 30.OCT.2015 17:41:59

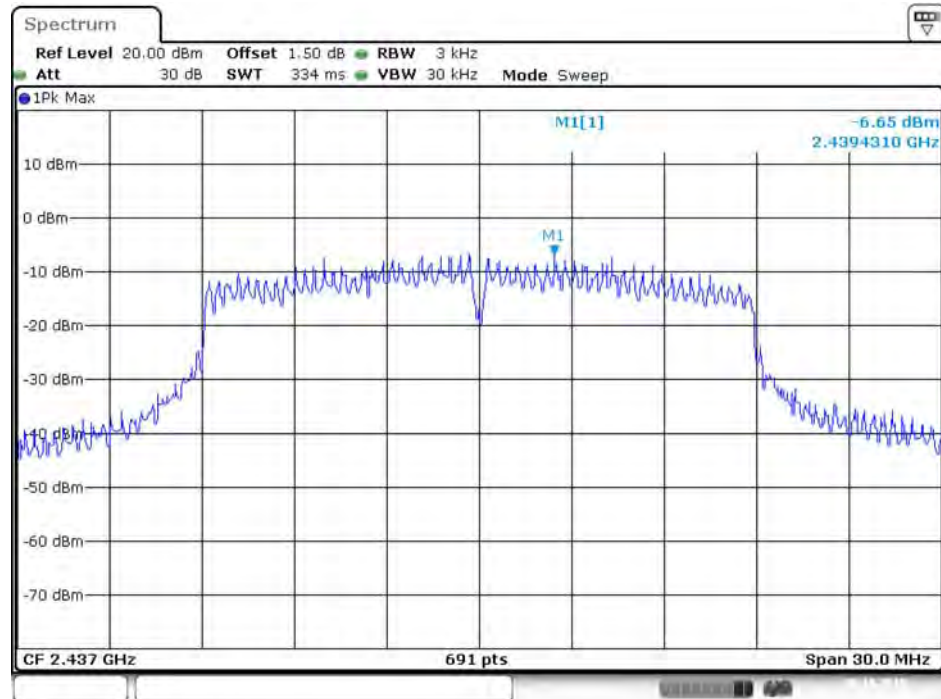
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

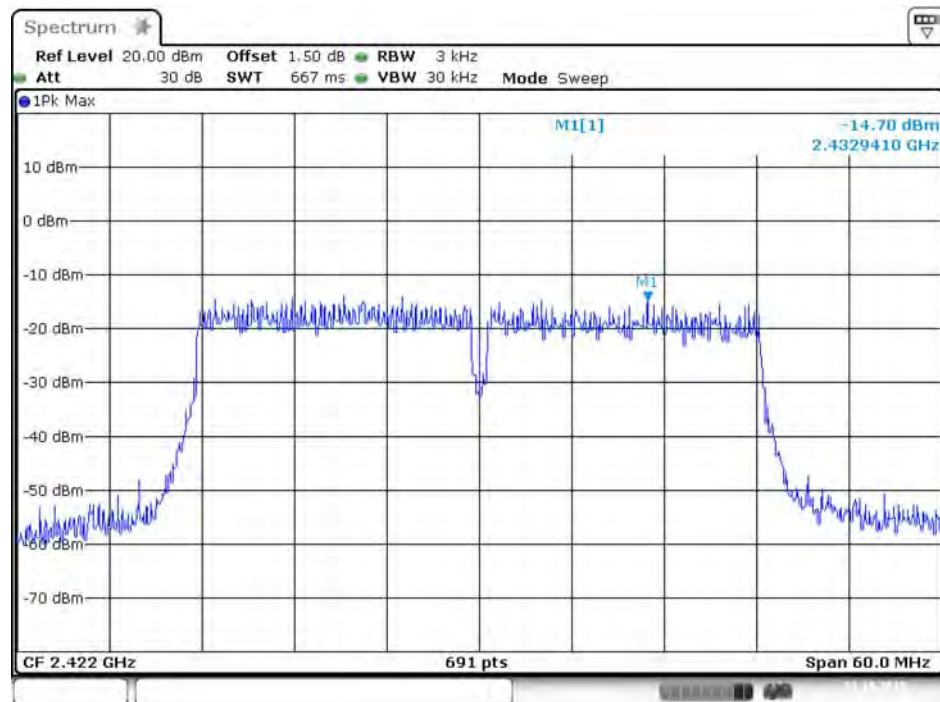


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



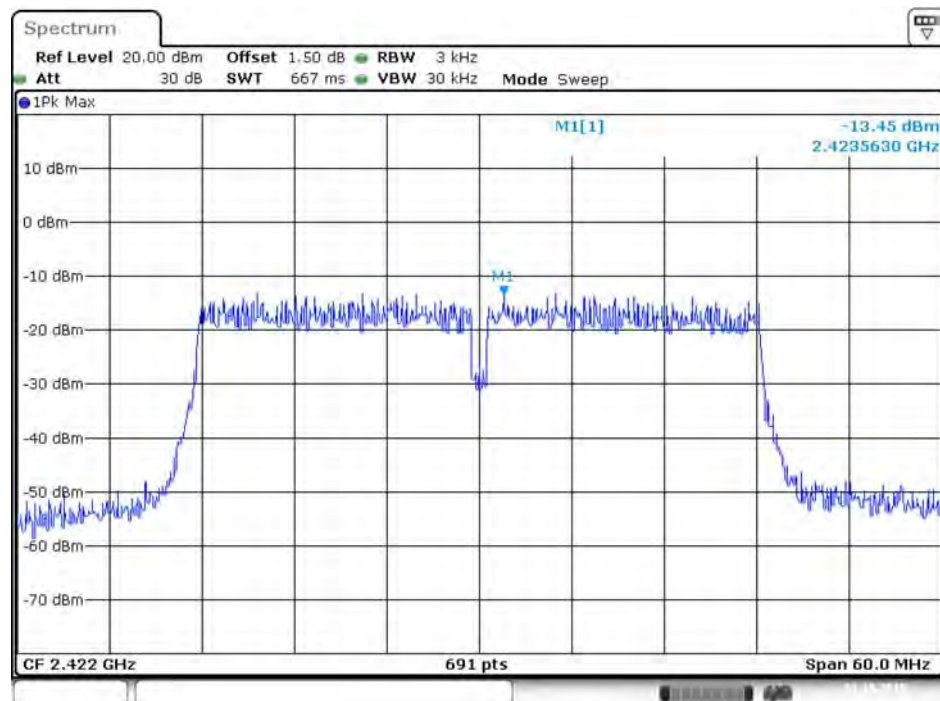
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



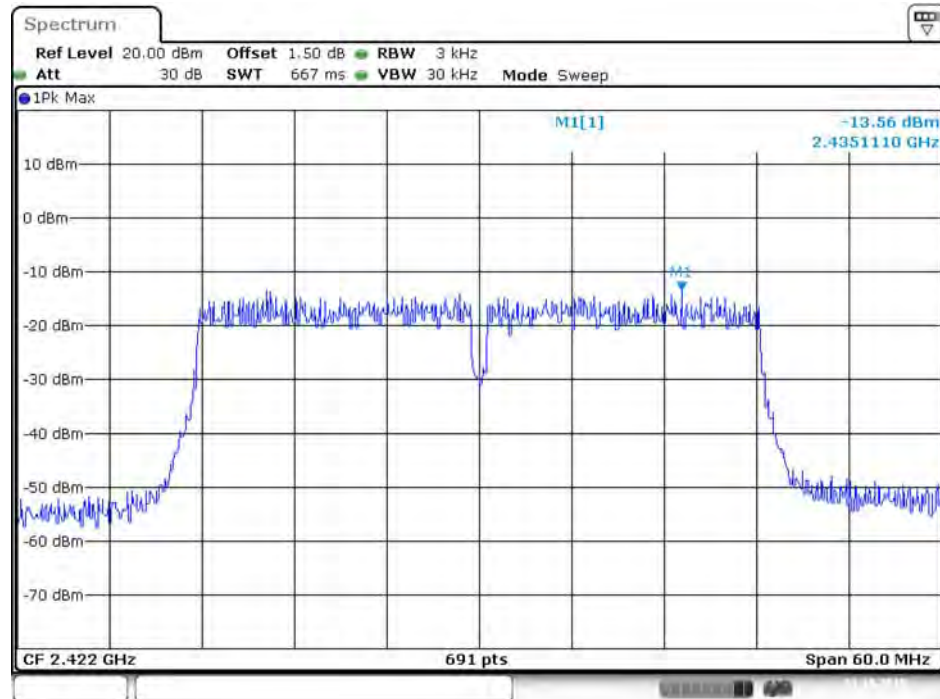
Date: 31.OCT.2015 20:01:14

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



Date: 31.OCT.2015 20:01:26

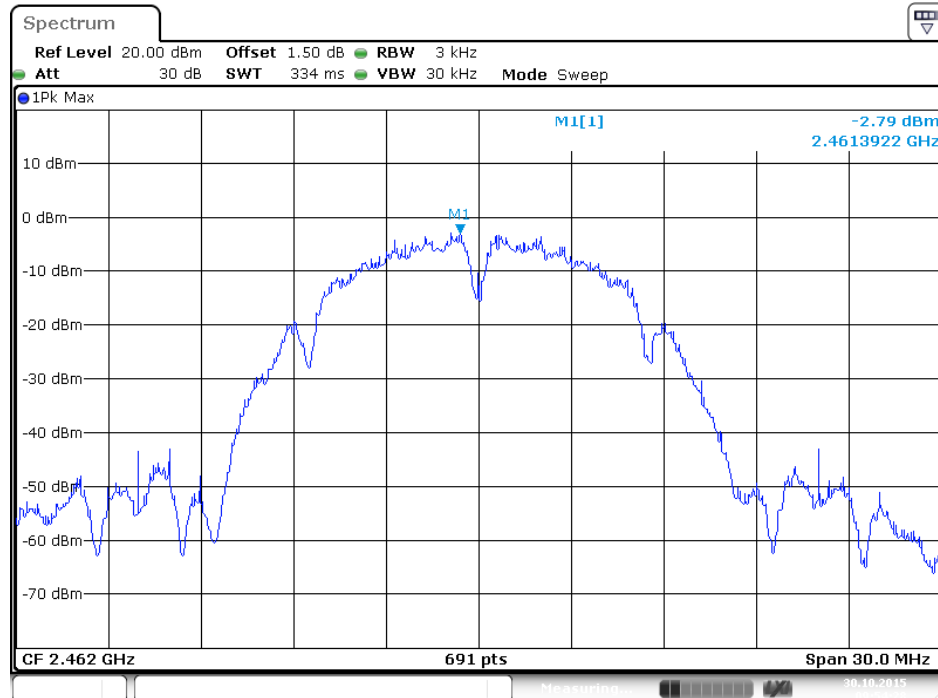
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 3



Date: 31.OCT.2015 20:01:39

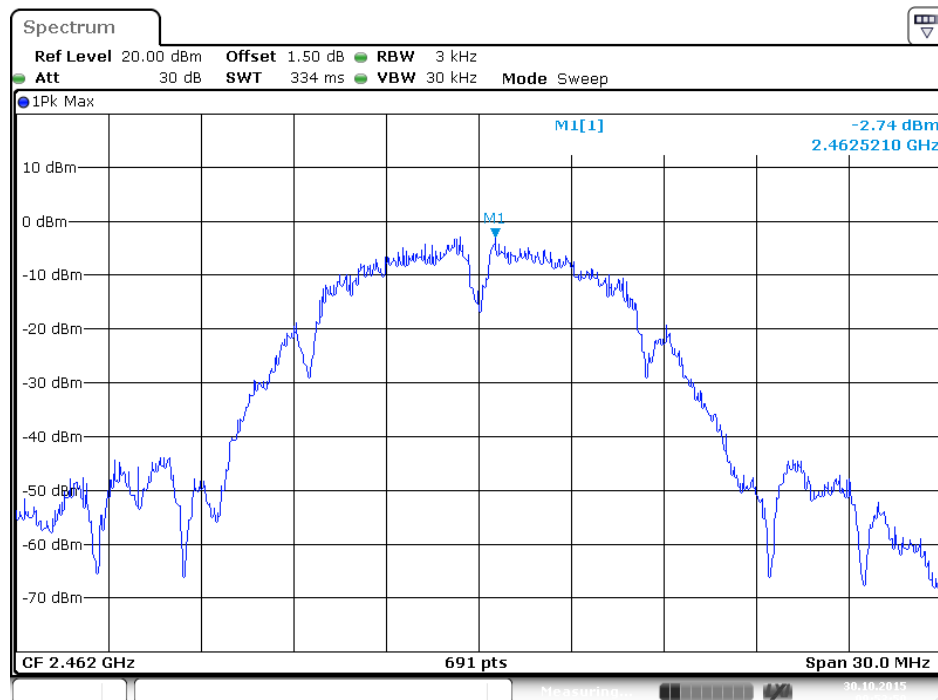
Mode 6 (Set 9 Monopole antenna / Chain 1: 5.2dBi, Chain 2: 3.7dBi, Chain 3: 3.2dBi, Chain 4: 4.5dBi / 4TX)

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1

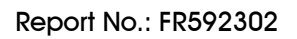


Date: 30.OCT.2015 09:54:28

Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2



Date: 30.OCT.2015 09:53:50



Spectrum

Ref Level 20.00 dBm Offset 1.50 dB RBW 3 kHz
Att 30 dB SWT 334 ms VBW 30 kHz Mode Sweep

1Pk Max

M1[1] -2.19 dBm
2.4609580 GHz

10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

CF 2.462 GHz 691 pts Span 30.0 MHz

Measuring...

30.10.2015

Spectrum

Ref Level 20.00 dBm Offset 1.50 dB RBW 3 kHz
Att 30 dB SWT 334 ms VBW 30 kHz Mode Sweep

1Pk Max

M1[1] -2.11 dBm
2.4613054 GHz

10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

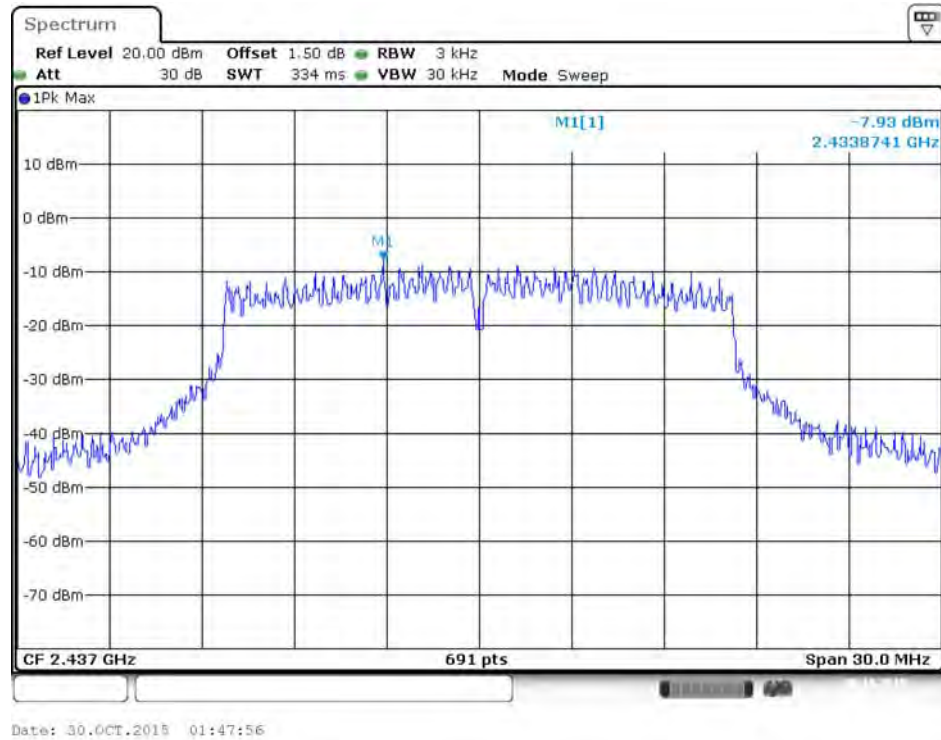
CF 2.462 GHz 691 pts Span 30.0 MHz

Measuring...

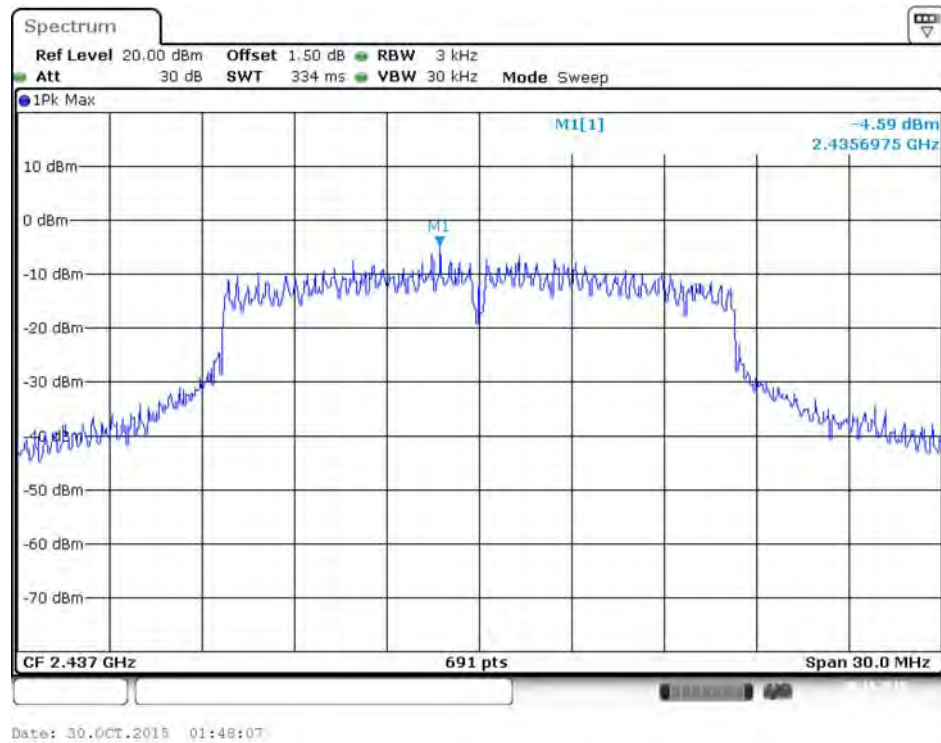
30.10.2015

Issued Date : Jan. 29, 2016

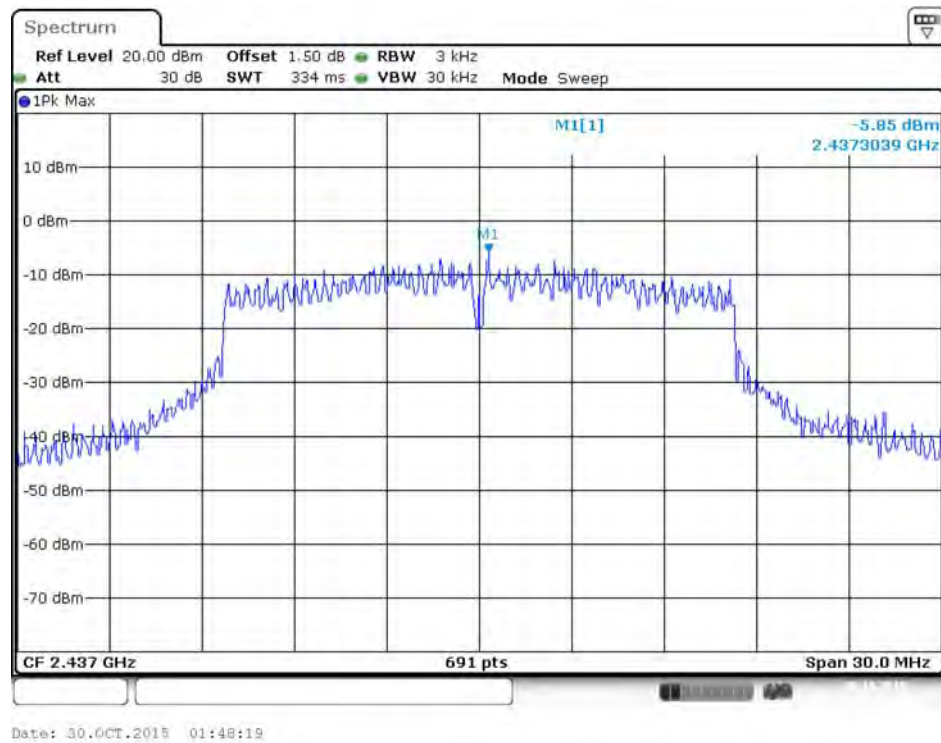
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



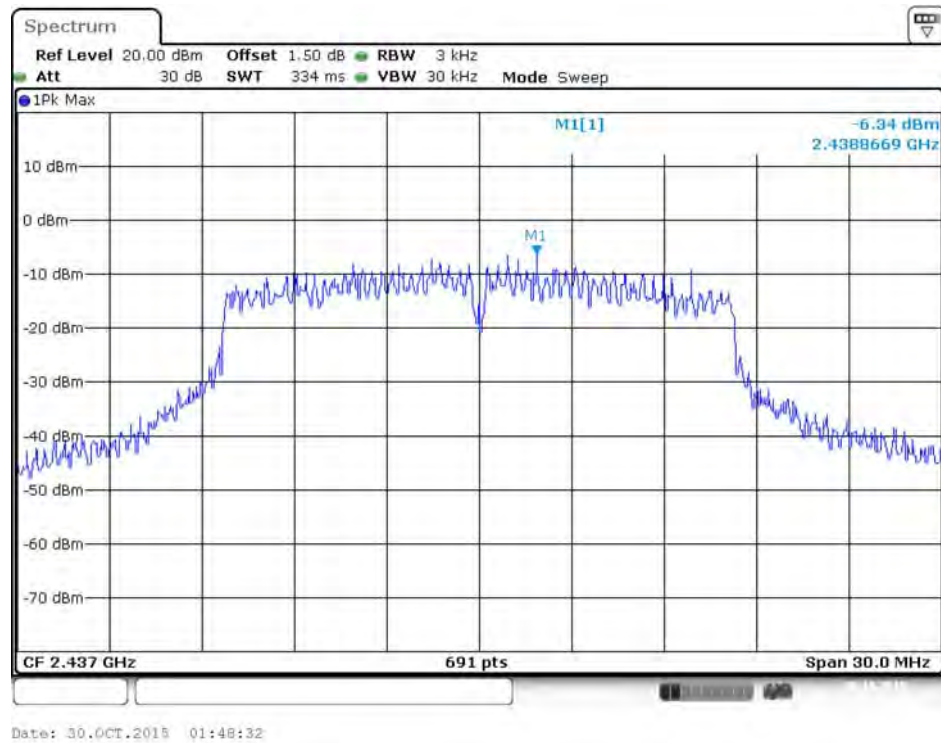
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



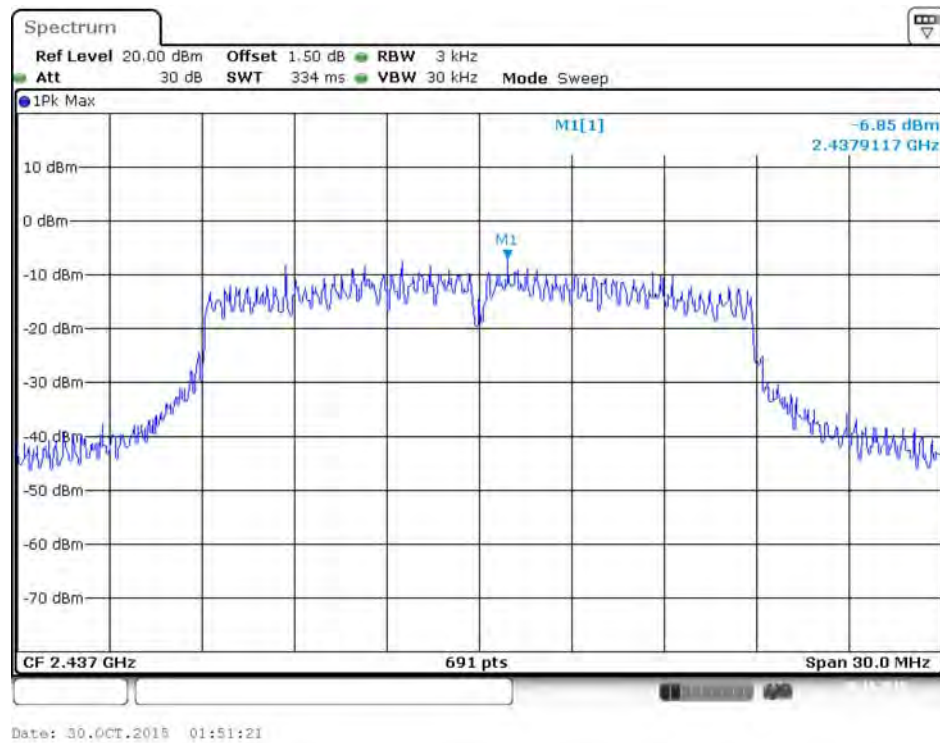
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



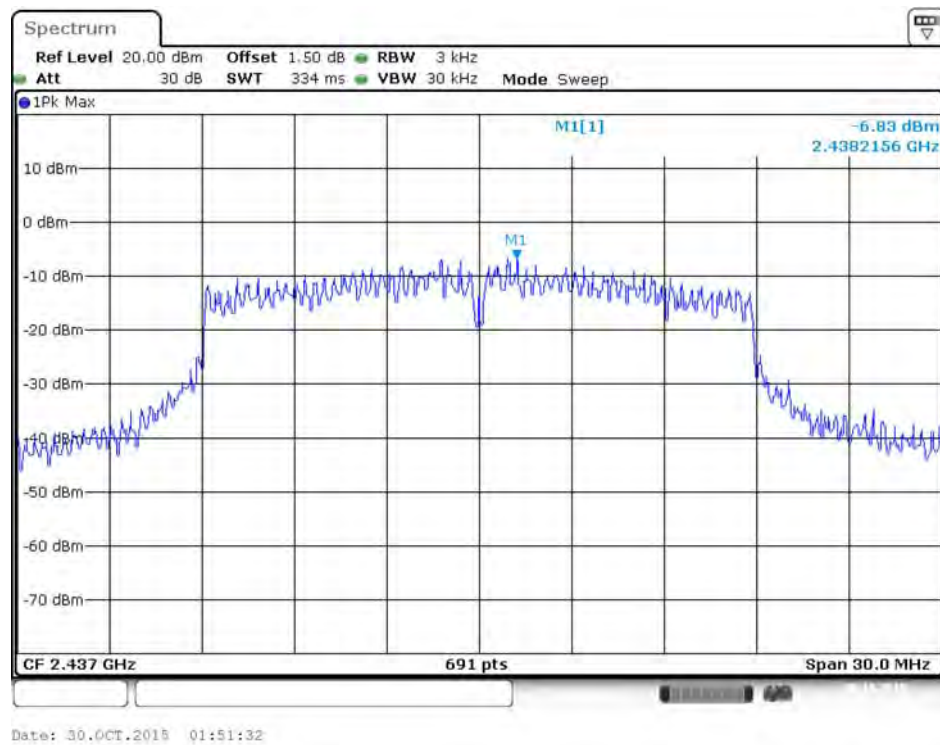
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



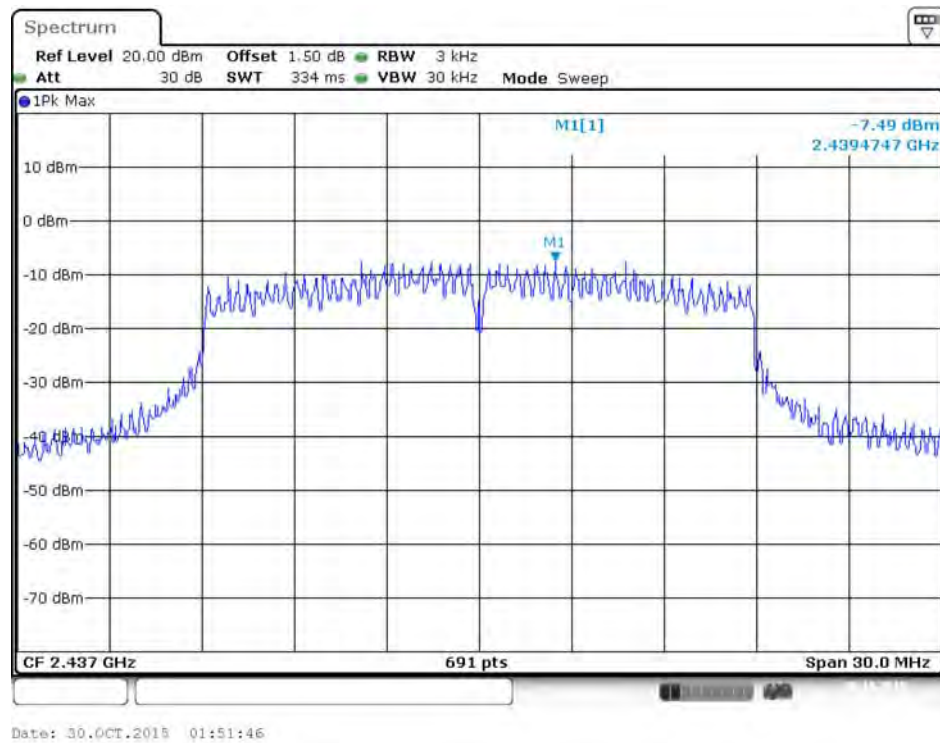
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



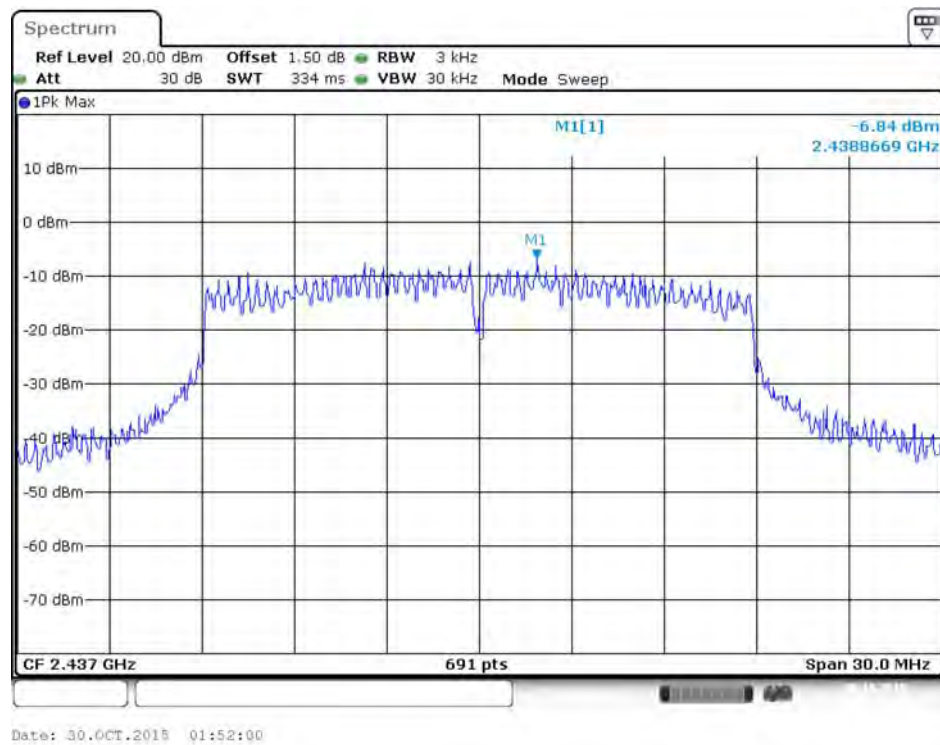
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



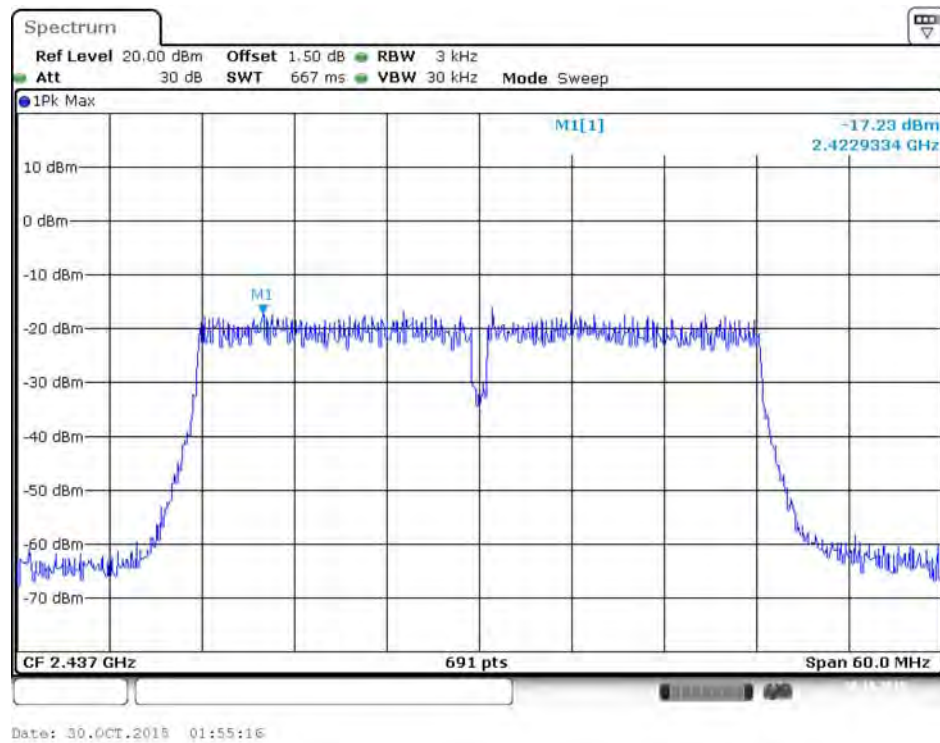
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



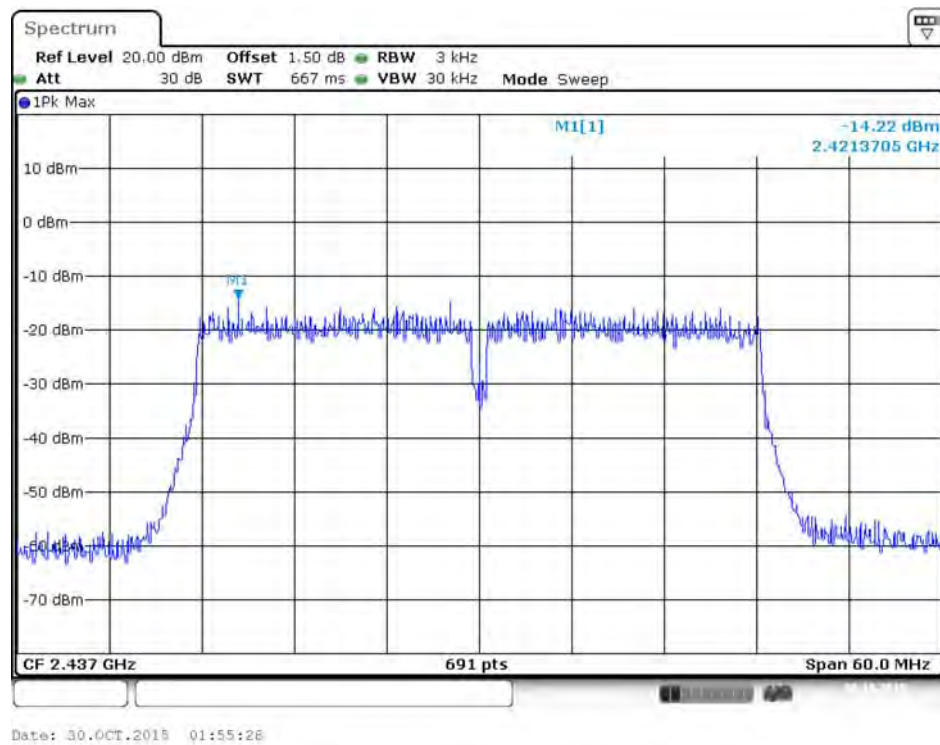
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



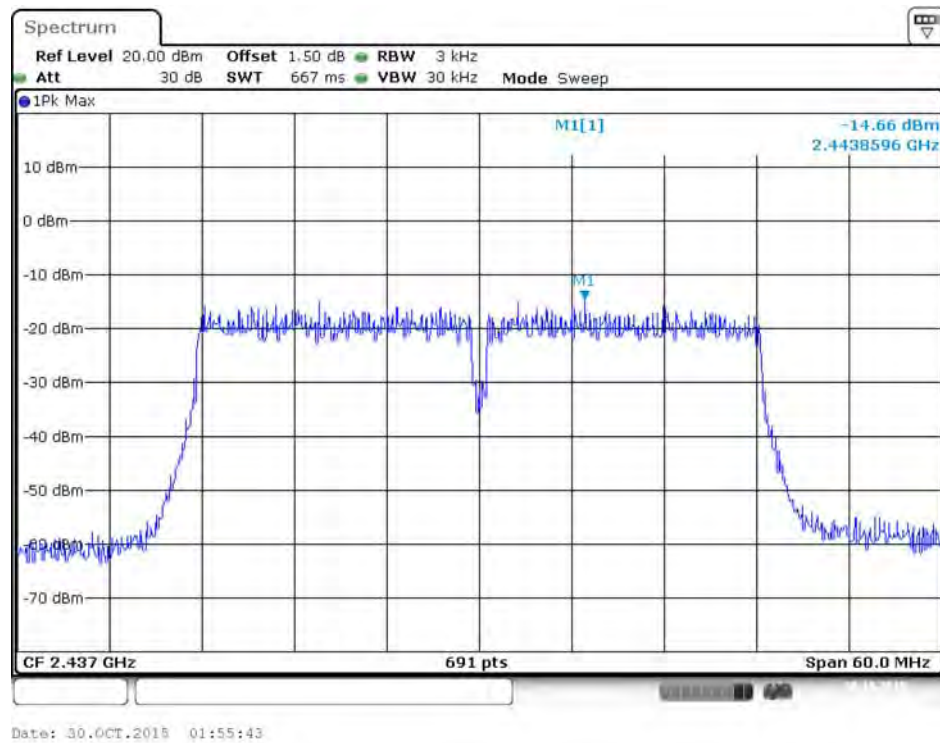
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



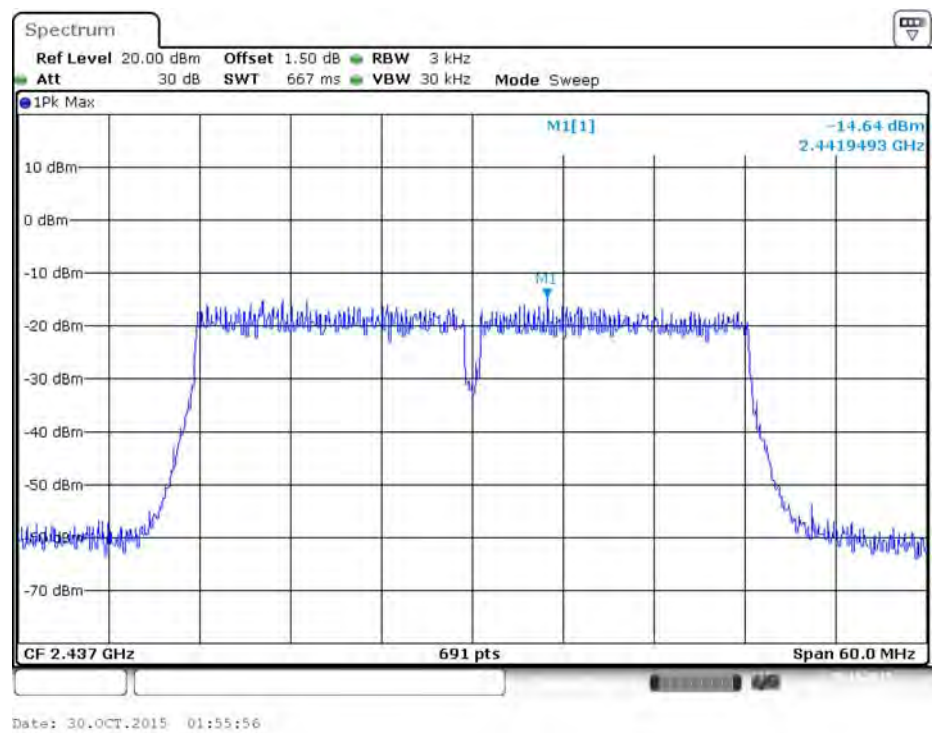
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



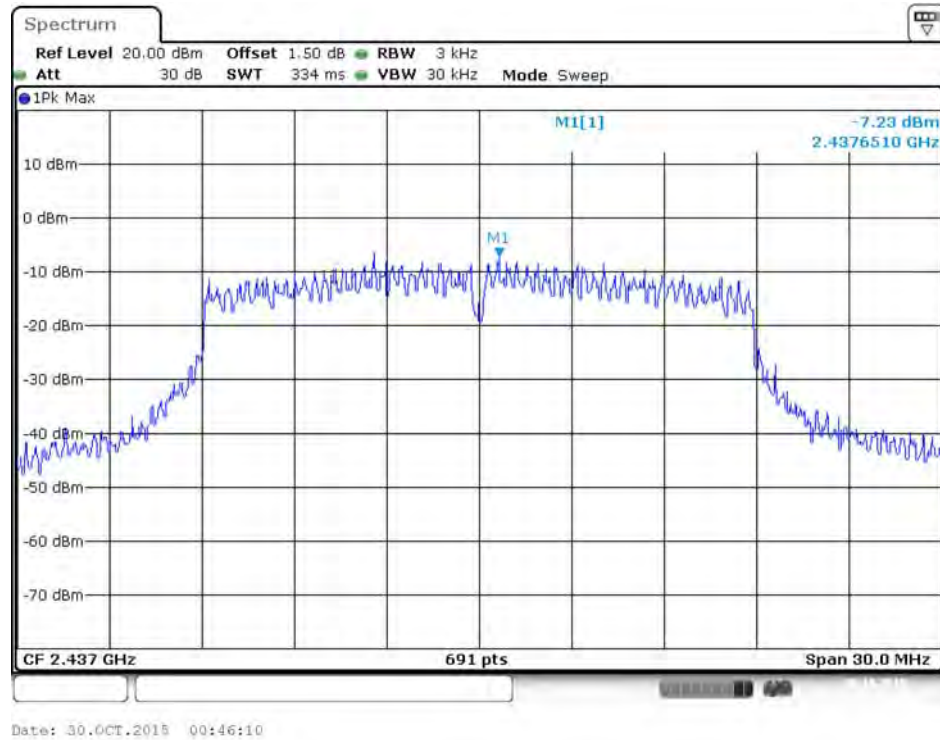
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



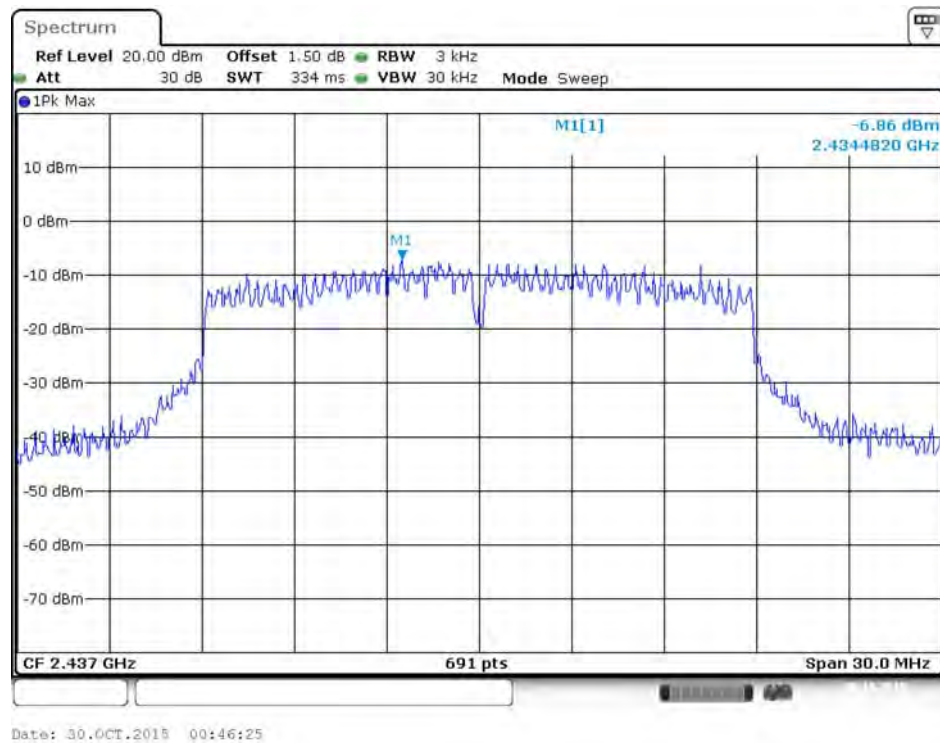
For Beamforming Mode

Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)

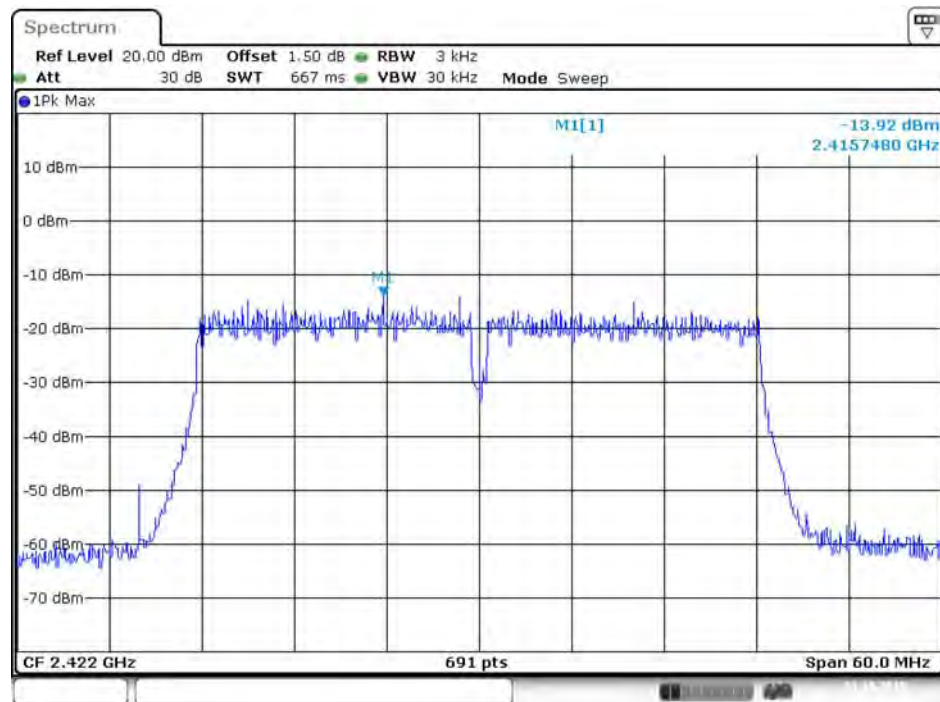
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

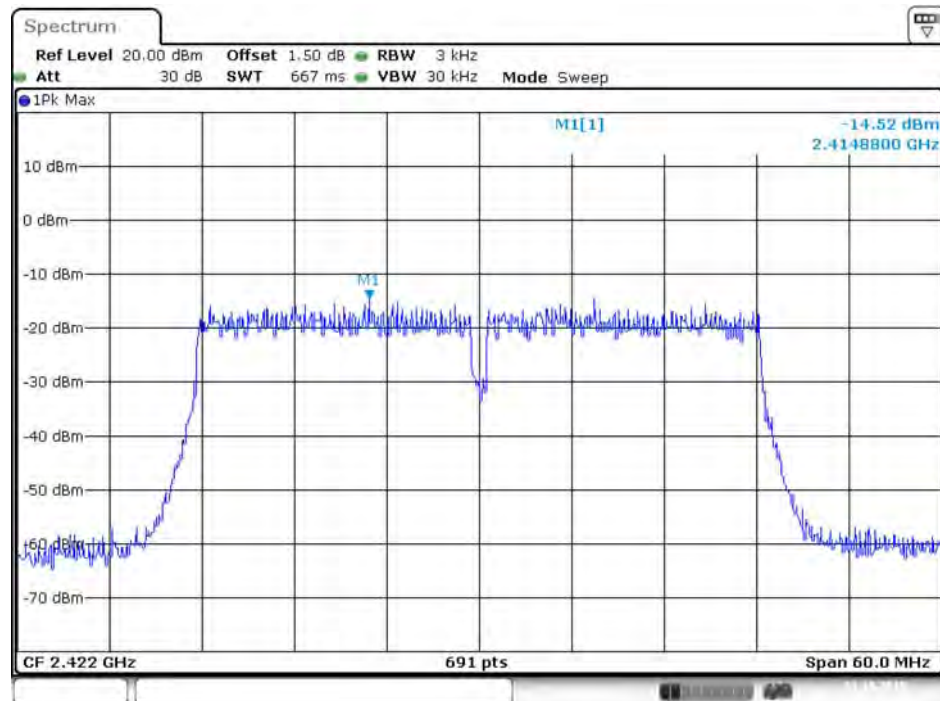


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



Date: 31.OCT.2015 22:31:16

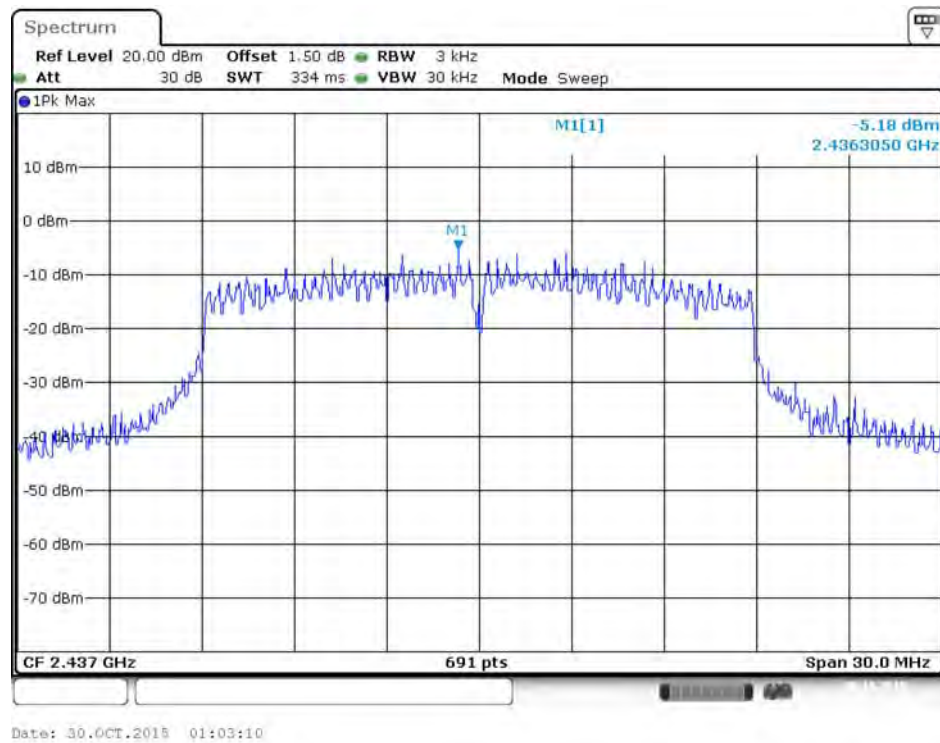
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



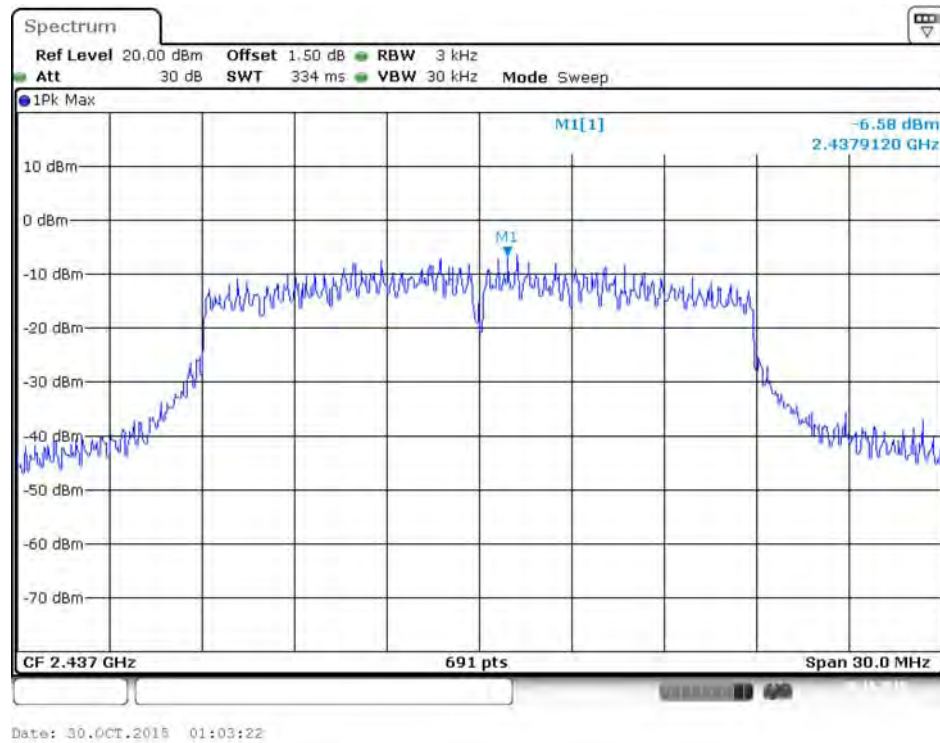
Date: 31.OCT.2015 22:31:27

Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)

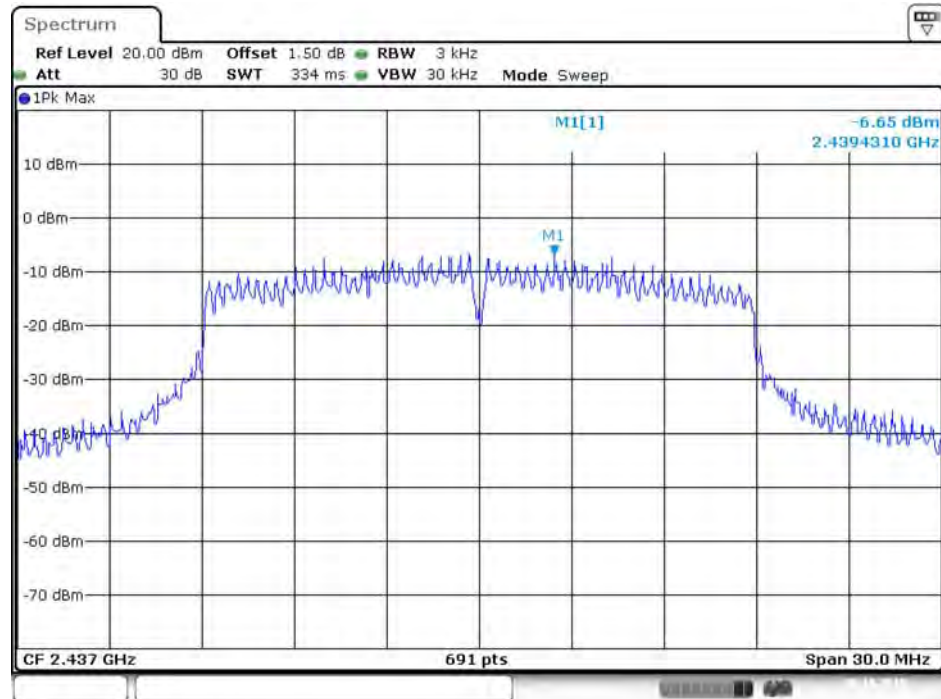
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

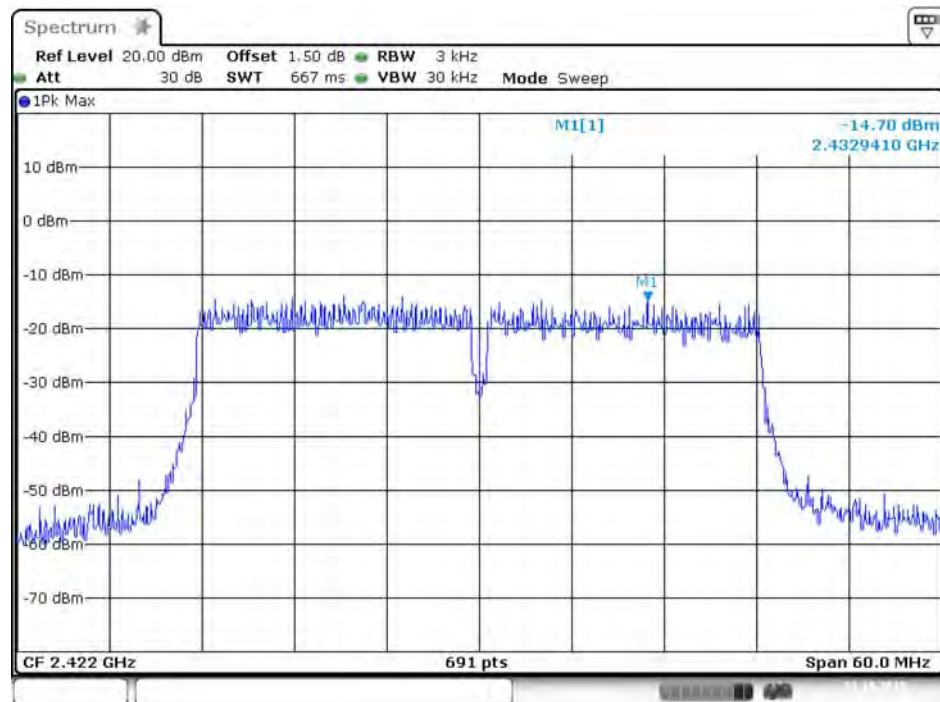


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



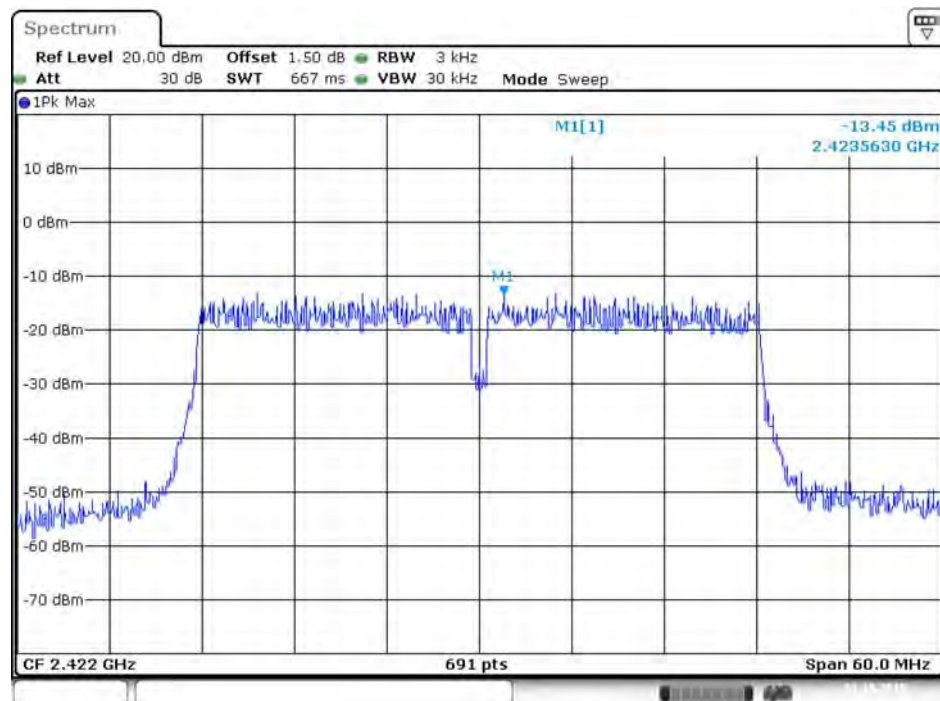
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



