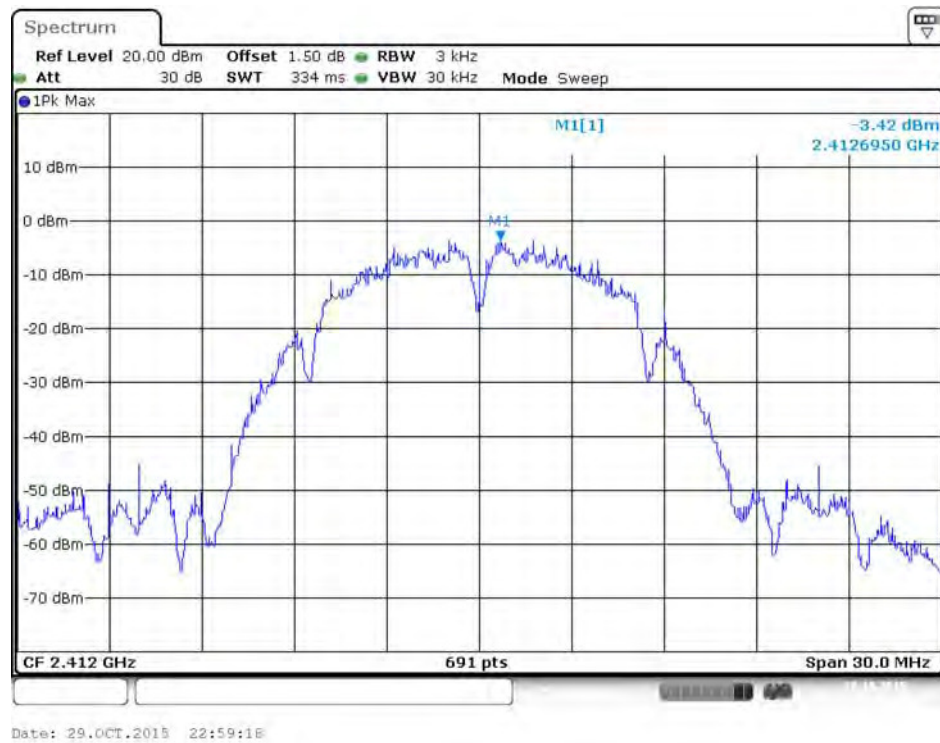
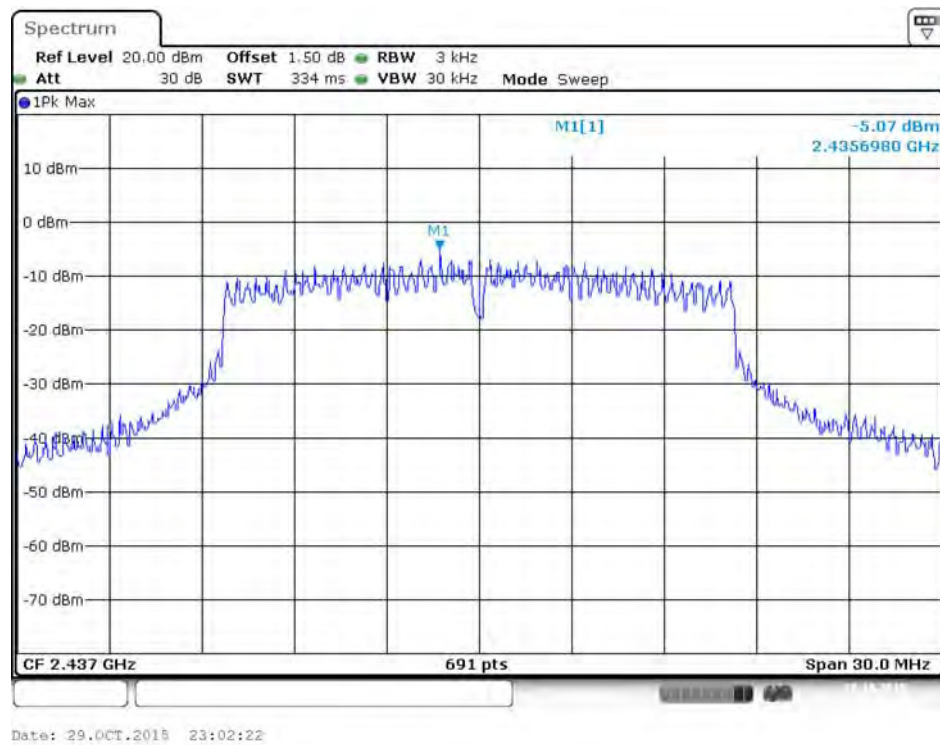


Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)

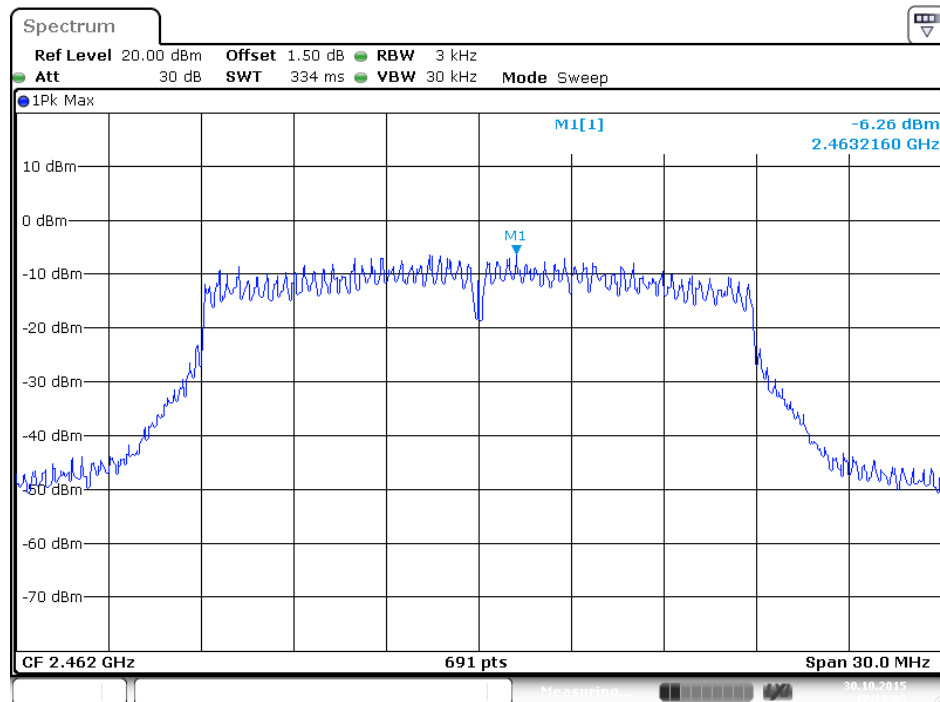
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



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

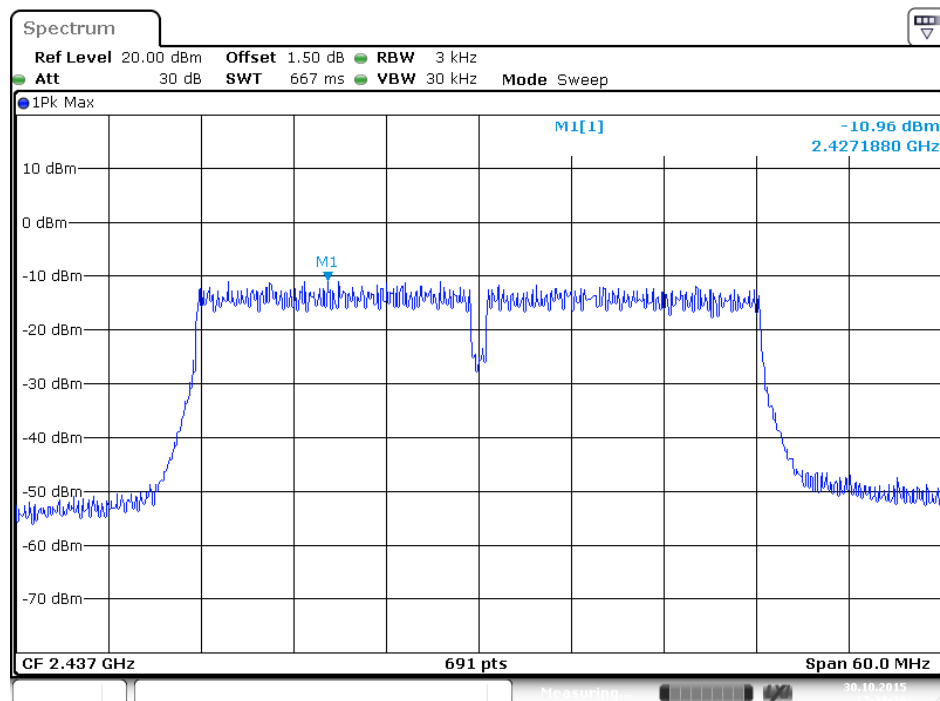


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



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

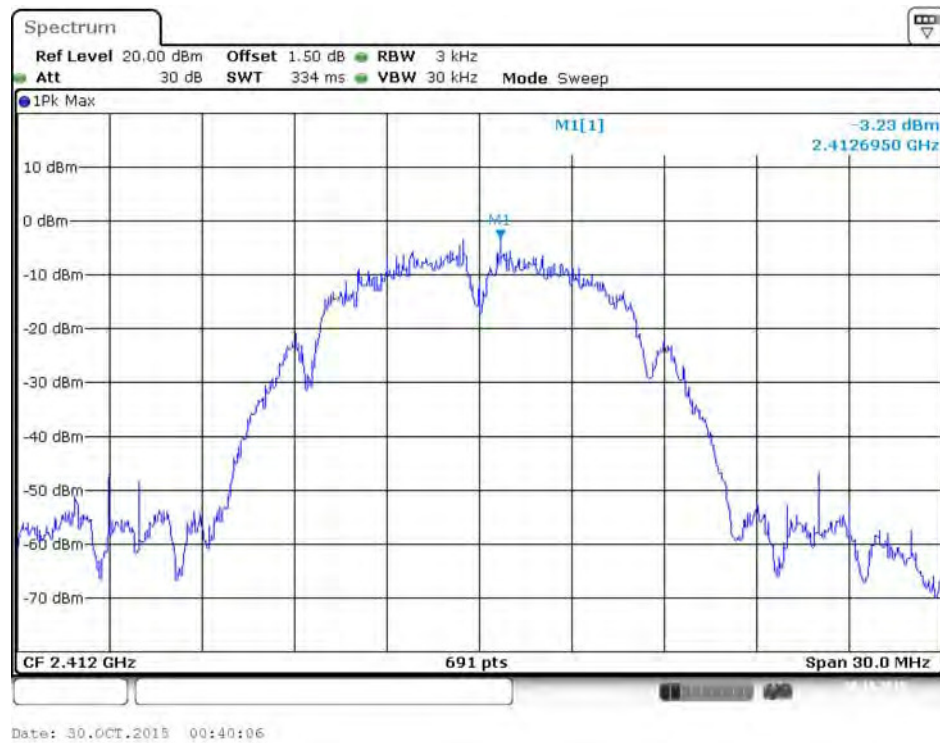
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



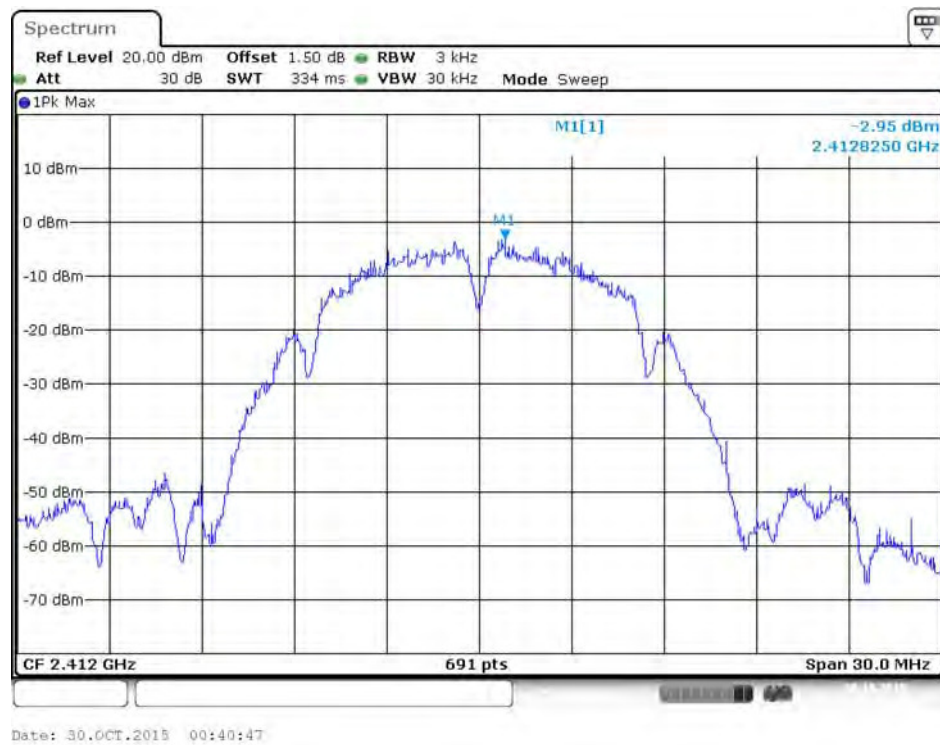
Date: 30.OCT.2015 17:21:26

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

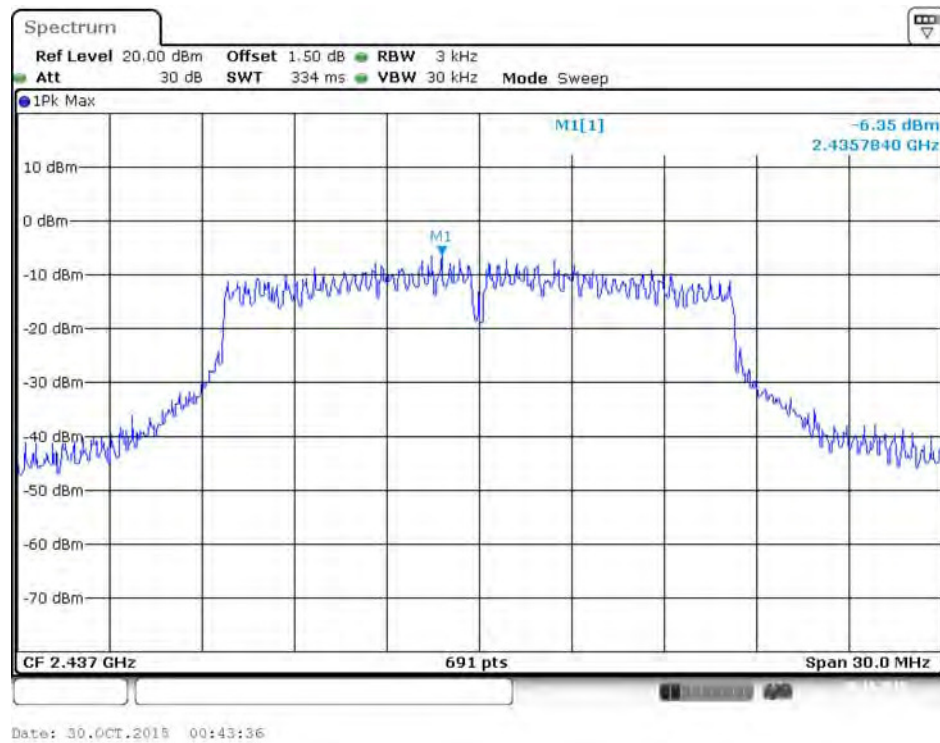
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



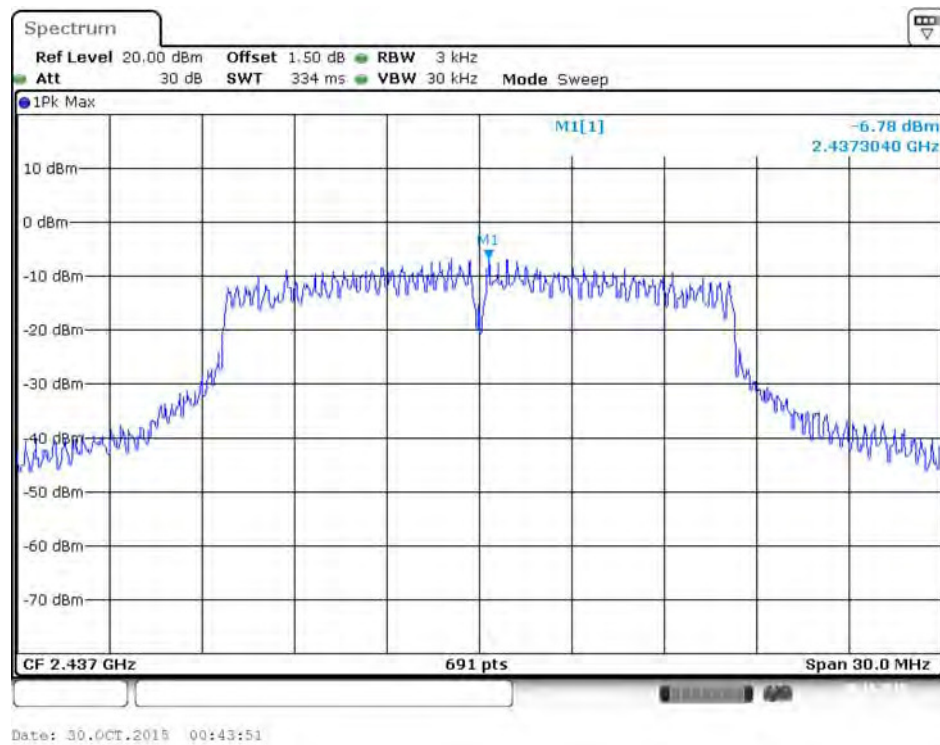
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



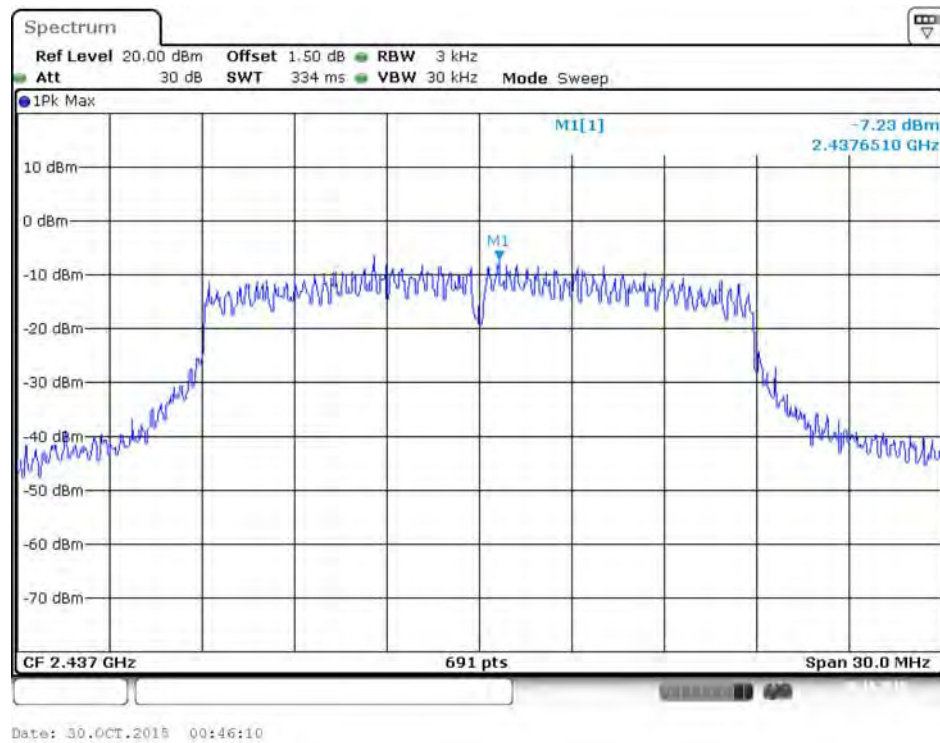
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



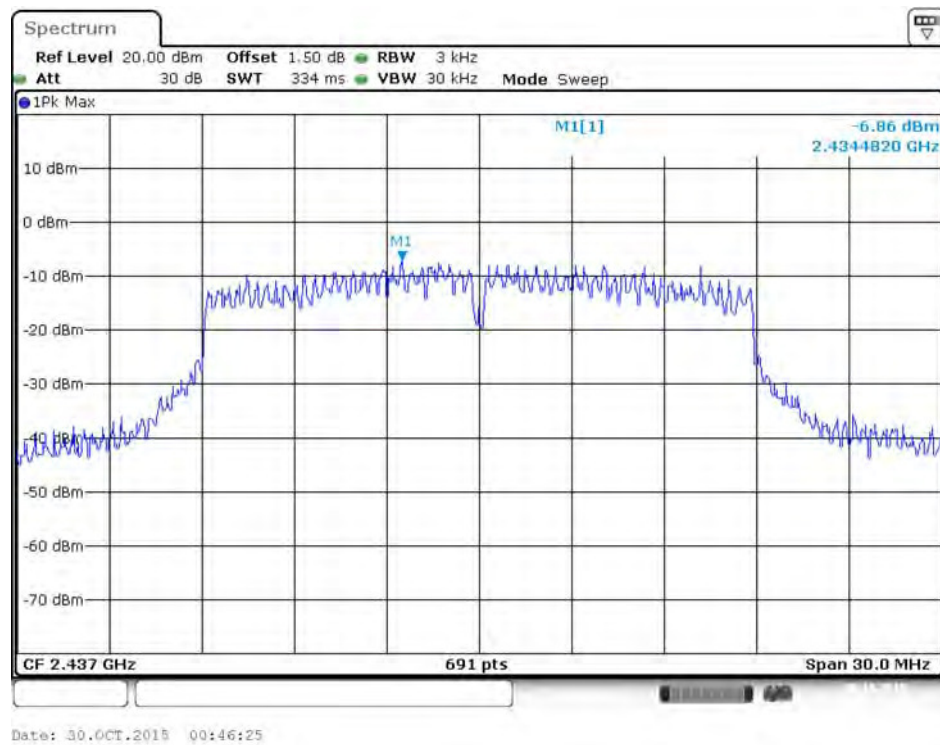
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



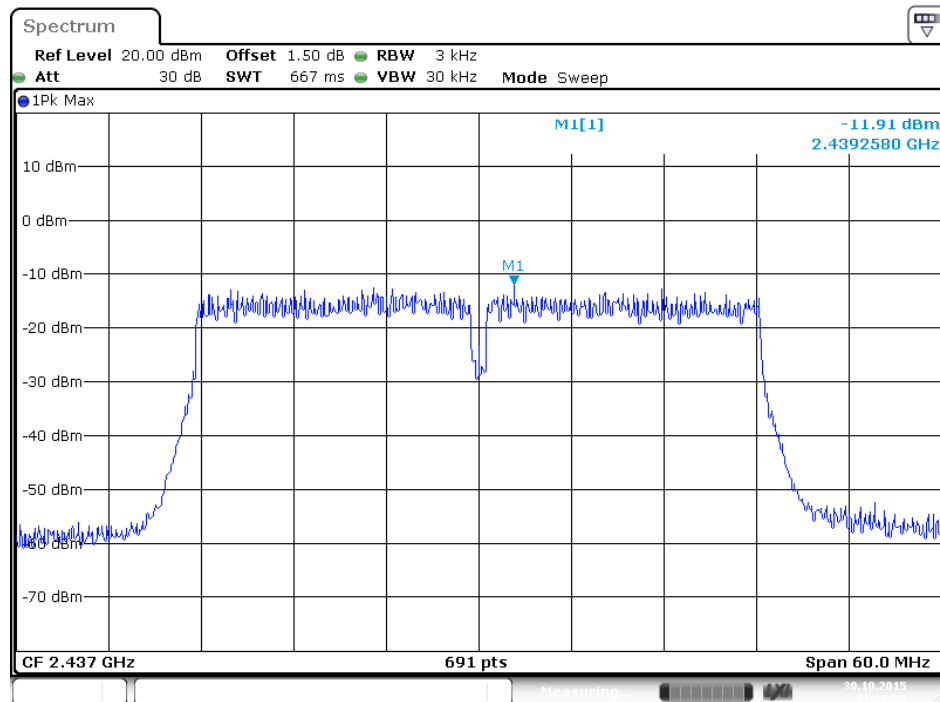
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



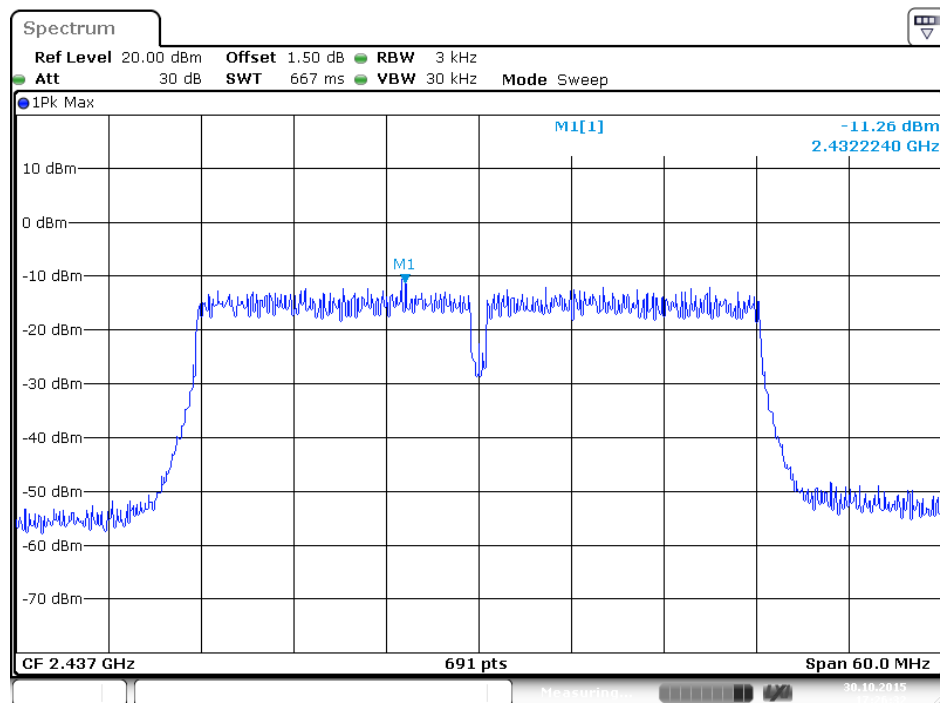
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



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

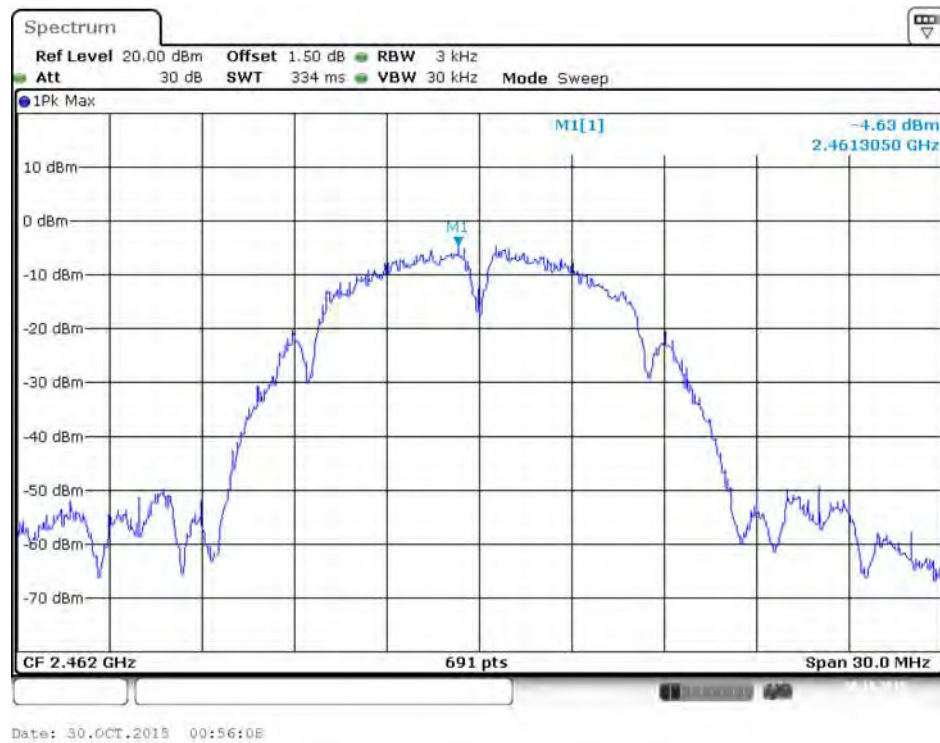


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2

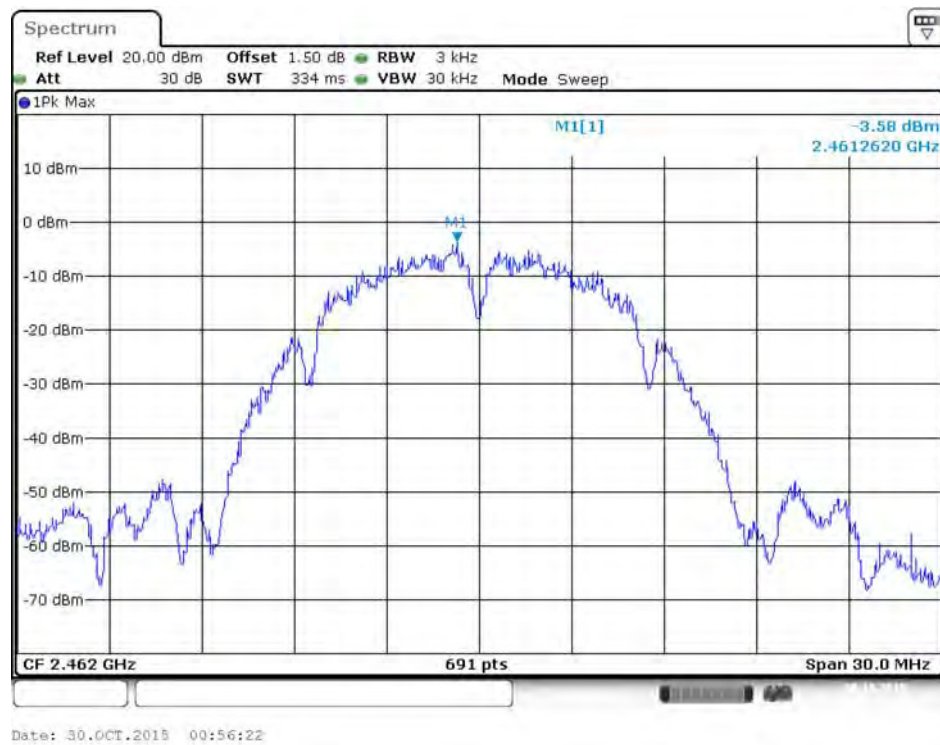


Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)

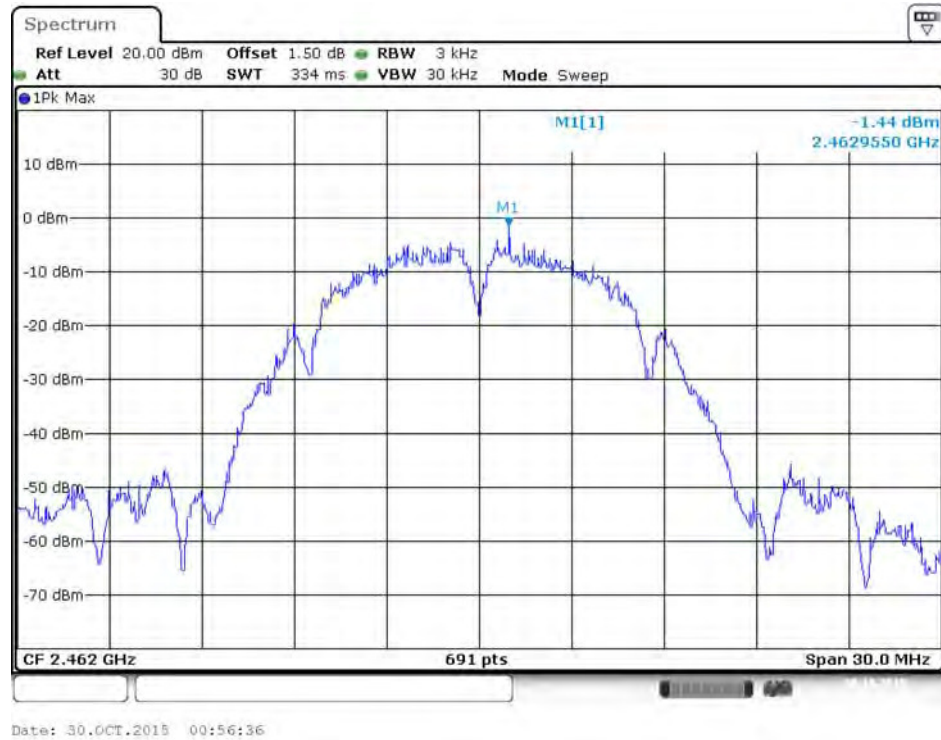
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



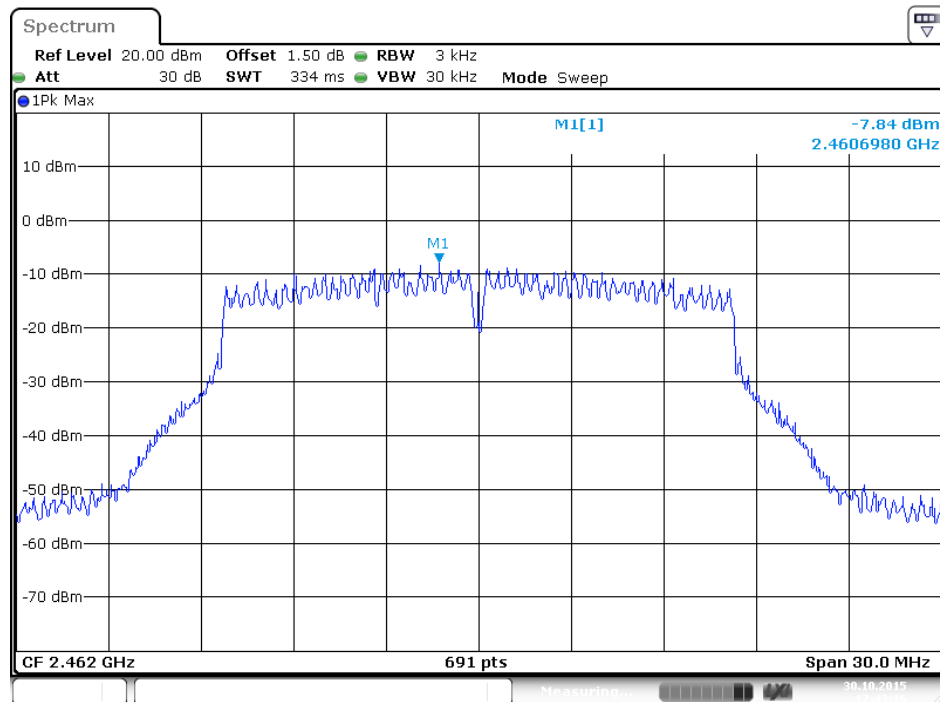
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 2



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

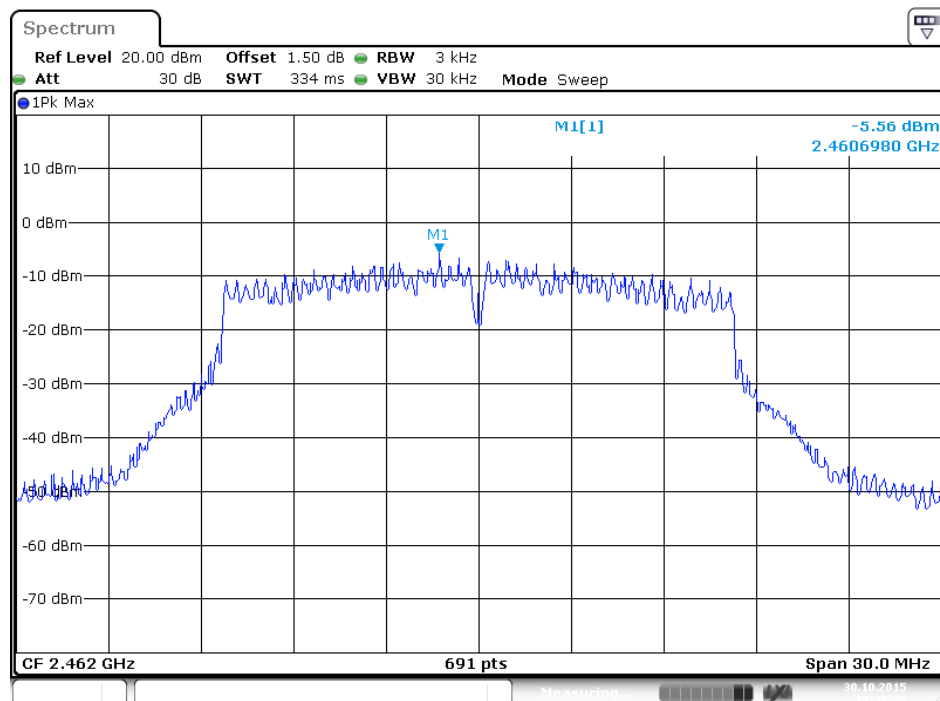


Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



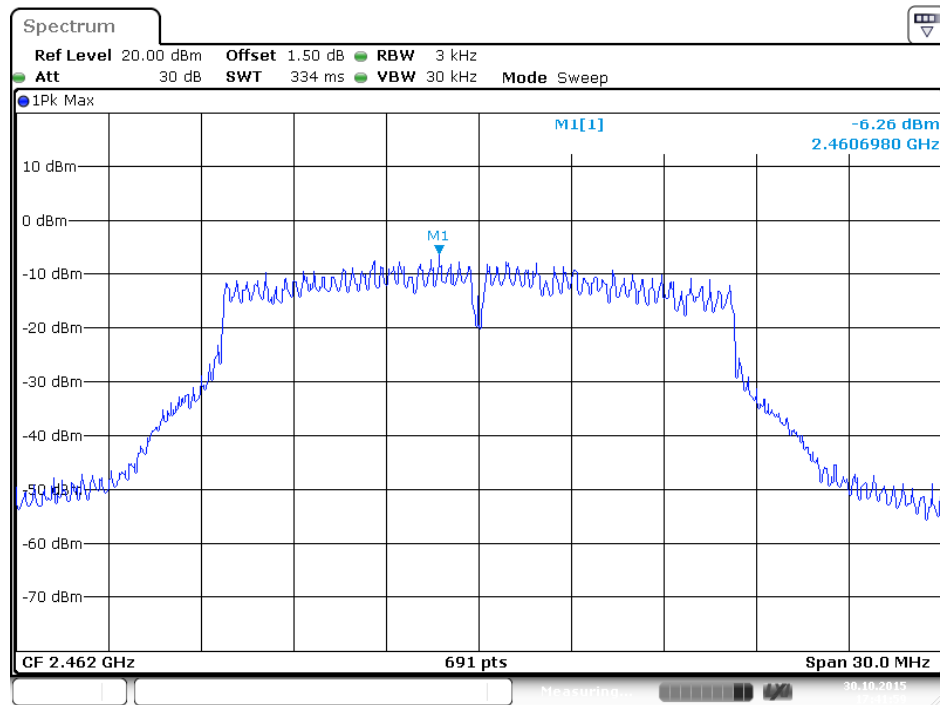
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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 2



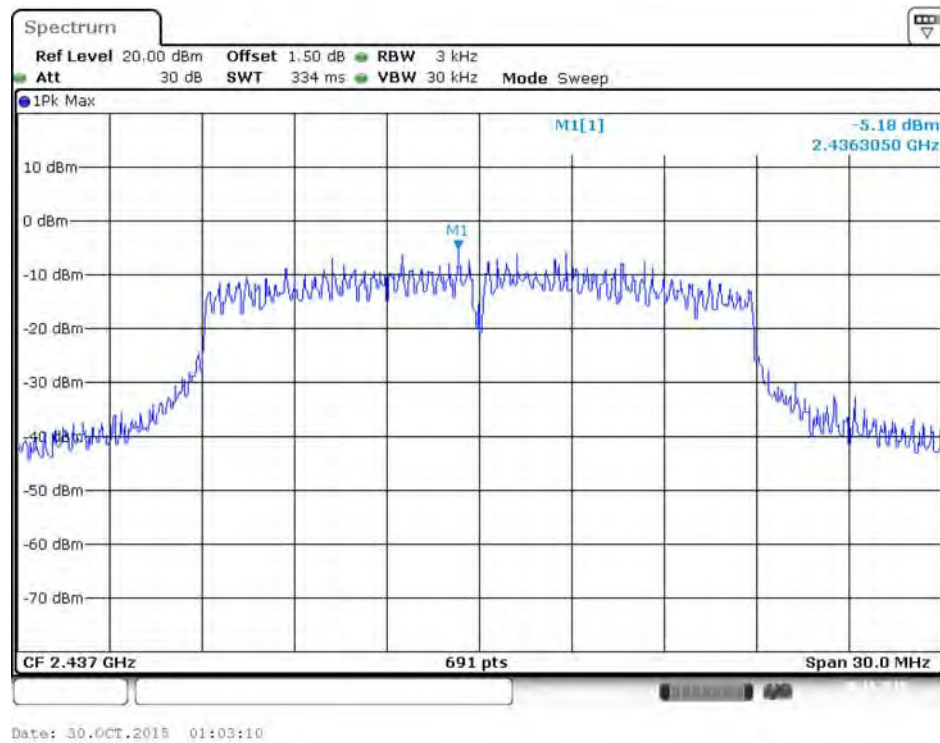
Date: 30.OCT.2015 17:42:36

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

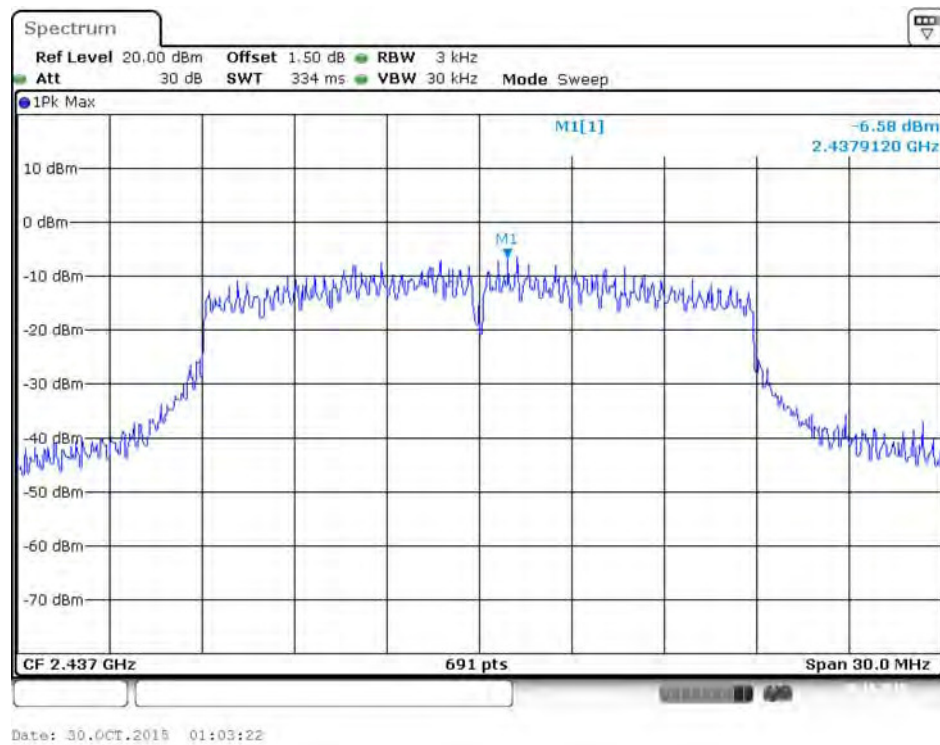


Date: 30 OCT 2015 17:41:59

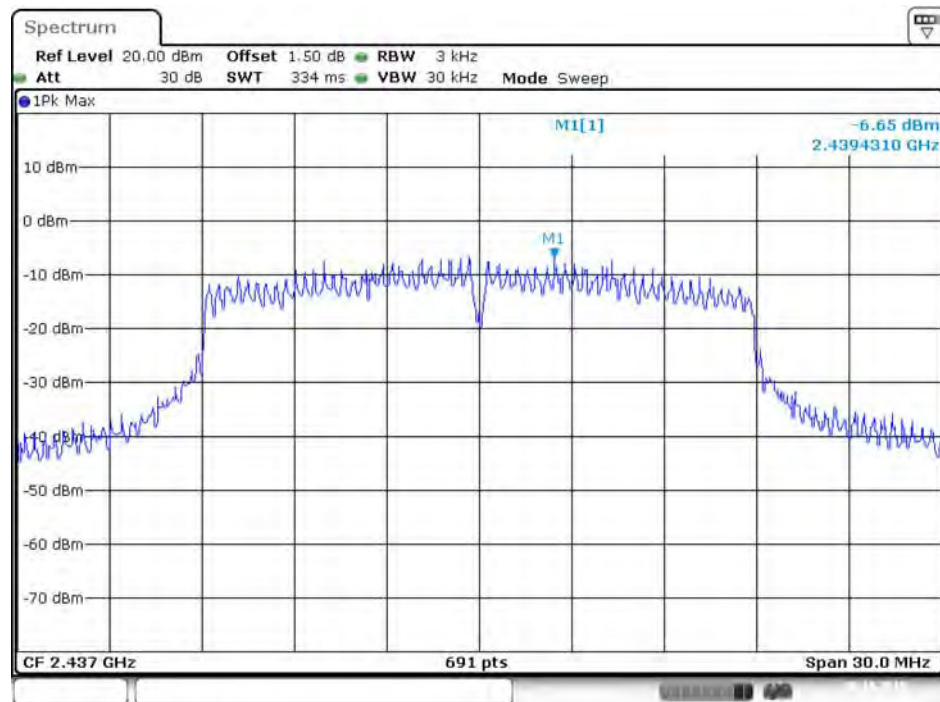
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

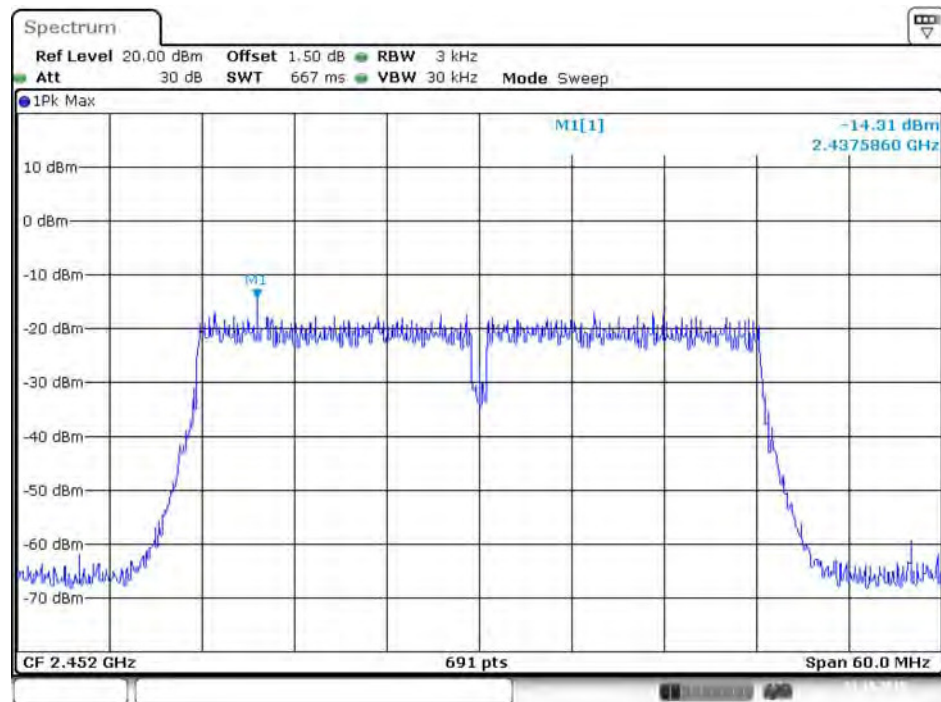


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3

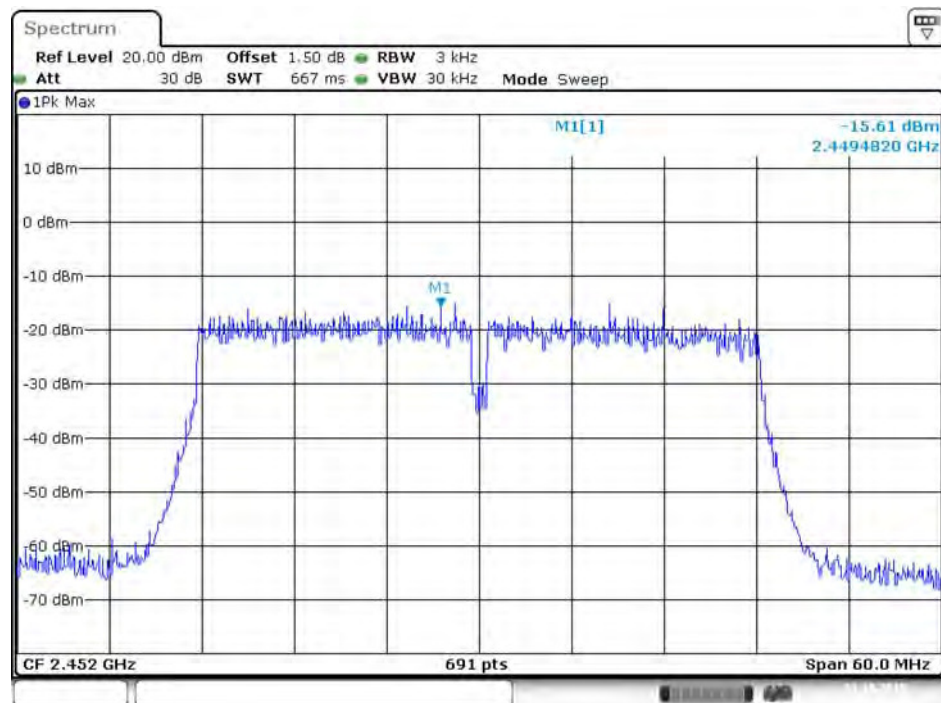


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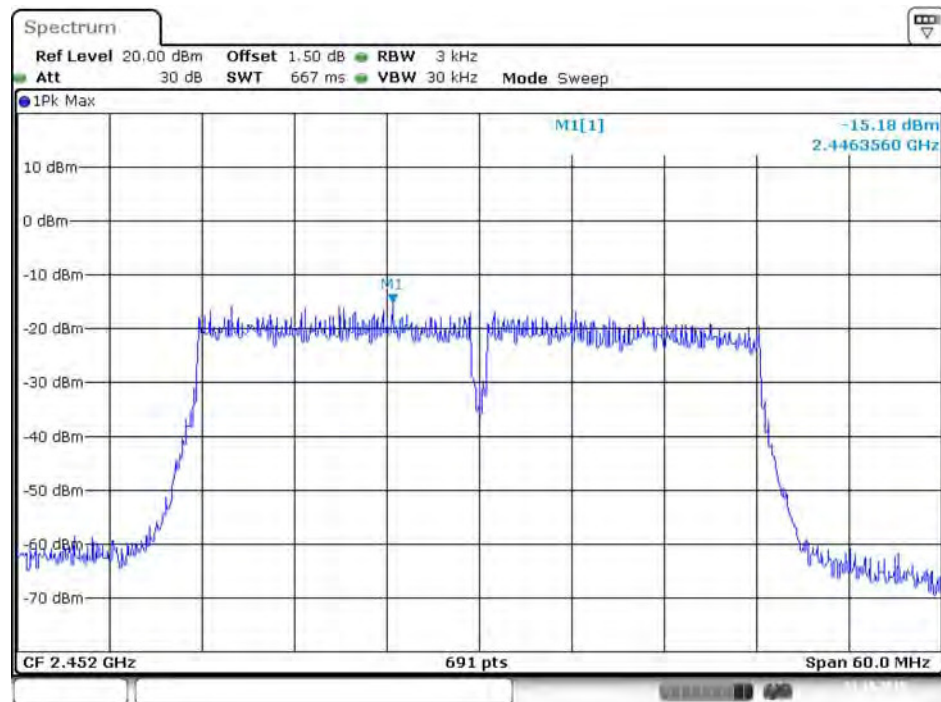
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



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

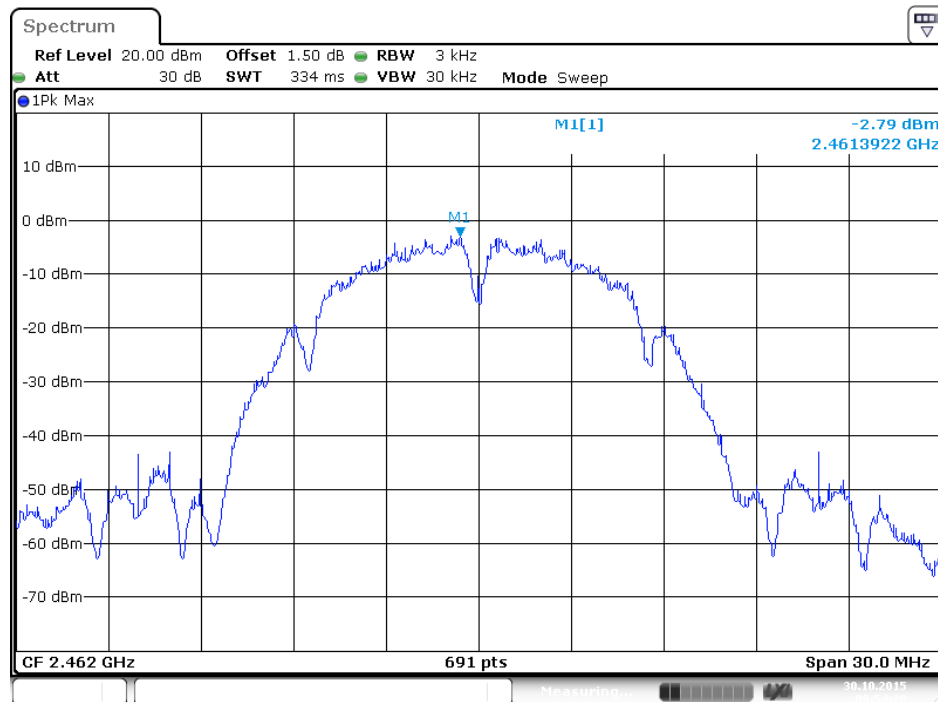


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 3



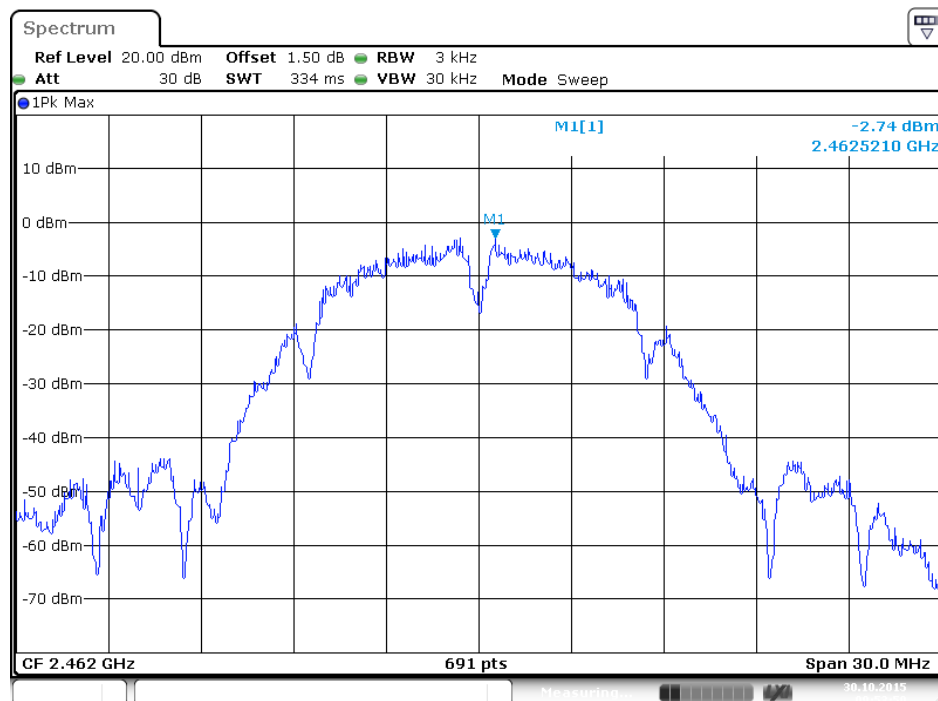
Date: 31.OCT.2015 19:23:28

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



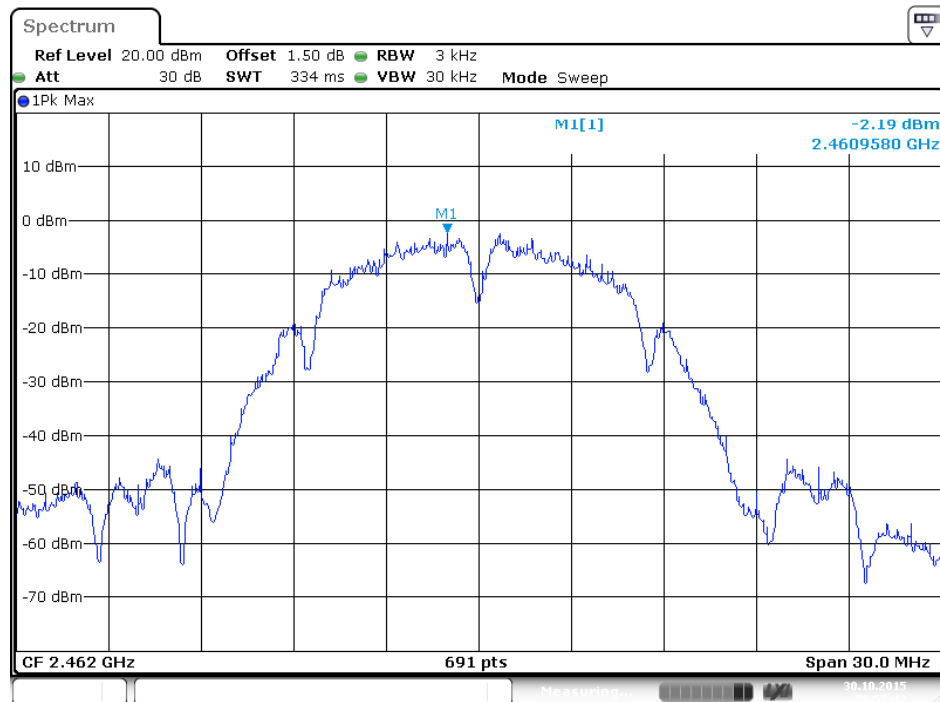
Date: 30.OCT.2015 09:54:28

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



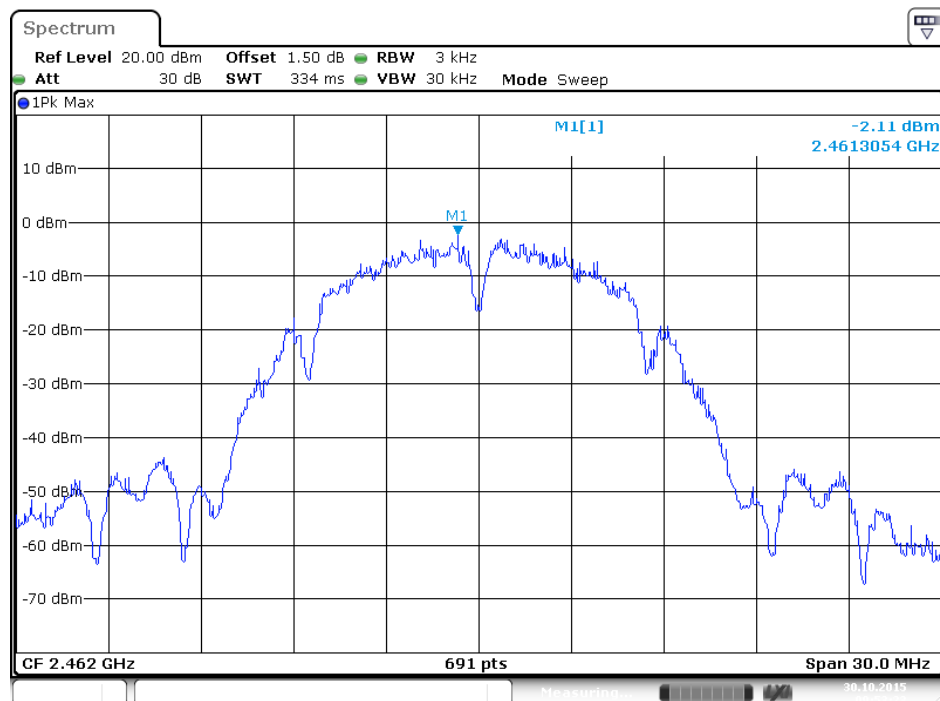
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Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



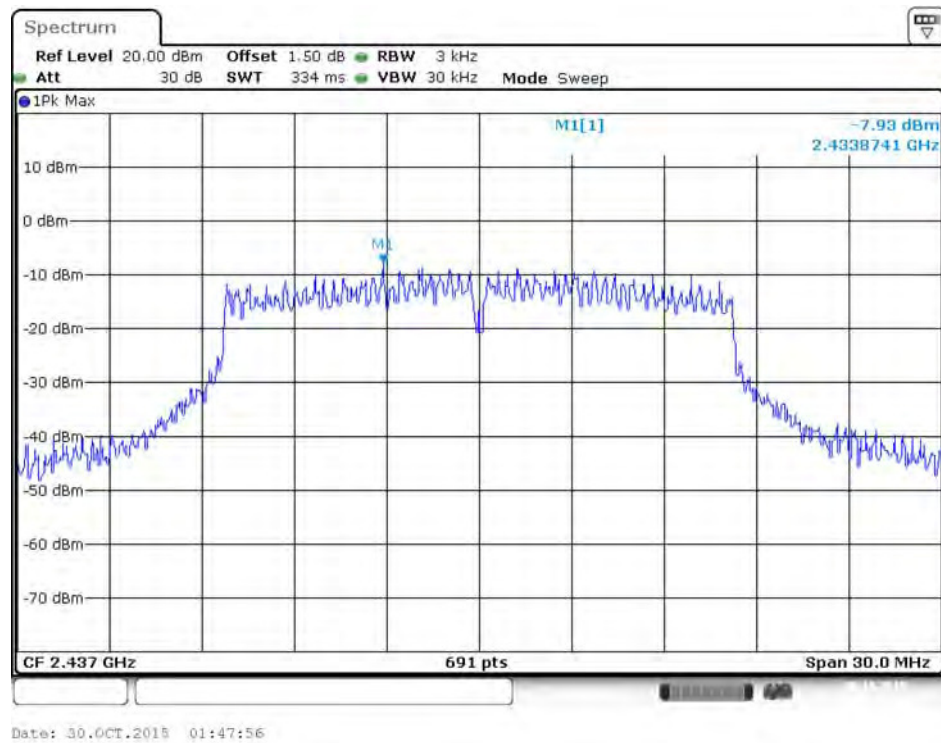
Date: 30.OCT.2015 09:52:42

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

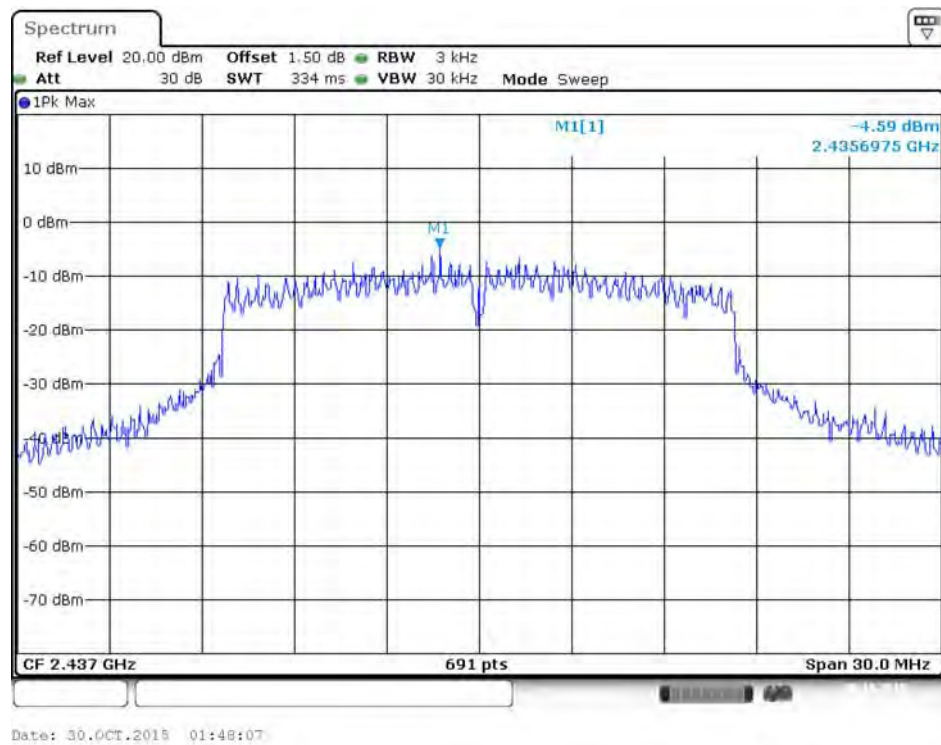


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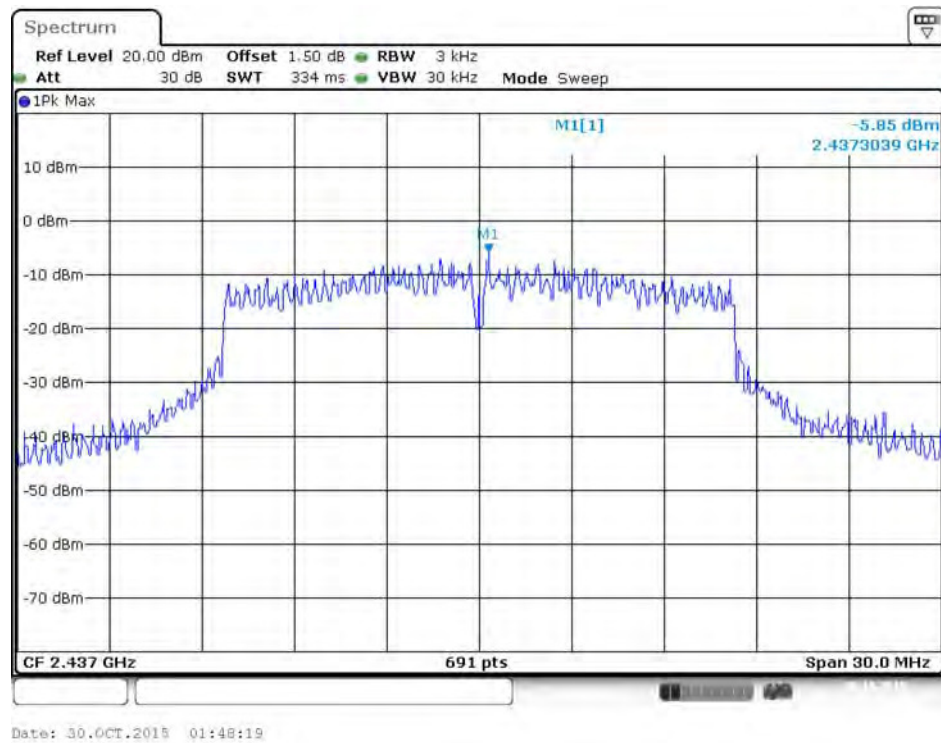
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



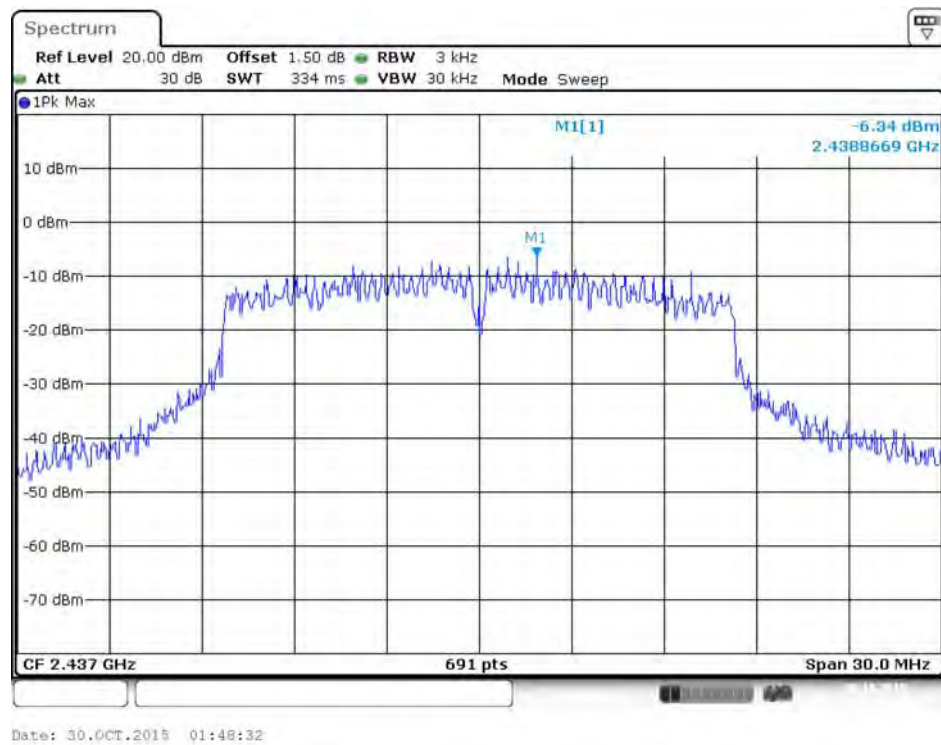
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



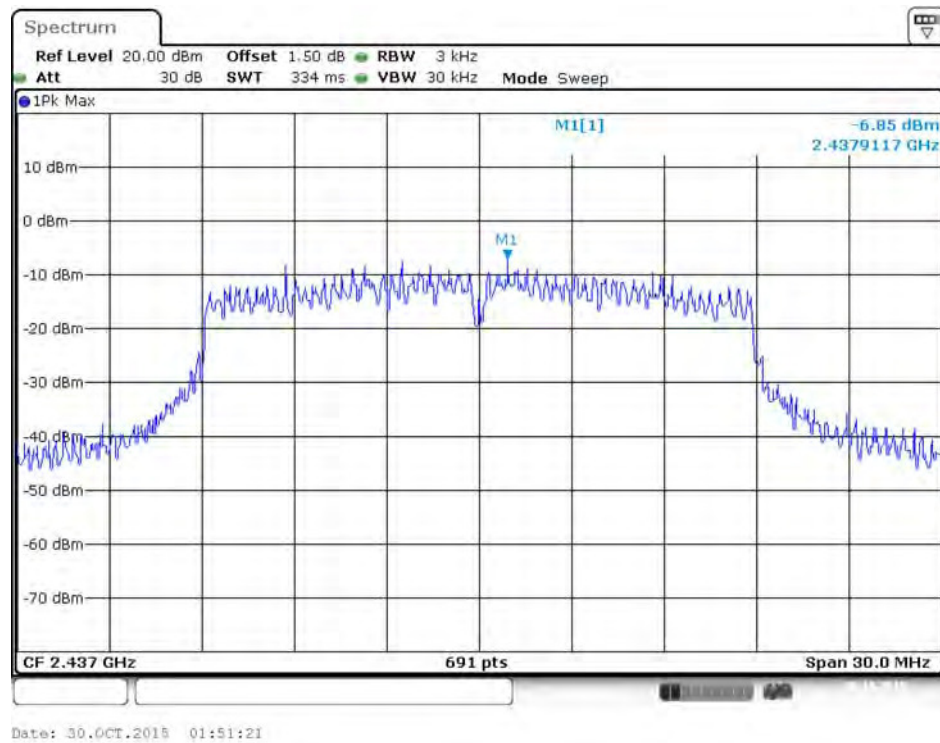
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



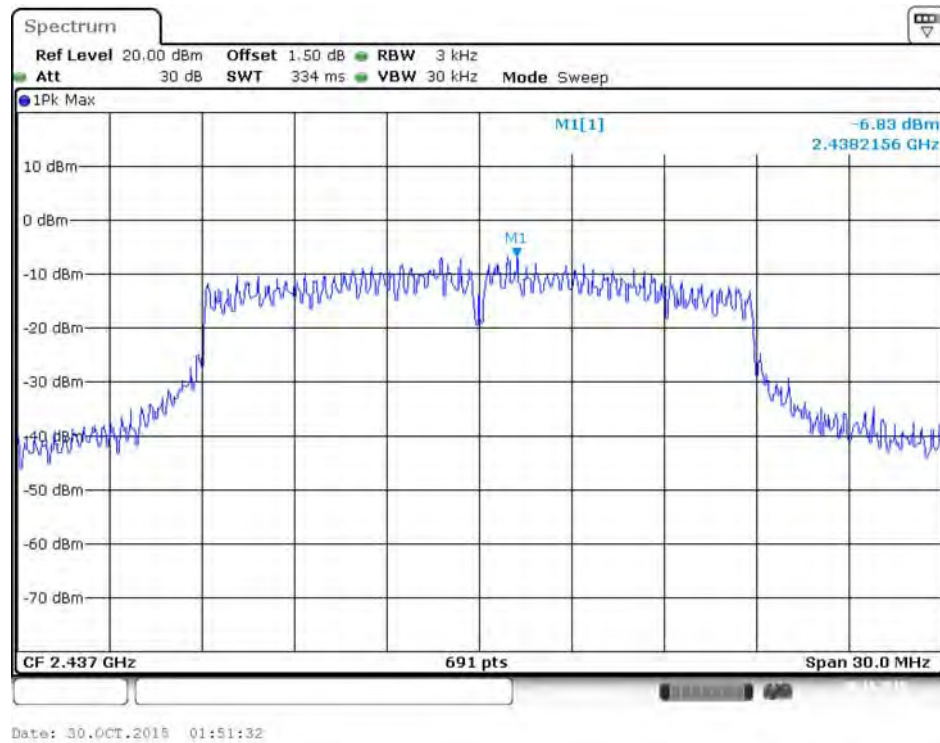
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



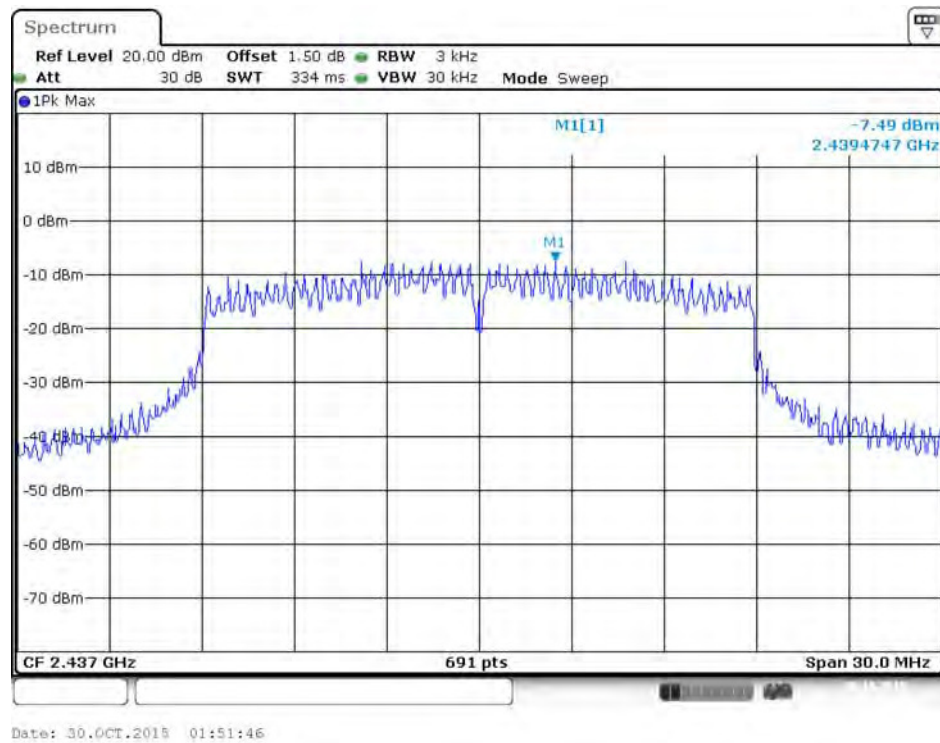
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



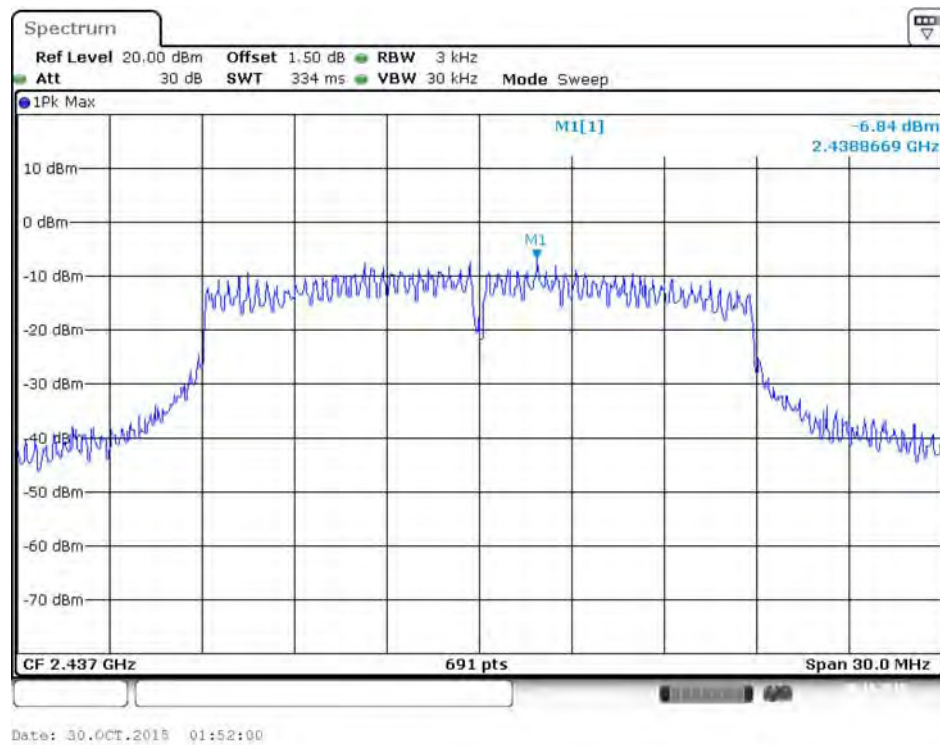
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



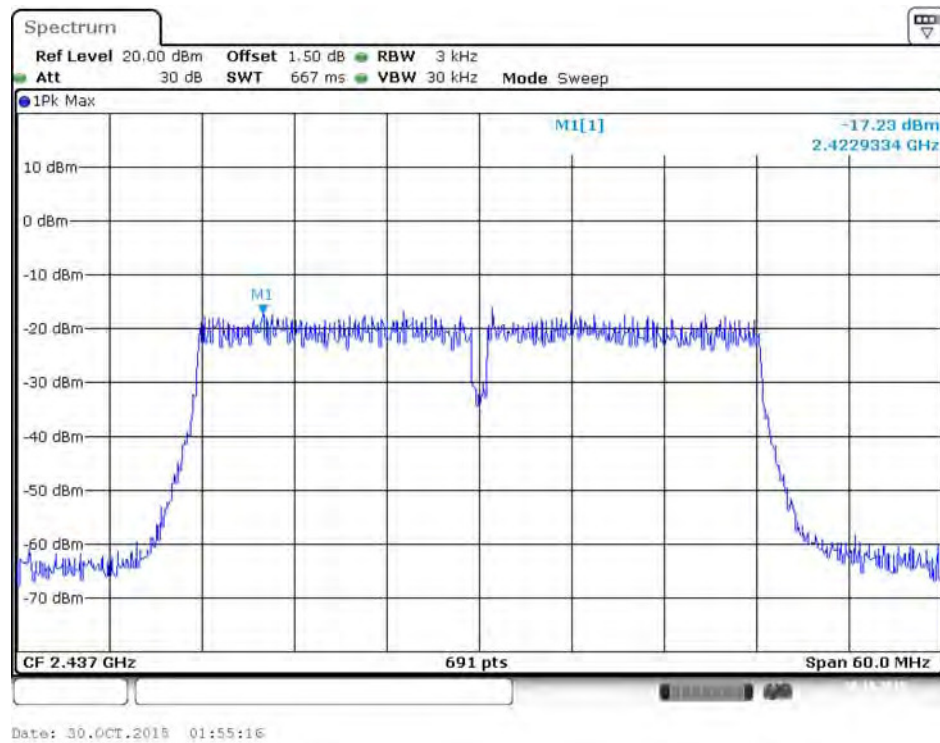
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



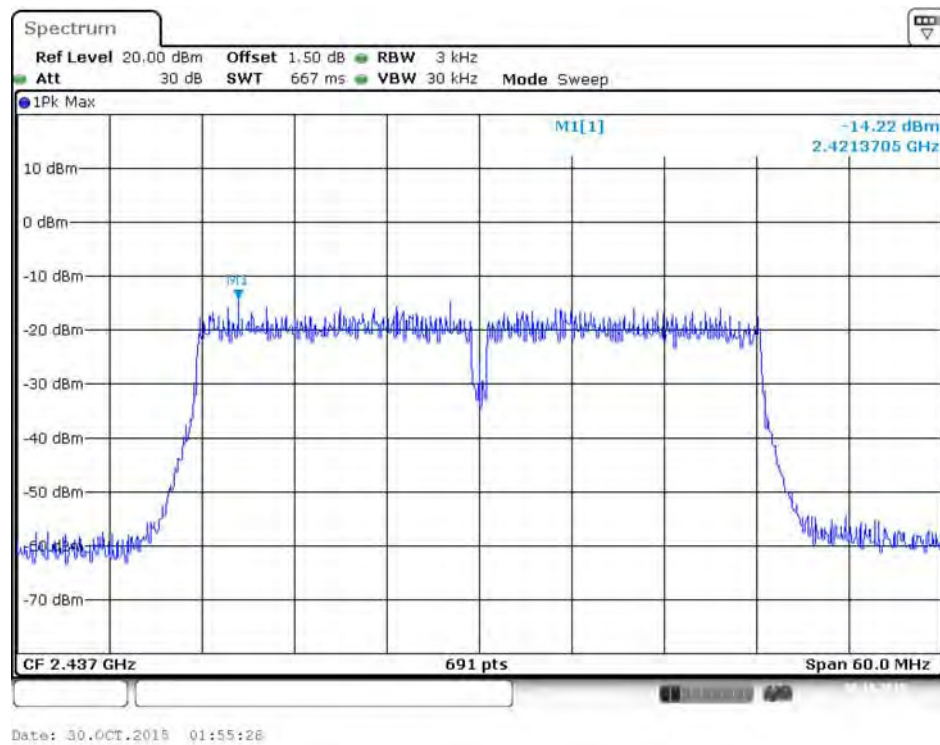
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



