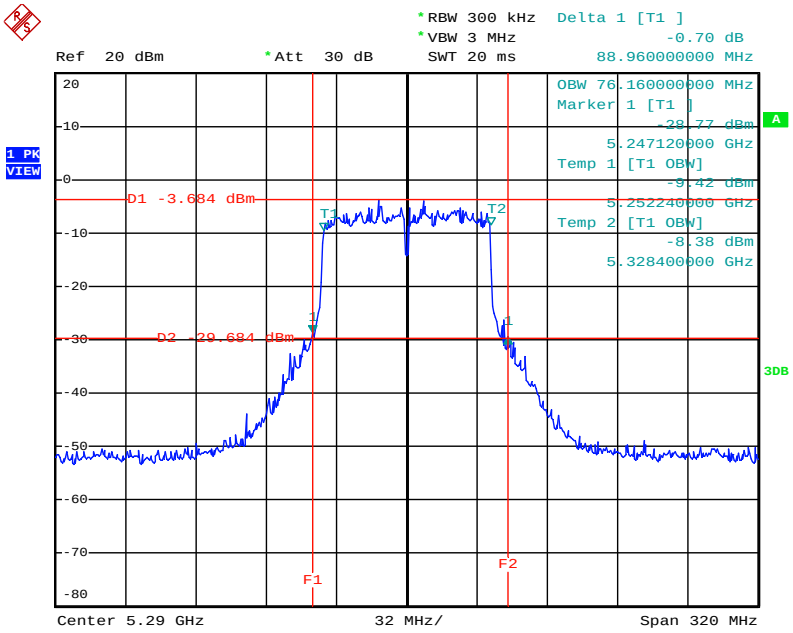
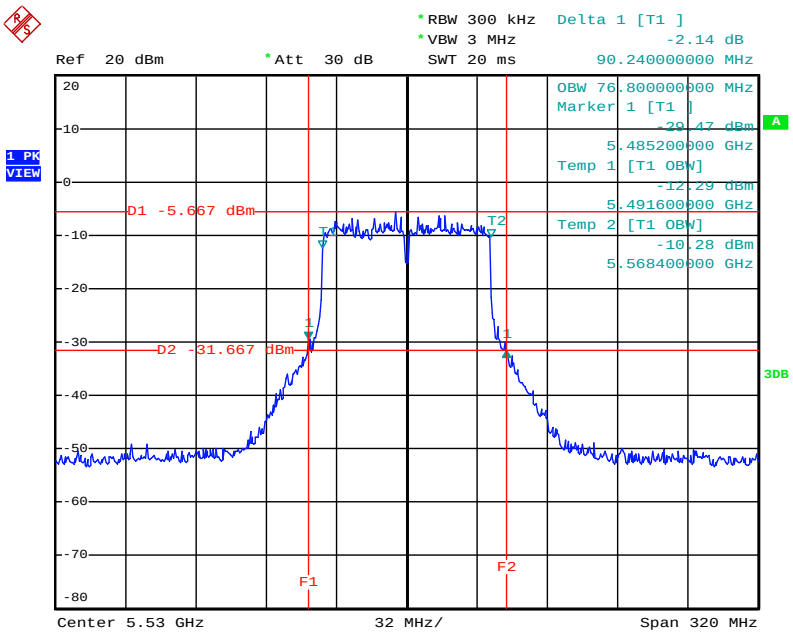
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 24.MAY.2013 15:43:24

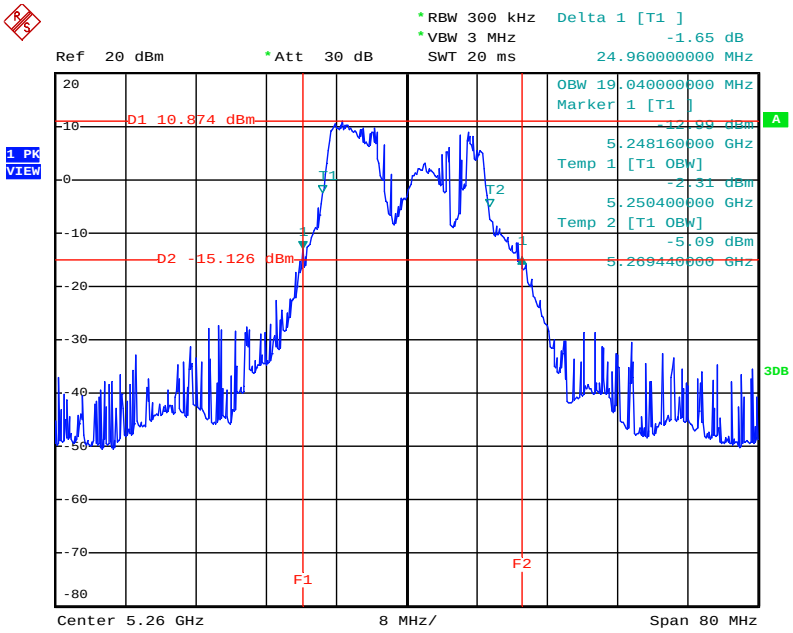
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



Date: 24.MAY.2013 15:40:41

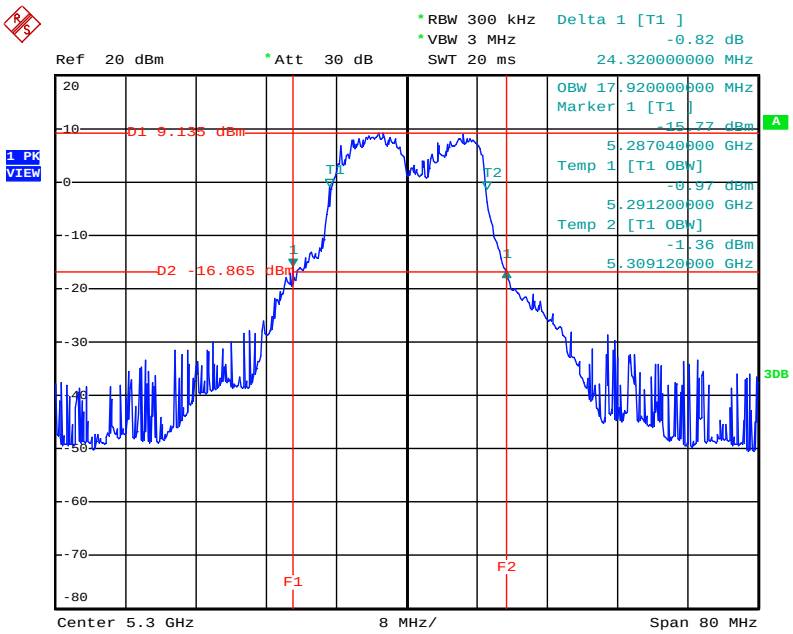
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



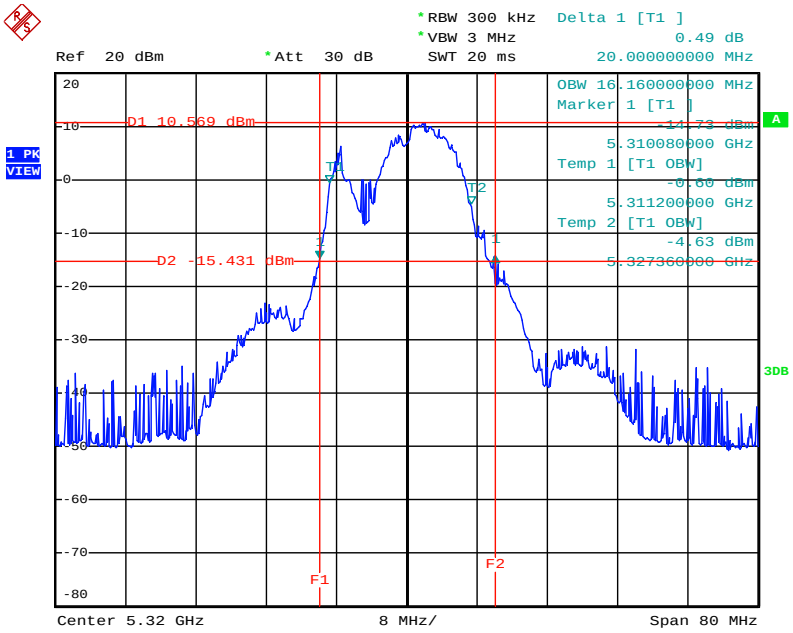
Date: 24.MAY.2013 20:03:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



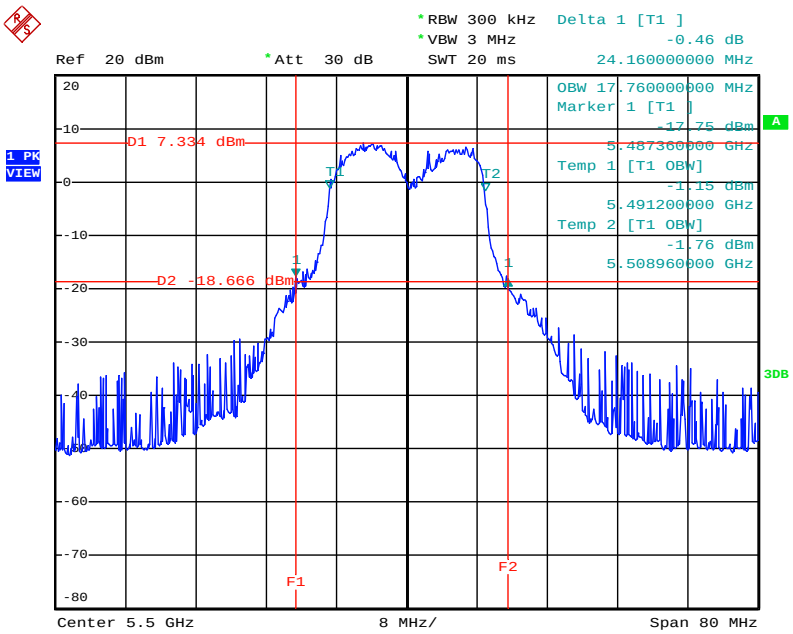
Date: 24.MAY.2013 20:06:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



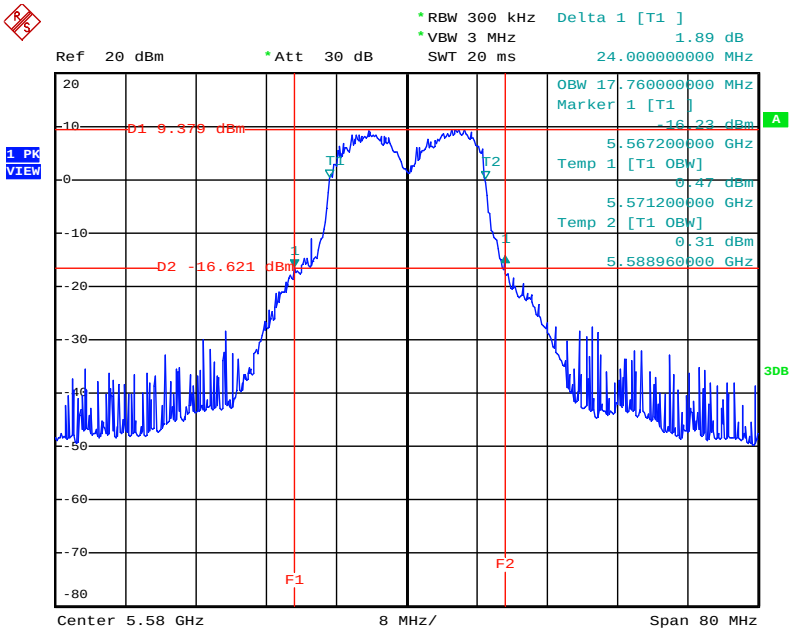
Date: 24.MAY.2013 20:07:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



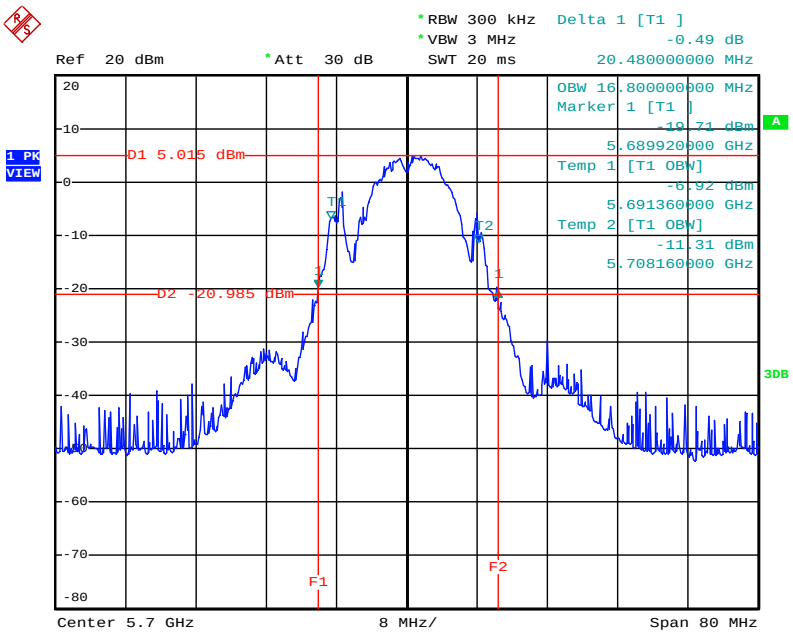
Date: 24.MAY.2013 20:15:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



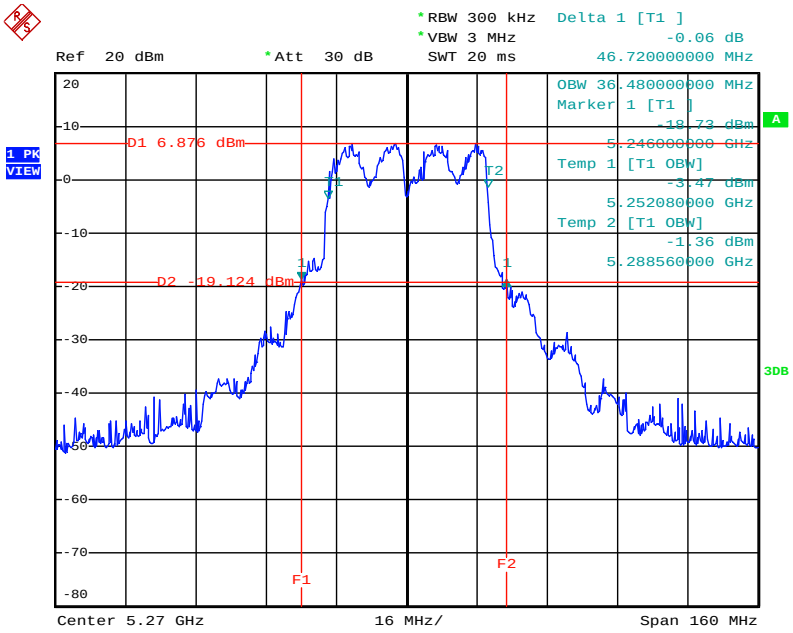
Date: 24.MAY.2013 20:17:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



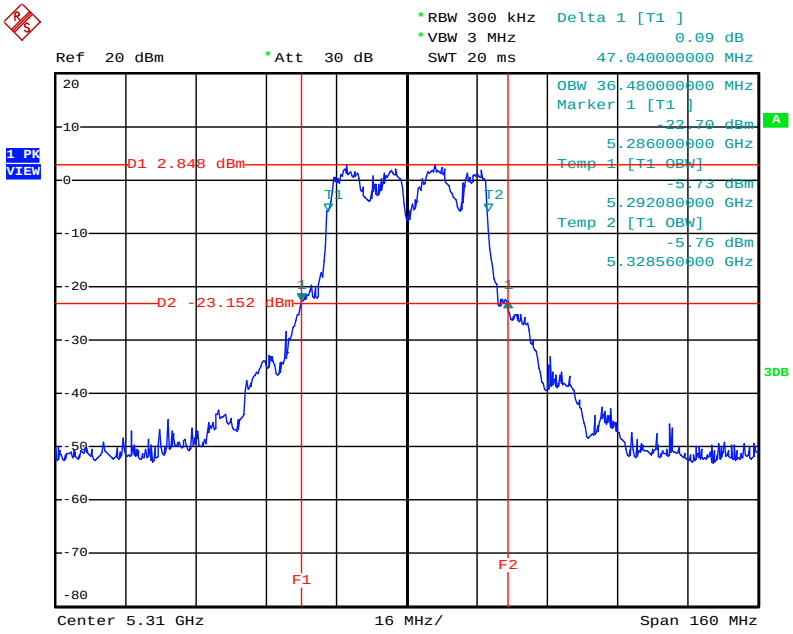
Date: 24.MAY.2013 20:28:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



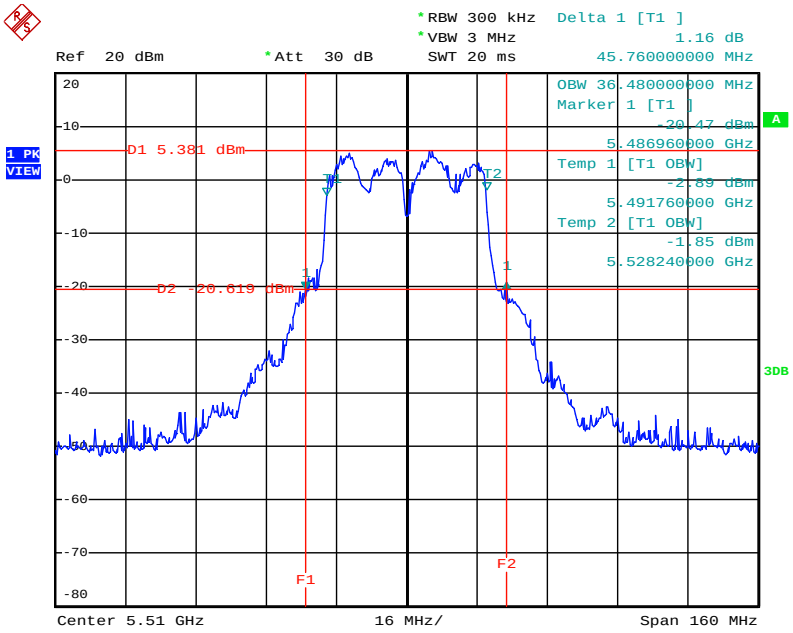
Date: 24.MAY.2013 20:30:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



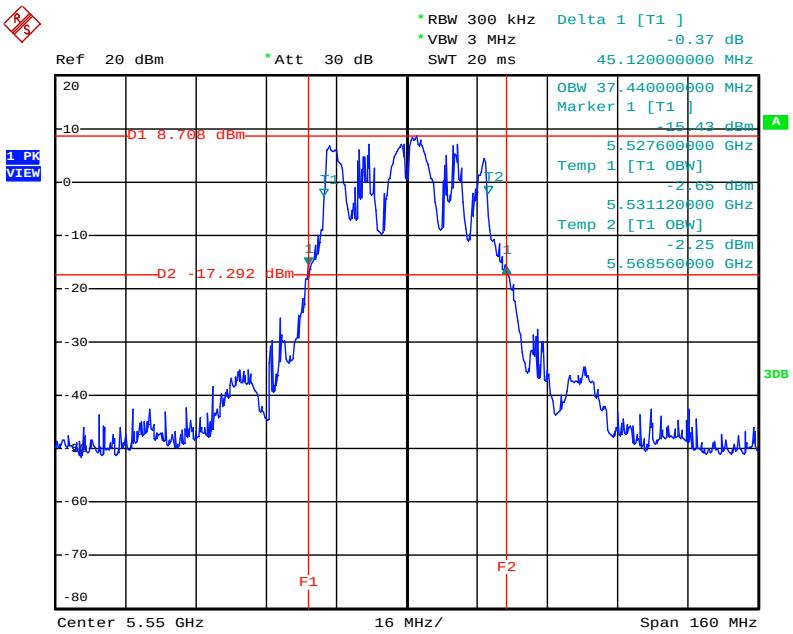
Date: 24.MAY.2013 20:33:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



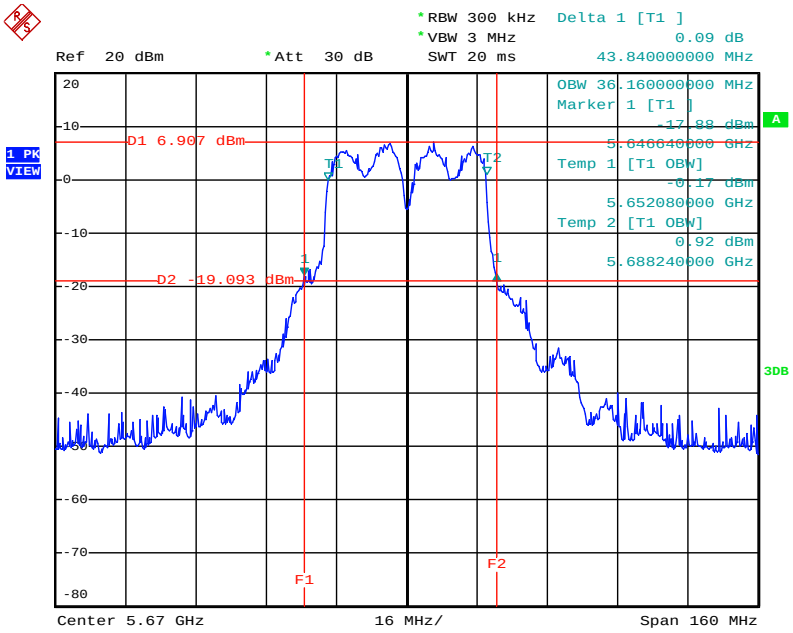
Date: 24.MAY.2013 20:37:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



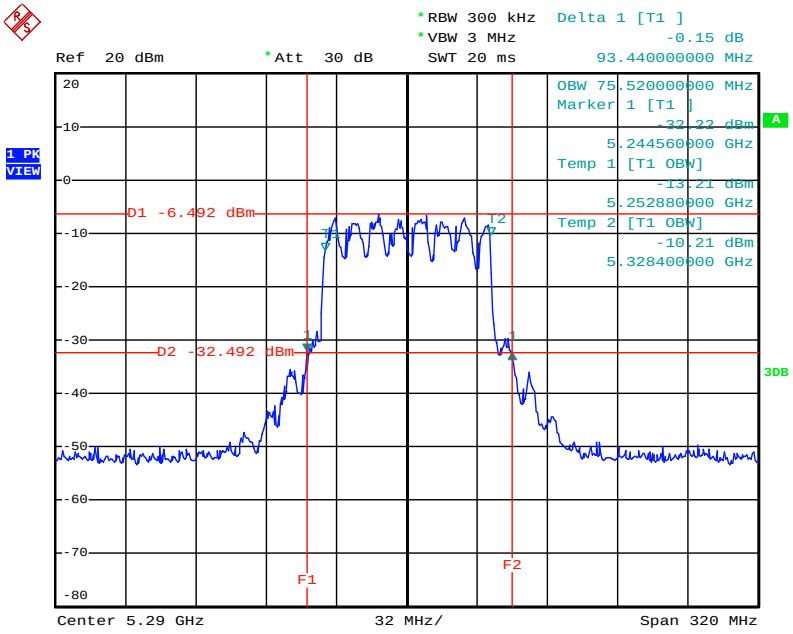
Date: 24.MAY.2013 20:39:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



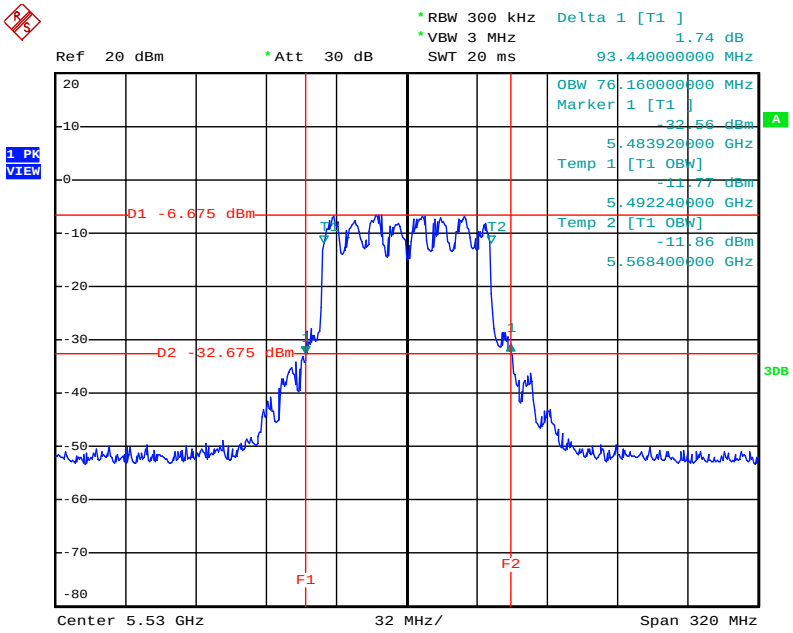
Date: 24.MAY.2013 20:41:14

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



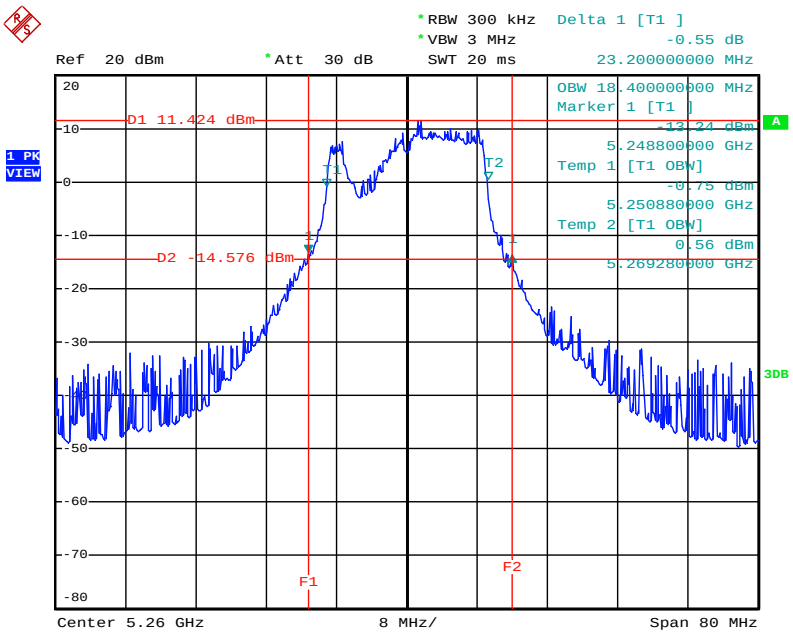
Date: 24.MAY.2013 20:44:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



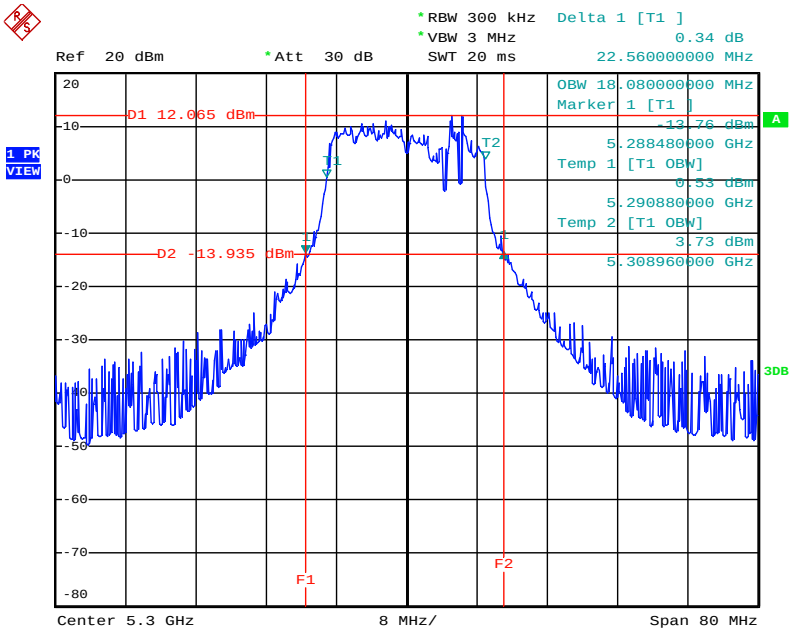
Date: 24.MAY.2013 20:46:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



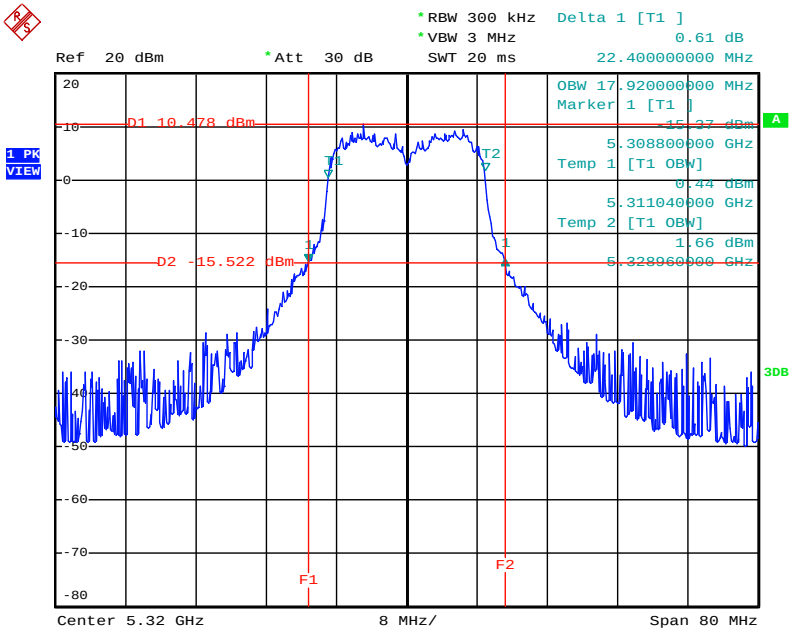
Date: 24.MAY.2013 21:18:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



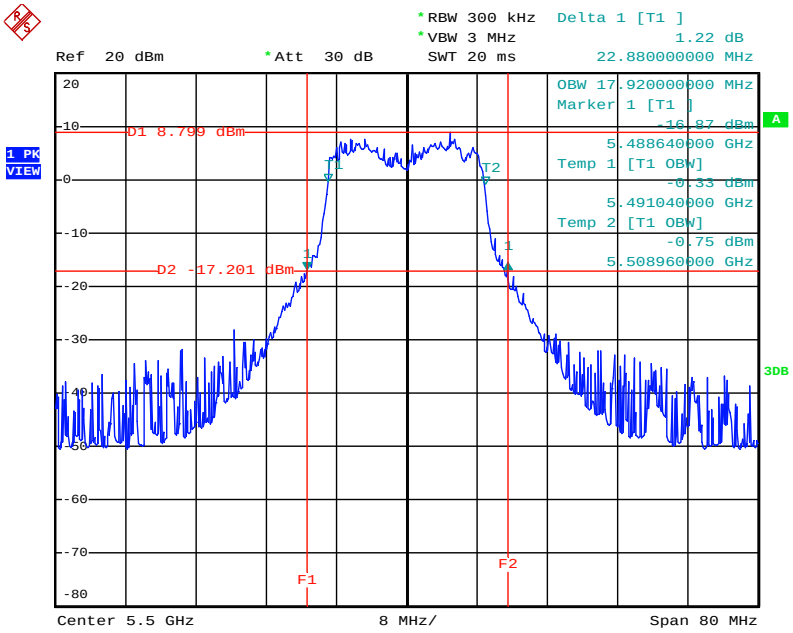
Date: 24.MAY.2013 21:21:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



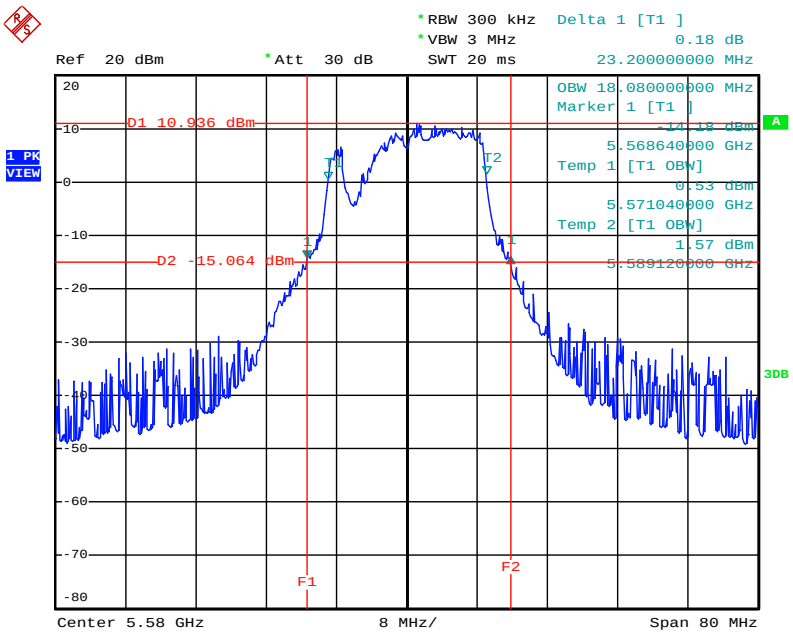
Date: 24.MAY.2013 21:23:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



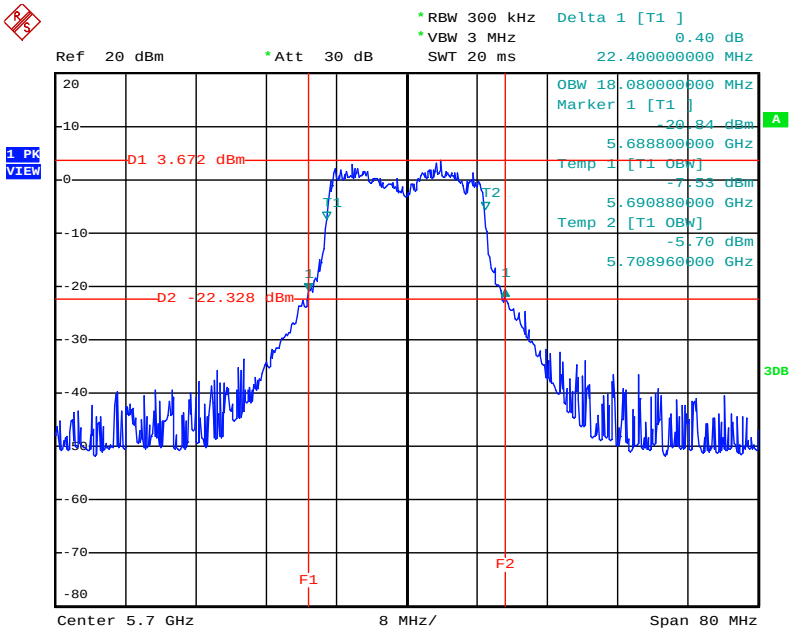
Date: 24.MAY.2013 21:27:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



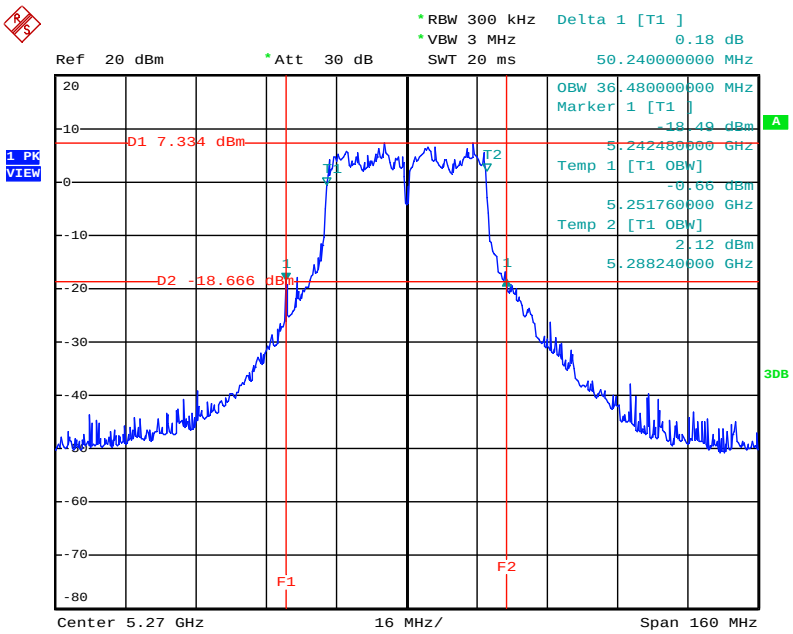
Date: 24.MAY.2013 21:29:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



