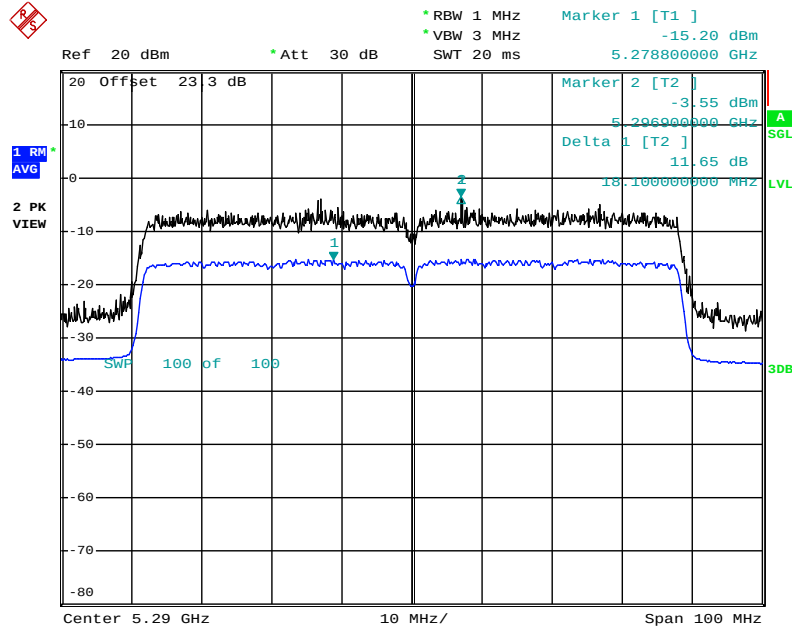
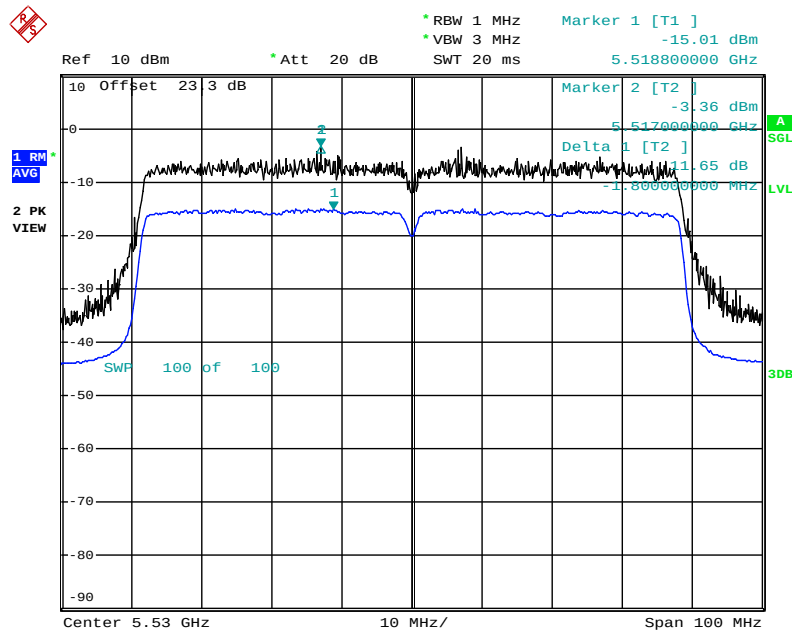


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5290 MHz



Date: 25.MAY.2013 06:59:07

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5530 MHz

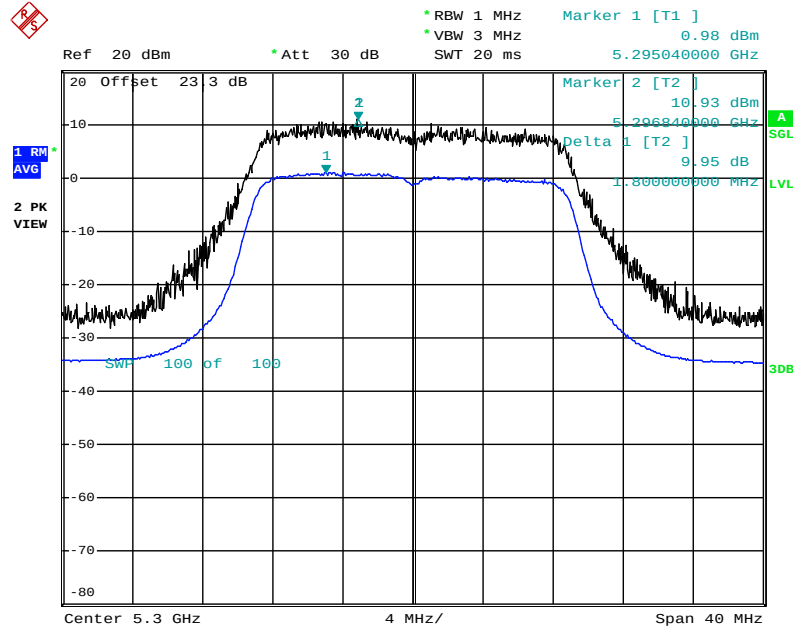


Date: 25.MAY.2013 07:02:09

2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

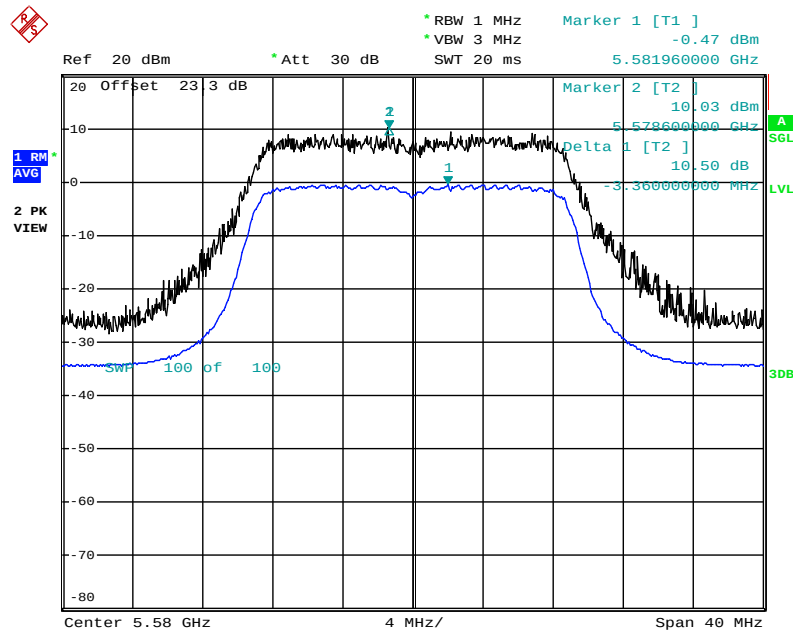
256QAM(MCS8) / 5300 MHz



Date: 25.MAY.2013 07:32:43

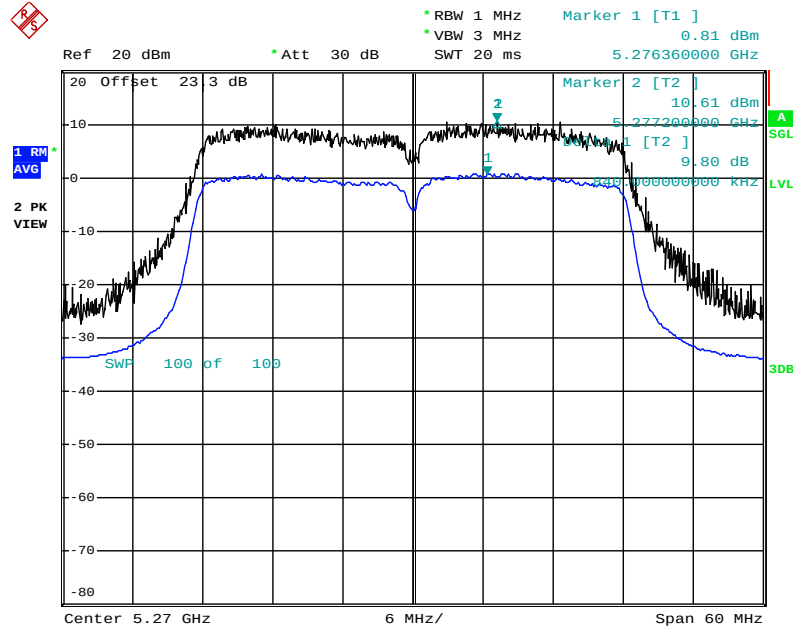
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

64QAM(MCS5) / 5580 MHz



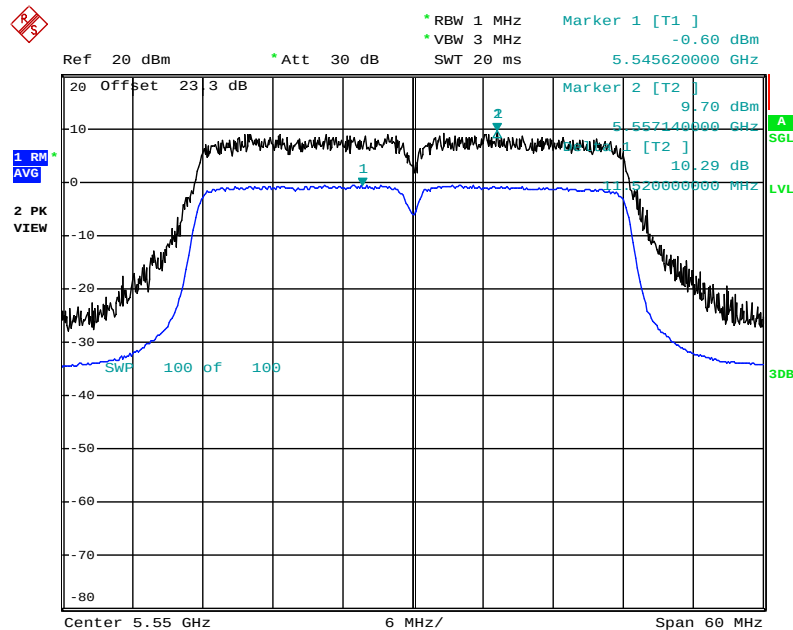
Date: 25.MAY.2013 08:04:48

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5270 MHz



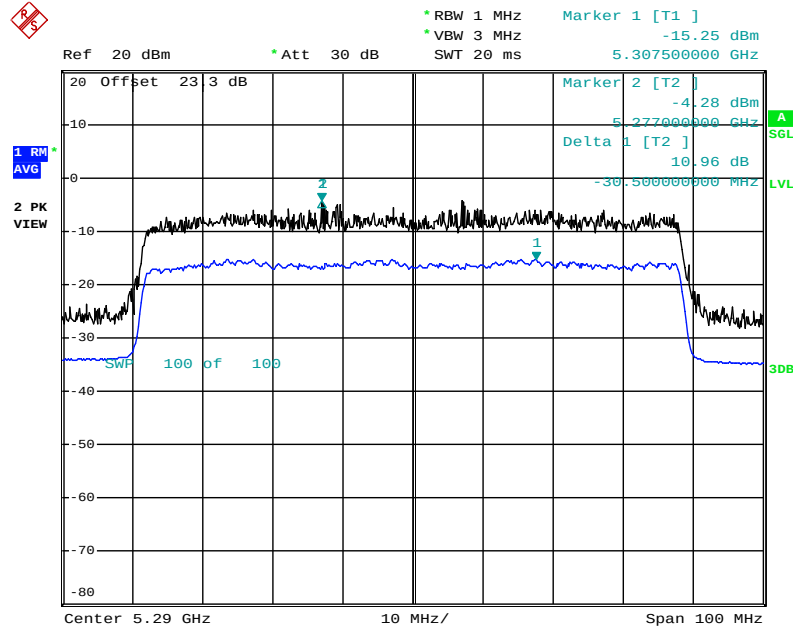
Date: 25.MAY.2013 09:34:23

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5550 MHz



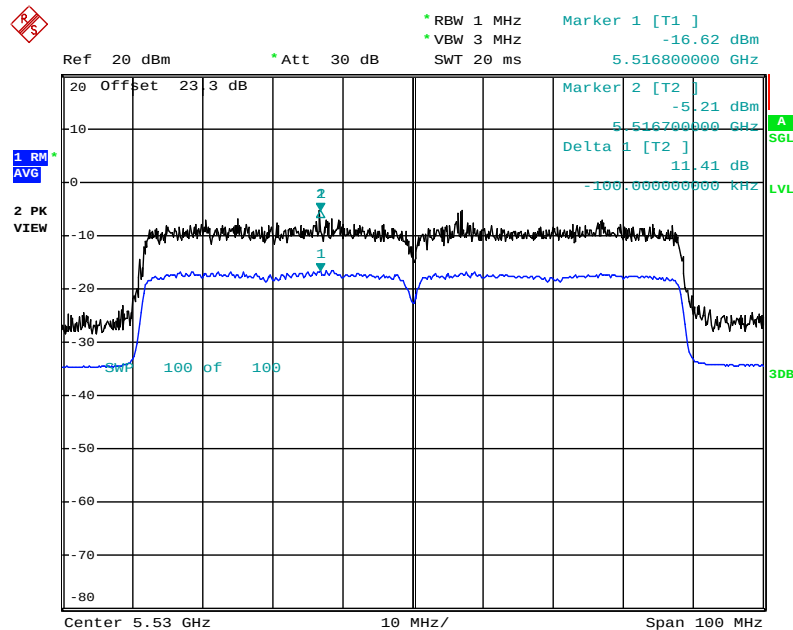
Date: 25.MAY.2013 09:27:28

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



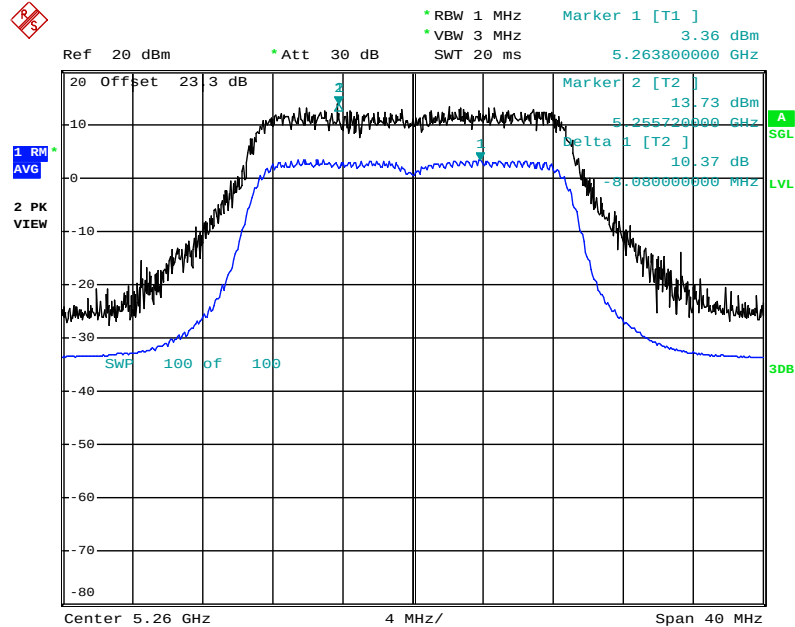
Date: 25.MAY.2013 14:22:20

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5530 MHz



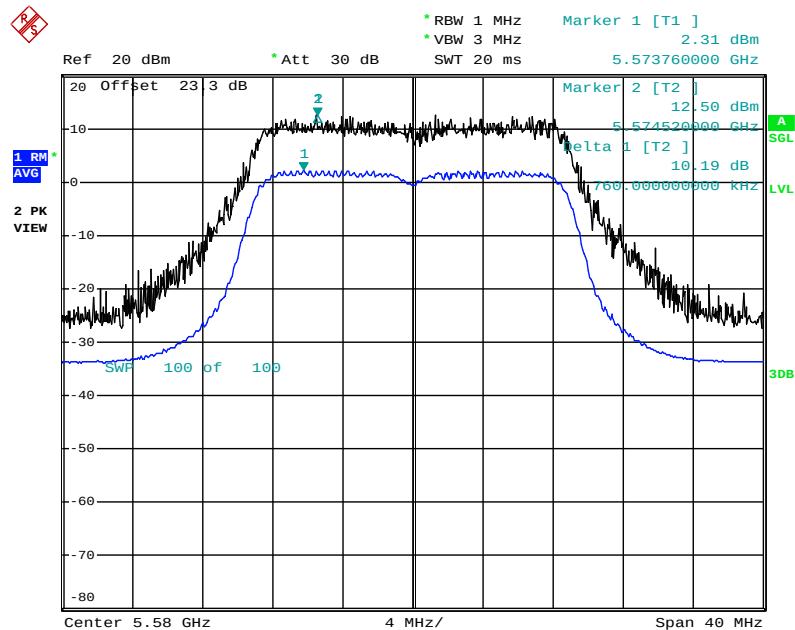
Date: 25.MAY.2013 14:19:36

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5260 MHz



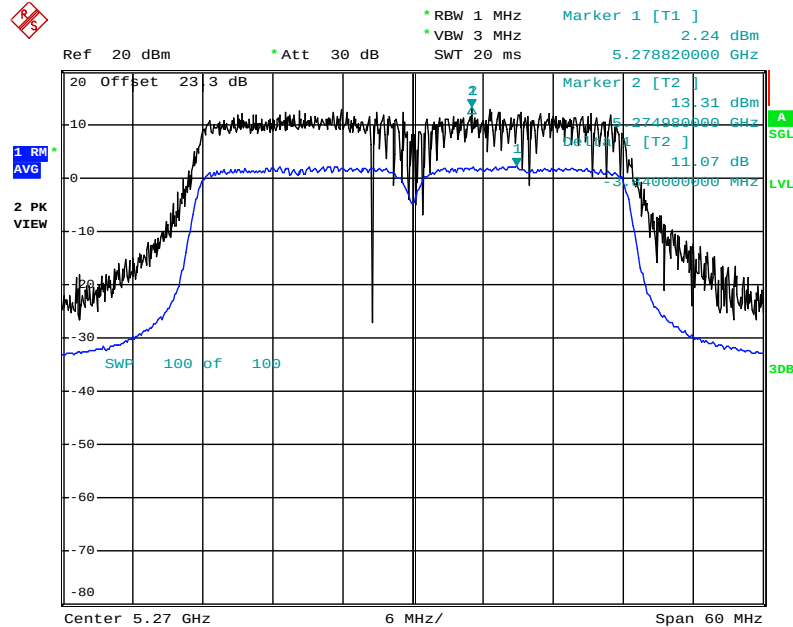
Date: 27.MAY.2013 07:58:44

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5580 MHz



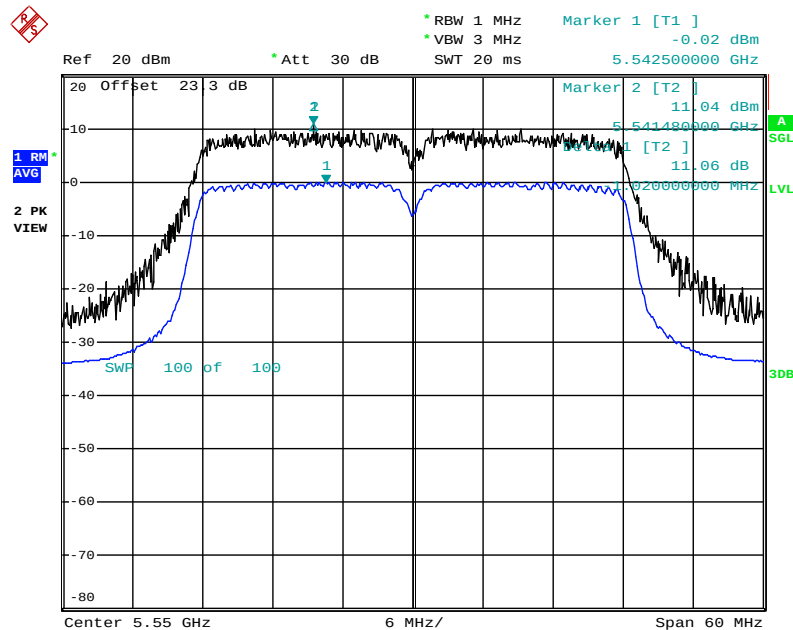
Date: 27.MAY.2013 08:05:31

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5270 MHz



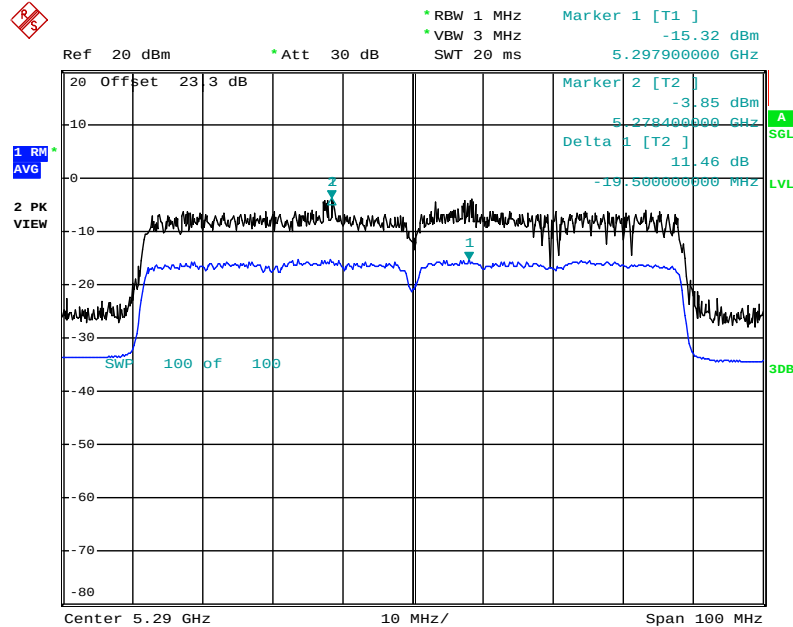
Date: 27.MAY.2013 08:49:41

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5550 MHz



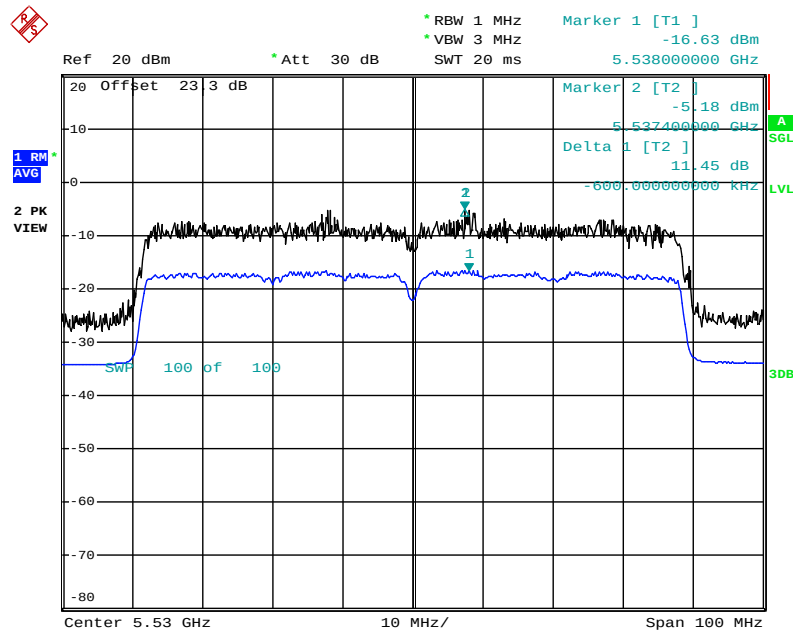
Date: 27.MAY.2013 08:25:30

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



Date: 27.MAY.2013 09:14:15

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5530 MHz



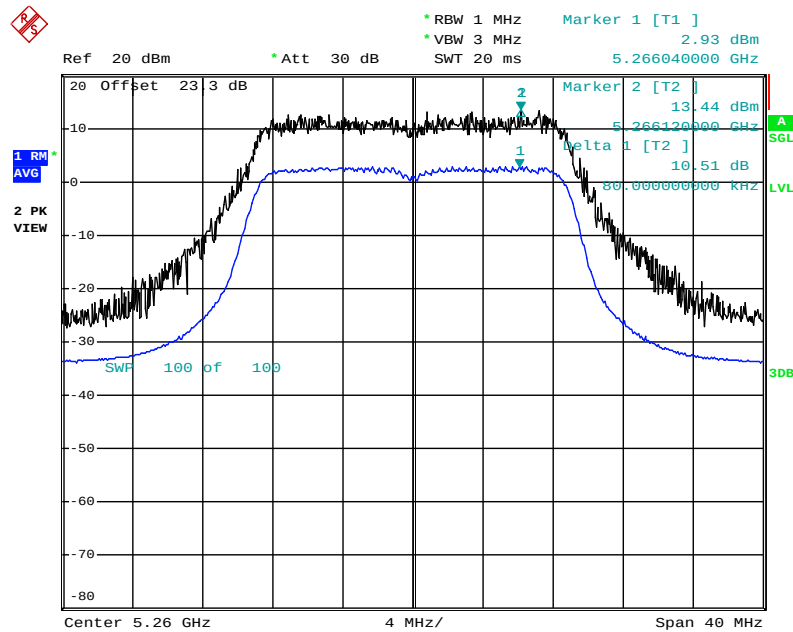
Date: 27.MAY.2013 09:17:56

Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 64QAM(MCS5) /

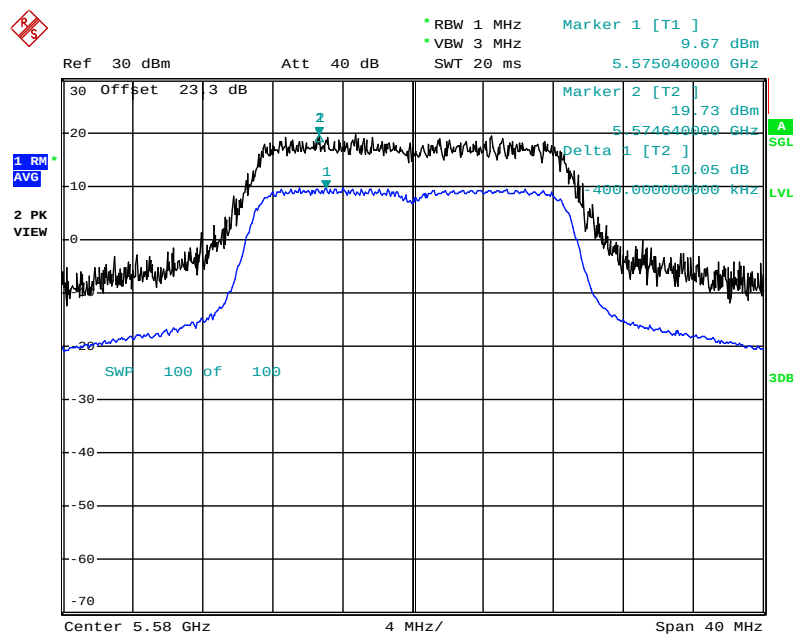
5260 MHz



Date: 28.MAY.2013 12:41:27

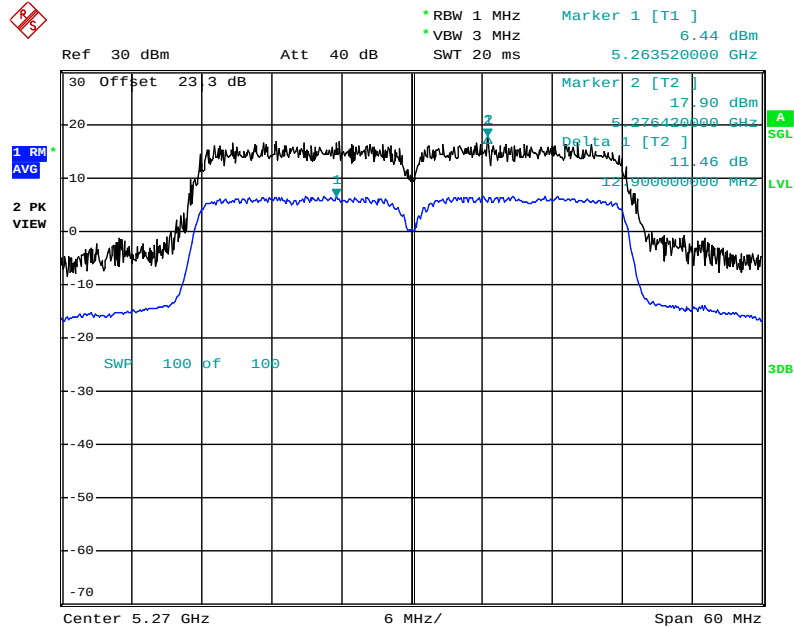
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

5580 MHz



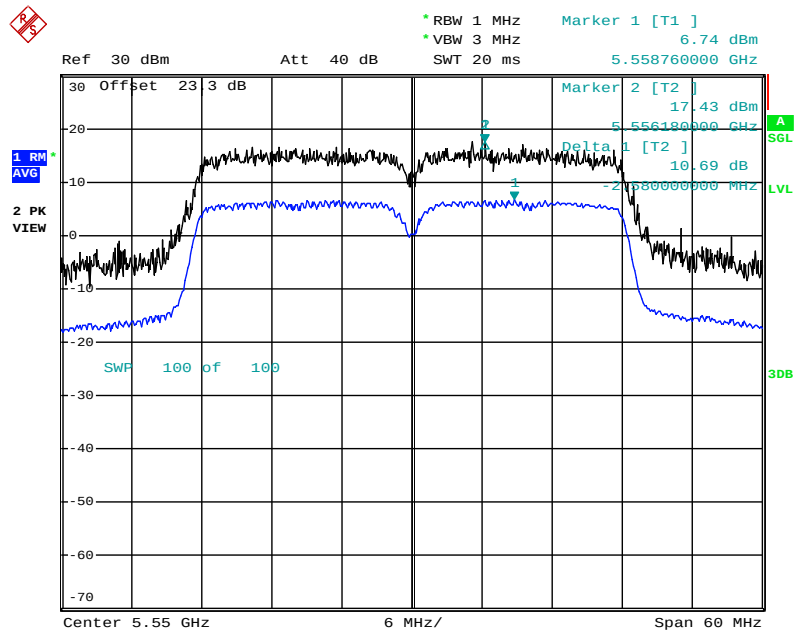
Date: 21.MAY.2013 12:30:22

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5270 MHz



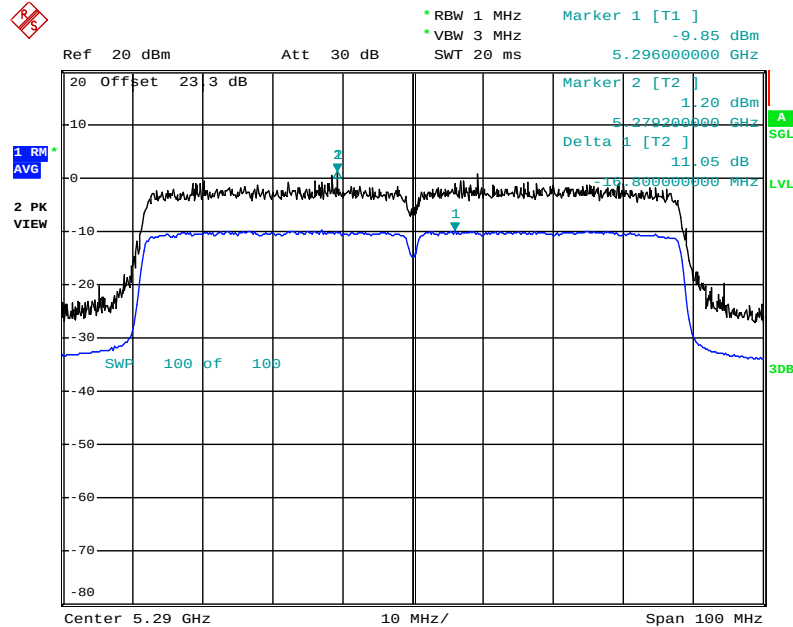
Date: 21.MAY.2013 12:38:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5550 MHz



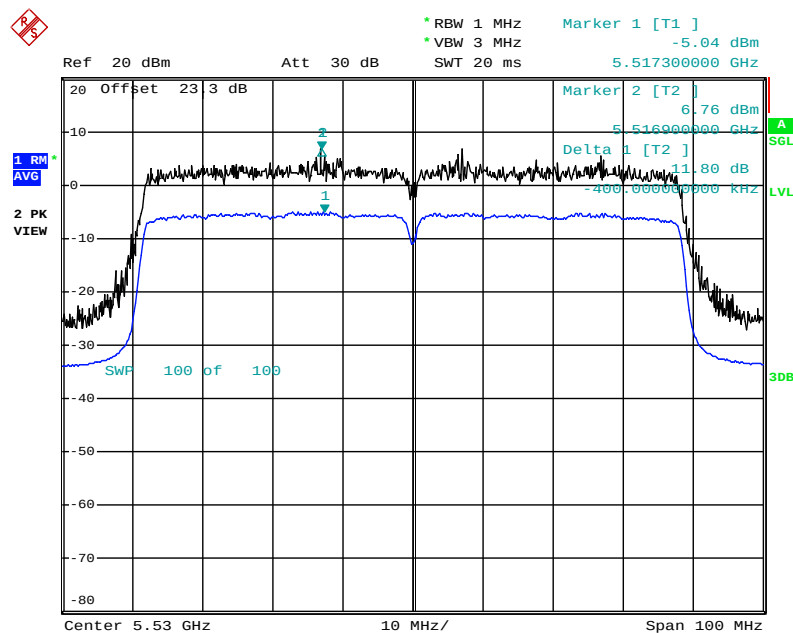
Date: 21.MAY.2013 12:36:32

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5290 MHz



Date: 21.MAY.2013 12:54:22

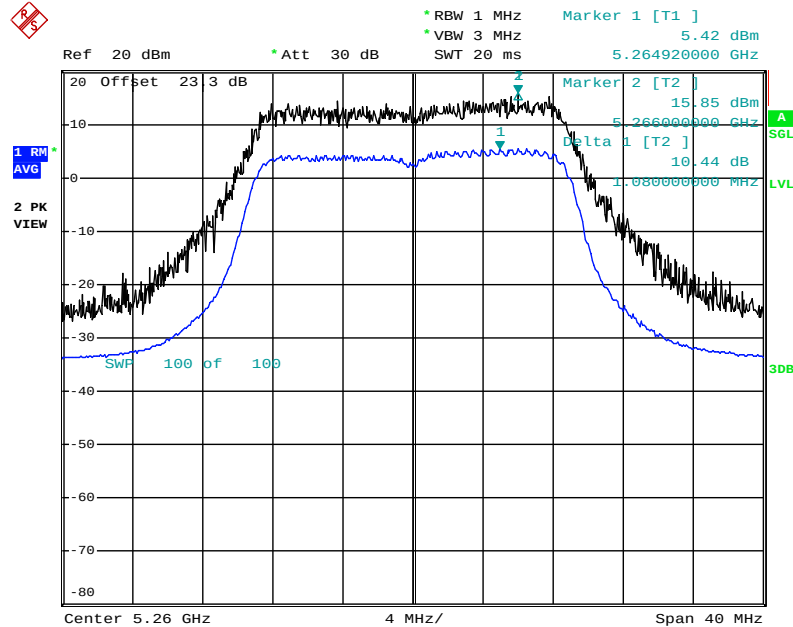
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5530 MHz



Date: 21.MAY.2013 13:28:33

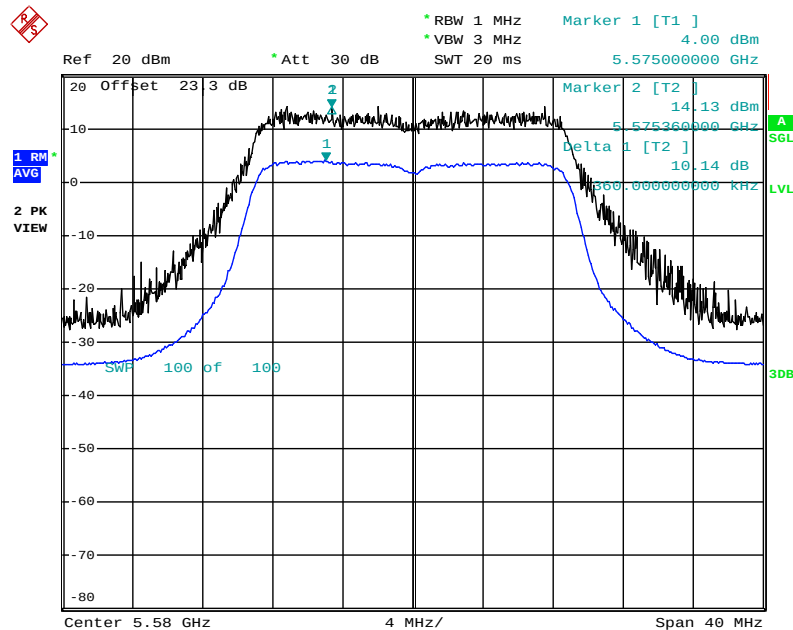
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5260 MHz



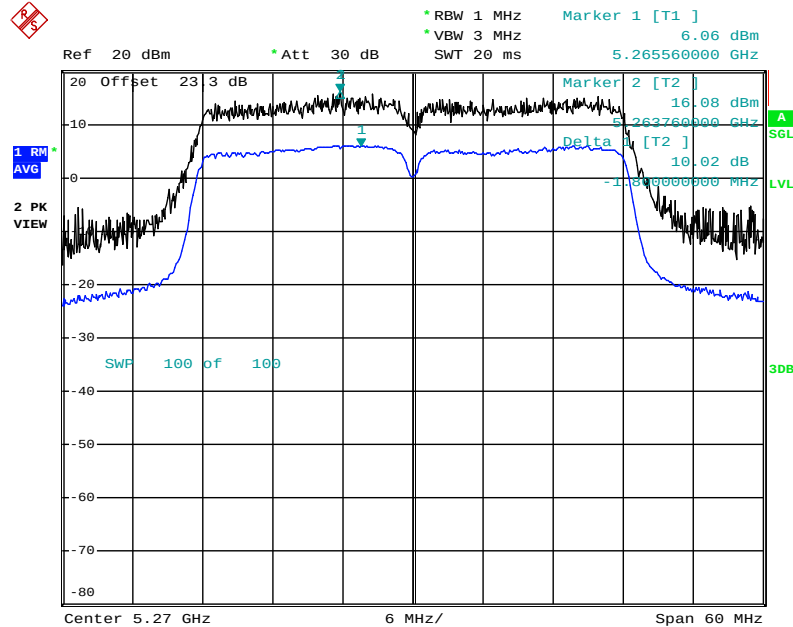
Date: 25.MAY.2013 07:41:23

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 64QAM(MCS5) / 5580 MHz



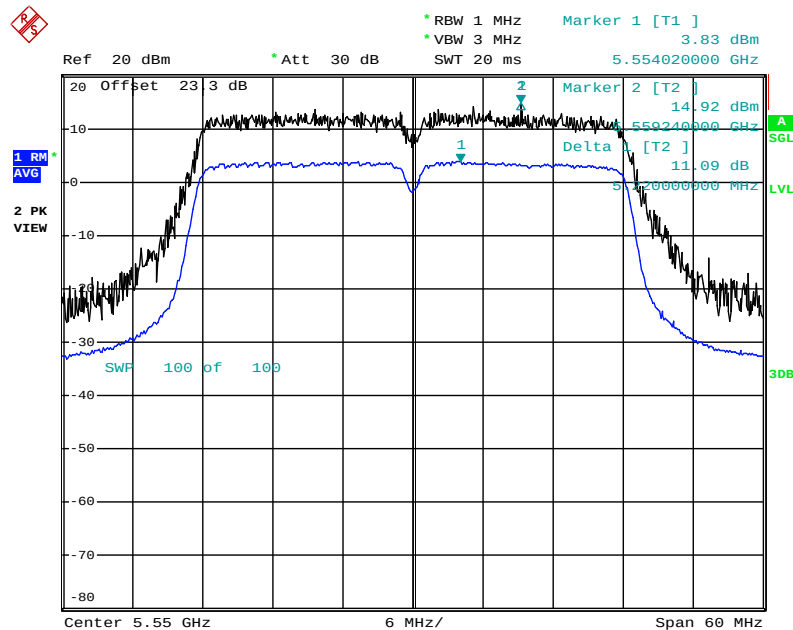
Date: 25.MAY.2013 07:59:44

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 64QAM(MCS5) / 5270 MHz



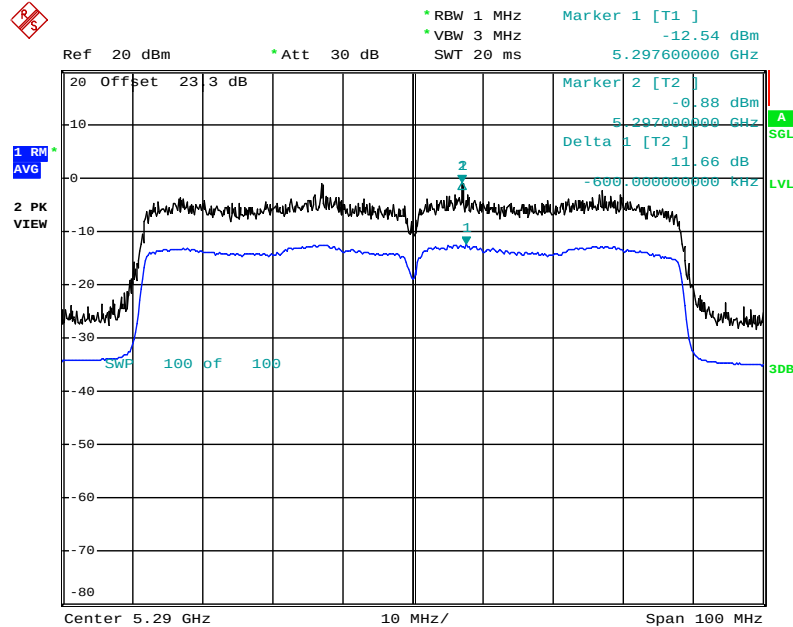
Date: 25.MAY.2013 09:42:48

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5550 MHz



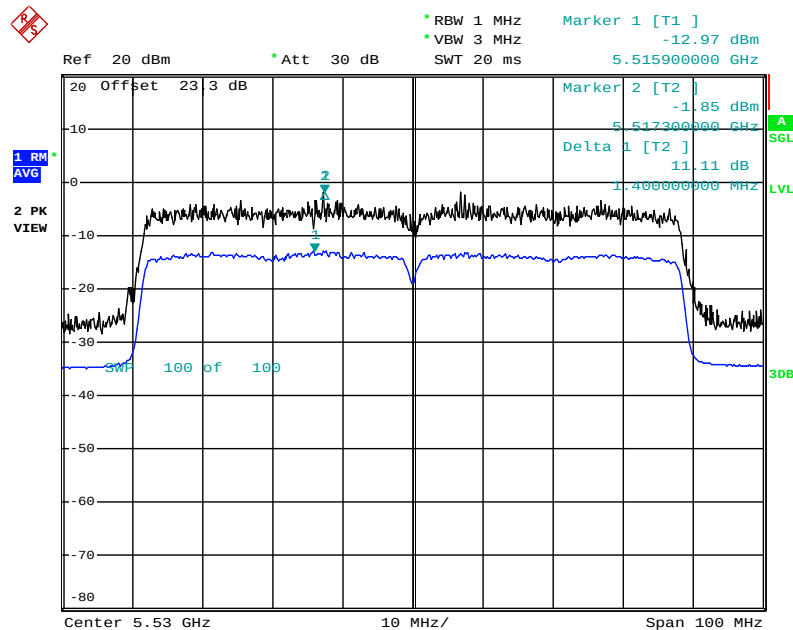
Date: 25.MAY.2013 09:21:39

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



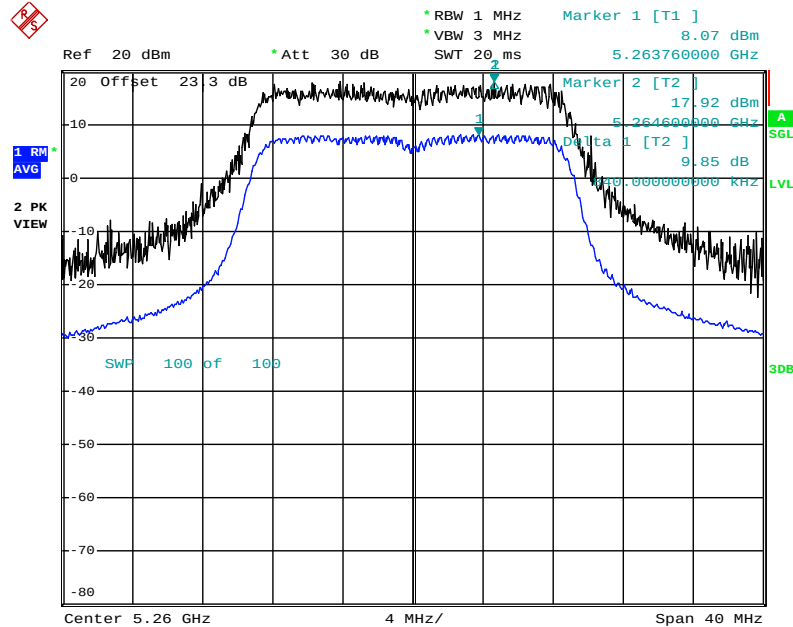
Date: 25.MAY.2013 14:02:56

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5530 MHz



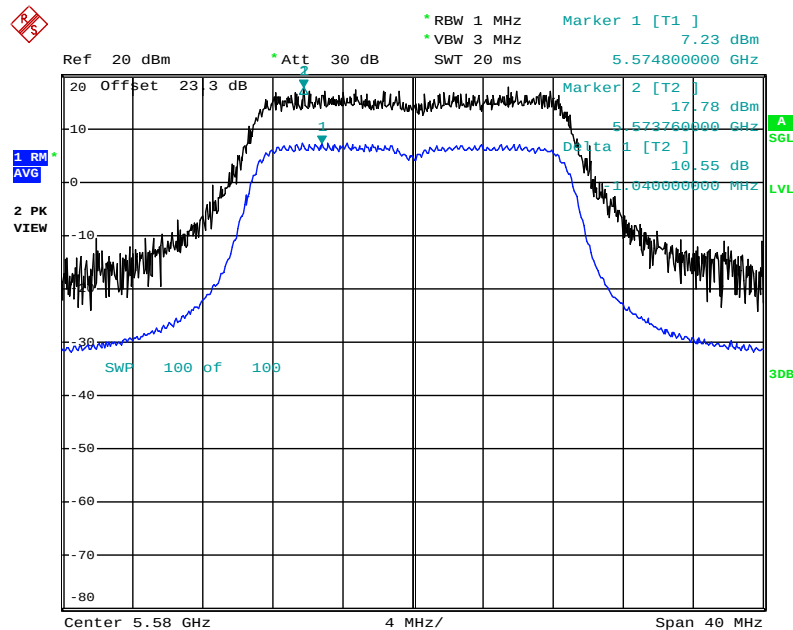
Date: 25.MAY.2013 14:06:46

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5260 MHz



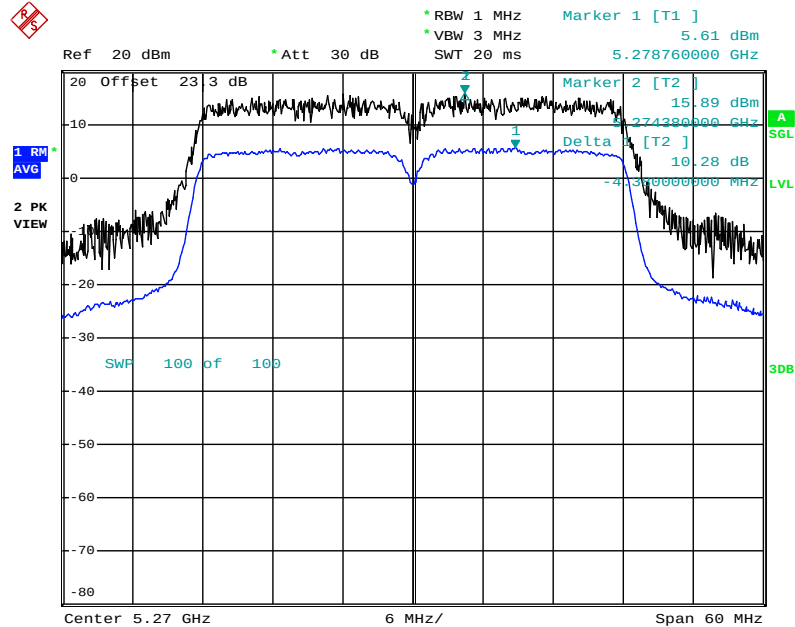
Date: 27.MAY.2013 07:57:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5580 MHz