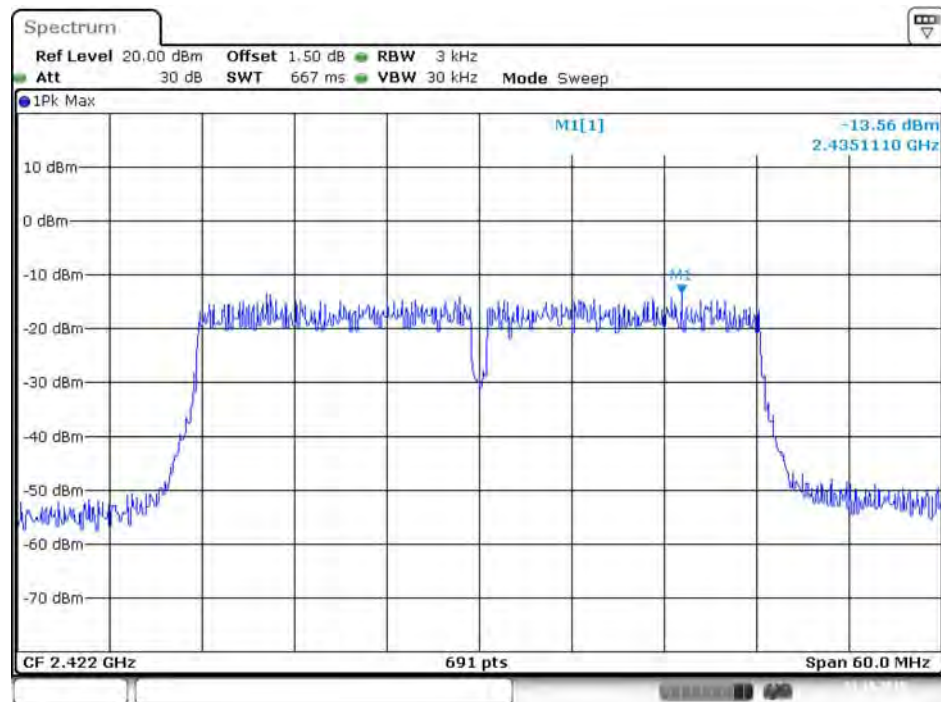
Date: 31.OCT.2015 20:01:14

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



Date: 31.OCT.2015 20:01:26

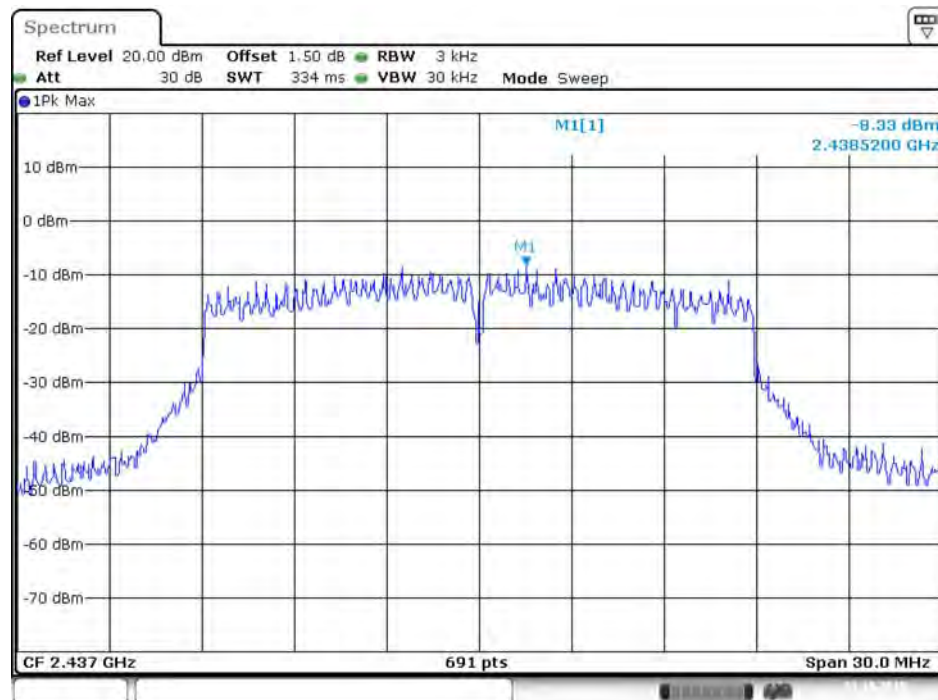
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 3



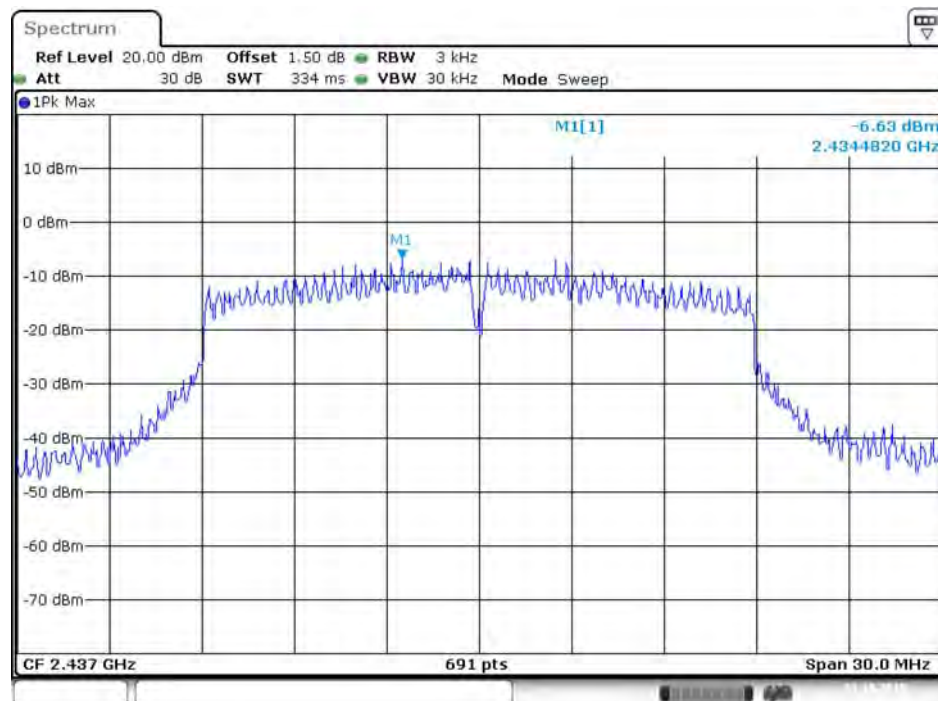
Date: 31.OCT.2015 20:01:39

Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

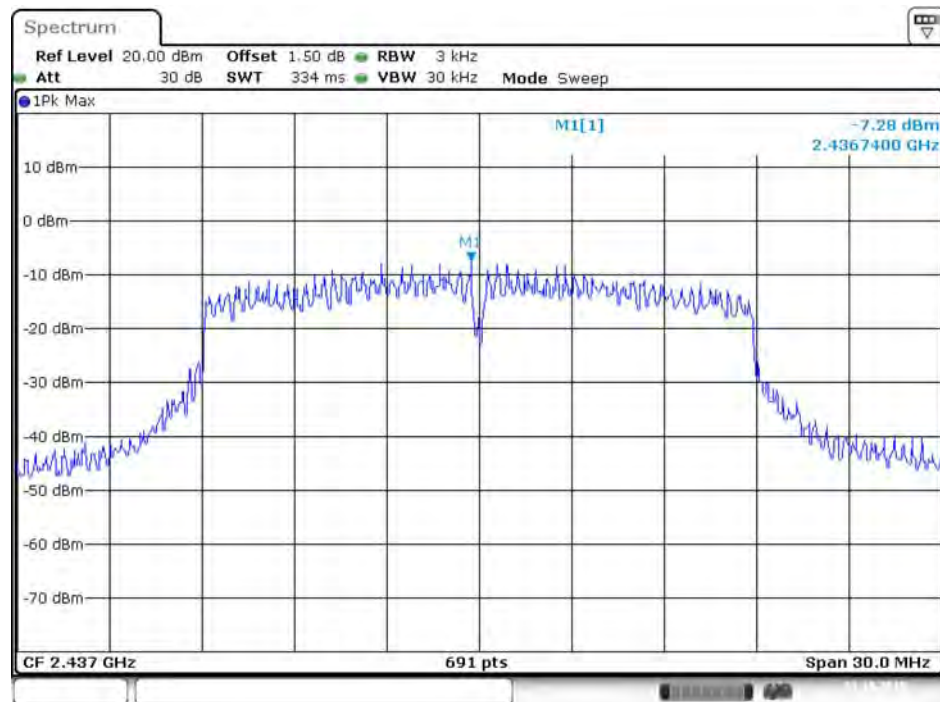
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

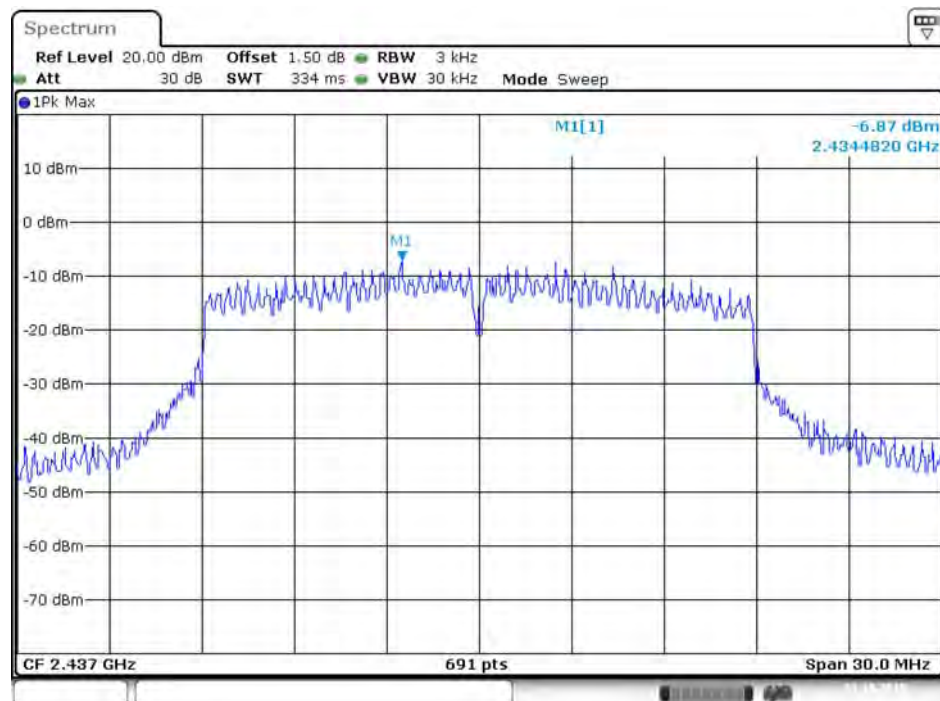


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



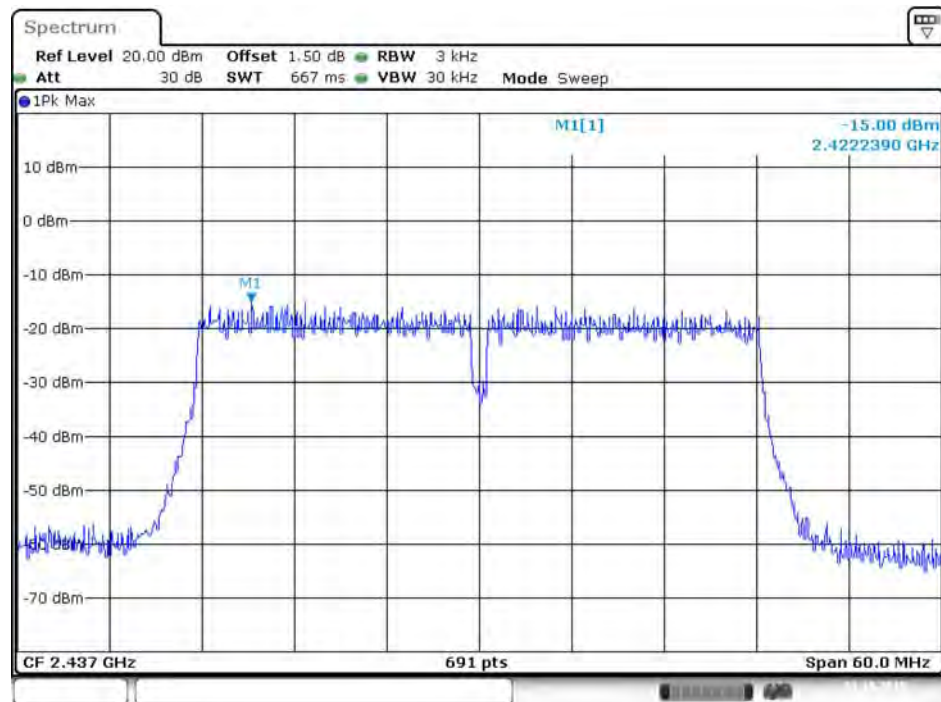
Date: 31.OCT.2015 22:35:32

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



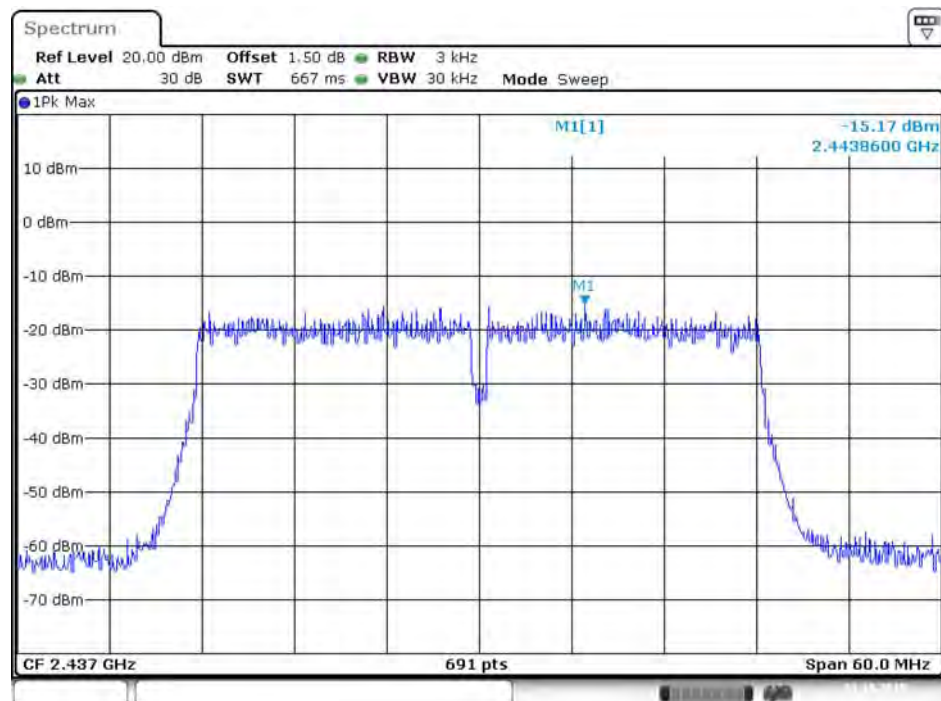
Date: 31.OCT.2015 22:35:43

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



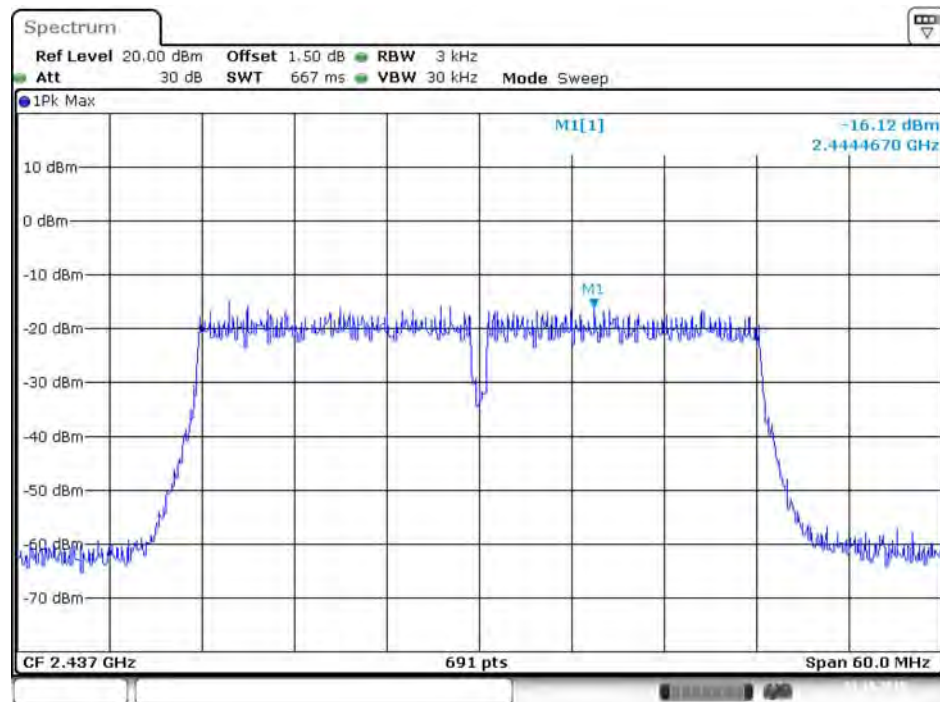
Date: 31.OCT.2015 22:36:31

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



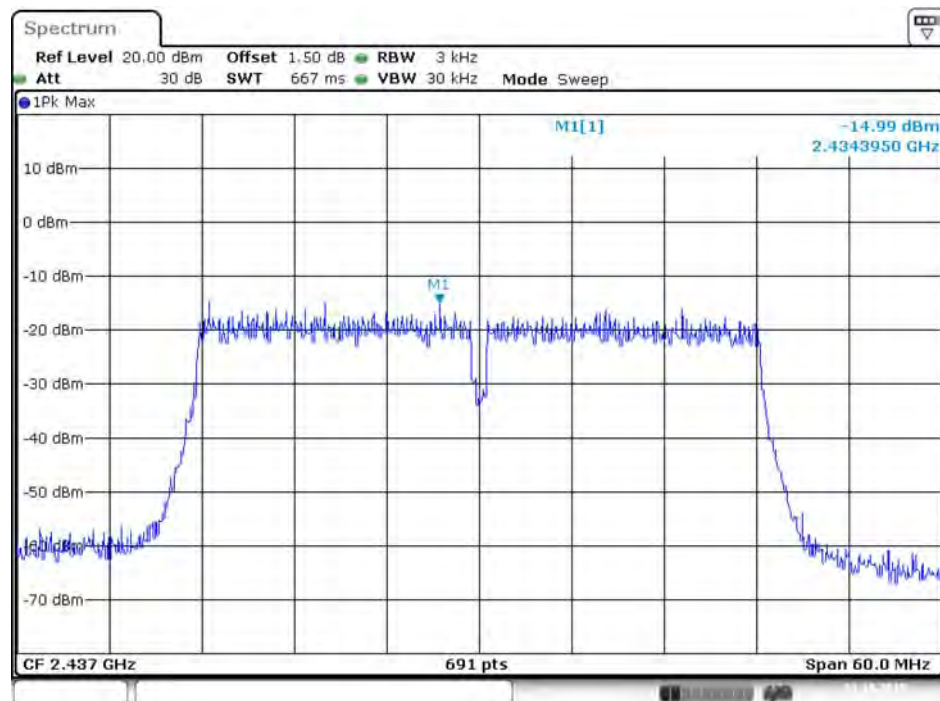
Date: 31.OCT.2015 22:36:42

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Date: 31.OCT.2015 22:36:53

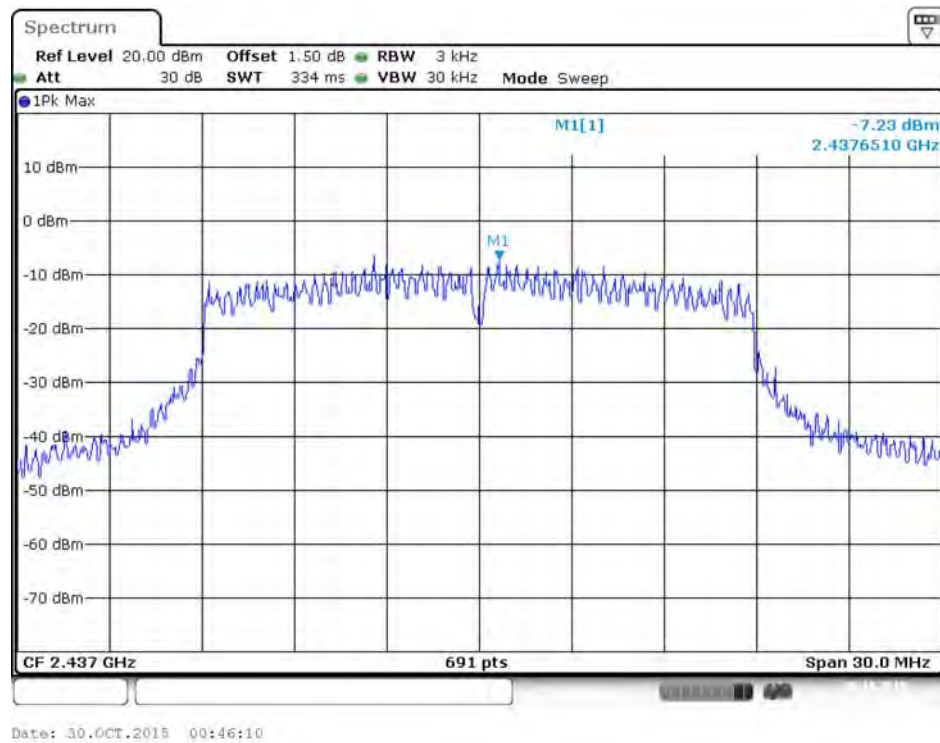
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



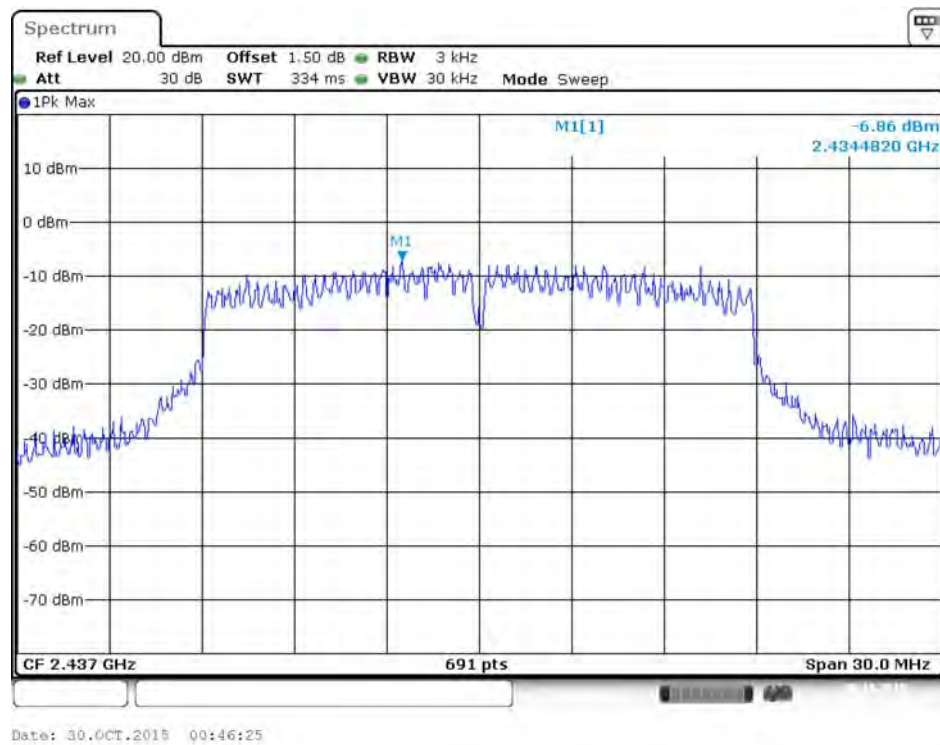
Date: 31.OCT.2015 22:37:04

Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*1, (1B)3.93dBi *1 / 2TX)

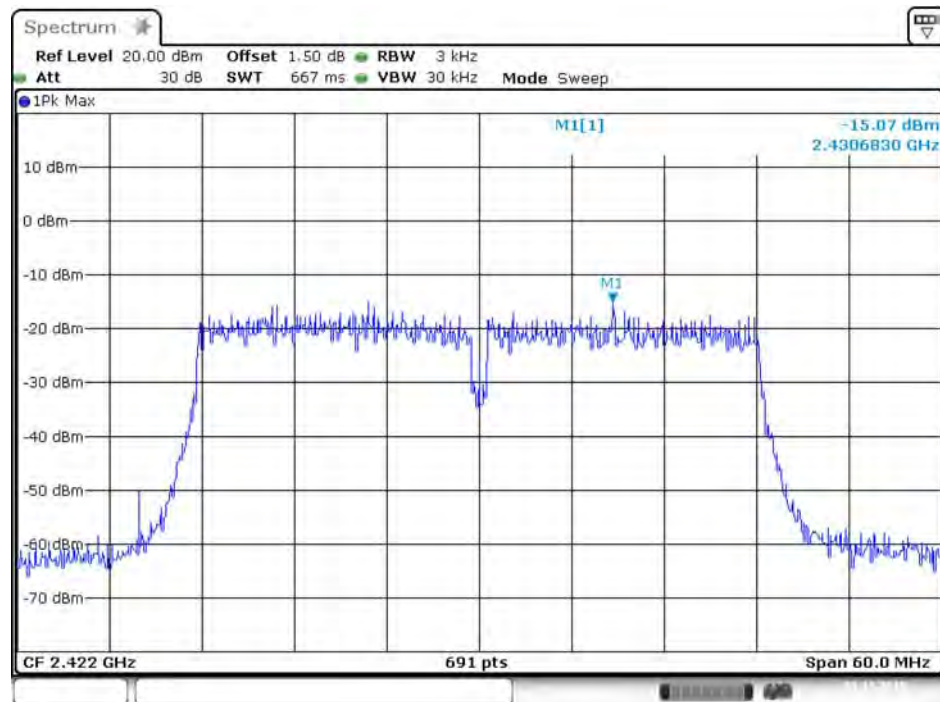
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

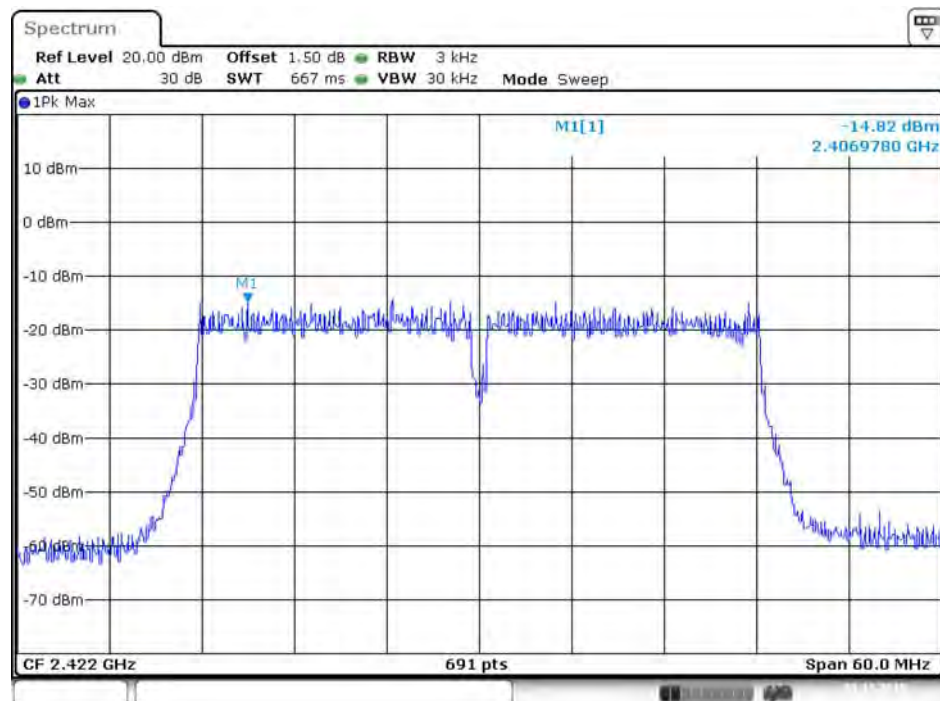


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



Date: 1.NOV.2015 00:35:54

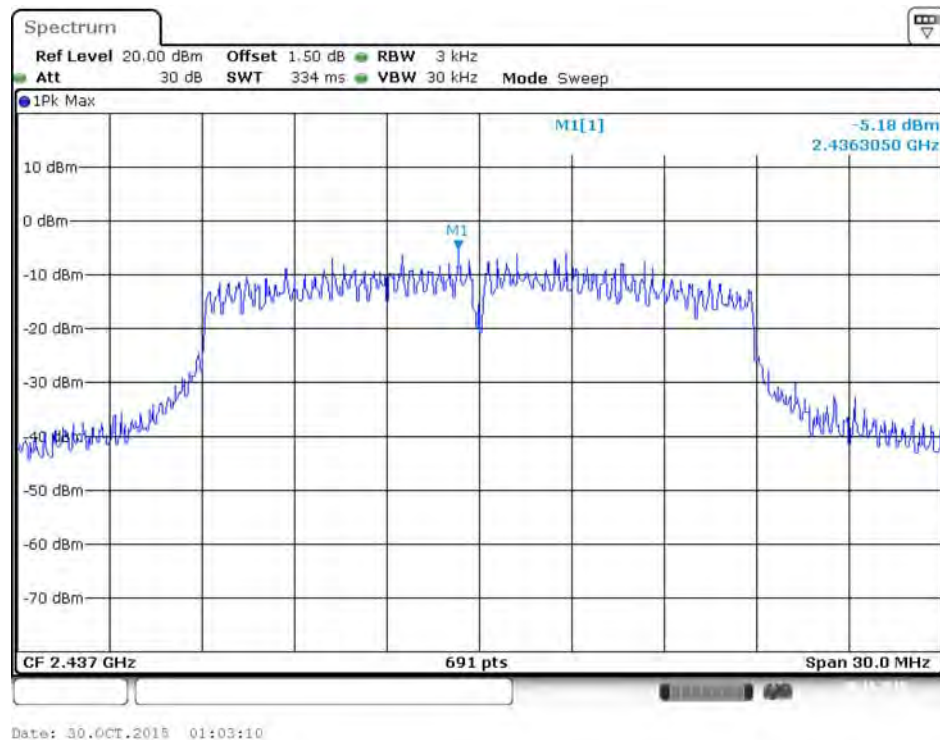
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



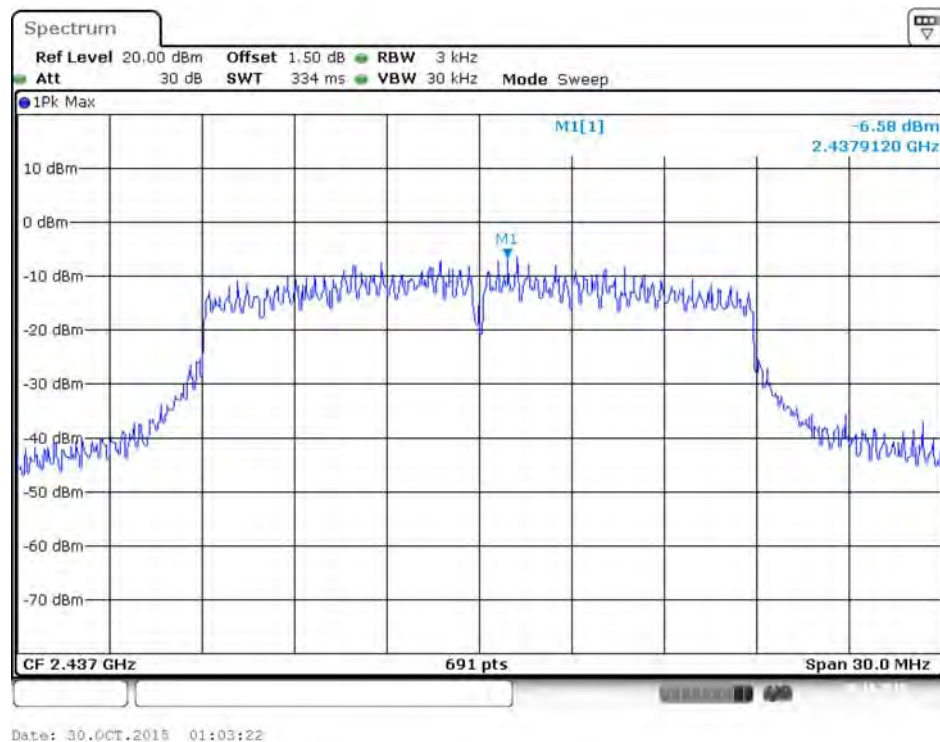
Date: 1.NOV.2015 00:36:07

Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)

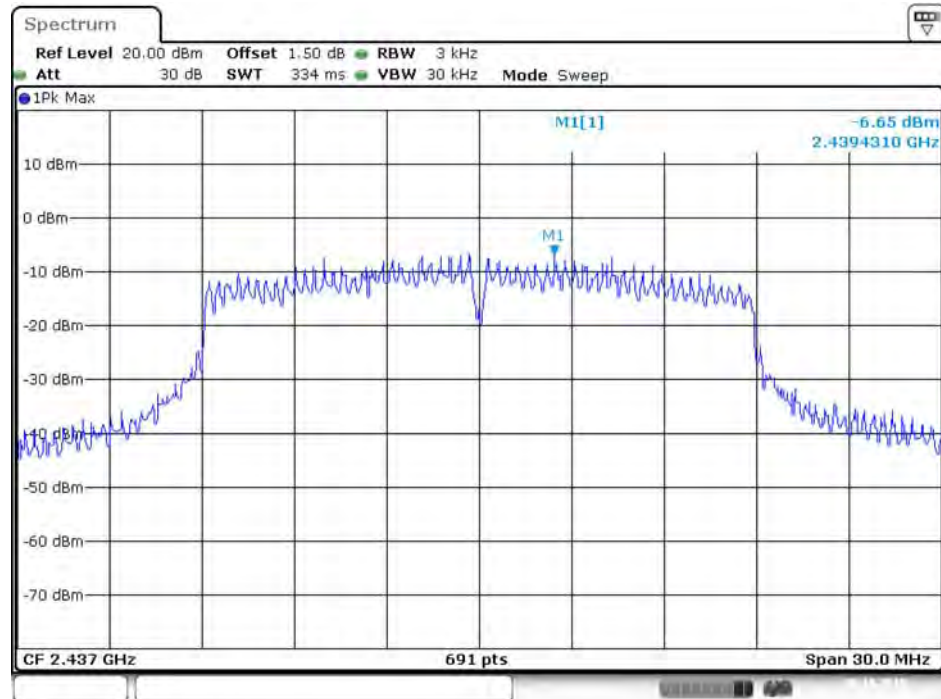
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

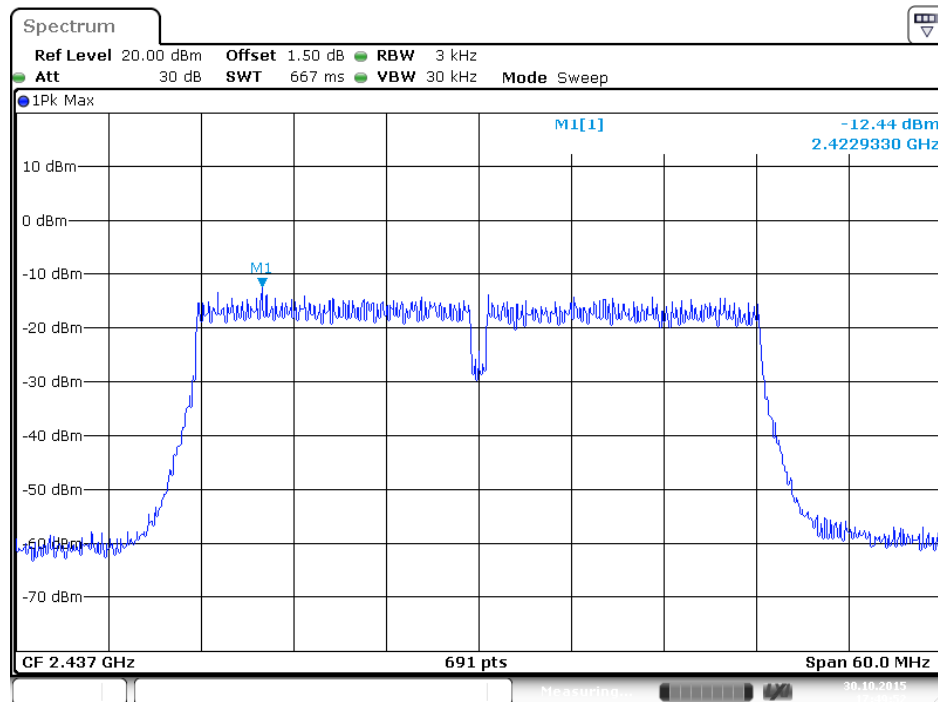


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



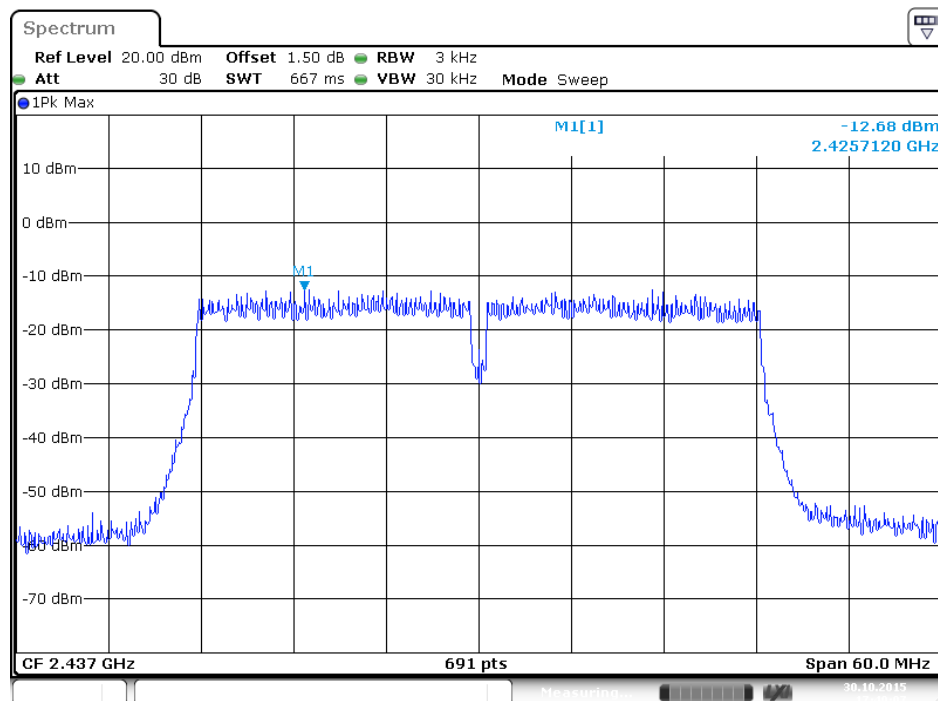
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



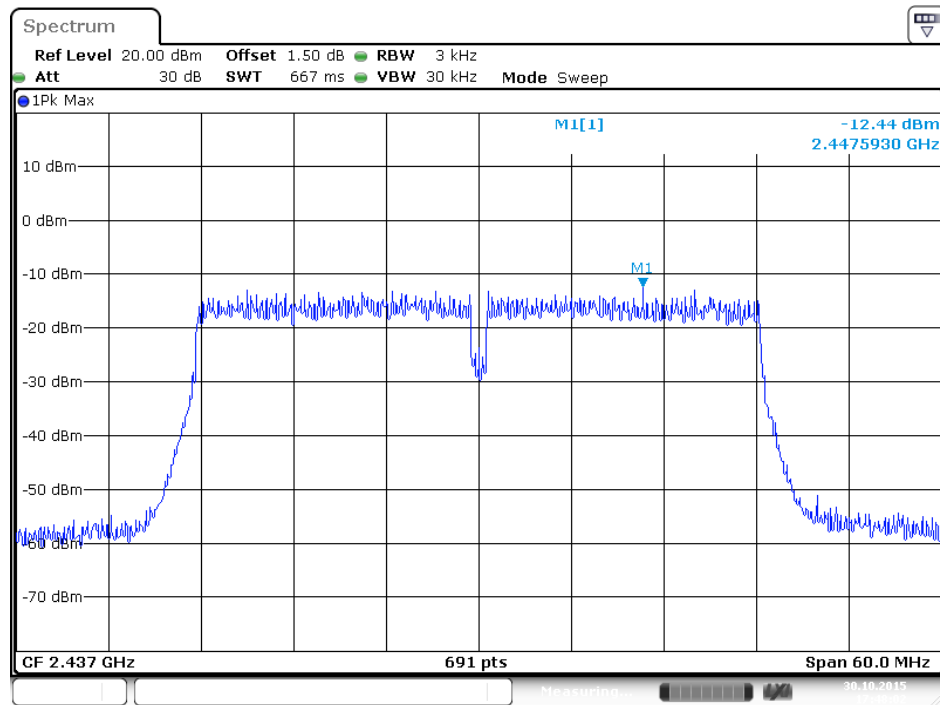
Date: 30.OCT.2015 17:49:52

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Date: 30.OCT.2015 17:49:08

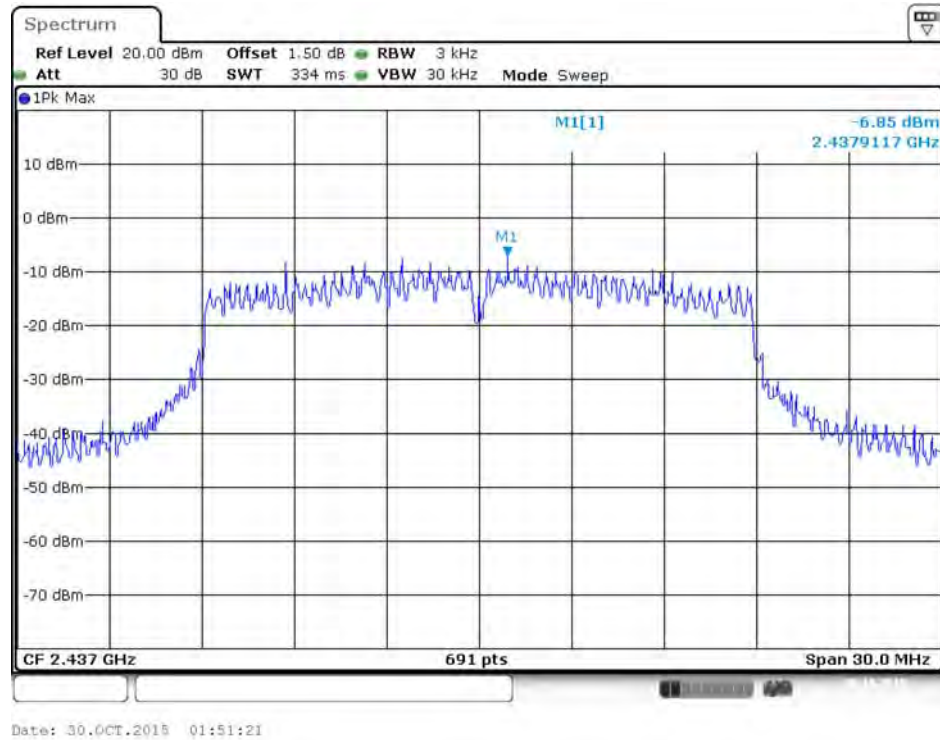
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



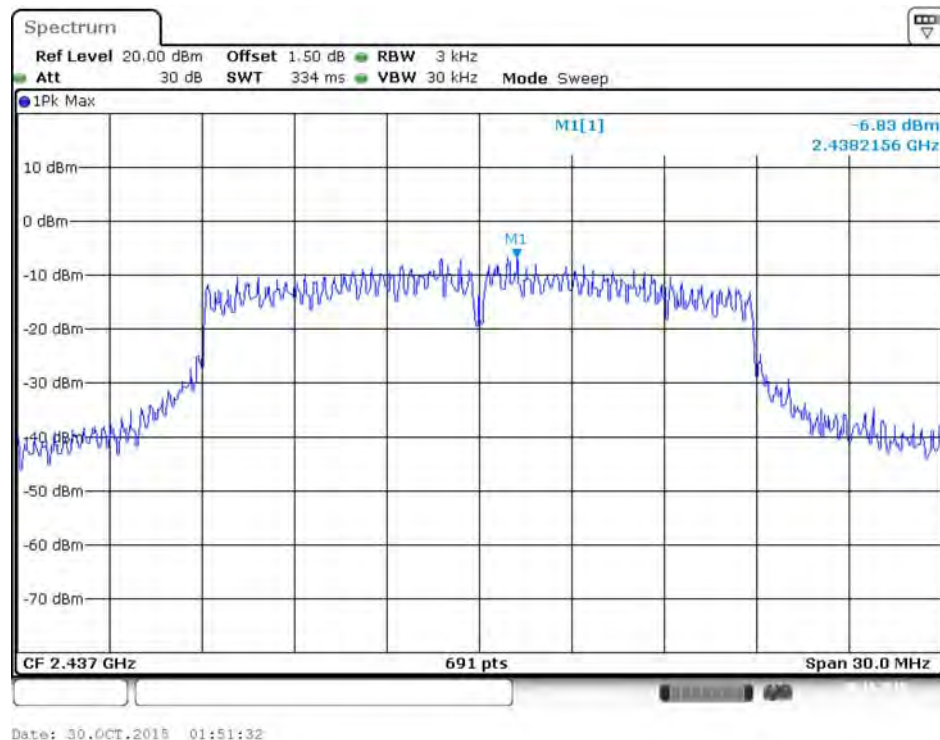
Date: 30.OCT.2015 17:48:03

Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

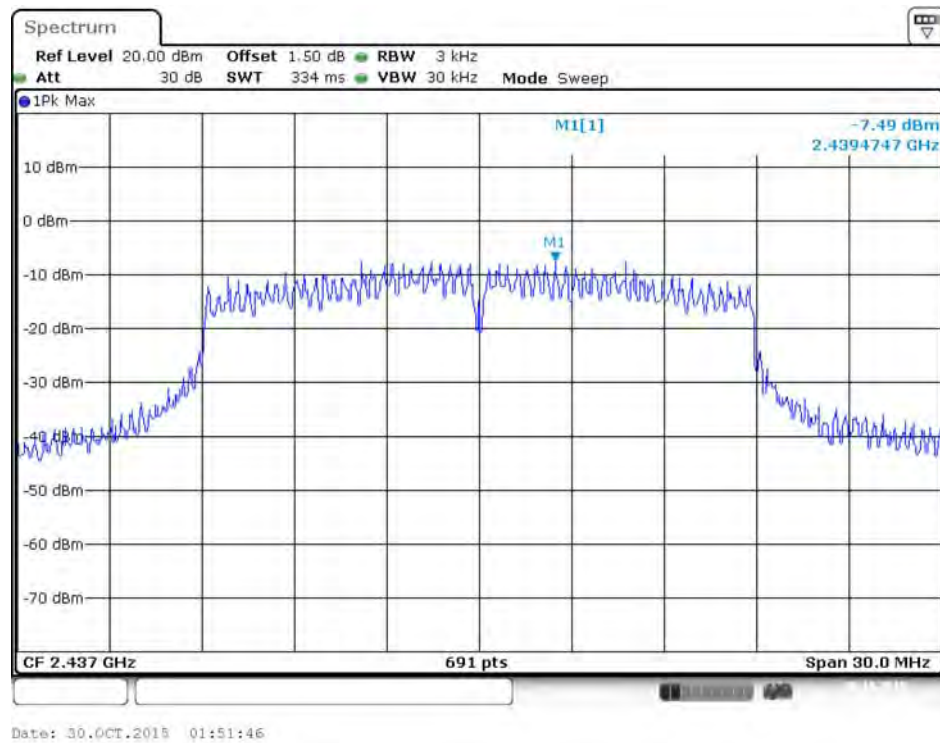
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



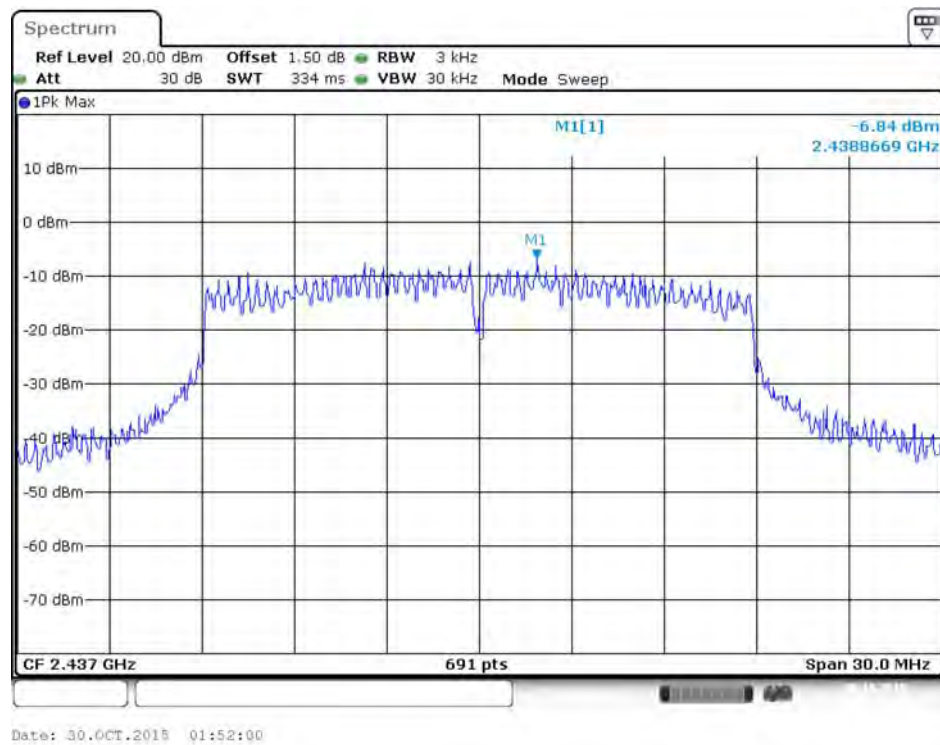
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



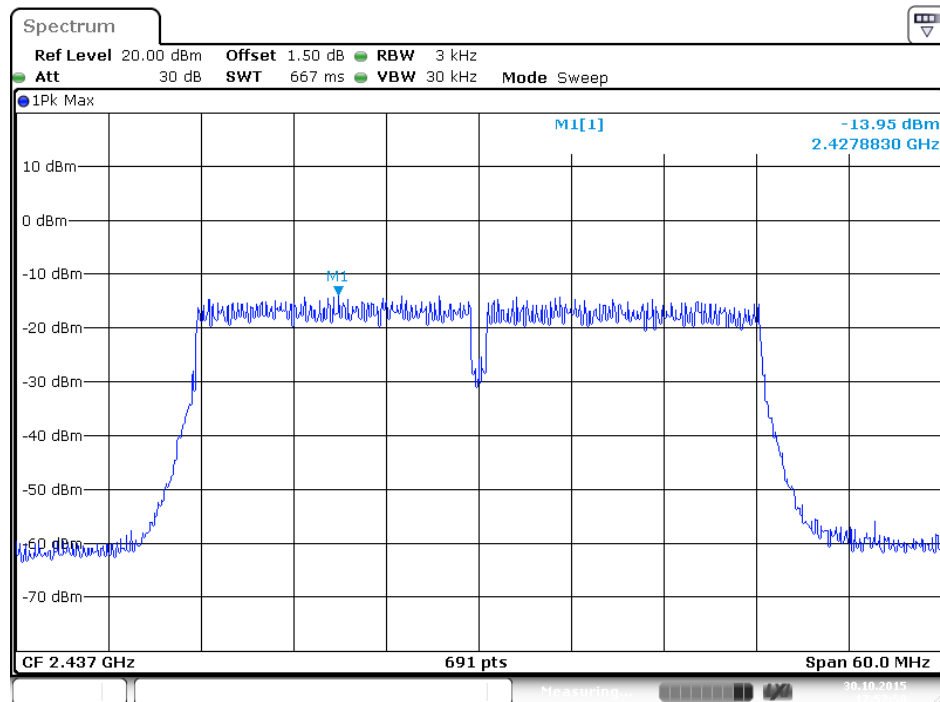
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



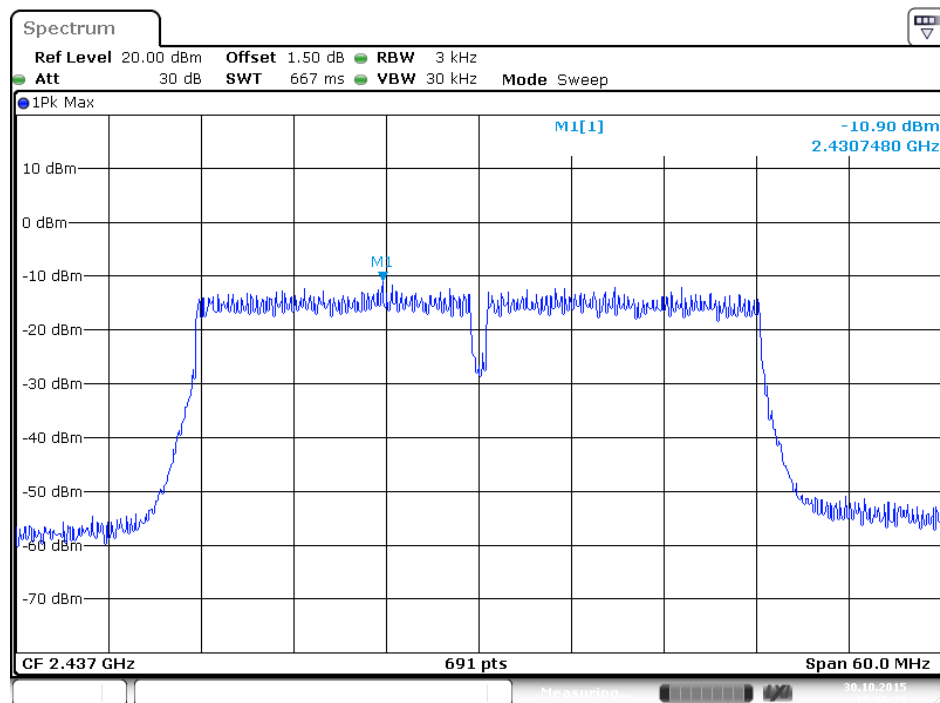
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



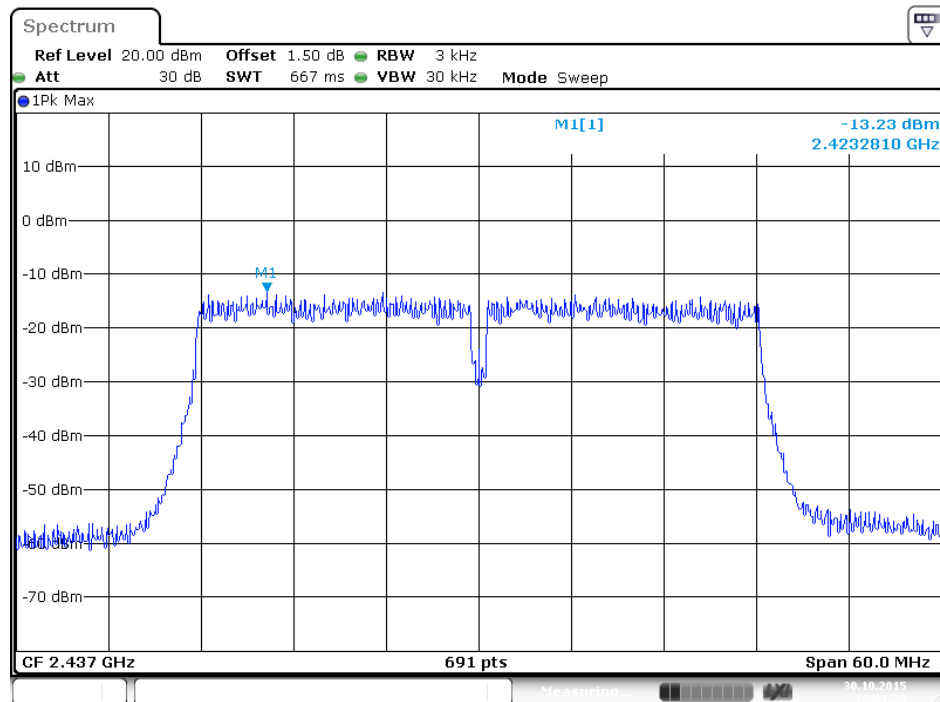
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2

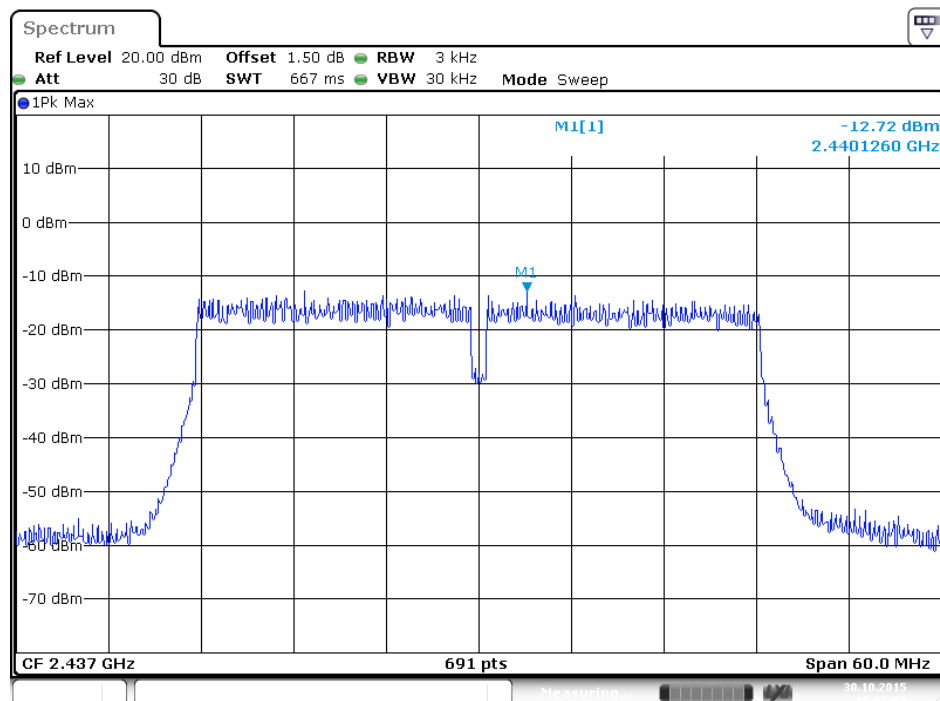


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Date: 30.OCT.2015 18:01:28

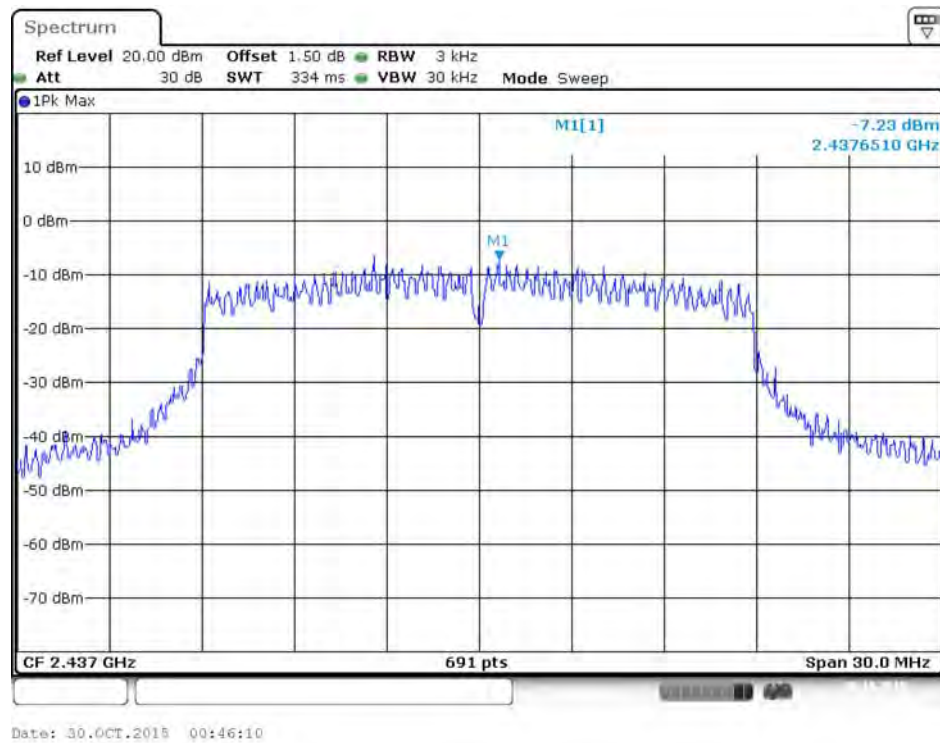
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