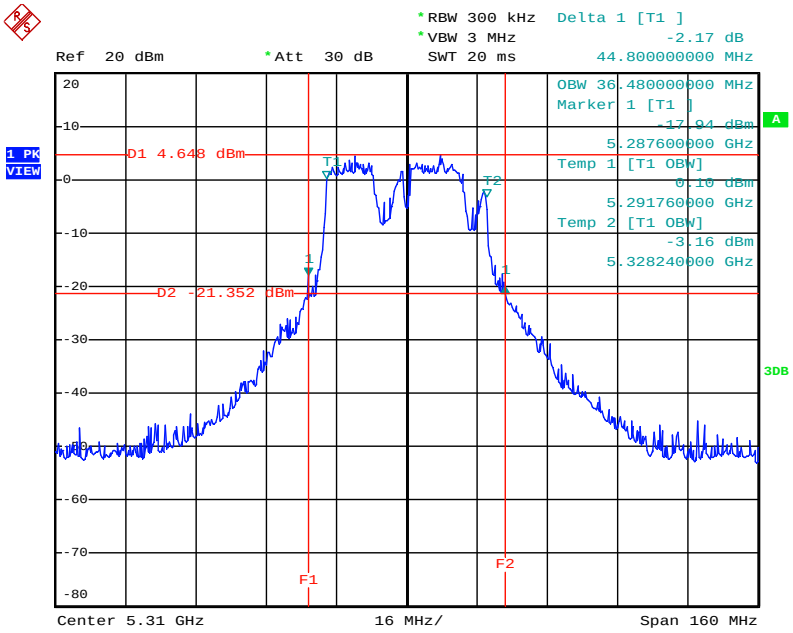
Date: 24.MAY.2013 21:31:23

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



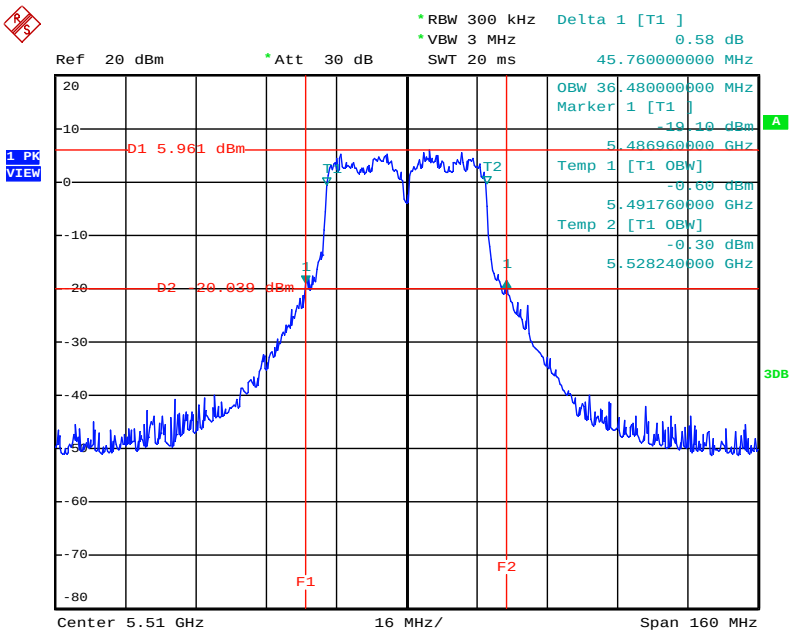
Date: 24.MAY.2013 21:34:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



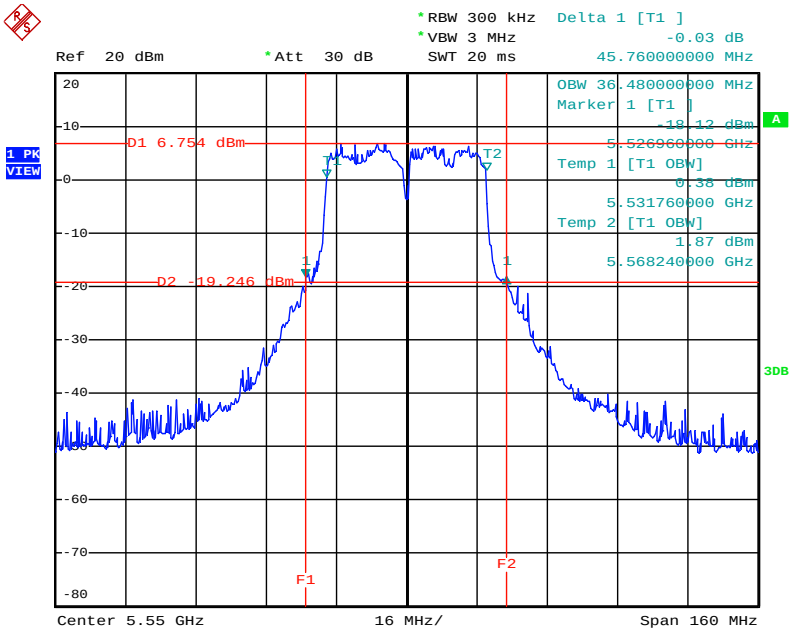
Date: 24.MAY.2013 21:35:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



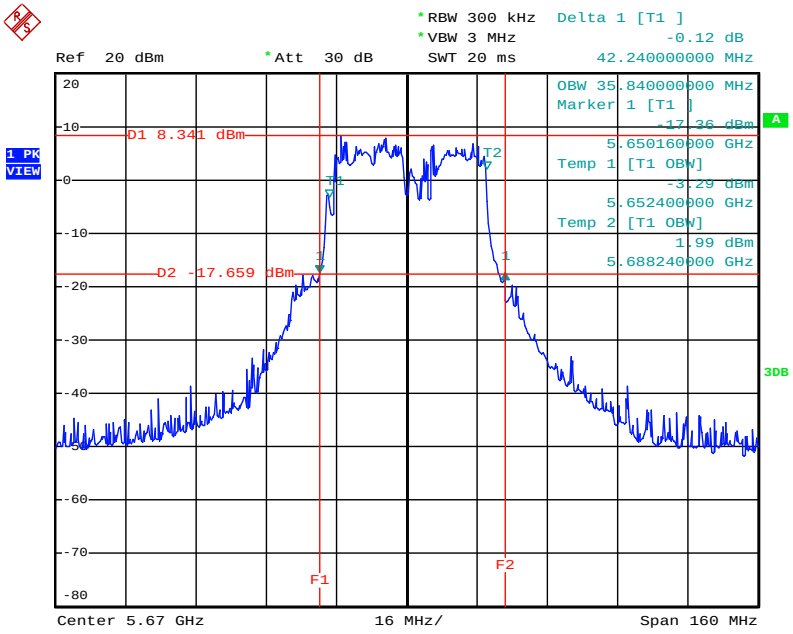
Date: 24.MAY.2013 21:39:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



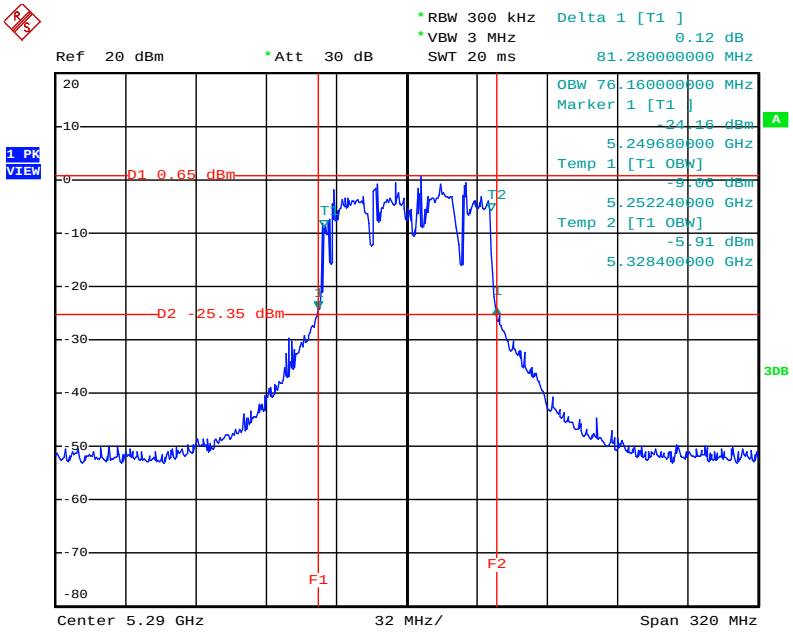
Date: 24.MAY.2013 21:41:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



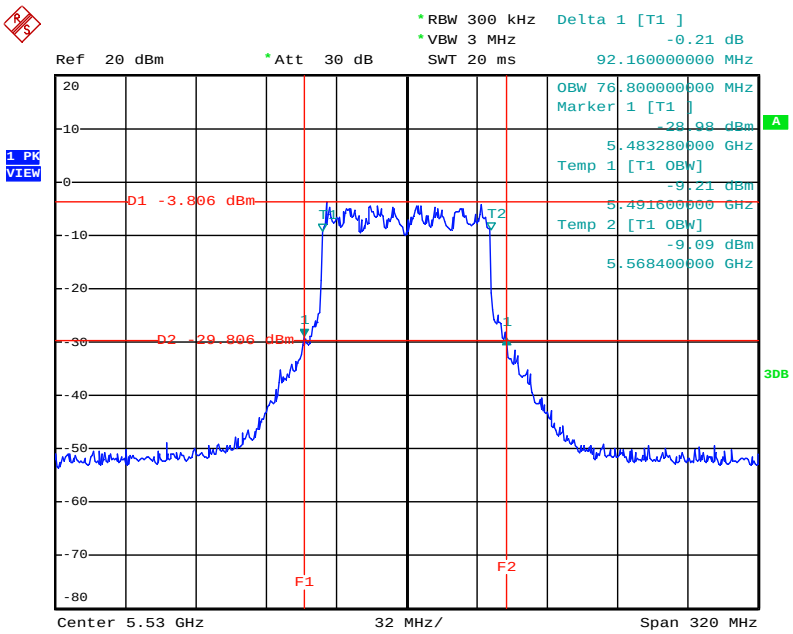
Date: 24.MAY.2013 21:43:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



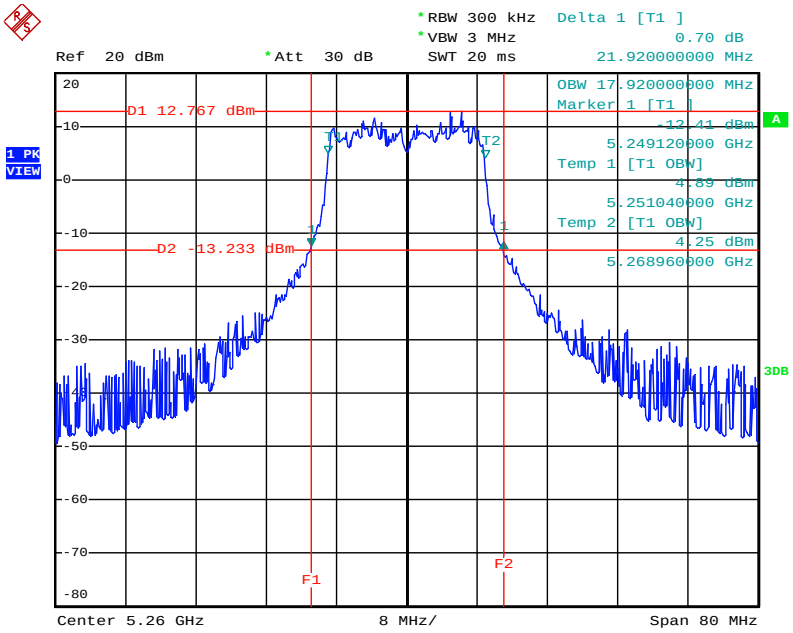
Date: 24.MAY.2013 21:49:25

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



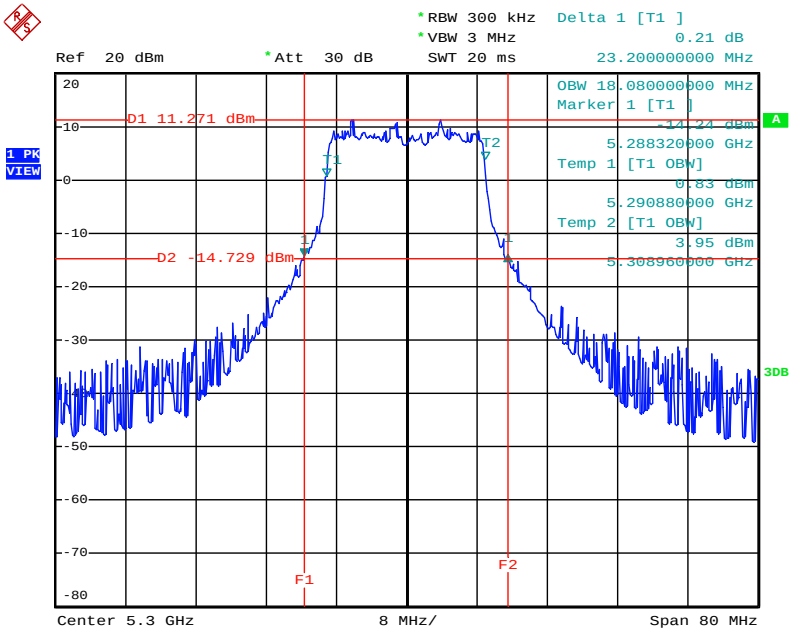
Date: 24.MAY.2013 21:45:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



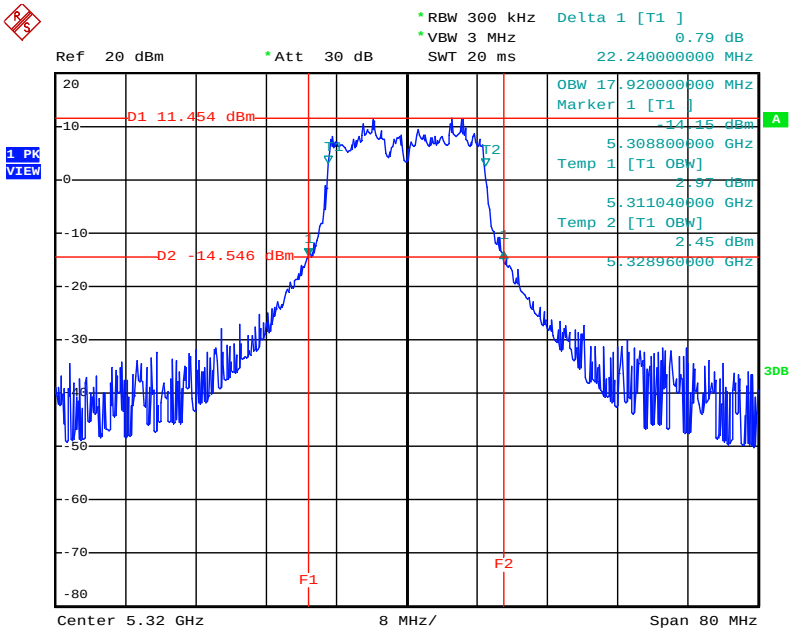
Date: 24.MAY.2013 22:08:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



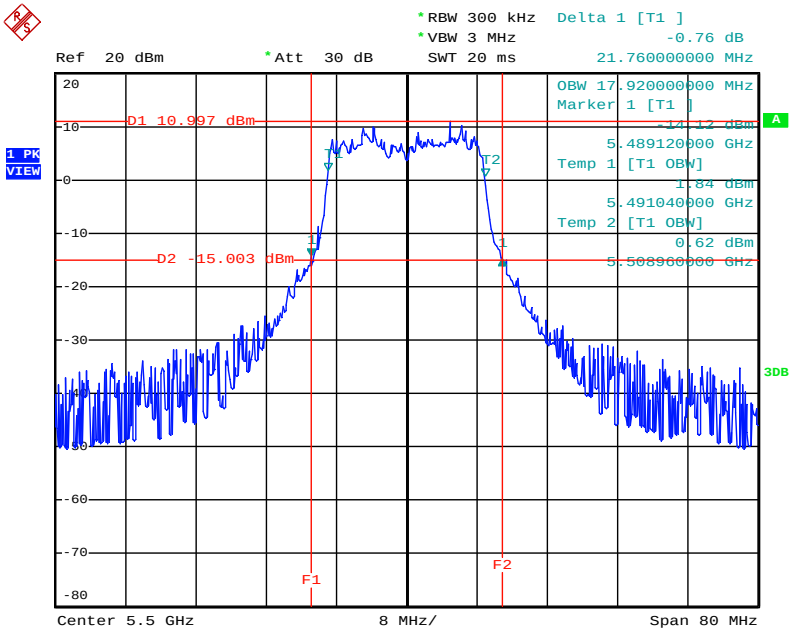
Date: 24.MAY.2013 22:10:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



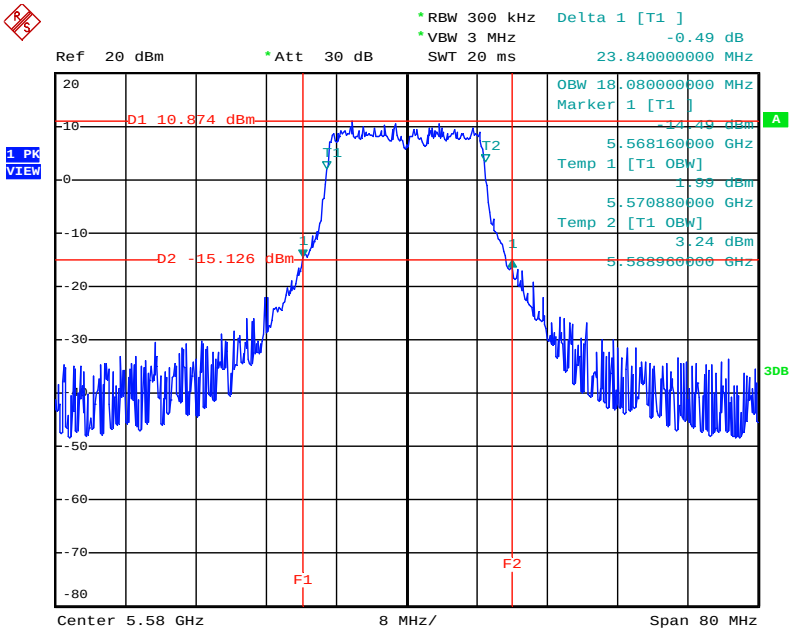
Date: 24.MAY.2013 22:16:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



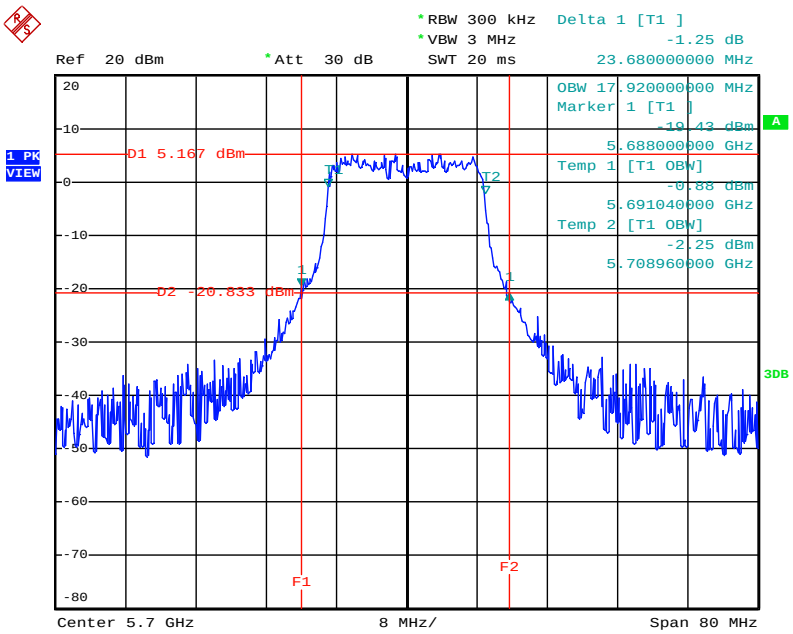
Date: 24.MAY.2013 22:21:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



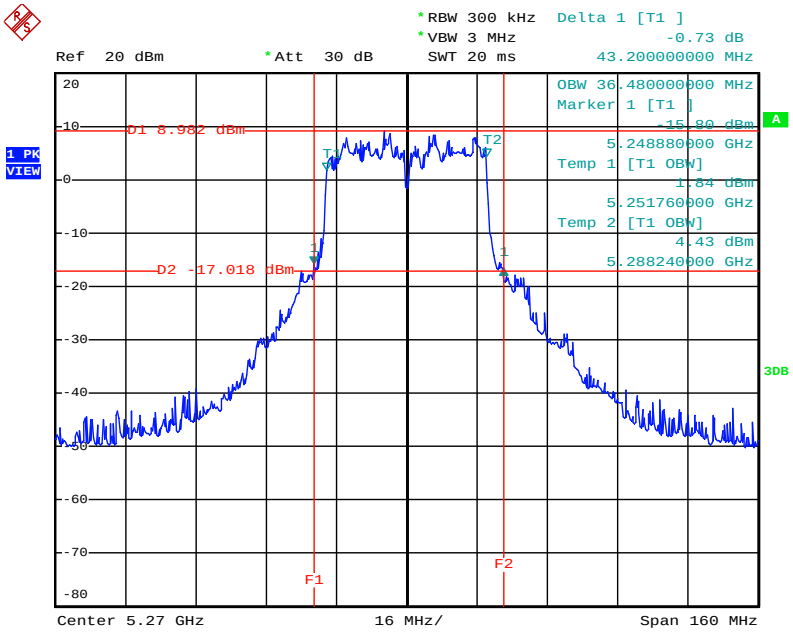
Date: 24.MAY.2013 22:23:09

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



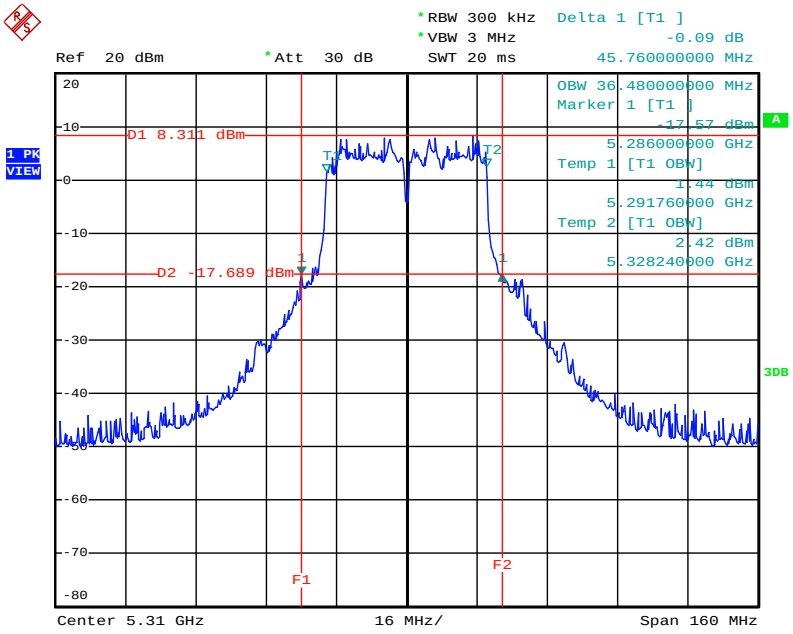
Date: 24.MAY.2013 22:25:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



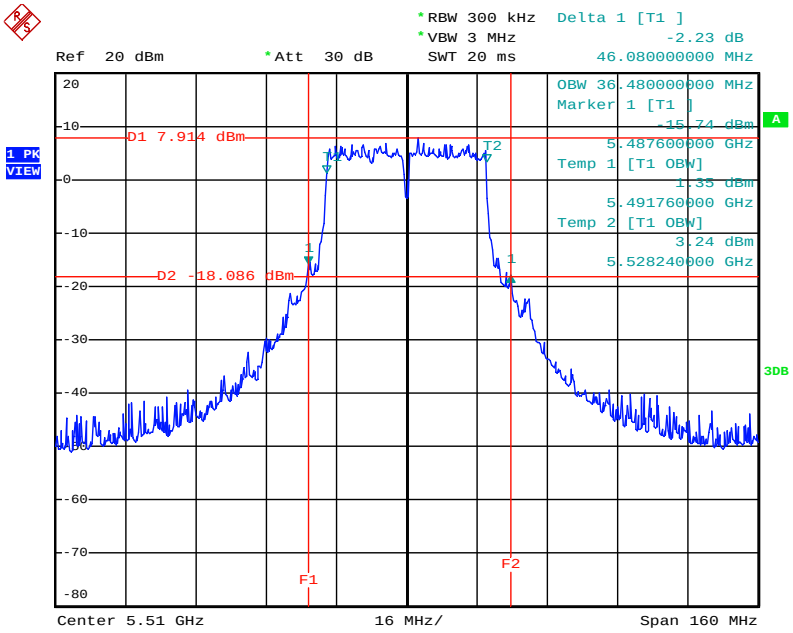
Date: 24.MAY.2013 22:34:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



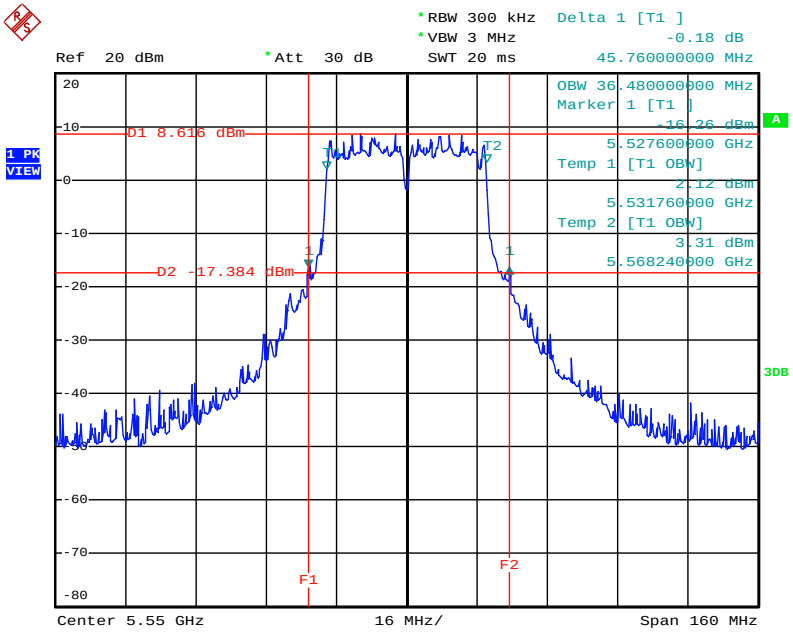
Date: 24.MAY.2013 22:37:09

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



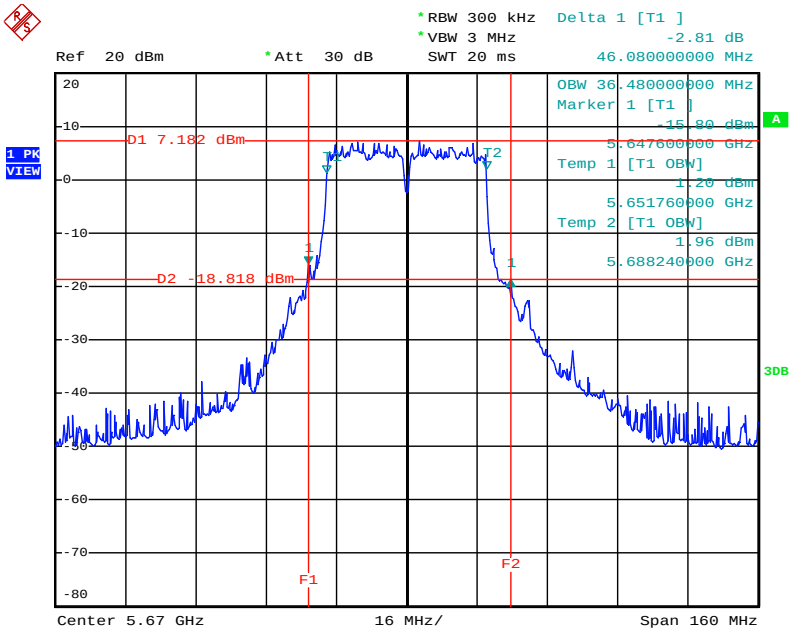
Date: 24.MAY.2013 22:30:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



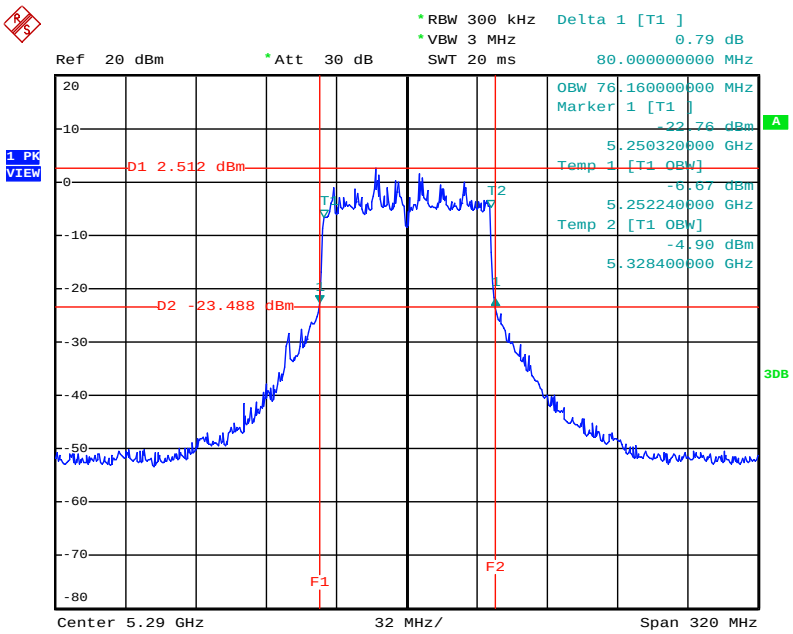
Date: 24.MAY.2013 22:29:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



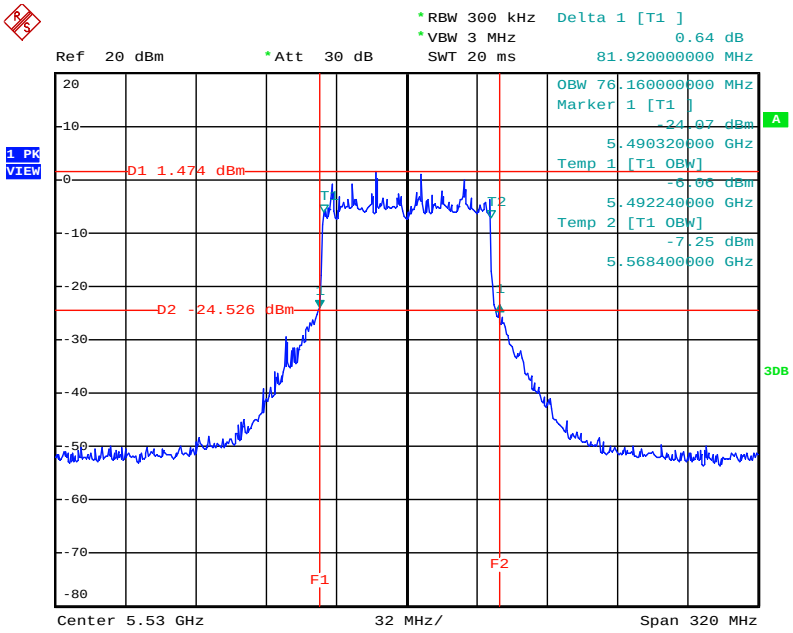
Date: 24.MAY.2013 22:27:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 24.MAY.2013 22:40:35

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

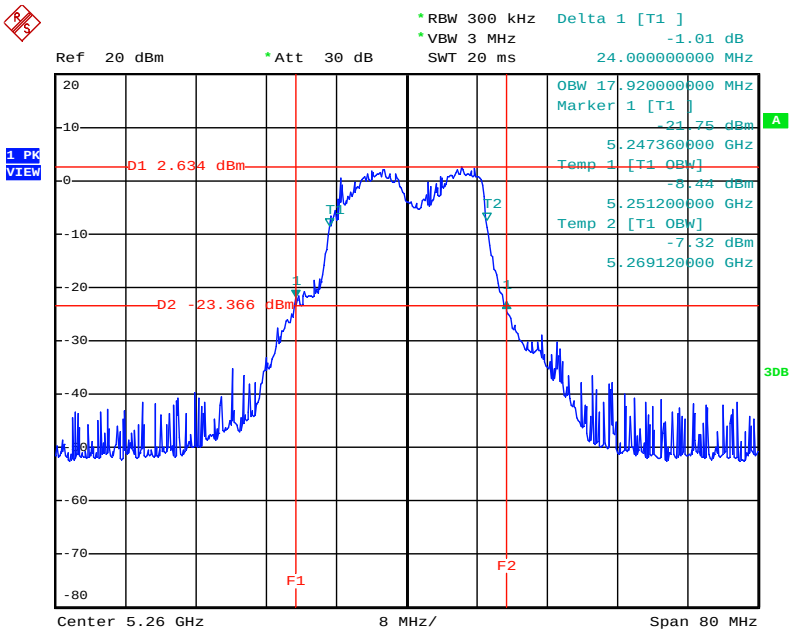


Date: 24.MAY.2013 22:43:03

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

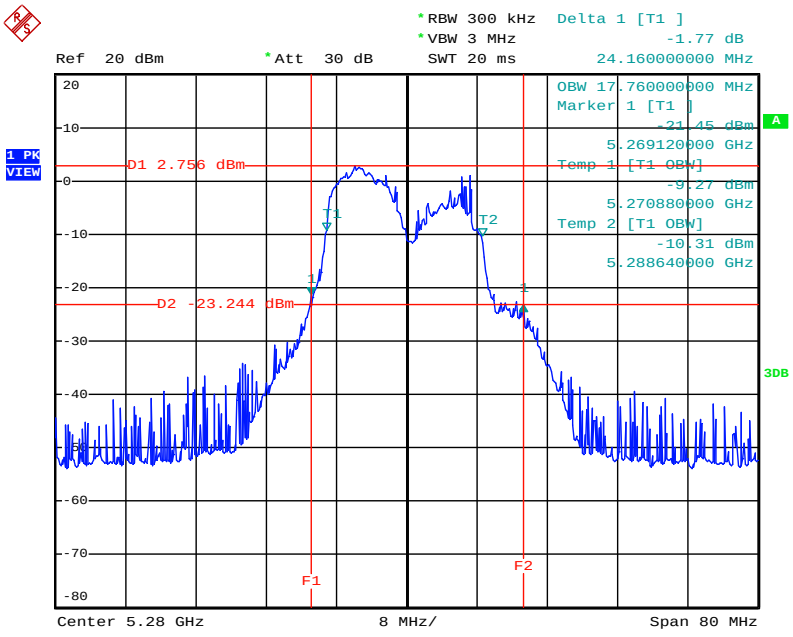
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



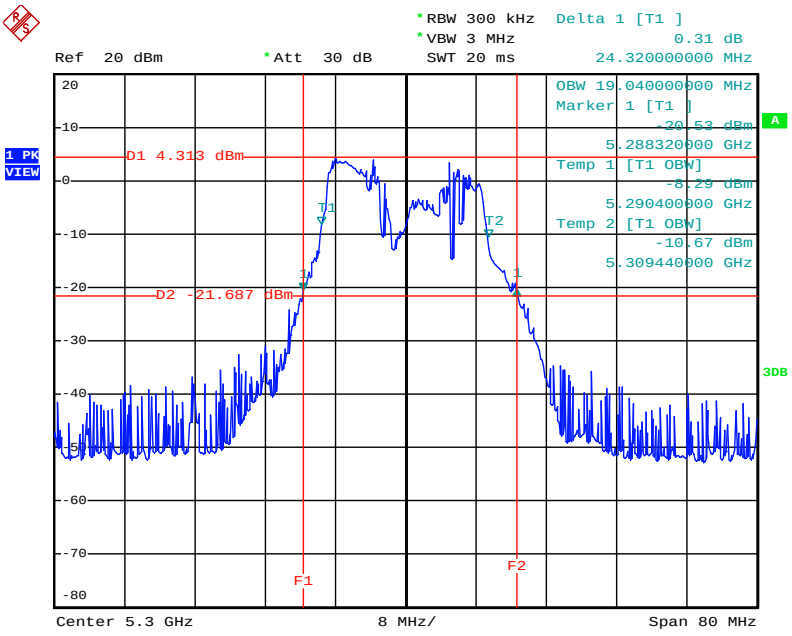
Date: 24.MAY.2013 20:04:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHZ



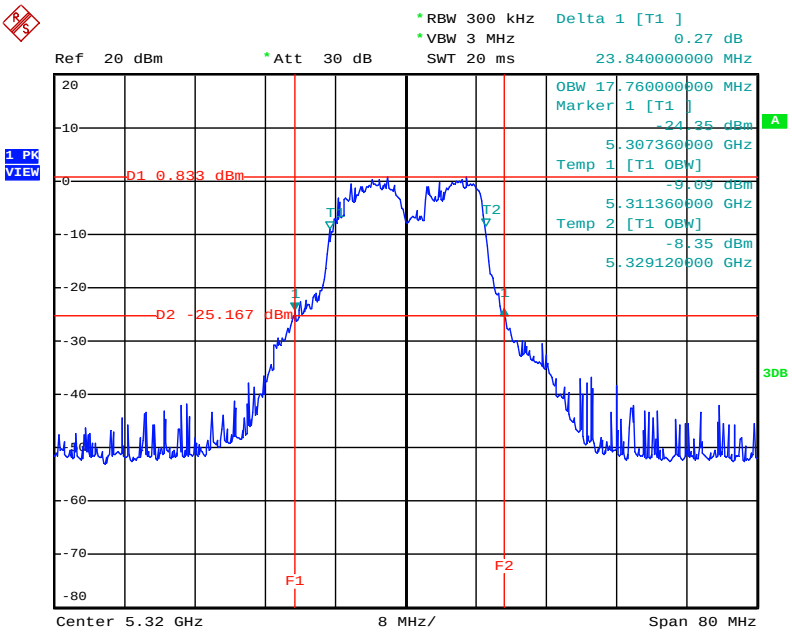
Date: 5.JUN.2013 01:56:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