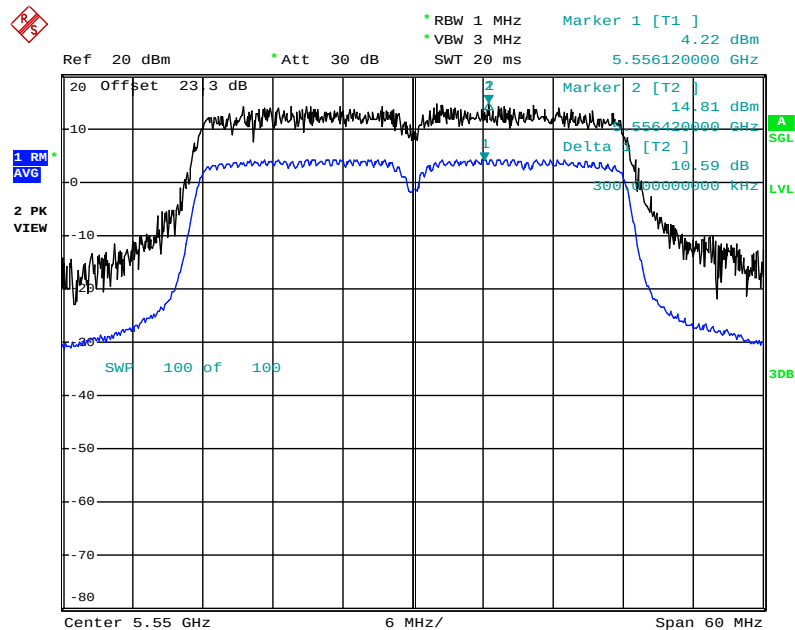
Date: 27.MAY.2013 08:12:48

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5270 MHz



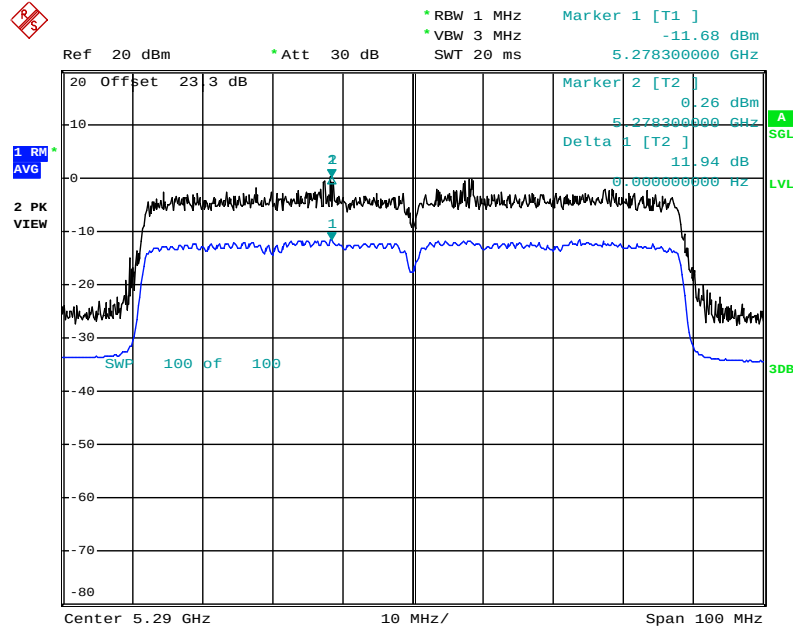
Date: 27.MAY.2013 08:54:59

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5550 MHz



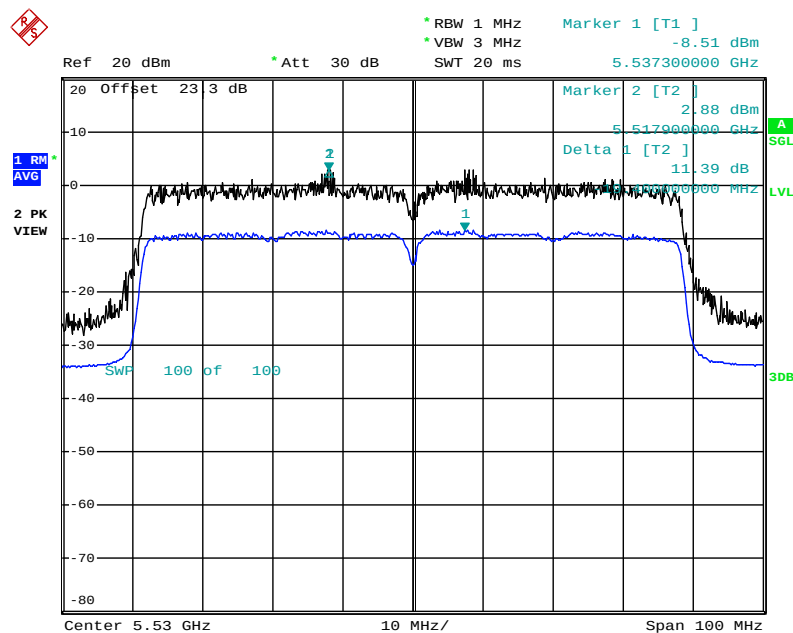
Date: 27.MAY.2013 08:19:03

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



Date: 27.MAY.2013 09:12:06

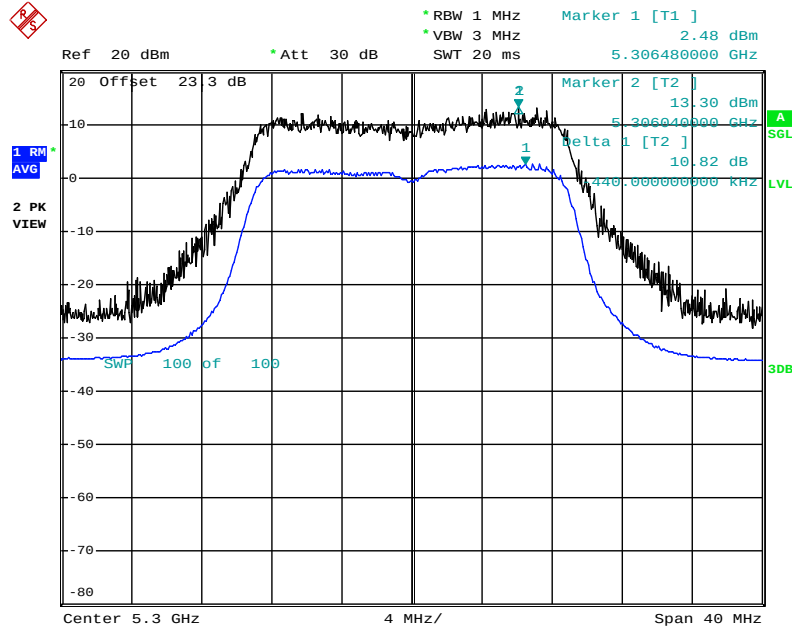
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5530 MHz



Date: 27.MAY.2013 09:24:23

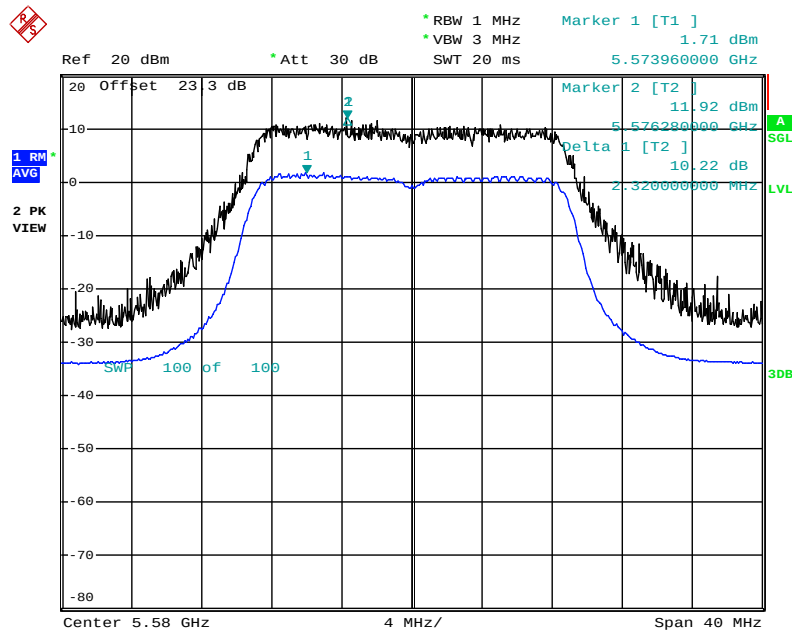
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /
256QAM(MCS8) / 5300 MHz



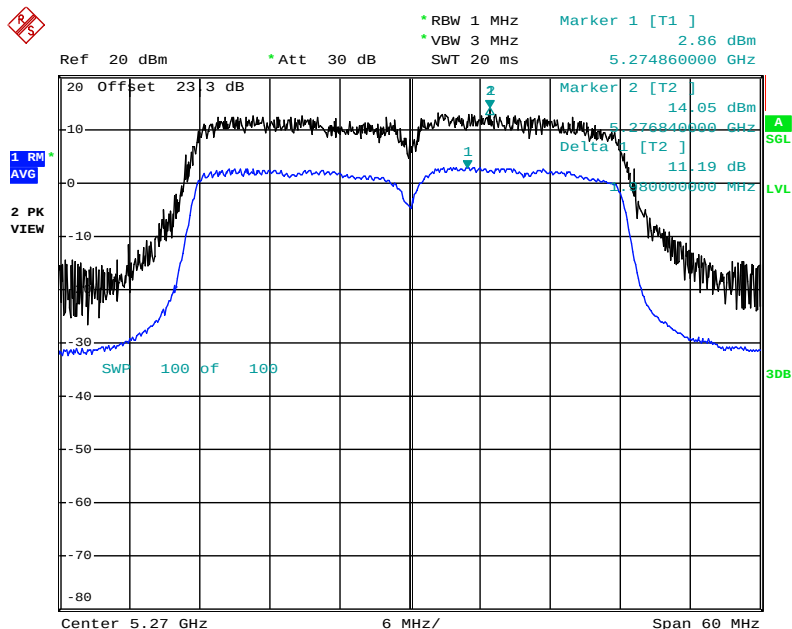
Date: 28.MAY.2013 00:22:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /
64QAM(MCS5) / 5580 MHz



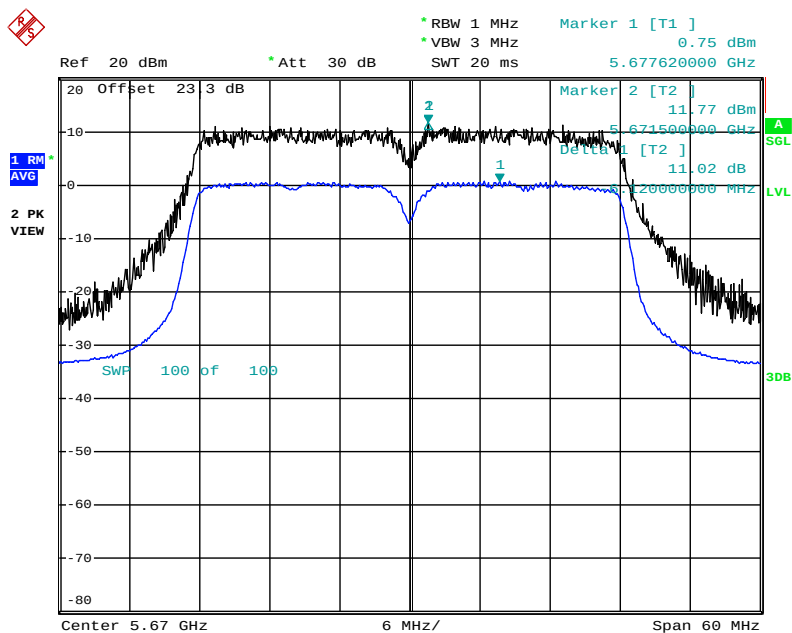
Date: 28.MAY.2013 00:46:24

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5270 MHz



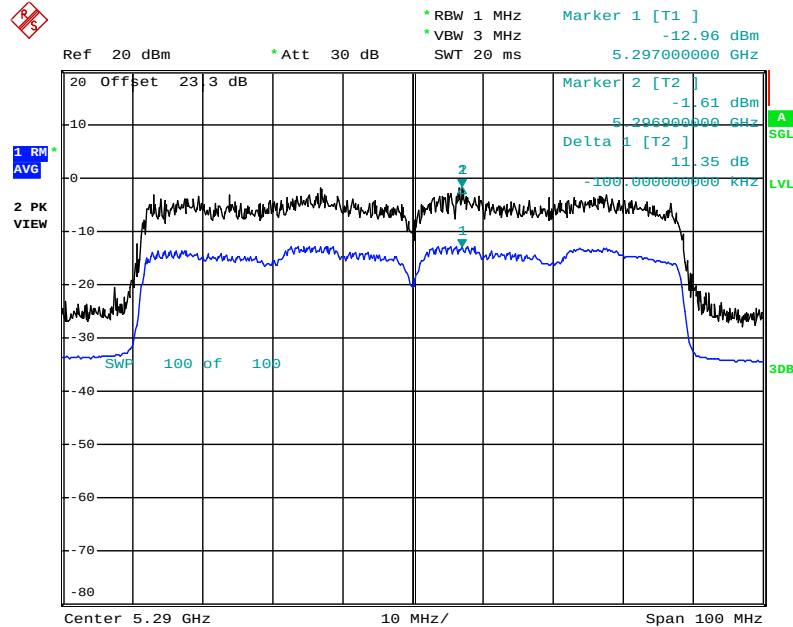
Date: 28.MAY.2013 01:09:57

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5670 MHz



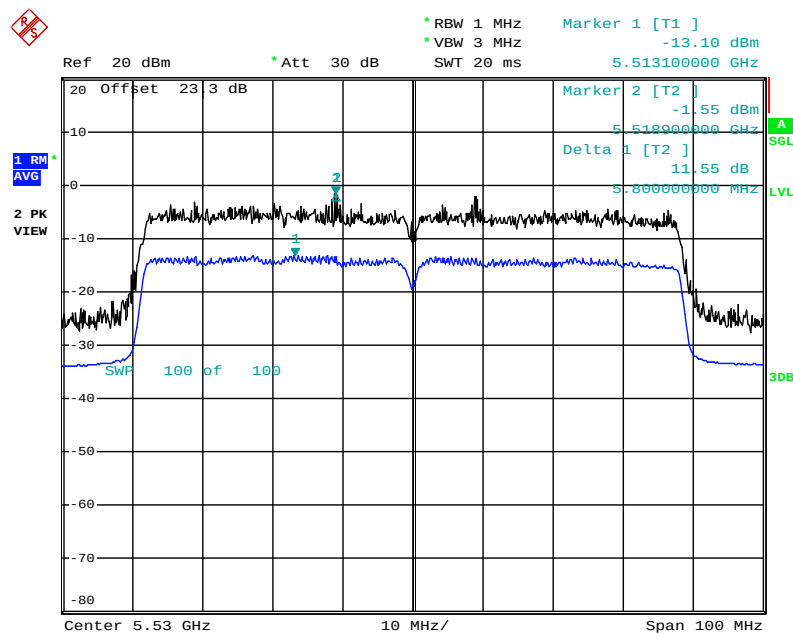
Date: 28.MAY.2013 00:58:00

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



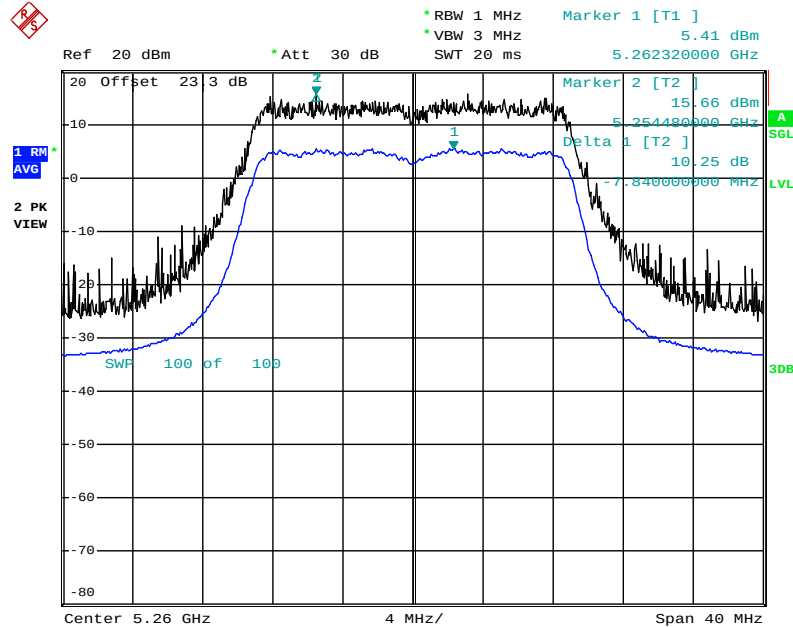
Date: 28.MAY.2013 01:17:13

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5530 MHz



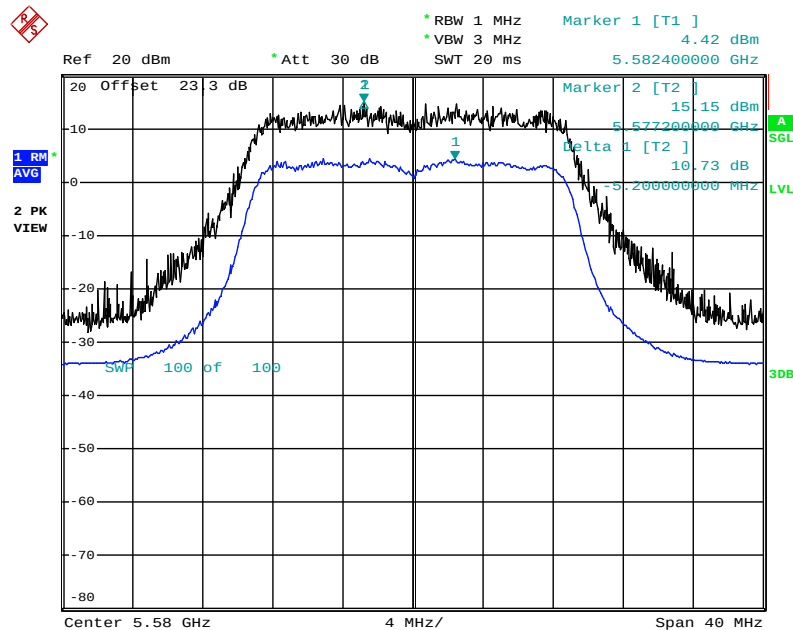
Date: 28.MAY.2013 01:41:24

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5260 MHz



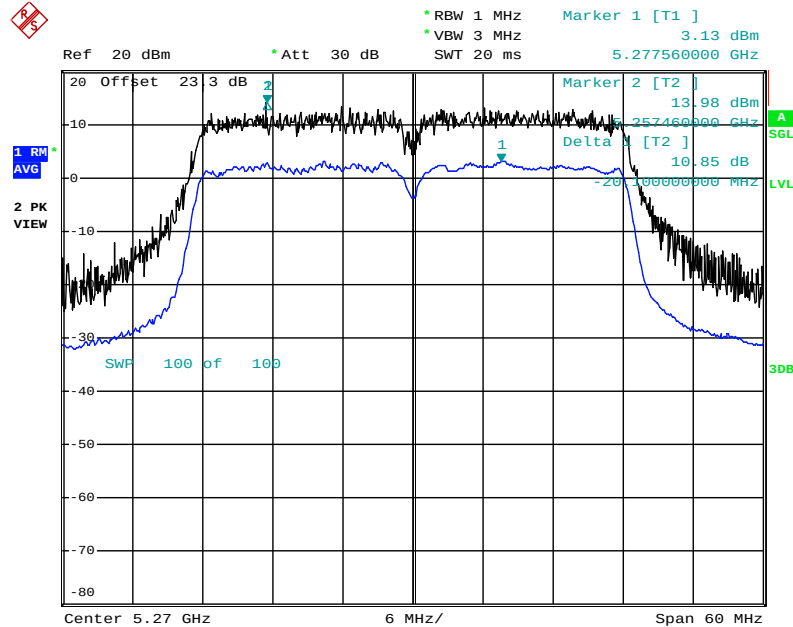
Date: 28.MAY.2013 08:16:39

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5580 MHz



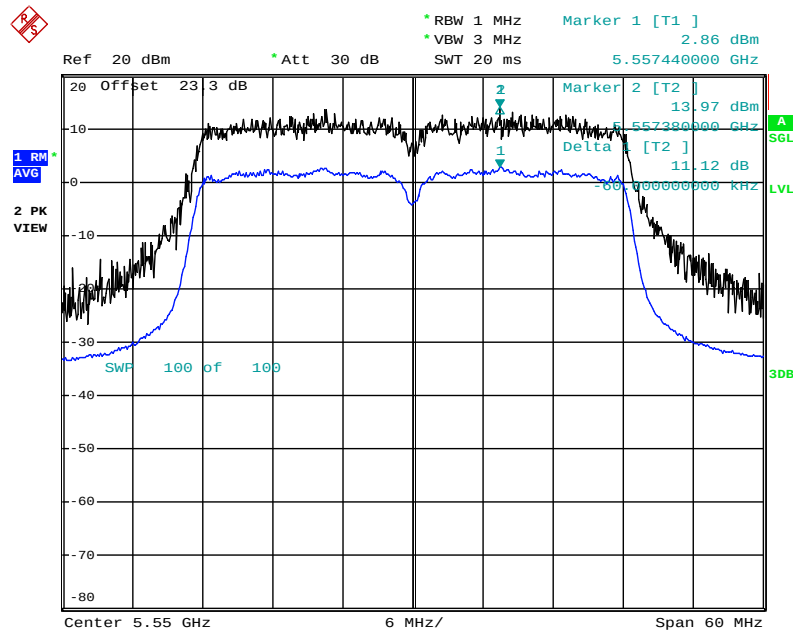
Date: 28.MAY.2013 08:22:40

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



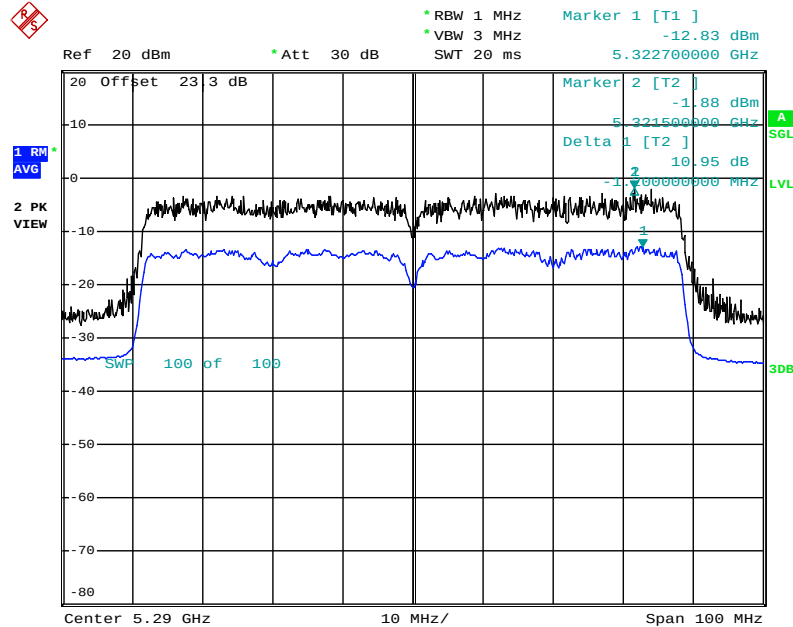
Date: 28.MAY.2013 11:00:06

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5550 MHz



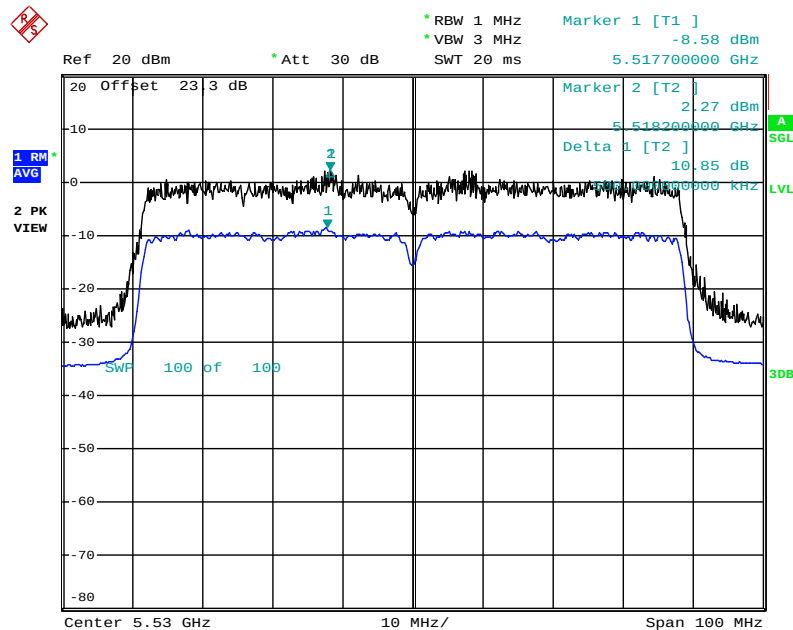
Date: 28.MAY.2013 08:41:30

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5290 MHz



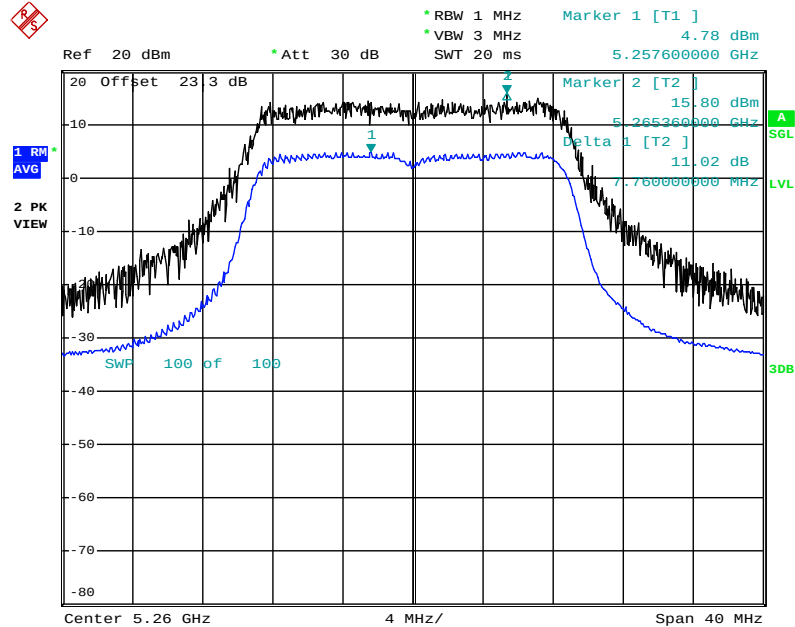
Date: 28.MAY.2013 11:35:54

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5530 MHz



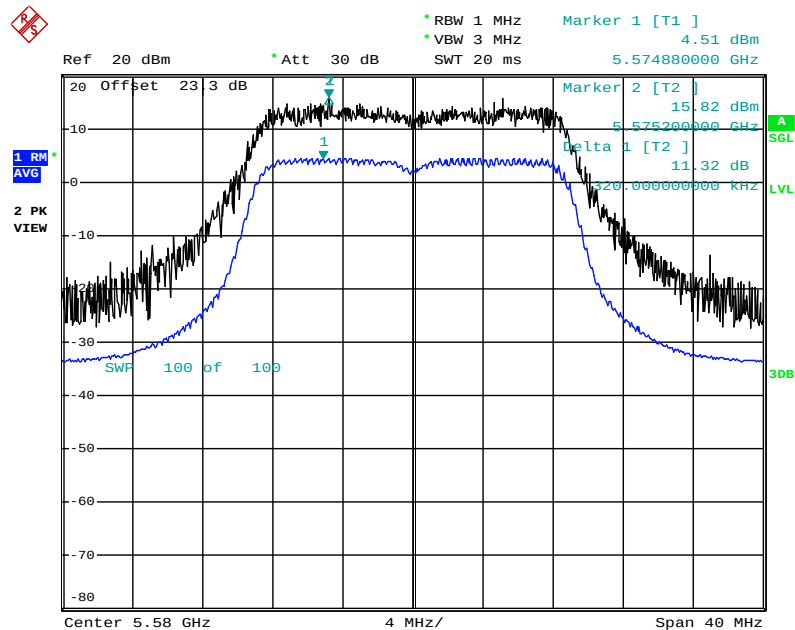
Date: 28.MAY.2013 11:14:31

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5260 MHz



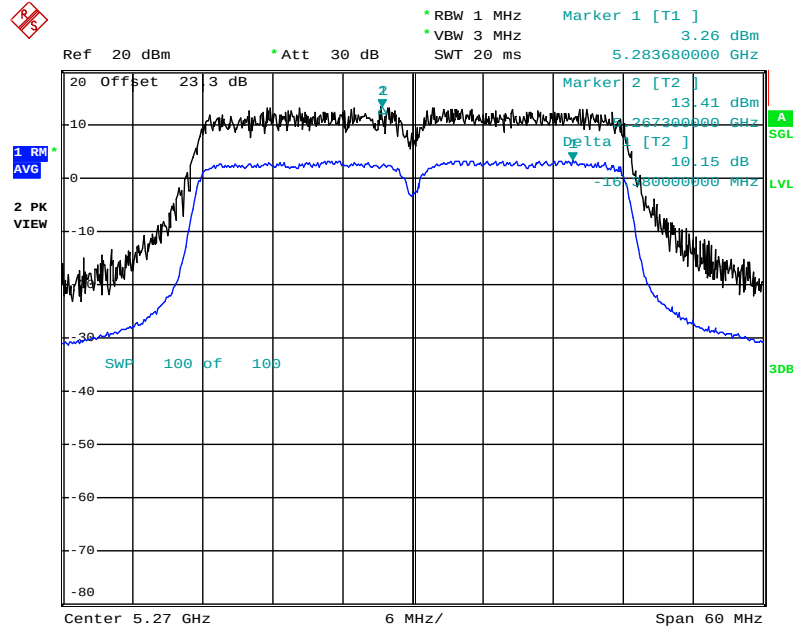
Date: 28.MAY.2013 12:48:15

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5580 MHz



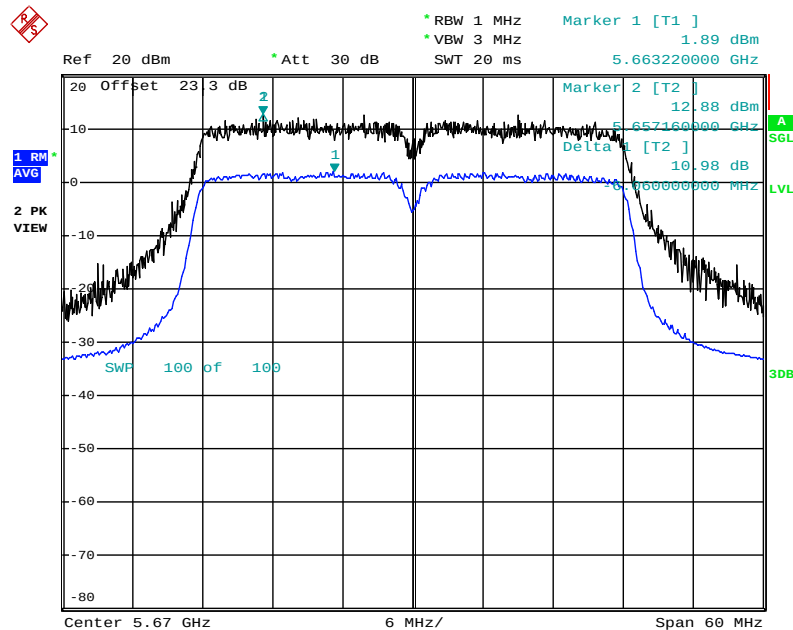
Date: 28.MAY.2013 12:55:09

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5270 MHz



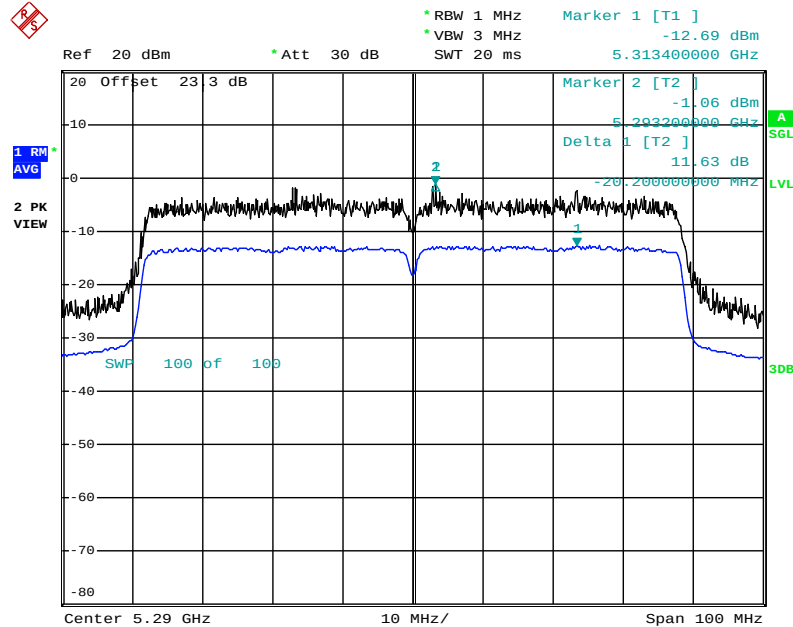
Date: 28.MAY.2013 13:13:57

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5670 MHz



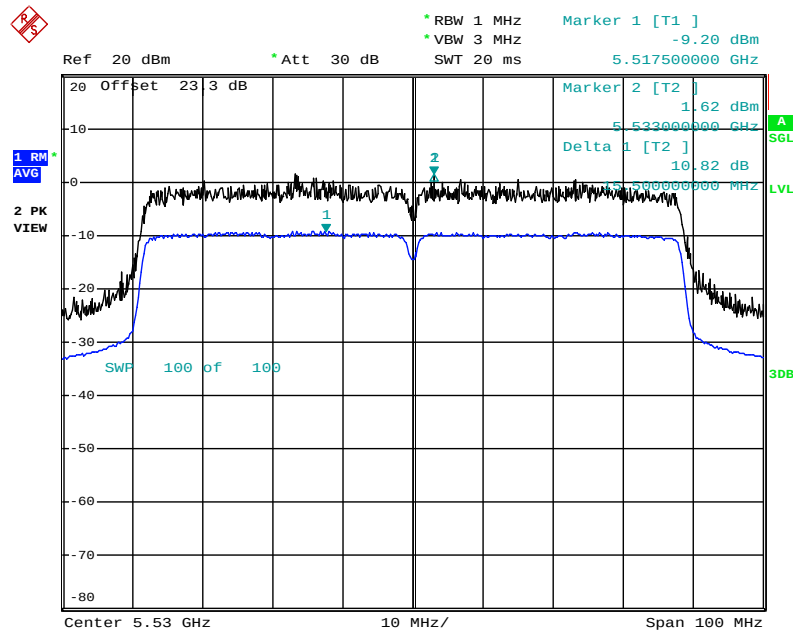
Date: 28.MAY.2013 13:02:31

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5290 MHz



Date: 28.MAY.2013 13:51:13

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5530 MHz



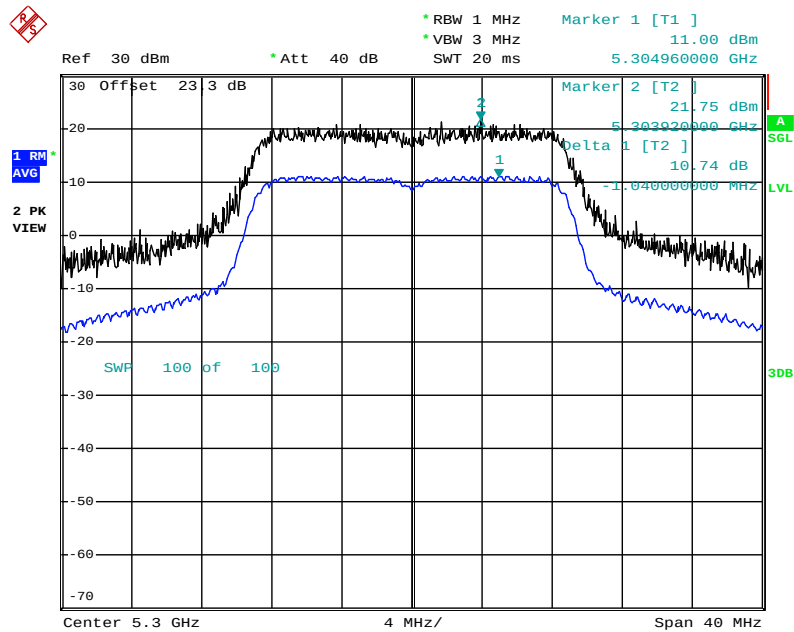
Date: 28.MAY.2013 14:17:42

Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

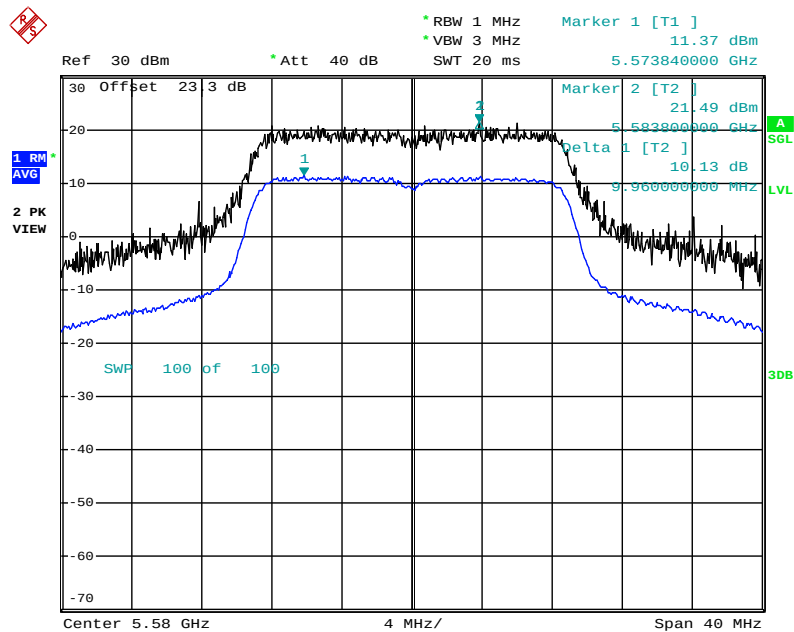
5300 MHz



Date: 24.MAY.2013 23:25:58

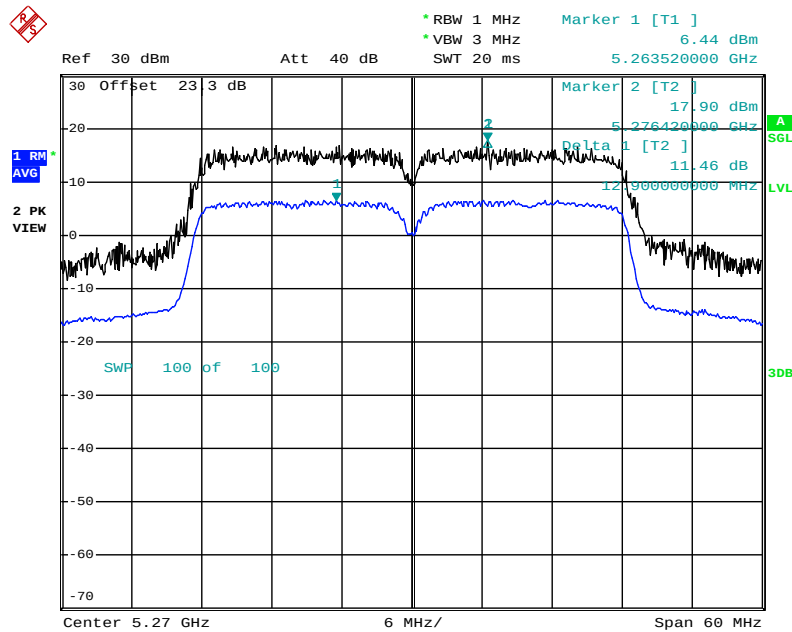
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

5580 MHz



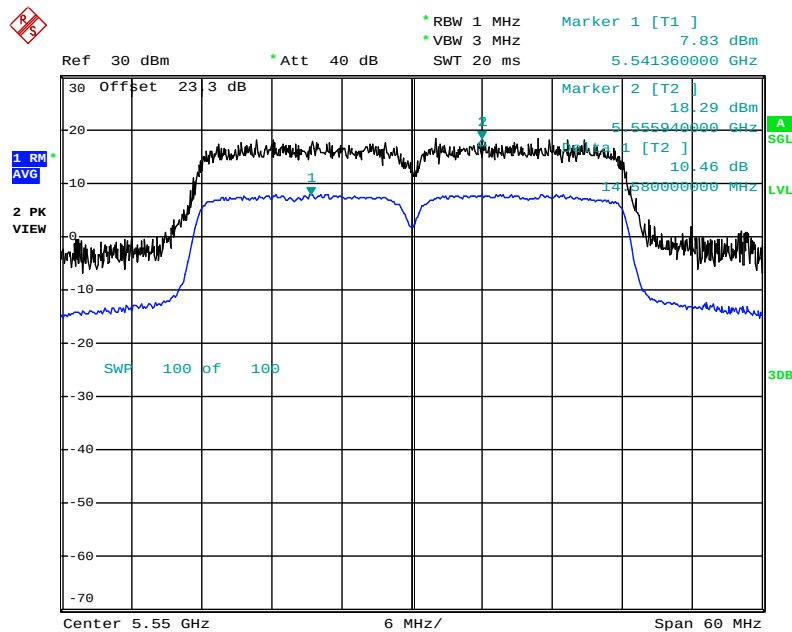
Date: 24.MAY.2013 23:35:03

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5270 MHz



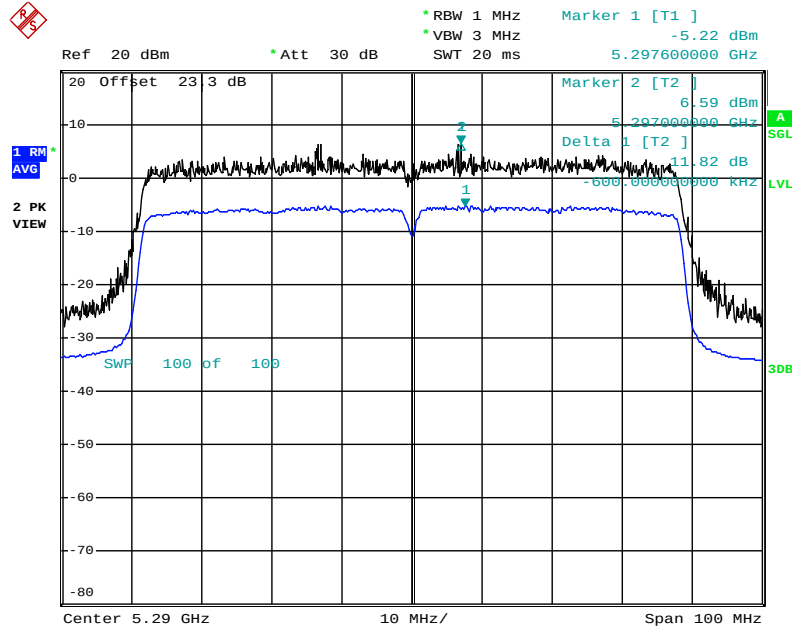
Date: 21.MAY.2013 12:38:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 4QAM(MCS5) / 5550 MHz