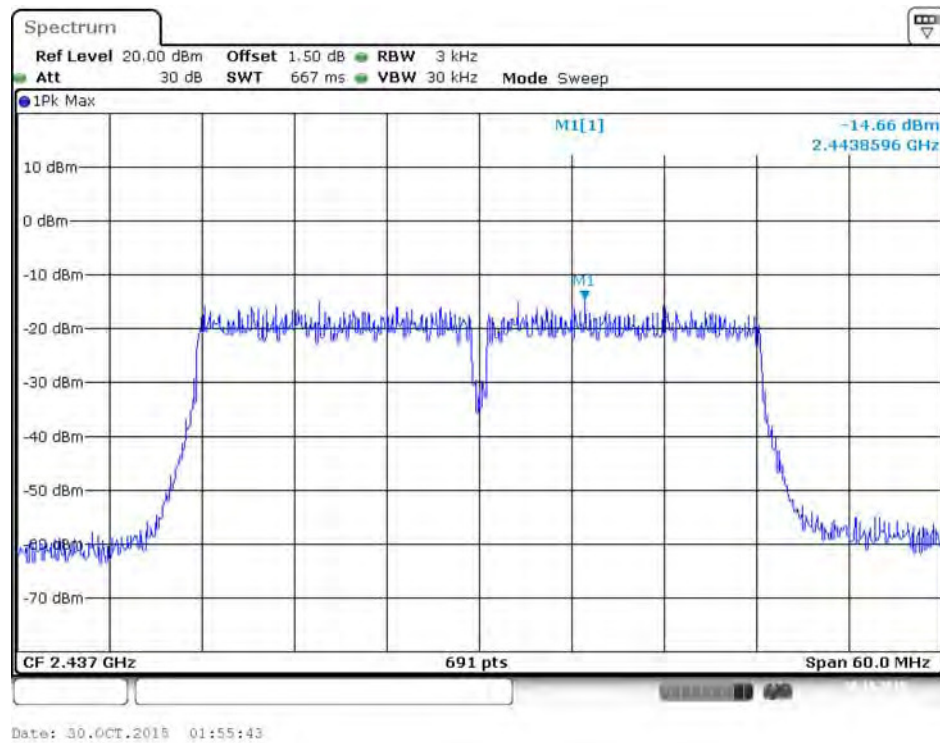
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



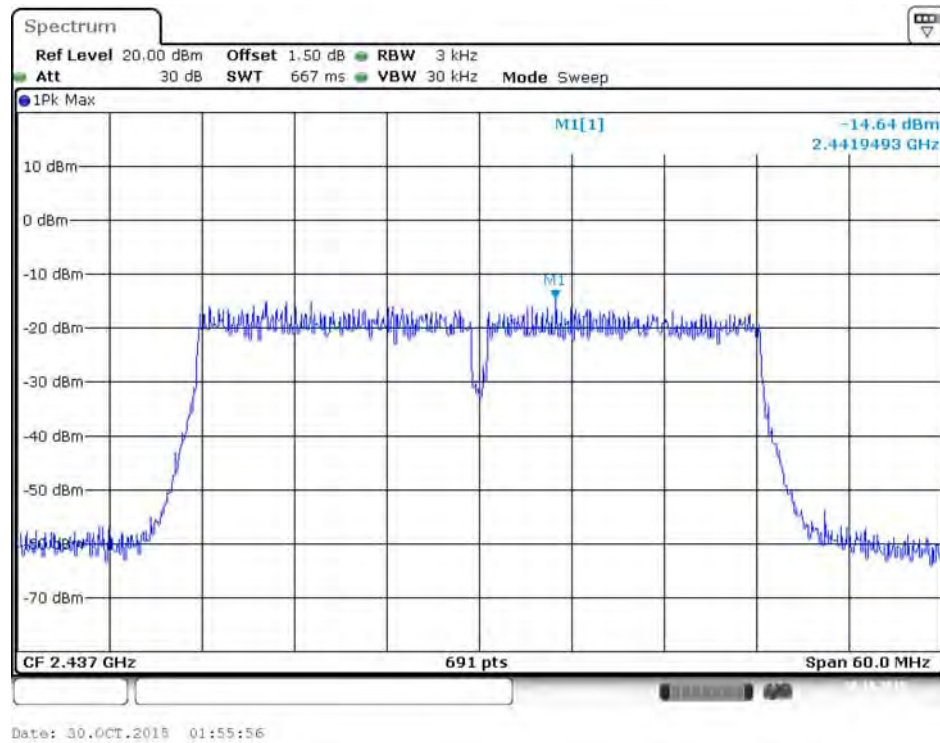
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



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

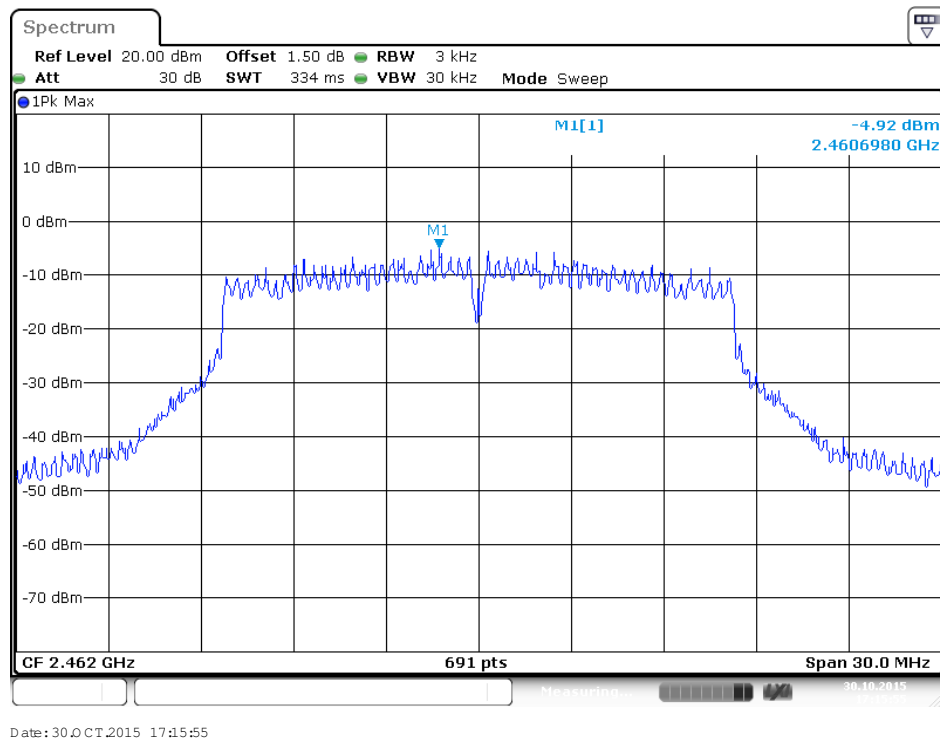


Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)

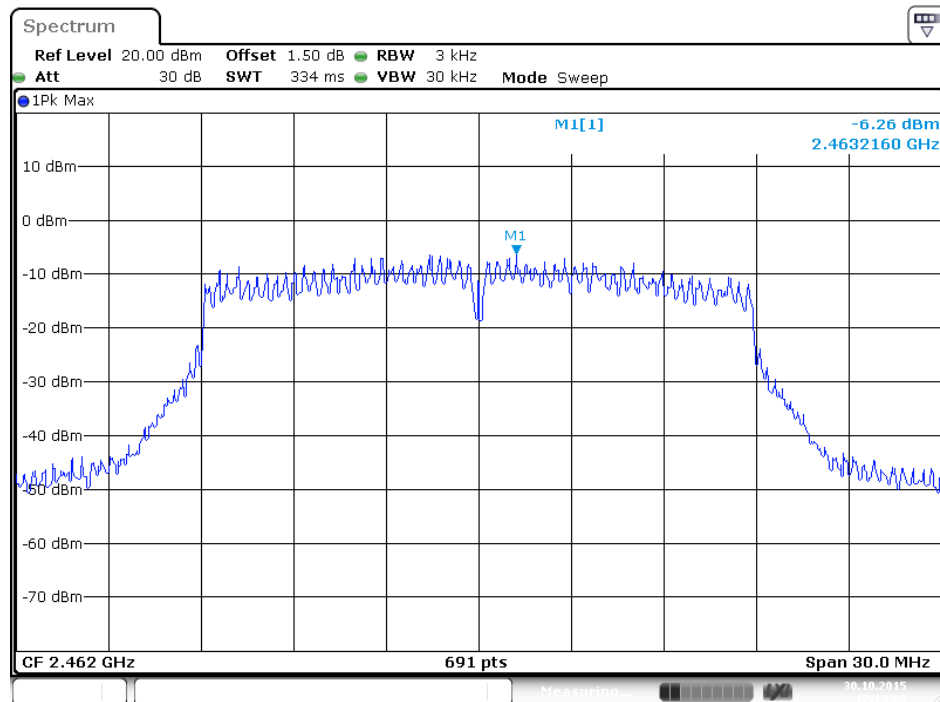
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



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

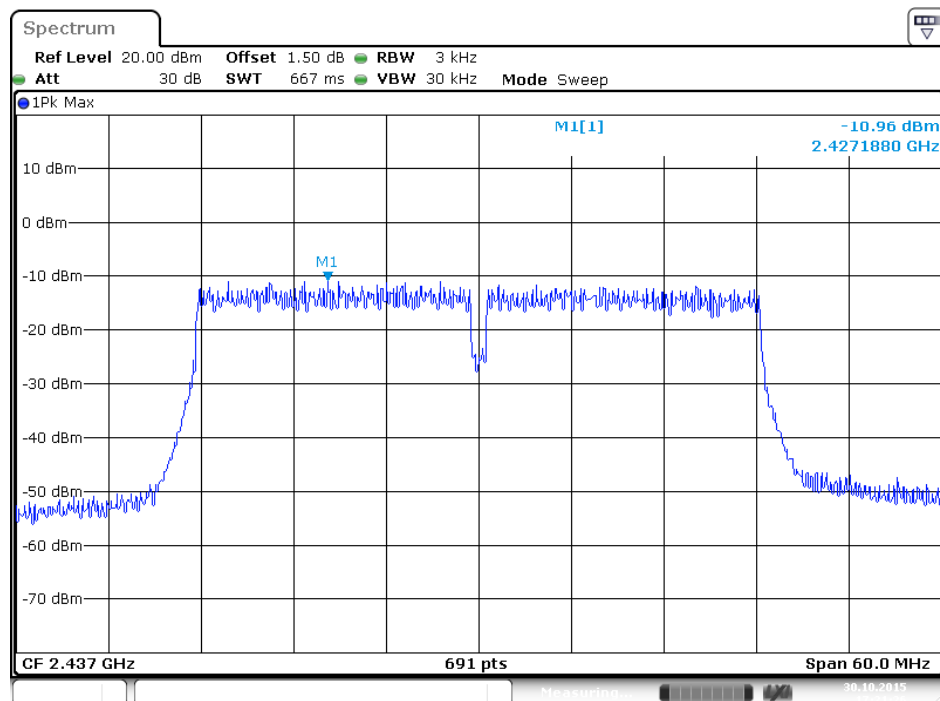


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



Date: 30 OCT 2015 17:19:06

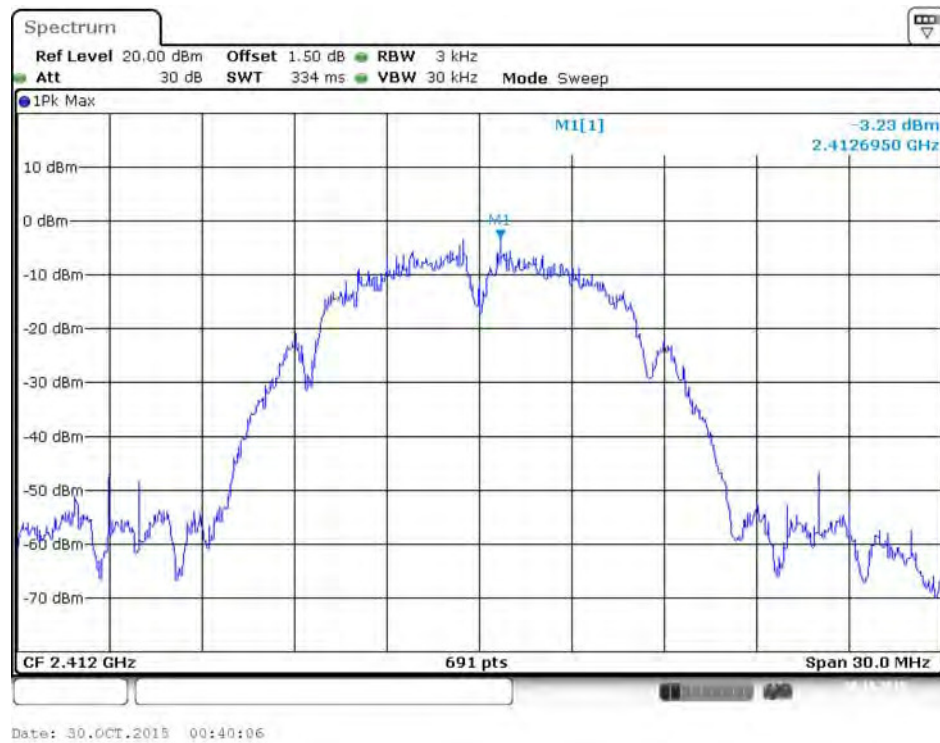
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



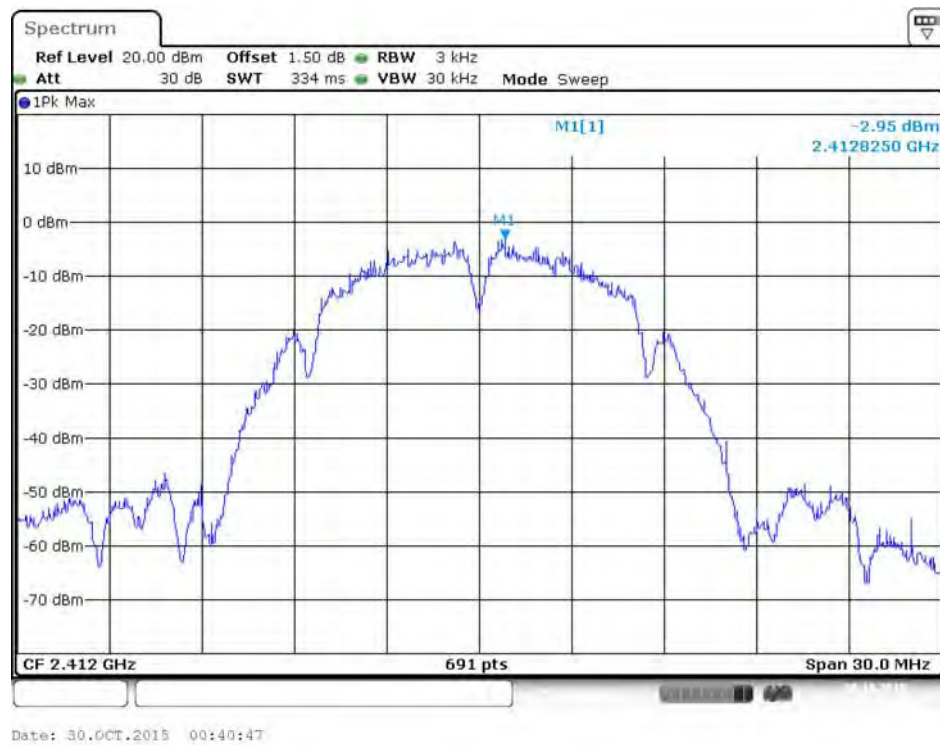
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Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)

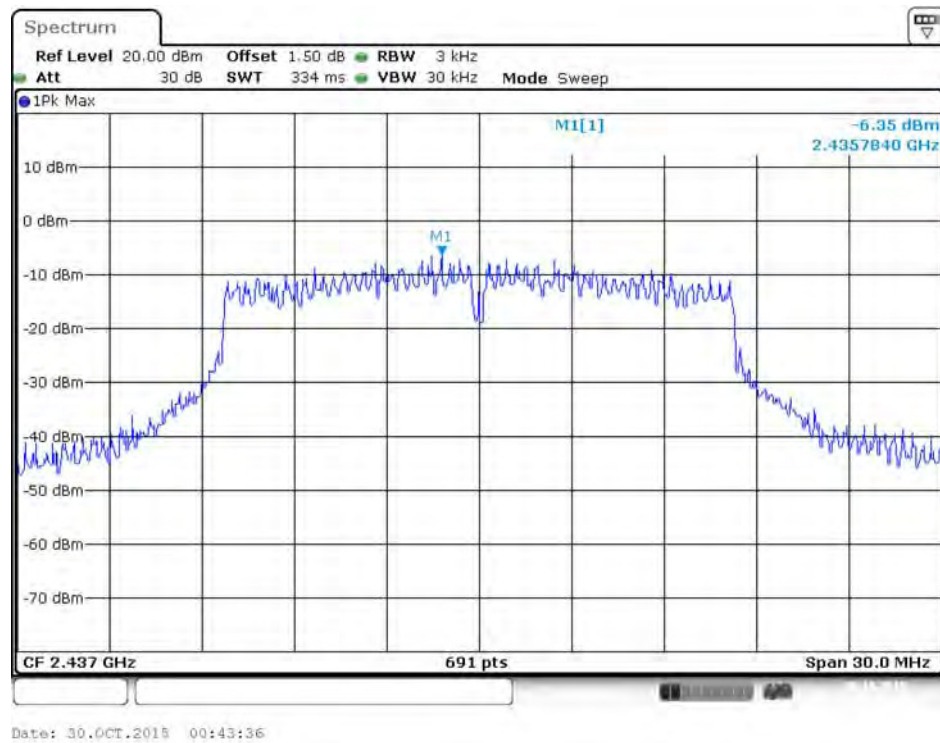
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



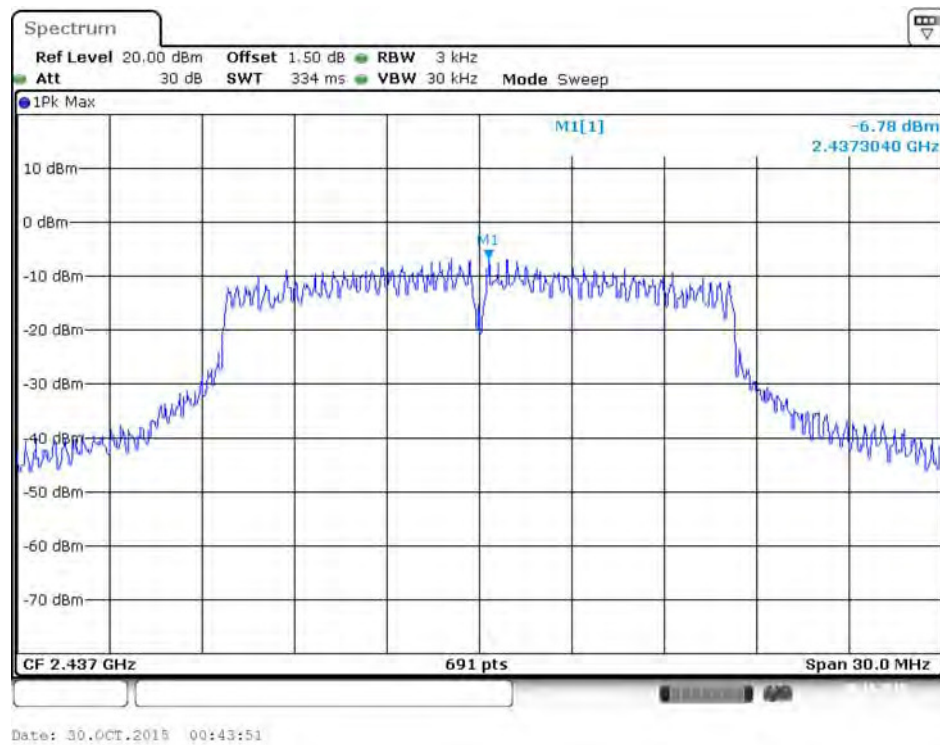
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



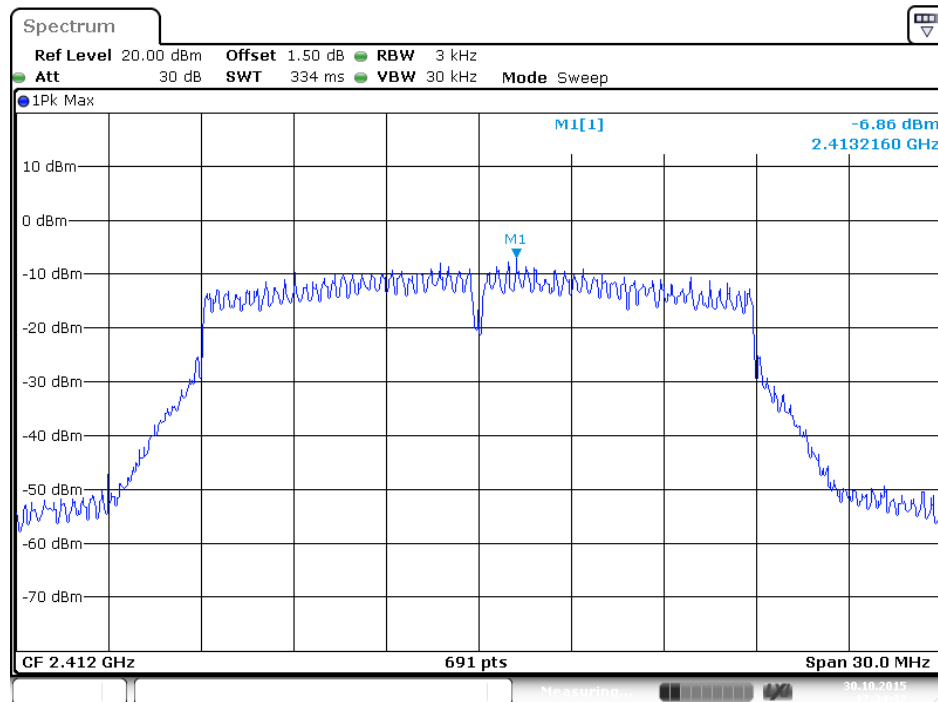
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



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

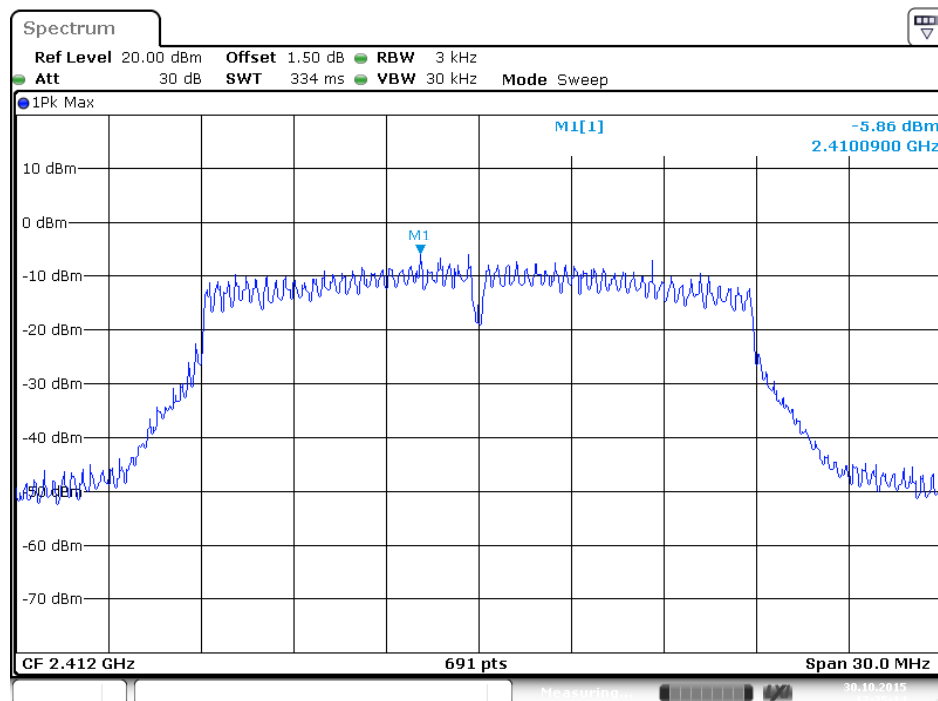


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



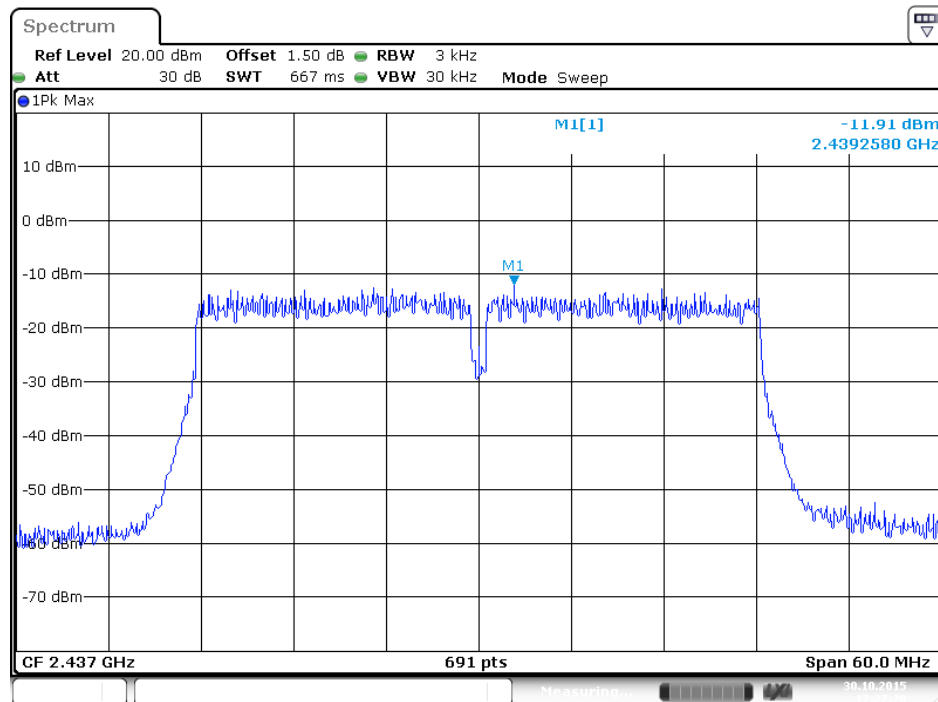
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Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 2

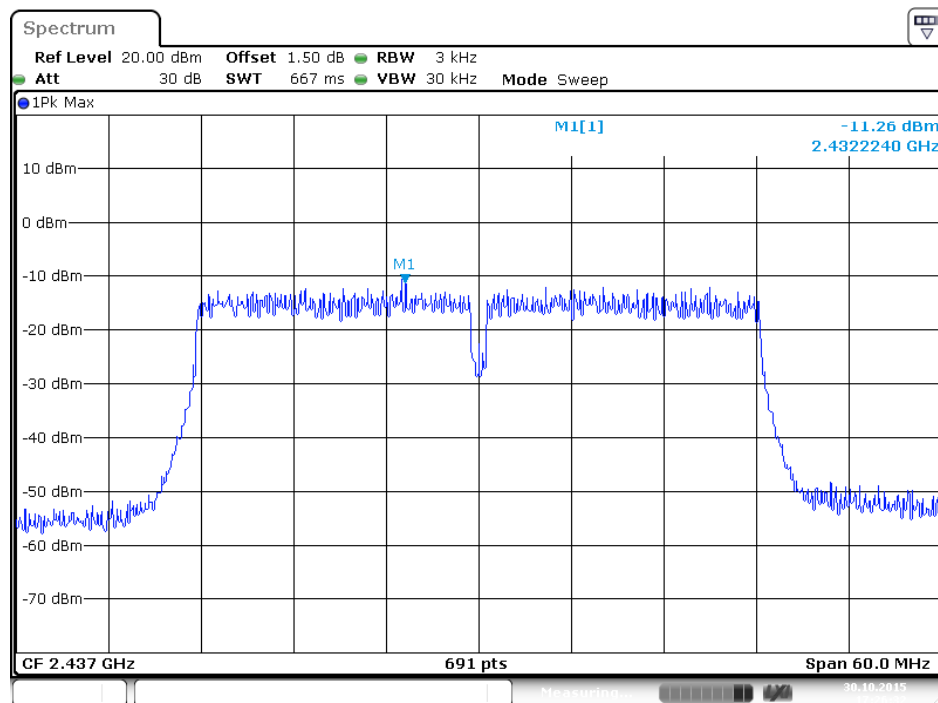


Date: 30 OCT 2015 17:35:14

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

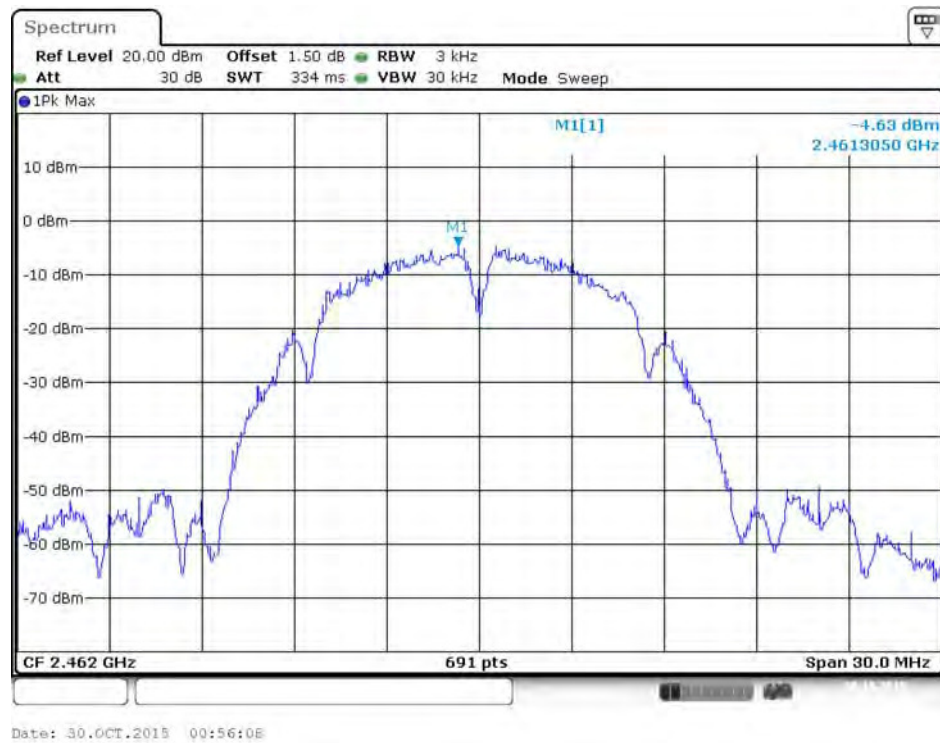


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2

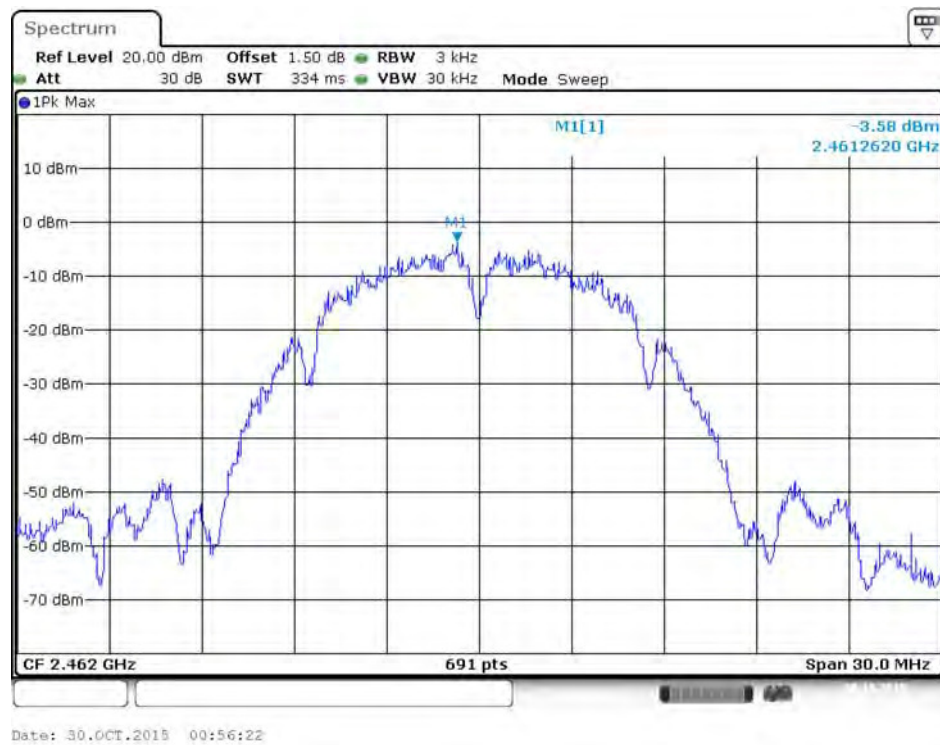


Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX)

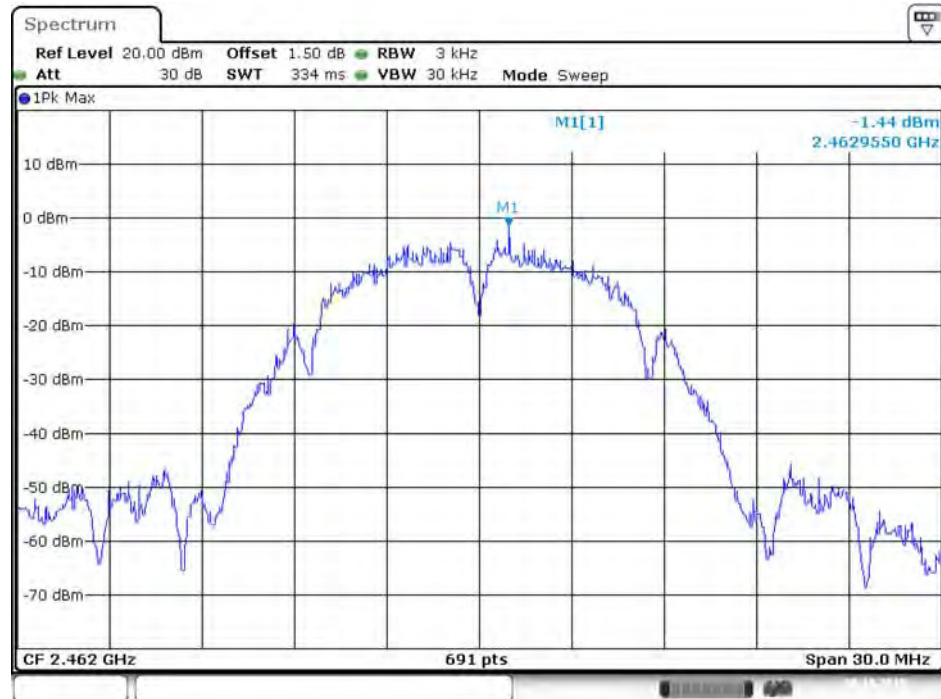
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



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

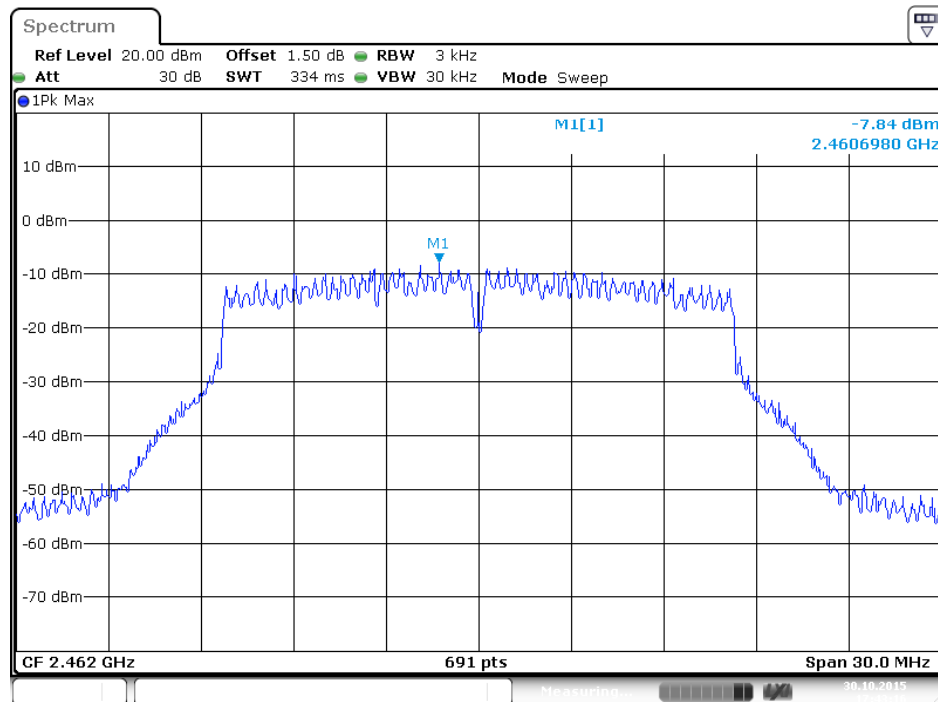


Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



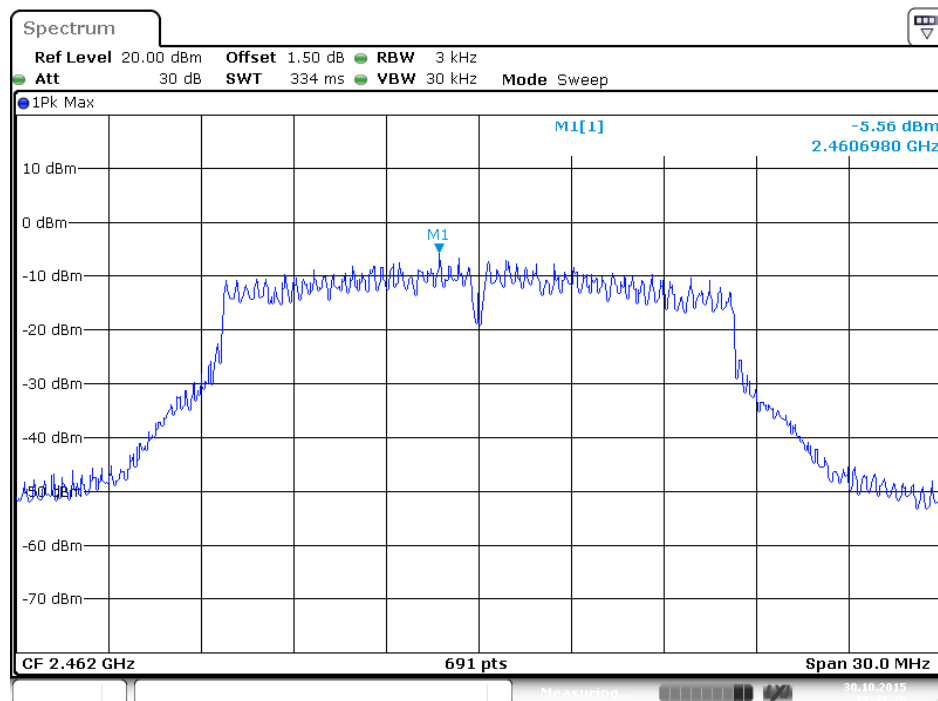
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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



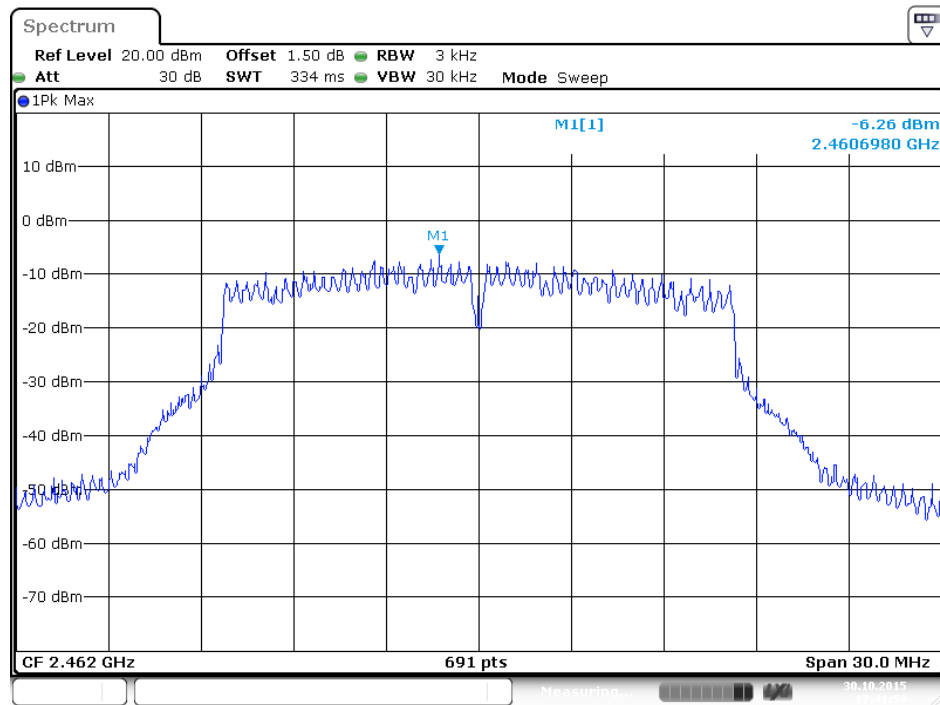
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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 2



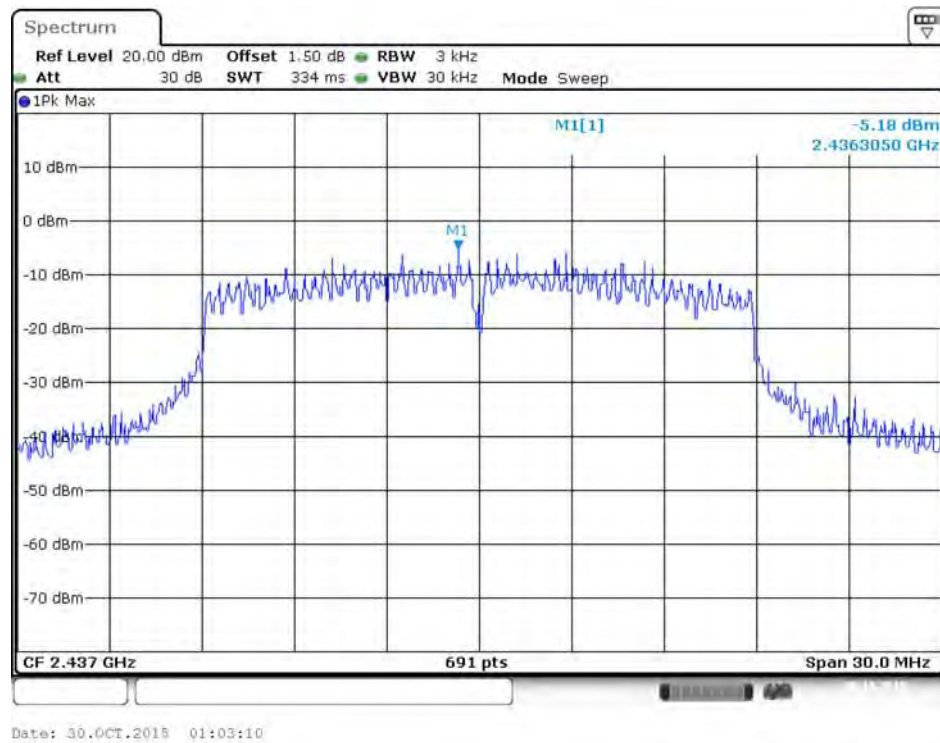
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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 3

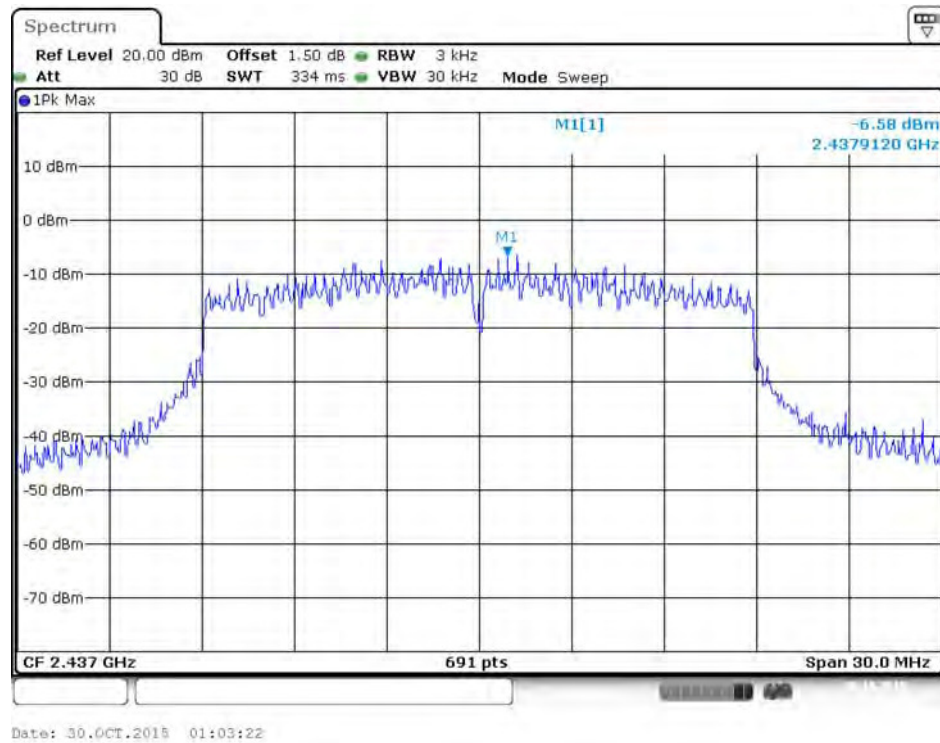


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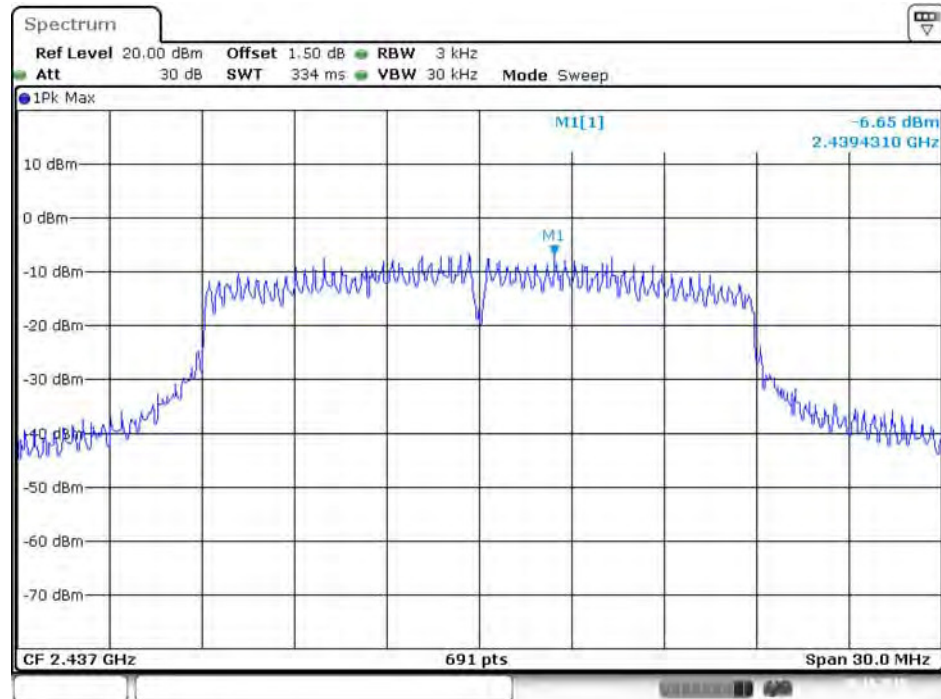
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

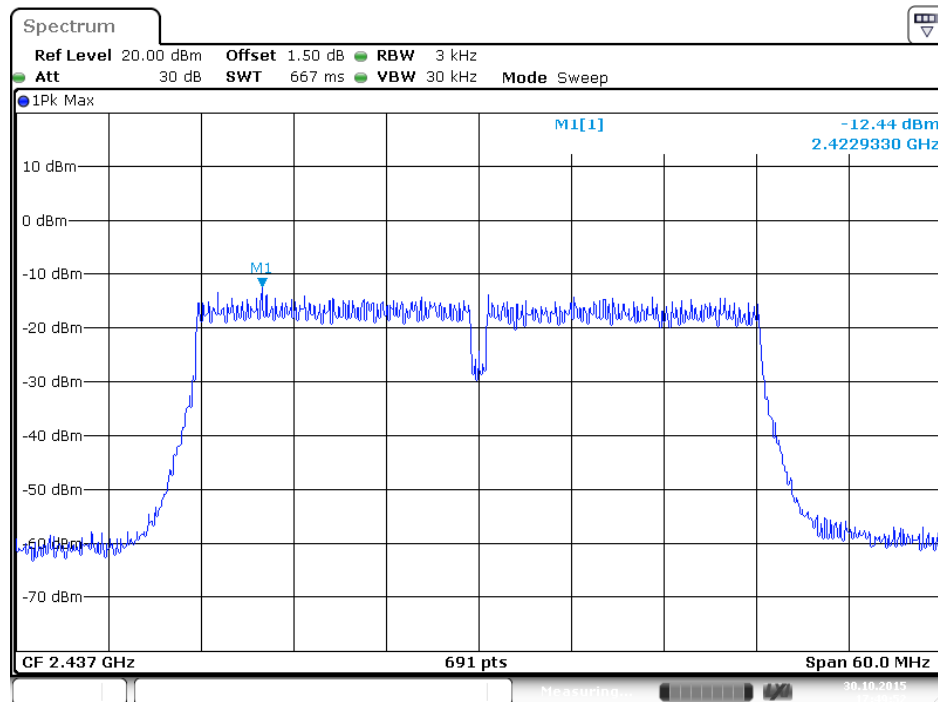


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3

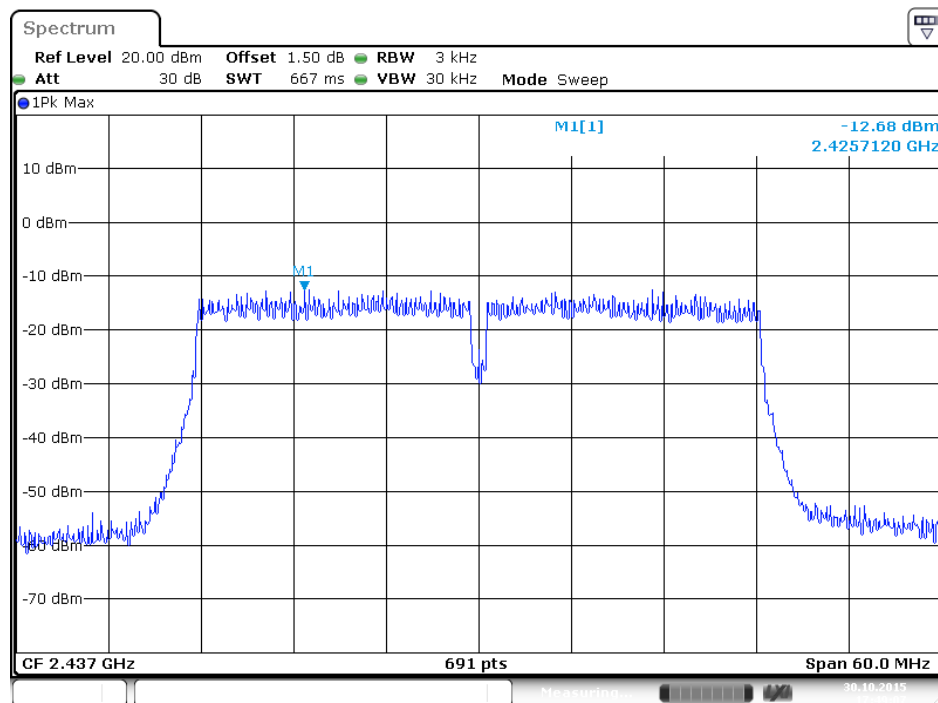


Date: 30.OCT.2015 01:03:34

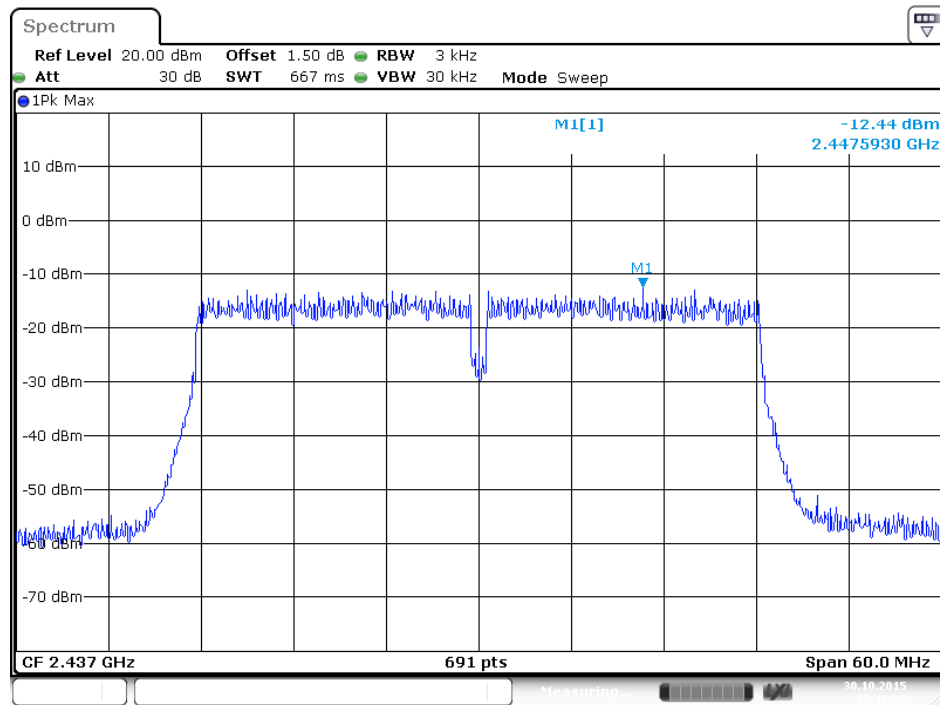
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



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



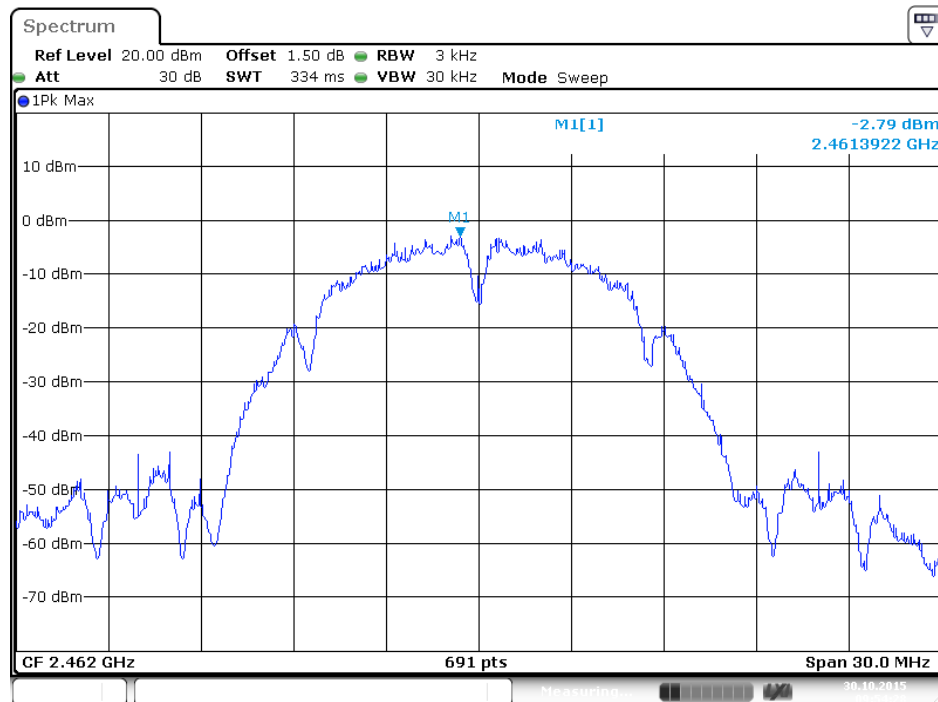
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



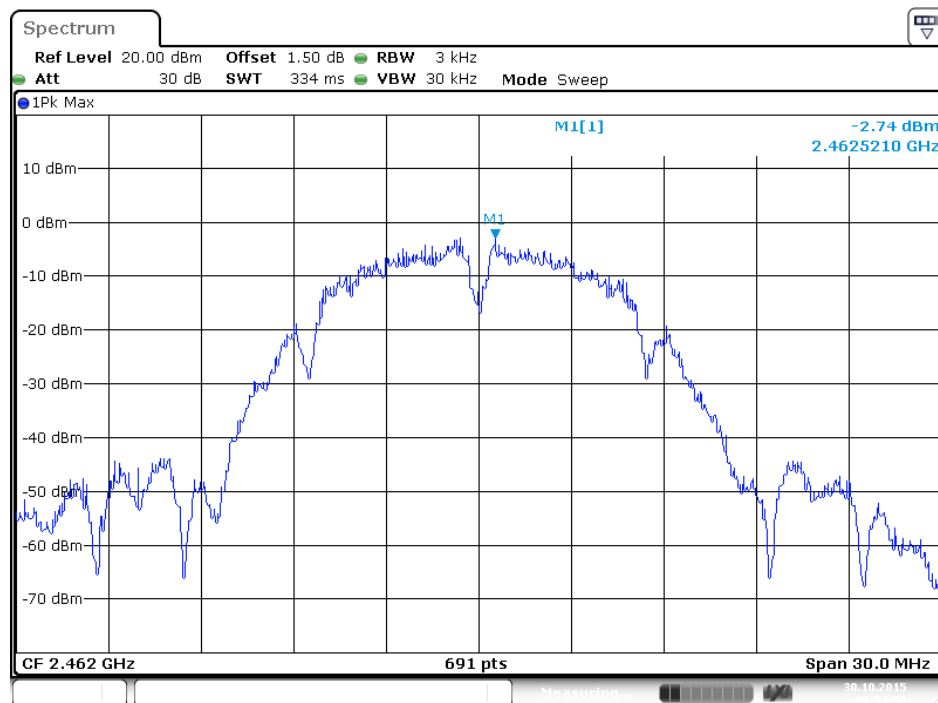
Date: 30 OCT 2015 17:48:03

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

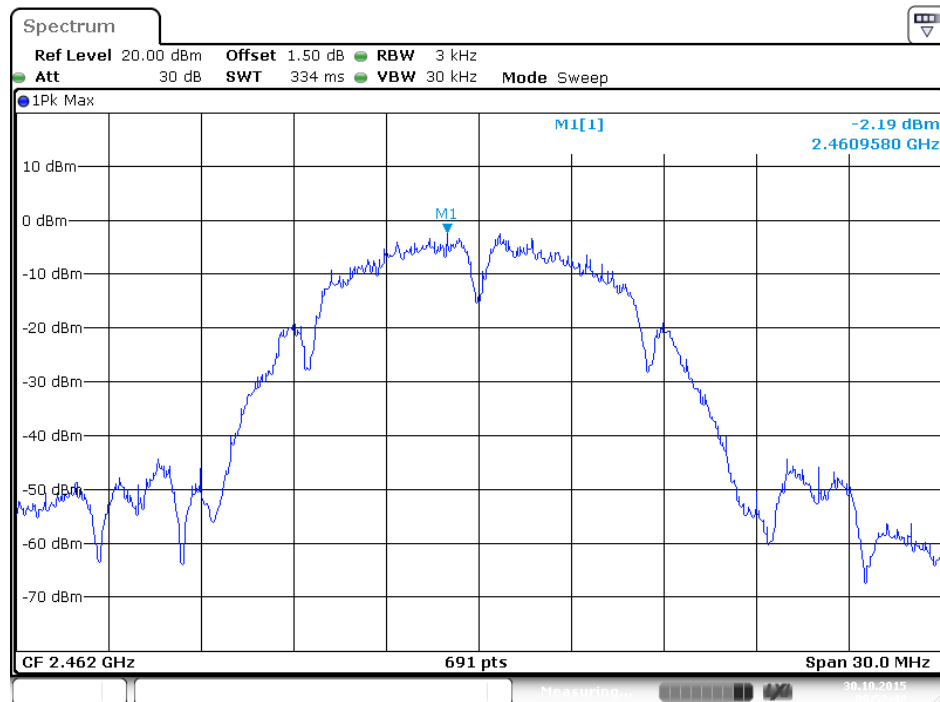
Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



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

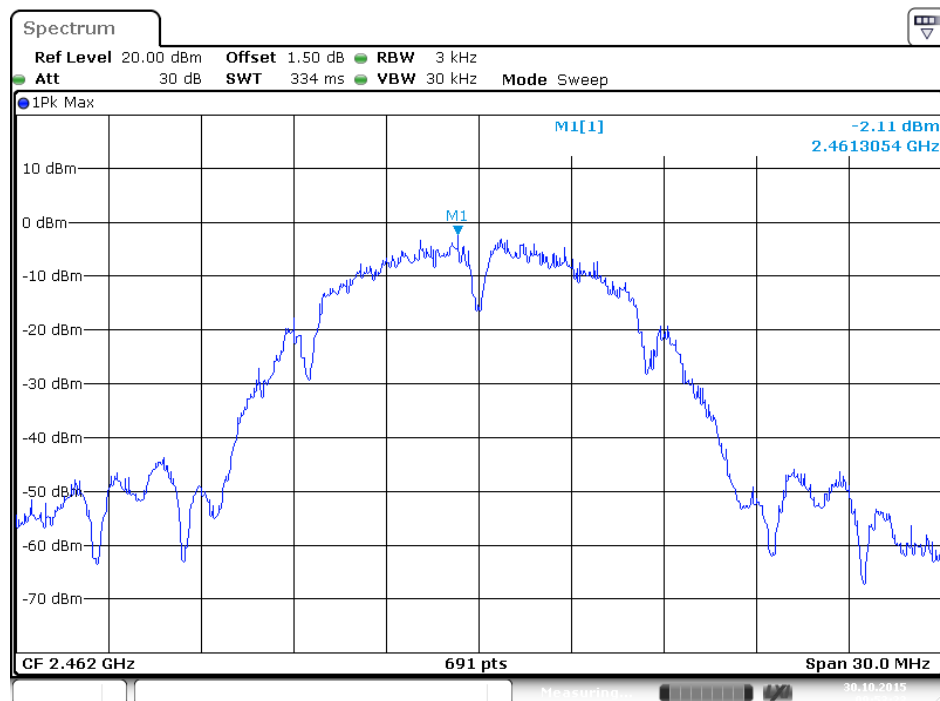


Power Density Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 3



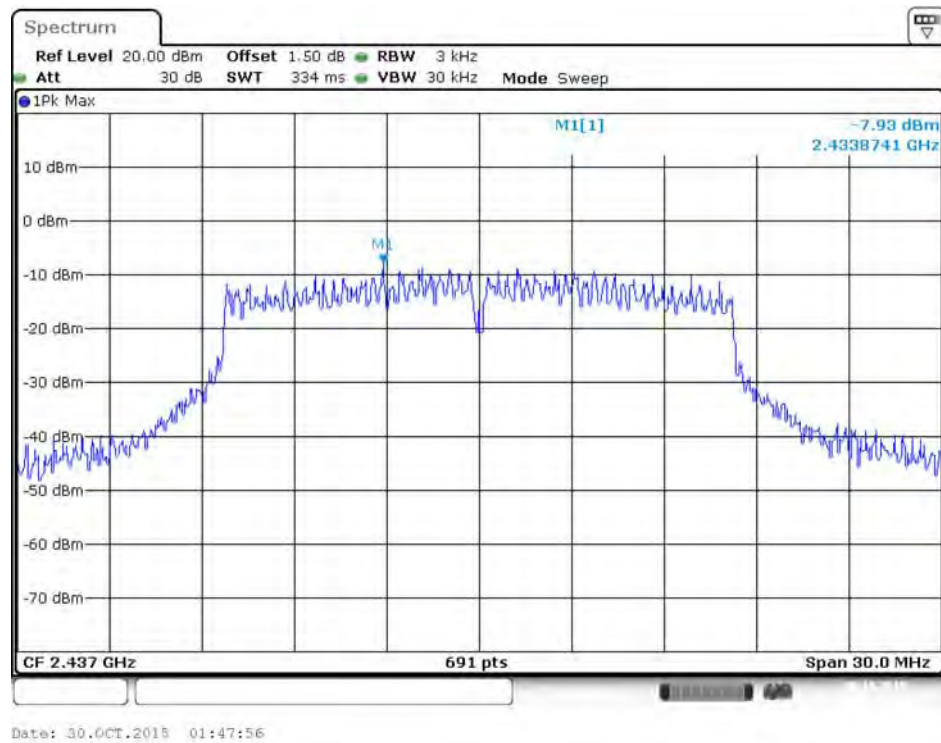
Date: 30.OCT.2015 09:52:42

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

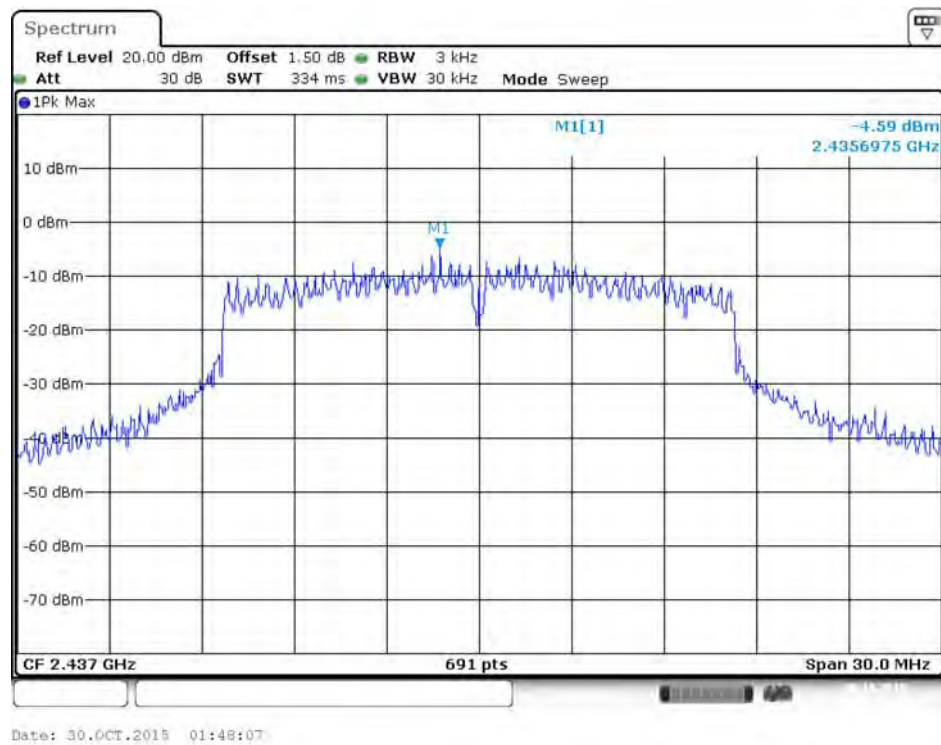


Date: 30.OCT.2015 09:53:22

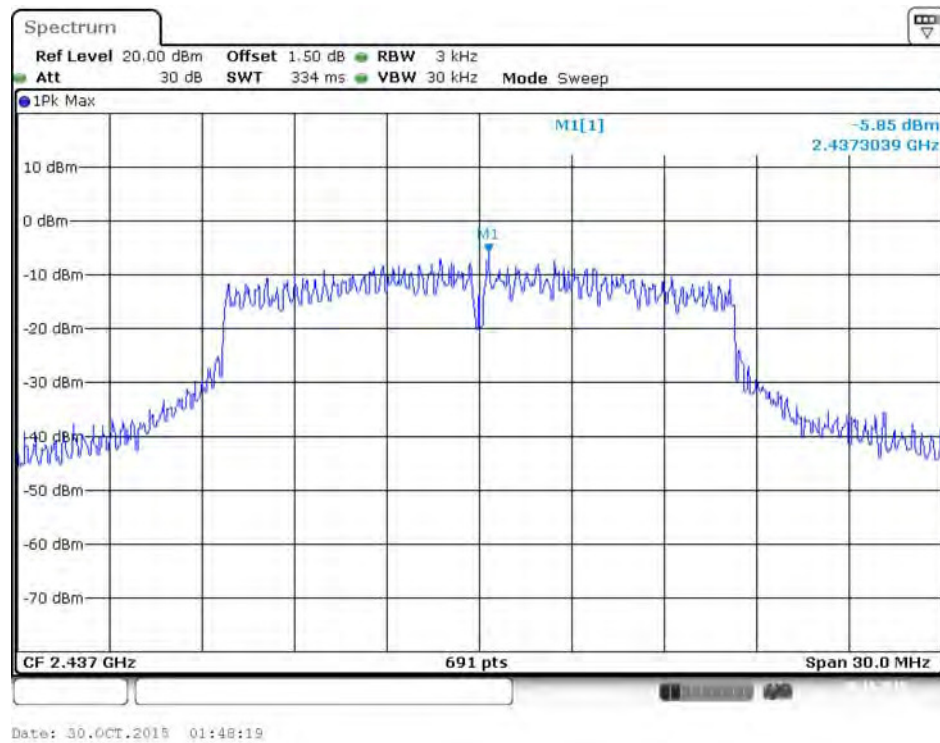
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



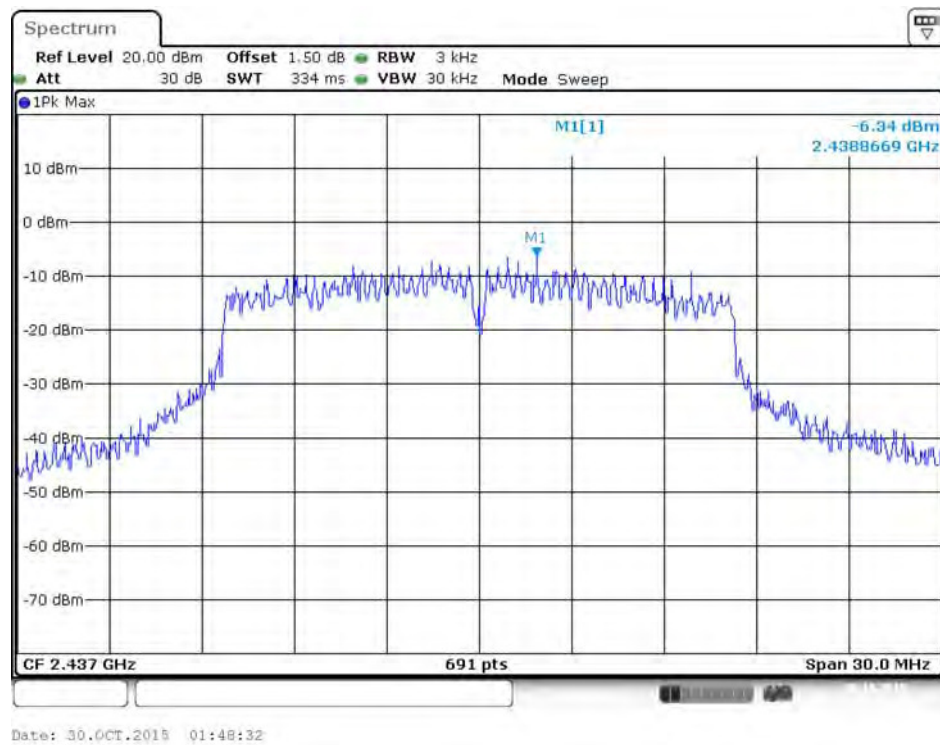
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



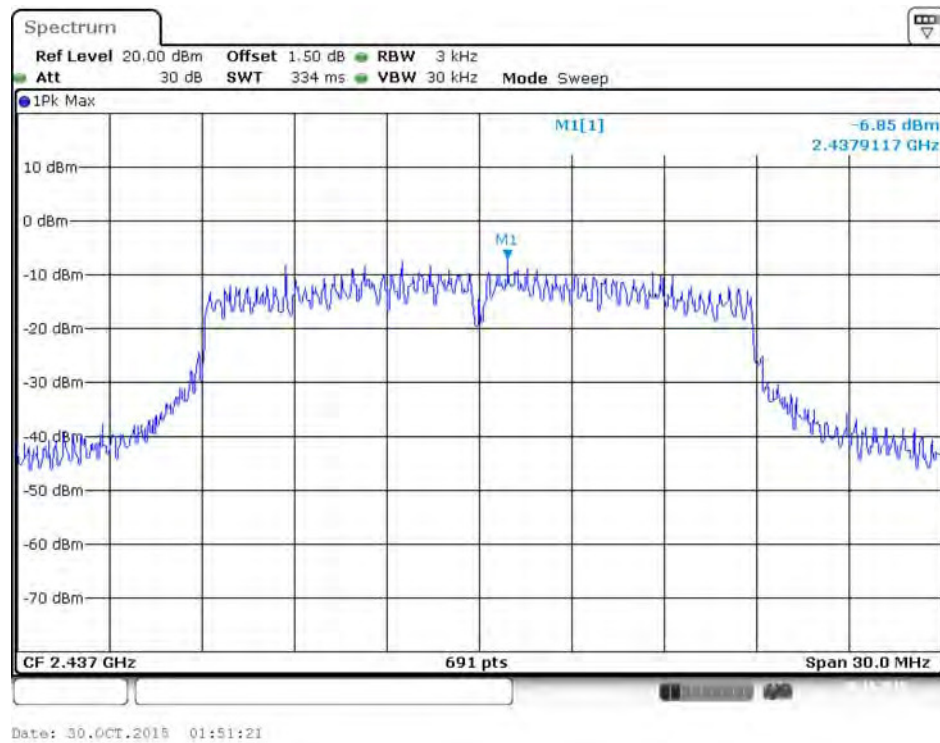
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



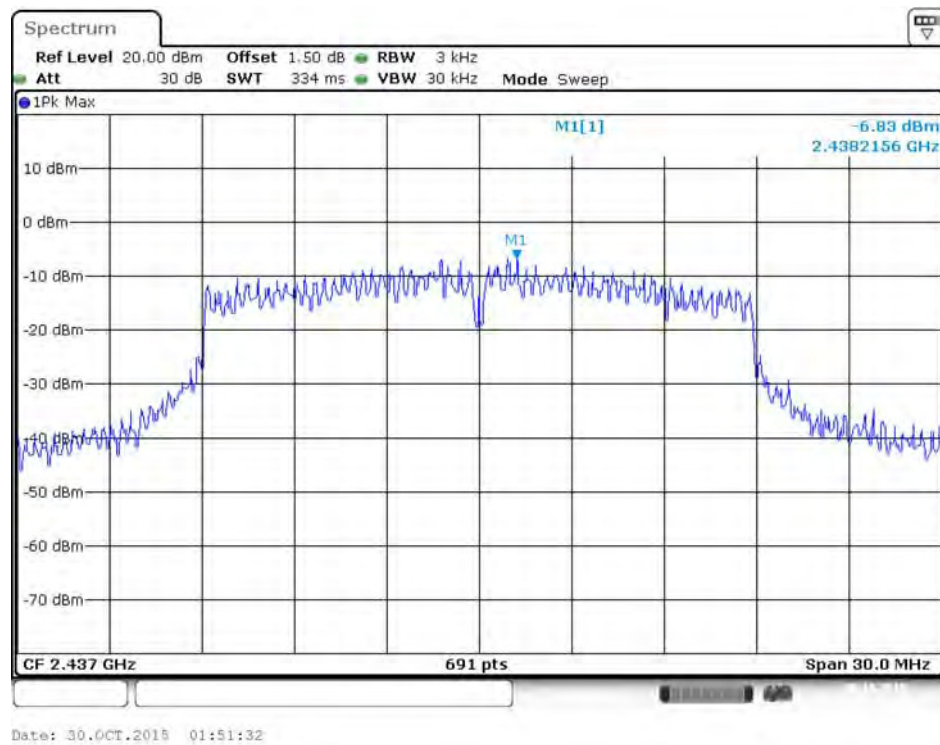
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



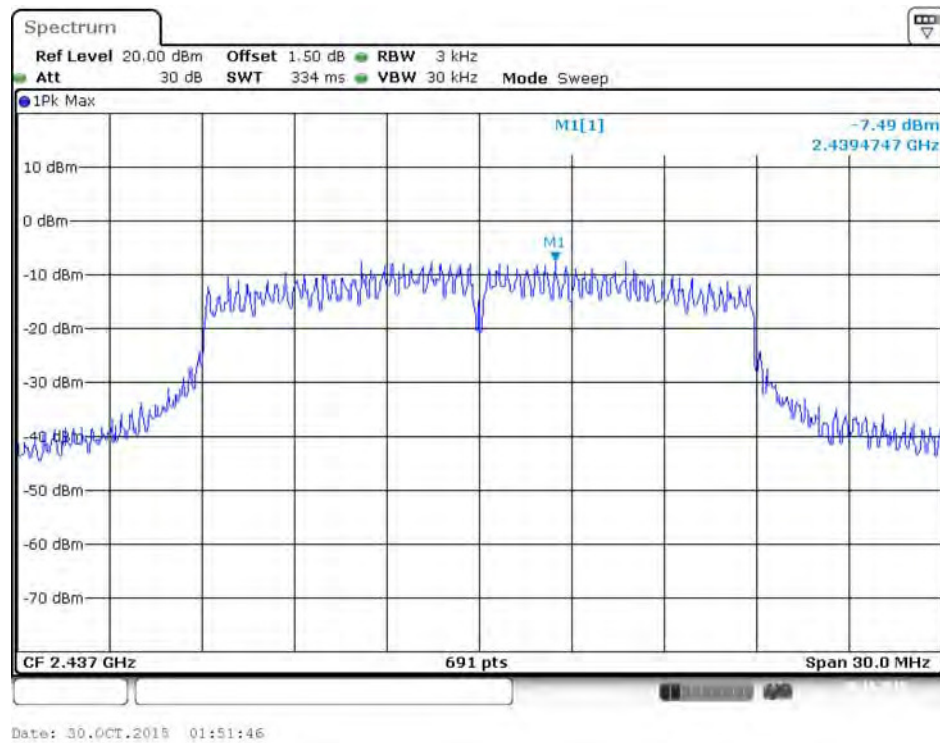
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



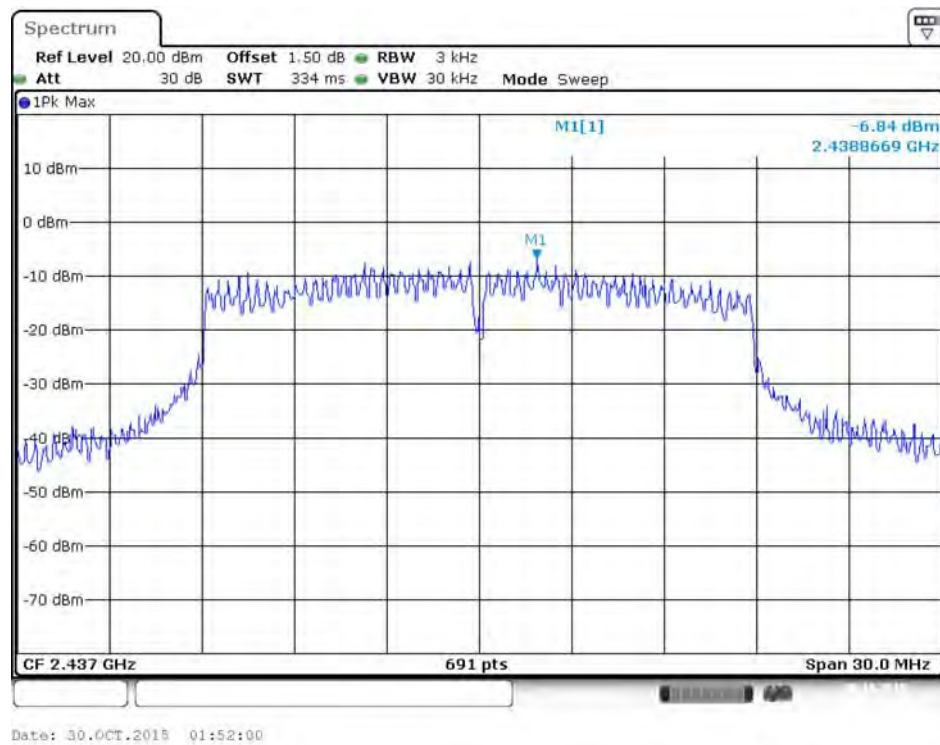
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



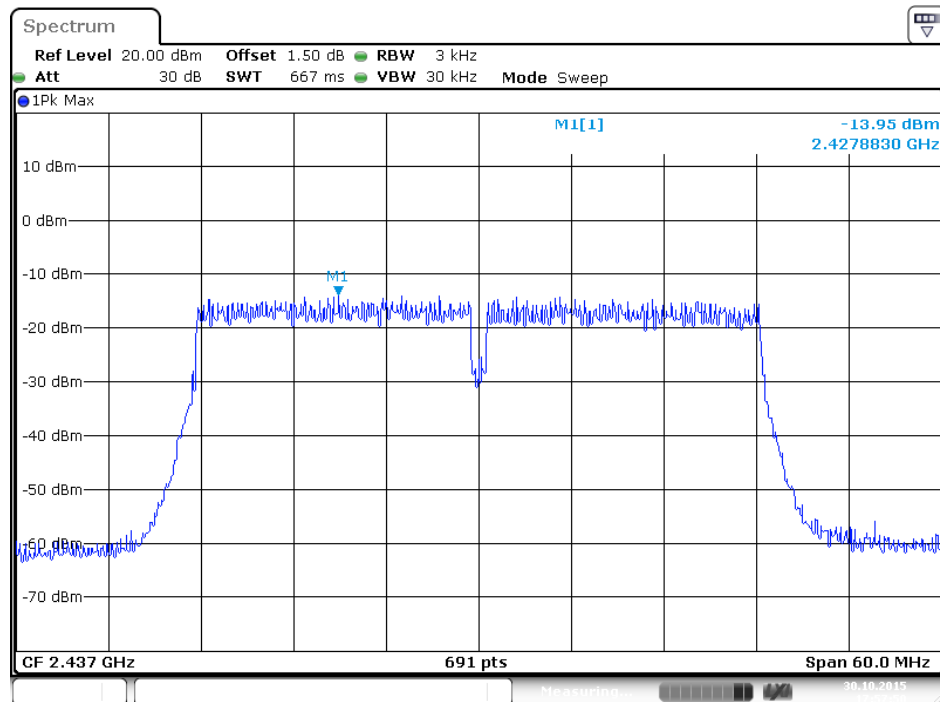
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