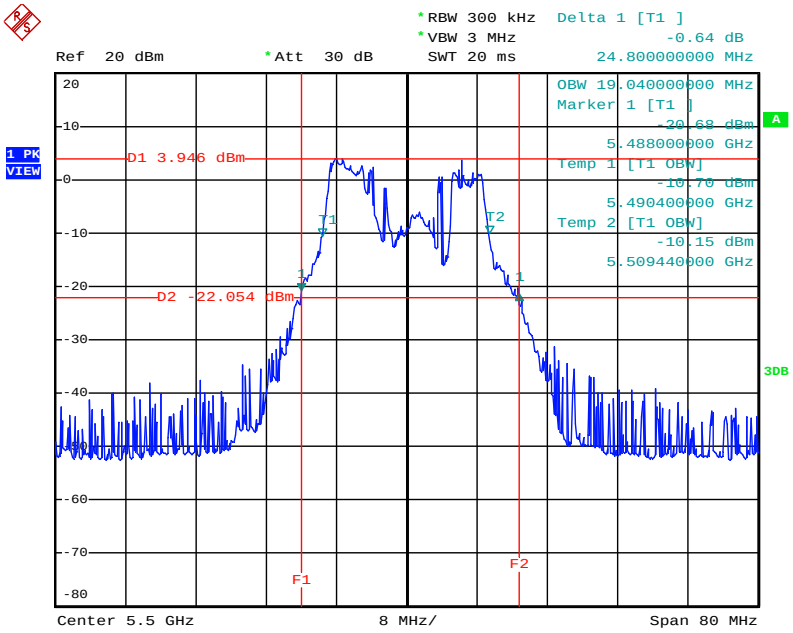
Date: 24.MAY.2013 20:07:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



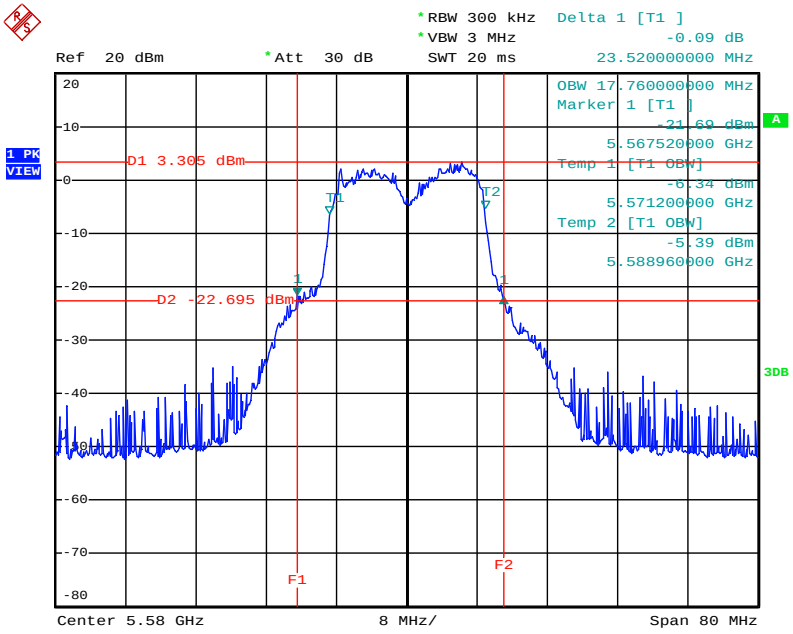
Date: 24.MAY.2013 20:07:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



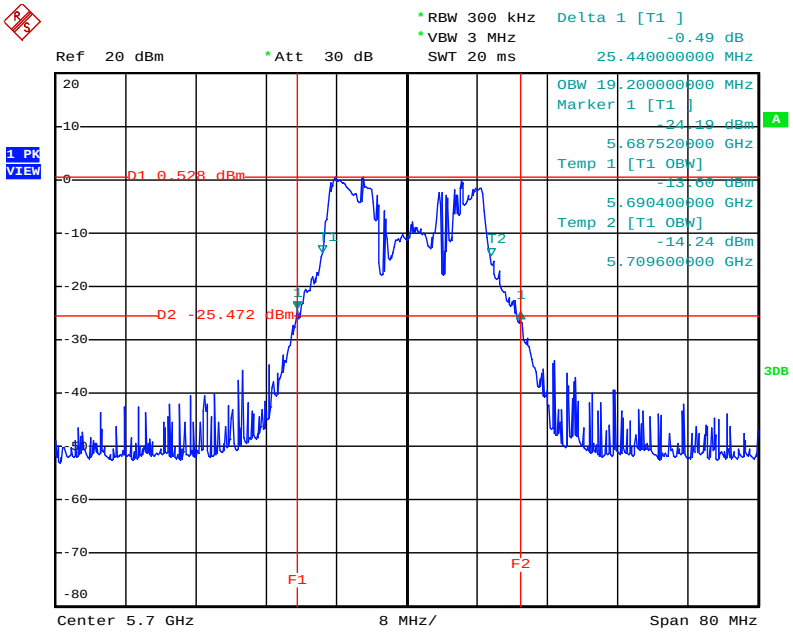
Date: 24.MAY.2013 20:14:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



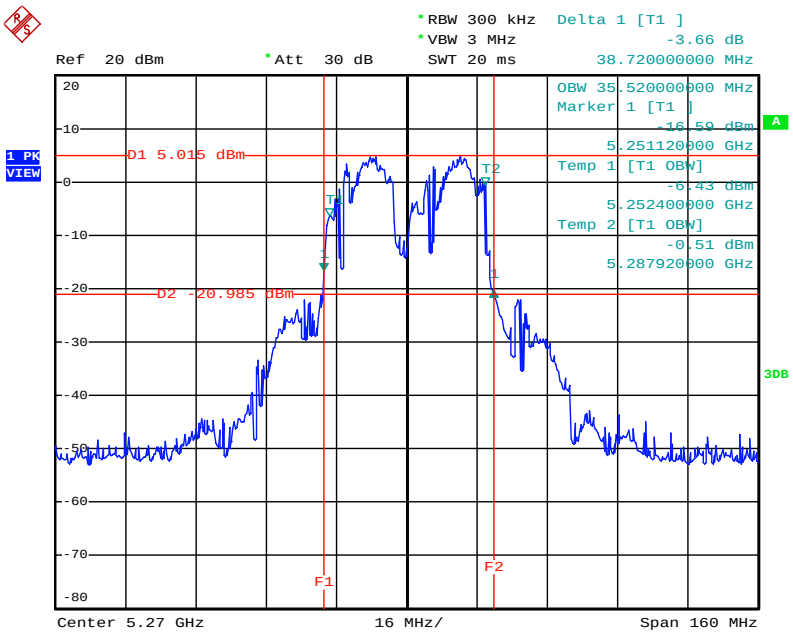
Date: 24.MAY.2013 20:16:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



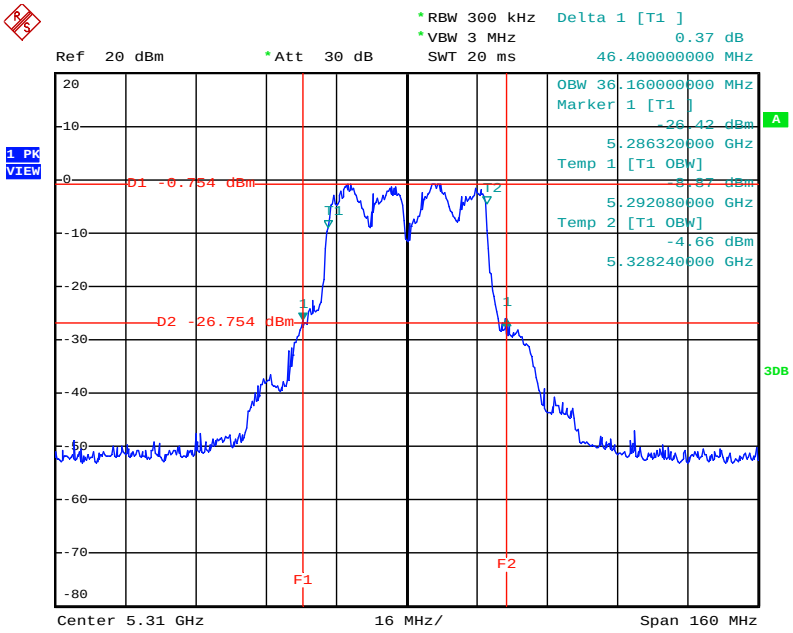
Date: 24.MAY.2013 20:29:03

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



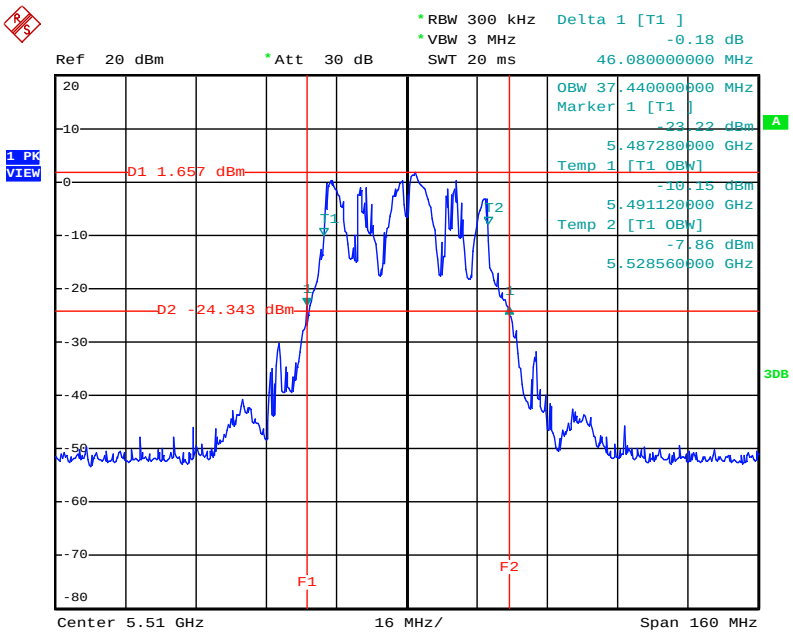
Date: 24.MAY.2013 20:31:38

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



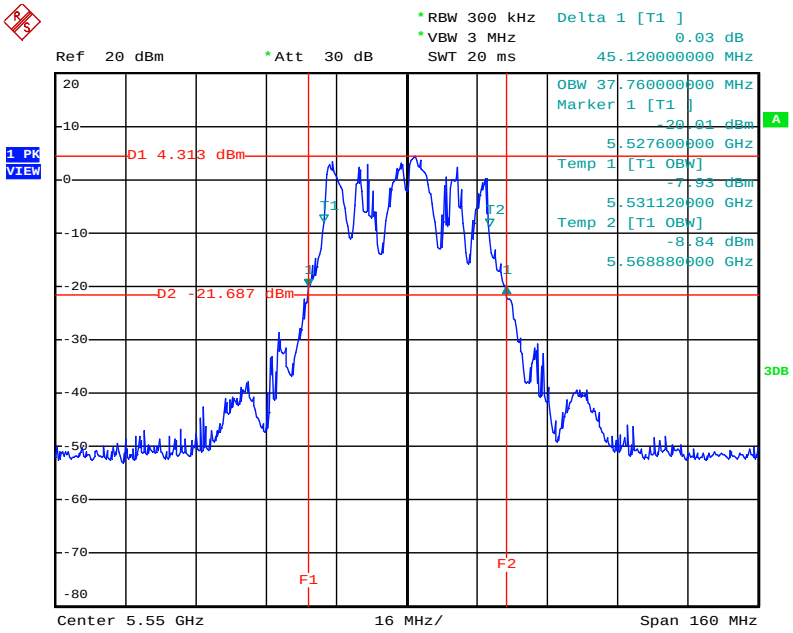
Date: 24.MAY.2013 20:32:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



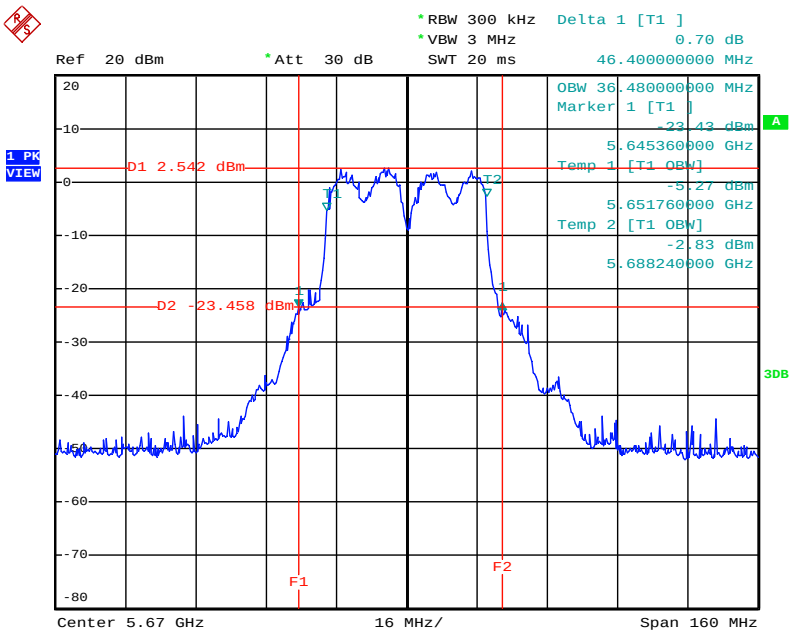
Date: 24.MAY.2013 20:37:49

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



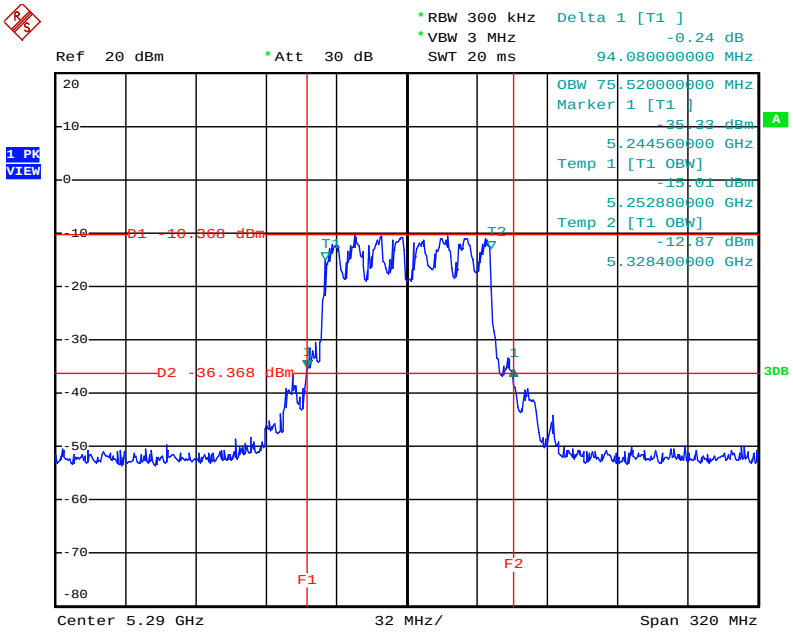
Date: 24.MAY.2013 20:38:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



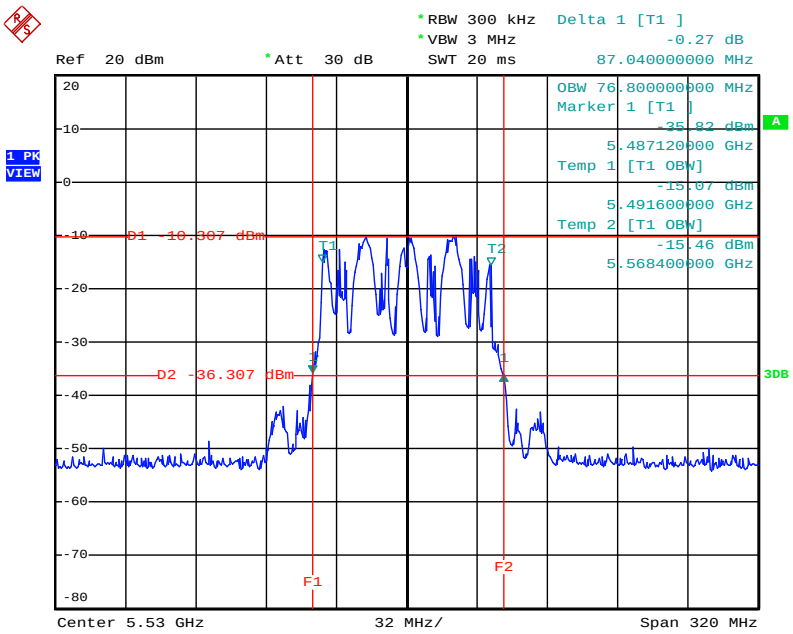
Date: 24.MAY.2013 20:41:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



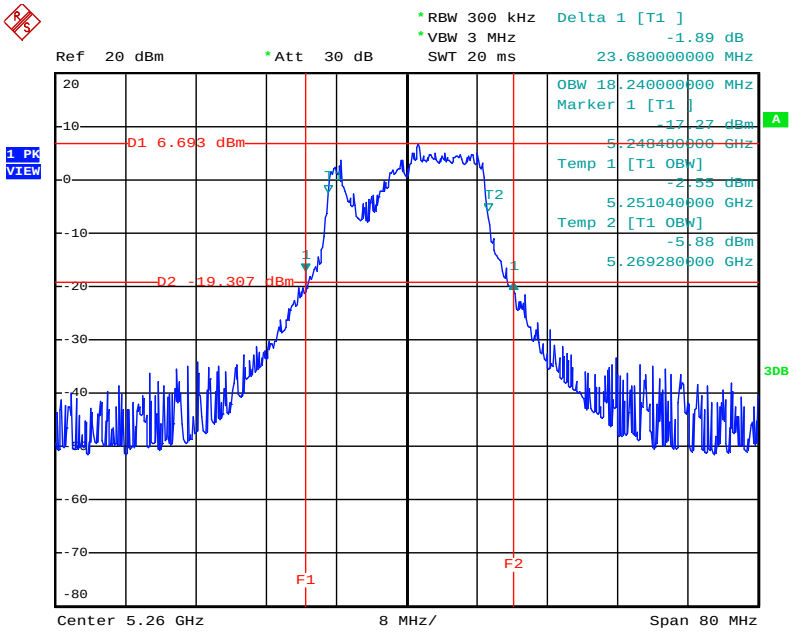
Date: 24.MAY.2013 20:45:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



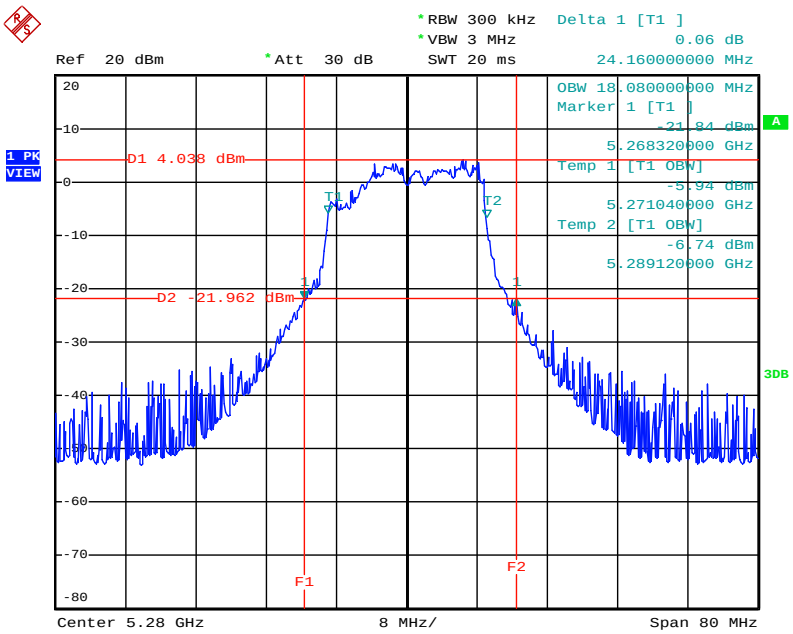
Date: 24.MAY.2013 20:46:19

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



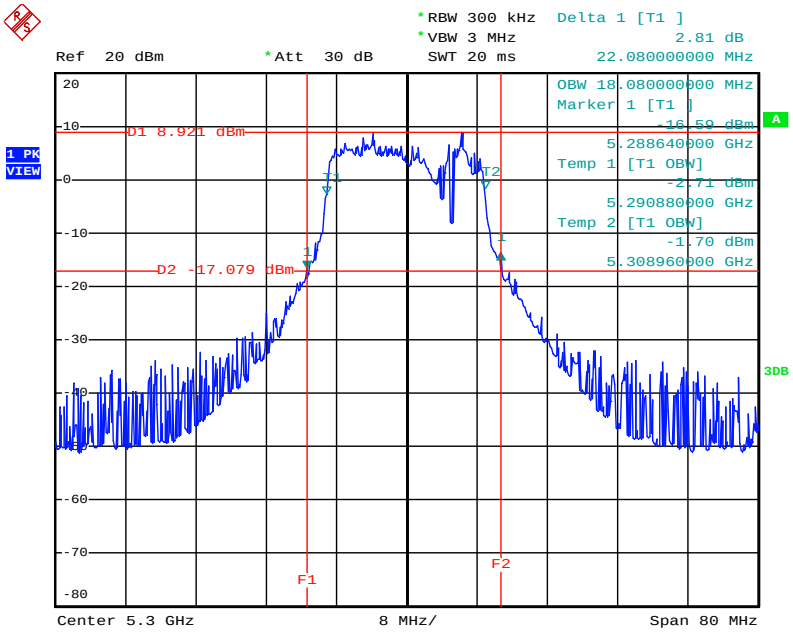
Date: 24.MAY.2013 21:19:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHZ



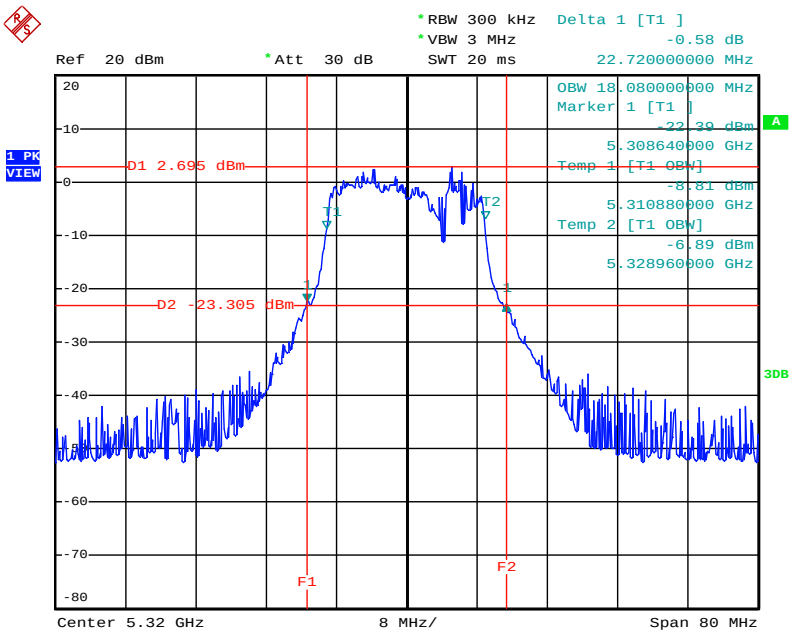
Date: 5.JUN.2013 01:57:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



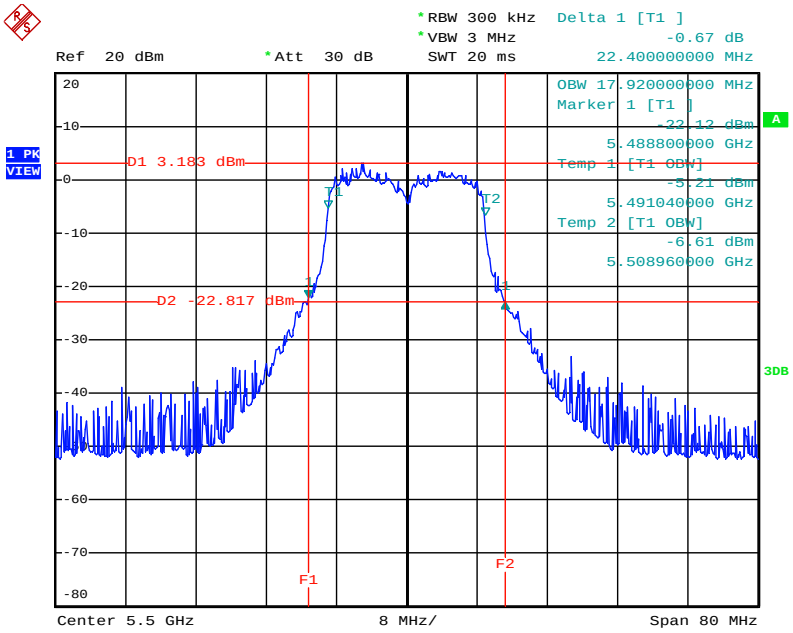
Date: 24.MAY.2013 21:20:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



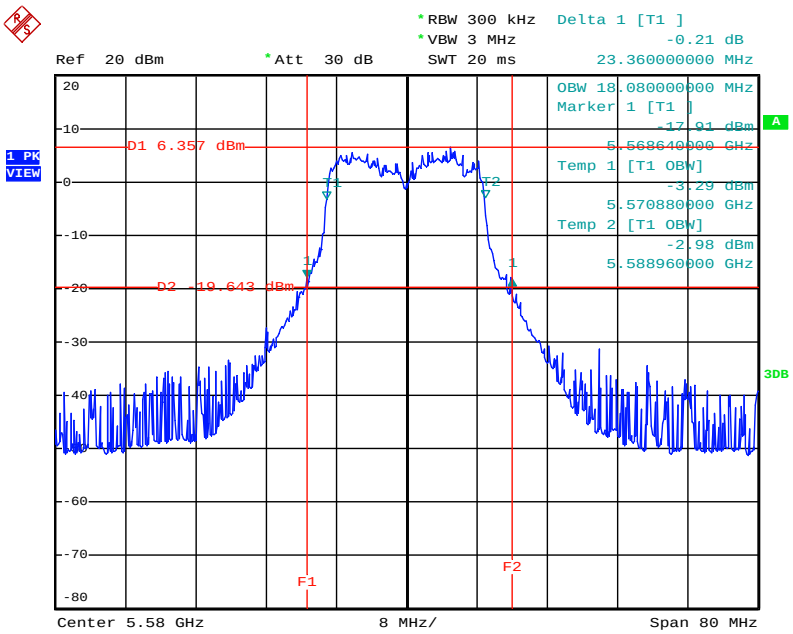
Date: 24.MAY.2013 21:22:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



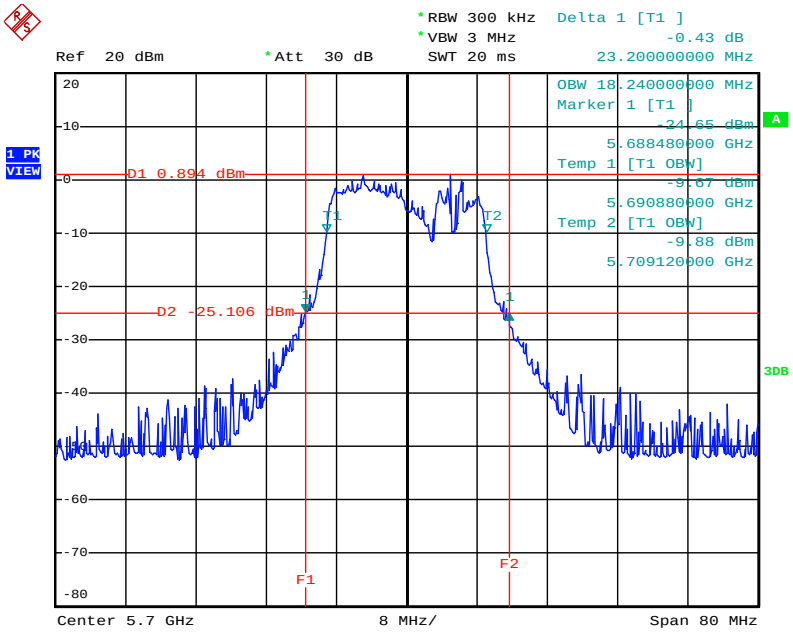
Date: 24.MAY.2013 21:28:08

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



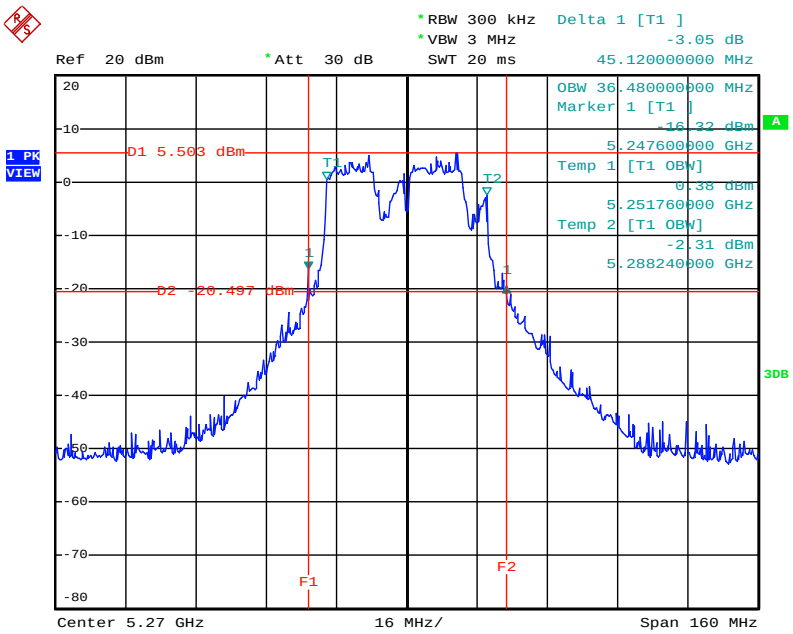
Date: 24.MAY.2013 21:28:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



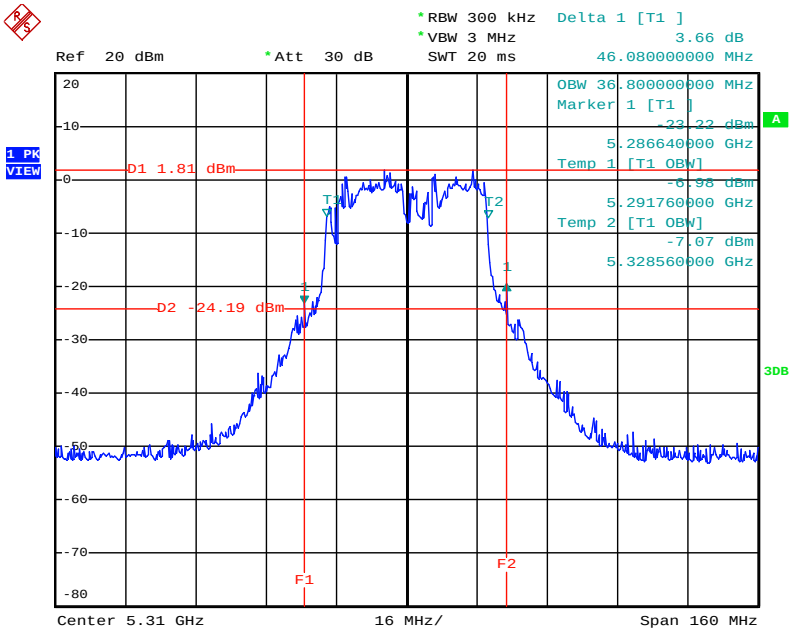
Date: 24.MAY.2013 21:31:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



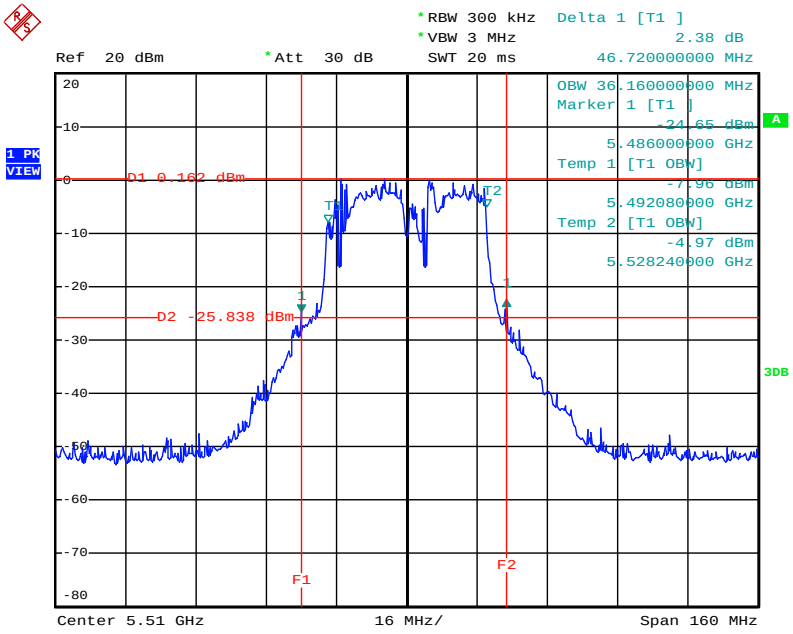
Date: 24.MAY.2013 21:34:58

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



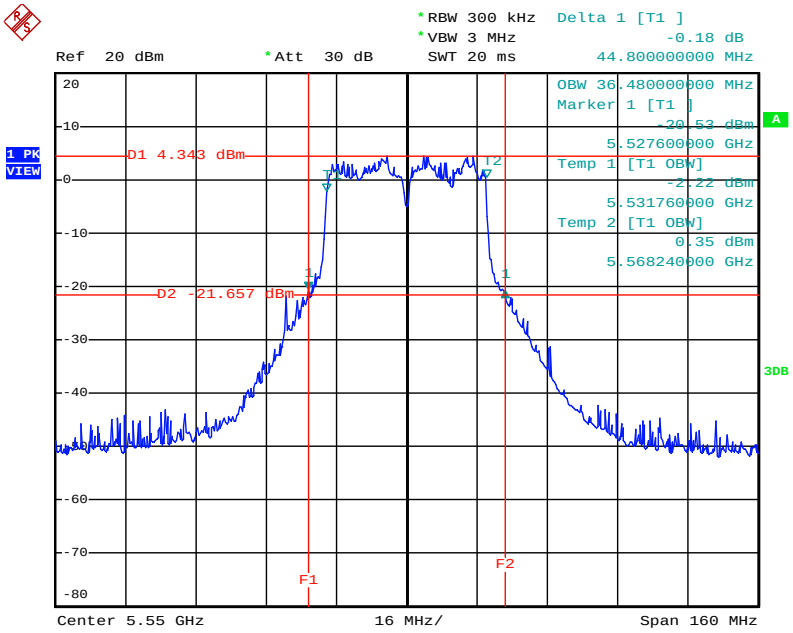
Date: 24.MAY.2013 21:35:25

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



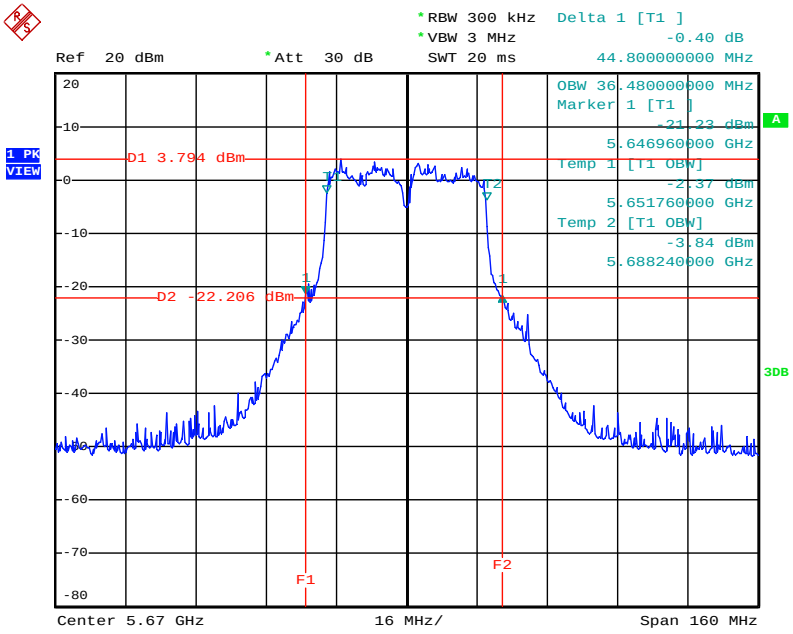
Date: 24.MAY.2013 21:40:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