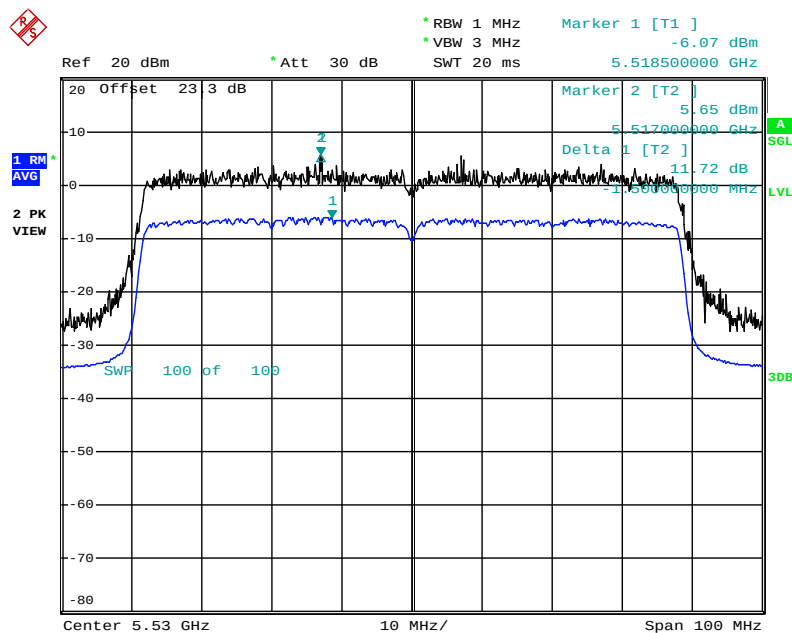
Date: 24.MAY.2013 23:46:42

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5290 MHz



Date: 25.MAY.2013 00:29:25

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5530 MHz

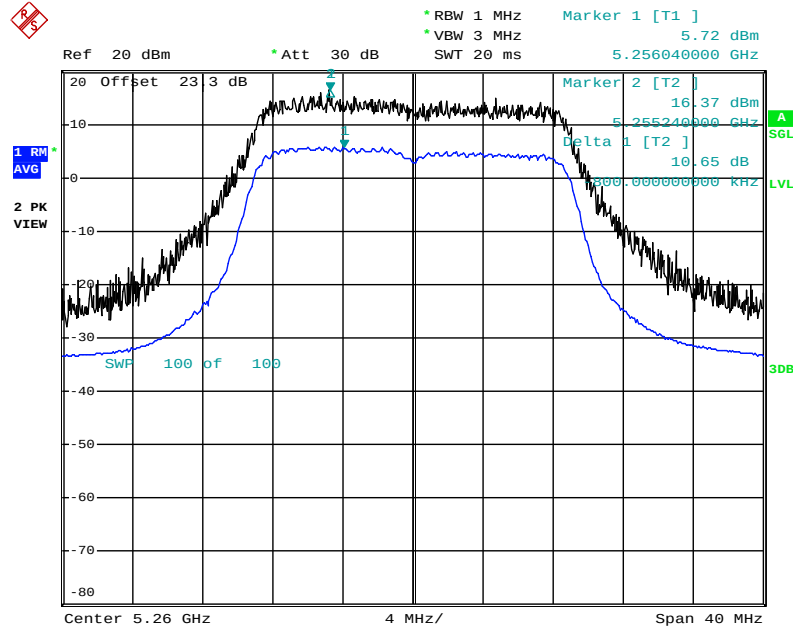


Date: 25.MAY.2013 00:33:27

2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

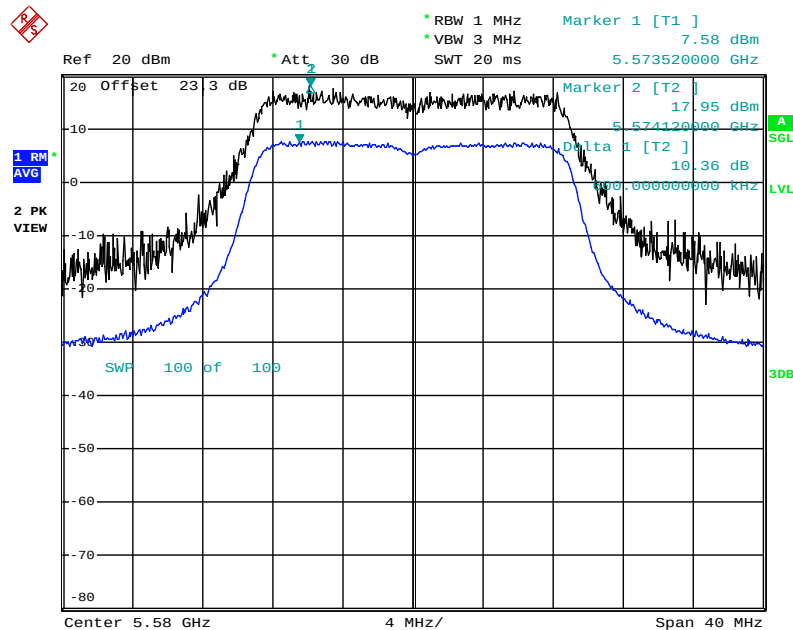
256QAM(MCS8) / 5260 MHz



Date: 25.MAY.2013 07:40:11

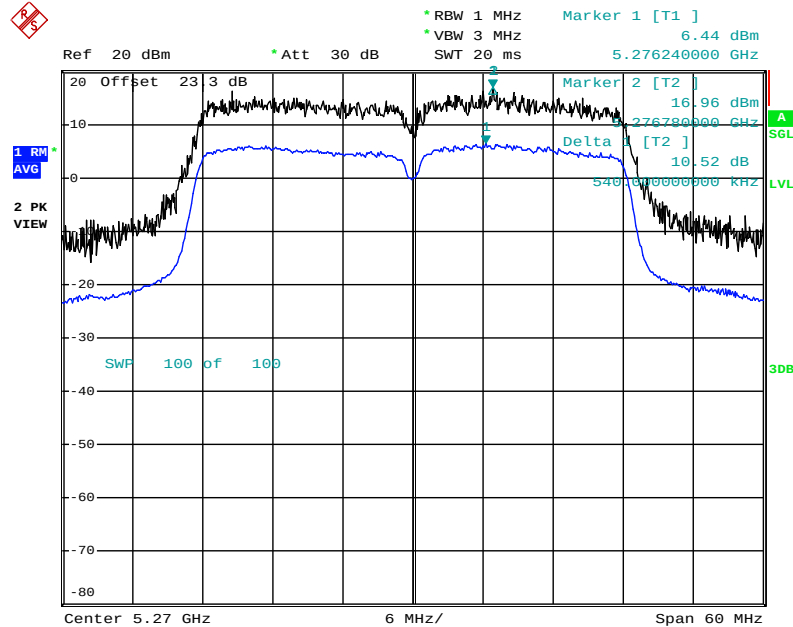
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

256QAM(MCS8) / 5580 MHz



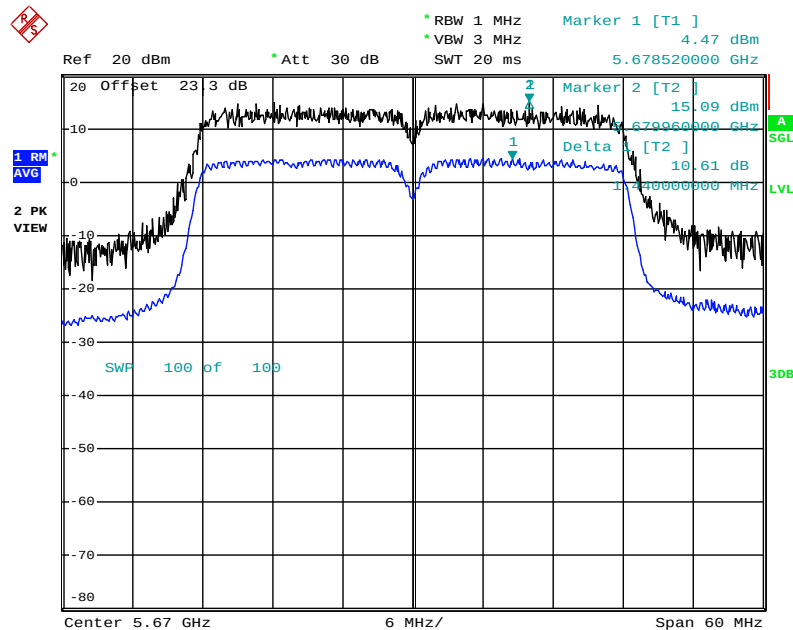
Date: 25.MAY.2013 07:56:02

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5270 MHz



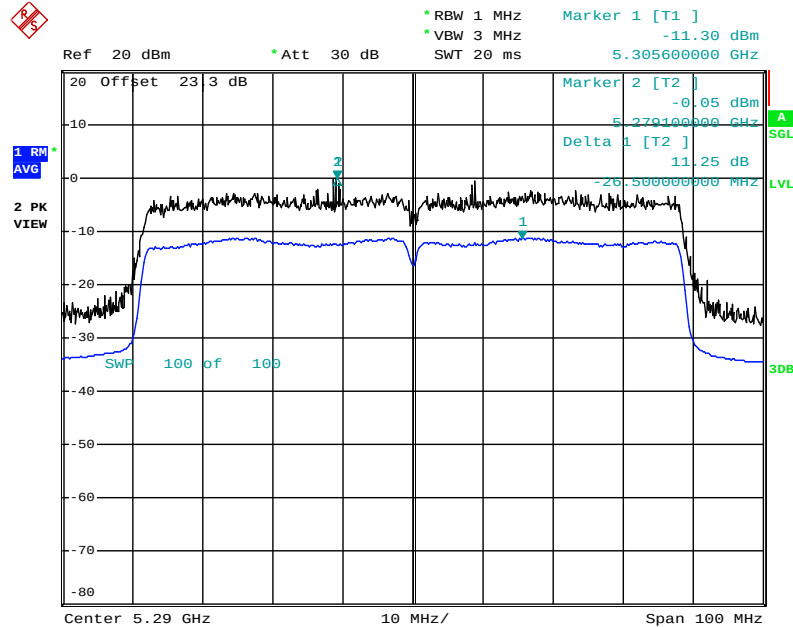
Date: 25.MAY.2013 09:47:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5670 MHz



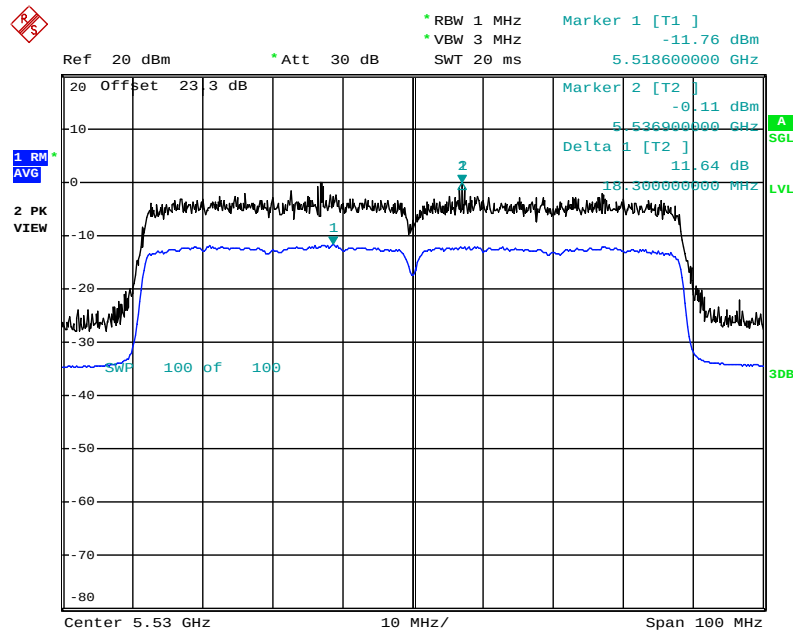
Date: 25.MAY.2013 09:19:12

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / QPSK(MCS1) / 5290 MHz



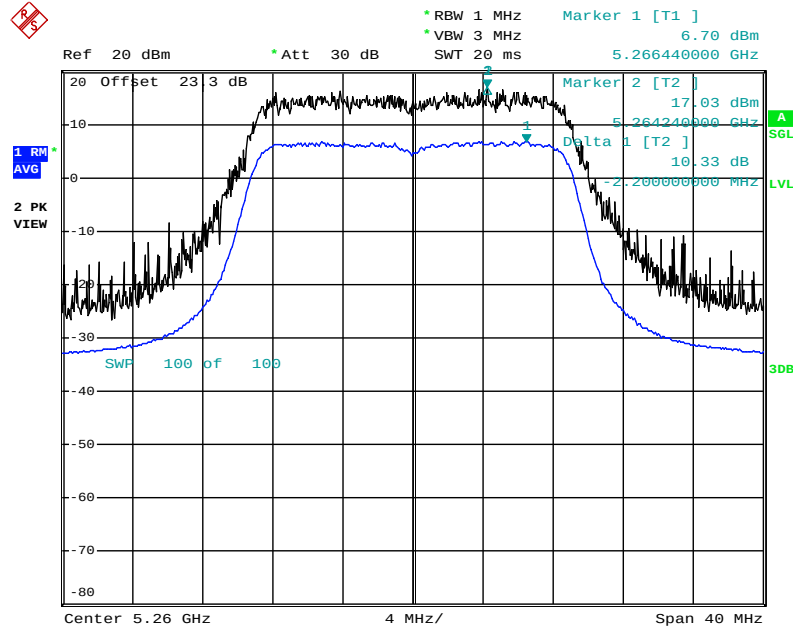
Date: 25.MAY.2013 10:10:11

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5530 MHz



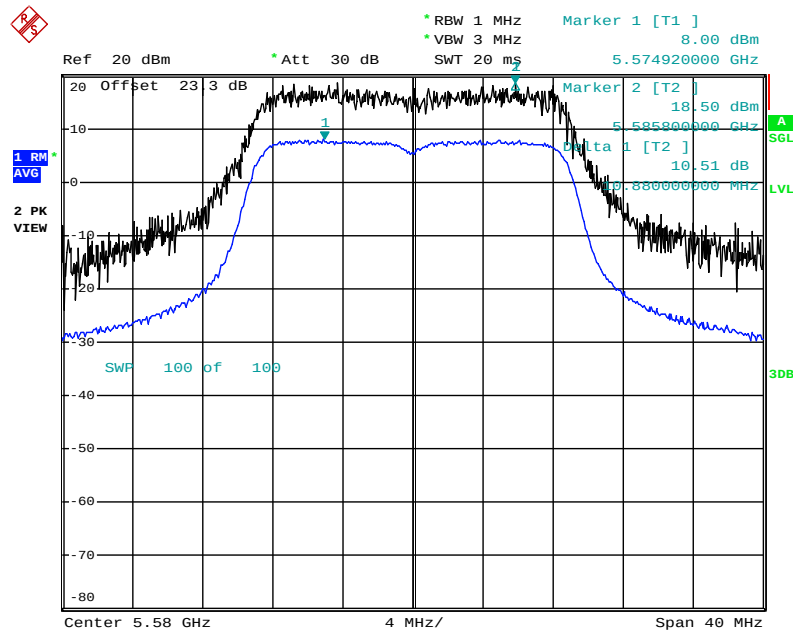
Date: 25.MAY.2013 10:05:57

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5260 MHz

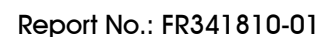


Date: 27.MAY.2013 07:52:40

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5580 MHz

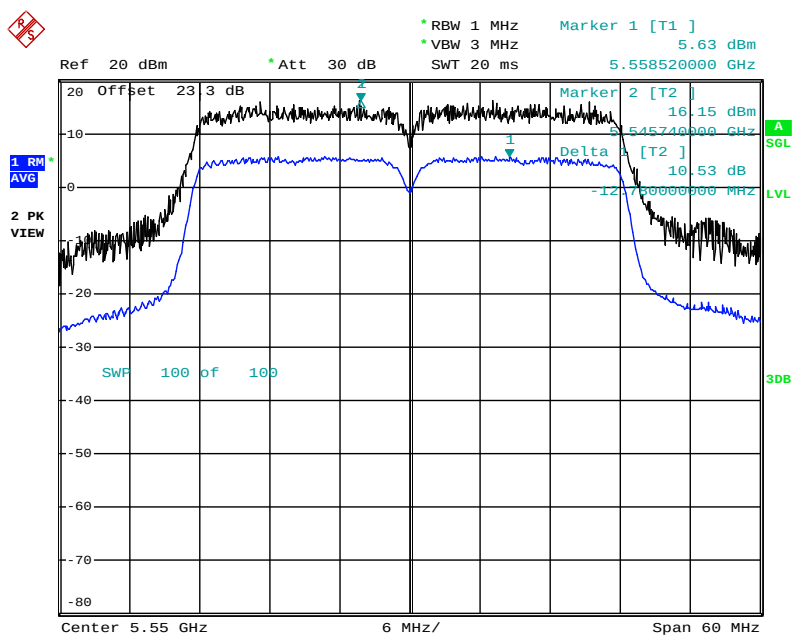


Date: 27.MAY.2013 08:11:56



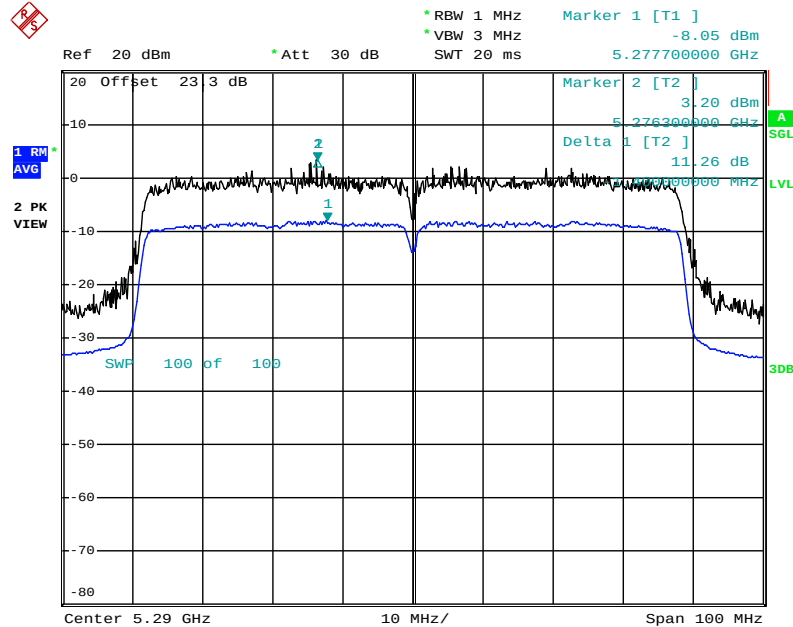
Ref 20 dBm
 Att 30 dB
 RBW 1 MHz
 VBW 3 MHz
 SWT 20 ms
 Marker 1 [T1]
 6.51 dBm
 5.278340000 GHz
 Marker 2 [T2]
 17.09 dBm
 5.277260000 GHz
 Delta [T2]
 10.58 dB
 -110.0000000 MHz
 1 RM
 AVG
 2 PK
 VIEW
 SWF 100 of 100
 Center 5.27 GHz
 6 MHz/
 Span 60 MHz
 3dB
 LVL
 SGL

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5550 MHz



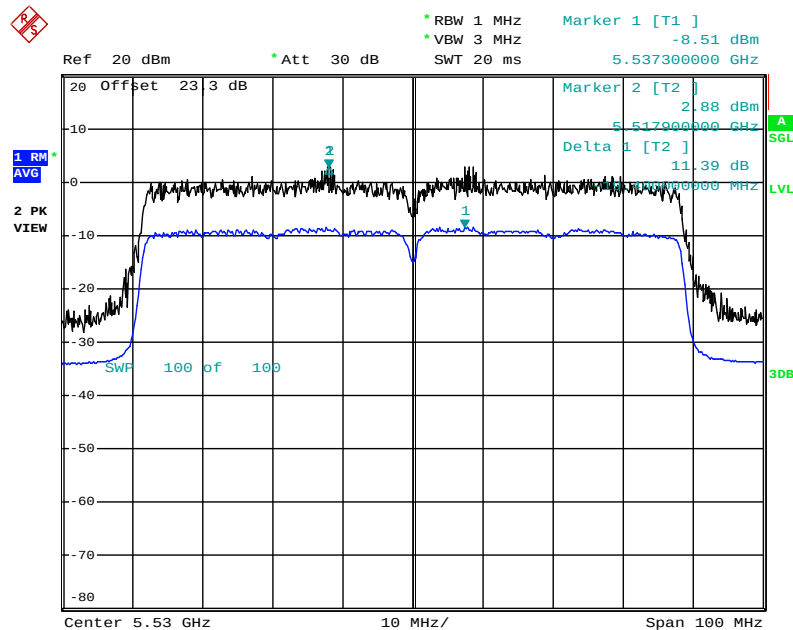
Date: 27.MAY.2013 08:19:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / QPSK(MCS1) / 5290 MHz



Date: 27.MAY.2013 09:04:26

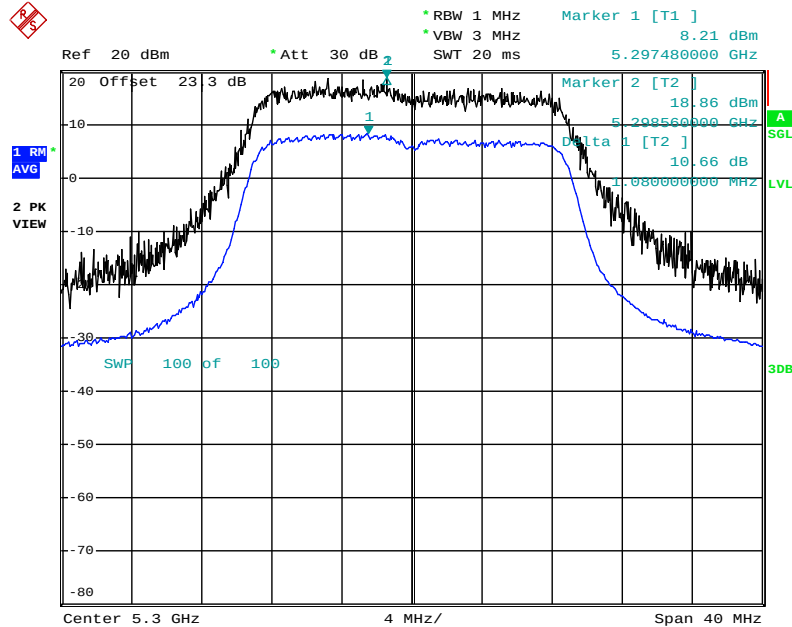
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5530 MHz



Date: 27.MAY.2013 09:24:23

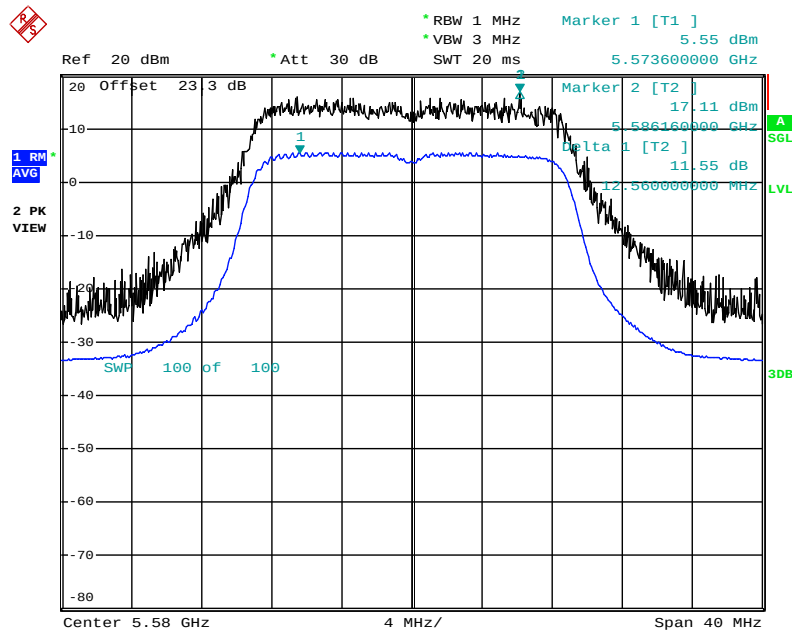
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /
64QAM(MCS5) / 5300 MHz



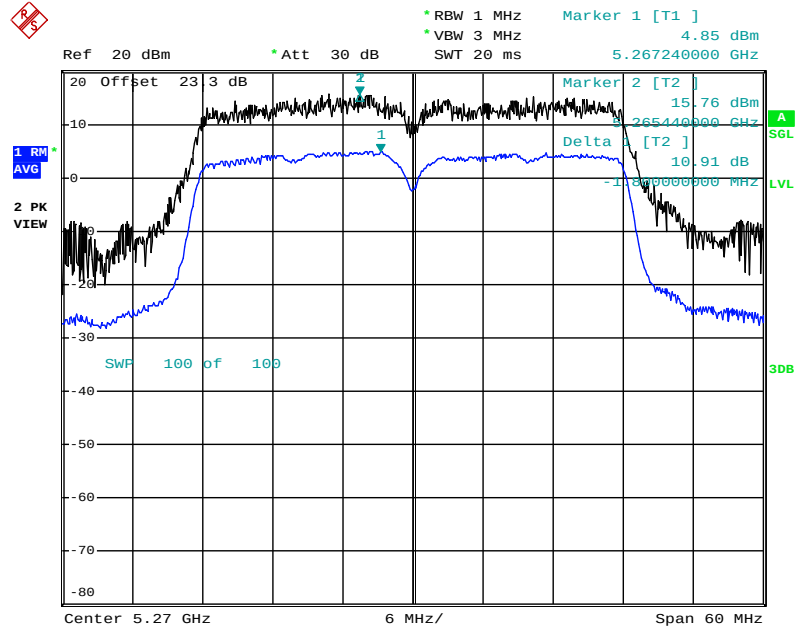
Date: 28.MAY.2013 00:29:13

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /
256QAM(MCS8) / 5580 MHz



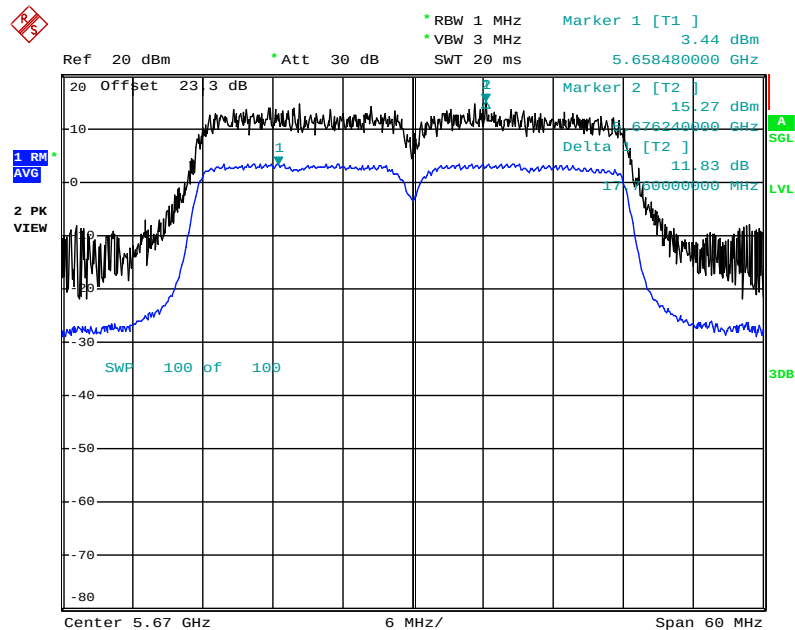
Date: 28.MAY.2013 00:42:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



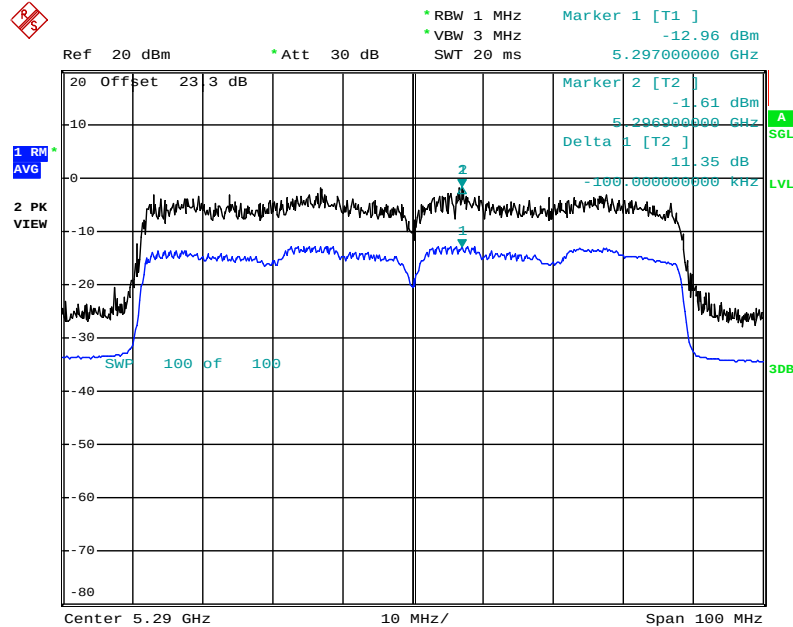
Date: 28.MAY.2013 01:07:59

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5670 MHz



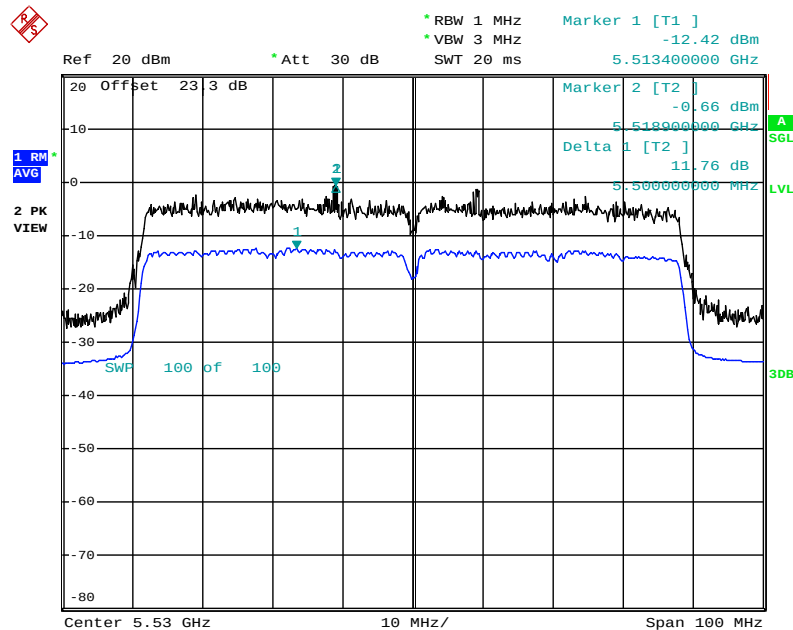
Date: 28.MAY.2013 00:59:42

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



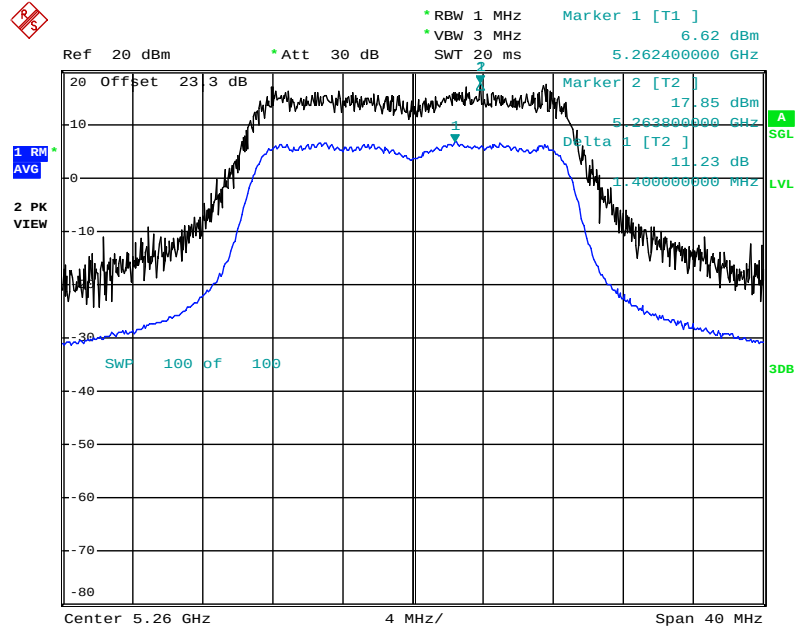
Date: 28.MAY.2013 01:17:13

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5530 MHz



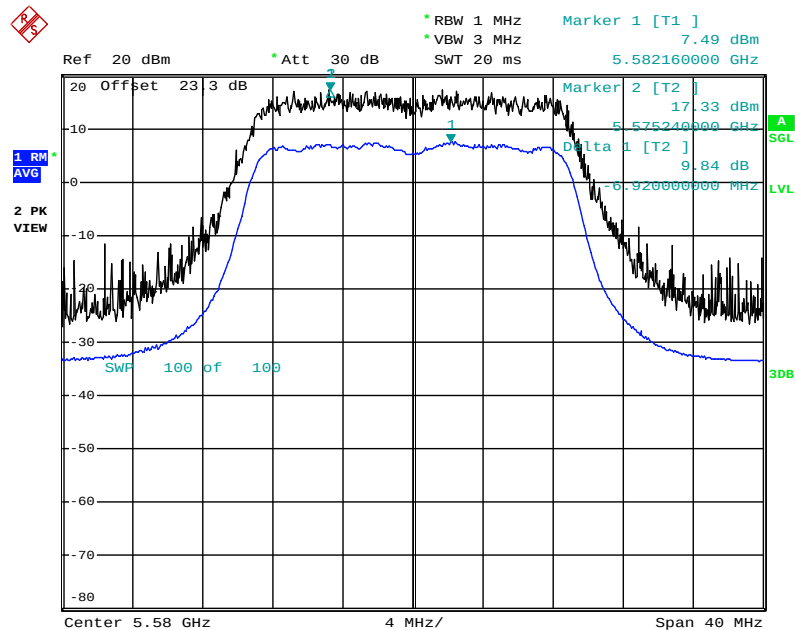
Date: 28.MAY.2013 01:34:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5260 MHz



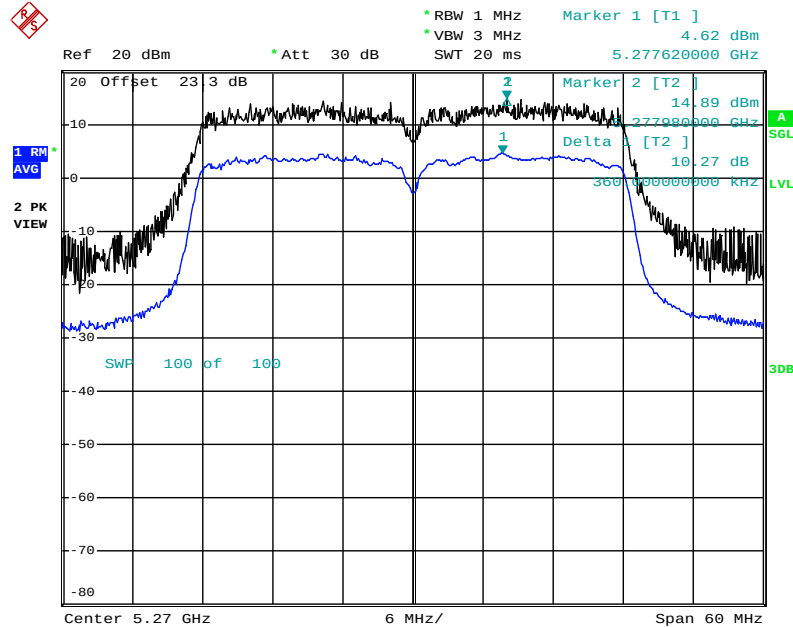
Date: 28.MAY.2013 08:14:32

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5580 MHz



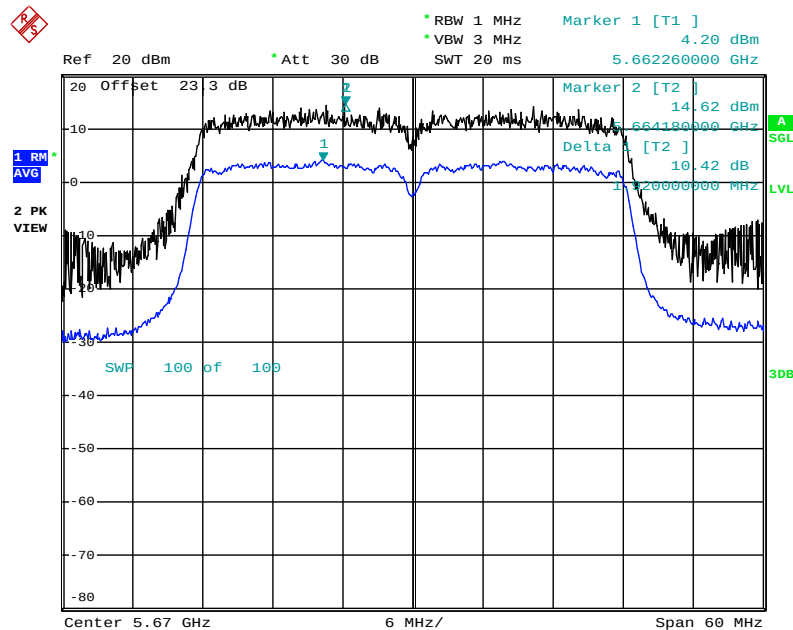
Date: 28.MAY.2013 08:26:50

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5270 MHz



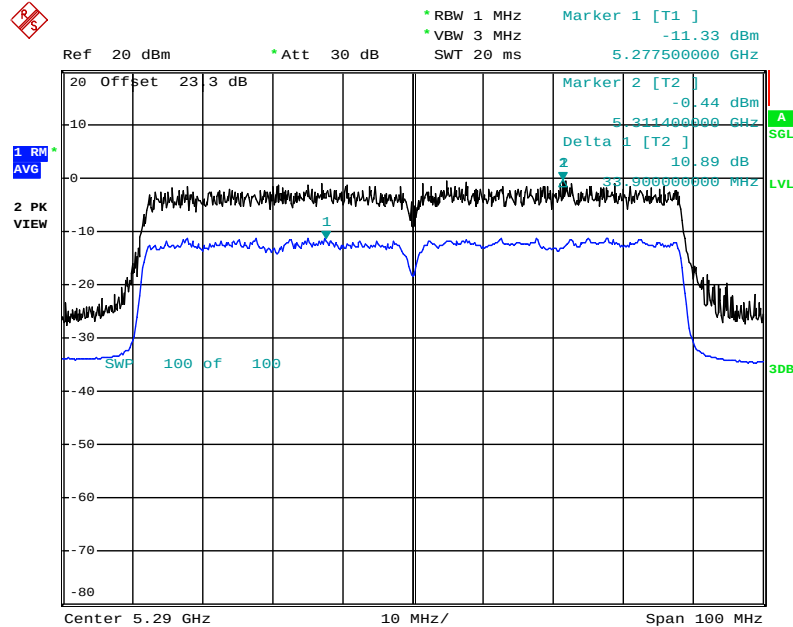
Date: 28.MAY.2013 11:02:33

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5670 MHz



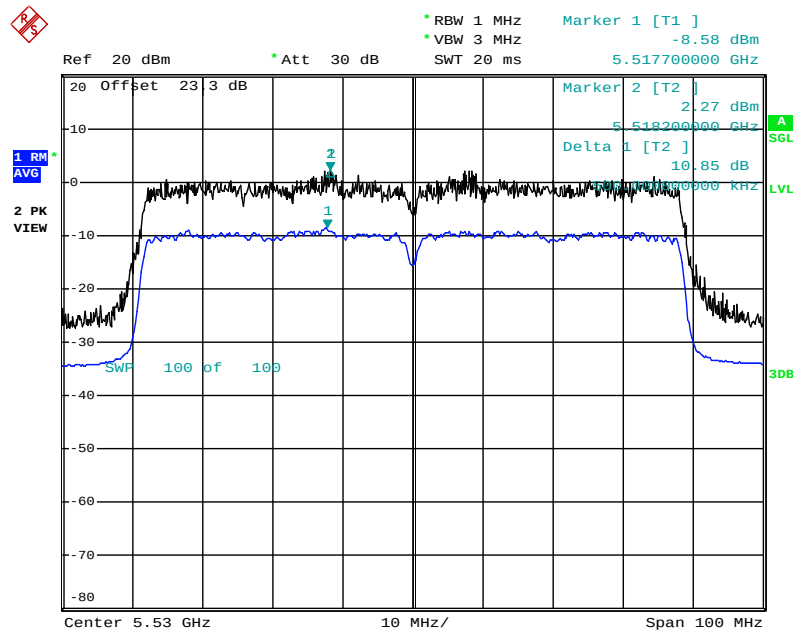
Date: 28.MAY.2013 08:39:17

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5290 MHz



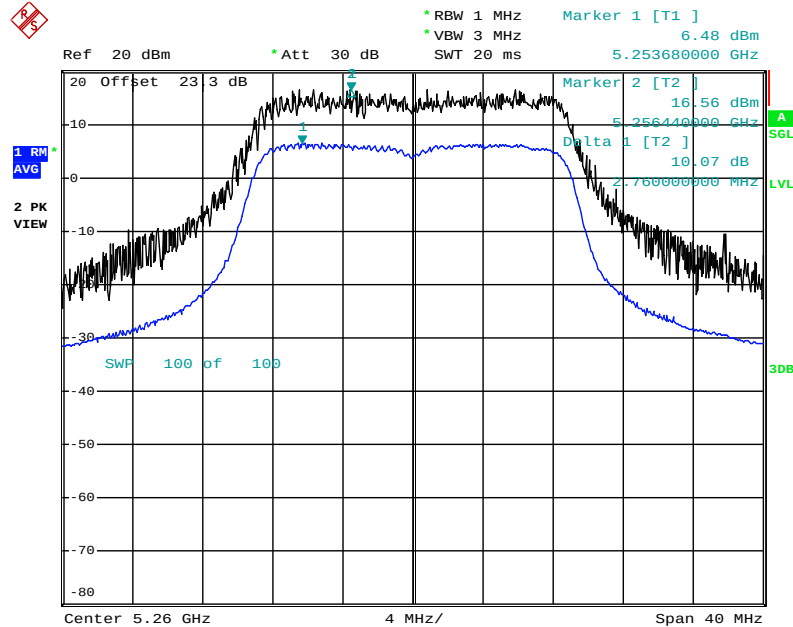
Date: 28.MAY.2013 11:18:39

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5530 MHz



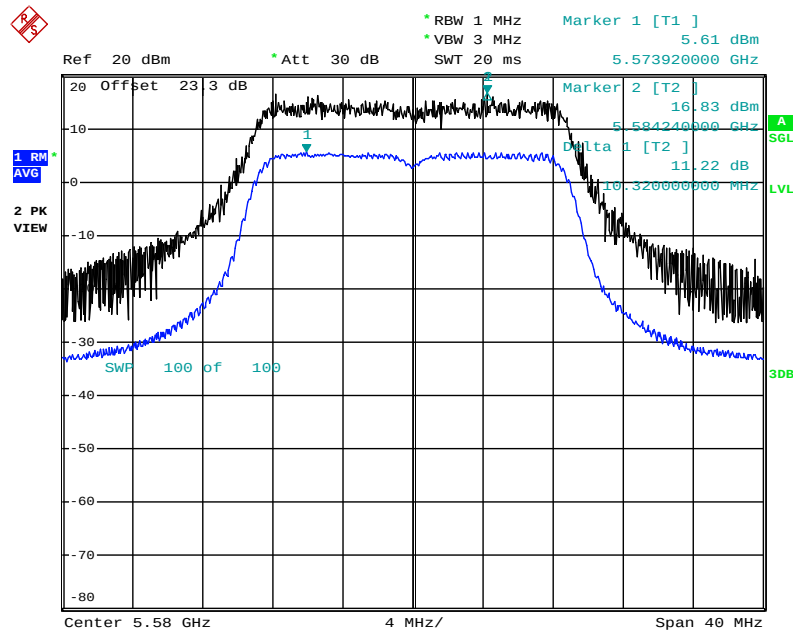
Date: 28.MAY.2013 11:14:31

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5260 MHz



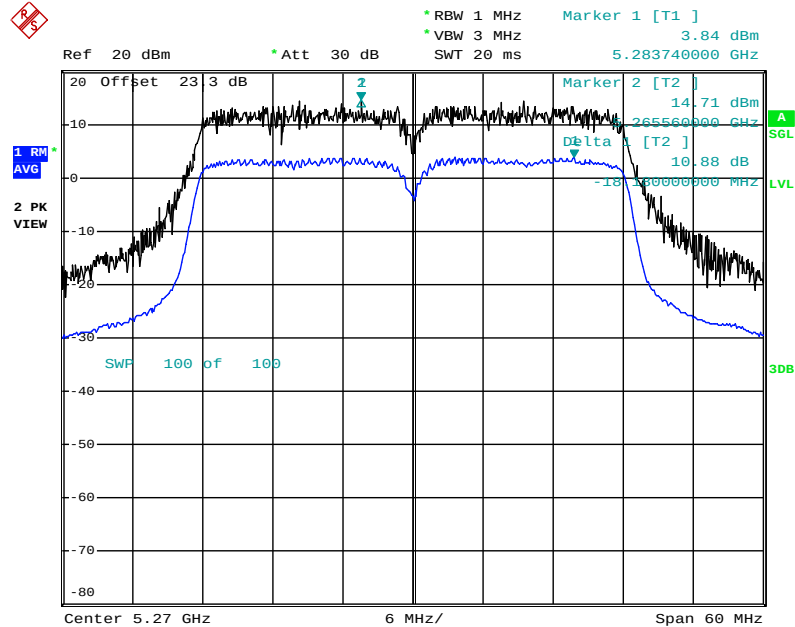
Date: 28.MAY.2013 12:49:53

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5580 MHz



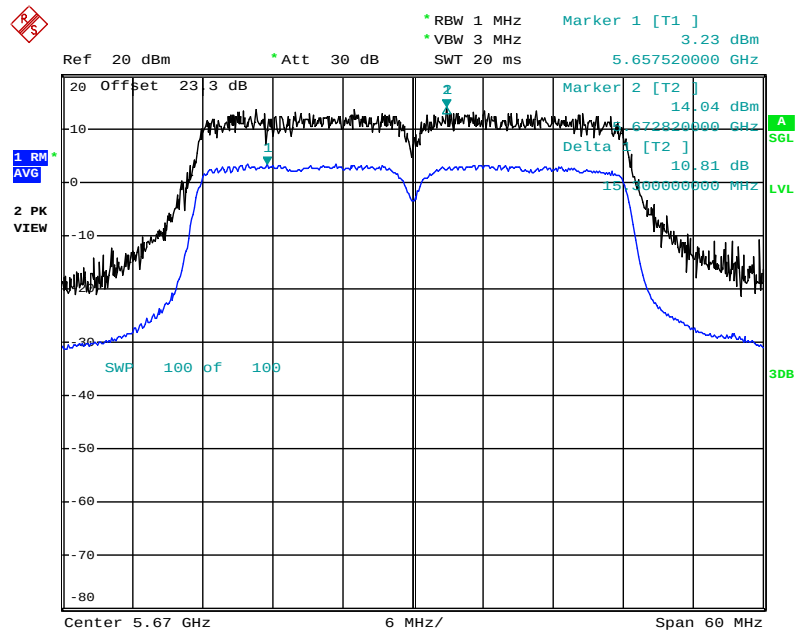
Date: 28.MAY.2013 12:54:25

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



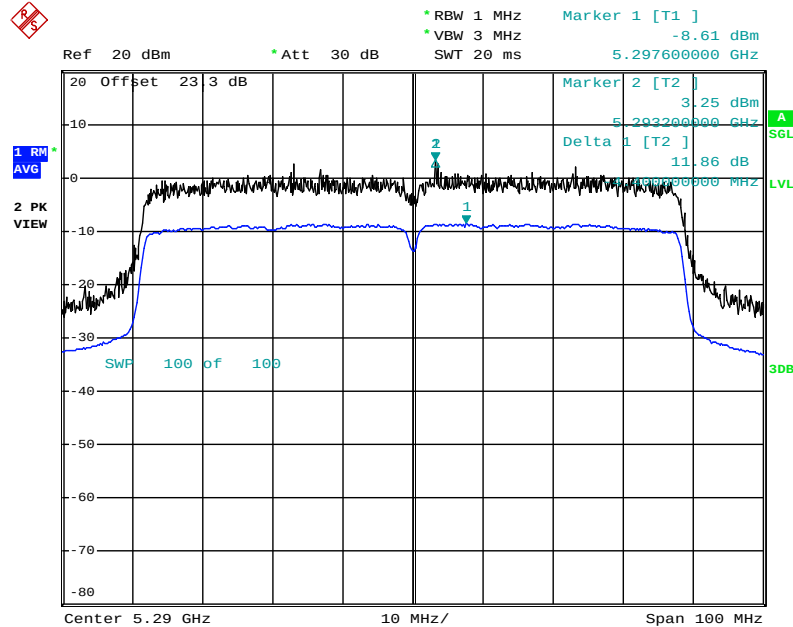
Date: 28.MAY.2013 13:08:36

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5670 MHz



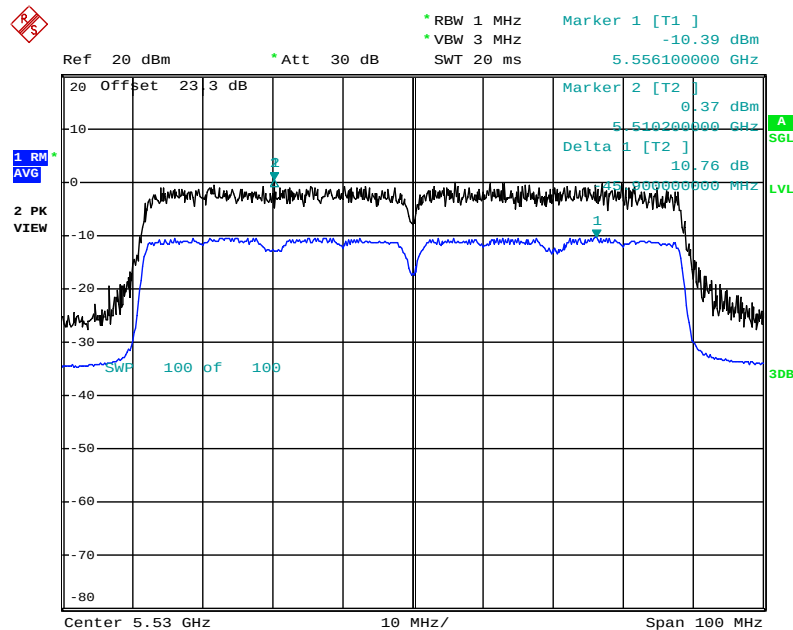
Date: 28.MAY.2013 13:06:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5290 MHz