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

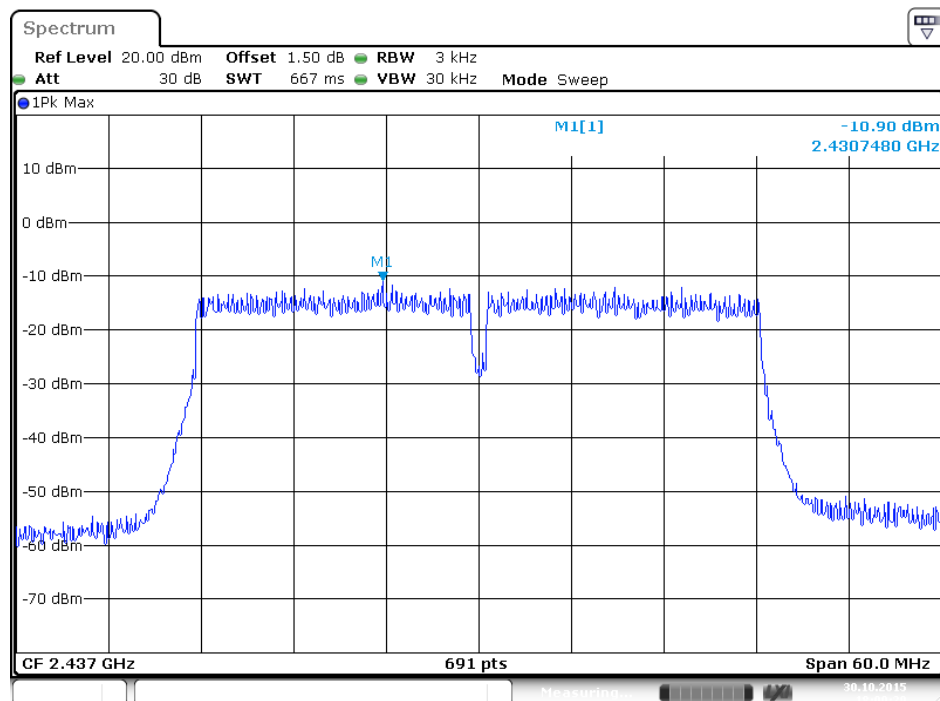


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



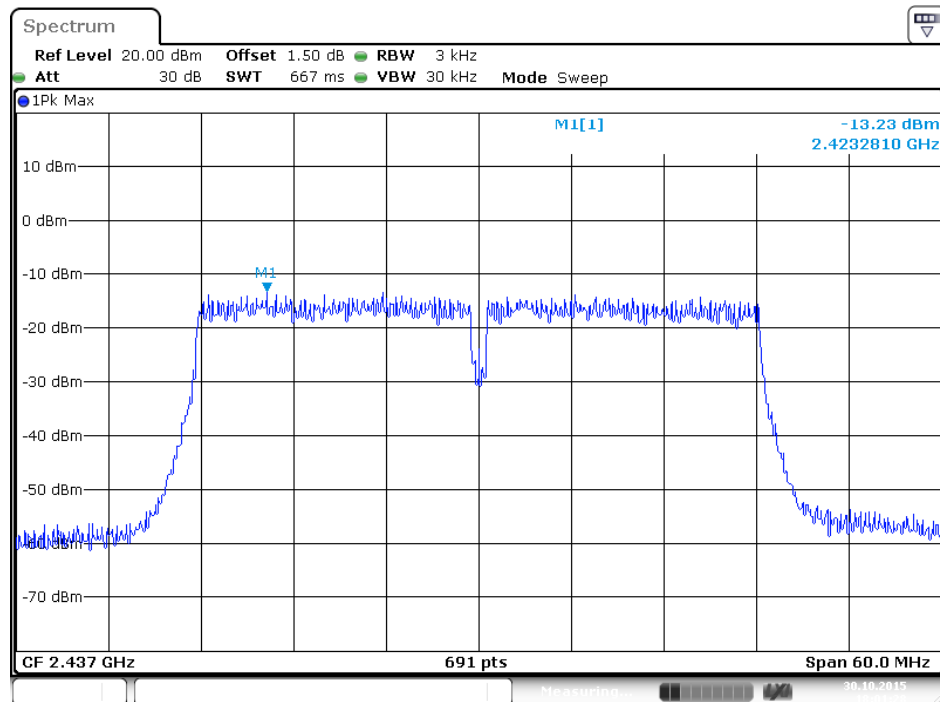
Date: 30 OCT 2015 17:57:50

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

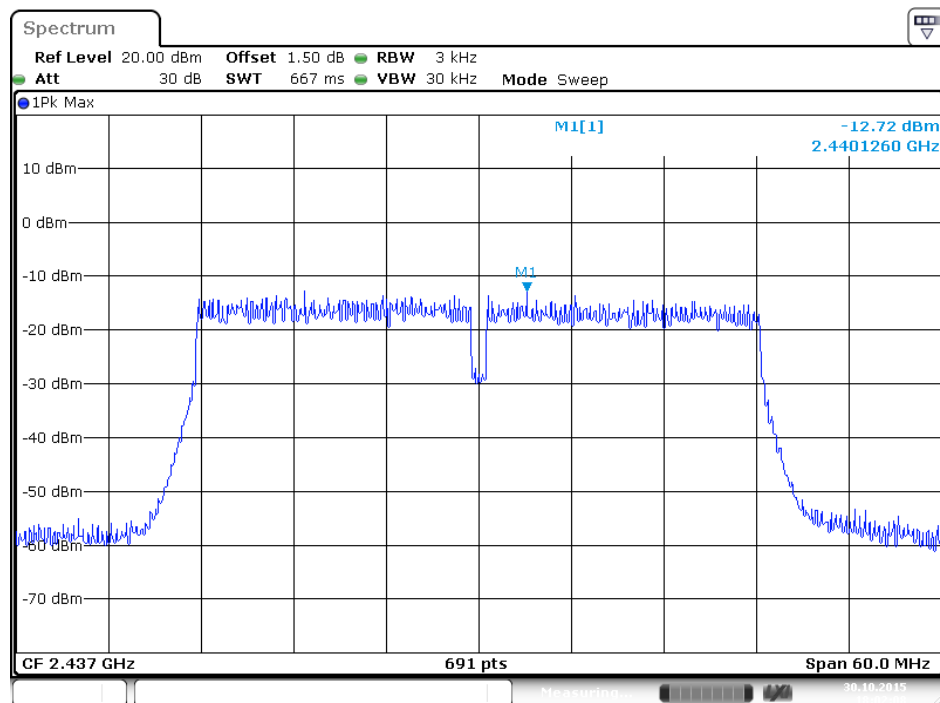


Date: 30 OCT 2015 18:00:29

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

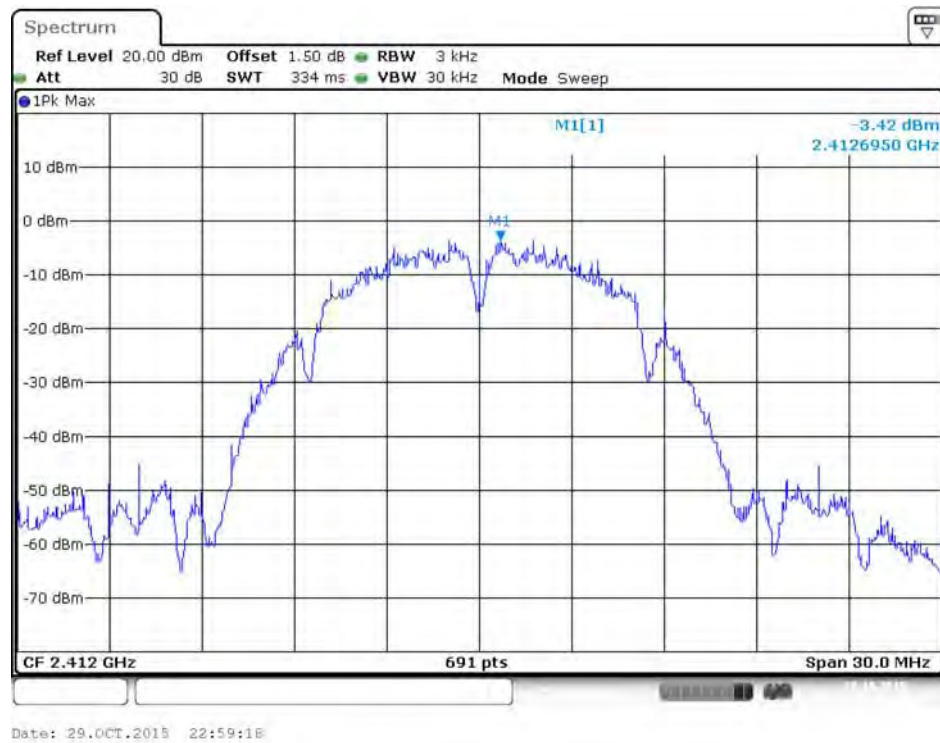


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4

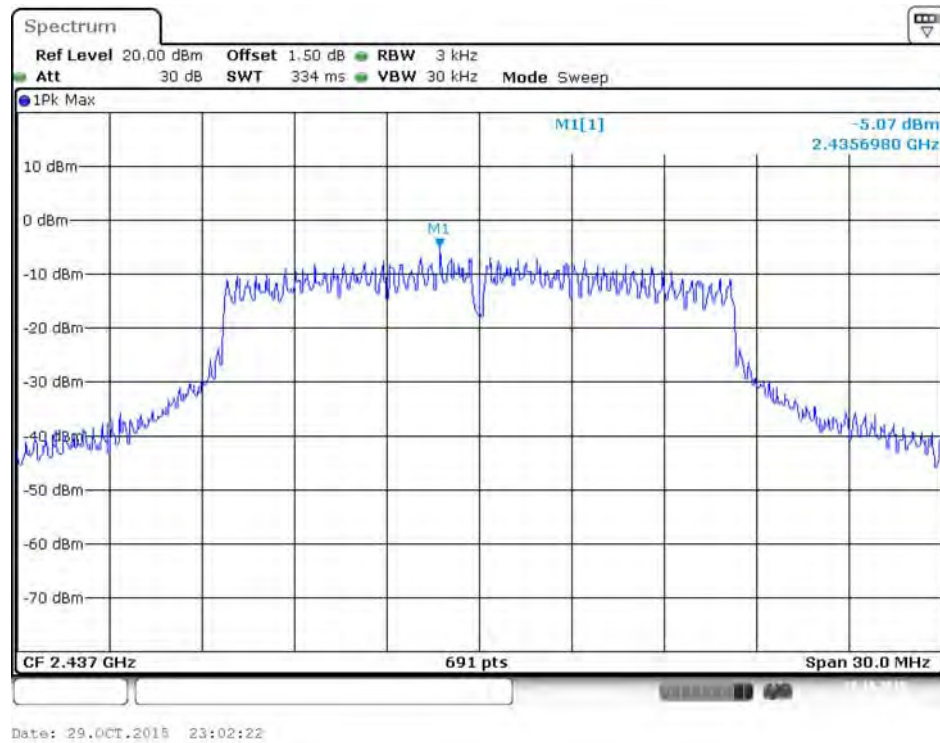


Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX)

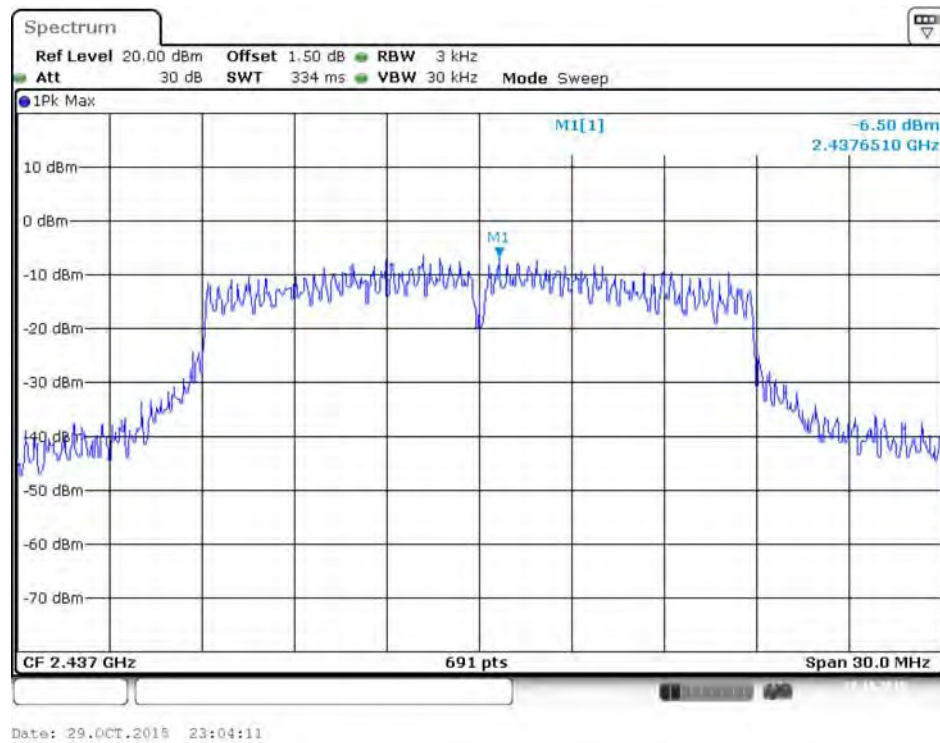
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



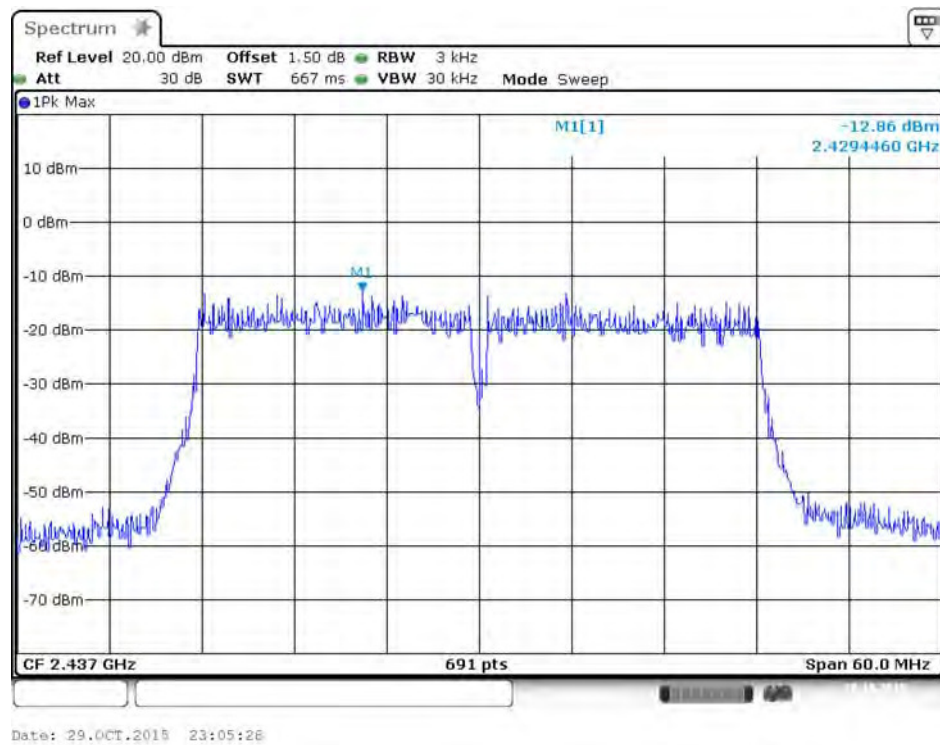
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



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

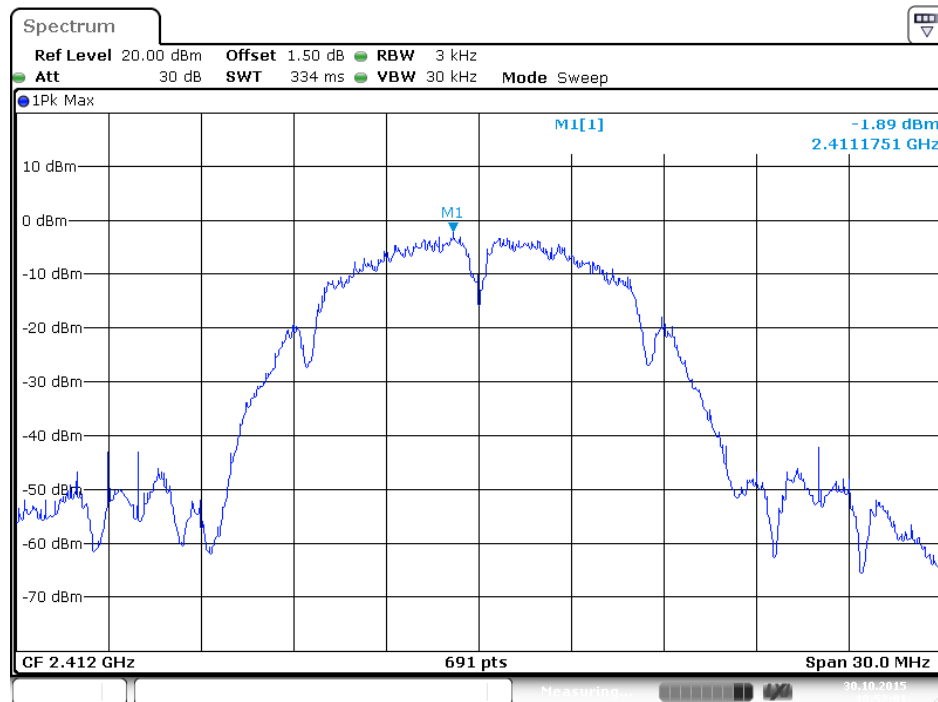


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1

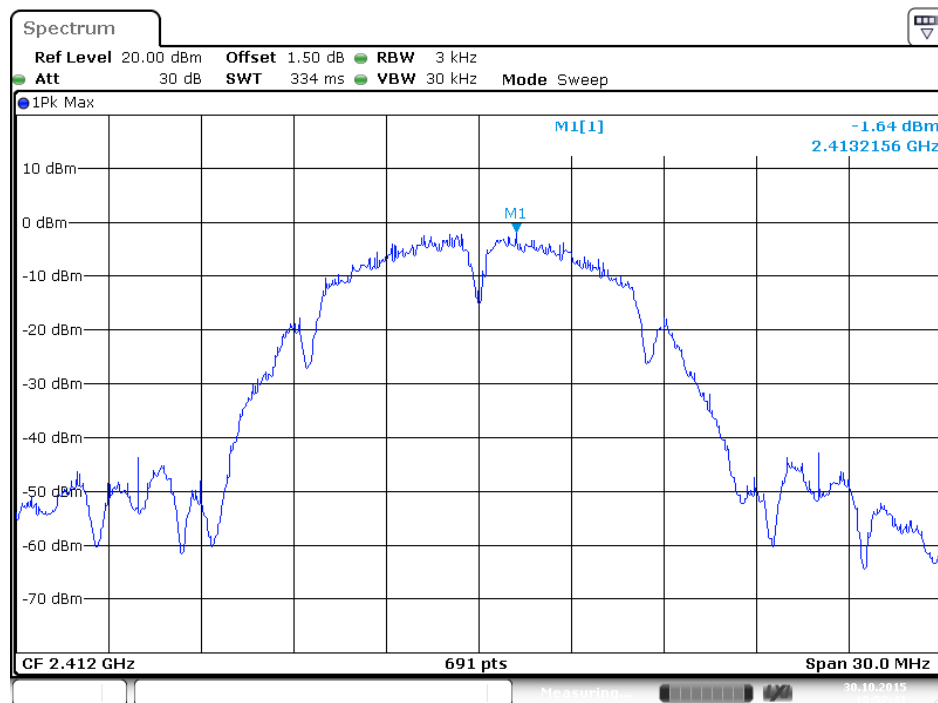


Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX)

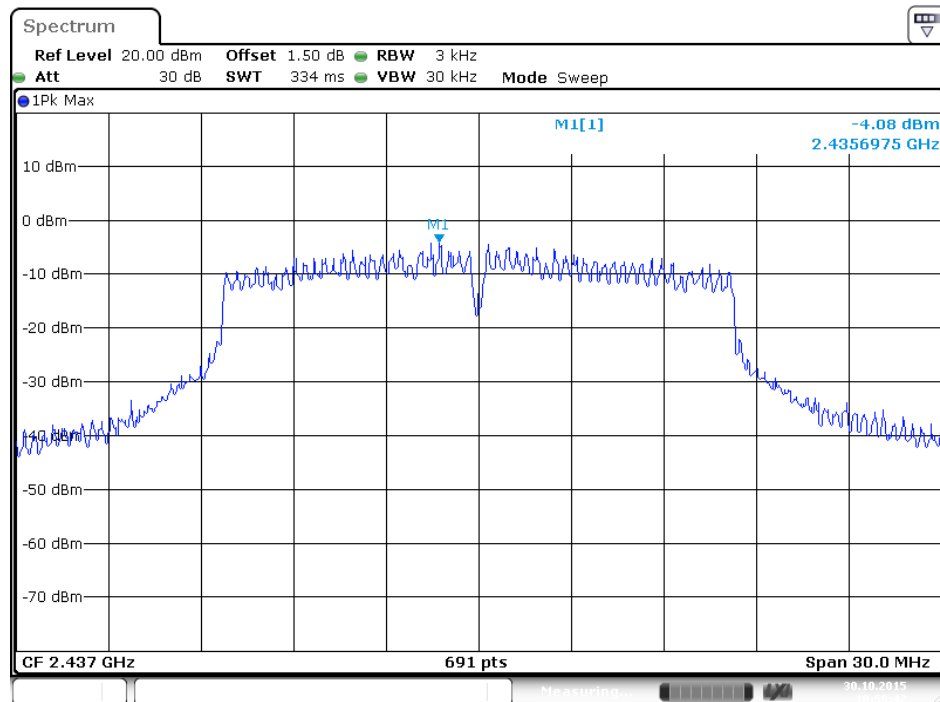
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



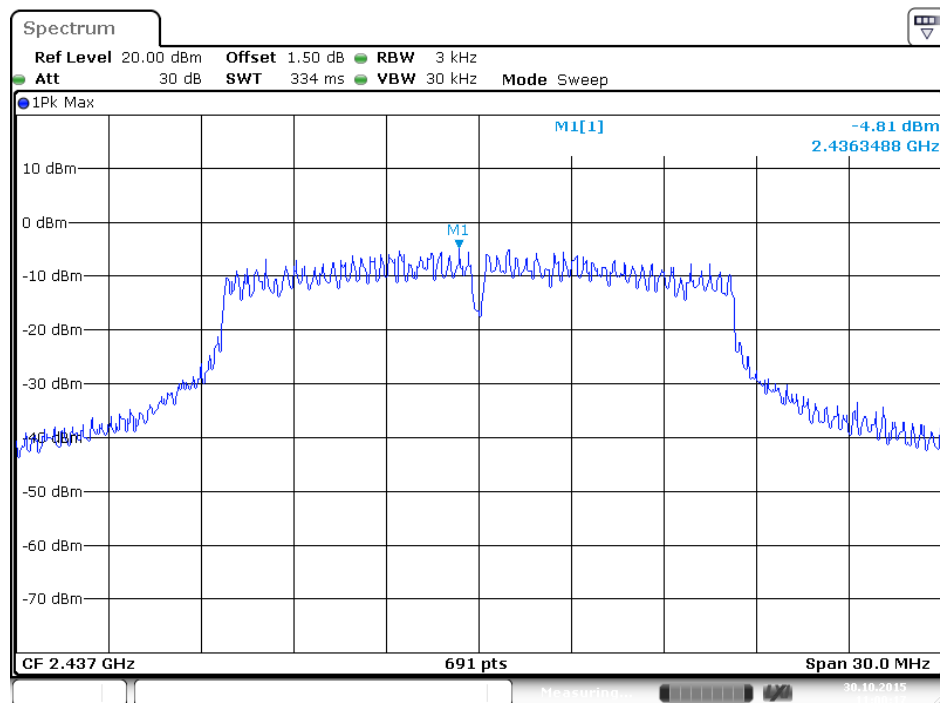
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 3



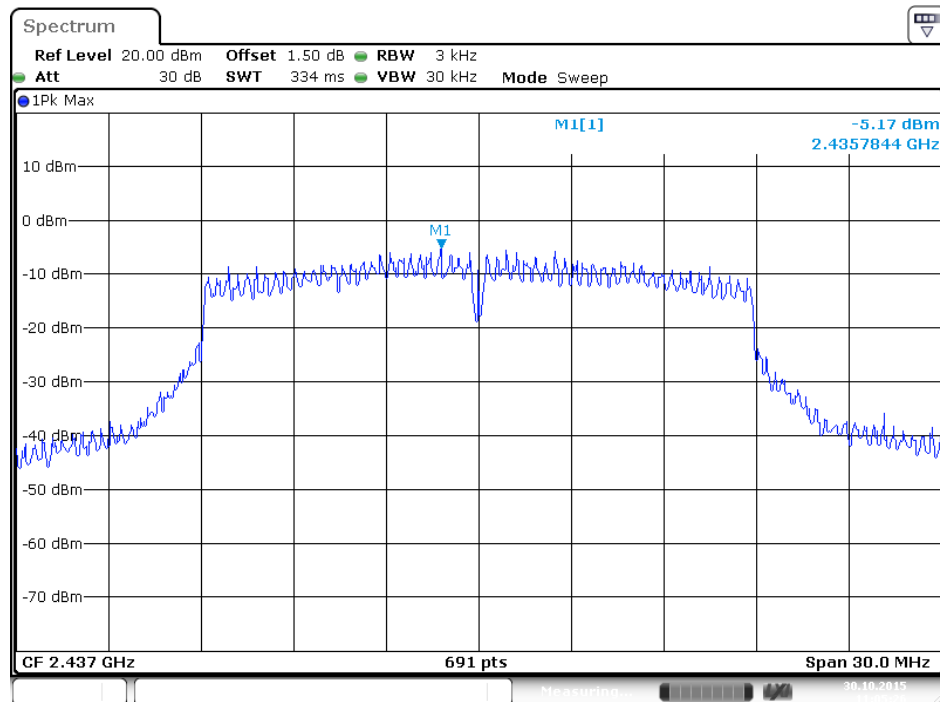
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



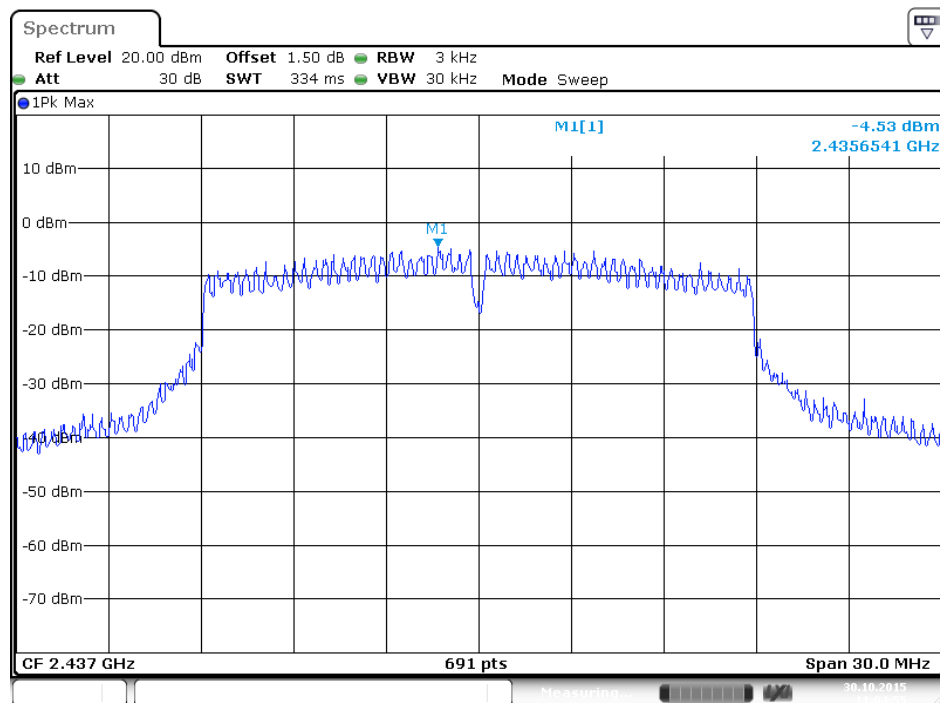
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



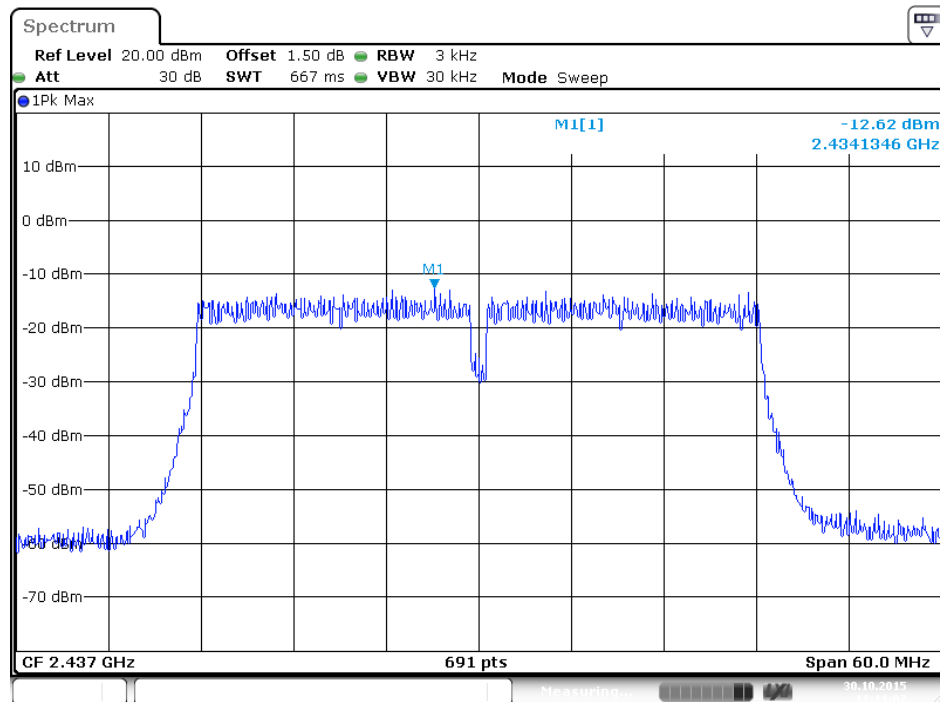
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

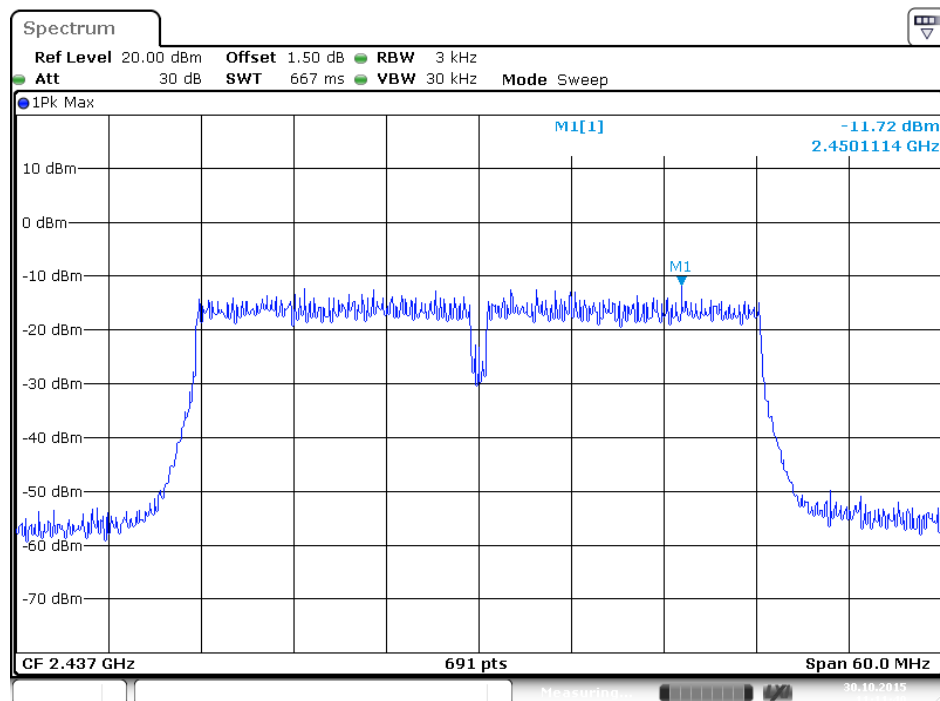


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



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

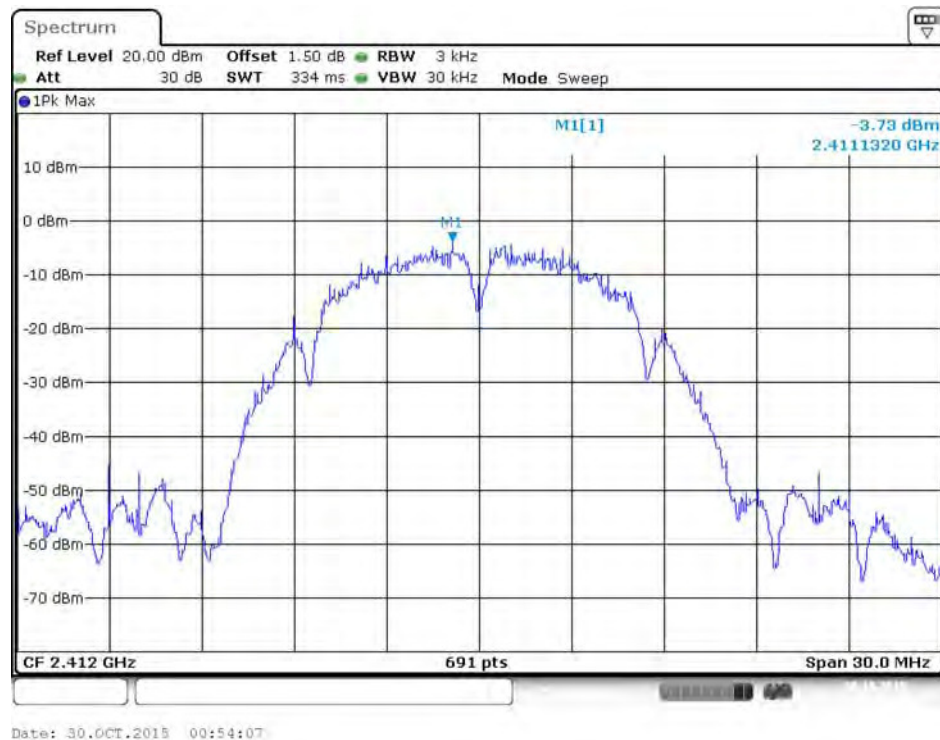
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



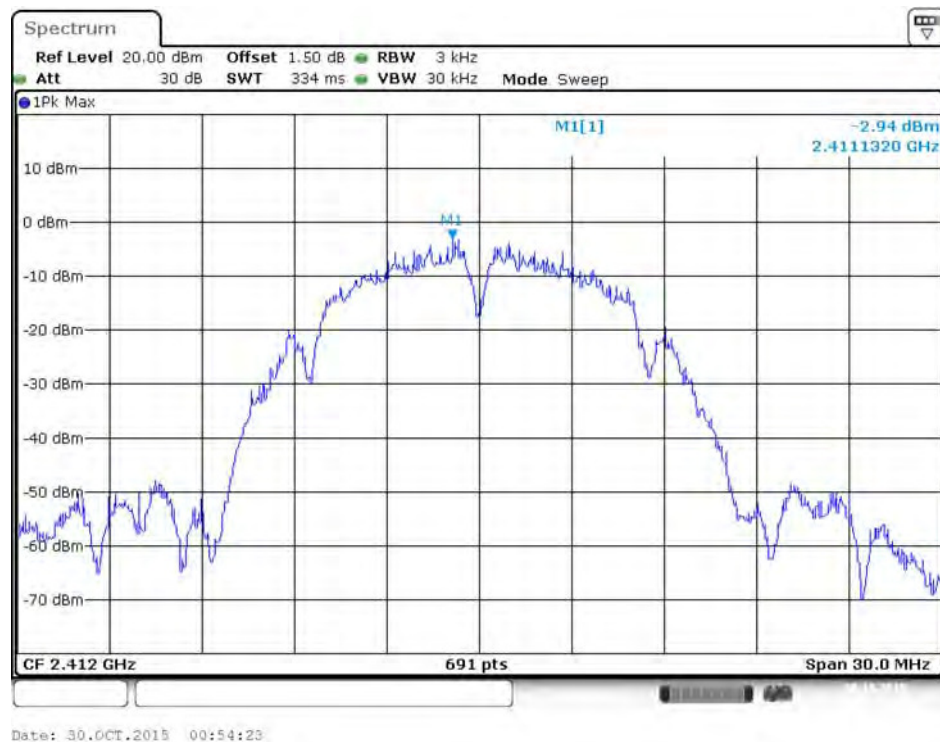
Date: 30.OCT.2015 11:11:40

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

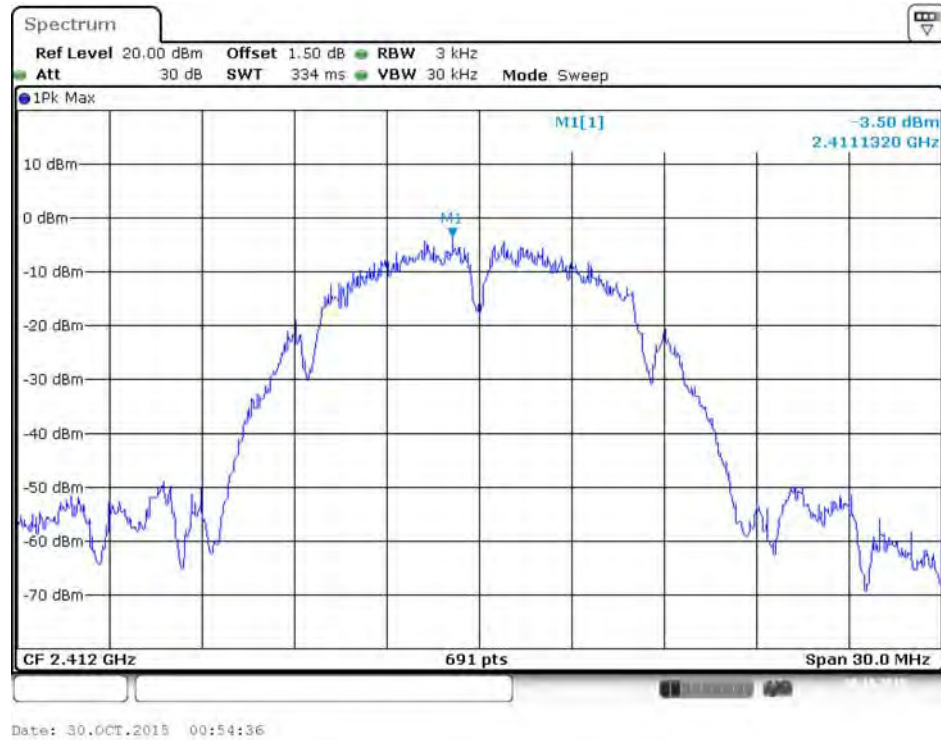
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1



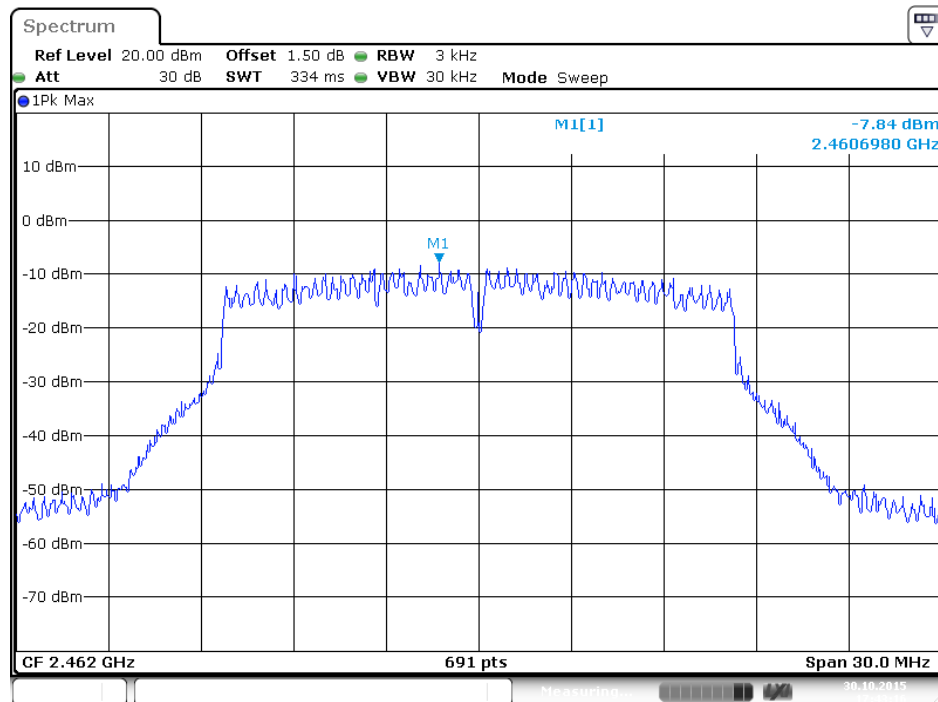
Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 2



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

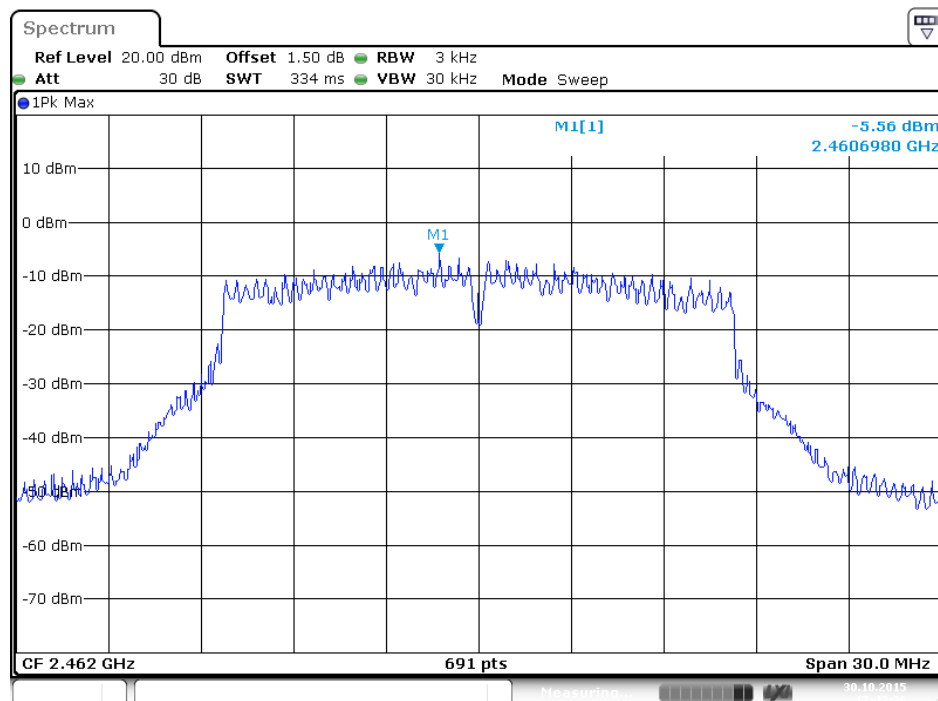


Power Density Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



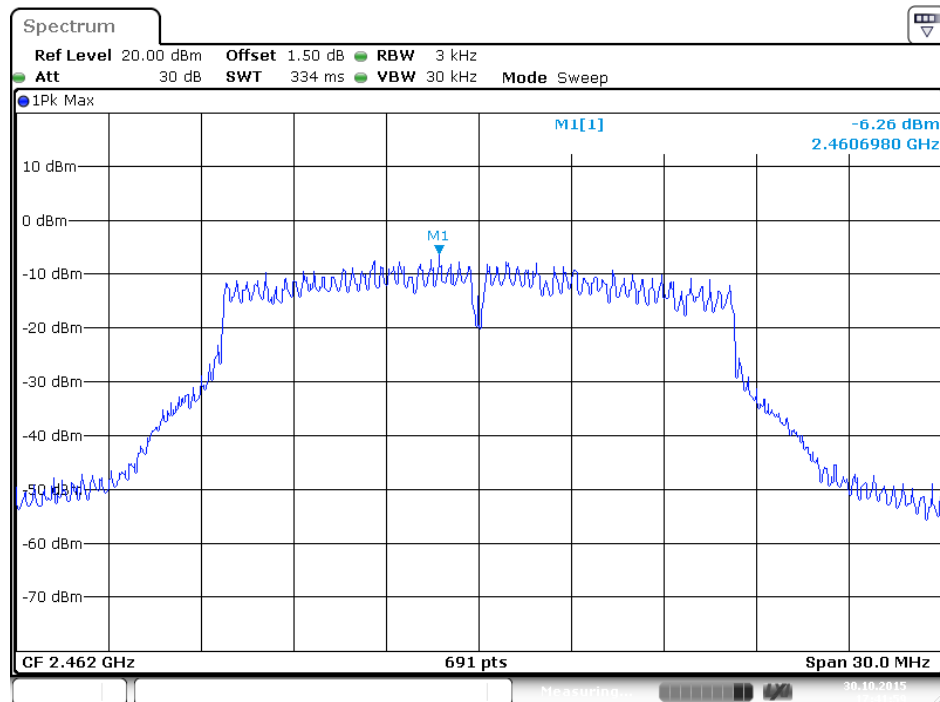
Date: 30 OCT 2015 17:43:16

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



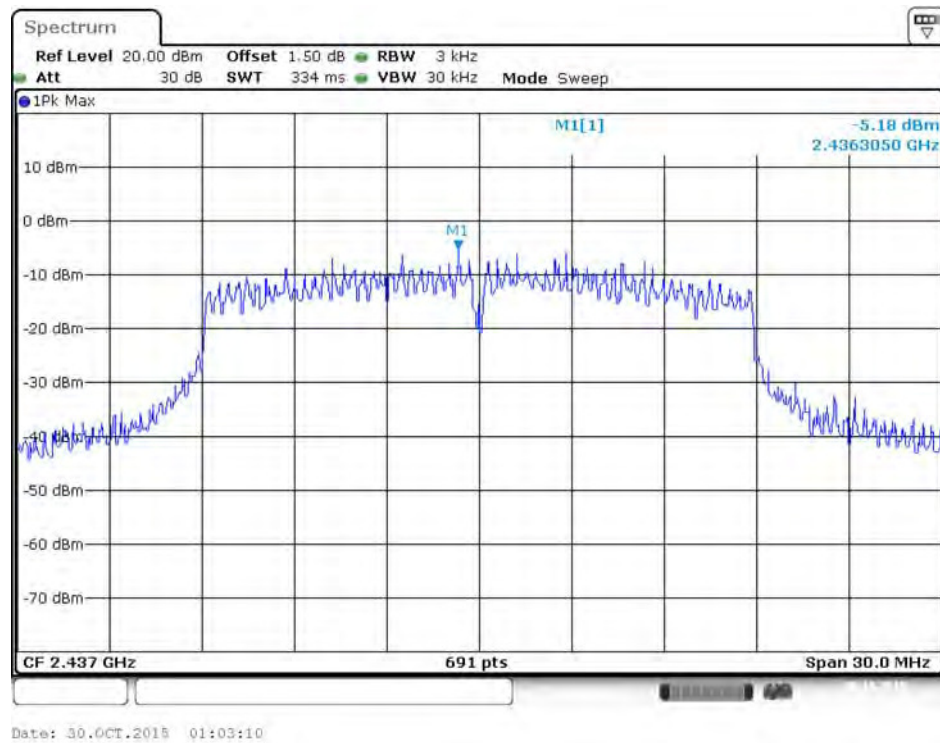
Date: 30 OCT 2015 17:42:36

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

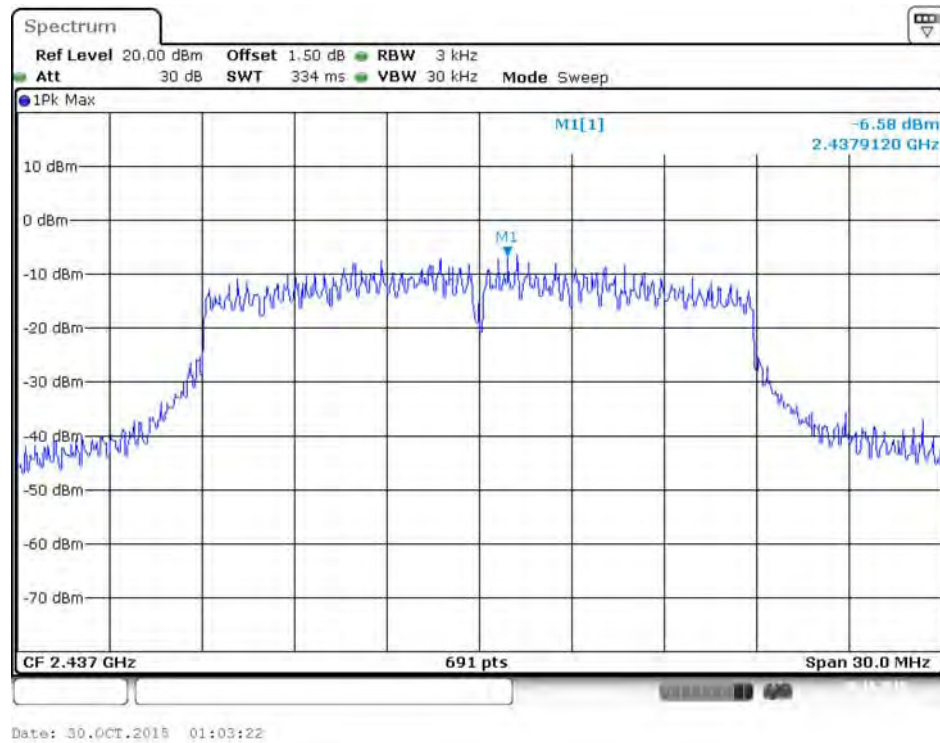


Date: 30 OCT 2015 17:41:59

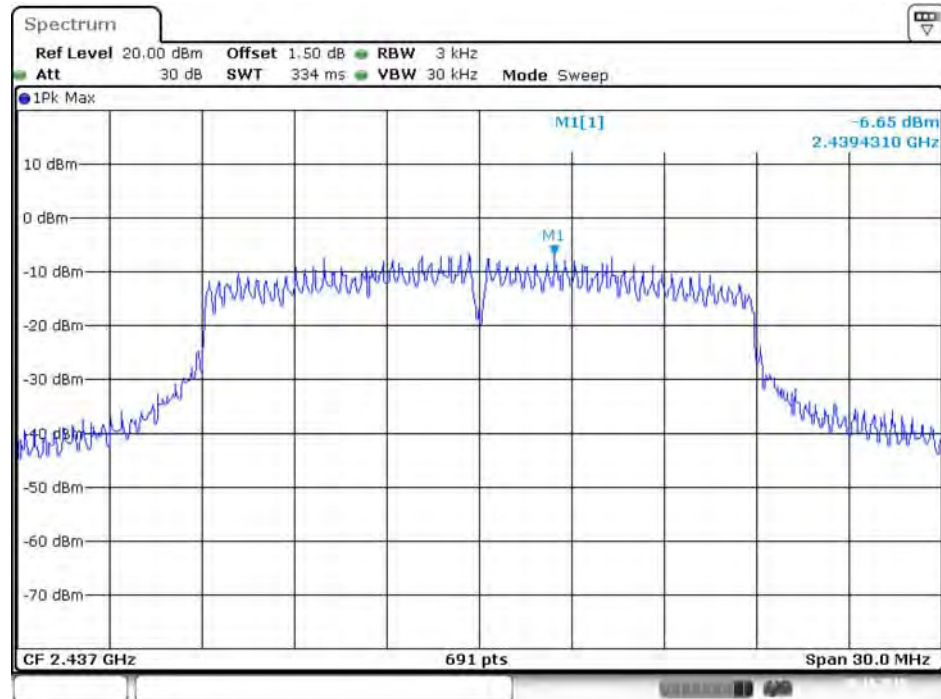
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

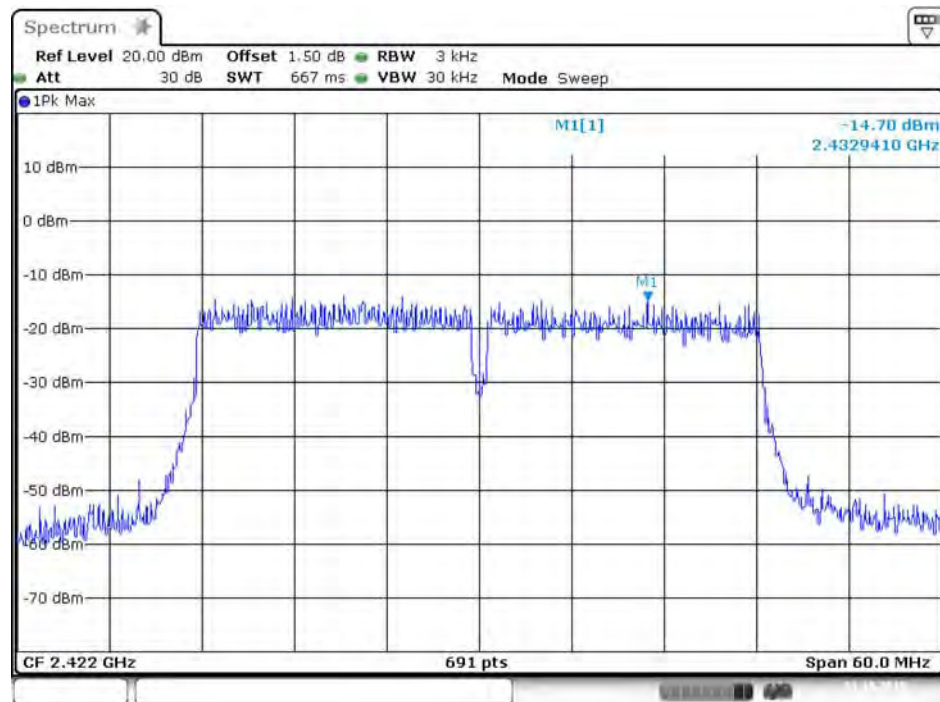


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



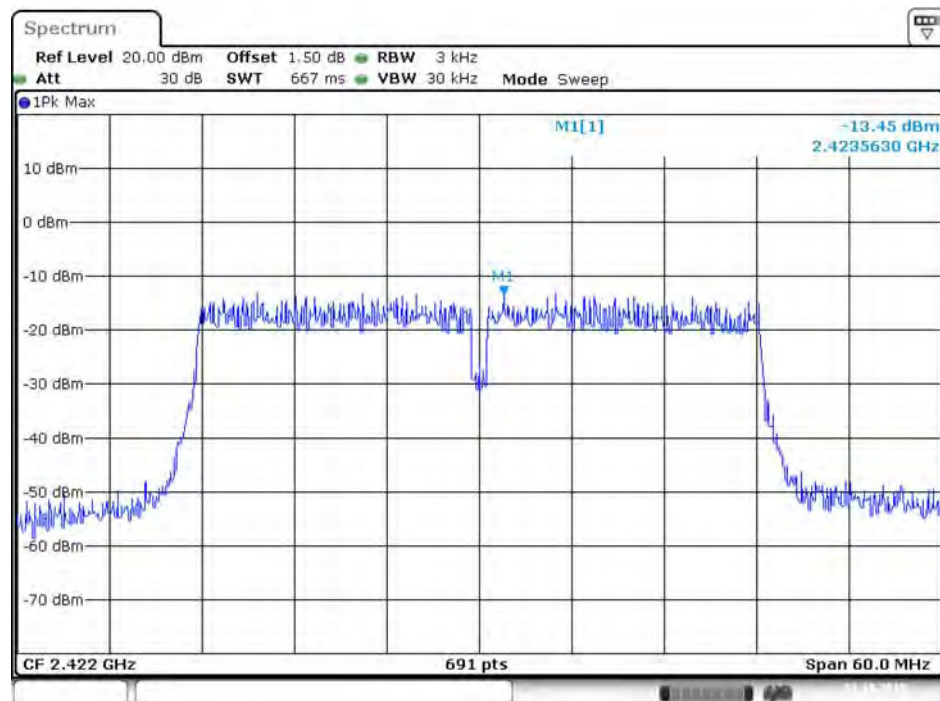
Date: 30.OCT.2015 01:03:34

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



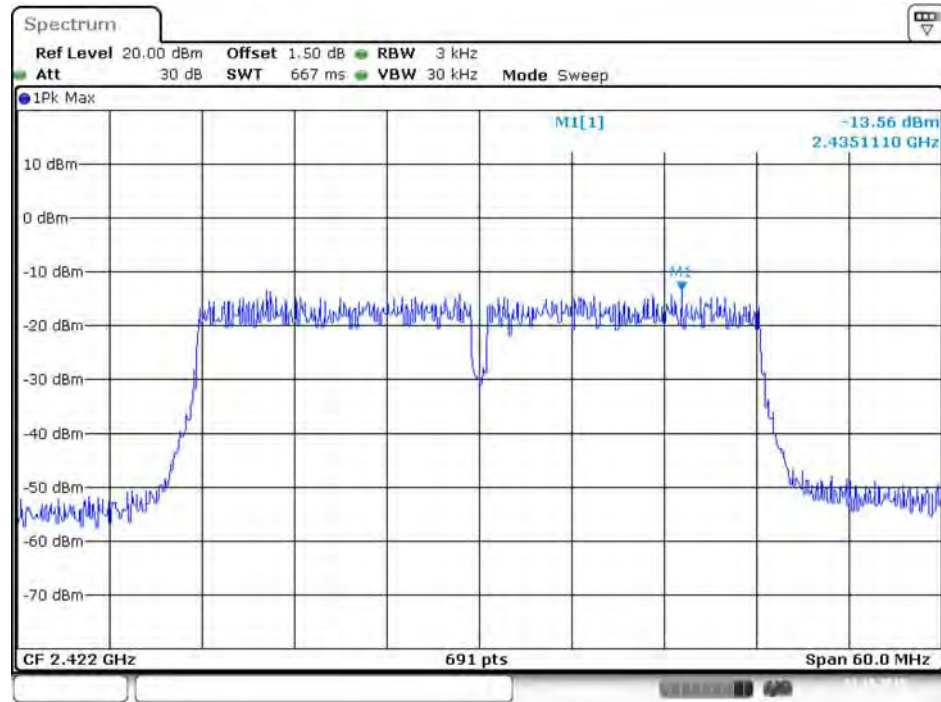
Date: 31.OCT.2015 20:01:14

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



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

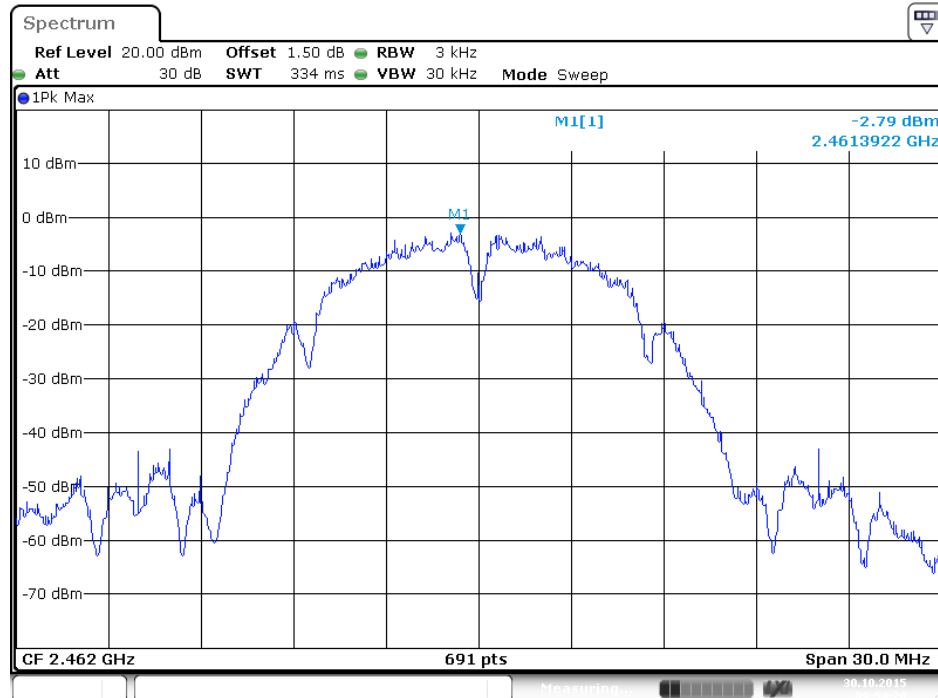
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 3



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

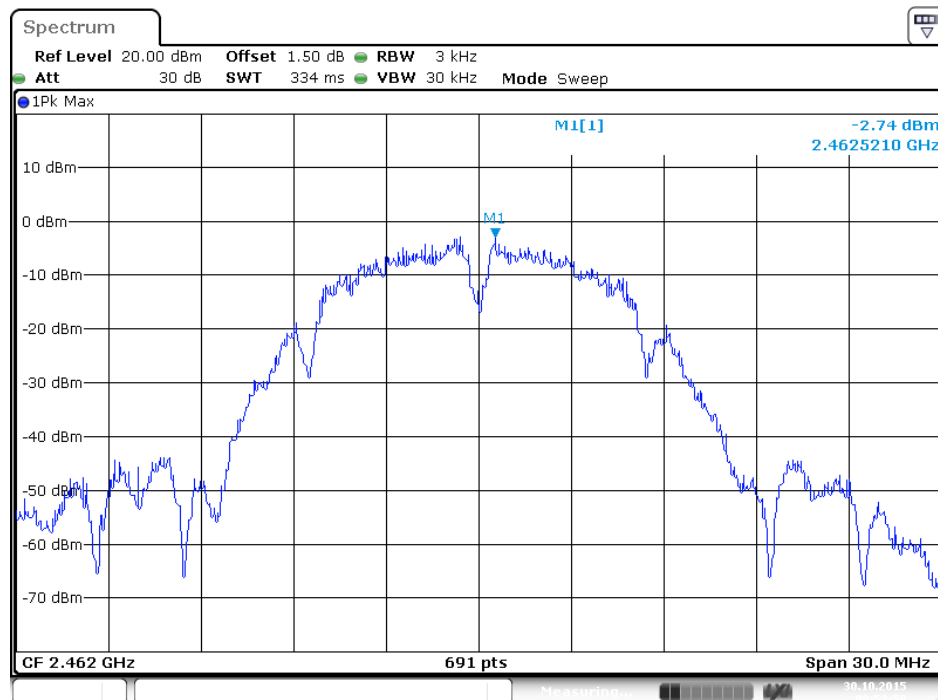
Mode 6 (Set 9 Monopole antenna / Chain 1: 5.2dBi, Chain 2: 3.7dBi, Chain 3: 3.2dBi, Chain 4: 4.5dBi / 4TX)

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



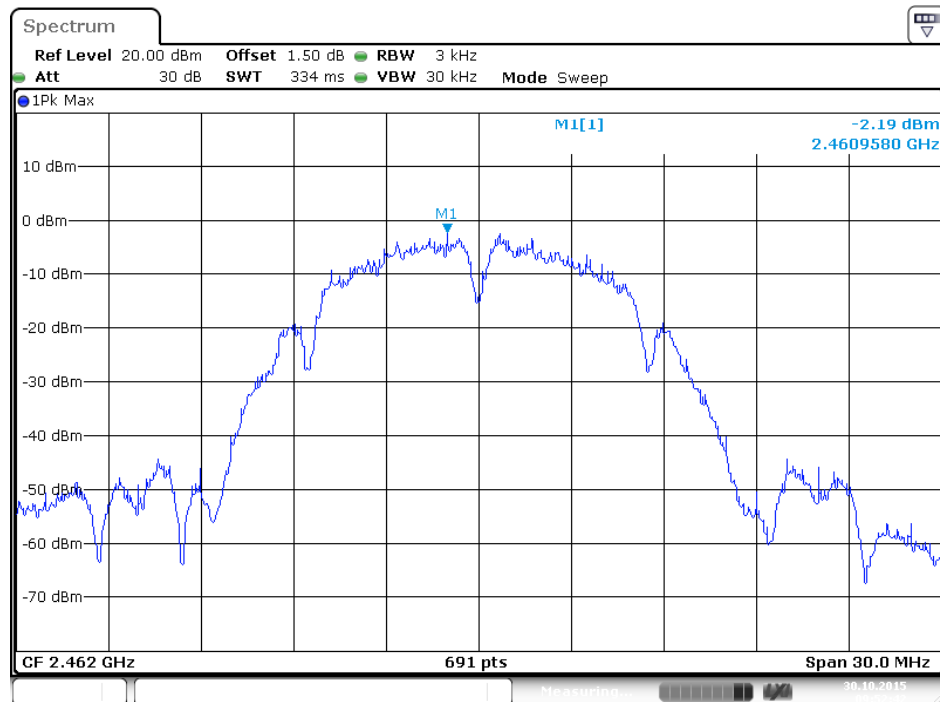
Date: 30.OCT.2015 09:54:28

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



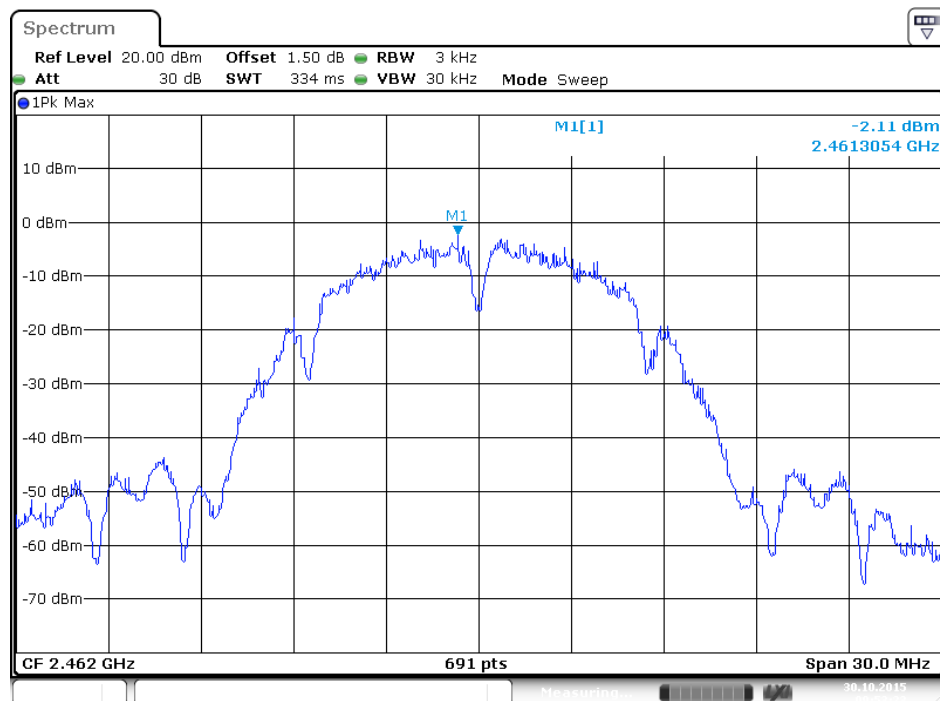
Date: 30.OCT.2015 09:53:50

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



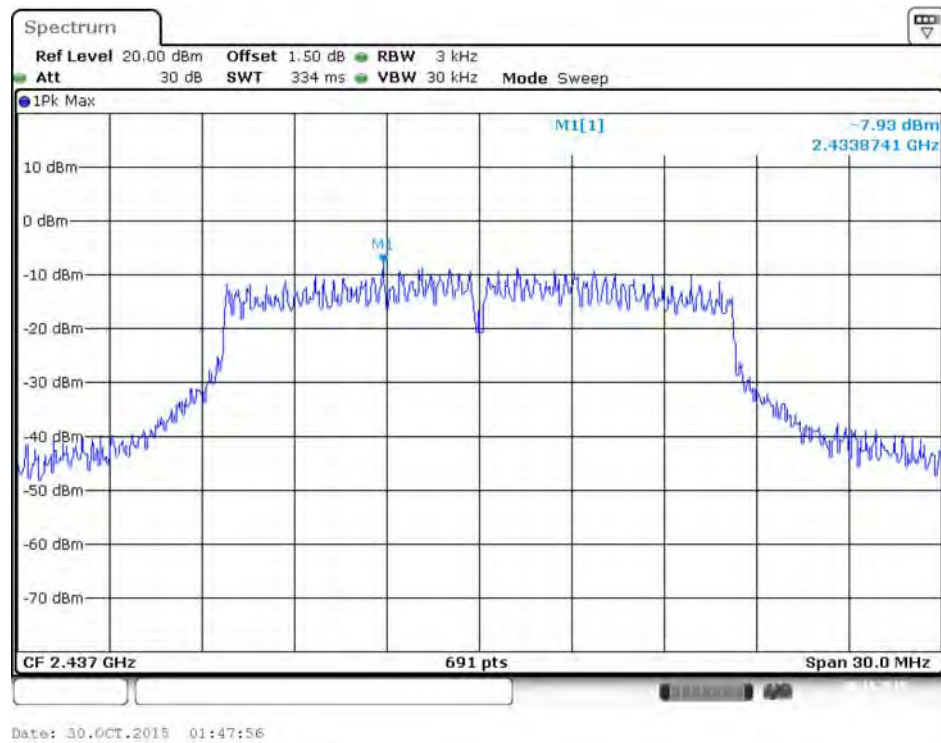
Date: 30.OCT.2015 09:52:42

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

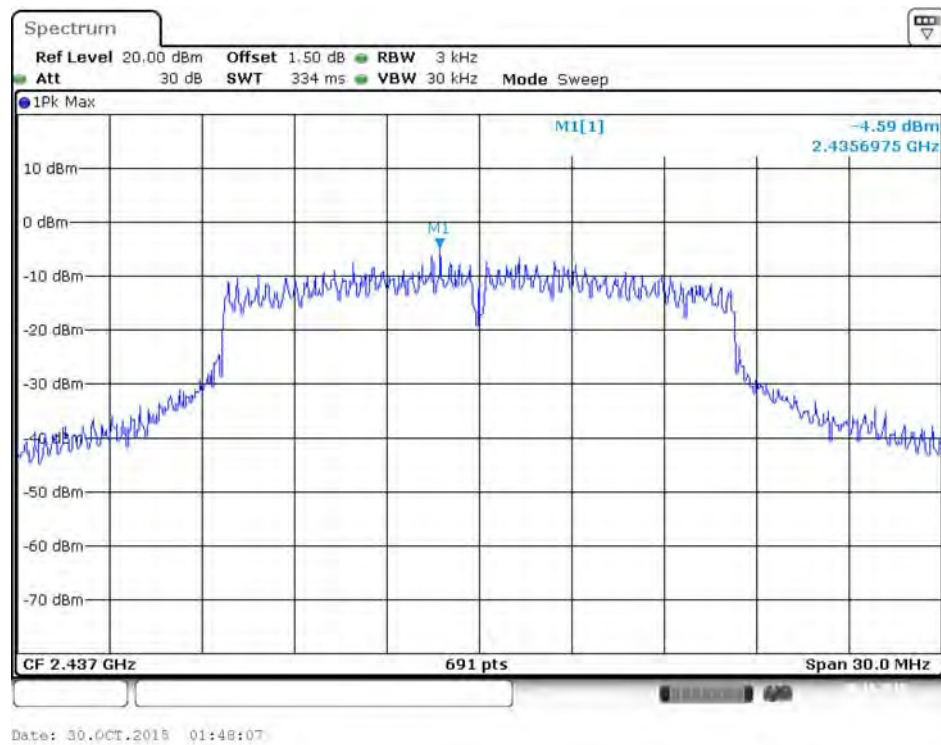


Date: 30.OCT.2015 09:53:22

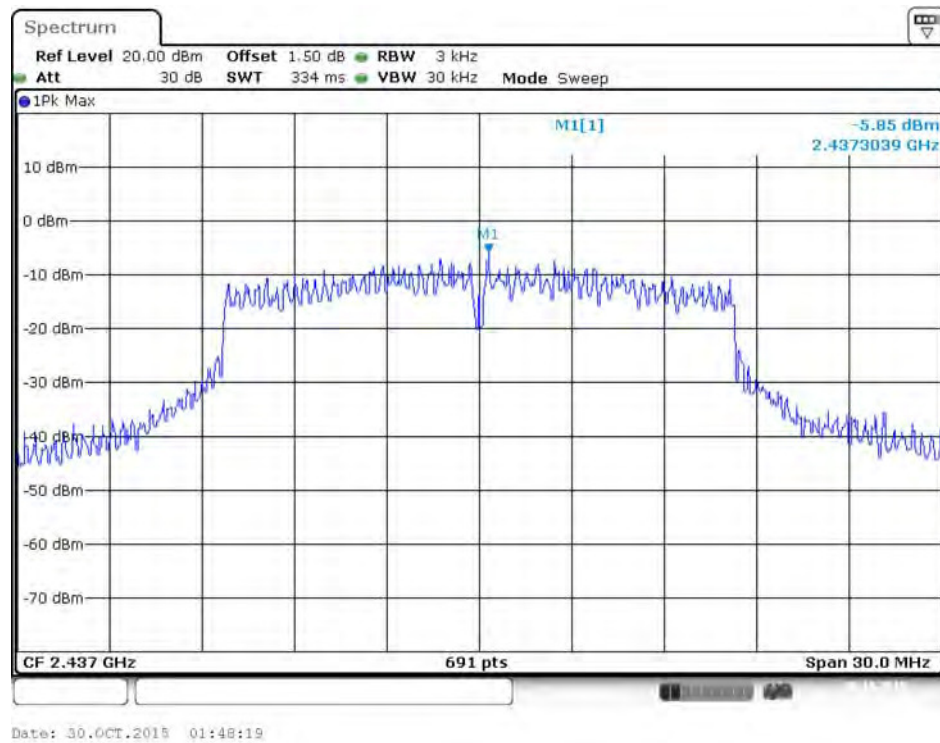
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



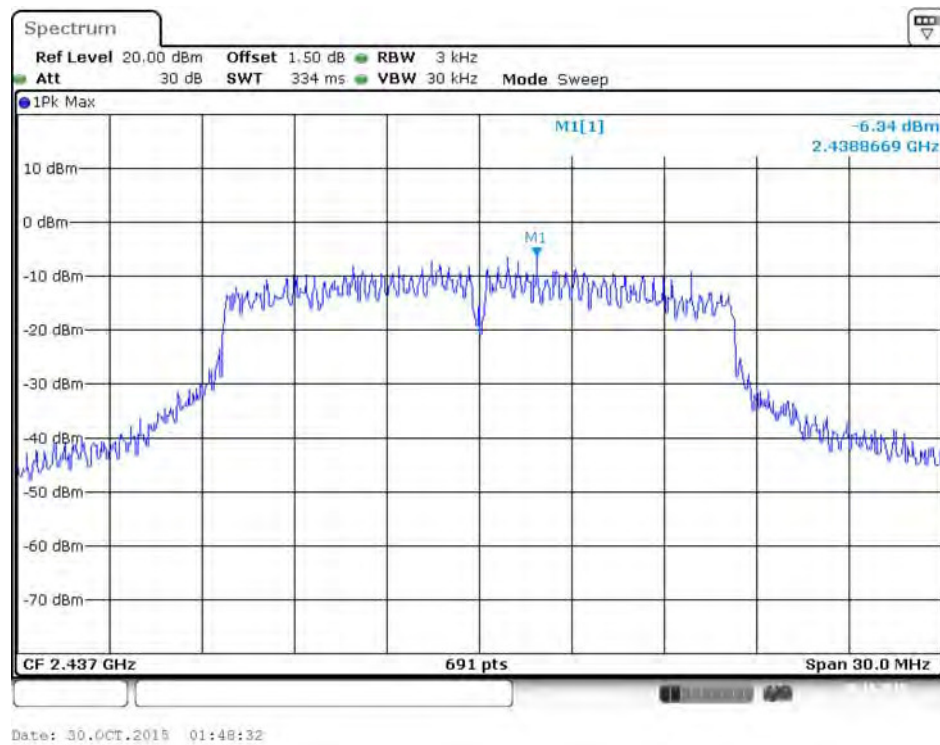
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 2



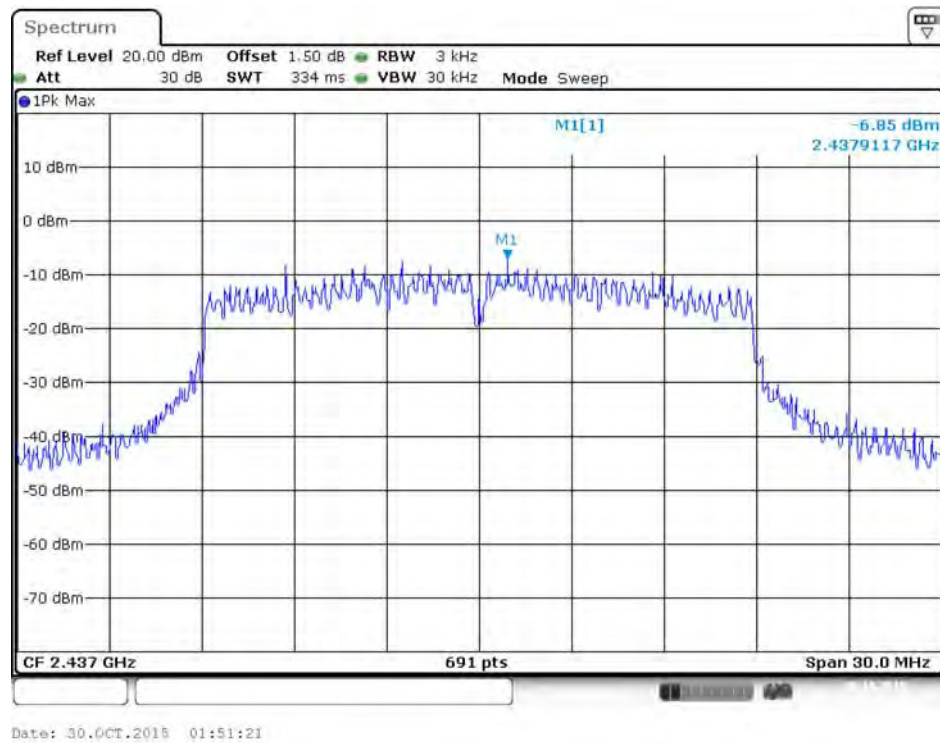
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 3



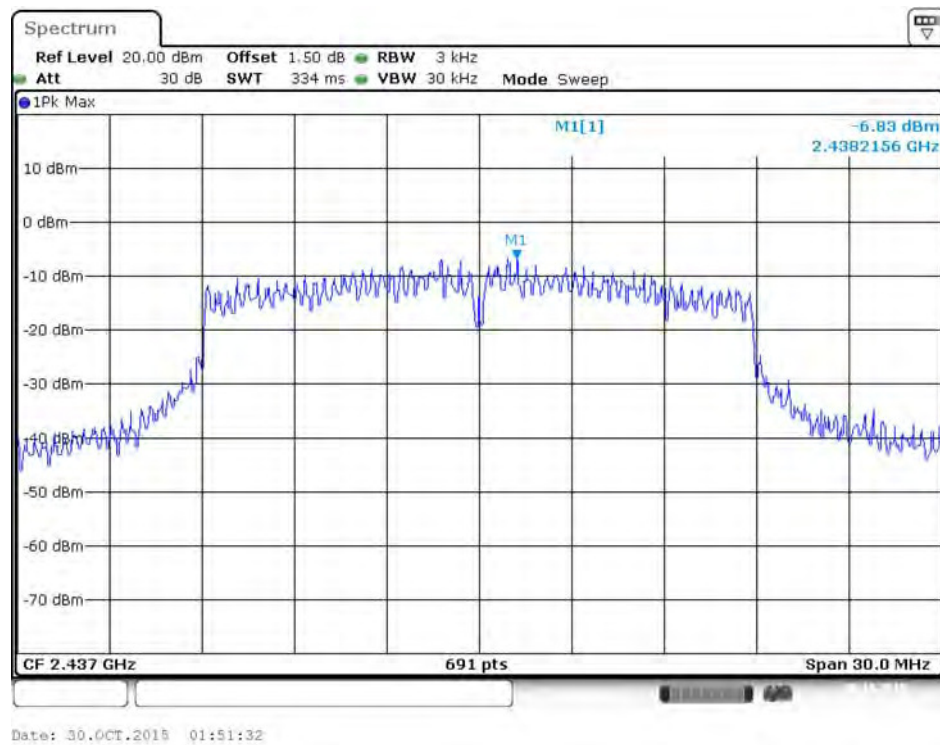
Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 4



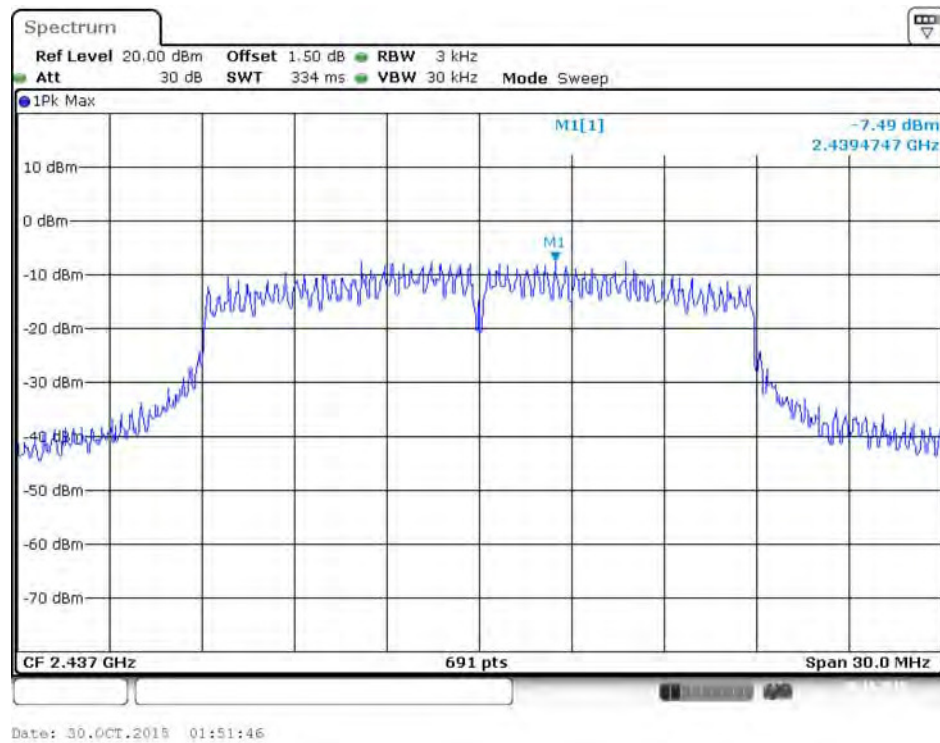
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



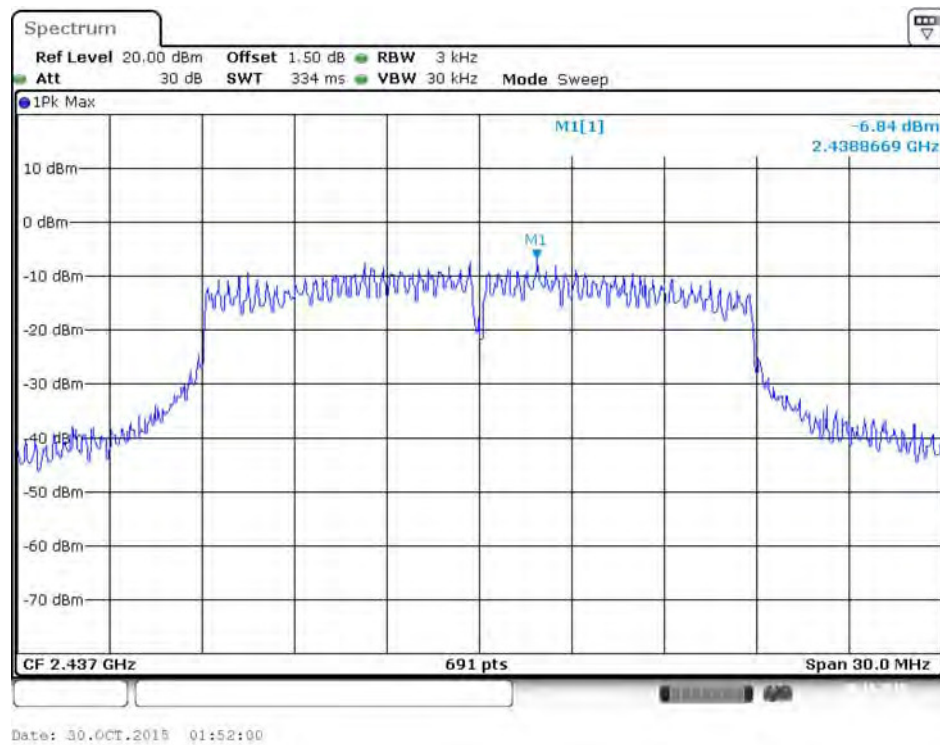
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