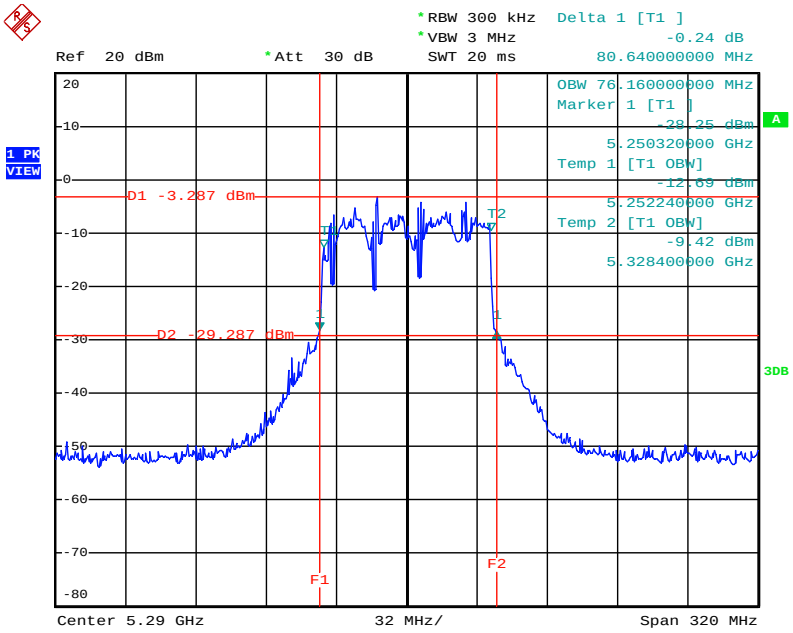
Date: 24.MAY.2013 21:40:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



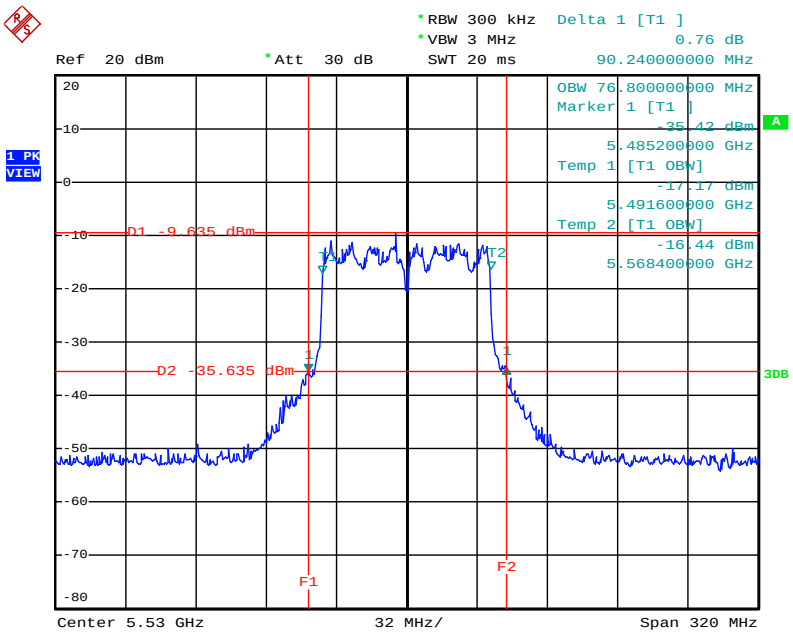
Date: 24.MAY.2013 21:43:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



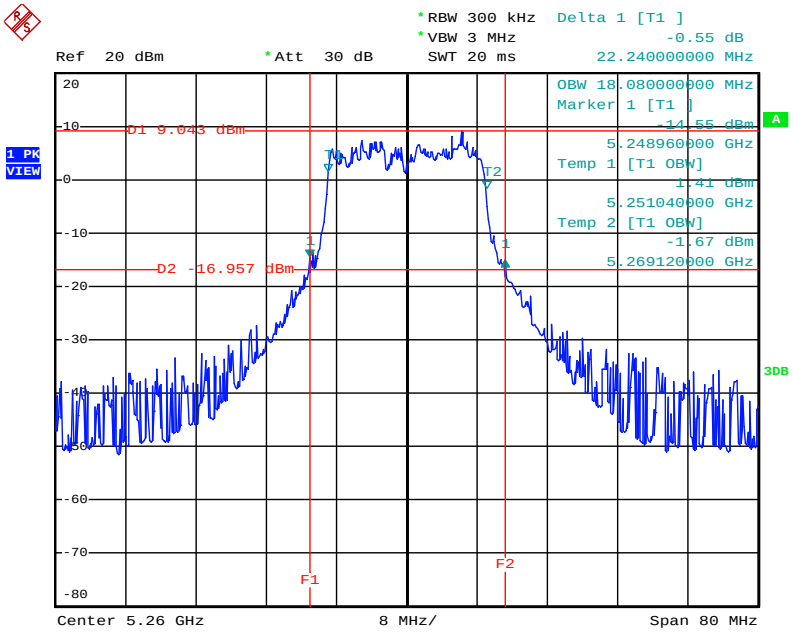
Date: 24.MAY.2013 21:49:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



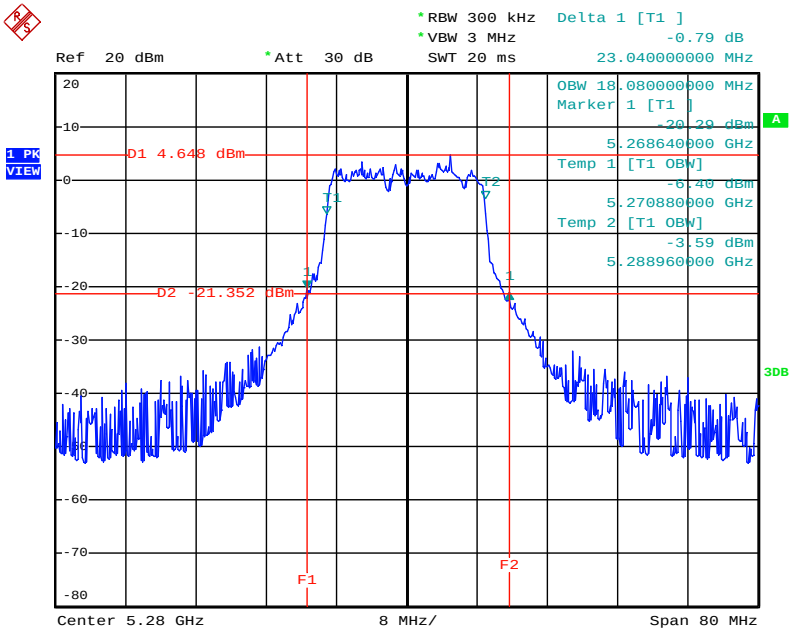
Date: 24.MAY.2013 21:44:58

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



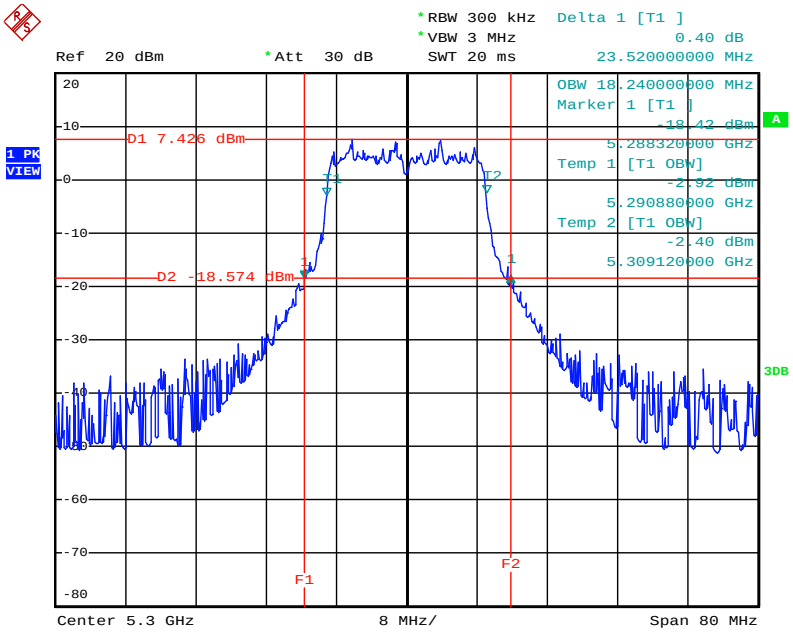
Date: 24.MAY.2013 22:08:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHZ



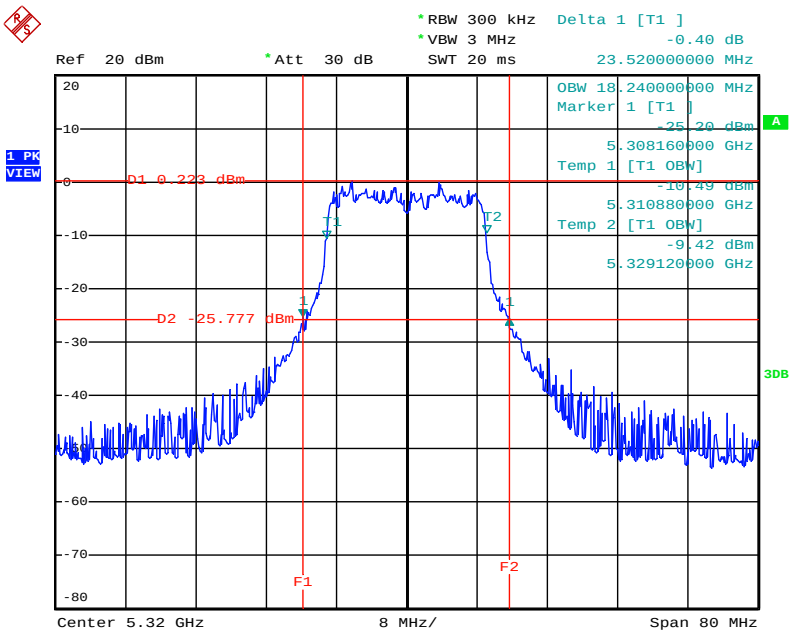
Date: 5.JUN.2013 01:59:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



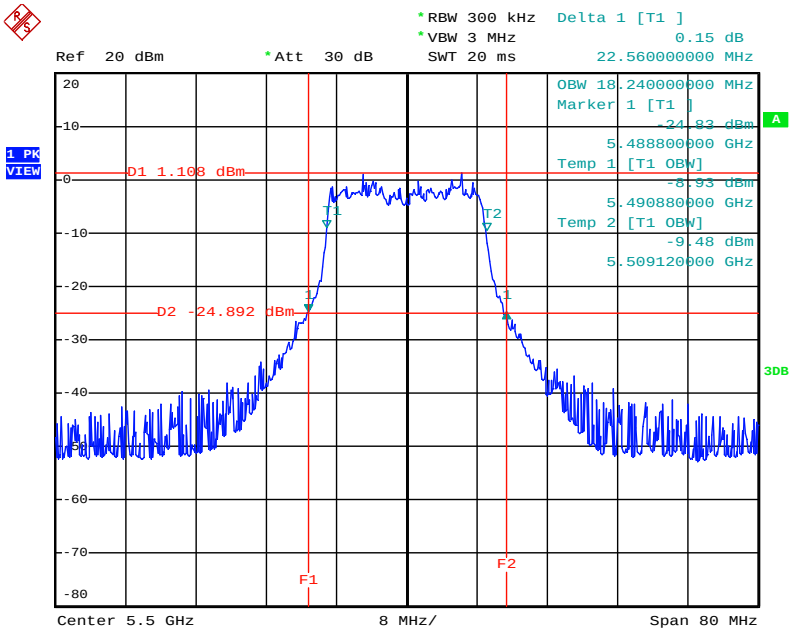
Date: 24.MAY.2013 22:10:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



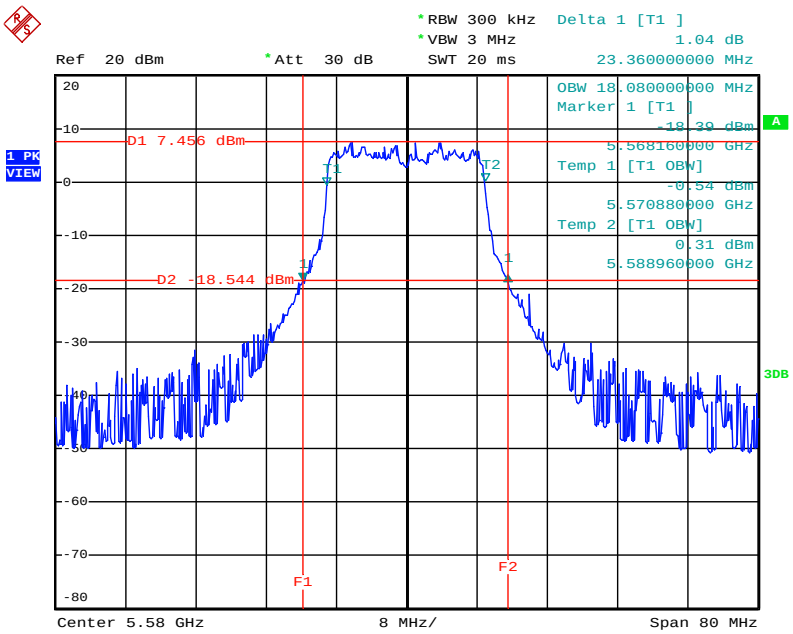
Date: 24.MAY.2013 22:16:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



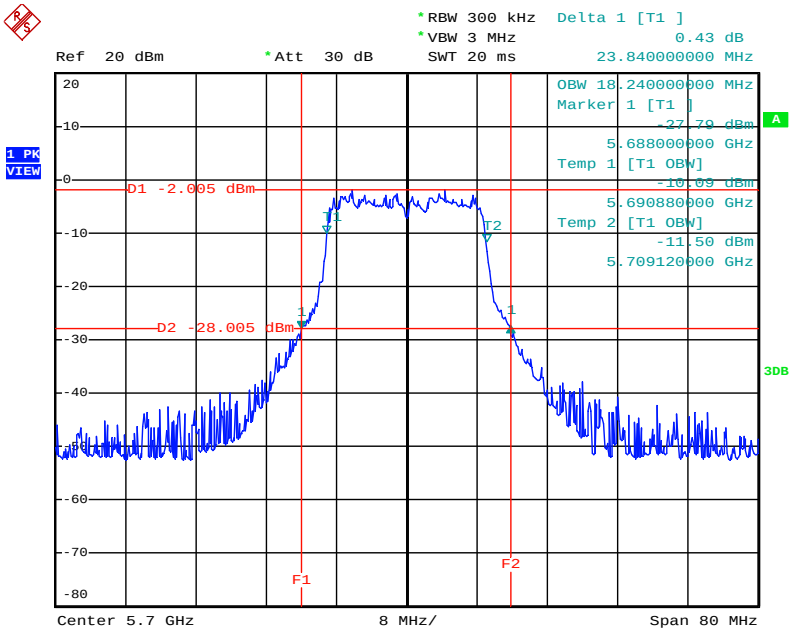
Date: 24.MAY.2013 22:22:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



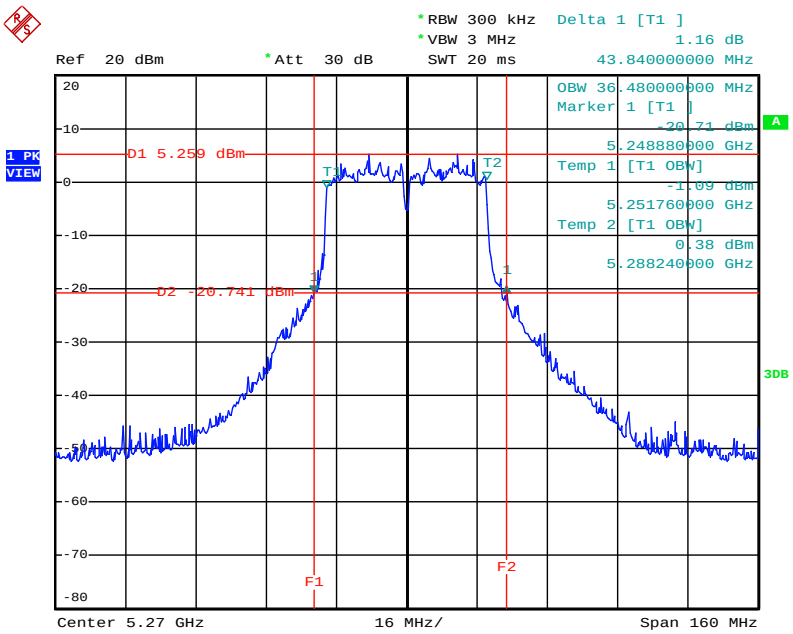
Date: 24.MAY.2013 22:22:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



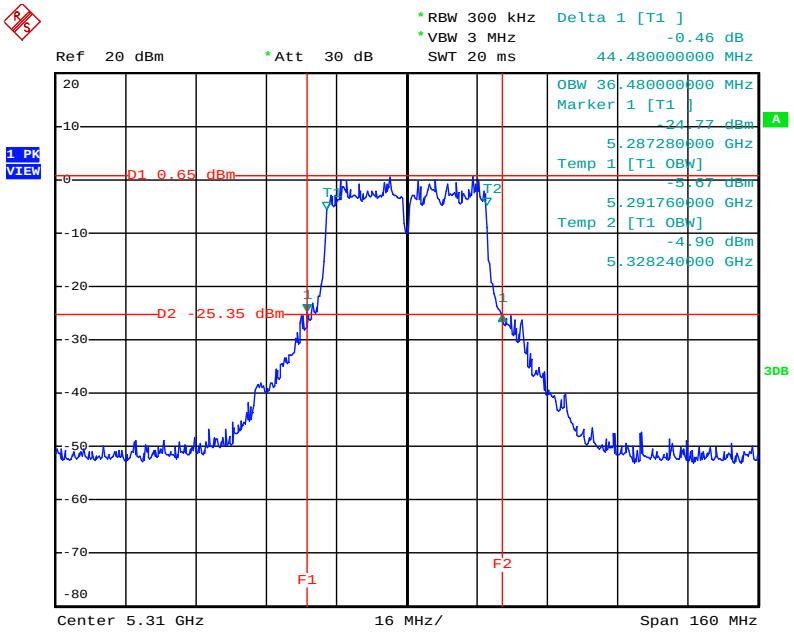
Date: 24.MAY.2013 22:25:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



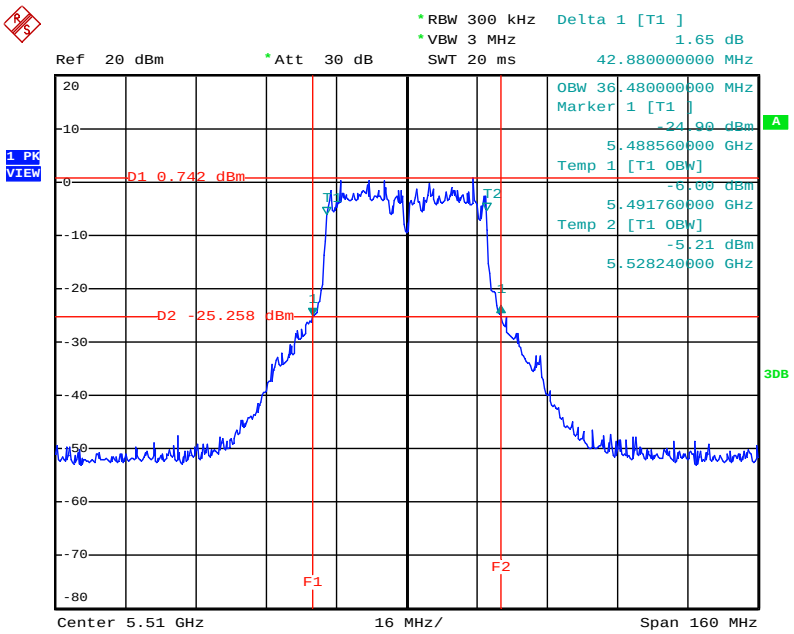
Date: 24.MAY.2013 22:35:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



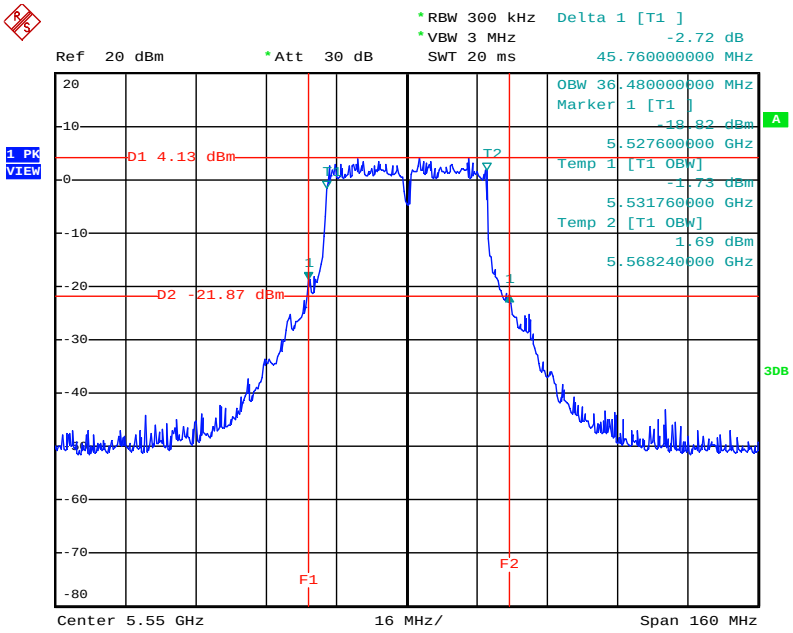
Date: 24.MAY.2013 22:36:24

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



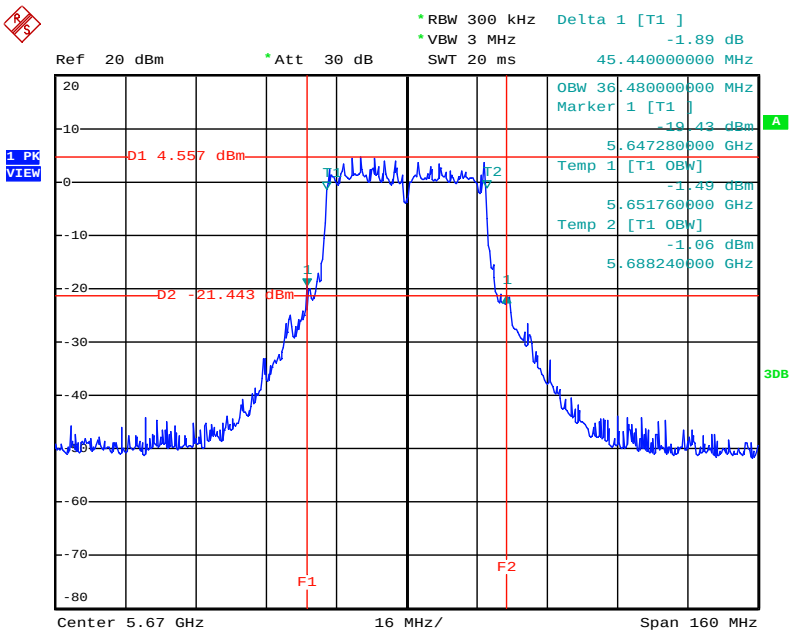
Date: 24.MAY.2013 22:30:05

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



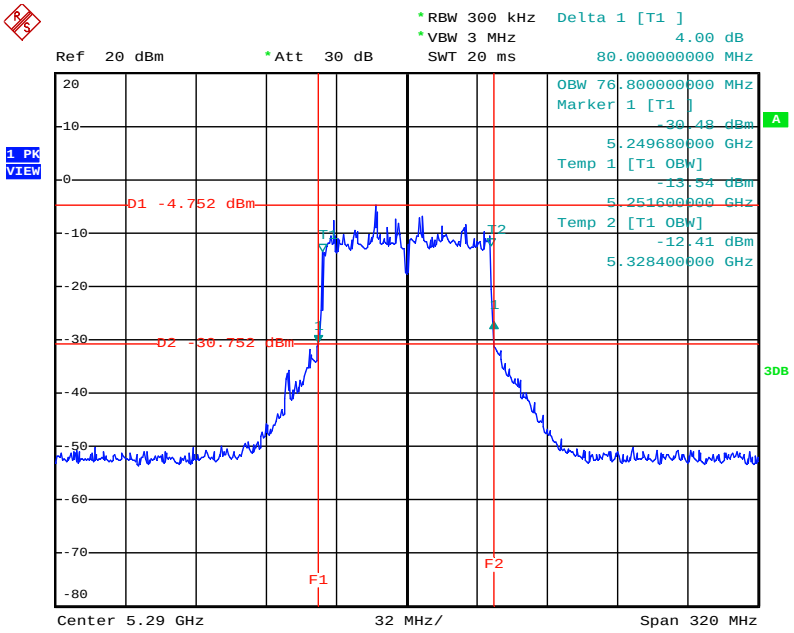
Date: 24.MAY.2013 22:29:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



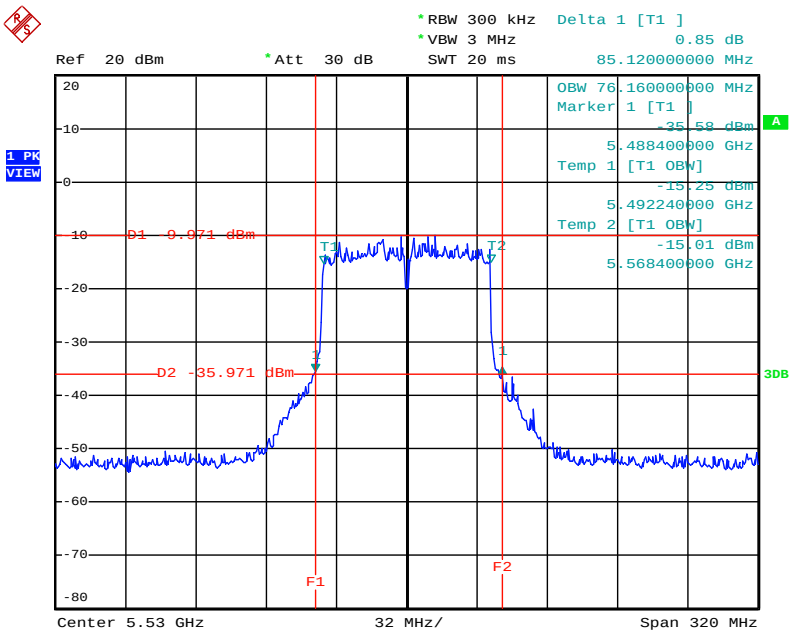
Date: 24.MAY.2013 22:26:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 24.MAY.2013 22:41:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

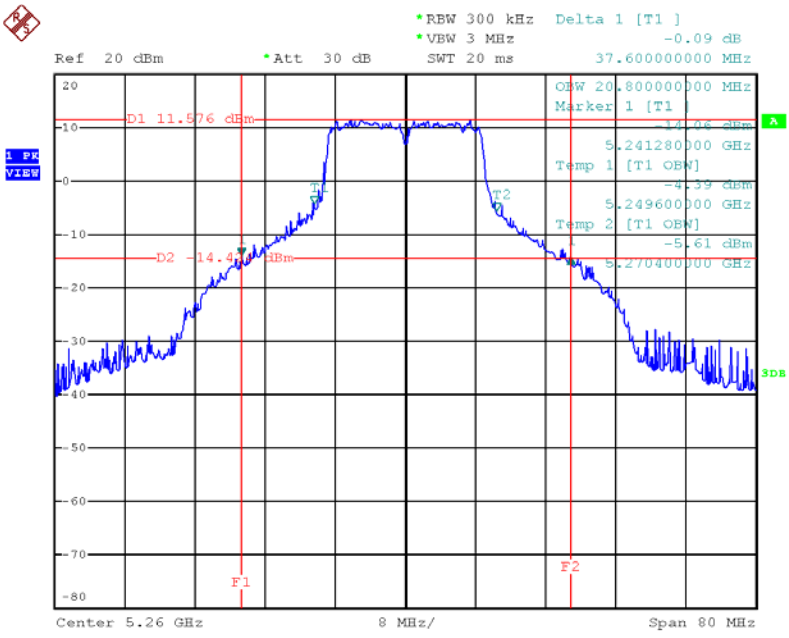


Date: 24.MAY.2013 22:42:12

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

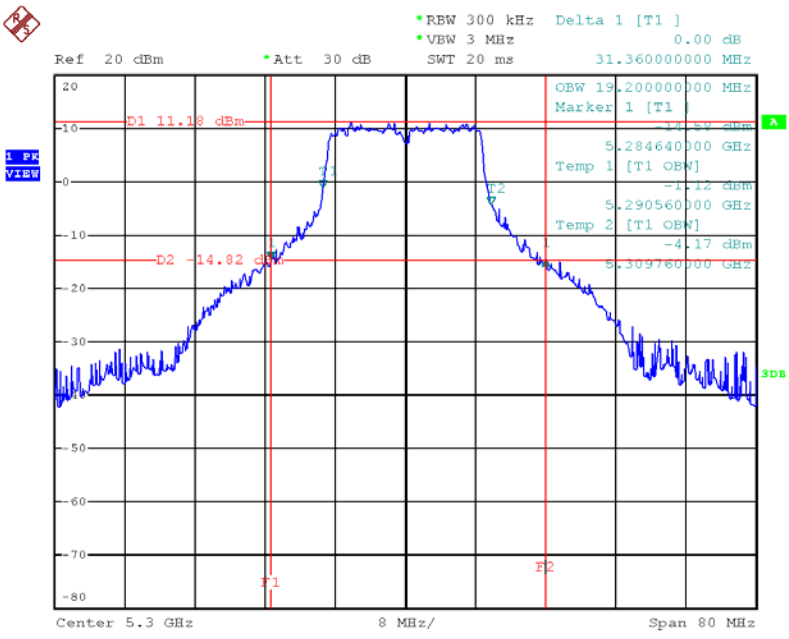
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



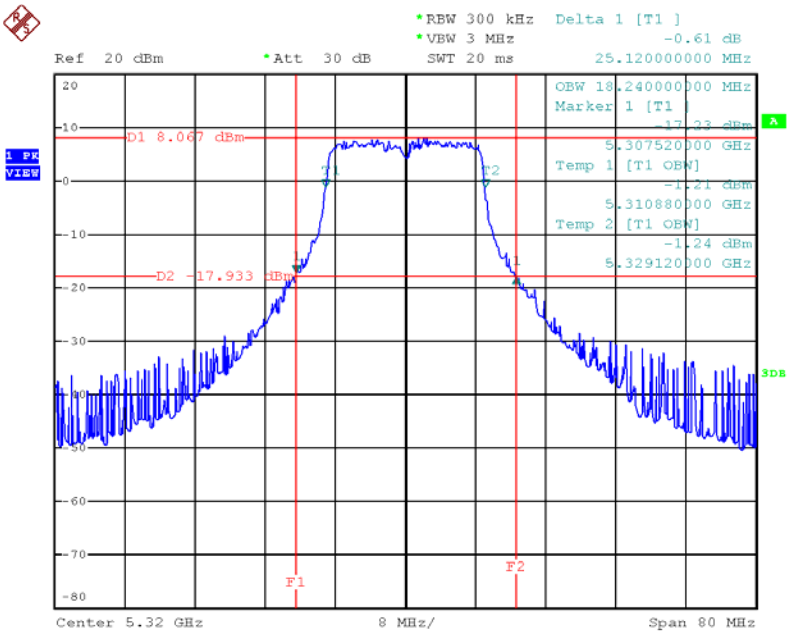
Date: 8.JUL.2013 22:05:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHZ



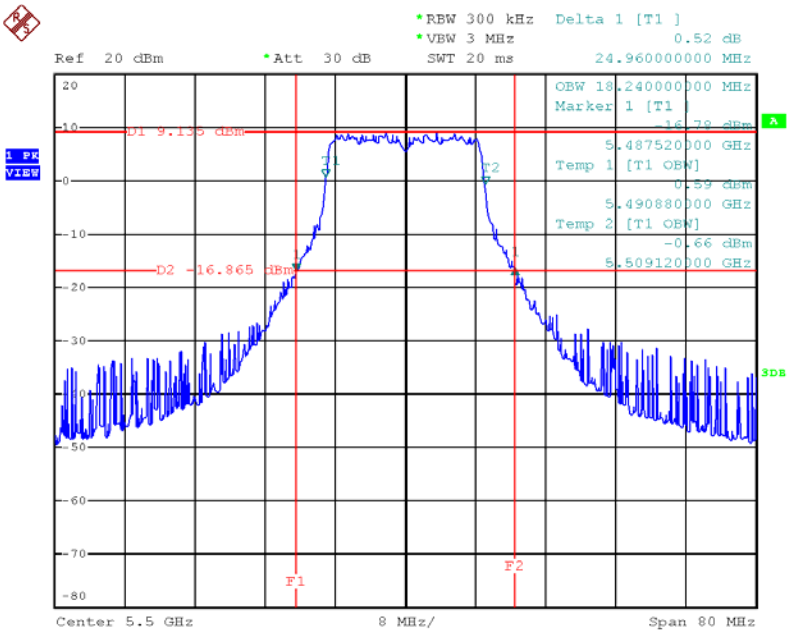
Date: 8.JUL.2013 22:06:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHz



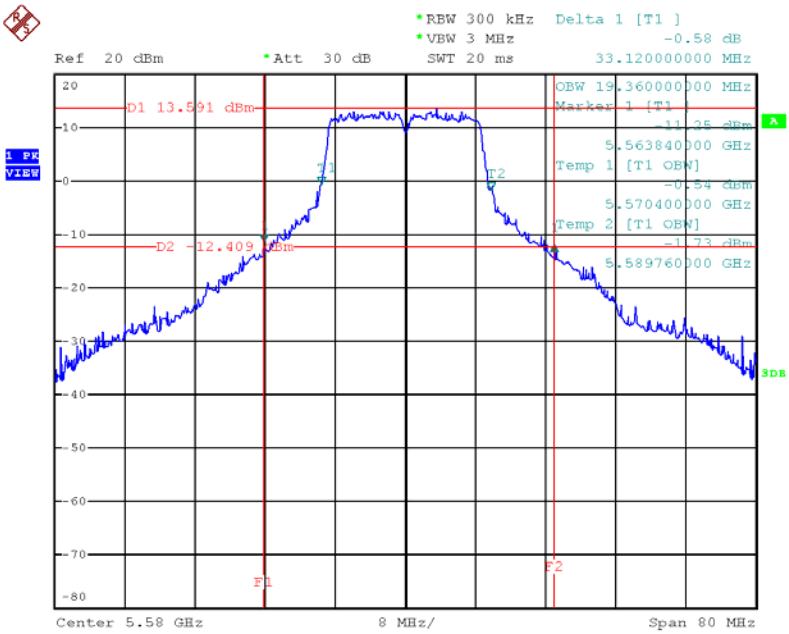
Date: 8.JUL.2013 22:07:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



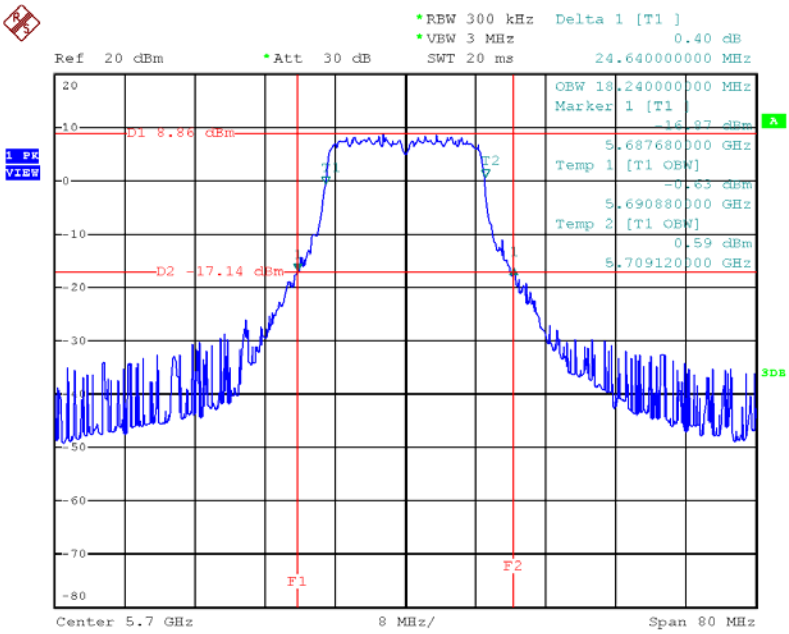
Date: 8.JUL.2013 22:08:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



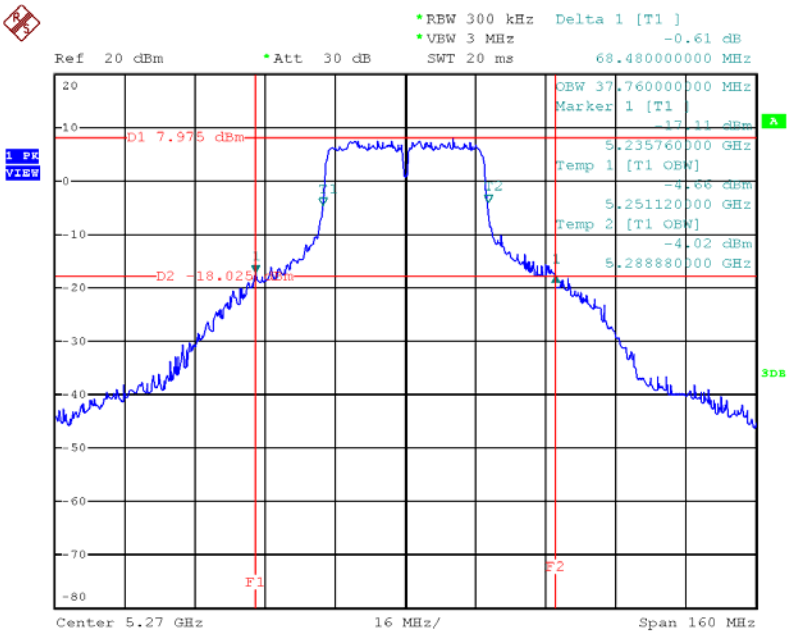
Date: 8.JUL.2013 22:09:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