Date: 28.MAY.2013 13:51:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5530 MHz



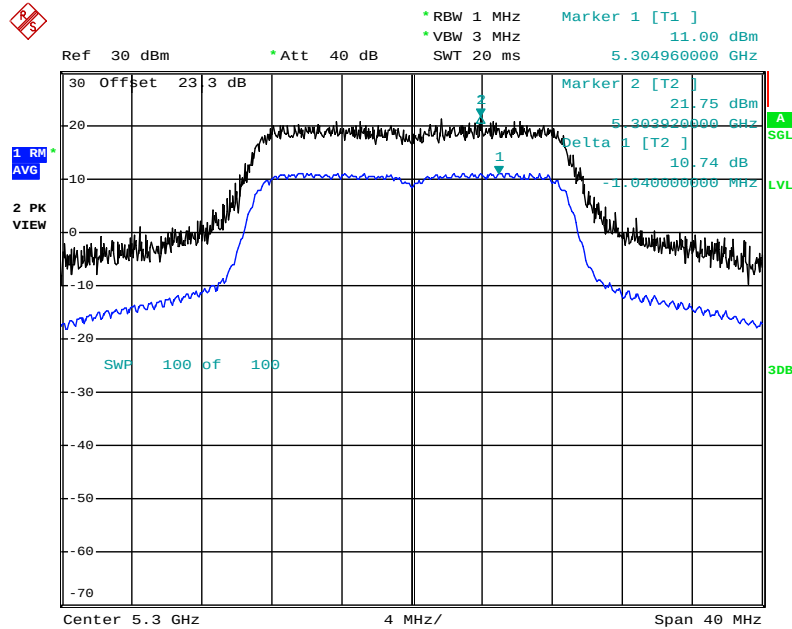
Date: 28.MAY.2013 14:15:18

Mode 5 (Ant.6 Facade antenna / 2.5dBi)

1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

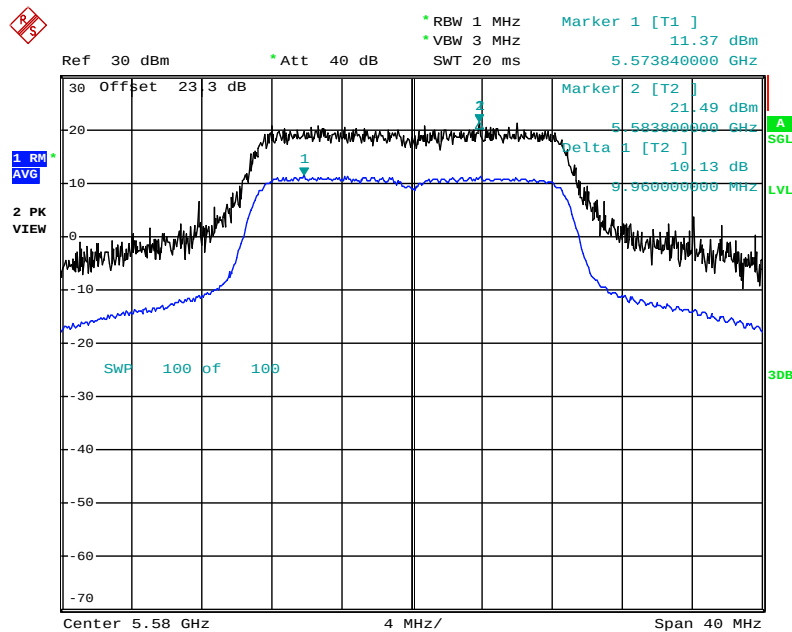
5300 MHz



Date: 24.MAY.2013 23:25:58

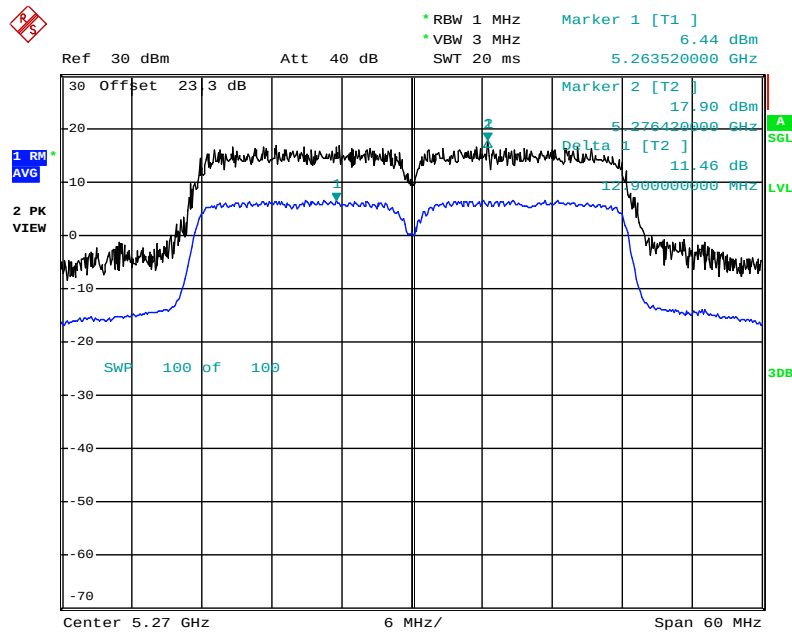
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

5580 MHz



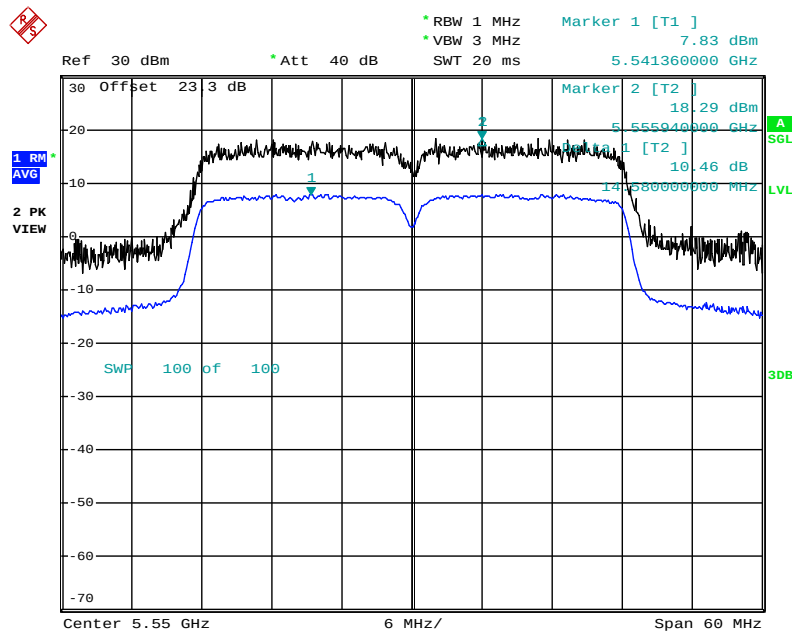
Date: 24.MAY.2013 23:35:03

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5270 MHz



Date: 21.MAY.2013 12:38:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 64QAM(MCS5) / 5550 MHz



Date: 24.MAY.2013 23:46:42



Ref 20 dBm * Att 30 dB * RBW 1 MHz Marker 1 [T1] -1.78 dBm
 * VBW 3 MHz 5.297300000 GHz
 SWT 20 ms

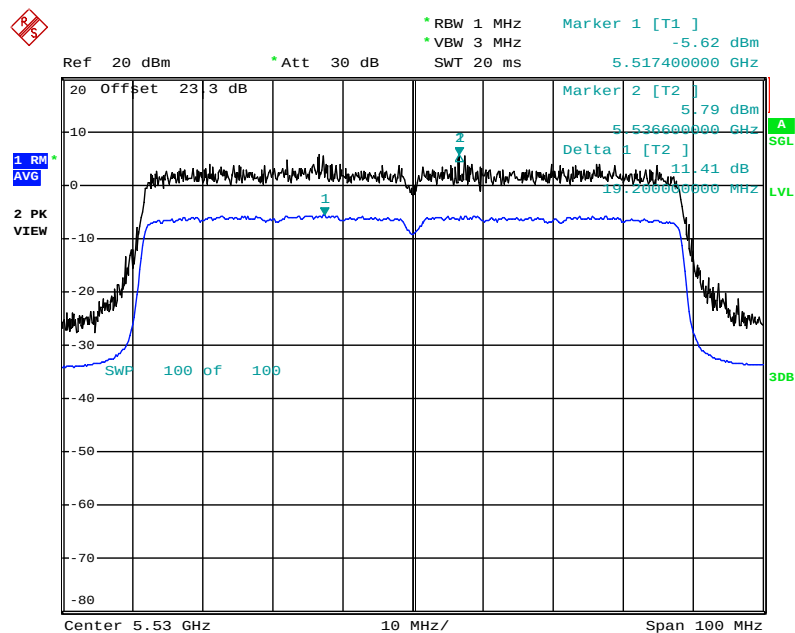
20 Offset 23 3 dB
 Marker 2 [T2] 10.05 dBm
 5.296900000 GHz
 Marker 3 [T2] 1.83 dB
 -400.000000000 kHz

1 RM
 AVG
 2 PK
 VIEW

SWF 100 of 100

Center 5.29 GHz 10 MHz / Span 100 MHz

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5530 MHz

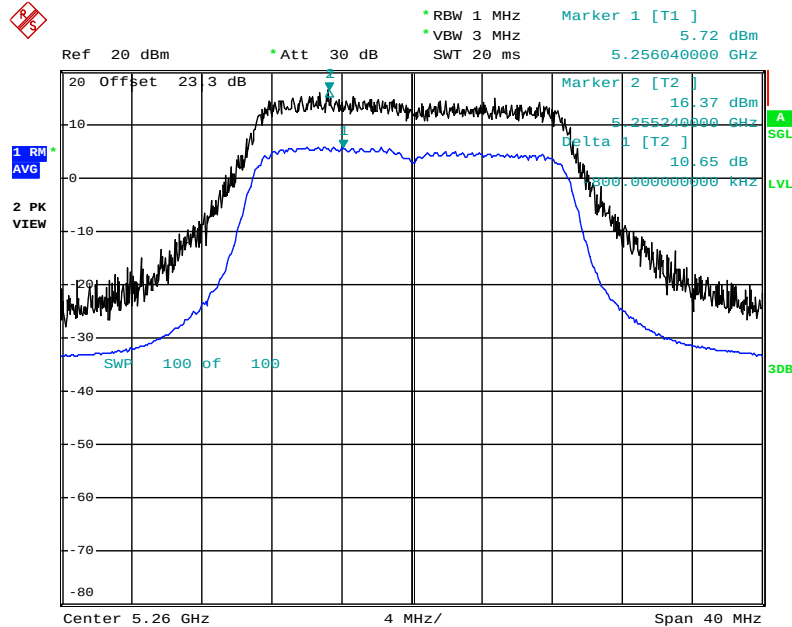


Date: 25.MAY.2013 00:37:14

2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

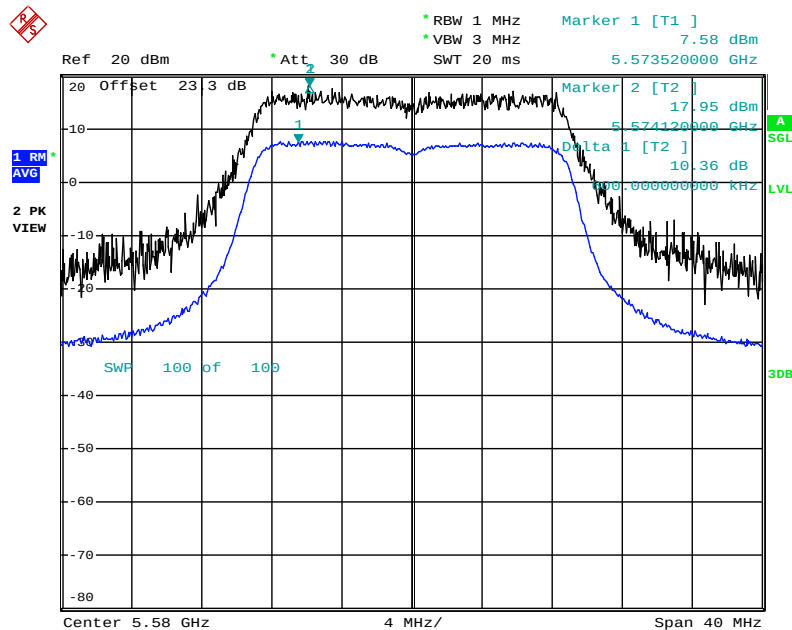
256QAM(MCS8) / 5260 MHz



Date: 25.MAY.2013 07:40:11

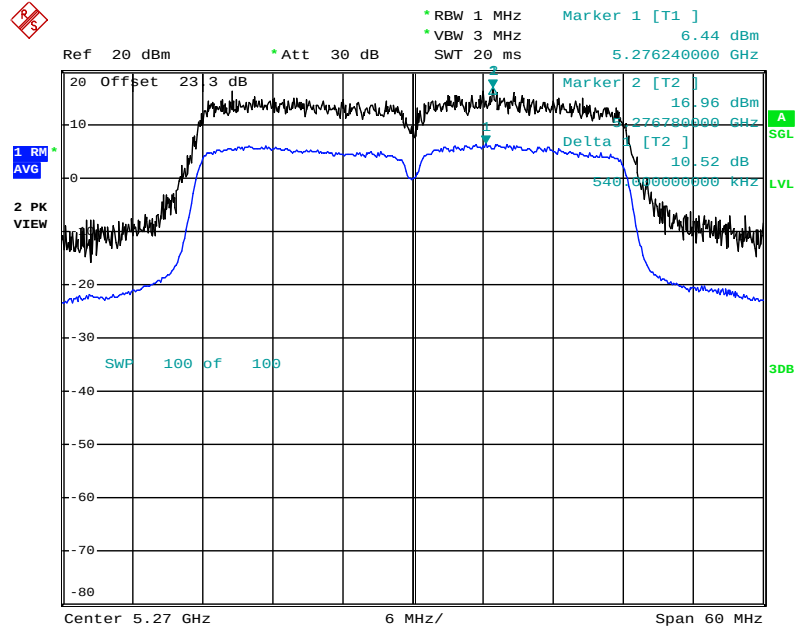
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

256QAM(MCS8) / 5580 MHz



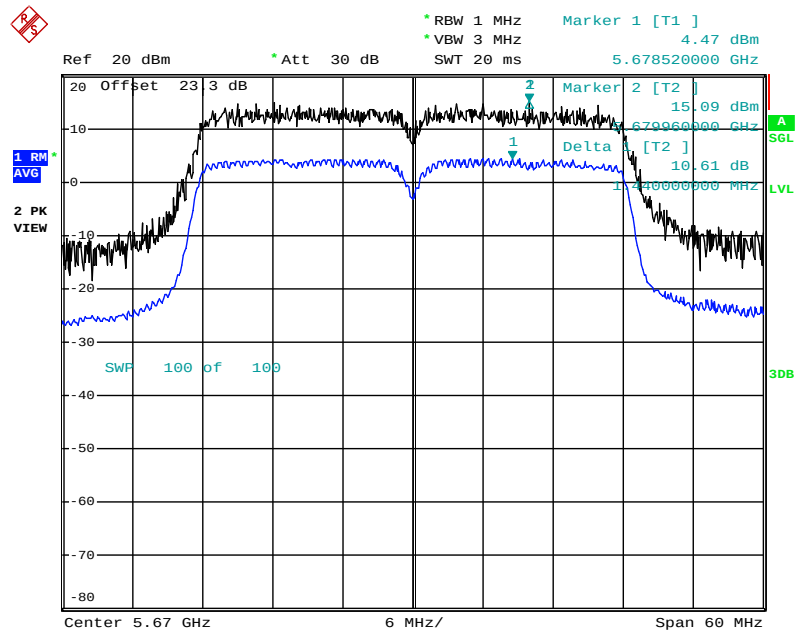
Date: 25.MAY.2013 07:56:02

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5270 MHz



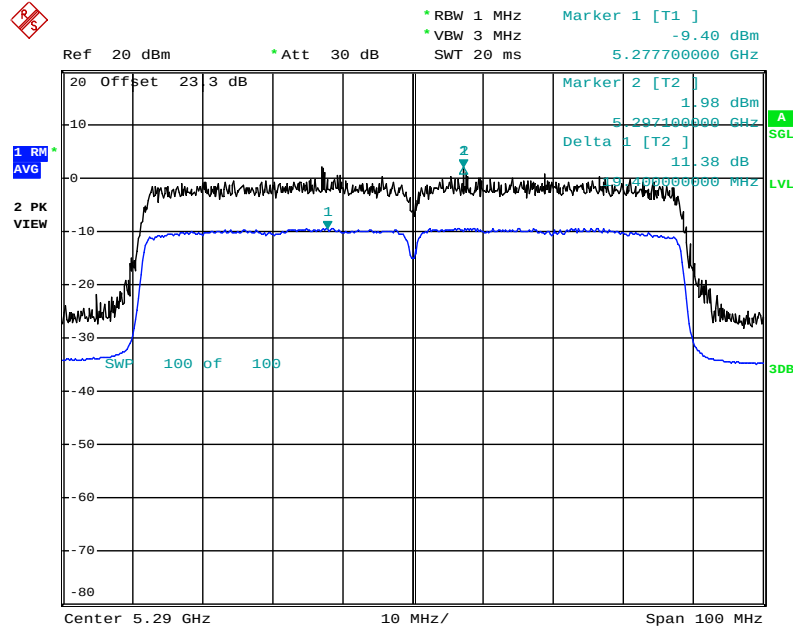
Date: 25.MAY.2013 09:47:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5670 MHz



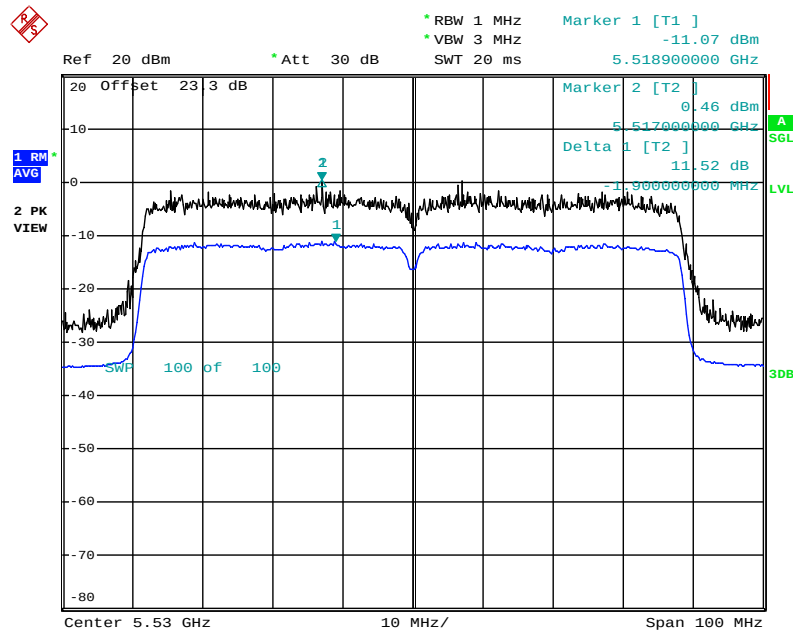
Date: 25.MAY.2013 09:19:12

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



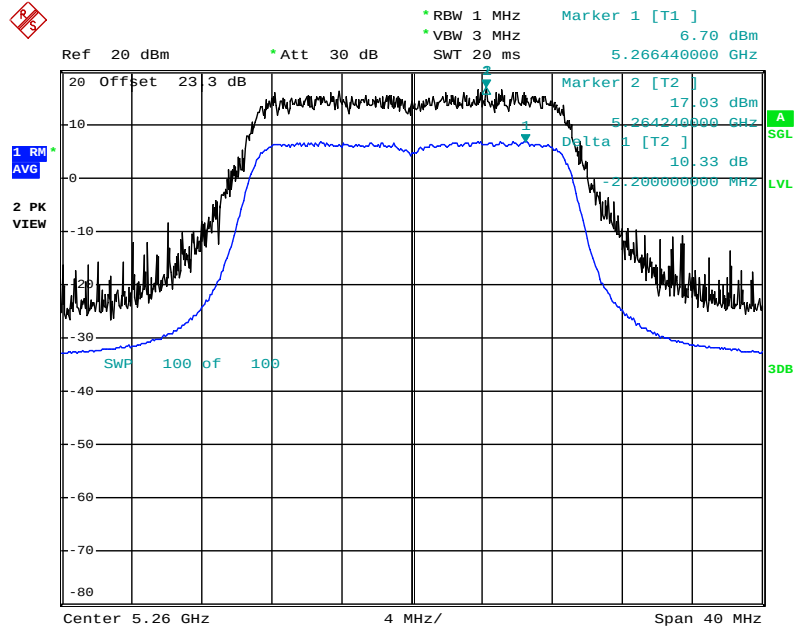
Date: 25.MAY.2013 09:59:06

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5530 MHz



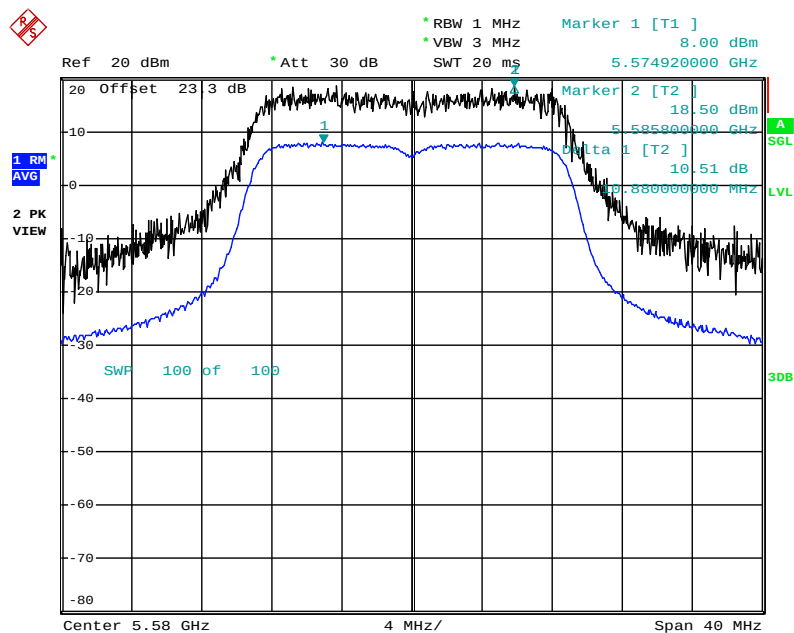
Date: 25.MAY.2013 10:02:46

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5260 MHz



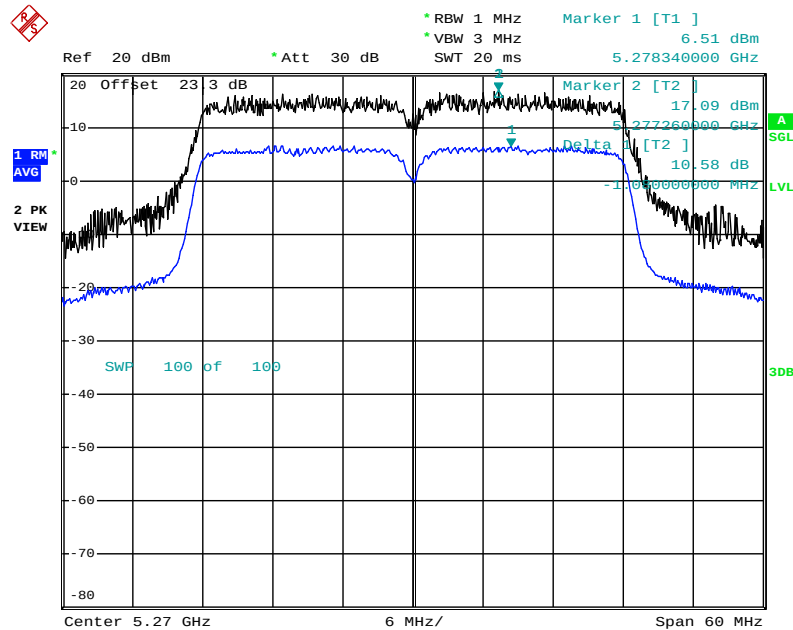
Date: 27.MAY.2013 07:52:40

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5580 MHz



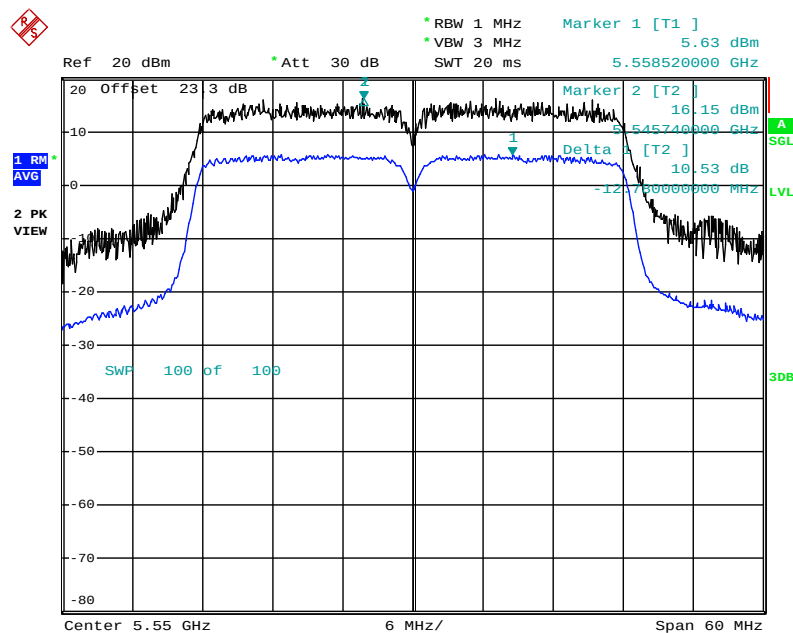
Date: 27.MAY.2013 08:11:56

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5270 MHz



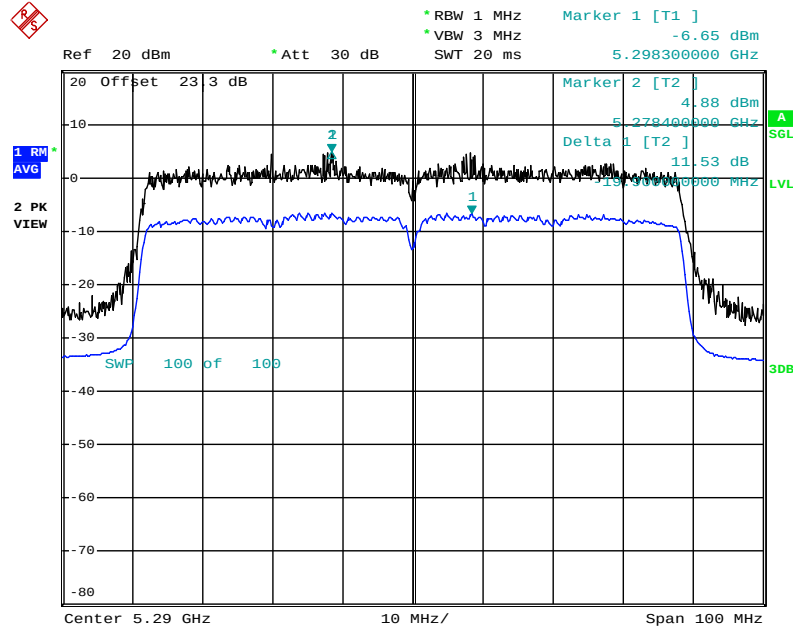
Date: 27.MAY.2013 08:54:28

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5550 MHz



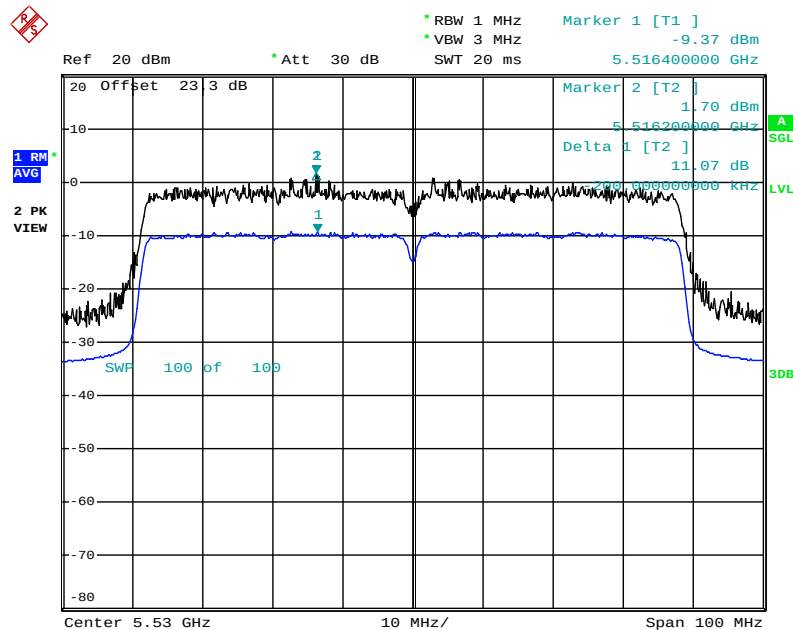
Date: 27.MAY.2013 08:19:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5290 MHz



Date: 27.MAY.2013 09:02:40

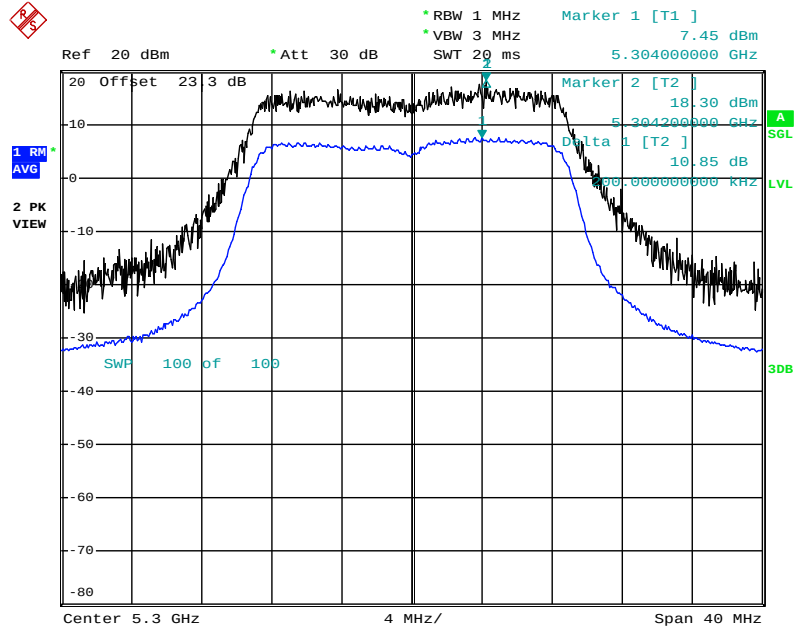
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
QPSK(MCS1) / 5530 MHz



Date: 27.MAY.2013 09:22:10

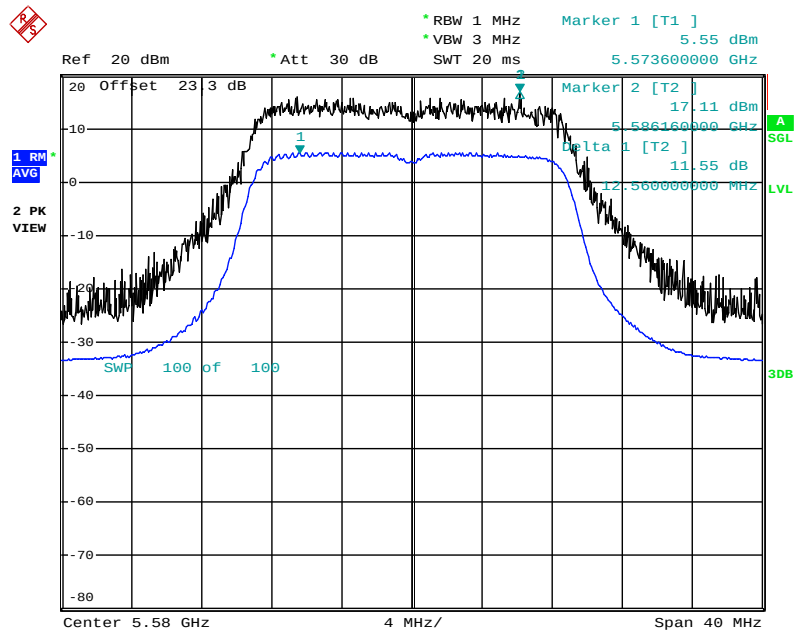
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5300 MHz



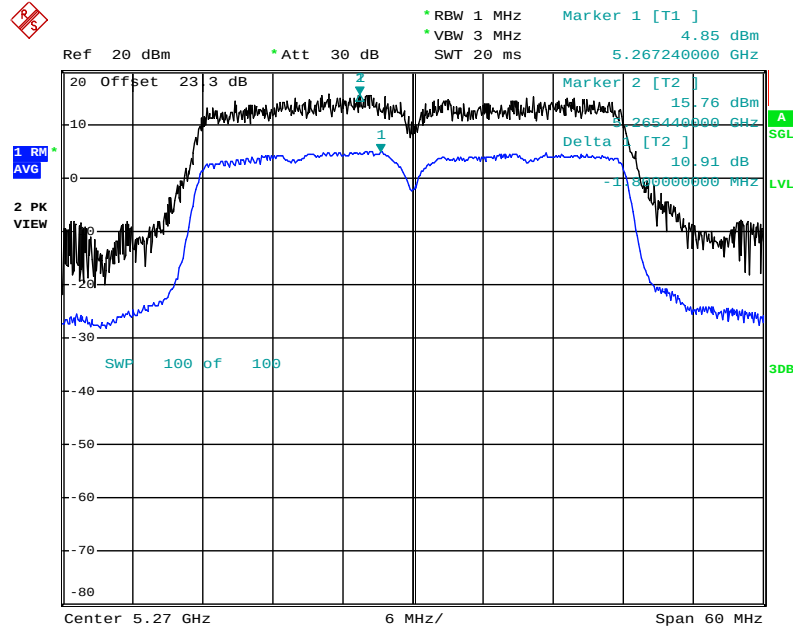
Date: 28.MAY.2013 00:30:40

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5580 MHz



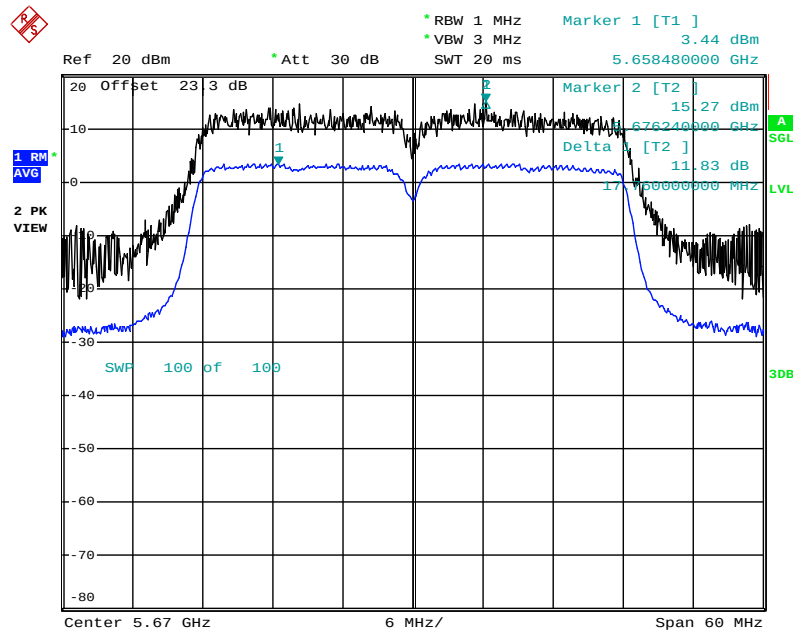
Date: 28.MAY.2013 00:42:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



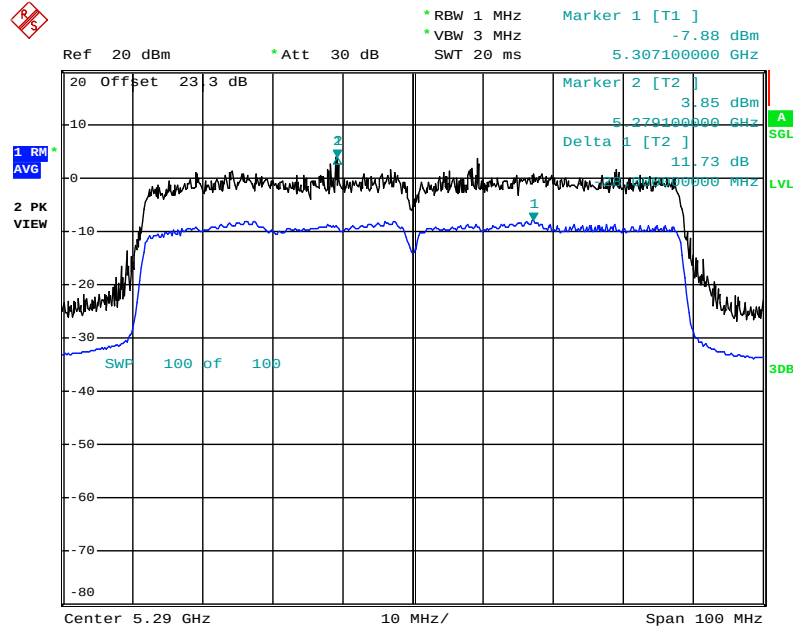
Date: 28.MAY.2013 01:07:59

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5670 MHz



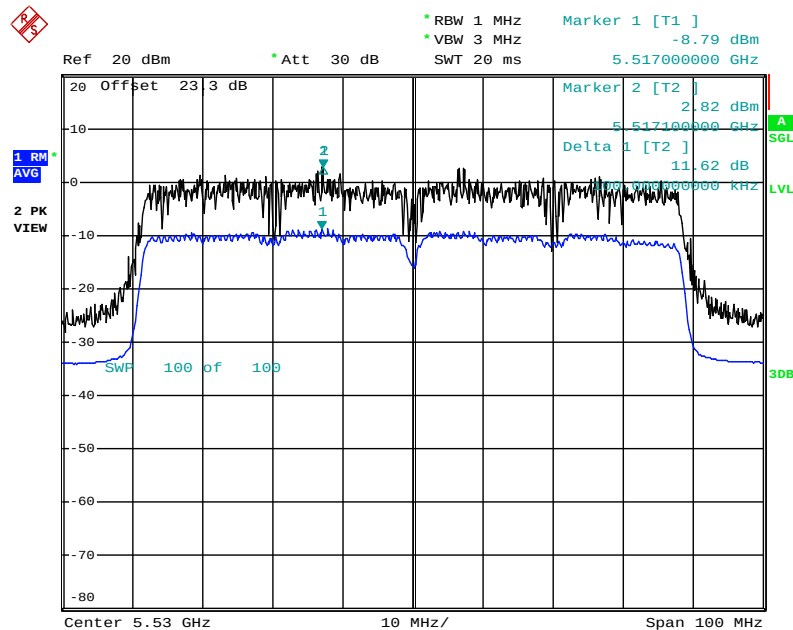
Date: 28.MAY.2013 00:59:42

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5290 MHz



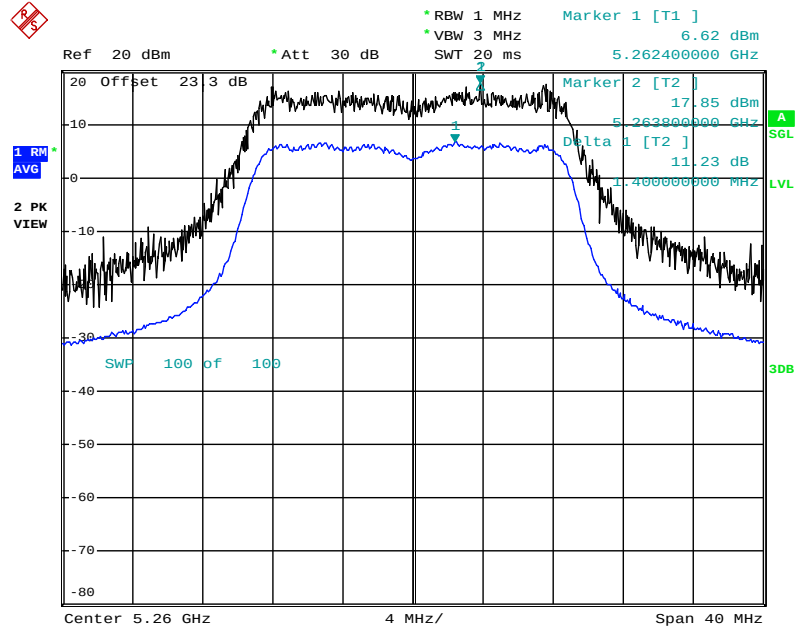
Date: 28.MAY.2013 01:19:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5530 MHz



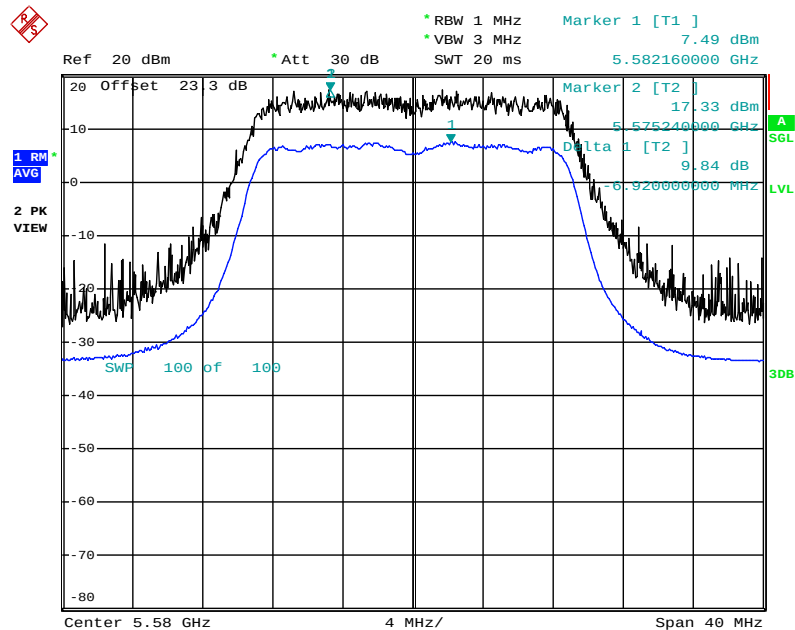
Date: 28.MAY.2013 01:31:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5260 MHz



Date: 28.MAY.2013 08:14:32

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5580 MHz



Date: 28.MAY.2013 08:26:50



Ref 20 dBm * Att 30 dB * RBW 1 MHz VBW 3 MHz SWT 20 ms Marker 1 [T1] 4.62 dBm 5.277620000 GHz