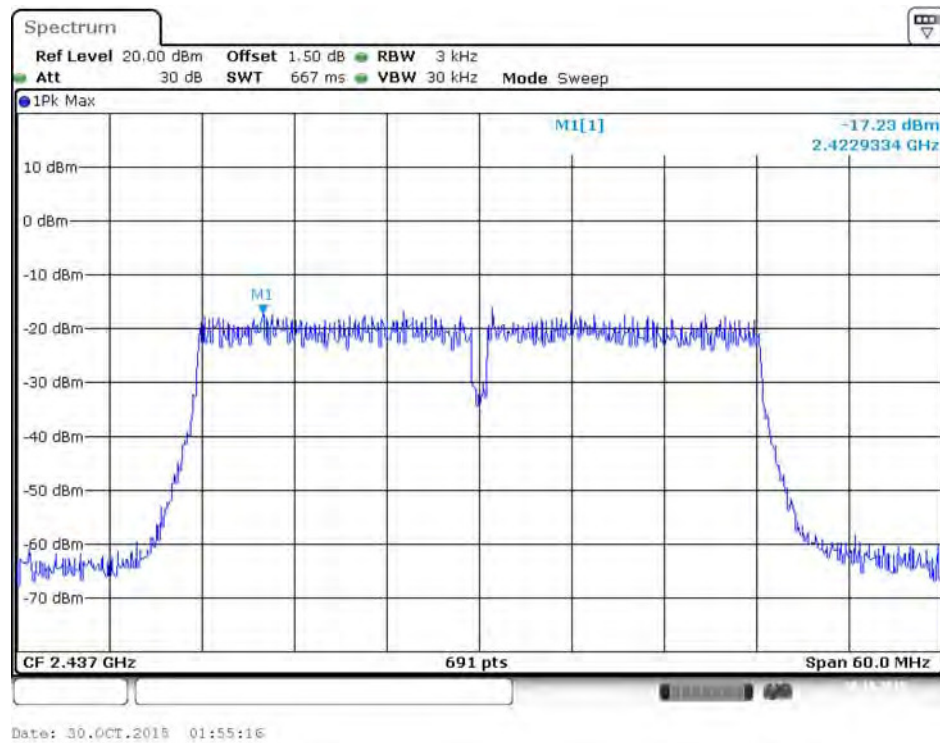
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



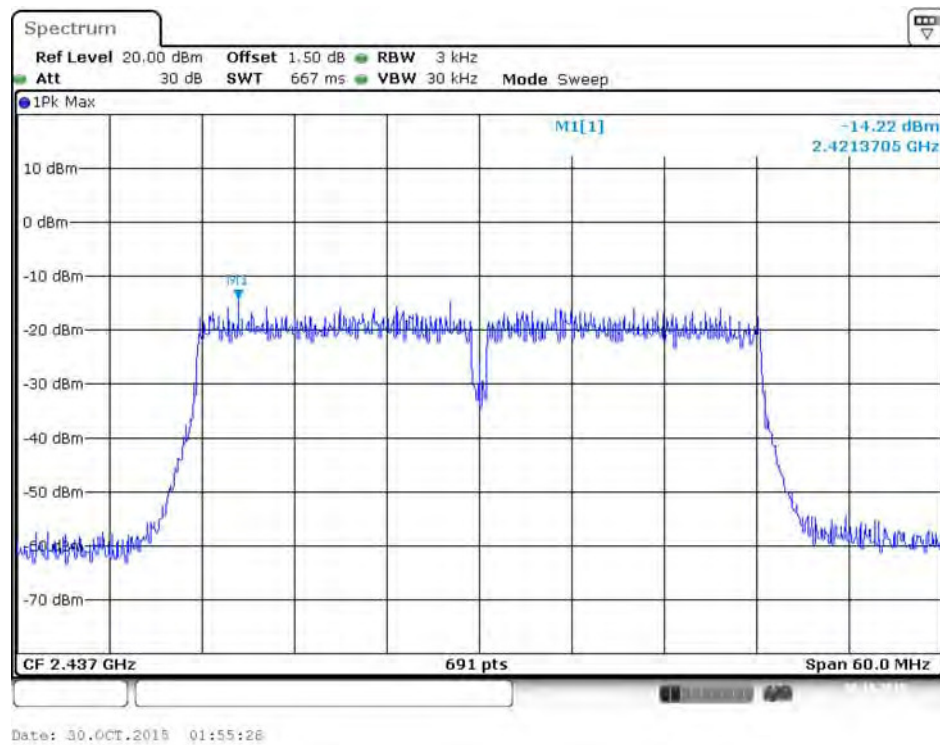
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



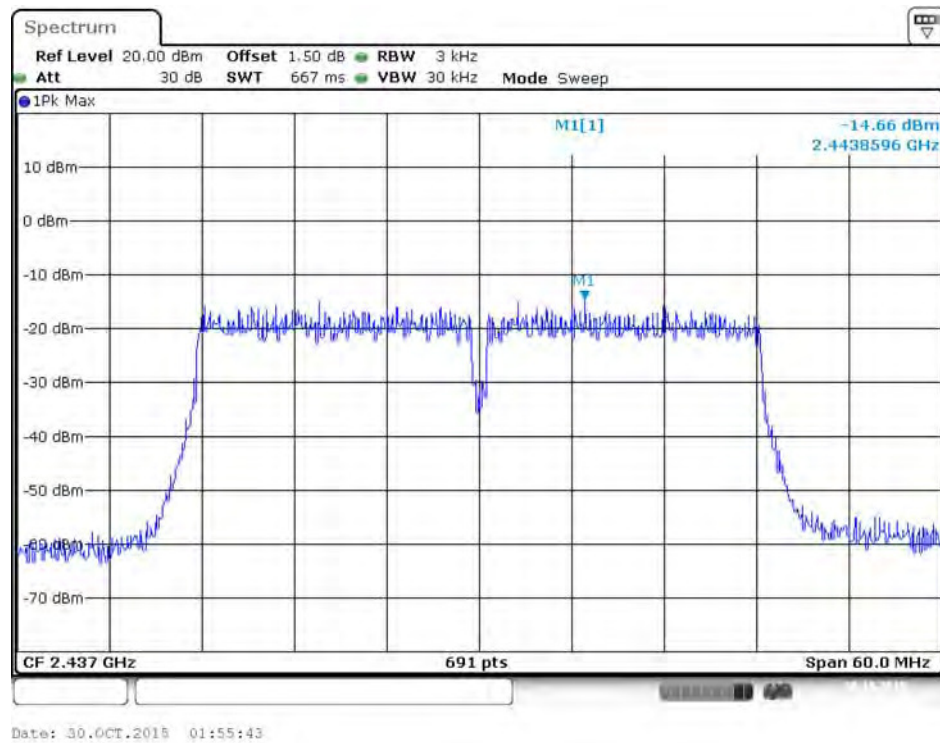
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



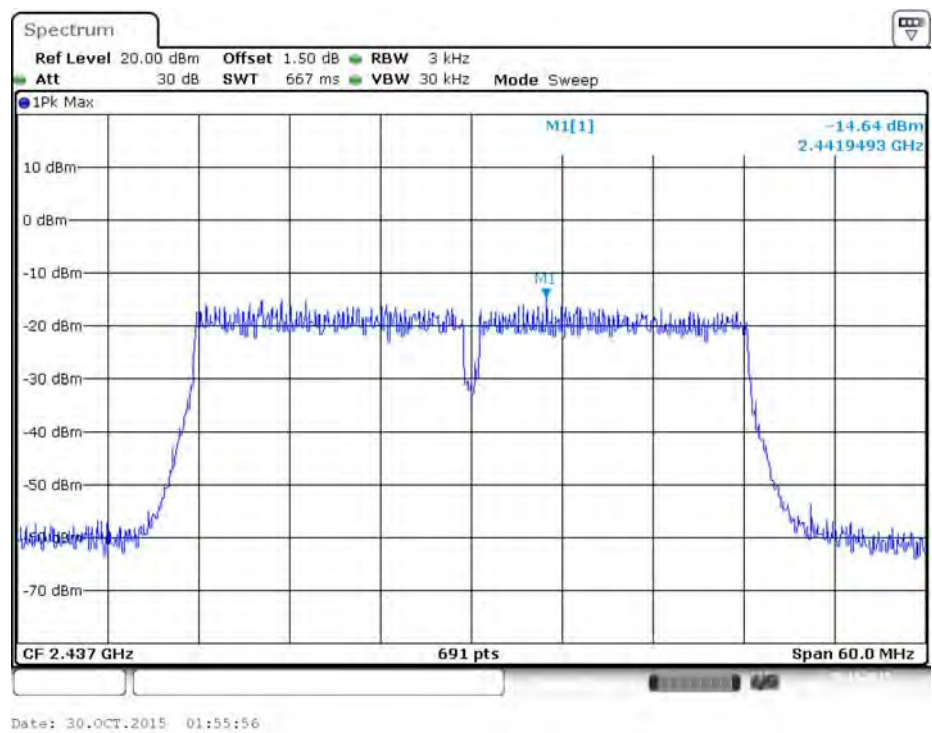
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



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



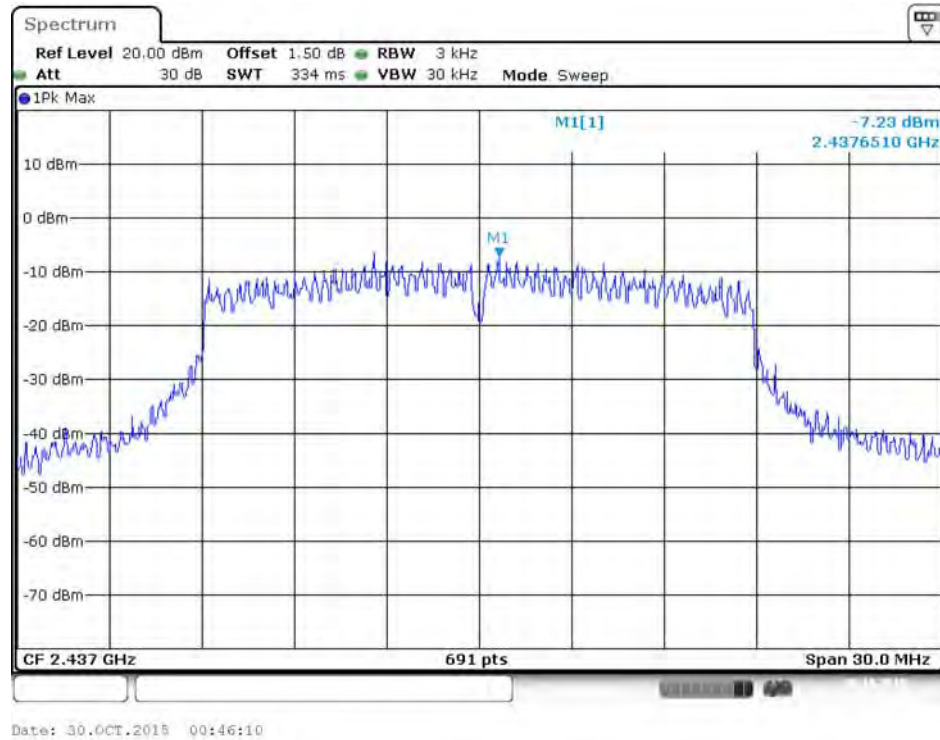
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



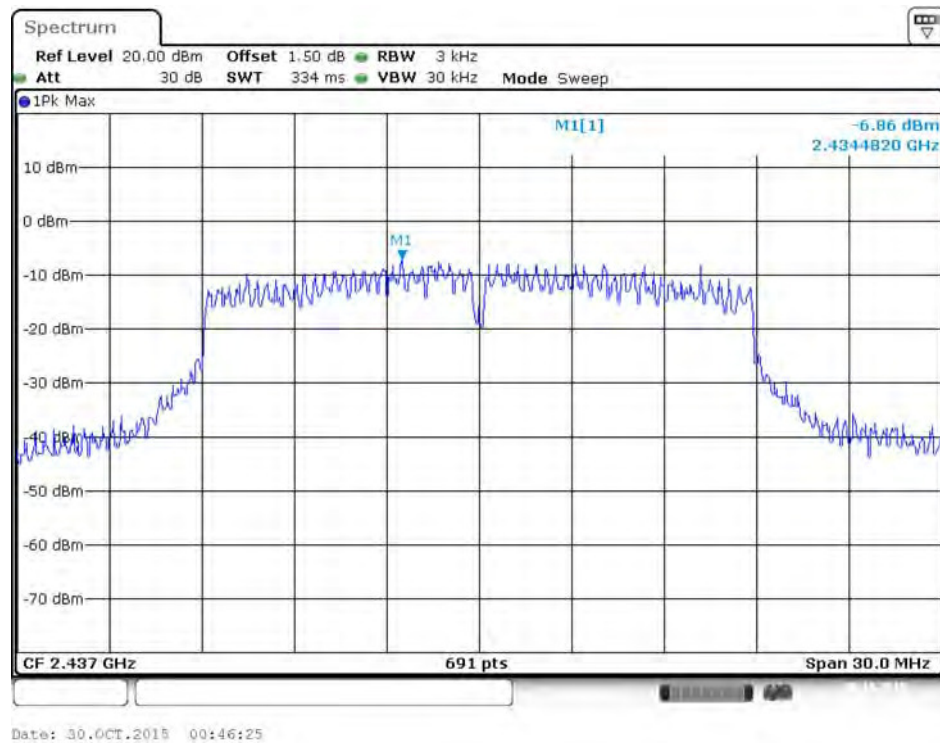
For Beamforming Mode

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

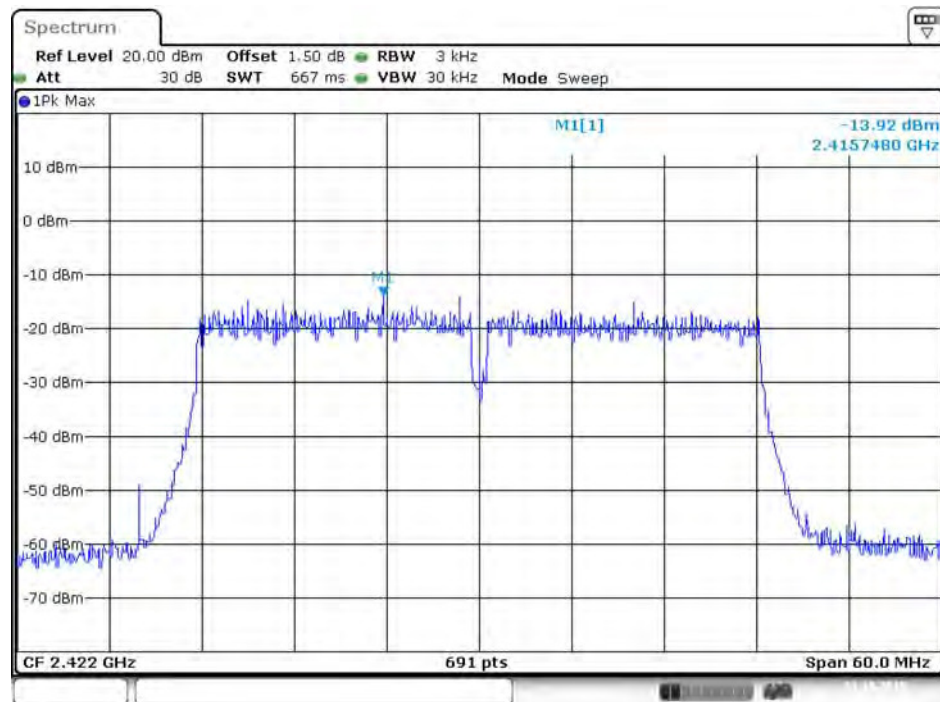
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

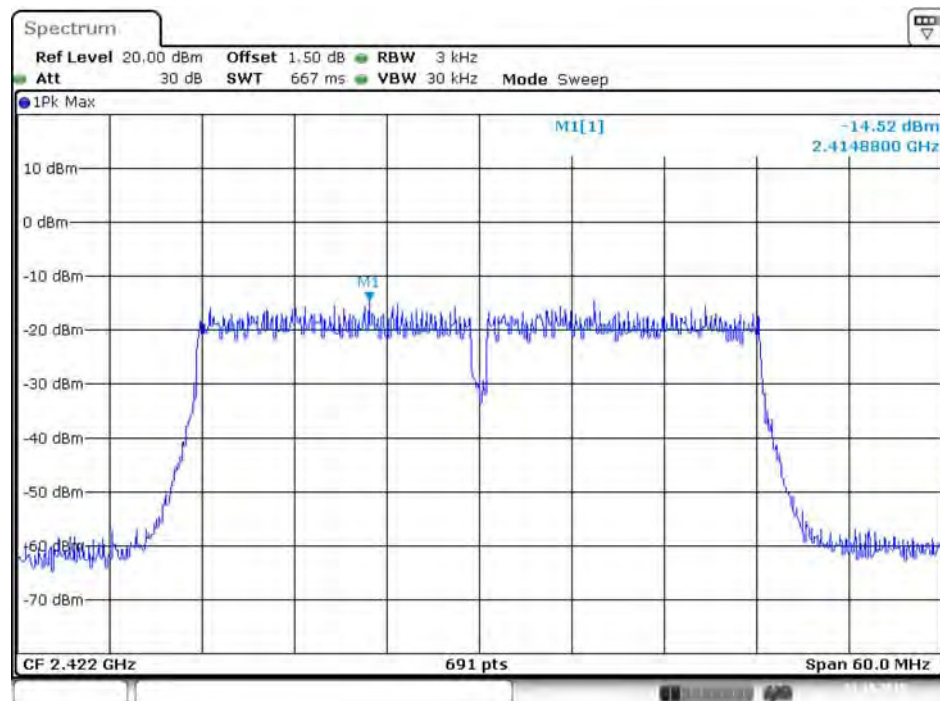


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



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

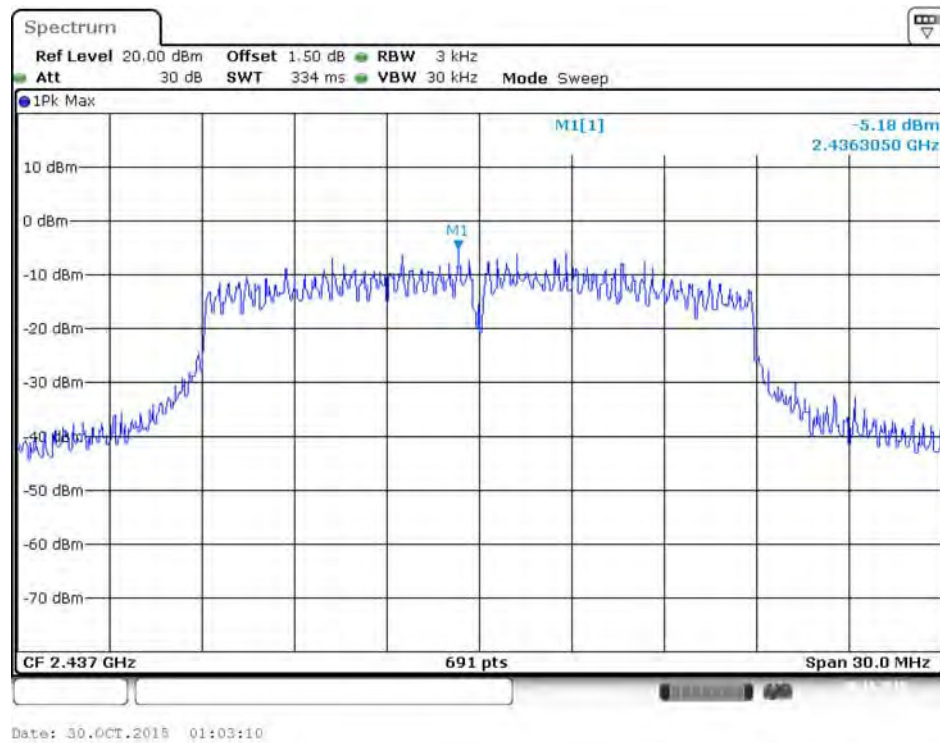
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



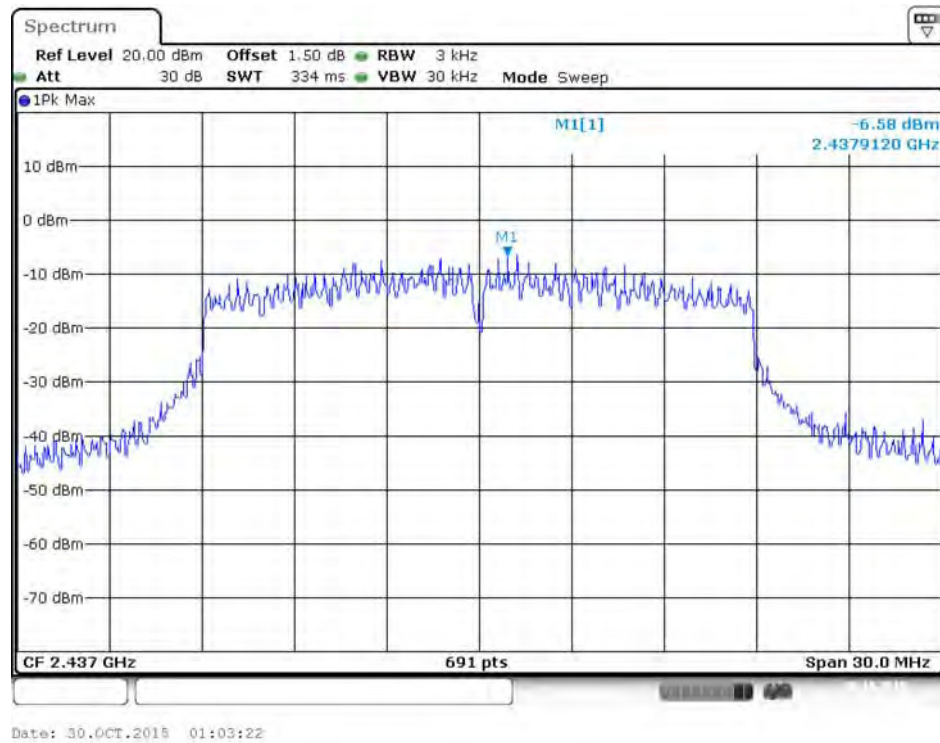
Date: 31.OCT.2015 22:31:27

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

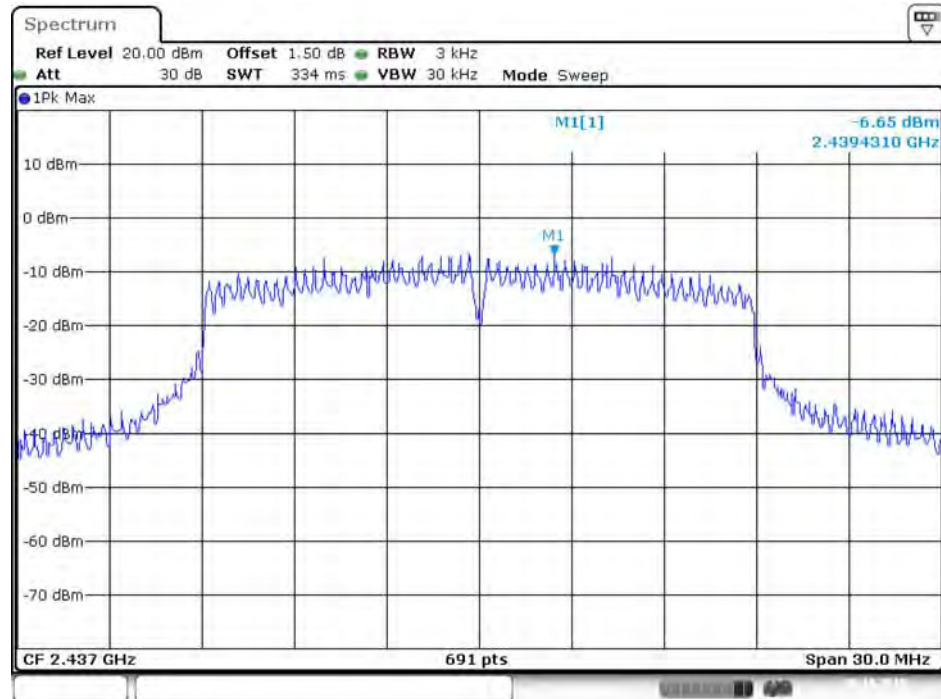
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

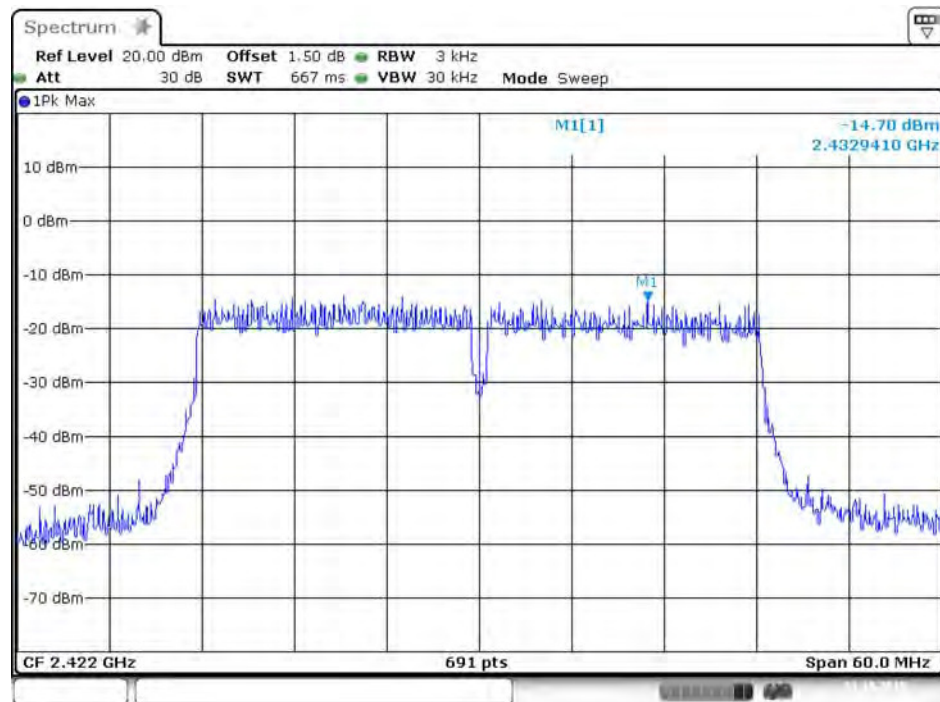


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



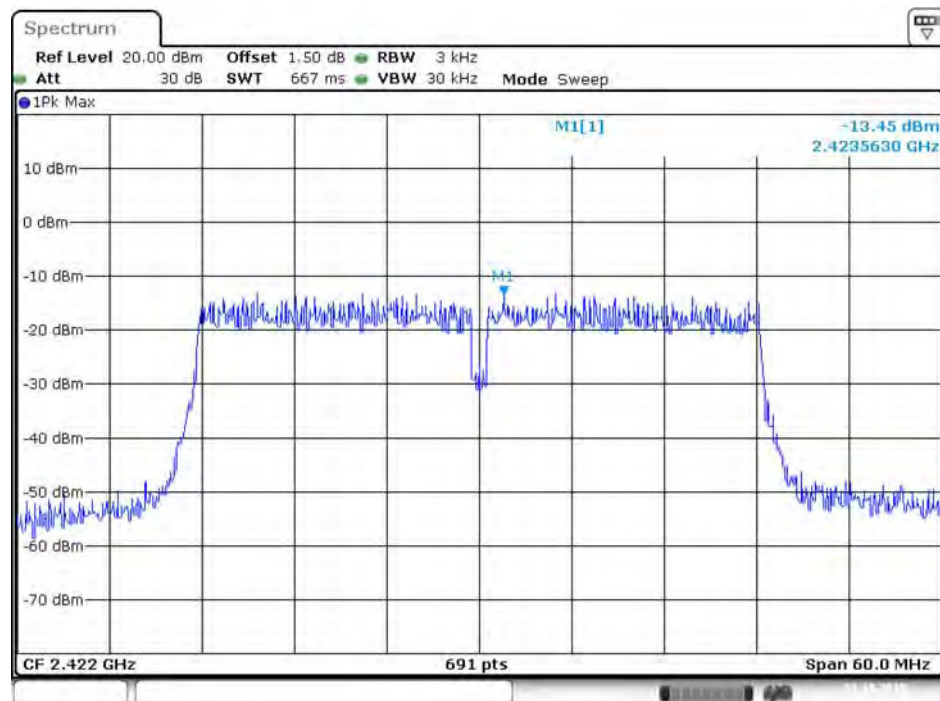
Date: 30.OCT.2015 01:03:34

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



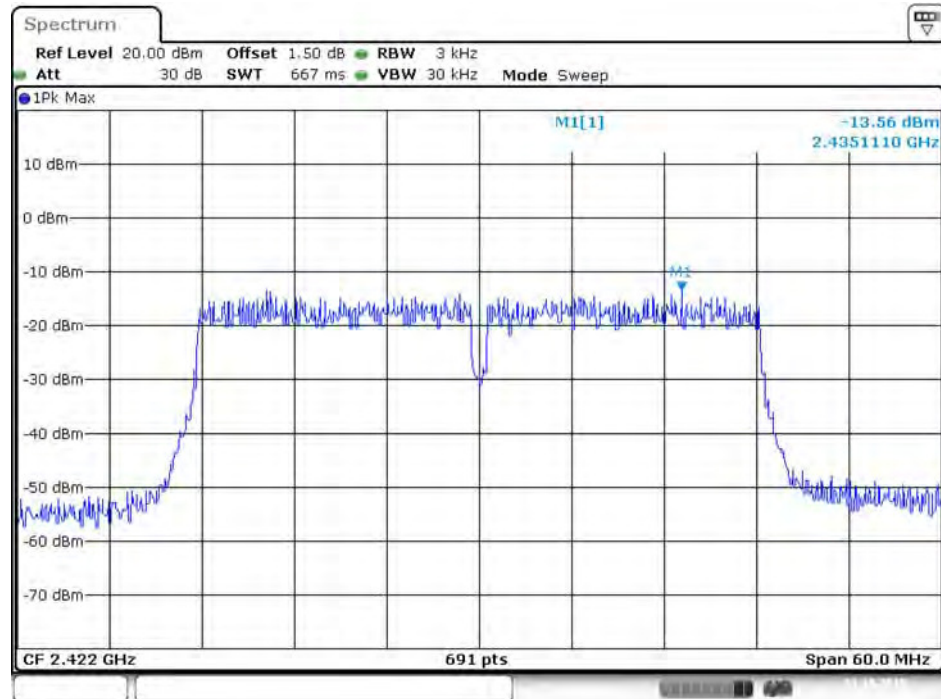
Date: 31.OCT.2015 20:01:14

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



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

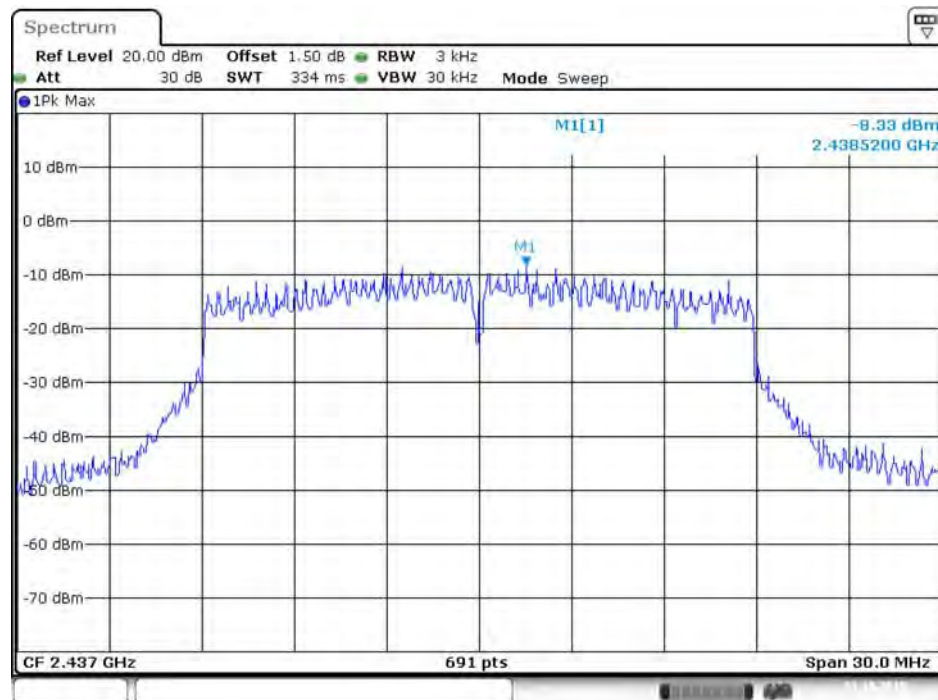
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 3



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

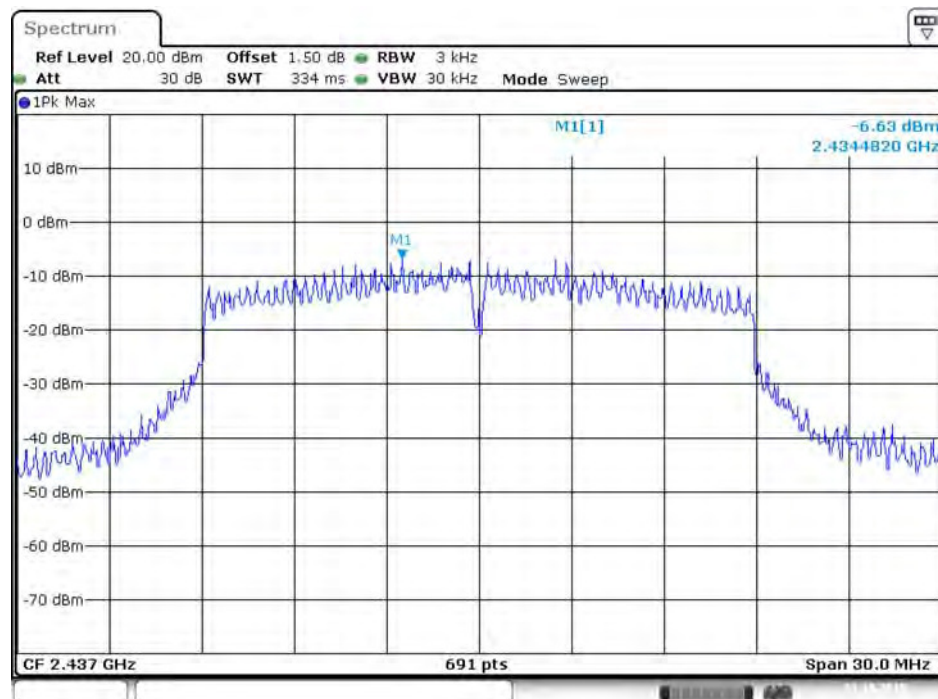
Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

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



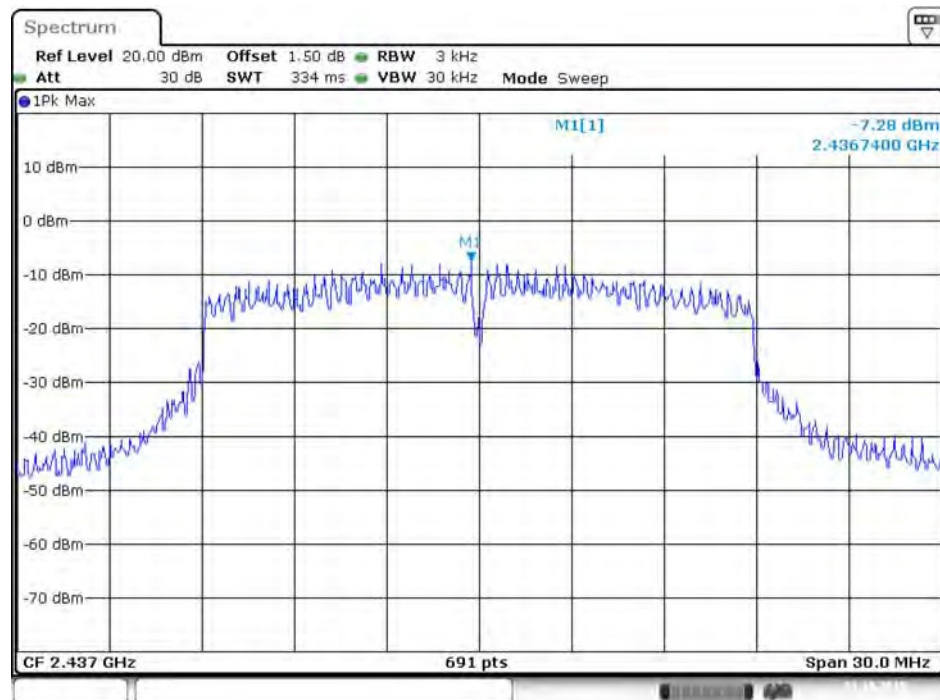
Date: 31.OCT.2015 22:35:06

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



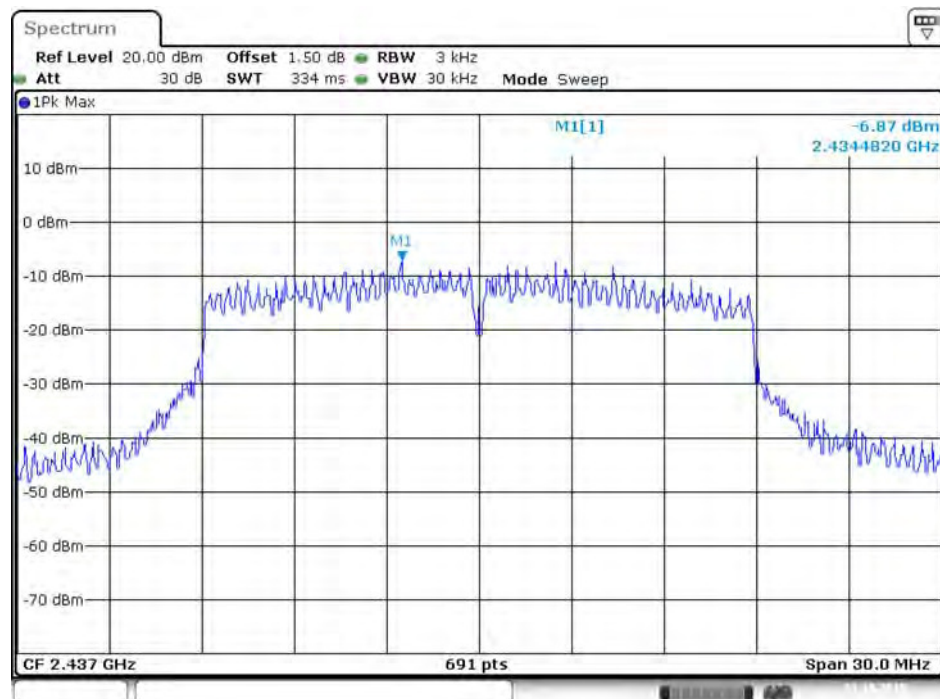
Date: 31.OCT.2015 22:35:22

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



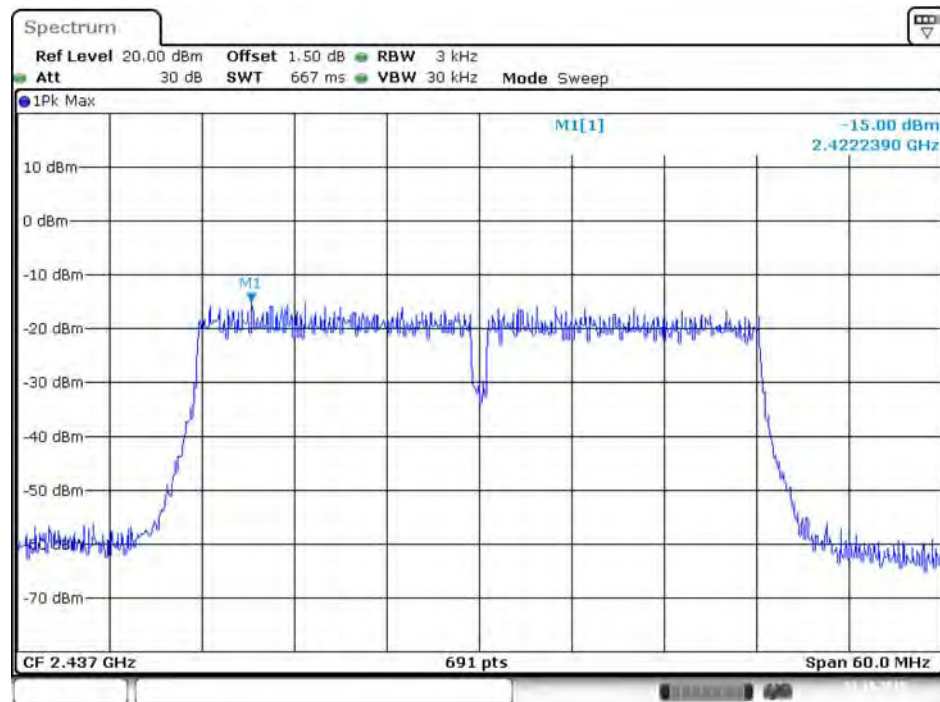
Date: 31.OCT.2015 22:35:32

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



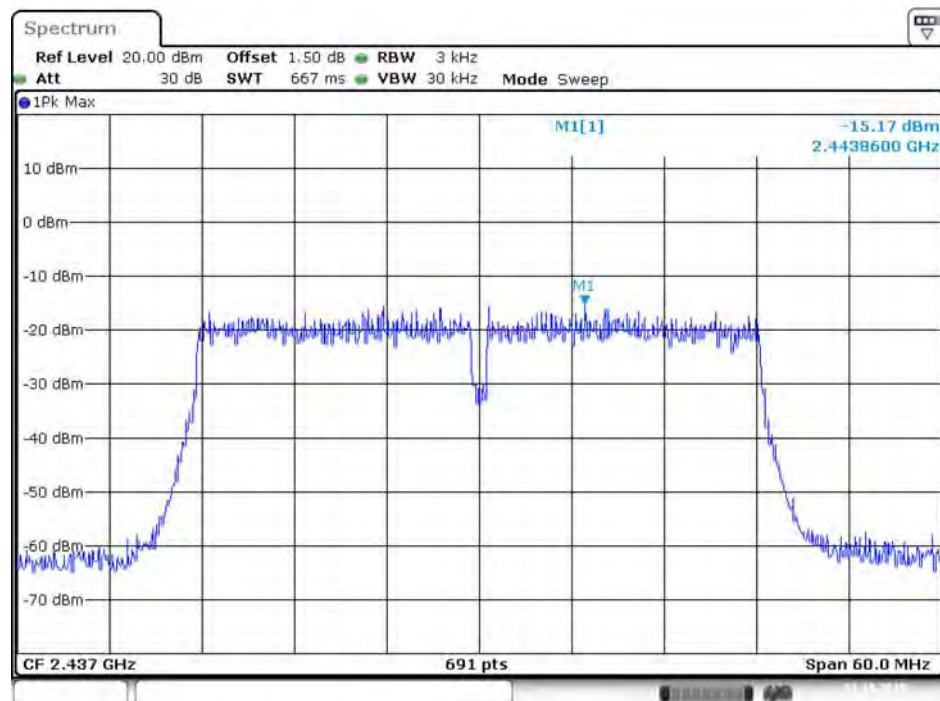
Date: 31.OCT.2015 22:35:43

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



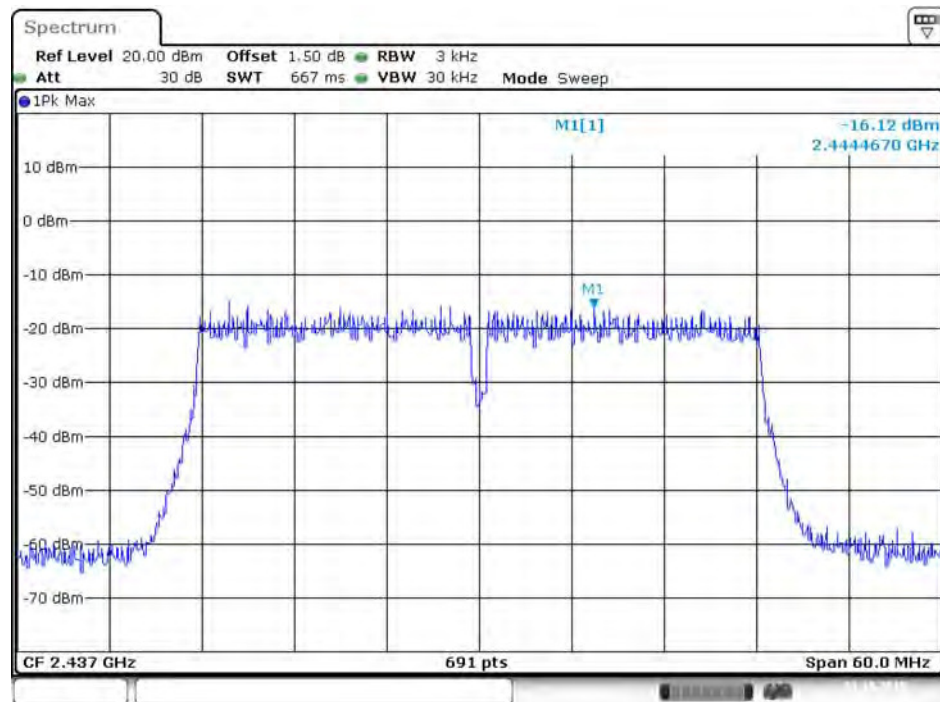
Date: 31.OCT.2015 22:36:31

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



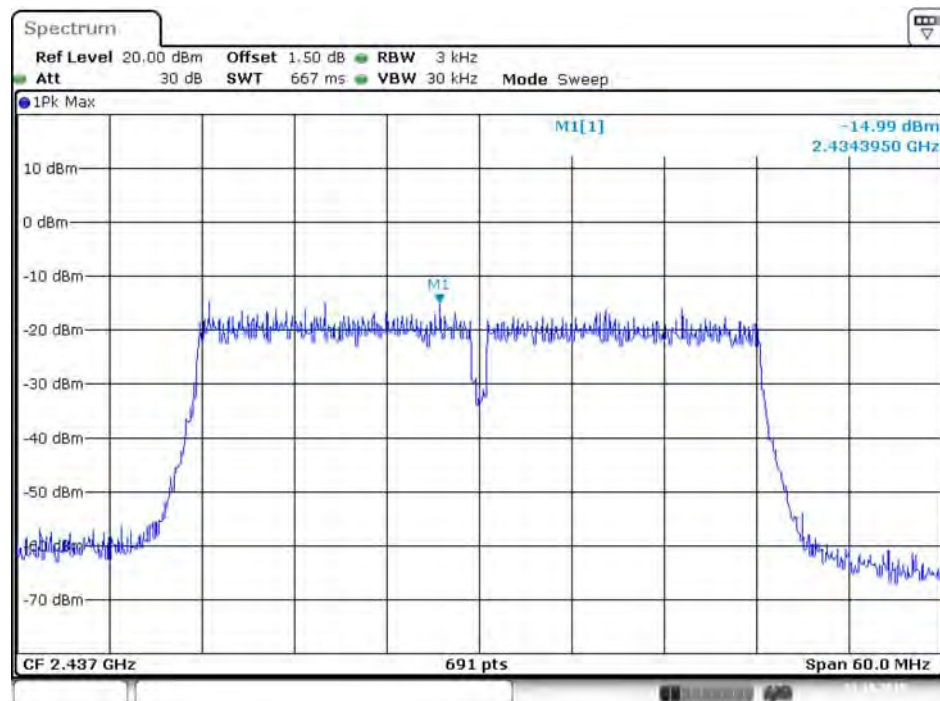
Date: 31.OCT.2015 22:36:42

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



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

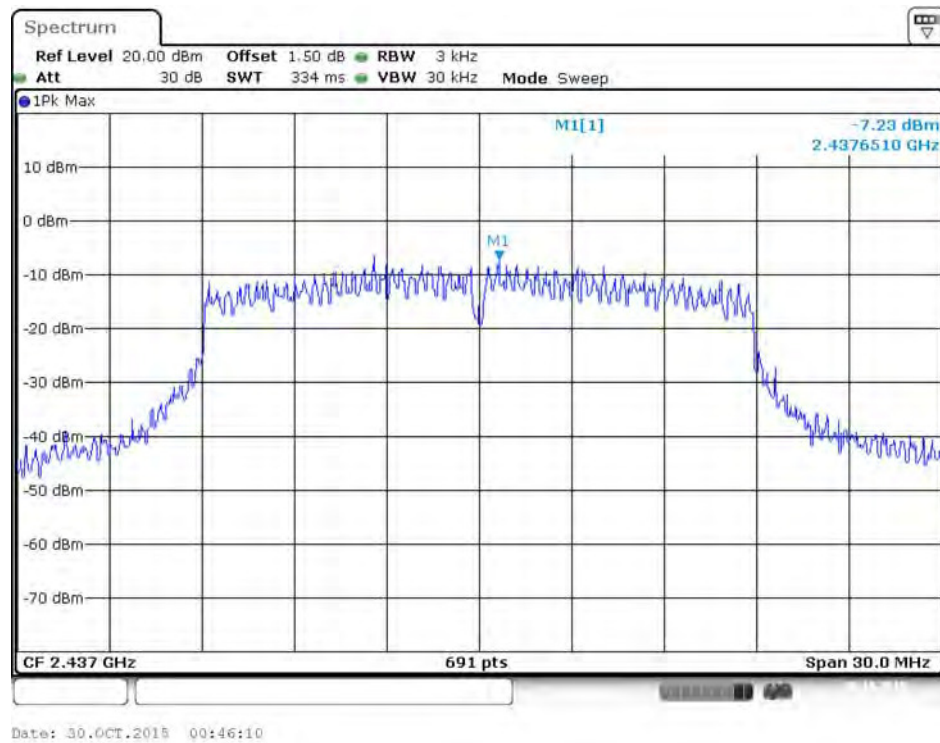
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



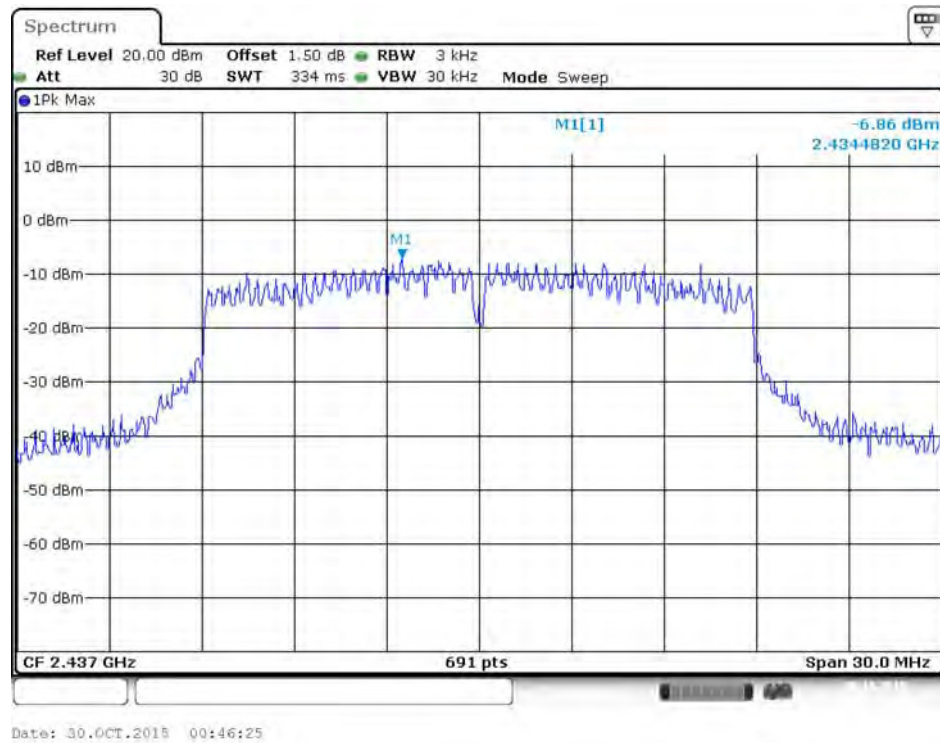
Date: 31.OCT.2015 22:37:04

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

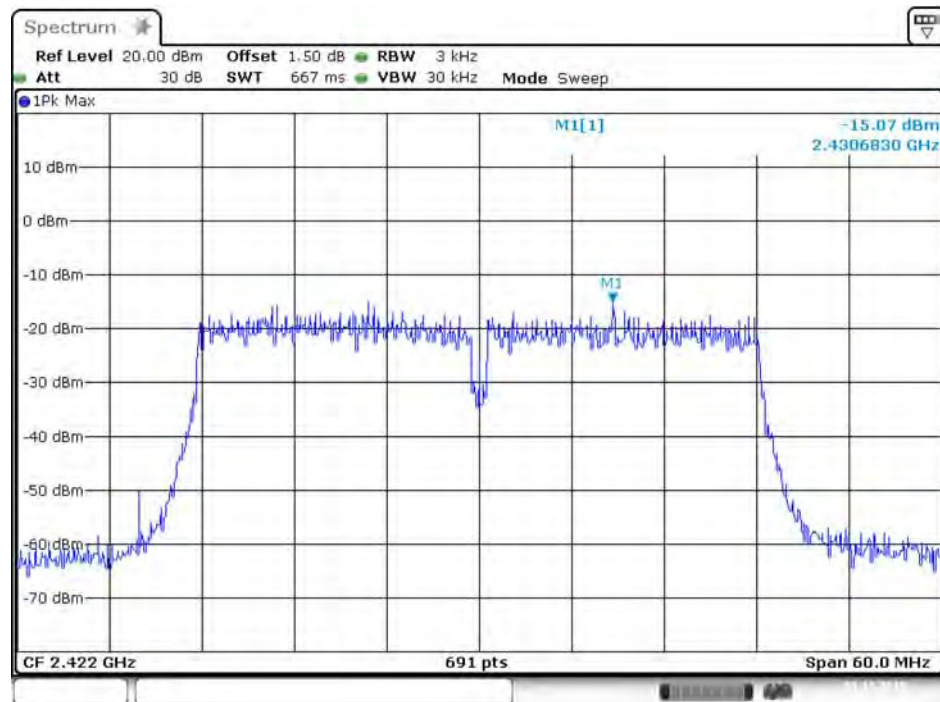
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

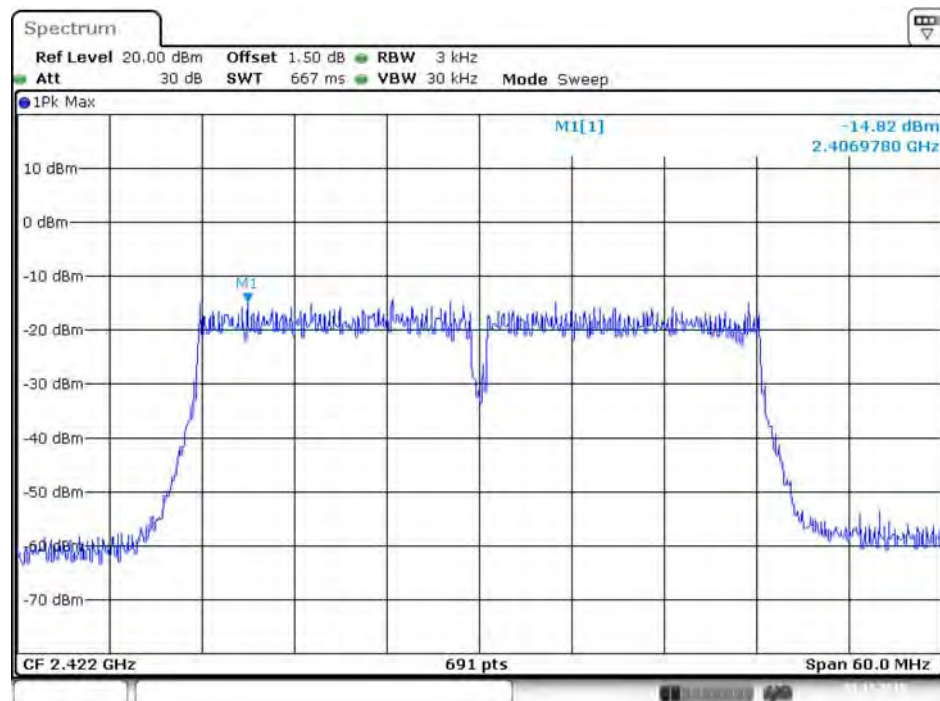


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



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

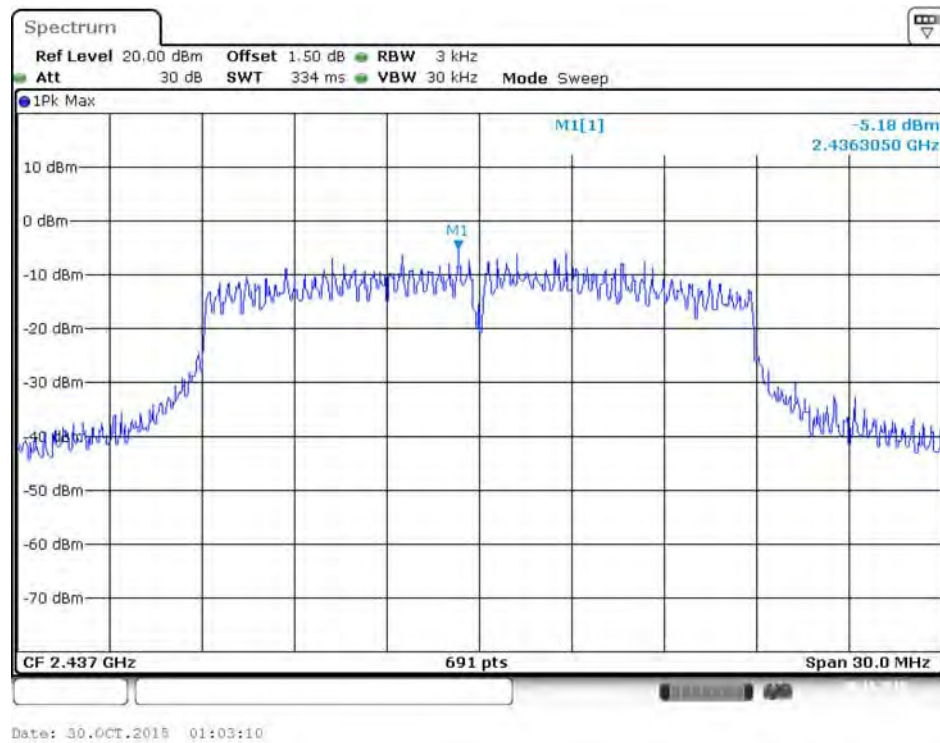
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 2



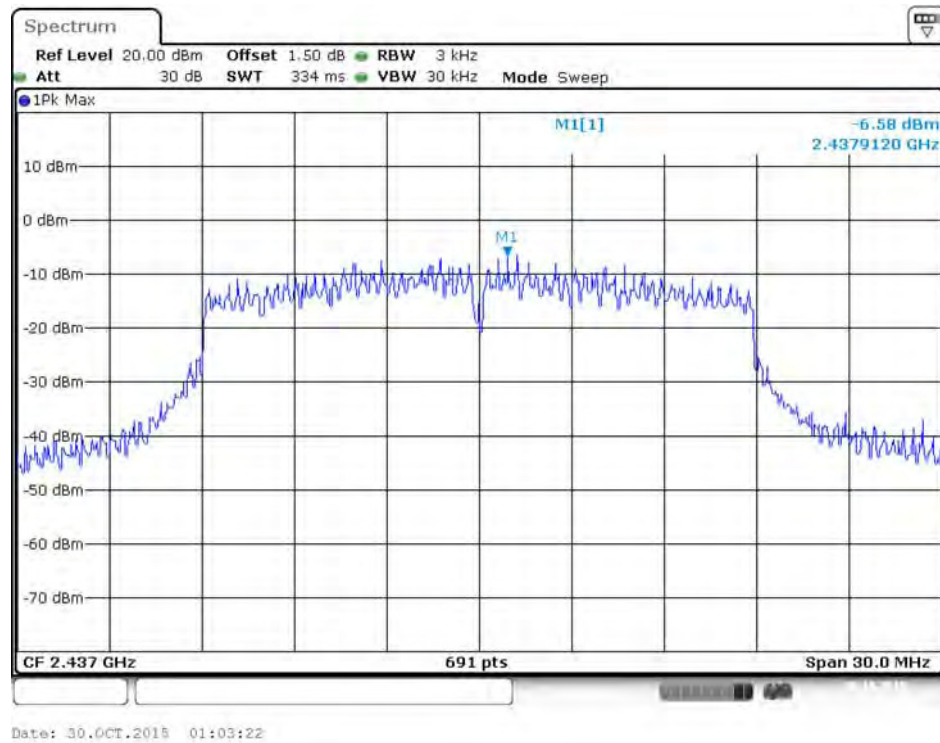
Date: 1.NOV.2015 00:36:07

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

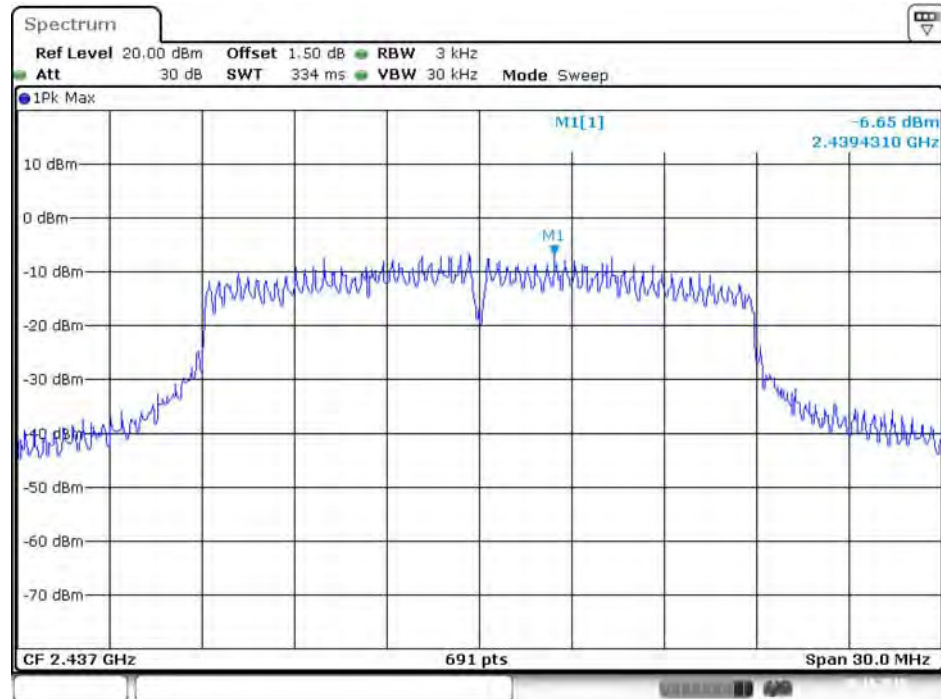
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

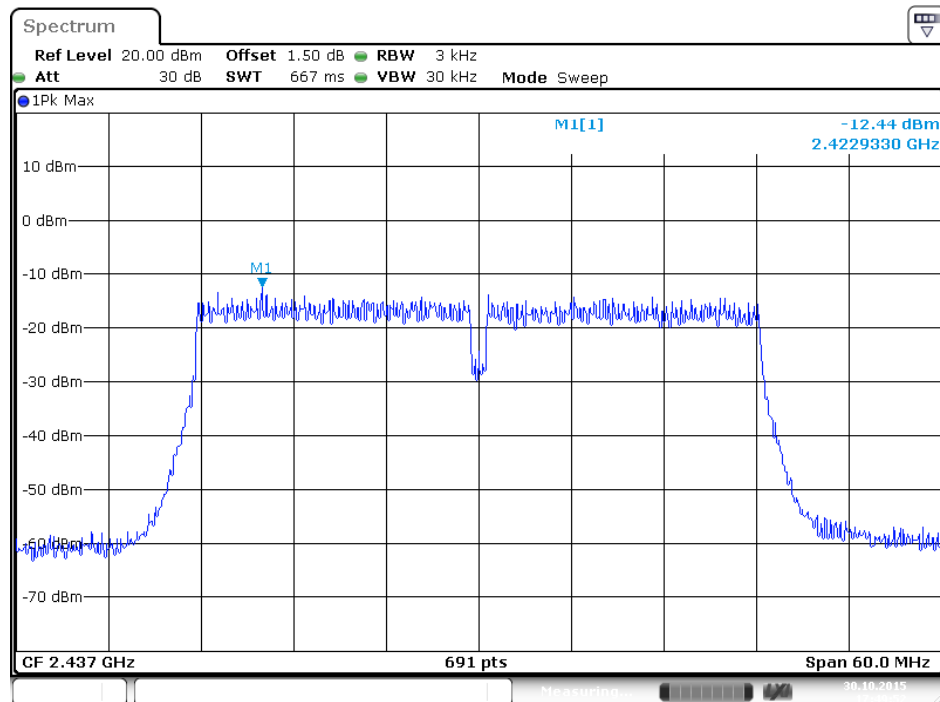


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



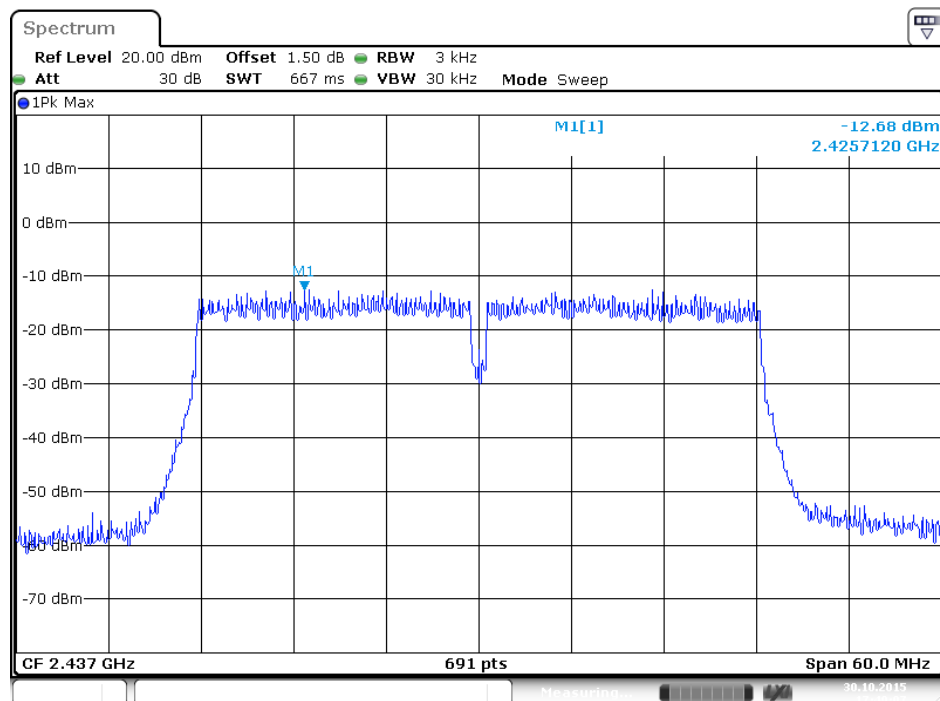
Date: 30.OCT.2015 01:03:34

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



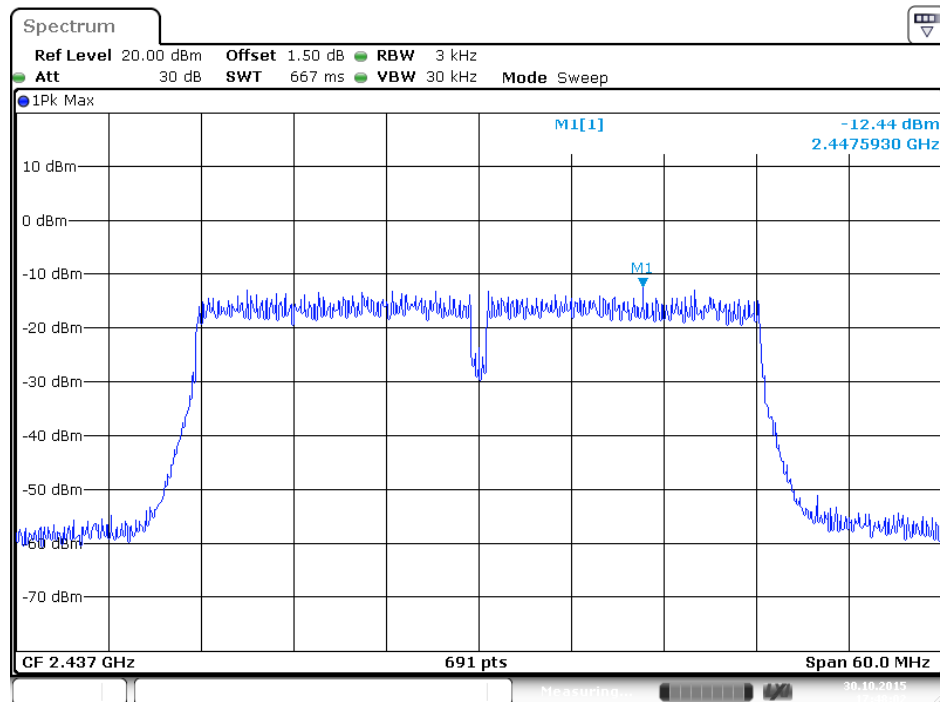
Date: 30 OCT 2015 17:49:52

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



Date: 30 OCT 2015 17:49:08

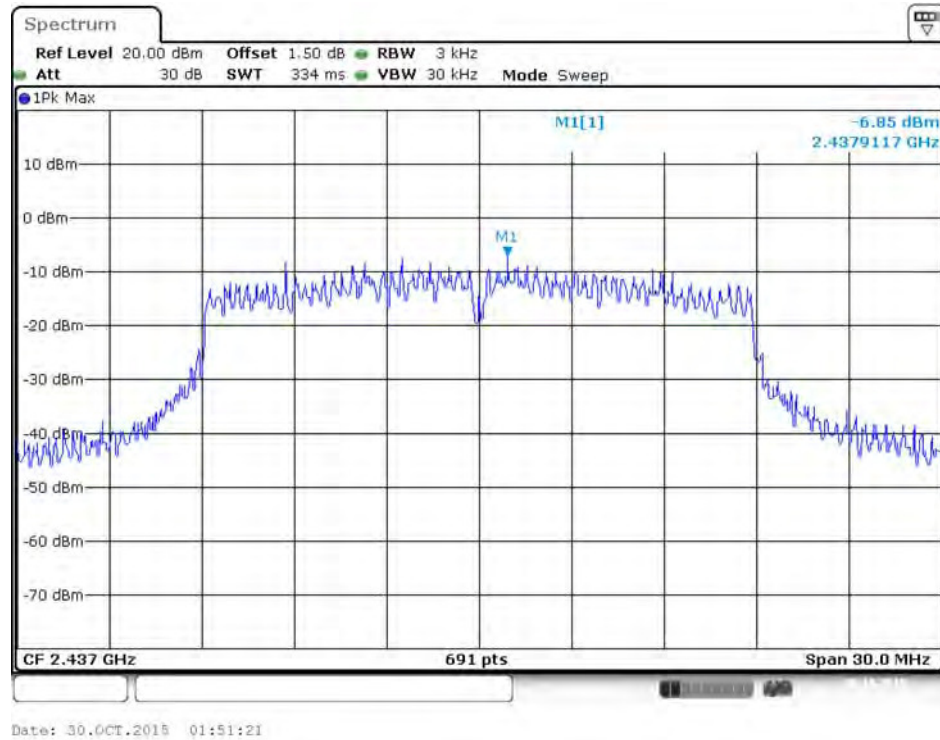
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



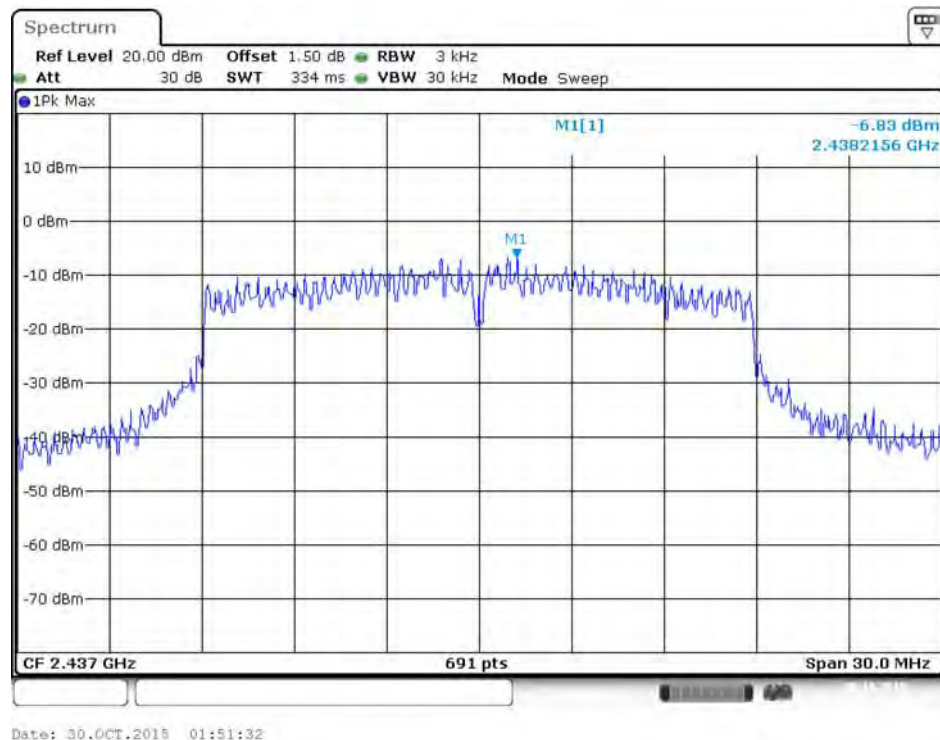
Date: 30 OCT 2015 17:48:03

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

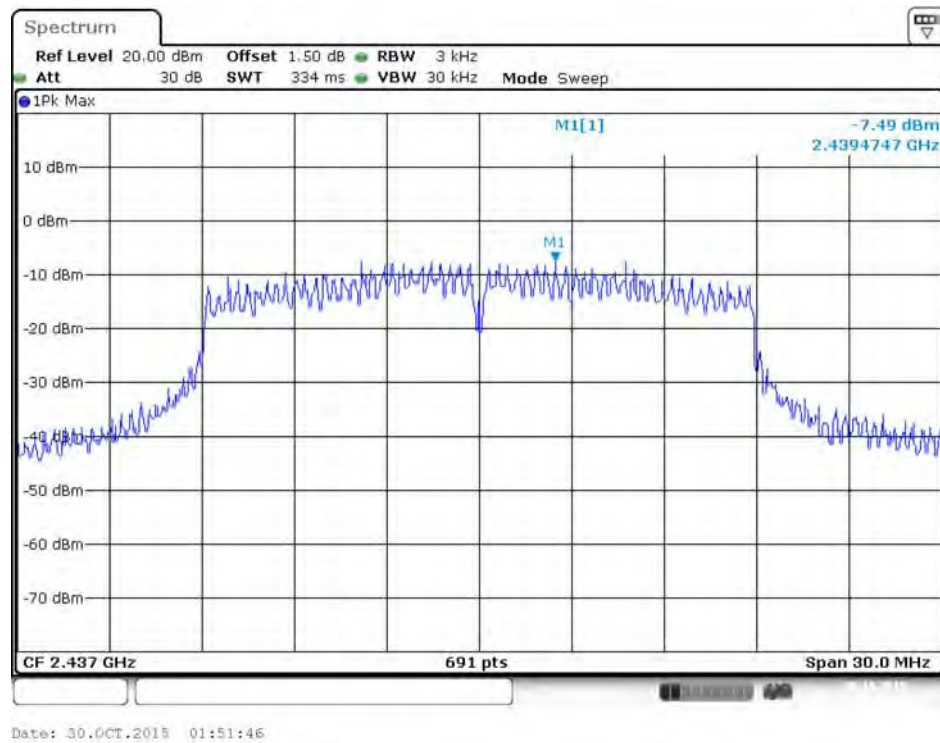
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



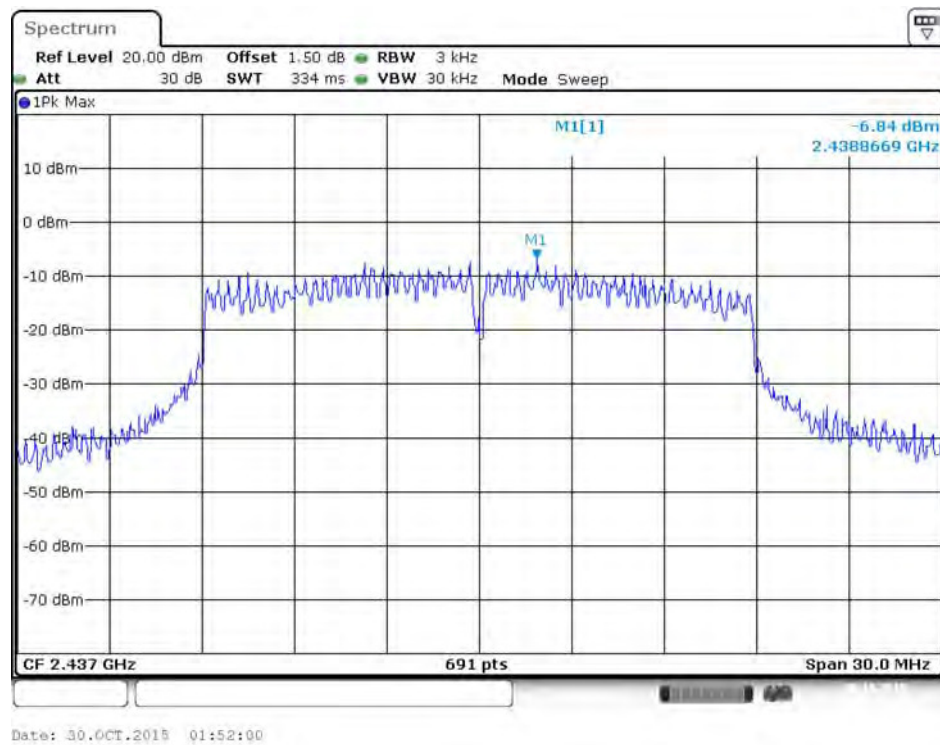
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 2



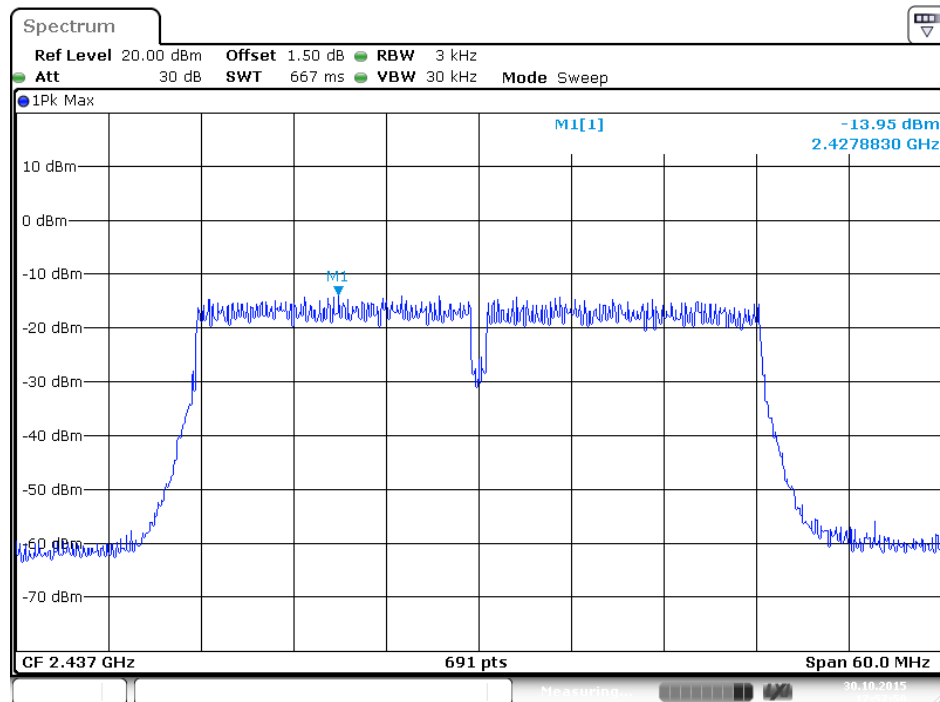
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