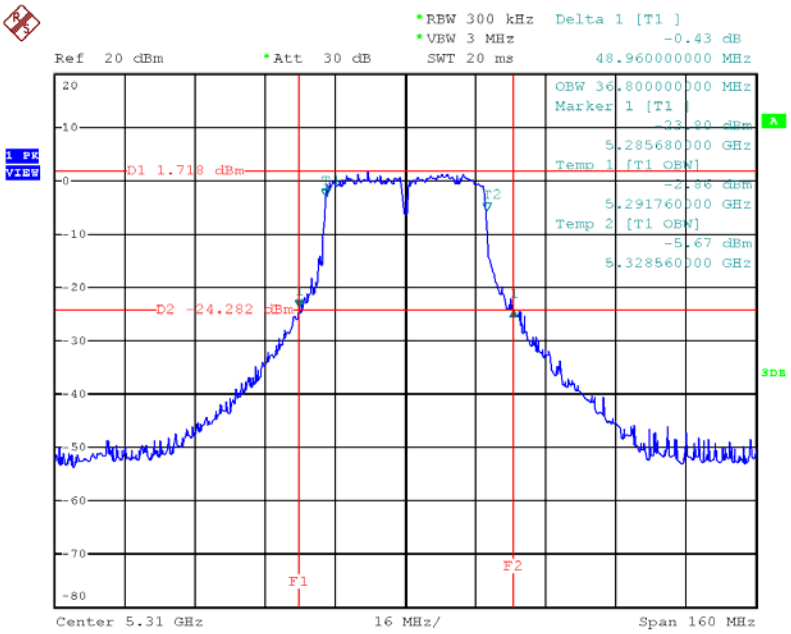
Date: 8.JUL.2013 22:11:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



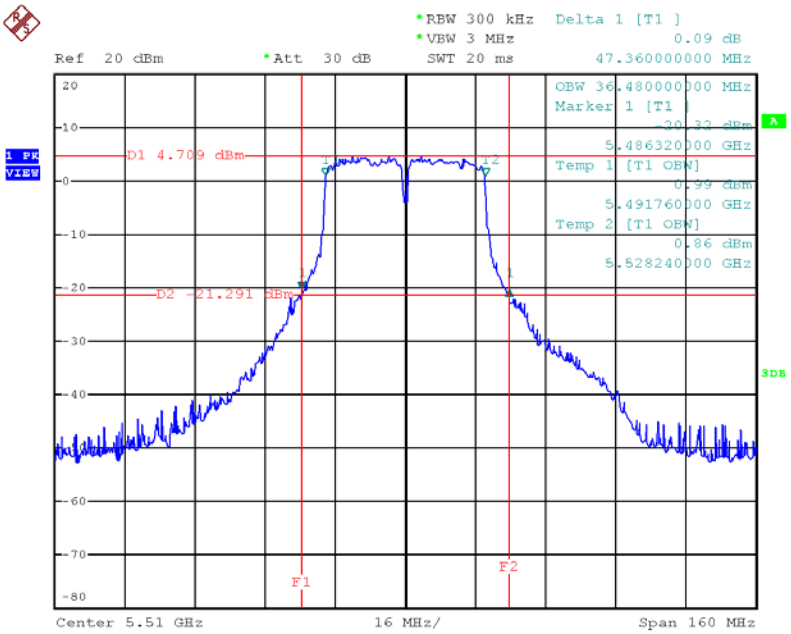
Date: 8.JUL.2013 21:58:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



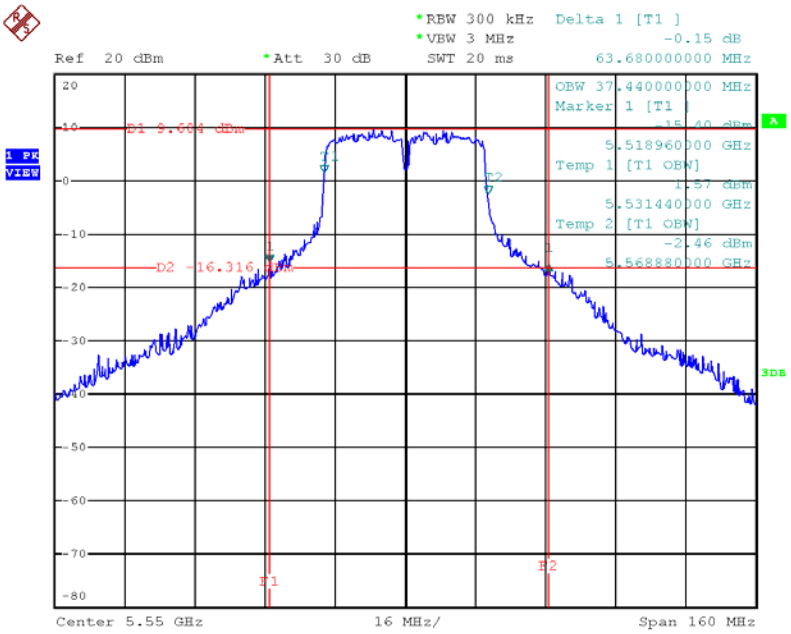
Date: 8.JUL.2013 21:59:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



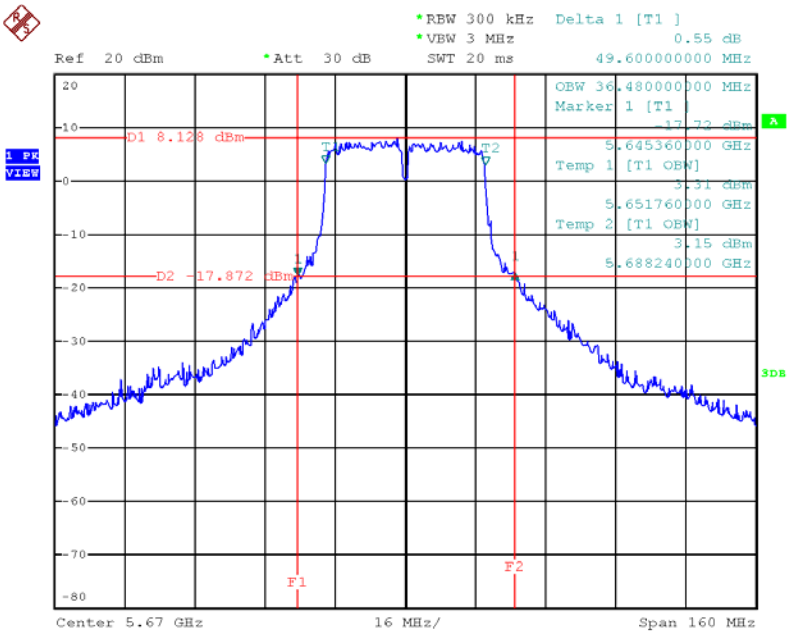
Date: 8.JUL.2013 22:00:53

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



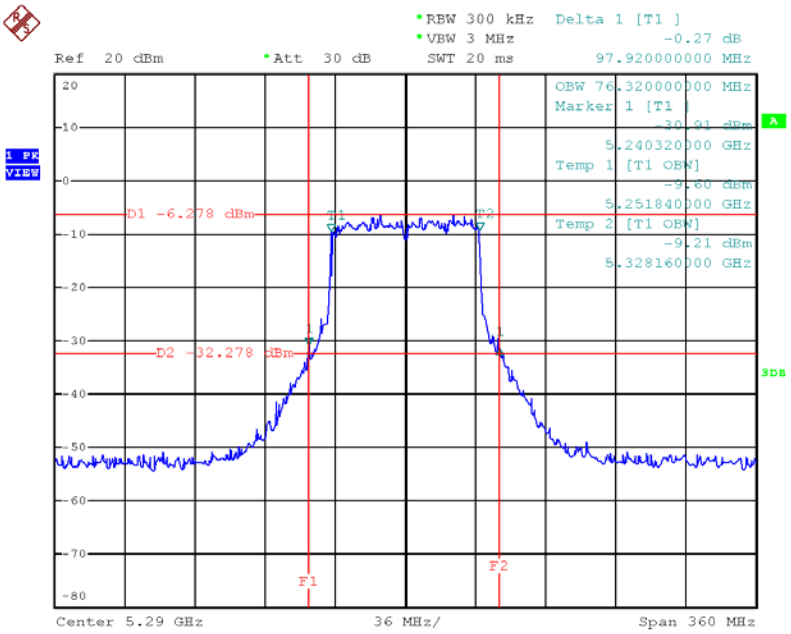
Date: 8.JUL.2013 22:02:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



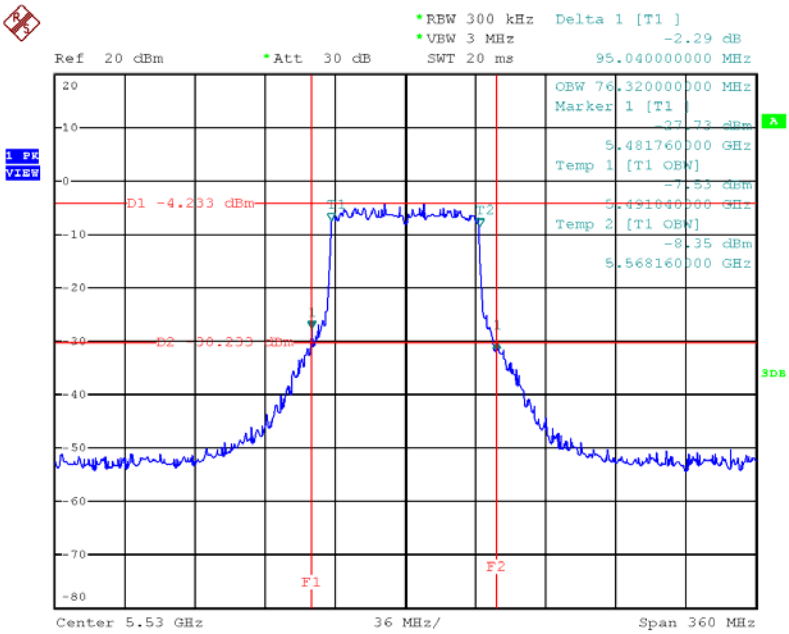
Date: 8.JUL.2013 22:03:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 8.JUL.2013 21:56:16

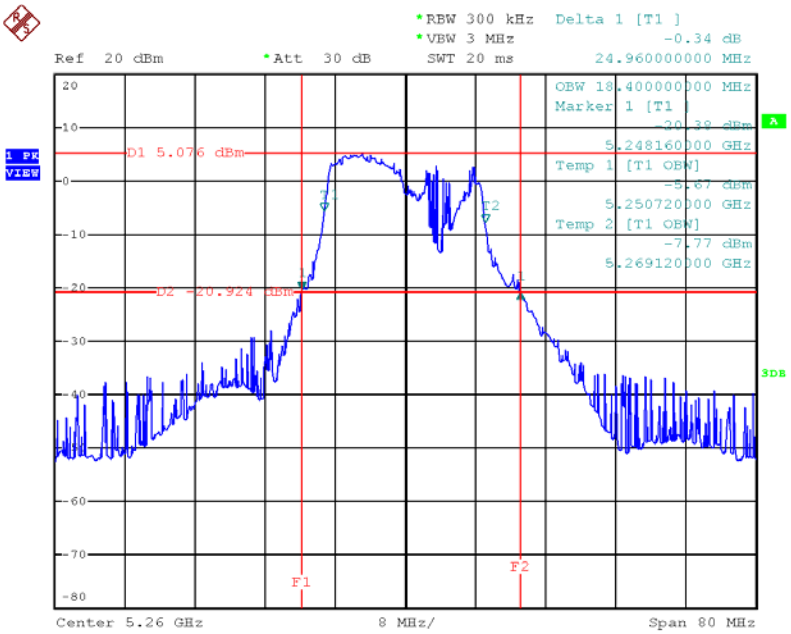
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 8.JUL.2013 21:53:34

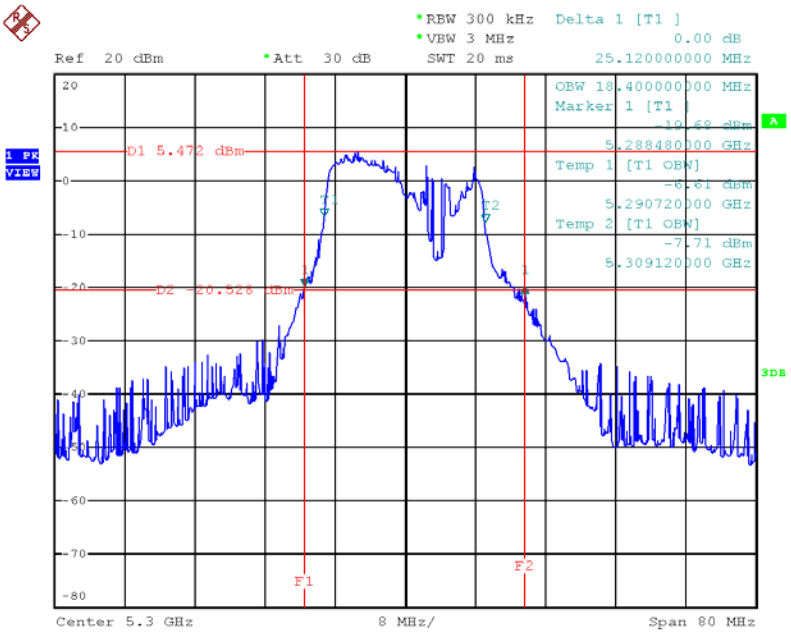
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



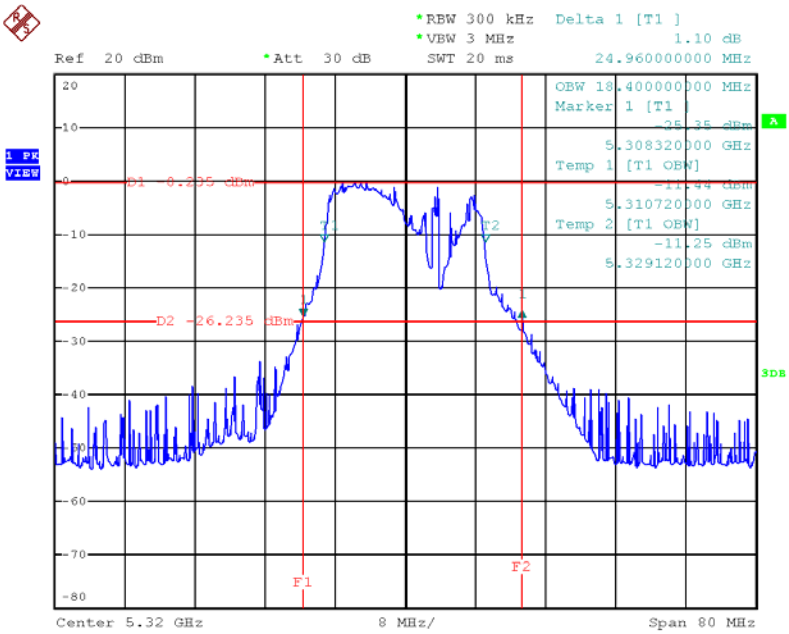
Date: 8.JUL.2013 21:24:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHZ



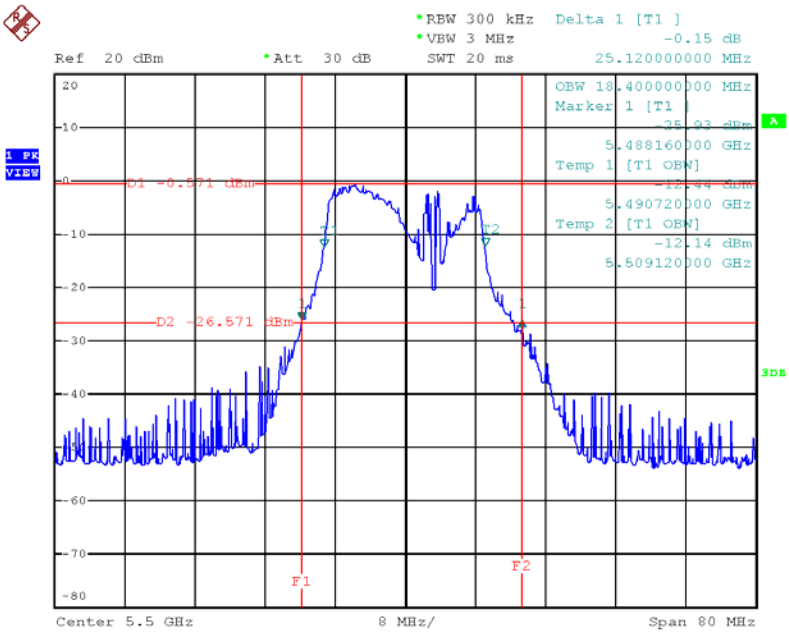
Date: 8.JUL.2013 21:25:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



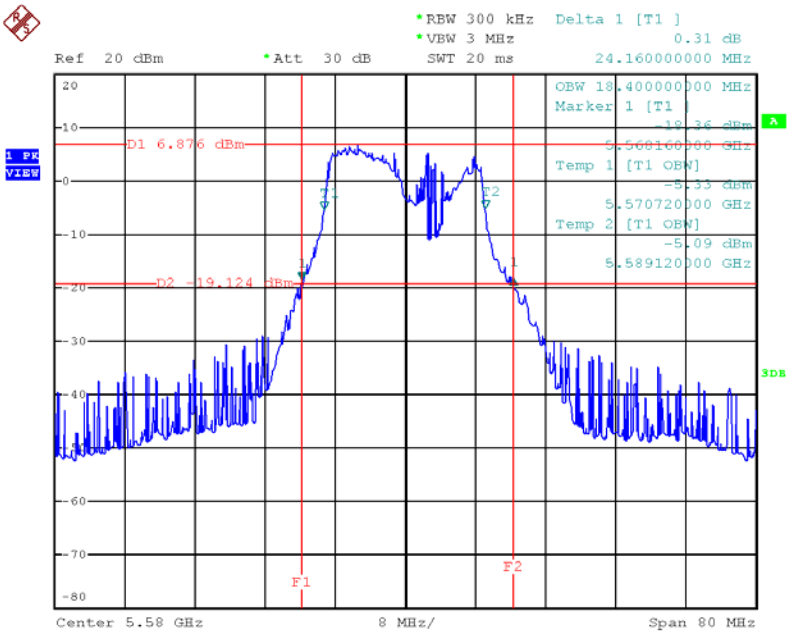
Date: 8.JUL.2013 21:31:08

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



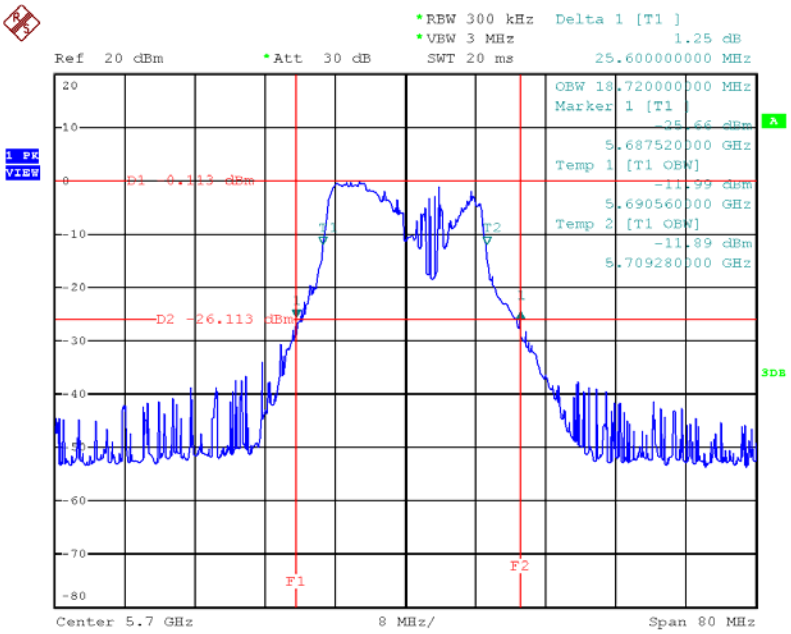
Date: 8.JUL.2013 21:26:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



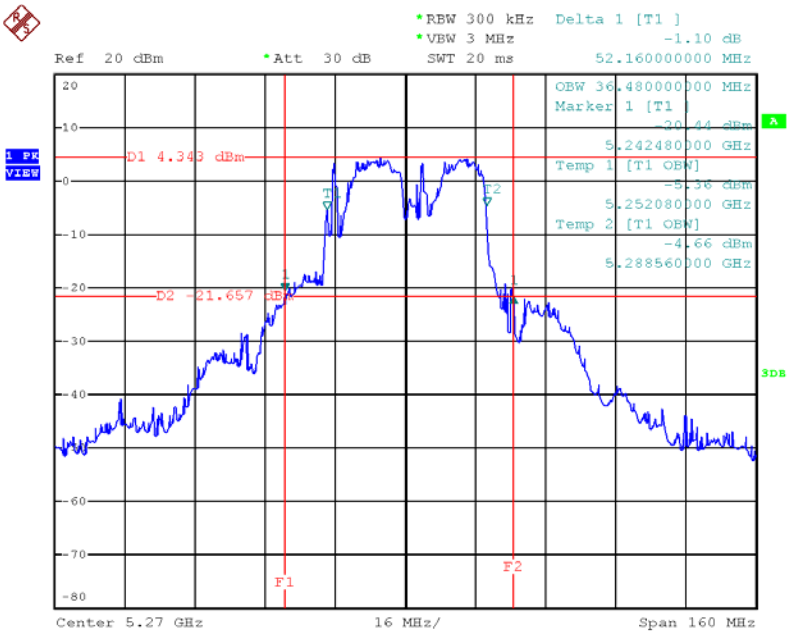
Date: 8.JUL.2013 21:28:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



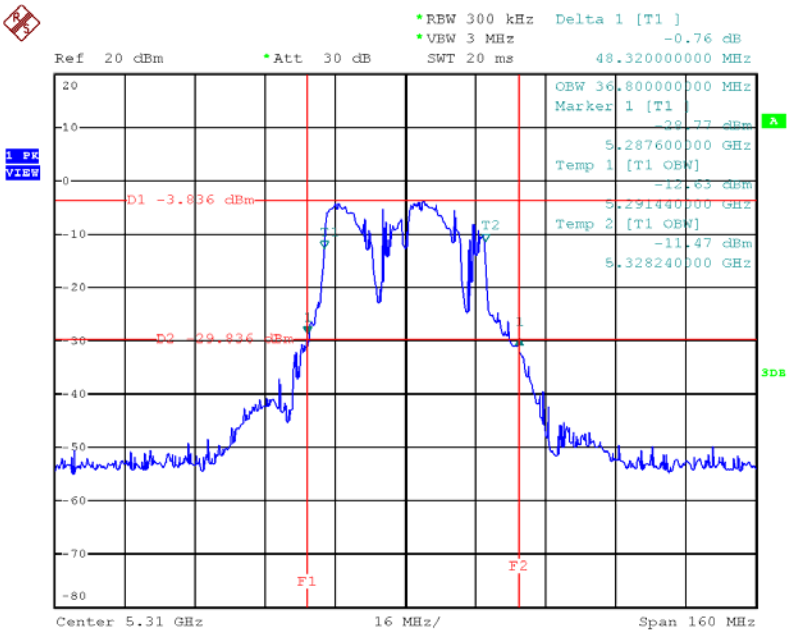
Date: 8.JUL.2013 21:29:19

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



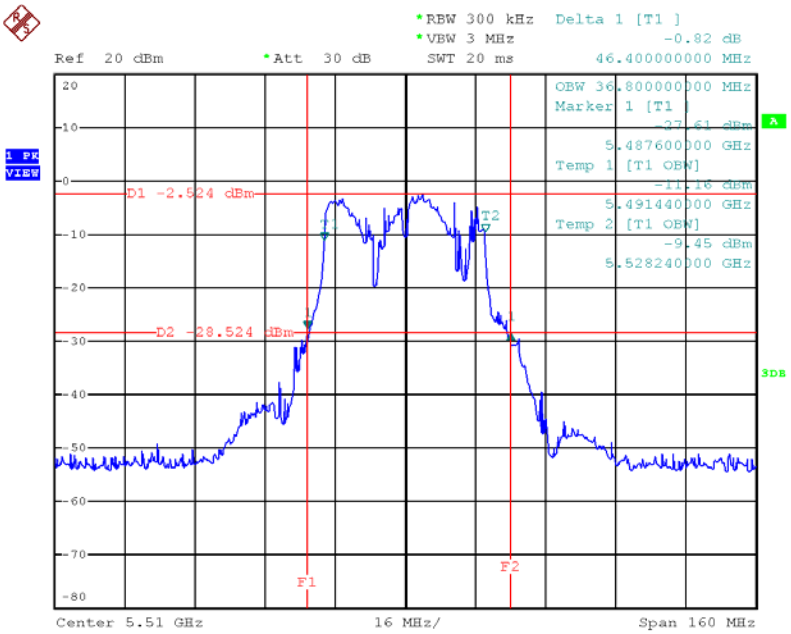
Date: 8.JUL.2013 21:37:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz

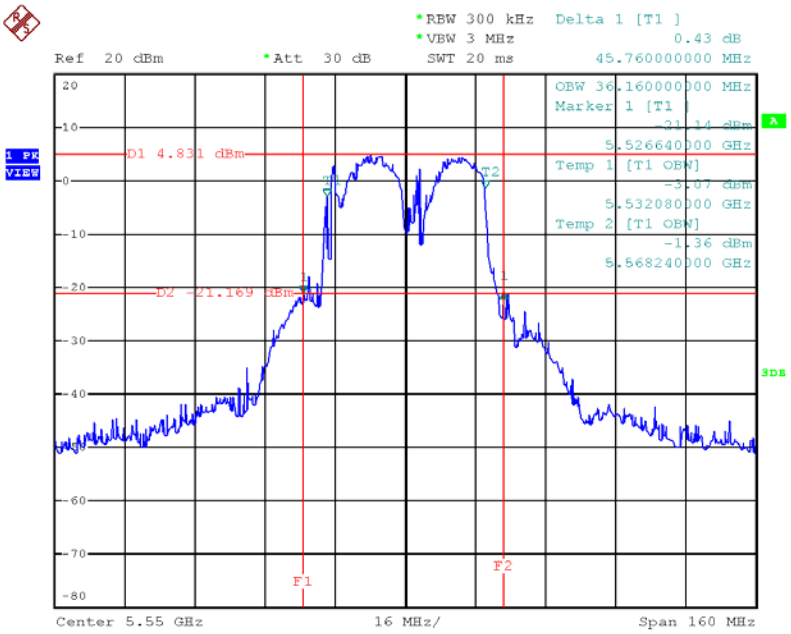


Date: 8.JUL.2013 21:38:54

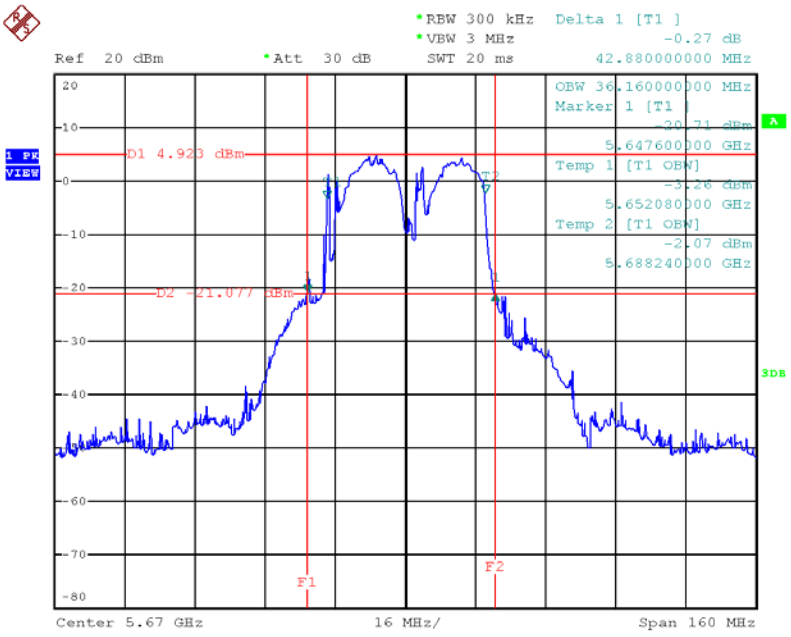
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz

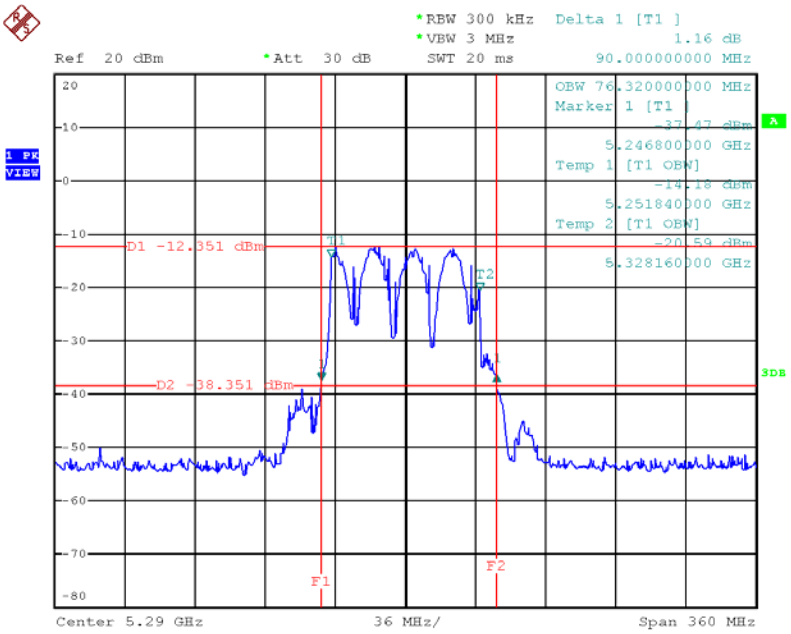


26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



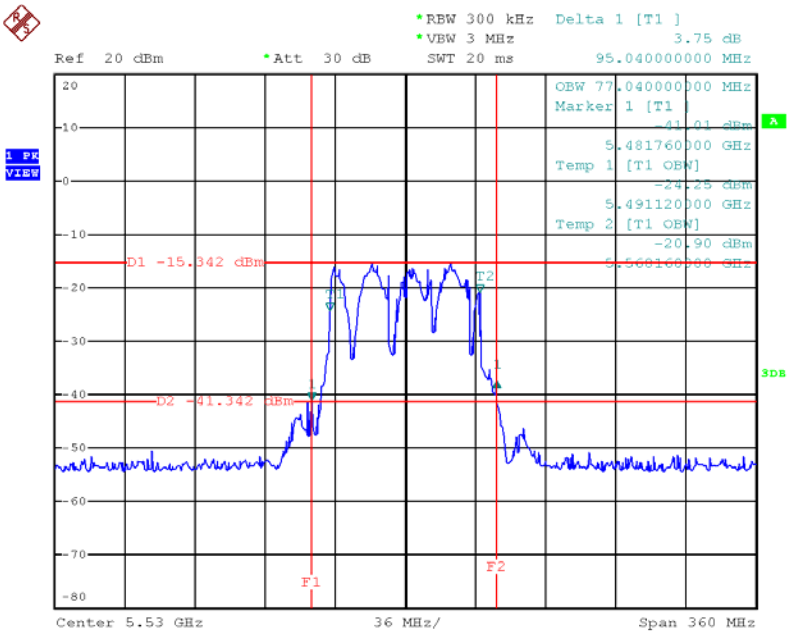
Date: 8.JUL.2013 21:42:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



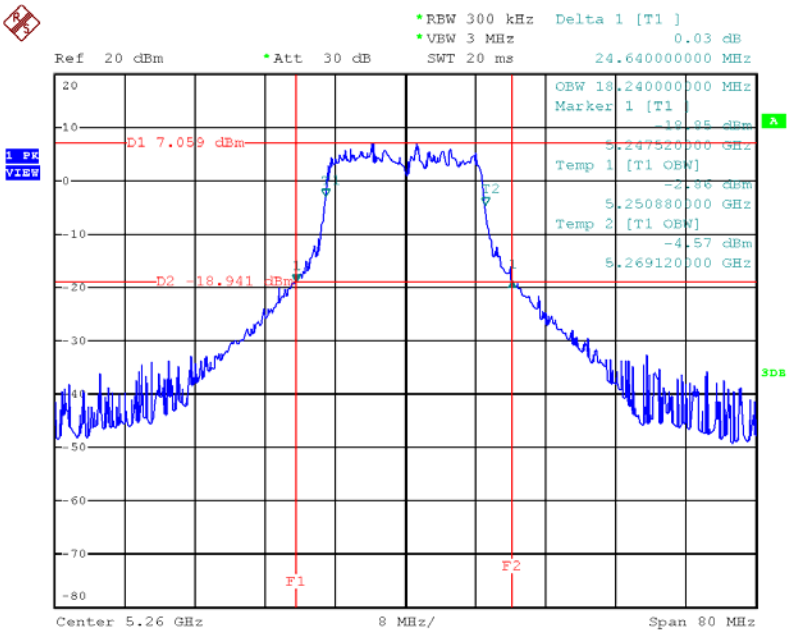
Date: 8.JUL.2013 21:46:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



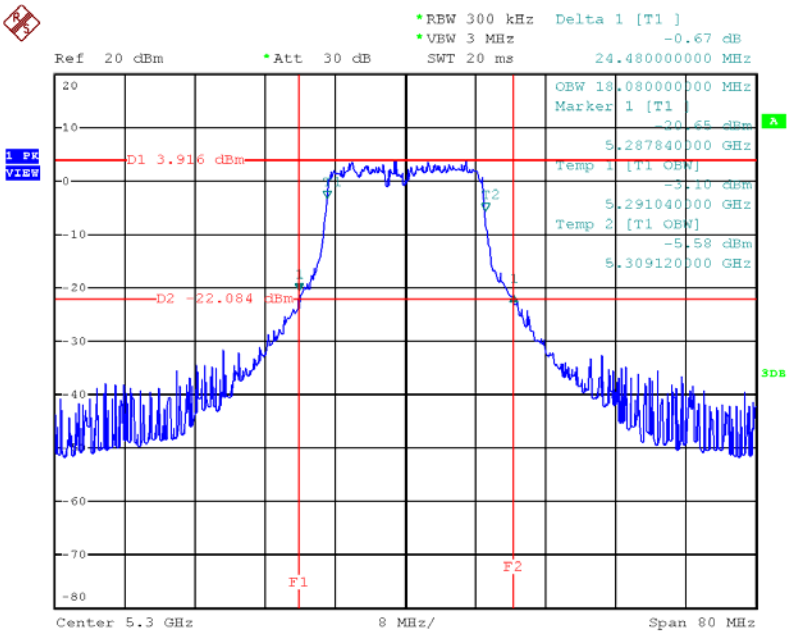
Date: 8.JUL.2013 21:48:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



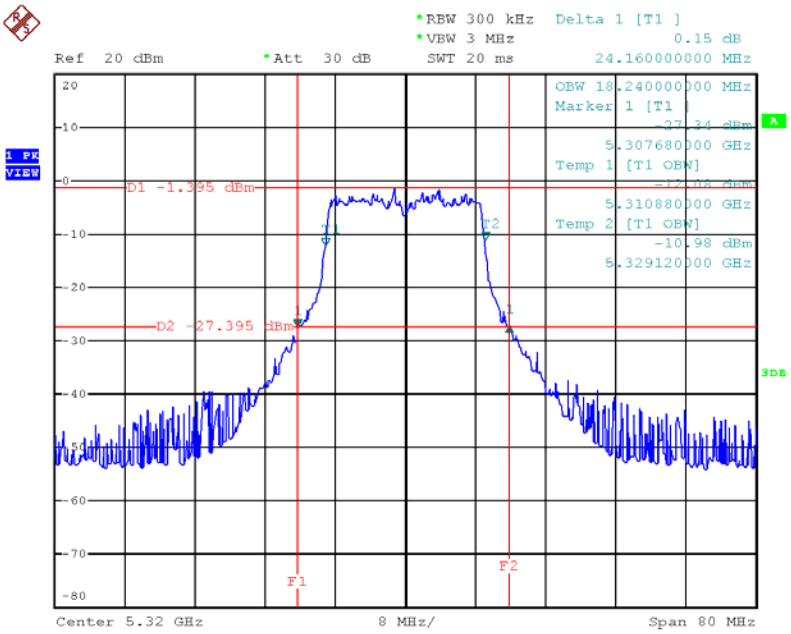
Date: 8.JUL.2013 23:41:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHZ



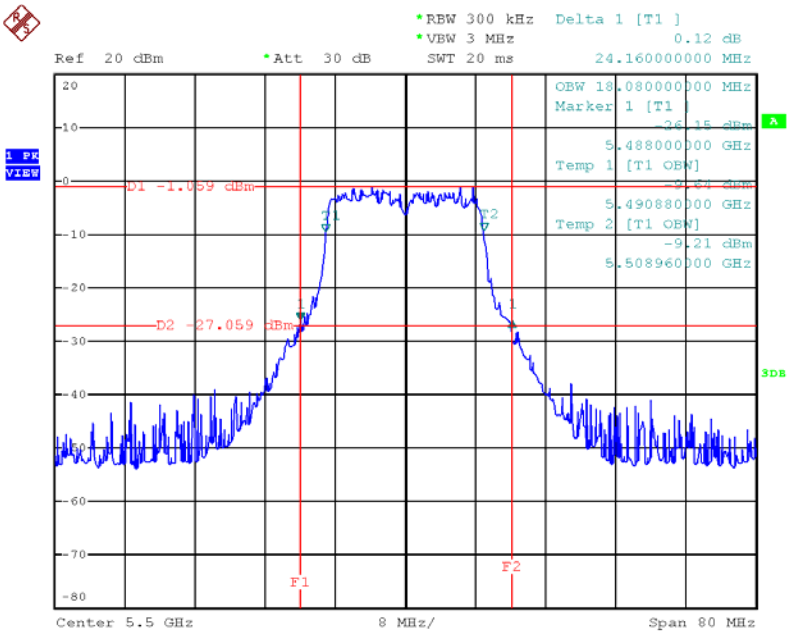
Date: 8.JUL.2013 23:42:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



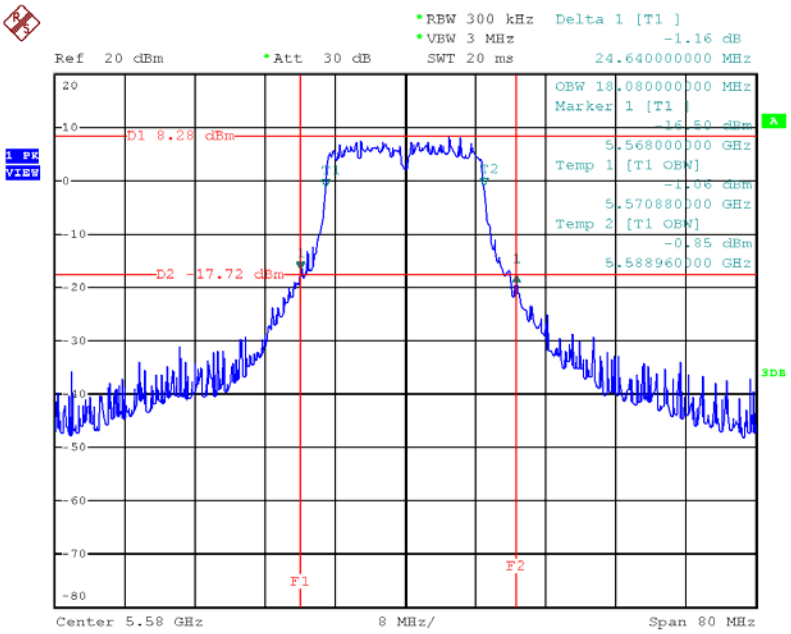
Date: 8.JUL.2013 23:46:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



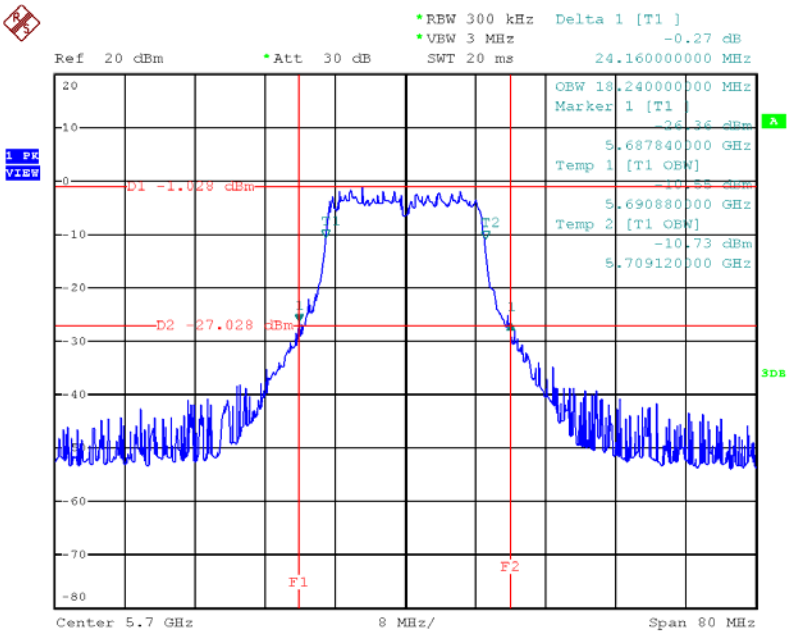
Date: 8.JUL.2013 23:44:38

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



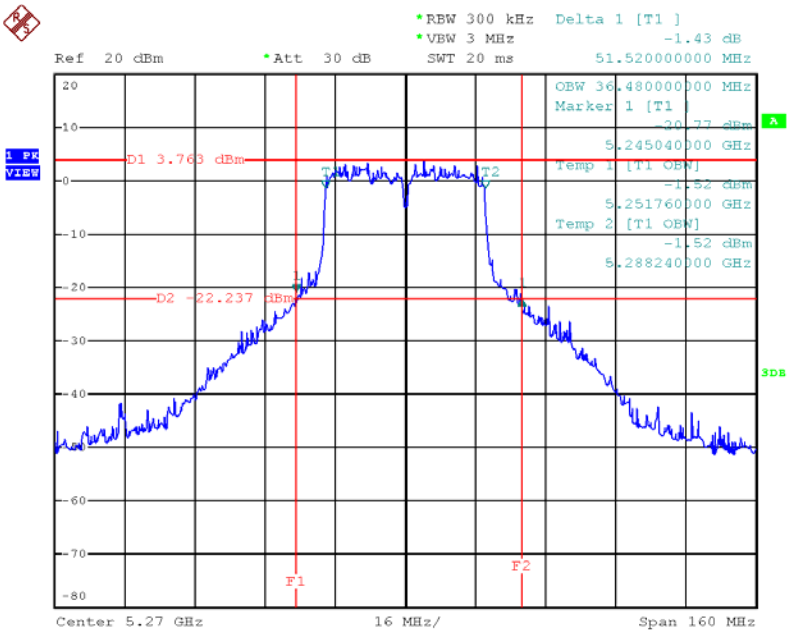
Date: 8.JUL.2013 23:47:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



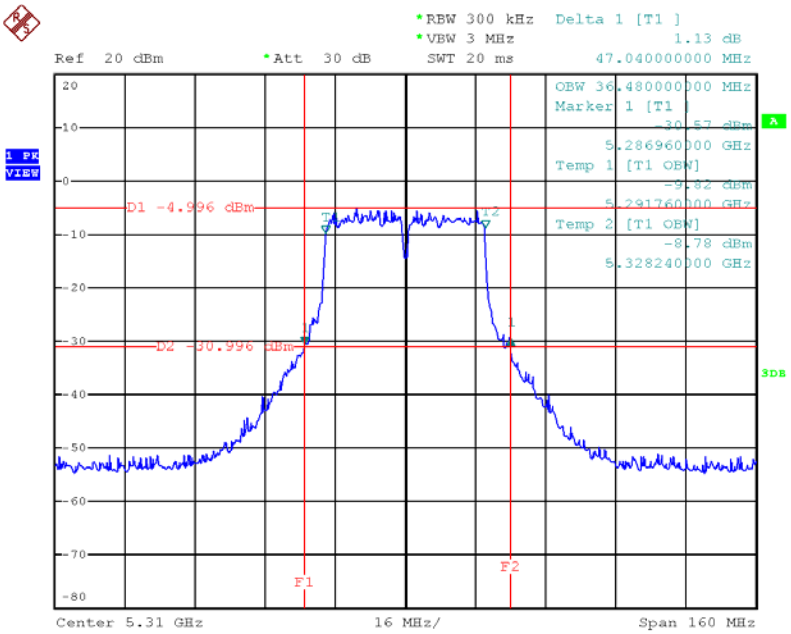
Date: 8.JUL.2013 23:48:18

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



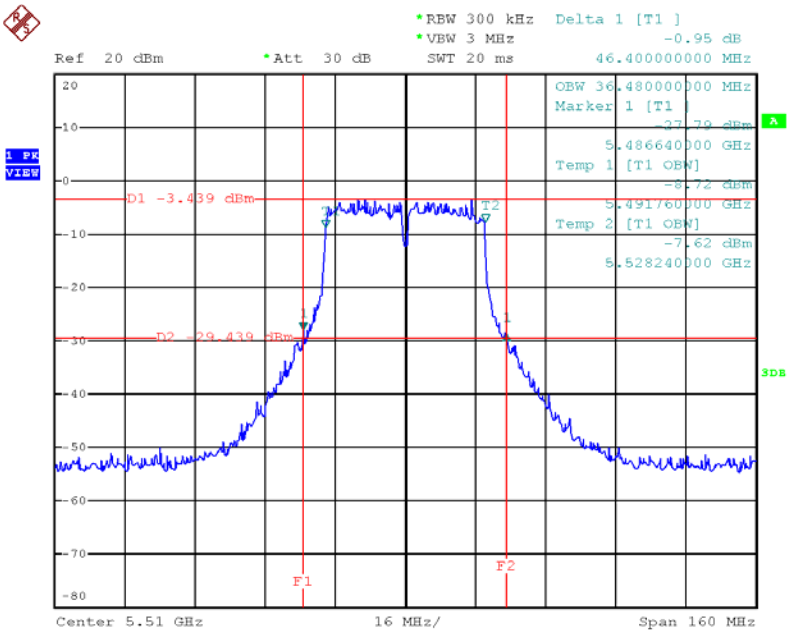
Date: 8.JUL.2013 23:52:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



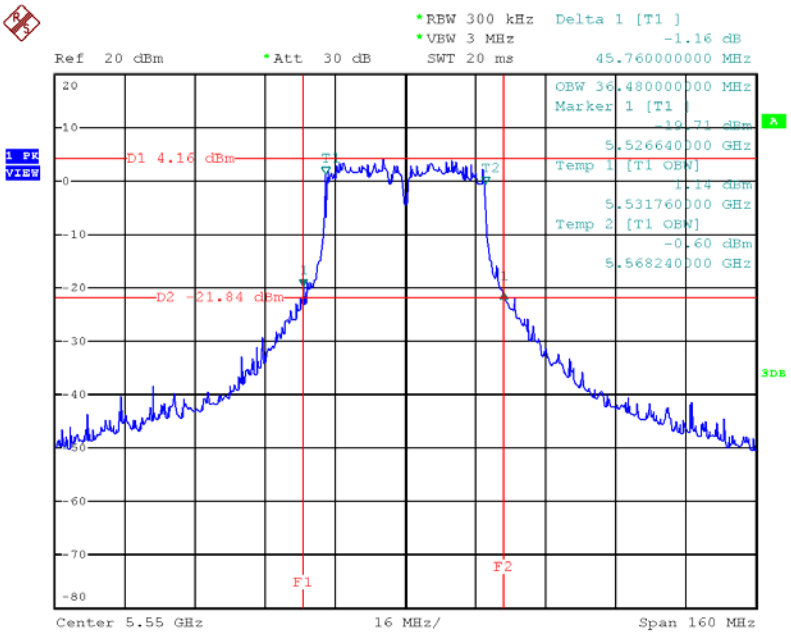
Date: 8.JUL.2013 23:53:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



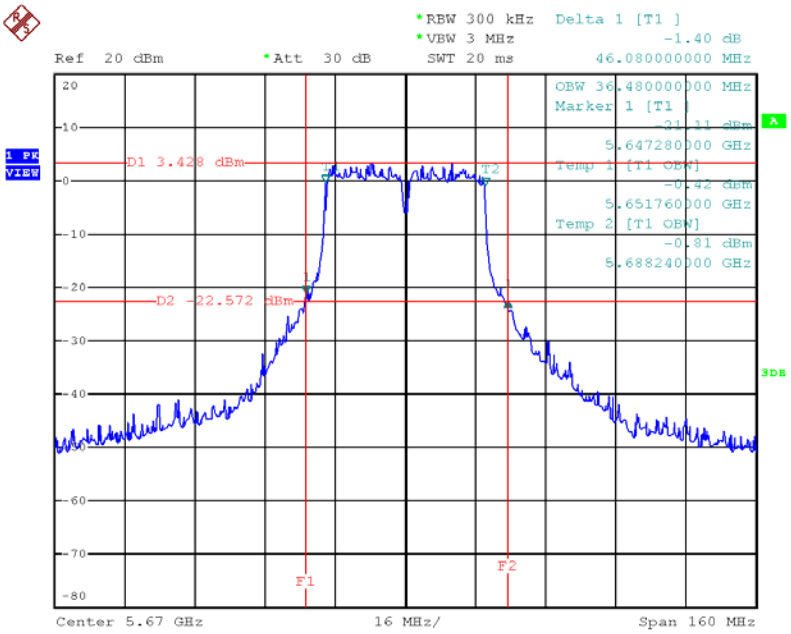
Date: 8.JUL.2013 23:54:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



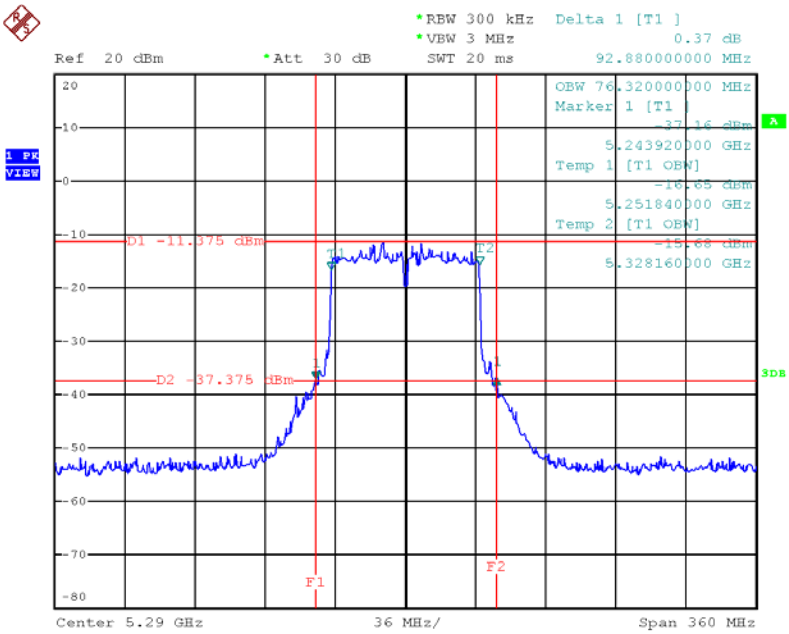
Date: 8.JUL.2013 23:55:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



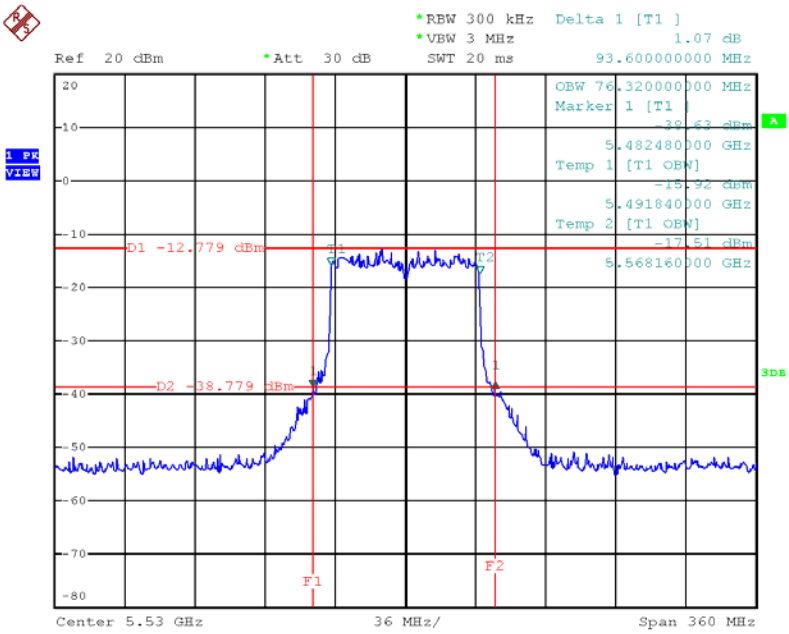
Date: 8.JUL.2013 23:56:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 9.JUL.2013 00:01:21

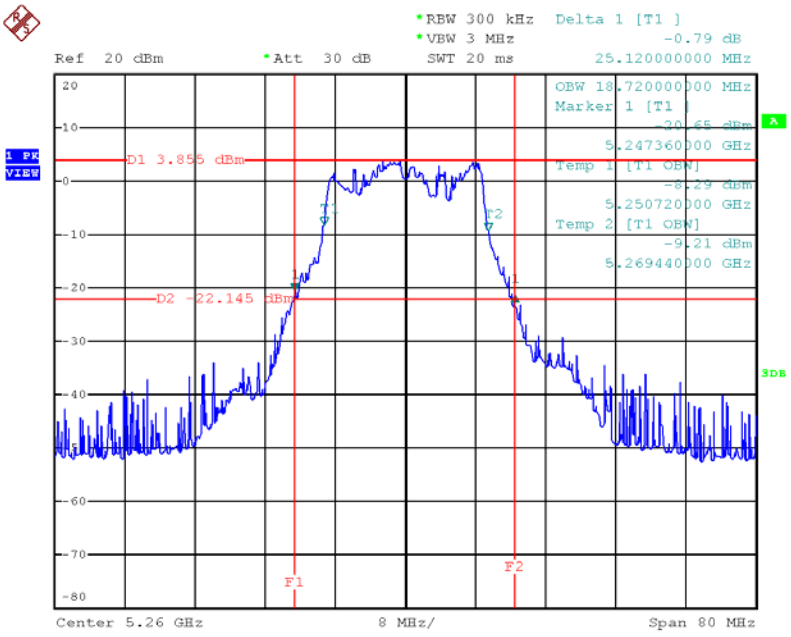
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



Date: 9.JUL.2013 00:03:09

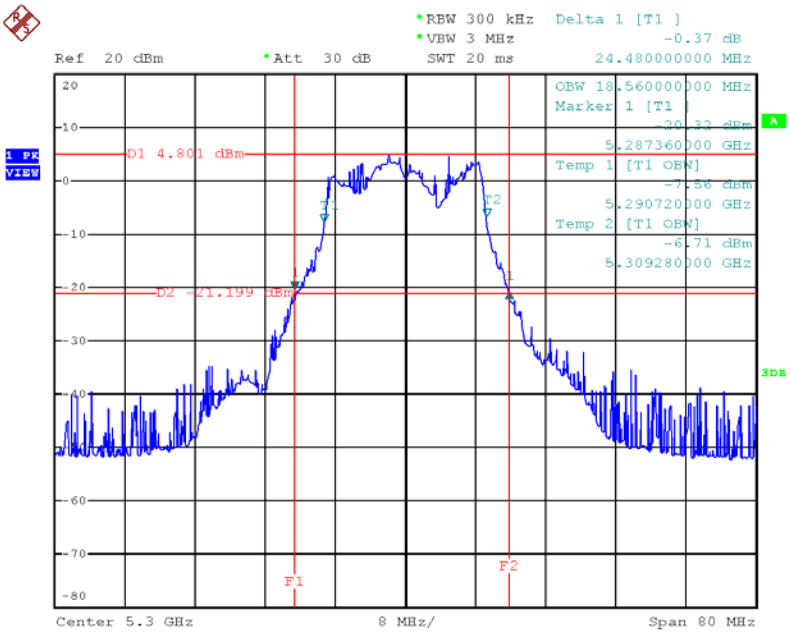
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



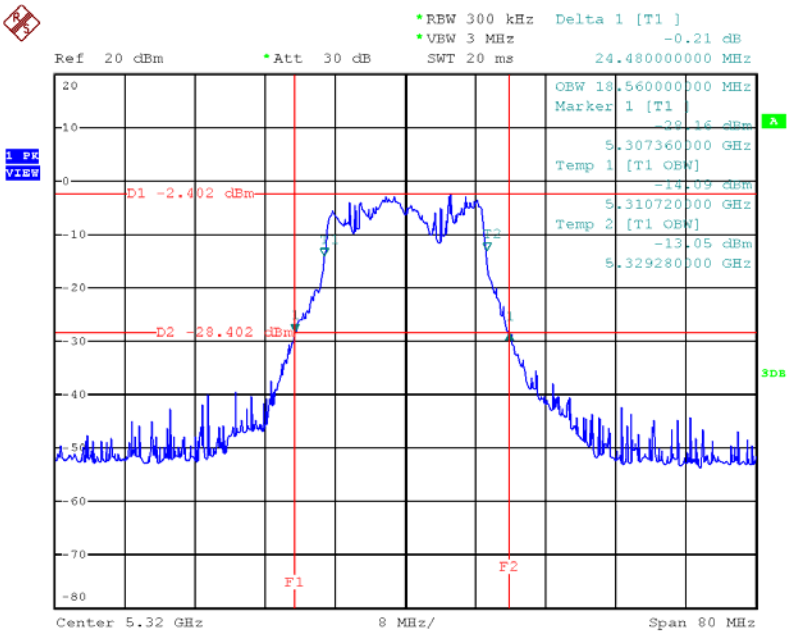
Date: 9.JUL.2013 17:01:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



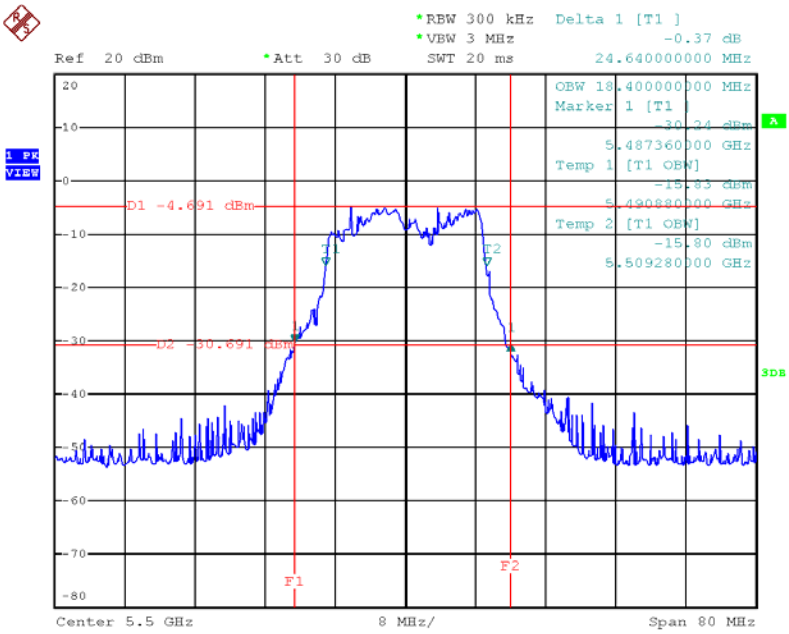
Date: 9.JUL.2013 17:04:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



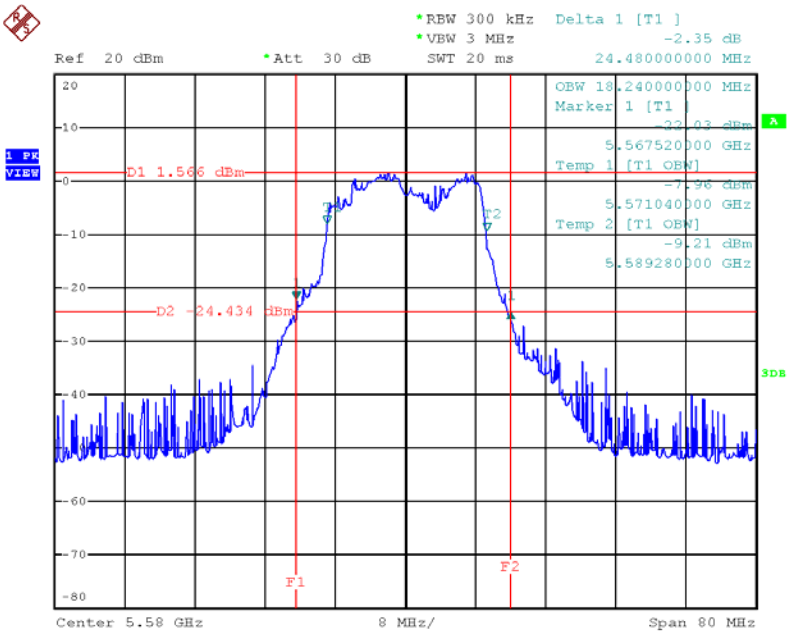
Date: 9.JUL.2013 17:05:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



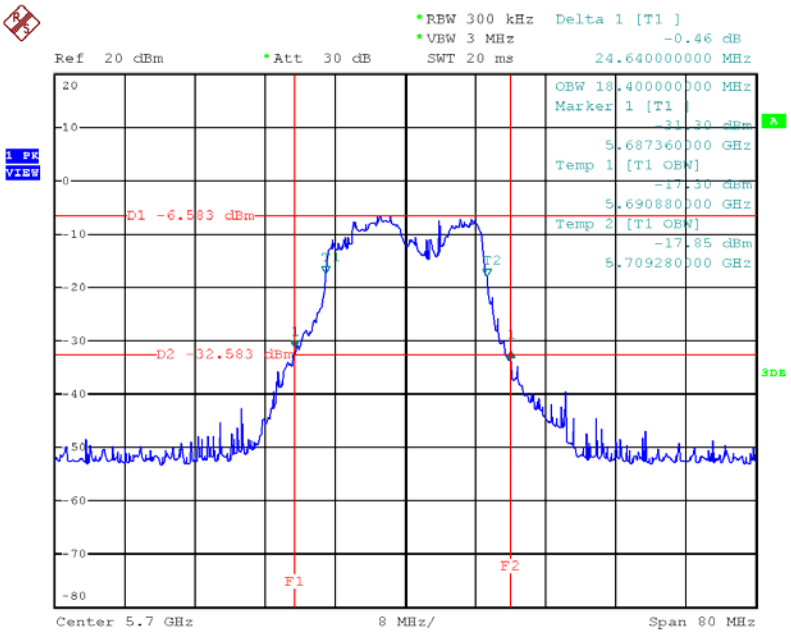
Date: 9.JUL.2013 17:06:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



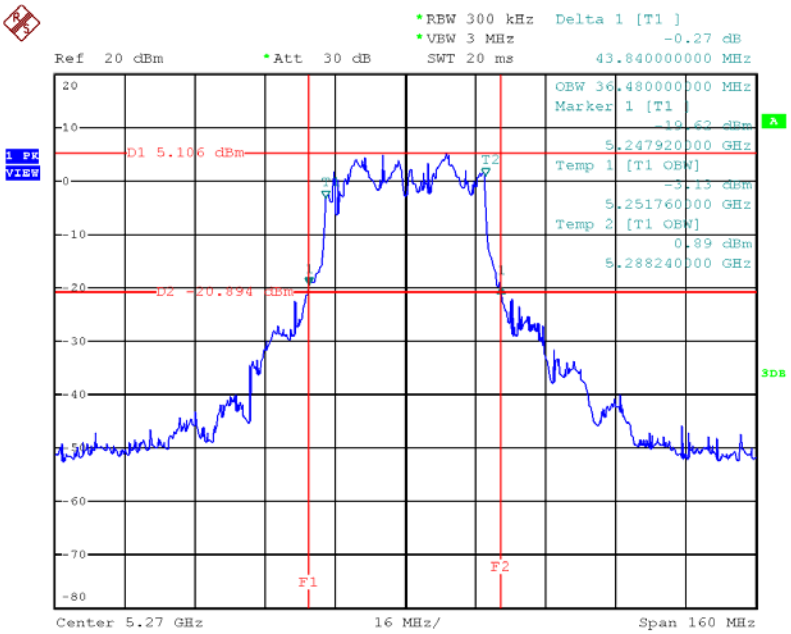
Date: 9.JUL.2013 17:07:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



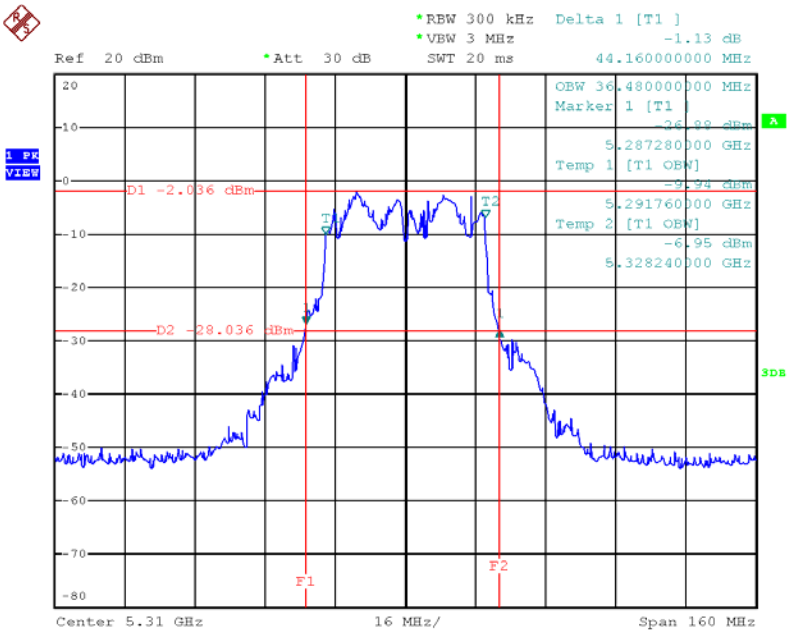
Date: 9.JUL.2013 17:23:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



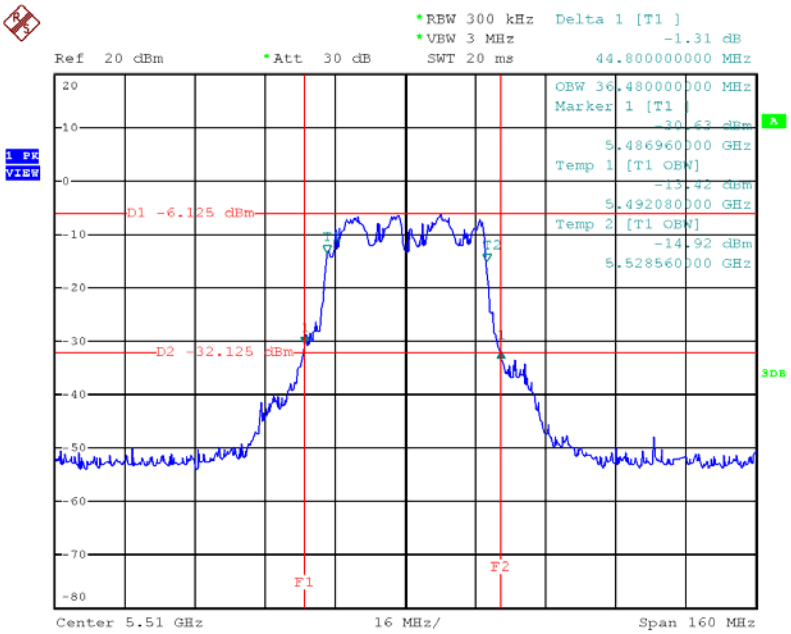
Date: 9.JUL.2013 17:15:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



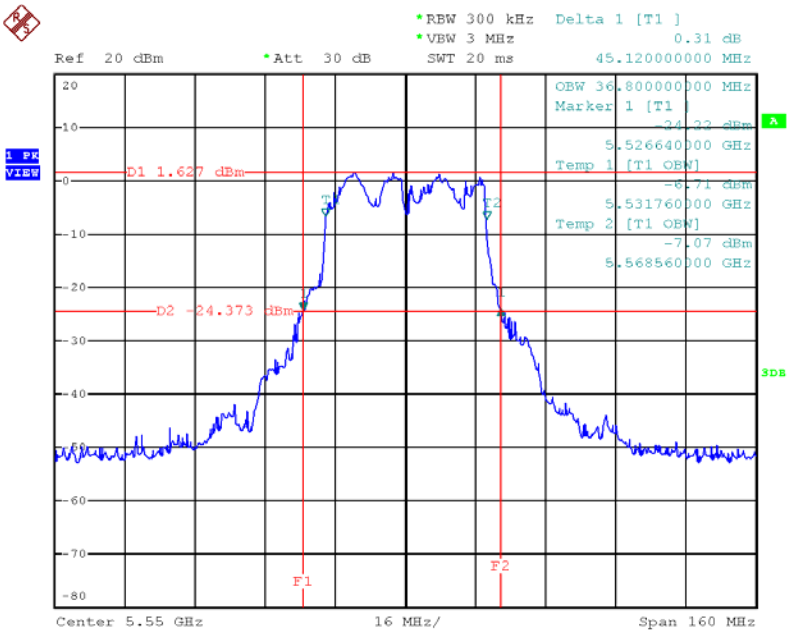
Date: 9.JUL.2013 17:17:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



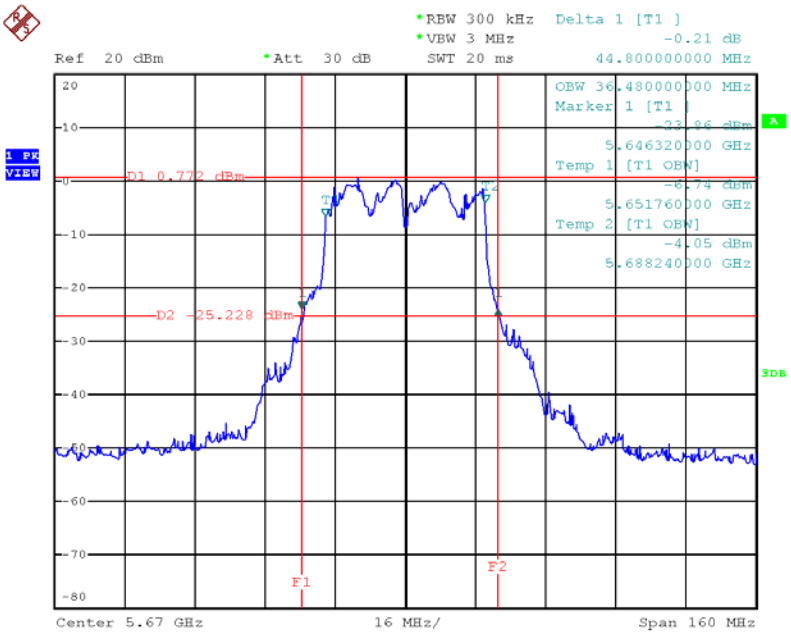
Date: 9.JUL.2013 17:18:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



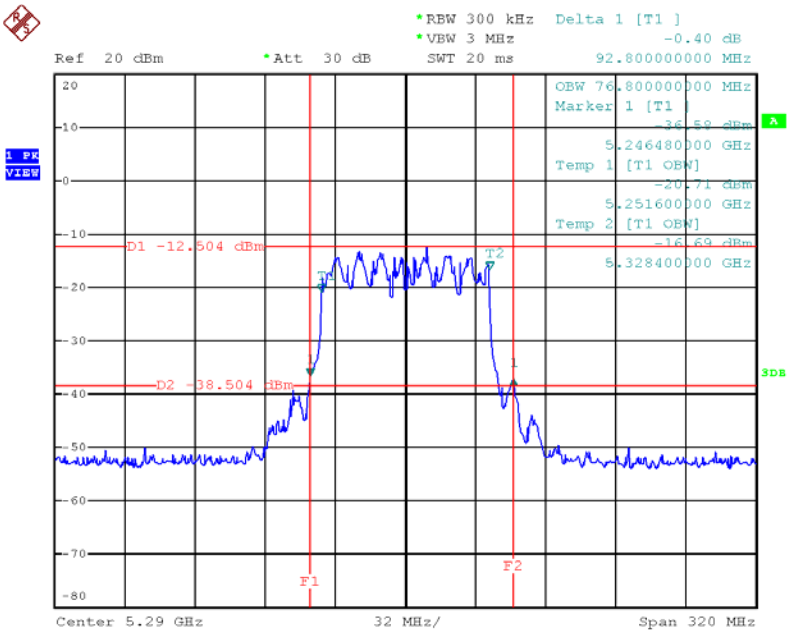
Date: 9.JUL.2013 17:19:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