20 Offset 23 3 dB 2 Marker 2 [T2] 14.89 dBm A SGL

1 RM * 277000000 GHz Delta [T2] 10.27 dB LVL

2 PK 300 000000000 kHz 3DB

VIEW

SWF 100 of 100

Center 5.27 GHz 6 MHz/ Span 60 MHz

Ref 20 dBm Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms

Marker 1 [T1] 4.20 dBm 5.662260000 GHz

Marker 2 [T2] 14.62 dBm 6.641800000 GHz

Delta [T2] 10.42 dB 1.120000000 MHz

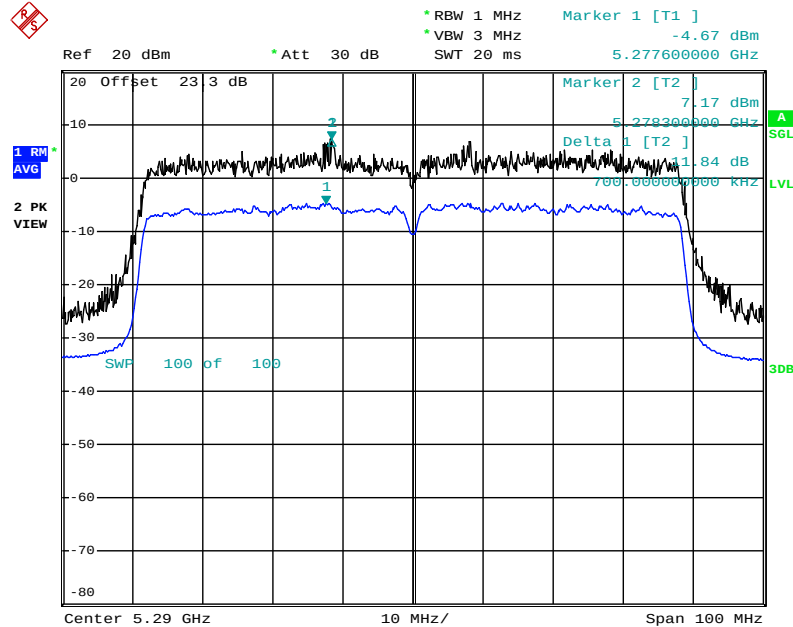
1 RM AVG 2 PK VIEW

SWR 100 of 100

Center 5.67 GHz 6 MHz/ Span 60 MHz

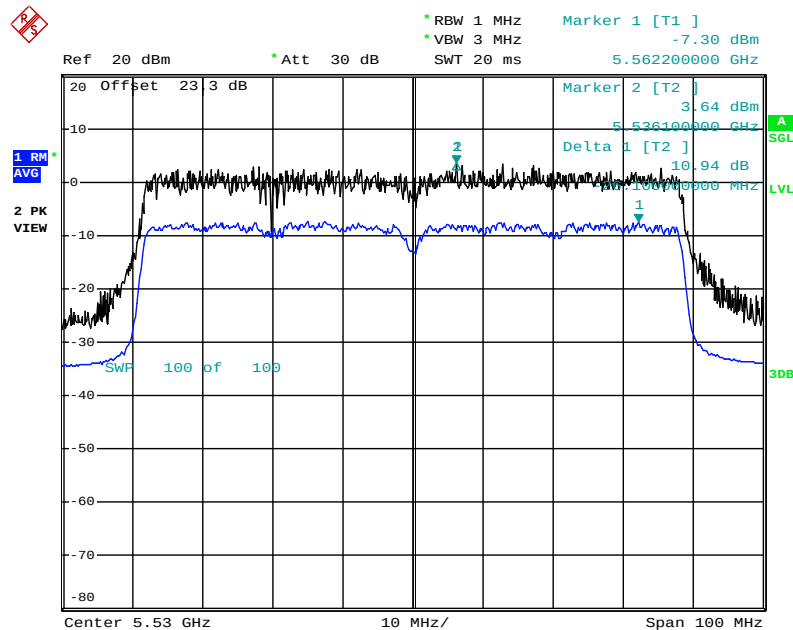
Issued Date : Oct. 29, 2013

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



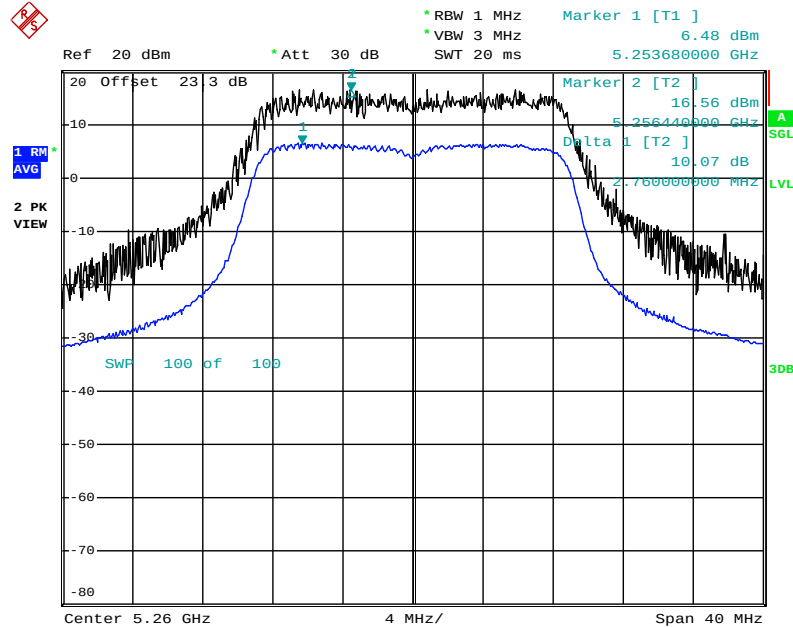
Date: 28.MAY.2013 11:22:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5530 MHz



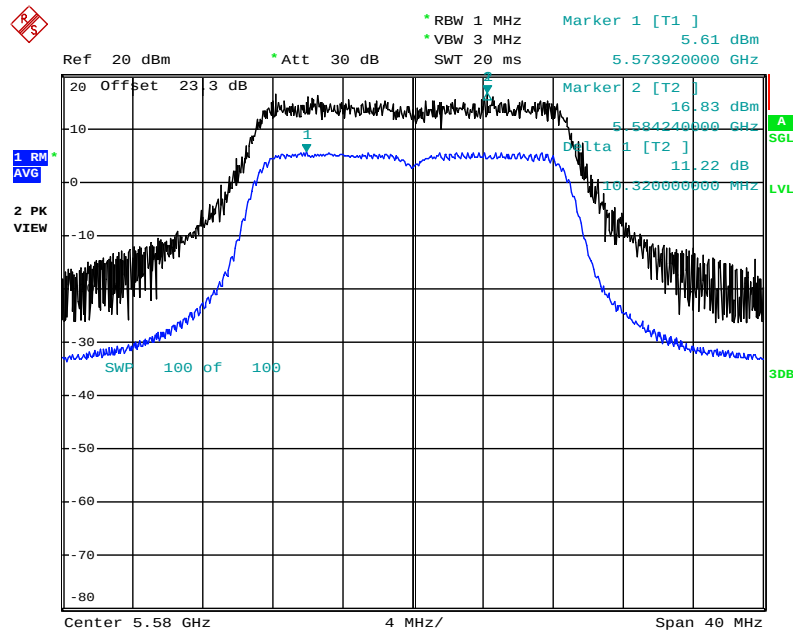
Date: 28.MAY.2013 12:16:12

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5260 MHz



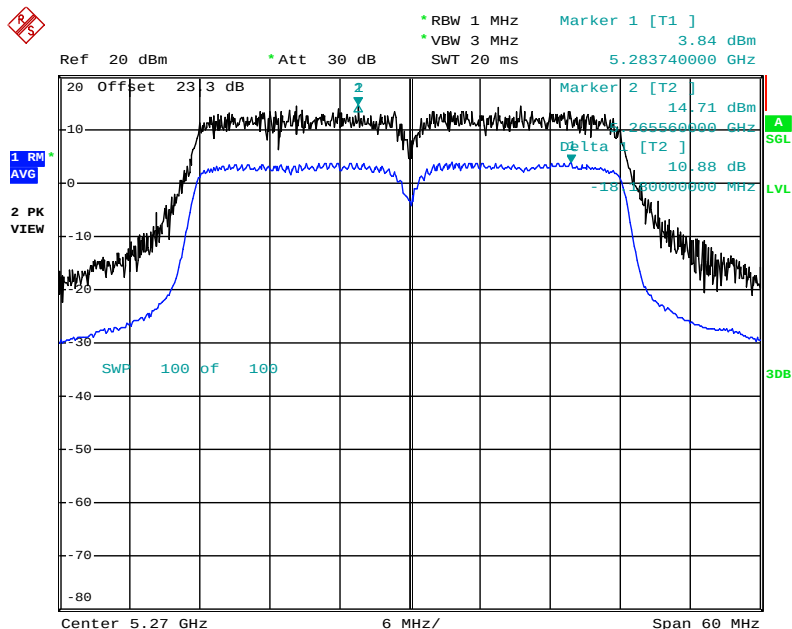
Date: 28.MAY.2013 12:49:53

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5580 MHz



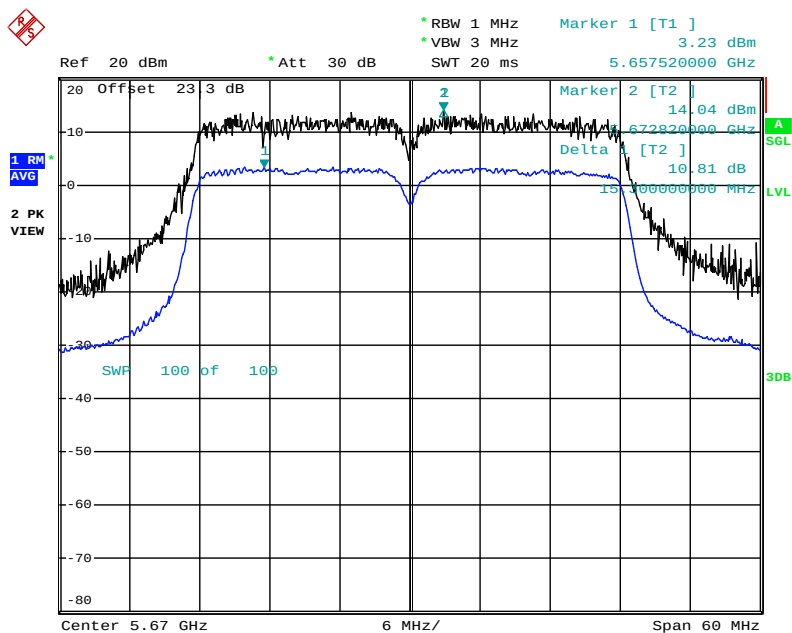
Date: 28.MAY.2013 12:54:25

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



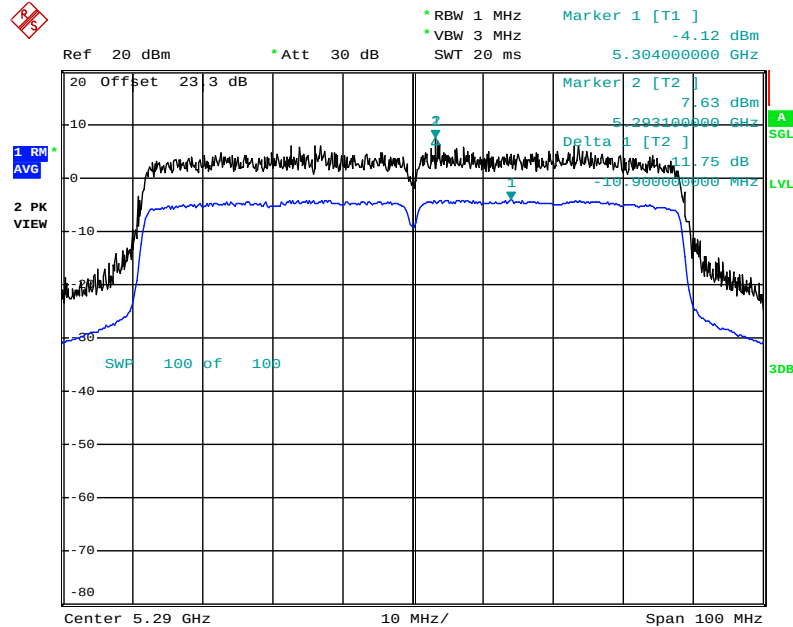
Date: 28.MAY.2013 13:08:36

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5670 MHz



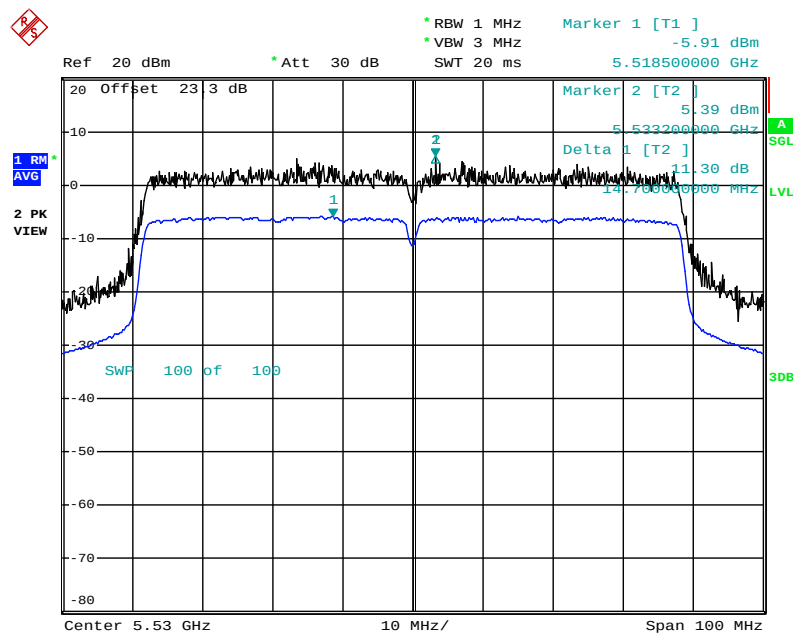
Date: 28.MAY.2013 13:06:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5290 MHz



Date: 28.MAY.2013 13:58:36

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5530 MHz



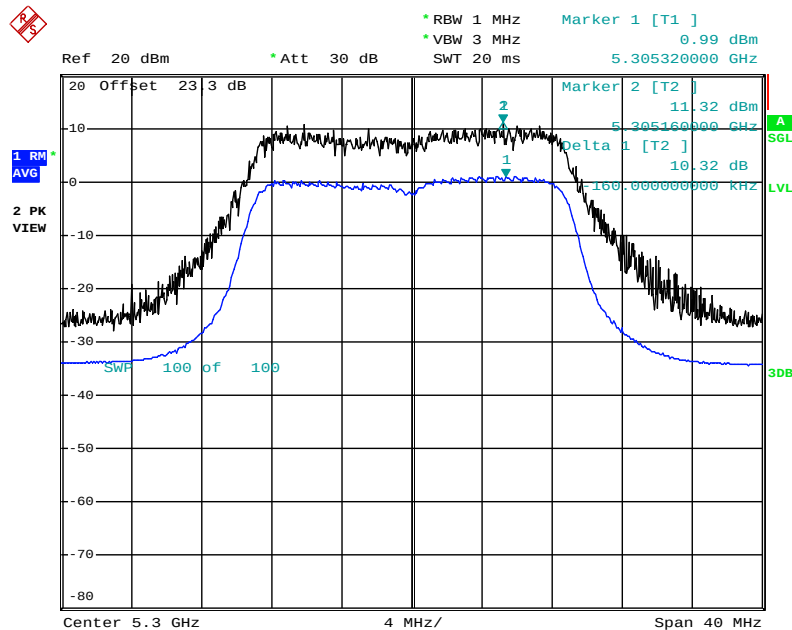
Date: 28.MAY.2013 14:13:28

Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /

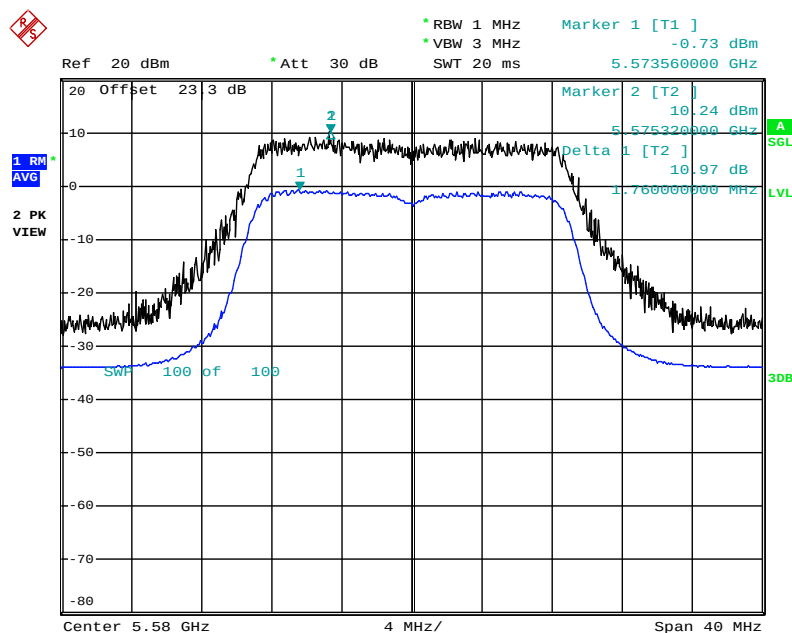
64QAM(MCS5) / 5300 MHz



Date: 28.MAY.2013 00:34:26

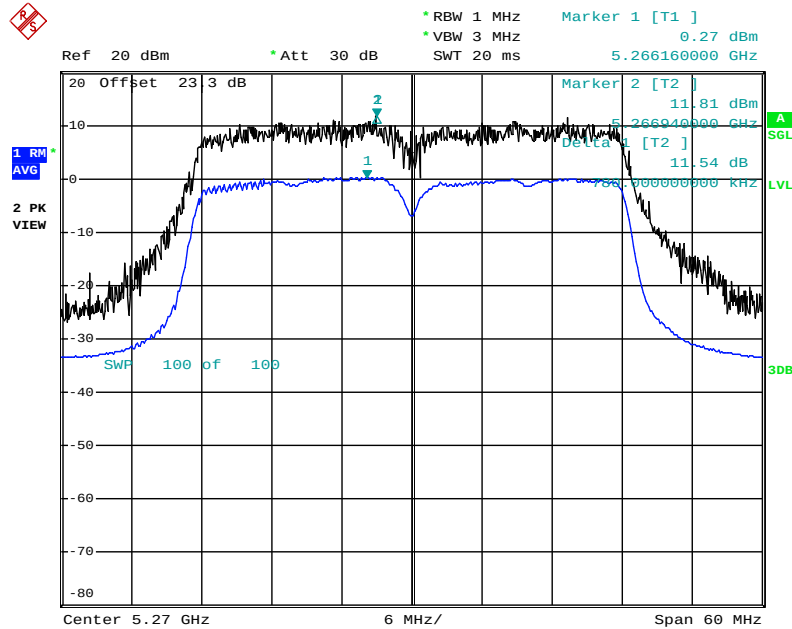
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 /

256QAM(MCS8) / 5580 MHz



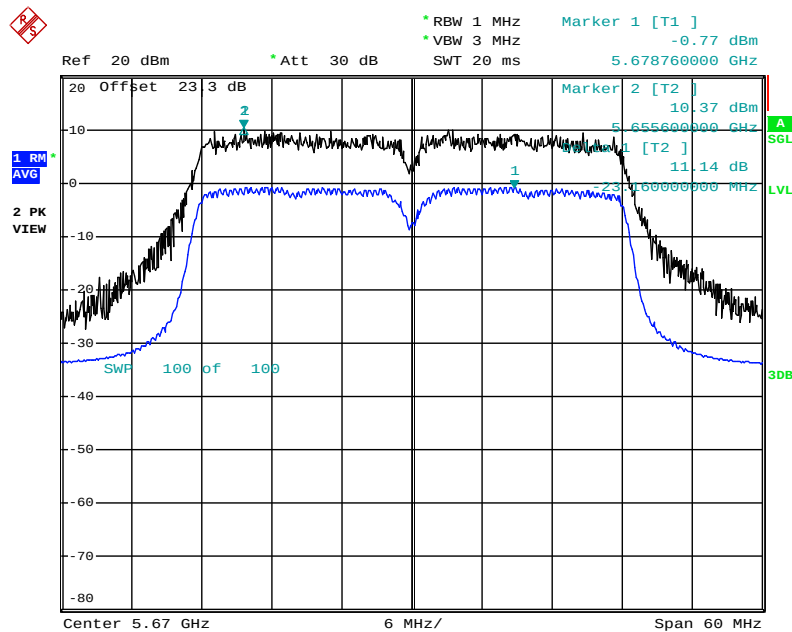
Date: 28.MAY.2013 00:41:30

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



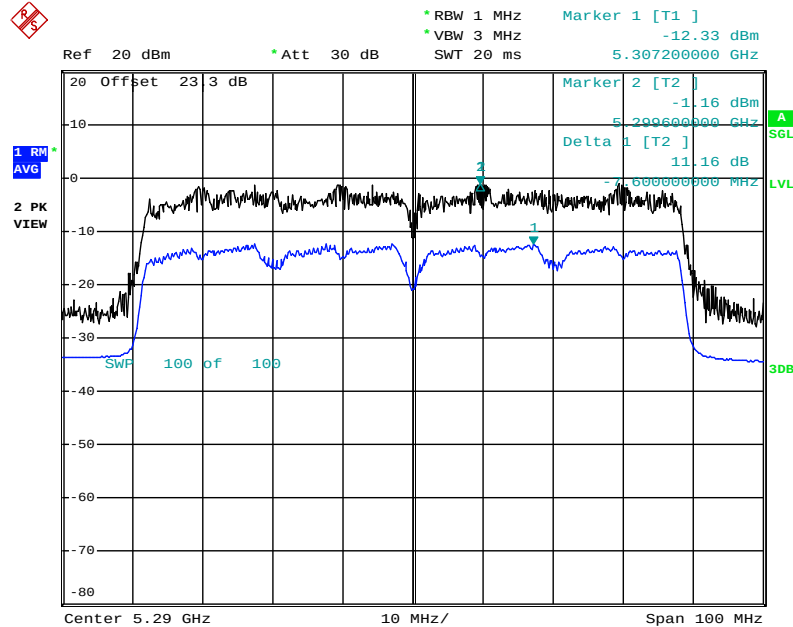
Date: 28.MAY.2013 01:04:07

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5670 MHz



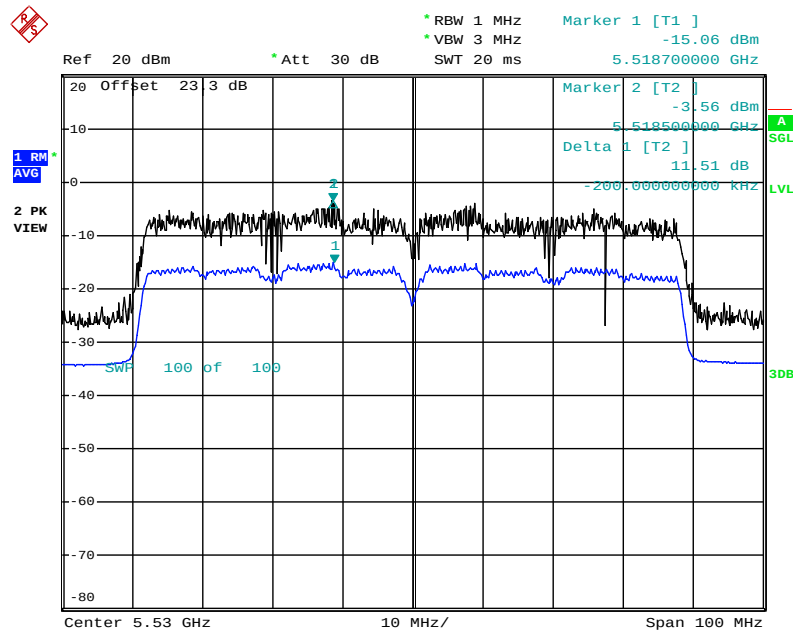
Date: 28.MAY.2013 01:03:25

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5290 MHz



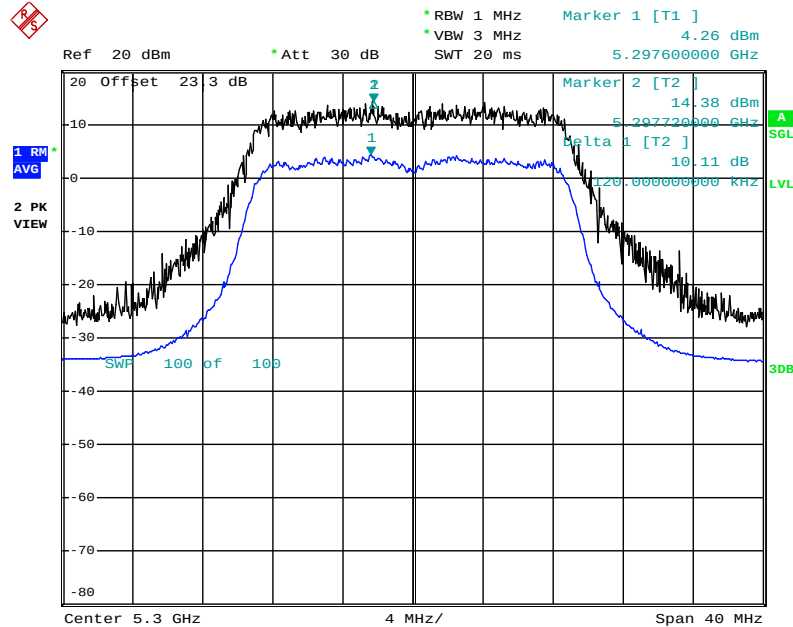
Date: 28.MAY.2013 01:22:13

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5530 MHz



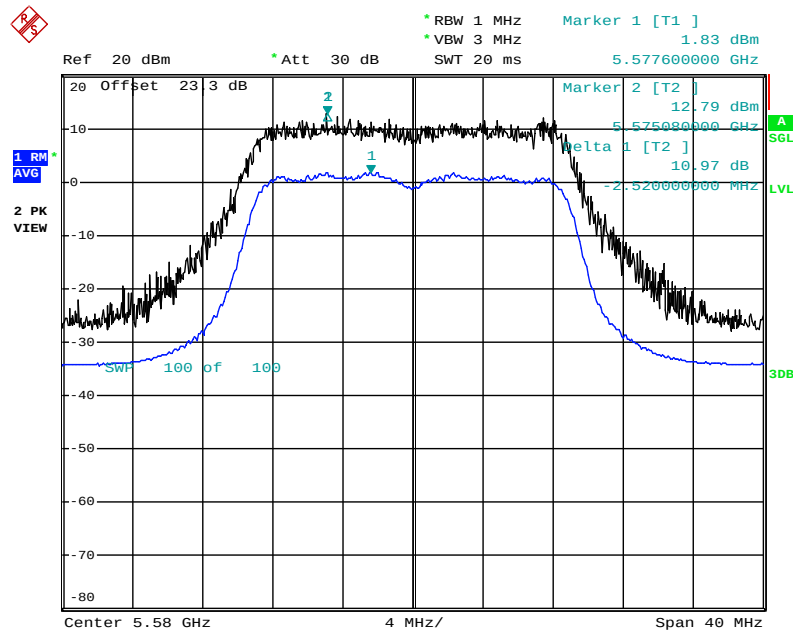
Date: 28.MAY.2013 01:27:11

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5300 MHz



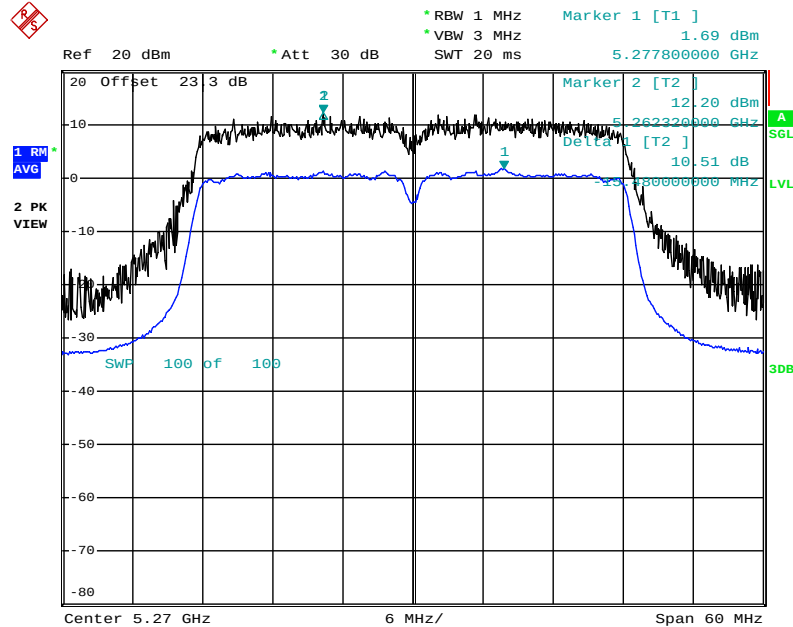
Date: 28.MAY.2013 08:09:42

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5580 MHz



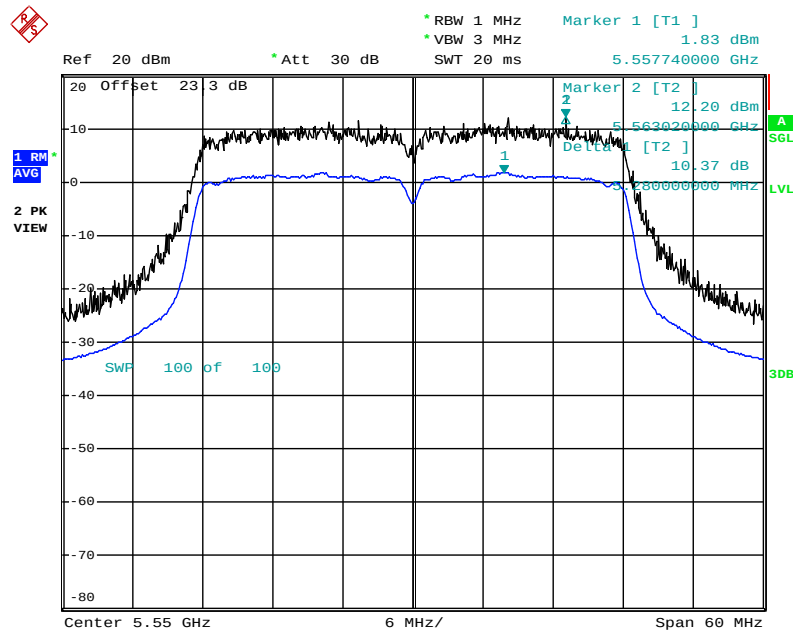
Date: 28.MAY.2013 08:28:17

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5270 MHz



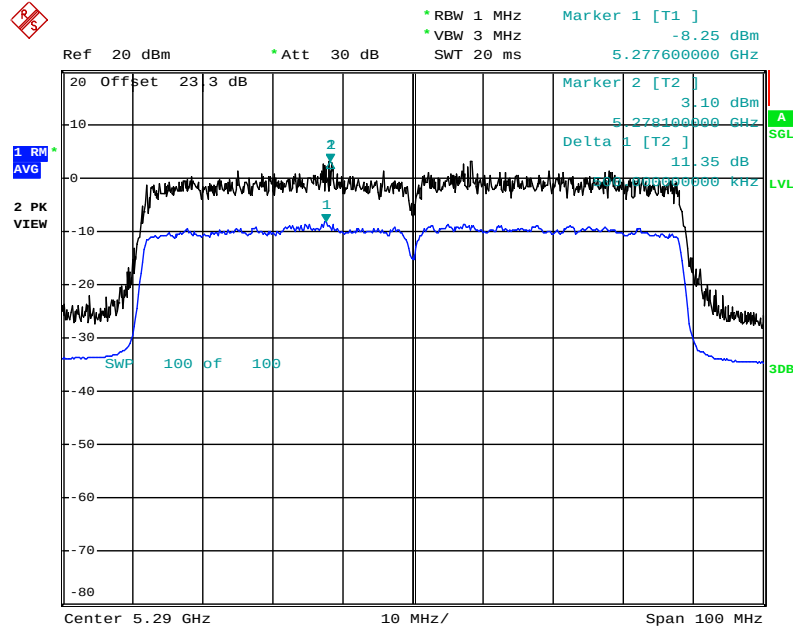
Date: 28.MAY.2013 11:06:08

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5550 MHz



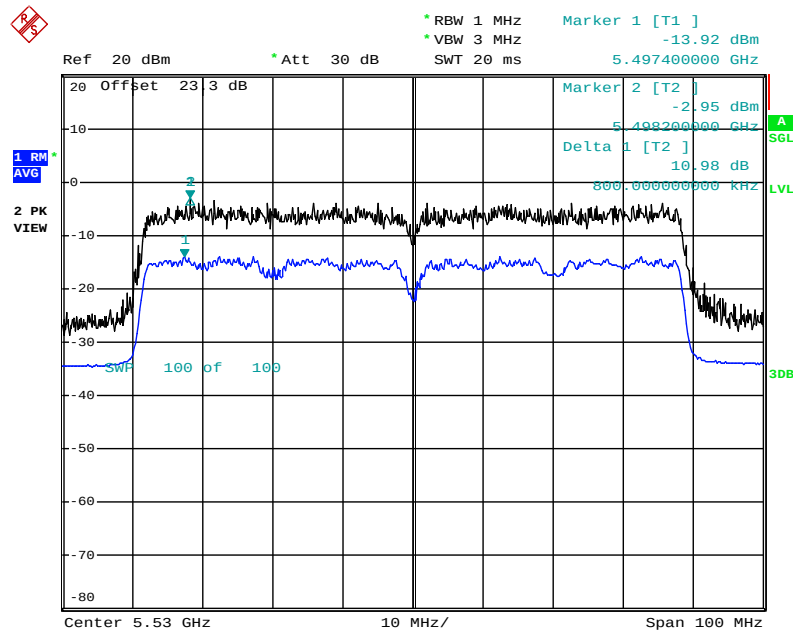
Date: 28.MAY.2013 08:33:04

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



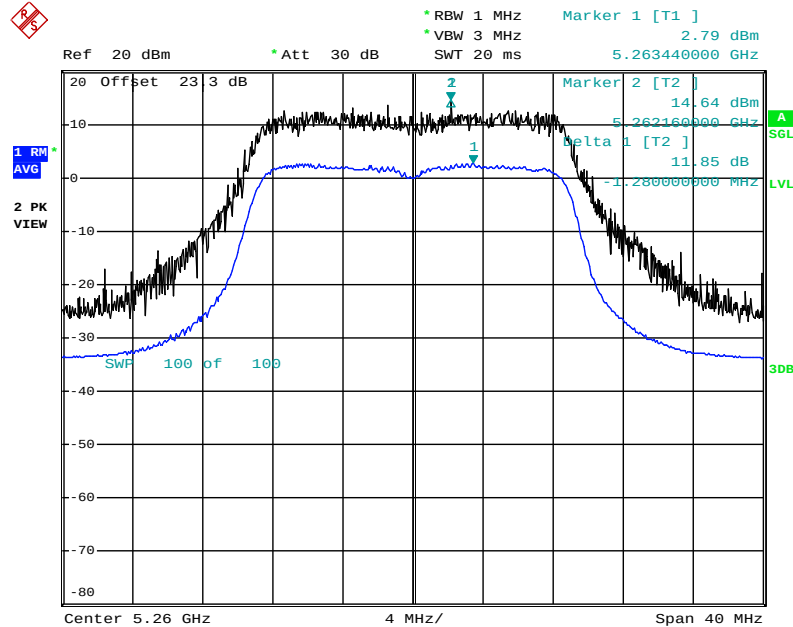
Date: 28.MAY.2013 11:08:26

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5530 MHz



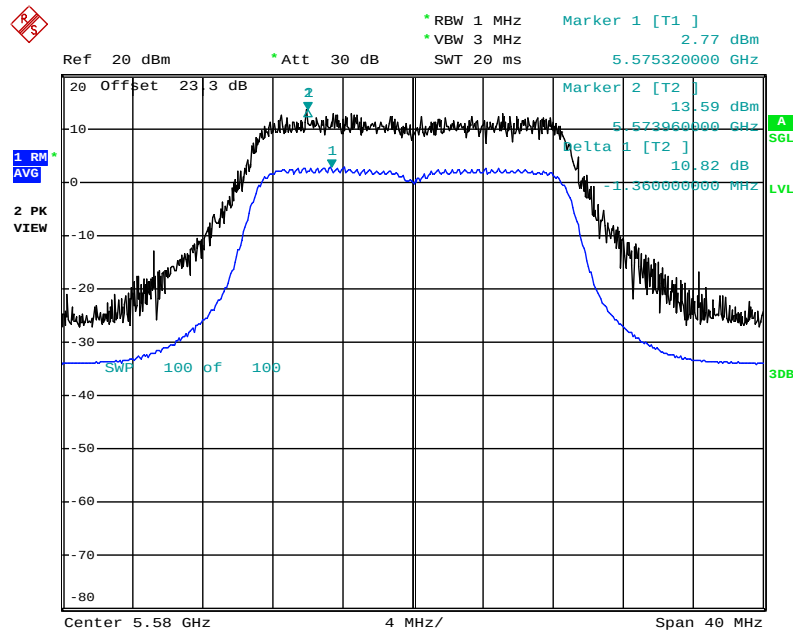
Date: 28.MAY.2013 11:10:24

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5260 MHz



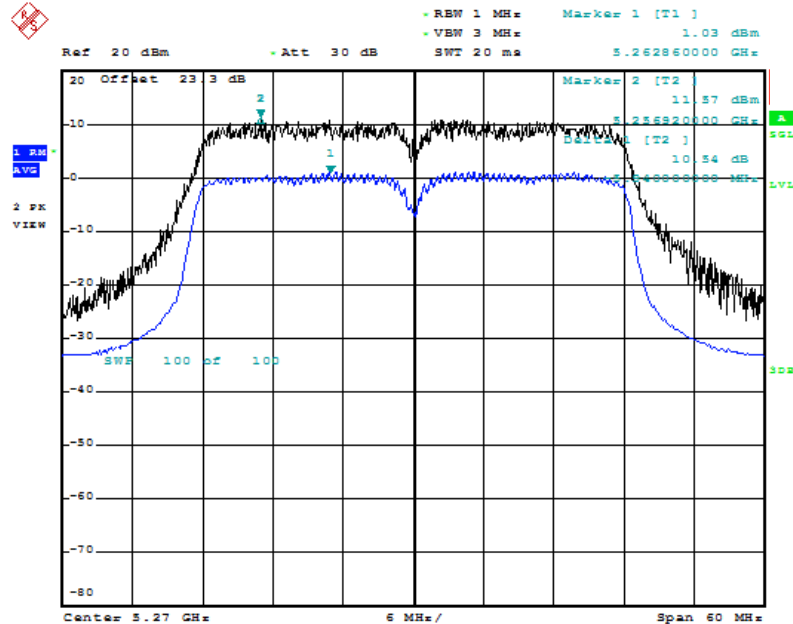
Date: 28.MAY.2013 12:41:58

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5580 MHz



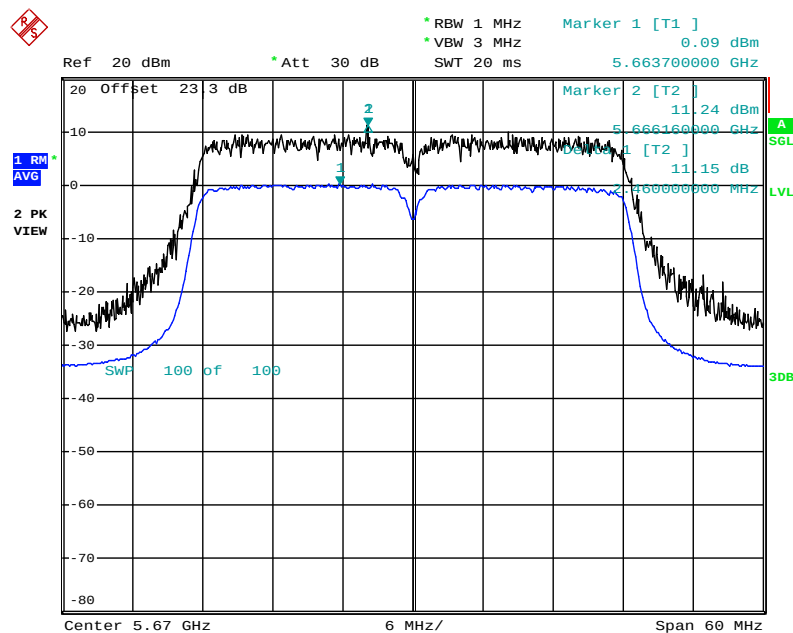
Date: 28.MAY.2013 12:58:37

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



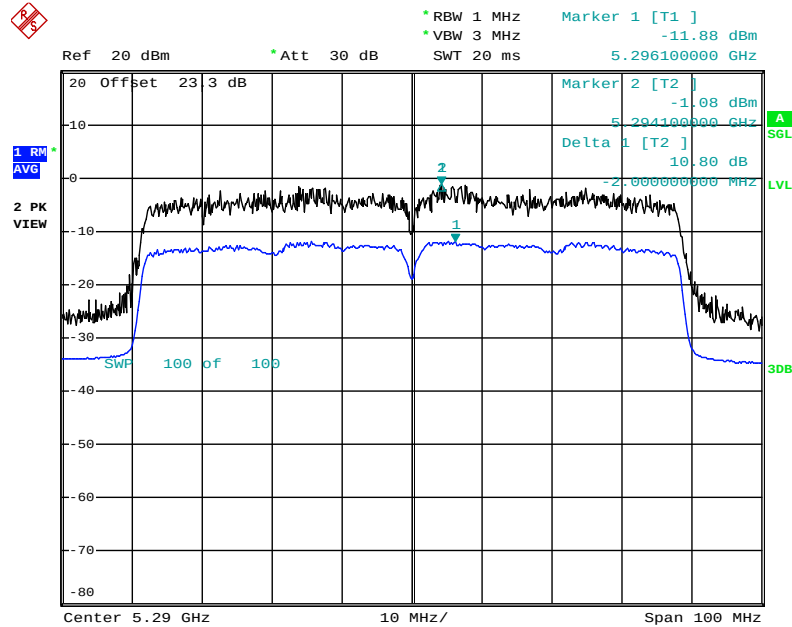
Date: 28.MAY.2013 13:17:08

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5670 MHz



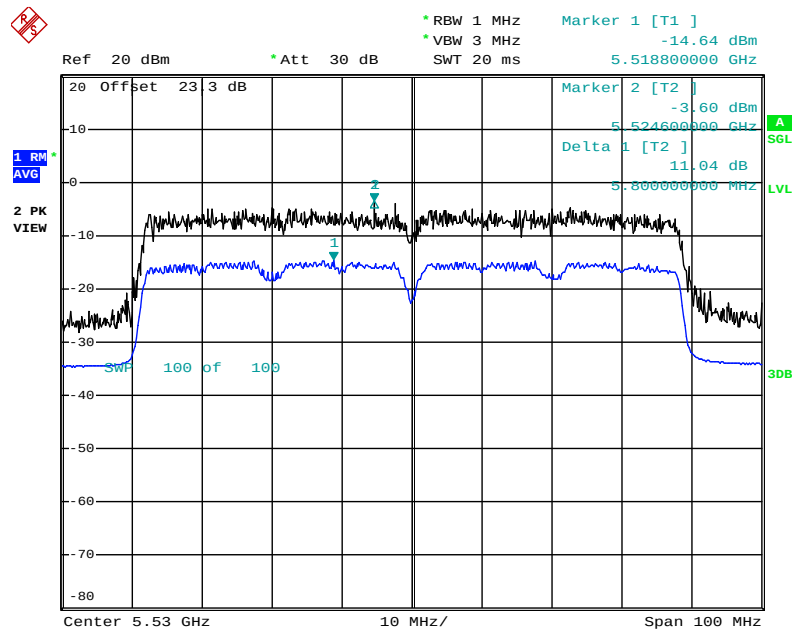
Date: 28.MAY.2013 13:01:37

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



Date: 28.MAY.2013 13:47:15

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5530 MHz



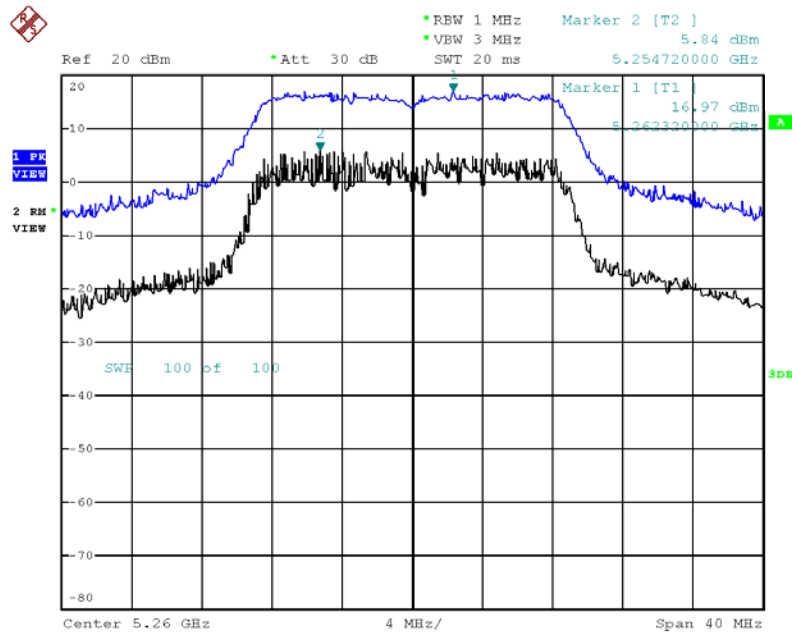
Date: 28.MAY.2013 14:21:04

Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 64QAM(MCS5) /

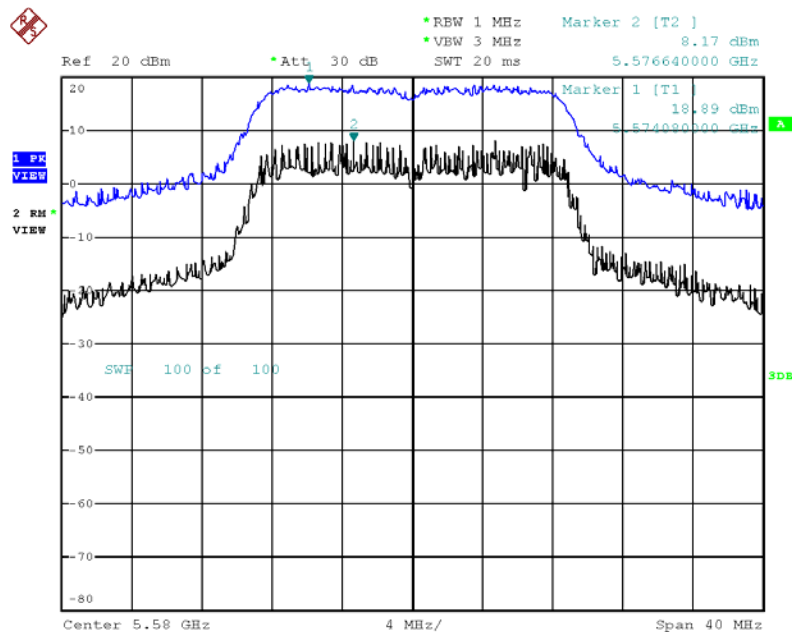
5260 MHz



Date: 7.JUL.2013 18:18:47

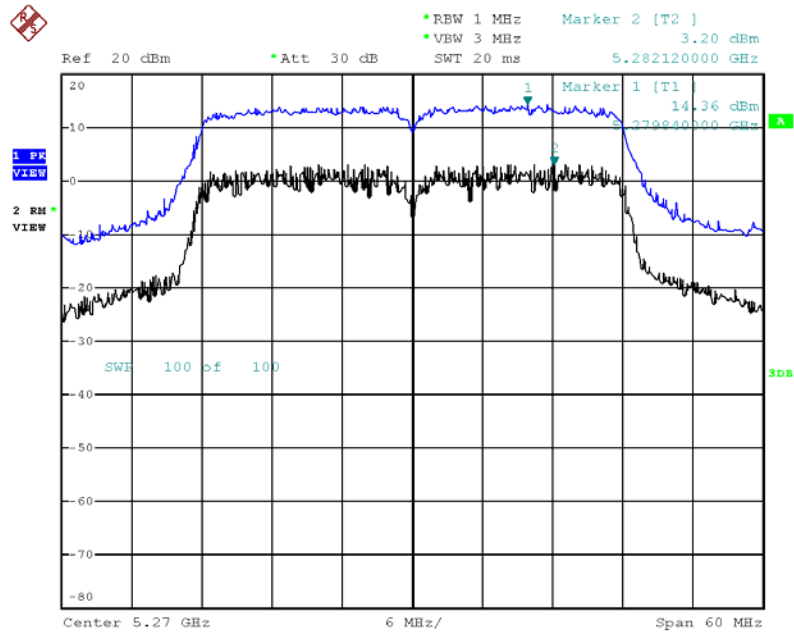
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 64QAM(MCS5) /