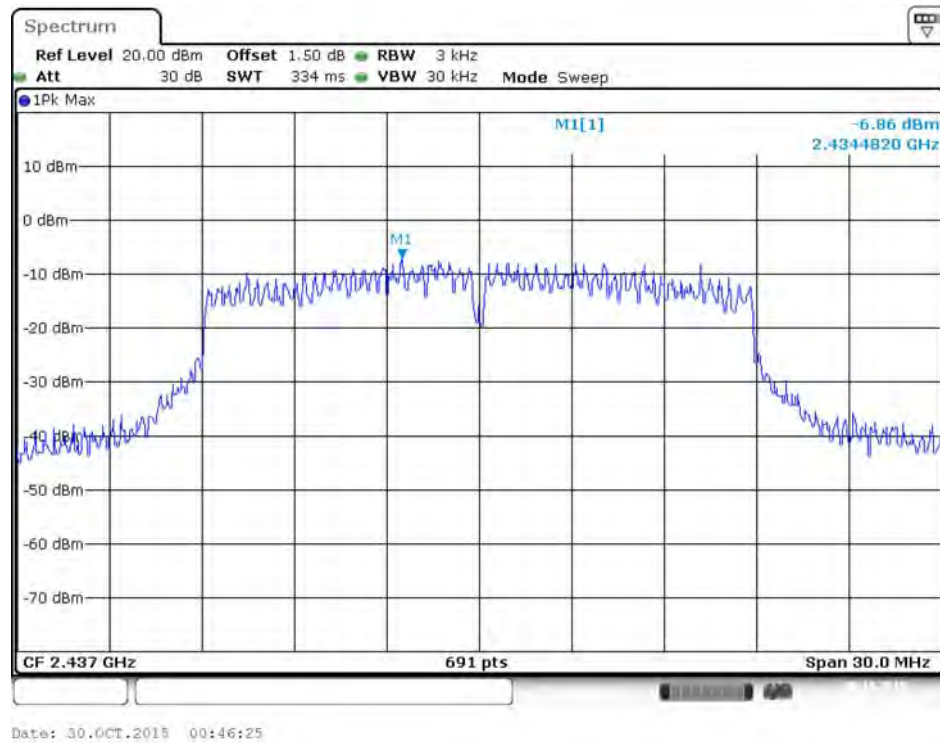
Date: 30.OCT.2015 18:02:09

Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)

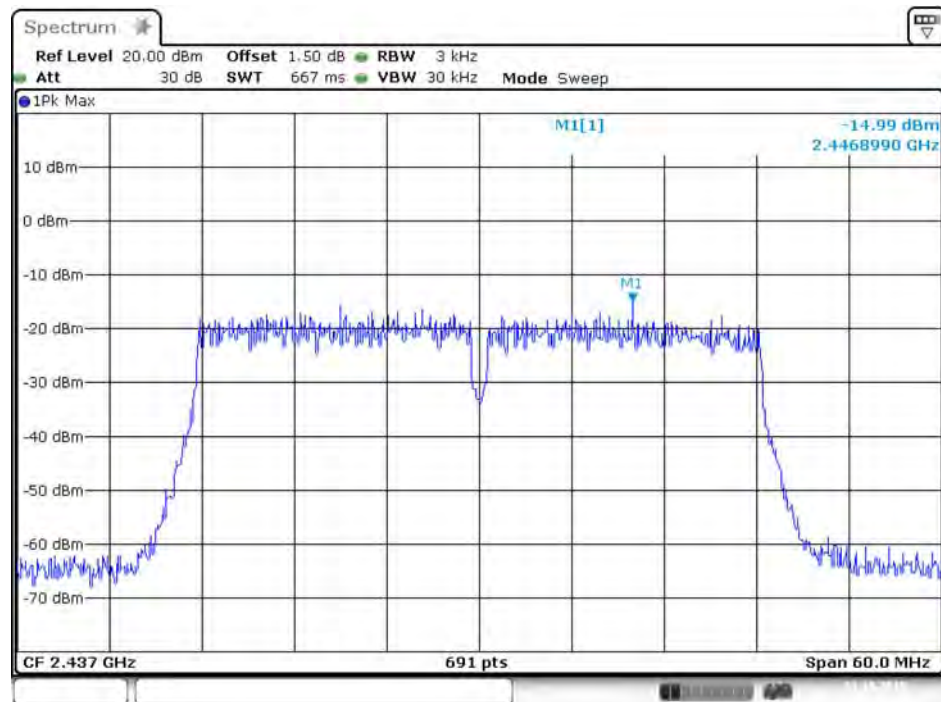
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

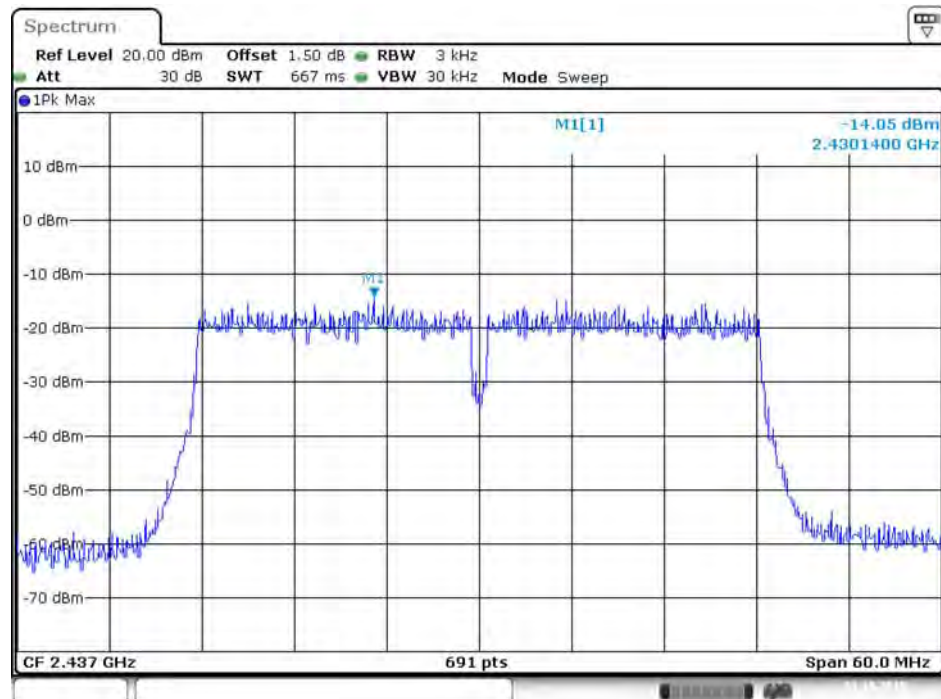


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Date: 31.OCT.2015 22:49:36

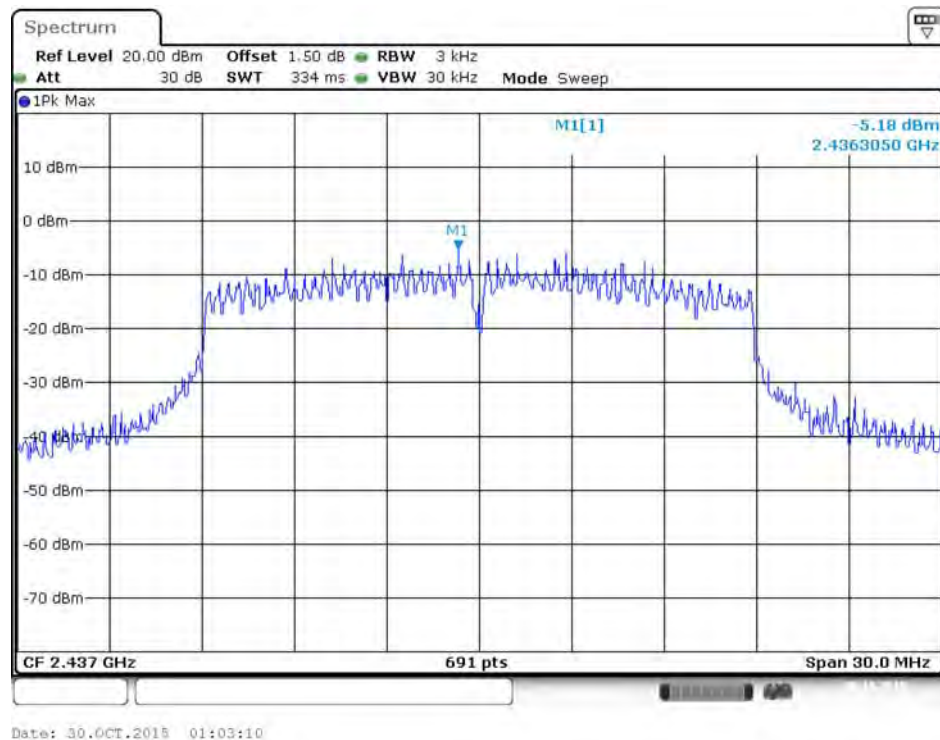
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



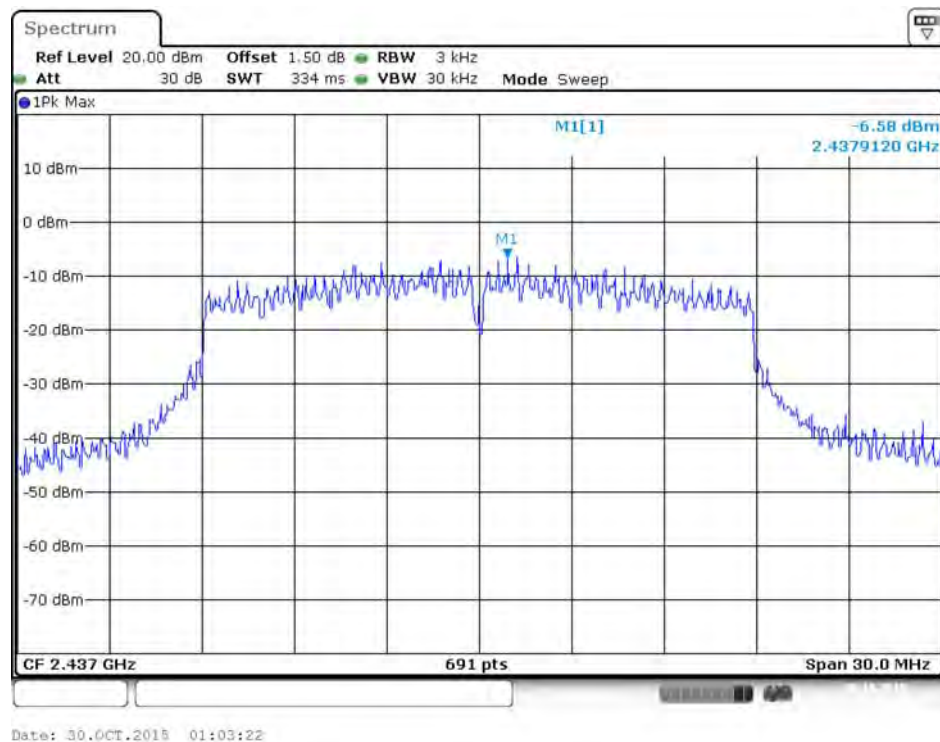
Date: 31.OCT.2015 22:49:51

Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)

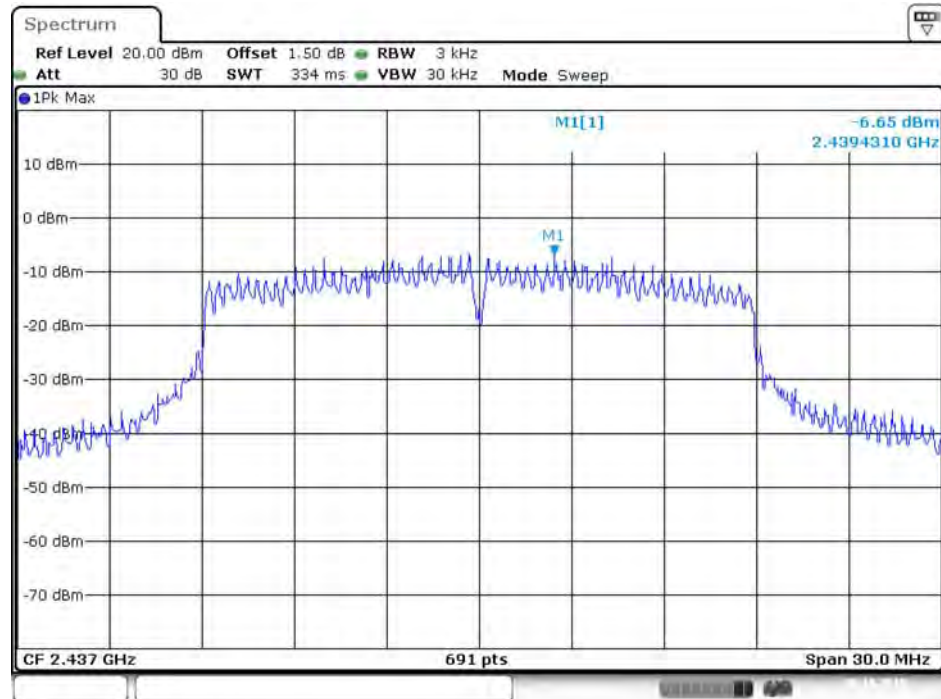
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

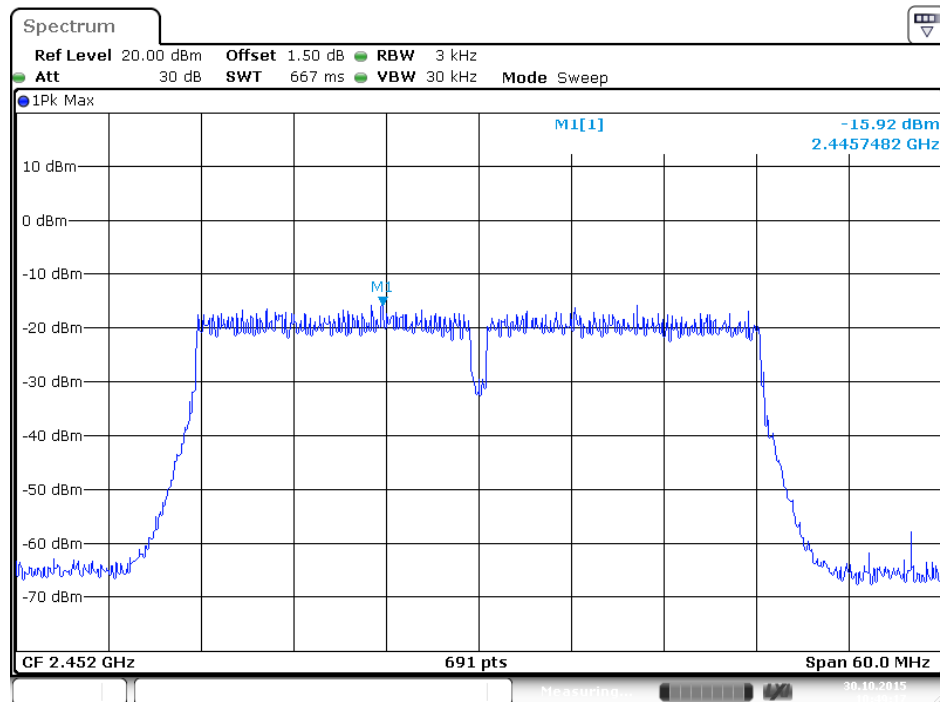


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



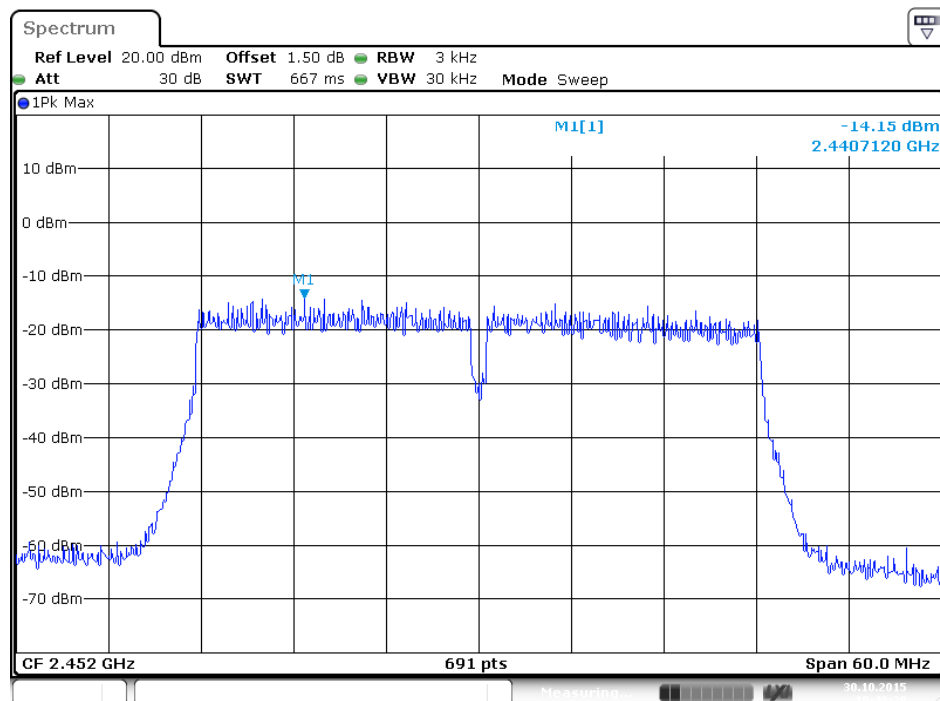
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



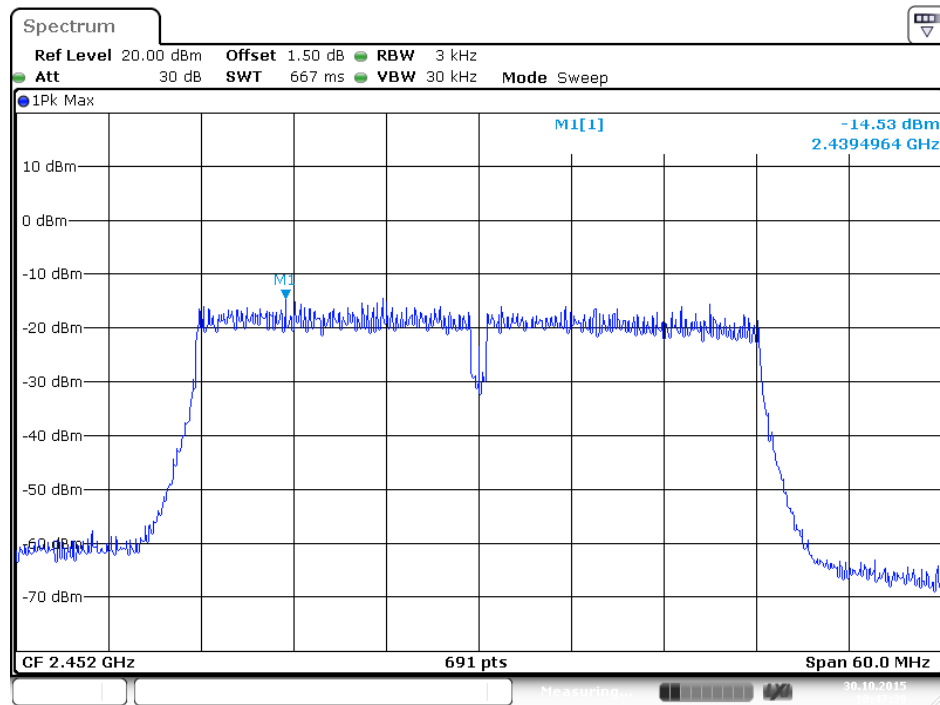
Date: 30.OCT.2015 10:49:17

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 2



Date: 30.OCT.2015 10:48:28

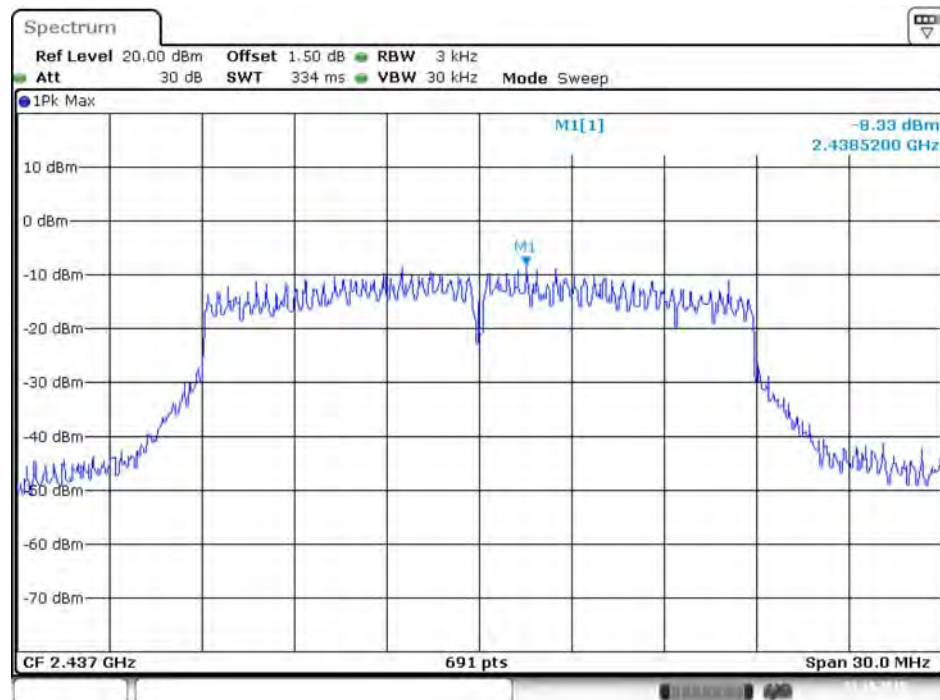
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 3



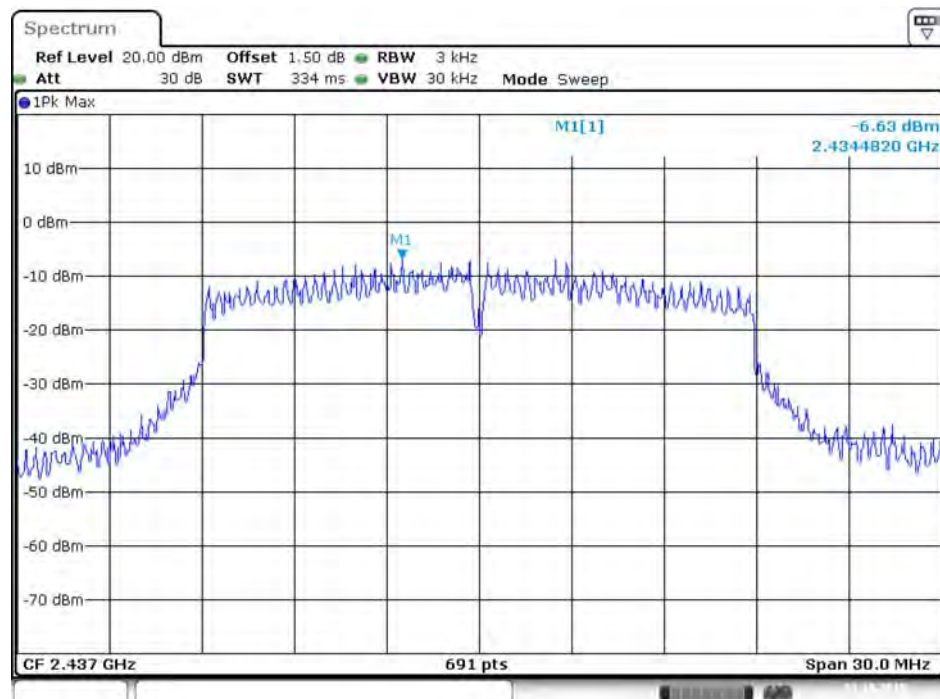
Date: 30.OCT.2015 10:47:39

Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

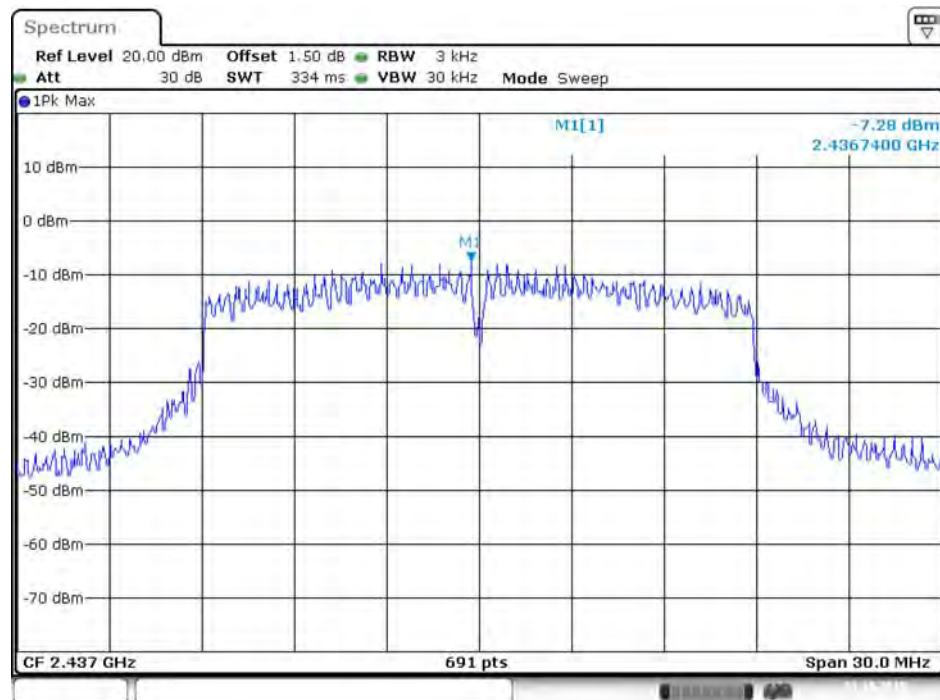
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

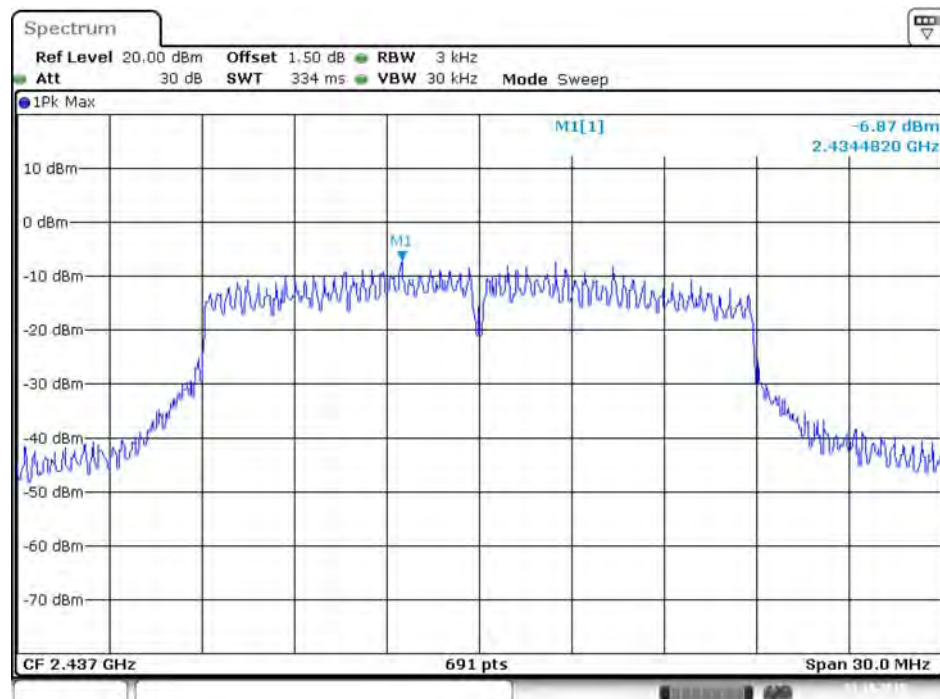


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



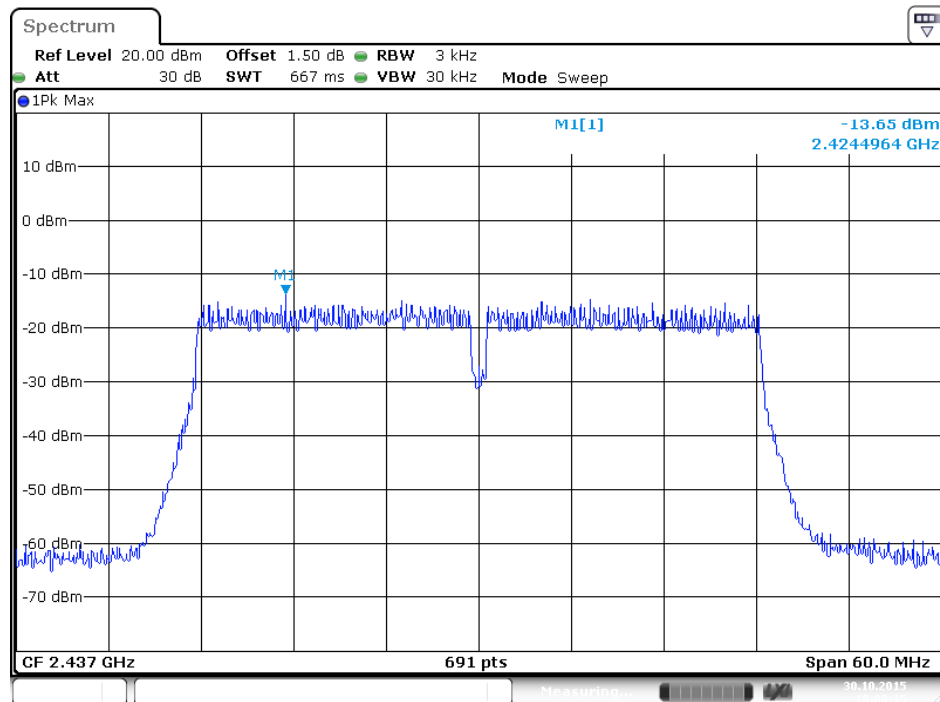
Date: 31.OCT.2015 22:35:32

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4

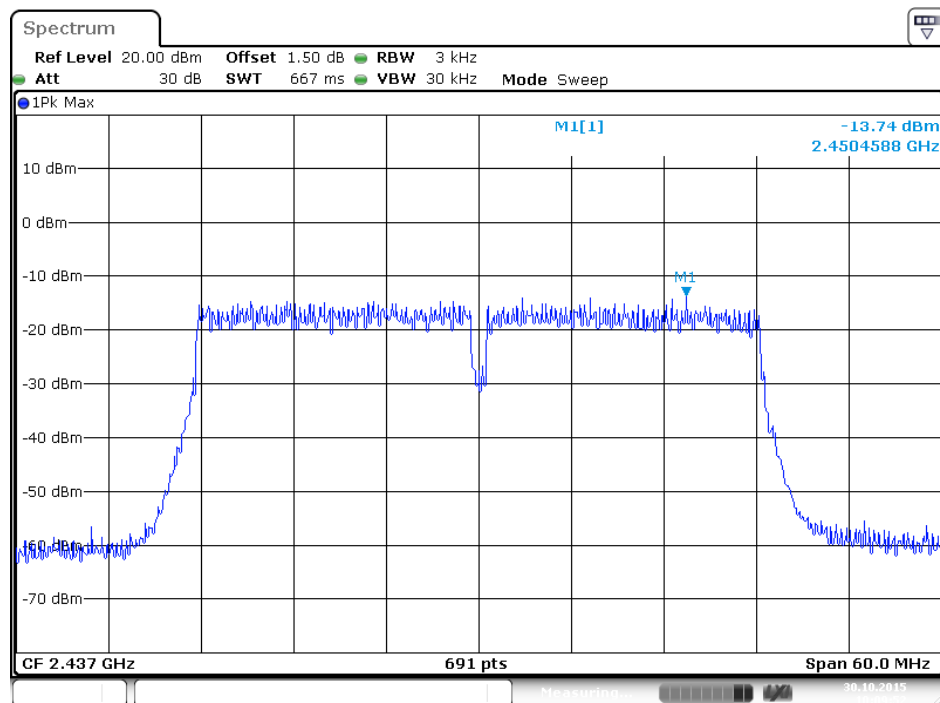


Date: 31.OCT.2015 22:35:43

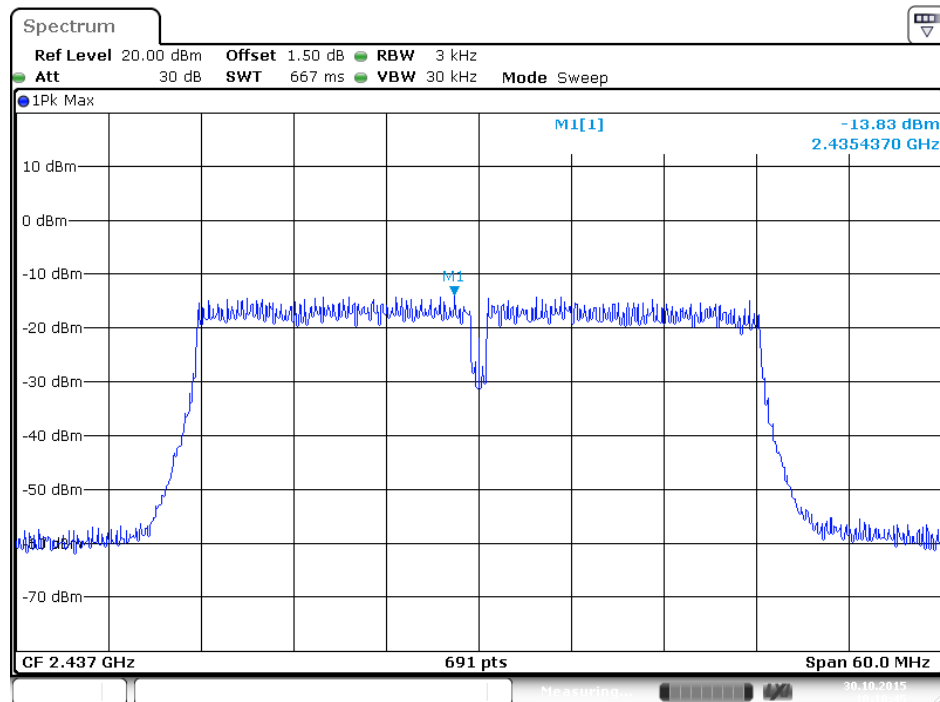
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



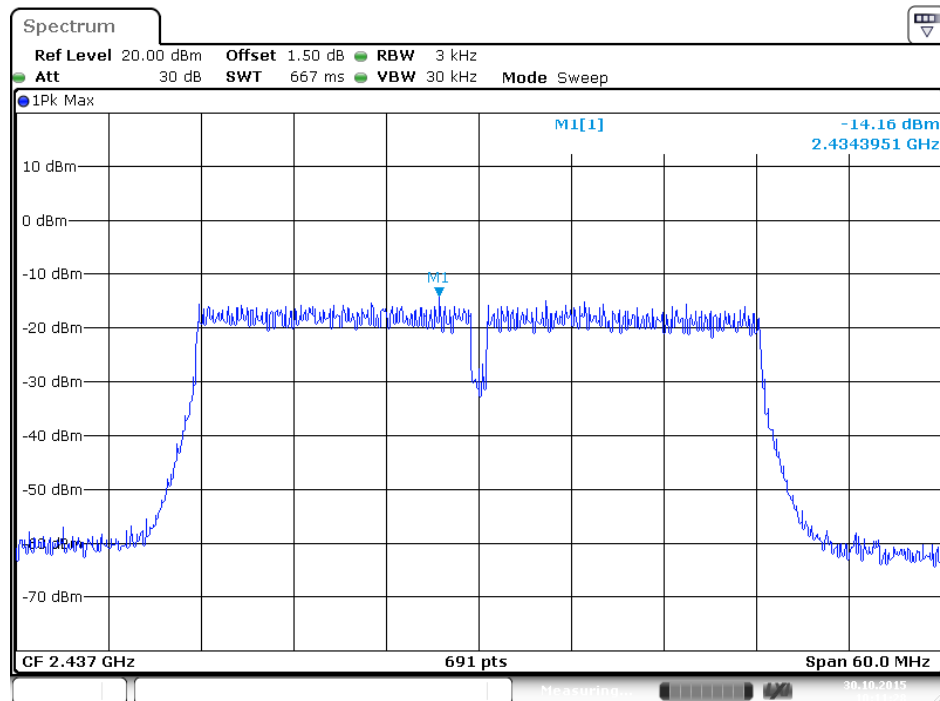
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3

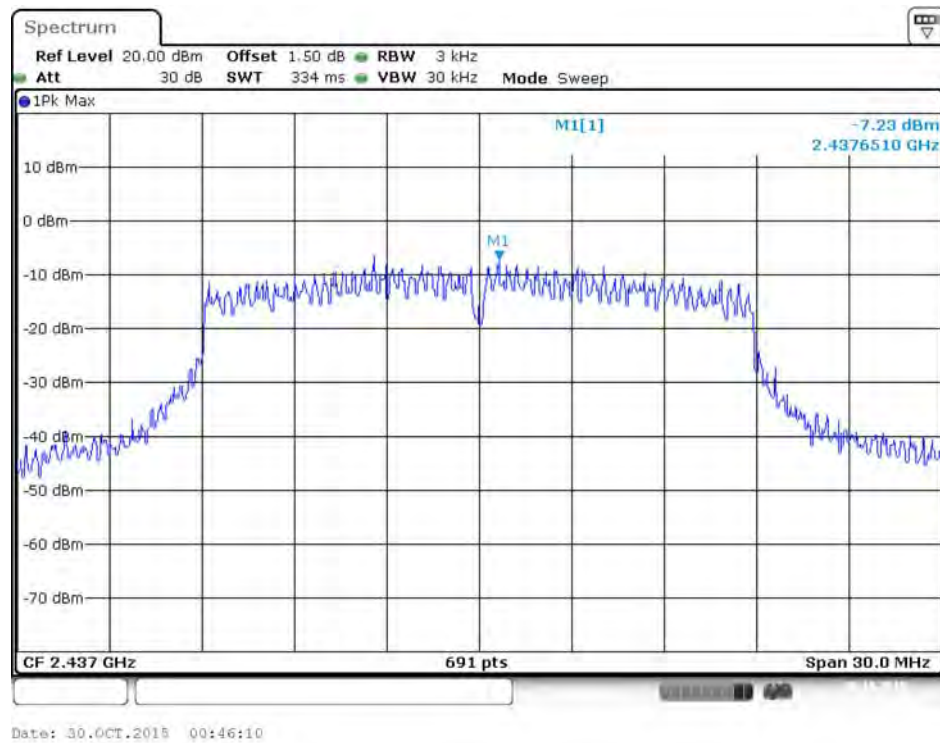


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4

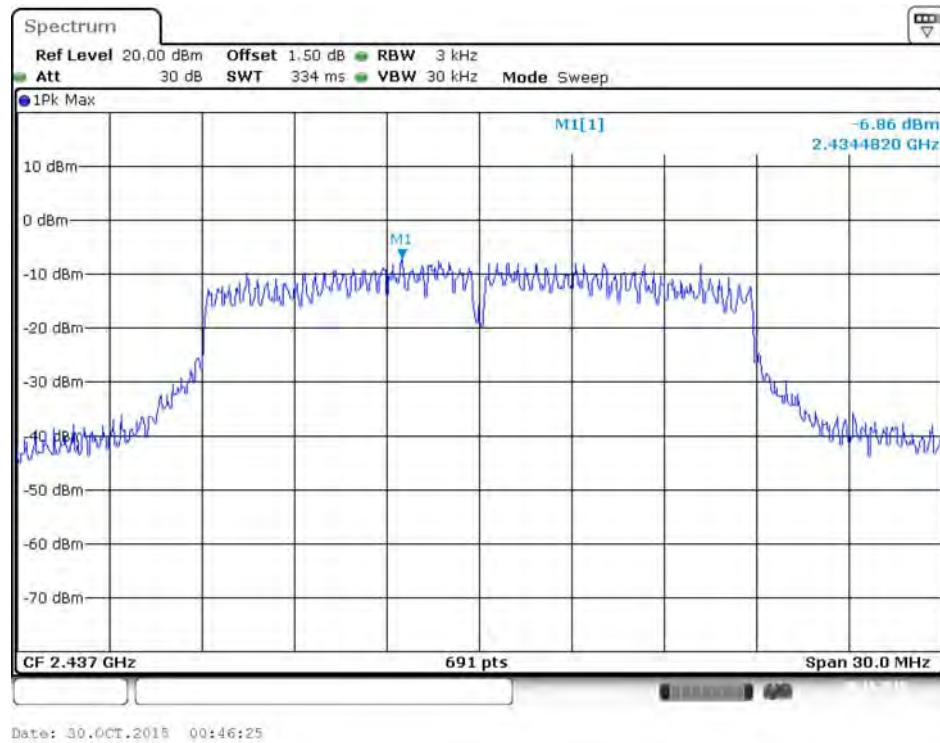


Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)

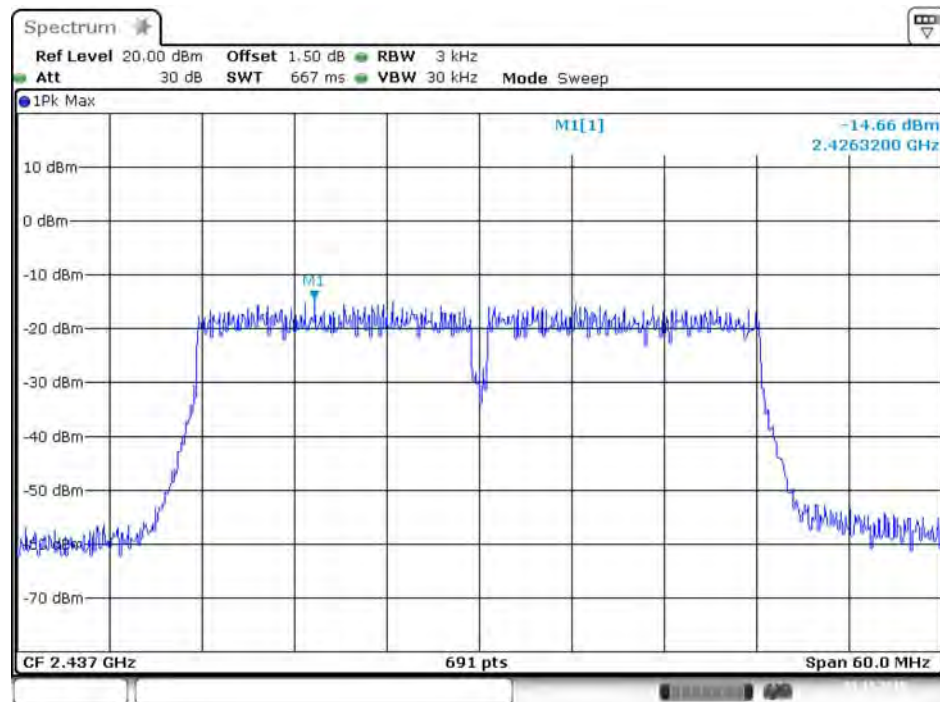
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

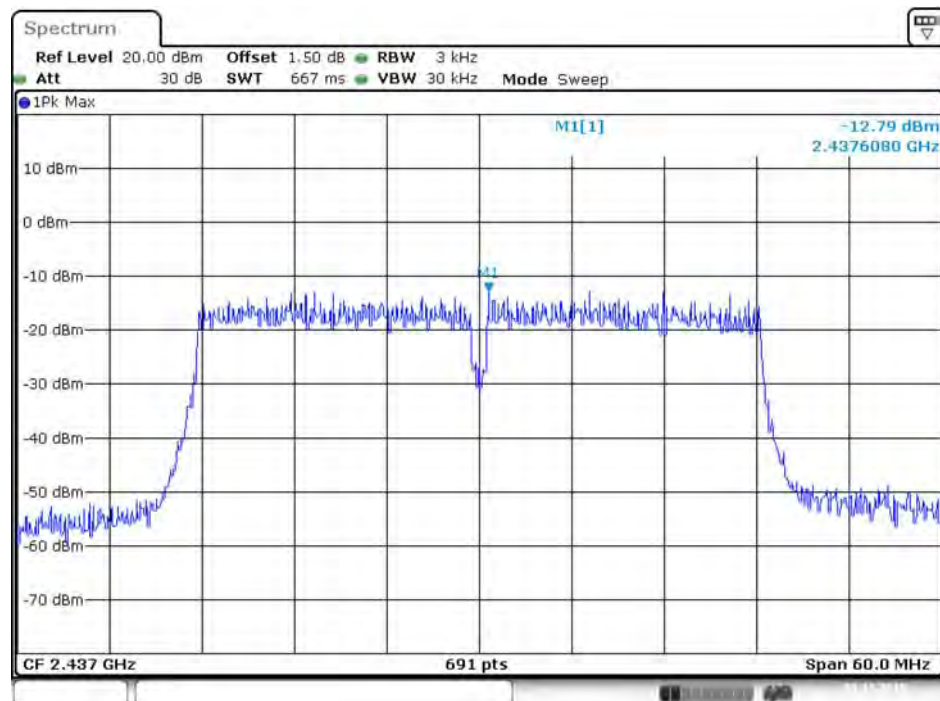


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



Date: 1.NOV.2015 00:53:51

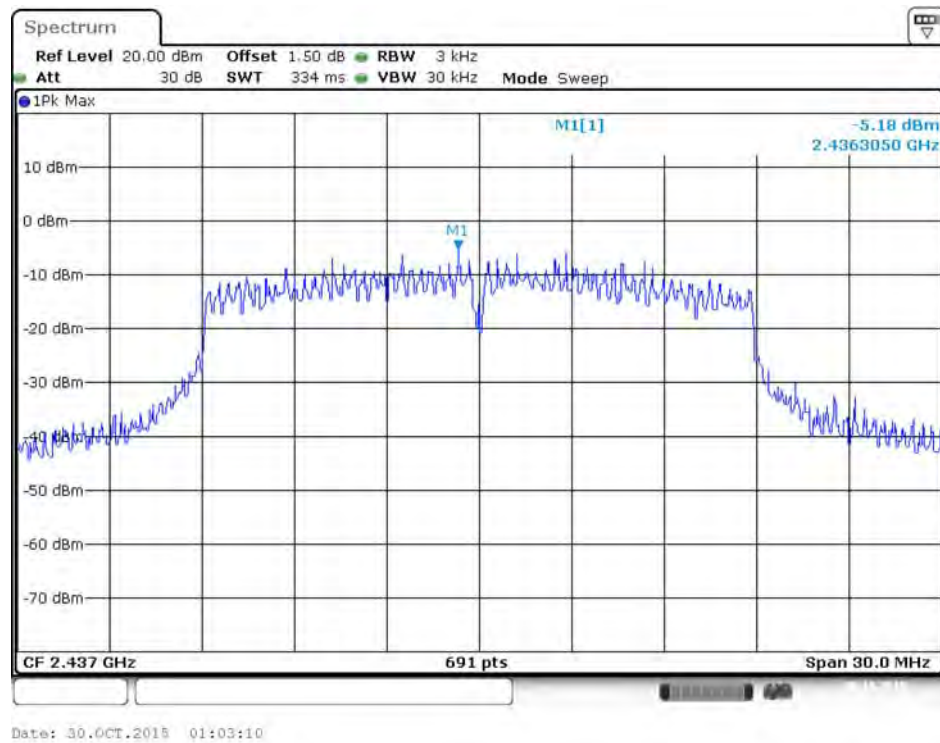
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



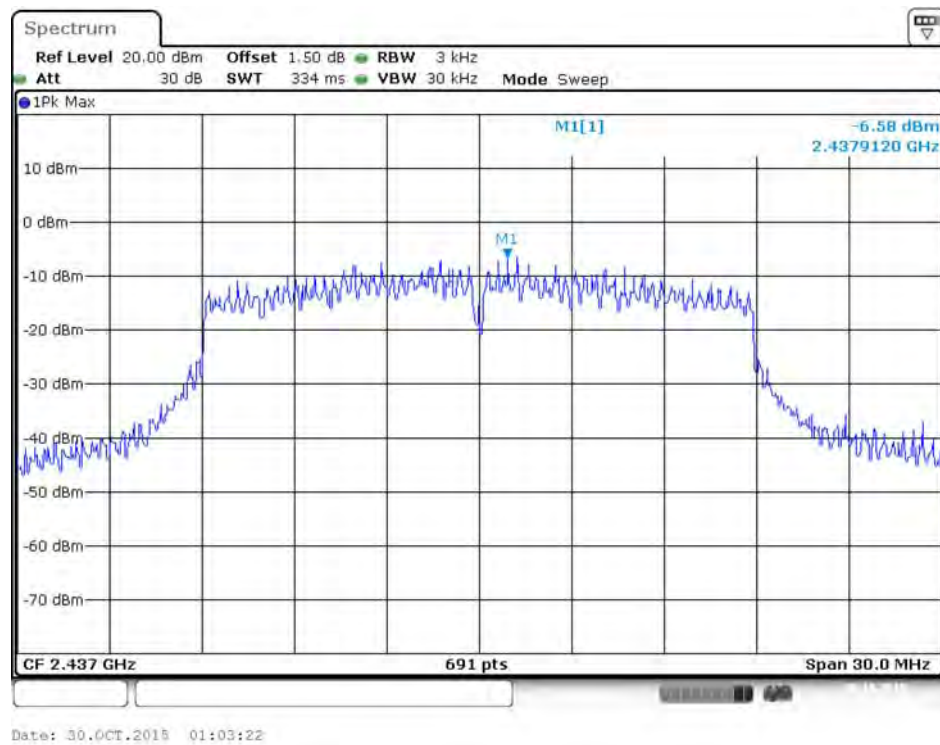
Date: 1.NOV.2015 00:53:44

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)

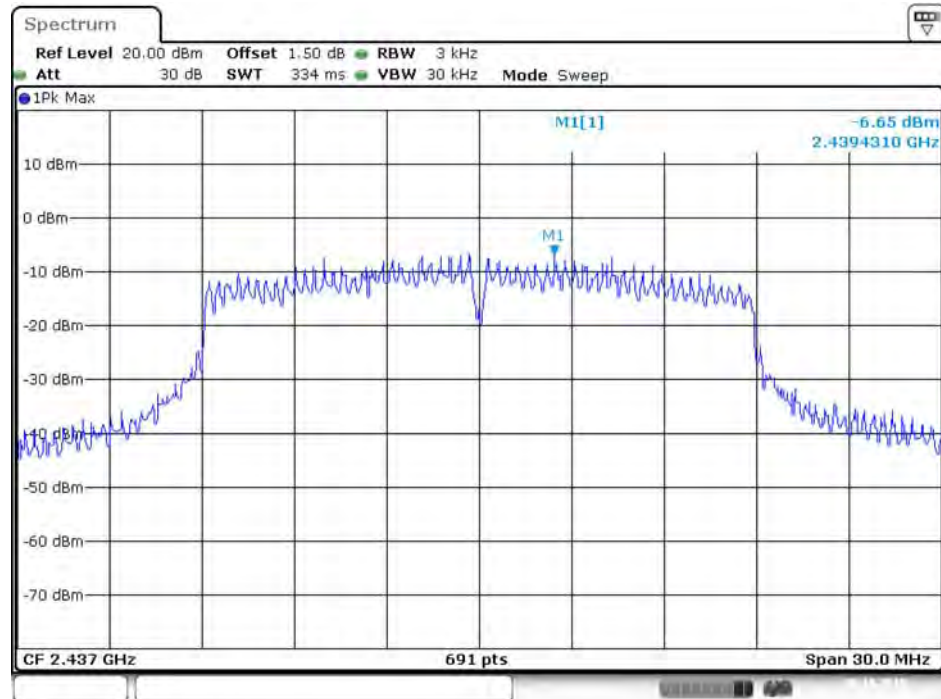
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

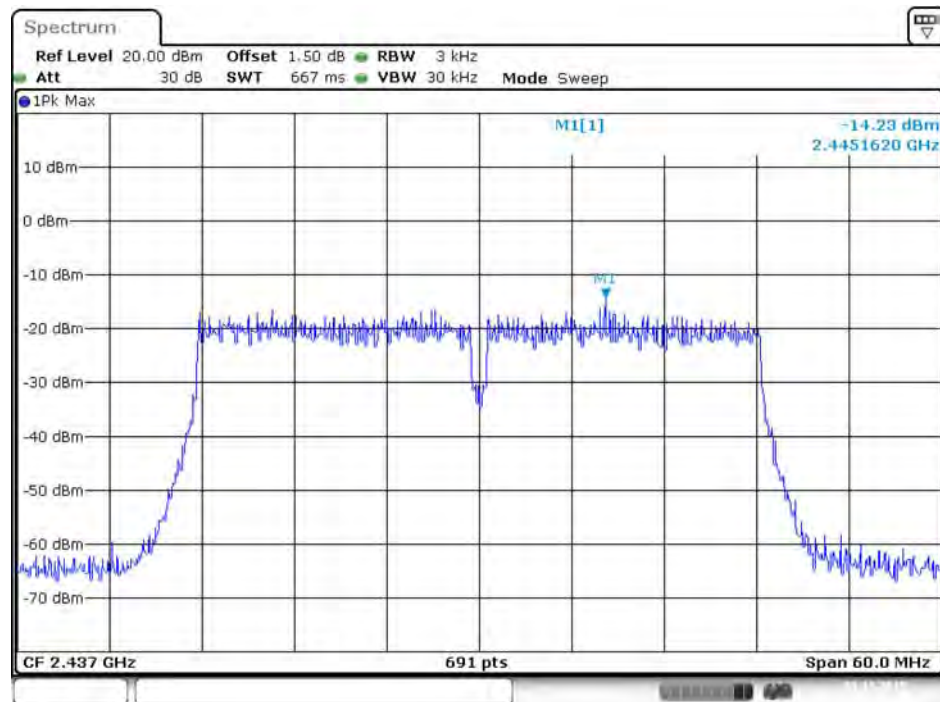


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



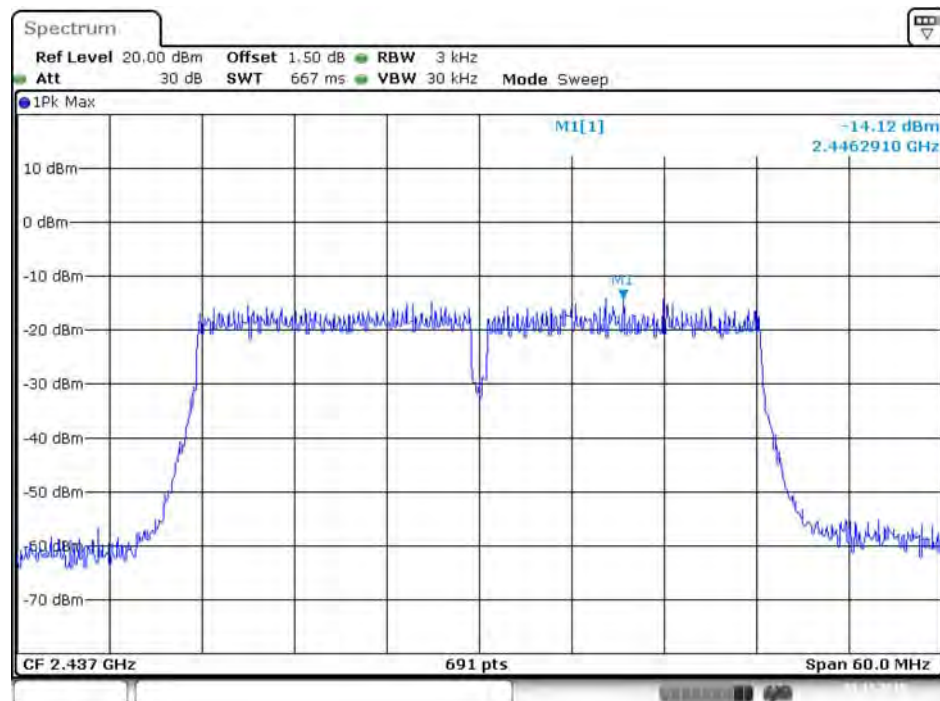
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