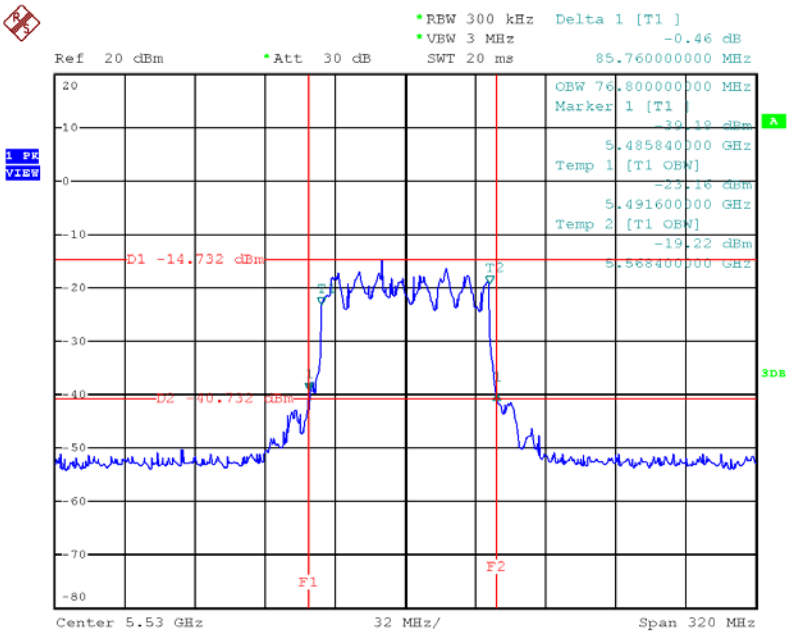
Date: 9.JUL.2013 17:21:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



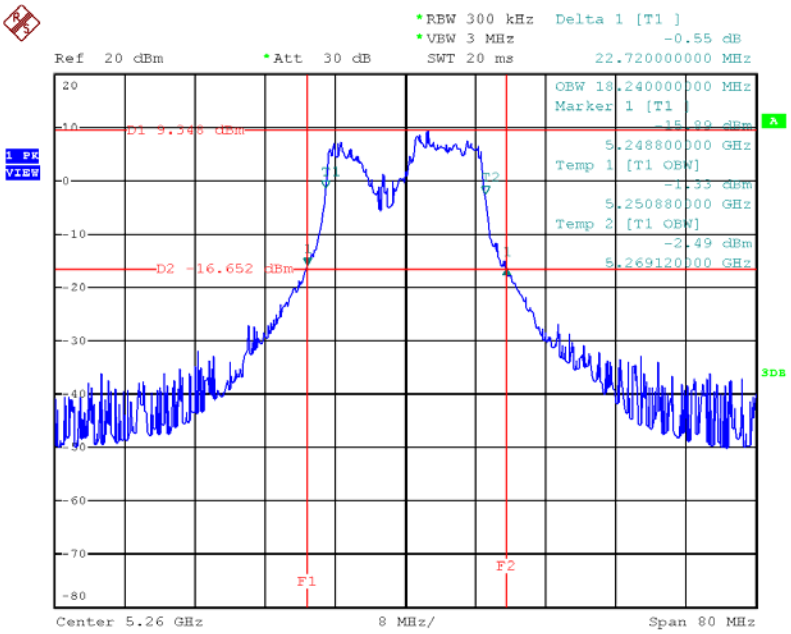
Date: 9.JUL.2013 17:27:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



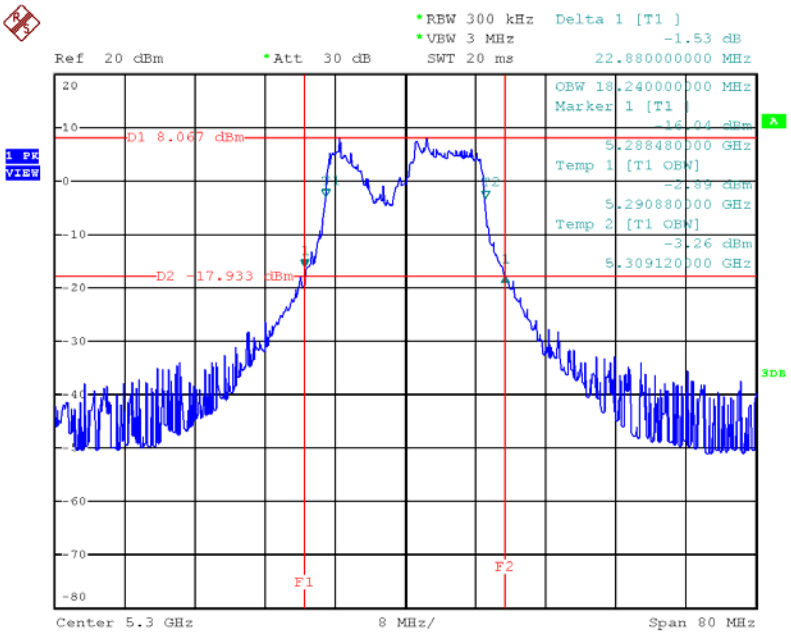
Date: 9.JUL.2013 17:29:51

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



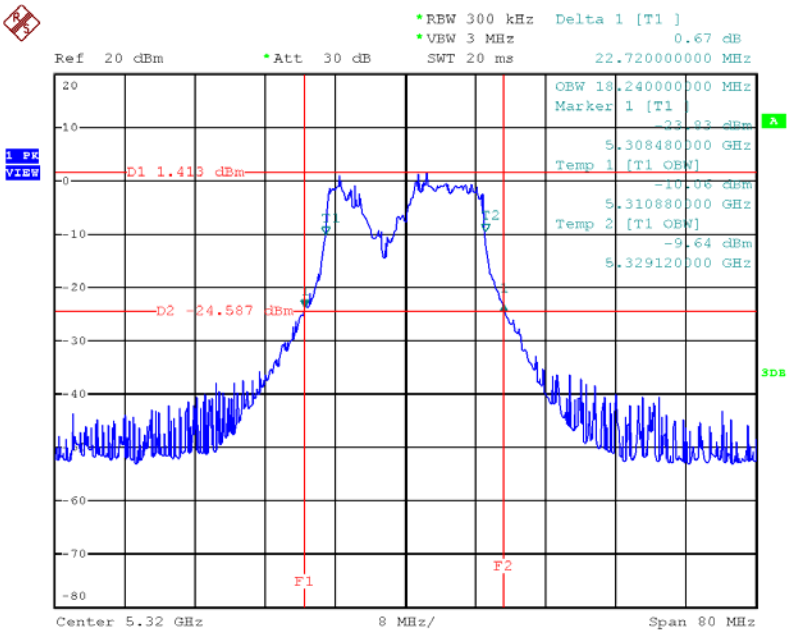
Date: 9.JUL.2013 17:36:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



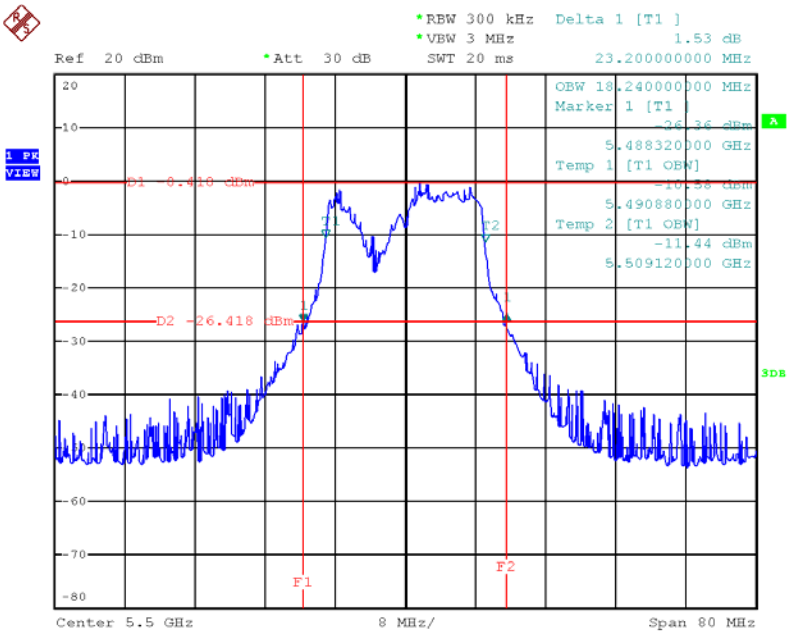
Date: 9.JUL.2013 17:38:18

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



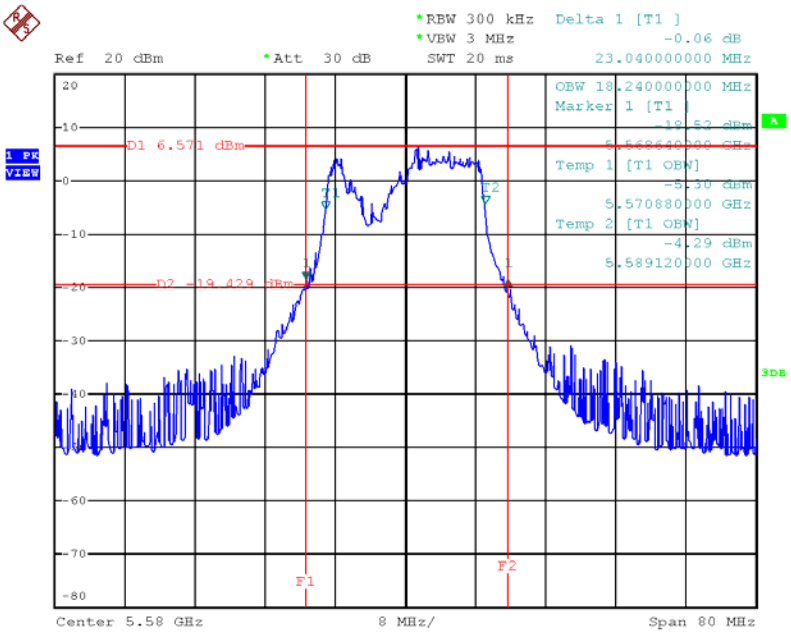
Date: 9.JUL.2013 17:39:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



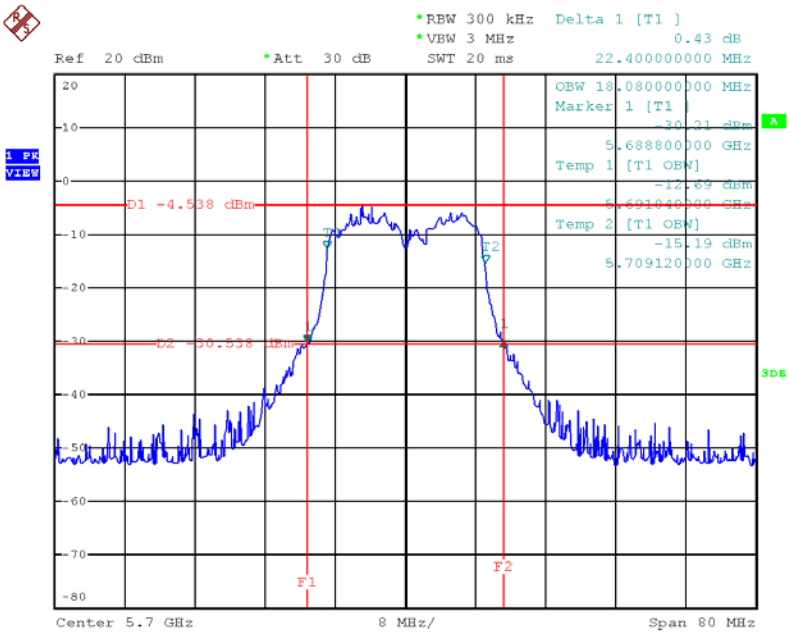
Date: 9.JUL.2013 17:40:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz

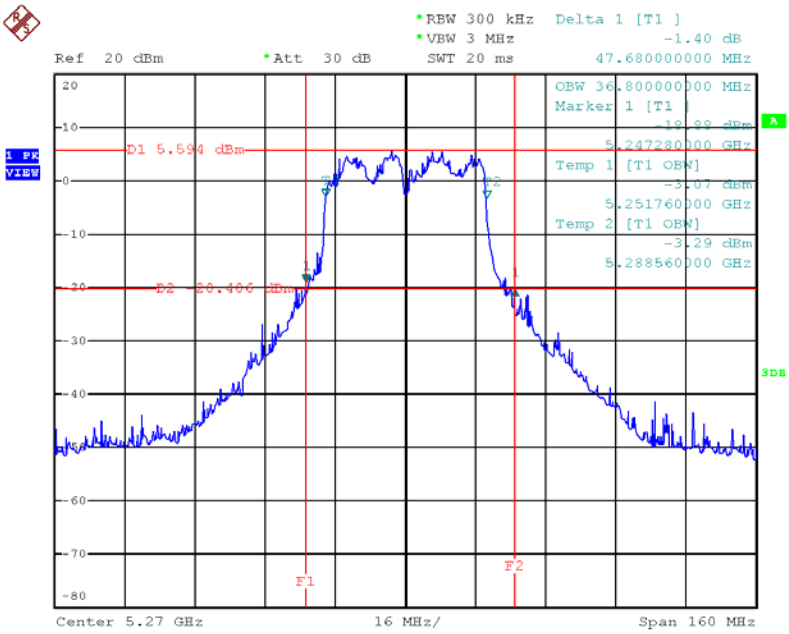


Date: 9.JUL.2013 17:42:02

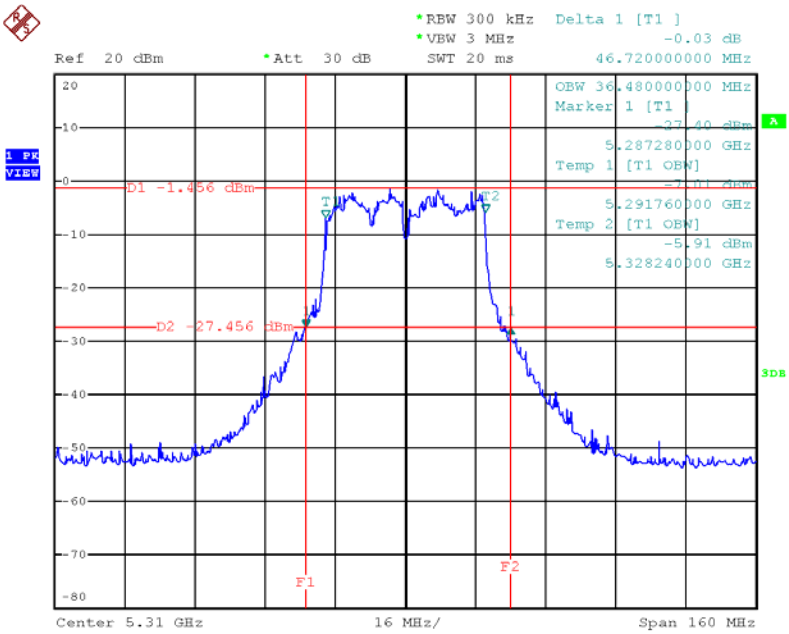
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz

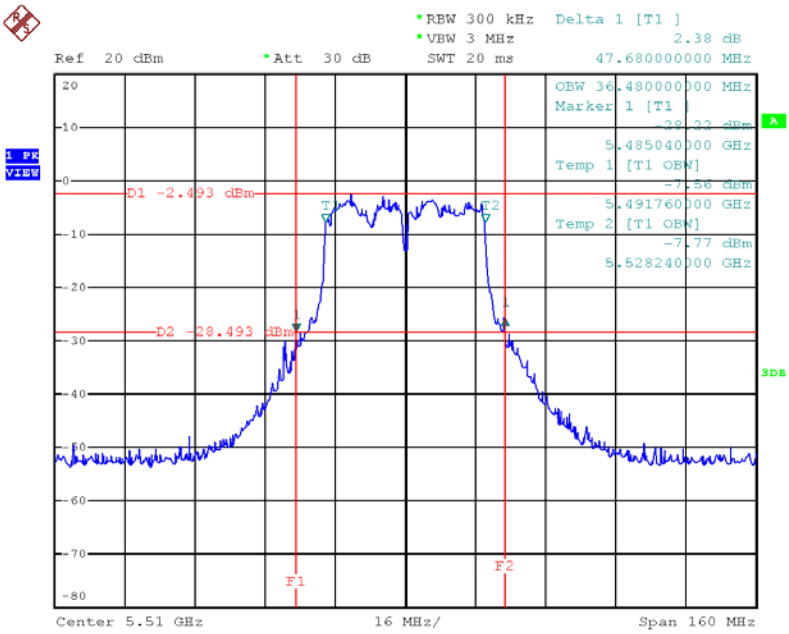


26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



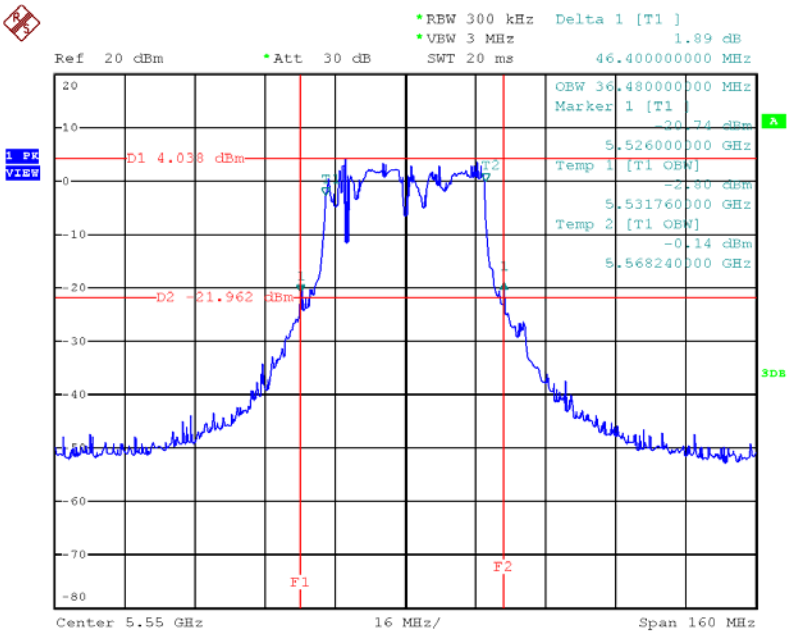
Date: 9.JUL.2013 17:48:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



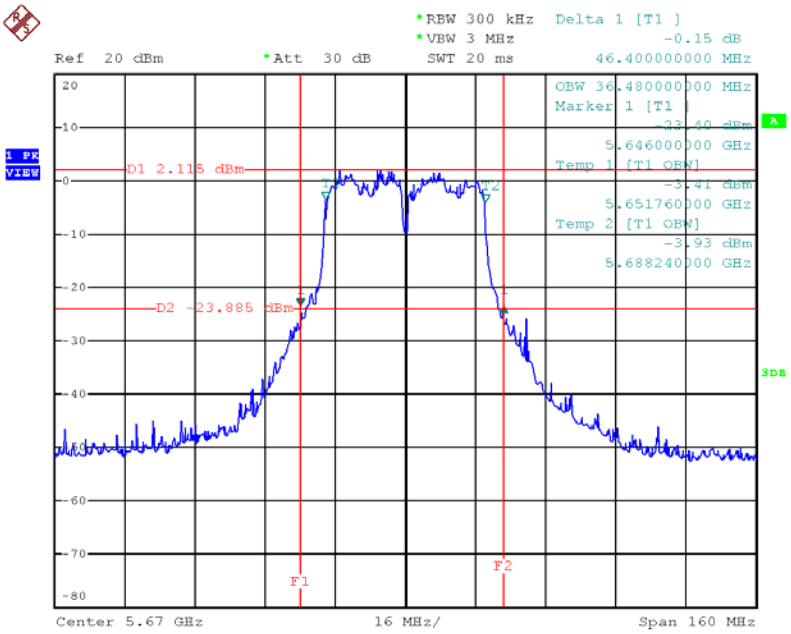
Date: 9.JUL.2013 17:50:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



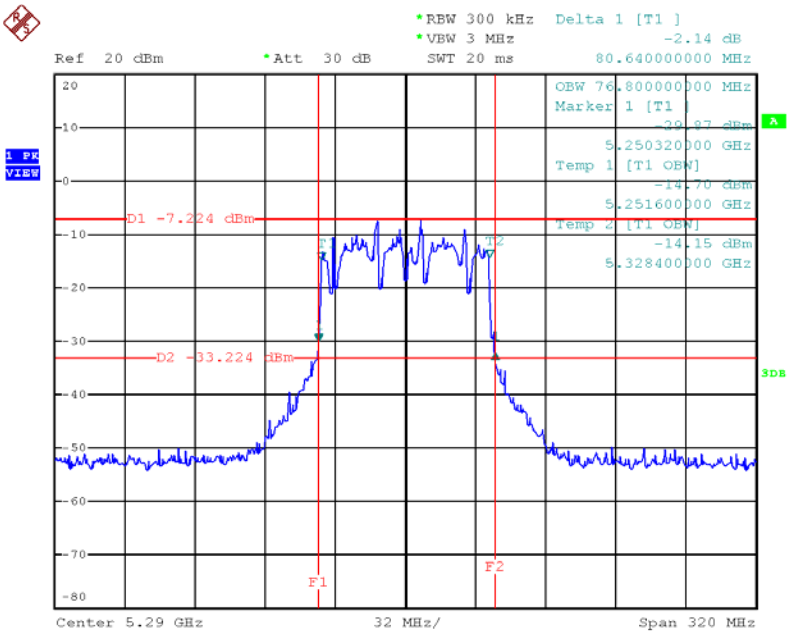
Date: 9.JUL.2013 17:52:03

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



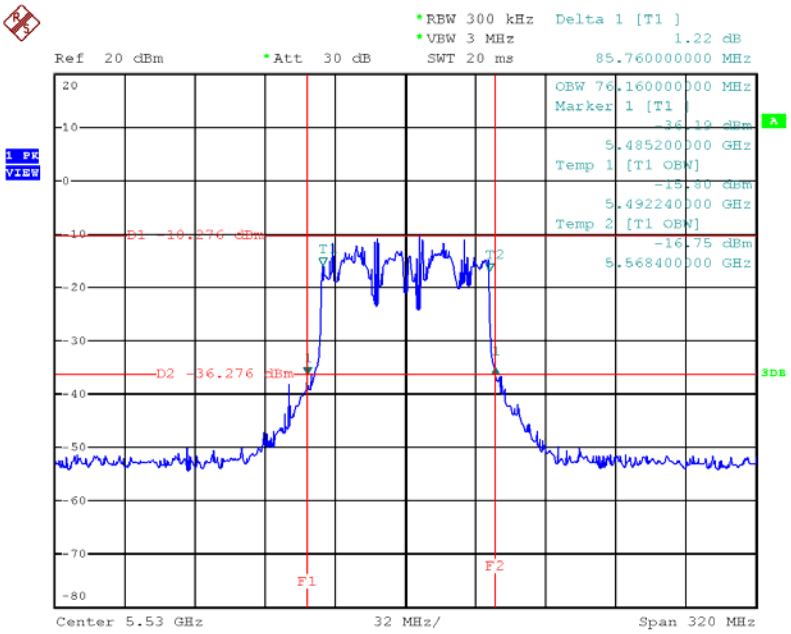
Date: 9.JUL.2013 17:53:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



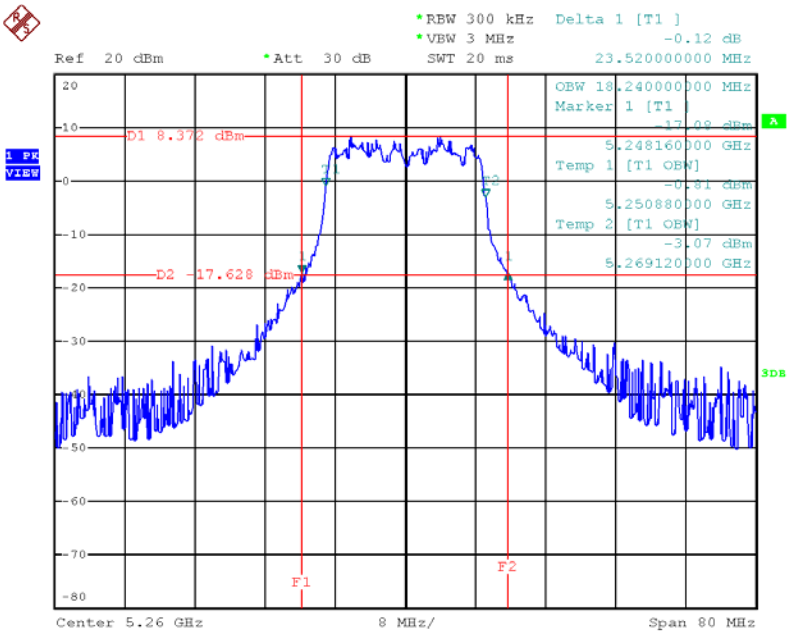
Date: 9.JUL.2013 17:56:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

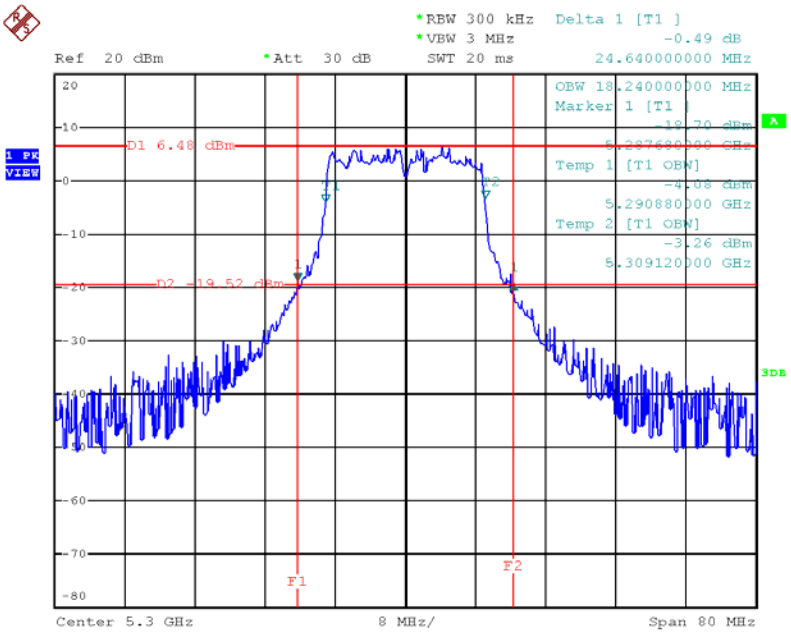


Date: 9.JUL.2013 17:58:25

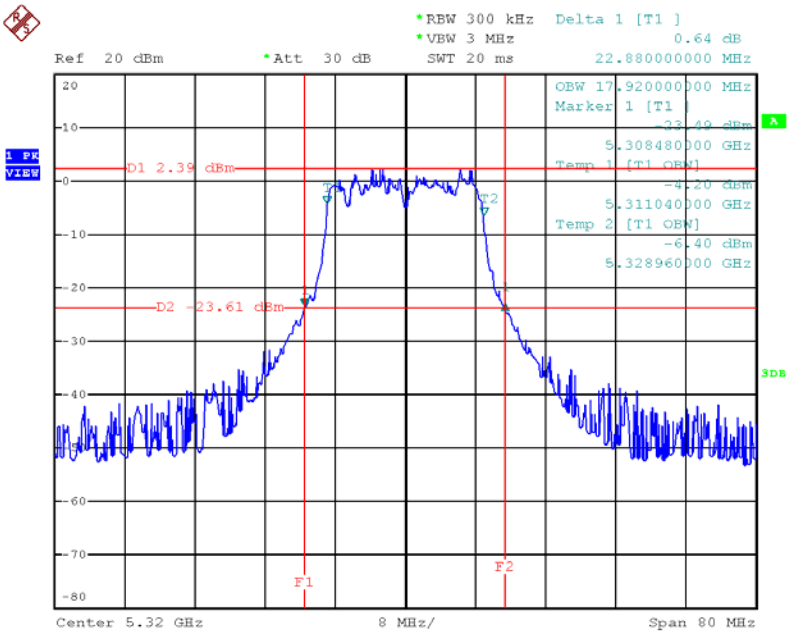
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



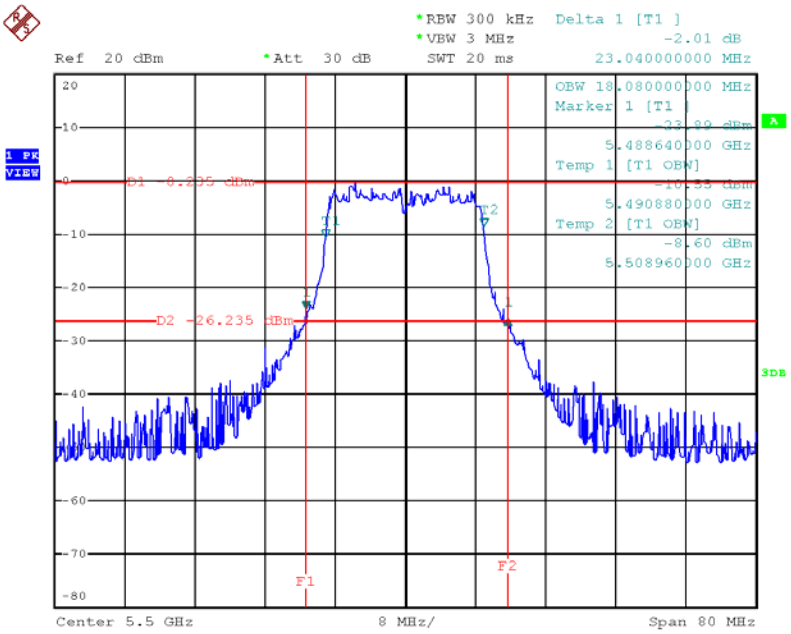
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300MHZ



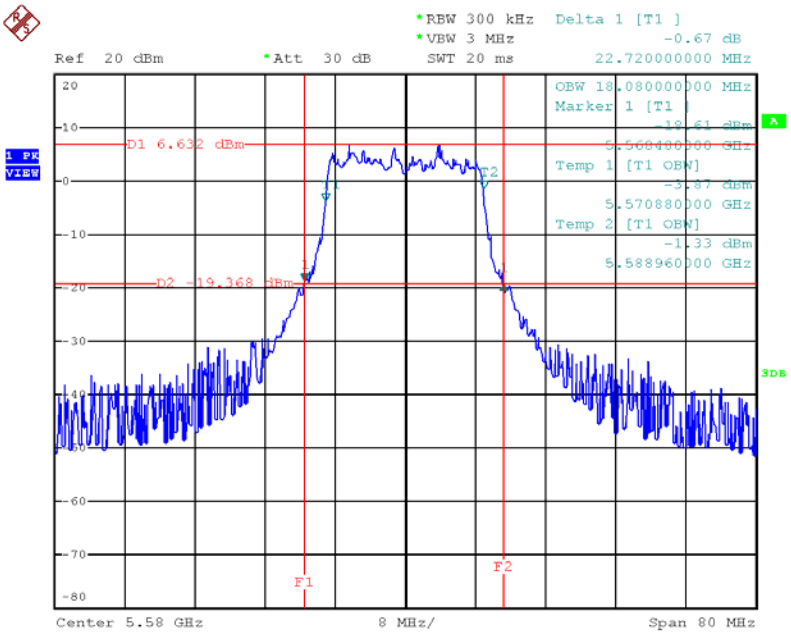
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz

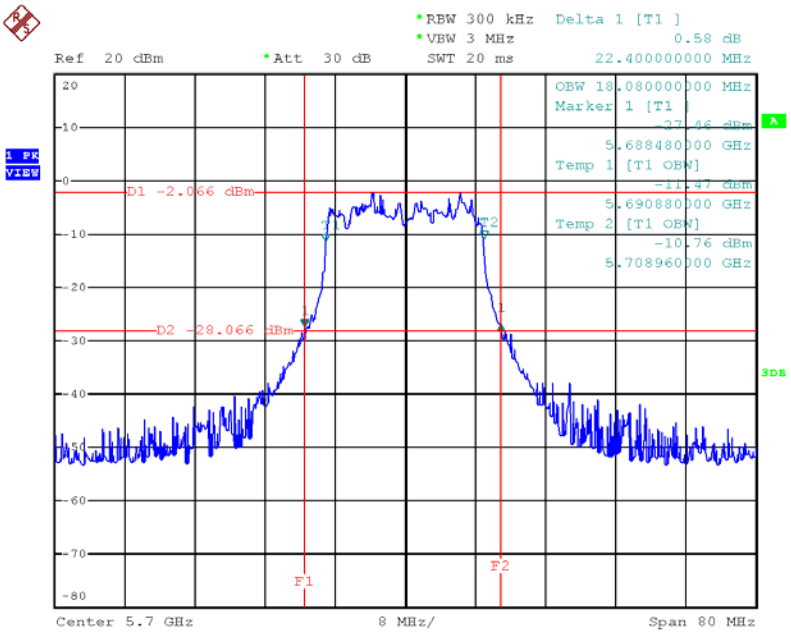


26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



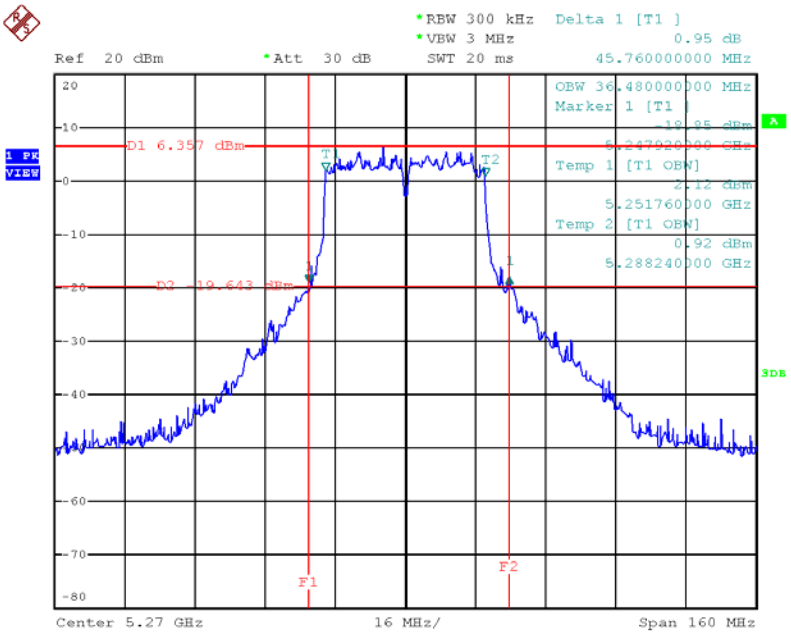
Date: 9.JUL.2013 18:10:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



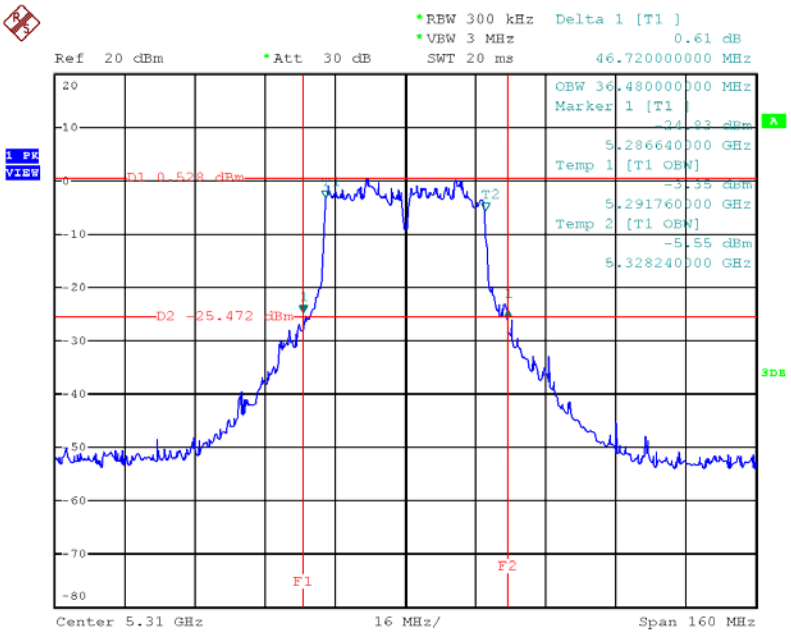
Date: 9.JUL.2013 18:10:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



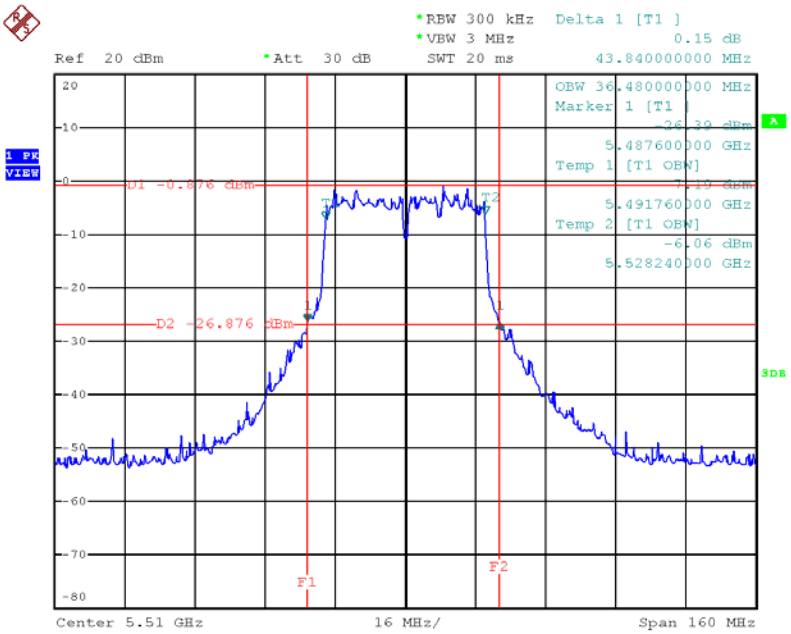
Date: 9.JUL.2013 18:14:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