5580 MHz



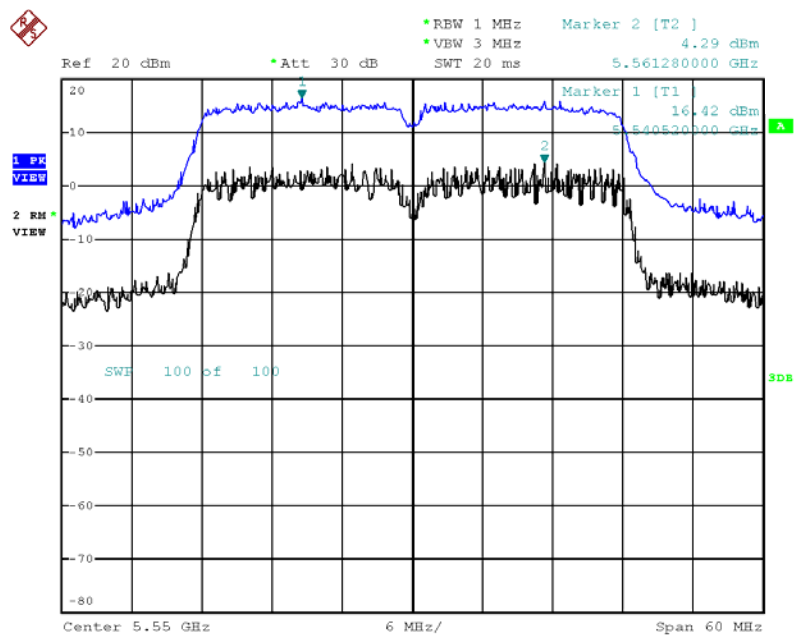
Date: 7.JUL.2013 18:24:51

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5270 MHz



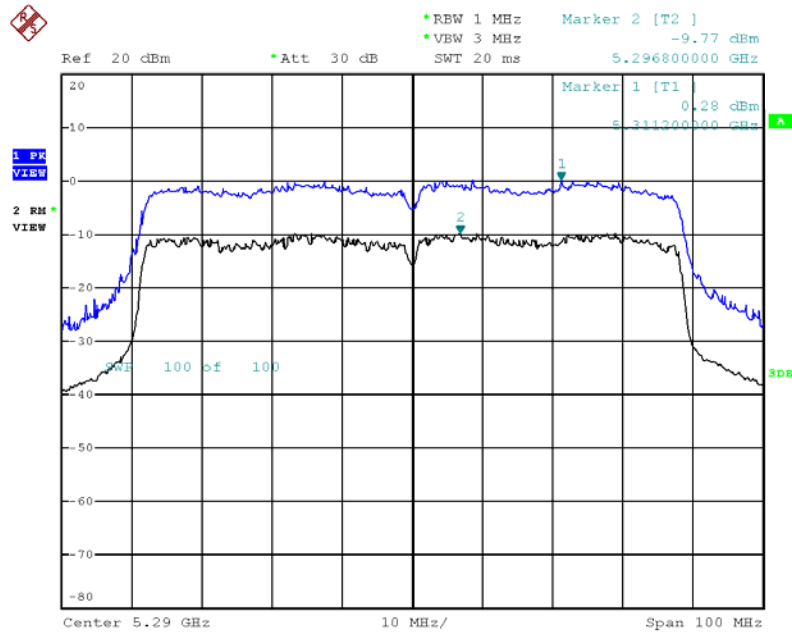
Date: 7.JUL.2013 18:42:08

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) / 5550 MHz



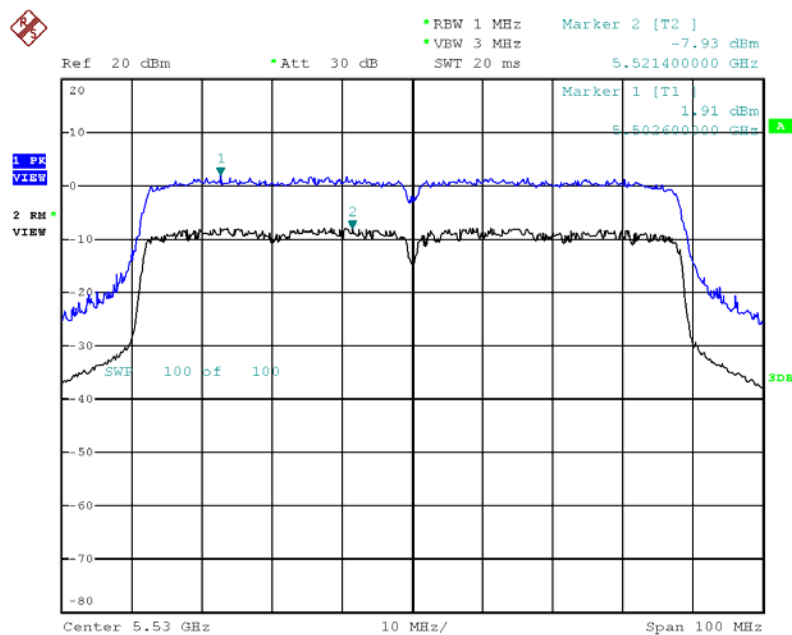
Date: 7.JUL.2013 18:46:33

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / QPSK(MCS1) / 5290 MHz



Date: 7.JUL.2013 19:06:09

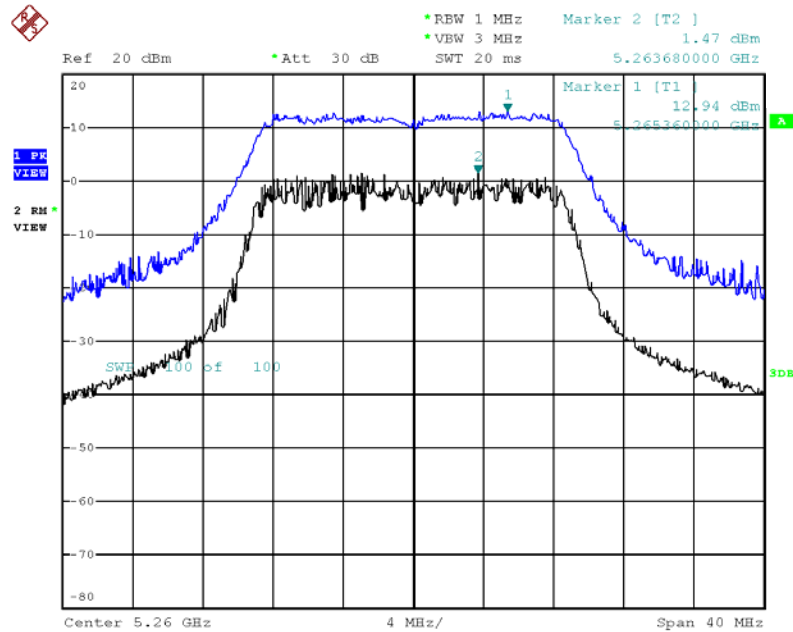
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 64QAM(MCS5) / 5530 MHz



Date: 7.JUL.2013 18:56:34

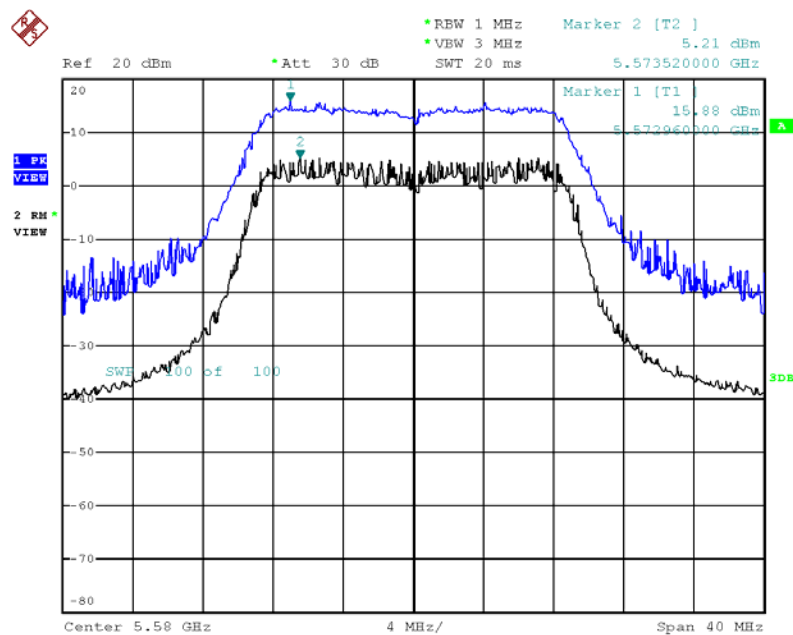
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 64QAM(MCS5) / 5260 MHz



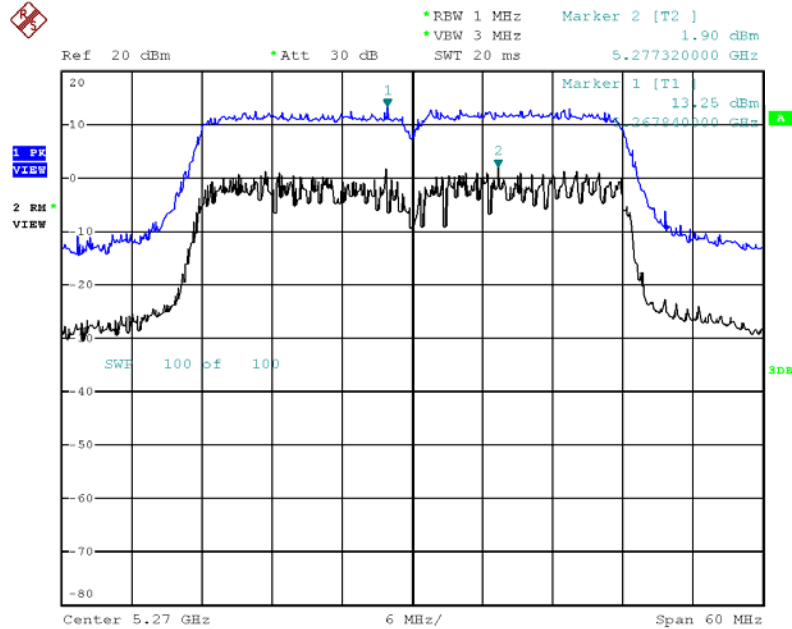
Date: 9.JUL.2013 01:04:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5580 MHz



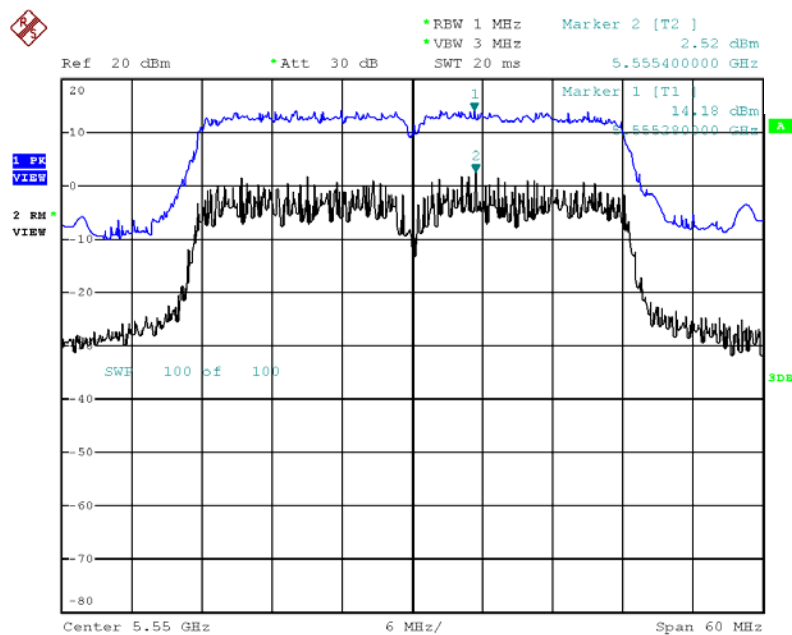
Date: 9.JUL.2013 01:09:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5270 MHz



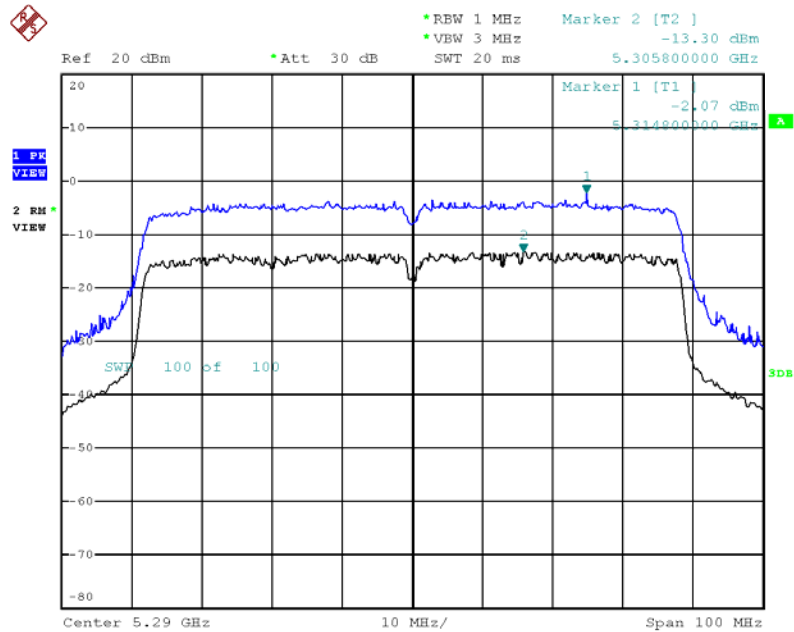
Date: 9.JUL.2013 01:24:01

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5550 MHz



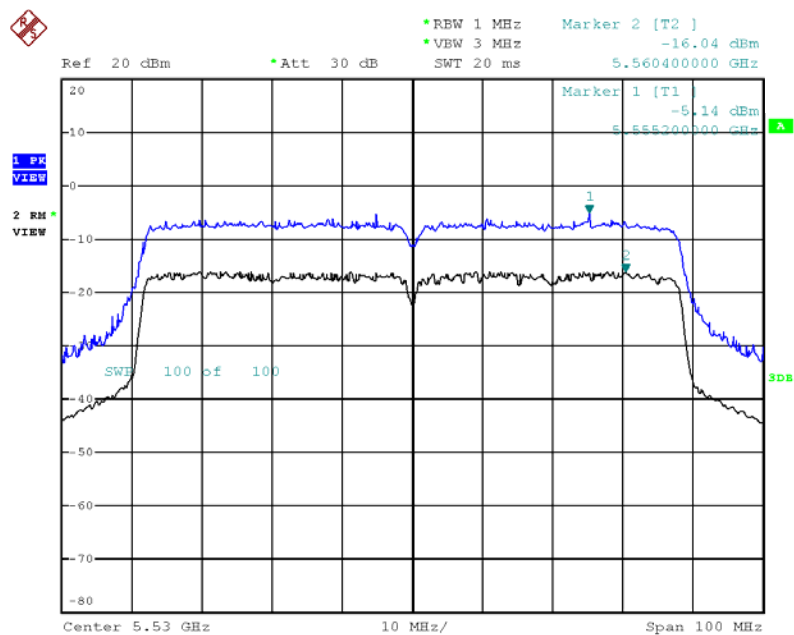
Date: 9.JUL.2013 01:28:19

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5290 MHz



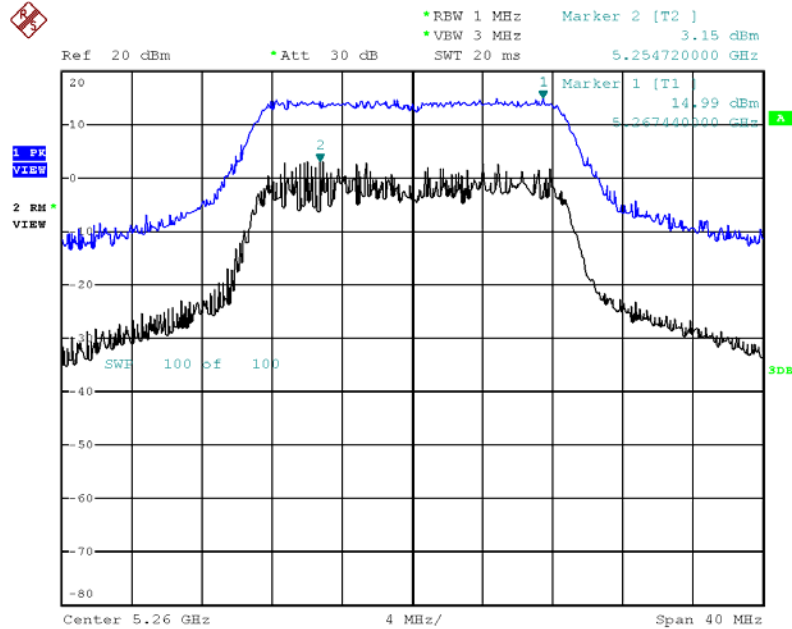
Date: 9.JUL.2013 01:39:53

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5530 MHz



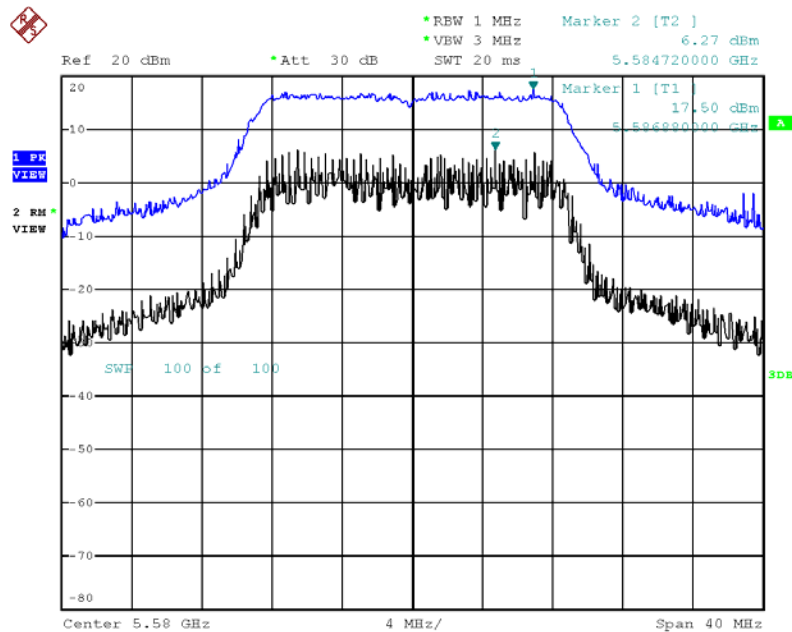
Date: 9.JUL.2013 01:44:27

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5260 MHz



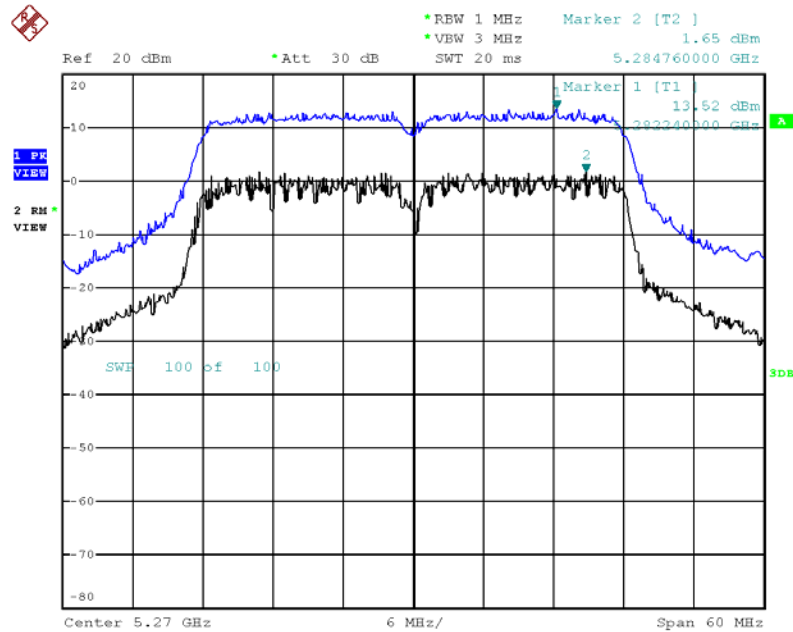
Date: 9.JUL.2013 01:59:17

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 /
64QAM(MCS5) / 5580 MHz



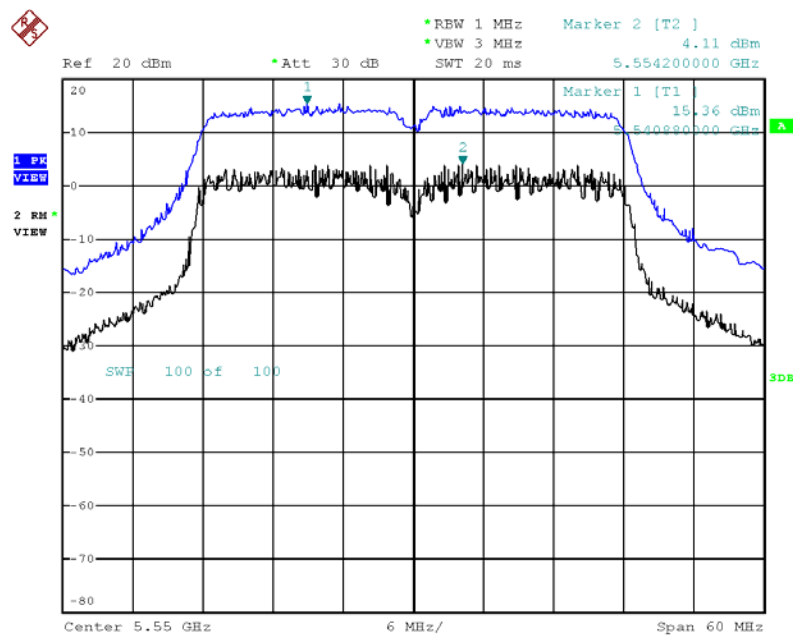
Date: 9.JUL.2013 02:05:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5270 MHz



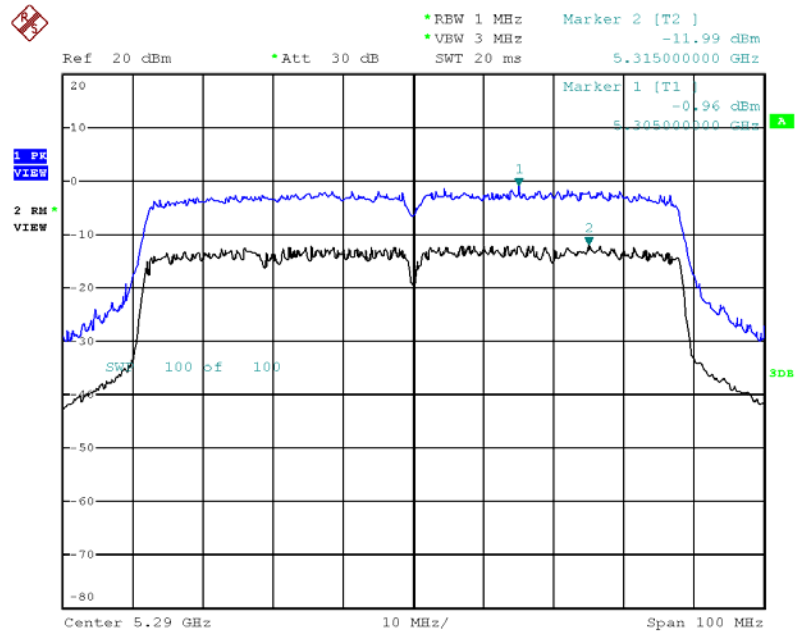
Date: 9.JUL.2013 02:18:20

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5550 MHz



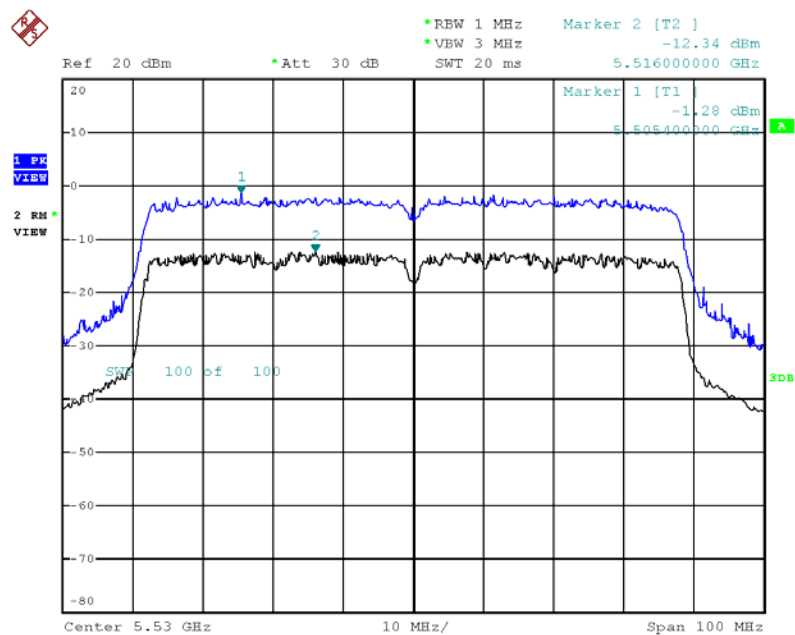
Date: 9.JUL.2013 02:25:02

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5290 MHz



Date: 9.JUL.2013 02:34:54

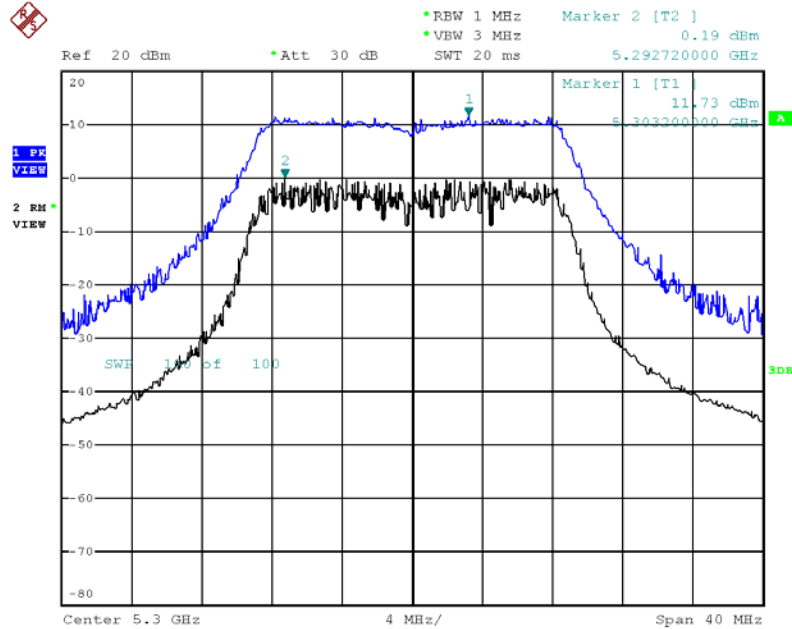
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5530 MHz



Date: 9.JUL.2013 02:40:23

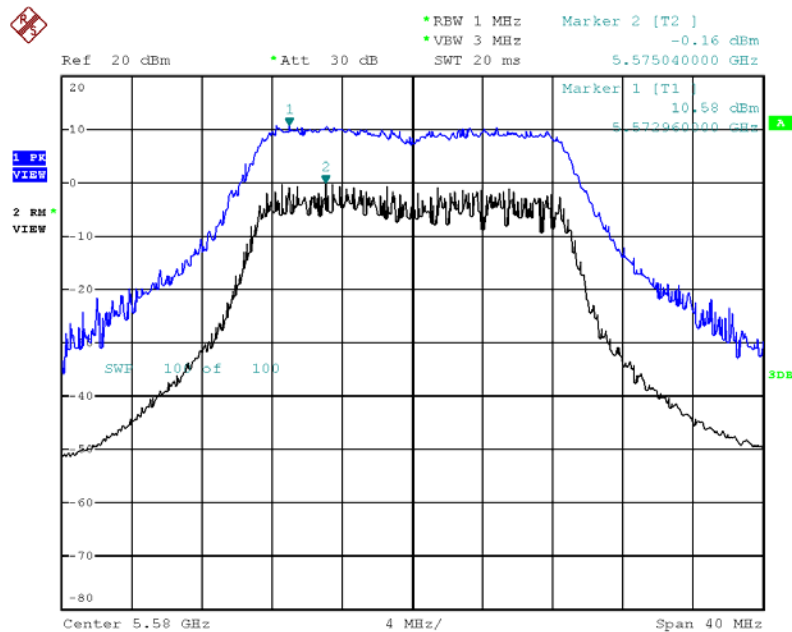
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5300 MHz



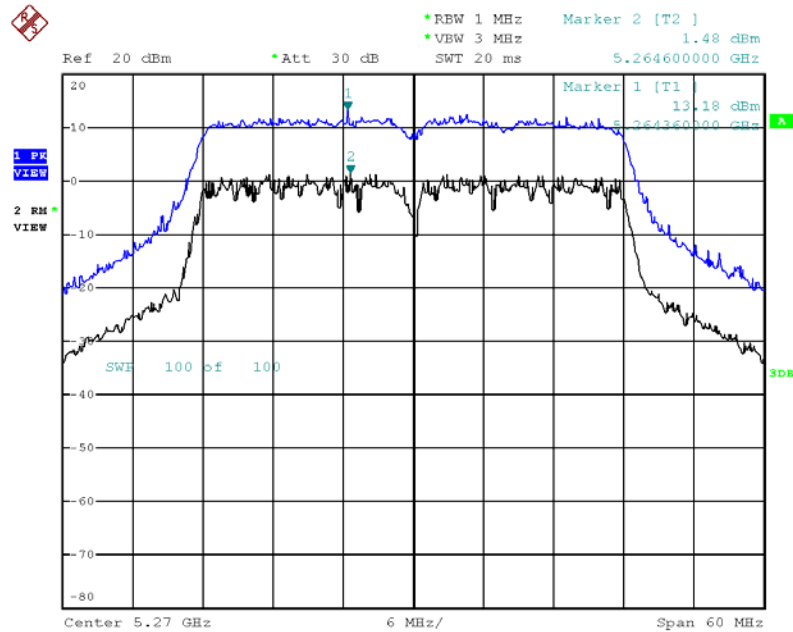
Date: 9.JUL.2013 19:12:42

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5580 MHz



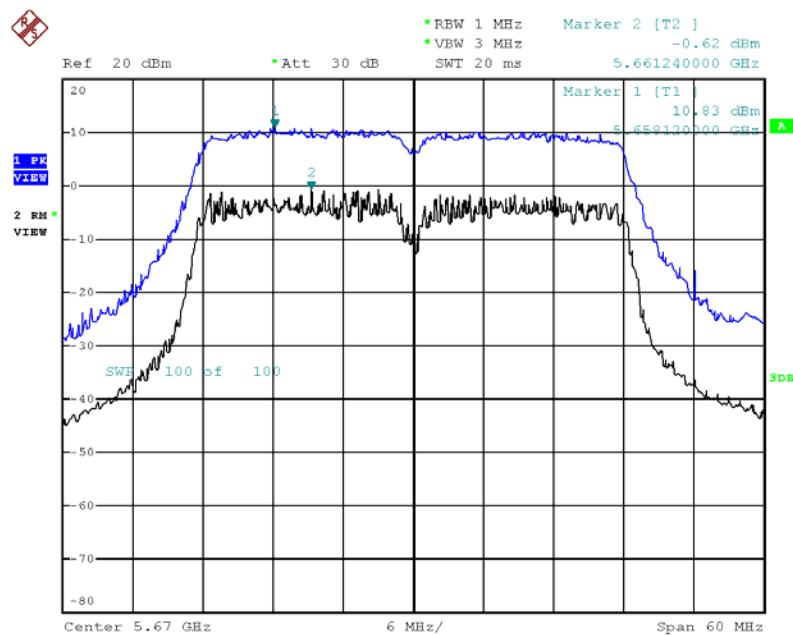
Date: 9.JUL.2013 19:18:27

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5270 MHz



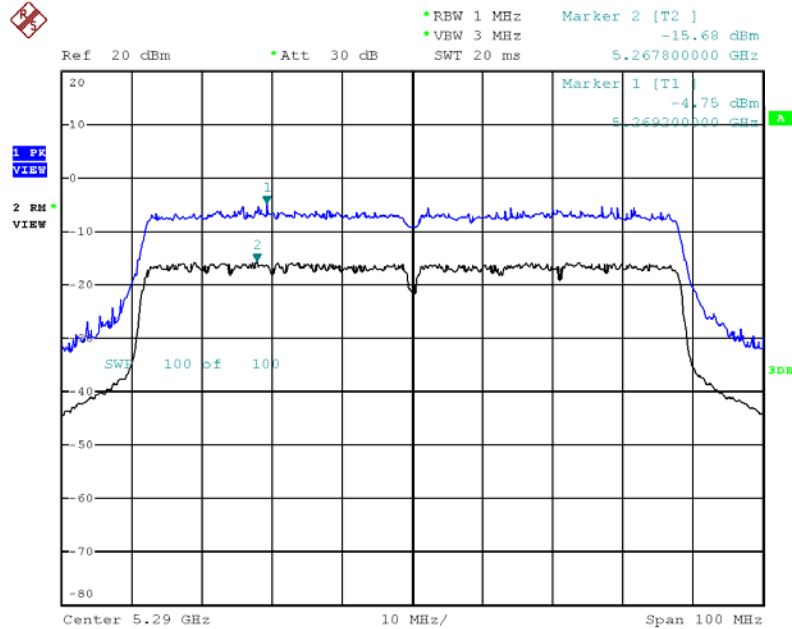
Date: 9.JUL.2013 19:37:18

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5670 MHz



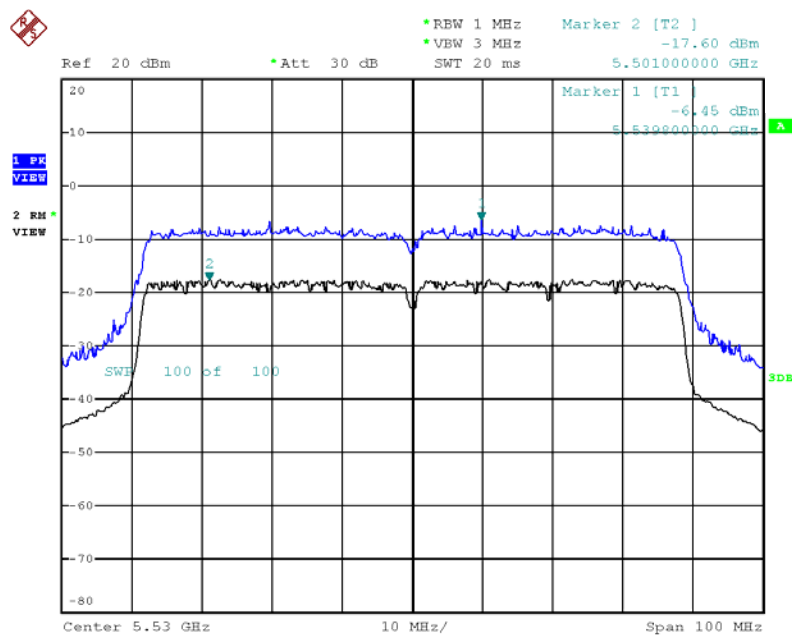
Date: 9.JUL.2013 19:43:59

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5290 MHz



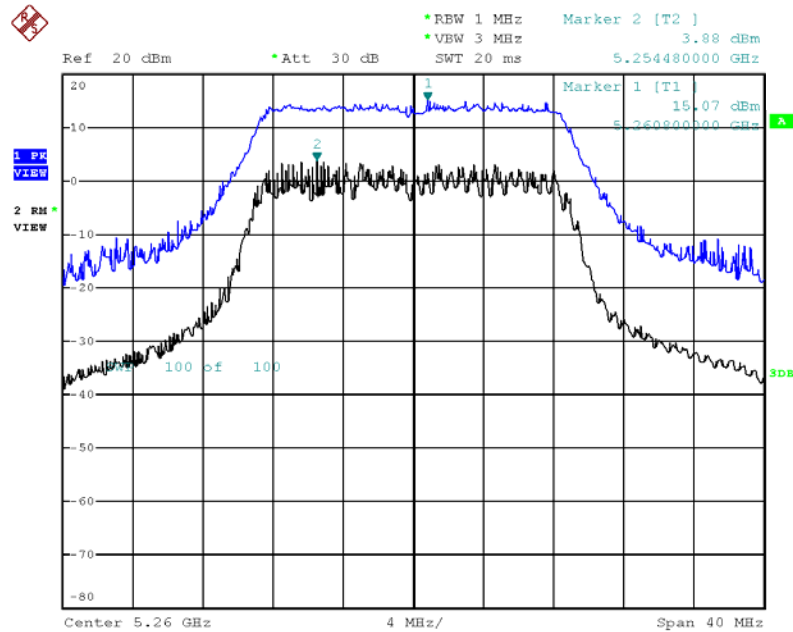
Date: 9.JUL.2013 19:52:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80/ Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5530 MHz



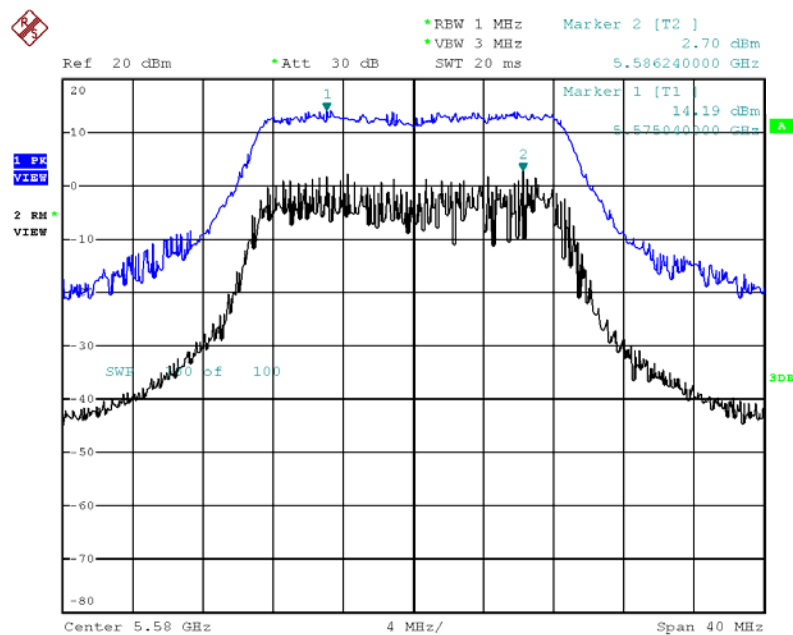
Date: 9.JUL.2013 19:59:26

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5260 MHz



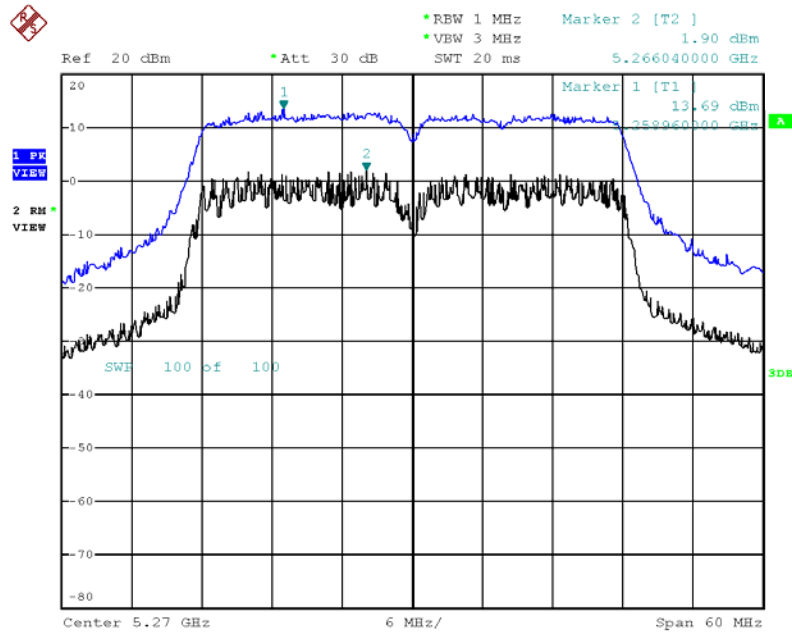
Date: 9.JUL.2013 20:17:39

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5580 MHz



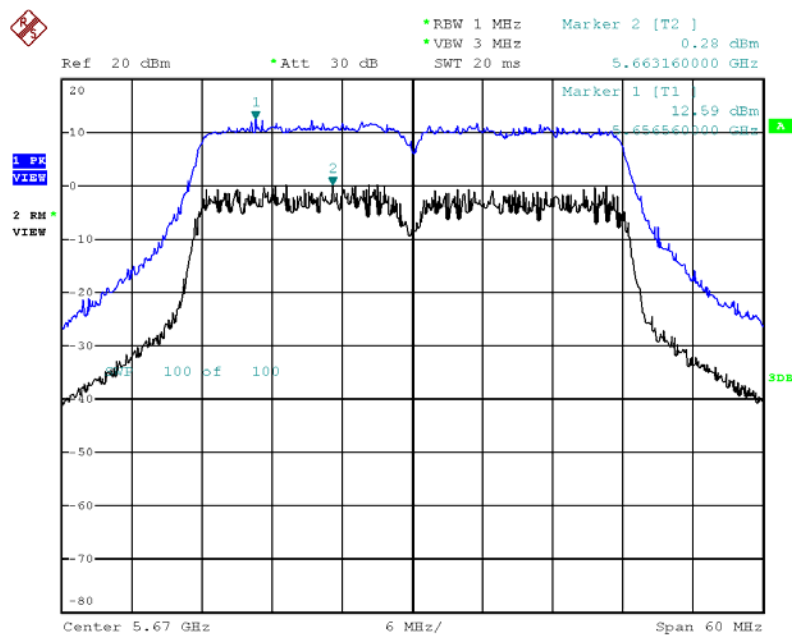
Date: 9.JUL.2013 20:24:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5270 MHz



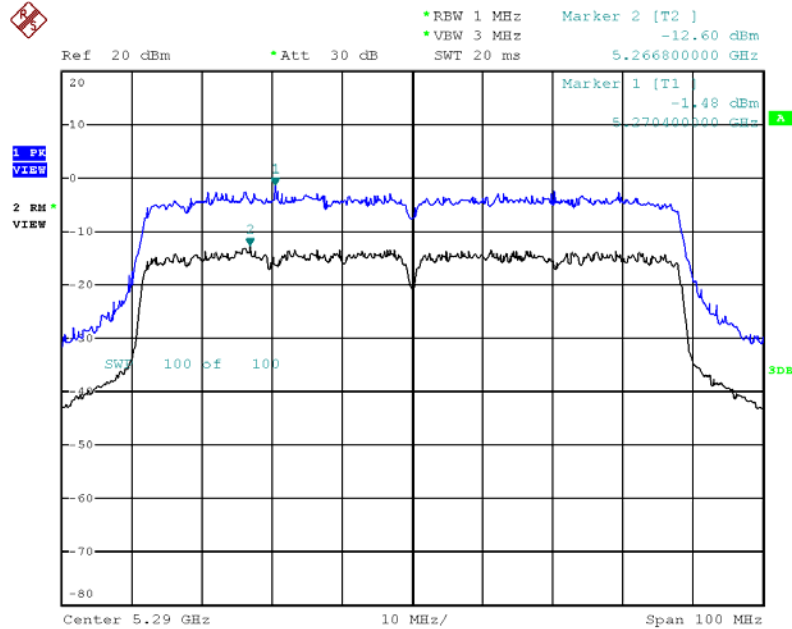
Date: 9.JUL.2013 20:37:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5670 MHz