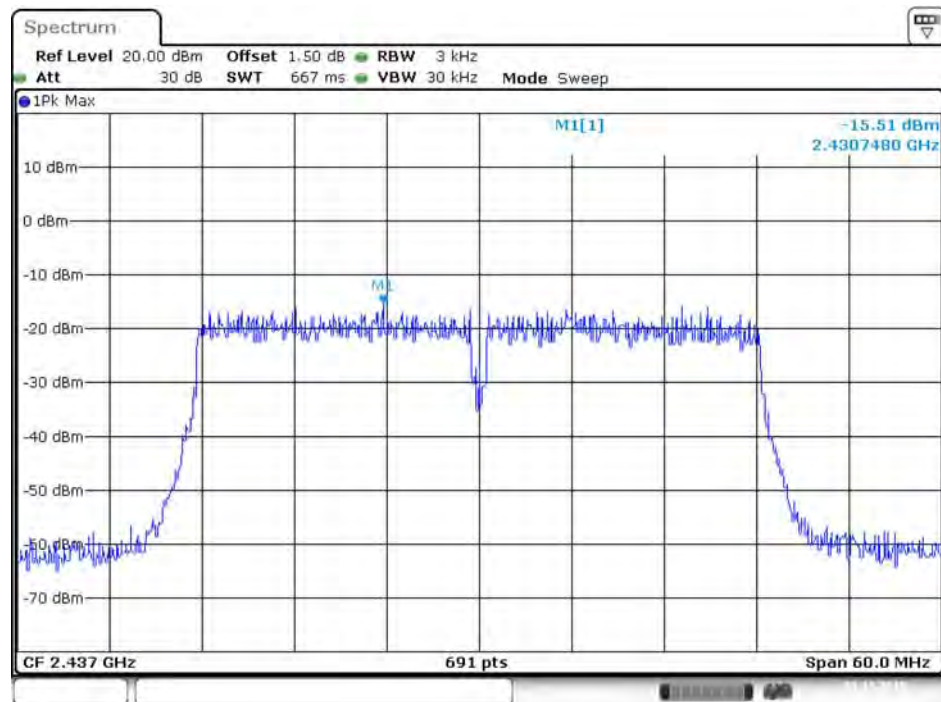
Date: 1.NOV.2015 00:51:05

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



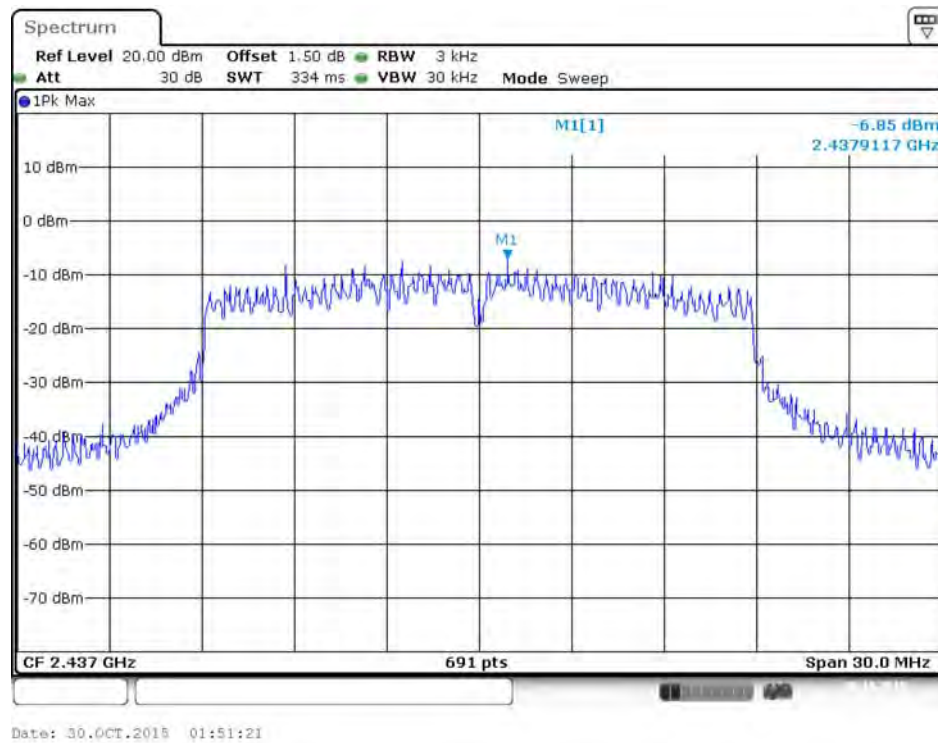
Date: 1.NOV.2015 00:51:16

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3

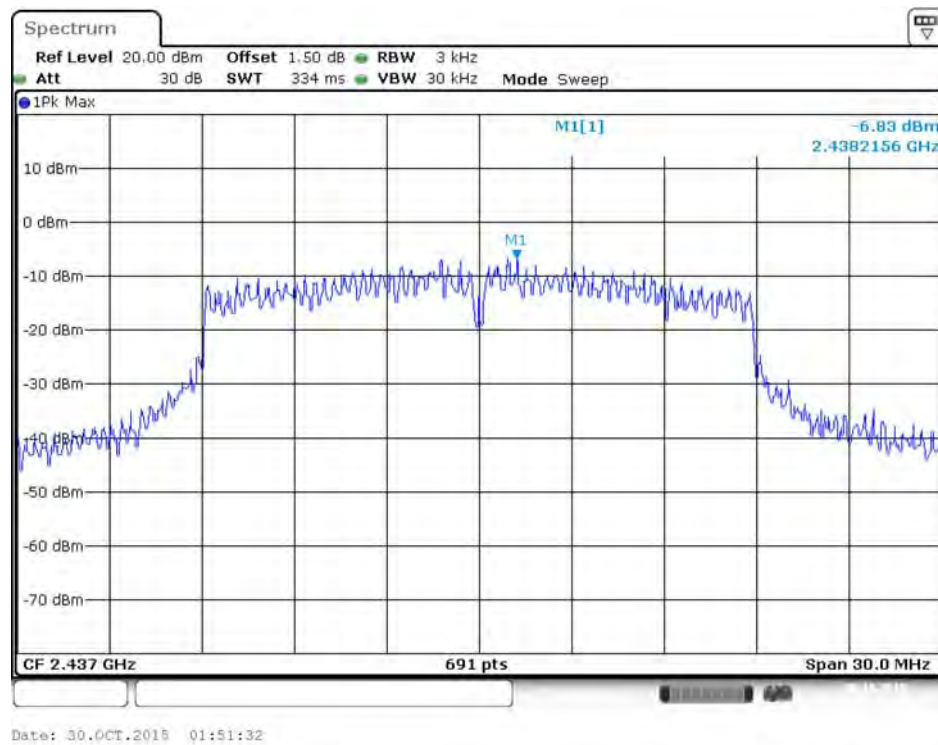


Date: 1 NOV 2015 00:51:28

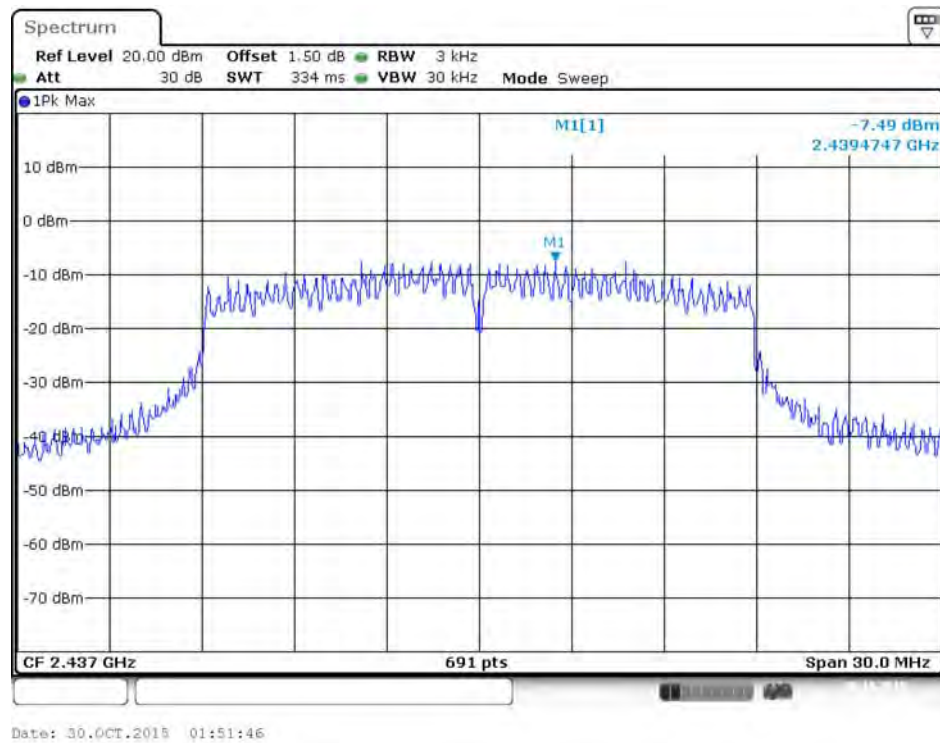
Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



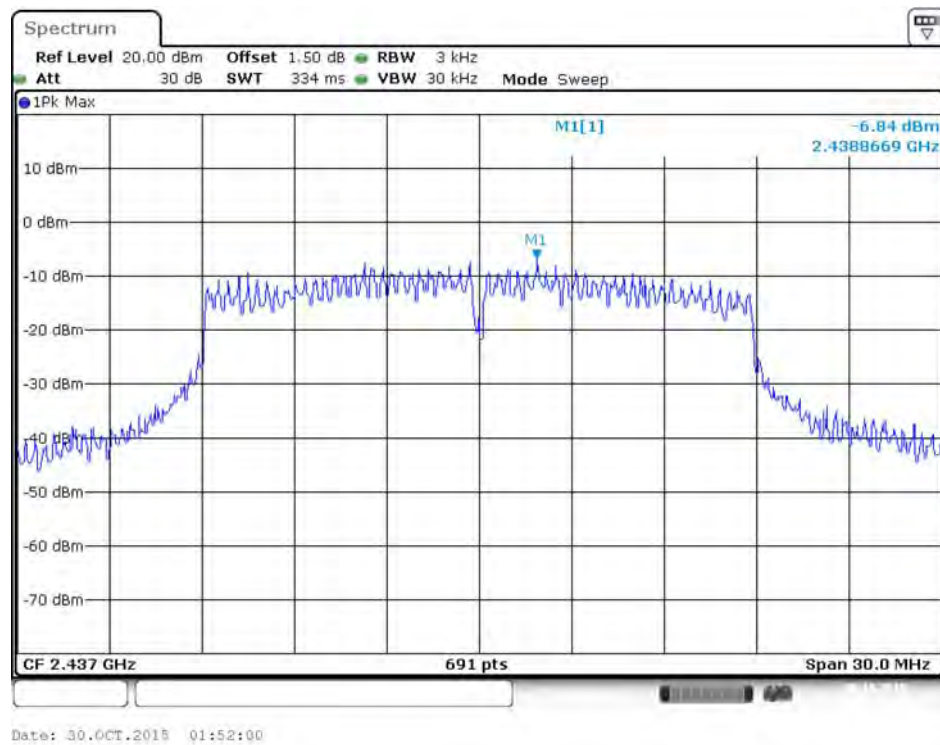
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



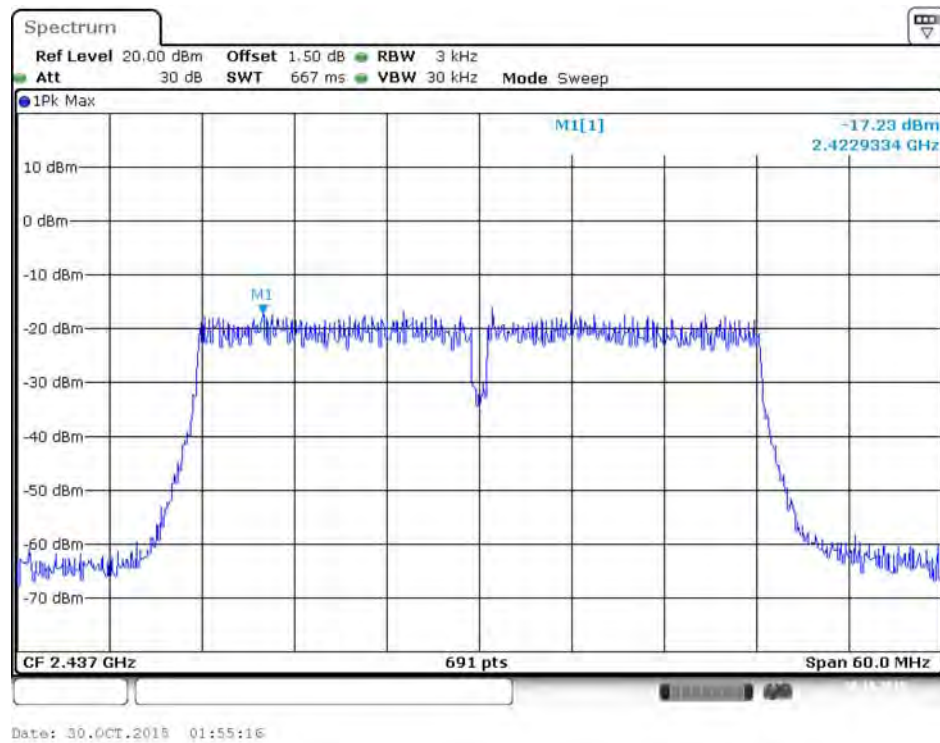
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



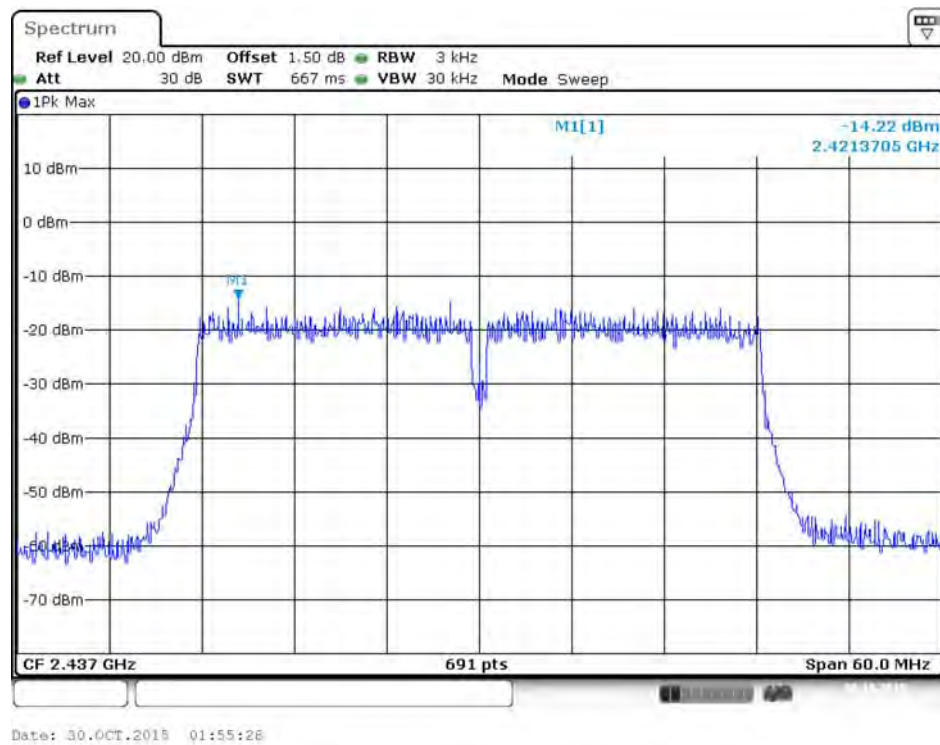
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



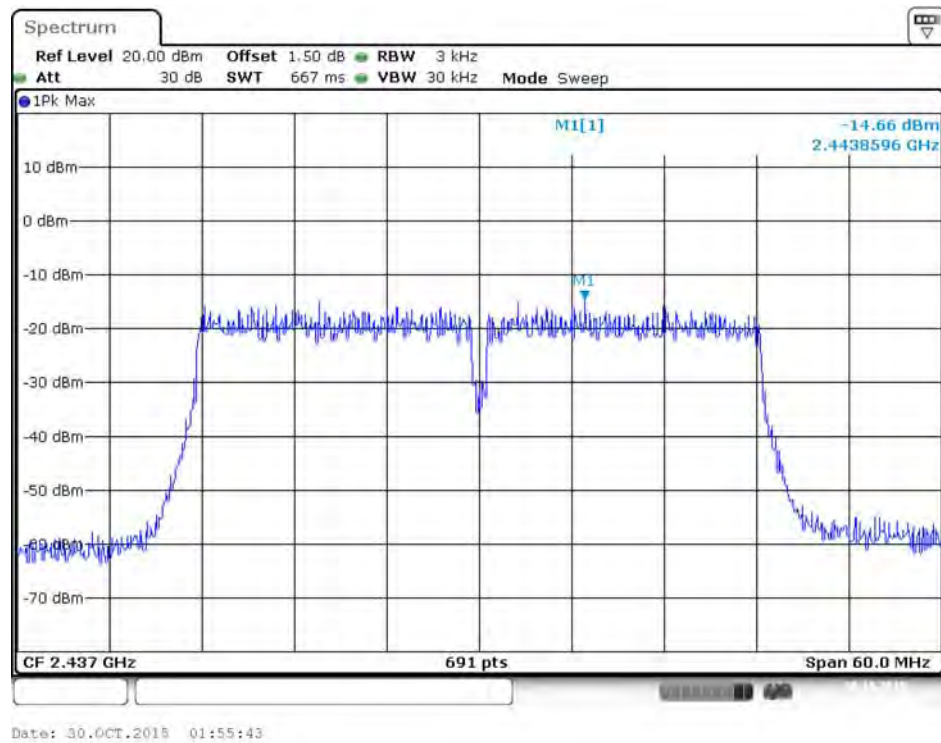
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



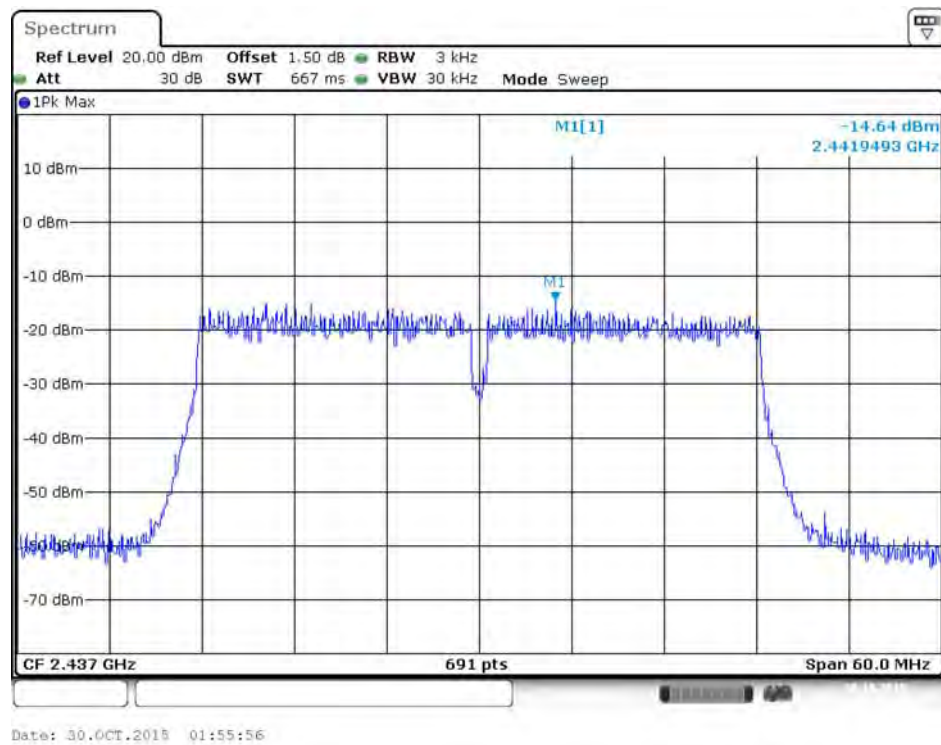
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3

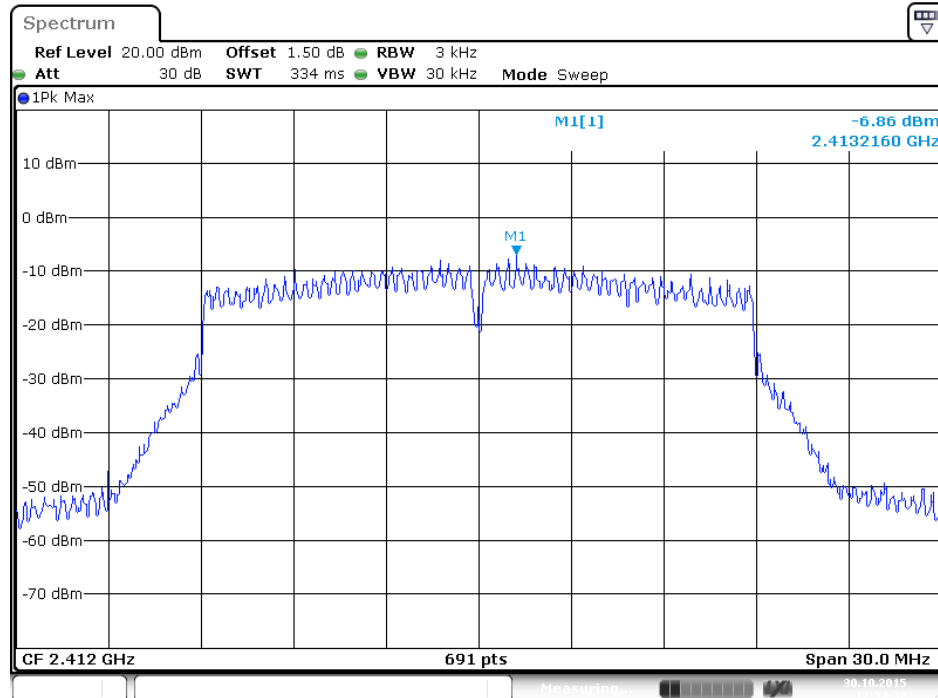


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



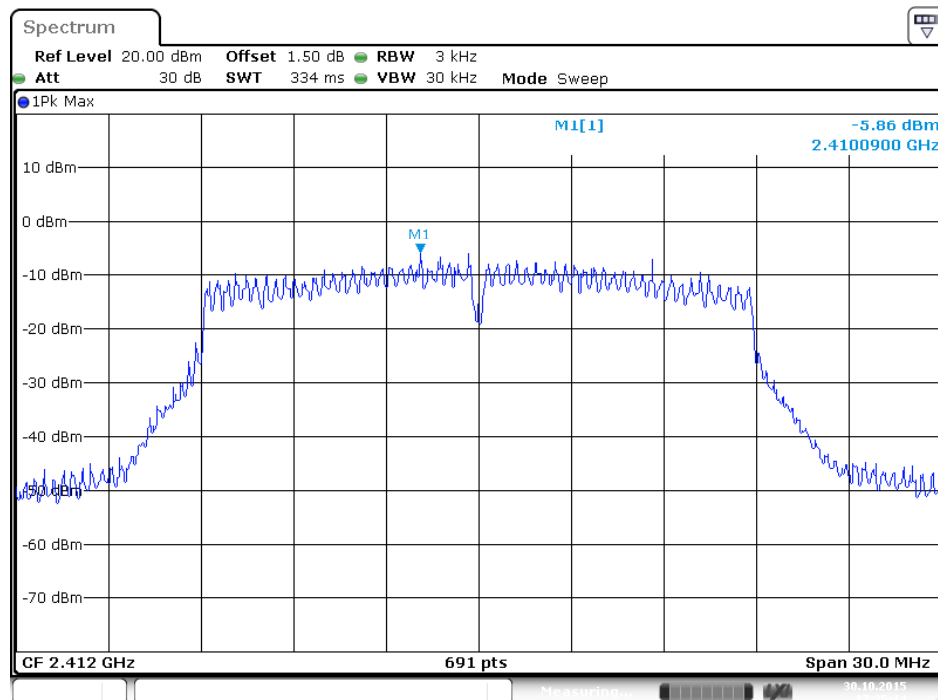
Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



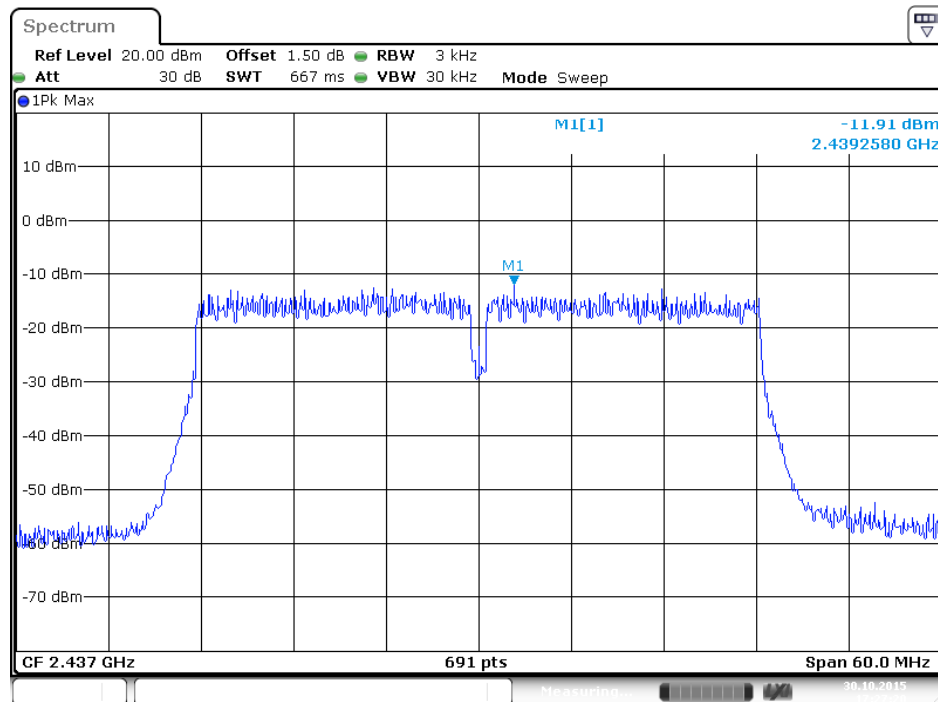
Date: 30.OCT.2015 17:34:32

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 2

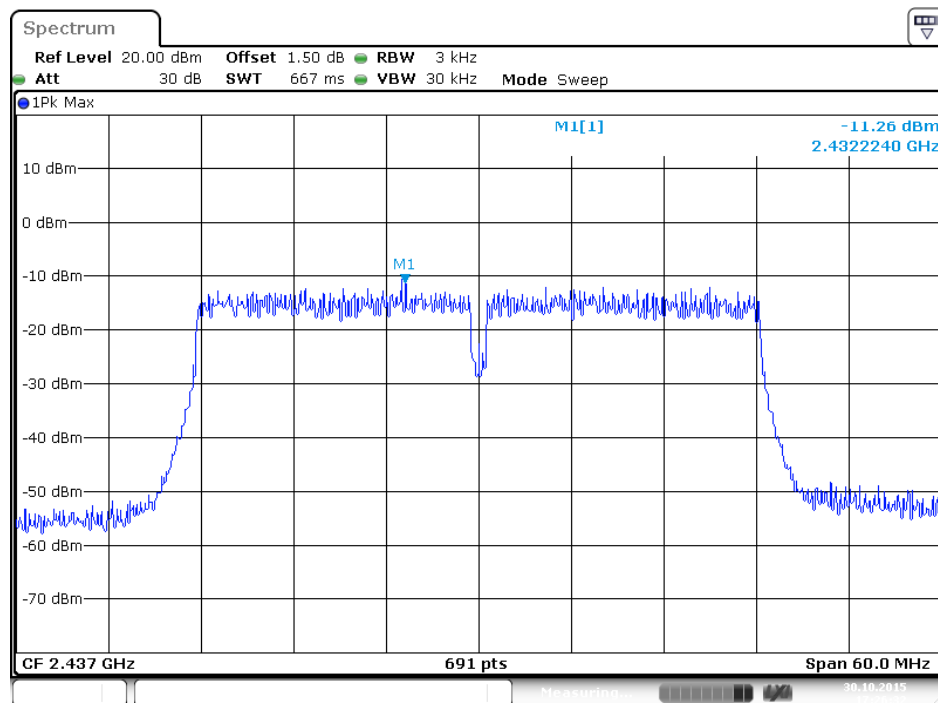


Date: 30.OCT.2015 17:35:14

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1

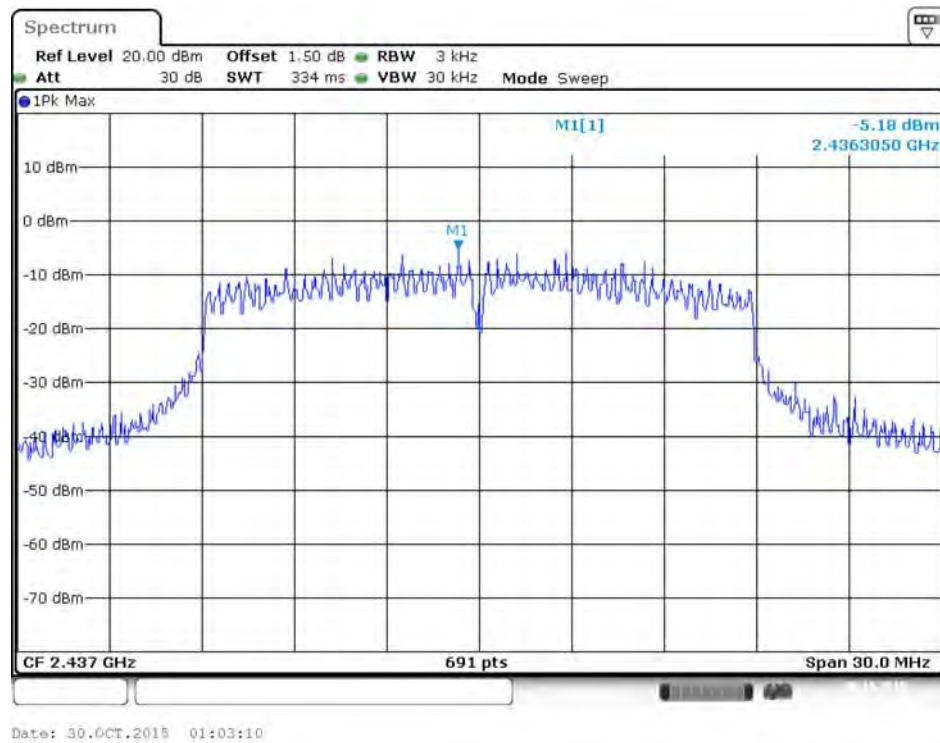


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2

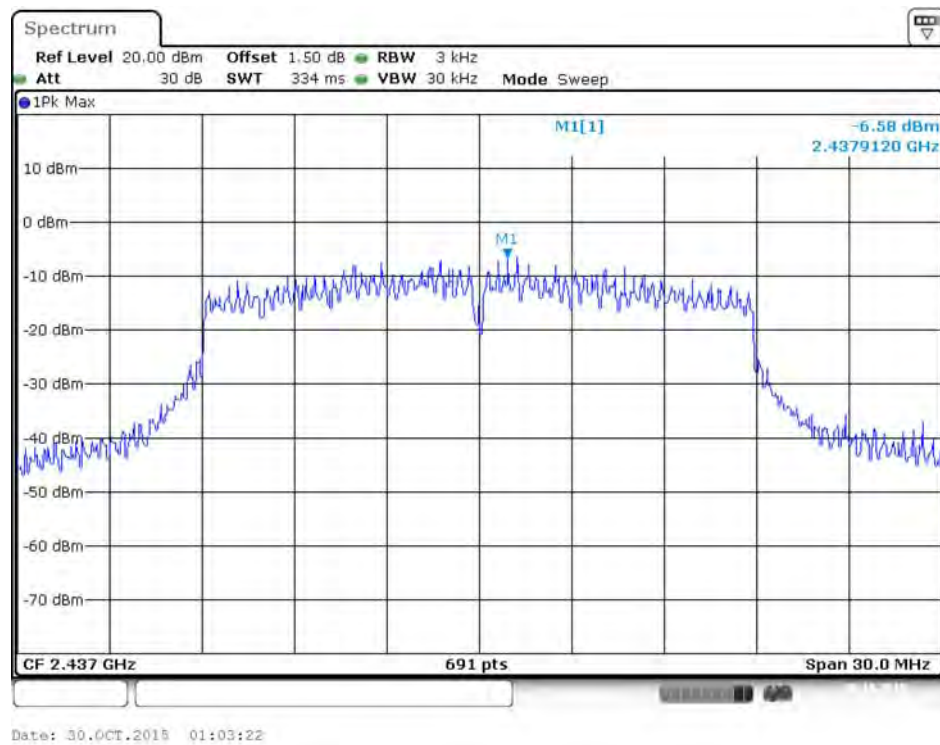


Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX)

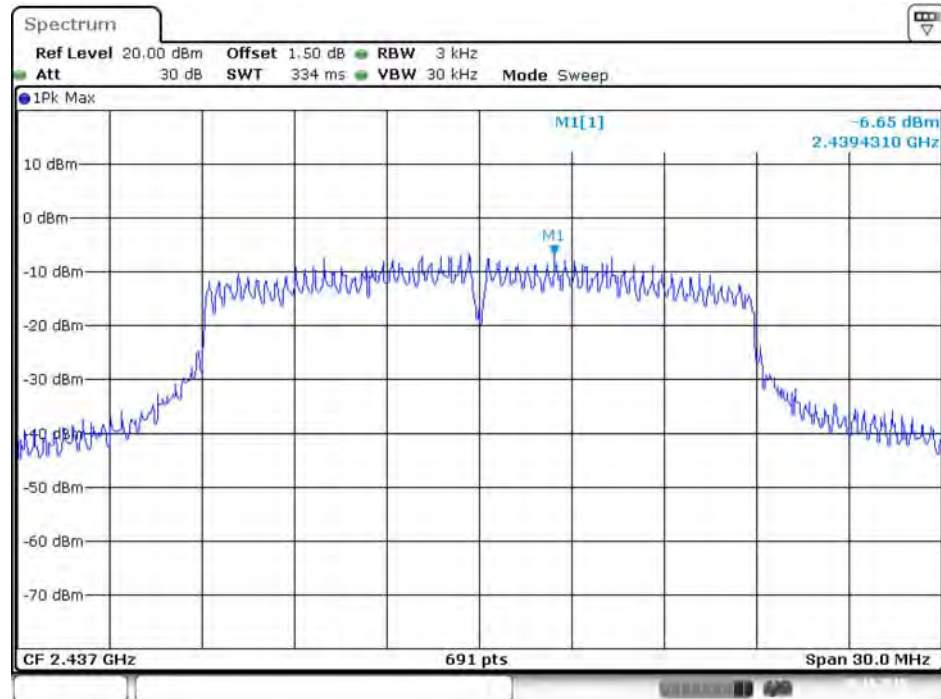
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

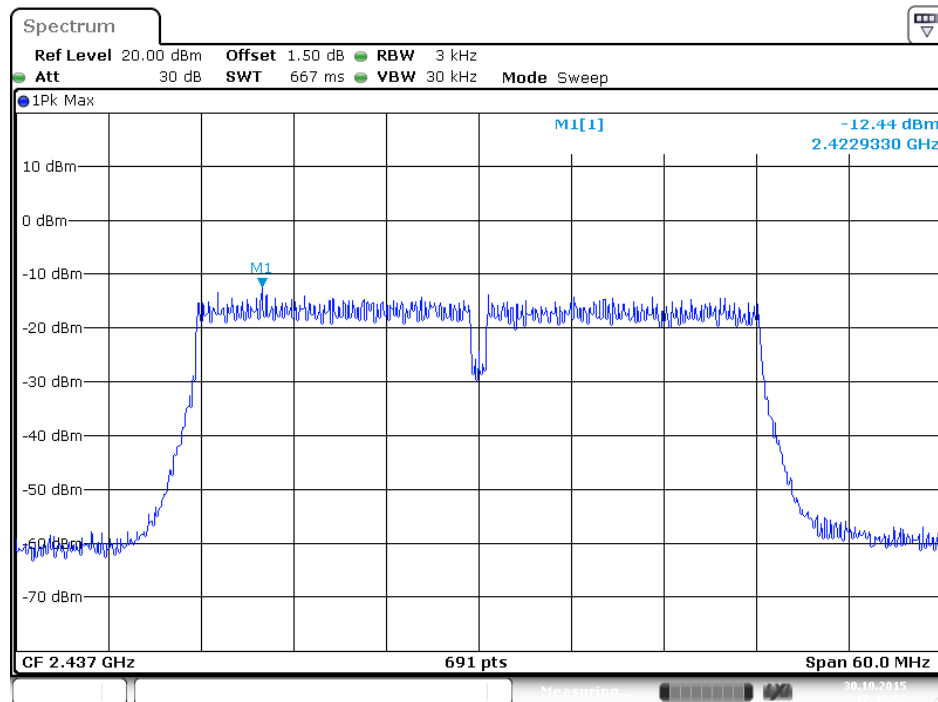


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



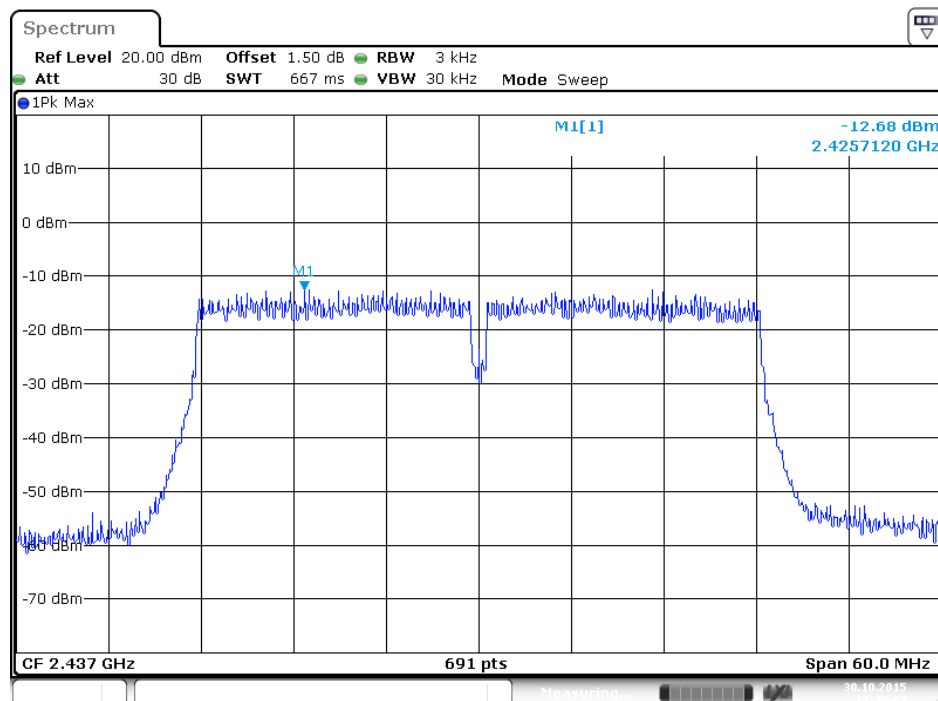
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



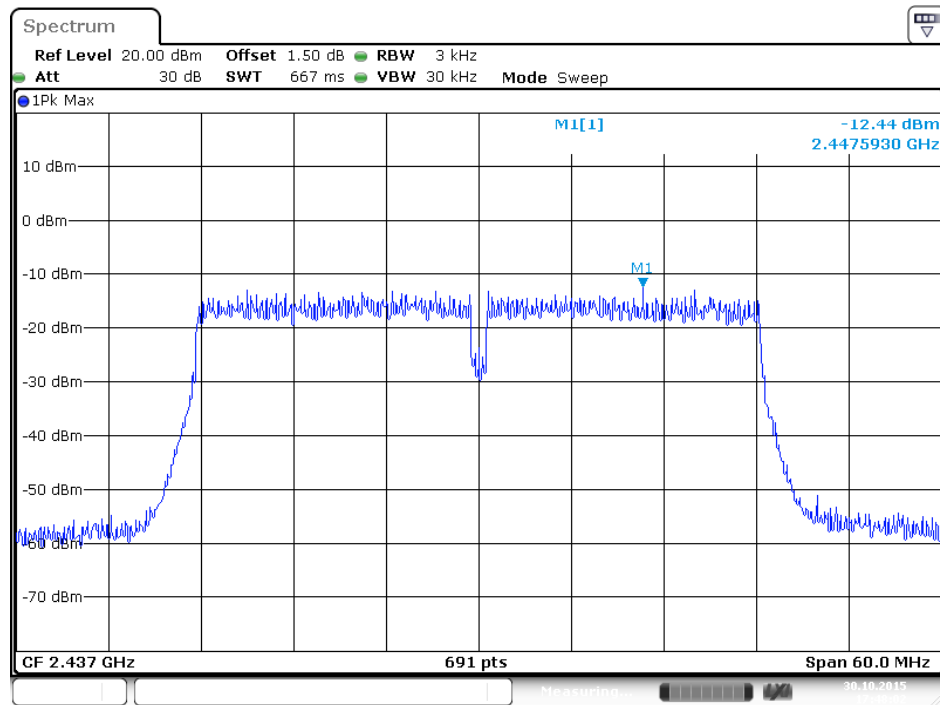
Date: 30.OCT.2015 17:49:52

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Date: 30.OCT.2015 17:49:08

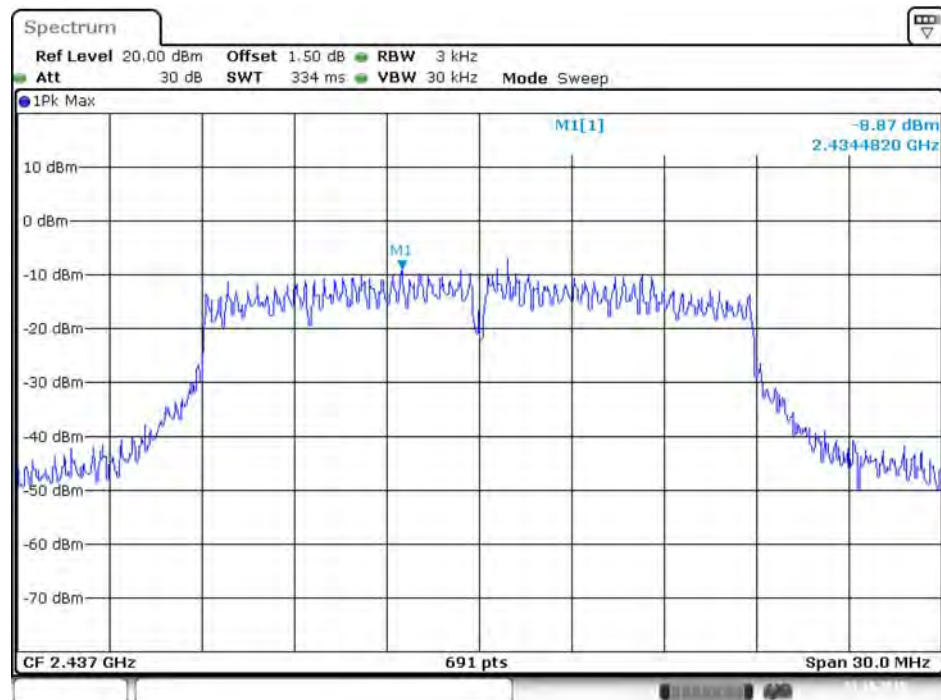
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



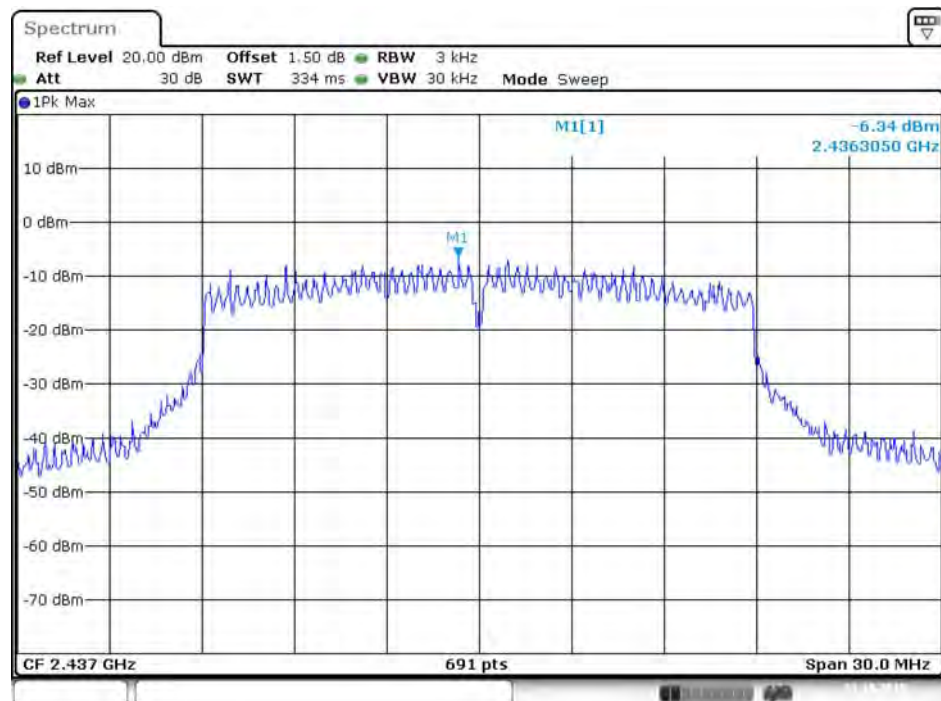
Date: 30.OCT.2015 17:48:03

Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

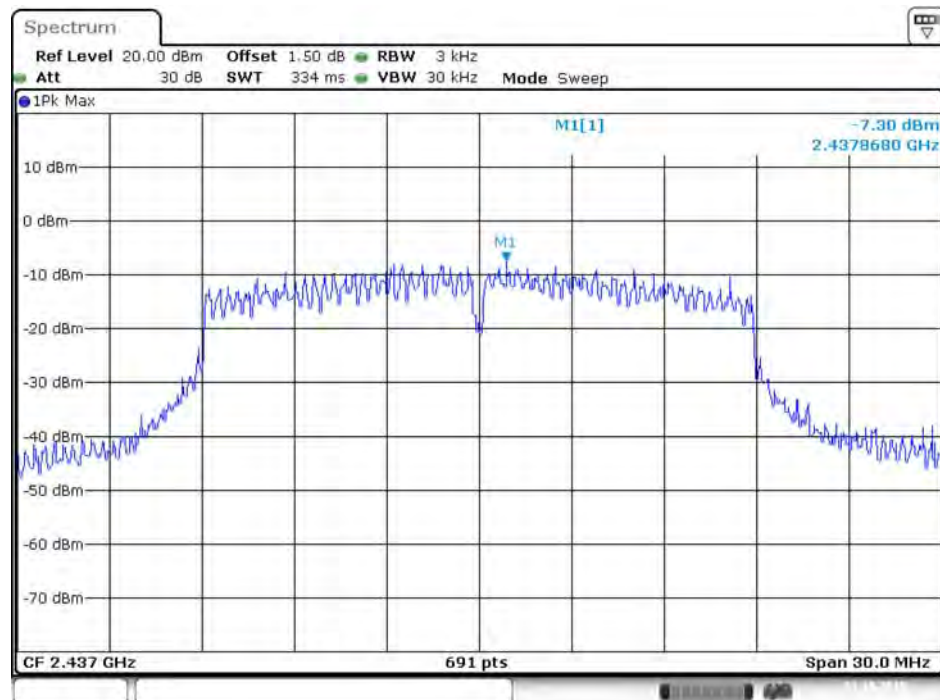
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

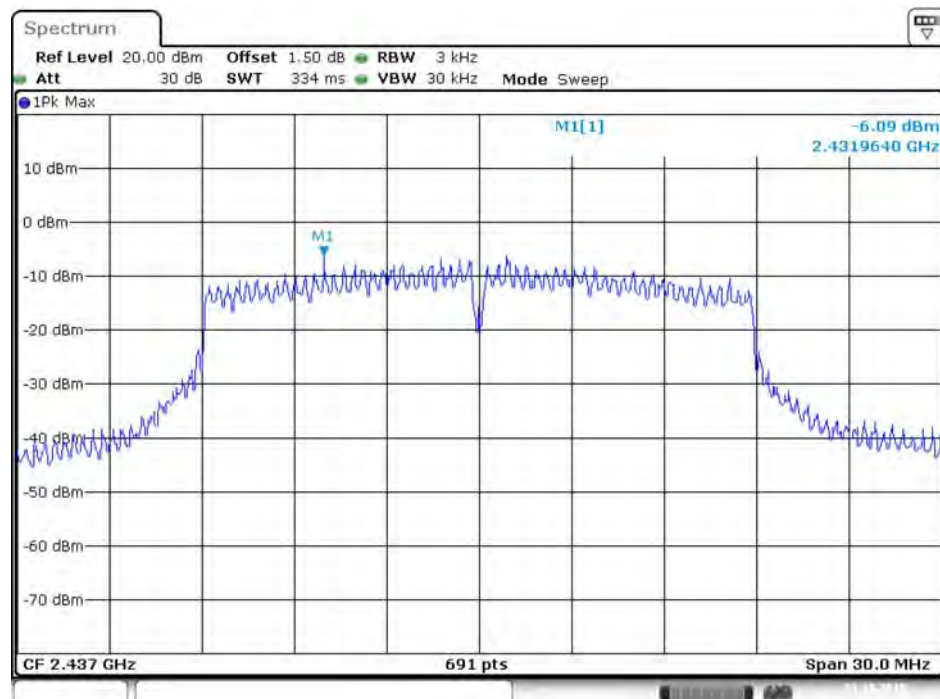


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



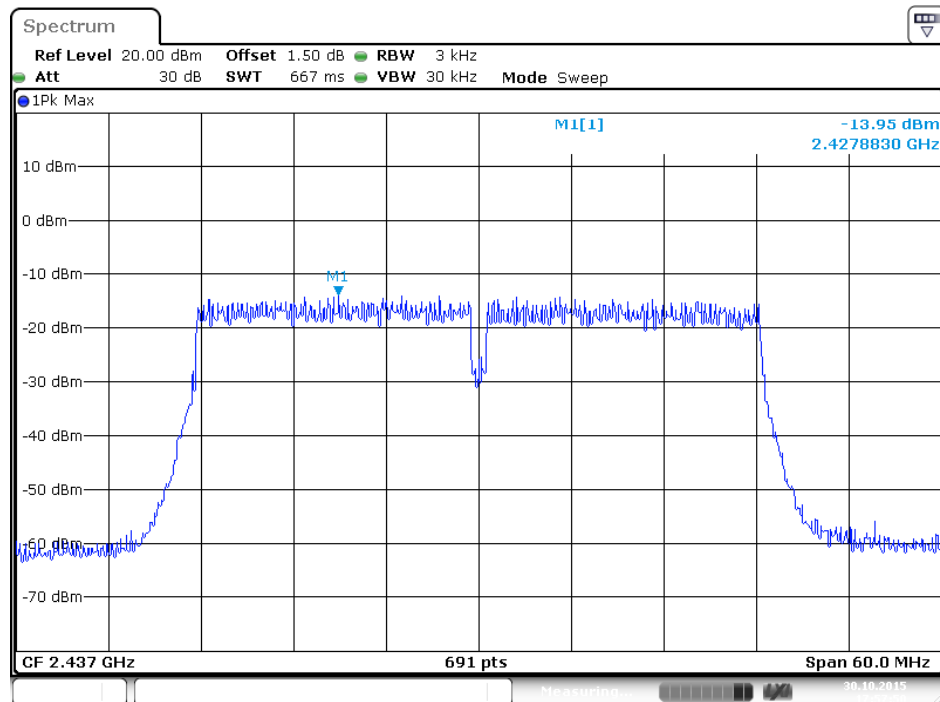
Date: 31.OCT.2015 23:16:02

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



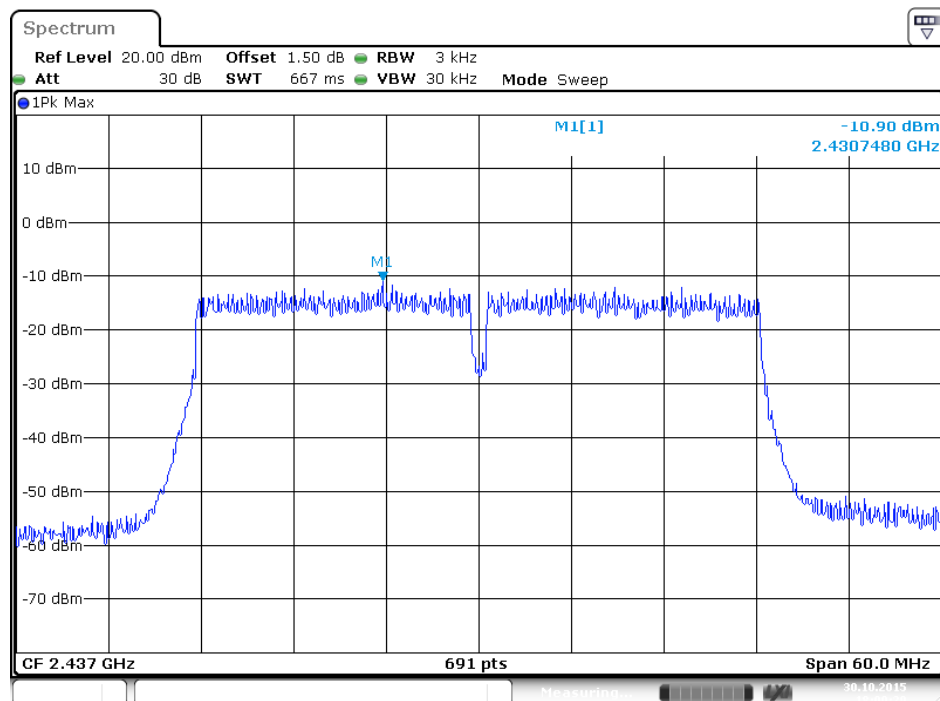
Date: 31.OCT.2015 23:16:11

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



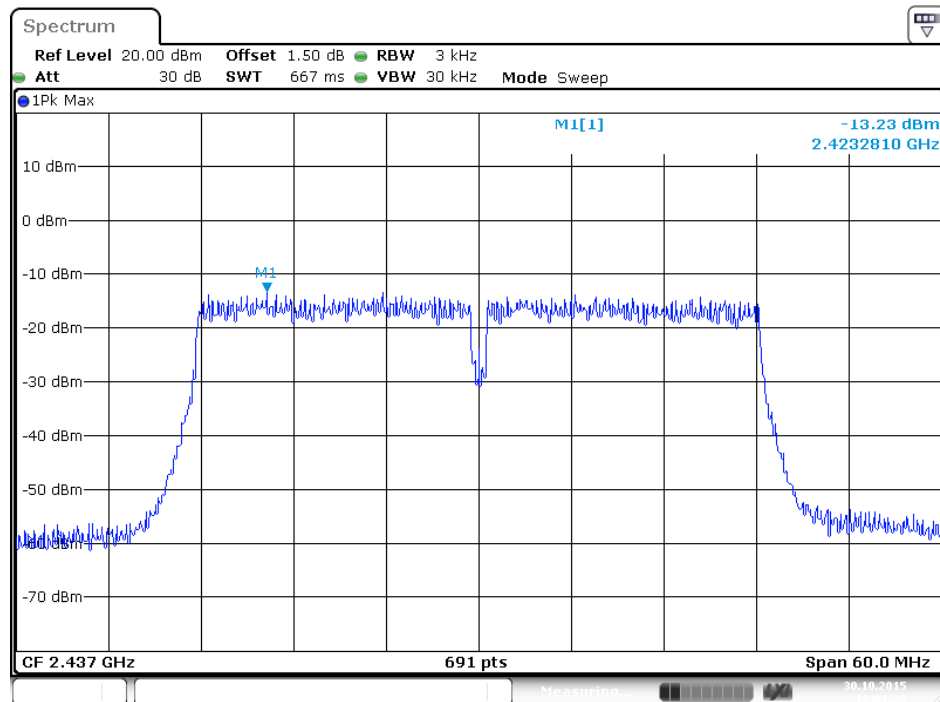
Date: 30.OCT.2015 17:57:50

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



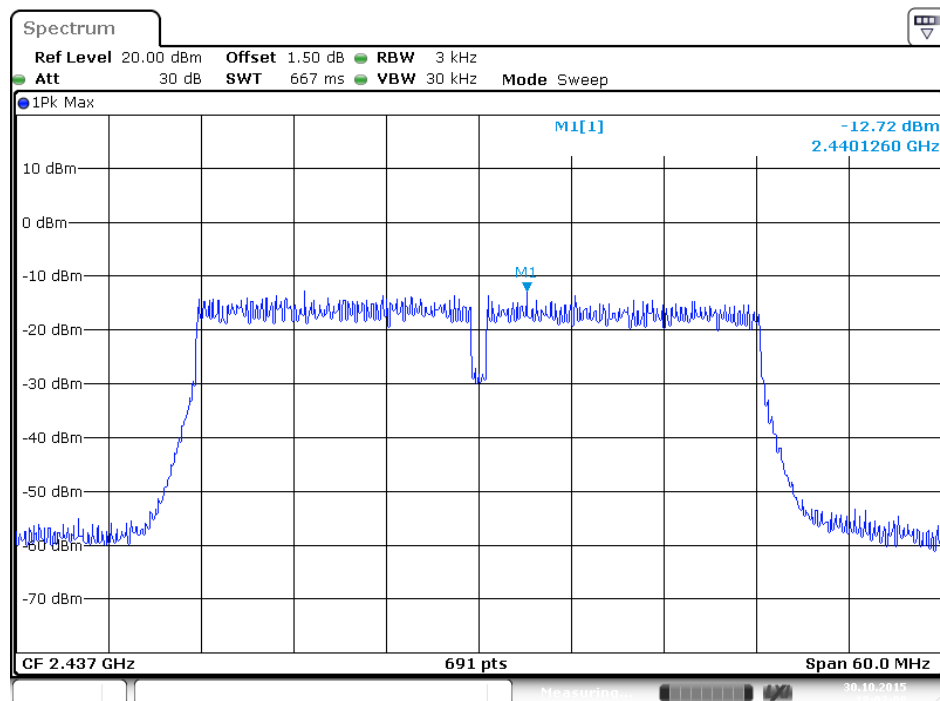
Date: 30.OCT.2015 18:00:29

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Date: 30.OCT.2015 18:01:28

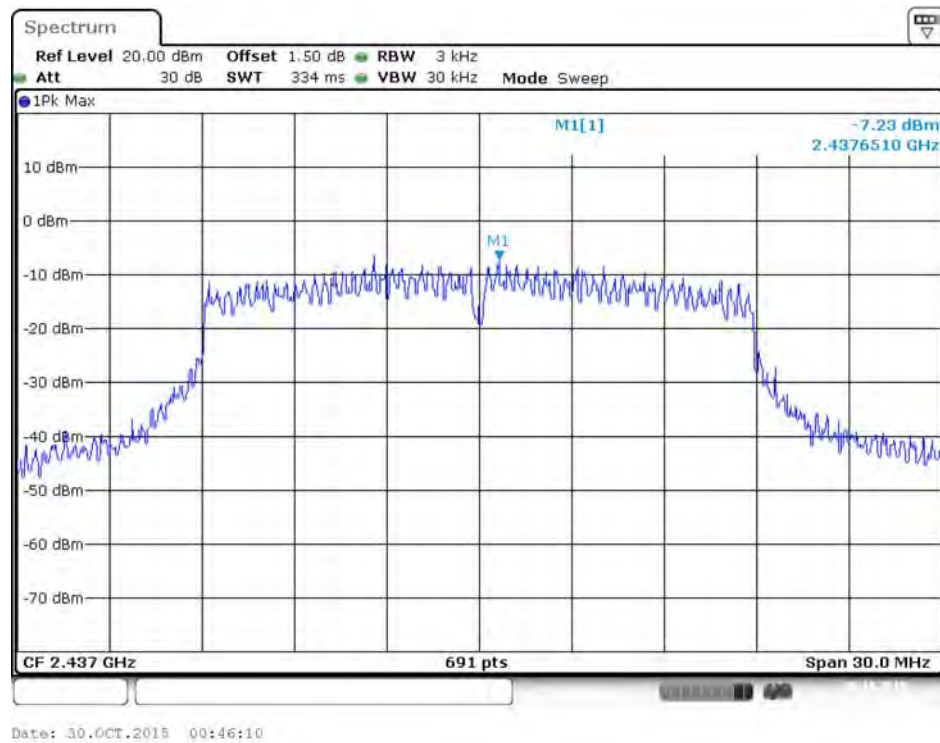
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