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

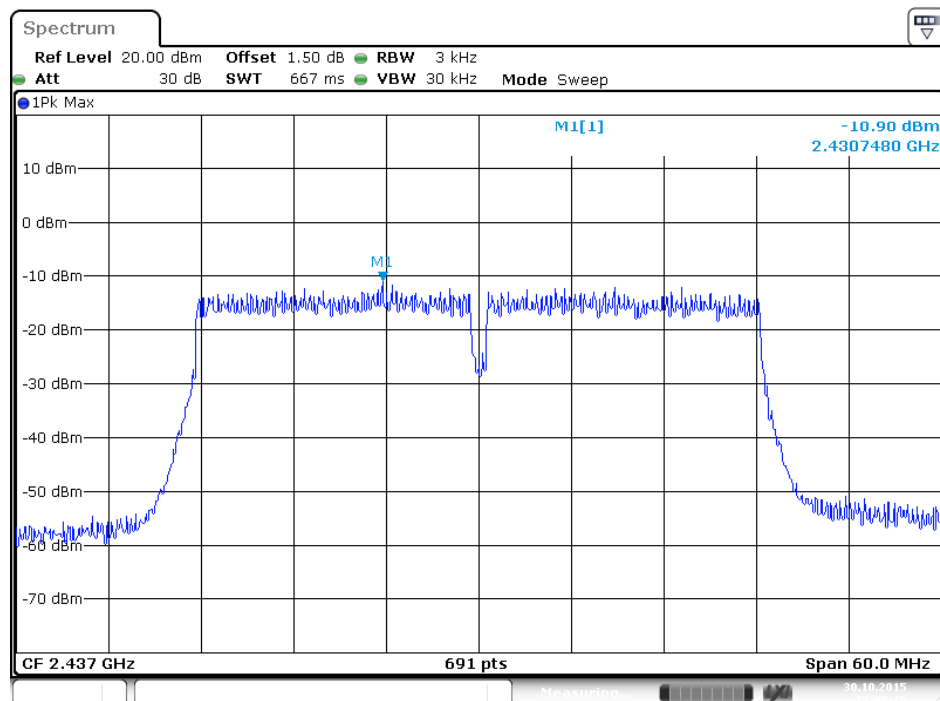


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



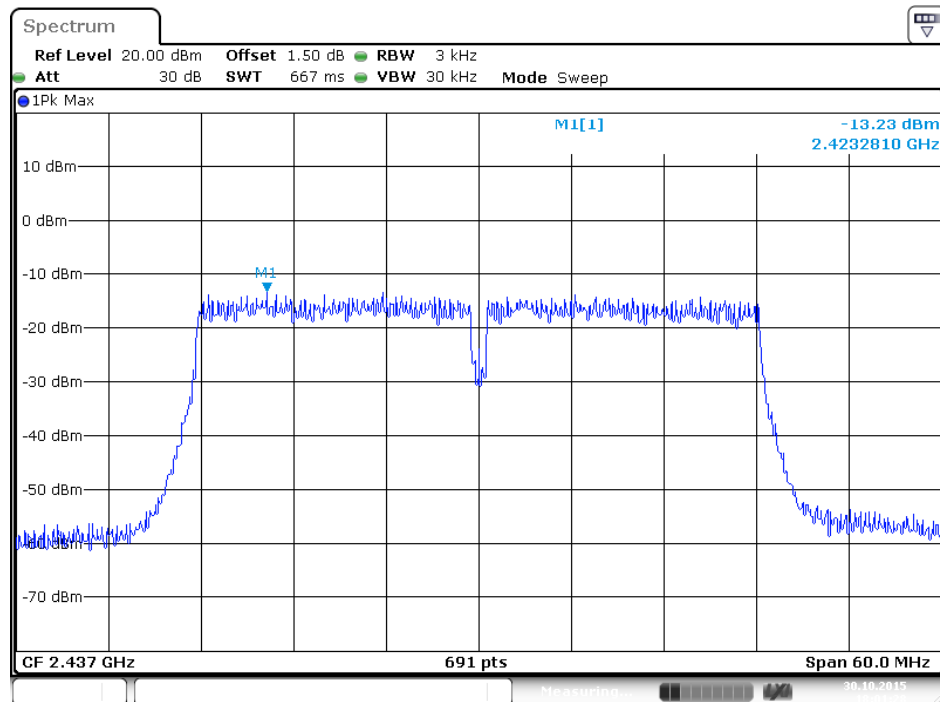
Date: 30 OCT 2015 17:57:50

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



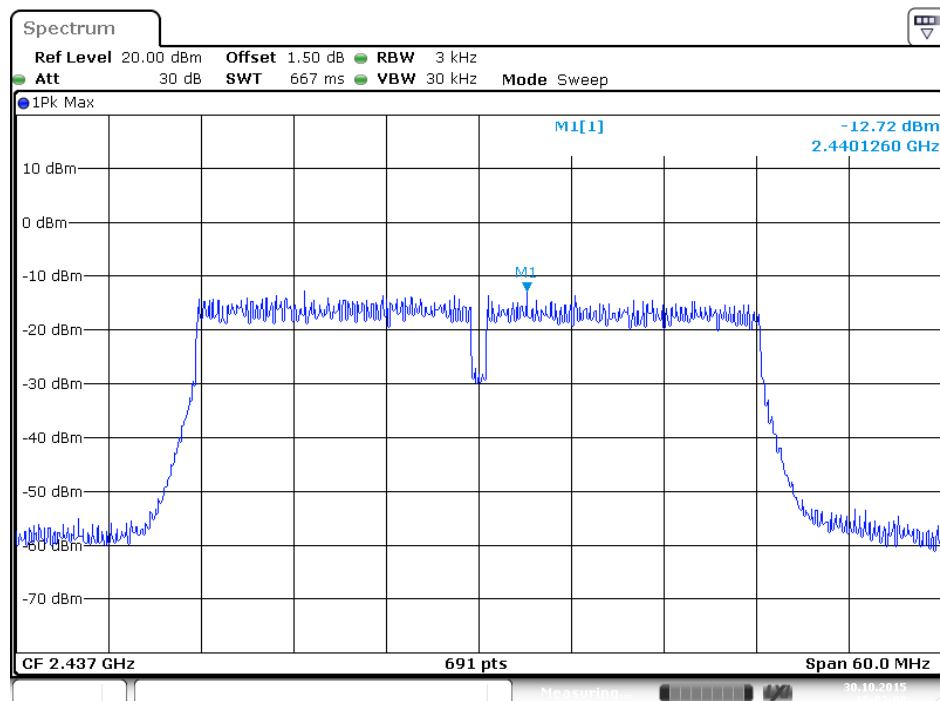
Date: 30 OCT 2015 18:00:29

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



Date: 30 OCT 2015 18:01:28

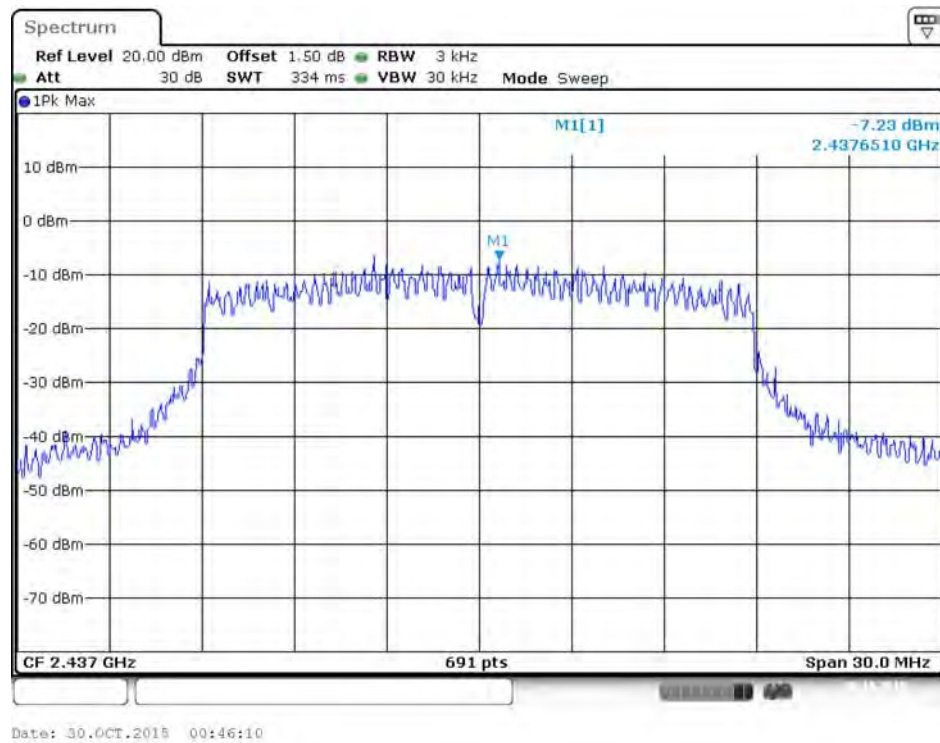
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



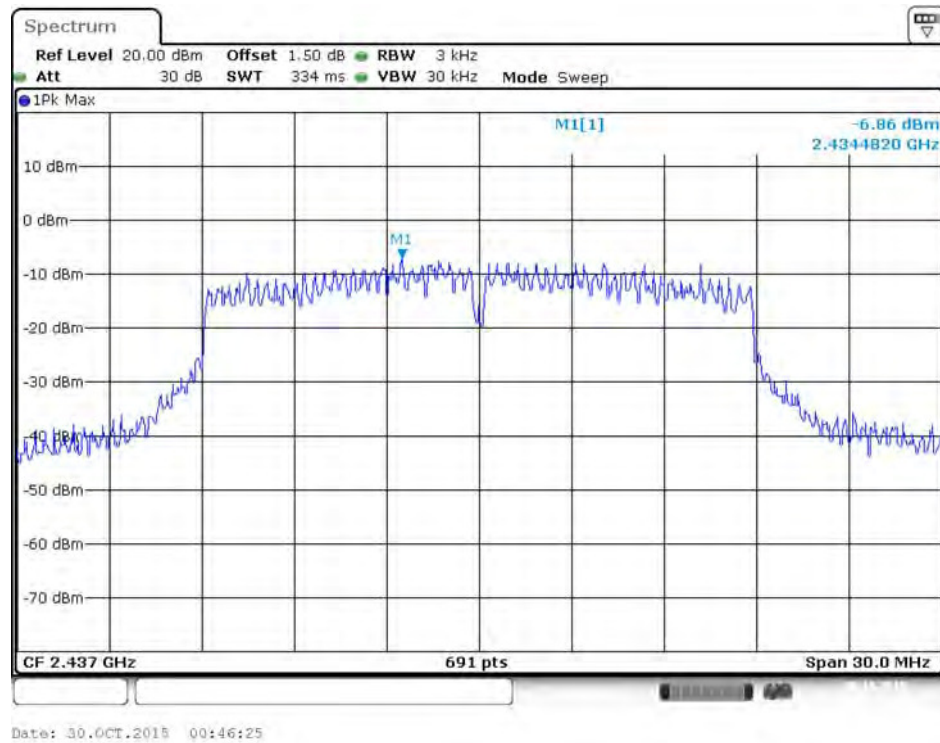
Date: 30 OCT 2015 18:02:09

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

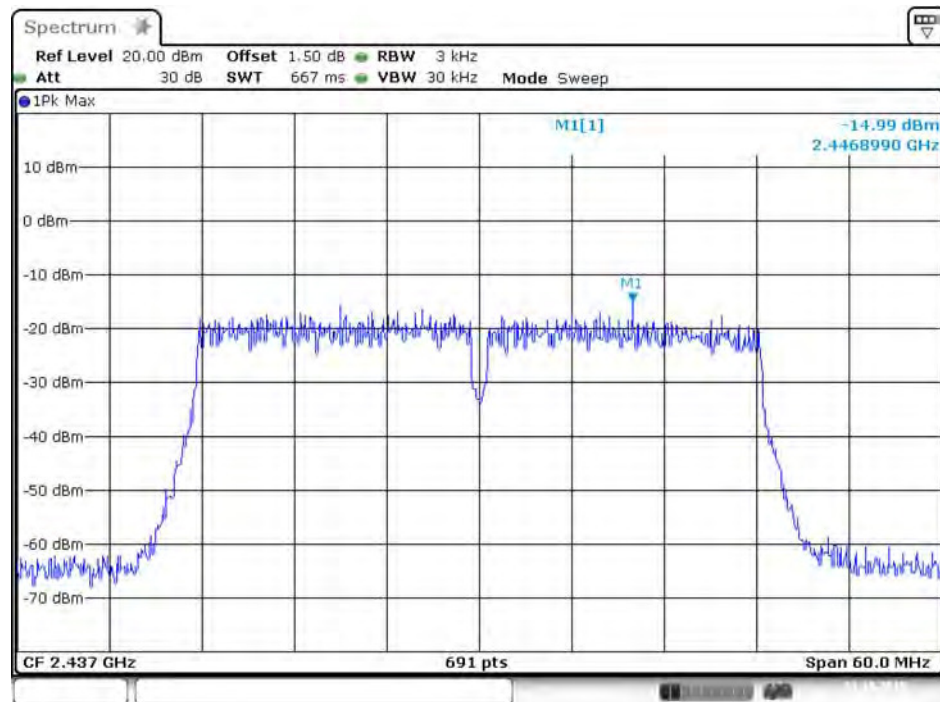
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

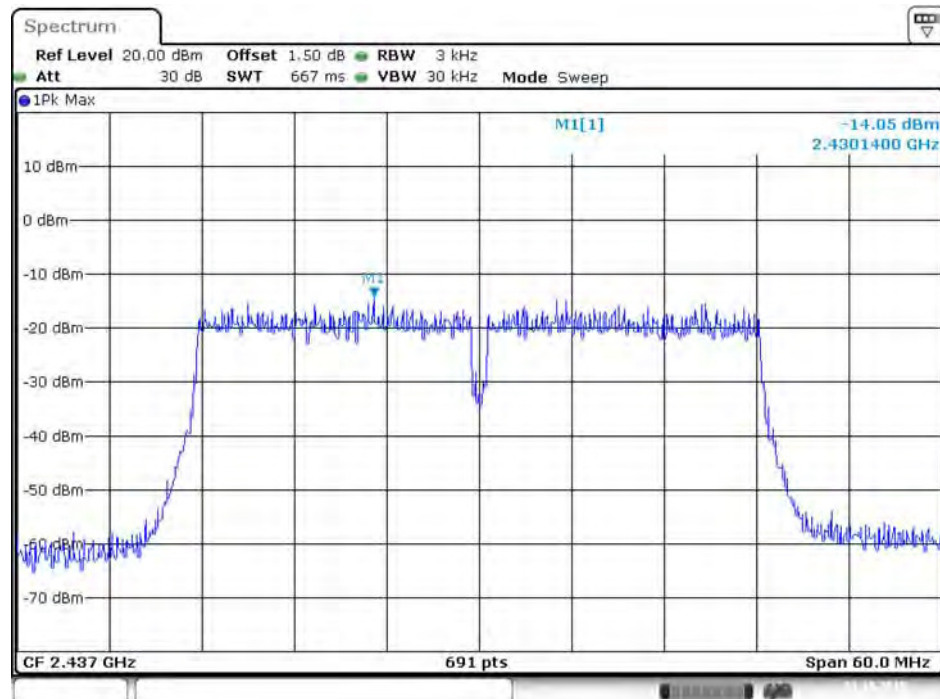


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



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

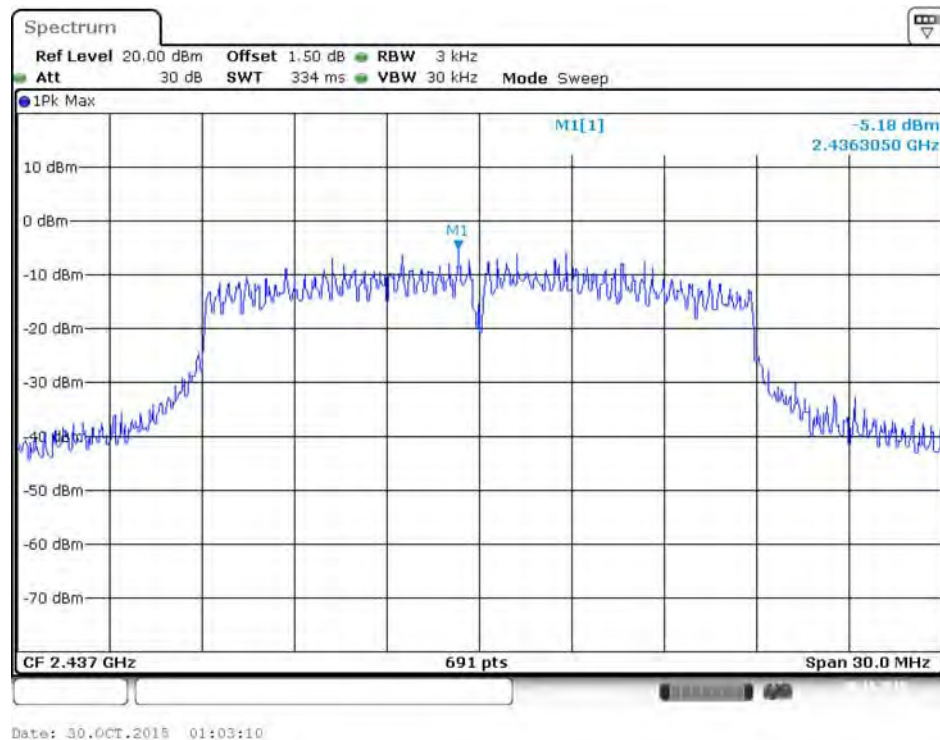
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



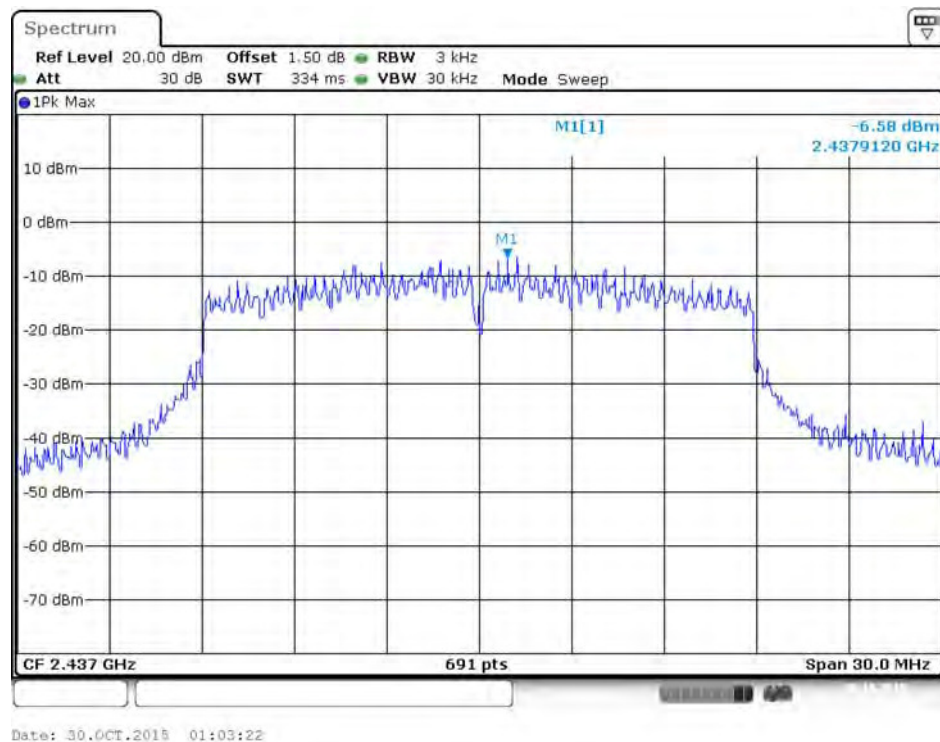
Date: 31.OCT.2015 22:49:51

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

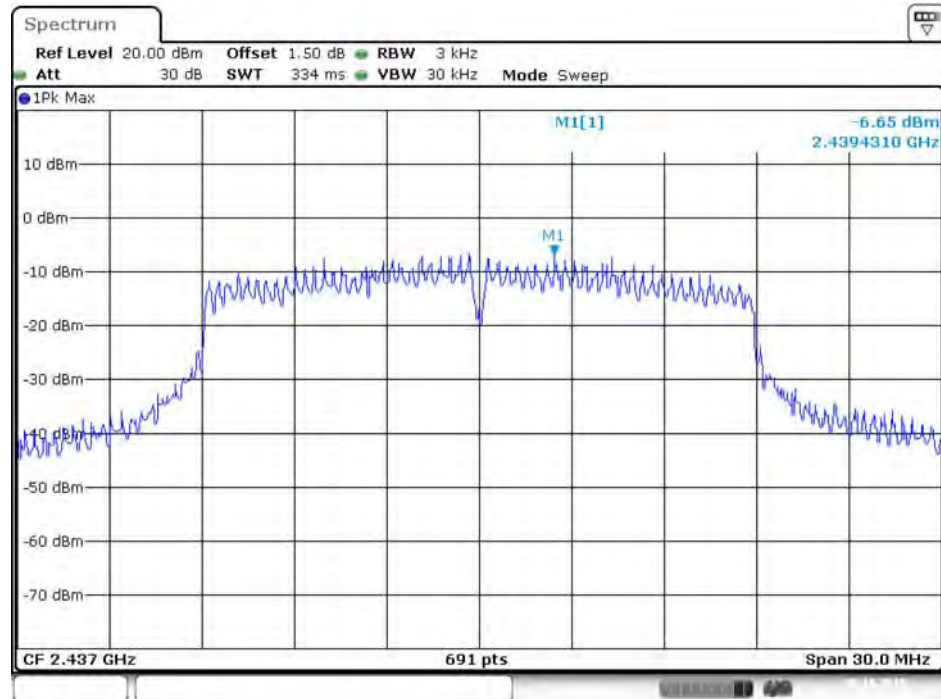
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

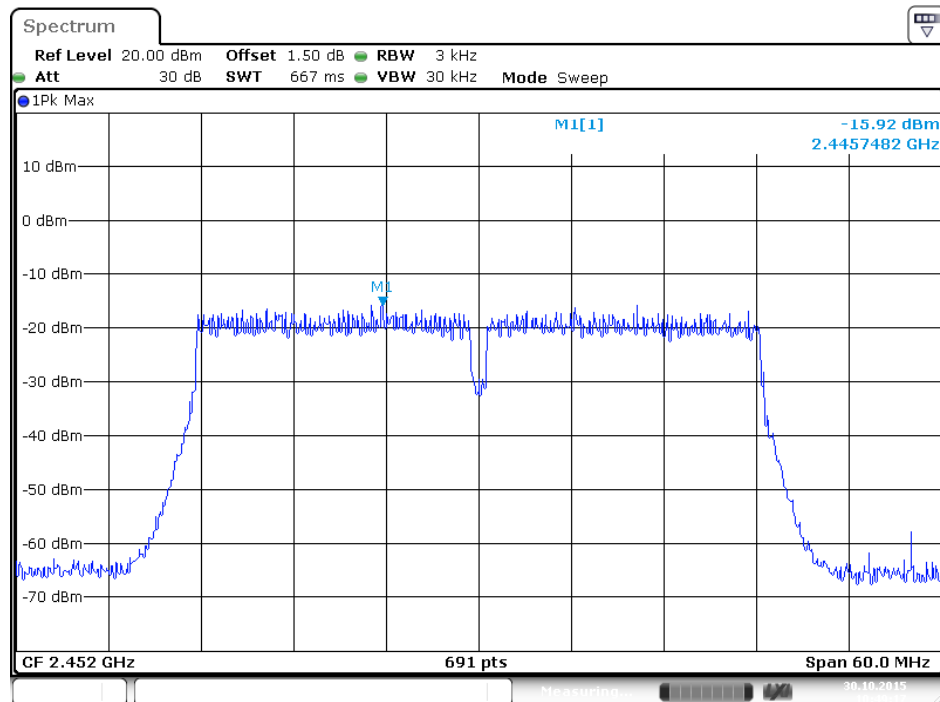


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



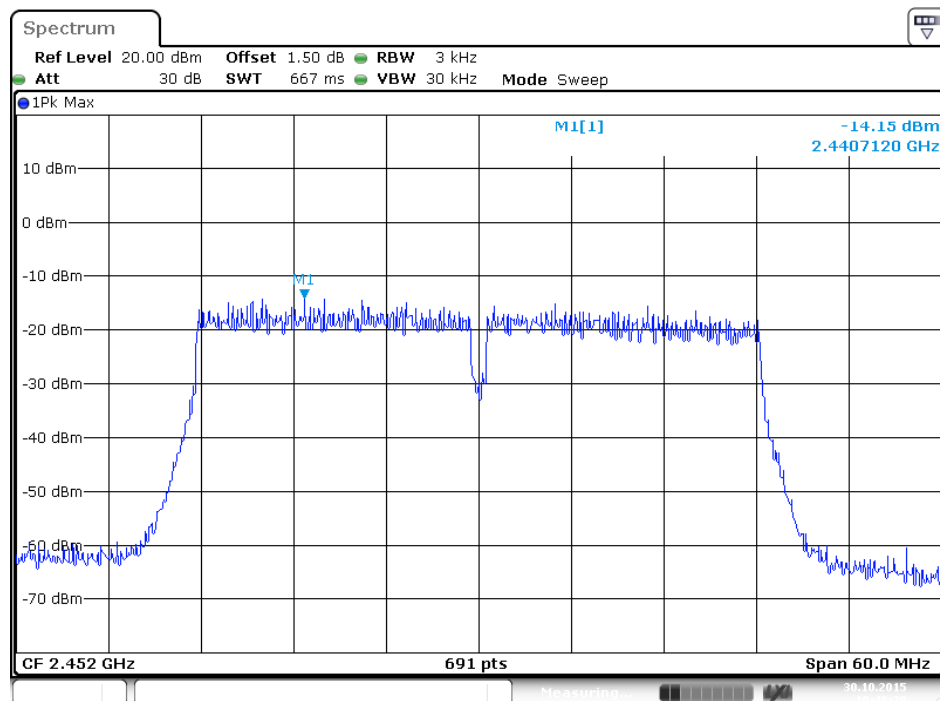
Date: 30.OCT.2015 01:03:34

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



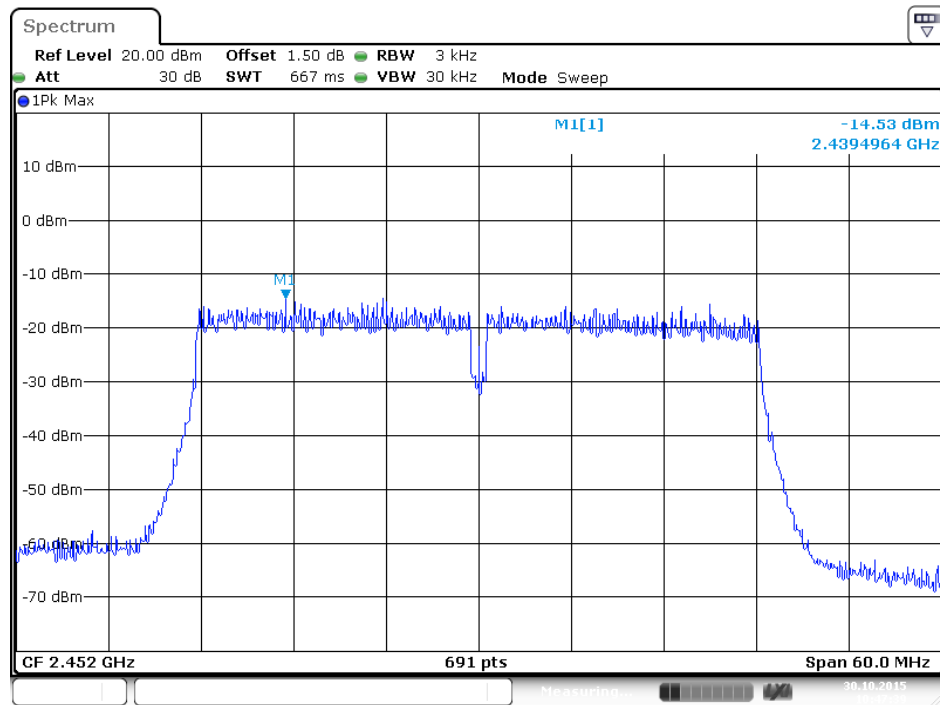
Date: 30.OCT.2015 10:49:17

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



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

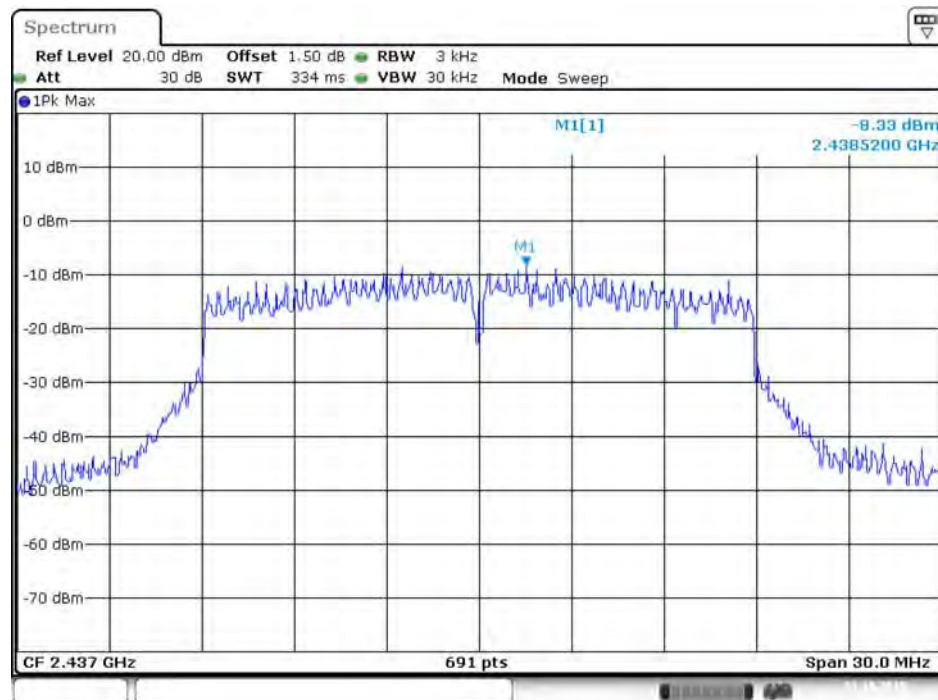
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 3



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

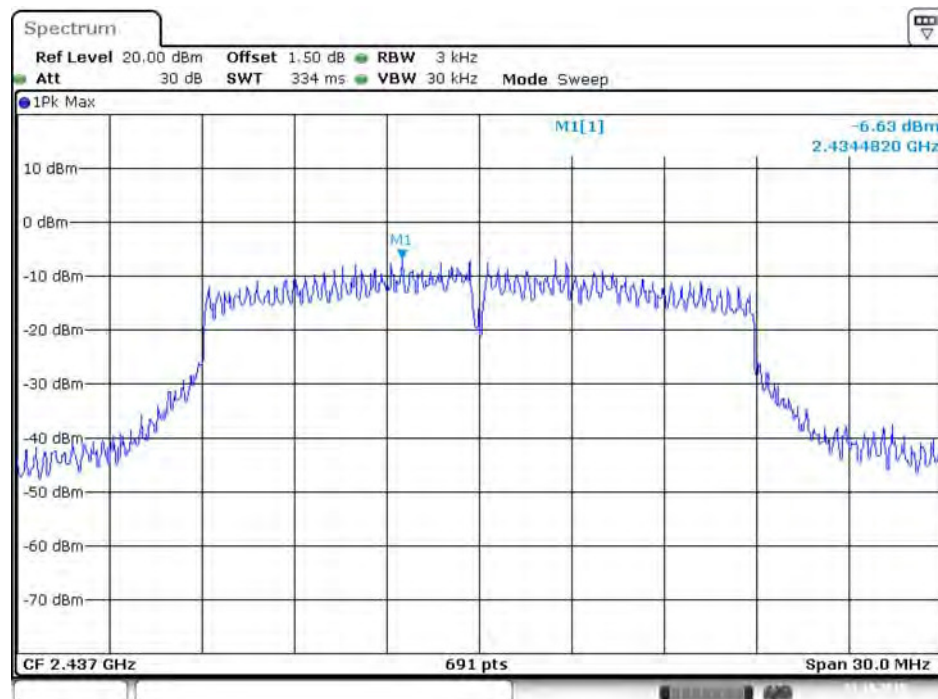
Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

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



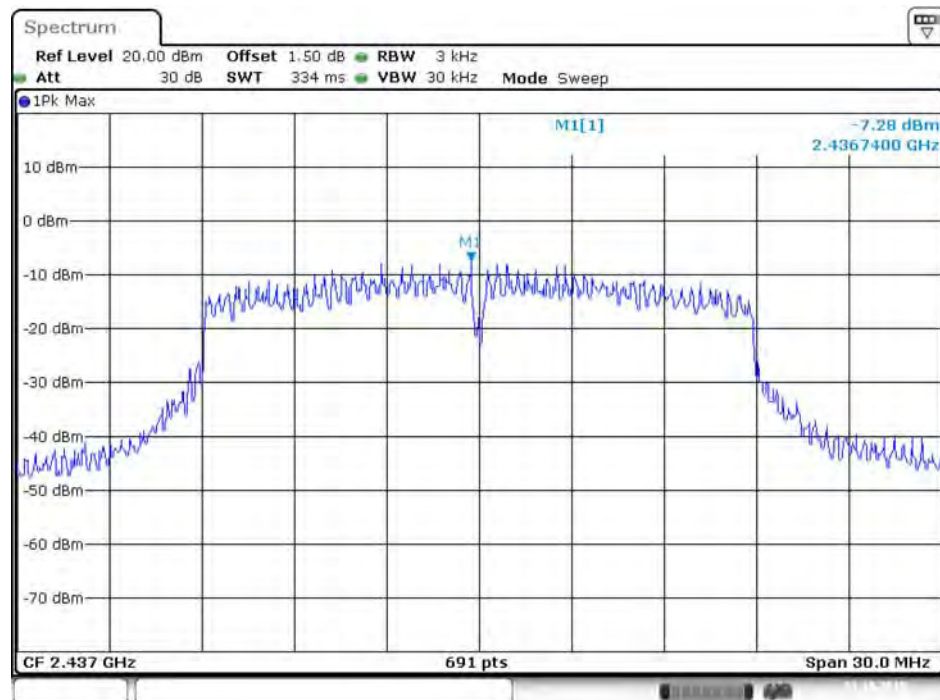
Date: 31.OCT.2015 22:35:06

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



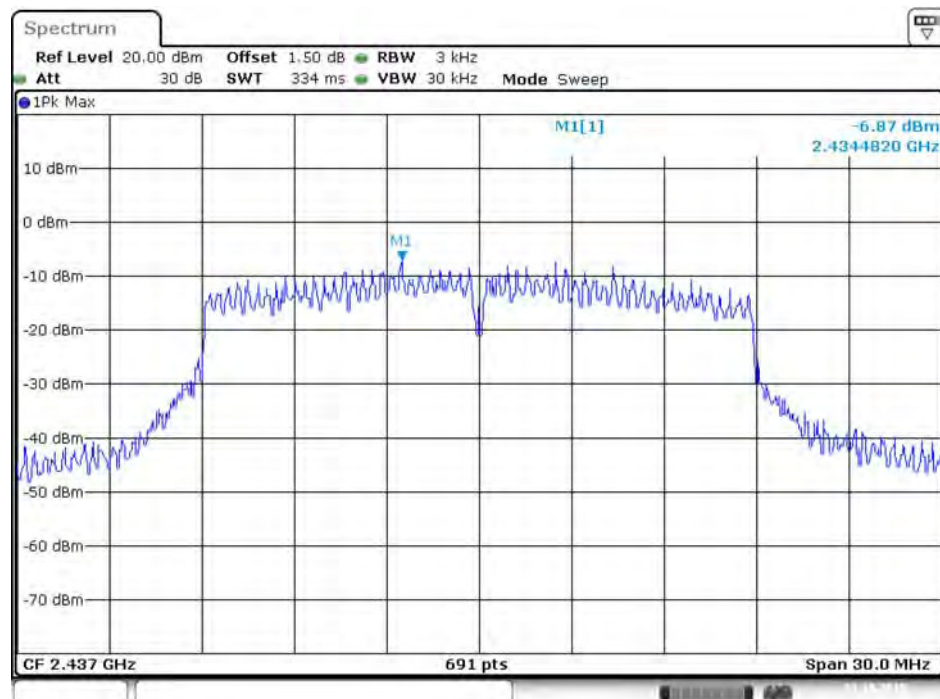
Date: 31.OCT.2015 22:35:22

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



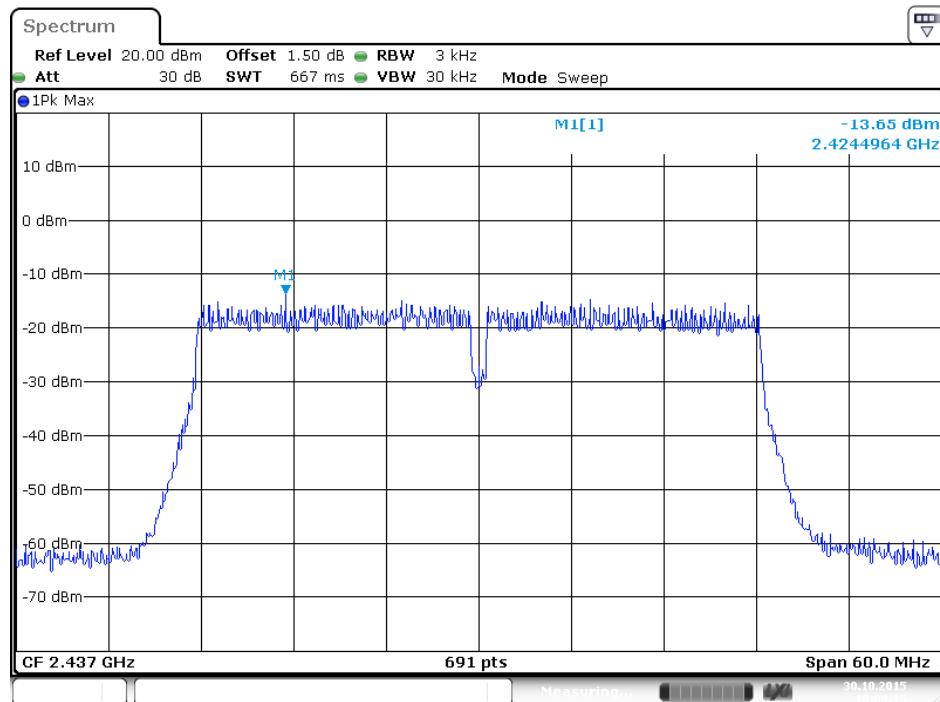
Date: 31.OCT.2015 22:35:32

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



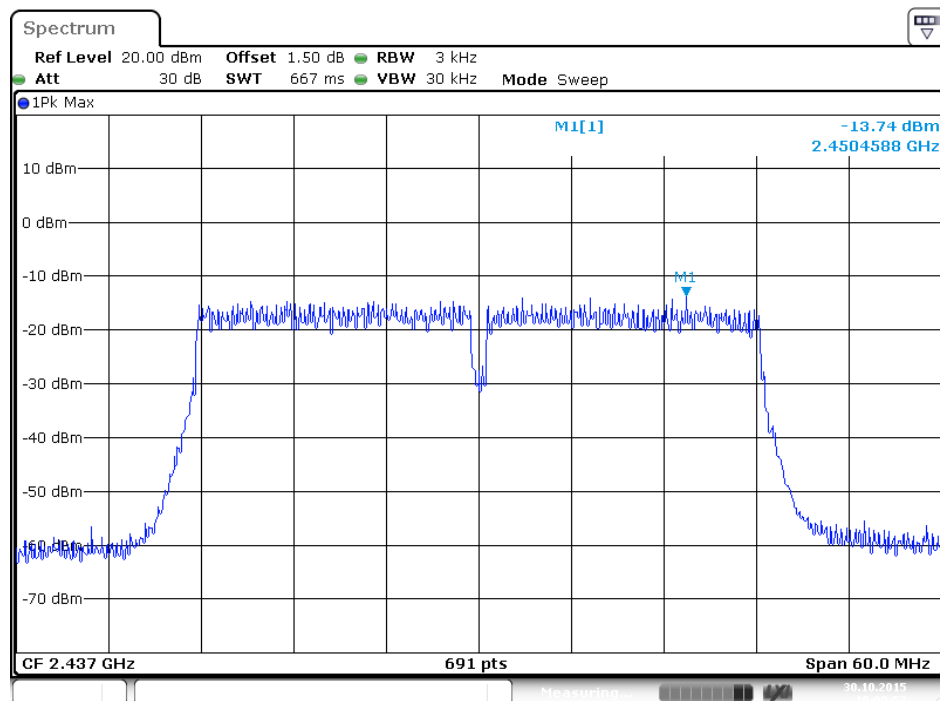
Date: 31.OCT.2015 22:35:43

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



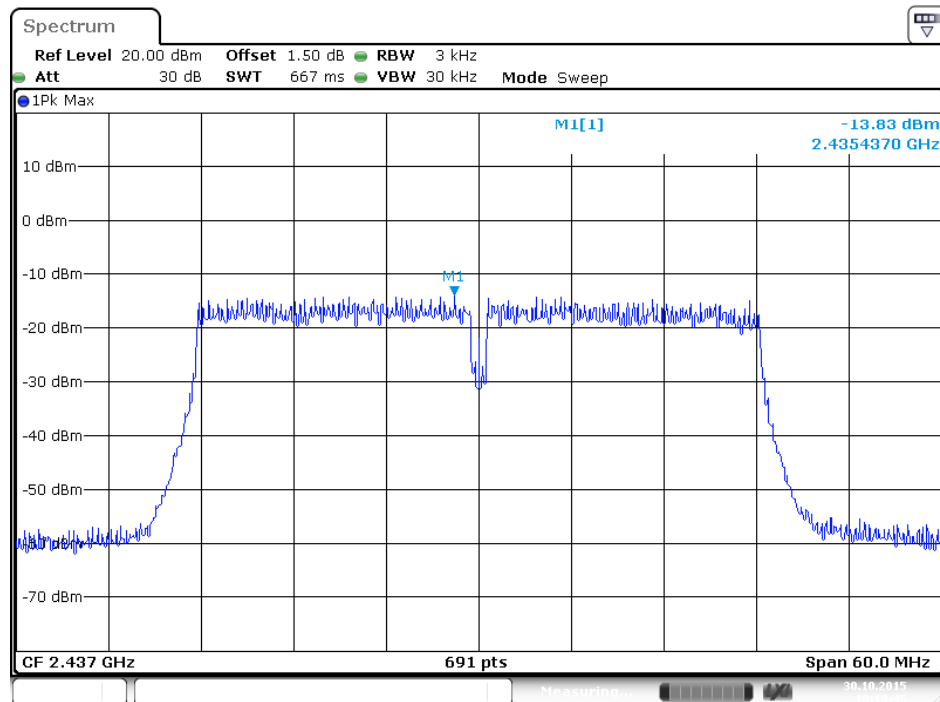
Date: 30.OCT.2015 10:09:15

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



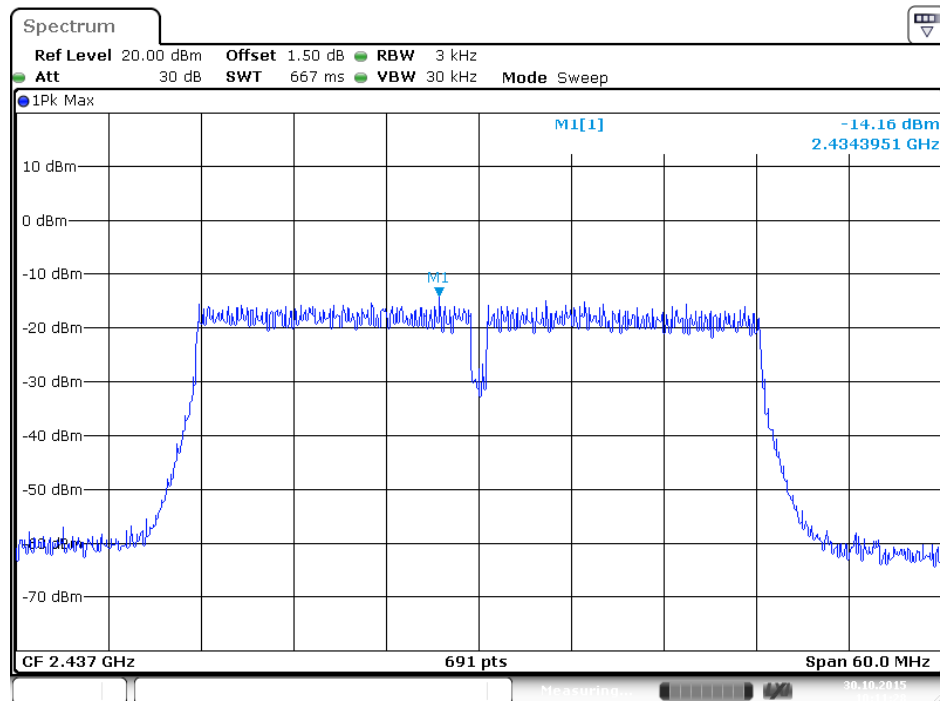
Date: 30.OCT.2015 10:09:52

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



Date: 30.OCT.2015 10:10:45

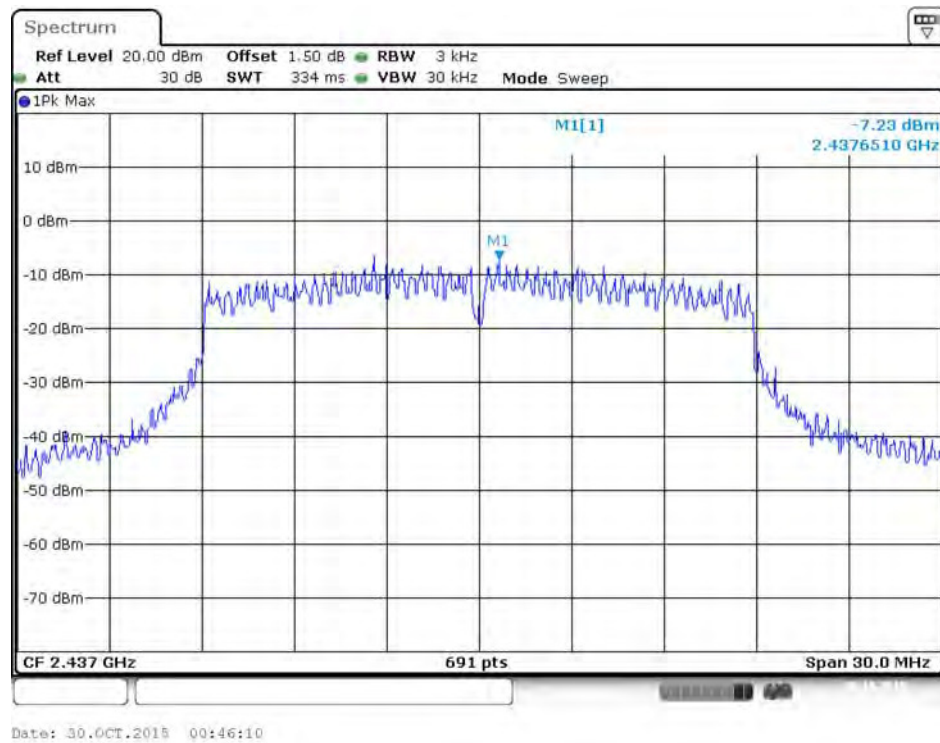
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



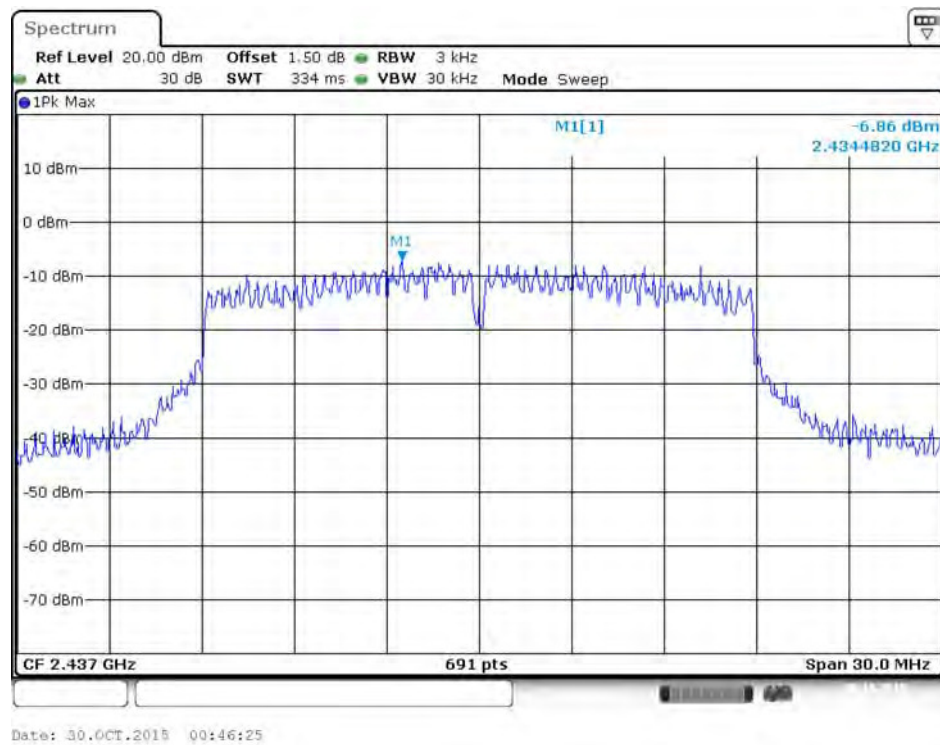
Date: 30.OCT.2015 10:11:28

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

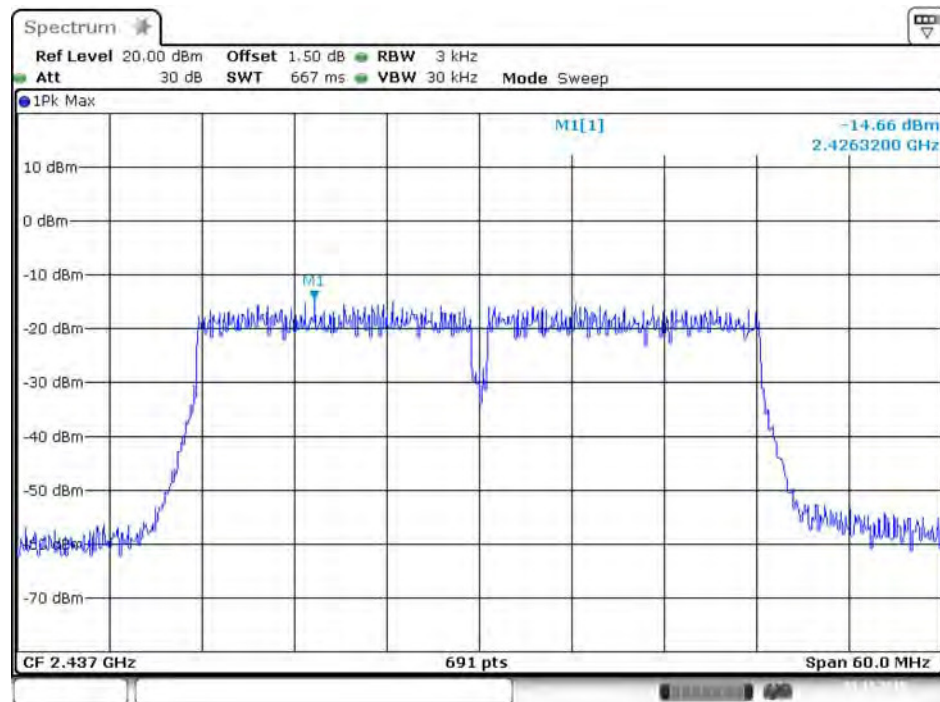
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

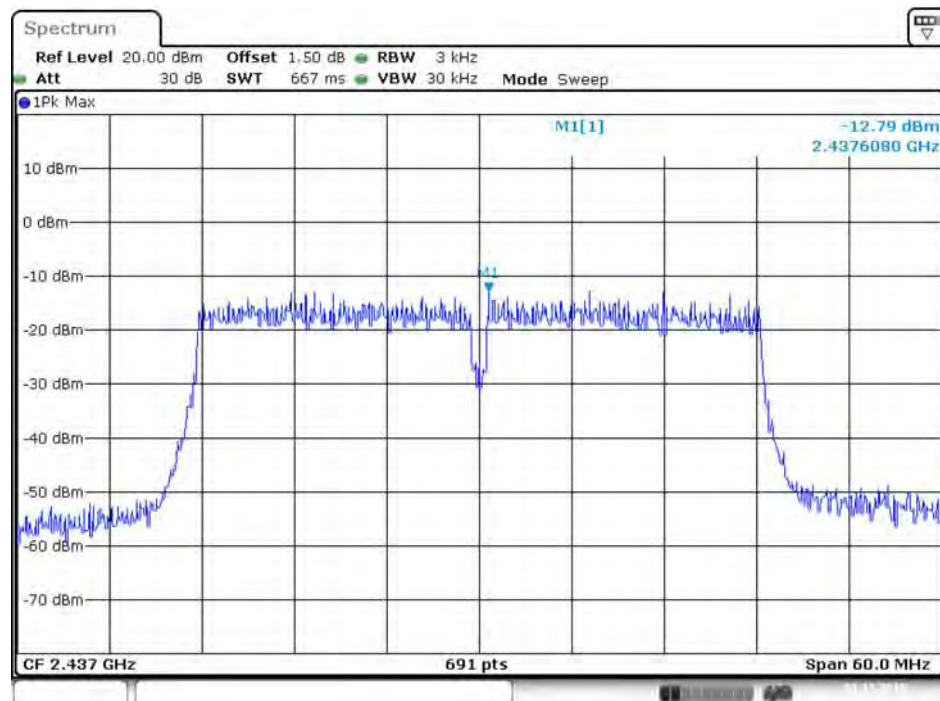


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



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

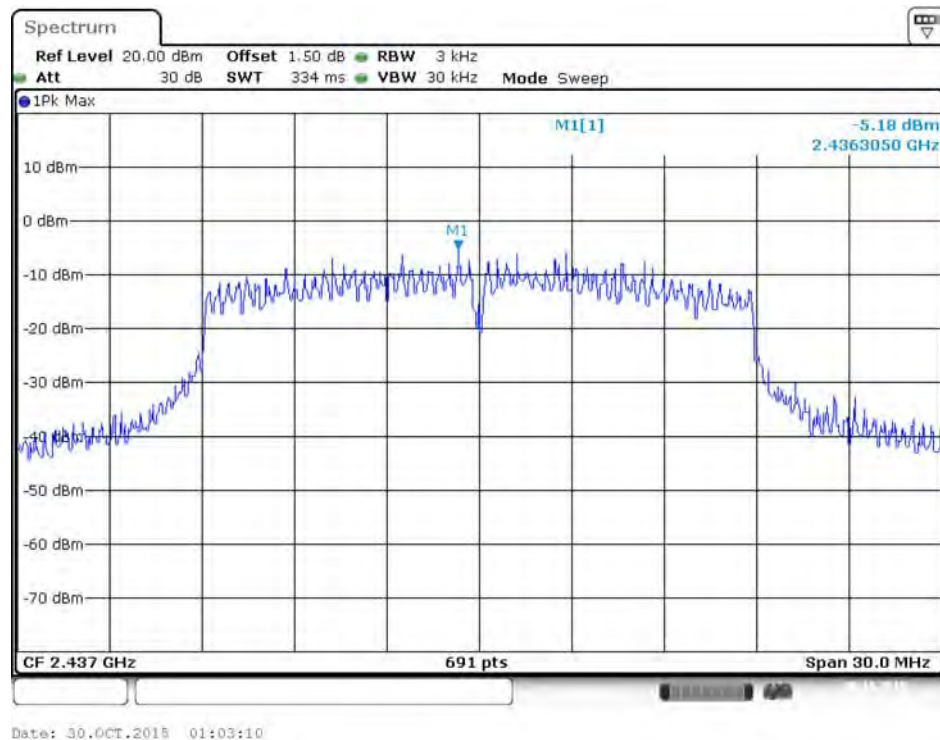
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



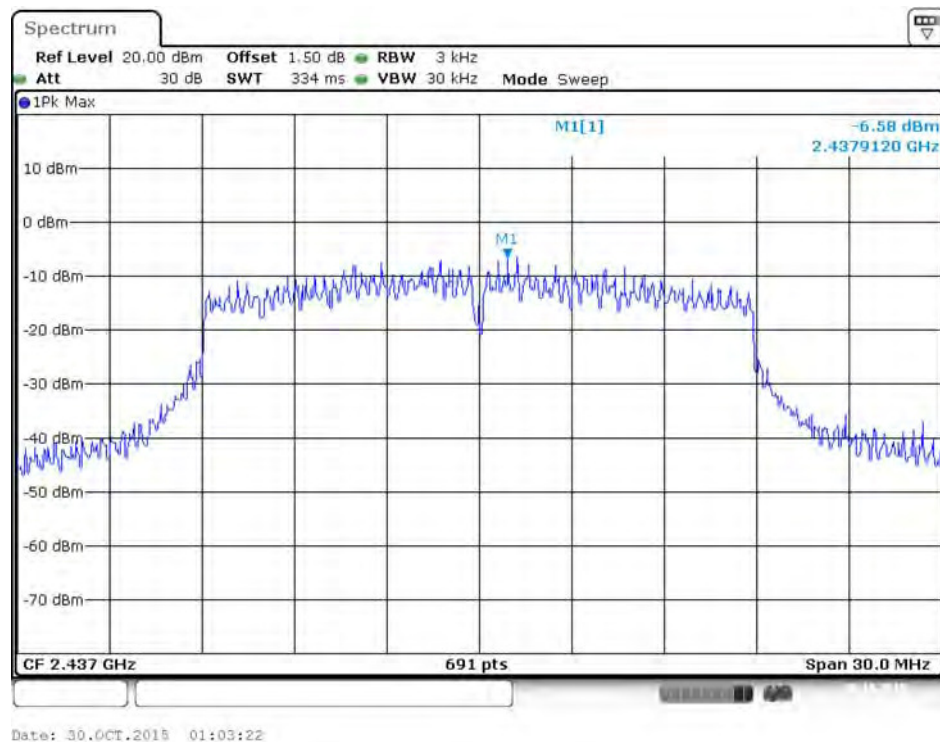
Date: 1.NOV.2015 00:53:44

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

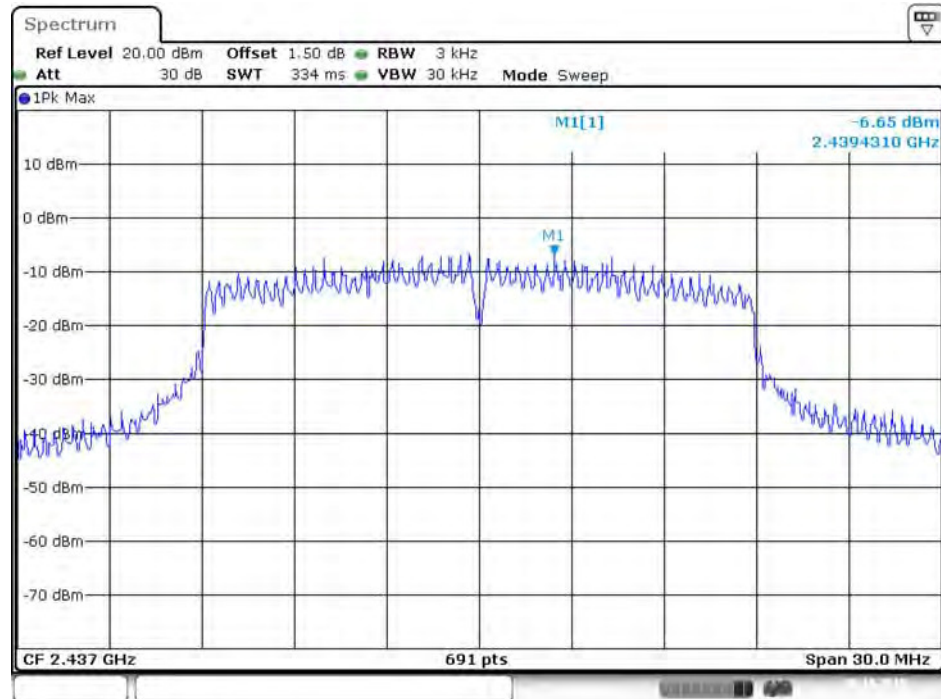
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

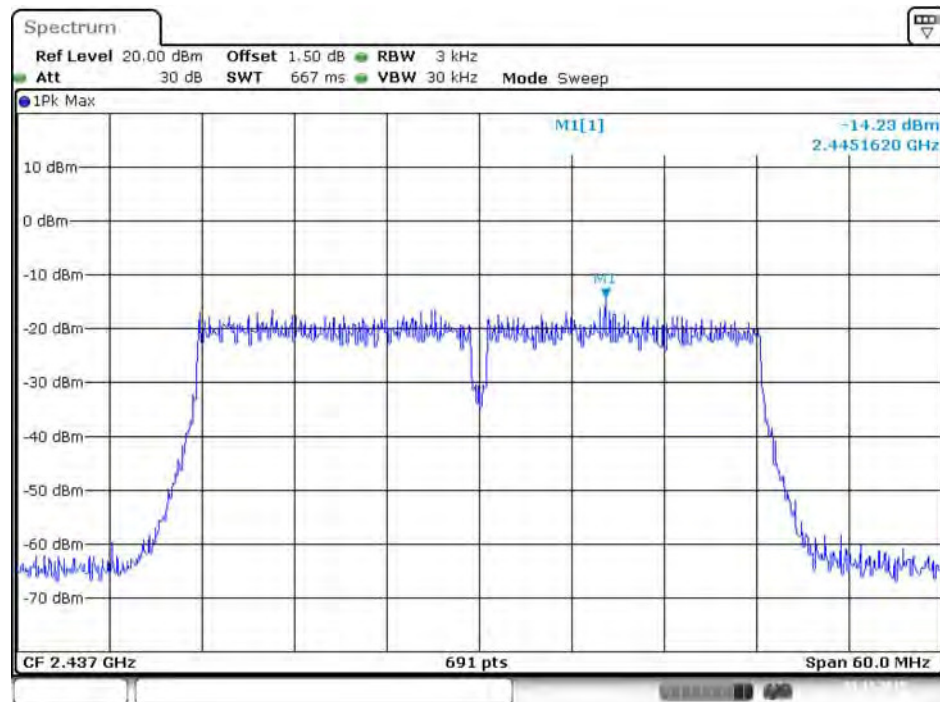


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



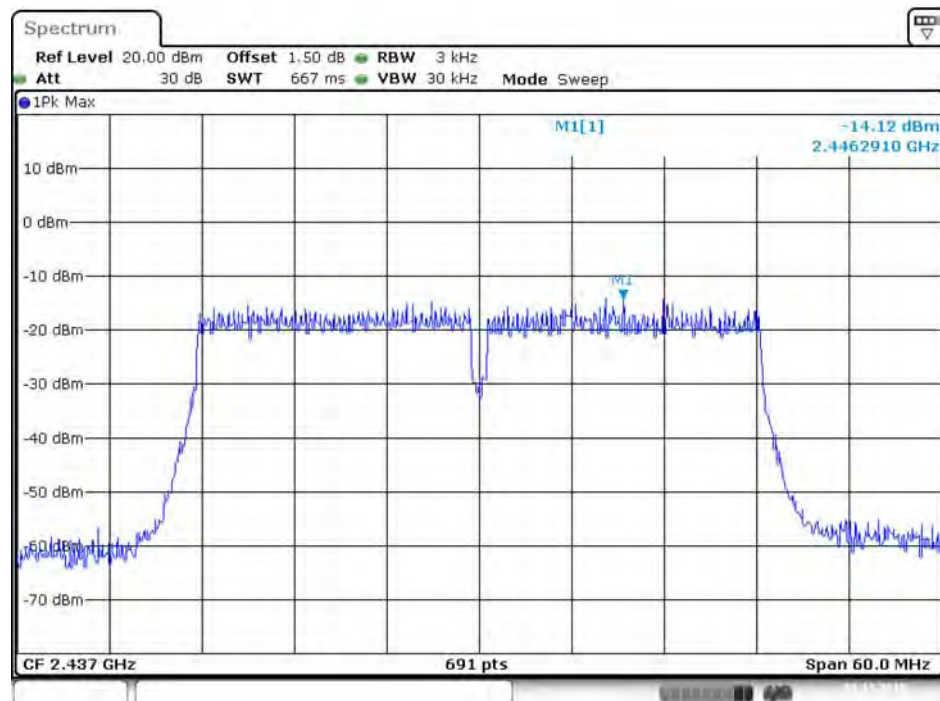
Date: 30.OCT.2015 01:03:34

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



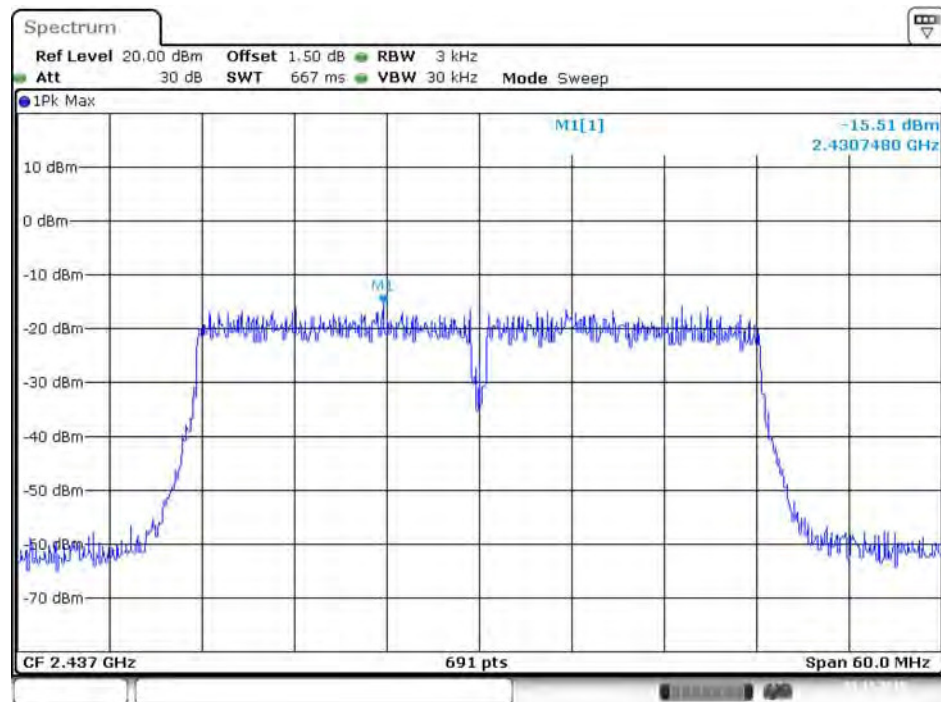
Date: 1.NOV.2015 00:51:05

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

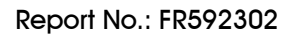


Date: 1.NOV.2015 00:51:16

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



Date: 1 NOV 2015 00:51:28



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] -6.85 dBm
2.4379117 GHz

M1

CF 2.437 GHz 691 pts Span 30.0 MHz

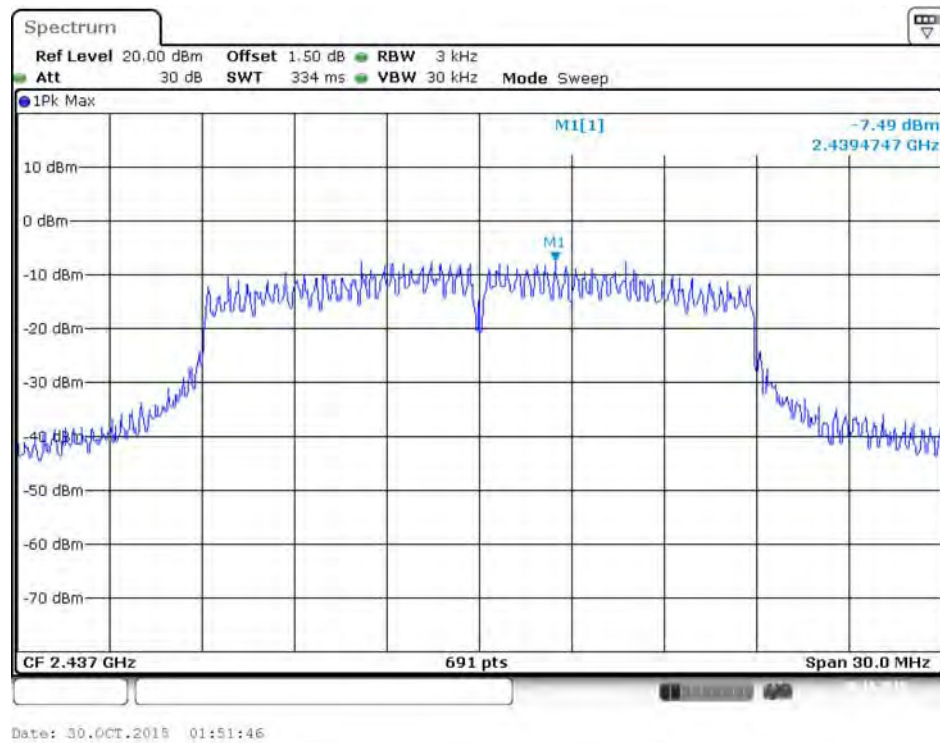
The image shows a spectrum plot with a grid. The vertical axis represents power in dBm, ranging from -70 dBm to 10 dBm. The horizontal axis represents frequency in GHz, with a center frequency (CF) of 2.437 GHz and a span of 30.0 MHz. A blue trace shows a signal with a peak at 2.4379117 GHz, labeled M1[1], with a power level of -6.85 dBm. The signal is noisy and has a bandwidth of approximately 10 MHz. The plot includes various measurement parameters: Ref Level 20.00 dBm, Att 30 dB, Offset 1.50 dB, RBW 3 kHz, SWT 334 ms, VBW 30 kHz, and Mode Sweep. The plot also shows a 1Pk Max measurement.

Date: 30.OCT.2015 01:51:21

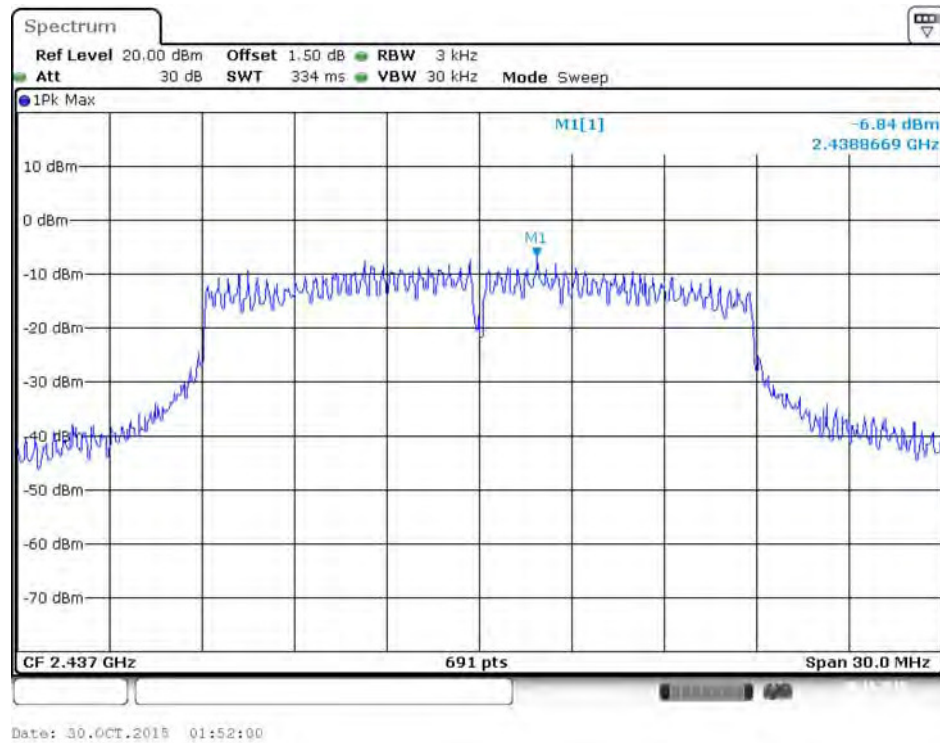
The screenshot displays a spectrum analyzer interface. At the top, the title 'Spectrum' is shown. Below it, the following parameters are set: Ref Level 20.00 dBm, Offset 1.50 dB, RBW 3 kHz, Att 30 dB, SWT 334 ms, VBW 30 kHz, and Mode Sweep. The main display area shows a spectrum plot with a blue trace. A peak is labeled 'M1[1]' with a value of -6.83 dBm at a frequency of 2.4382156 GHz. The plot has a grid with frequency on the x-axis and power in dBm on the y-axis. The x-axis is labeled 'CF 2.437 GHz' and 'Span 30.0 MHz'. The y-axis ranges from -70 dBm to 10 dBm. The plot shows a signal with a central peak and side lobes, with a noise floor around -10 dBm.

Date: 30.OCT.2015 01:51:32

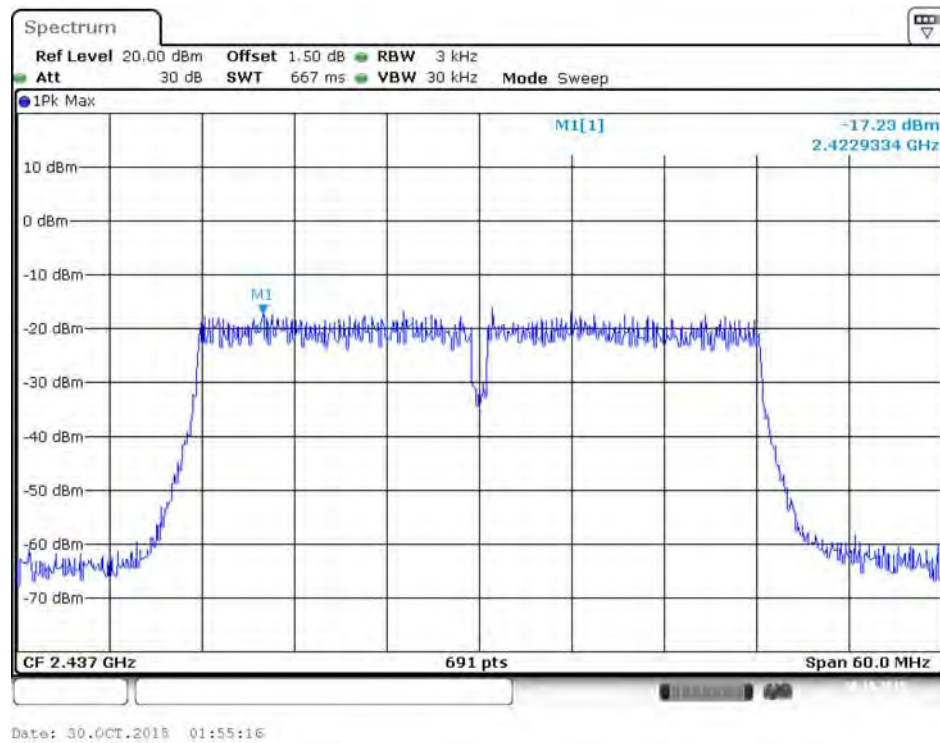
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



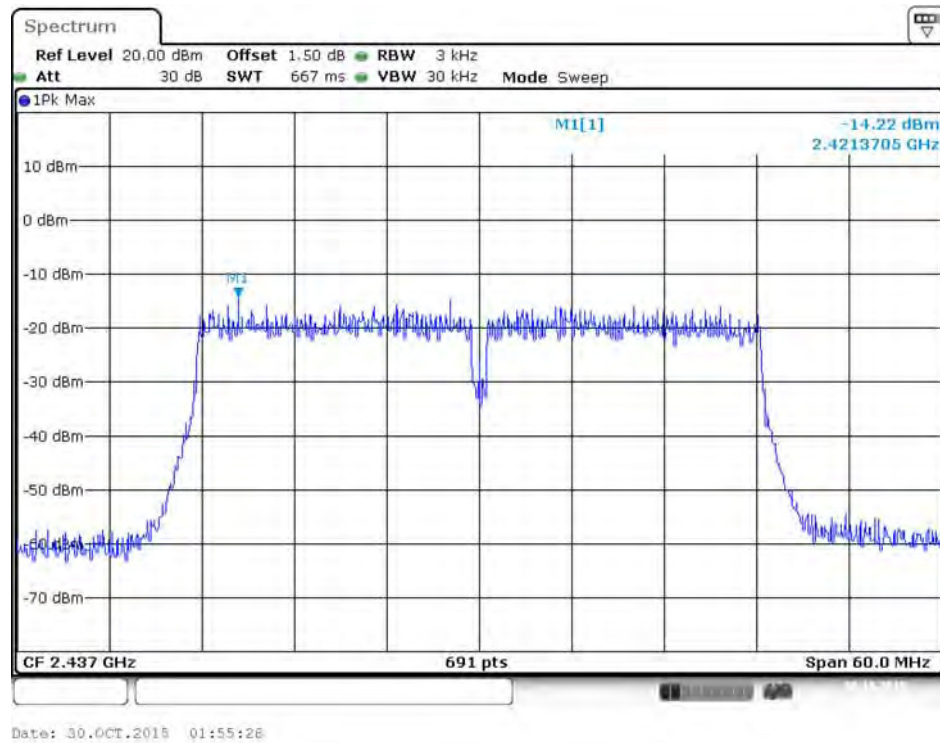
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 4



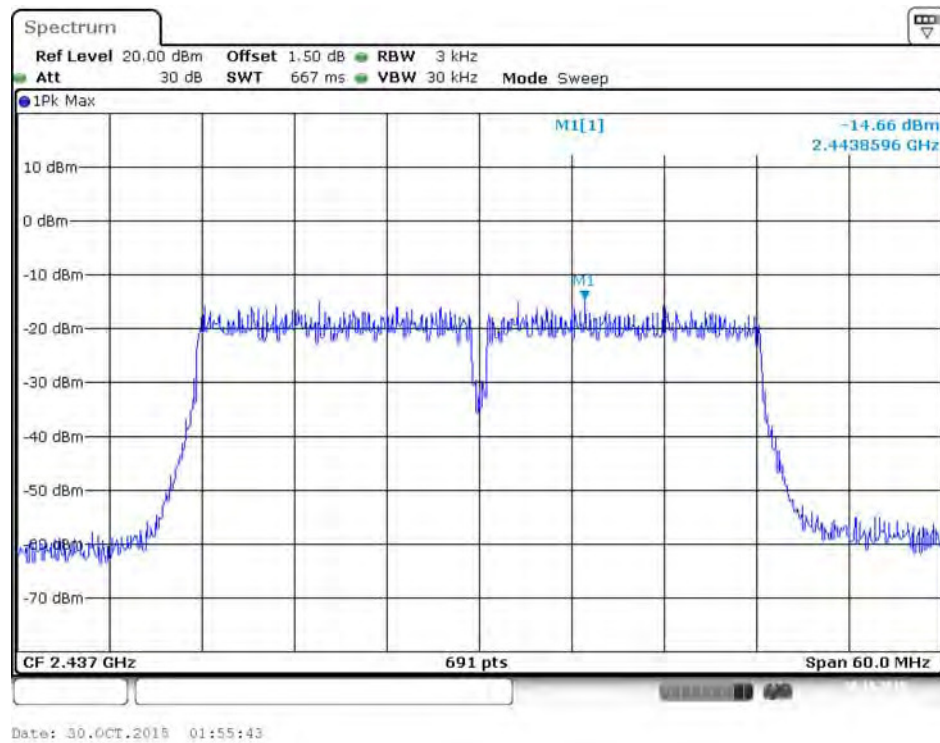
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



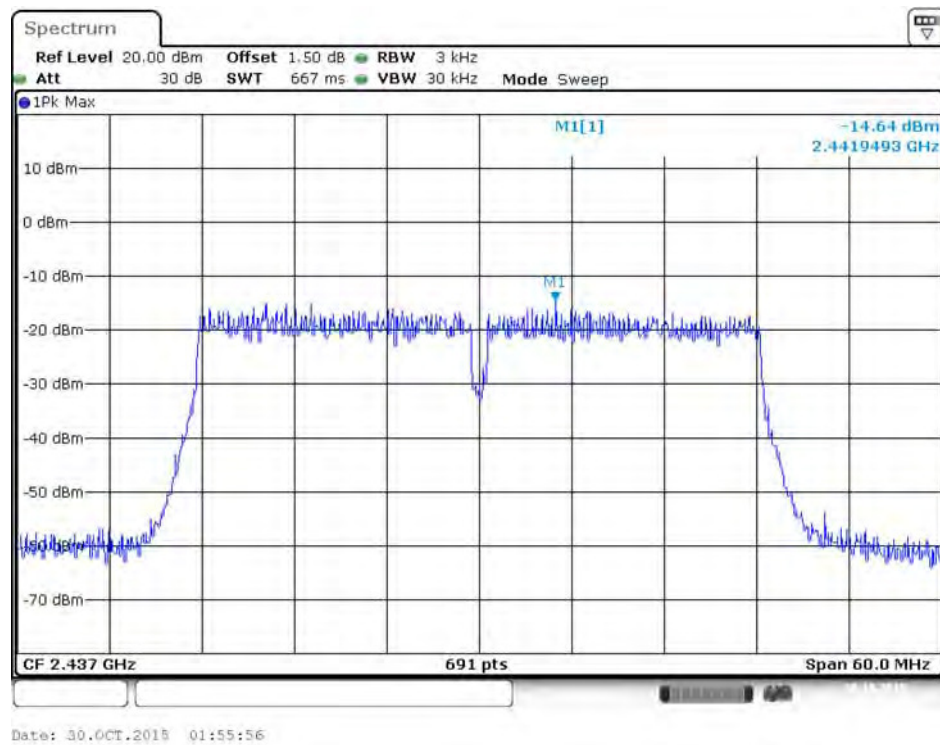
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



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

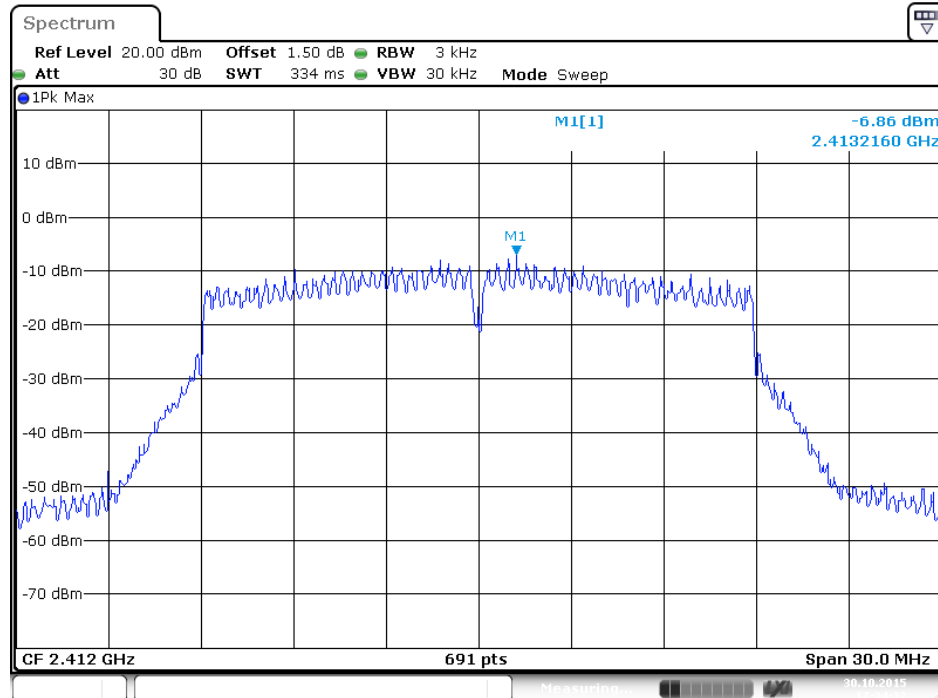


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4



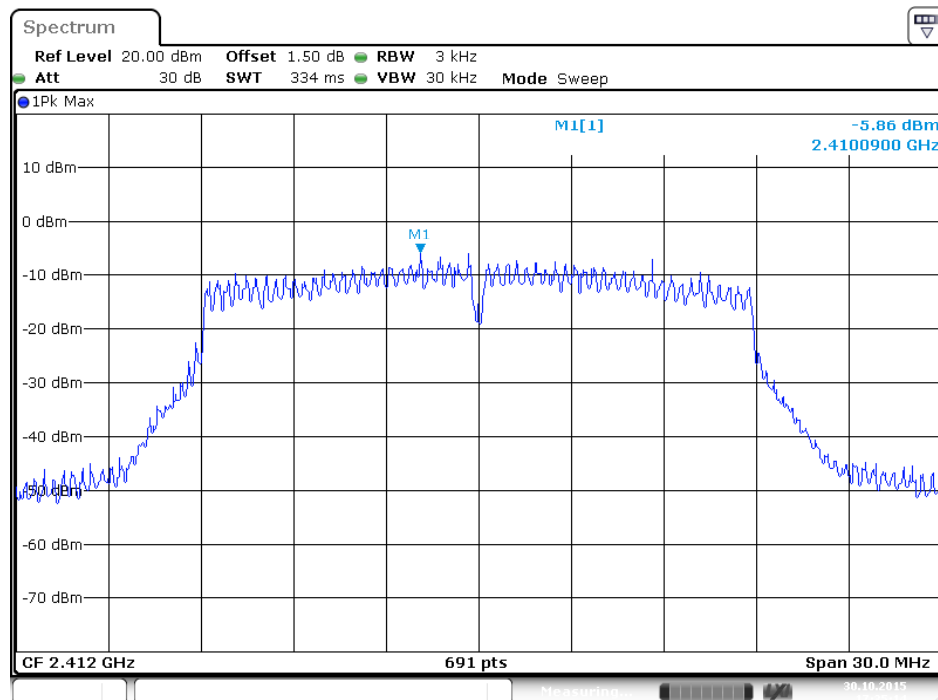
Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)