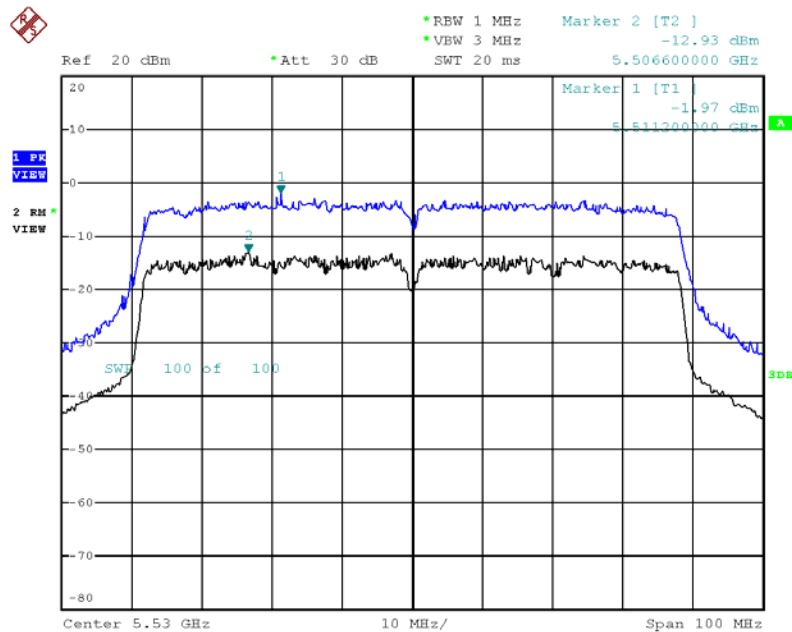
Date: 9.JUL.2013 20:46:09

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5290 MHz



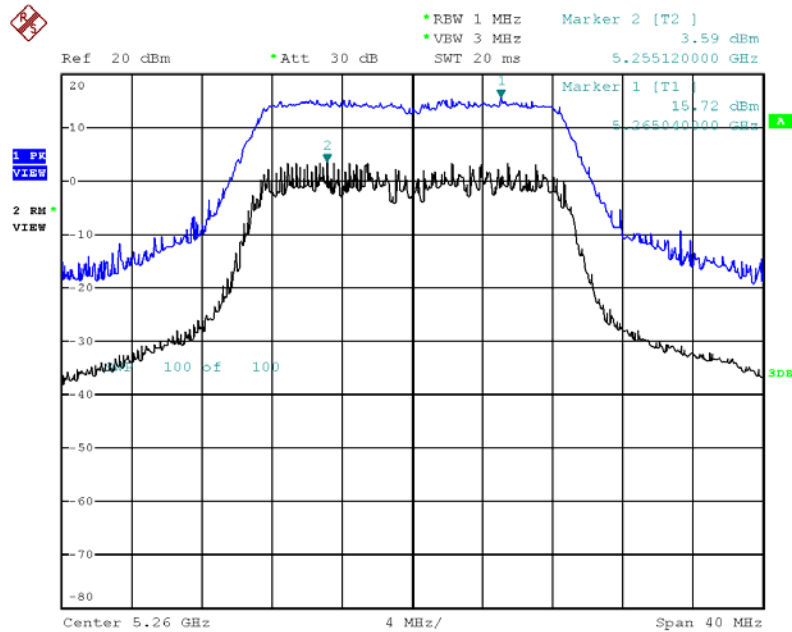
Date: 9.JUL.2013 21:00:43

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5530 MHz



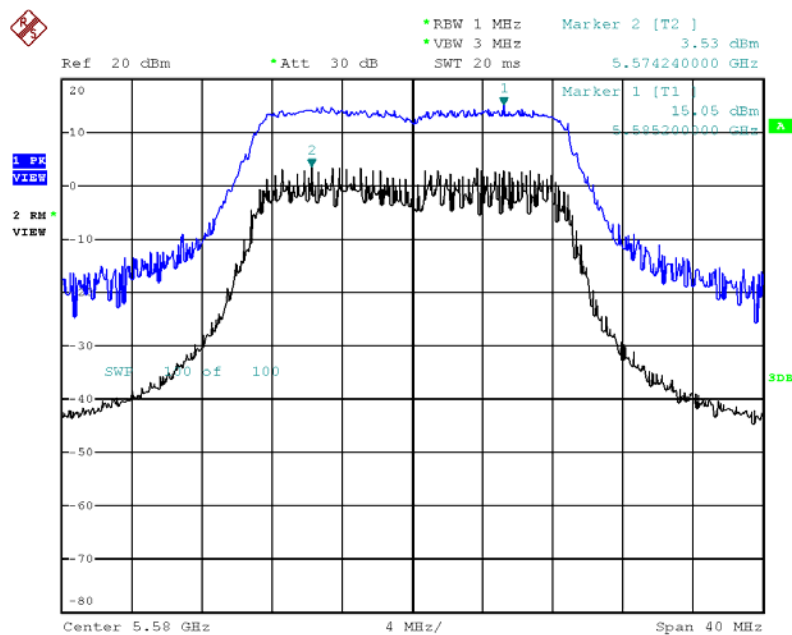
Date: 9.JUL.2013 21:06:06

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5260 MHz



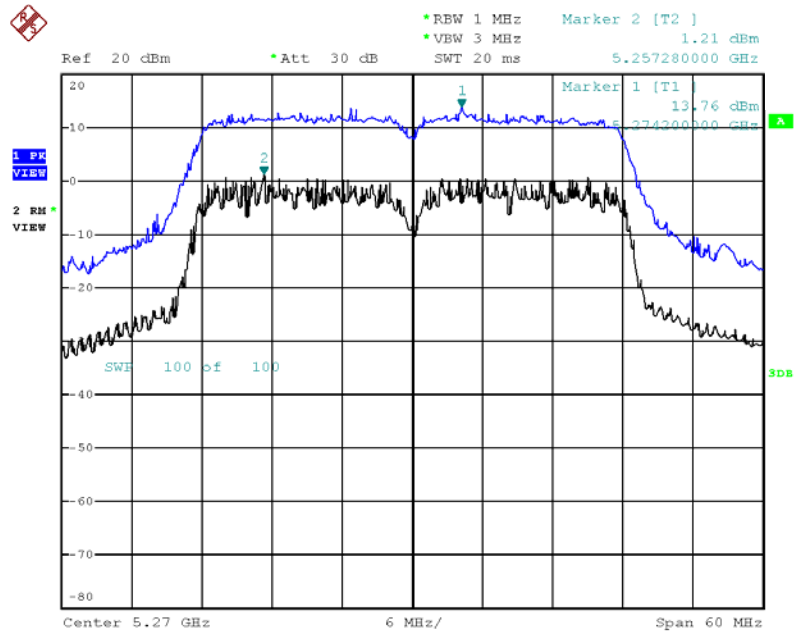
Date: 9.JUL.2013 21:22:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5580 MHz



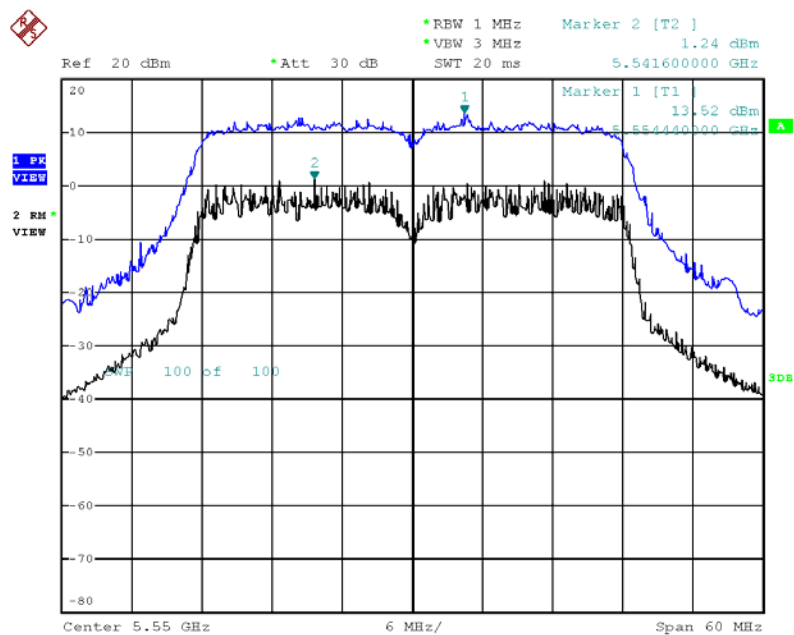
Date: 9.JUL.2013 21:52:52

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5270 MHz



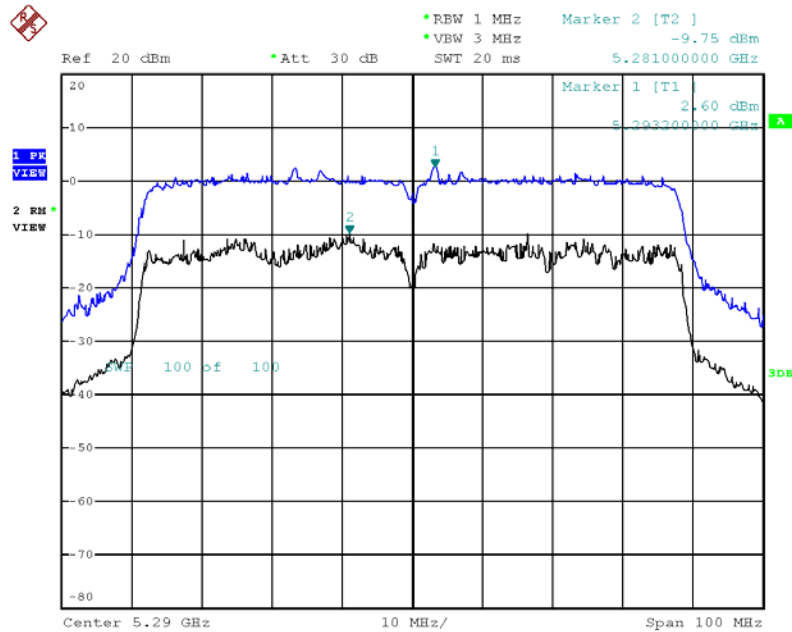
Date: 9.JUL.2013 22:04:50

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5550 MHz



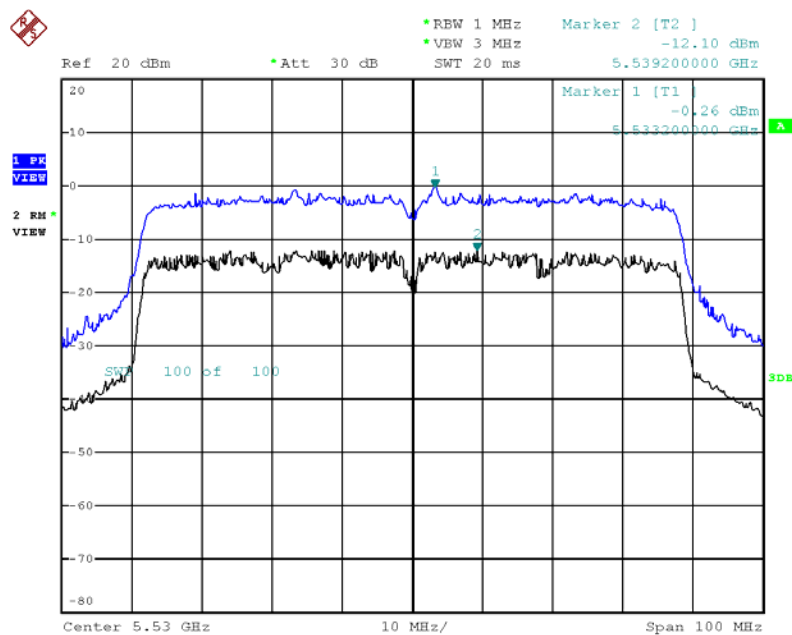
Date: 9.JUL.2013 22:12:30

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5290 MHz



Date: 9.JUL.2013 22:23:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80/ Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5530 MHz



Date: 9.JUL.2013 22:34:25

4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.25-5.35 GHz band shall not exceed a -27dBm peak limit or average 54dBuV/m and peak 74dBuV/m limits. For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.470-5.725 GHz band shall not exceed a -27dBm peak limit or average 54dBuV/m and peak 74dBuV/m limits. In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

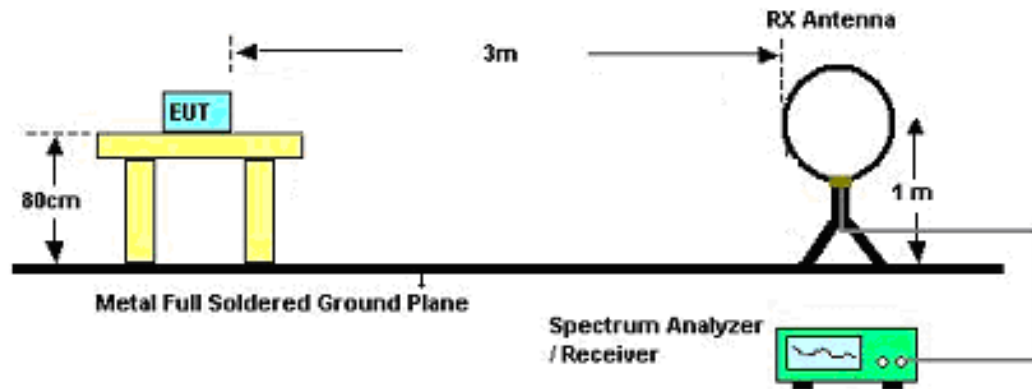
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

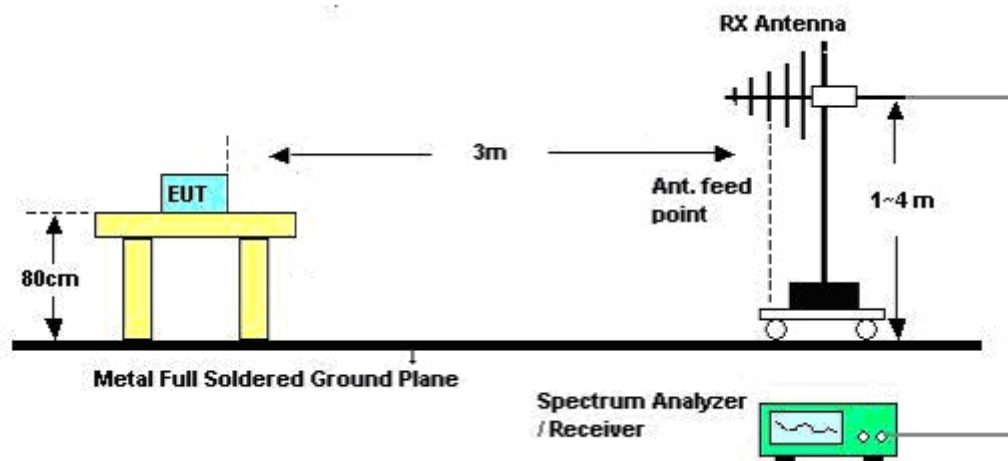
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.6.4. Test Setup Layout

For radiated emissions below 1GHz



For radiated emissions above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	24.5°C	Humidity	57%
Test Engineer	Jim Huang	Configurations	CTX
Test Date	May 11, 2013		

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

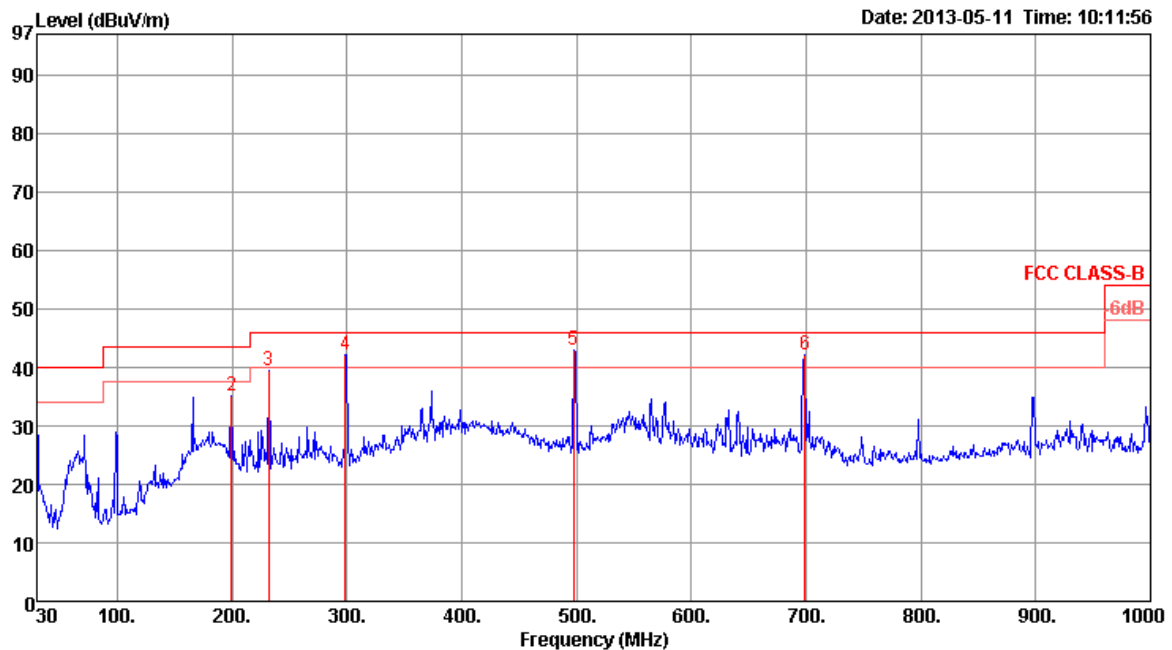
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

4.6.8. Results of Radiated Emissions (30MHz~1GHz)

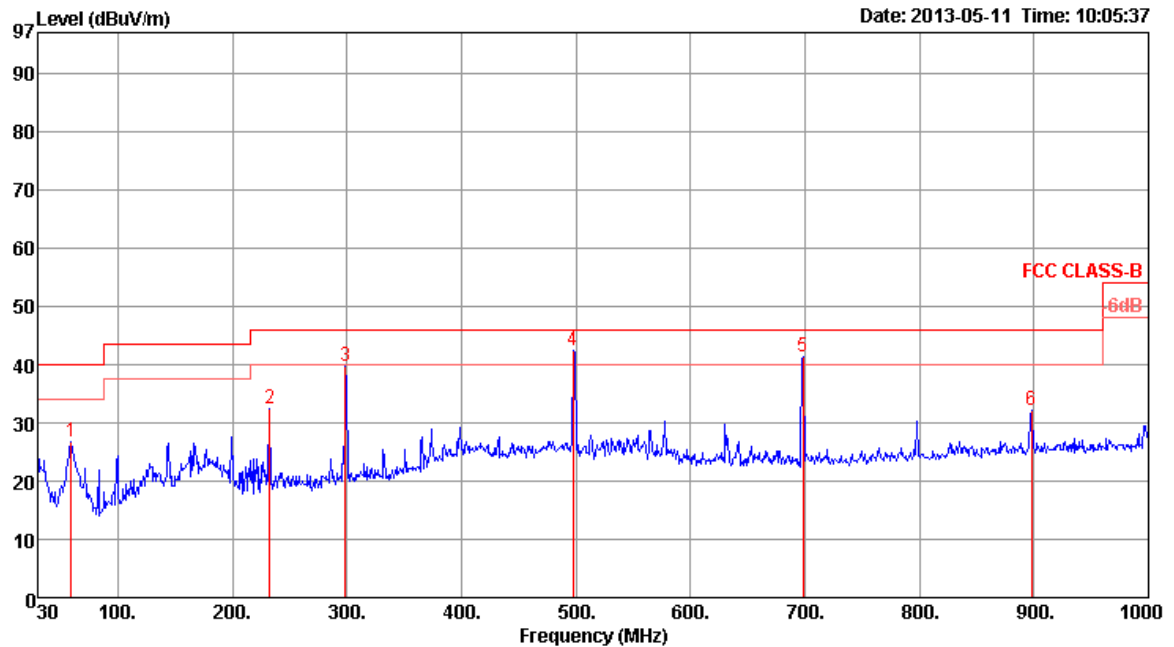
Temperature	24.5°C	Humidity	57%
Test Engineer	Jim Huang	Configurations	CTX