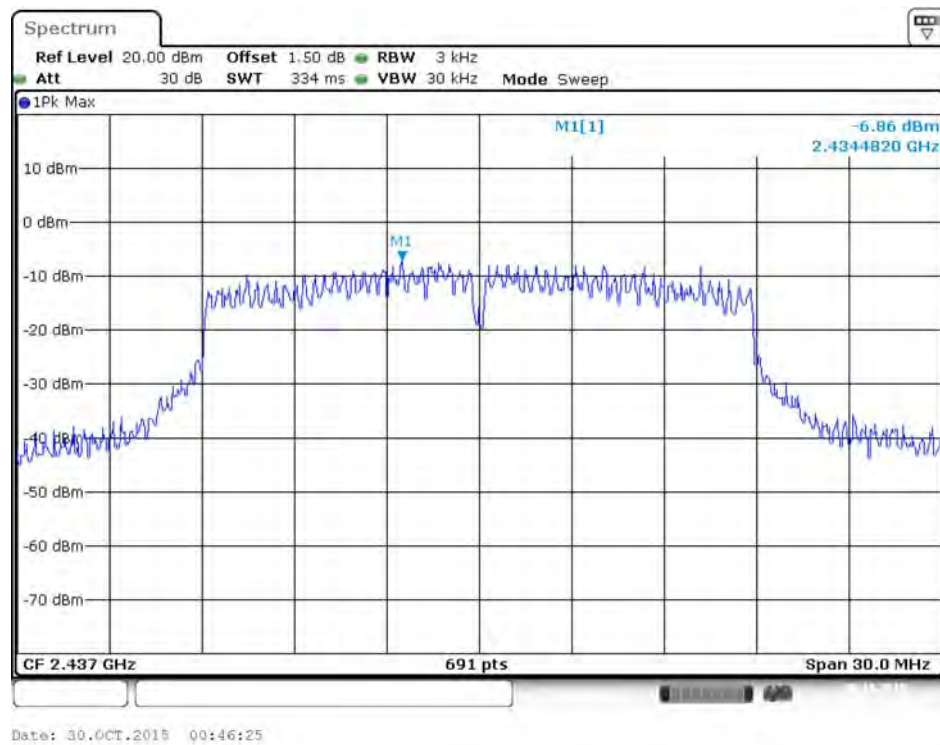
Date: 30.OCT.2015 18:02:09

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi / 2TX)

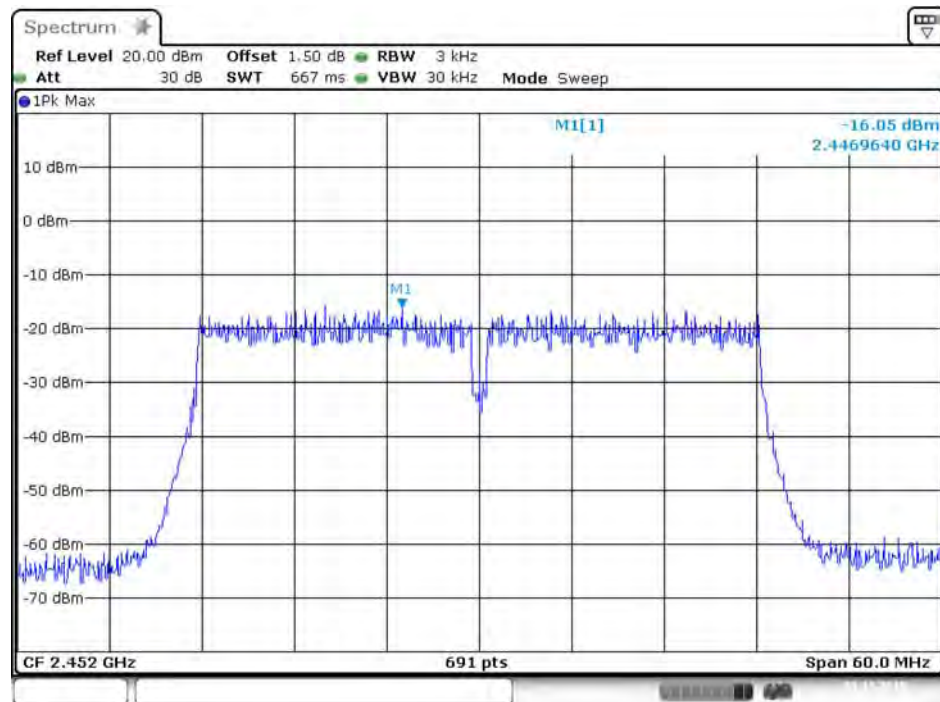
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

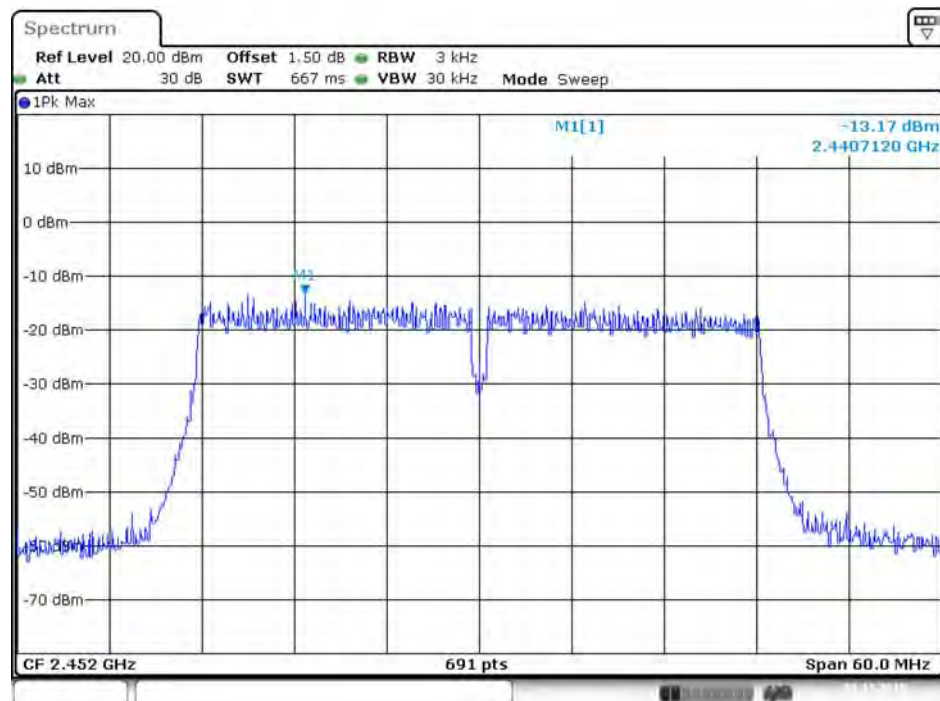


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 1.NOV.2015 01:13:39

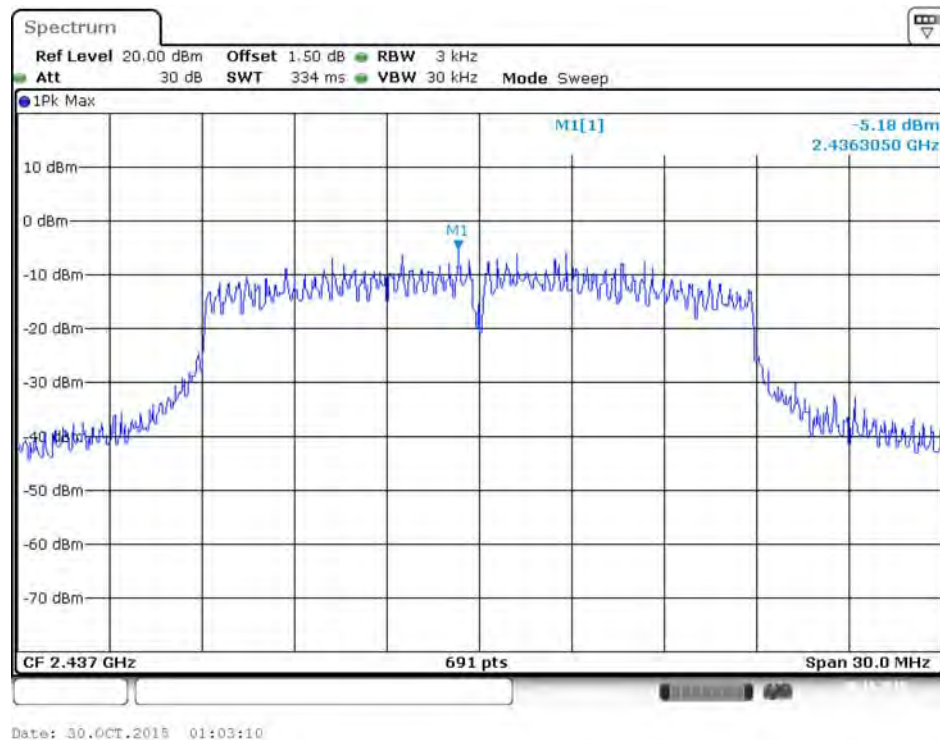
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 2



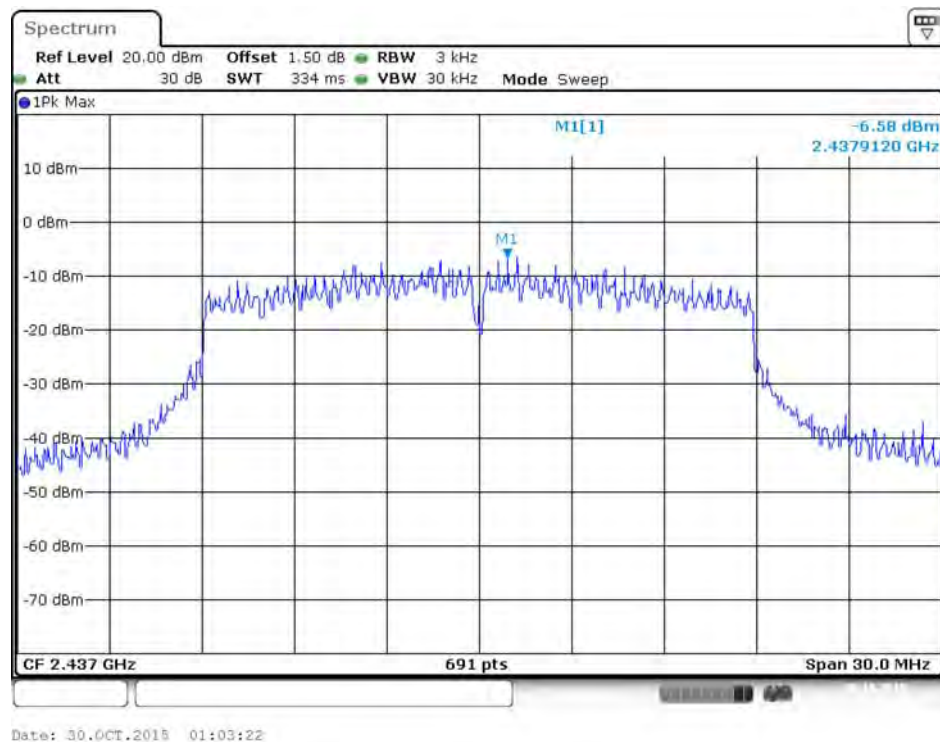
Date: 1.NOV.2015 01:13:51

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX)

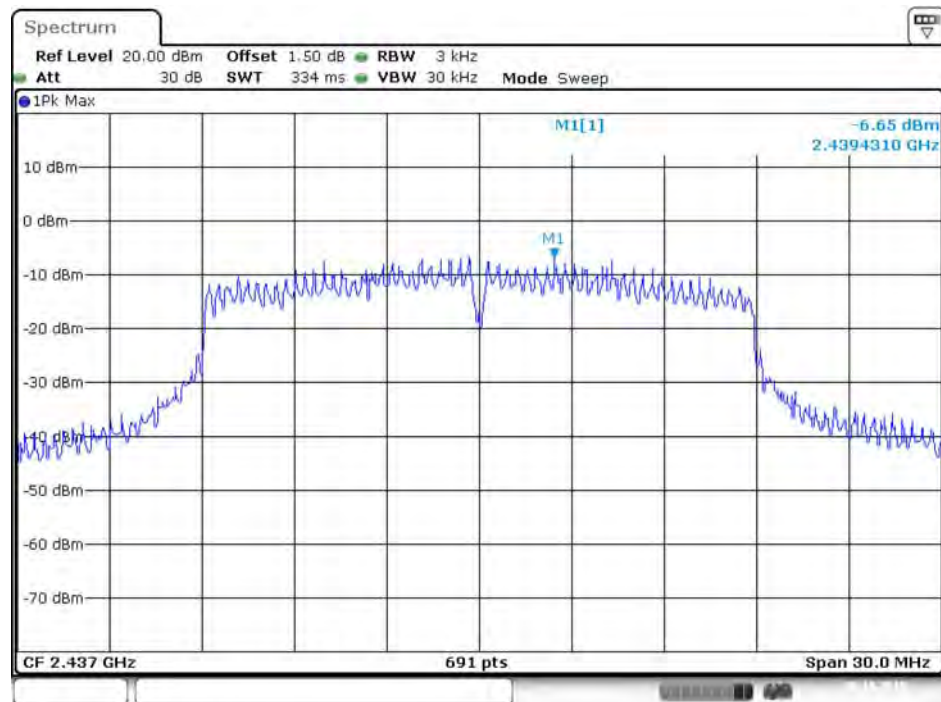
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2

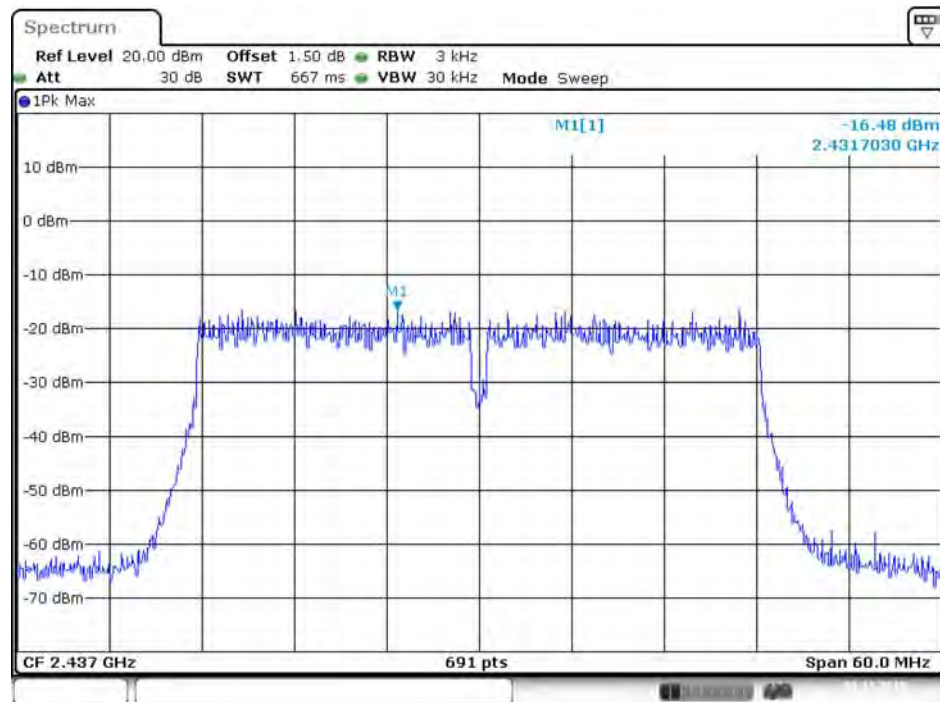


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



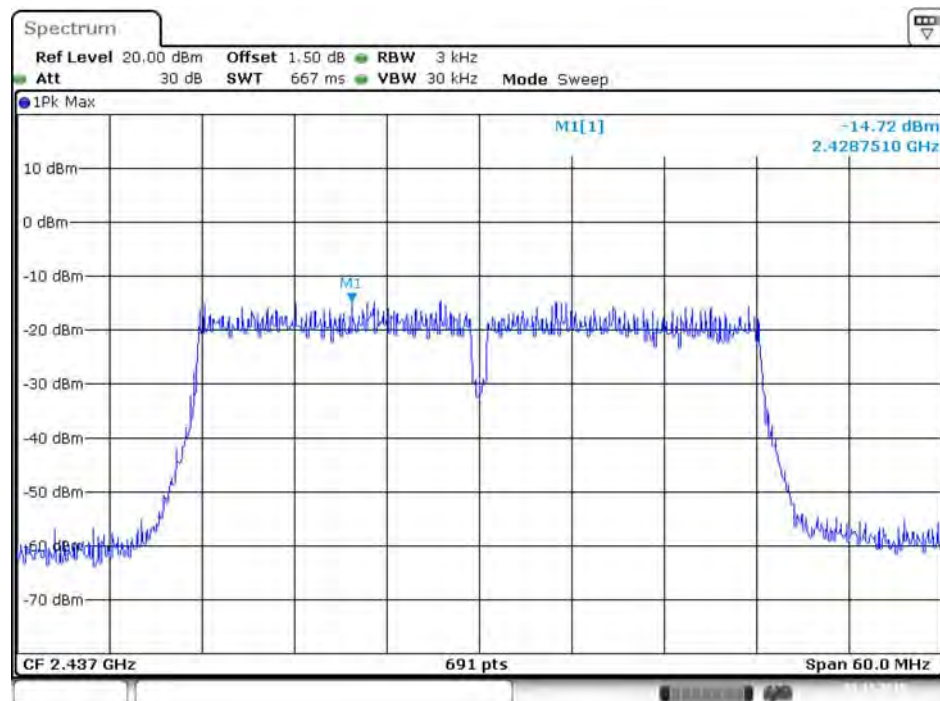
Date: 30.OCT.2015 01:03:34

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



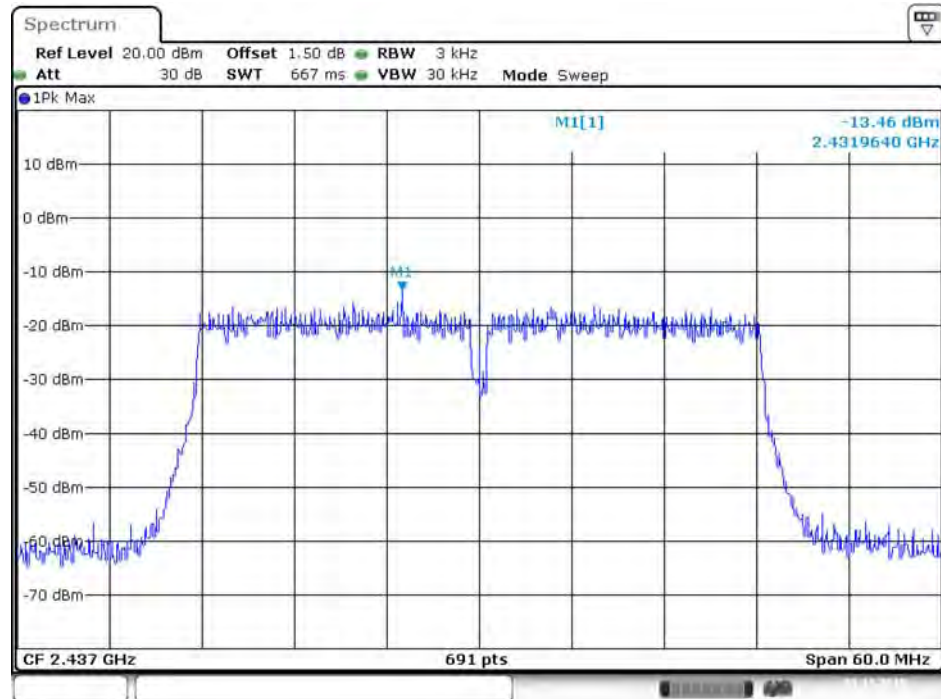
Date: 1.NOV.2015 01:10:15

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Date: 1.NOV.2015 01:10:29

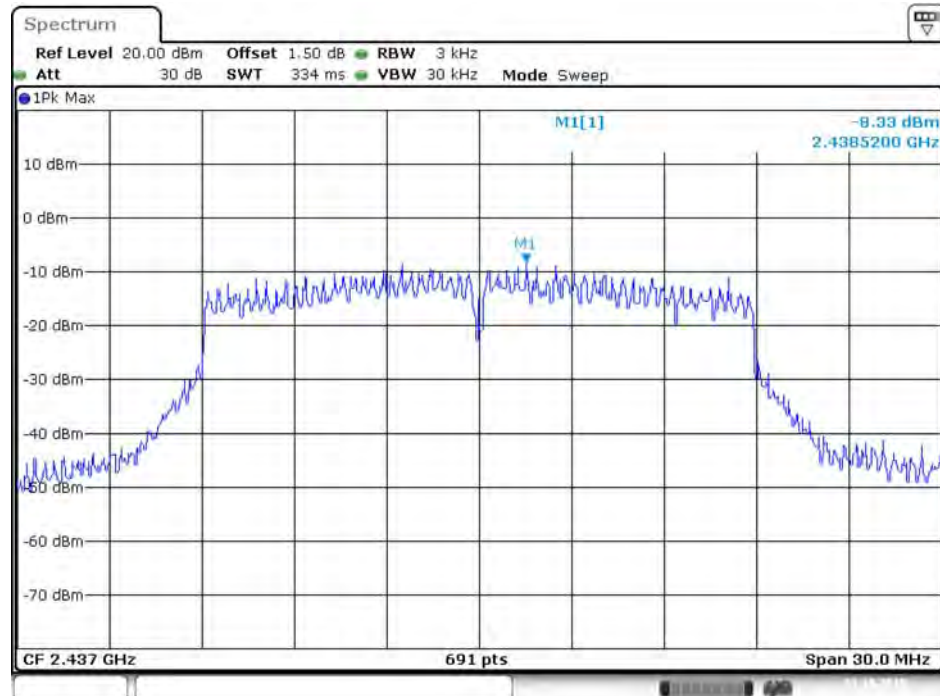
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Date: 1.NOV.2015 01:10:40

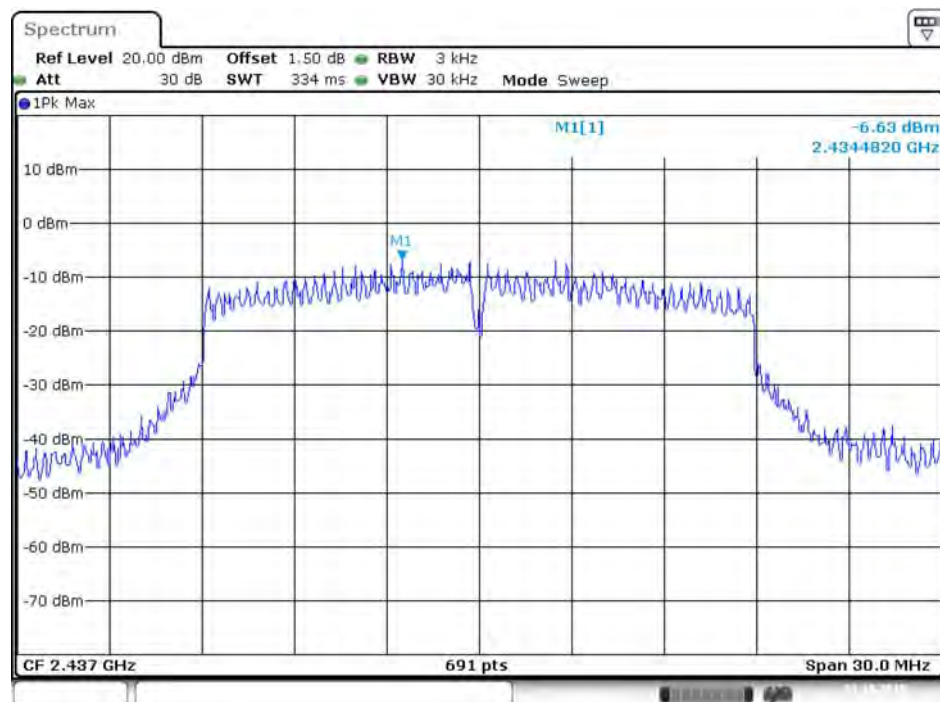
Mode 6 (Set 9 Monopole antenna / Chain 1: 5.2dBi, Chain 2: 3.7dBi, Chain 3: 3.2dBi, Chain 4: 4.5dBi / 4TX)

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



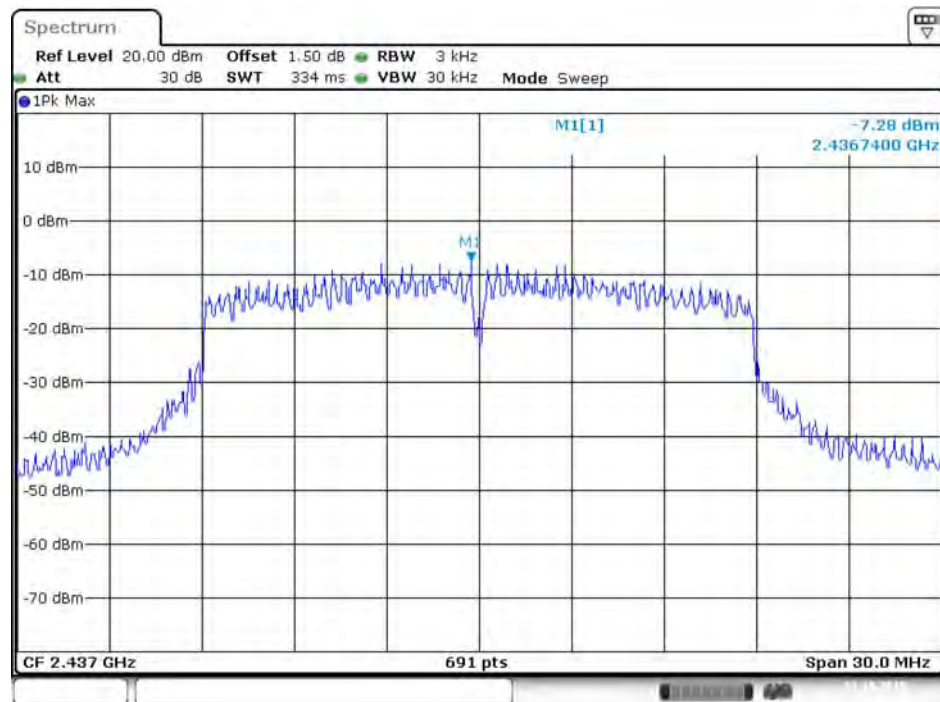
Date: 31.OCT.2015 22:35:06

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



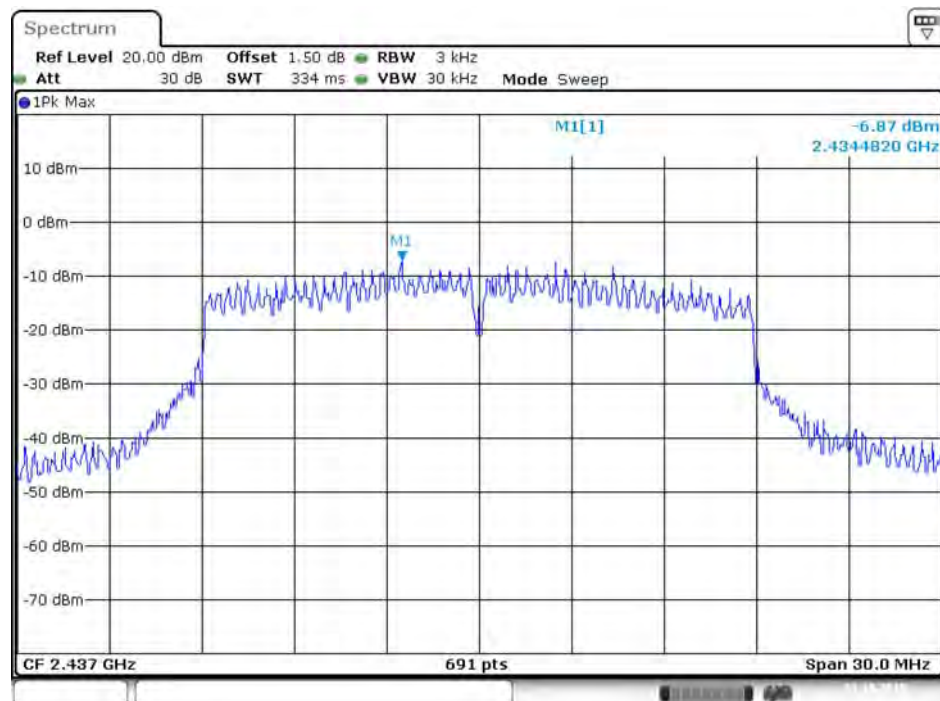
Date: 31.OCT.2015 22:35:22

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



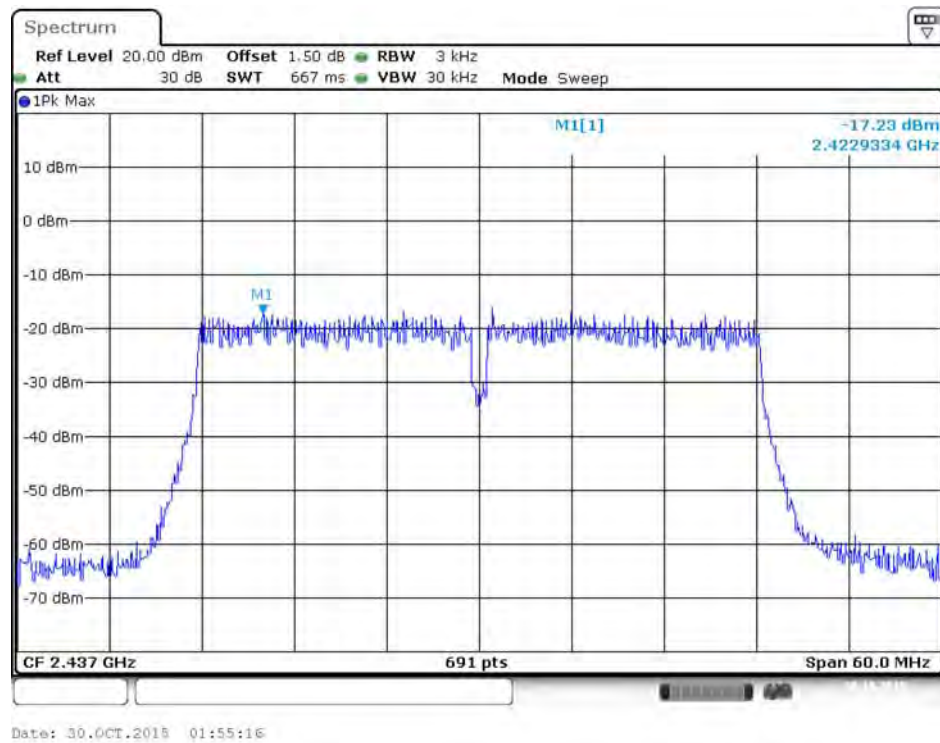
Date: 31.OCT.2015 22:35:32

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4

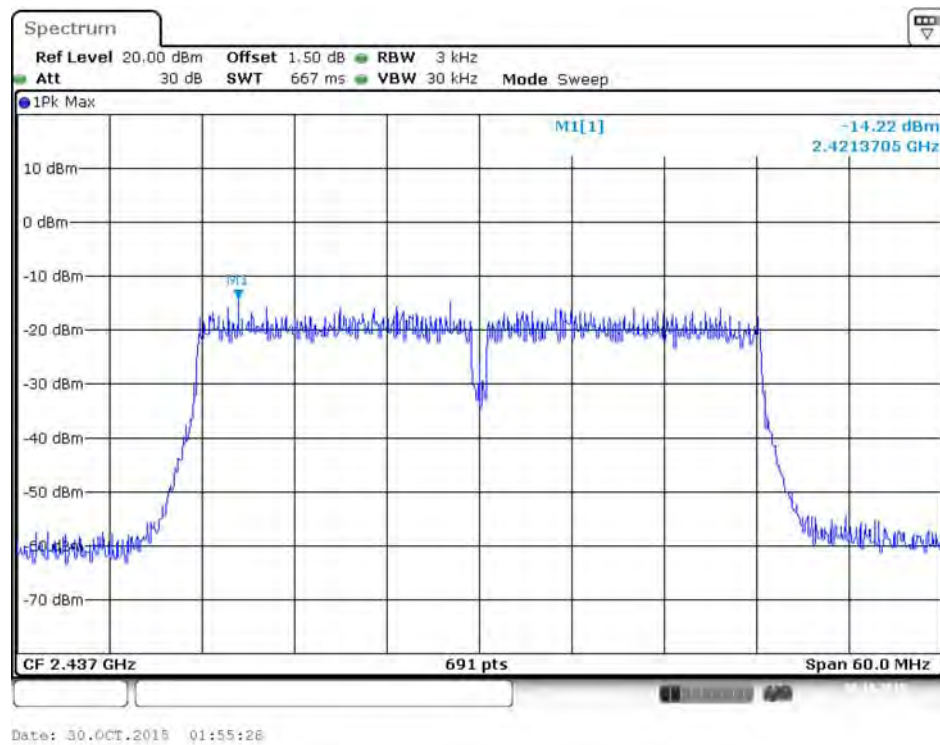


Date: 31.OCT.2015 22:35:43

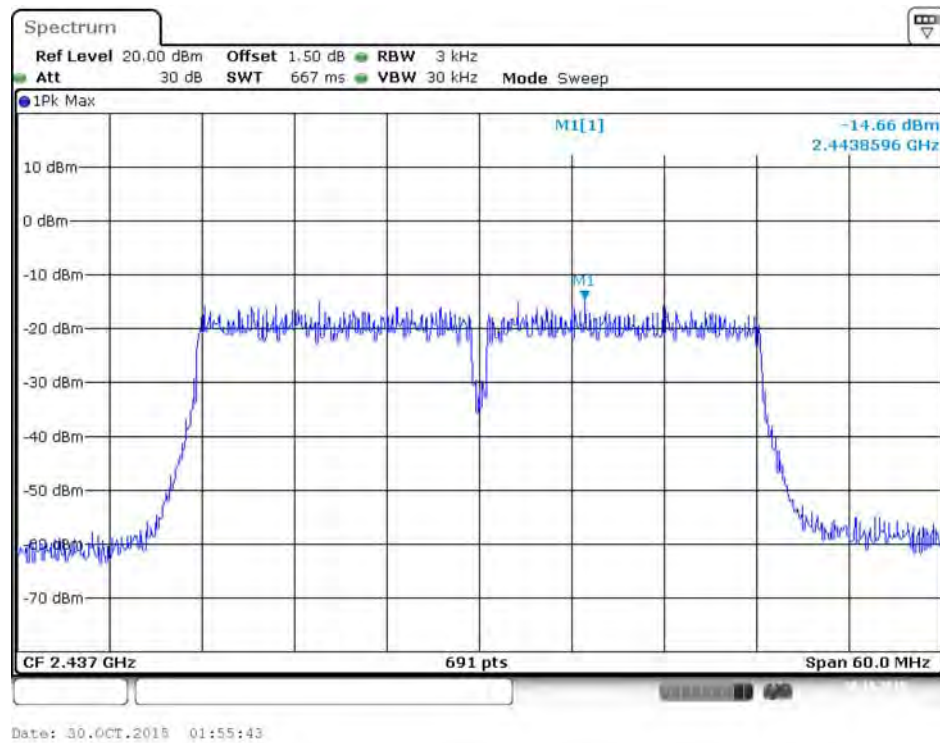
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



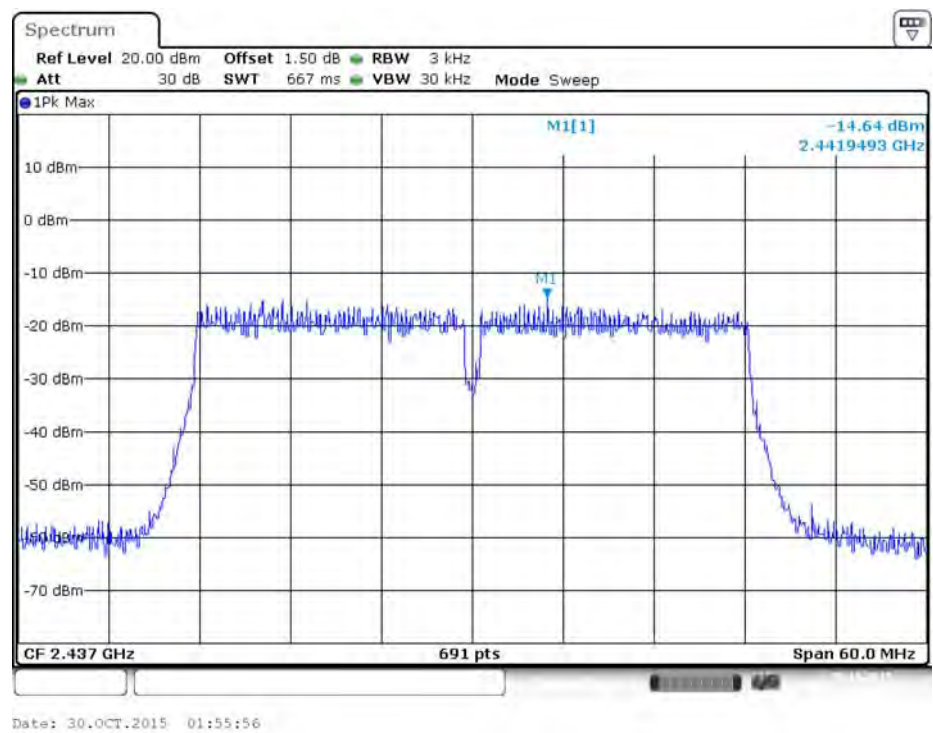
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



4.4. 6dB Spectrum Bandwidth Measurement

4.4.1. Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

4.4.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the Spectrum Analyzer.

| 6dB Spectrum Bandwidth | |
|------------------------|--------------------------------|
| Spectrum Parameters | Setting |
| Attenuation | Auto |
| Span Frequency | > 6dB Bandwidth |
| RBW | 100kHz |
| VBW | $\geq 3 \times \text{RBW}$ |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |
| 99% Occupied Bandwidth | |
| Spectrum Parameters | Setting |
| Span | 1.5 times to 5.0 times the OBW |
| RBW | 1 % to 5 % of the OBW |
| VBW | $\geq 3 \times \text{RBW}$ |
| Detector | Peak |
| Trace | Max Hold |

4.4.3. Test Procedures

For Radiated 6dB Bandwidth Measurement:

1. The transmitter was radiated to the spectrum analyzer in peak hold mode.
2. Test was performed in accordance with KDB558074 D01 v03r03 for Performing Compliance Measurements on Digital Transmission Systems (DTS) - section 8.0 DTS bandwidth= > 8.1 Option 1.
3. Multiple antenna system was performed in accordance with KDB 662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. Measured the spectrum width with power higher than 6dB below carrier.

4.4.4. Test Setup Layout

For Radiated 6dB Bandwidth Measurement:

This test setup layout is the same as that shown in section 4.5.4.

4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.4.7. Test Result of 6dB Spectrum Bandwidth

For Non-Beamforming Mode

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.81 | 16.50 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 16.29 | 16.41 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 12.52 | 17.63 | 500 | Complies |
| | 2437 MHz | 17.51 | 17.71 | 500 | Complies |
| | 2462 MHz | 14.03 | 17.63 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2437 MHz | 36.41 | 36.90 | 500 | Complies |
| | 2452 MHz | 36.29 | 37.05 | 500 | Complies |

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX) | | |

Test Chain: Chain 1 + Chain 2

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2437 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2462 MHz | 7.01 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.58 | 16.06 | 500 | Complies |
| | 2437 MHz | 11.07 | 15.15 | 500 | Complies |
| | 2462 MHz | 12.52 | 16.24 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.65 | 17.37 | 500 | Complies |
| | 2437 MHz | 15.59 | 17.54 | 500 | Complies |
| | 2462 MHz | 15.71 | 17.28 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2452 MHz | 35.71 | 36.90 | 500 | Complies |

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 4.06 | 16.41 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 3.88 | 16.32 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.72 | 16.85 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 11.88 | 16.76 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 31.77 | 35.75 | 500 | Complies |
| | 2437 MHz | 32.12 | 35.89 | 500 | Complies |
| | 2452 MHz | 31.77 | 35.89 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 6.61 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 5.33 | 15.80 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 4.41 | 15.80 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.49 | 16.41 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.67 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 33.39 | 36.61 | 500 | Complies |
| | 2437 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2452 MHz | 33.39 | 36.76 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 15.01 | 16.67 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 16.06 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 12.52 | 17.63 | 500 | Complies |
| | 2437 MHz | 17.51 | 17.71 | 500 | Complies |
| | 2462 MHz | 15.01 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2437 MHz | 36.41 | 36.90 | 500 | Complies |
| | 2452 MHz | 36.29 | 36.90 | 500 | Complies |

| | | | |
|----------------------|---|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX) | | |

Test Chain: Chain 1 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 7.59 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 11.30 | 16.15 | 500 | Complies |
| | 2437 MHz | 12.46 | 16.58 | 500 | Complies |
| | 2462 MHz | 12.06 | 16.06 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.71 | 17.19 | 500 | Complies |
| | 2437 MHz | 15.48 | 17.54 | 500 | Complies |
| | 2462 MHz | 15.65 | 17.11 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 36.06 | 37.05 | 500 | Complies |
| | 2452 MHz | 35.71 | 37.05 | 500 | Complies |

| | | | |
|----------------------|--|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 3.54 | 16.50 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 7.01 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 11.25 | 16.93 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 11.07 | 16.85 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 31.77 | 35.75 | 500 | Complies |
| | 2437 MHz | 32.12 | 35.89 | 500 | Complies |
| | 2452 MHz | 31.54 | 35.89 | 500 | Complies |

| | | | |
|----------------------|---|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 5.28 | 15.11 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 4.75 | 14.58 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.38 | 16.50 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.43 | 16.24 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 35.71 | 37.05 | 500 | Complies |
| | 2452 MHz | 35.71 | 37.05 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 15.01 | 16.49 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 15.25 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.01 | 17.80 | 500 | Complies |
| | 2437 MHz | 17.51 | 17.71 | 500 | Complies |
| | 2462 MHz | 15.07 | 17.88 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.41 | 37.04 | 500 | Complies |
| | 2437 MHz | 36.41 | 36.90 | 500 | Complies |
| | 2452 MHz | 36.41 | 37.05 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX) | | |

Test Chain: Chain 1 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 7.59 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 12.58 | 15.89 | 500 | Complies |
| | 2437 MHz | 12.46 | 16.58 | 500 | Complies |
| | 2462 MHz | 12.58 | 16.15 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.01 | 16.93 | 500 | Complies |
| | 2437 MHz | 15.48 | 17.54 | 500 | Complies |
| | 2462 MHz | 15.30 | 17.11 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.48 | 37.05 | 500 | Complies |
| | 2437 MHz | 35.71 | 37.05 | 500 | Complies |
| | 2452 MHz | 35.48 | 37.05 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 4.06 | 16.41 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 4.29 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.72 | 16.85 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 11.48 | 16.76 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 33.51 | 35.75 | 500 | Complies |
| | 2437 MHz | 32.00 | 36.03 | 500 | Complies |
| | 2452 MHz | 31.54 | 35.75 | 500 | Complies |

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.00 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 4.99 | 15.54 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 5.04 | 15.46 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.49 | 16.41 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.43 | 15.80 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2452 MHz | 35.13 | 36.90 | 500 | Complies |

| | | | |
|----------------------|--|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.81 | 16.50 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 15.07 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.07 | 17.71 | 500 | Complies |
| | 2437 MHz | 17.51 | 16.50 | 500 | Complies |
| | 2462 MHz | 15.13 | 17.89 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.41 | 36.76 | 500 | Complies |
| | 2437 MHz | 36.41 | 37.05 | 500 | Complies |
| | 2452 MHz | 36.41 | 36.90 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX) | | |

Test Chain: Chain 1 + Chain 2

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2437 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2462 MHz | 7.01 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.58 | 16.06 | 500 | Complies |
| | 2437 MHz | 11.07 | 16.15 | 500 | Complies |
| | 2462 MHz | 12.29 | 15.98 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.65 | 17.37 | 500 | Complies |
| | 2437 MHz | 15.59 | 17.54 | 500 | Complies |
| | 2462 MHz | 14.72 | 17.28 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.83 | 36.76 | 500 | Complies |
| | 2437 MHz | 35.71 | 37.19 | 500 | Complies |
| | 2452 MHz | 35.71 | 36.76 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 7.19 | 16.50 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 7.01 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 11.71 | 16.93 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 11.88 | 16.76 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 31.54 | 35.89 | 500 | Complies |
| | 2437 MHz | 32.00 | 35.75 | 500 | Complies |
| | 2452 MHz | 31.77 | 35.89 | 500 | Complies |

| | | | |
|----------------------|---|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 4.99 | 15.54 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 4.81 | 15.37 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.38 | 16.41 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.67 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2452 MHz | 32.81 | 36.76 | 500 | Complies |

| | | | |
|----------------------|--|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.81 | 16.50 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 16.06 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.07 | 17.71 | 500 | Complies |
| | 2437 MHz | 17.51 | 17.71 | 500 | Complies |
| | 2462 MHz | 15.13 | 17.89 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.41 | 37.05 | 500 | Complies |
| | 2437 MHz | 36.41 | 37.05 | 500 | Complies |
| | 2452 MHz | 36.29 | 37.05 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX) | | |

Test Chain: Chain 1 + Chain 2

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2437 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2462 MHz | 7.01 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 12.29 | 16.06 | 500 | Complies |
| | 2437 MHz | 11.07 | 15.15 | 500 | Complies |
| | 2462 MHz | 11.54 | 16.15 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 13.10 | 17.28 | 500 | Complies |
| | 2437 MHz | 15.59 | 17.54 | 500 | Complies |
| | 2462 MHz | 15.36 | 17.45 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 37.05 | 500 | Complies |
| | 2437 MHz | 35.71 | 37.19 | 500 | Complies |
| | 2452 MHz | 35.71 | 37.19 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 4.06 | 16.41 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 7.01 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 11.25 | 16.93 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 10.72 | 16.85 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 33.62 | 36.03 | 500 | Complies |
| | 2437 MHz | 33.62 | 36.18 | 500 | Complies |
| | 2452 MHz | 31.54 | 35.89 | 500 | Complies |

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 30, 2015 |
| Test Mode | Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 5.39 | 15.28 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 5.74 | 15.63 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 10.43 | 16.50 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.43 | 16.24 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.13 | 36.90 | 500 | Complies |
| | 2437 MHz | 35.59 | 36.90 | 500 | Complies |
| | 2452 MHz | 35.13 | 36.76 | 500 | Complies |

| | | | |
|---------------|--|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX) | | |

Test Chain: Chain 1

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.42 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.51 | 500 | Complies |
| 802.11g | 2412 MHz | 15.88 | 16.67 | 500 | Complies |
| | 2437 MHz | 13.62 | 16.50 | 500 | Complies |
| | 2462 MHz | 14.78 | 16.67 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 15.30 | 17.71 | 500 | Complies |
| | 2437 MHz | 17.51 | 17.71 | 500 | Complies |
| | 2462 MHz | 14.20 | 17.80 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2437 MHz | 36.41 | 36.90 | 500 | Complies |
| | 2452 MHz | 36.29 | 37.05 | 500 | Complies |

| | | | |
|---------------|---|-----------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX) | | |

Test Chain: Chain 1 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 7.59 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 12.29 | 15.98 | 500 | Complies |
| | 2437 MHz | 12.46 | 16.58 | 500 | Complies |
| | 2462 MHz | 11.94 | 16.06 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 16.17 | 17.19 | 500 | Complies |
| | 2437 MHz | 15.48 | 17.54 | 500 | Complies |
| | 2462 MHz | 12.93 | 17.28 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.71 | 36.90 | 500 | Complies |
| | 2437 MHz | 35.71 | 37.05 | 500 | Complies |
| | 2452 MHz | 35.71 | 37.05 | 500 | Complies |

| | | | |
|----------------------|---|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 8.06 | 10.42 | 500 | Complies |
| | 2437 MHz | 7.54 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.42 | 500 | Complies |
| 802.11g | 2412 MHz | 4.17 | 16.41 | 500 | Complies |
| | 2437 MHz | 3.30 | 16.85 | 500 | Complies |
| | 2462 MHz | 4.29 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 11.48 | 16.93 | 500 | Complies |
| | 2437 MHz | 11.71 | 17.45 | 500 | Complies |
| | 2462 MHz | 11.88 | 16.76 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 31.77 | 35.75 | 500 | Complies |
| | 2437 MHz | 32.12 | 35.89 | 500 | Complies |
| | 2452 MHz | 31.77 | 35.89 | 500 | Complies |

| | | | |
|----------------------|--|------------------|-------------------------------|
| Temperature | 25°C | Humidity | 46% |
| Test Engineer | Lucas Huang | Test Date | Oct. 29, 2015 ~ Oct. 31, 2015 |
| Test Mode | Mode 6 (Set 9 Monopole antenna / Chain 1: 5.2dBi, Chain 2: 3.7dBi, Chain 3: 3.2dBi, Chain 4: 4.5dBi / 4TX) | | |

Test Chain: Chain 1 + Chain 2 + Chain 3 + Chain 4

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|---------------------|------------------------------|------------------|-------------|
| 802.11b | 2412 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2437 MHz | 7.59 | 10.51 | 500 | Complies |
| | 2462 MHz | 8.00 | 10.59 | 500 | Complies |
| 802.11g | 2412 MHz | 5.45 | 14.93 | 500 | Complies |
| | 2437 MHz | 6.03 | 15.63 | 500 | Complies |
| | 2462 MHz | 5.10 | 15.20 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 11.19 | 16.15 | 500 | Complies |
| | 2437 MHz | 13.10 | 17.11 | 500 | Complies |
| | 2462 MHz | 10.67 | 16.50 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 33.51 | 36.76 | 500 | Complies |
| | 2437 MHz | 36.29 | 36.76 | 500 | Complies |
| | 2452 MHz | 33.39 | 36.76 | 500 | Complies |

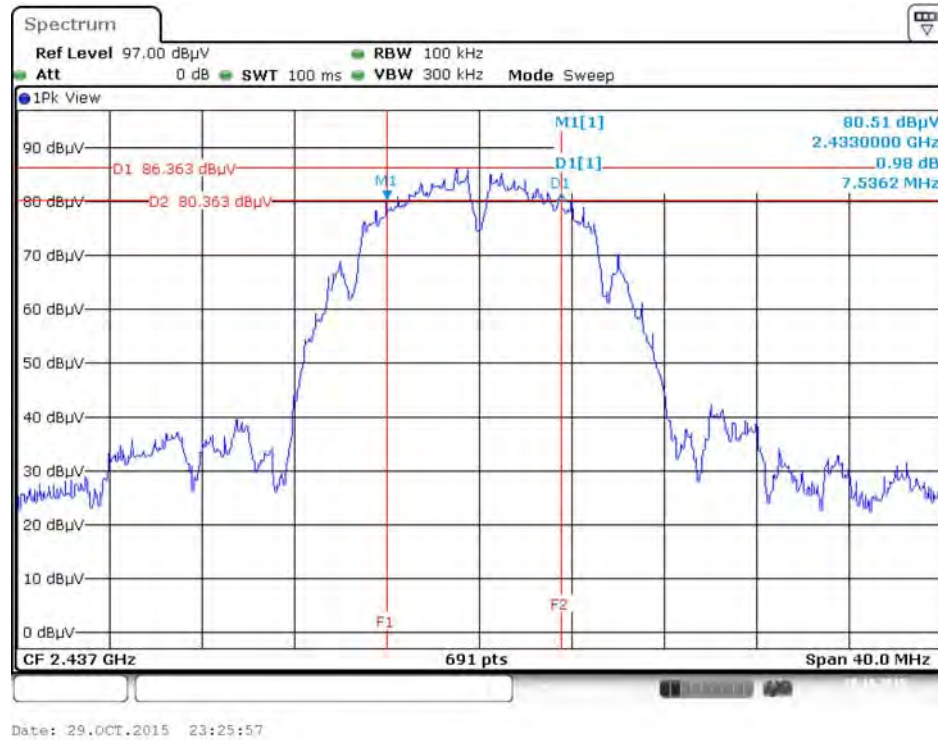
Note: All the test values were listed in the report.

For plots, only the channel with worse result was shown.