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



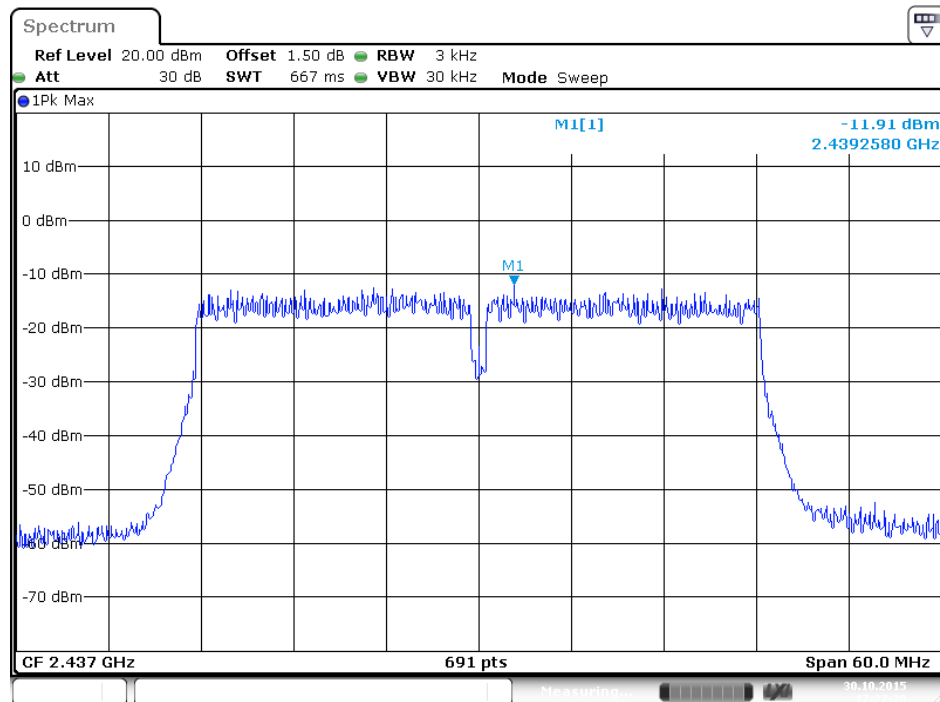
Date: 30 OCT 2015 17:34:32

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

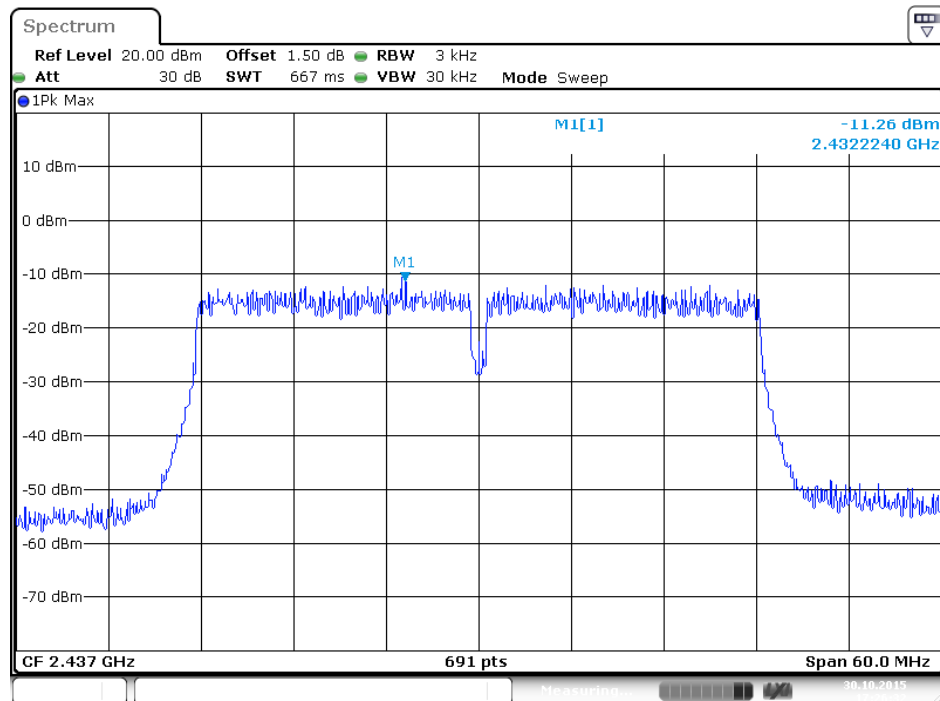


Date: 30 OCT 2015 17:35:14

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

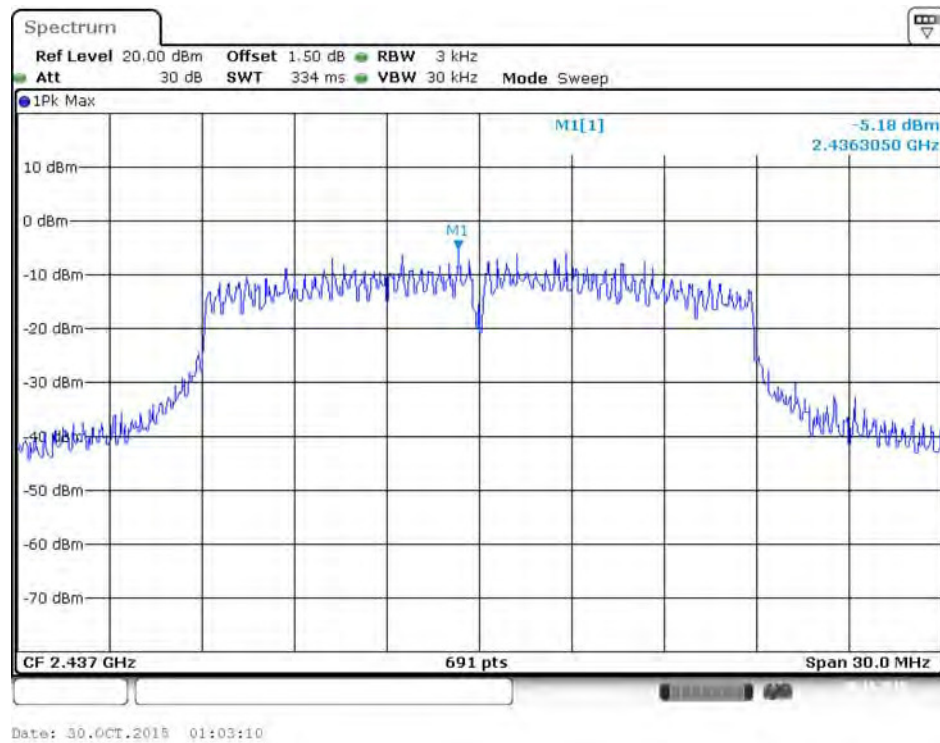


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2

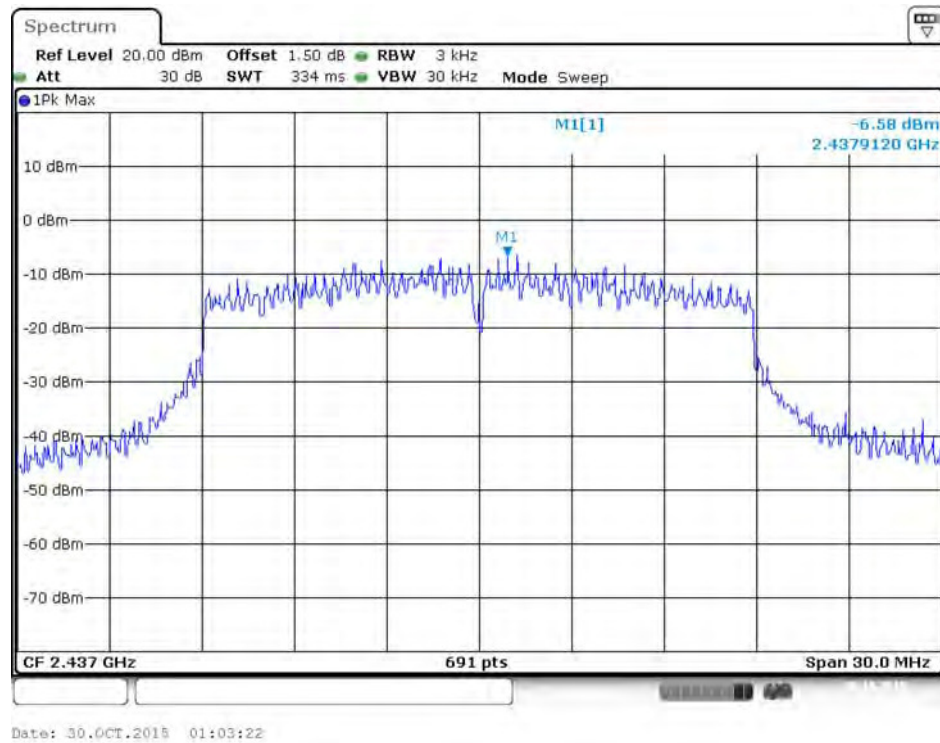


Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX)

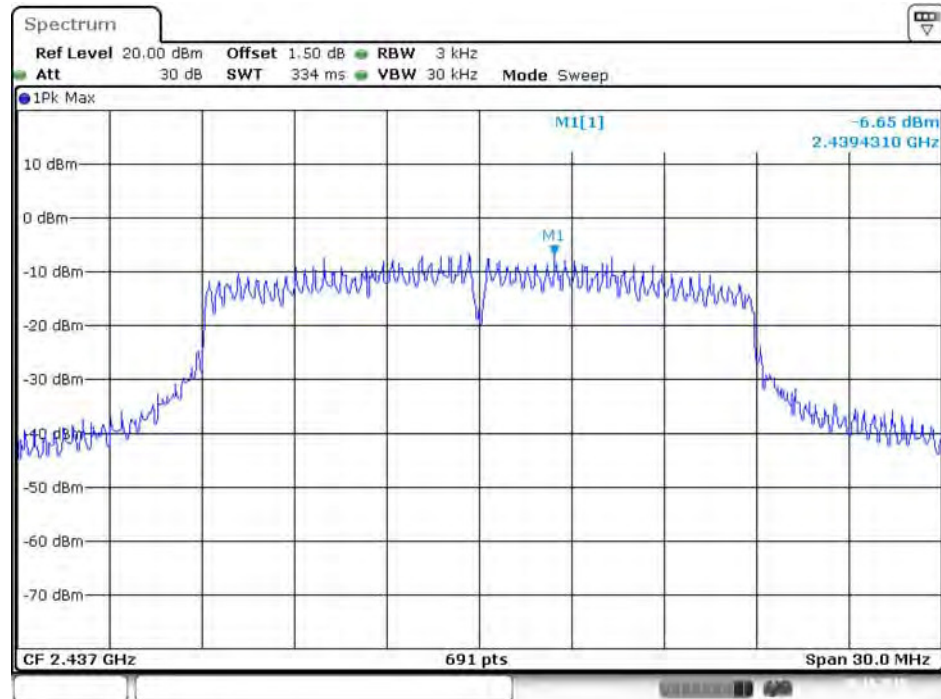
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

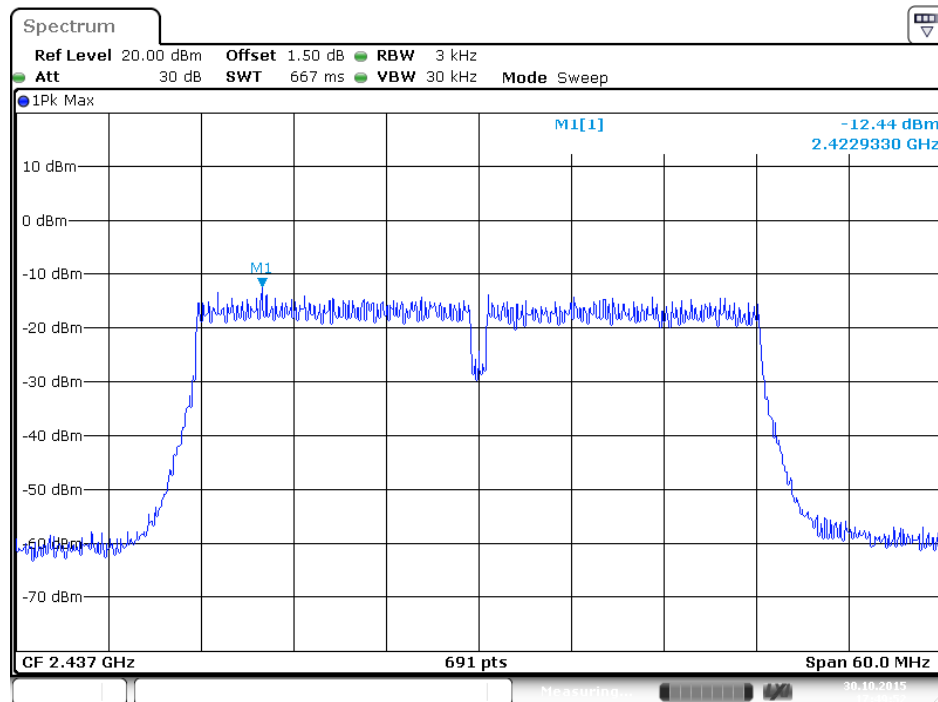


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3

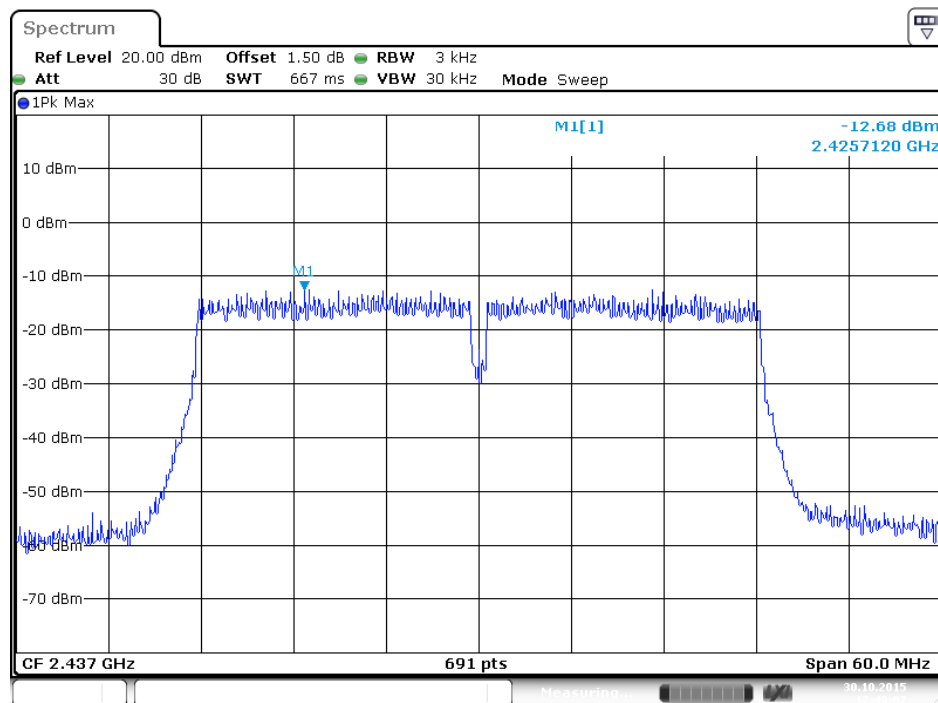


Date: 30.OCT.2015 01:03:34

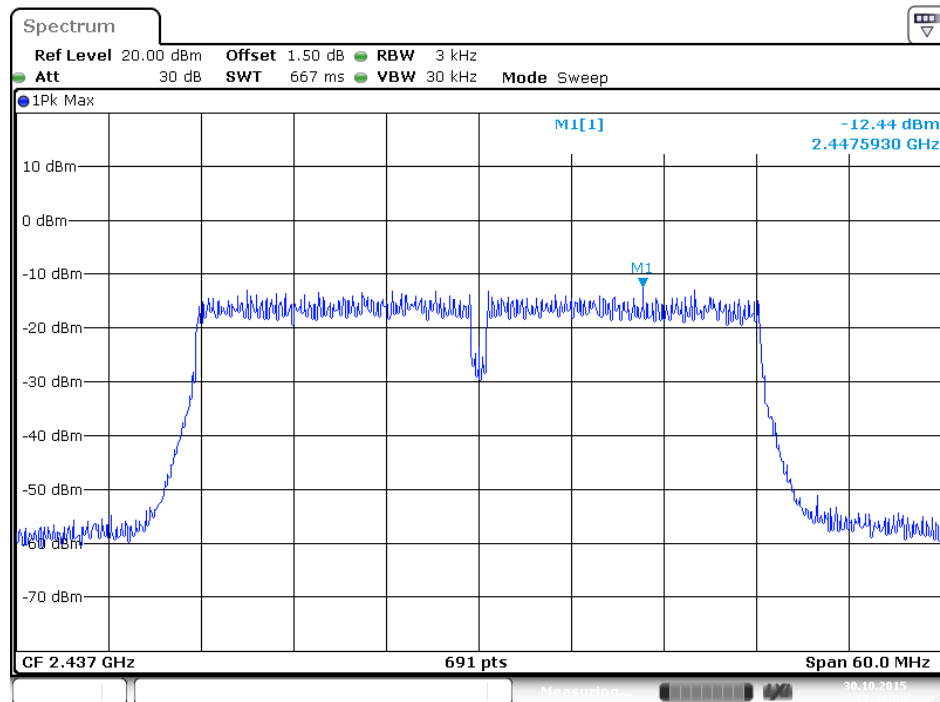
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



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



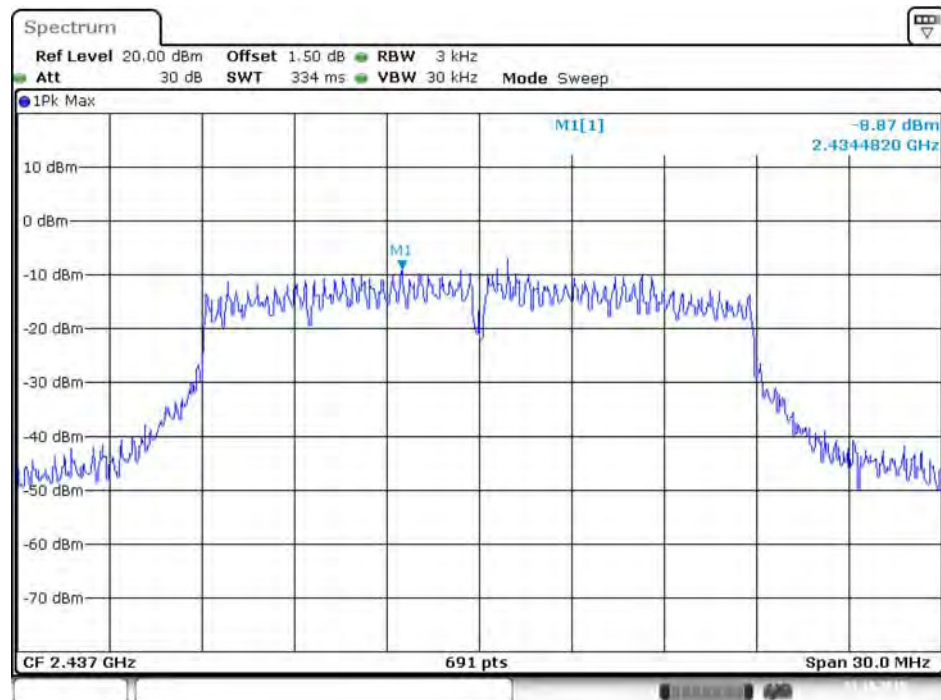
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



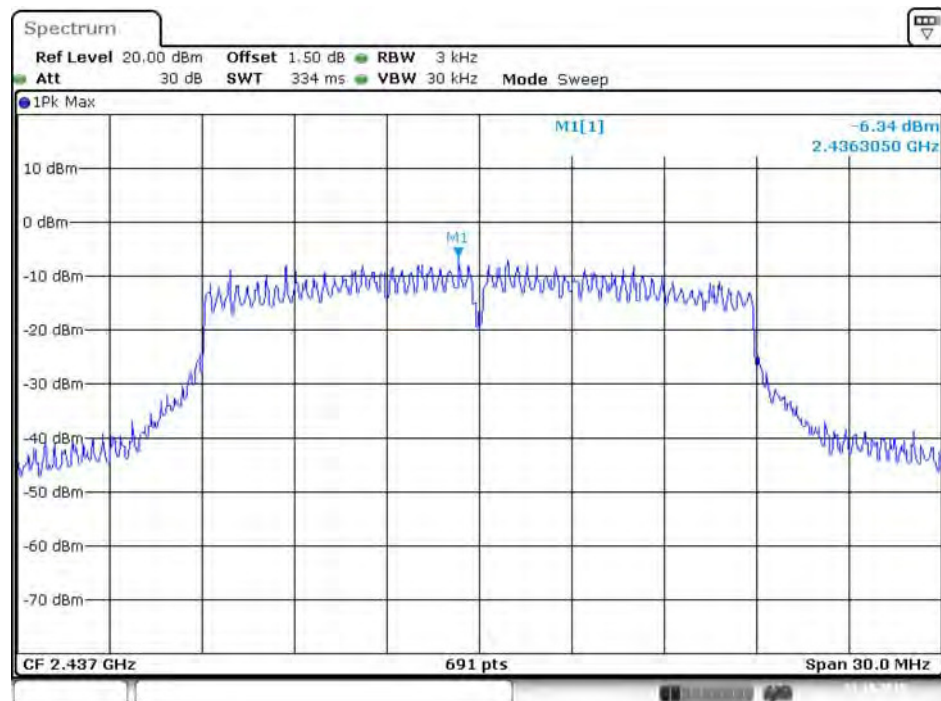
Date: 30 OCT 2015 17:48:03

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

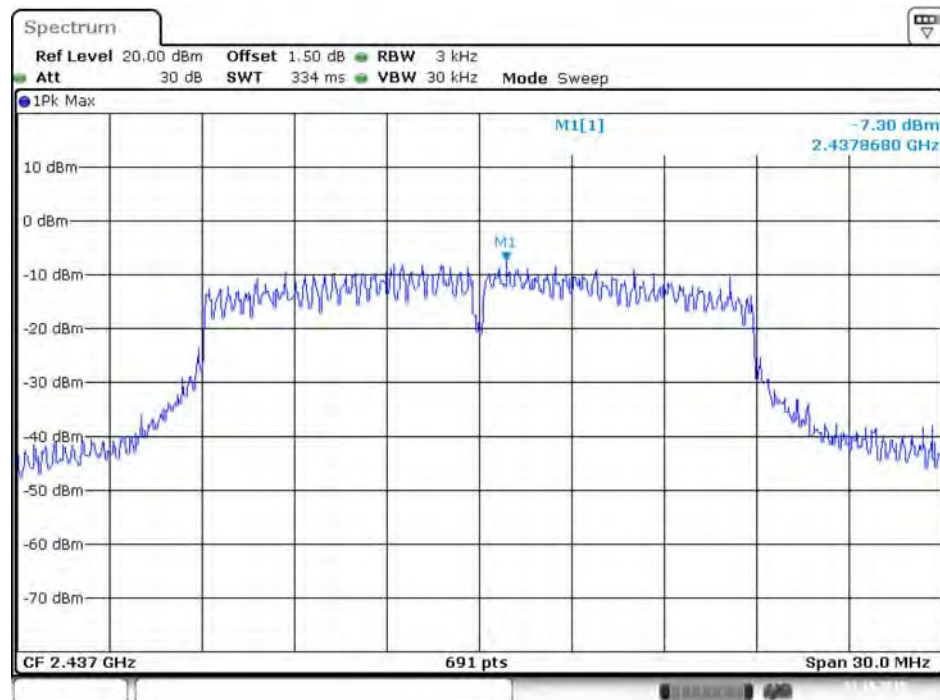
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

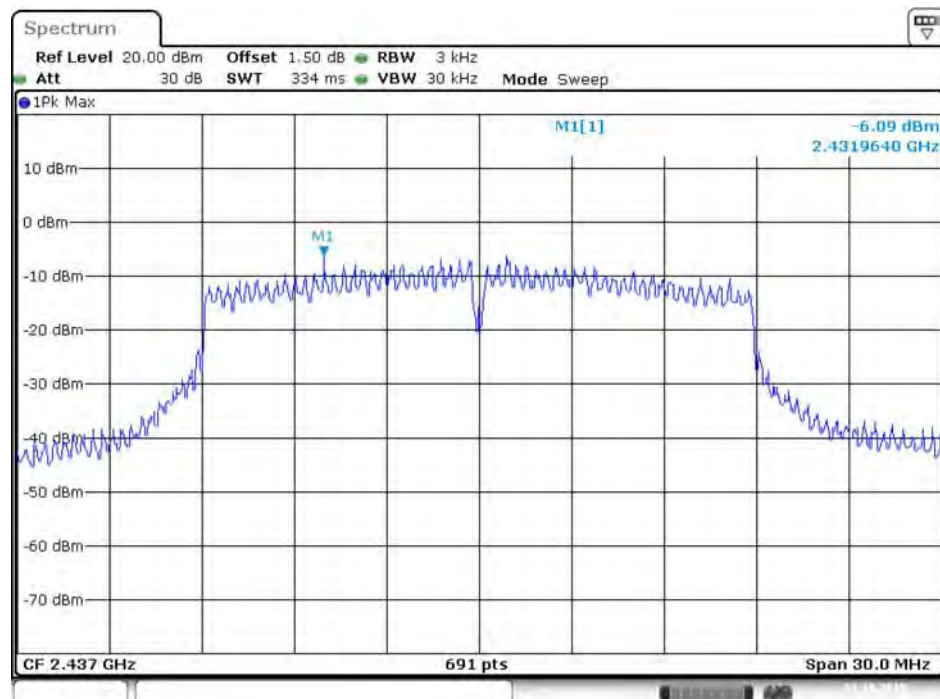


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



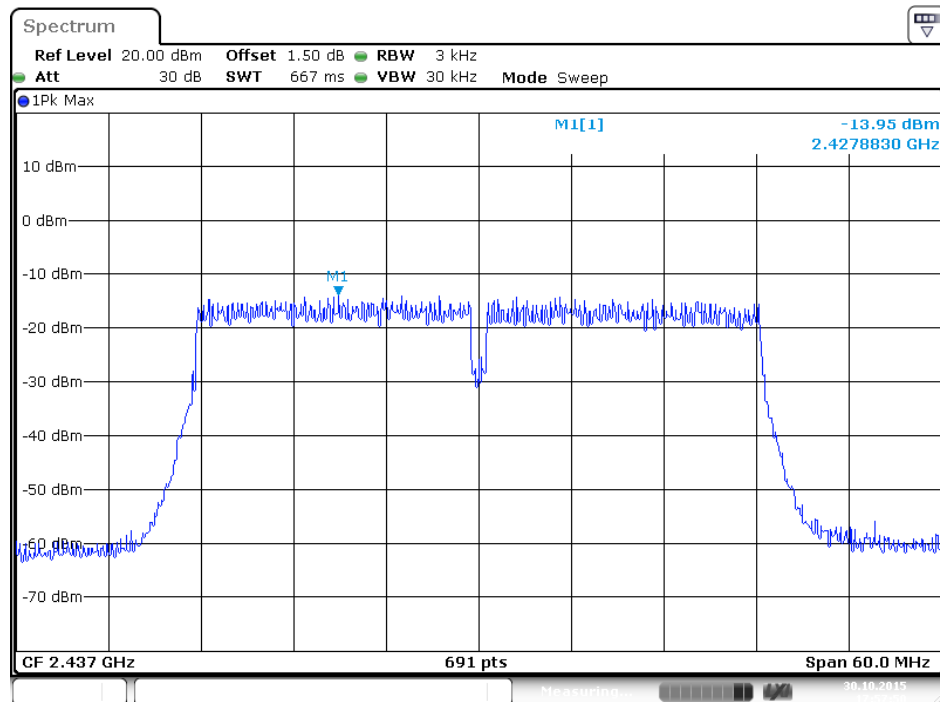
Date: 31.OCT.2015 23:16:02

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



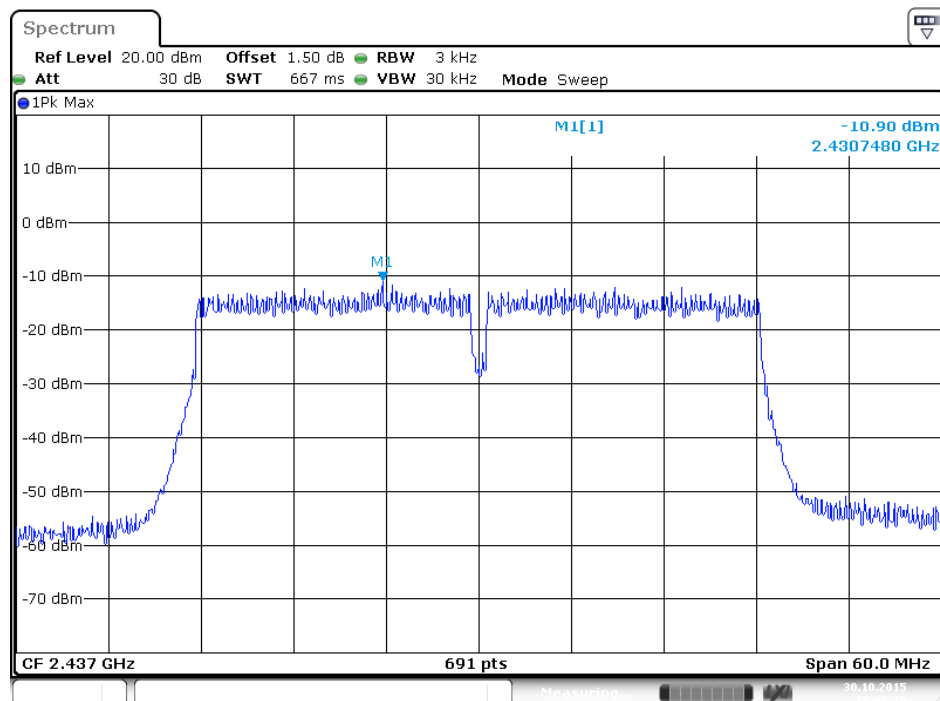
Date: 31.OCT.2015 23:16:11

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



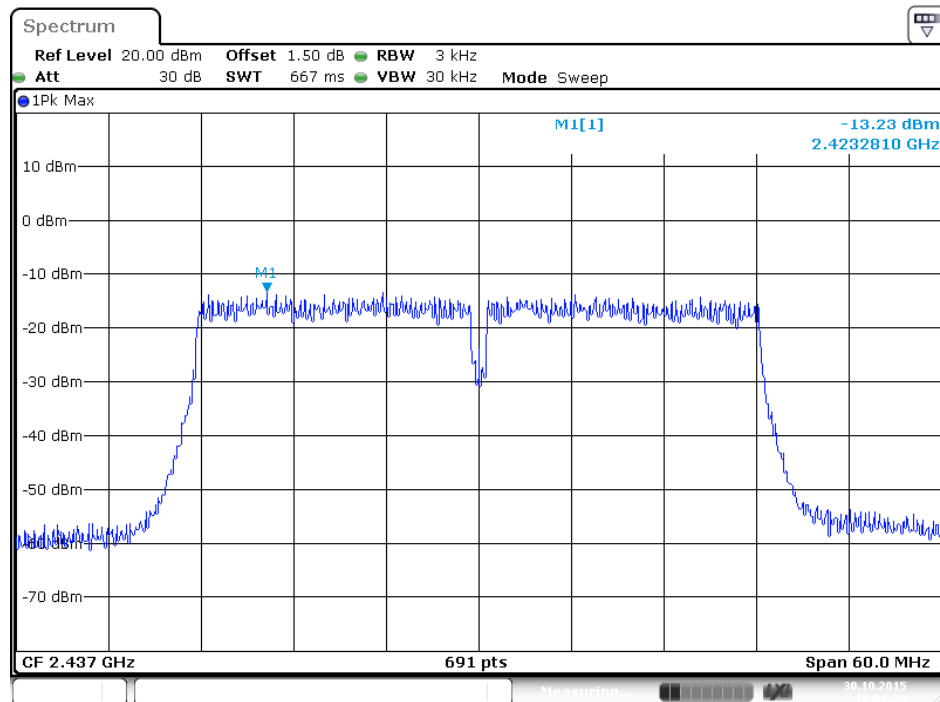
Date: 30 OCT 2015 17:57:50

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

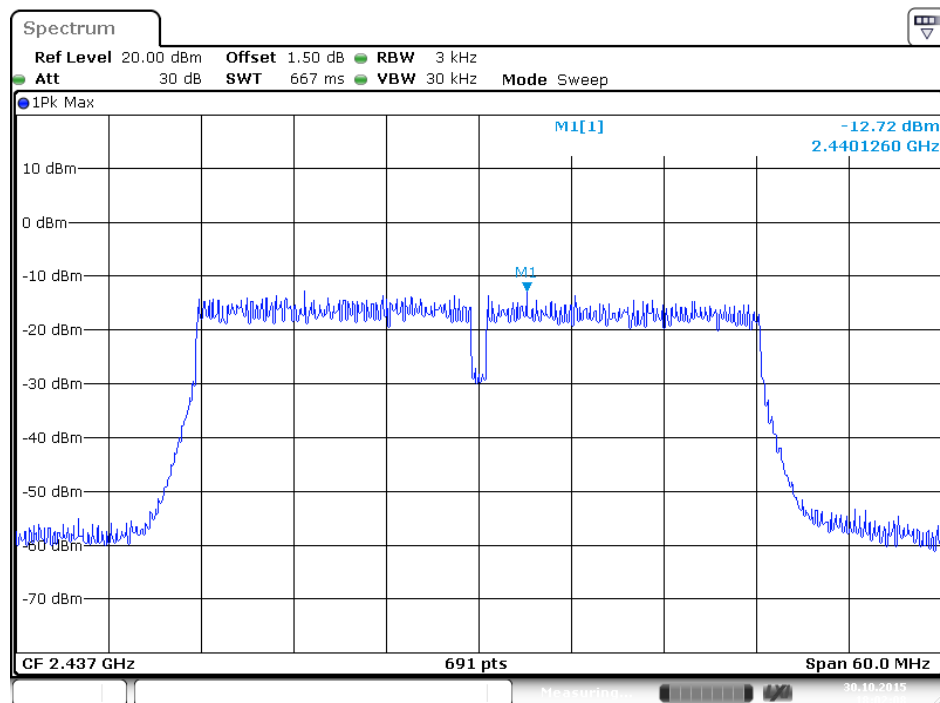


Date: 30 OCT 2015 18:00:29

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

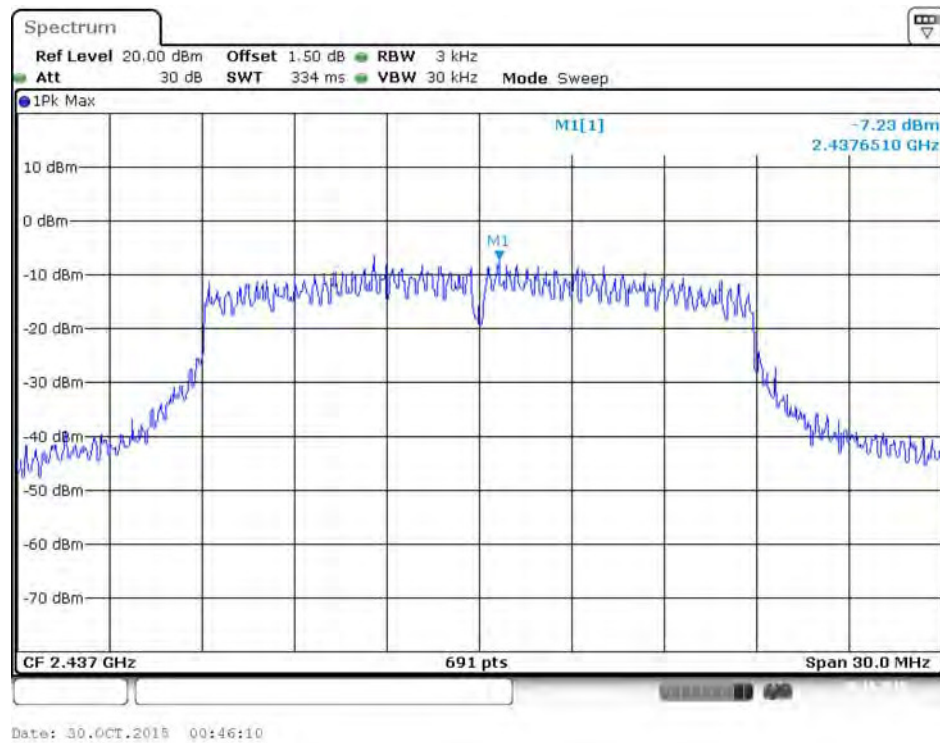


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 4

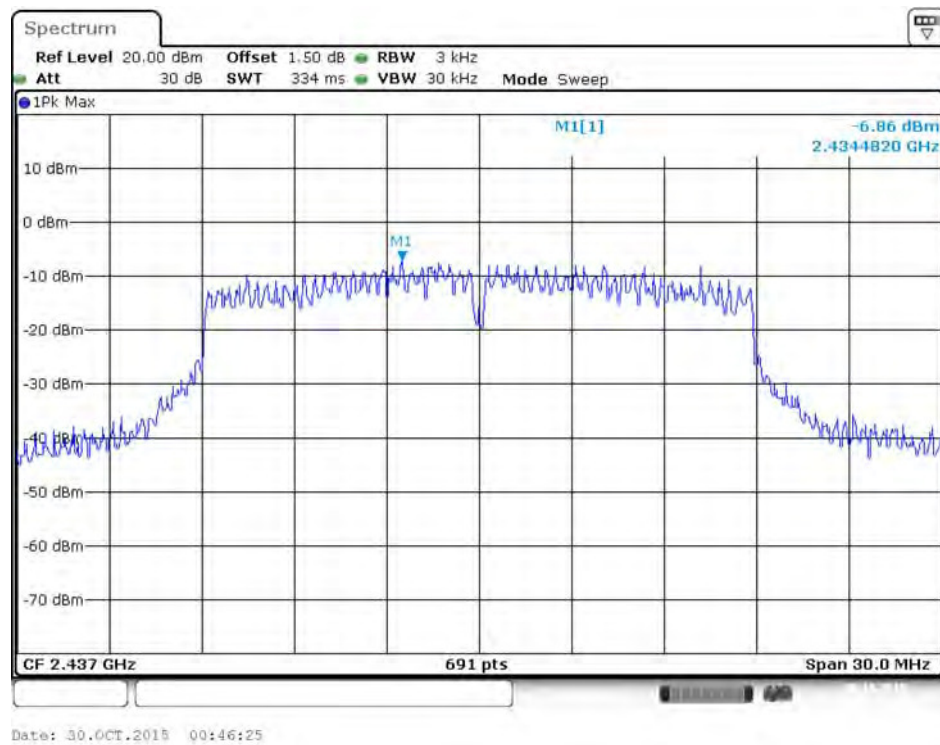


Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi / 2TX)

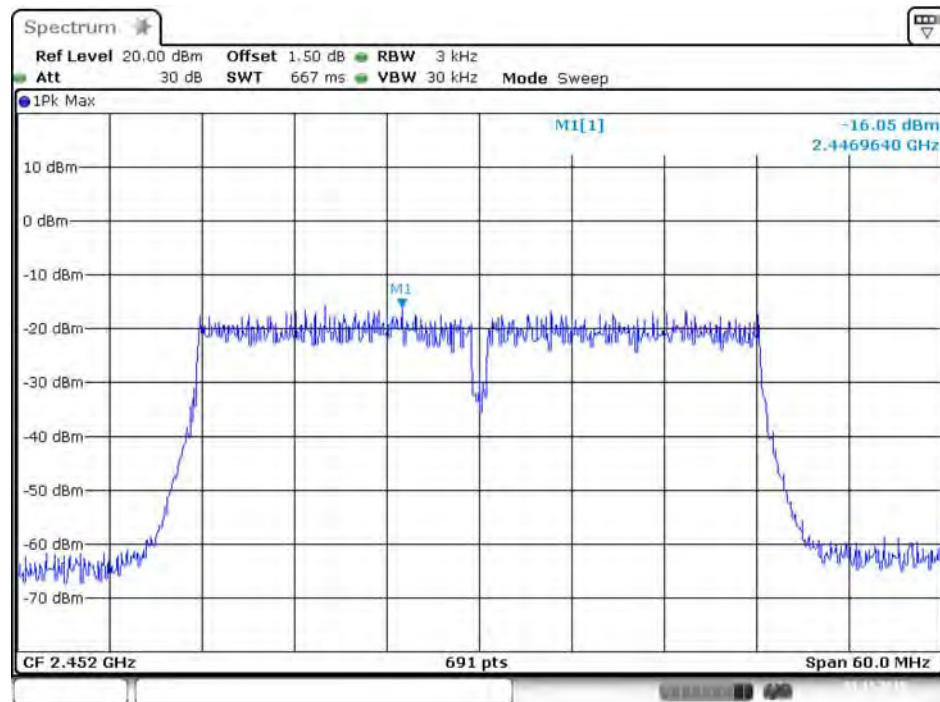
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

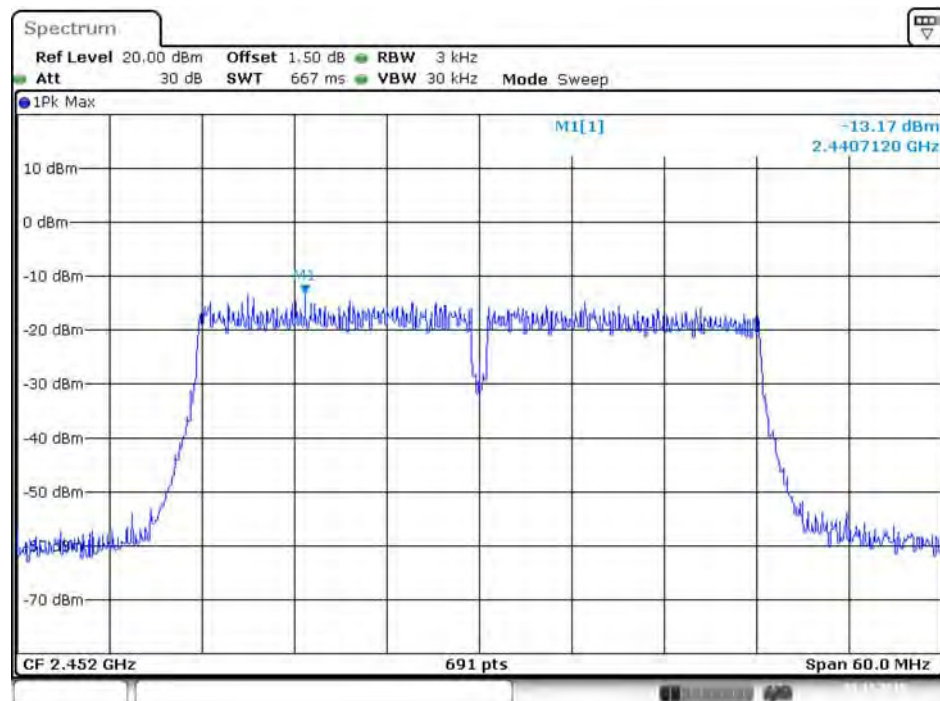


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



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

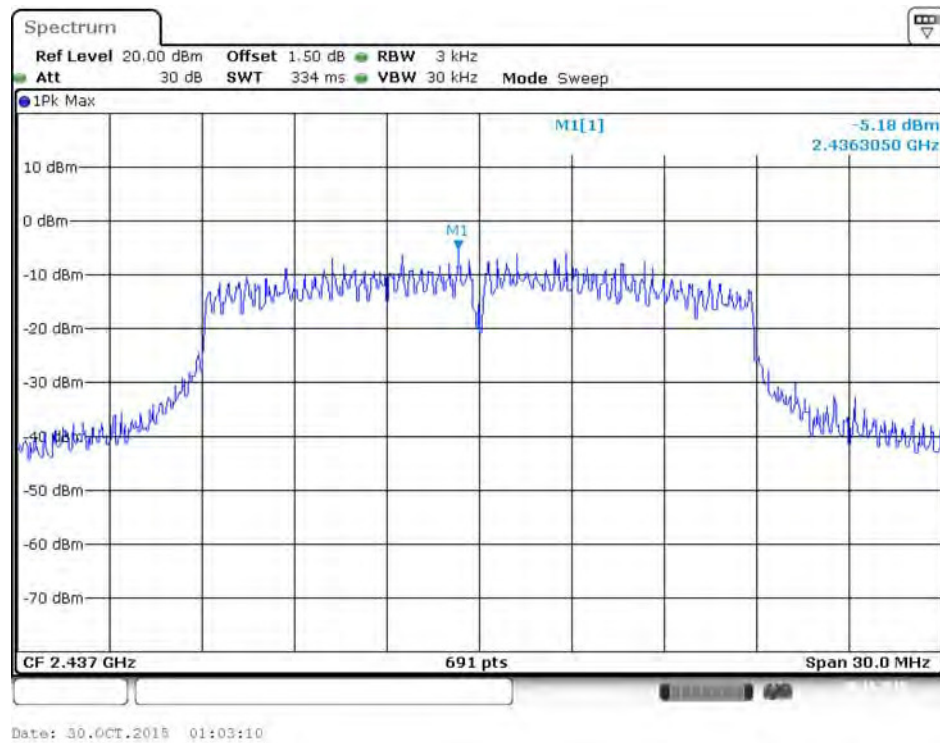
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 2



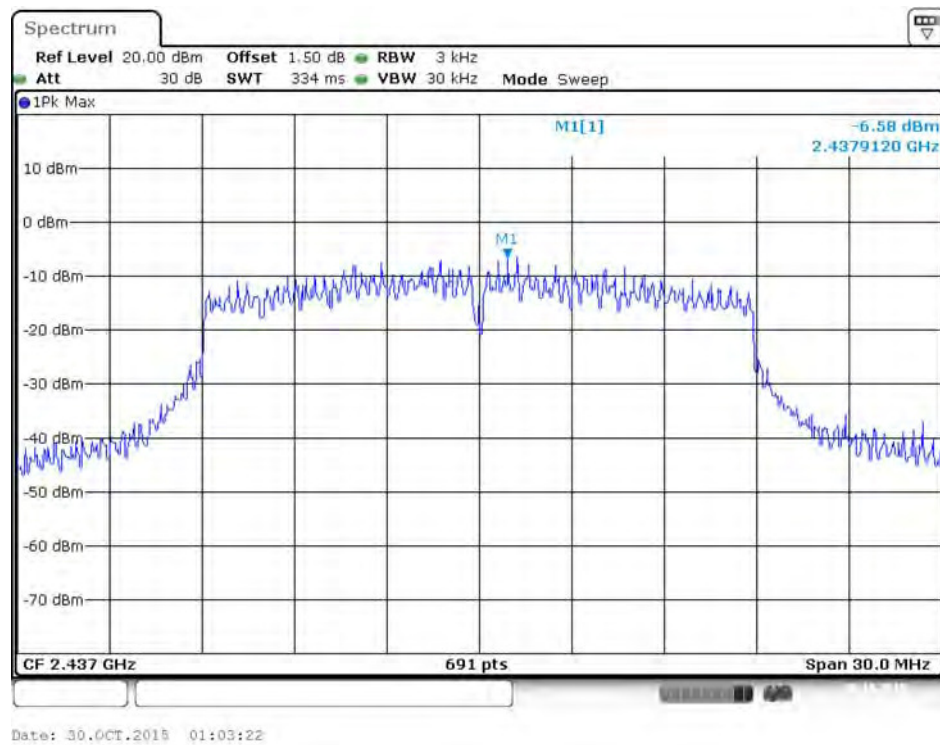
Date: 1.NOV.2015 01:13:51

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

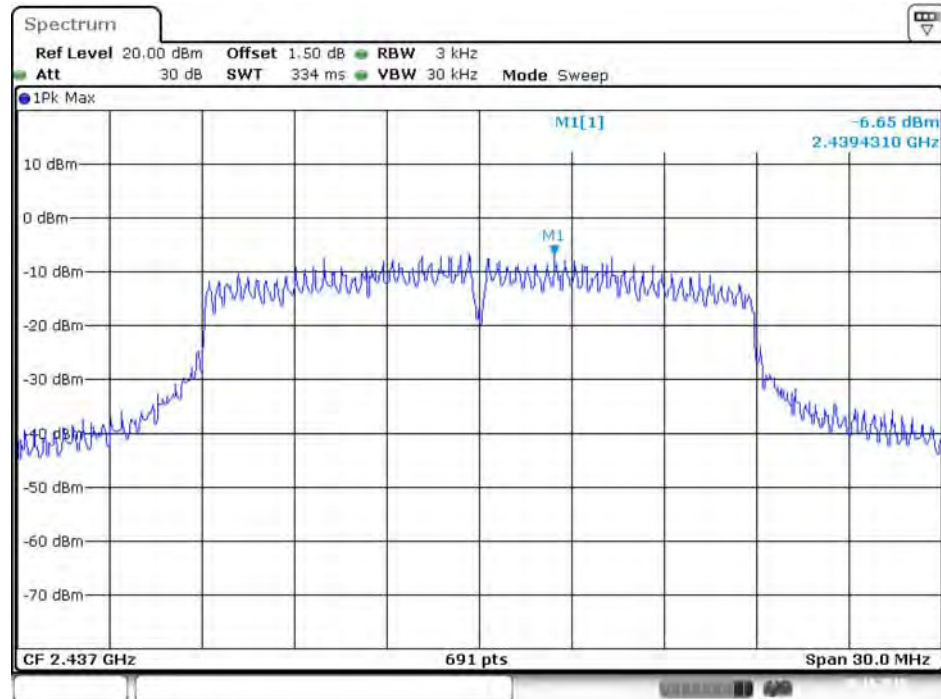
Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

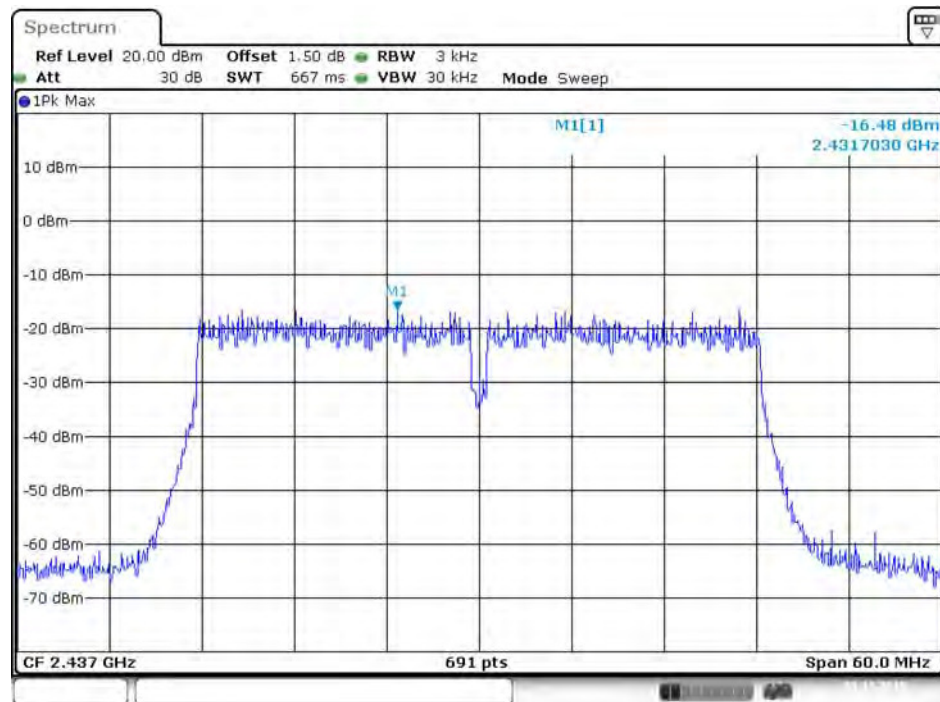


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 3



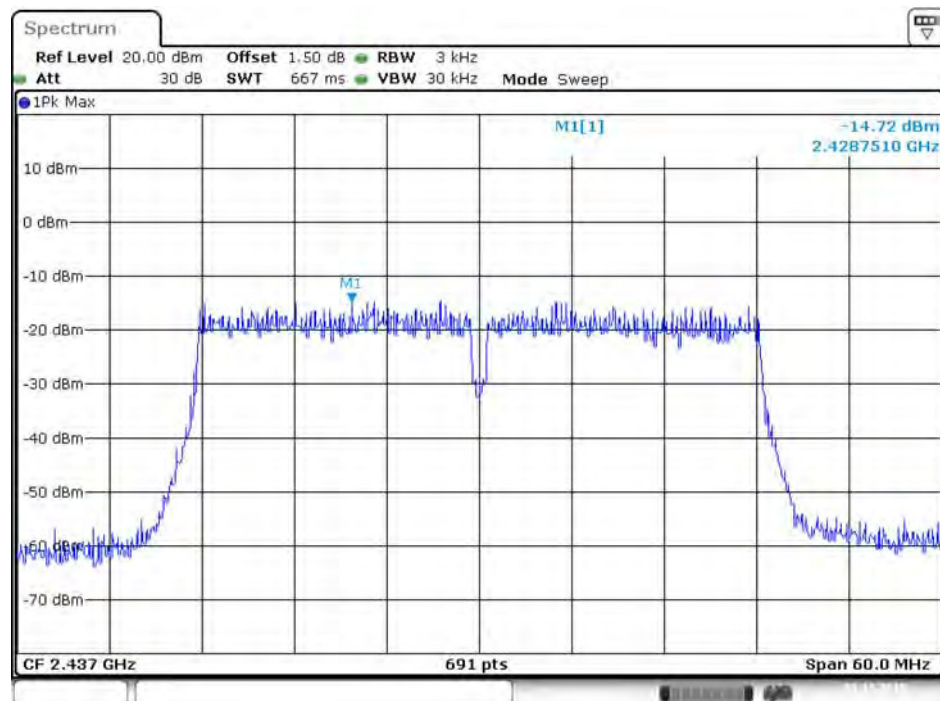
Date: 30.OCT.2015 01:03:34

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



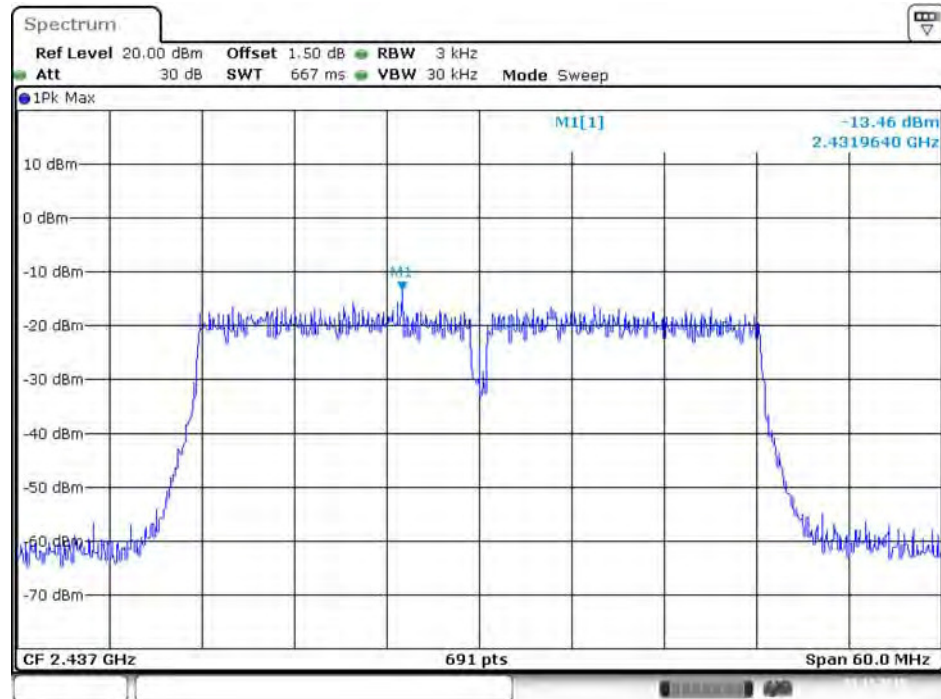
Date: 1.NOV.2015 01:10:15

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



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

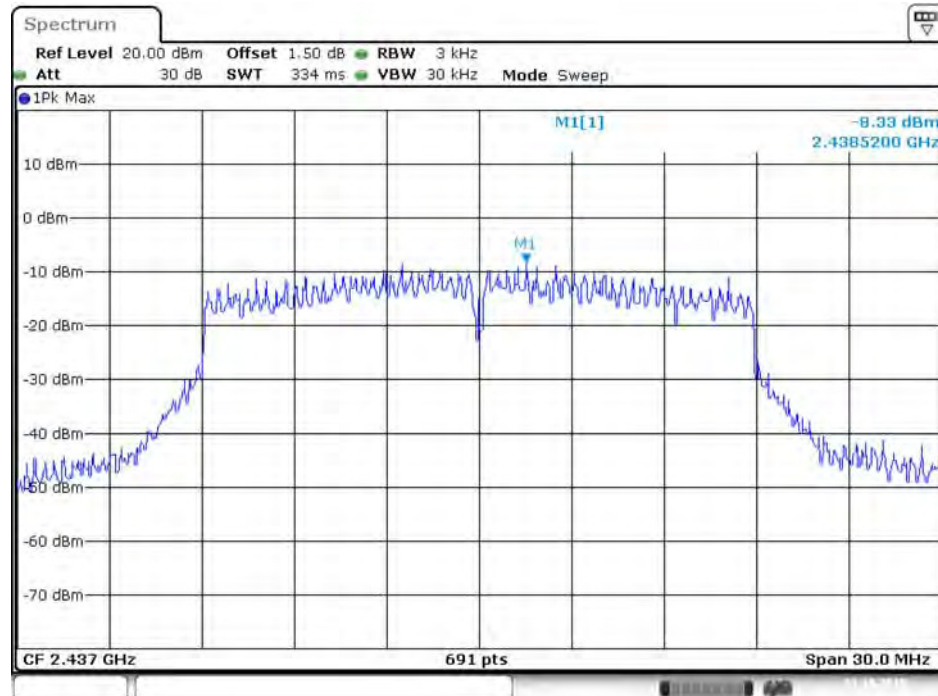
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 3



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

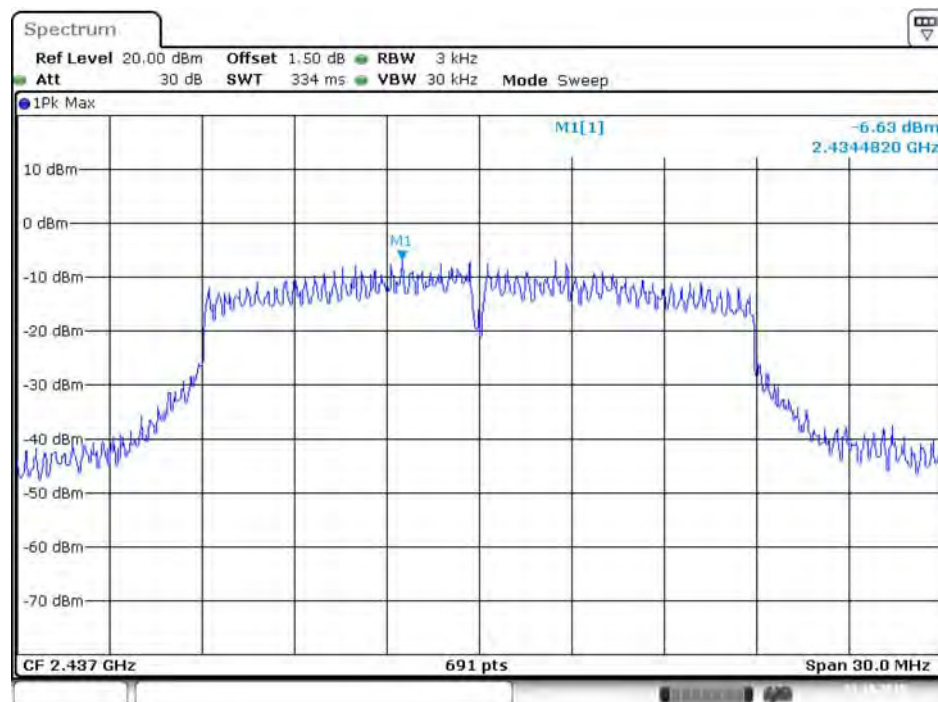
Mode 6 (Set 9 Monopole antenna / Chain 1: 5.2dBi, Chain 2: 3.7dBi, Chain 3: 3.2dBi, Chain 4: 4.5dBi / 4TX)

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



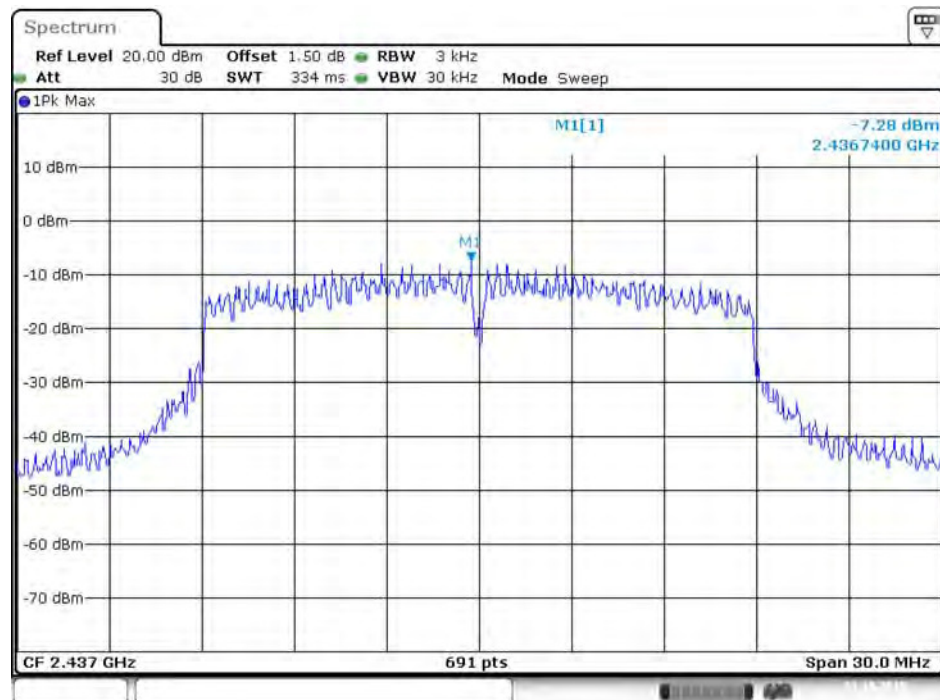
Date: 31.OCT.2015 22:35:06

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



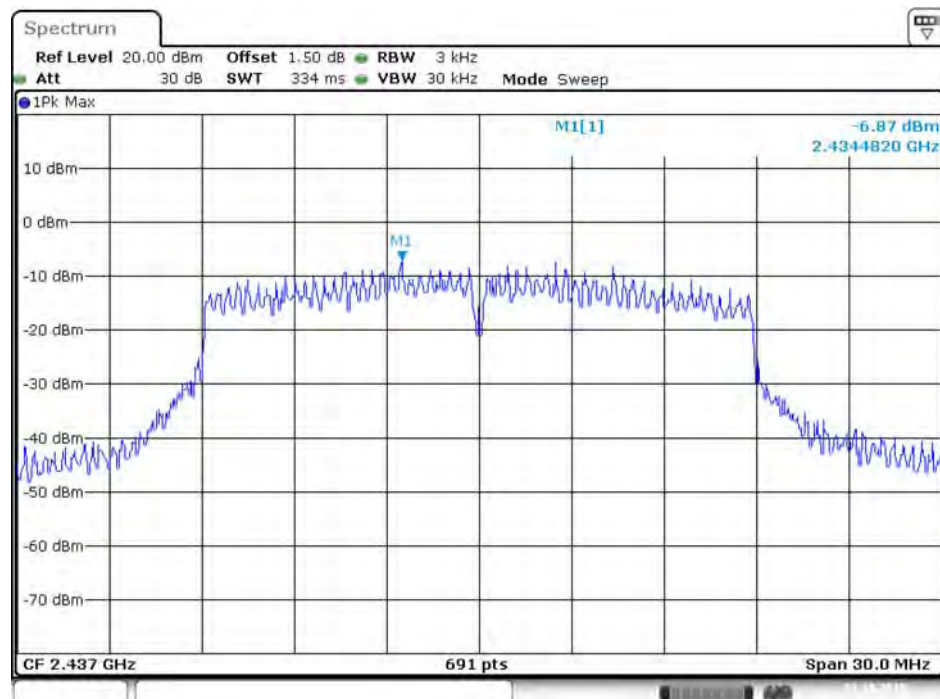
Date: 31.OCT.2015 22:35:22

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



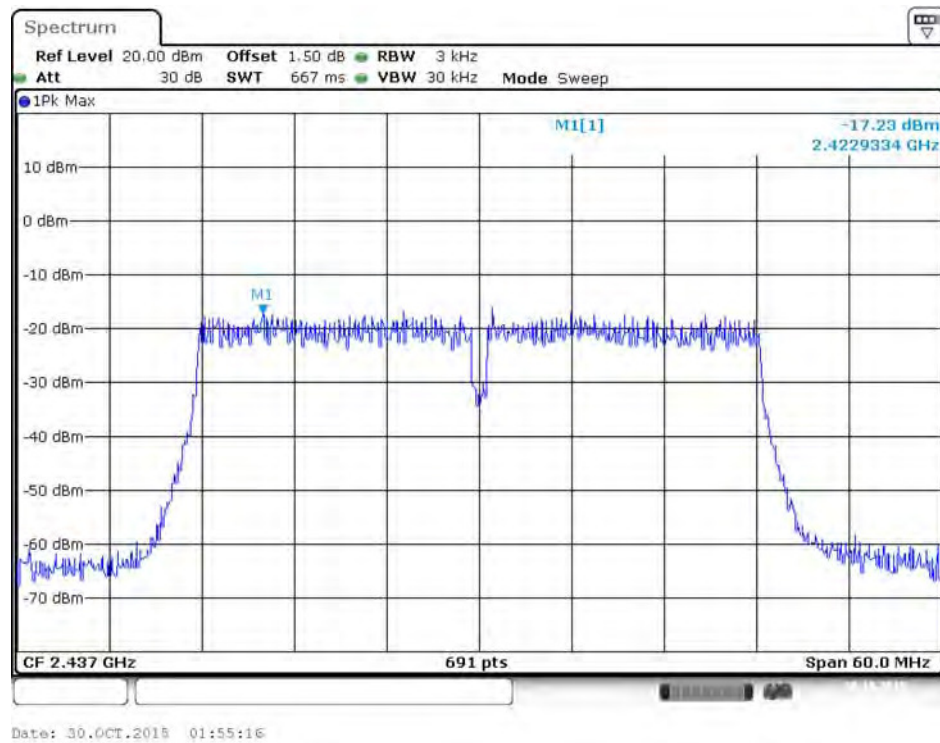
Date: 31.OCT.2015 22:35:32

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

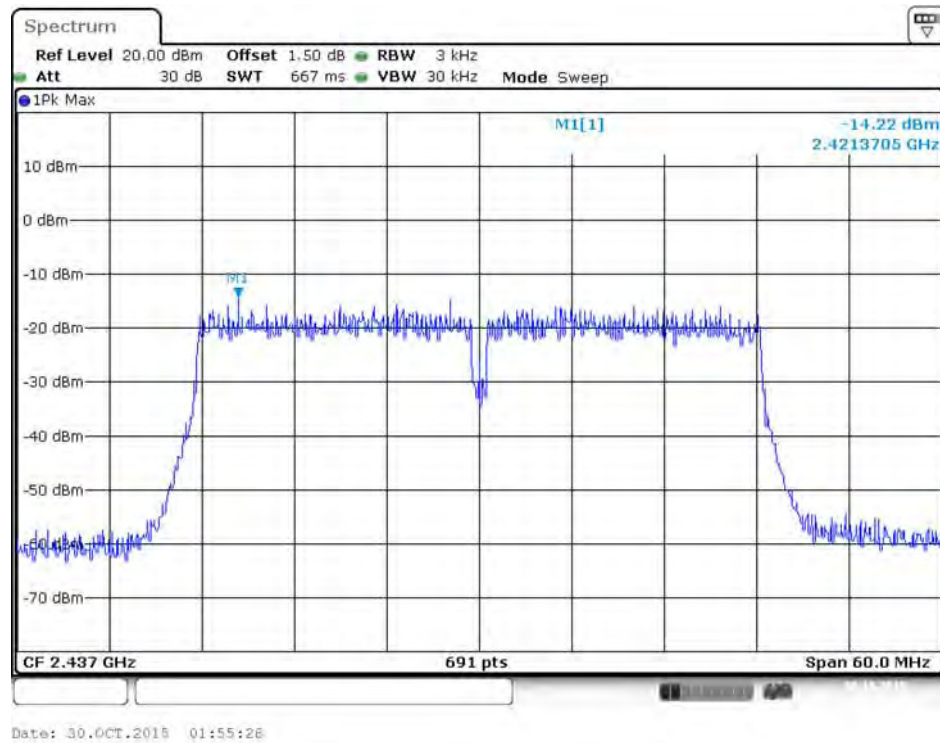


Date: 31.OCT.2015 22:35:43

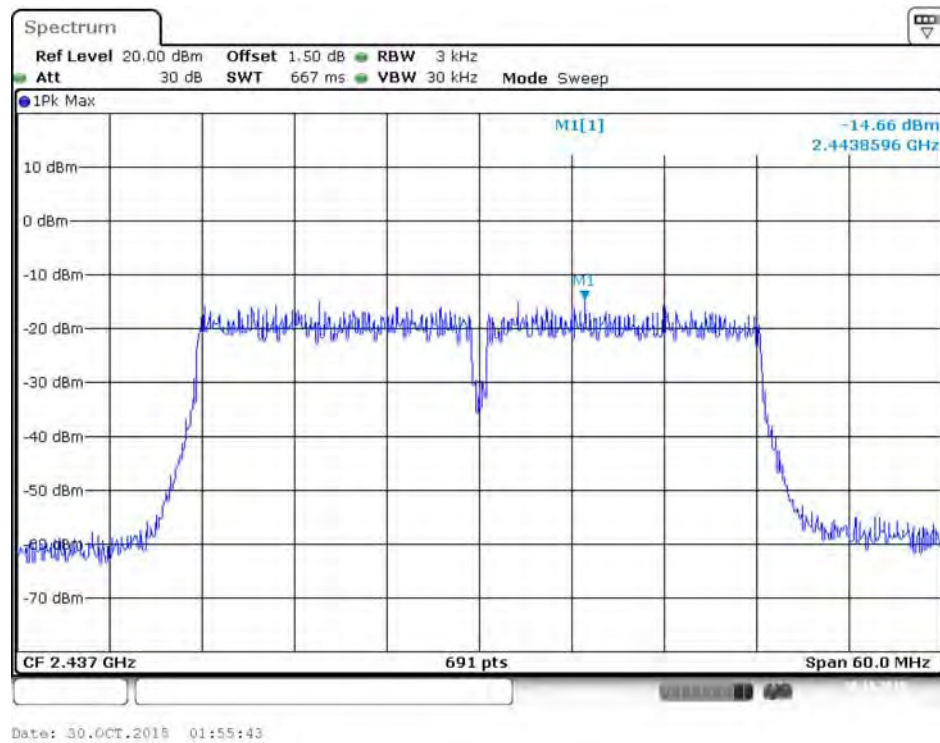
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



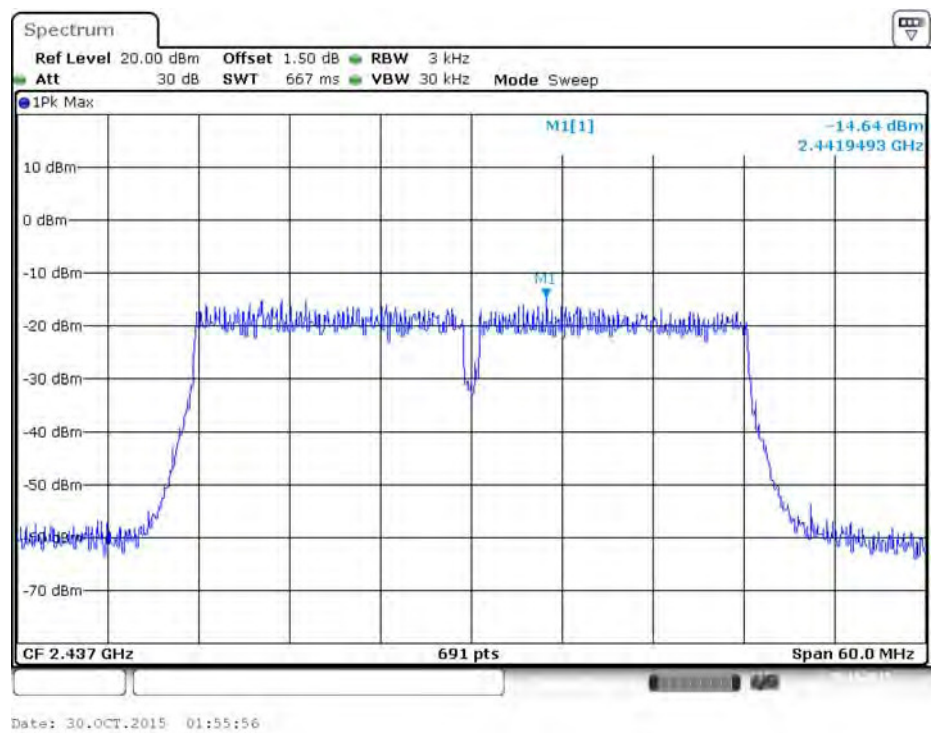
Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 2



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

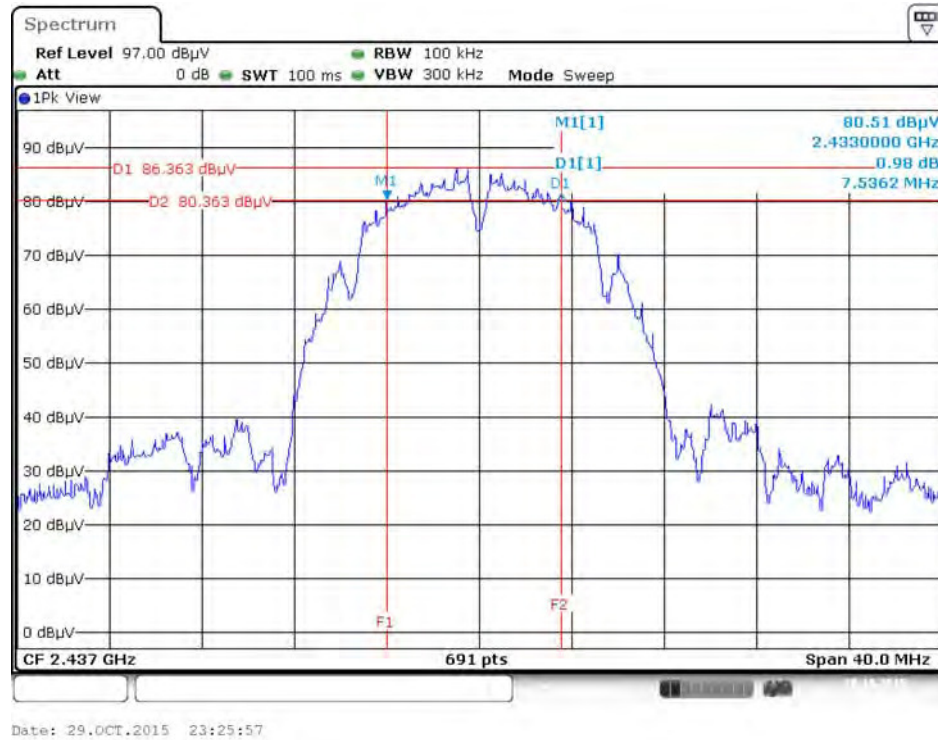
Note: All the test values were listed in the report.