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	30.00	31.84	40.00	-8.16	40.27	0.61	18.76	27.80 Peak	400	0	HORIZONTAL
2	199.75	35.22	43.50	-8.28	51.61	1.66	9.05	27.10 Peak	400	0	HORIZONTAL
3	231.76	39.34	46.00	-6.66	53.23	1.74	11.41	27.04 Peak	400	0	HORIZONTAL
4	298.69	42.12	46.00	-3.88	53.64	2.03	13.35	26.90 Peak	400	0	HORIZONTAL
5	497.54	42.87	46.00	-3.13	50.72	2.66	17.58	28.09 Peak	400	0	HORIZONTAL
6	699.30	42.27	46.00	-3.73	48.08	3.10	19.09	28.00 Peak	400	0	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
1	59.10	26.81	40.00	-13.19	46.72	0.90	6.95	27.76	Peak	400	0	VERTICAL
2	232.73	32.47	46.00	-13.53	46.28	1.74	11.48	27.03	Peak	400	0	VERTICAL
3	298.69	39.72	46.00	-6.28	51.24	2.03	13.35	26.90	Peak	400	0	VERTICAL
4	497.54	42.35	46.00	-3.65	50.20	2.66	17.58	28.09	Peak	400	0	VERTICAL
5	698.33	41.47	46.00	-4.53	47.29	3.10	19.08	28.00	Peak	400	0	VERTICAL
6	898.15	32.16	46.00	-13.84	35.50	3.54	20.52	27.40	Peak	400	0	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch52 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15771.32	52.15	74.00	-21.85	44.01	6.14	37.42	35.42	Peak	100	154	HORIZONTAL
2	15789.00	39.16	54.00	-14.84	31.03	6.14	37.41	35.42	Average	100	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15775.56	39.35	54.00	-14.65	31.21	6.14	37.42	35.42	Average	100	59	VERTICAL
2	15782.08	51.88	74.00	-22.12	43.75	6.14	37.41	35.42	Peak	100	59	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch56 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15838.00	51.18	74.00	-22.82	43.12	6.14	37.36	35.44	Peak	100	300 HORIZONTAL
2	15848.32	38.62	54.00	-15.38	30.59	6.14	37.34	35.45	Average	100	300 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15848.68	50.86	74.00	-23.14	42.83	6.14	37.34	35.45	Peak	101	203 VERTICAL
2	15849.44	38.55	54.00	-15.45	30.52	6.14	37.34	35.45	Average	101	203 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch60 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10603.16	48.28	74.00	-25.72	40.31	5.01	38.38	35.42	Peak	100	169 HORIZONTAL
2	10604.36	36.12	54.00	-17.88	28.15	5.01	38.38	35.42	Average	100	169 HORIZONTAL
3	15894.44	40.23	54.00	-13.77	32.22	6.15	37.30	35.44	Average	100	115 HORIZONTAL
4	15903.08	52.64	74.00	-21.36	44.64	6.15	37.29	35.44	Peak	100	115 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10603.20	48.62	74.00	-25.38	40.65	5.01	38.38	35.42	Peak	100	119 VERTICAL
2	10604.36	36.20	54.00	-17.80	28.23	5.01	38.38	35.42	Average	100	119 VERTICAL
3	15898.08	52.64	74.00	-21.36	44.64	6.15	37.29	35.44	Peak	100	33 VERTICAL
4	15906.44	39.91	54.00	-14.09	31.91	6.15	37.29	35.44	Average	100	33 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch64 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10635.56	48.42	74.00	-25.58	40.43	5.01	38.37	35.39	100	316	HORIZONTAL
2	10642.84	35.67	54.00	-18.33	27.68	5.01	38.37	35.39	100	316	HORIZONTAL
3	15950.72	51.85	74.00	-22.15	43.91	6.15	37.23	35.44	100	259	HORIZONTAL
4	15960.12	39.40	54.00	-14.60	31.46	6.15	37.23	35.44	100	259	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10631.48	35.65	54.00	-18.35	27.66	5.01	38.37	35.39	100	228	VERTICAL
2	10636.00	48.15	74.00	-25.85	40.16	5.01	38.37	35.39	100	228	VERTICAL
3	15953.12	52.90	74.00	-21.10	44.96	6.15	37.23	35.44	100	317	VERTICAL
4	15963.44	39.39	54.00	-14.61	31.45	6.15	37.23	35.44	100	317	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch100 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10993.68	35.78	54.00	-18.22	27.55	5.01	38.32	35.10	Average	100	292	HORIZONTAL
2	11009.36	49.00	74.00	-25.00	40.76	5.02	38.33	35.11	Peak	100	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10992.08	48.85	74.00	-25.15	40.64	5.01	38.30	35.10	Peak	100	230	VERTICAL
2	11009.40	35.79	54.00	-18.21	27.56	5.02	38.32	35.11	Average	100	230	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch116 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11152.80	36.36	54.00	-17.64	28.03	5.04	38.45	35.16	Average	100	261	HORIZONTAL
2	11164.24	48.76	74.00	-25.24	40.41	5.05	38.47	35.17	Peak	100	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11153.96	50.21	74.00	-23.79	41.88	5.04	38.45	35.16	Peak	100	325	VERTICAL
2	11159.68	37.21	54.00	-16.79	28.87	5.04	38.47	35.17	Average	100	325	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch140 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11406.44	36.54	54.00	-17.46	27.99	5.10	38.70	35.25	Average	100	233	HORIZONTAL
2	11407.44	48.85	74.00	-25.15	40.30	5.10	38.70	35.25	Peak	100	233	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11398.04	36.67	54.00	-17.33	28.12	5.10	38.70	35.25	Average	100	288	VERTICAL
2	11408.52	49.08	74.00	-24.92	40.53	5.10	38.70	35.25	Peak	100	288	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch54 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15801.56	39.42	54.00	-14.58	31.32	6.14	37.39	35.43	Average	100	158 HORIZONTAL
2	15810.64	51.62	74.00	-22.38	43.54	6.14	37.37	35.43	Peak	100	158 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15803.48	39.44	54.00	-14.56	31.34	6.14	37.39	35.43	Average	100	275 VERTICAL
2	15804.84	52.62	74.00	-21.38	44.52	6.14	37.39	35.43	Peak	100	275 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 62 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10615.32	48.64	74.00	-25.36	40.67	5.01	38.38	35.42	Peak	100	254 HORIZONTAL
2	10620.88	35.90	54.00	-18.10	27.93	5.01	38.38	35.42	Average	100	254 HORIZONTAL
3	15923.44	39.44	54.00	-14.56	31.46	6.15	37.27	35.44	Average	100	153 HORIZONTAL
4	15939.12	51.70	74.00	-22.30	43.74	6.15	37.25	35.44	Peak	100	153 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10610.08	35.82	54.00	-18.18	27.85	5.01	38.38	35.42	Average	100	119 VERTICAL
2	10612.24	48.63	74.00	-25.37	40.66	5.01	38.38	35.42	Peak	100	119 VERTICAL
3	15922.12	52.44	74.00	-21.56	44.46	6.15	37.27	35.44	Peak	100	37 VERTICAL
4	15928.32	39.36	54.00	-14.64	31.38	6.15	37.27	35.44	Average	100	37 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch102 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11025.68	49.23	74.00	-24.77	40.98	5.02	38.34	35.11	Peak	100	221 HORIZONTAL
2	11026.20	35.99	54.00	-18.01	27.74	5.02	38.34	35.11	Average	100	221 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11023.00	35.97	54.00	-18.03	27.73	5.02	38.33	35.11	Average	100	121 VERTICAL
2	11029.32	48.50	74.00	-25.50	40.26	5.02	38.33	35.11	Peak	100	121 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch110 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11096.20	49.56	74.00	-24.44	41.27	5.03	38.40	35.14	Peak	100	303 HORIZONTAL
2	11100.12	36.86	54.00	-17.14	28.57	5.03	38.40	35.14	Average	100	303 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11094.16	36.84	54.00	-17.16	28.55	5.03	38.40	35.14	Average	100	304 VERTICAL
2	11100.36	49.47	74.00	-24.53	41.18	5.03	38.40	35.14	Peak	100	304 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch134 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11344.04	48.81	74.00	-25.19	40.33	5.09	38.63	35.24	Peak	100	227 HORIZONTAL
2	11347.72	36.42	54.00	-17.58	27.92	5.09	38.65	35.24	Average	100	227 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11348.56	36.45	54.00	-17.55	27.95	5.09	38.65	35.24	Average	100	180 VERTICAL
2	11348.84	48.65	74.00	-25.35	40.15	5.09	38.65	35.24	Peak	100	180 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch58 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15880.24	52.12	74.00	-21.88	44.11	6.15	37.30	35.44	Peak	100	258 HORIZONTAL
2	15880.56	39.69	54.00	-14.31	31.68	6.15	37.30	35.44	Average	100	258 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15874.64	51.71	74.00	-22.29	43.69	6.14	37.32	35.44	Peak	100	344 VERTICAL
2	15876.40	39.49	54.00	-14.51	31.47	6.14	37.32	35.44	Average	100	344 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 106 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11078.24	36.88	54.00	-17.12	28.60	5.03	38.38	35.13	Average	100	291	HORIZONTAL
2	11094.56	49.94	74.00	-24.06	41.65	5.03	38.40	35.14	Peak	100	291	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11090.24	36.68	54.00	-17.32	28.41	5.03	38.38	35.14	Average	100	263	VERTICAL
2	11099.36	49.35	74.00	-24.65	41.06	5.03	38.40	35.14	Peak	100	263	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch52 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15773.88	51.67	74.00	-22.33	43.53	6.14	37.42	35.42	Peak	100	183 HORIZONTAL
2	15789.88	39.03	54.00	-14.97	30.90	6.14	37.41	35.42	Average	100	183 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15774.32	51.38	74.00	-22.62	43.24	6.14	37.42	35.42	Peak	100	305 VERTICAL
2	15786.28	39.23	54.00	-14.77	31.10	6.14	37.41	35.42	Average	100	305 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch56 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15848.40	38.70	54.00	-15.30	30.67	6.14	37.34	35.45	Average	100	284 HORIZONTAL
2	15848.68	50.88	74.00	-23.12	42.85	6.14	37.34	35.45	Peak	100	284 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15832.08	51.42	74.00	-22.58	43.36	6.14	37.36	35.44	Peak	100	194 VERTICAL
2	15849.52	38.66	54.00	-15.34	30.63	6.14	37.34	35.45	Average	100	194 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch60 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10600.04	48.56	74.00	-25.44	40.59	5.01	38.38	35.42	Peak	100	162 HORIZONTAL
2	10606.00	35.91	54.00	-18.09	27.94	5.01	38.38	35.42	Average	100	162 HORIZONTAL
3	15891.36	39.56	54.00	-14.44	31.55	6.15	37.30	35.44	Average	100	263 HORIZONTAL
4	15901.32	51.39	74.00	-22.61	43.39	6.15	37.29	35.44	Peak	100	263 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10590.88	36.19	54.00	-17.81	28.24	5.01	38.38	35.44	Average	100	141 VERTICAL
2	10606.08	48.79	74.00	-25.21	40.82	5.01	38.38	35.42	Peak	100	141 VERTICAL
3	15892.52	52.08	74.00	-21.92	44.07	6.15	37.30	35.44	Peak	100	270 VERTICAL
4	15902.20	39.50	54.00	-14.50	31.50	6.15	37.29	35.44	Average	100	270 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch64 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10631.40	35.38	54.00	-18.62	27.39	5.01	38.37	35.39	Average	100	203 HORIZONTAL
2	10642.72	48.18	74.00	-25.82	40.19	5.01	38.37	35.39	Peak	100	203 HORIZONTAL
3	15953.96	39.23	54.00	-14.77	31.29	6.15	37.23	35.44	Average	100	302 HORIZONTAL
4	15956.96	52.09	74.00	-21.91	44.15	6.15	37.23	35.44	Peak	100	302 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10631.52	35.46	54.00	-18.54	27.47	5.01	38.37	35.39	Average	100	100 VERTICAL
2	10646.72	47.87	74.00	-26.13	39.88	5.01	38.37	35.39	Peak	100	100 VERTICAL
3	15957.40	39.31	54.00	-14.69	31.37	6.15	37.23	35.44	Average	100	207 VERTICAL
4	15958.56	51.62	74.00	-22.38	43.68	6.15	37.23	35.44	Peak	100	207 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch100 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11002.96	48.22	74.00	-25.78	39.99	5.01	38.32	35.10	Peak	100	274 HORIZONTAL
2	11010.00	35.66	54.00	-18.34	27.42	5.02	38.33	35.11	Average	100	274 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11007.00	35.70	54.00	-18.30	27.48	5.01	38.32	35.11	Average	100	155 VERTICAL
2	11008.60	47.45	74.00	-26.55	39.23	5.01	38.32	35.11	Peak	100	155 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch116 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11155.04	55.95	74.00	-18.05	47.62	5.04	38.45	35.16	132	68	HORIZONTAL
2	11156.76	41.53	54.00	-12.47	33.20	5.04	38.45	35.16	132	68	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11158.08	51.86	74.00	-22.14	43.53	5.04	38.45	35.16	100	127	VERTICAL
2	11160.76	38.60	54.00	-15.40	30.26	5.04	38.47	35.17	100	127	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch140 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11396.84	48.97	74.00	-25.03	40.44	5.10	38.68	35.25	Peak	100	161	HORIZONTAL
2	11403.28	36.59	54.00	-17.41	28.04	5.10	38.70	35.25	Average	100	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11395.26	49.05	74.00	-24.95	40.52	5.10	38.68	35.25	Peak	100	252	VERTICAL
2	11397.12	36.59	54.00	-17.41	28.04	5.10	38.70	35.25	Average	100	252	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch54 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15805.34	39.07	54.00	-14.93	30.97	6.14	37.39	35.43	Average	100	234 HORIZONTAL
2	15808.90	51.36	74.00	-22.64	43.26	6.14	37.39	35.43	Peak	100	234 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15805.18	39.11	54.00	-14.89	31.01	6.14	37.39	35.43	Average	100	151 VERTICAL
2	15808.02	51.52	74.00	-22.48	43.42	6.14	37.39	35.43	Peak	100	151 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 62 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10617.00	48.01	74.00	-25.99	40.04	5.01	38.38	35.42	Peak	100	179 HORIZONTAL
2	10622.12	35.90	54.00	-18.10	27.93	5.01	38.38	35.42	Average	100	179 HORIZONTAL
3	15929.02	39.09	54.00	-14.91	31.11	6.15	37.27	35.44	Average	100	265 HORIZONTAL
4	15932.80	52.12	74.00	-21.88	44.16	6.15	37.25	35.44	Peak	100	265 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10622.64	48.42	74.00	-25.58	40.45	5.01	38.38	35.42	Peak	100	114 VERTICAL
2	10624.14	35.87	54.00	-18.13	27.87	5.01	38.38	35.39	Average	100	114 VERTICAL
3	15925.64	39.04	54.00	-14.96	31.06	6.15	37.27	35.44	Average	100	177 VERTICAL
4	15926.32	52.21	74.00	-21.79	44.23	6.15	37.27	35.44	Peak	100	177 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch102 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11016.62	48.40	74.00	-25.60	40.16	5.02	38.33	35.11	100	86	HORIZONTAL
2	11018.68	35.91	54.00	-18.09	27.67	5.02	38.33	35.11	100	86	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11018.64	35.83	54.00	-18.17	27.60	5.02	38.32	35.11	100	172	VERTICAL
2	11021.84	48.27	74.00	-25.73	40.04	5.02	38.32	35.11	100	172	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch110 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11098.74	49.08	74.00	-24.92	40.79	5.03	38.40	35.14	Peak	100	163 HORIZONTAL
2	11099.80	37.21	54.00	-16.79	28.92	5.03	38.40	35.14	Average	100	163 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11095.82	37.42	54.00	-16.58	29.13	5.03	38.40	35.14	Average	100	262 VERTICAL
2	11099.92	49.18	74.00	-24.82	40.89	5.03	38.40	35.14	Peak	100	262 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch134 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11342.92	36.65	54.00	-17.35	28.17	5.09	38.63	35.24	Average	100	60	HORIZONTAL
2	11344.64	50.04	74.00	-23.96	41.56	5.09	38.63	35.24	Peak	100	60	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11337.84	49.19	74.00	-24.81	40.72	5.08	38.63	35.24	Peak	100	144	VERTICAL
2	11343.40	36.74	54.00	-17.26	28.26	5.09	38.63	35.24	Average	100	144	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch58 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15865.90	38.82	54.00	-15.18	30.81	6.14	37.32	35.45	Average	100	149 HORIZONTAL
2	15867.64	52.31	74.00	-21.69	44.30	6.14	37.32	35.45	Peak	100	149 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15865.16	51.52	74.00	-22.48	43.51	6.14	37.32	35.45	Peak	100	243 VERTICAL
2	15868.20	38.87	54.00	-15.13	30.86	6.14	37.32	35.45	Average	100	243 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 106 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11058.38	48.73	74.00	-25.27	40.47	5.02	38.37	35.13	100	231	HORIZONTAL
2	11064.86	36.30	54.00	-17.70	28.03	5.03	38.37	35.13	100	231	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11057.64	49.22	74.00	-24.78	40.96	5.02	38.37	35.13	100	310	VERTICAL
2	11062.80	36.23	54.00	-17.77	27.96	5.03	38.37	35.13	100	310	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch52 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15772.28	52.55	74.00	-21.45	44.41	6.14	37.42	35.42	Peak	100	139	HORIZONTAL
2	15786.12	39.27	54.00	-14.73	31.14	6.14	37.41	35.42	Average	100	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15774.04	39.27	54.00	-14.73	31.13	6.14	37.42	35.42	Average	100	236	VERTICAL
2	15774.24	51.50	74.00	-22.50	43.36	6.14	37.42	35.42	Peak	100	236	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch56 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15843.44	38.65	54.00	-15.35	30.60	6.14	37.36	35.45	Average	100	233 HORIZONTAL
2	15848.60	51.15	74.00	-22.85	43.12	6.14	37.34	35.45	Peak	100	233 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15837.52	51.30	74.00	-22.70	43.24	6.14	37.36	35.44	Peak	100	127 VERTICAL
2	15849.96	38.57	54.00	-15.43	30.54	6.14	37.34	35.45	Average	100	127 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch60 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10600.04	36.28	54.00	-17.72	28.31	5.01	38.38	35.42	Average	100	256 HORIZONTAL
2	10600.88	48.43	74.00	-25.57	40.46	5.01	38.38	35.42	Peak	100	256 HORIZONTAL
3	15895.88	39.51	54.00	-14.49	31.51	6.15	37.29	35.44	Average	100	182 HORIZONTAL
4	15900.00	52.60	74.00	-21.40	44.60	6.15	37.29	35.44	Peak	100	182 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10598.16	36.48	54.00	-17.52	28.51	5.01	38.38	35.42	Average	100	195 VERTICAL
2	10599.76	48.56	74.00	-25.44	40.59	5.01	38.38	35.42	Peak	100	195 VERTICAL
3	15890.28	39.59	54.00	-14.41	31.58	6.15	37.30	35.44	Average	100	101 VERTICAL
4	15908.36	51.75	74.00	-22.25	43.75	6.15	37.29	35.44	Peak	100	101 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch64 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10638.72	35.66	54.00	-18.34	27.67	5.01	38.37	35.39	Average	100	238	HORIZONTAL
2	10639.64	47.57	74.00	-26.43	39.58	5.01	38.37	35.39	Peak	100	238	HORIZONTAL
3	15964.52	39.18	54.00	-14.82	31.25	6.15	37.22	35.44	Average	100	320	HORIZONTAL
4	15965.44	51.27	74.00	-22.73	43.34	6.15	37.22	35.44	Peak	100	320	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10636.04	47.38	74.00	-26.62	39.39	5.01	38.37	35.39	Peak	100	144	VERTICAL
2	10637.60	35.64	54.00	-18.36	27.65	5.01	38.37	35.39	Average	100	144	VERTICAL
3	15956.68	38.99	54.00	-15.01	31.05	6.15	37.23	35.44	Average	100	242	VERTICAL
4	15958.88	50.73	74.00	-23.27	42.79	6.15	37.23	35.44	Peak	100	242	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch100 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11005.44	35.79	54.00	-18.21	27.56	5.01	38.33	35.11	Average	100	249	HORIZONTAL
2	11007.40	47.55	74.00	-26.45	39.32	5.01	38.33	35.11	Peak	100	249	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11005.76	35.75	54.00	-18.25	27.53	5.01	38.32	35.11	Average	100	162	VERTICAL
2	11007.32	48.44	74.00	-25.56	40.22	5.01	38.32	35.11	Peak	100	162	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch116 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11158.64	53.71	74.00	-20.29	45.37	5.04	38.47	35.17	Peak	148	69 HORIZONTAL
2	11160.28	39.56	54.00	-14.44	31.22	5.04	38.47	35.17	Average	148	69 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11160.40	40.05	54.00	-13.95	31.71	5.04	38.47	35.17	Average	146	22 VERTICAL
2	11161.32	55.99	74.00	-18.01	47.65	5.04	38.47	35.17	Peak	146	22 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch140 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	11406.12	48.72	74.00	-25.28	40.17	5.10	38.70	35.25	100	207	HORIZONTAL
2	11409.64	36.54	54.00	-17.46	27.99	5.10	38.70	35.25	100	207	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	11403.32	36.64	54.00	-17.36	28.09	5.10	38.70	35.25	100	288	VERTICAL
2	11404.28	50.08	74.00	-23.92	41.53	5.10	38.70	35.25	100	288	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch54 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15805.00	52.59	74.00	-21.41	44.49	6.14	37.39	35.43	Peak	100	137	HORIZONTAL
2	15810.92	39.40	54.00	-14.60	31.32	6.14	37.37	35.43	Average	100	137	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15807.88	39.07	54.00	-14.93	30.97	6.14	37.39	35.43	Average	100	231	VERTICAL
2	15808.08	51.56	74.00	-22.44	43.46	6.14	37.39	35.43	Peak	100	231	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 62 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10612.72	35.75	54.00	-18.25	27.78	5.01	38.38	35.42	Average	100	273 HORIZONTAL
2	10625.24	48.34	74.00	-25.66	40.34	5.01	38.38	35.39	Peak	100	273 HORIZONTAL
3	15922.52	39.11	54.00	-14.89	31.13	6.15	37.27	35.44	Average	100	188 HORIZONTAL
4	15938.84	51.92	74.00	-22.08	43.96	6.15	37.25	35.44	Peak	100	188 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10614.44	35.84	54.00	-18.16	27.87	5.01	38.38	35.42	Average	100	164 VERTICAL
2	10614.92	47.71	74.00	-26.29	39.74	5.01	38.38	35.42	Peak	100	164 VERTICAL
3	15922.60	39.21	54.00	-14.79	31.23	6.15	37.27	35.44	Average	100	90 VERTICAL
4	15924.04	51.33	74.00	-22.67	43.35	6.15	37.27	35.44	Peak	100	90 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch102 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11026.80	35.79	54.00	-18.21	27.54	5.02	38.34	35.11	Average	100	271 HORIZONTAL
2	11028.00	48.27	74.00	-25.73	40.02	5.02	38.34	35.11	Peak	100	271 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11018.28	35.80	54.00	-18.20	27.57	5.02	38.32	35.11	Average	100	178 VERTICAL
2	11019.32	47.87	74.00	-26.13	39.64	5.02	38.32	35.11	Peak	100	178 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch110 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11095.72	48.64	74.00	-25.36	40.35	5.03	38.40	35.14	Peak	100	213 HORIZONTAL
2	11098.72	36.91	54.00	-17.09	28.62	5.03	38.40	35.14	Average	100	213 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11098.08	37.32	54.00	-16.68	29.03	5.03	38.40	35.14	Average	100	134 VERTICAL
2	11103.20	50.62	74.00	-23.38	42.33	5.03	38.40	35.14	Peak	100	134 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch134 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11340.56	48.98	74.00	-25.02	40.50	5.09	38.63	35.24	100	165	HORIZONTAL
2	11347.80	36.35	54.00	-17.65	27.85	5.09	38.65	35.24	100	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11338.24	48.57	74.00	-25.43	40.10	5.08	38.63	35.24	100	78	VERTICAL
2	11344.12	36.82	54.00	-17.18	28.34	5.09	38.63	35.24	100	78	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch58 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15870.52	51.12	74.00	-22.88	43.10	6.14	37.32	35.44	Peak	100	151 HORIZONTAL
2	15879.00	38.79	54.00	-15.21	30.79	6.14	37.30	35.44	Average	100	151 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15878.84	51.18	74.00	-22.82	43.18	6.14	37.30	35.44	Peak	100	249 VERTICAL
2	15879.04	39.01	54.00	-14.99	31.01	6.14	37.30	35.44	Average	100	249 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 106 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11059.44	36.10	54.00	-17.90	27.84	5.02	38.37	35.13	Average	100	196 HORIZONTAL
2	11064.60	48.43	74.00	-25.57	40.16	5.03	38.37	35.13	Peak	100	196 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11063.76	48.08	74.00	-25.92	39.81	5.03	38.37	35.13	Peak	100	271 VERTICAL
2	11069.60	36.31	54.00	-17.69	28.04	5.03	38.37	35.13	Average	100	271 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch52 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15770.19	36.94	54.00	-17.06	28.80	6.14	37.42	35.42	Average	100	310	HORIZONTAL
2	15772.02	49.00	74.00	-25.00	40.86	6.14	37.42	35.42	Peak	100	310	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15775.42	37.35	54.00	-16.65	29.21	6.14	37.42	35.42	Average	100	224	VERTICAL
2	15786.70	49.16	74.00	-24.84	41.03	6.14	37.41	35.42	Peak	100	224	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch56 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15835.16	38.69	54.00	-15.31	30.63	6.14	37.36	35.44	100	290	HORIZONTAL
2	15849.96	51.07	74.00	-22.93	43.04	6.14	37.34	35.45	100	290	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15841.88	38.57	54.00	-15.43	30.51	6.14	37.36	35.44	100	193	VERTICAL
2	15841.96	51.07	74.00	-22.93	43.01	6.14	37.36	35.44	100	193	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch60 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10600.22	37.31	54.00	-16.69	29.34	5.01	38.38	35.42	Average	100	49 HORIZONTAL
2	10603.14	49.79	74.00	-24.21	41.82	5.01	38.38	35.42	Peak	100	49 HORIZONTAL
3	15896.70	48.91	74.00	-25.09	40.91	6.15	37.29	35.44	Peak	100	169 HORIZONTAL
4	15898.69	37.10	54.00	-16.90	29.10	6.15	37.29	35.44	Average	100	169 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10600.77	49.48	74.00	-24.52	41.51	5.01	38.38	35.42	Peak	100	139 VERTICAL
2	10604.68	37.61	54.00	-16.39	29.64	5.01	38.38	35.42	Average	100	139 VERTICAL
3	15897.08	37.18	54.00	-16.82	29.18	6.15	37.29	35.44	Average	100	294 VERTICAL
4	15900.99	49.83	74.00	-24.17	41.83	6.15	37.29	35.44	Peak	100	294 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch64 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10648.04	36.67	54.00	-17.33	28.68	5.01	38.37	35.39	Average	100	65 HORIZONTAL
2	10649.49	49.20	74.00	-24.80	41.19	5.01	38.37	35.37	Peak	100	65 HORIZONTAL
3	15955.22	36.51	54.00	-17.49	28.57	6.15	37.23	35.44	Average	100	147 HORIZONTAL
4	15968.17	49.47	74.00	-24.53	41.54	6.15	37.22	35.44	Peak	100	147 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10639.94	49.39	74.00	-24.61	41.40	5.01	38.37	35.39	Peak	100	173 VERTICAL
2	10642.88	36.70	54.00	-17.30	28.71	5.01	38.37	35.39	Average	100	173 VERTICAL
3	15951.54	36.67	54.00	-17.33	28.73	6.15	37.23	35.44	Average	100	252 VERTICAL
4	15953.75	49.56	74.00	-24.44	41.62	6.15	37.23	35.44	Peak	100	252 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch100 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10990.64	49.17	74.00	-24.83	40.94	5.01	38.32	35.10	Peak	100	88 HORIZONTAL
2	11000.64	36.84	54.00	-17.16	28.61	5.01	38.32	35.10	Average	100	88 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11002.92	50.61	74.00	-23.39	42.40	5.01	38.30	35.10	Peak	100	182 VERTICAL
2	11009.46	36.65	54.00	-17.35	28.42	5.02	38.32	35.11	Average	100	182 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch116 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11164.33	38.96	54.00	-15.04	30.61	5.05	38.47	35.17	Average	100	298	HORIZONTAL
2	11167.21	50.89	74.00	-23.11	42.54	5.05	38.47	35.17	Peak	100	298	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11161.28	40.02	54.00	-13.98	31.68	5.04	38.47	35.17	Average	100	40	VERTICAL
2	11163.29	52.37	74.00	-21.63	44.02	5.05	38.47	35.17	Peak	100	40	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch140 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11401.06	49.89	74.00	-24.11	41.34	5.10	38.70	35.25	Peak	100	303	HORIZONTAL
2	11405.51	37.07	54.00	-16.93	28.52	5.10	38.70	35.25	Average	100	303	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11397.31	49.54	74.00	-24.46	40.99	5.10	38.70	35.25	Peak	100	190	VERTICAL
2	11405.00	37.05	54.00	-16.95	28.50	5.10	38.70	35.25	Average	100	190	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch54 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15804.90	48.83	74.00	-25.17	40.73	6.14	37.39	35.43	Peak	100	201 HORIZONTAL
2	15811.28	35.74	54.00	-18.26	27.66	6.14	37.37	35.43	Average	100	201 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15812.15	37.26	54.00	-16.74	29.18	6.14	37.37	35.43	Average	100	87 VERTICAL
2	15817.60	49.29	74.00	-24.71	41.21	6.14	37.37	35.43	Peak	100	87 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 62 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10611.96	36.72	54.00	-17.28	28.75	5.01	38.38	35.42	Average	100	168 HORIZONTAL
2	10613.97	49.49	74.00	-24.51	41.52	5.01	38.38	35.42	Peak	100	168 HORIZONTAL
3	15937.24	36.50	54.00	-17.50	28.54	6.15	37.25	35.44	Average	100	310 HORIZONTAL
4	15939.62	48.92	74.00	-25.08	40.96	6.15	37.25	35.44	Peak	100	310 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10622.08	49.74	74.00	-24.26	41.77	5.01	38.38	35.42	Peak	100	96 VERTICAL
2	10622.18	36.74	54.00	-17.26	28.77	5.01	38.38	35.42	Average	100	96 VERTICAL
3	15927.76	49.30	74.00	-24.70	41.32	6.15	37.27	35.44	Peak	100	180 VERTICAL
4	15939.20	36.46	54.00	-17.54	28.50	6.15	37.25	35.44	Average	100	180 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch102 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11014.74	36.59	54.00	-17.41	28.35	5.02	38.33	35.11	Average	100	135	HORIZONTAL
2	11016.57	49.94	74.00	-24.06	41.70	5.02	38.33	35.11	Peak	100	135	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11013.75	36.77	54.00	-17.23	28.54	5.02	38.32	35.11	Average	100	269	VERTICAL
2	11014.65	49.17	74.00	-24.83	40.94	5.02	38.32	35.11	Peak	100	269	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch110 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11094.39	49.37	74.00	-24.63	41.08	5.03	38.40	35.14	Peak	100	284 HORIZONTAL
2	11105.51	36.94	54.00	-17.06	28.65	5.03	38.40	35.14	Average	100	284 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11095.90	49.92	74.00	-24.08	41.63	5.03	38.40	35.14	Peak	100	264 VERTICAL
2	11099.78	37.19	54.00	-16.81	28.90	5.03	38.40	35.14	Average	100	264 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch134 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11339.42	49.29	74.00	-24.71	40.82	5.08	38.63	35.24	Peak	100	231 HORIZONTAL
2	11344.36	37.41	54.00	-16.59	28.93	5.09	38.63	35.24	Average	100	231 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11340.42	37.86	54.00	-16.14	29.38	5.09	38.63	35.24	Average	100	90 VERTICAL
2	11346.73	49.44	74.00	-24.56	40.94	5.09	38.65	35.24	Peak	100	90 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch58 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15868.85	49.68	74.00	-24.32	41.67	6.14	37.32	35.45	Peak	100	200 HORIZONTAL
2	15877.47	36.96	54.00	-17.04	28.94	6.14	37.32	35.44	Average	100	200 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15871.03	37.08	54.00	-16.92	29.06	6.14	37.32	35.44	Average	100	100 VERTICAL
2	15875.16	49.42	74.00	-24.58	41.40	6.14	37.32	35.44	Peak	100	100 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 106 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11065.35	37.07	54.00	-16.93	28.80	5.03	38.37	35.13	Average	100	266	HORIZONTAL
2	11067.72	49.72	74.00	-24.28	41.45	5.03	38.37	35.13	Peak	100	266	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11050.74	37.21	54.00	-16.79	28.96	5.02	38.35	35.12	Average	100	157	VERTICAL
2	11053.27	50.01	74.00	-23.99	41.76	5.02	38.35	35.12	Peak	100	157	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch52 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15773.88	49.84	74.00	-24.16	41.70	6.14	37.42	35.42	Peak	100	286 HORIZONTAL
2	15774.62	37.38	54.00	-16.62	29.24	6.14	37.42	35.42	Average	100	286 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15779.58	37.89	54.00	-16.11	29.76	6.14	37.41	35.42	Average	100	167 VERTICAL
2	15786.41	49.61	74.00	-24.39	41.48	6.14	37.41	35.42	Peak	100	167 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch56 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15833.72	50.67	74.00	-23.33	42.61	6.14	37.36	35.44	Peak	100	133 HORIZONTAL
2	15847.40	38.62	54.00	-15.38	30.59	6.14	37.34	35.45	Average	100	133 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15834.36	51.14	74.00	-22.86	43.08	6.14	37.36	35.44	Peak	100	225 VERTICAL
2	15849.92	38.70	54.00	-15.30	30.67	6.14	37.34	35.45	Average	100	225 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch60 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10590.48	49.32	74.00	-24.68	41.37	5.01	38.38	35.44	Peak	100	322 HORIZONTAL
2	10598.43	36.08	54.00	-17.92	28.11	5.01	38.38	35.42	Average	100	322 HORIZONTAL
3	15899.62	49.46	74.00	-24.54	41.46	6.15	37.29	35.44	Peak	100	216 HORIZONTAL
4	15905.51	37.72	54.00	-16.28	29.72	6.15	37.29	35.44	Average	100	216 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10590.13	49.22	74.00	-24.78	41.27	5.01	38.38	35.44	Peak	100	267 VERTICAL
2	10591.99	36.15	54.00	-17.85	28.20	5.01	38.38	35.44	Average	100	267 VERTICAL
3	15895.42	38.54	54.00	-15.46	30.53	6.15	37.30	35.44	Average	100	83 VERTICAL
4	15897.53	51.55	74.00	-22.45	43.55	6.15	37.29	35.44	Peak	100	83 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch64 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10636.47	36.12	54.00	-17.88	28.13	5.01	38.37	35.39	Average	100	63 HORIZONTAL
2	10649.71	49.12	74.00	-24.88	41.11	5.01	38.37	35.37	Peak	100	63 HORIZONTAL
3	15952.15	36.65	54.00	-17.35	28.71	6.15	37.23	35.44	Average	100	272 HORIZONTAL
4	15962.47	49.78	74.00	-24.22	41.84	6.15	37.23	35.44	Peak	100	134 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10633.43	49.04	74.00	-24.96	41.05	5.01	38.37	35.39	Peak	100	118 VERTICAL
2	10638.56	35.95	54.00	-18.05	27.96	5.01	38.37	35.39	Average	100	118 VERTICAL
3	15950.77	48.87	74.00	-25.13	40.93	6.15	37.23	35.44	Peak	100	211 VERTICAL
4	15950.96	36.85	54.00	-17.15	28.91	6.15	37.23	35.44	Average	100	211 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch100 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10997.66	48.31	74.00	-25.69	40.08	5.01	38.32	35.10	Peak	100	126	HORIZONTAL
2	11000.93	36.05	54.00	-17.95	27.82	5.01	38.32	35.10	Average	100	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11002.66	35.90	54.00	-18.10	27.69	5.01	38.30	35.10	Average	100	278	VERTICAL
2	11003.49	49.30	74.00	-24.70	41.09	5.01	38.30	35.10	Peak	100	278	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch116 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11161.36	36.63	54.00	-17.37	28.29	5.04	38.47	35.17	Average	100	112	HORIZONTAL
2	11161.44	50.24	74.00	-23.76	41.90	5.04	38.47	35.17	Peak	100	112	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11153.11	38.07	54.00	-15.93	29.74	5.04	38.45	35.16	Average	100	287	VERTICAL
2	11167.21	49.16	74.00	-24.84	40.81	5.05	38.47	35.17	Peak	100	287	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch140 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11399.01	36.31	54.00	-17.69	27.76	5.10	38.70	35.25	Average	100	249 HORIZONTAL
2	11407.28	48.71	74.00	-25.29	40.16	5.10	38.70	35.25	Peak	100	249 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11391.47	48.73	74.00	-25.27	40.20	5.10	38.68	35.25	Peak	100	156 VERTICAL
2	11401.06	36.18	54.00	-17.82	27.63	5.10	38.70	35.25	Average	100	156 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch54 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15787.88	49.51	74.00	-24.49	41.38	6.14	37.41	35.42	Peak	100	247 HORIZONTAL
2	15816.81	37.03	54.00	-16.97	28.95	6.14	37.37	35.43	Average	100	247 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	15814.01	37.22	54.00	-16.78	29.14	6.14	37.37	35.43	Average	100	131 VERTICAL
2	15833.08	49.17	74.00	-24.83	41.11	6.14	37.36	35.44	Peak	100	131 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 62 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10616.47	36.37	54.00	-17.63	28.40	5.01	38.38	35.42	Average	100	202 HORIZONTAL
2	10621.52	48.95	74.00	-25.05	40.98	5.01	38.38	35.42	Peak	100	202 HORIZONTAL
3	15936.57	36.95	54.00	-17.05	28.99	6.15	37.25	35.44	Average	100	326 HORIZONTAL
4	15943.78	50.26	74.00	-23.74	42.30	6.15	37.25	35.44	Peak	100	326 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10622.96	36.39	54.00	-17.61	28.42	5.01	38.38	35.42	Average	100	173 VERTICAL
2	10630.34	48.95	74.00	-25.05	40.96	5.01	38.37	35.39	Peak	100	173 VERTICAL
3	15940.58	36.92	54.00	-17.08	28.96	6.15	37.25	35.44	Average	100	257 VERTICAL
4	15940.82	49.54	74.00	-24.46	41.58	6.15	37.25	35.44	Peak	100	257 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch102 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11027.37	36.08	54.00	-17.92	27.83	5.02	38.34	35.11	Average	100	103	HORIZONTAL
2	11032.82	48.22	74.00	-25.78	39.98	5.02	38.34	35.12	Peak	100	103	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	10999.17	48.38	74.00	-25.62	40.17	5.01	38.30	35.10	Peak	100	186	VERTICAL
2	11031.46	36.19	54.00	-17.81	27.96	5.02	38.33	35.12	Average	100	186	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch110 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11078.93	48.63	74.00	-25.37	40.35	5.03	38.38	35.13	Peak	100	232 HORIZONTAL
2	11102.08	36.54	54.00	-17.46	28.25	5.03	38.40	35.14	Average	100	232 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11096.39	36.52	54.00	-17.48	28.23	5.03	38.40	35.14	Average	100	151 VERTICAL
2	11110.74	48.91	74.00	-25.09	40.61	5.03	38.42	35.15	Peak	100	151 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch134 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11317.24	49.17	74.00	-24.83	40.70	5.08	38.62	35.23	Peak	100	210 HORIZONTAL
2	11337.52	36.85	54.00	-17.15	28.38	5.08	38.63	35.24	Average	100	210 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11332.39	36.84	54.00	-17.16	28.36	5.08	38.63	35.23	Average	100	319 VERTICAL
2	11340.08	49.25	74.00	-24.75	40.78	5.08	38.63	35.24	Peak	100	319 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch58 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15854.13	37.37	54.00	-16.63	29.34	6.14	37.34	35.45	Average	100	197 HORIZONTAL
2	15888.67	49.96	74.00	-24.04	41.95	6.15	37.30	35.44	Peak	100	197 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15866.47	37.54	54.00	-16.46	29.53	6.14	37.32	35.45	Average	100	315 VERTICAL
2	15870.48	50.11	74.00	-23.89	42.09	6.14	37.32	35.44	Peak	100	315 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 106 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11083.56	47.60	74.00	-26.40	39.33	5.03	38.38	35.14	Peak	100	197 HORIZONTAL
2	11084.84	36.04	54.00	-17.96	27.77	5.03	38.38	35.14	Average	100	197 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11066.09	36.02	54.00	-17.98	27.75	5.03	38.37	35.13	Average	100	118 VERTICAL
2	11071.22	48.42	74.00	-25.58	40.15	5.03	38.37	35.13	Peak	100	118 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch52 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15771.76	51.54	74.00	-22.46	43.40	6.14	37.42	35.42	Peak	100	163 HORIZONTAL
2	15778.84	39.94	54.00	-14.06	31.81	6.14	37.41	35.42	Average	100	163 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15781.52	53.73	74.00	-20.27	45.60	6.14	37.41	35.42	Peak	100	82 VERTICAL
2	15782.40	41.09	54.00	-12.91	32.96	6.14	37.41	35.42	Average	100	82 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch56 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15841.56	38.73	54.00	-15.27	30.67	6.14	37.36	35.44	Average	100	248	HORIZONTAL
2	15842.32	51.29	74.00	-22.71	43.23	6.14	37.36	35.44	Peak	100	248	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15840.04	51.33	74.00	-22.67	43.27	6.14	37.36	35.44	Peak	100	224	VERTICAL
2	15844.28	38.50	54.00	-15.50	30.45	6.14	37.36	35.45	Average	100	224	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch60 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10601.44	48.23	74.00	-25.77	40.26	5.01	38.38	35.42	Peak	100	209 HORIZONTAL
2	10601.84	35.87	54.00	-18.13	27.90	5.01	38.38	35.42	Average	100	209 HORIZONTAL
3	15907.24	39.09	54.00	-14.91	31.09	6.15	37.29	35.44	Average	100	123 HORIZONTAL
4	15910.00	51.32	74.00	-22.68	43.32	6.15	37.29	35.44	Peak	100	123 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10602.52	36.12	54.00	-17.88	28.15	5.01	38.38	35.42	Average	100	140 VERTICAL
2	10605.84	48.86	74.00	-25.14	40.89	5.01	38.38	35.42	Peak	100	140 VERTICAL
3	15891.00	39.40	54.00	-14.60	31.39	6.15	37.30	35.44	Average	100	203 VERTICAL
4	15901.04	51.30	74.00	-22.70	43.30	6.15	37.29	35.44	Peak	100	203 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch64 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	10630.04	35.33	54.00	-18.67	27.33	5.01	38.38	35.39 Average	100	223	HORIZONTAL
2	10645.76	47.67	74.00	-26.33	39.68	5.01	38.37	35.39 Peak	100	223	HORIZONTAL
3	15951.68	39.13	54.00	-14.87	31.19	6.15	37.23	35.44 Average	100	160	HORIZONTAL
4	15967.36	51.16	74.00	-22.84	43.23	6.15	37.22	35.44 Peak	100	160	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	10630.72	35.48	54.00	-18.52	27.49	5.01	38.37	35.39 Average	100	175	VERTICAL
2	10633.60	47.52	74.00	-26.48	39.53	5.01	38.37	35.39 Peak	100	175	VERTICAL
3	15952.24	51.66	74.00	-22.34	43.72	6.15	37.23	35.44 Peak	100	235	VERTICAL
4	15952.72	39.21	54.00	-14.79	31.27	6.15	37.23	35.44 Average	100	235	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch100 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10999.68	35.54	54.00	-18.46	27.31	5.01	38.32	35.10	Average	100	216 HORIZONTAL
2	11006.88	49.05	74.00	-24.95	40.82	5.01	38.33	35.11	Peak	100	216 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11006.56	35.52	54.00	-18.48	27.30	5.01	38.32	35.11	Average	100	132 VERTICAL
2	11009.76	47.80	74.00	-26.20	39.57	5.02	38.32	35.11	Peak	100	132 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch116 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	11157.92	48.02	74.00	-25.98	39.69	5.04	38.45	35.16	Peak	100	245 HORIZONTAL
2	11160.48	36.81	54.00	-17.19	28.47	5.04	38.47	35.17	Average	100	245 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	11161.36	50.12	74.00	-23.88	41.78	5.04	38.47	35.17	Peak	100	136 VERTICAL
2	11161.40	38.42	54.00	-15.58	30.08	5.04	38.47	35.17	Average	100	136 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch140 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11394.68	48.79	74.00	-25.21	40.26	5.10	38.68	35.25	Peak	100	181 HORIZONTAL
2	11404.60	36.41	54.00	-17.59	27.86	5.10	38.70	35.25	Average	100	181 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11402.32	48.61	74.00	-25.39	40.06	5.10	38.70	35.25	Peak	100	270 VERTICAL
2	11407.36	36.38	54.00	-17.62	27.83	5.10	38.70	35.25	Average	100	270 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch54 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15813.24	51.95	74.00	-22.05	43.87	6.14	37.37	35.43	Peak	100	301 HORIZONTAL
2	15819.52	39.29	54.00	-14.71	31.22	6.14	37.37	35.44	Average	100	301 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15805.12	50.91	74.00	-23.09	42.81	6.14	37.39	35.43	Peak	100	176 VERTICAL
2	15817.68	39.62	54.00	-14.38	31.54	6.14	37.37	35.43	Average	100	176 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 62 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10621.72	48.03	74.00	-25.97	40.06	5.01	38.38	35.42	Peak	100	155 HORIZONTAL
2	10622.64	35.94	54.00	-18.06	27.97	5.01	38.38	35.42	Average	100	155 HORIZONTAL
3	15927.92	51.57	74.00	-22.43	43.59	6.15	37.27	35.44	Peak	100	237 HORIZONTAL
4	15939.20	38.93	54.00	-15.07	30.97	6.15	37.25	35.44	Average	100	237 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10612.68	35.98	54.00	-18.02	28.01	5.01	38.38	35.42	Average	100	231 VERTICAL
2	10629.56	48.11	74.00	-25.89	40.11	5.01	38.38	35.39	Peak	100	231 VERTICAL
3	15923.88	52.81	74.00	-21.19	44.83	6.15	37.27	35.44	Peak	100	154 VERTICAL
4	15926.40	39.13	54.00	-14.87	31.15	6.15	37.27	35.44	Average	100	154 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch102 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11024.96	48.03	74.00	-25.97	39.78	5.02	38.34	35.11	Peak	100	267 HORIZONTAL
2	11029.64	35.86	54.00	-18.14	27.61	5.02	38.34	35.11	Average	100	267 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11020.16	47.47	74.00	-26.53	39.24	5.02	38.32	35.11	Peak	100	175 VERTICAL
2	11026.92	35.73	54.00	-18.27	27.49	5.02	38.33	35.11	Average	100	175 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch110 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11092.92	36.58	54.00	-17.42	28.29	5.03	38.40	35.14	Average	100	215	HORIZONTAL
2	11100.28	48.87	74.00	-25.13	40.58	5.03	38.40	35.14	Peak	100	215	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11094.44	36.81	54.00	-17.19	28.52	5.03	38.40	35.14	Average	100	137	VERTICAL
2	11106.92	48.27	74.00	-25.73	39.98	5.03	38.40	35.14	Peak	100	137	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch134 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11347.36	48.22	74.00	-25.78	39.72	5.09	38.65	35.24	Peak	100	257 HORIZONTAL
2	11347.80	36.33	54.00	-17.67	27.83	5.09	38.65	35.24	Average	100	257 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11345.84	48.33	74.00	-25.67	39.85	5.09	38.63	35.24	Peak	100	161 VERTICAL
2	11347.88	36.70	54.00	-17.30	28.20	5.09	38.65	35.24	Average	100	161 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch58 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15867.52	51.21	74.00	-22.79	43.20	6.14	37.32	35.45	Peak	100	303 HORIZONTAL
2	15878.96	39.03	54.00	-14.97	31.03	6.14	37.30	35.44	Average	100	303 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15863.36	51.27	74.00	-22.73	43.26	6.14	37.32	35.45	Peak	100	204 VERTICAL
2	15877.16	38.96	54.00	-15.04	30.94	6.14	37.32	35.44	Average	100	204 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 106 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 01, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11056.08	48.46	74.00	-25.54	40.20	5.02	38.36	35.12	Peak	100	155 HORIZONTAL
2	11065.24	36.04	54.00	-17.96	27.77	5.03	38.37	35.13	Average	100	155 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11059.60	36.23	54.00	-17.77	27.97	5.02	38.37	35.13	Average	100	277 VERTICAL
2	11068.64	48.89	74.00	-25.11	40.62	5.03	38.37	35.13	Peak	100	277 VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch52 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	15779.75	39.76	54.00	-14.24	31.63	6.14	37.41	35.42	Average	100	241 HORIZONTAL
2	15779.98	52.21	74.00	-21.79	44.08	6.14	37.41	35.42	Peak	100	241 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	15779.15	39.76	54.00	-14.24	31.63	6.14	37.41	35.42	Average	100	164 VERTICAL
2	15781.90	52.09	74.00	-21.91	43.96	6.14	37.41	35.42	Peak	100	164 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch56 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15832.02	37.10	54.00	-16.90	29.04	6.14	37.36	35.44	Average	100	90 HORIZONTAL
2	15848.88	50.10	74.00	-23.90	42.07	6.14	37.34	35.45	Peak	100	90 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15848.17	49.86	74.00	-24.14	41.83	6.14	37.34	35.45	Peak	100	261 VERTICAL
2	15848.81	37.12	54.00	-16.88	29.09	6.14	37.34	35.45	Average	100	261 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch60 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.48	36.73	54.00	-17.27	28.76	5.01	38.38	35.42	Average	100	210 HORIZONTAL
2	10600.48	48.83	74.00	-25.17	40.86	5.01	38.38	35.42	Peak	100	210 HORIZONTAL
3	15899.40	52.56	74.00	-21.44	44.56	6.15	37.29	35.44	Peak	100	140 HORIZONTAL
4	15900.44	39.56	54.00	-14.44	31.56	6.15	37.29	35.44	Average	100	140 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.96	36.72	54.00	-17.28	28.75	5.01	38.38	35.42	Average	100	120 VERTICAL
2	10600.96	47.69	74.00	-26.31	39.72	5.01	38.38	35.42	Peak	100	120 VERTICAL
3	15901.85	52.21	74.00	-21.79	44.21	6.15	37.29	35.44	Peak	100	216 VERTICAL
4	15902.41	39.57	54.00	-14.43	31.57	6.15	37.29	35.44	Average	100	216 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch64 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10638.65	37.21	54.00	-16.79	29.22	5.01	38.37	35.39	Average	100	226 HORIZONTAL
2	10640.00	49.43	74.00	-24.57	41.44	5.01	38.37	35.39	Peak	100	226 HORIZONTAL
3	15958.56	51.72	74.00	-22.28	43.78	6.15	37.23	35.44	Peak	100	296 HORIZONTAL
4	15959.93	39.55	54.00	-14.45	31.61	6.15	37.23	35.44	Average	100	296 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10638.23	37.04	54.00	-16.96	29.05	5.01	38.37	35.39	Average	100	136 VERTICAL
2	10641.78	49.32	74.00	-24.68	41.33	5.01	38.37	35.39	Peak	100	136 VERTICAL
3	15958.24	39.57	54.00	-14.43	31.63	6.15	37.23	35.44	Average	100	227 VERTICAL
4	15959.60	51.96	74.00	-22.04	44.02	6.15	37.23	35.44	Peak	100	227 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch100 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	10996.58	37.66	54.00	-16.34	29.43	5.01	38.32	35.10	Average	100	240	HORIZONTAL
2	11000.00	49.68	74.00	-24.32	41.45	5.01	38.32	35.10	Peak	100	240	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	10996.86	50.49	74.00	-23.51	42.28	5.01	38.30	35.10	Peak	100	161	VERTICAL
2	10997.80	37.57	54.00	-16.43	29.36	5.01	38.30	35.10	Average	100	161	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch116 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11159.50	40.92	54.00	-13.08	32.58	5.04	38.47	35.17	Average	100	290 HORIZONTAL
2	11164.80	54.11	74.00	-19.89	45.76	5.05	38.47	35.17	Peak	100	290 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11158.90	55.70	74.00	-18.30	47.36	5.04	38.47	35.17	Peak	100	358 VERTICAL
2	11159.80	43.40	54.00	-10.60	35.06	5.04	38.47	35.17	Average	100	358 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch140 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11399.80	50.26	74.00	-23.74	41.71	5.10	38.70	35.25	Peak	100	174 HORIZONTAL
2	11401.20	37.90	54.00	-16.10	29.35	5.10	38.70	35.25	Average	100	174 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11398.99	50.28	74.00	-23.72	41.73	5.10	38.70	35.25	Peak	100	250 VERTICAL
2	11402.45	38.02	54.00	-15.98	29.47	5.10	38.70	35.25	Average	100	250 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch54 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15809.40	52.70	74.00	-21.30	44.60	6.14	37.39	35.43	Peak	100	247 HORIZONTAL
2	15812.10	39.43	54.00	-14.57	31.35	6.14	37.37	35.43	Average	100	247 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15809.87	52.16	74.00	-21.84	44.06	6.14	37.39	35.43	Peak	100	169 VERTICAL
2	15811.80	39.49	54.00	-14.51	31.41	6.14	37.37	35.43	Average	100	169 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 62 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10621.66	37.05	54.00	-16.95	29.08	5.01	38.38	35.42	Average	100	214 HORIZONTAL
2	10621.66	47.80	74.00	-26.20	39.83	5.01	38.38	35.42	Peak	100	214 HORIZONTAL
3	15928.44	39.45	54.00	-14.55	31.47	6.15	37.27	35.44	Average	100	189 HORIZONTAL
4	15930.13	52.57	74.00	-21.43	44.61	6.15	37.25	35.44	Peak	100	189 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10617.77	50.10	74.00	-23.90	42.13	5.01	38.38	35.42	Peak	100	177 VERTICAL
2	10619.31	37.11	54.00	-16.89	29.14	5.01	38.38	35.42	Average	100	177 VERTICAL
3	15928.00	39.30	54.00	-14.70	31.32	6.15	37.27	35.44	Average	100	105 VERTICAL
4	15931.29	51.74	74.00	-22.26	43.78	6.15	37.25	35.44	Peak	100	105 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch102 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11021.08	50.15	74.00	-23.85	41.91	5.02	38.33	35.11	Peak	100	221 HORIZONTAL
2	11024.64	37.33	54.00	-16.67	29.08	5.02	38.34	35.11	Average	100	221 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11015.60	37.39	54.00	-16.61	29.16	5.02	38.32	35.11	Average	100	128 VERTICAL
2	11019.60	49.16	74.00	-24.84	40.93	5.02	38.32	35.11	Peak	100	128 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch110 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11093.32	38.76	54.00	-15.24	30.47	5.03	38.40	35.14	Average	100	61 HORIZONTAL
2	11097.80	52.37	74.00	-21.63	44.08	5.03	38.40	35.14	Peak	100	61 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11097.60	49.65	74.00	-24.35	41.36	5.03	38.40	35.14	Peak	100	166 VERTICAL
2	11098.04	38.48	54.00	-15.52	30.19	5.03	38.40	35.14	Average	100	166 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch134 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.16	37.43	54.00	-16.57	28.96	5.08	38.63	35.24	Average	100	263	HORIZONTAL
2	11344.14	50.35	74.00	-23.65	41.87	5.09	38.63	35.24	Peak	100	263	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11335.06	50.28	74.00	-23.72	41.80	5.08	38.63	35.23	Peak	100	172 VERTICAL
2	11343.58	37.71	54.00	-16.29	29.23	5.09	38.63	35.24	Average	100	172 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch58 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15872.23	51.38	74.00	-22.62	43.36	6.14	37.32	35.44	Peak	100	148 HORIZONTAL
2	15872.45	39.58	54.00	-14.42	31.56	6.14	37.32	35.44	Average	100	148 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15869.98	39.29	54.00	-14.71	31.27	6.14	37.32	35.44	Average	100	218 VERTICAL
2	15870.29	51.88	74.00	-22.12	43.86	6.14	37.32	35.44	Peak	100	218 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 106 / 1TX / Chain 1
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11061.21	37.65	54.00	-16.35	29.38	5.03	38.37	35.13	Average	100	180
2	11062.28	49.88	74.00	-24.12	41.61	5.03	38.37	35.13	Peak	100	180

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11057.68	37.51	54.00	-16.49	29.25	5.02	38.37	35.13	Average	100	282
2	11061.49	50.60	74.00	-23.40	42.33	5.03	38.37	35.13	Peak	100	282

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch52 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15782.72	39.33	54.00	-14.67	31.20	6.14	37.41	35.42	Average	100	178	HORIZONTAL
2	15785.00	51.94	74.00	-22.06	43.81	6.14	37.41	35.42	Peak	100	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15772.60	52.42	74.00	-21.58	44.28	6.14	37.42	35.42	Peak	100	125	VERTICAL
2	15786.10	39.19	54.00	-14.81	31.06	6.14	37.41	35.42	Average	100	125	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch56 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15845.96	52.21	74.00	-21.79	44.18	6.14	37.34	35.45	100	170	HORIZONTAL
2	15846.92	39.15	54.00	-14.85	31.12	6.14	37.34	35.45	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15847.00	52.65	74.00	-21.35	44.62	6.14	37.34	35.45	100	224	VERTICAL
2	15850.00	39.16	54.00	-14.84	31.13	6.14	37.34	35.45	100	224	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch60 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	10600.48	37.09	54.00	-16.91	29.12	5.01	38.38	35.42	Average	100	161 HORIZONTAL
2	10608.96	49.62	74.00	-24.38	41.65	5.01	38.38	35.42	Peak	100	161 HORIZONTAL
3	15898.00	51.82	74.00	-22.18	43.82	6.15	37.29	35.44	Peak	100	126 HORIZONTAL
4	15909.44	39.67	54.00	-14.33	31.67	6.15	37.29	35.44	Average	100	126 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	10600.60	37.48	54.00	-16.52	29.51	5.01	38.38	35.42	Average	100	66 VERTICAL
2	10602.00	50.78	74.00	-23.22	42.81	5.01	38.38	35.42	Peak	100	66 VERTICAL
3	15892.44	52.25	74.00	-21.75	44.24	6.15	37.30	35.44	Peak	100	36 VERTICAL
4	15909.12	39.79	54.00	-14.21	31.79	6.15	37.29	35.44	Average	100	36 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch64 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10636.20	36.87	54.00	-17.13	28.88	5.01	38.37	35.39	100	146	HORIZONTAL
2	10649.04	50.16	74.00	-23.84	42.15	5.01	38.37	35.37	100	146	HORIZONTAL
3	15965.12	51.94	74.00	-22.06	44.01	6.15	37.22	35.44	100	187	HORIZONTAL
4	15969.12	39.63	54.00	-14.37	31.70	6.15	37.22	35.44	100	187	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10632.08	37.07	54.00	-16.93	29.08	5.01	38.37	35.39	100	115	VERTICAL
2	10643.16	49.27	74.00	-24.73	41.28	5.01	38.37	35.39	100	115	VERTICAL
3	15968.40	51.91	74.00	-22.09	43.98	6.15	37.22	35.44	100	151	VERTICAL
4	15968.76	39.68	54.00	-14.32	31.75	6.15	37.22	35.44	100	151	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch100 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11002.00	48.25	74.00	-25.75	40.02	5.01	38.32	35.10	100	144	HORIZONTAL
2	11007.56	35.56	54.00	-18.44	27.33	5.01	38.33	35.11	100	144	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10999.24	35.43	54.00	-18.57	27.22	5.01	38.30	35.10	100	185	VERTICAL
2	11001.48	47.44	74.00	-26.56	39.23	5.01	38.30	35.10	100	185	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch116 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11164.20	40.19	54.00	-13.81	31.84	5.05	38.47	35.17	Average	100	230 HORIZONTAL
2	11164.20	51.86	74.00	-22.14	43.51	5.05	38.47	35.17	Peak	100	230 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11164.90	45.57	54.00	-8.43	37.22	5.05	38.47	35.17	Average	100	184 VERTICAL
2	11166.50	56.63	74.00	-17.37	48.28	5.05	38.47	35.17	Peak	100	184 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch140 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11396.88	36.12	54.00	-17.88	27.59	5.10	38.68	35.25	Average	100	249	HORIZONTAL
2	11408.44	49.74	74.00	-24.26	41.19	5.10	38.70	35.25	Peak	100	249	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11390.24	36.25	54.00	-17.75	27.73	5.09	38.68	35.25	Average	100	225	VERTICAL
2	11408.64	48.63	74.00	-25.37	40.08	5.10	38.70	35.25	Peak	100	225	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch54 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15800.16	38.76	54.00	-15.24	30.66	6.14	37.39	35.43	Average	100	276 HORIZONTAL
2	15801.28	51.48	74.00	-22.52	43.38	6.14	37.39	35.43	Peak	100	276 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15801.40	38.92	54.00	-15.08	30.82	6.14	37.39	35.43	Average	100	238 VERTICAL
2	15808.08	51.56	74.00	-22.44	43.46	6.14	37.39	35.43	Peak	100	238 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 62 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10610.04	37.05	54.00	-16.95	29.08	5.01	38.38	35.42	Average	100	180 HORIZONTAL
2	10612.32	50.34	74.00	-23.66	42.37	5.01	38.38	35.42	Peak	100	180 HORIZONTAL
3	15920.96	39.79	54.00	-14.21	31.81	6.15	37.27	35.44	Average	100	215 HORIZONTAL
4	15927.88	52.33	74.00	-21.67	44.35	6.15	37.27	35.44	Peak	100	215 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10614.72	37.38	54.00	-16.62	29.41	5.01	38.38	35.42	Average	100	222 VERTICAL
2	10624.60	49.62	74.00	-24.38	41.62	5.01	38.38	35.39	Peak	100	222 VERTICAL
3	15921.56	53.29	74.00	-20.71	45.31	6.15	37.27	35.44	Peak	100	193 VERTICAL
4	15923.56	39.77	54.00	-14.23	31.79	6.15	37.27	35.44	Average	100	193 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch102 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11023.44	47.77	74.00	-26.23	39.52	5.02	38.34	35.11	Peak	100	182 HORIZONTAL
2	11029.68	35.71	54.00	-18.29	27.46	5.02	38.34	35.11	Average	100	182 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11015.12	48.22	74.00	-25.78	39.99	5.02	38.32	35.11	Peak	100	215 VERTICAL
2	11028.92	35.65	54.00	-18.35	27.41	5.02	38.33	35.11	Average	100	215 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch110 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11107.48	49.08	74.00	-24.92	40.78	5.03	38.42	35.15	100	153	HORIZONTAL
2	11109.04	37.18	54.00	-16.82	28.88	5.03	38.42	35.15	100	153	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11094.08	49.44	74.00	-24.56	41.15	5.03	38.40	35.14	100	136	VERTICAL
2	11095.28	37.85	54.00	-16.15	29.56	5.03	38.40	35.14	100	136	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch134 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11343.32	37.24	54.00	-16.76	28.76	5.09	38.63	35.24	Average	100	123	HORIZONTAL
2	11347.00	49.62	74.00	-24.38	41.12	5.09	38.65	35.24	Peak	100	123	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11334.32	38.22	54.00	-15.78	29.74	5.08	38.63	35.23	Average	100	180	VERTICAL
2	11344.32	49.53	74.00	-24.47	41.05	5.09	38.63	35.24	Peak	100	180	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch58 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15365.30	52.21	74.00	-21.79	42.95	6.01	38.42	35.17	Peak	100	158 HORIZONTAL
2	15366.00	40.11	54.00	-13.89	30.85	6.01	38.42	35.17	Average	100	158 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15887.00	49.74	74.00	-24.26	41.73	6.15	37.30	35.44	Peak	100	143 VERTICAL
2	15887.70	38.92	54.00	-15.08	30.91	6.15	37.30	35.44	Average	100	143 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 106 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11082.80	48.95	74.00	-25.05	40.68	5.03	38.38	35.14	Peak	100	165 HORIZONTAL
2	11084.30	36.79	54.00	-17.21	28.52	5.03	38.38	35.14	Average	100	165 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11081.20	49.01	74.00	-24.99	40.73	5.03	38.38	35.13	Peak	100	207 VERTICAL
2	11084.00	36.77	54.00	-17.23	28.50	5.03	38.38	35.14	Average	100	207 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch52 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15780.00	38.40	54.00	-15.60	30.27	6.14	37.41	35.42	Average	100	119 HORIZONTAL
2	15783.92	50.89	74.00	-23.11	42.76	6.14	37.41	35.42	Peak	100	119 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15778.30	38.43	54.00	-15.57	30.30	6.14	37.41	35.42	Average	100	194 VERTICAL
2	15783.40	50.57	74.00	-23.43	42.44	6.14	37.41	35.42	Peak	100	194 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch56 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15838.68	51.01	74.00	-22.99	42.95	6.14	37.36	35.44	Peak	100	205 HORIZONTAL
2	15843.96	38.29	54.00	-15.71	30.24	6.14	37.36	35.45	Average	100	205 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15837.26	51.72	74.00	-22.28	43.66	6.14	37.36	35.44	Peak	100	273 VERTICAL
2	15842.04	38.26	54.00	-15.74	30.20	6.14	37.36	35.44	Average	100	273 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch60 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10601.70	36.20	54.00	-17.80	28.23	5.01	38.38	35.42	Average	100	152	HORIZONTAL
2	10601.70	46.87	74.00	-27.13	38.90	5.01	38.38	35.42	Peak	100	152	HORIZONTAL
3	15901.18	51.82	74.00	-22.18	43.82	6.15	37.29	35.44	Peak	100	47	HORIZONTAL
4	15901.28	38.92	54.00	-15.08	30.92	6.15	37.29	35.44	Average	100	47	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.94	36.45	54.00	-17.55	28.48	5.01	38.38	35.42	Average	100	207	VERTICAL
2	10600.94	47.03	74.00	-26.97	39.06	5.01	38.38	35.42	Peak	100	207	VERTICAL
3	15904.42	38.87	54.00	-15.13	30.87	6.15	37.29	35.44	Average	100	134	VERTICAL
4	15904.82	52.19	74.00	-21.81	44.19	6.15	37.29	35.44	Peak	100	134	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch64 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.54	36.45	54.00	-17.55	28.46	5.01	38.37	35.39	Average	100	162	HORIZONTAL
2	10640.28	49.37	74.00	-24.63	41.38	5.01	38.37	35.39	Peak	100	162	HORIZONTAL
3	15962.34	51.93	74.00	-22.07	43.99	6.15	37.23	35.44	Peak	100	235	HORIZONTAL
4	15963.34	38.89	54.00	-15.11	30.95	6.15	37.23	35.44	Average	100	235	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.56	36.42	54.00	-17.58	28.43	5.01	38.37	35.39	Average	100	238	VERTICAL
2	10635.88	48.47	74.00	-25.53	40.48	5.01	38.37	35.39	Peak	100	238	VERTICAL
3	15963.82	51.18	74.00	-22.82	43.25	6.15	37.22	35.44	Peak	100	316	VERTICAL
4	15964.74	38.87	54.00	-15.13	30.94	6.15	37.22	35.44	Average	100	316	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch100 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10997.38	47.50	74.00	-26.50	39.27	5.01	38.32	35.10	Peak	100	108 HORIZONTAL
2	11004.68	34.86	54.00	-19.14	26.63	5.01	38.32	35.10	Average	100	108 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10998.70	47.78	74.00	-26.22	39.57	5.01	38.30	35.10	Peak	100	214 VERTICAL
2	11003.60	34.75	54.00	-19.25	26.54	5.01	38.30	35.10	Average	100	214 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch116 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11161.50	52.72	74.00	-21.28	44.38	5.04	38.47	35.17	Peak	100	295 HORIZONTAL
2	11161.90	40.00	54.00	-14.00	31.65	5.05	38.47	35.17	Average	100	295 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11164.40	55.10	74.00	-18.90	46.75	5.05	38.47	35.17	Peak	100	0 VERTICAL
2	11164.80	42.91	54.00	-11.09	34.56	5.05	38.47	35.17	Average	100	0 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch140 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11396.22	35.41	54.00	-18.59	26.88	5.10	38.68	35.25	Average	100	93	HORIZONTAL
2	11402.58	48.00	74.00	-26.00	39.45	5.10	38.70	35.25	Peak	100	93	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11396.36	35.37	54.00	-18.63	26.84	5.10	38.68	35.25	Average	100	182	VERTICAL
2	11396.94	48.36	74.00	-25.64	39.83	5.10	38.68	35.25	Peak	100	182	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch54 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	15805.82	50.10	74.00	-23.90	42.00	6.14	37.39	35.43	Peak	100	115 HORIZONTAL
2	15814.06	38.19	54.00	-15.81	30.11	6.14	37.37	35.43	Average	100	115 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	15805.26	38.34	54.00	-15.66	30.24	6.14	37.39	35.43	Average	100	258 VERTICAL
2	15810.86	50.96	74.00	-23.04	42.88	6.14	37.37	35.43	Peak	100	258 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 62 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10620.00	36.42	54.00	-17.58	28.45	5.01	38.38	35.42	Average	100	218 HORIZONTAL
2	10622.46	49.43	74.00	-24.57	41.46	5.01	38.38	35.42	Peak	100	218 HORIZONTAL
3	15928.10	38.66	54.00	-15.34	30.68	6.15	37.27	35.44	Average	100	319 HORIZONTAL
4	15928.50	51.17	74.00	-22.83	43.19	6.15	37.27	35.44	Peak	100	319 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10619.40	36.63	54.00	-17.37	28.66	5.01	38.38	35.42	Average	100	157 VERTICAL
2	10621.20	48.92	74.00	-25.08	40.95	5.01	38.38	35.42	Peak	100	157 VERTICAL
3	15931.06	38.77	54.00	-15.23	30.81	6.15	37.25	35.44	Average	100	238 VERTICAL
4	15931.27	51.19	74.00	-22.81	43.23	6.15	37.25	35.44	Peak	100	238 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch102 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11018.04	34.87	54.00	-19.13	26.63	5.02	38.33	35.11	Average	100	205 HORIZONTAL
2	11018.37	47.31	74.00	-26.69	39.07	5.02	38.33	35.11	Peak	100	205 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11017.76	47.34	74.00	-26.66	39.11	5.02	38.32	35.11	Peak	100	128 VERTICAL
2	11021.27	34.75	54.00	-19.25	26.52	5.02	38.32	35.11	Average	100	128 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch110 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11097.87	48.63	74.00	-25.37	40.34	5.03	38.40	35.14	Peak	100	180 HORIZONTAL
2	11097.88	36.80	54.00	-17.20	28.51	5.03	38.40	35.14	Average	100	180 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11097.87	38.49	54.00	-15.51	30.20	5.03	38.40	35.14	Average	100	360 VERTICAL
2	11098.52	52.67	74.00	-21.33	44.38	5.03	38.40	35.14	Peak	100	360 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch134 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11338.54	36.45	54.00	-17.55	27.98	5.08	38.63	35.24	Average	100	148 HORIZONTAL
2	11339.67	48.31	74.00	-25.69	39.84	5.08	38.63	35.24	Peak	100	148 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11341.42	35.92	54.00	-18.08	27.44	5.09	38.63	35.24	Average	100	249 VERTICAL
2	11341.47	48.76	74.00	-25.24	40.28	5.09	38.63	35.24	Peak	100	249 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch58 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15868.45	50.87	74.00	-23.13	42.86	6.14	37.32	35.45	Peak	100	227 HORIZONTAL
2	15870.12	37.92	54.00	-16.08	29.90	6.14	37.32	35.44	Average	100	227 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15868.74	51.52	74.00	-22.48	43.51	6.14	37.32	35.45	Peak	100	127 VERTICAL
2	15870.32	38.06	54.00	-15.94	30.04	6.14	37.32	35.44	Average	100	127 VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 106 / 2TX / Chain 1 + Chain 2
Test Date	Jun. 01, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11058.13	35.52	54.00	-18.48	27.26	5.02	38.37	35.13	Average	100	105 HORIZONTAL
2	11058.38	48.09	74.00	-25.91	39.83	5.02	38.37	35.13	Peak	100	105 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11059.13	47.97	74.00	-26.03	39.71	5.02	38.37	35.13	Peak	100	199 VERTICAL
2	11061.13	35.47	54.00	-18.53	27.20	5.03	38.37	35.13	Average	100	199 VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.