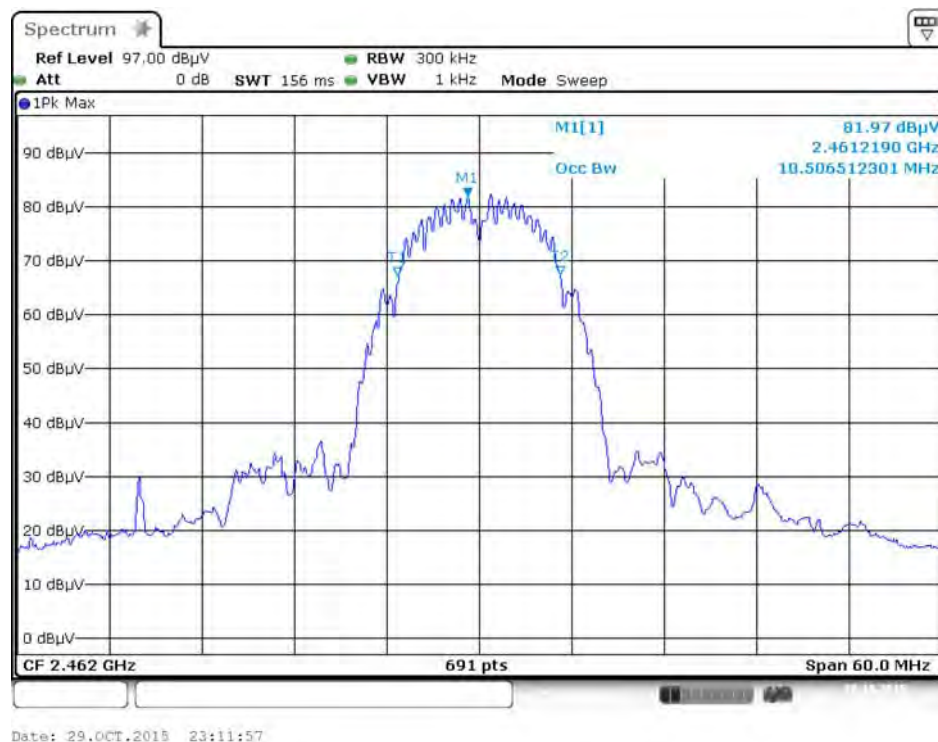
For Non-Beamforming Mode

Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)

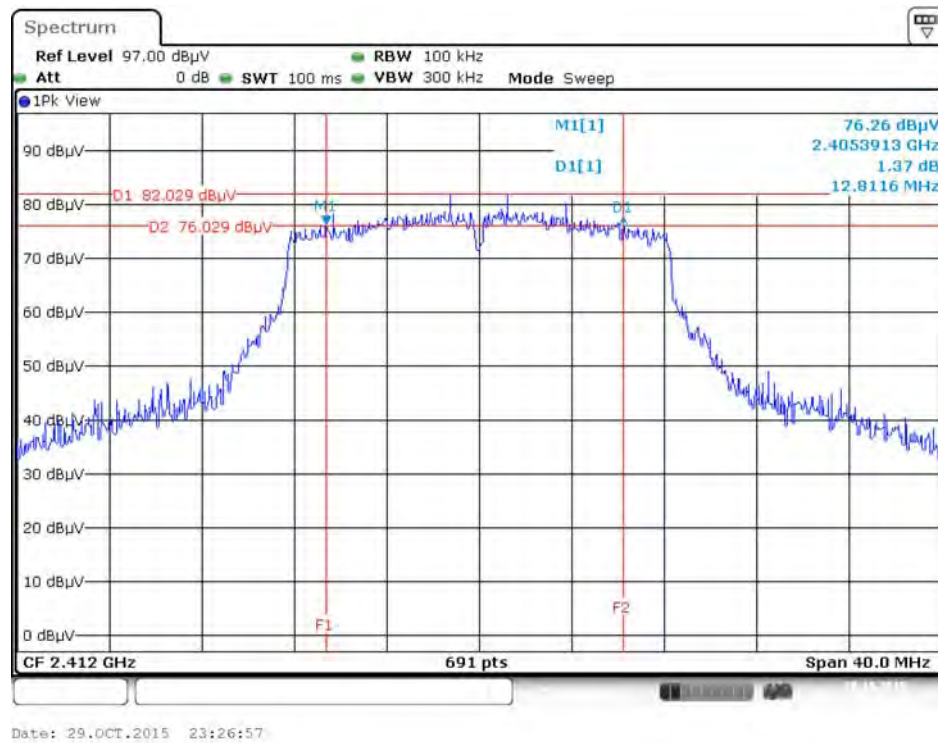
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



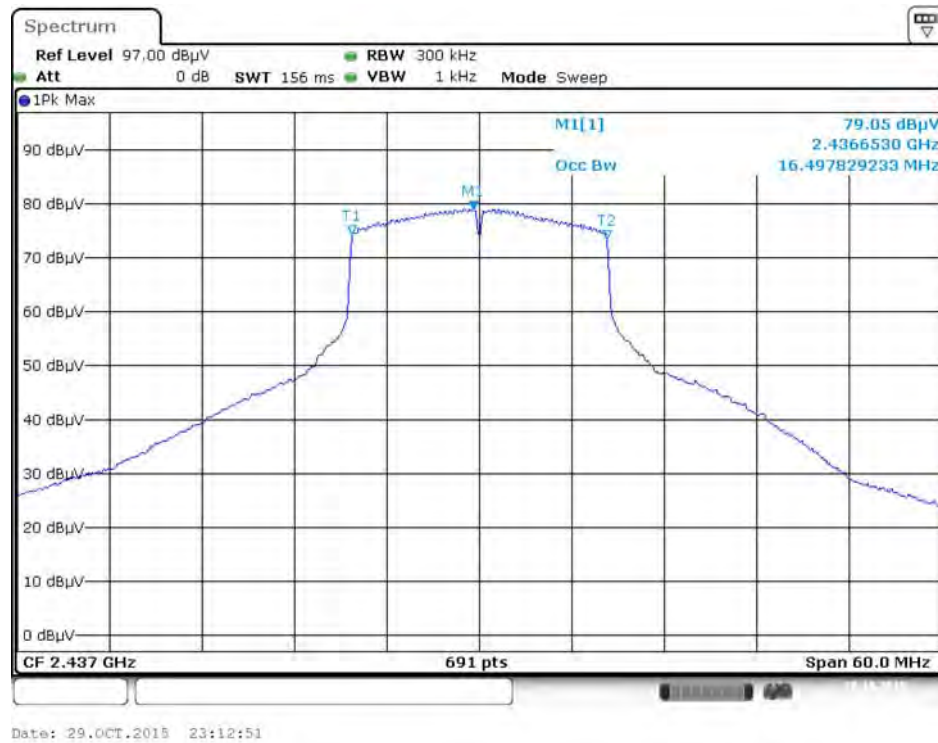
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



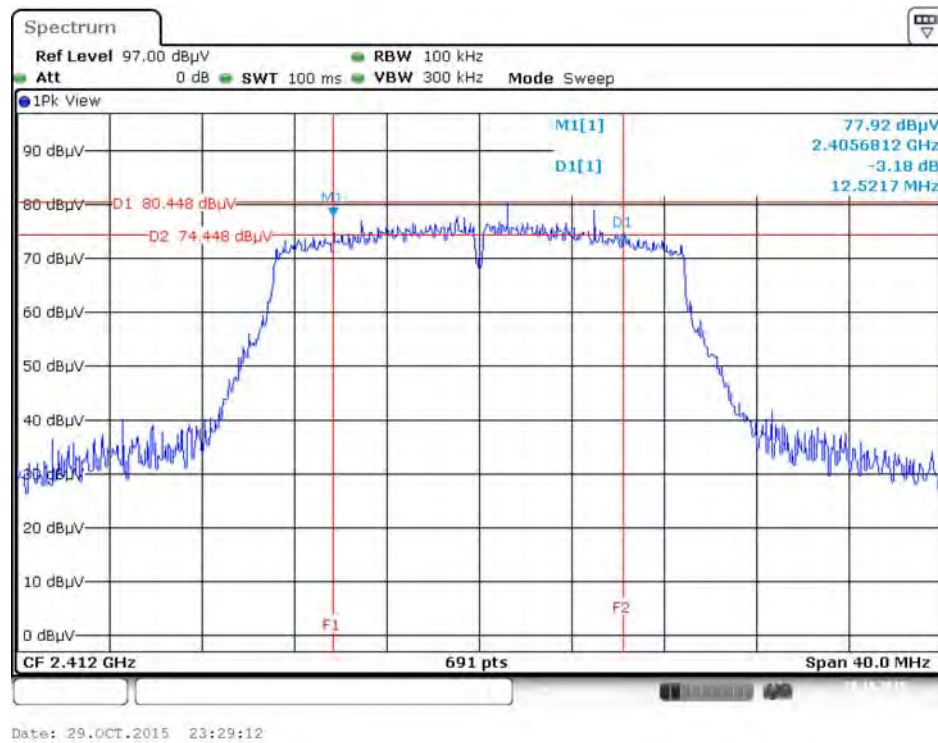
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1



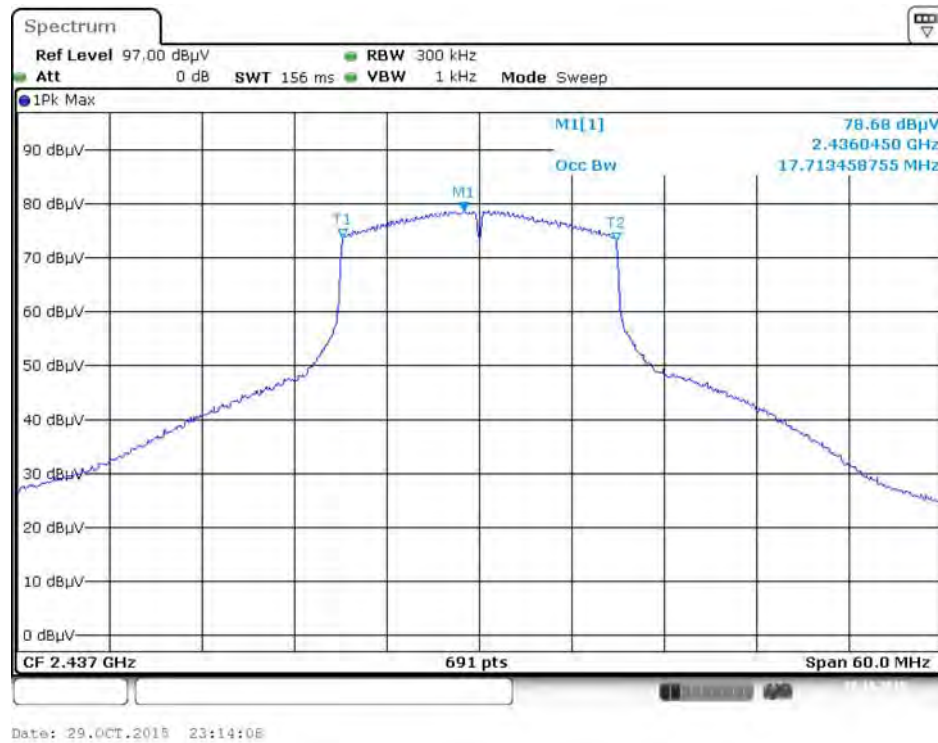
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



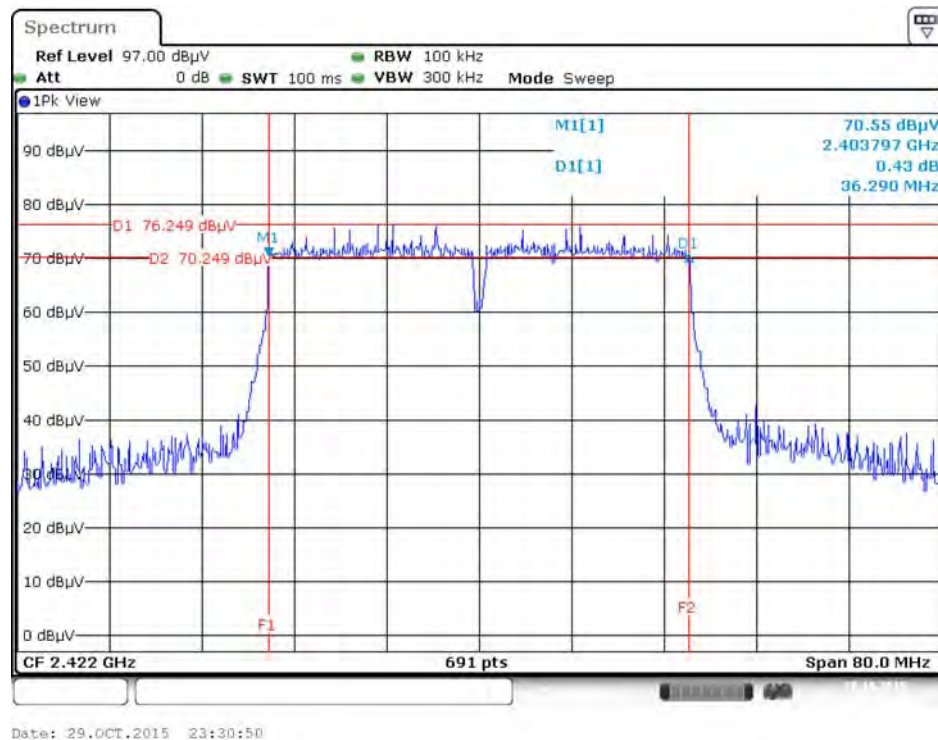
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



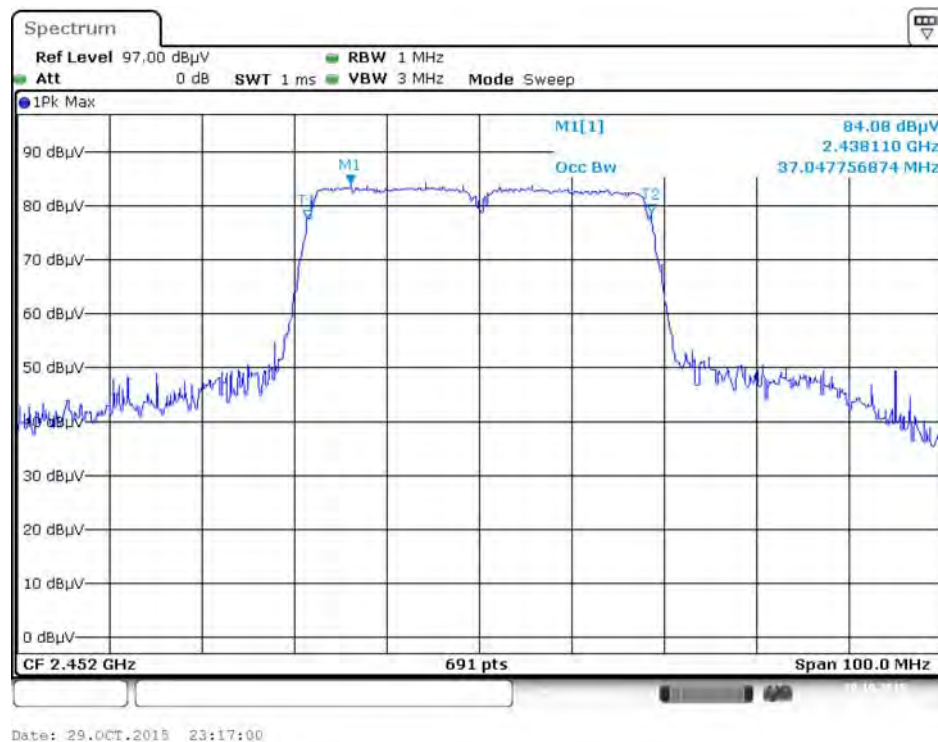
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1

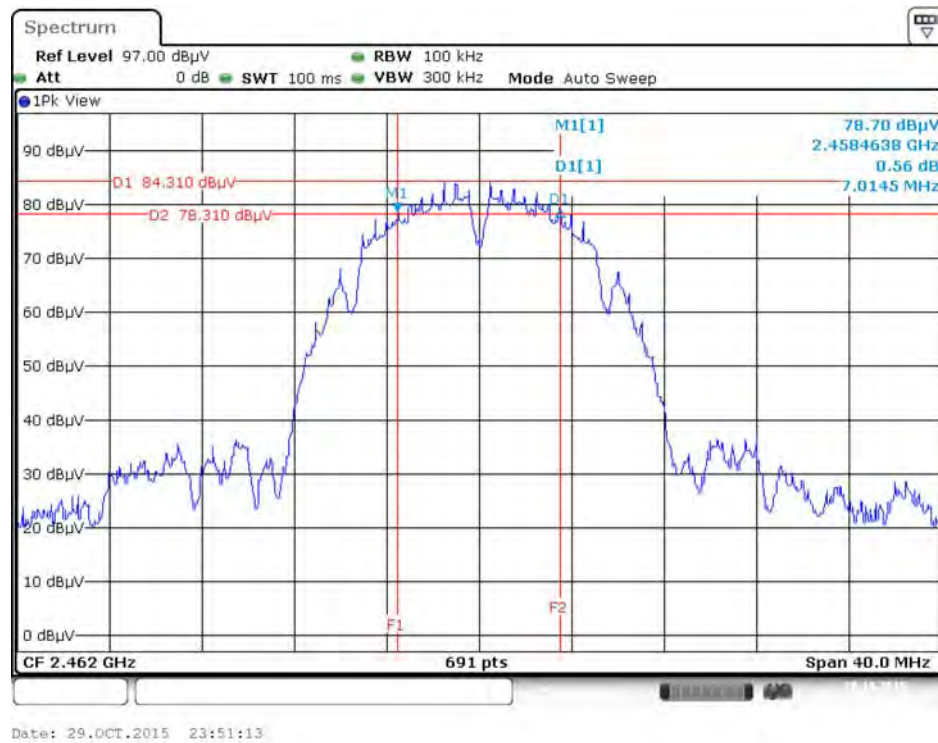


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1

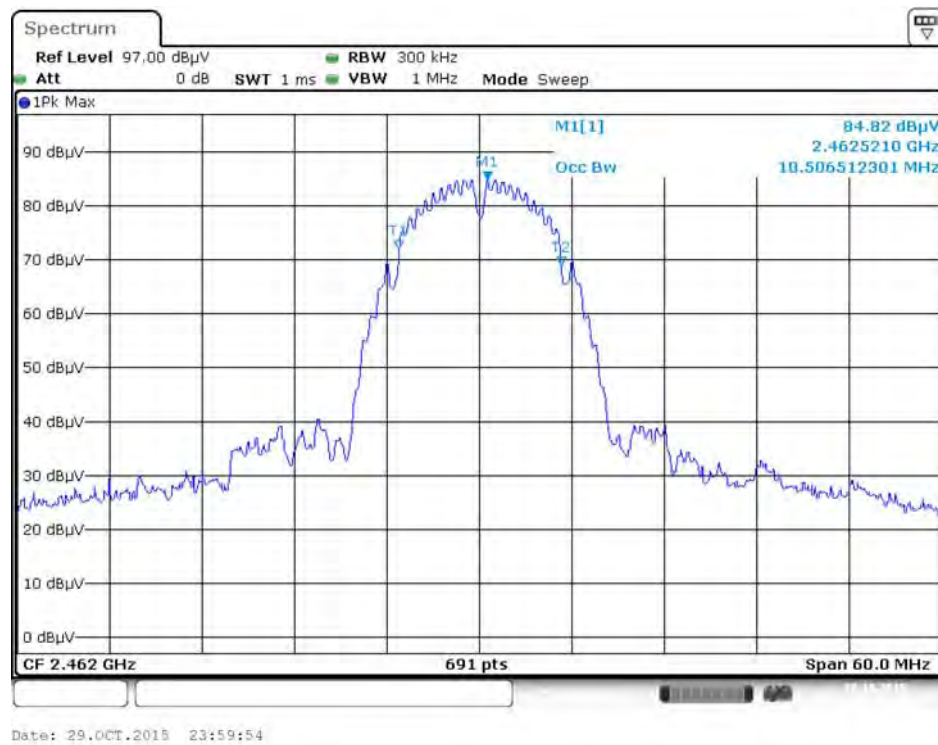


Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)

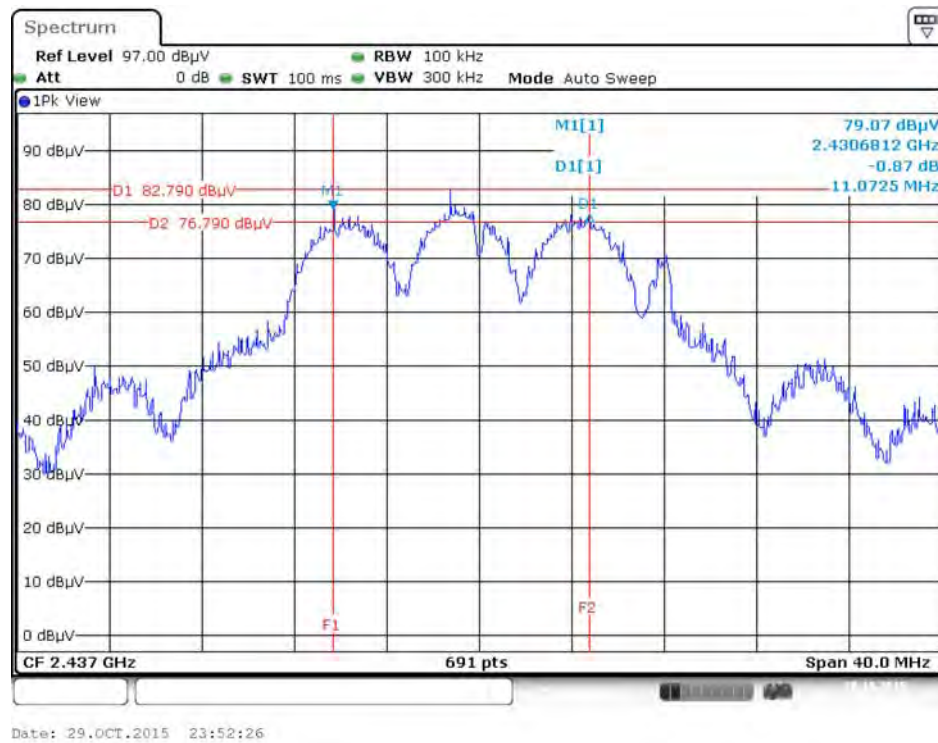
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



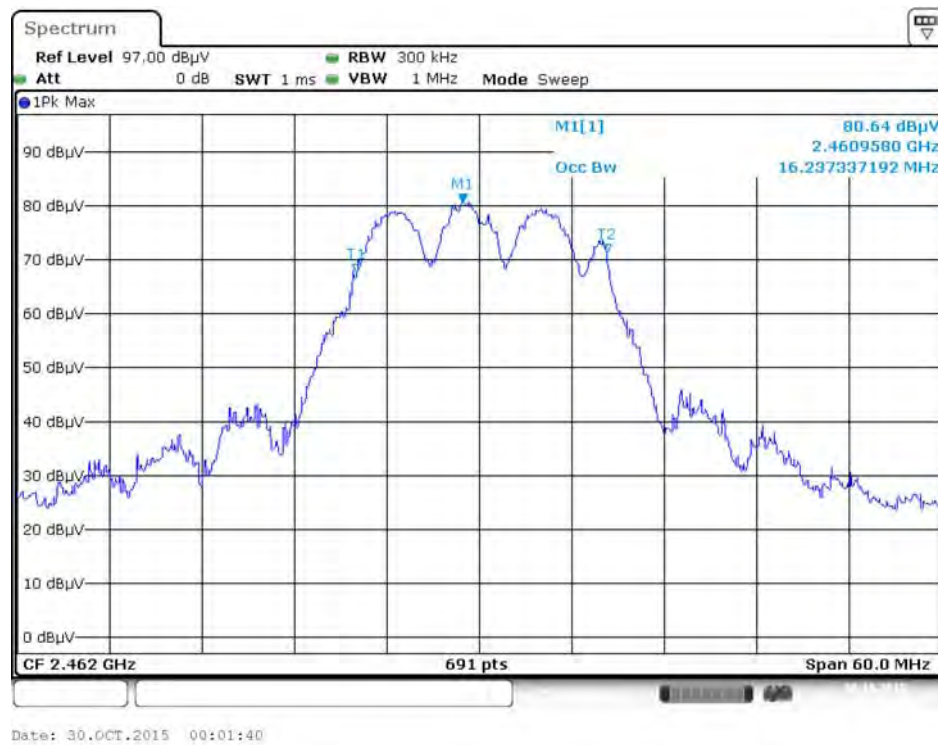
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



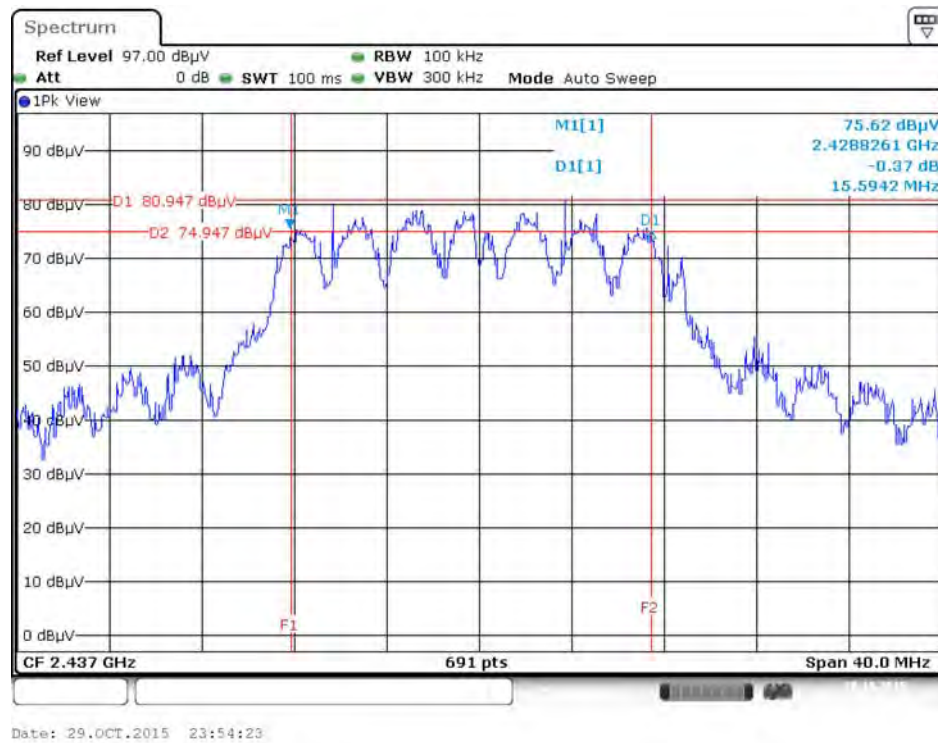
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2



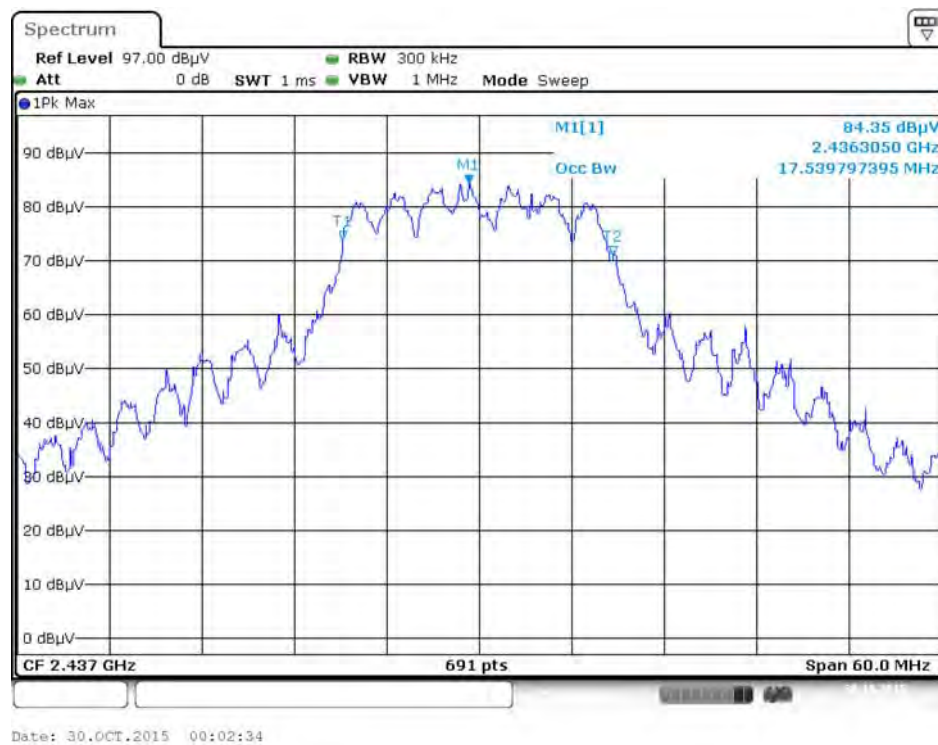
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2



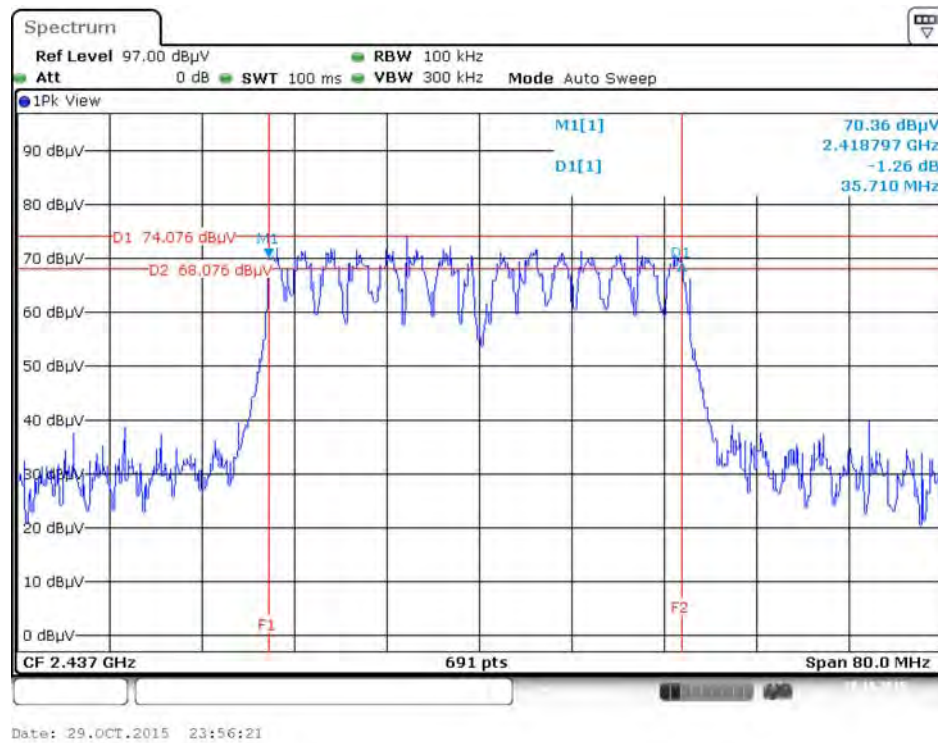
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



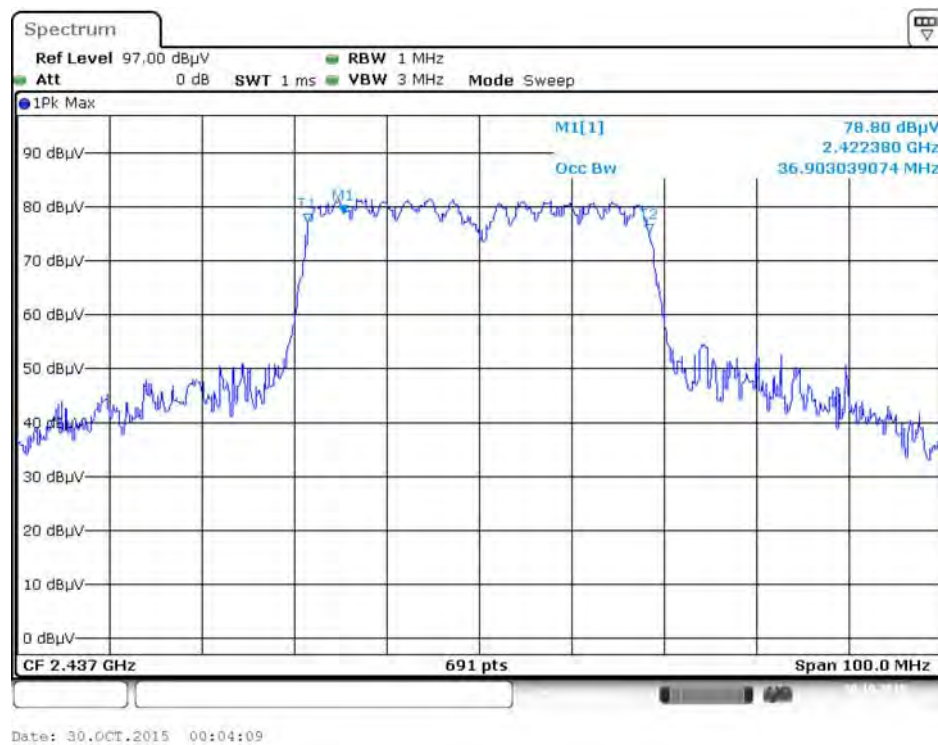
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2

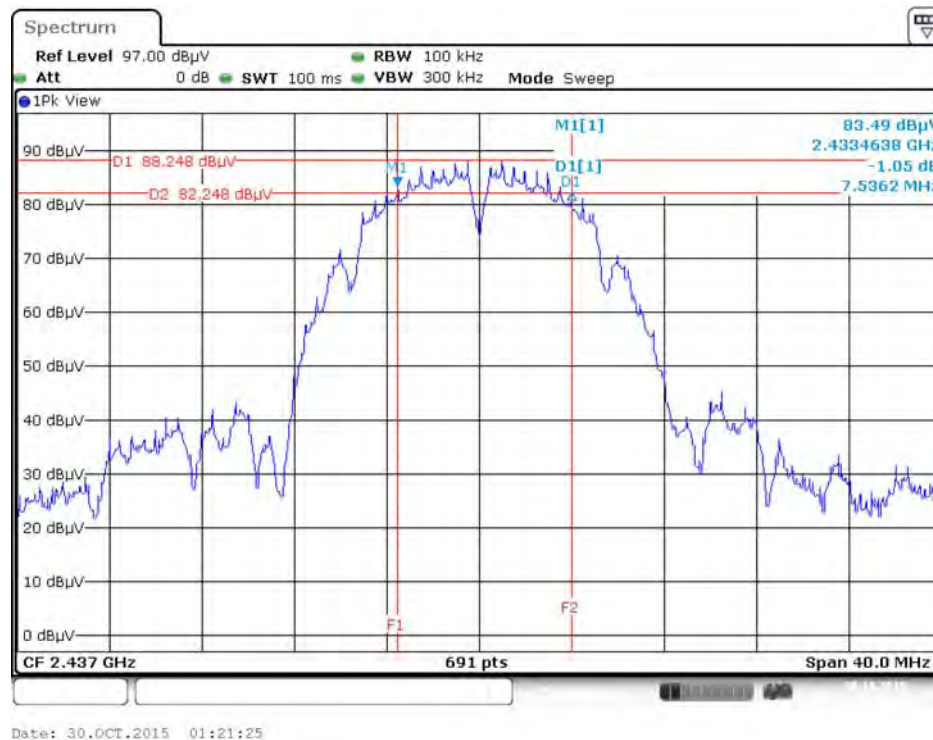


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2

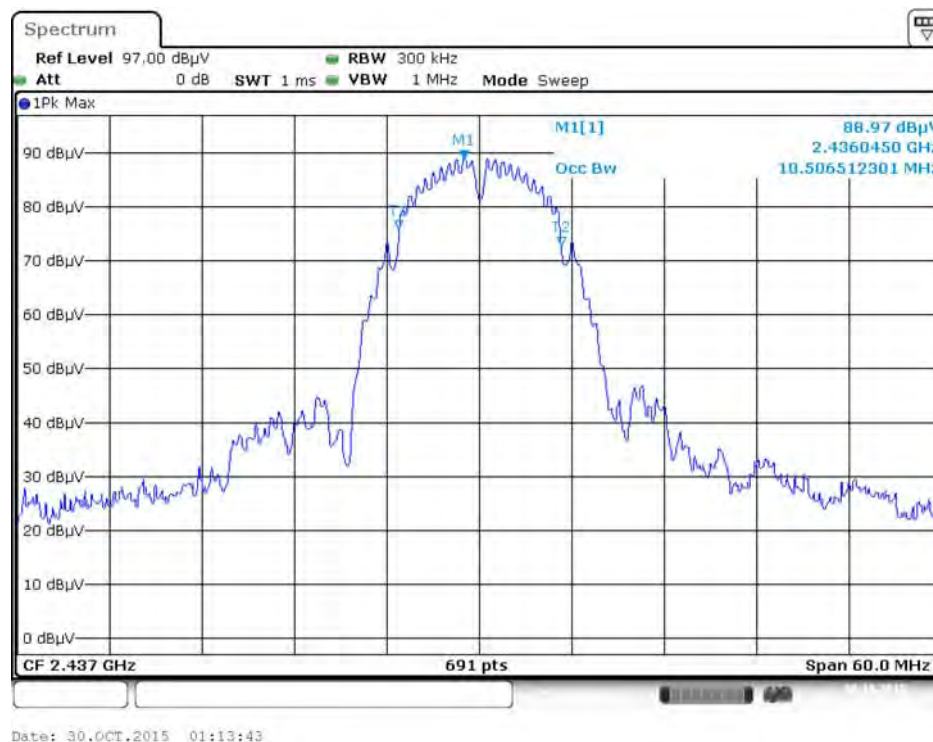


Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)

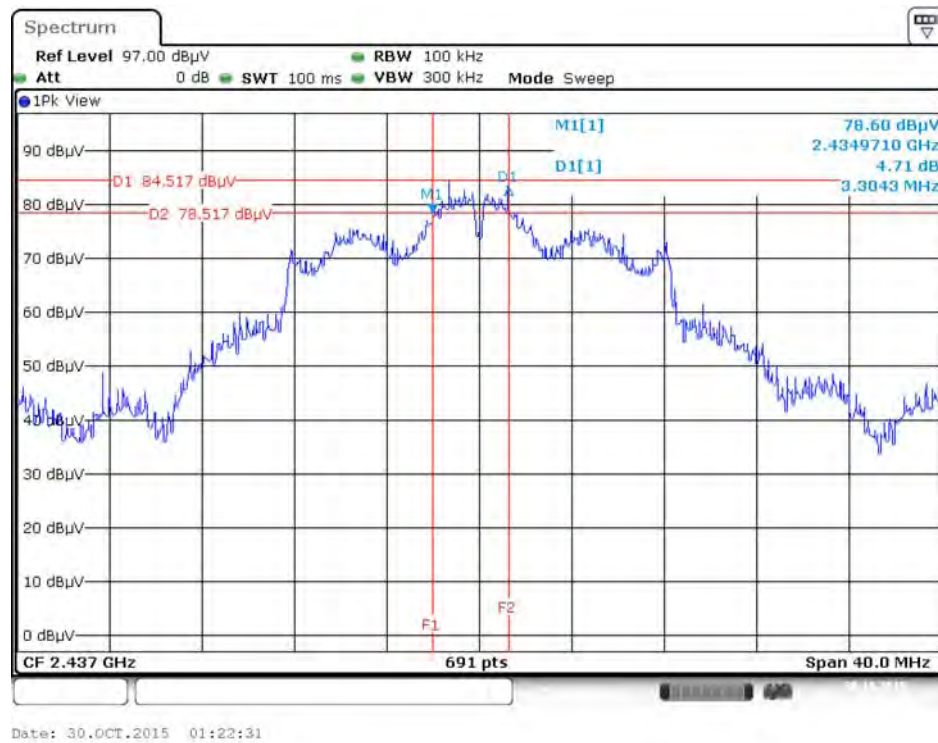
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



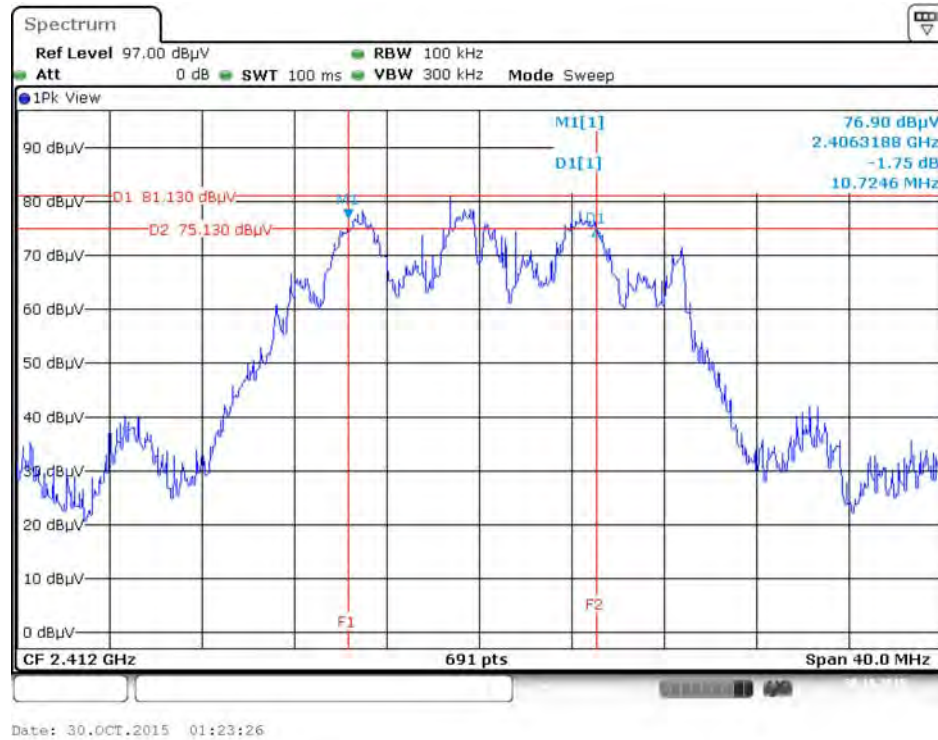
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



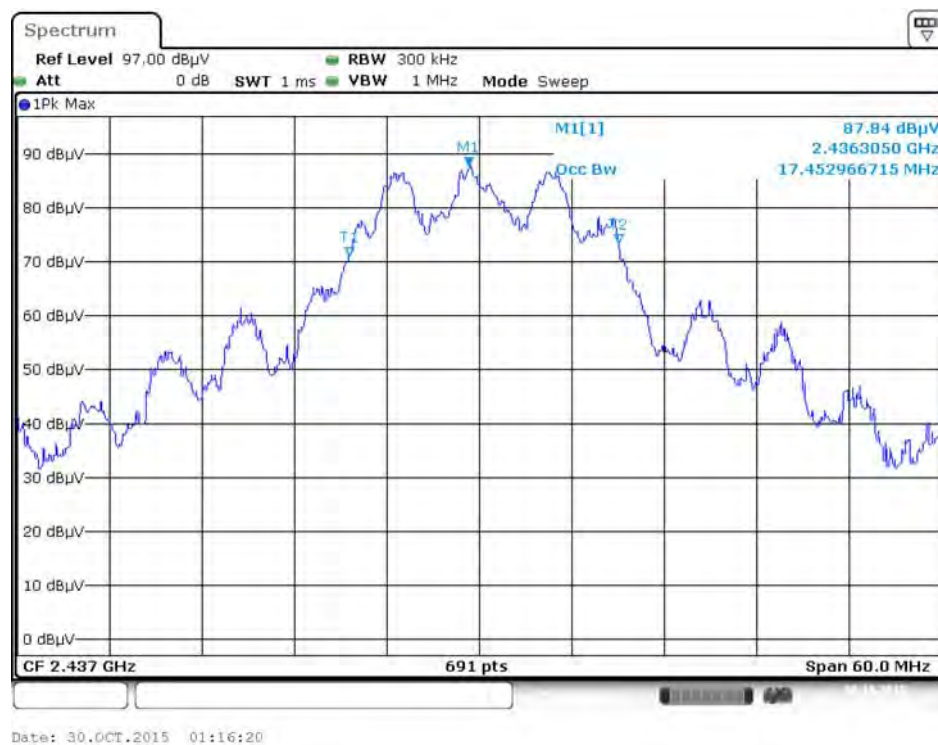
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



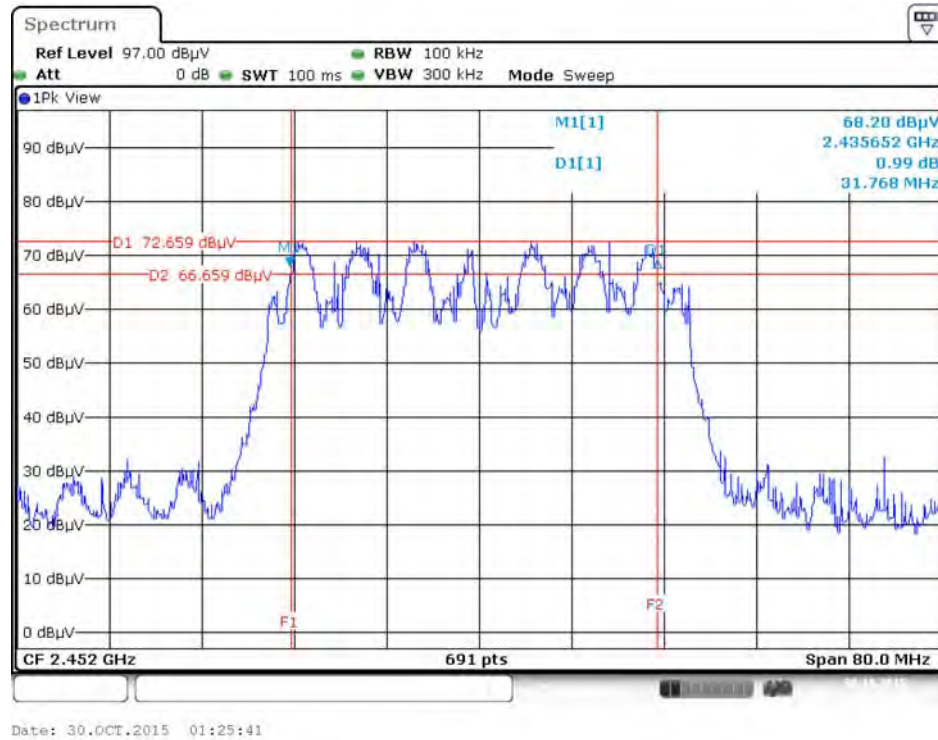
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3



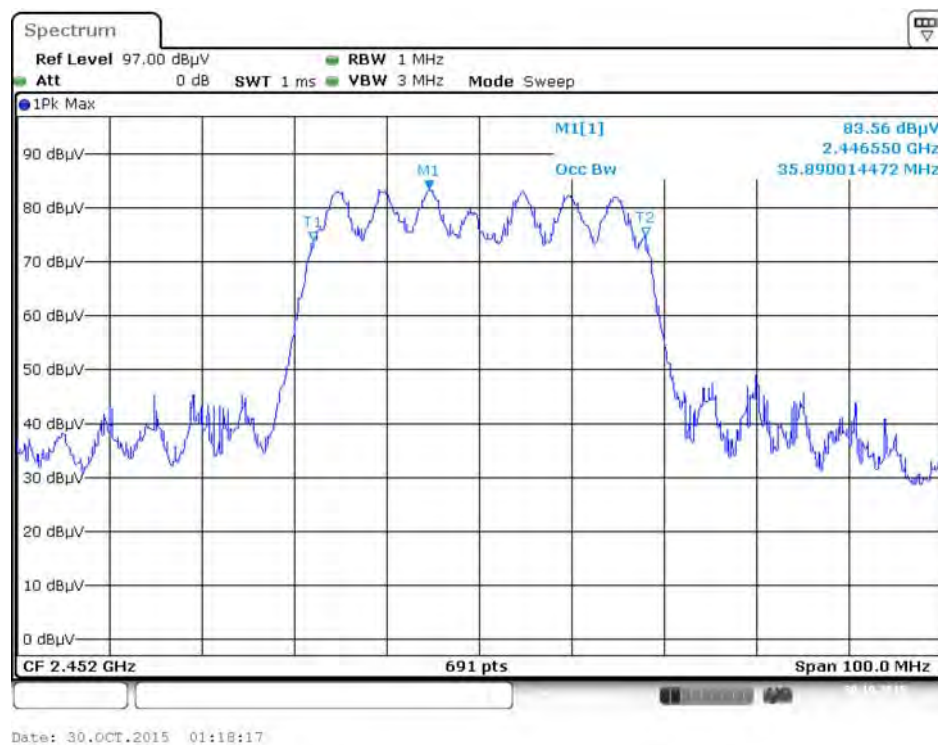
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3

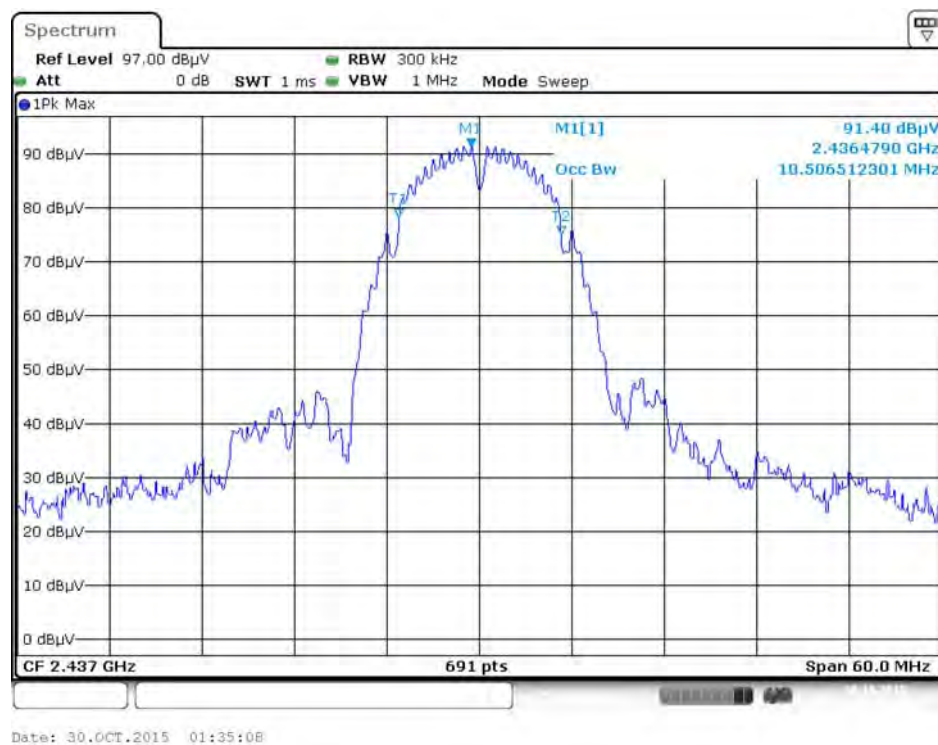


Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

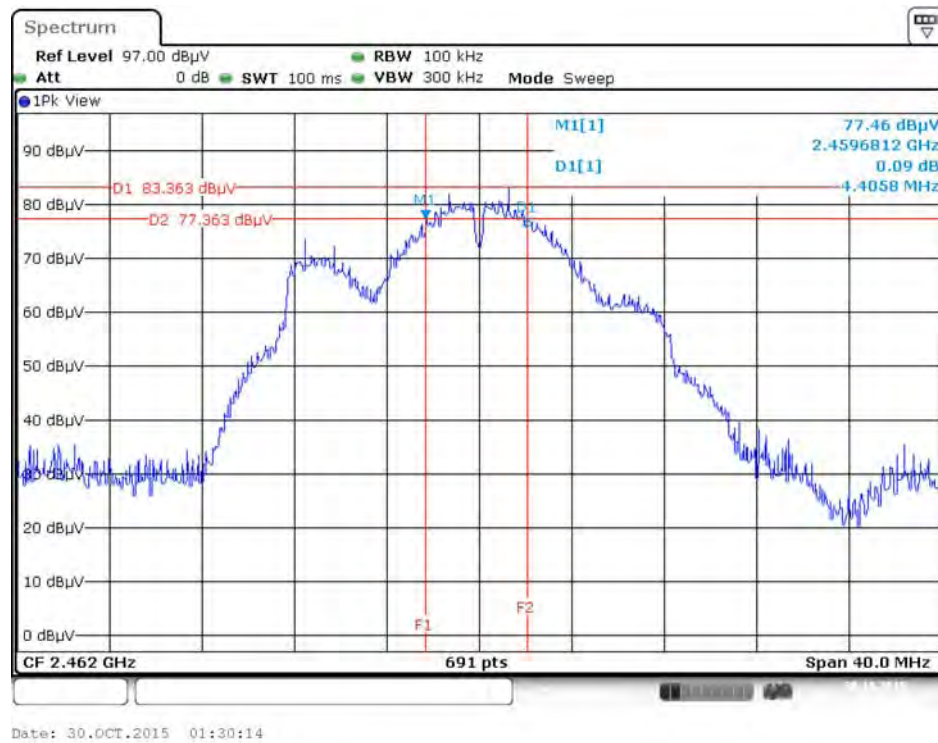
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



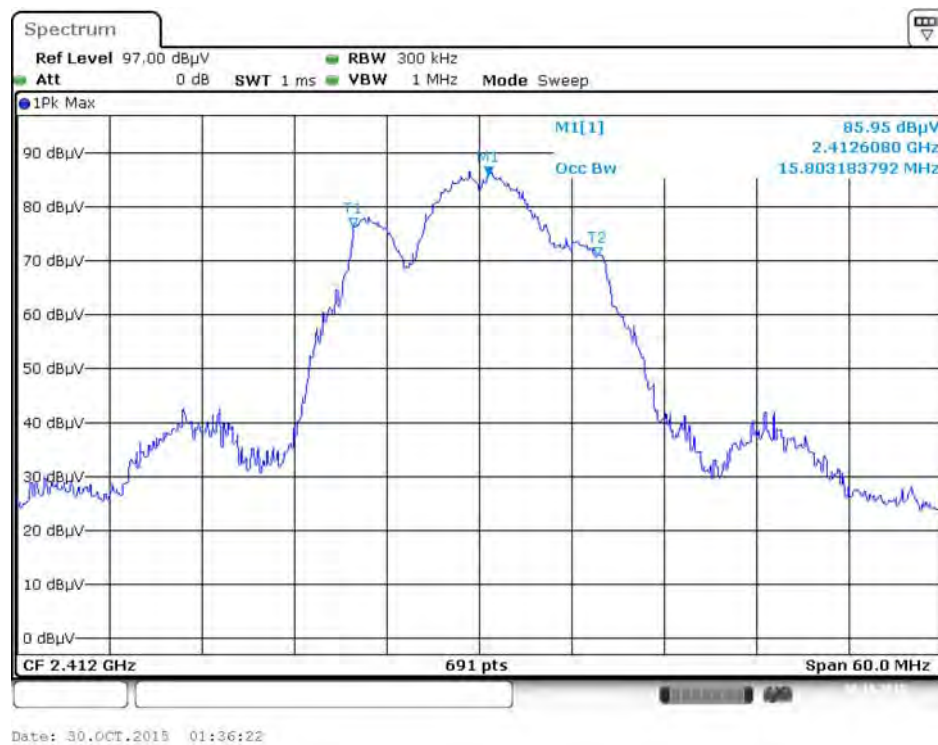
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



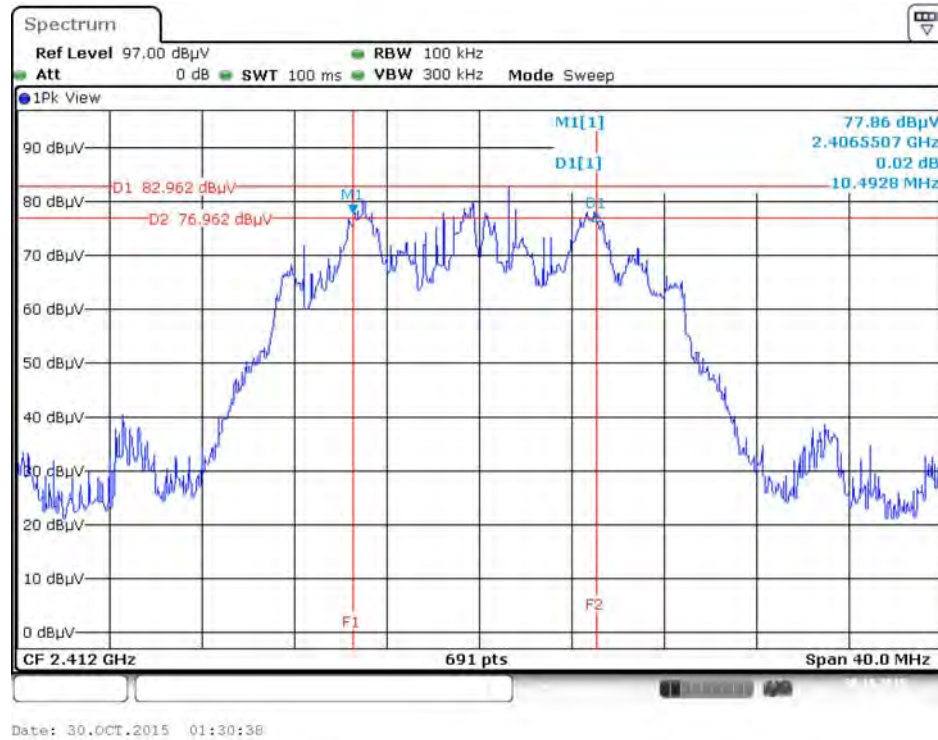
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



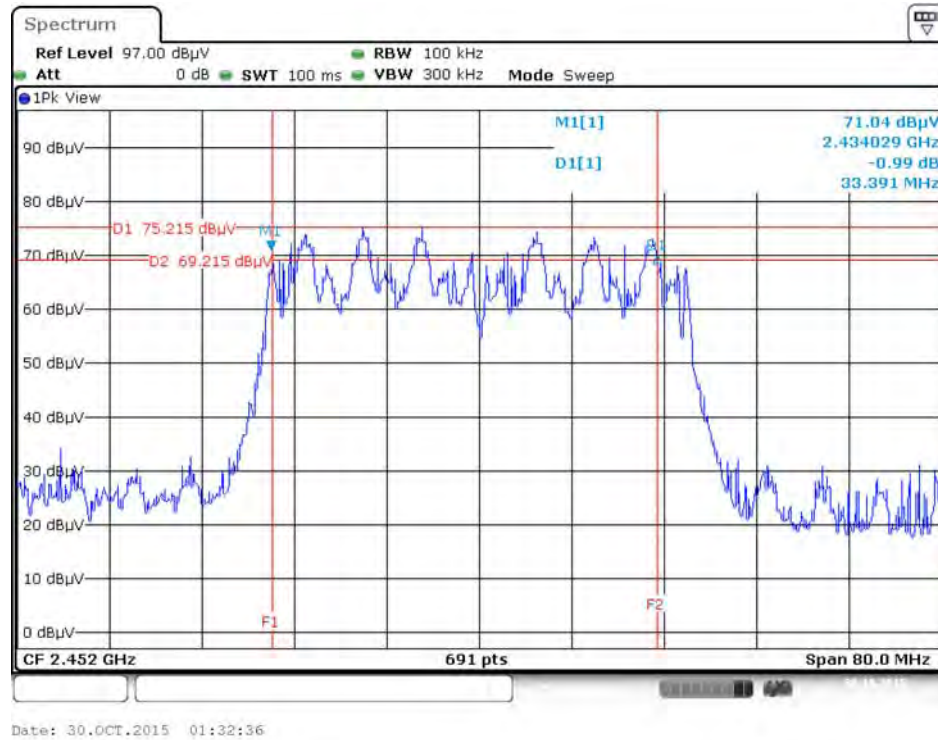
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



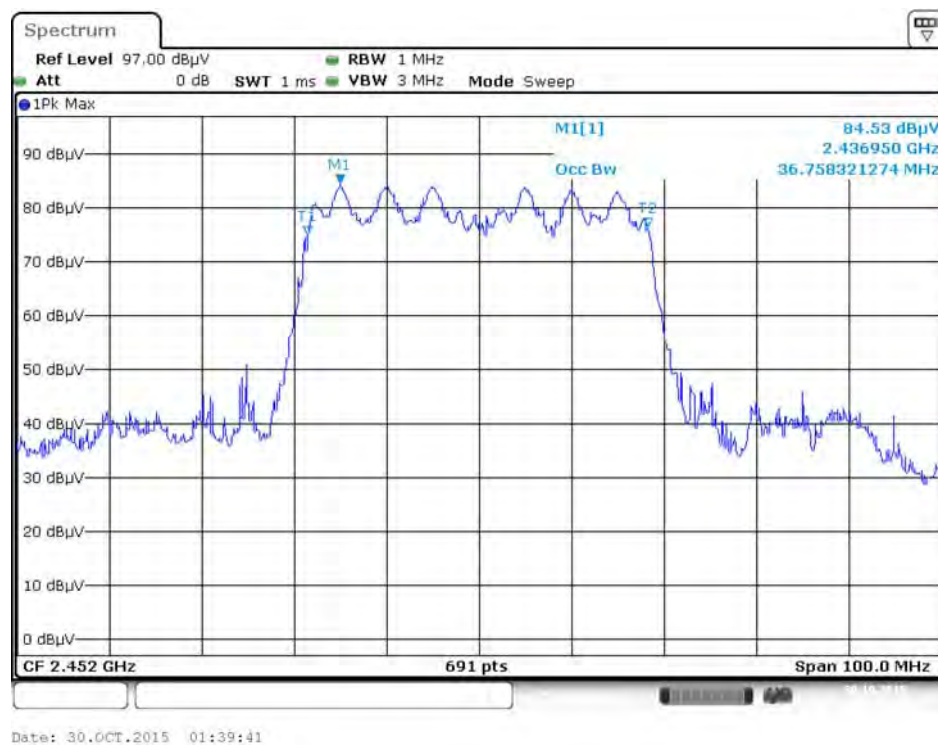
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

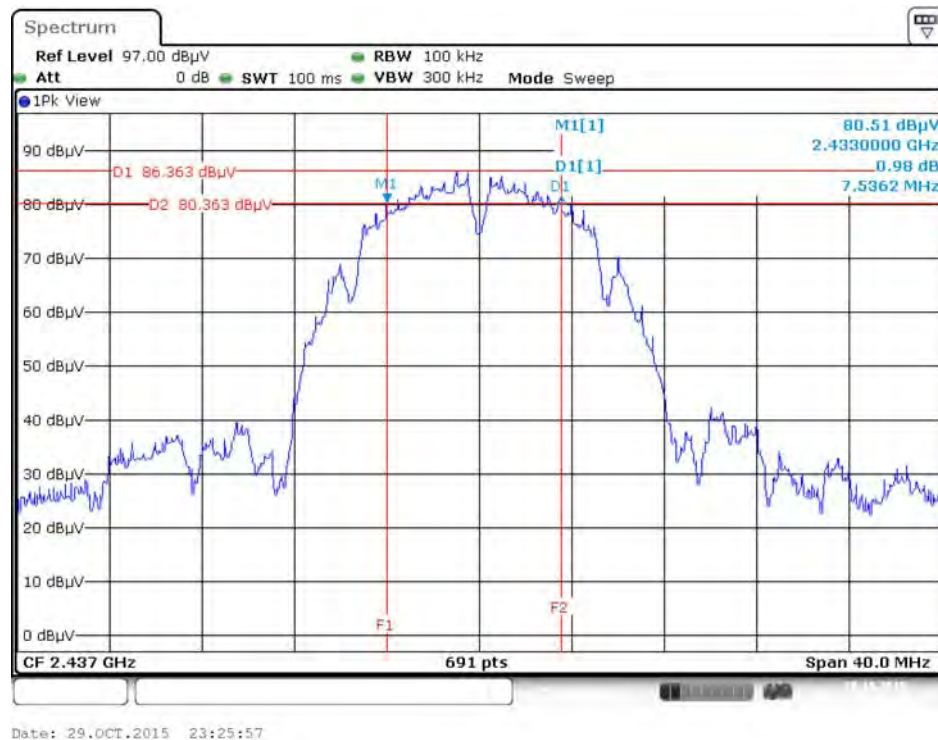


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

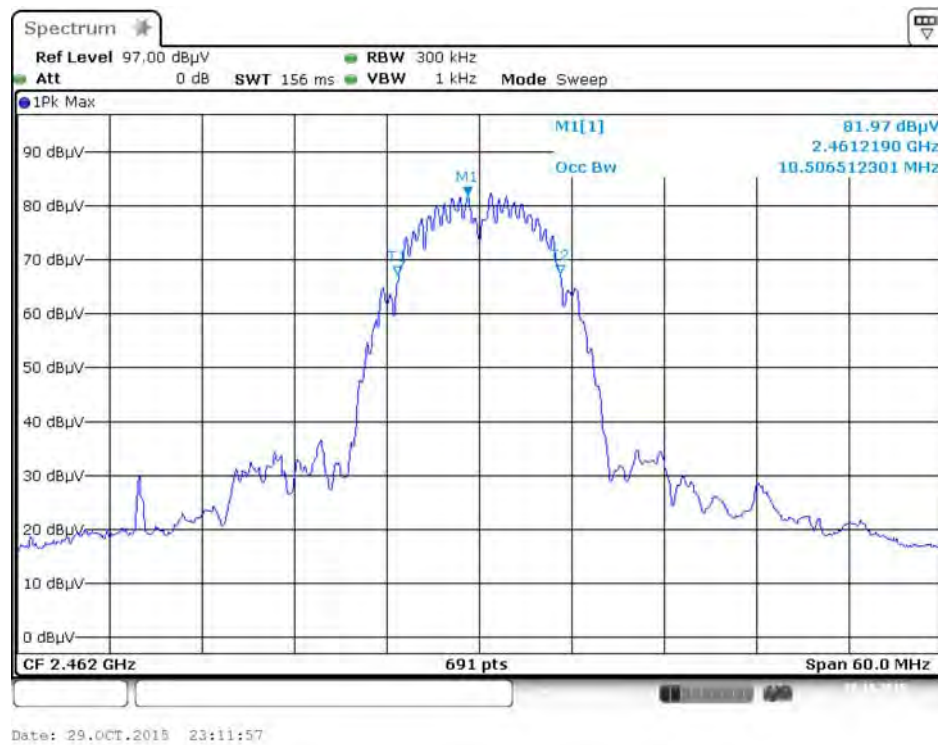


Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX)

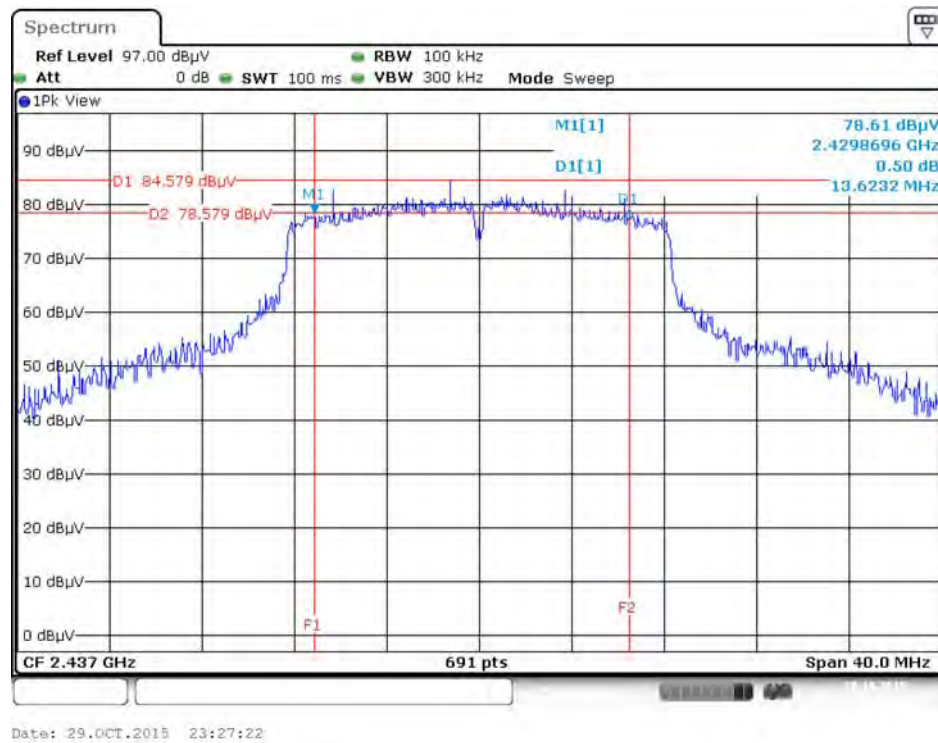
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