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

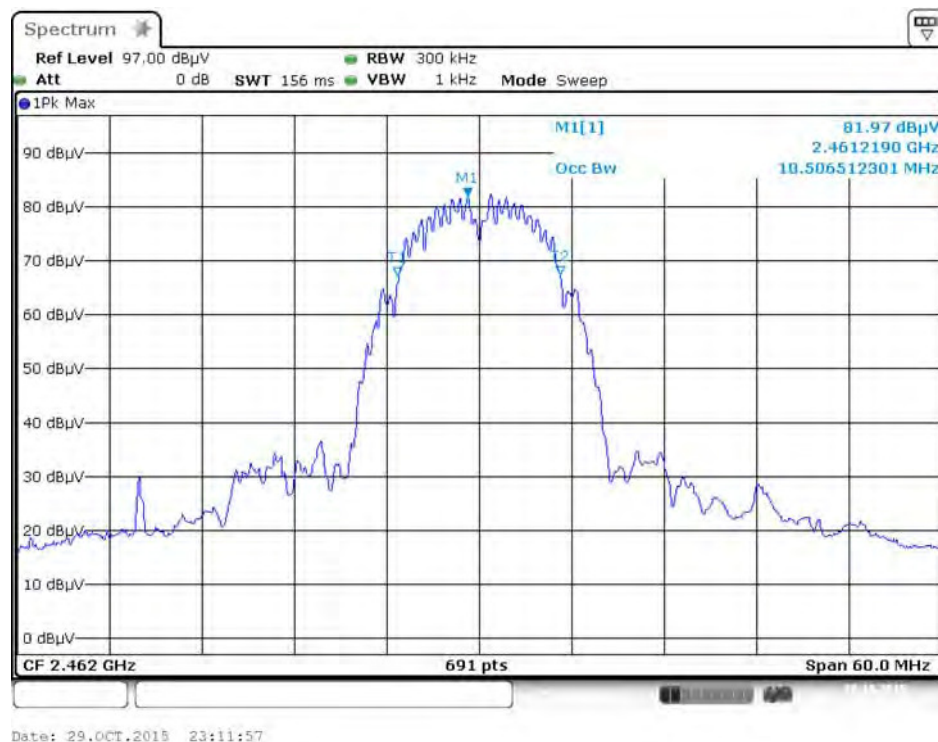
For Non-Beamforming Mode

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

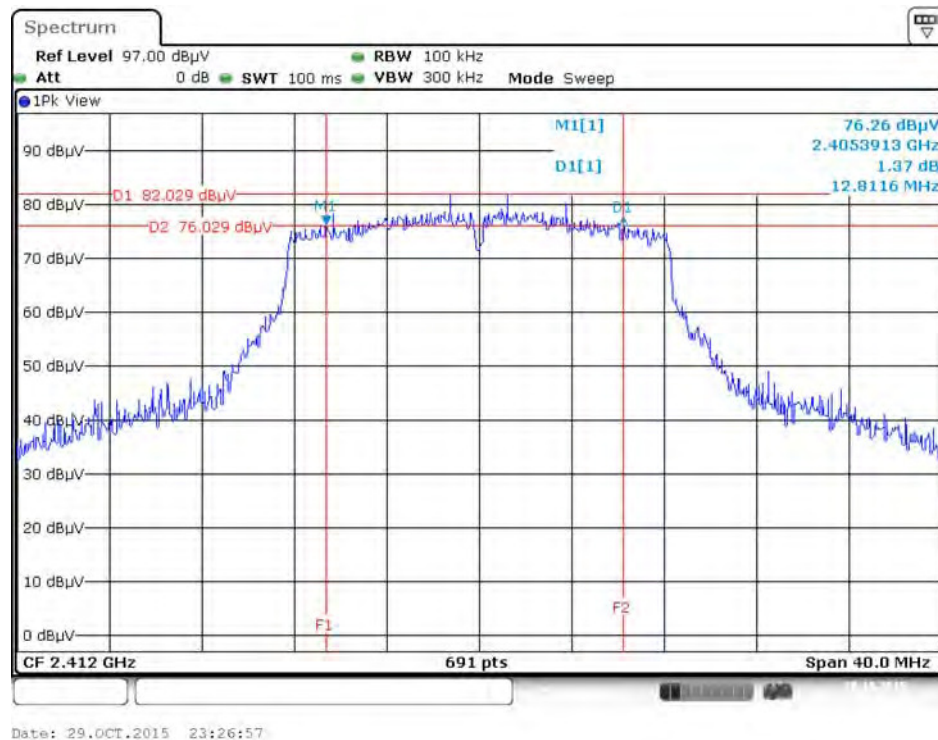
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



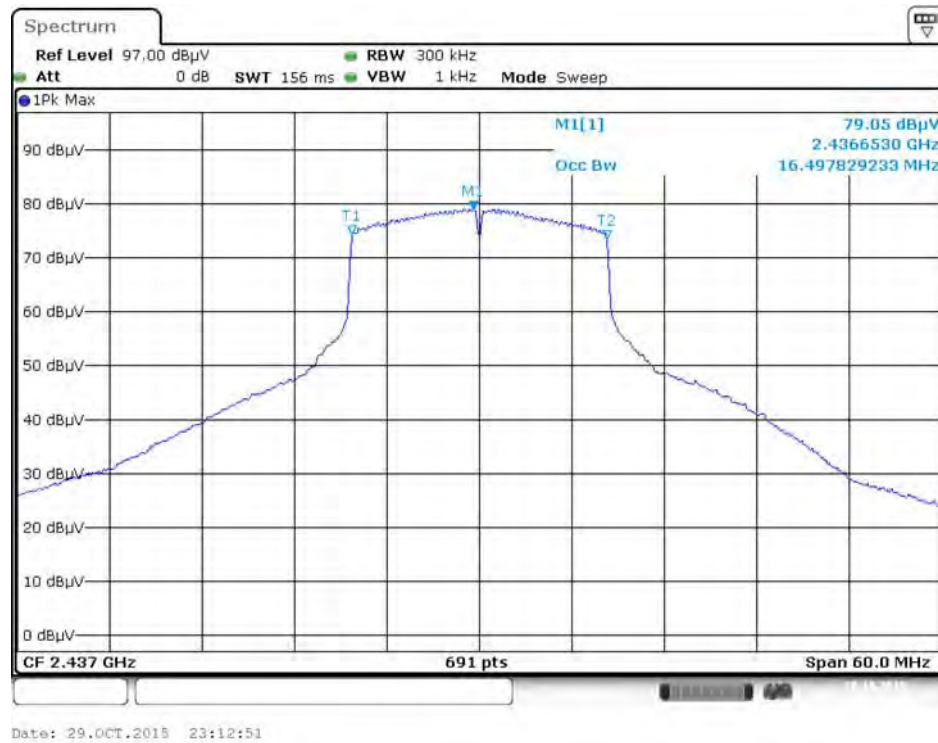
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



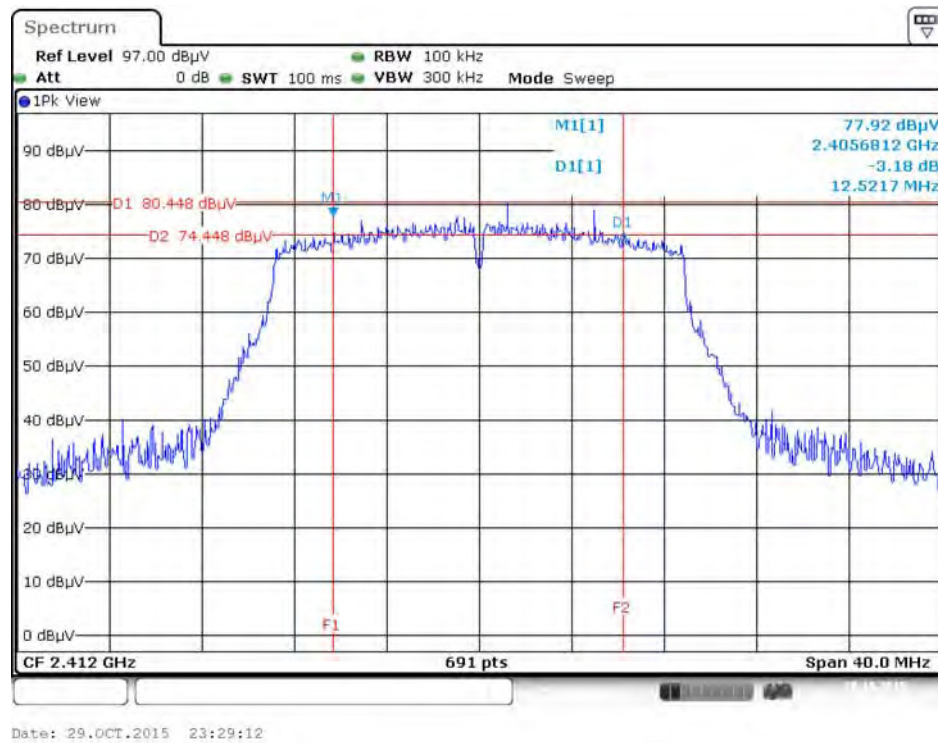
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1



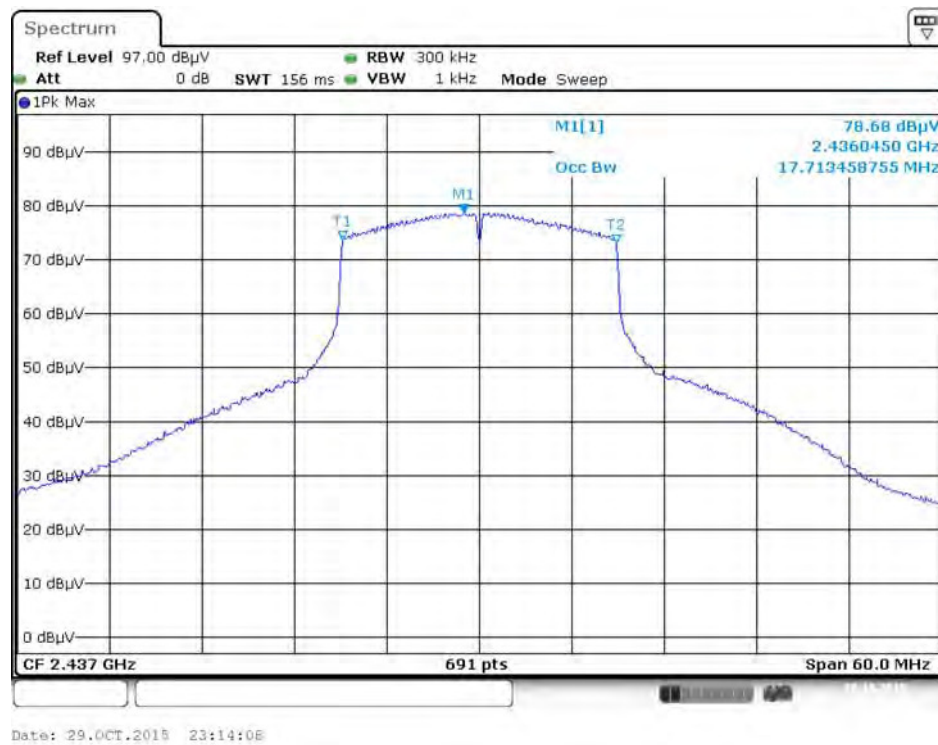
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



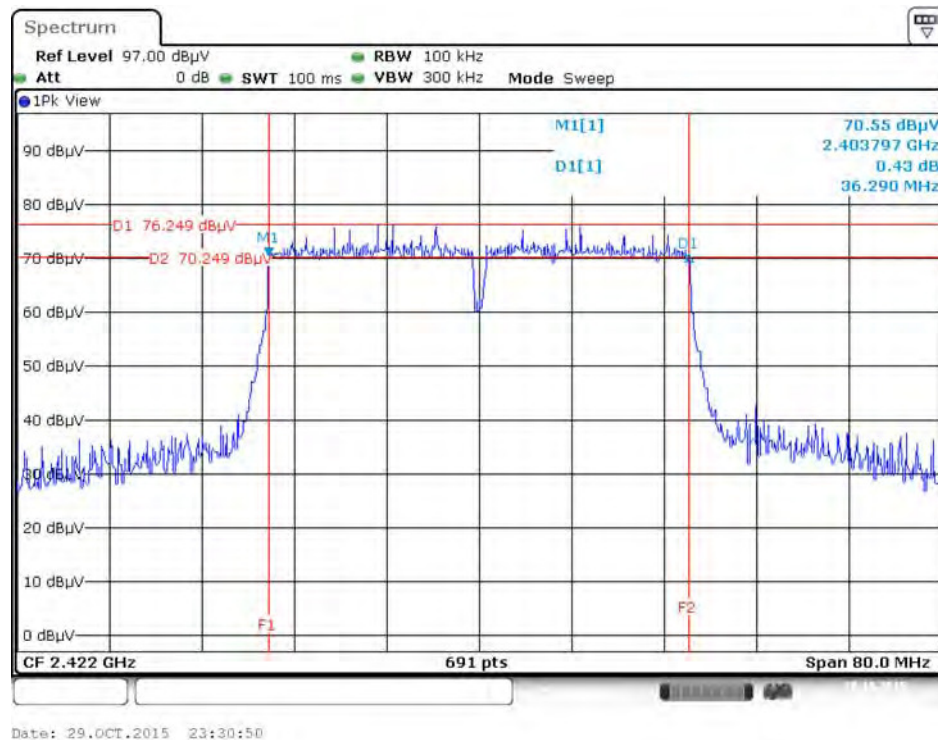
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



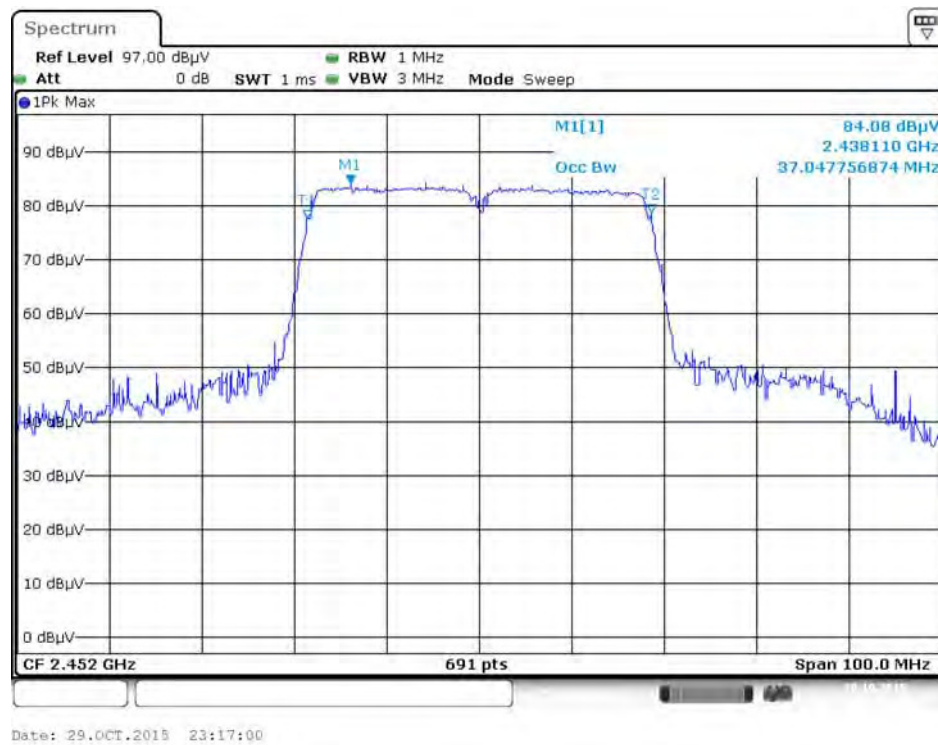
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

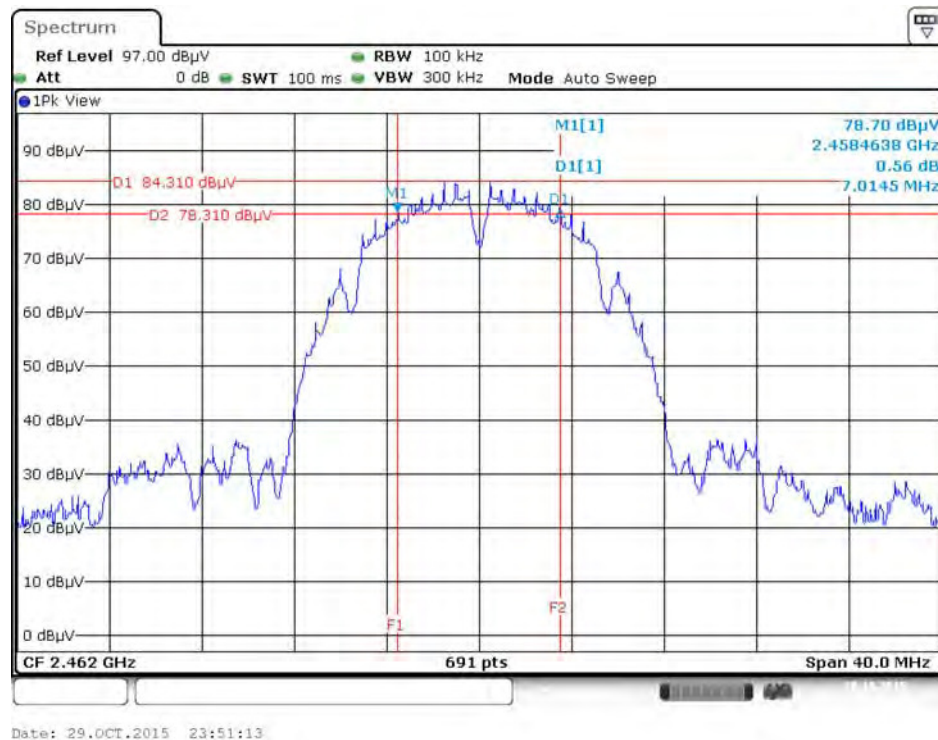


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1

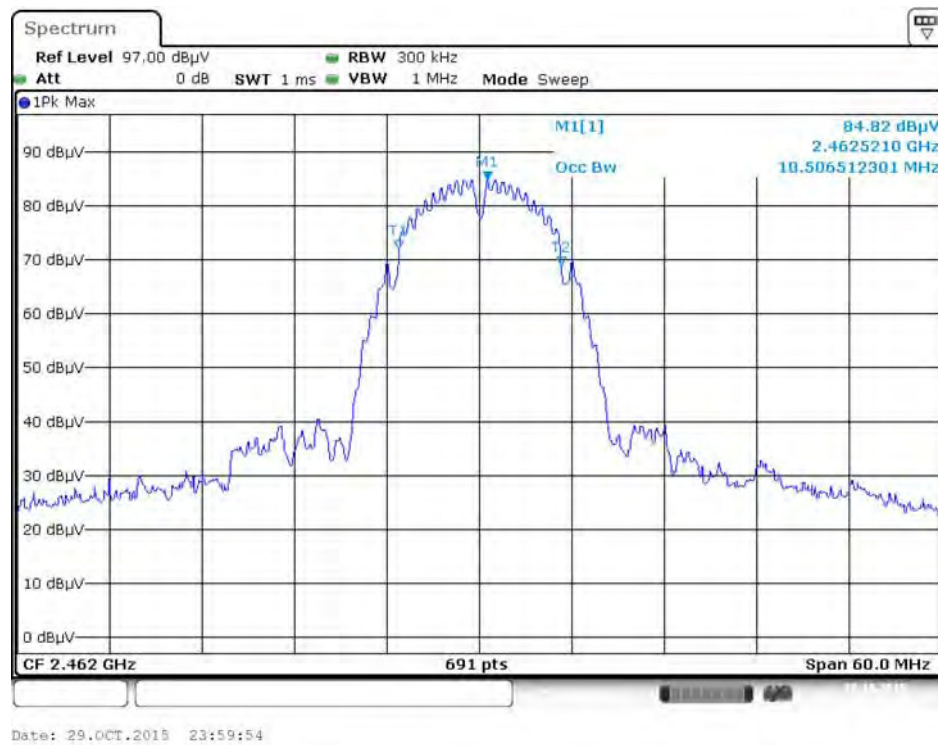


Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)

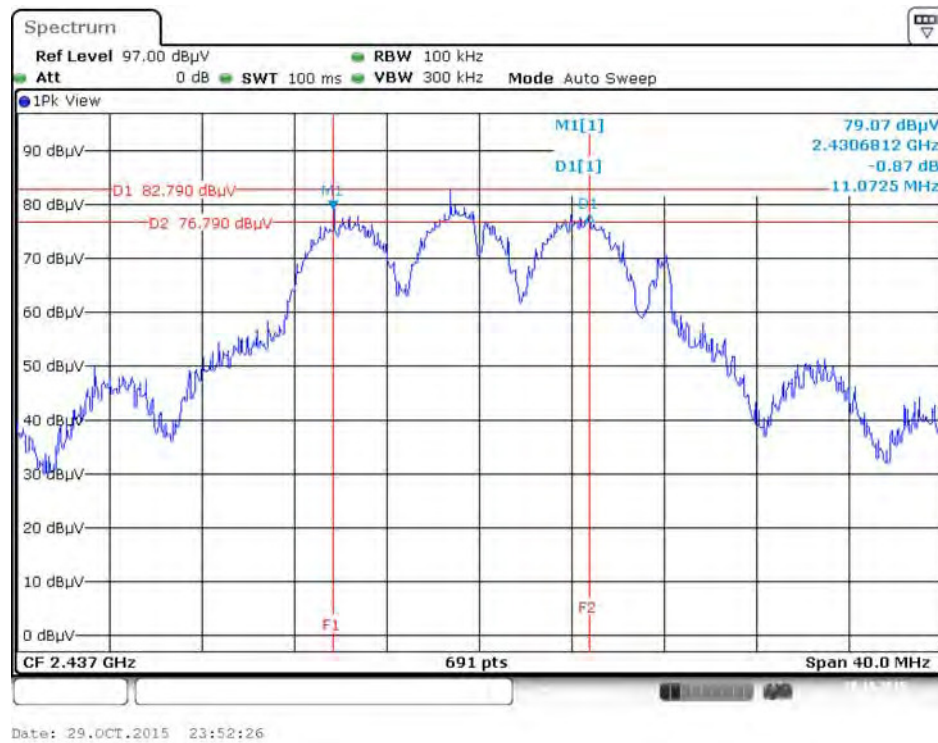
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



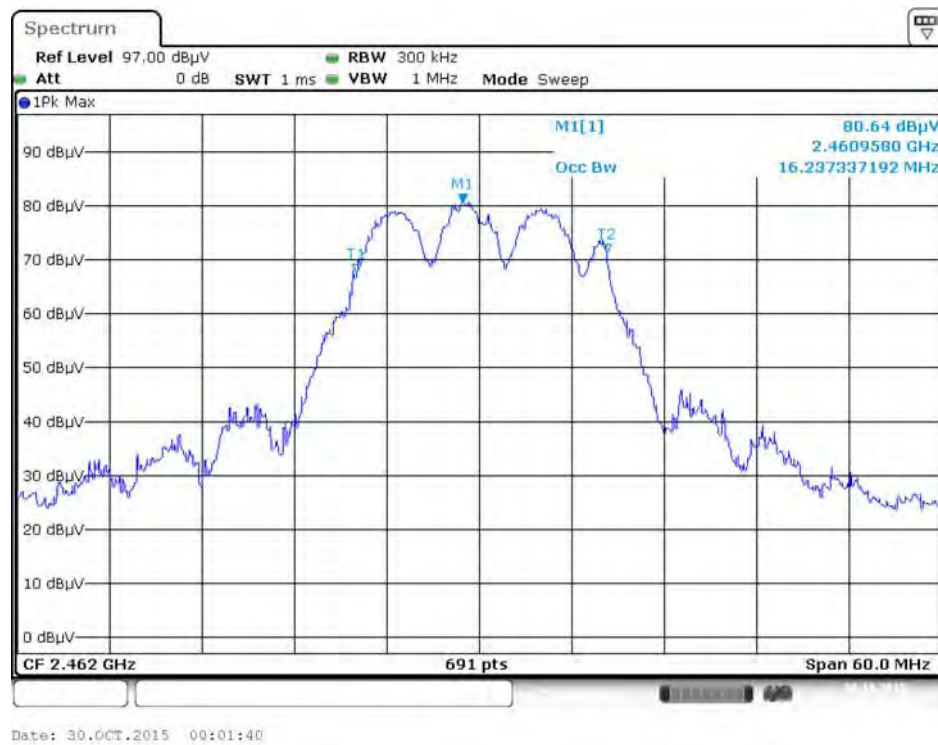
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



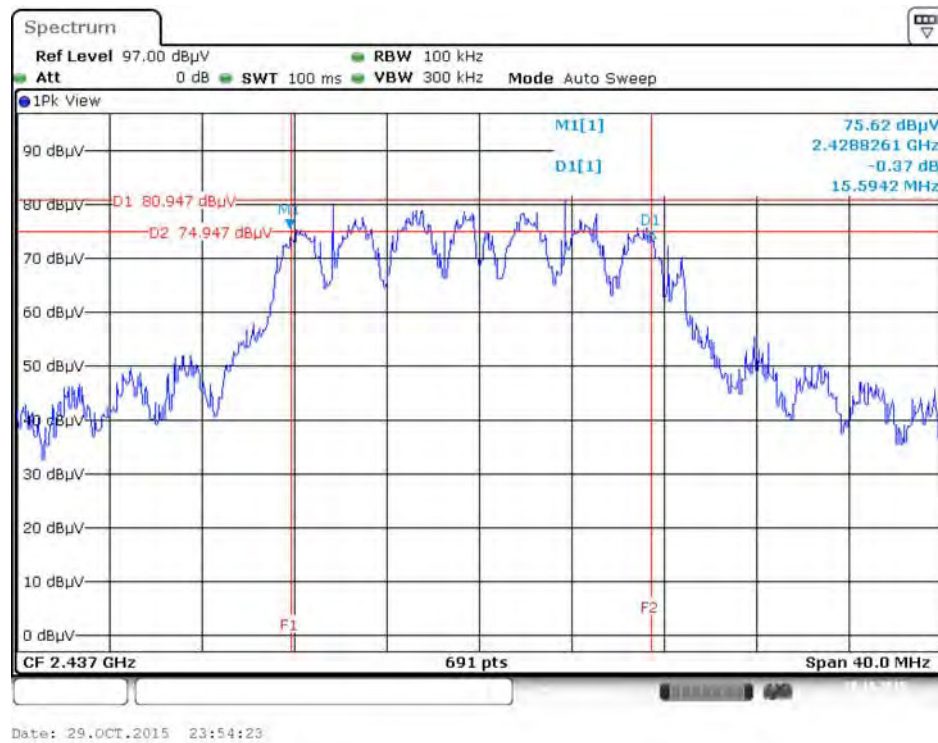
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2



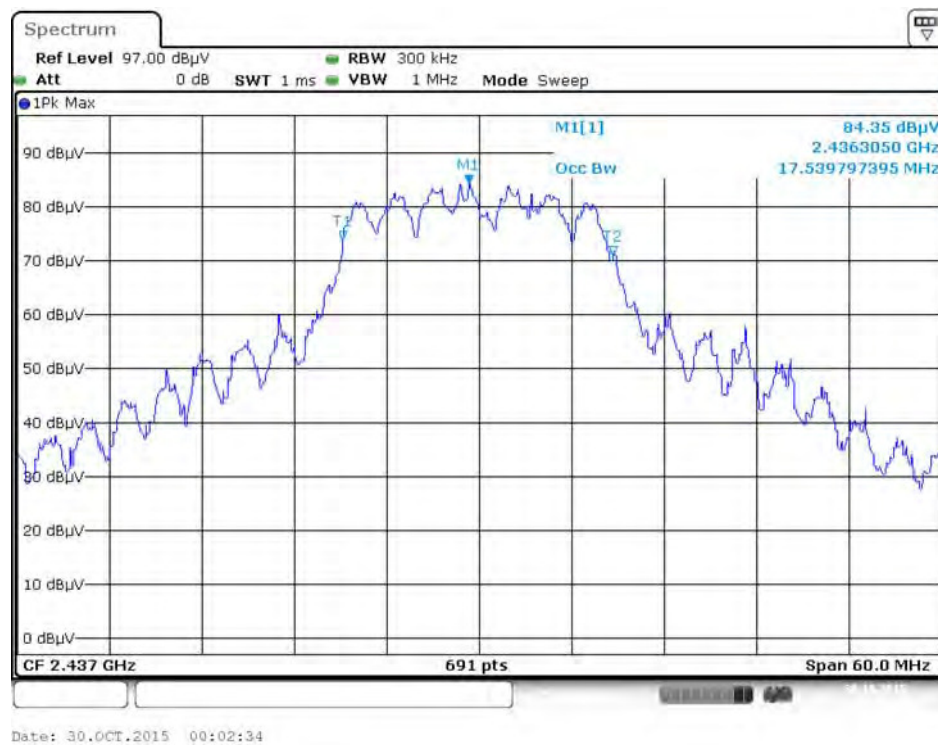
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2



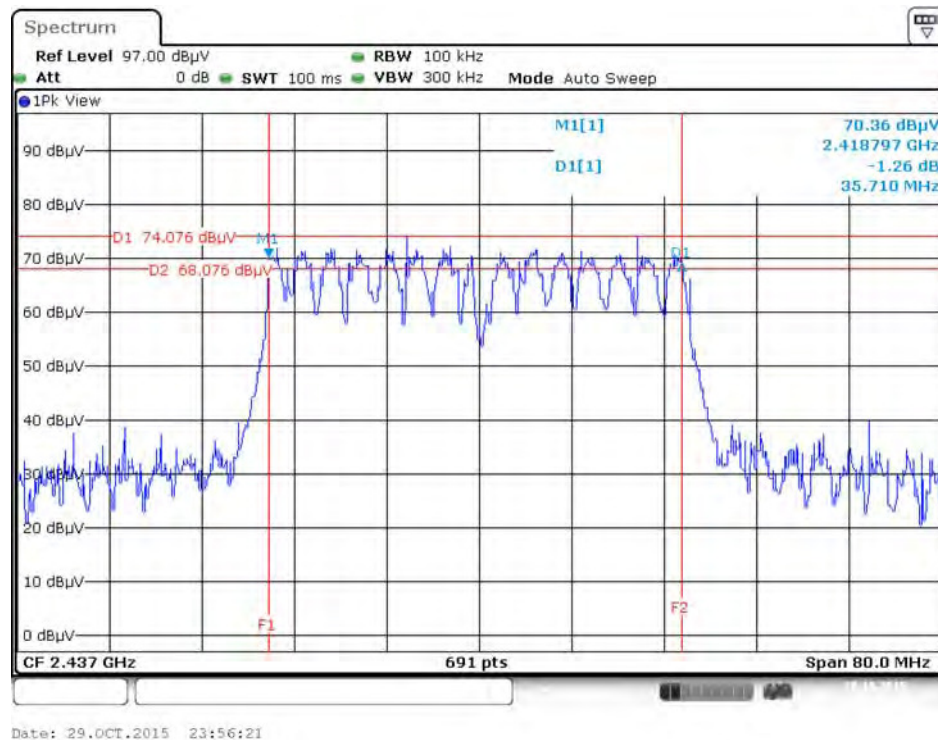
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



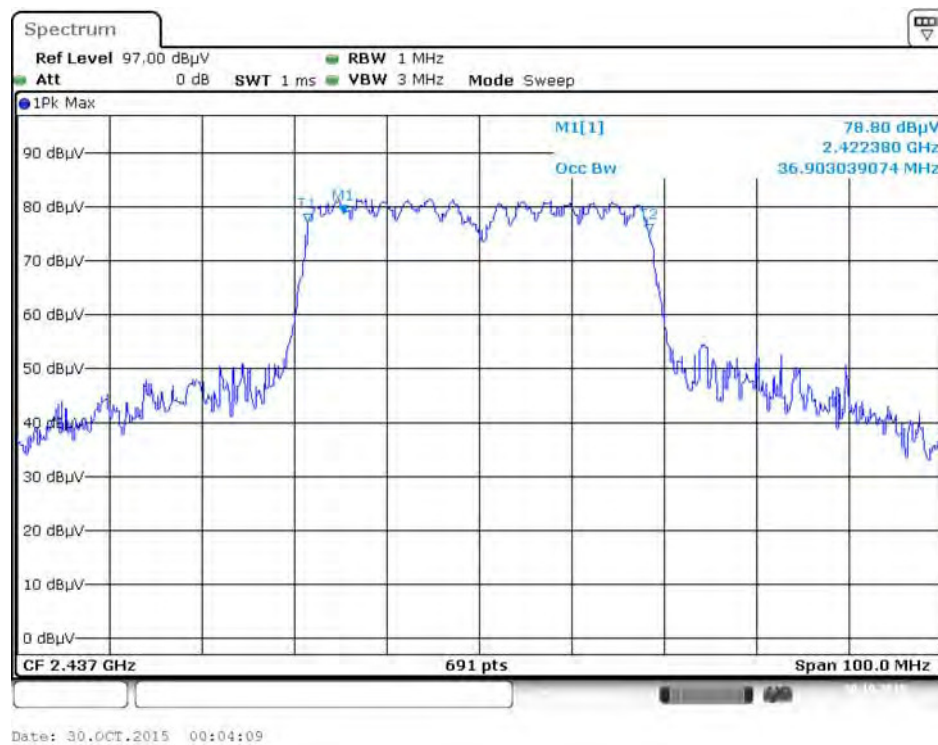
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



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

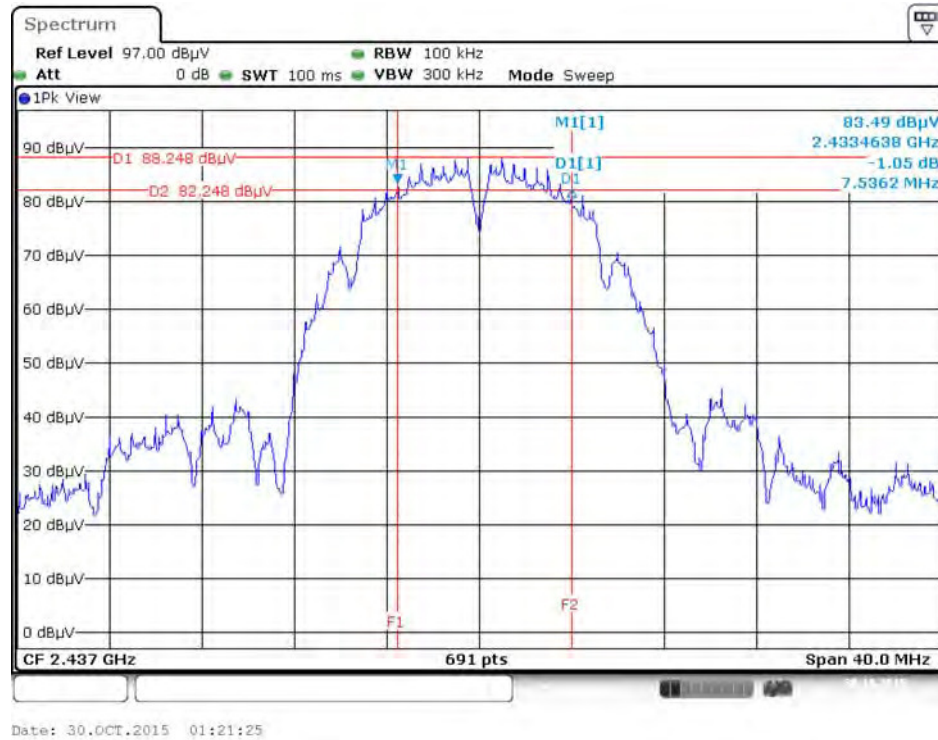


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2

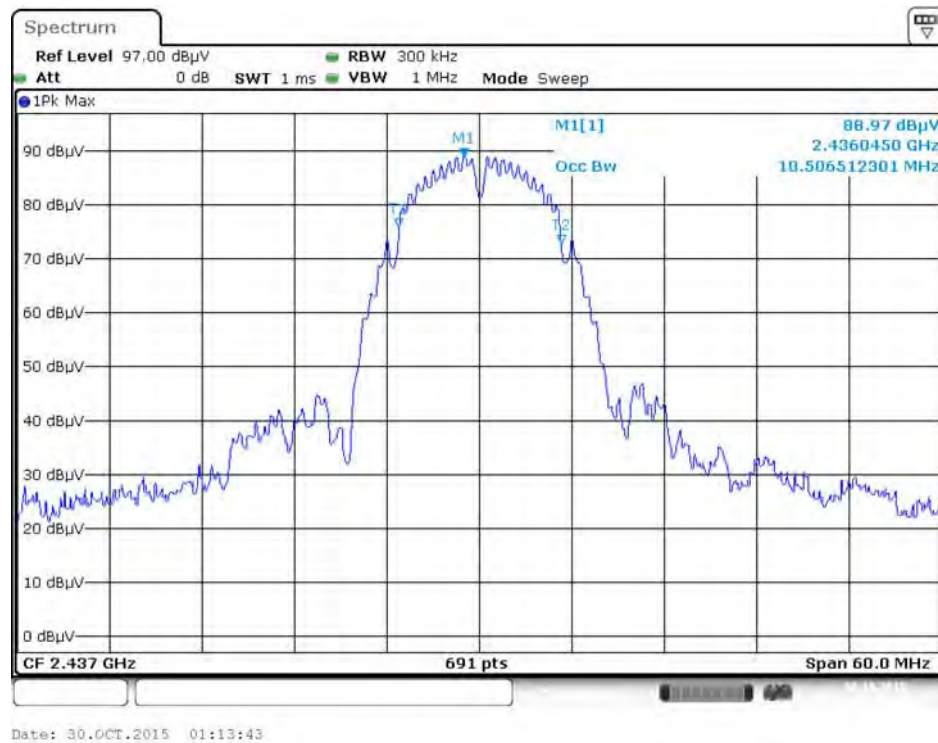


Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)

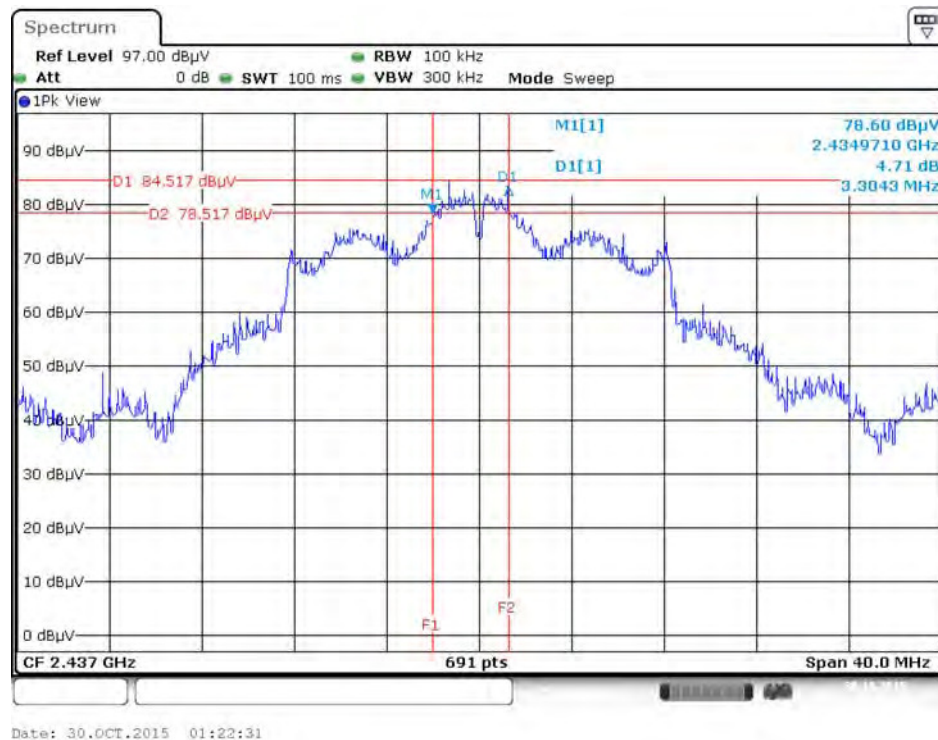
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



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



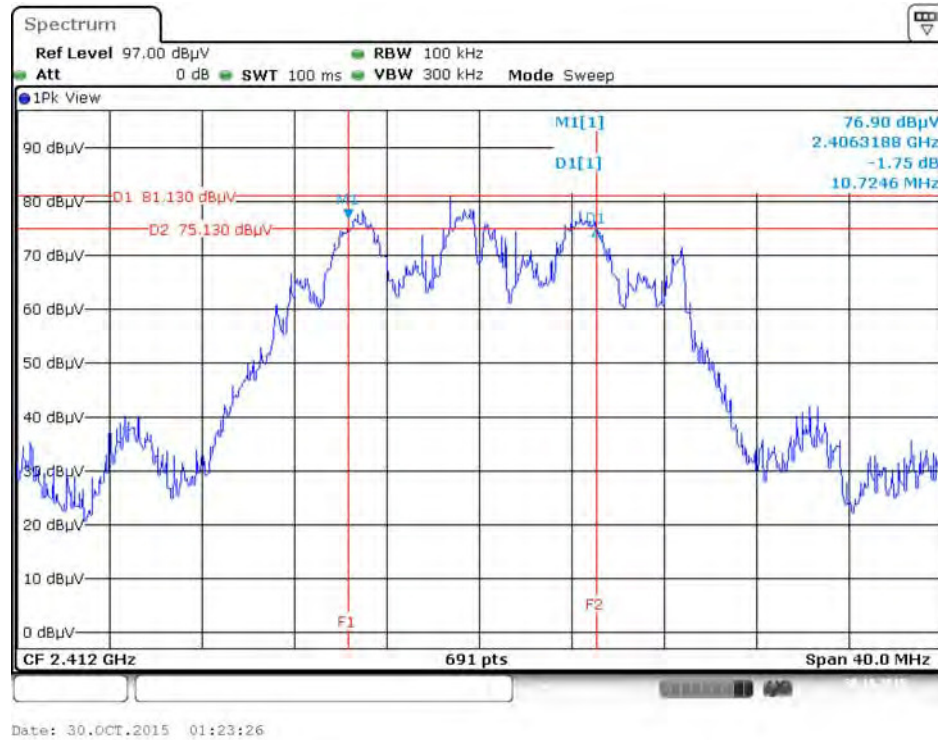
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



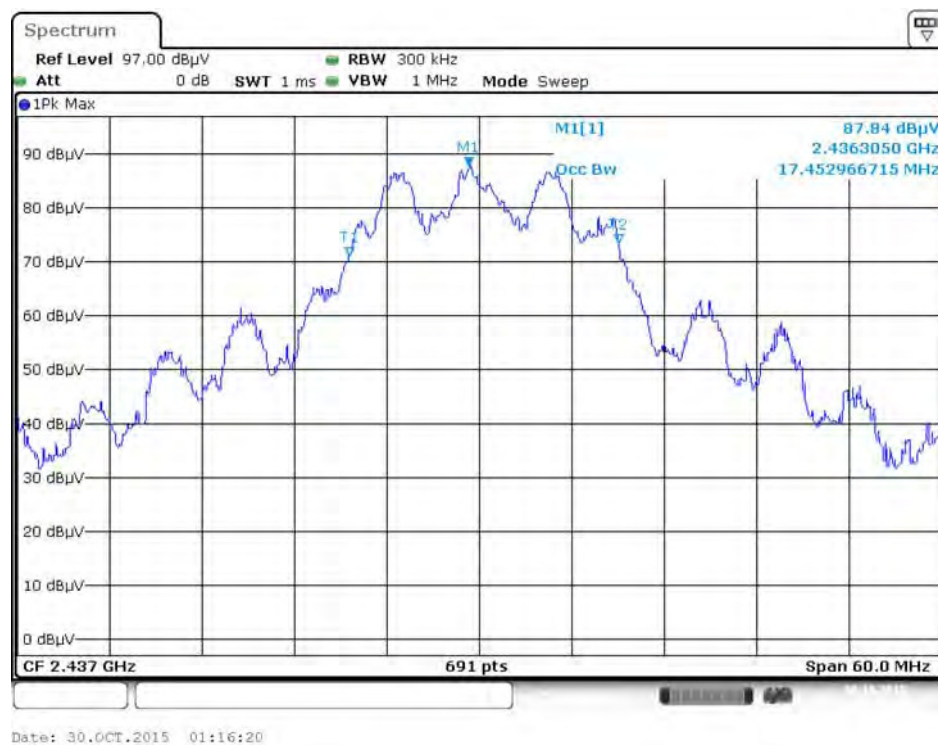
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3

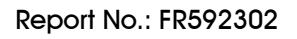


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3



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





Spectrum

Ref Level 97.00 dBμV RBW 100 kHz
Att 0 dB 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

M1[1]
D1[1]

68.20 dBμV
2.435652 GHz
0.99 dB
31.768 MHz

D1 72.659 dBμV
D2 66.659 dBμV

F1 F2

CF 2.452 GHz 691 pts Span 80.0 MHz

Date: 30.OCT.2015 01:25:41

Spectrum

Ref Level 97.00 dBμV

Att 0 dB

SWT 1 ms

RBW 1 MHz

VBW 3 MHz

Mode Sweep

1Pk Max

83.56 dBμV

2.446550 GHz

35.890014472 MHz

M1[1]

Occ Bw

T1

M1

T2

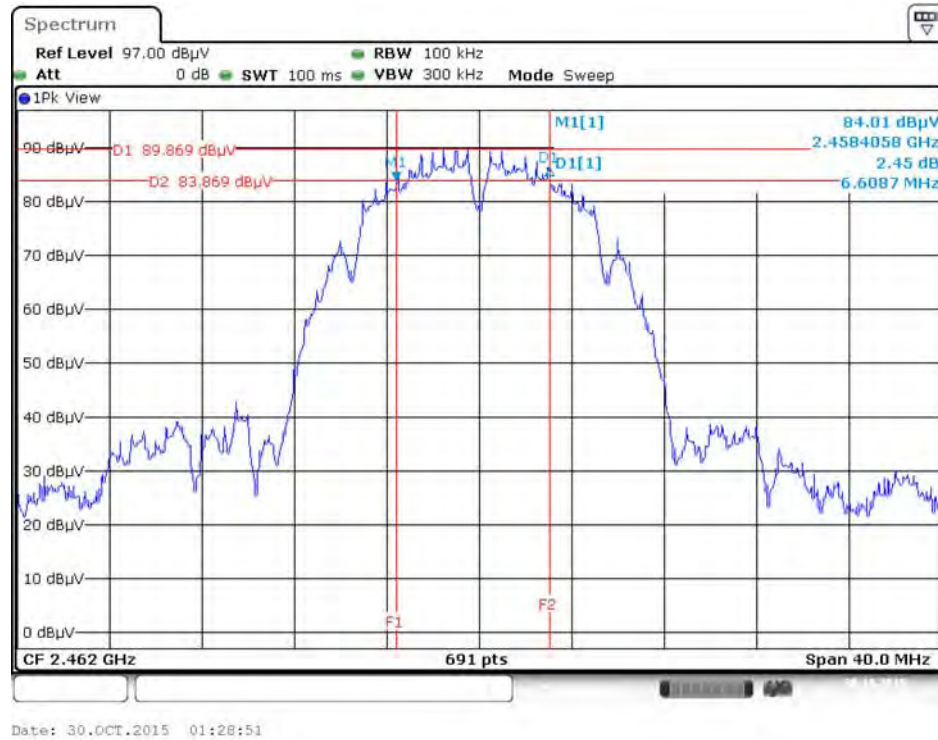
CF 2.452 GHz

691 pts

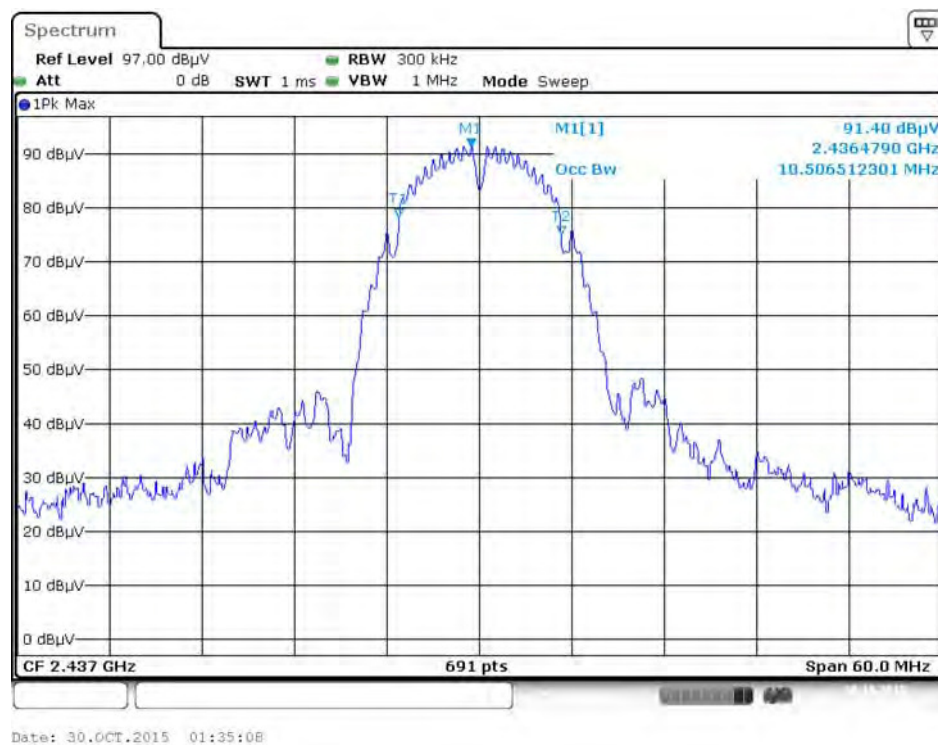
Span 100.0 MHz

Date: 30.OCT.2015 01:18:17

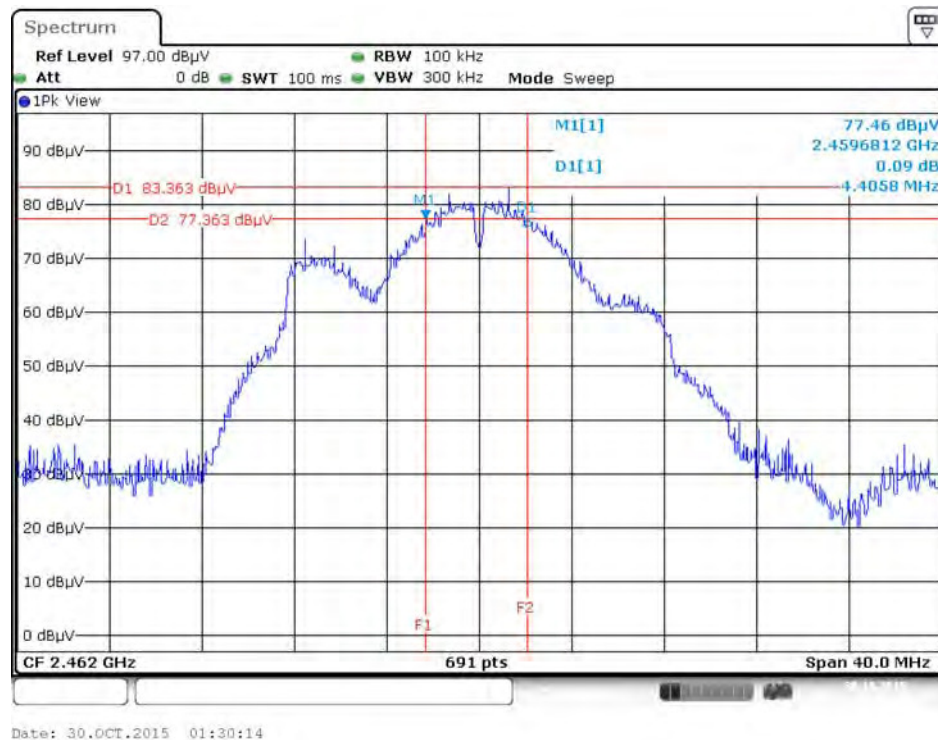
Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 +
Chain 4



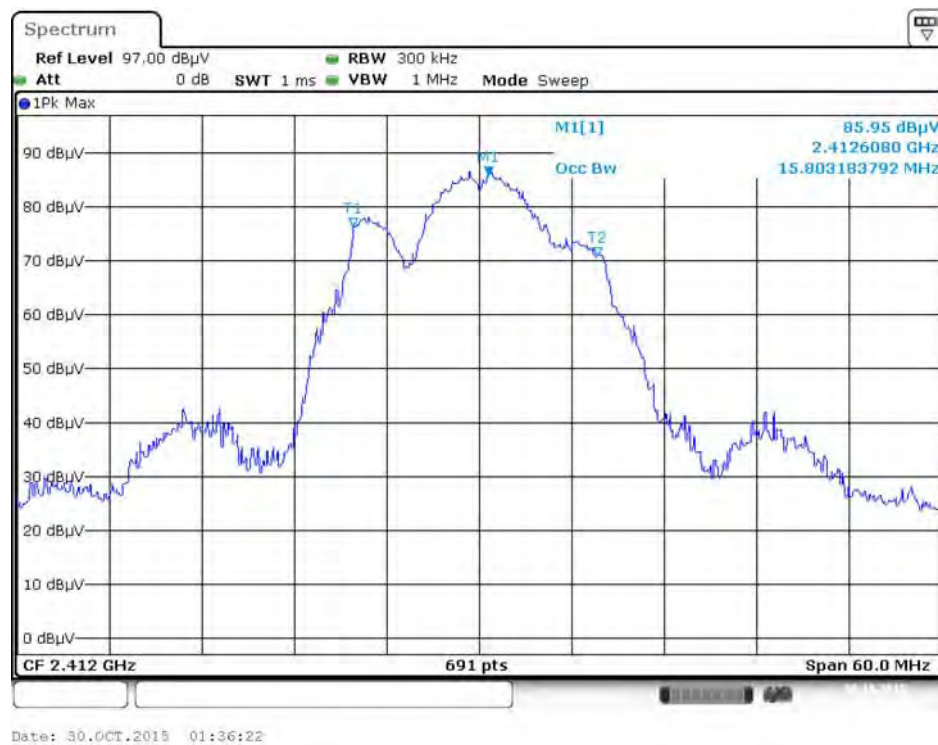
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain
3 + Chain 4



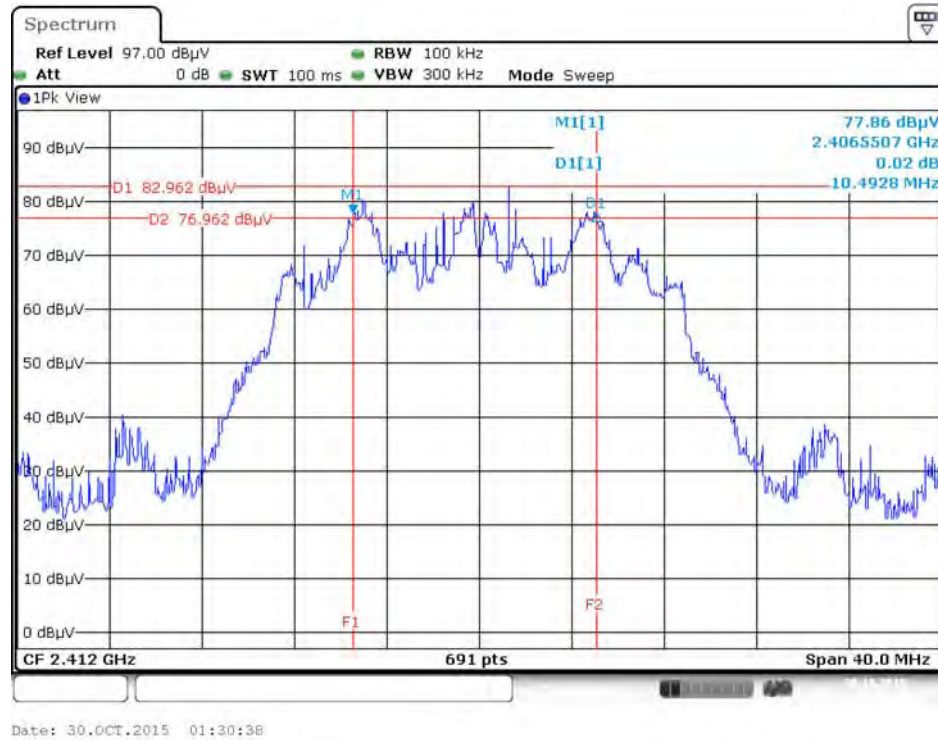
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



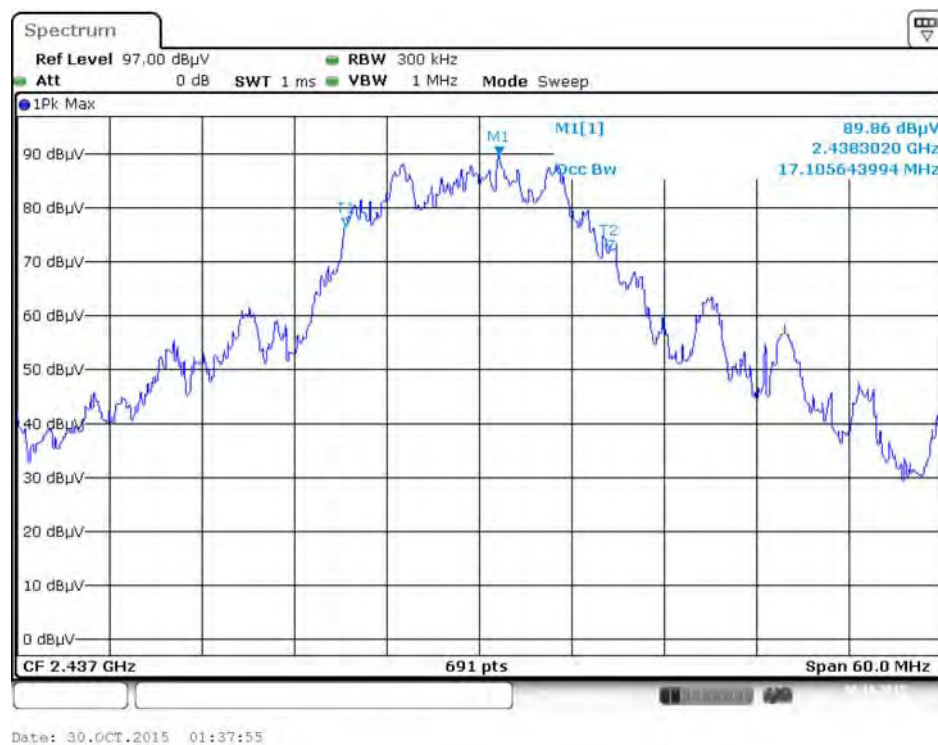
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



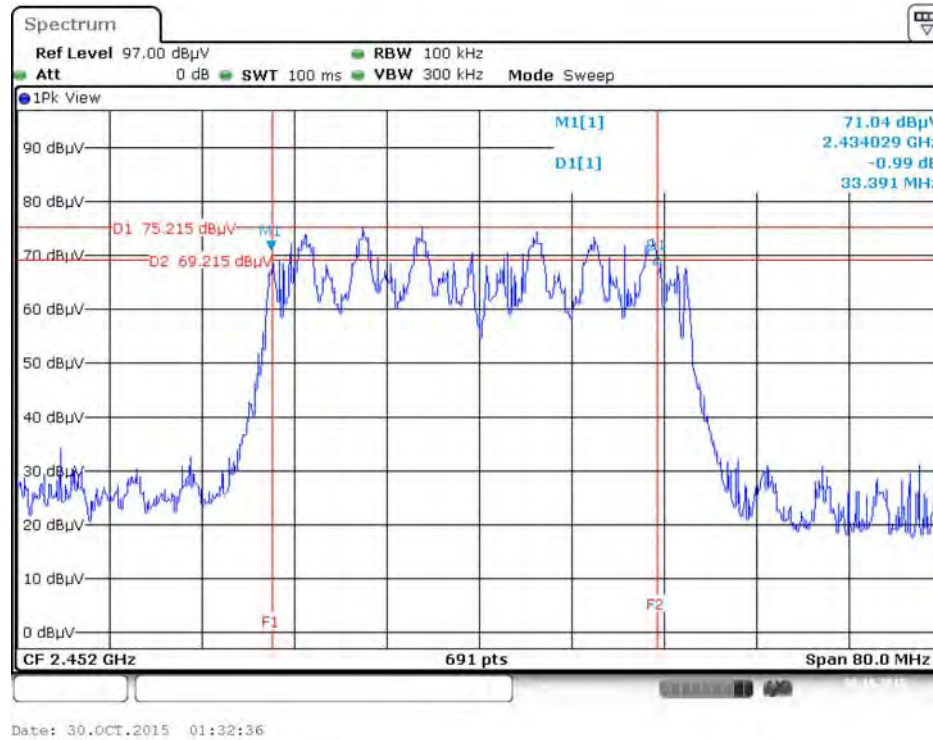
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



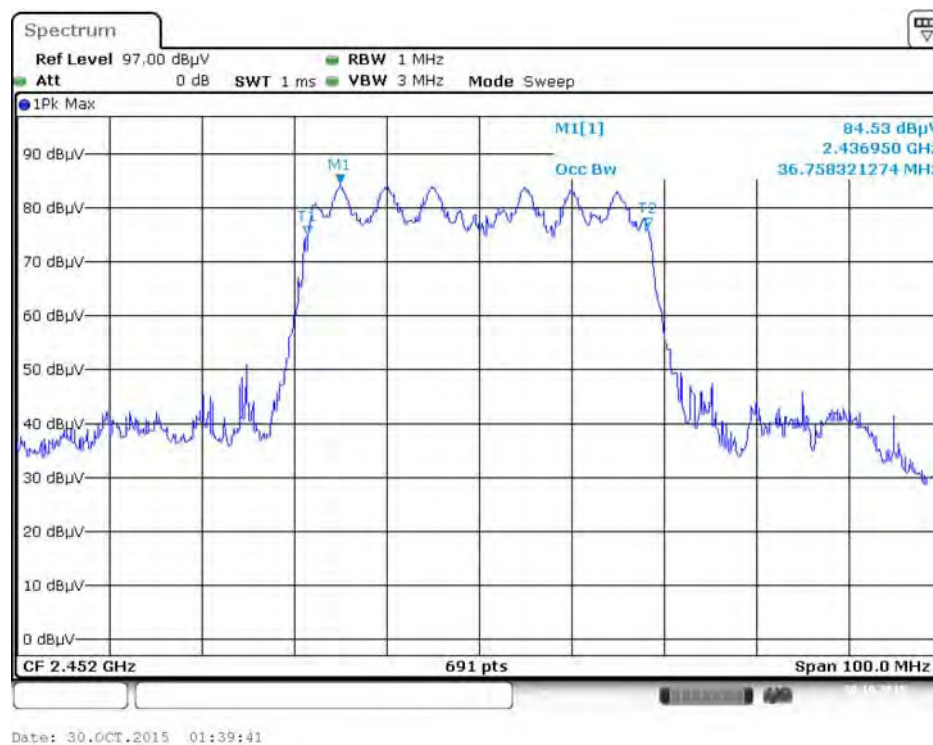
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

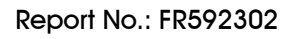


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

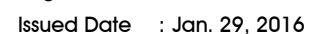


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

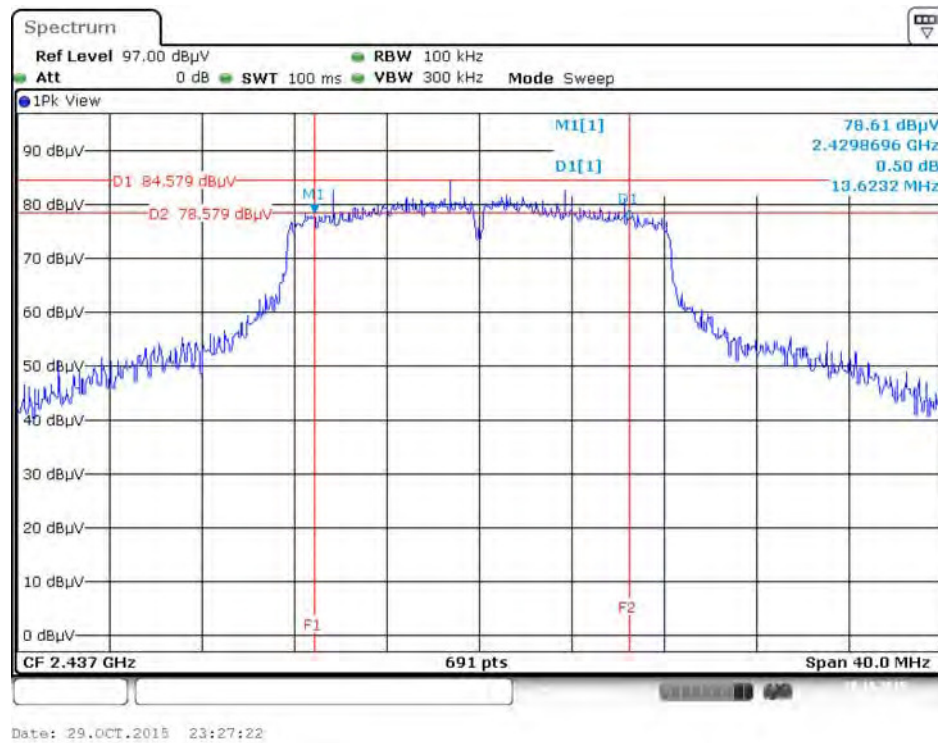




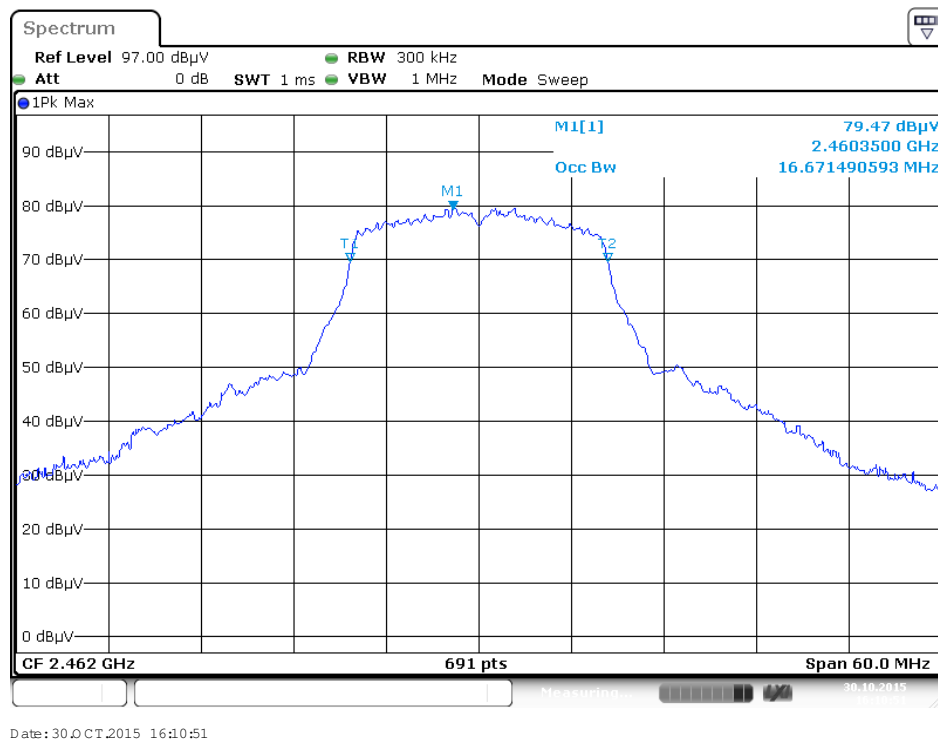
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



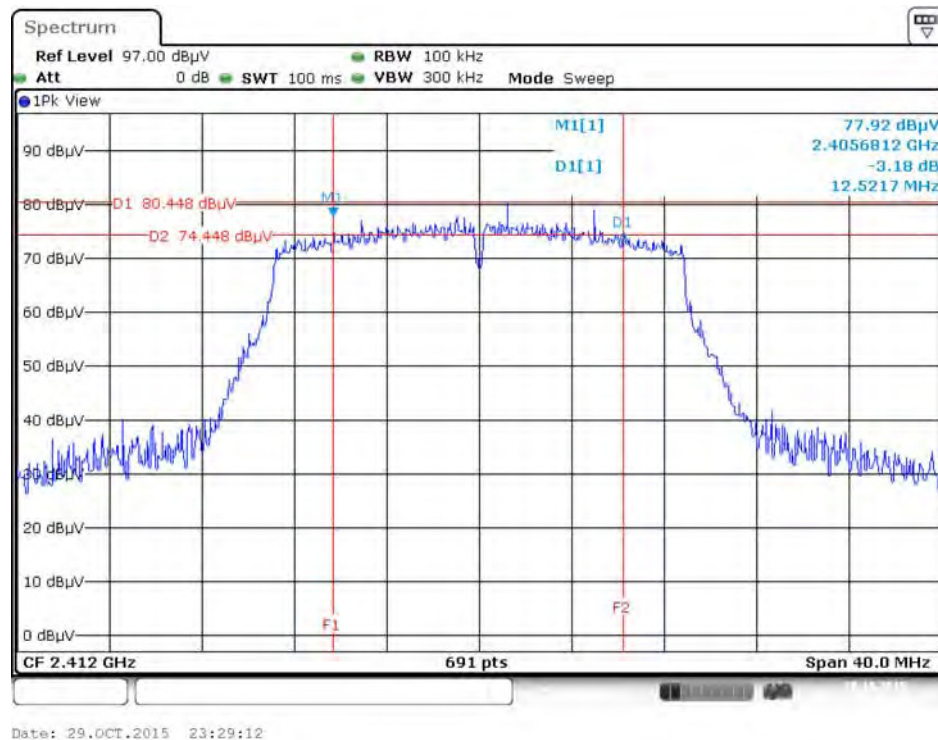
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



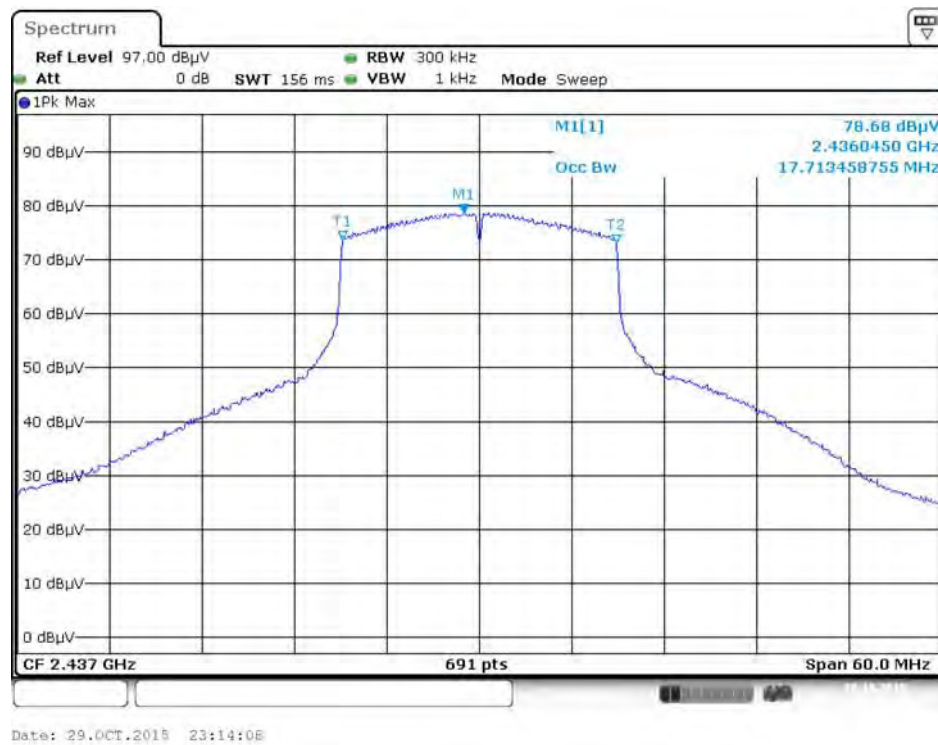
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



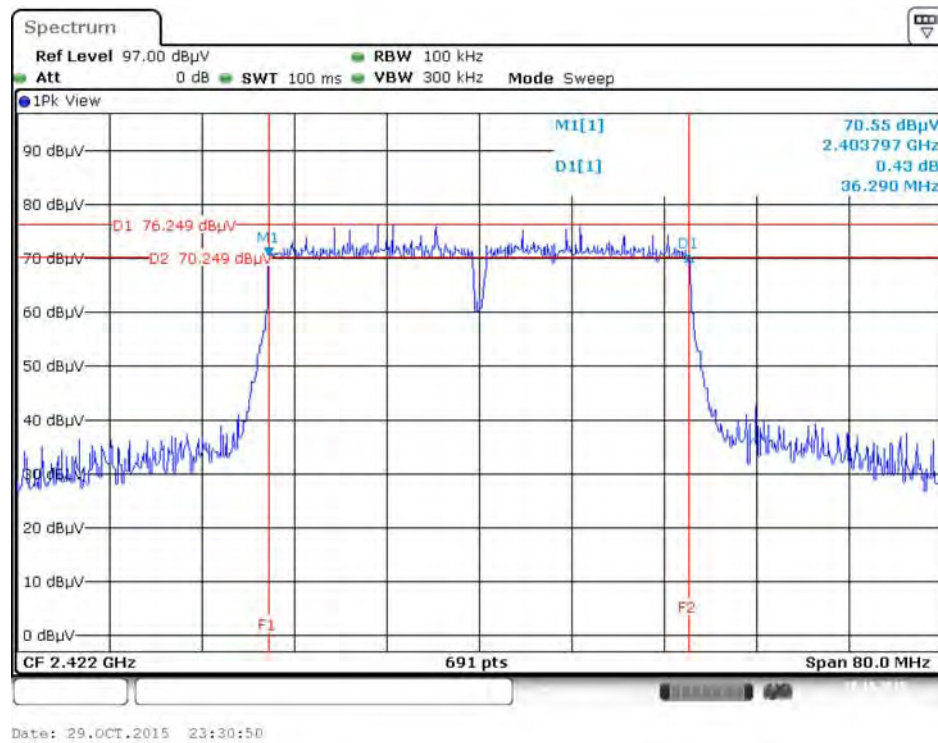
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



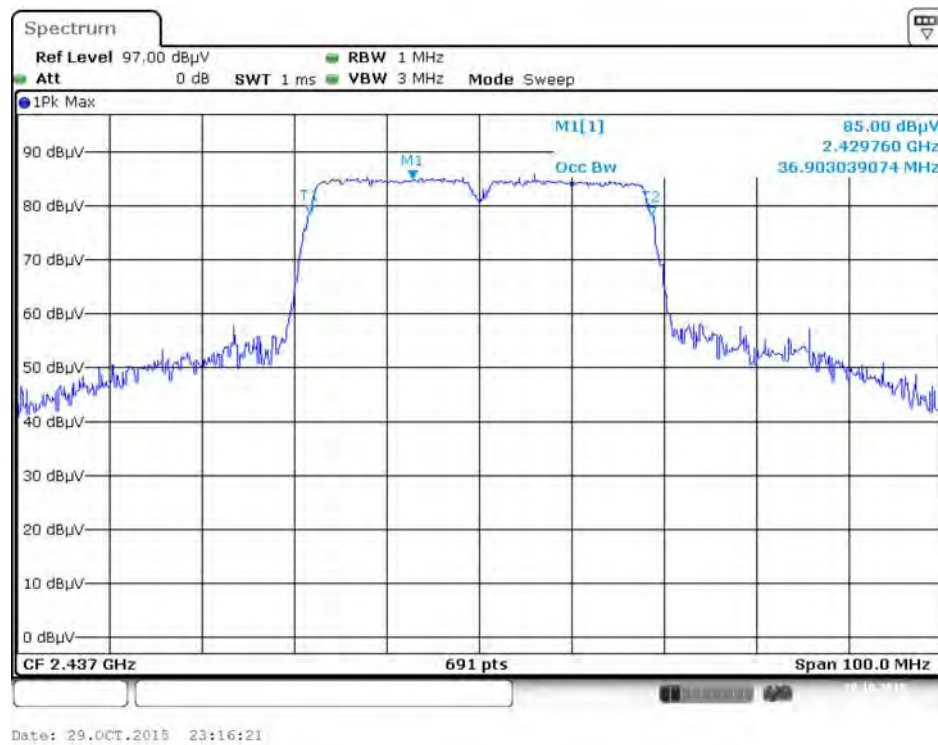
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1



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

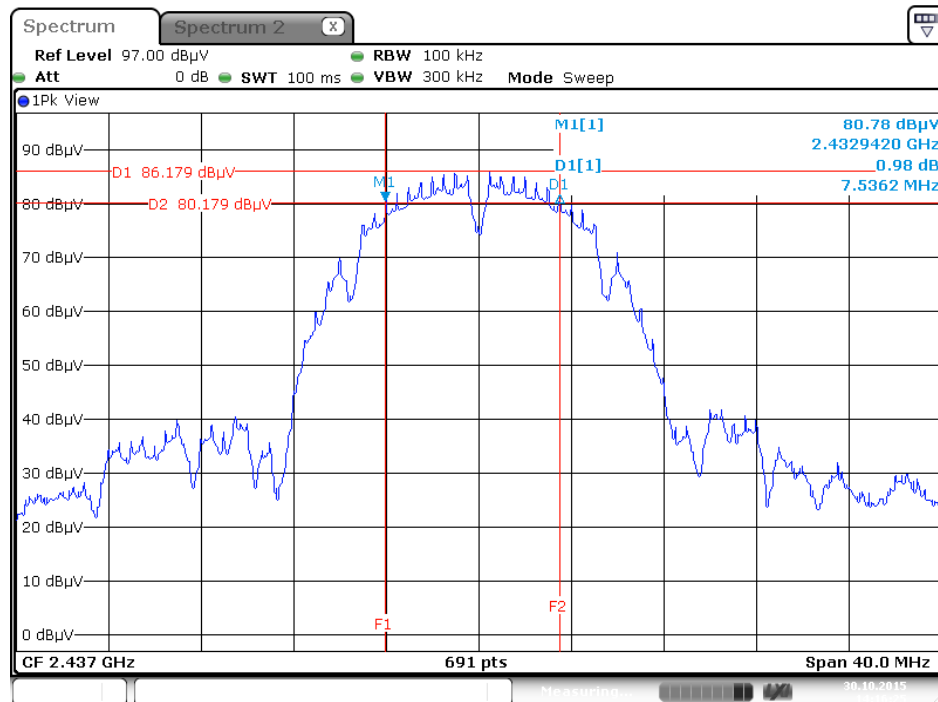


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



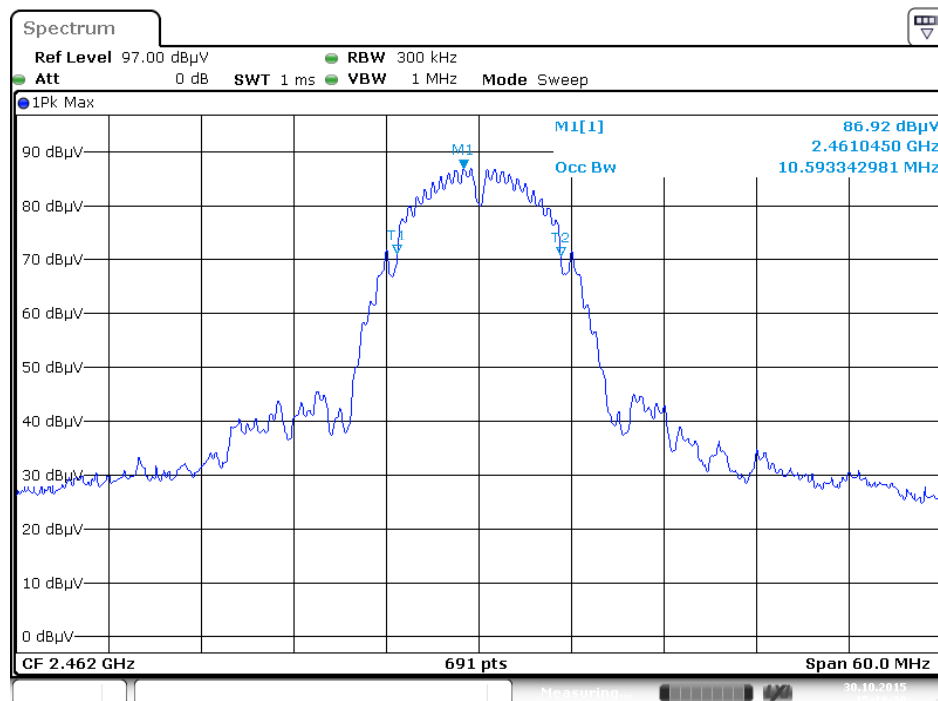
Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)

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



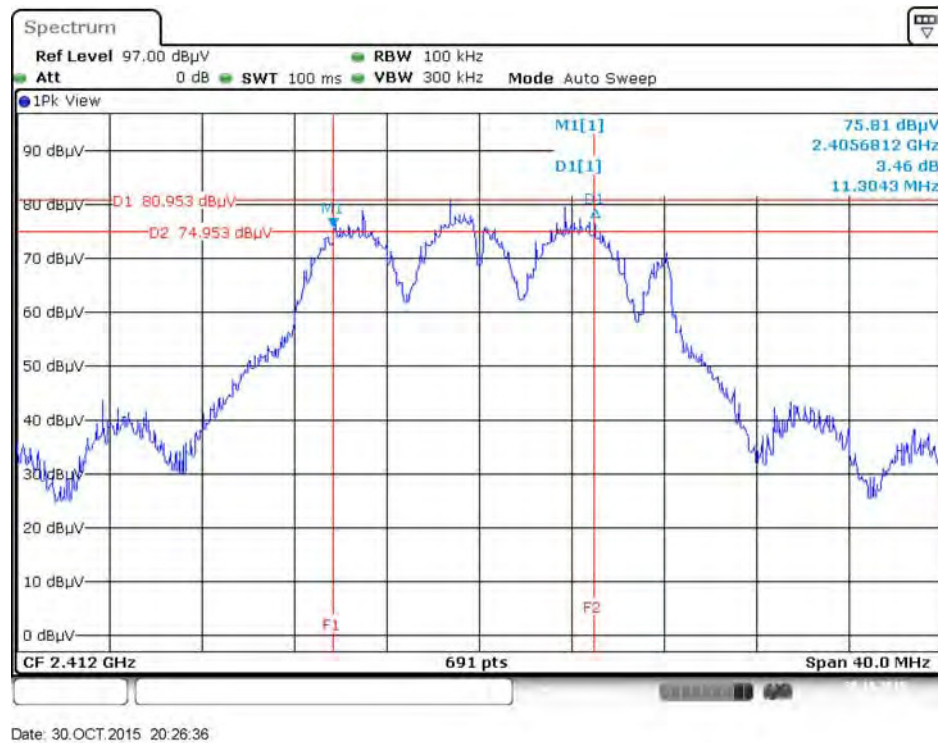
Date: 30 OCT 2015 14:16:25

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

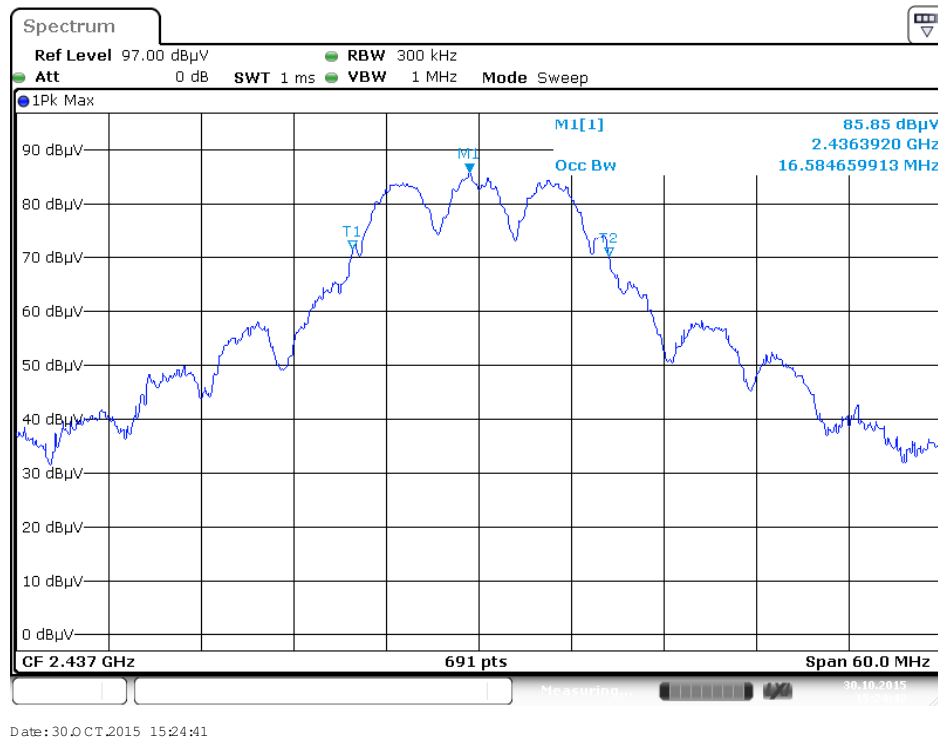


Date: 30 OCT 2015 15:18:30

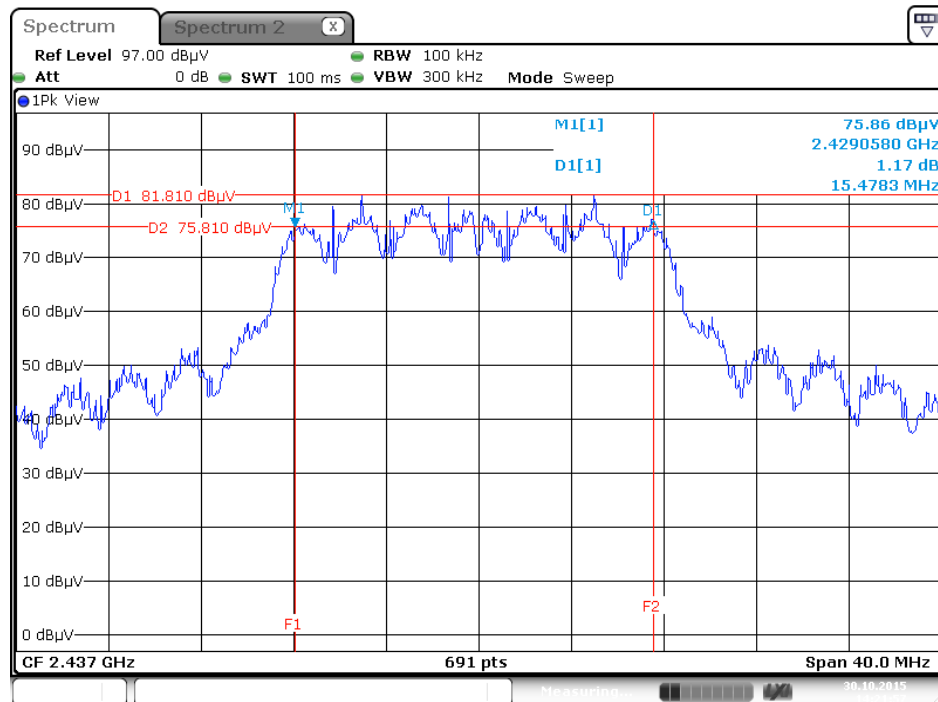
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 3



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

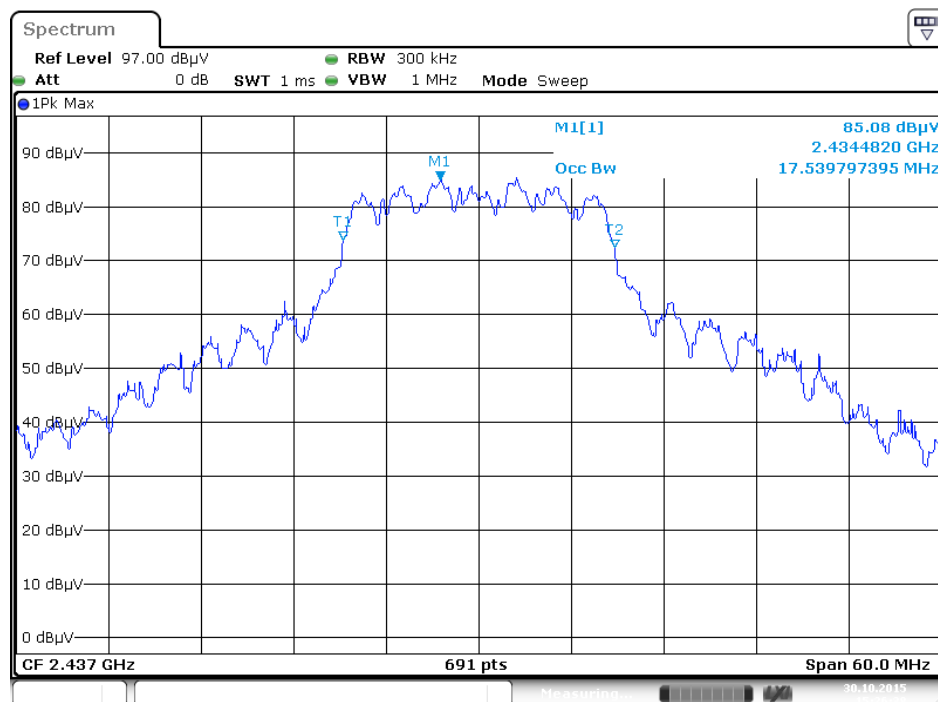


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 3



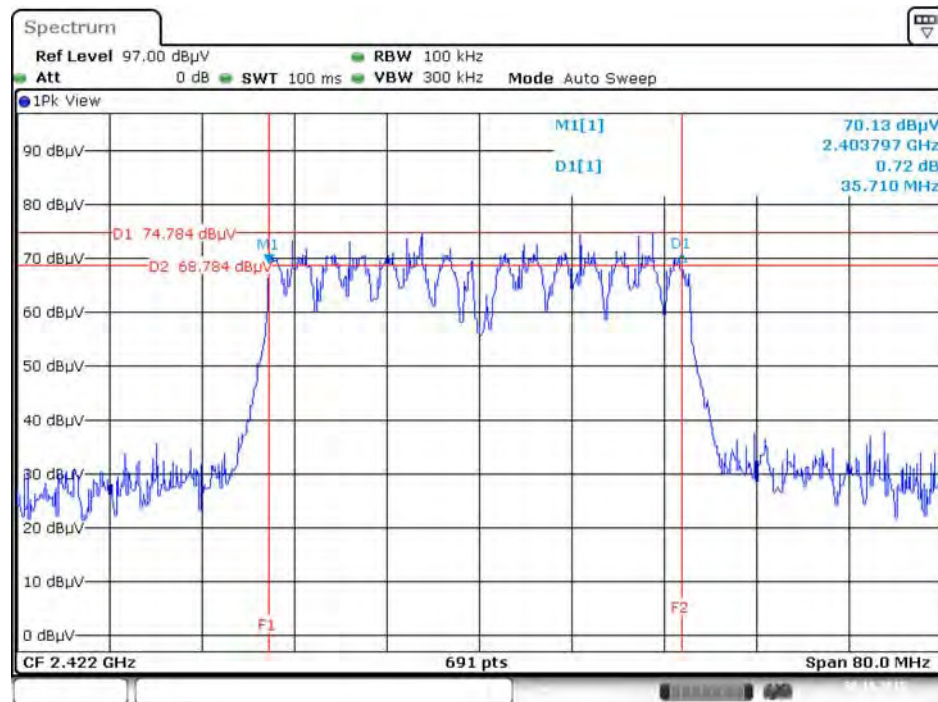
Date: 30 OCT 2015 14:21:57

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



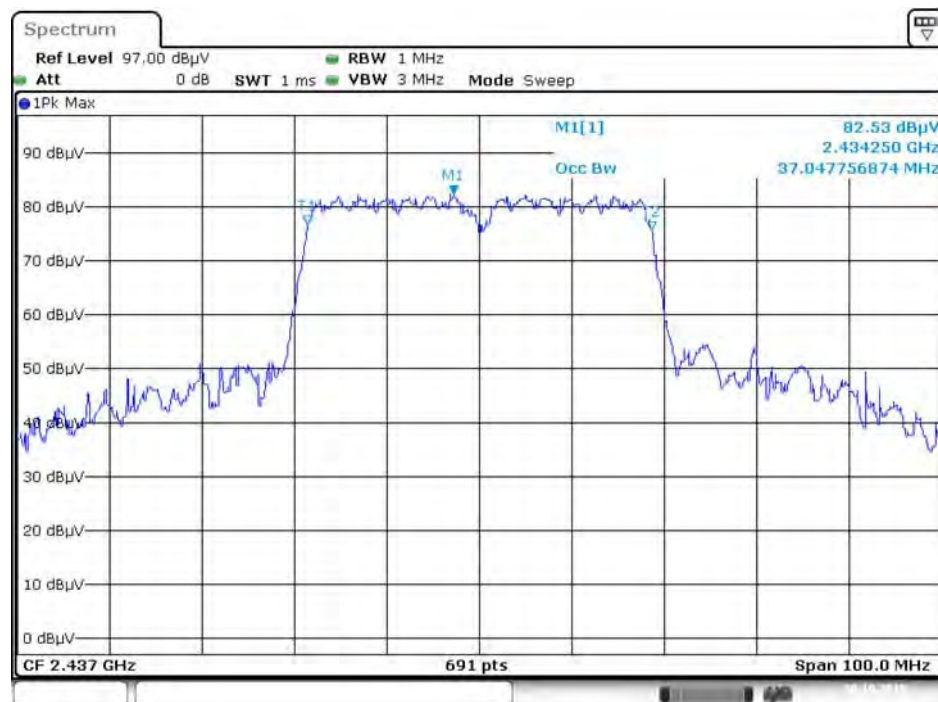
Date: 30 OCT 2015 15:26:38

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



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

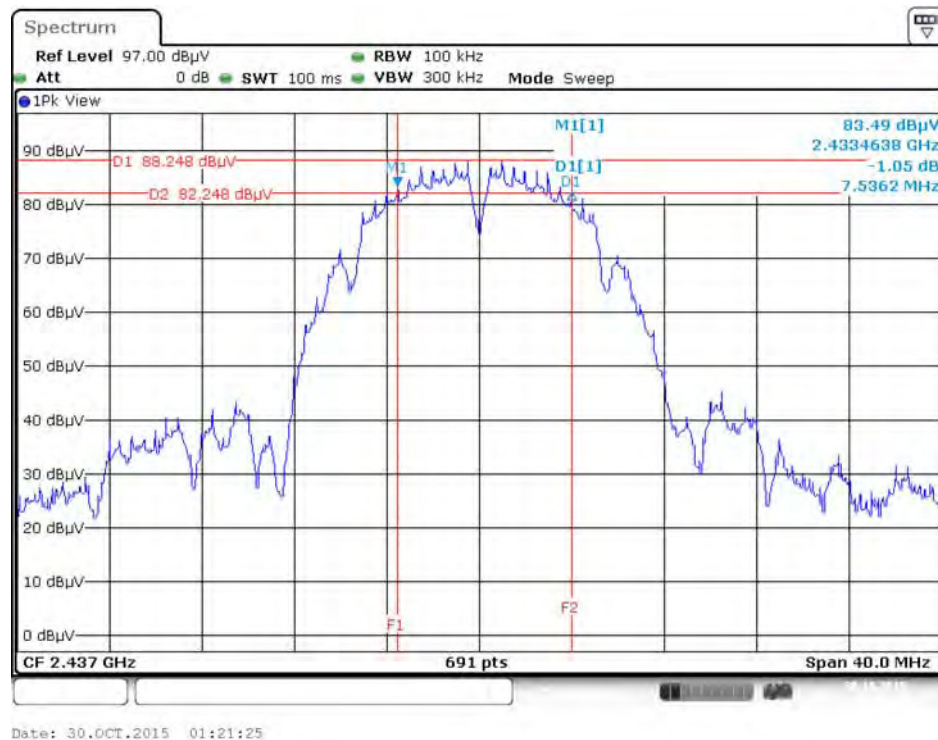
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



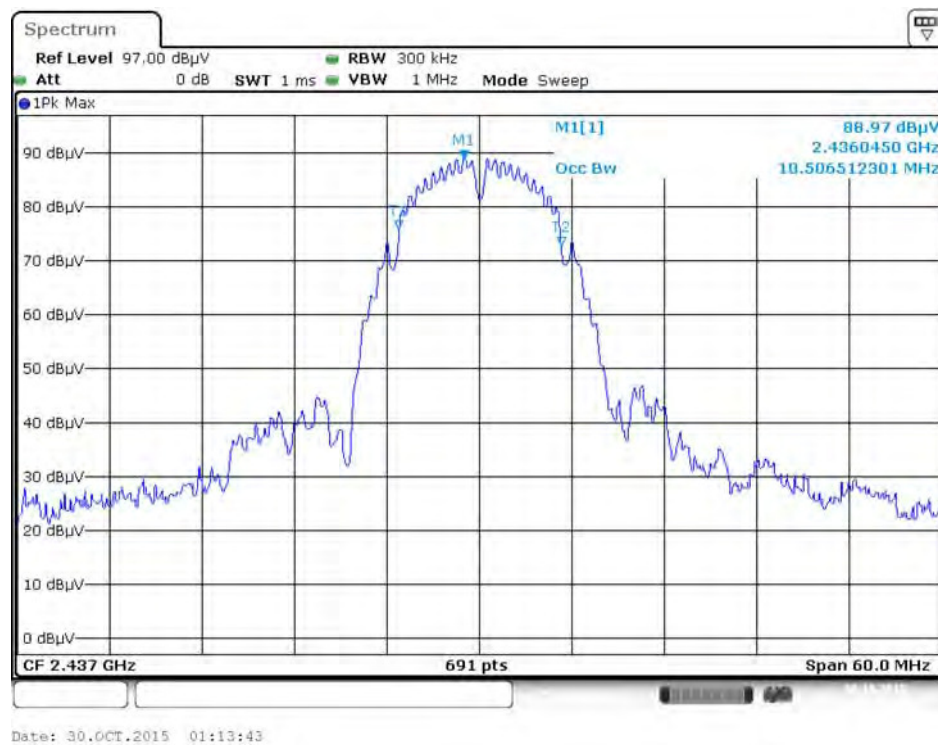
Date: 30.OCT.2015 21:14:24

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

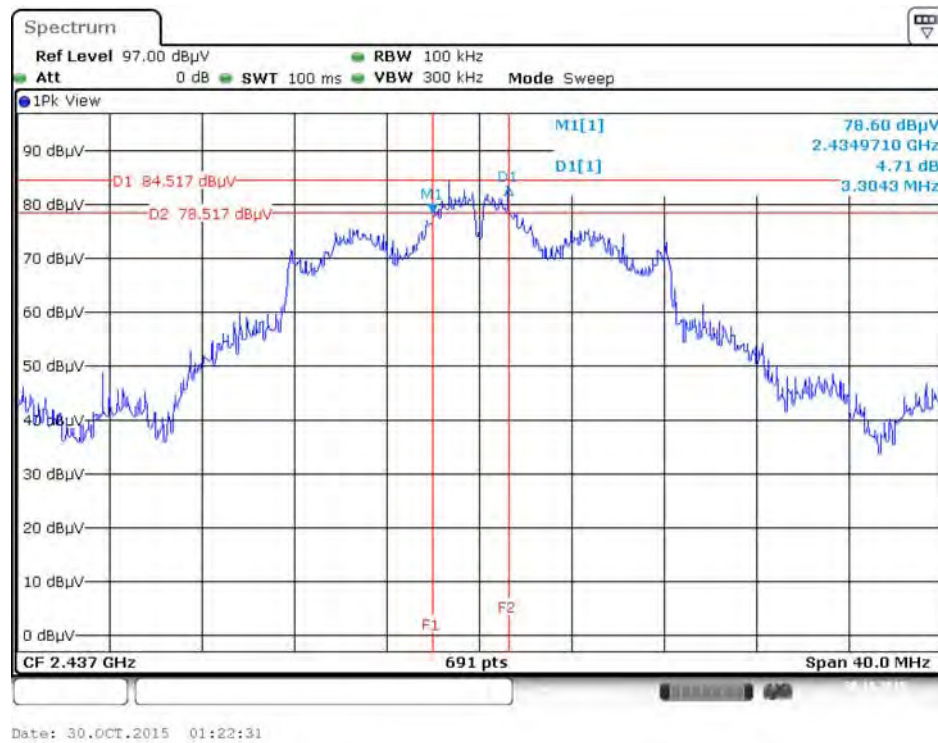
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



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



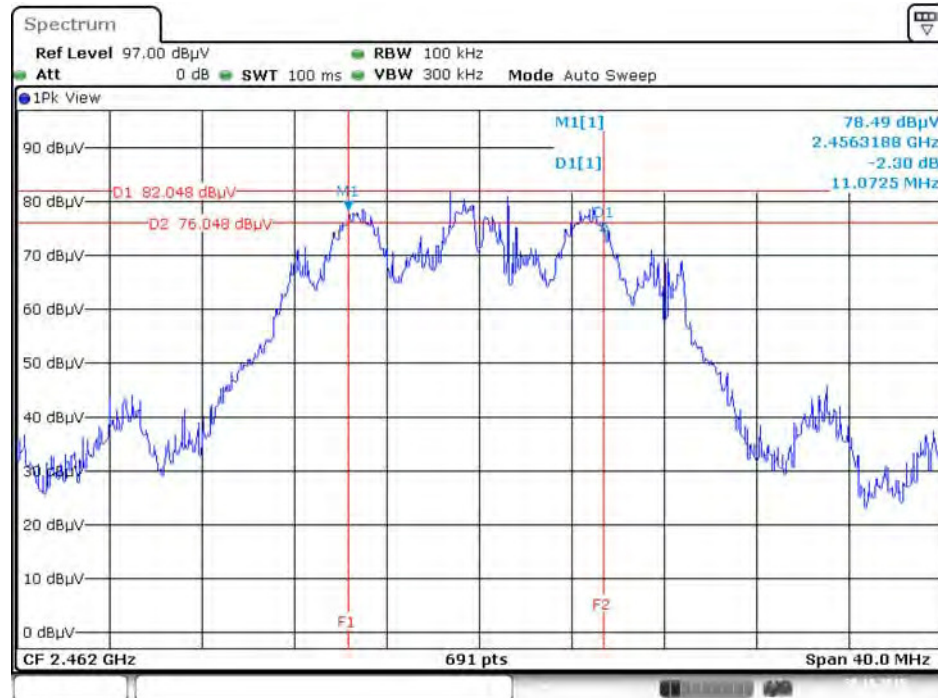
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



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 / 2462 MHz / Chain 1 + Chain 2 + Chain 3

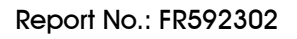


Date: 30.OCT.2015 20:31:32

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



Spectrum

Ref Level 97.00 dBμV

Att 0 dB

SWT 100 ms

RBW 100 kHz

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 75.672 dBμV

D2 69.672 dBμV

M1[1]

D1[1]

71.00 dBμV

2.435884 GHz

-0.64 dB

31.536 MHz

F1

F2

CF 2.452 GHz

691 pts

Span 80.0 MHz

Measuring...

30.10.2015

Spectrum

Ref Level 97.00 dBμV
Att 0 dB SWT 1 ms RBW 1 MHz VBW 3 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

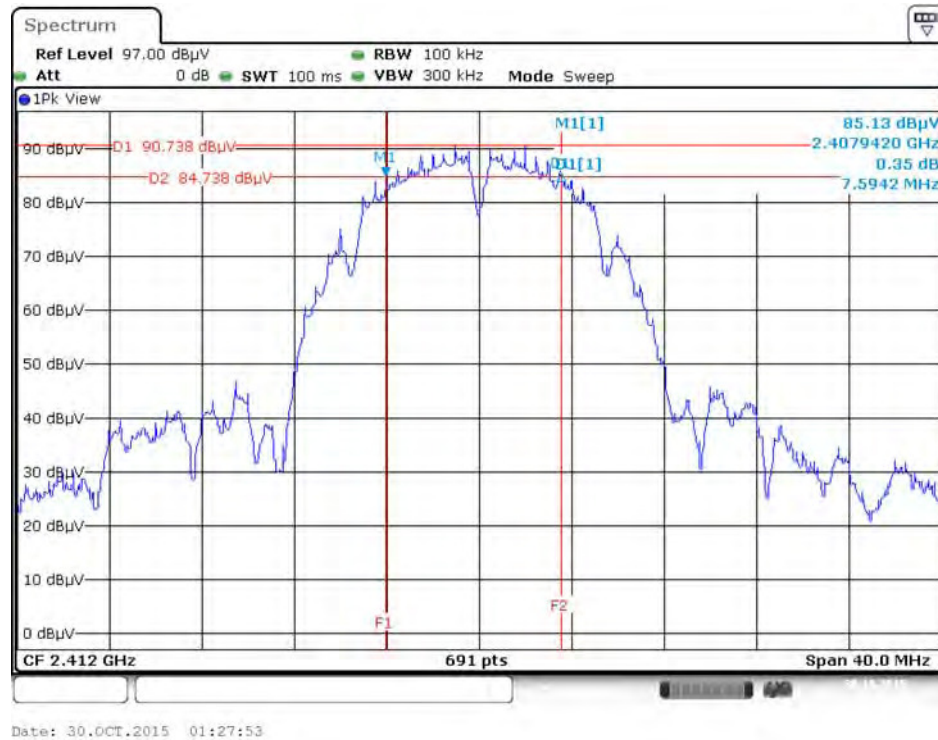
M1[1] 84.85 dBμV
Occ Bw 2.446790 GHz
T1 35.890014472 MHz
T2

CF 2.452 GHz 691 pts Span 100.0 MHz

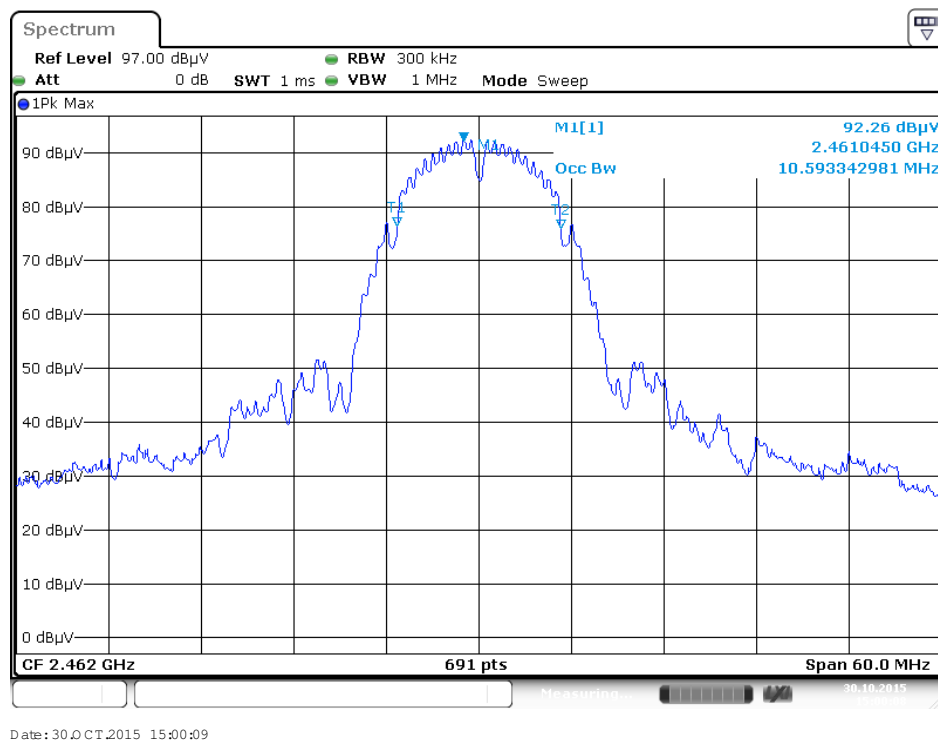
Issued Date : Jan. 29, 2016

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

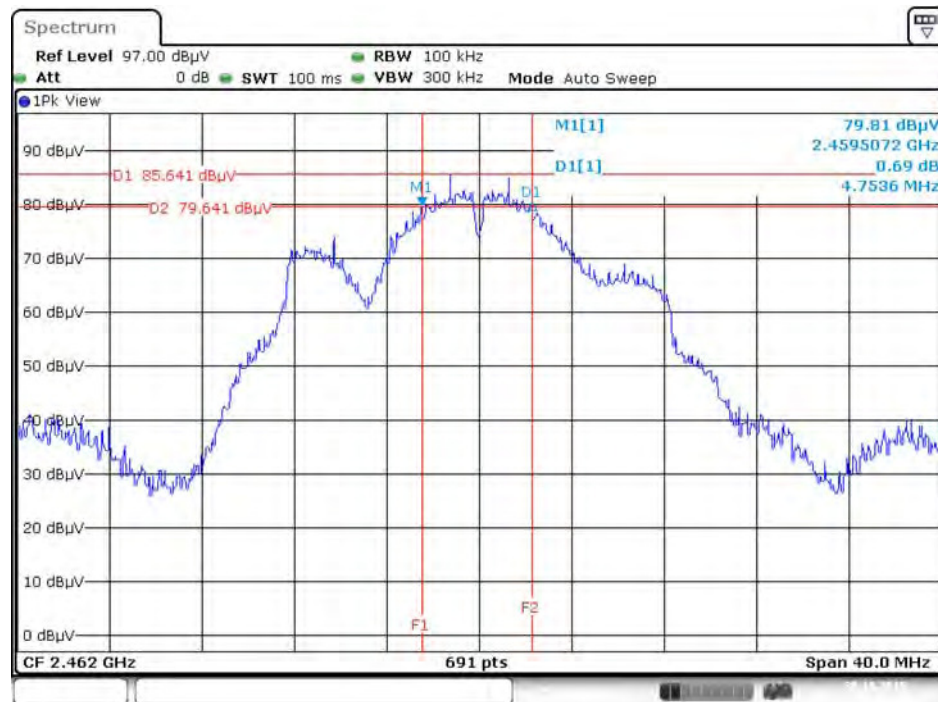
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



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



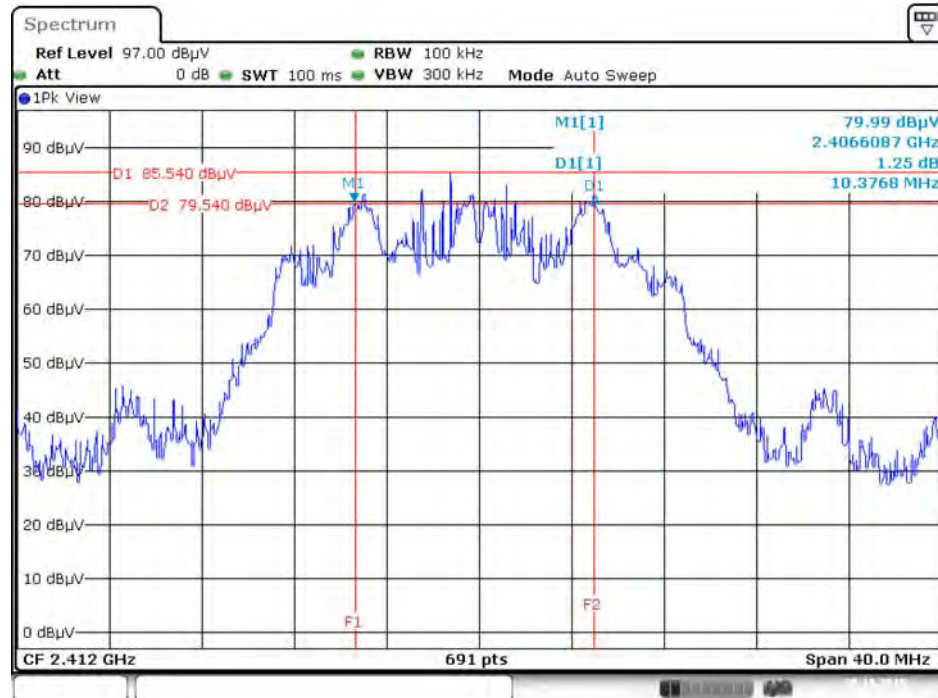
Date: 30.OCT.2015 20:32:59

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



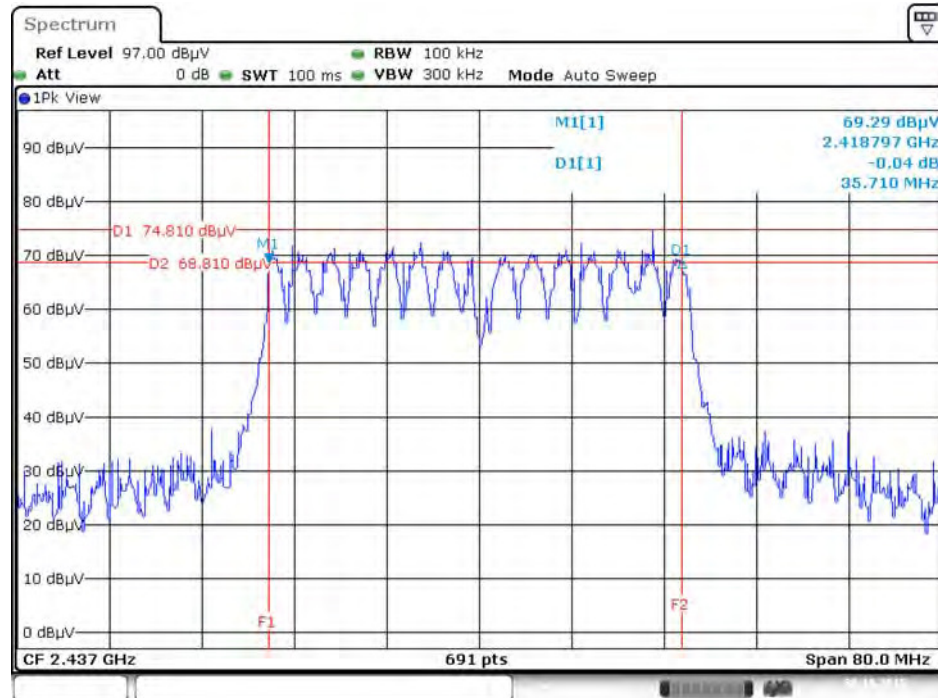
Date: 30.OCT.2015 20:33:29

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



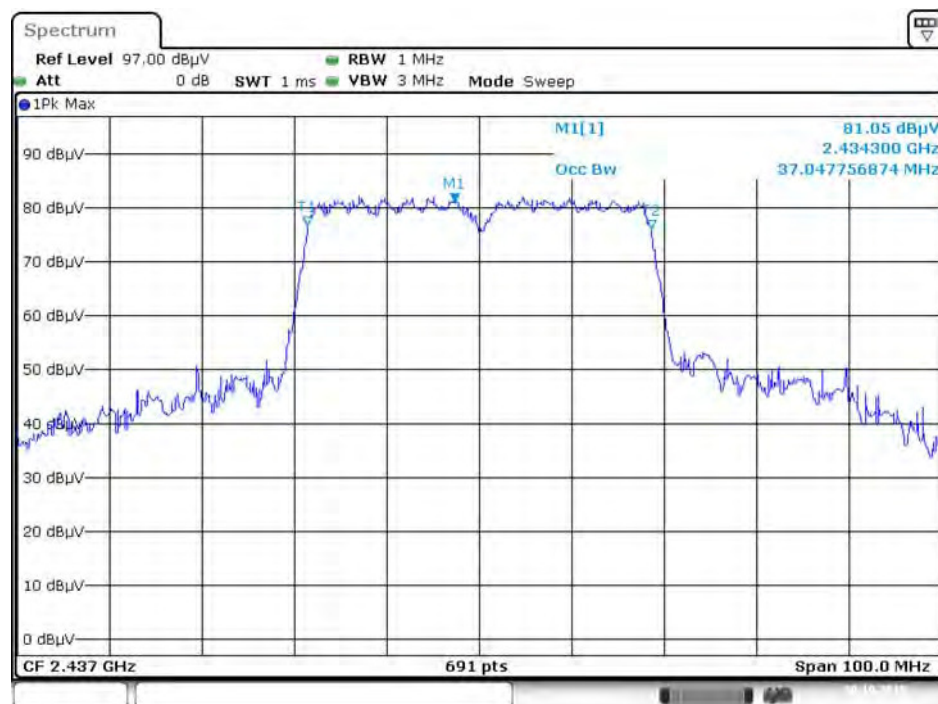
Date: 30.OCT.2015 01:37:55

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

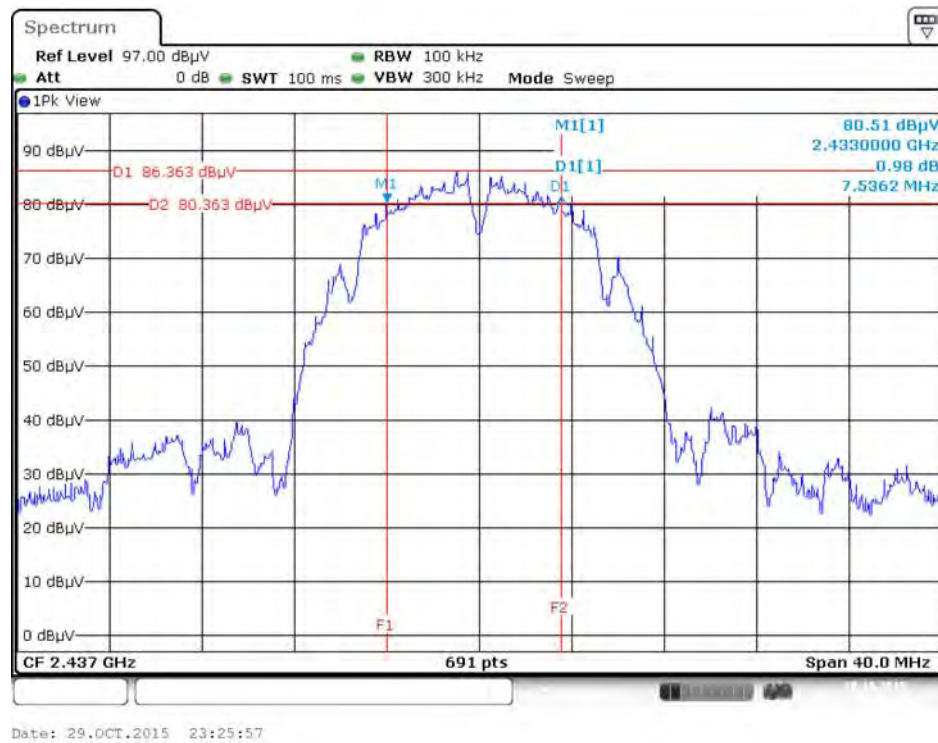
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



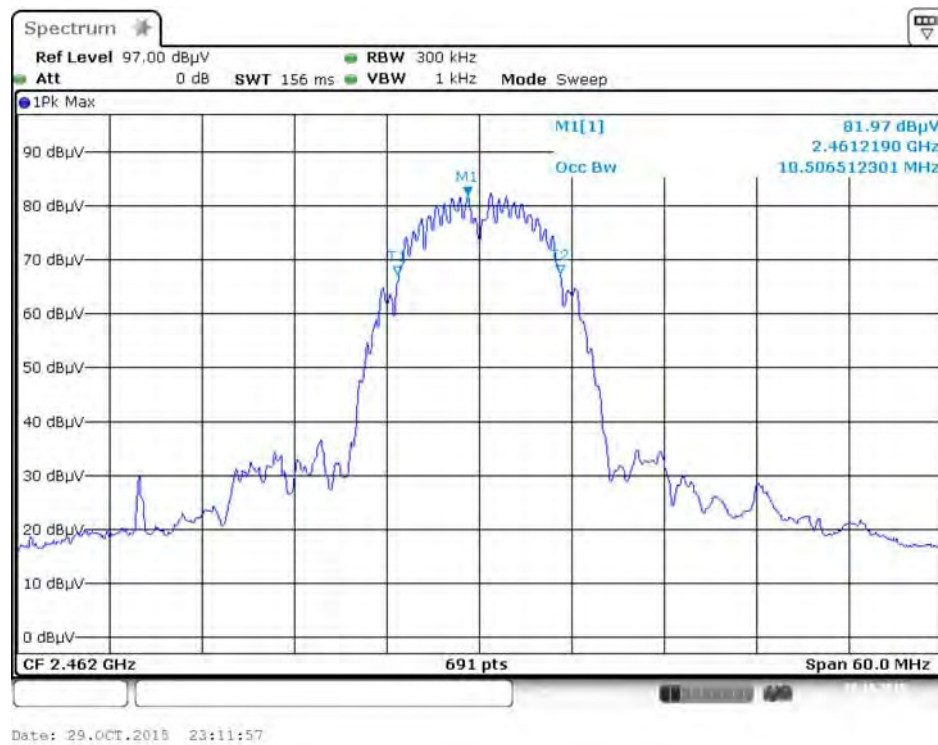
Date: 30.OCT.2015 21:07:20

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

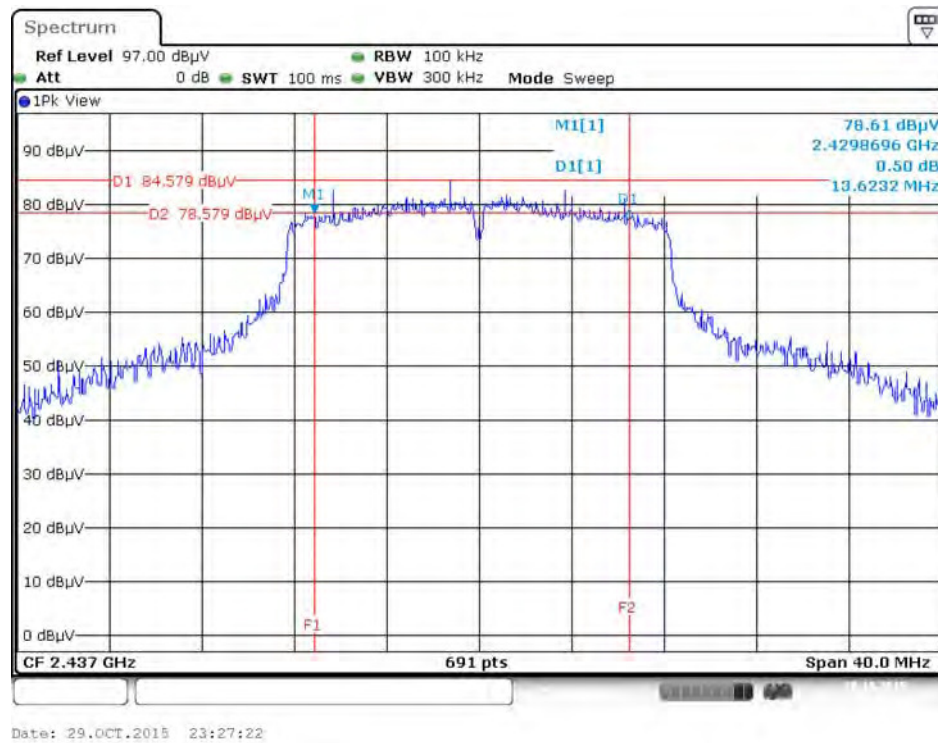
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



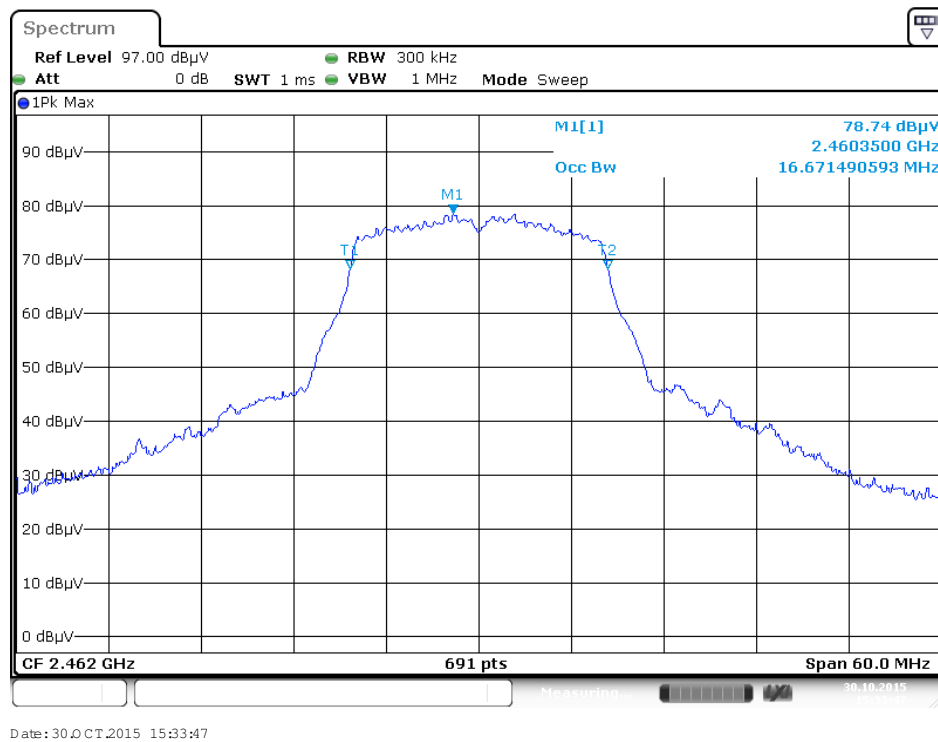
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



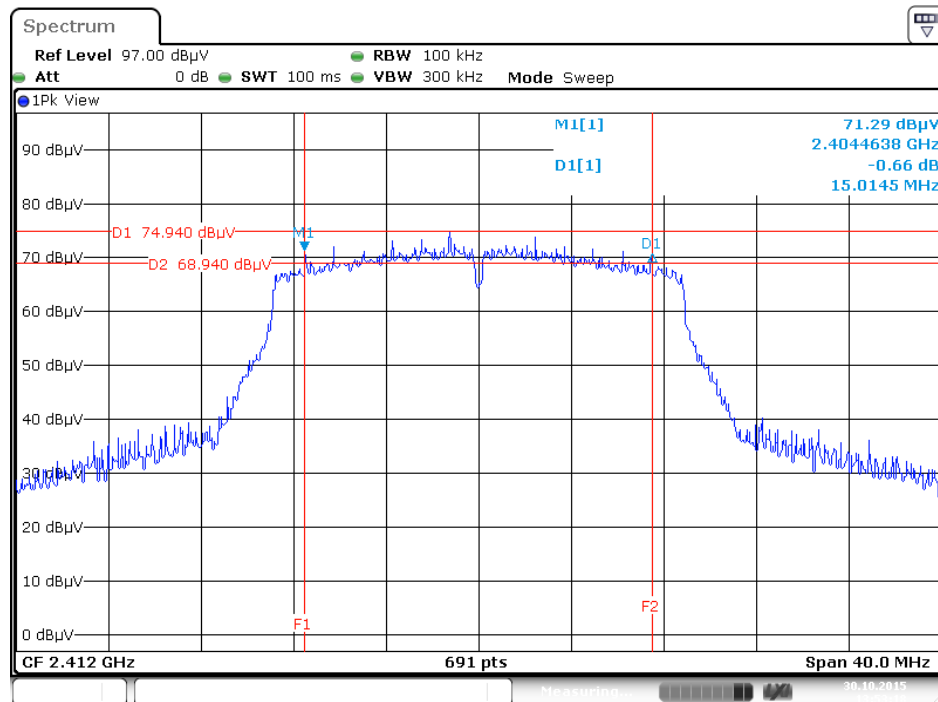
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



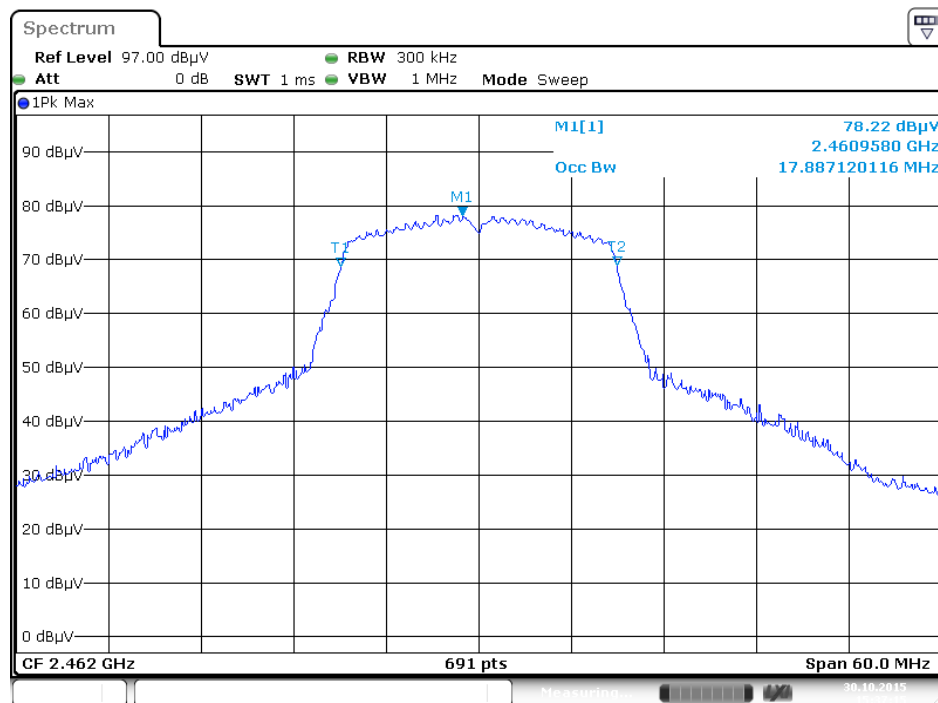
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



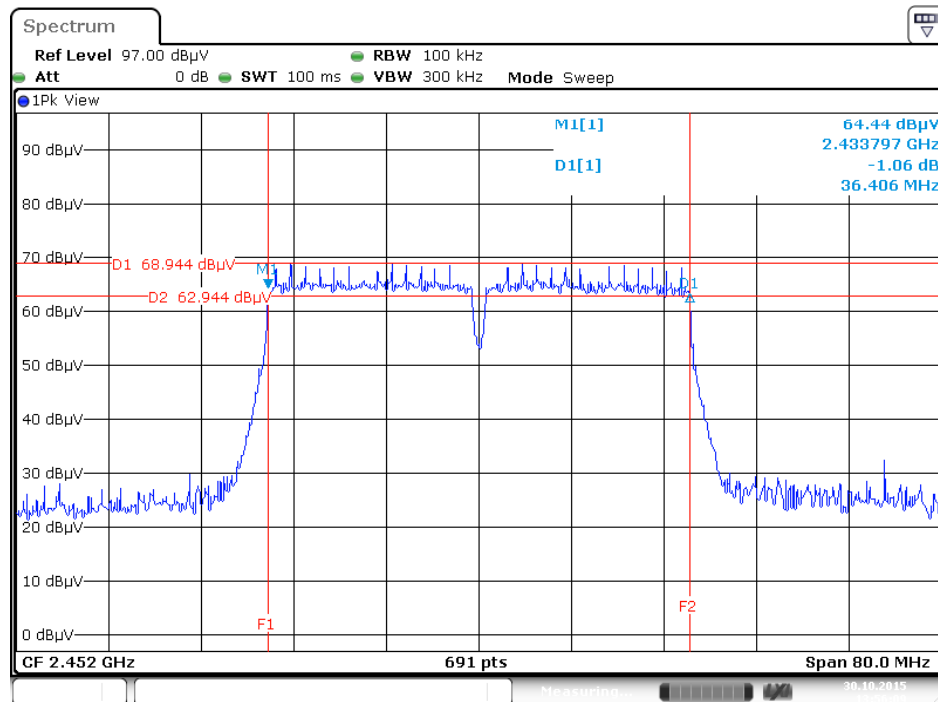
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



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

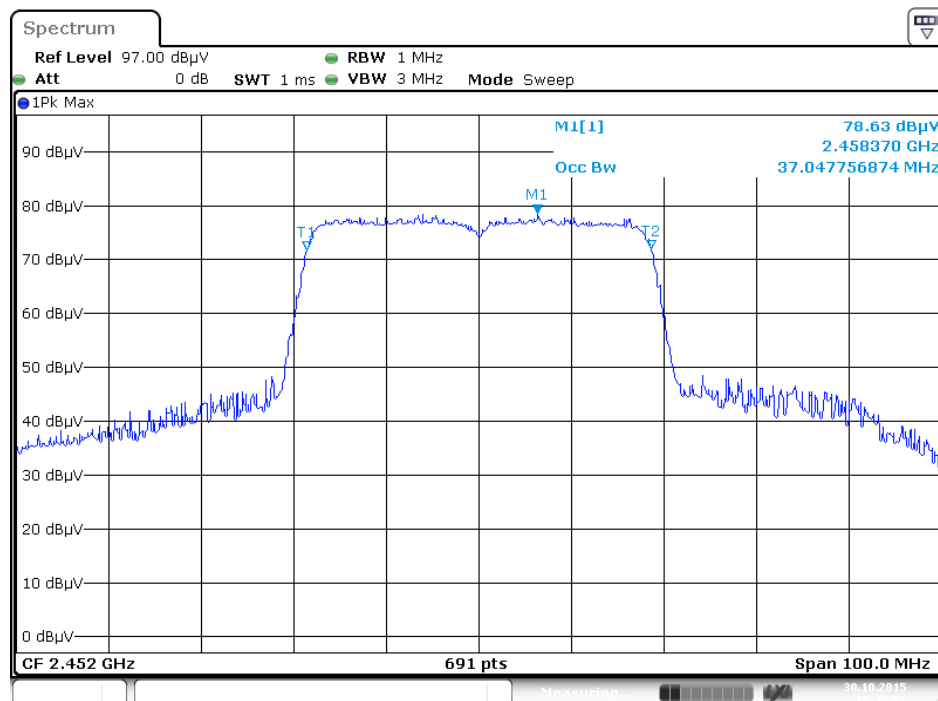


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



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

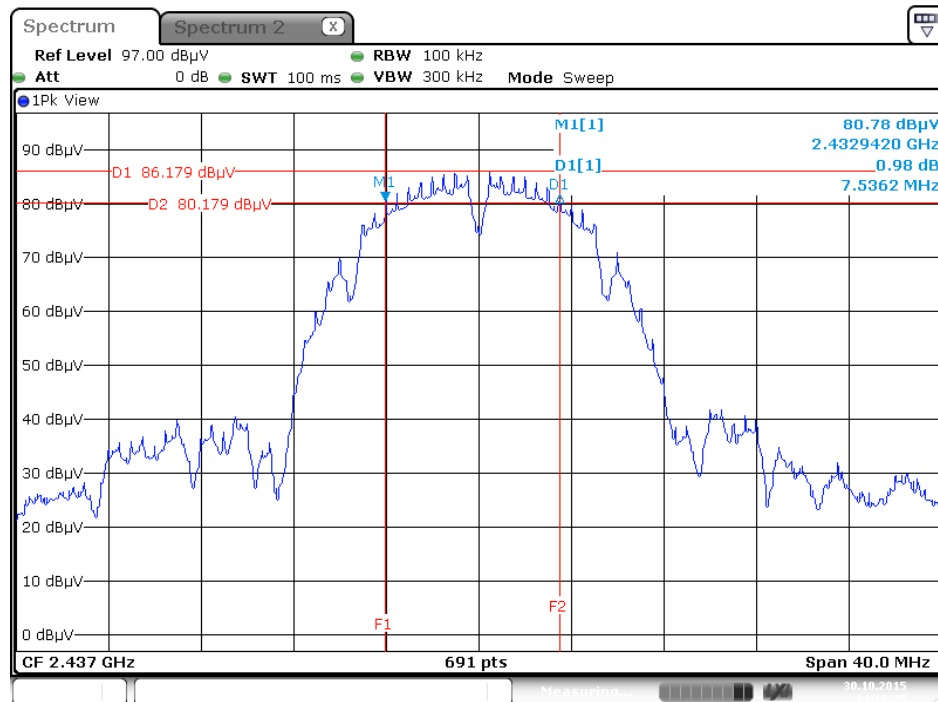
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



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

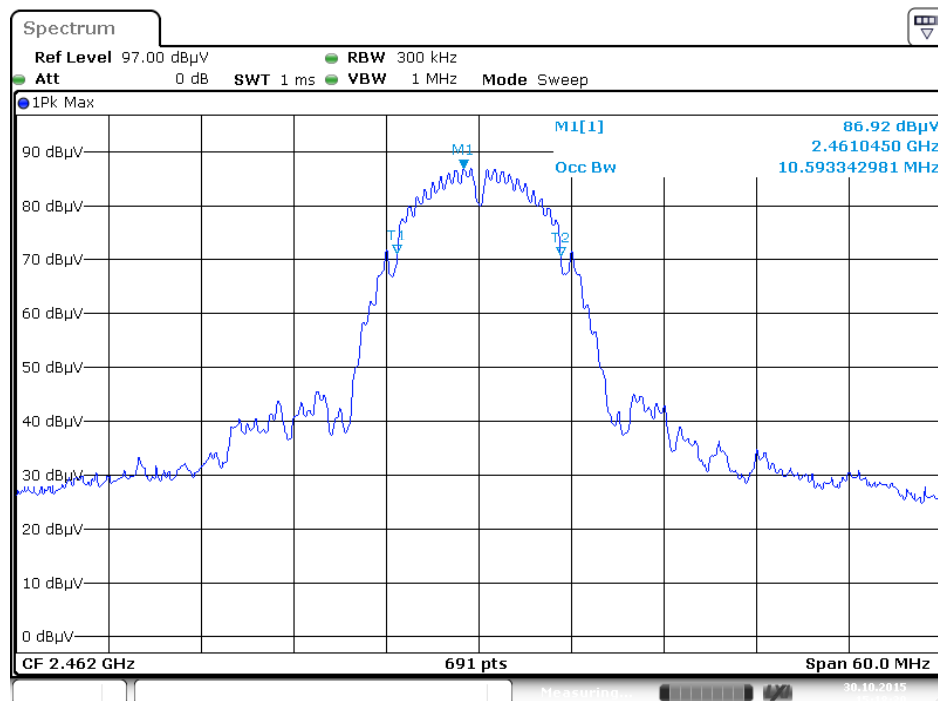
Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)

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



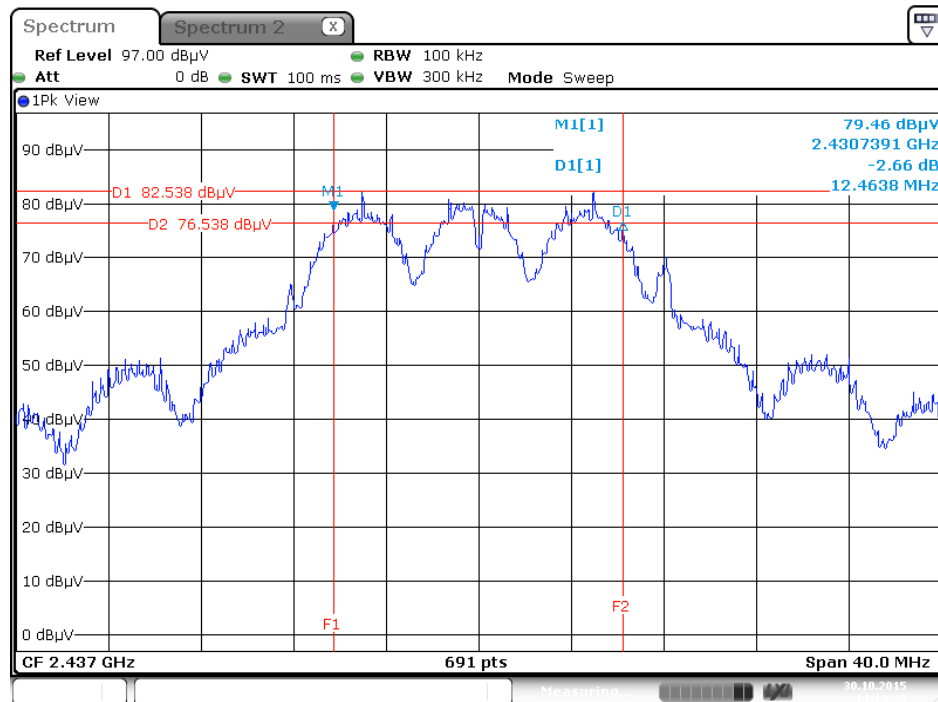
Date: 30 OCT 2015 14:16:25

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

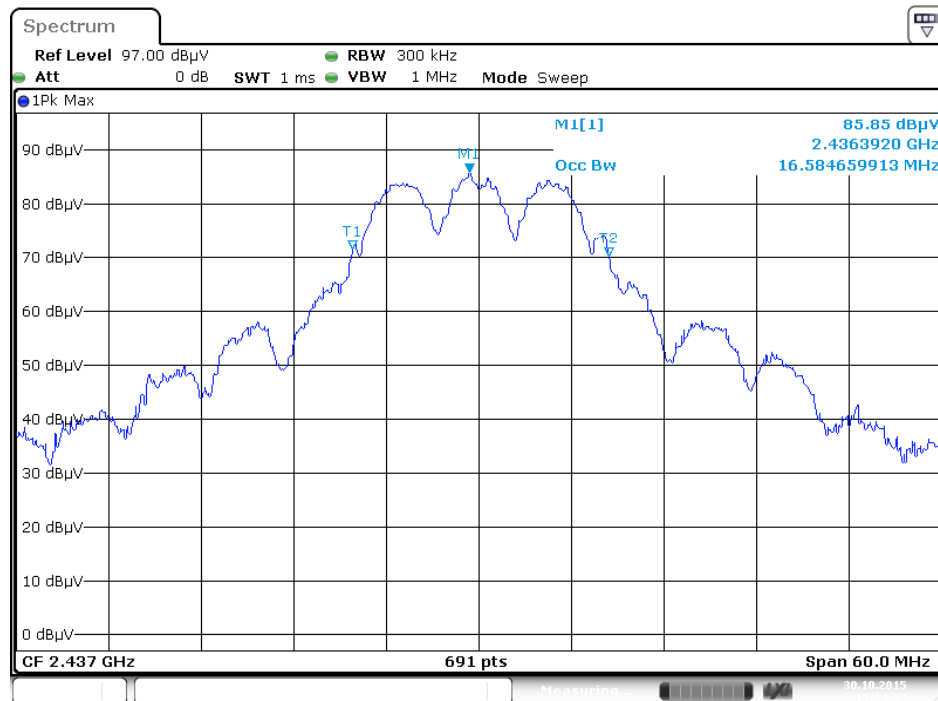


Date: 30 OCT 2015 15:18:30

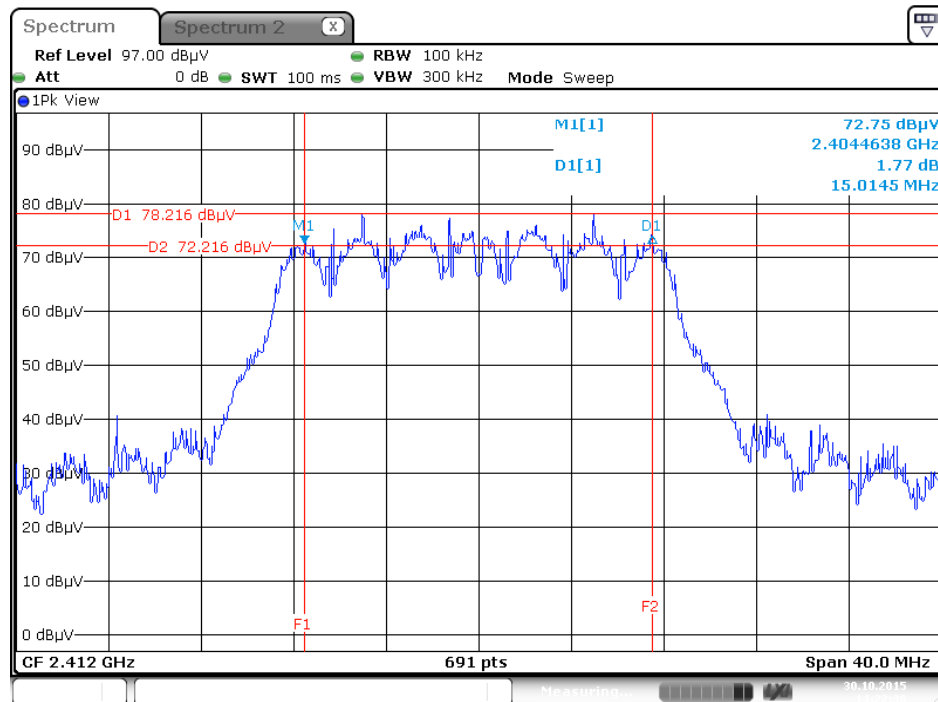
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 3



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

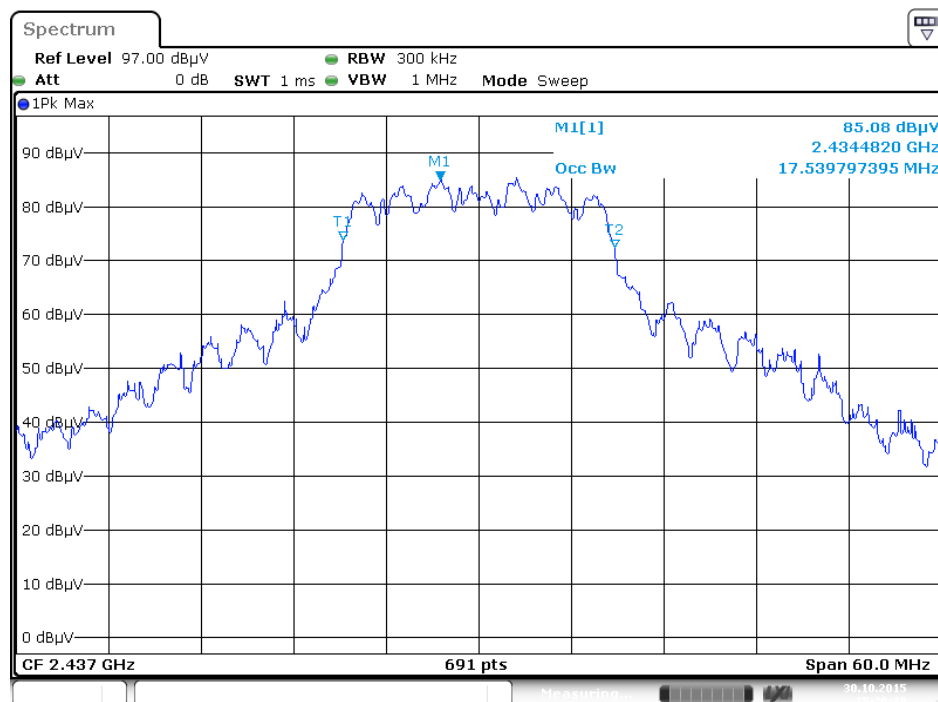


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 3



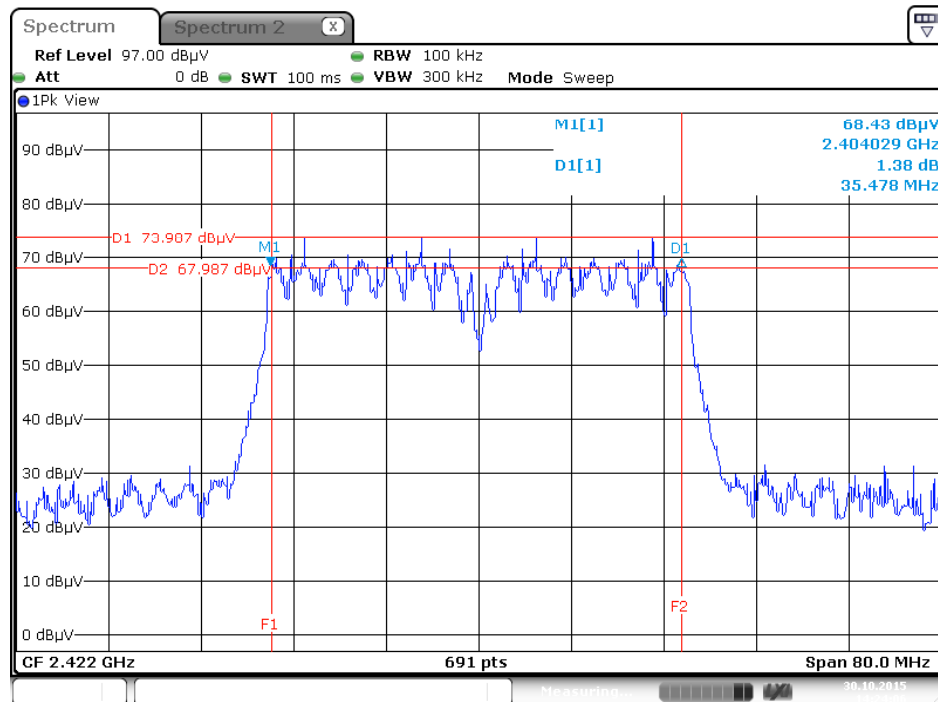
Date: 30 OCT 2015 14:22:38

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

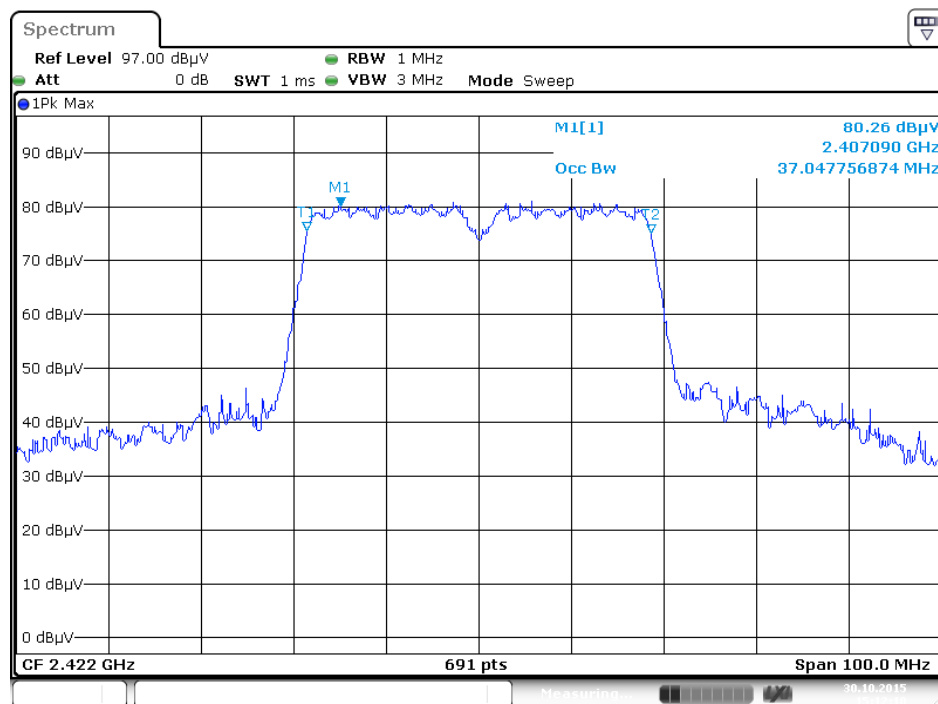


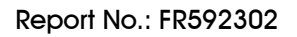
Date: 30 OCT 2015 15:26:38

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

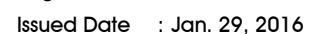


99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 3

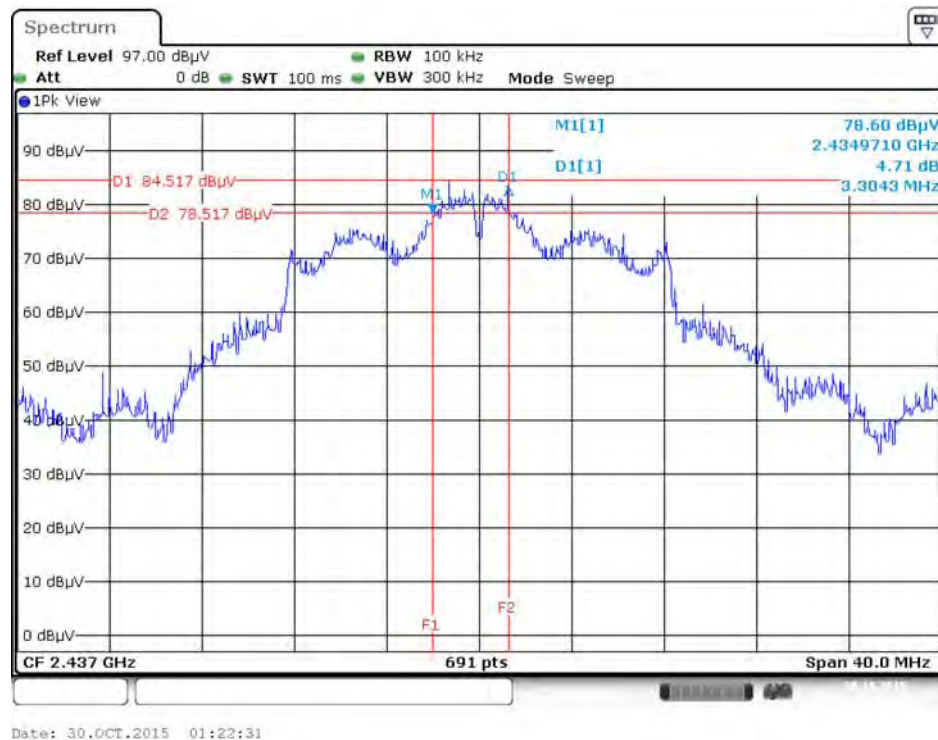




6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



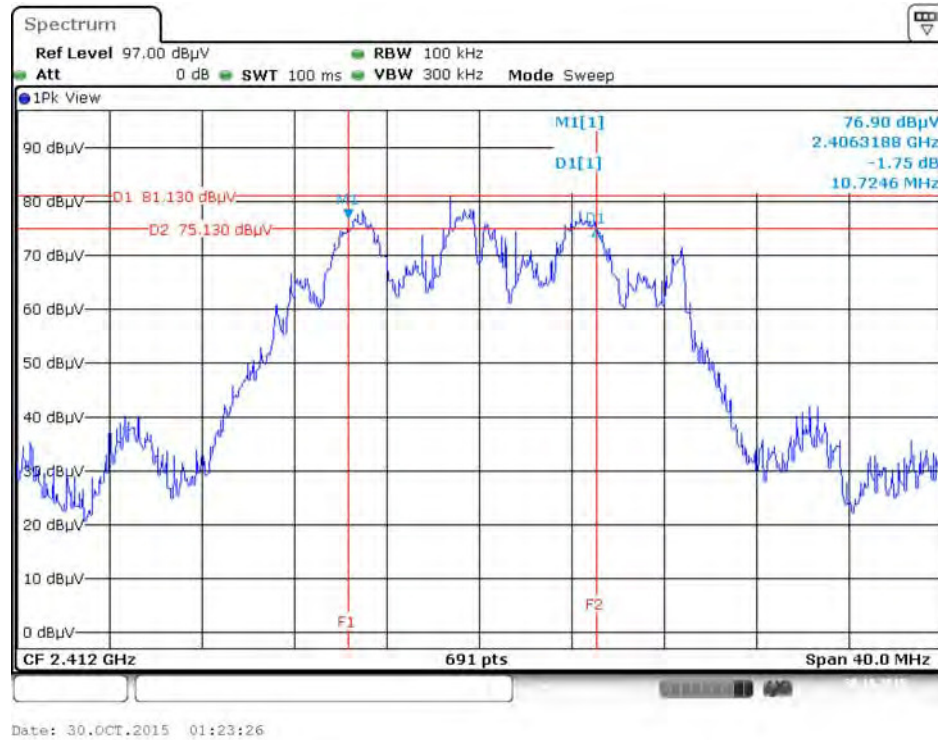
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



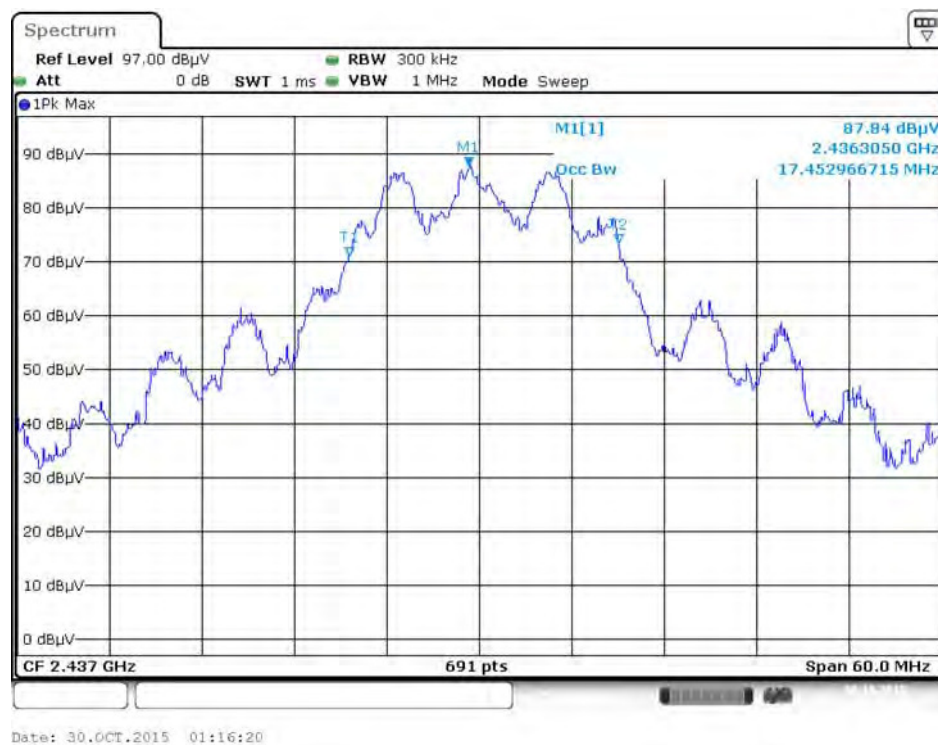
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



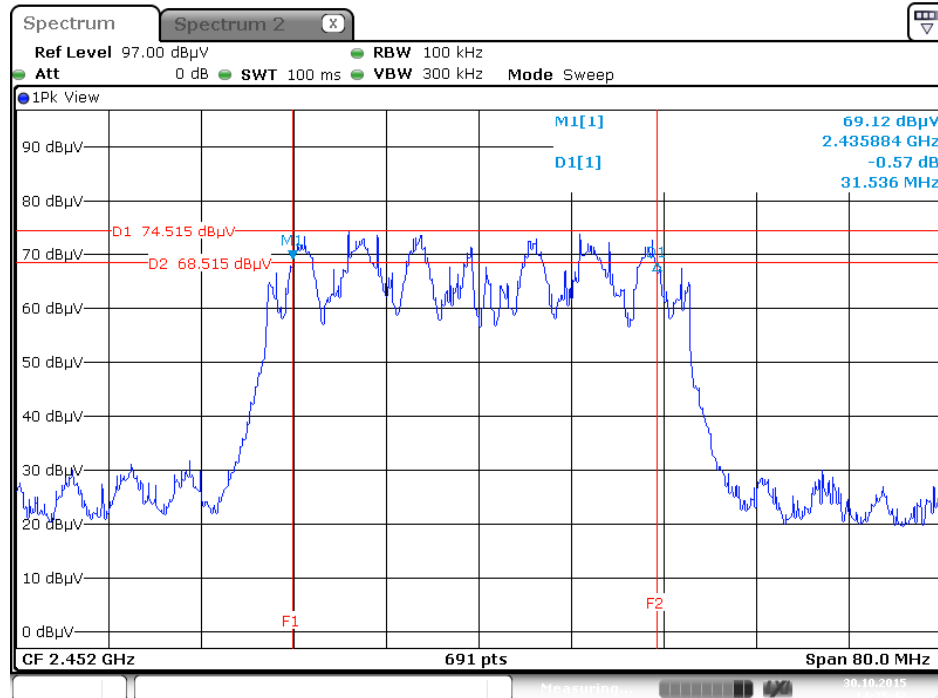
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3



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

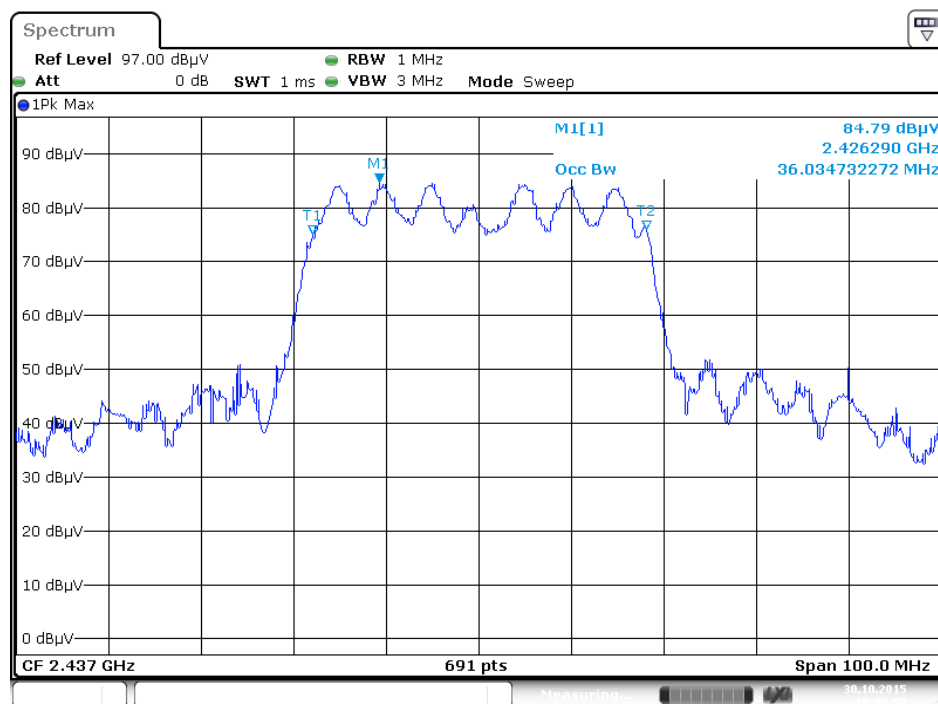


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



Date: 30 OCT 2015 14:35:42

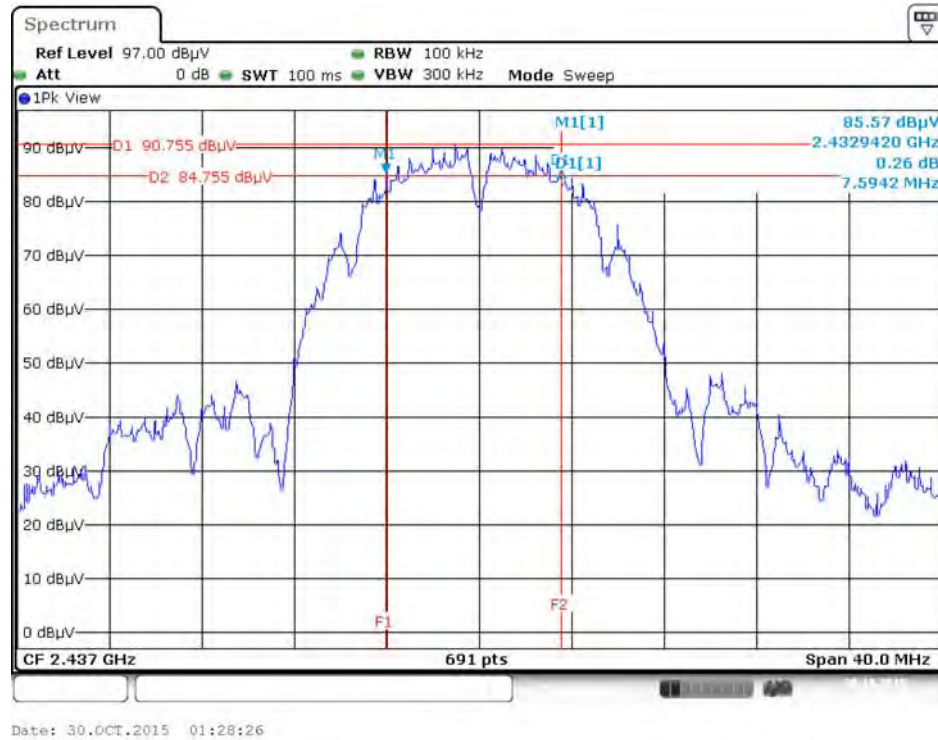
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



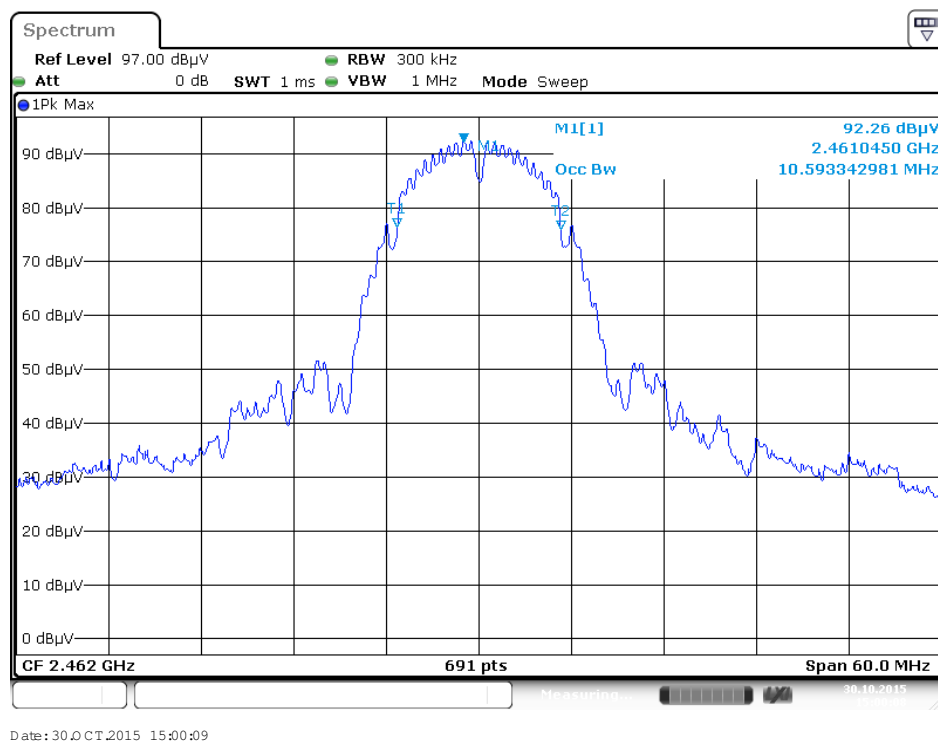
Date: 30 OCT 2015 15:03:59

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

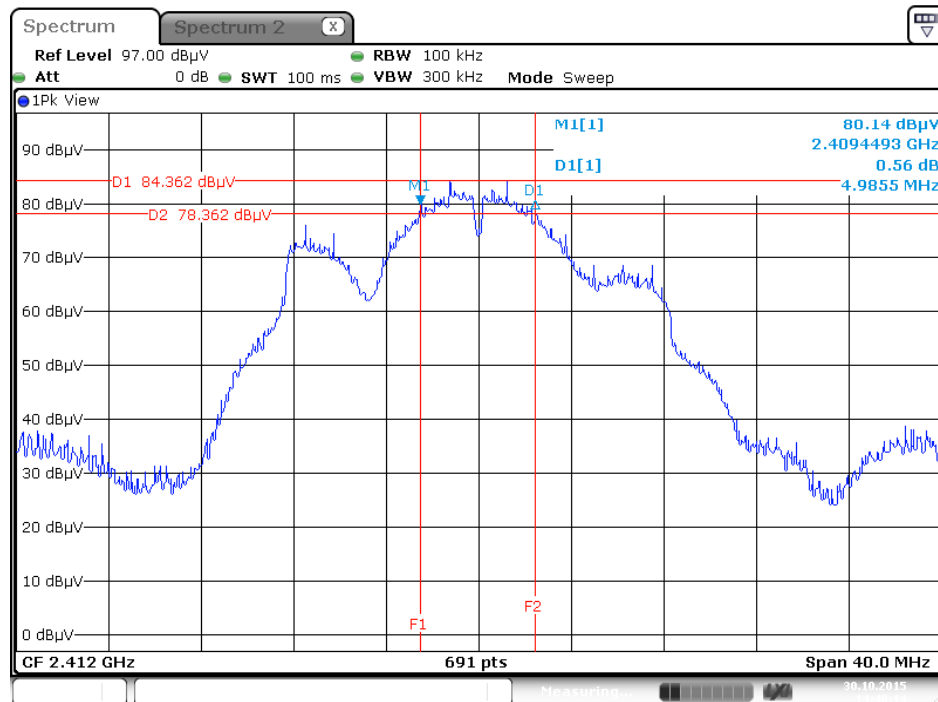
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



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

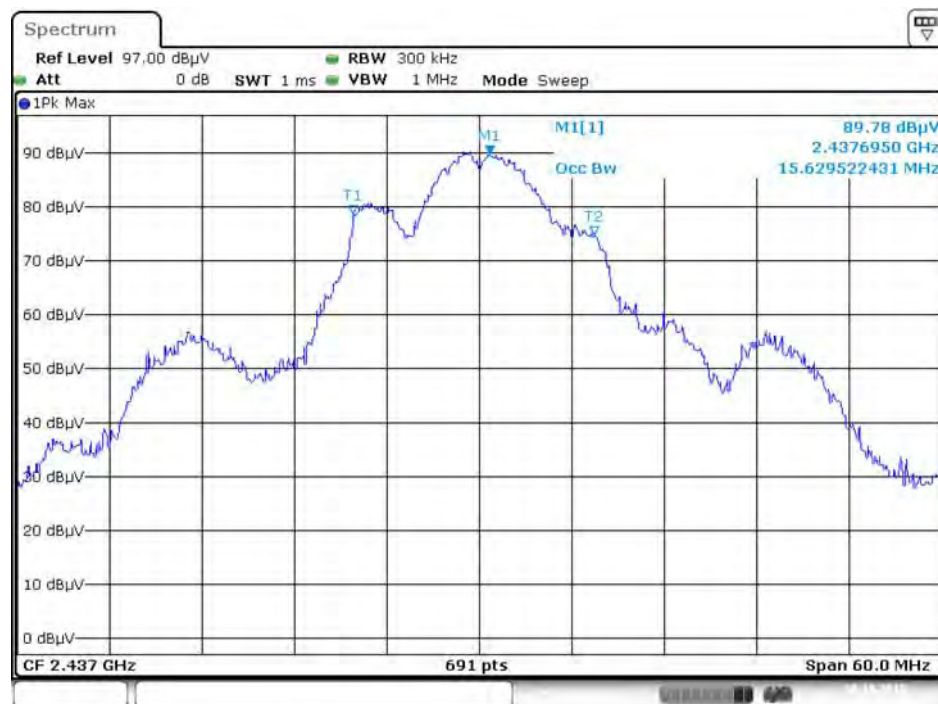


6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



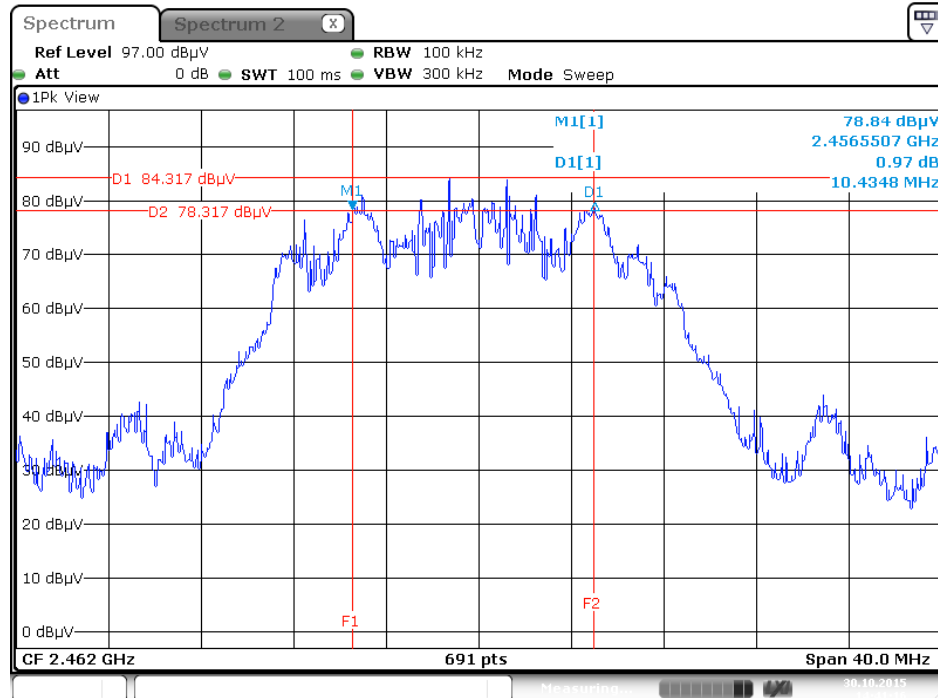
Date: 30.OCT.2015 14:40:14

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 / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



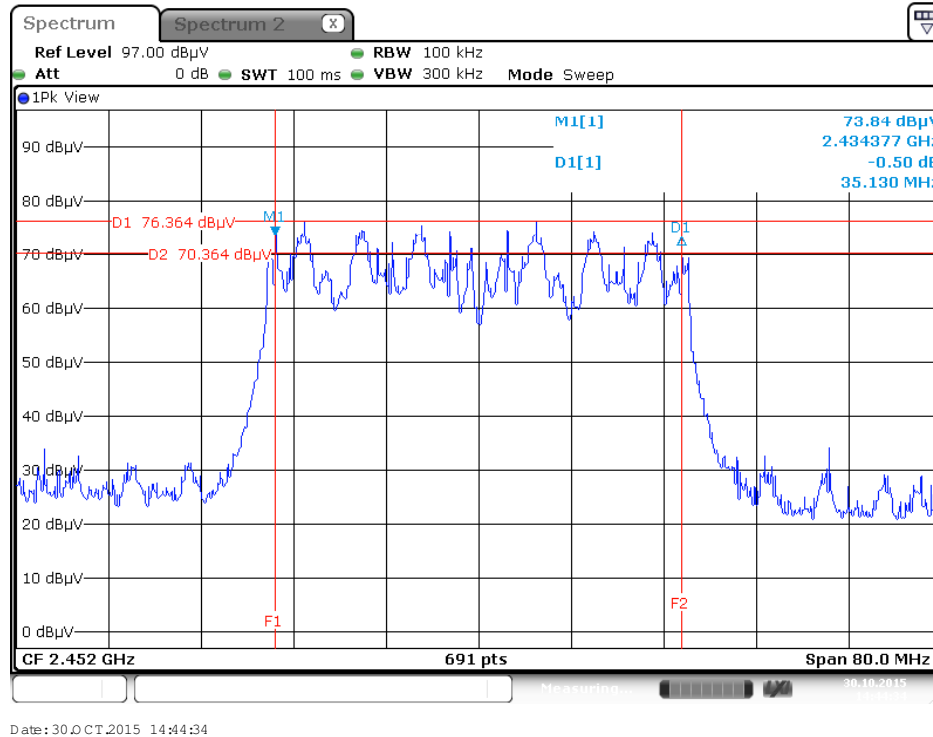
Date: 30.OCT.2015 14:41:15

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 / 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