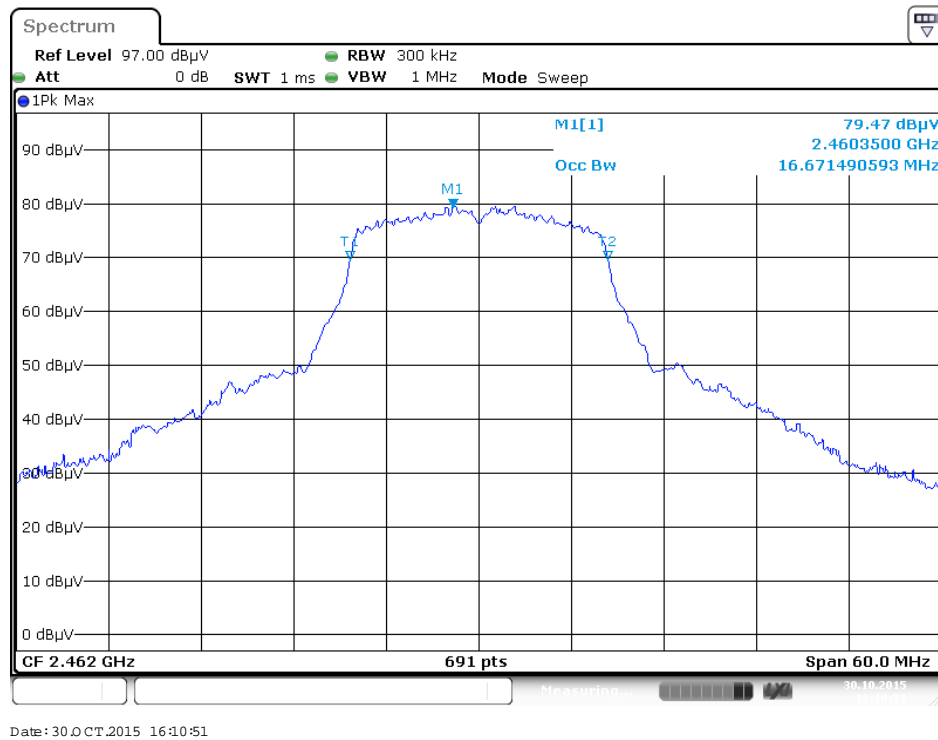
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



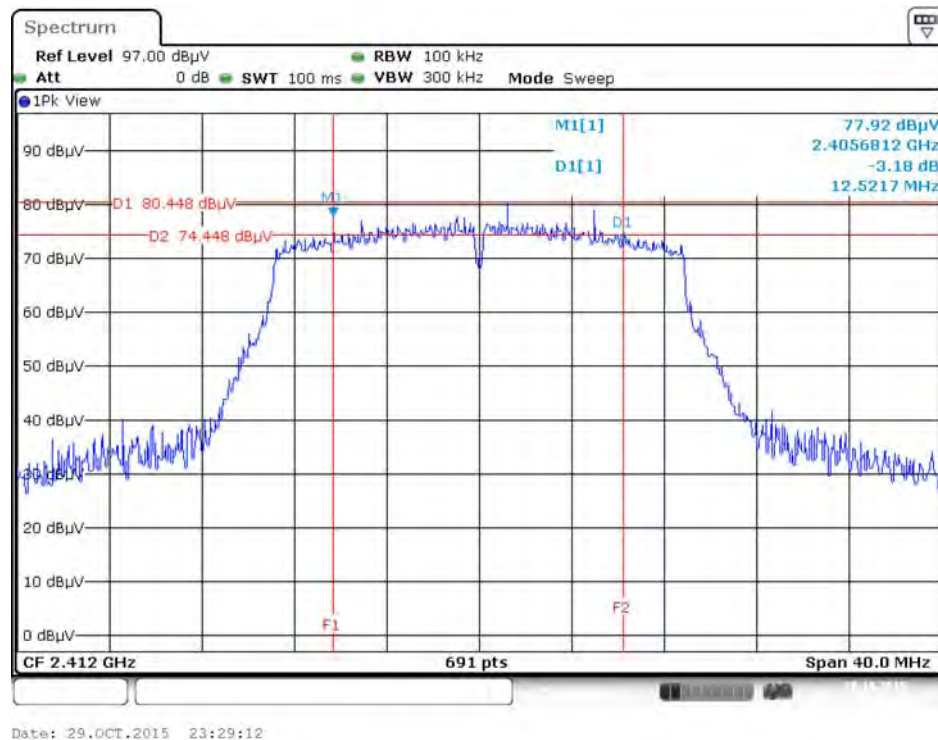
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



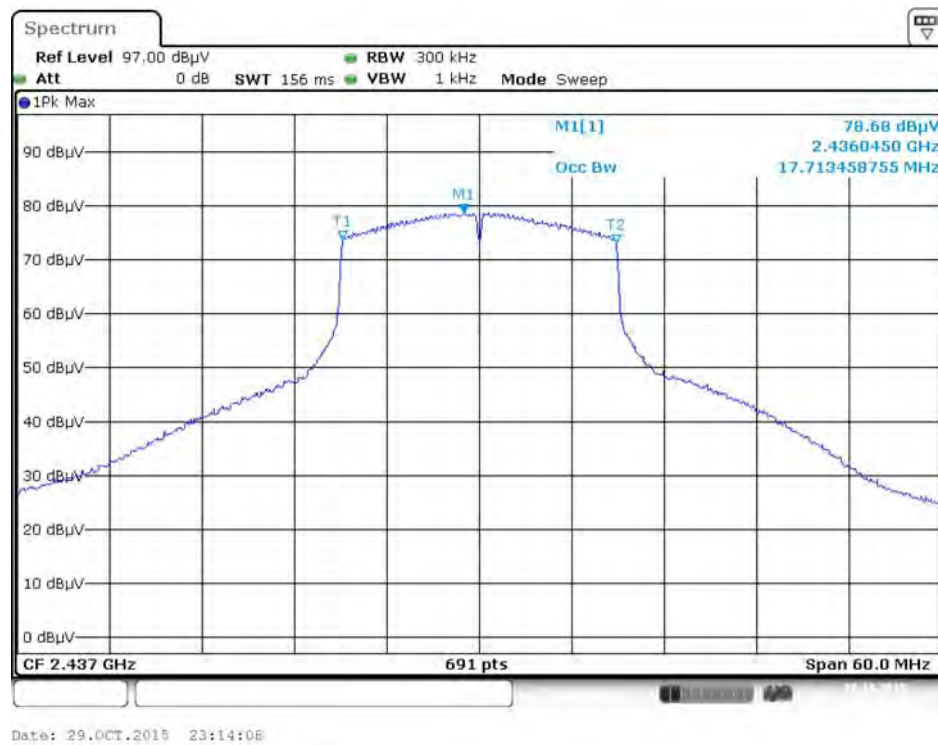
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



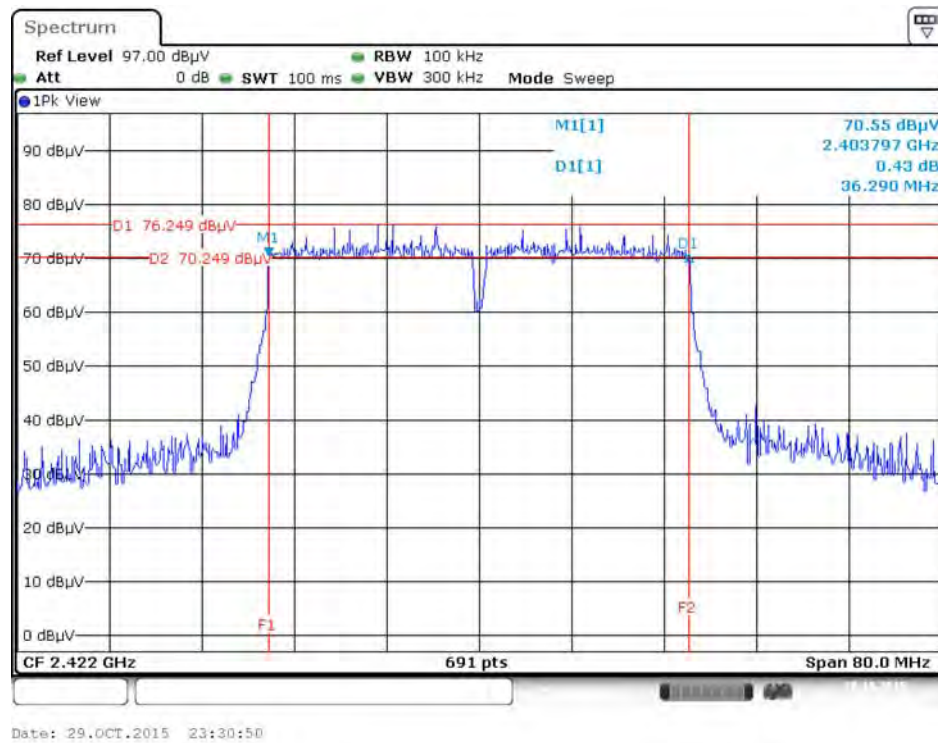
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



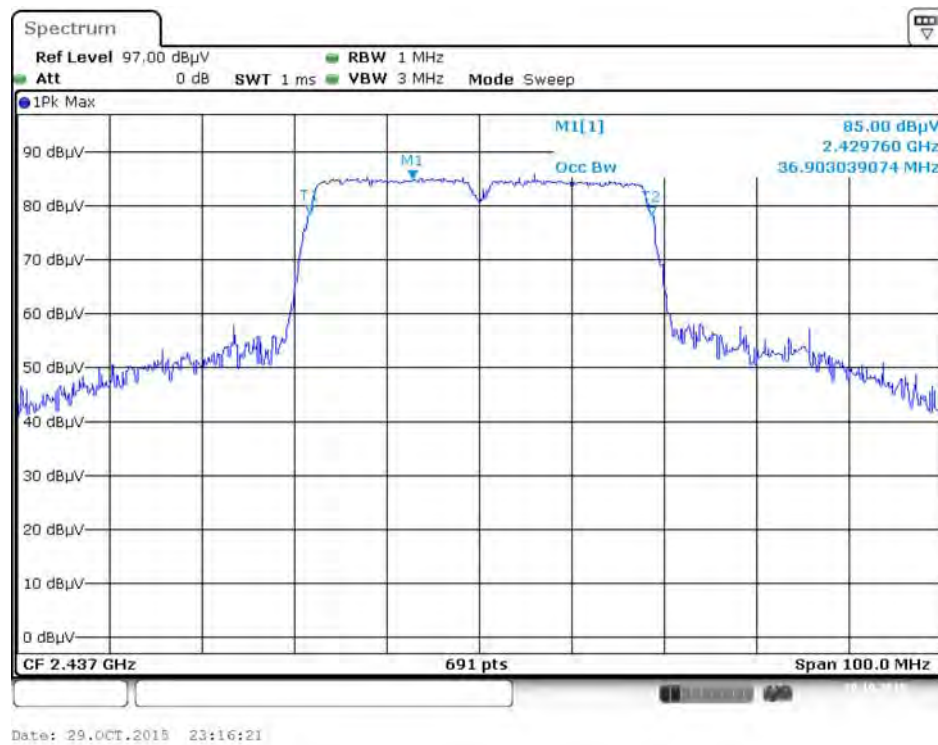
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1

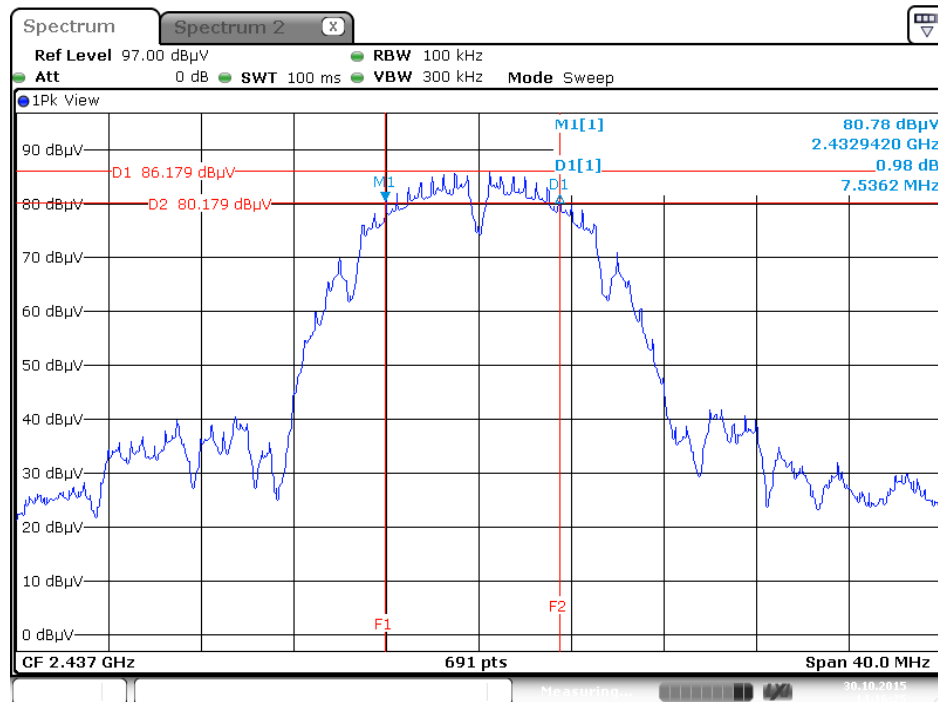


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



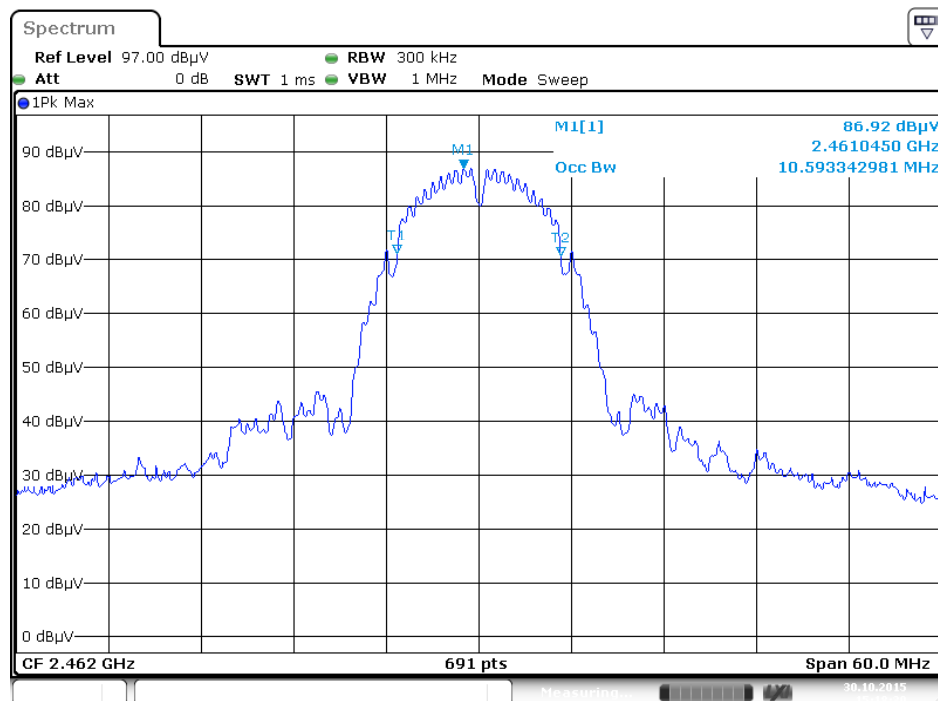
Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 3



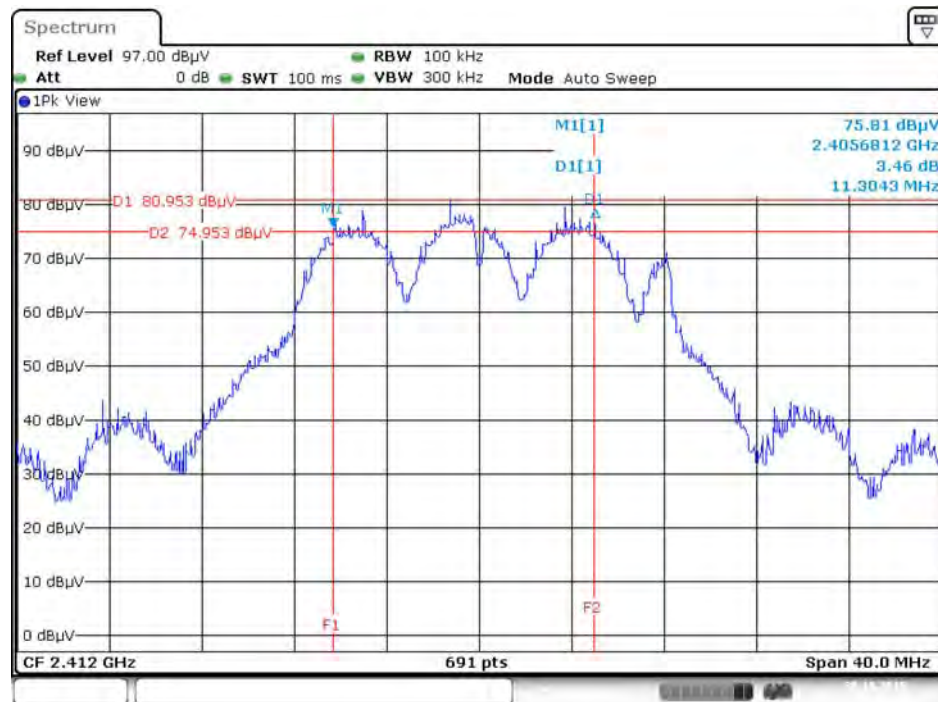
Date: 30.OCT.2015 14:16:25

99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 3

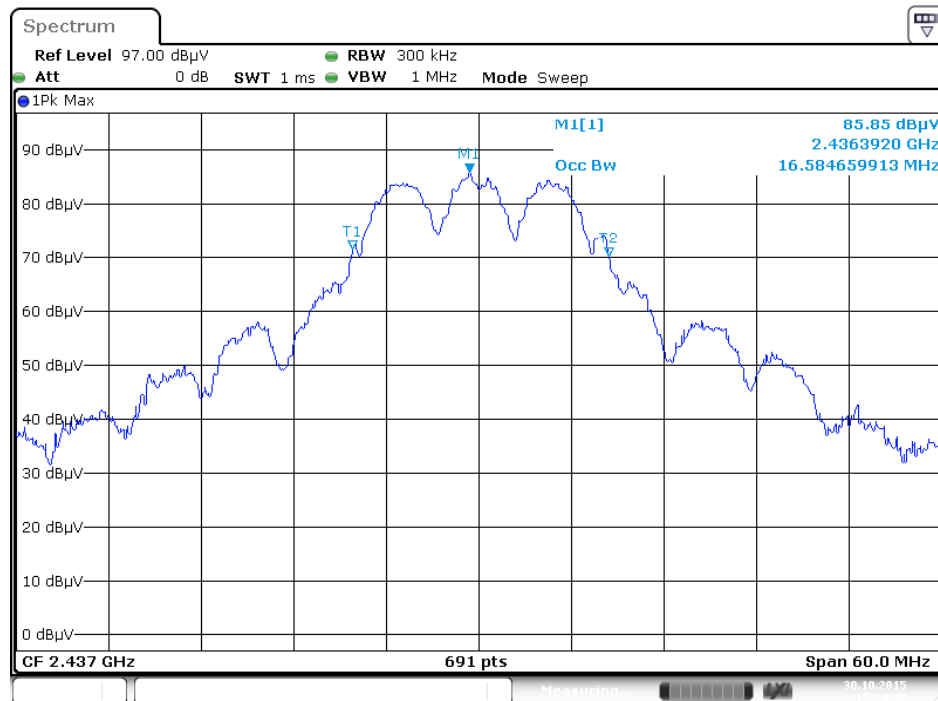


Date: 30.OCT.2015 15:18:30

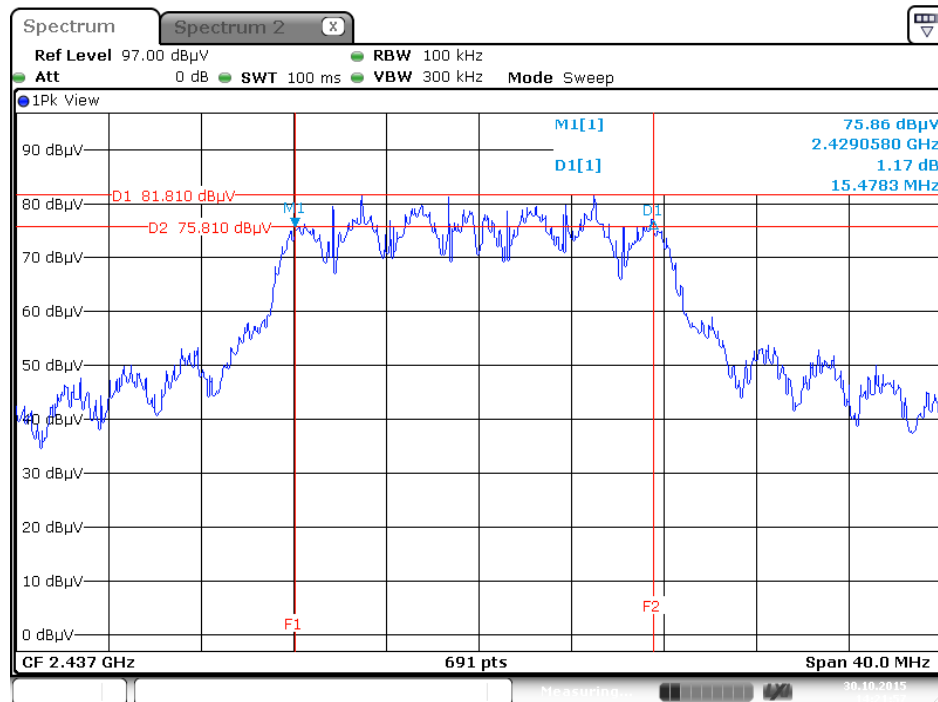
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 3

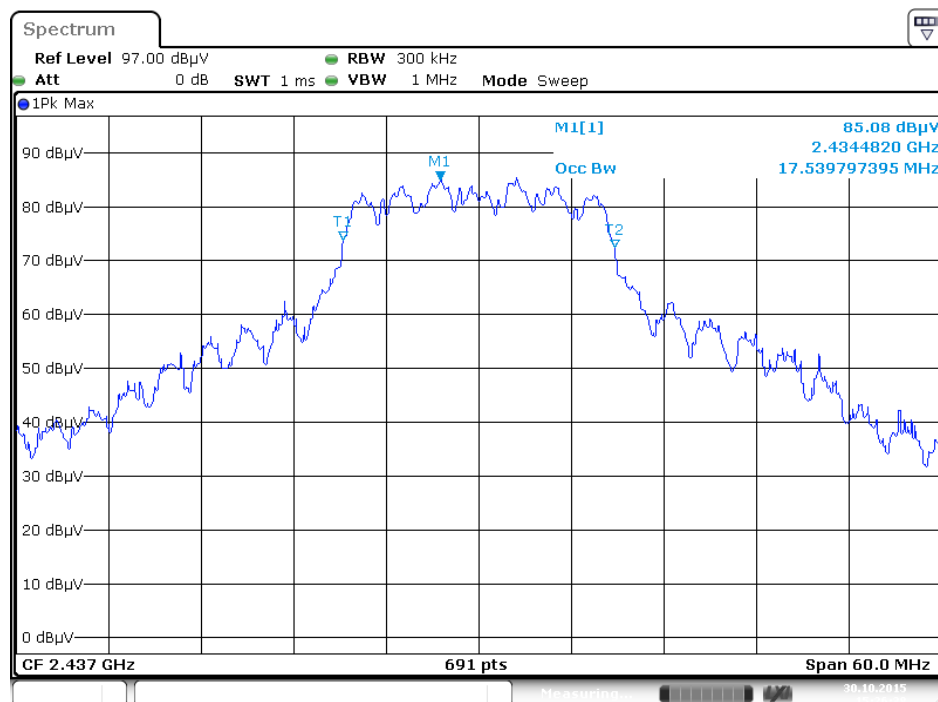


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 3



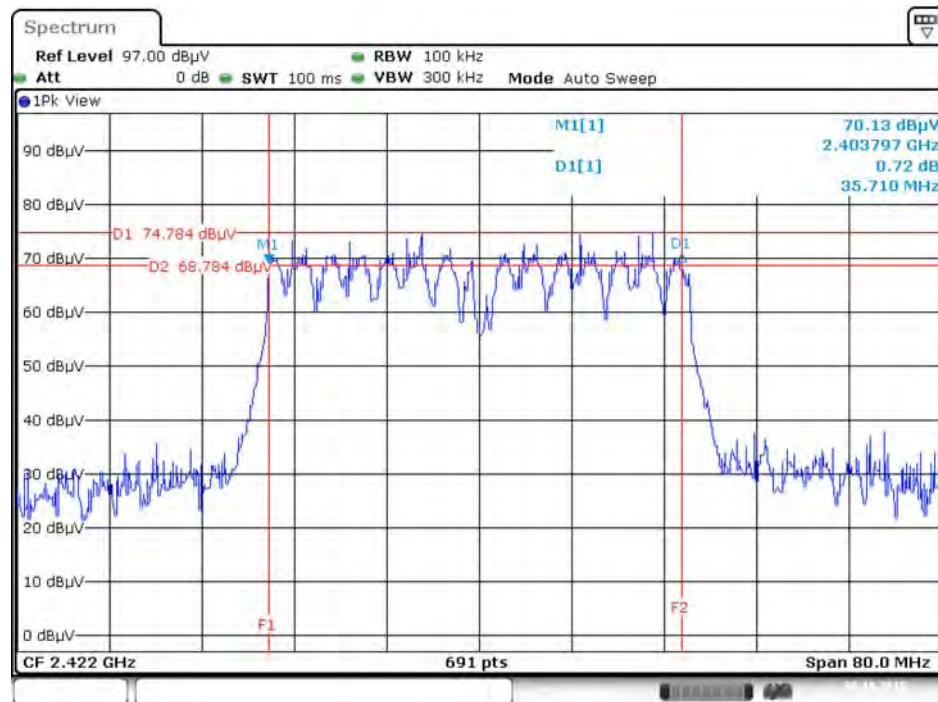
Date: 30.OCT.2015 14:21:57

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 3



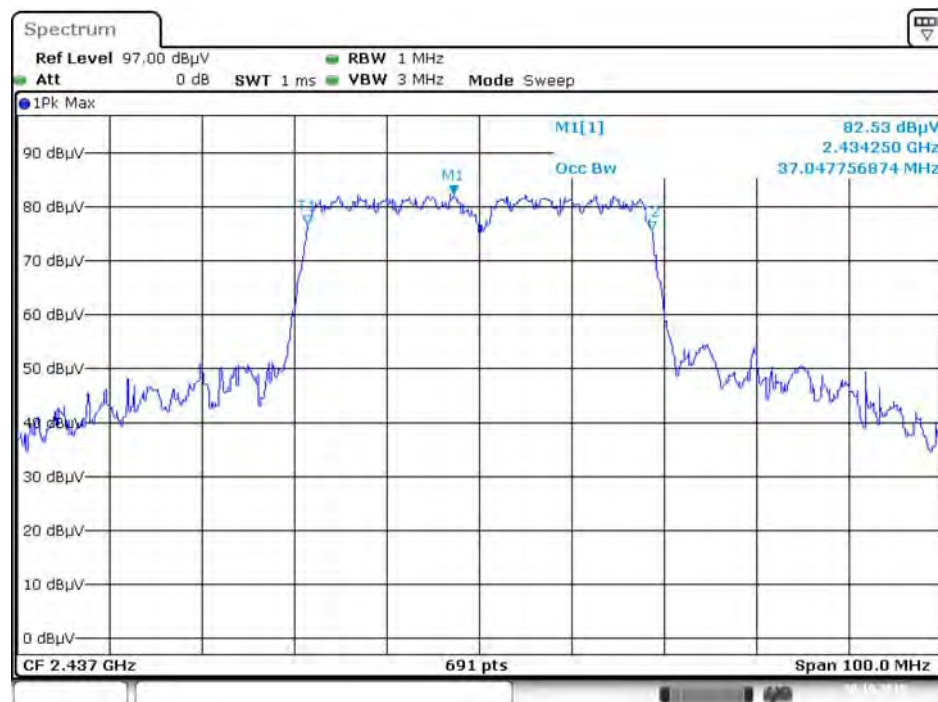
Date: 30.OCT.2015 15:26:38

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2



Date: 30.OCT.2015 20:28:53

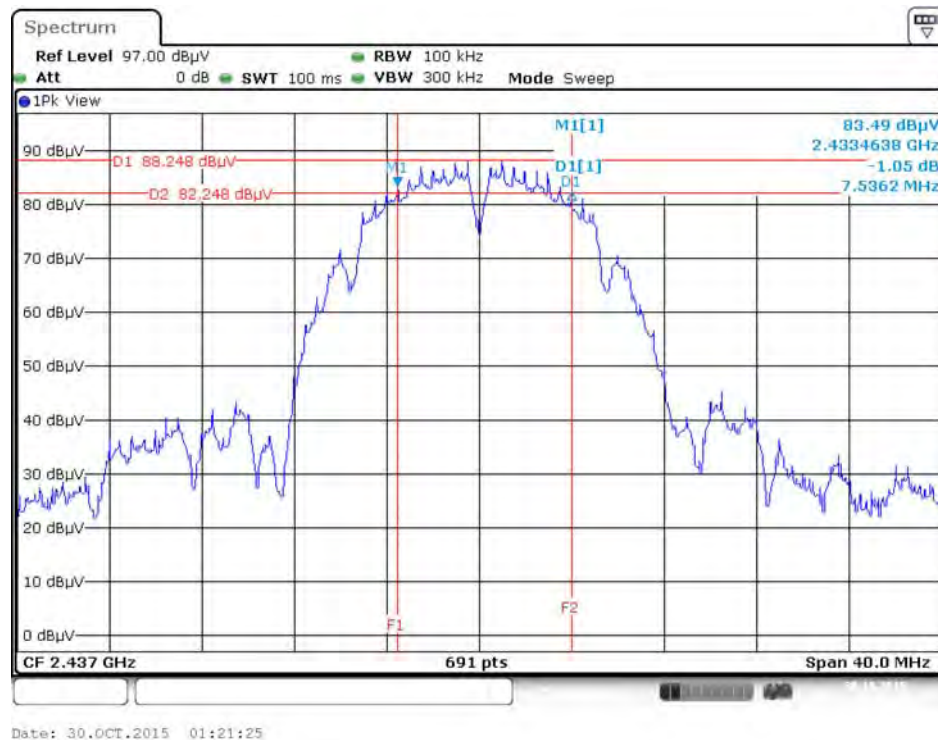
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



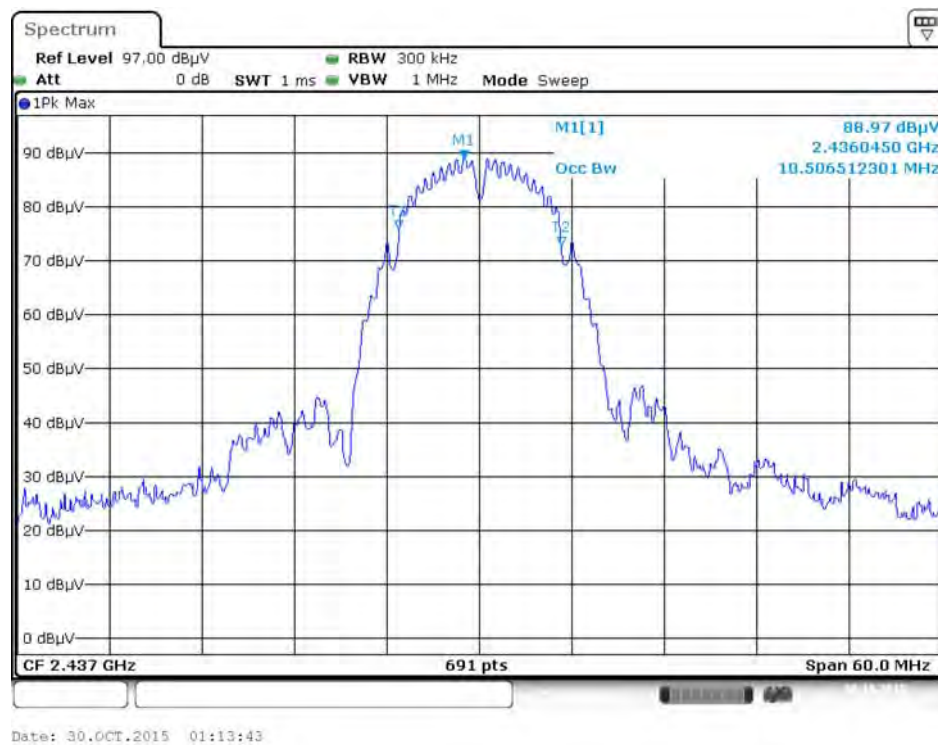
Date: 30.OCT.2015 21:14:24

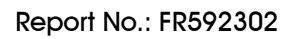
Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3





Spectrum
 Ref Level 97.00 dBμV
 Att 0 dB RBW 100 kHz
 SWT 100 ms VBW 300 kHz Mode Sweep

1Pk View

90 dBμV
 80 dBμV
 70 dBμV
 60 dBμV
 50 dBμV
 40 dBμV
 30 dBμV
 20 dBμV
 10 dBμV
 0 dBμV

D1 84.517 dBμV
 D2 78.517 dBμV

M1
 D1

M1[1] 78.60 dBμV
 2.4349710 GHz
 D1[1] 4.71 dB
 3.3043 MHz

F1 F2

CF 2.437 GHz 691 pts Span 40.0 MHz

Date: 30.OCT.2015 01:22:31

Spectrum

Ref Level 97.00 dBμV

Att 0 dB

SWT 1 ms

RBW 300 kHz

VBW 1 MHz

Mode Sweep

1Pk Max

MI[1]

M1

Occ BW

87.36 dBμV

2.4420000 GHz

16.845151954 MHz

90 dBμV

80 dBμV

70 dBμV

60 dBμV

50 dBμV

40 dBμV

30 dBμV

20 dBμV

10 dBμV

0 dBμV

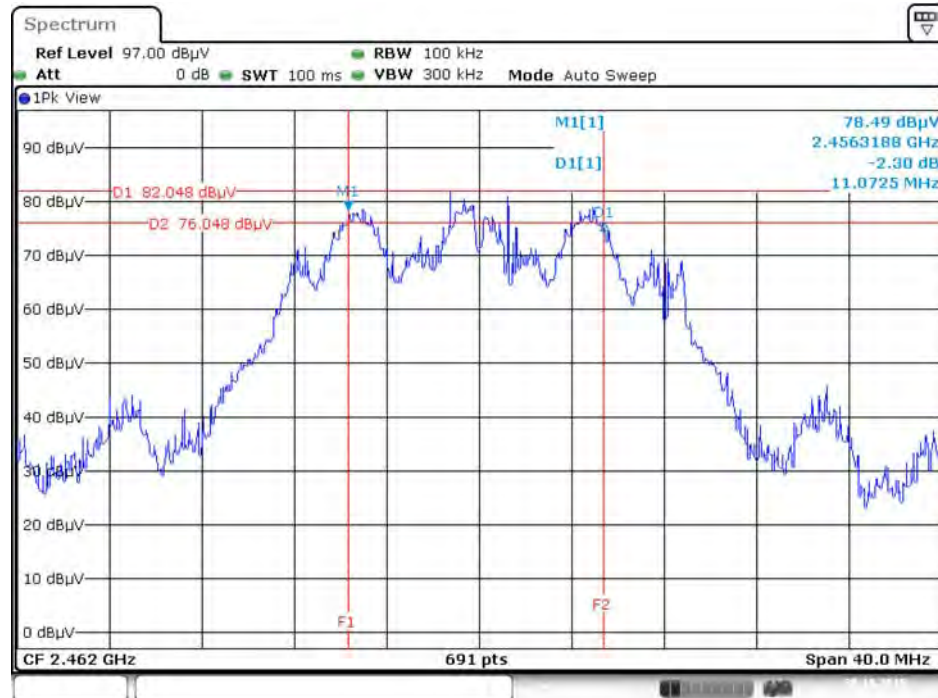
CF 2.437 GHz

691 pts

Span 60.0 MHz

Date: 30.OCT.2015 01:14:50

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1 + Chain 2 + Chain 3



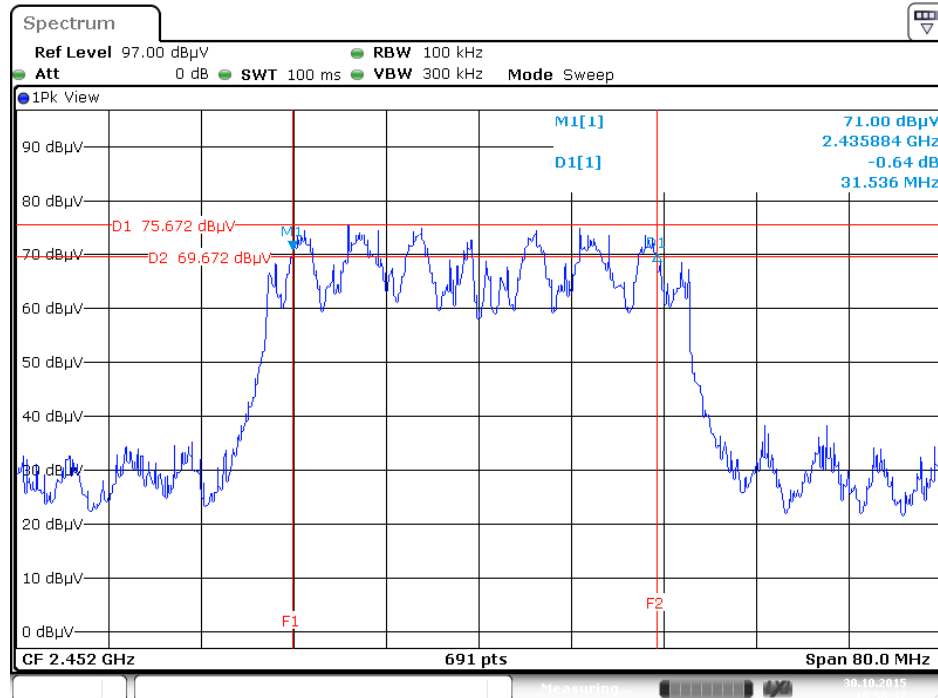
Date: 30.OCT.2015 20:31:32

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



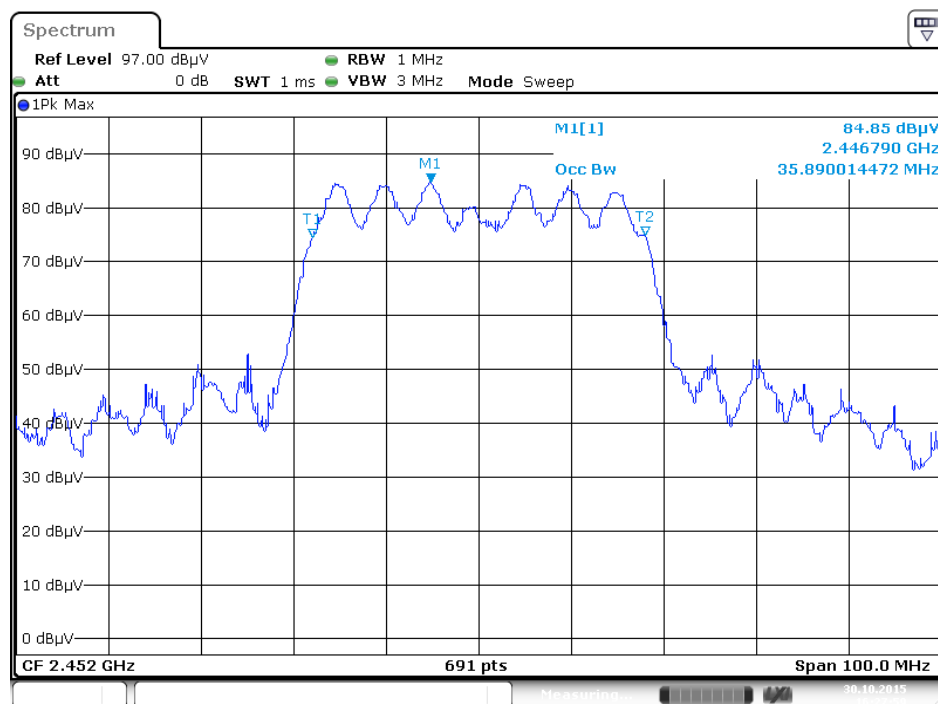
Date: 30.OCT.2015 01:16:20

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



Date: 30.OCT.2015 16:50:37

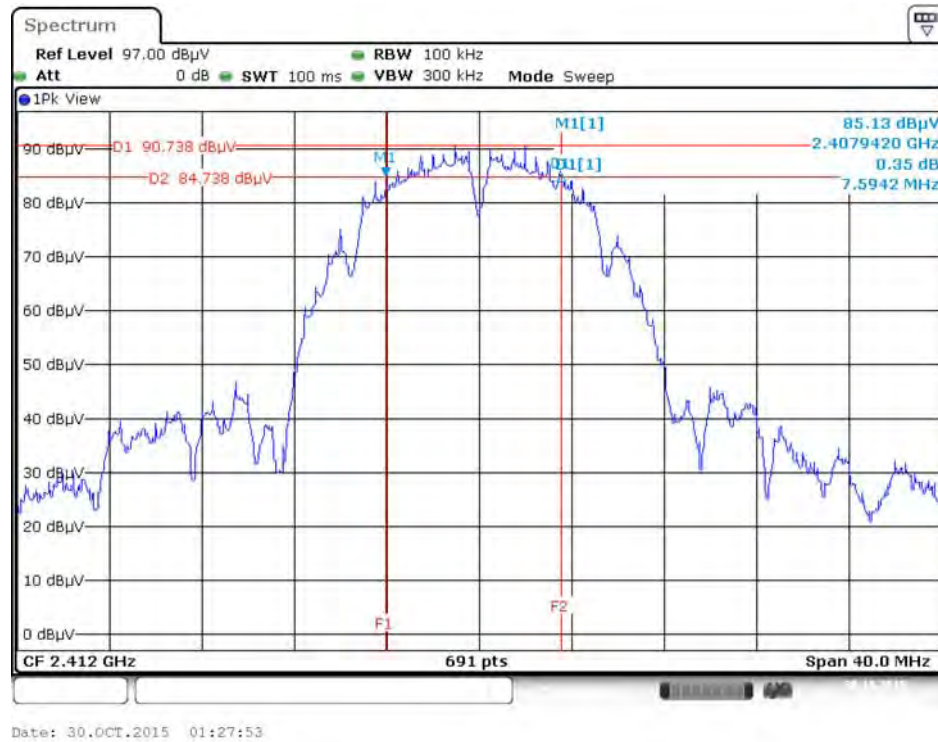
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



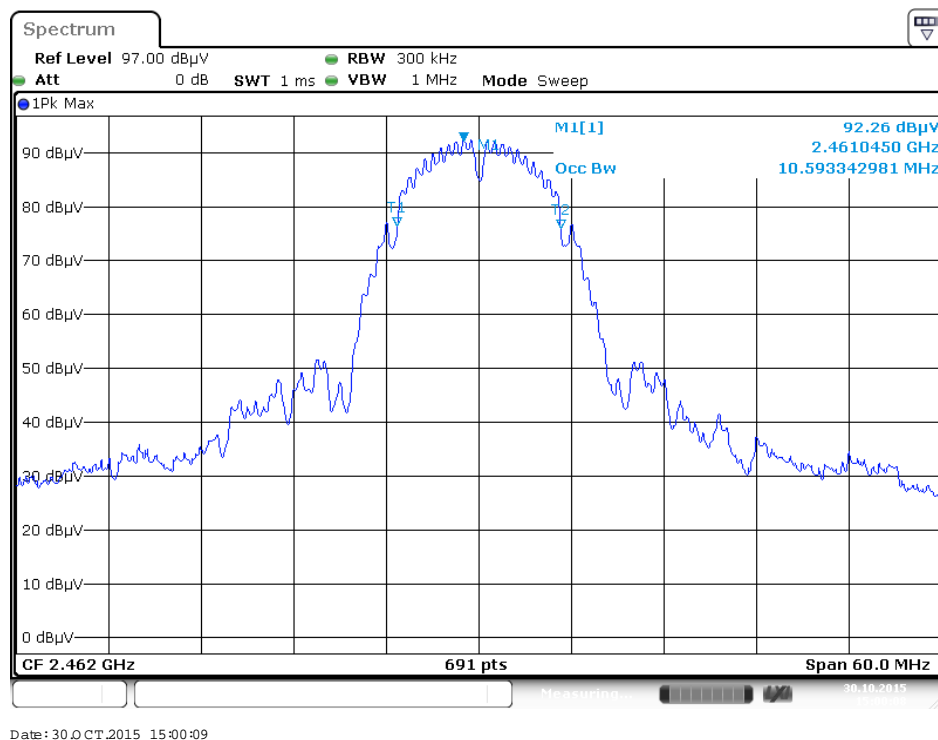
Date: 30.OCT.2015 16:27:59

Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

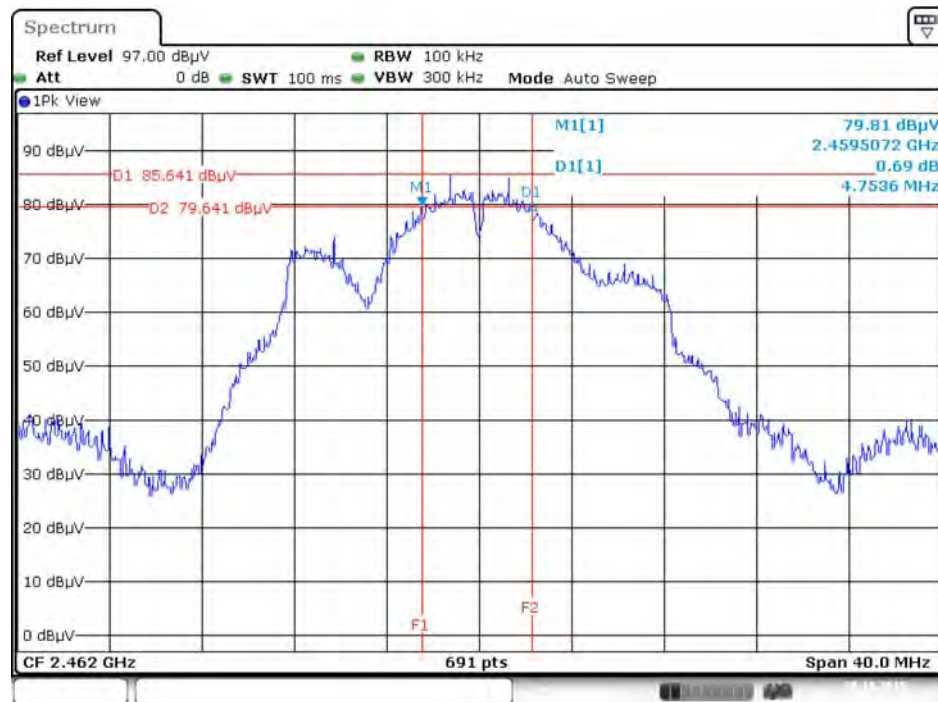
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

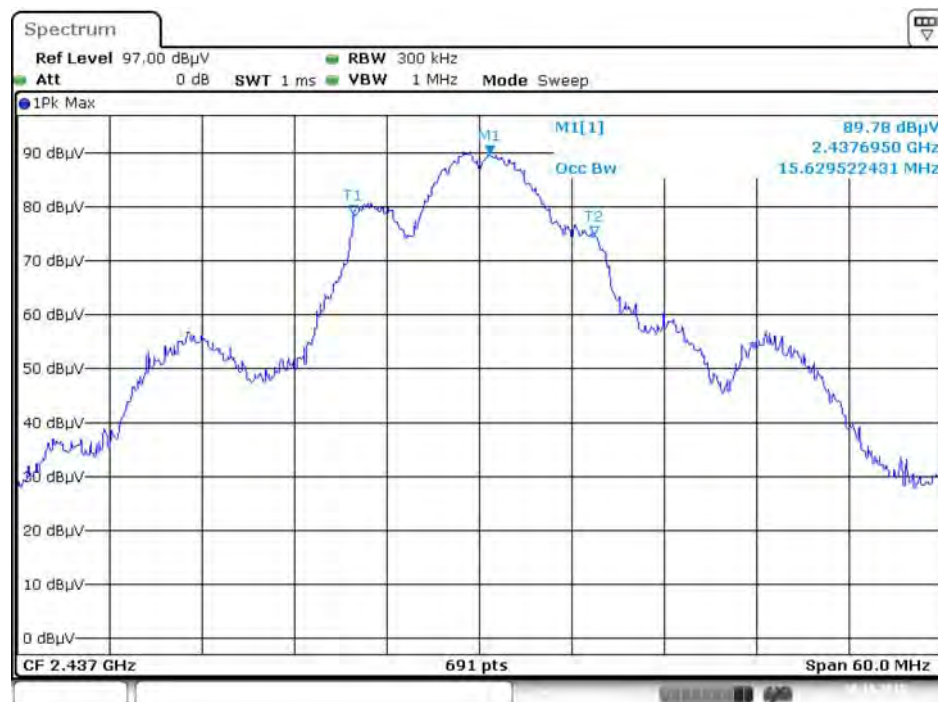


6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



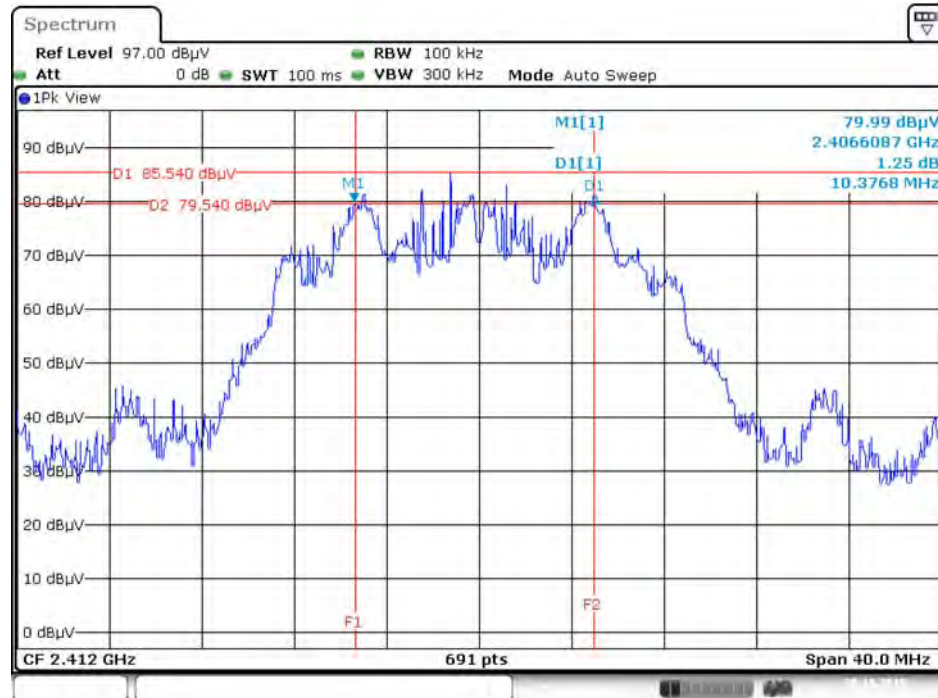
Date: 30.OCT.2015 20:32:59

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 30.OCT.2015 01:36:44

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



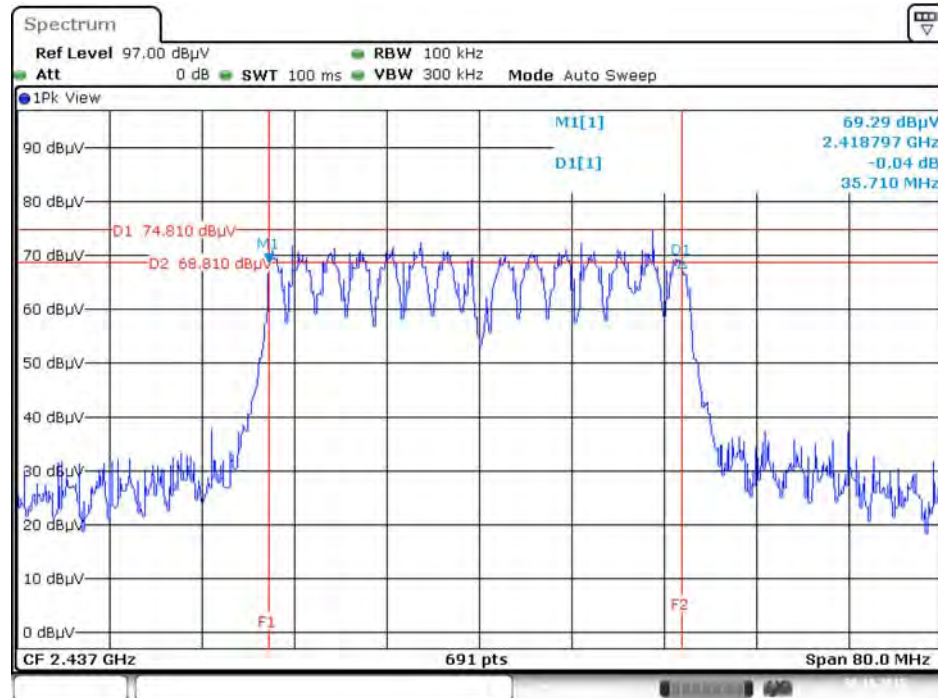
Date: 30.OCT.2015 20:33:29

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



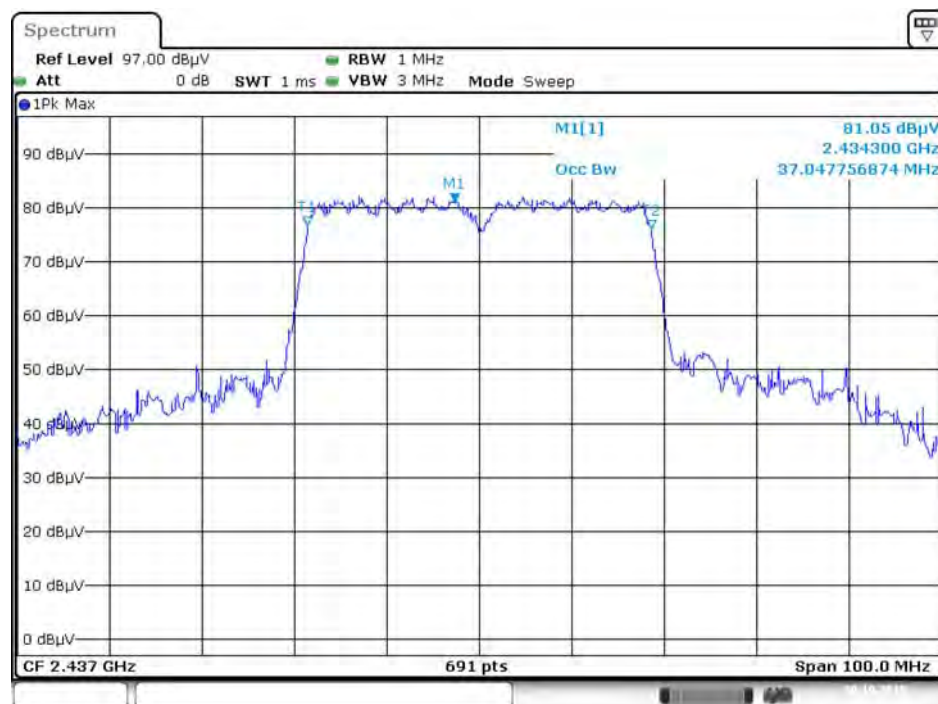
Date: 30.OCT.2015 01:37:55

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 30.OCT.2015 20:34:34

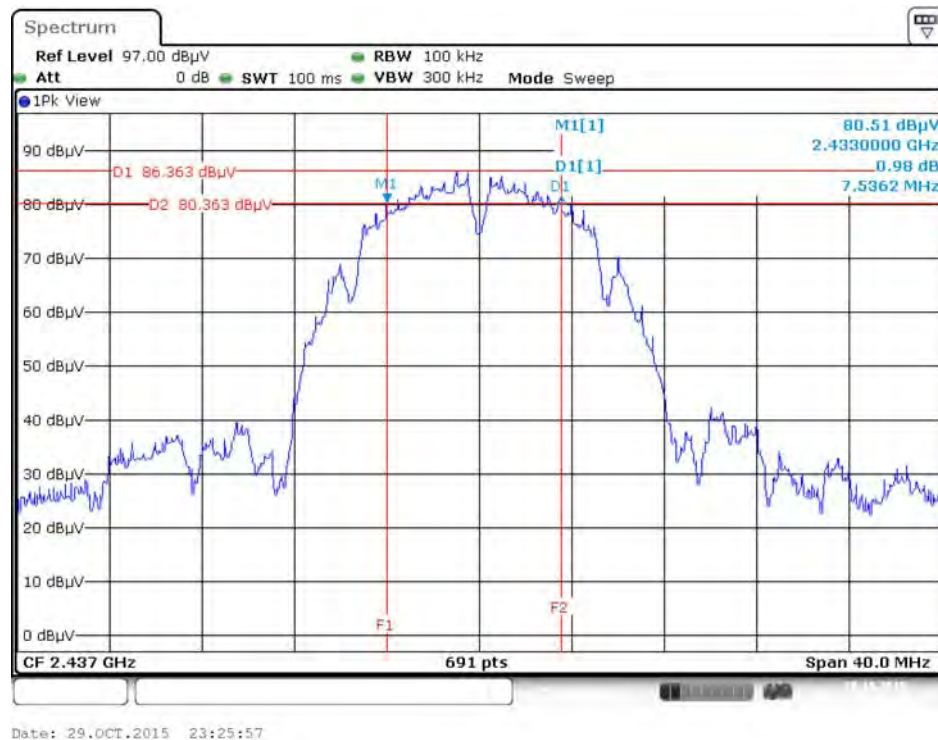
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



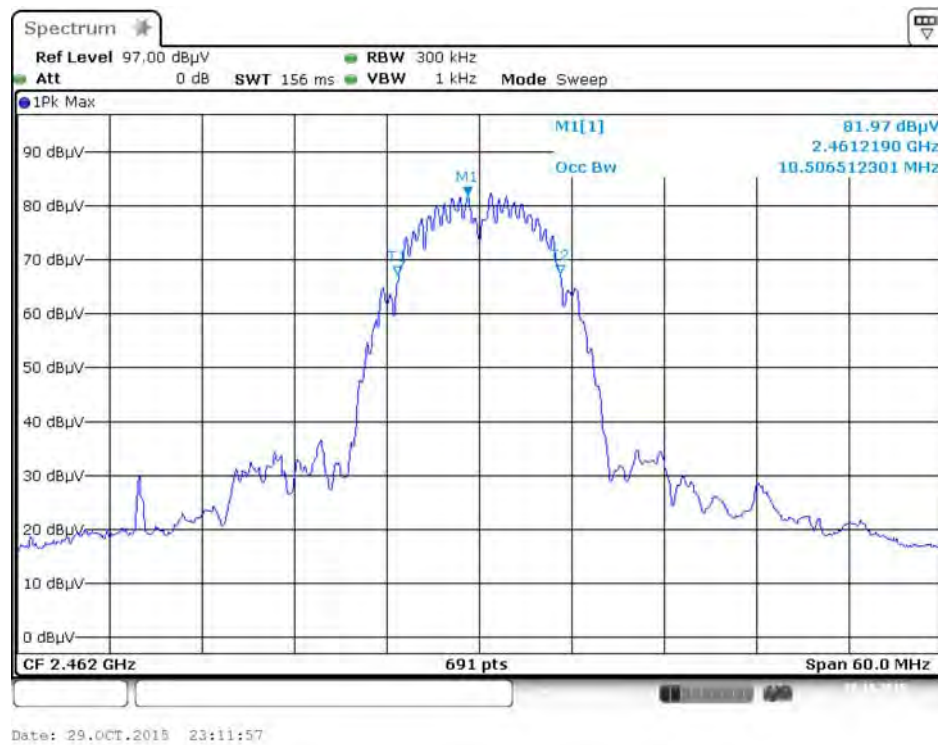
Date: 30.OCT.2015 21:07:20

Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX)

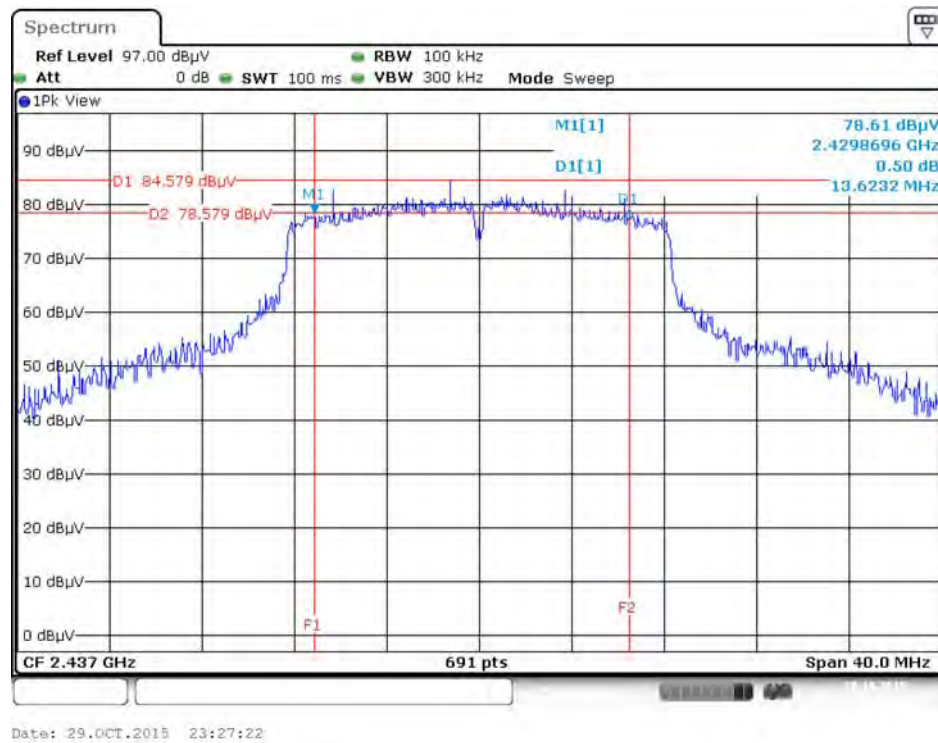
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



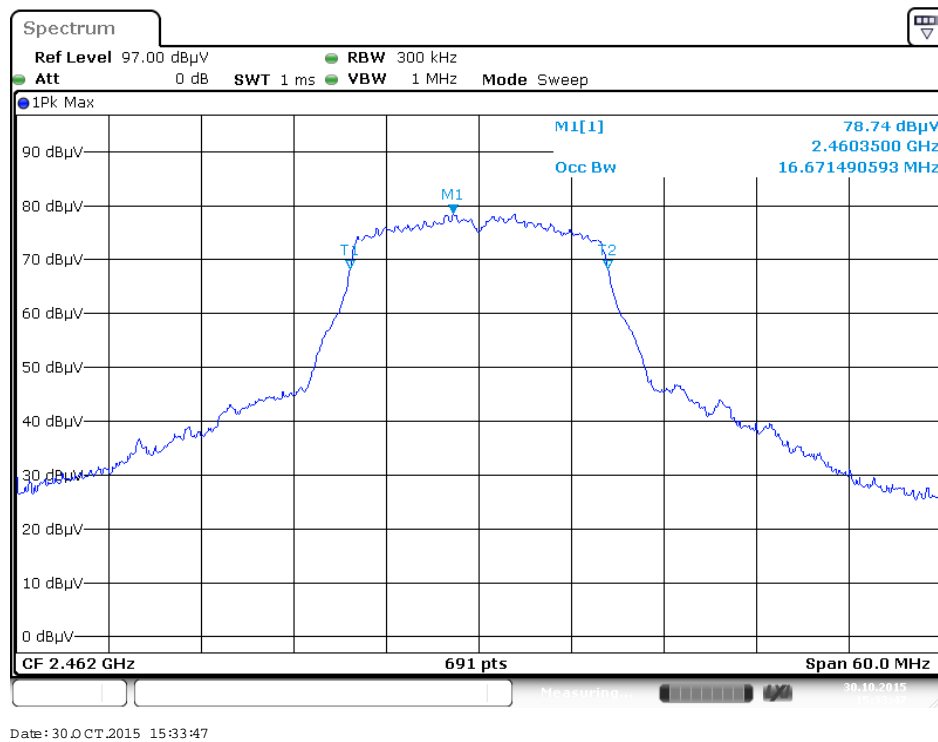
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



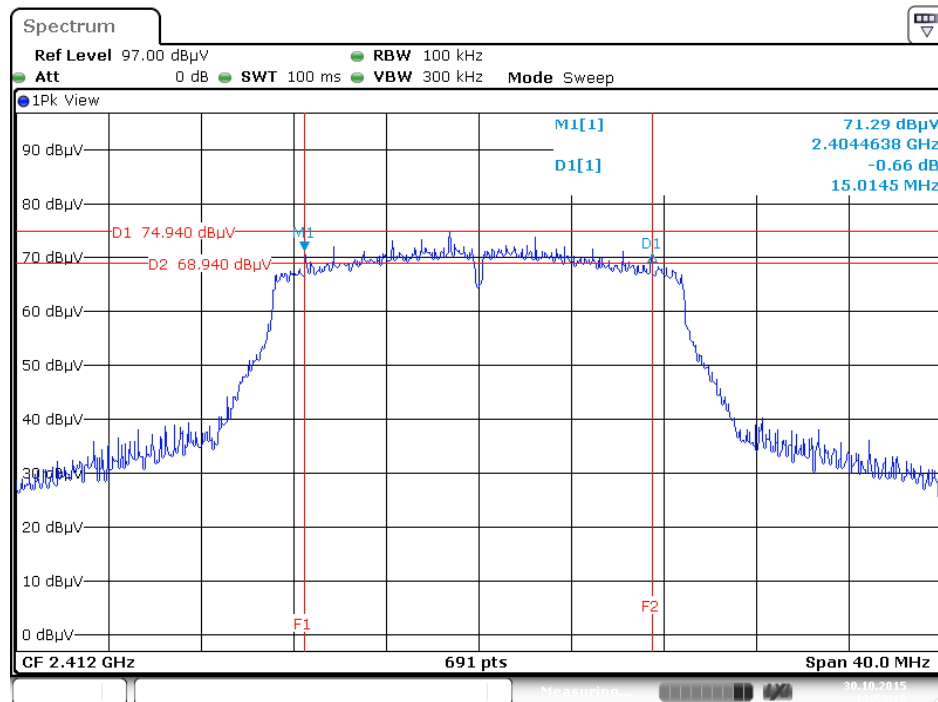
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



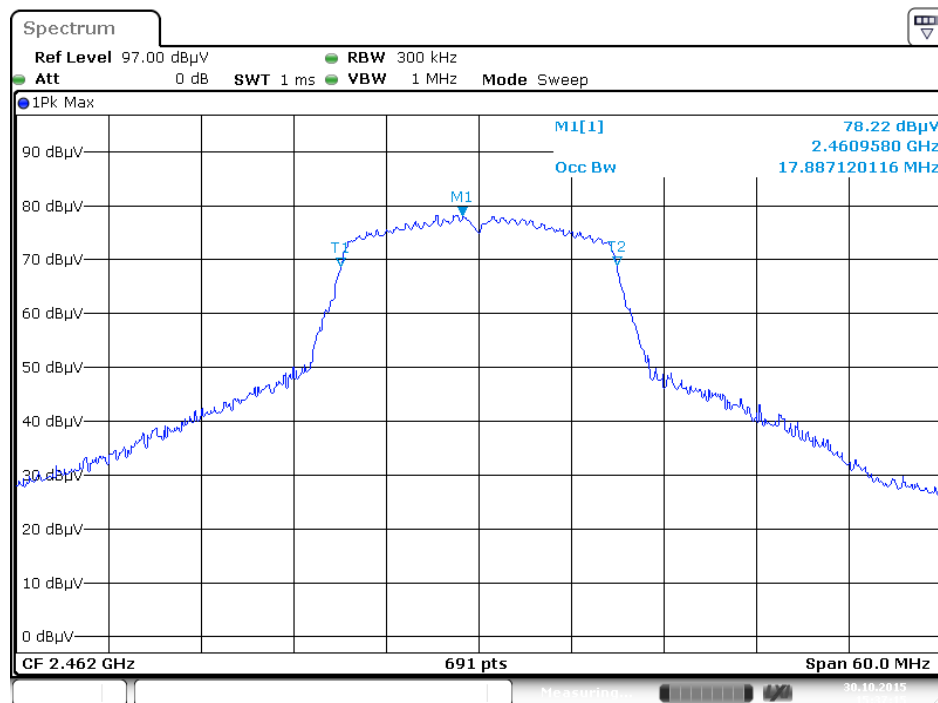
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



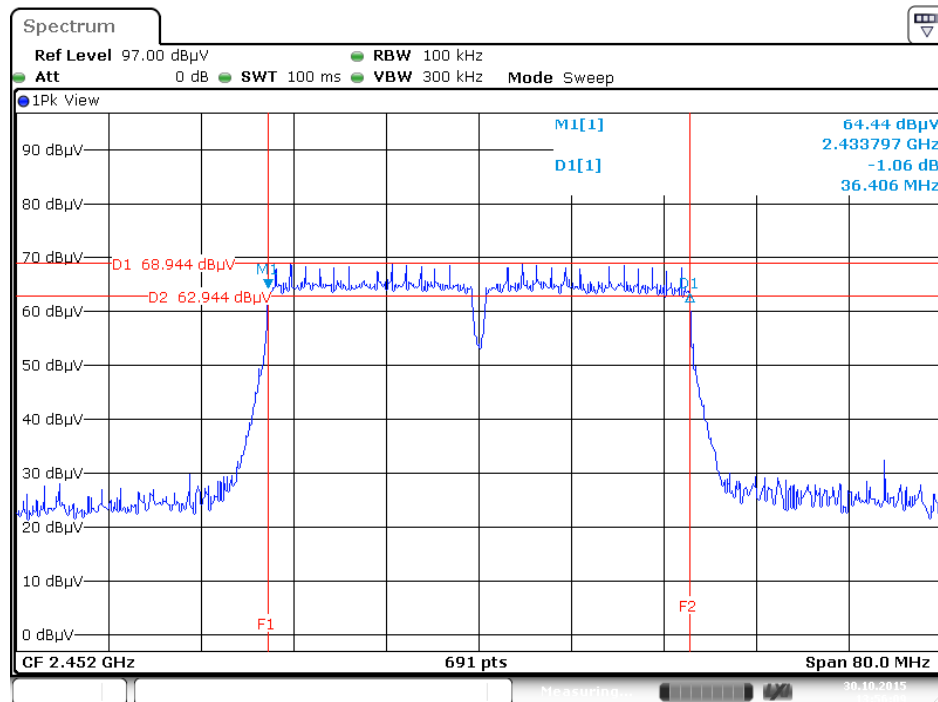
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1

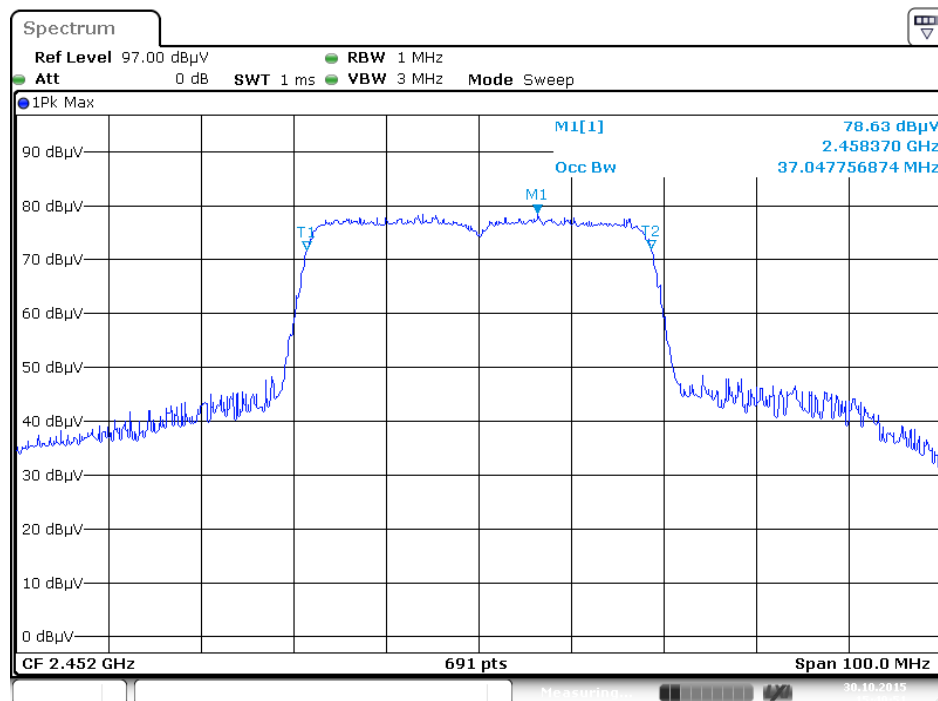


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 30.OCT.2015 13:56:09

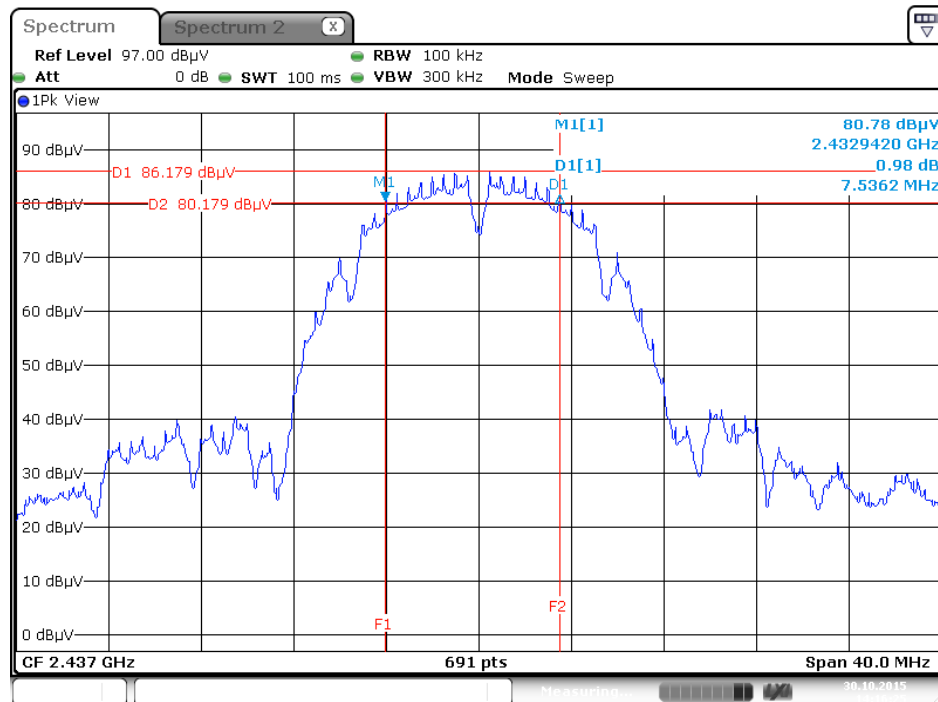
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 30.OCT.2015 15:40:51

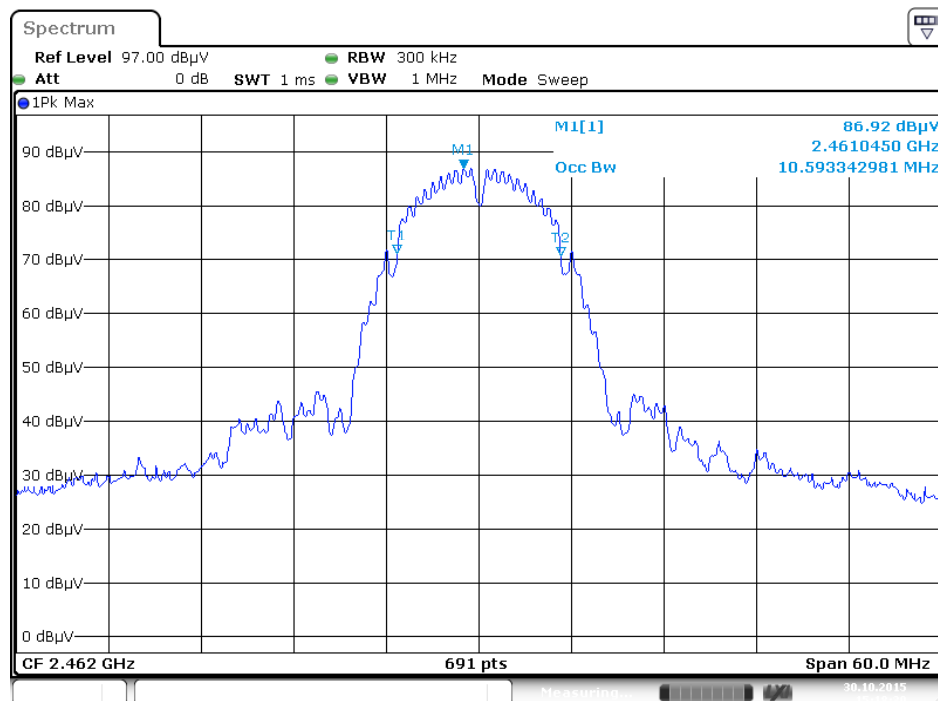
Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 3



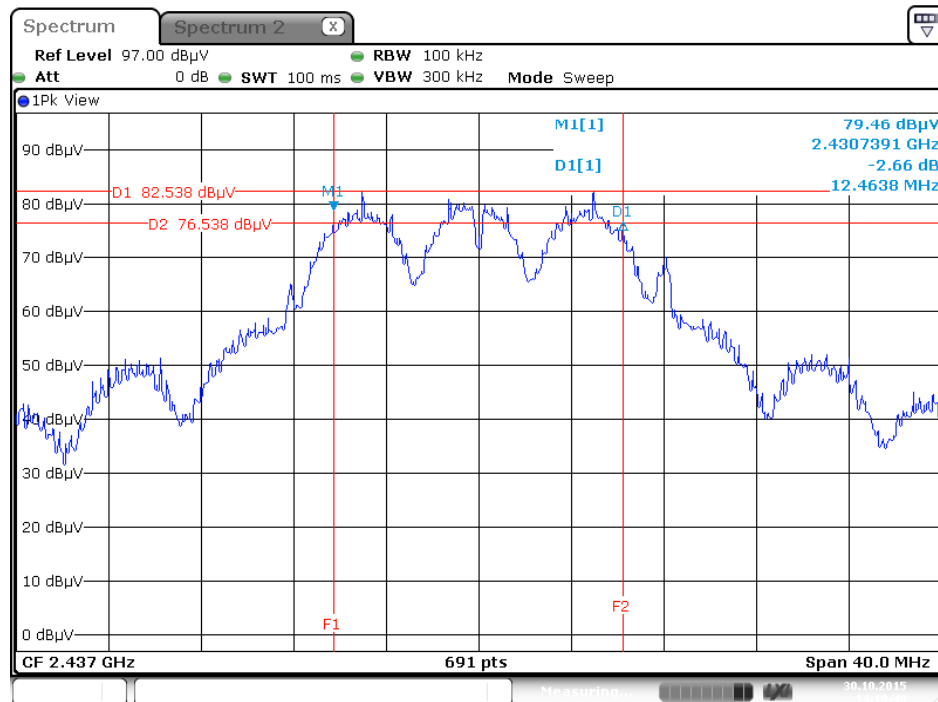
Date: 30.OCT.2015 14:16:25

99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 3



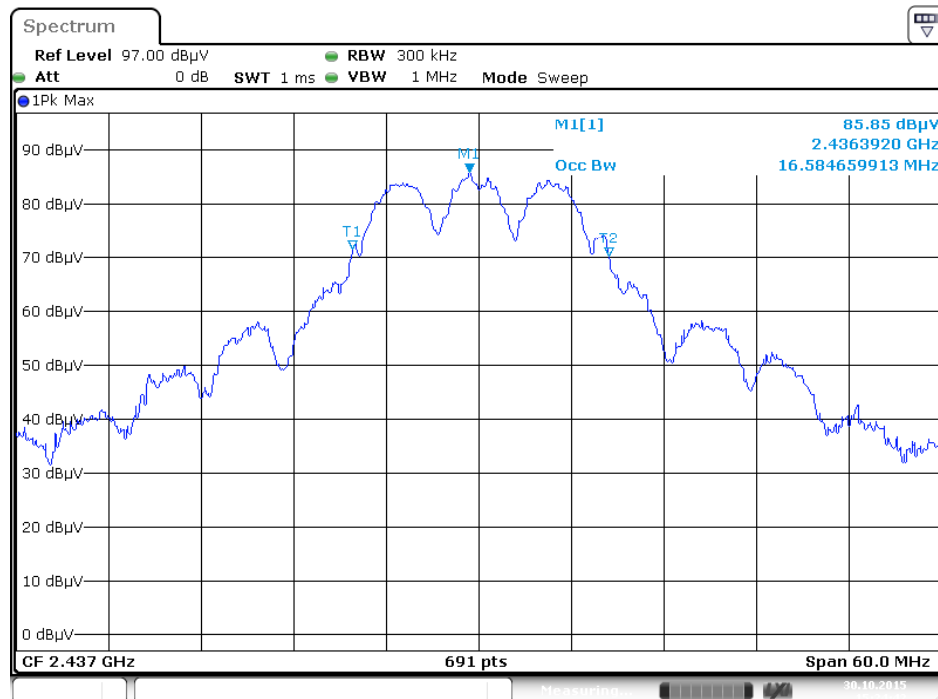
Date: 30.OCT.2015 15:18:30

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 3



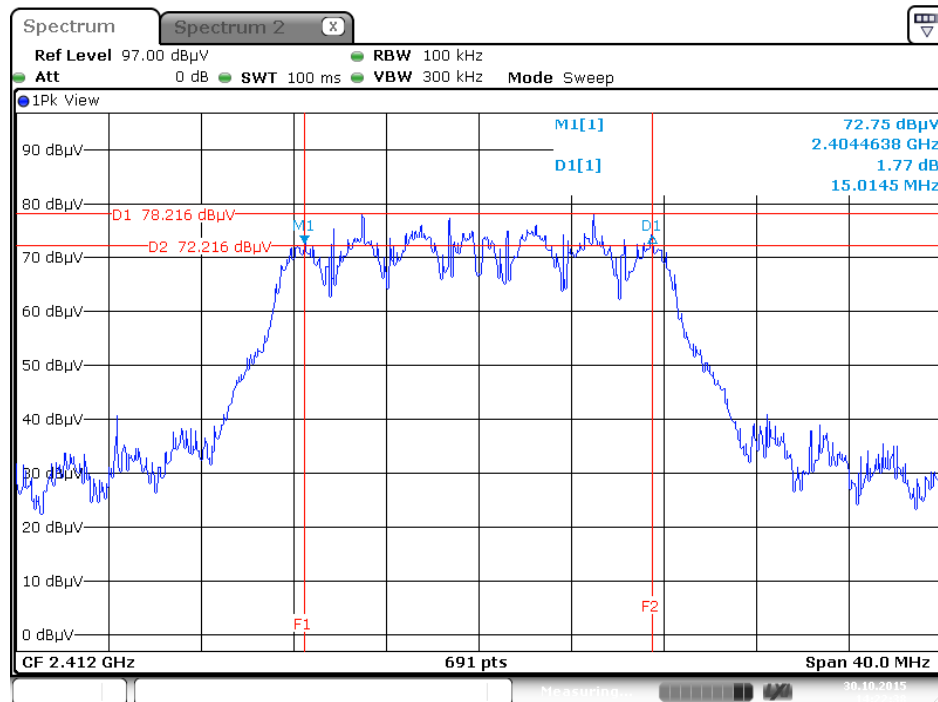
Date: 30.OCT.2015 14:19:39

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 3



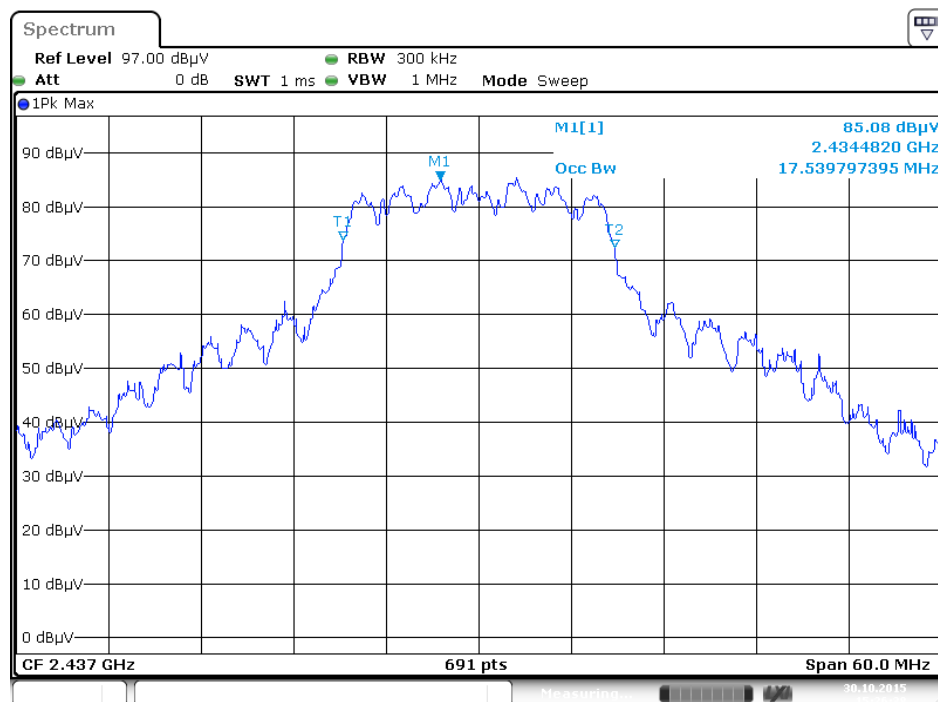
Date: 30.OCT.2015 15:24:41

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 3



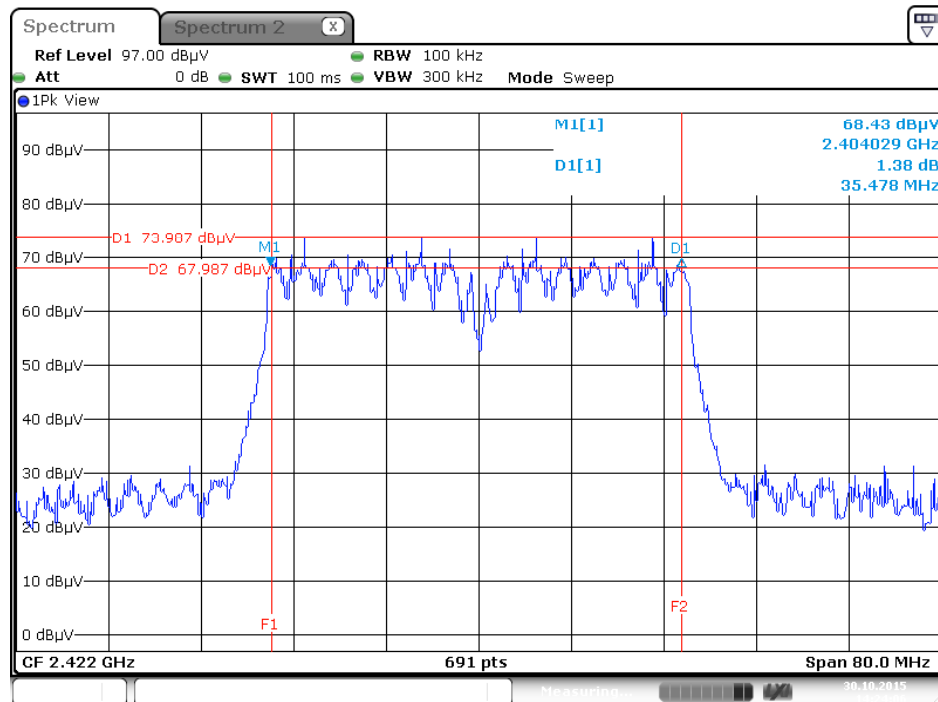
Date: 30.OCT.2015 14:22:38

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 3

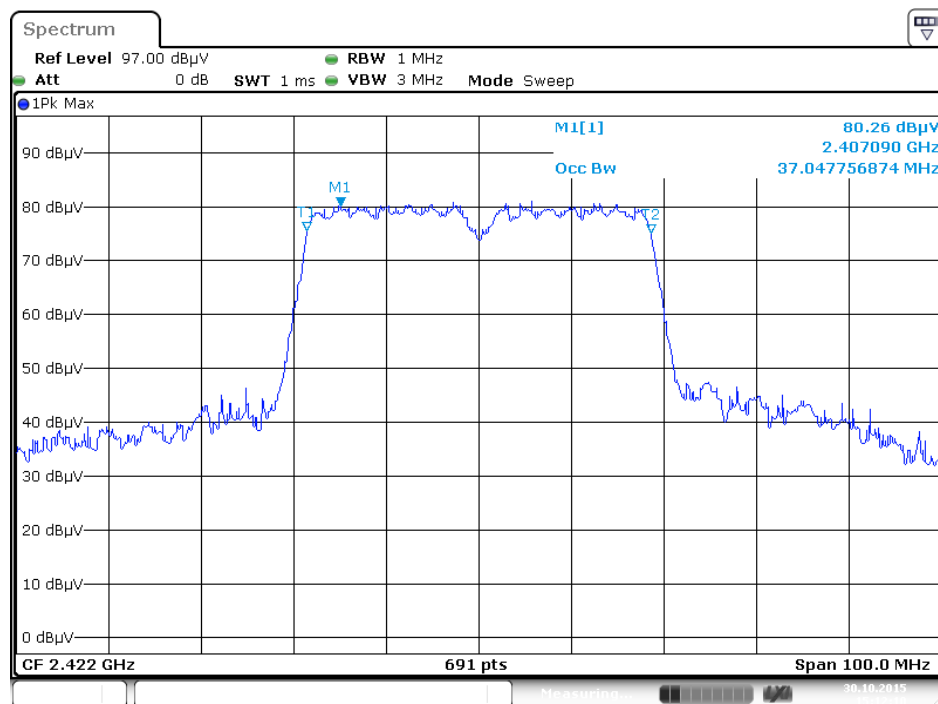


Date: 30.OCT.2015 15:26:38

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 3

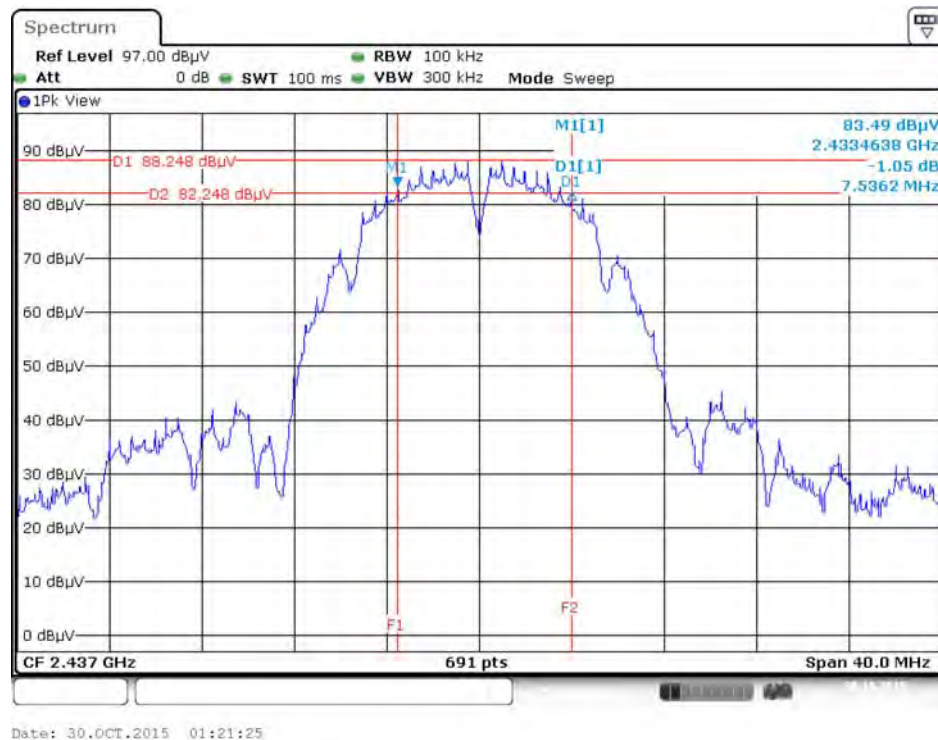


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 3

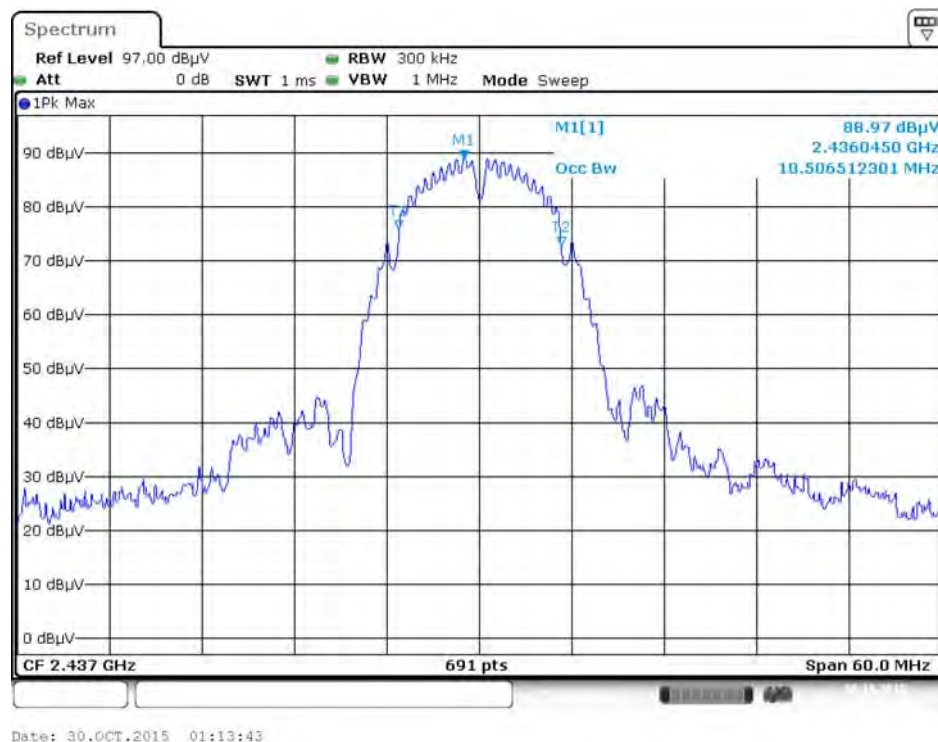


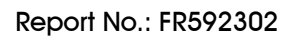
Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3





Spectrum
 Ref Level 97.00 dBμV
 Att 0 dB RBW 100 kHz
 SWT 100 ms VBW 300 kHz Mode Sweep

1Pk View

90 dBμV
 80 dBμV
 70 dBμV
 60 dBμV
 50 dBμV
 40 dBμV
 30 dBμV
 20 dBμV
 10 dBμV
 0 dBμV

D1 84.517 dBμV
 D2 78.517 dBμV

M1
 D1

M1[1] 78.60 dBμV
 2.4349710 GHz
 D1[1] 4.71 dB
 3.3043 MHz

F1 F2

CF 2.437 GHz 691 pts Span 40.0 MHz

Date: 30.OCT.2015 01:22:31

Spectrum
Ref Level 97.00 dBμV
Att 0 dB **SWT** 1 ms **RBW** 300 kHz **VBW** 1 MHz **Mode** Sweep
1Pk Max

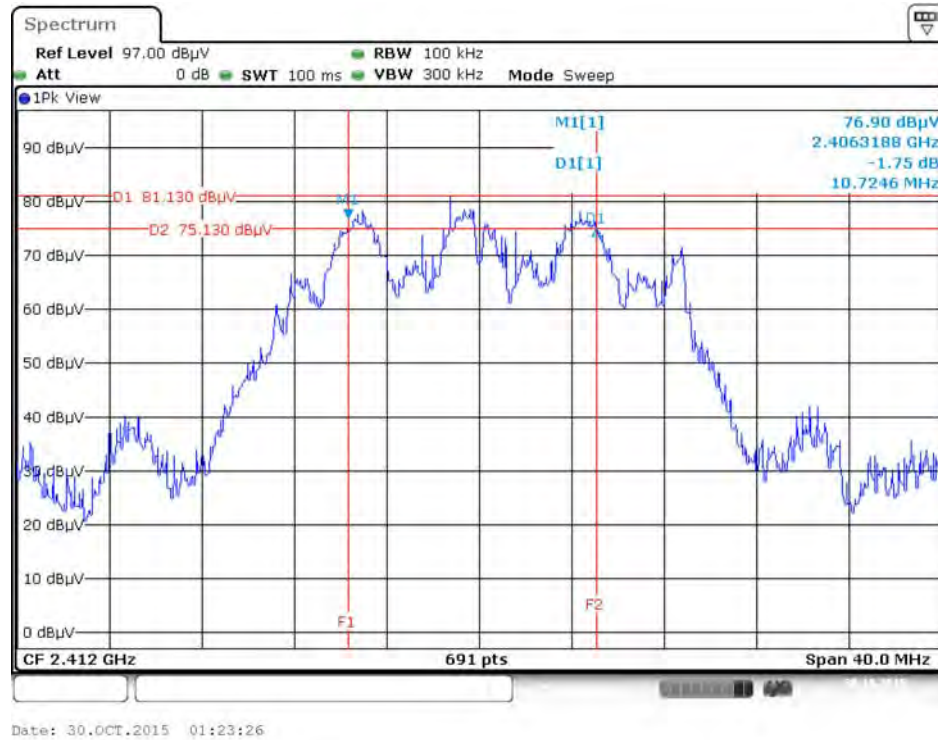
87.36 dBμV
 2.4420000 GHz
 16.845151954 MHz

MI[1]
 M1
 Occ BW

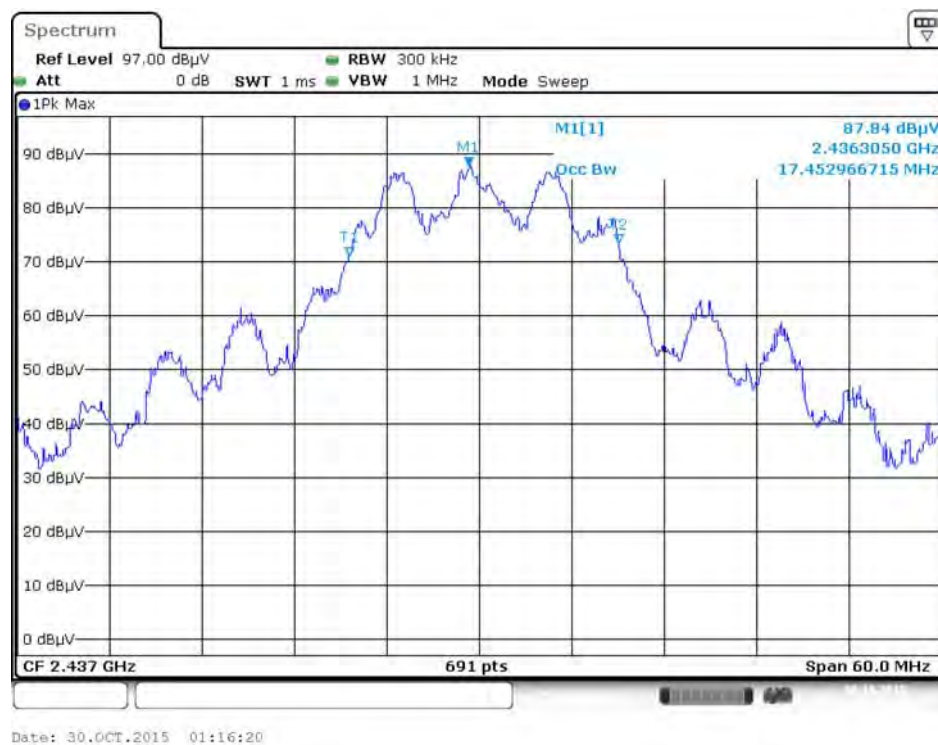
CF 2.437 GHz 691 pts Span 60.0 MHz

Date: 30.OCT.2015 01:14:50

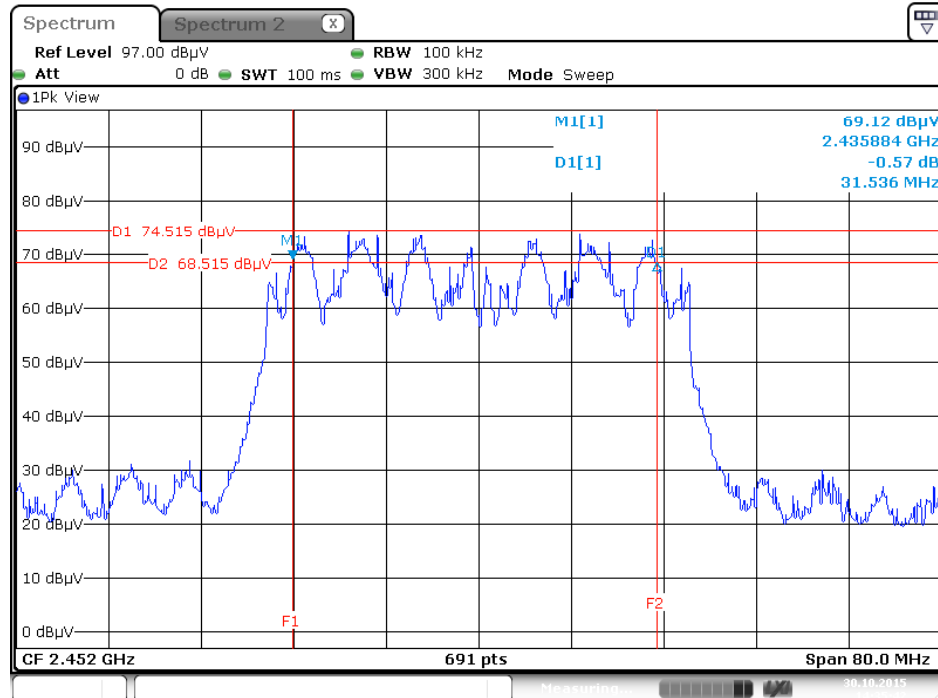
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3

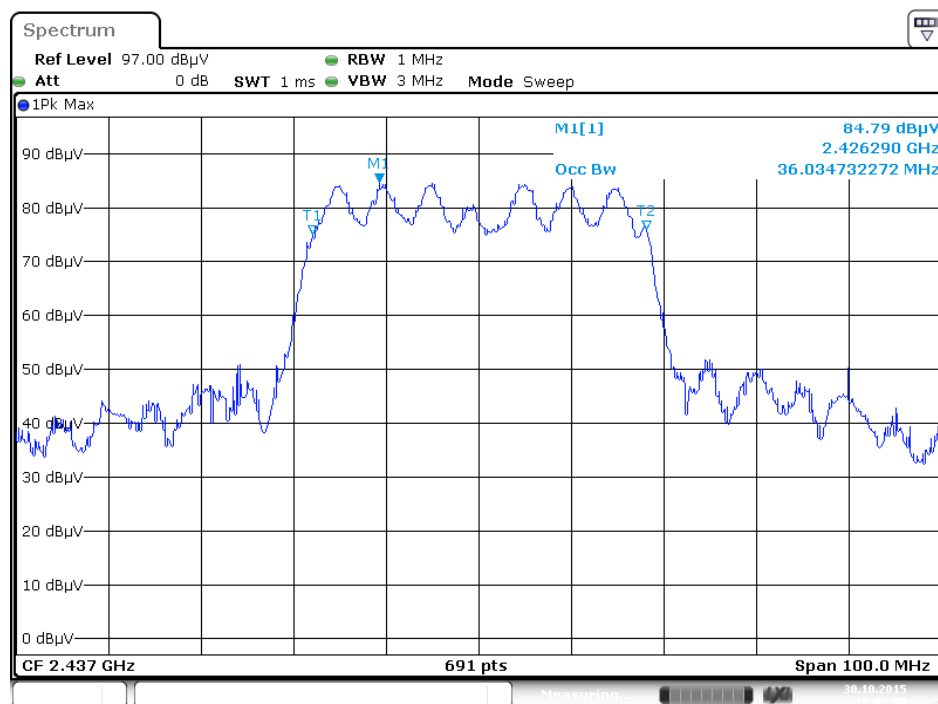


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



Date: 30.OCT.2015 14:35:42

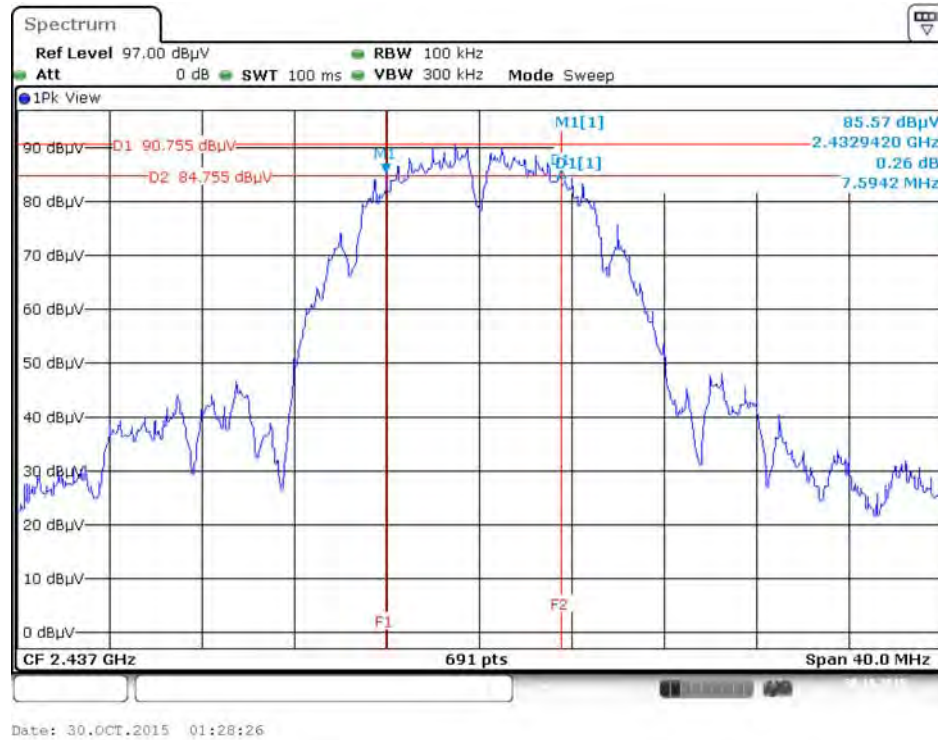
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



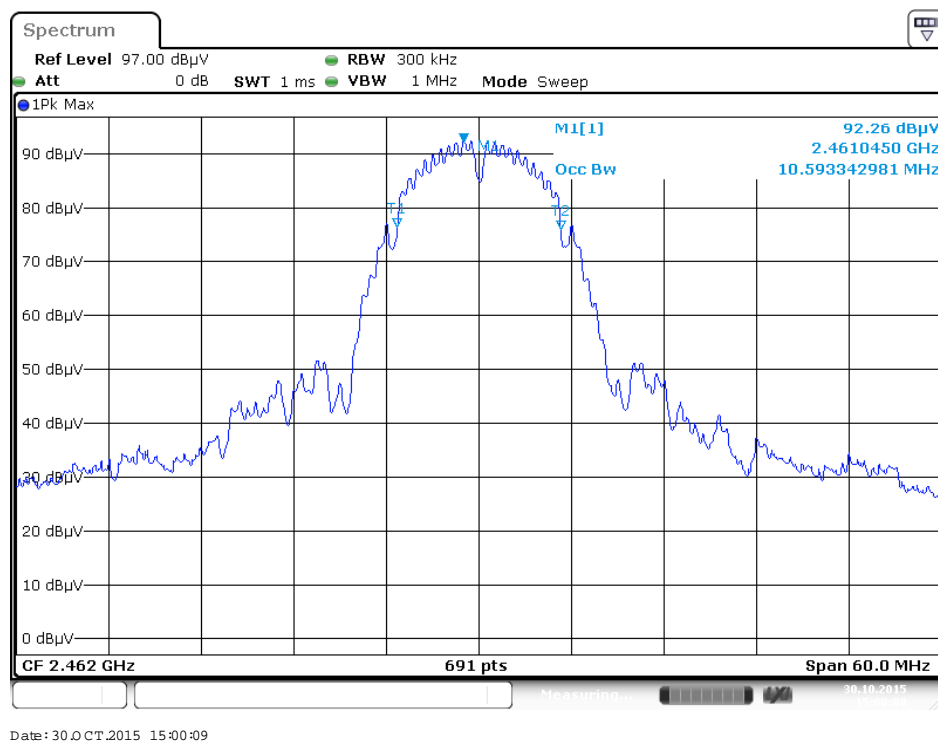
Date: 30.OCT.2015 15:03:59

Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

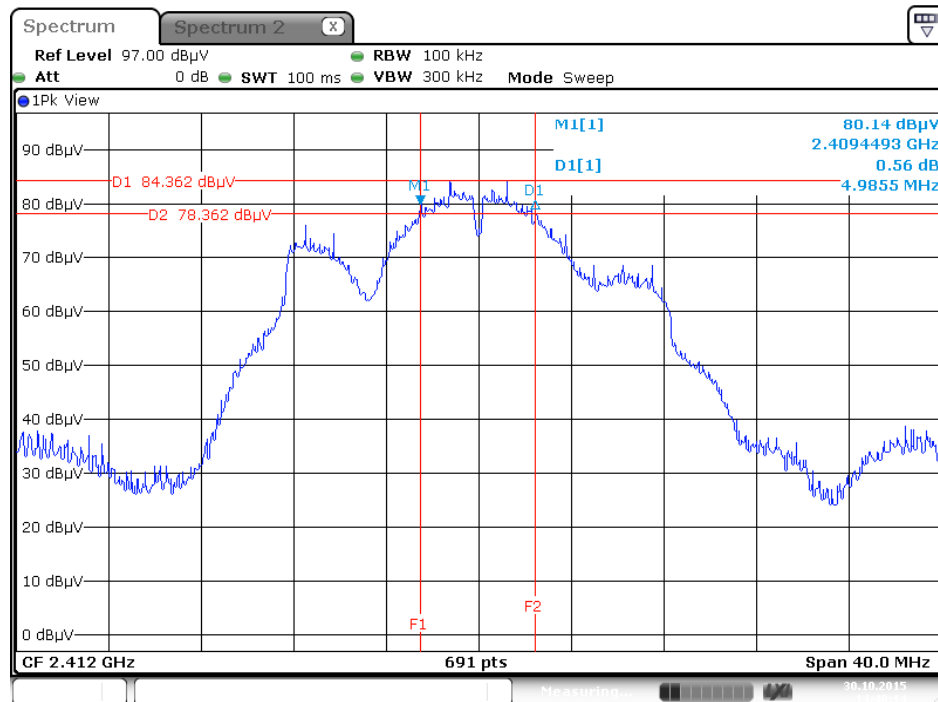
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



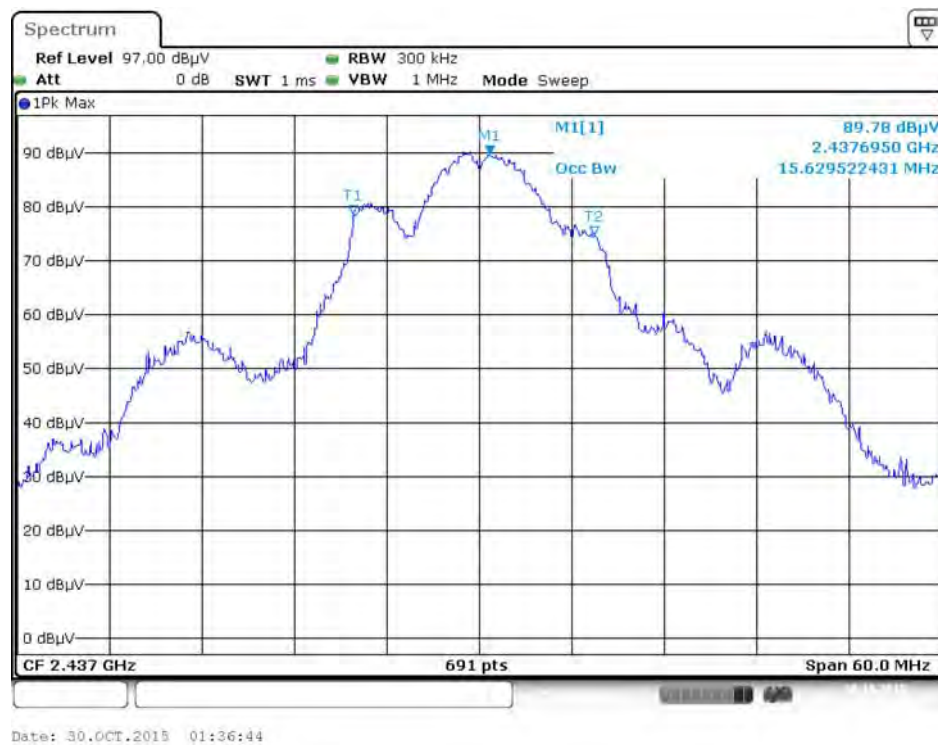
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

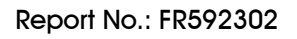


6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4





Spectrum 2 [X]

Ref Level 97.00 dBμV

Att 0 dB **SWT** 100 ms **VBW** 300 kHz **Mode** Sweep

1Pk View

M1 78.84 dBμV
2.4565507 GHz
0.97 dB

D1 78.317 dBμV
2.4848 MHz

F1 **F2**

CF 2.462 GHz **691 pts** **Span** 40.0 MHz

30.10.2015

Spectrum

Ref Level 97.00 dBμV RBW 300 kHz

Att 0 dB SWT 1 ms VBW 1 MHz Mode Sweep

1Pk Max

90 dBμV

80 dBμV

70 dBμV

60 dBμV

50 dBμV

40 dBμV

30 dBμV

20 dBμV

10 dBμV

0 dBμV

CF 2.437 GHz

691 pts

Span 60.0 MHz

M1

M1[1]

89.86 dBμV

2.483020 GHz

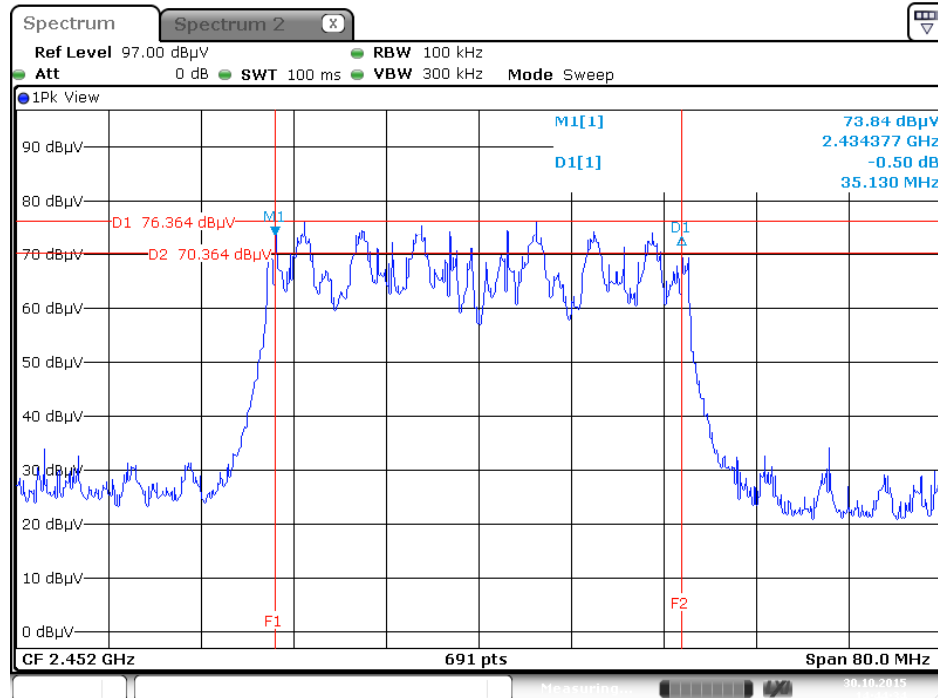
17.105643994 MHz

Occ BW

T2

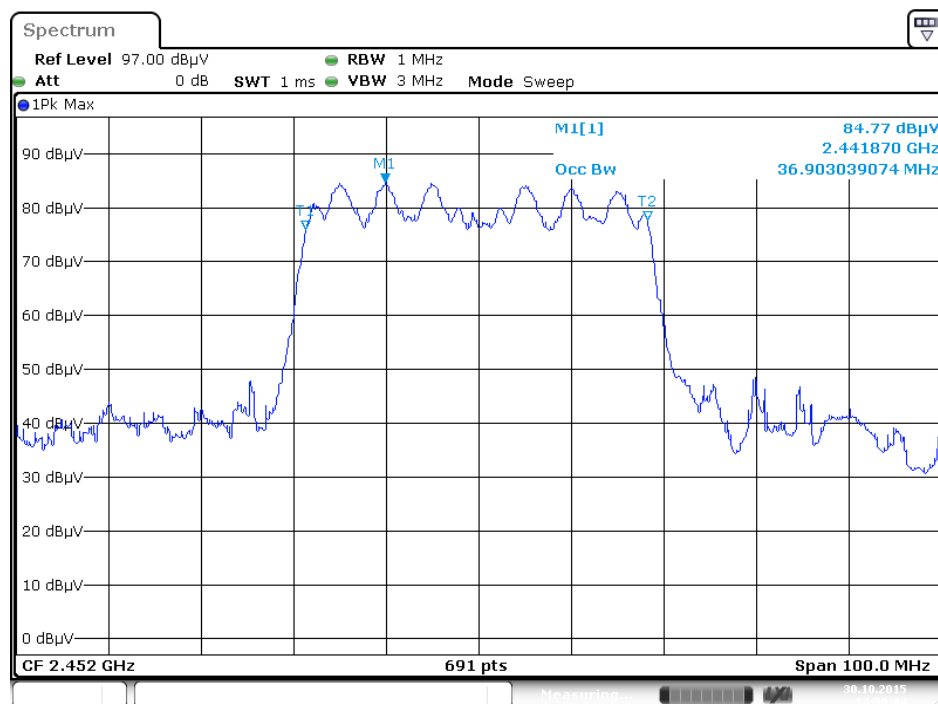
Issued Date : Jan. 29, 2016

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 30.OCT.2015 14:44:34

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 30.OCT.2015 14:50:44