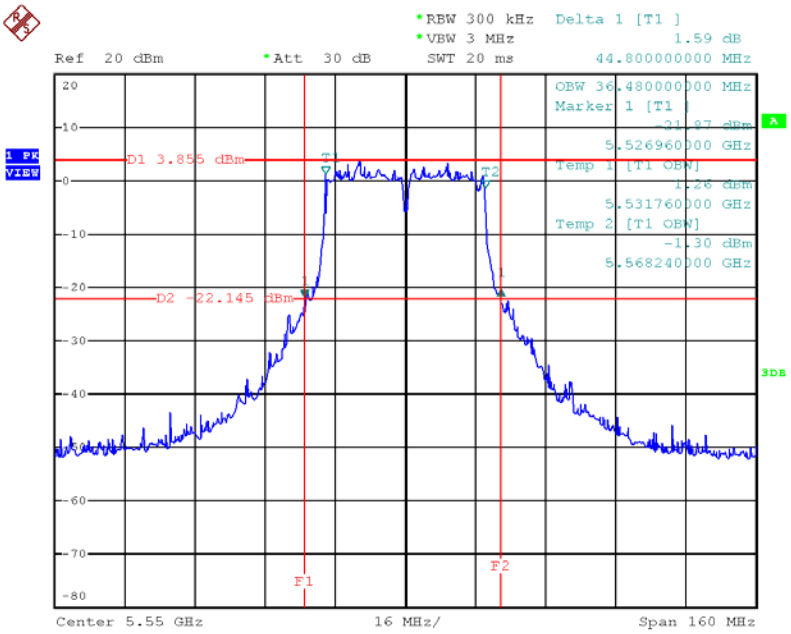
Date: 9.JUL.2013 18:15:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



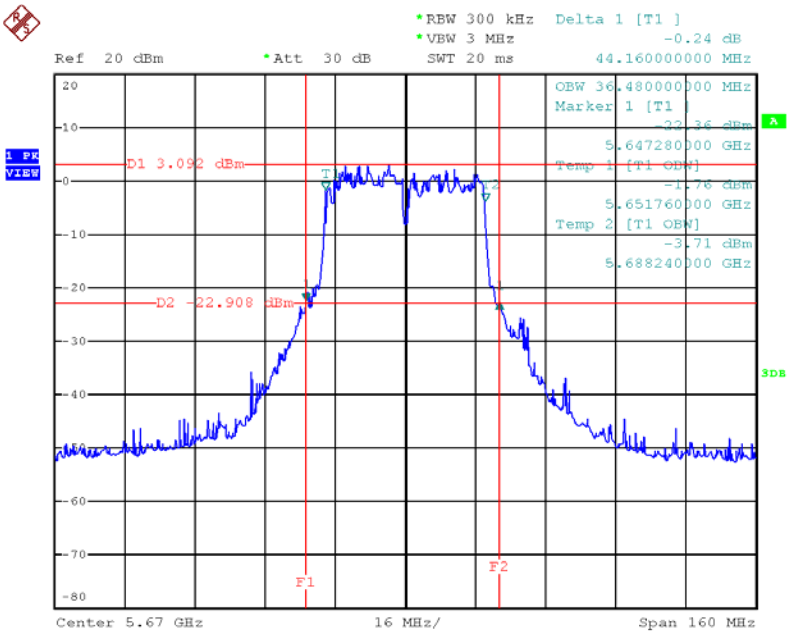
Date: 9.JUL.2013 18:16:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



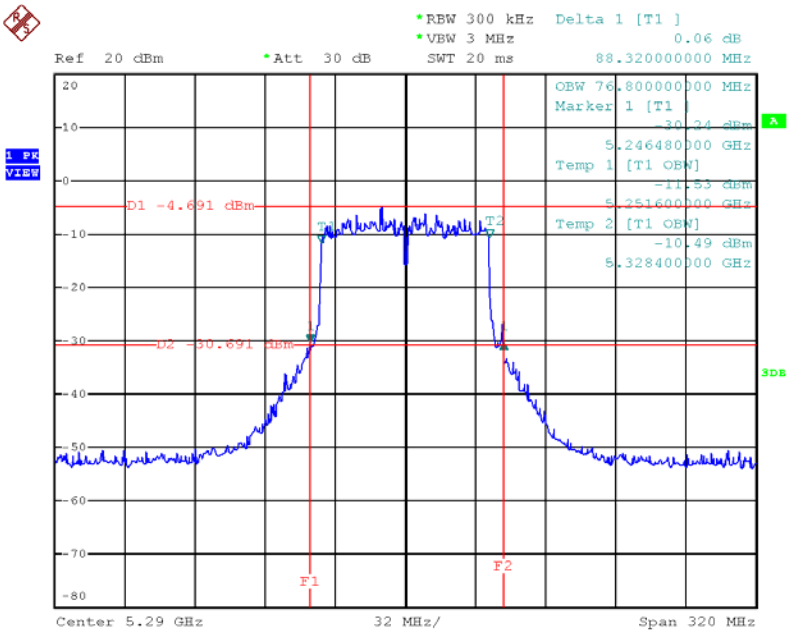
Date: 9.JUL.2013 18:17:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



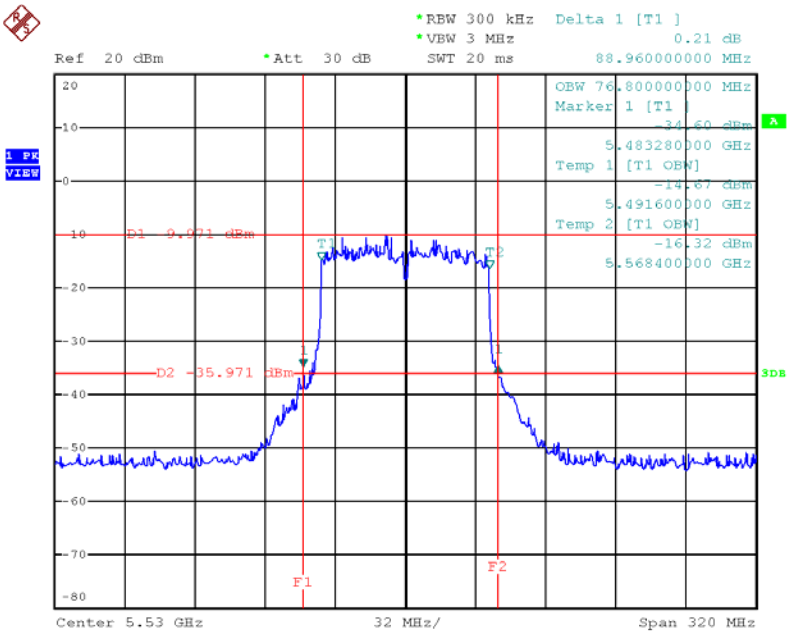
Date: 9.JUL.2013 18:18:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 9.JUL.2013 18:25:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



Date: 9.JUL.2013 18:23:43

4.3. Maximum Conducted Output Power Measurement

4.3.1. Limit

For the 5.25-5.35 GHz and 5.470-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B, where B is the 26-dB emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.3.2. Measuring Instruments and Setting

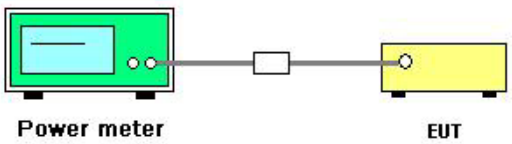
The following table is the setting of the peak power meter.

Power Meter Parameter	Setting
Detector	AVERAGE

4.3.3. Test Procedures

1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB 789033 D01 v01r03 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E,section (E) Maximum conducted output power =>(3) Method PM (Measurement using an RF average power meter) Multiple antenna systems was performed in accordance with KDB 662911 D01 v02 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
3. When measuring maximum conducted output power with multiple antenna systems,add every result of the values by mathematic formula.

4.3.4. Test Setup Layout



4.3.5. Test Deviation

There is no deviation with the original standard.

4.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.3.7. Test Result of Maximum Conducted Output Power

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11n/ac
Test Date	May 05, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

For TPC function

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.81	22.00	Complies
56	5280 MHz	21.68	22.00	Complies
60	5300 MHz	21.82	22.00	Complies
64	5320 MHz	18.12	22.00	Complies
100	5500 MHz	19.51	22.00	Complies
116	5580 MHz	21.71	22.00	Complies
140	5700 MHz	14.60	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.96	22.00	Complies
62	5310 MHz	15.80	22.00	Complies
102	5510 MHz	18.10	22.00	Complies
110	5550 MHz	21.74	22.00	Complies
134	5670 MHz	21.43	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.99	22.00	Complies
56	5280 MHz	21.64	22.00	Complies
60	5300 MHz	21.98	22.00	Complies
64	5320 MHz	18.31	22.00	Complies
100	5500 MHz	21.58	22.00	Complies
116	5580 MHz	21.62	22.00	Complies
140	5700 MHz	14.38	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.62	22.00	Complies
62	5310 MHz	15.58	22.00	Complies
102	5510 MHz	18.42	22.00	Complies
110	5550 MHz	21.93	22.00	Complies
134	5670 MHz	21.25	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	12.22	22.00	Complies
106	5530 MHz	9.09	22.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.89	15.79	18.85	22.00	Complies
56	5280 MHz	16.57	15.85	19.24	22.00	Complies
60	5300 MHz	15.84	15.75	18.81	22.00	Complies
64	5320 MHz	16.09	15.82	18.97	22.00	Complies
100	5500 MHz	15.01	13.57	17.36	22.00	Complies
116	5580 MHz	16.75	14.95	18.95	22.00	Complies
140	5700 MHz	11.39	10.74	14.09	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.87	18.91	21.90	22.00	Complies
62	5310 MHz	13.94	13.78	16.87	22.00	Complies
102	5510 MHz	15.05	13.64	17.41	22.00	Complies
110	5550 MHz	19.34	17.62	21.57	22.00	Complies
134	5670 MHz	19.32	17.76	21.62	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.73	18.82	21.79	22.00	Complies
56	5280 MHz	18.97	18.31	21.66	22.00	Complies
60	5300 MHz	18.75	18.92	21.85	22.00	Complies
64	5320 MHz	16.85	17.05	19.96	22.00	Complies
100	5500 MHz	15.53	16.99	19.33	22.00	Complies
116	5580 MHz	17.83	19.65	21.84	22.00	Complies
140	5700 MHz	10.97	11.72	14.37	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.78	18.82	21.81	22.00	Complies
62	5310 MHz	14.83	15.23	18.04	22.00	Complies
102	5510 MHz	14.55	16.14	18.43	22.00	Complies
110	5550 MHz	17.82	19.50	21.75	22.00	Complies
134	5670 MHz	17.87	19.06	21.52	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.79	15.76	18.79	22.00	Complies
56	5280 MHz	16.43	15.74	19.11	22.00	Complies
60	5300 MHz	15.95	15.77	18.87	22.00	Complies
64	5320 MHz	16.36	15.94	19.17	22.00	Complies
100	5500 MHz	15.06	13.55	17.38	22.00	Complies
116	5580 MHz	16.66	14.83	18.85	22.00	Complies
140	5700 MHz	11.29	10.59	13.96	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.92	18.98	21.96	22.00	Complies
62	5310 MHz	13.86	13.64	16.76	22.00	Complies
102	5510 MHz	15.23	13.73	17.55	22.00	Complies
110	5550 MHz	19.61	18.05	21.91	22.00	Complies
134	5670 MHz	19.21	18.06	21.68	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	10.46	10.38	13.43	22.00	Complies
106	5530 MHz	8.24	6.66	10.53	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.72	18.82	21.78	22.00	Complies
56	5280 MHz	18.98	18.24	21.64	22.00	Complies
60	5300 MHz	18.70	18.91	21.82	22.00	Complies
64	5320 MHz	16.81	17.04	19.94	22.00	Complies
100	5500 MHz	15.49	16.98	19.31	22.00	Complies
116	5580 MHz	17.81	19.66	21.84	22.00	Complies
140	5700 MHz	10.98	11.76	14.40	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.81	18.76	21.80	22.00	Complies
62	5310 MHz	14.81	15.22	18.03	22.00	Complies
102	5510 MHz	14.53	16.11	18.40	22.00	Complies
110	5550 MHz	17.94	19.61	21.87	22.00	Complies
134	5670 MHz	17.89	19.13	21.56	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	10.65	10.86	13.77	22.00	Complies
106	5530 MHz	9.03	10.60	12.90	22.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.38	12.39	12.96	17.36	22.00	Complies
56	5280 MHz	11.61	11.37	11.89	16.40	22.00	
60	5300 MHz	12.31	12.58	13.15	17.47	22.00	Complies
64	5320 MHz	12.21	12.38	13.03	17.33	22.00	Complies
100	5500 MHz	12.06	13.56	12.61	17.56	22.00	Complies
116	5580 MHz	11.93	13.68	12.27	17.47	22.00	Complies
140	5700 MHz	7.22	8.32	7.35	12.43	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	15.26	15.85	16.13	20.53	22.00	Complies
62	5310 MHz	13.36	13.71	14.28	18.57	22.00	Complies
102	5510 MHz	14.44	16.00	14.92	19.94	22.00	Complies
110	5550 MHz	14.99	16.72	15.49	20.57	22.00	Complies
134	5670 MHz	15.33	16.84	15.29	20.65	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.82	16.02	16.58	20.92	22.00	Complies
56	5280 MHz	15.29	14.65	15.49	19.93	22.00	Complies
60	5300 MHz	15.32	15.63	16.20	20.50	22.00	Complies
64	5320 MHz	13.07	13.32	13.96	18.24	22.00	Complies
100	5500 MHz	13.60	15.15	14.11	19.11	22.00	Complies
116	5580 MHz	15.05	16.78	15.42	20.59	22.00	Complies
140	5700 MHz	8.68	9.28	8.53	13.61	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	13.99	14.23	14.70	19.09	22.00	Complies
62	5310 MHz	13.80	14.12	14.63	18.97	22.00	Complies
102	5510 MHz	14.32	15.89	14.82	19.83	22.00	Complies
110	5550 MHz	16.09	17.79	16.53	21.64	22.00	Complies
134	5670 MHz	16.70	17.81	16.50	21.81	22.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.90	17.11	17.53	21.96	22.00	Complies
56	5280 MHz	16.83	16.67	17.04	21.62	22.00	Complies
60	5300 MHz	16.45	16.67	17.22	21.56	22.00	Complies
64	5320 MHz	13.03	13.38	14.02	18.27	22.00	Complies
100	5500 MHz	13.61	15.10	14.08	19.08	22.00	Complies
116	5580 MHz	16.04	17.78	16.33	21.56	22.00	Complies
140	5700 MHz	7.96	8.59	8.19	13.03	22.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.82	16.83	17.61	21.87	22.00	Complies
62	5310 MHz	13.00	13.19	13.76	18.10	22.00	Complies
102	5510 MHz	13.47	14.99	13.94	18.95	22.00	Complies
110	5550 MHz	16.06	17.61	16.54	21.56	22.00	Complies
134	5670 MHz	16.74	17.83	16.57	21.85	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.26	12.34	12.97	17.31	22.00	Complies
56	5280 MHz	11.76	11.26	11.92	16.43	22.00	Complies
60	5300 MHz	12.41	12.45	13.08	17.43	22.00	Complies
64	5320 MHz	12.13	12.17	12.77	17.14	22.00	Complies
100	5500 MHz	12.00	13.51	12.45	17.47	22.00	Complies
116	5580 MHz	11.80	13.55	12.10	17.32	22.00	Complies
140	5700 MHz	6.92	8.10	7.14	12.19	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.14	15.85	16.11	20.81	22.00	Complies
62	5310 MHz	13.36	13.70	14.22	18.55	22.00	Complies
102	5510 MHz	14.40	15.92	14.39	19.74	22.00	Complies
110	5550 MHz	14.94	16.65	15.55	20.54	22.00	Complies
134	5670 MHz	15.73	16.64	15.44	20.74	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	4.37	4.55	5.07	9.44	22.00	Complies
106	5530 MHz	7.62	9.26	8.14	13.17	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.64	15.84	16.38	20.74	22.00	Complies
56	5280 MHz	15.18	14.45	15.33	19.77	22.00	Complies
60	5300 MHz	15.30	15.42	15.98	20.35	22.00	Complies
64	5320 MHz	12.93	13.12	13.71	18.04	22.00	Complies
100	5500 MHz	13.37	14.86	13.81	18.83	22.00	Complies
116	5580 MHz	14.83	16.50	15.15	20.33	22.00	Complies
140	5700 MHz	10.72	11.76	10.90	15.92	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.60	16.68	17.41	21.68	22.00	Complies
62	5310 MHz	13.65	13.98	14.52	18.84	22.00	Complies
102	5510 MHz	14.33	15.92	14.82	19.85	22.00	Complies
110	5550 MHz	16.46	18.05	16.89	21.96	22.00	Complies
134	5670 MHz	16.58	17.58	16.34	21.64	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	9.77	9.95	10.39	14.82	22.00	Complies
106	5530 MHz	8.45	10.10	9.01	14.01	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.71	16.66	17.27	21.66	22.00	Complies
56	5280 MHz	16.68	16.62	16.88	21.50	22.00	Complies
60	5300 MHz	16.69	16.87	17.49	21.80	22.00	Complies
64	5320 MHz	13.83	14.06	14.69	18.98	22.00	Complies
100	5500 MHz	13.37	14.79	13.76	18.79	22.00	Complies
116	5580 MHz	16.28	17.93	16.61	21.77	22.00	Complies
140	5700 MHz	8.46	9.04	8.55	13.46	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.75	16.74	17.53	21.79	22.00	Complies
62	5310 MHz	12.88	13.11	13.61	17.98	22.00	Complies
102	5510 MHz	13.38	14.95	13.85	18.88	22.00	Complies
110	5550 MHz	16.03	17.60	16.46	21.52	22.00	Complies
134	5670 MHz	16.69	17.71	16.52	21.78	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	9.16	9.34	9.81	14.22	22.00	Complies
106	5530 MHz	5.91	7.55	6.42	11.45	22.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.78	22.00	Complies
56	5280 MHz	21.79	22.00	Complies
60	5300 MHz	21.70	22.00	Complies
64	5320 MHz	18.44	22.00	Complies
100	5500 MHz	20.40	22.00	Complies
116	5580 MHz	21.55	22.00	Complies
140	5700 MHz	14.43	22.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.90	15.93	18.93	22.00	Complies
56	5280 MHz	16.66	16.01	19.36	22.00	Complies
60	5300 MHz	16.11	15.99	19.06	22.00	Complies
64	5320 MHz	16.23	15.98	19.12	22.00	Complies
100	5500 MHz	15.15	13.74	17.51	22.00	Complies
116	5580 MHz	16.89	15.08	19.09	22.00	Complies
140	5700 MHz	11.65	10.28	14.03	22.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.63	12.55	13.04	17.52	22.00	Complies
56	5280 MHz	11.95	11.51	12.04	16.61	22.00	Complies
60	5300 MHz	12.69	12.70	13.26	17.66	22.00	Complies
64	5320 MHz	12.21	12.44	13.10	17.37	22.00	Complies
100	5500 MHz	12.15	13.66	12.61	17.62	22.00	Complies
116	5580 MHz	12.04	13.83	12.38	17.59	22.00	Complies
140	5700 MHz	6.84	7.87	7.05	12.05	22.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11n/ac
Test Date	May 05, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	17.12	17.50	Complies
56	5280 MHz	10.90	17.50	Complies
60	5300 MHz	14.29	17.50	Complies
64	5320 MHz	8.93	17.50	Complies
100	5500 MHz	10.81	17.50	Complies
116	5580 MHz	17.12	17.50	Complies
140	5700 MHz	7.38	17.50	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	17.16	17.50	Complies
62	5310 MHz	9.81	17.50	Complies
102	5510 MHz	10.32	17.50	Complies
110	5550 MHz	17.21	17.50	Complies
134	5670 MHz	16.43	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	17.32	17.50	Complies
56	5280 MHz	10.78	17.50	Complies
60	5300 MHz	13.87	17.50	Complies
64	5320 MHz	9.05	17.50	Complies
100	5500 MHz	10.52	17.50	Complies
116	5580 MHz	17.22	17.50	Complies
140	5700 MHz	7.01	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	17.32	17.50	Complies
62	5310 MHz	9.33	17.50	Complies
102	5510 MHz	11.04	17.50	Complies
110	5550 MHz	17.42	17.50	Complies
134	5670 MHz	16.46	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	2.78	17.50	Complies
106	5530 MHz	3.41	17.50	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.32	11.34	14.34	17.50	Complies
56	5280 MHz	5.34	5.35	8.36	17.50	Complies
60	5300 MHz	11.35	11.45	14.41	17.50	Complies
64	5320 MHz	5.93	6.08	9.02	17.50	Complies
100	5500 MHz	5.00	6.45	8.80	17.50	Complies
116	5580 MHz	10.61	12.01	14.38	17.50	Complies
140	5700 MHz	0.99	1.48	4.25	17.50	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	14.18	14.16	17.18	17.50	Complies
62	5310 MHz	7.09	7.05	10.08	17.50	Complies
102	5510 MHz	7.00	8.42	10.78	17.50	Complies
110	5550 MHz	13.42	15.31	17.48	17.50	Complies
134	5670 MHz	13.70	14.90	17.35	17.50	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	14.04	14.08	17.07	17.50	Complies
56	5280 MHz	5.61	5.65	8.64	17.50	Complies
60	5300 MHz	11.67	11.78	14.74	17.50	Complies
64	5320 MHz	6.78	6.98	9.89	17.50	Complies
100	5500 MHz	5.98	7.43	9.78	17.50	Complies
116	5580 MHz	13.19	15.07	17.24	17.50	Complies
140	5700 MHz	2.88	3.42	6.17	17.50	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	13.99	13.92	16.97	17.50	Complies
62	5310 MHz	6.81	6.77	9.80	17.50	Complies
102	5510 MHz	7.31	8.77	11.11	17.50	Complies
110	5550 MHz	13.25	15.13	17.30	17.50	Complies
134	5670 MHz	13.47	14.74	17.16	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.35	11.27	14.32	17.50	Complies
56	5280 MHz	5.85	5.83	8.85	17.50	Complies
60	5300 MHz	11.40	11.36	14.39	17.50	Complies
64	5320 MHz	6.94	7.02	9.99	17.50	Complies
100	5500 MHz	6.01	7.44	9.79	17.50	Complies
116	5580 MHz	10.54	11.96	14.32	17.50	Complies
140	5700 MHz	2.99	3.51	6.27	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	14.07	14.15	17.12	17.50	Complies
62	5310 MHz	7.34	7.48	10.42	17.50	Complies
102	5510 MHz	7.41	8.79	11.16	17.50	Complies
110	5550 MHz	13.34	15.22	17.39	17.50	Complies
134	5670 MHz	13.68	14.78	17.28	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	1.22	1.35	4.30	17.50	Complies
106	5530 MHz	0.17	1.74	4.04	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	14.15	14.16	17.17	17.50	Complies
56	5280 MHz	5.70	5.80	8.76	17.50	Complies
60	5300 MHz	11.78	11.87	14.84	17.50	Complies
64	5320 MHz	6.86	7.01	9.95	17.50	Complies
100	5500 MHz	6.06	7.43	9.81	17.50	Complies
116	5580 MHz	13.28	15.11	17.30	17.50	Complies
140	5700 MHz	2.98	3.46	6.24	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	14.01	14.08	17.06	17.50	Complies
62	5310 MHz	7.43	7.51	10.48	17.50	Complies
102	5510 MHz	7.38	8.74	11.12	17.50	Complies
110	5550 MHz	13.36	15.25	17.42	17.50	Complies
134	5670 MHz	13.53	14.72	17.18	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	1.26	1.35	4.32	17.50	Complies
106	5530 MHz	0.16	1.81	4.07	17.50	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	17.49	17.50	Complies
56	5280 MHz	11.01	17.50	Complies
60	5300 MHz	14.02	17.50	Complies
64	5320 MHz	9.35	17.50	Complies
100	5500 MHz	11.06	17.50	Complies
116	5580 MHz	17.32	17.50	Complies
140	5700 MHz	7.51	17.50	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.47	11.41	14.45	17.50	Complies
56	5280 MHz	5.40	5.39	8.41	17.50	Complies
60	5300 MHz	10.98	11.02	14.01	17.50	Complies
64	5320 MHz	5.47	5.63	8.56	17.50	Complies
100	5500 MHz	5.72	7.10	9.47	17.50	Complies
116	5580 MHz	10.77	12.13	14.51	17.50	Complies
140	5700 MHz	2.18	2.59	5.40	17.50	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11n/ac
Test Date	May 05, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.81	22.00	Complies
56	5280 MHz	13.85	22.00	Complies
60	5300 MHz	21.82	22.00	Complies
64	5320 MHz	15.12	22.00	Complies
100	5500 MHz	18.01	22.00	Complies
116	5580 MHz	21.71	22.00	Complies
140	5700 MHz	14.60	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.96	22.00	Complies
62	5310 MHz	13.40	22.00	Complies
102	5510 MHz	18.85	22.00	Complies
110	5550 MHz	21.74	22.00	Complies
134	5670 MHz	21.43	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.99	22.00	Complies
56	5280 MHz	13.91	22.00	Complies
60	5300 MHz	21.62	22.00	Complies
64	5320 MHz	15.38	22.00	Complies
100	5500 MHz	18.18	22.00	Complies
116	5580 MHz	21.62	22.00	Complies
140	5700 MHz	14.91	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.62	22.00	Complies
62	5310 MHz	13.19	22.00	Complies
102	5510 MHz	19.01	22.00	Complies
110	5550 MHz	21.93	22.00	Complies
134	5670 MHz	21.25	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	7.68	22.00	Complies
106	5530 MHz	12.55	22.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.89	15.79	18.85	22.00	Complies
56	5280 MHz	11.91	11.87	14.90	22.00	Complies
60	5300 MHz	12.79	12.75	15.78	22.00	Complies
64	5320 MHz	10.77	10.65	13.72	22.00	Complies
100	5500 MHz	12.31	11.25	14.82	22.00	Complies
116	5580 MHz	16.75	14.95	18.95	22.00	Complies
140	5700 MHz	12.99	11.84	15.46	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.87	18.91	21.90	22.00	Complies
62	5310 MHz	10.08	10.01	13.06	22.00	Complies
102	5510 MHz	13.38	12.22	15.85	22.00	Complies
110	5550 MHz	19.34	17.62	21.57	22.00	Complies
134	5670 MHz	19.32	17.76	21.62	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.73	18.82	21.79	22.00	Complies
56	5280 MHz	11.35	11.38	14.38	22.00	Complies
60	5300 MHz	16.25	16.39	19.33	22.00	Complies
64	5320 MHz	10.95	11.13	14.05	22.00	Complies
100	5500 MHz	11.92	13.38	15.72	22.00	Complies
116	5580 MHz	17.83	19.65	21.84	22.00	Complies
140	5700 MHz	10.43	11.21	13.85	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.78	18.82	21.81	22.00	Complies
62	5310 MHz	10.57	10.77	13.68	22.00	Complies
102	5510 MHz	14.55	16.14	18.43	22.00	Complies
110	5550 MHz	17.82	19.50	21.75	22.00	Complies
134	5670 MHz	17.87	19.06	21.52	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.79	15.76	18.79	22.00	Complies
56	5280 MHz	11.89	11.71	14.81	22.00	Complies
60	5300 MHz	12.88	12.75	15.83	22.00	Complies
64	5320 MHz	11.21	11.07	14.15	22.00	Complies
100	5500 MHz	12.35	11.33	14.88	22.00	Complies
116	5580 MHz	16.66	14.83	18.85	22.00	Complies
140	5700 MHz	12.84	11.71	15.32	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.92	18.98	21.96	22.00	Complies
62	5310 MHz	10.36	10.16	13.27	22.00	Complies
102	5510 MHz	15.74	14.24	18.06	22.00	Complies
110	5550 MHz	19.61	18.05	21.91	22.00	Complies
134	5670 MHz	19.21	18.06	21.68	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	4.43	4.32	7.39	22.00	Complies
106	5530 MHz	5.67	4.06	7.95	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.72	18.82	21.78	22.00	Complies
56	5280 MHz	11.09	11.29	14.20	22.00	Complies
60	5300 MHz	16.20	16.42	19.32	22.00	Complies
64	5320 MHz	10.93	11.16	14.06	22.00	Complies
100	5500 MHz	12.44	13.95	16.27	22.00	Complies
116	5580 MHz	17.81	19.66	21.84	22.00	Complies
140	5700 MHz	10.54	11.31	13.95	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.81	18.76	21.80	22.00	Complies
62	5310 MHz	11.06	11.24	14.16	22.00	Complies
102	5510 MHz	14.53	16.11	18.40	22.00	Complies
110	5550 MHz	17.94	19.61	21.87	22.00	Complies
134	5670 MHz	17.89	19.13	21.56	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	4.51	4.74	7.64	22.00	Complies
106	5530 MHz	7.99	9.68	11.93	22.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.38	12.39	12.96	17.36	22.00	Complies
56	5280 MHz	11.14	11.43	12.01	16.31	22.00	Complies
60	5300 MHz	12.31	12.58	13.15	17.47	22.00	Complies
64	5320 MHz	7.89	8.12	8.70	13.02	22.00	Complies
100	5500 MHz	9.88	10.93	10.15	15.11	22.00	Complies
116	5580 MHz	11.93	13.68	12.27	17.47	22.00	Complies
140	5700 MHz	9.26	9.81	8.92	14.12	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	15.26	15.85	16.13	20.53	22.00	Complies
62	5310 MHz	9.00	9.38	9.77	14.17	22.00	Complies
102	5510 MHz	12.10	13.55	12.49	17.53	22.00	Complies
110	5550 MHz	14.99	16.72	15.49	20.57	22.00	Complies
134	5670 MHz	15.33	16.84	15.29	20.65	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.82	16.02	16.58	20.92	22.00	Complies
56	5280 MHz	11.13	11.21	11.86	16.18	22.00	Complies
60	5300 MHz	14.84	15.13	15.66	19.99	22.00	Complies
64	5320 MHz	9.31	9.59	10.14	14.47	22.00	Complies
100	5500 MHz	11.54	13.03	11.98	17.00	22.00	Complies
116	5580 MHz	15.05	16.78	15.42	20.59	22.00	Complies
140	5700 MHz	10.20	10.88	10.00	15.15	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.58	16.72	17.48	21.72	22.00	Complies
62	5310 MHz	8.93	9.21	9.73	14.07	22.00	Complies
102	5510 MHz	12.33	13.82	12.75	17.78	22.00	Complies
110	5550 MHz	16.09	17.79	16.53	21.64	22.00	Complies
134	5670 MHz	16.70	17.81	16.50	21.81	22.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.90	17.11	17.53	21.96	22.00	Complies
56	5280 MHz	10.61	10.71	11.31	15.66	22.00	Complies
60	5300 MHz	13.39	13.62	14.19	18.52	22.00	Complies
64	5320 MHz	7.83	8.13	8.66	12.99	22.00	Complies
100	5500 MHz	11.53	12.95	12.04	16.98	22.00	Complies
116	5580 MHz	16.04	17.78	16.33	21.56	22.00	Complies
140	5700 MHz	9.00	9.64	8.75	13.92	22.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.82	16.83	17.61	21.87	22.00	Complies
62	5310 MHz	9.13	9.33	9.81	14.20	22.00	Complies
102	5510 MHz	11.49	12.93	11.91	16.92	22.00	Complies
110	5550 MHz	16.03	17.60	16.46	21.52	22.00	Complies
134	5670 MHz	16.74	17.83	16.57	21.85	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.26	12.34	12.97	17.31	22.00	Complies
56	5280 MHz	11.17	11.42	11.91	16.28	22.00	Complies
60	5300 MHz	12.41	12.45	13.08	17.43	22.00	Complies
64	5320 MHz	7.51	7.88	8.40	12.72	22.00	Complies
100	5500 MHz	9.69	10.89	10.15	15.04	22.00	Complies
116	5580 MHz	11.80	13.55	12.10	17.32	22.00	Complies
140	5700 MHz	8.99	9.61	8.74	13.90	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.14	15.85	16.11	20.81	22.00	Complies
62	5310 MHz	9.13	9.32	9.74	14.18	22.00	Complies
102	5510 MHz	11.89	13.37	12.37	17.36	22.00	Complies
110	5550 MHz	14.94	16.65	15.55	20.54	22.00	Complies
134	5670 MHz	15.73	16.64	15.44	20.74	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	2.98	3.07	3.47	7.95	22.00	Complies
106	5530 MHz	2.61	4.23	3.08	8.13	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.64	15.84	16.38	20.74	22.00	Complies
56	5280 MHz	11.19	11.21	11.83	16.19	22.00	Complies
60	5300 MHz	14.73	14.94	15.48	19.83	22.00	Complies
64	5320 MHz	9.05	9.37	9.84	14.20	22.00	Complies
100	5500 MHz	11.36	12.73	11.67	16.73	22.00	Complies
116	5580 MHz	14.83	16.50	15.15	20.33	22.00	Complies
140	5700 MHz	10.15	10.73	9.83	15.02	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.60	16.68	17.41	21.68	22.00	Complies
62	5310 MHz	8.91	9.14	9.61	14.00	22.00	Complies
102	5510 MHz	12.27	13.82	12.82	17.79	22.00	Complies
110	5550 MHz	16.46	18.05	16.89	21.96	22.00	Complies
134	5670 MHz	16.58	17.58	16.34	21.64	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.21	3.53	3.97	8.35	22.00	Complies
106	5530 MHz	7.47	9.06	7.96	12.99	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.71	16.66	17.27	21.66	22.00	Complies
56	5280 MHz	10.54	10.65	11.31	15.62	22.00	Complies
60	5300 MHz	14.14	14.35	14.92	19.25	22.00	Complies
64	5320 MHz	7.99	8.20	8.00	12.84	22.00	Complies
100	5500 MHz	11.84	13.22	12.26	17.25	22.00	Complies
116	5580 MHz	16.28	17.93	16.61	21.77	22.00	Complies
140	5700 MHz	9.50	10.09	9.16	14.37	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.75	16.74	17.53	21.79	22.00	Complies
62	5310 MHz	10.02	10.19	10.69	15.08	22.00	Complies
102	5510 MHz	12.39	13.94	12.84	17.88	22.00	Complies
110	5550 MHz	16.03	17.60	16.46	21.52	22.00	Complies
134	5670 MHz	16.69	17.71	16.52	21.78	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.89	3.90	4.30	8.81	22.00	Complies
106	5530 MHz	6.90	8.46	7.38	12.40	22.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.78	22.00	Complies
56	5280 MHz	14.01	22.00	Complies
60	5300 MHz	21.70	22.00	Complies
64	5320 MHz	15.94	22.00	Complies
100	5500 MHz	20.40	22.00	Complies
116	5580 MHz	21.55	22.00	Complies
140	5700 MHz	14.43	22.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.94	15.92	18.94	22.00	Complies
56	5280 MHz	12.05	12.09	15.08	22.00	Complies
60	5300 MHz	12.95	12.94	15.96	22.00	Complies
64	5320 MHz	11.36	11.14	14.26	22.00	Complies
100	5500 MHz	12.43	11.39	14.95	22.00	Complies
116	5580 MHz	16.89	15.08	19.09	22.00	Complies
140	5700 MHz	13.05	11.89	15.52	22.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.63	12.55	13.04	17.52	22.00	Complies
56	5280 MHz	11.29	11.47	11.99	16.36	22.00	Complies
60	5300 MHz	12.69	12.70	13.26	17.52	22.00	Complies
64	5320 MHz	8.02	8.19	8.71	17.66	22.00	Complies
100	5500 MHz	10.10	11.13	10.41	15.34	22.00	Complies
116	5580 MHz	12.04	13.83	12.38	17.59	22.00	Complies
140	5700 MHz	9.38	9.82	9.07	14.21	22.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11n/ac
Test Date	May 05, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.59	24.00	Complies
60	5300 MHz	23.81	24.00	Complies
64	5320 MHz	18.07	24.00	Complies
100	5500 MHz	17.95	24.00	Complies
116	5580 MHz	23.83	24.00	Complies
140	5700 MHz	17.02	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	22.81	24.00	Complies
62	5310 MHz	16.83	24.00	Complies
102	5510 MHz	19.51	24.00	Complies
110	5550 MHz	23.77	24.00	Complies
134	5670 MHz	22.75	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.54	24.00	Complies
60	5300 MHz	23.67	24.00	Complies
64	5320 MHz	18.01	24.00	Complies
100	5500 MHz	18.93	24.00	Complies
116	5580 MHz	23.92	24.00	Complies
140	5700 MHz	17.61	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	22.84	24.00	Complies
62	5310 MHz	16.63	24.00	Complies
102	5510 MHz	19.59	24.00	Complies
110	5550 MHz	23.38	24.00	Complies
134	5670 MHz	22.57	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	12.75	24.00	Complies
106	5530 MHz	11.81	24.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.73	20.47	23.61	24.00	Complies
60	5300 MHz	20.17	19.01	22.64	24.00	Complies
64	5320 MHz	13.75	12.81	16.32	24.00	Complies
100	5500 MHz	13.21	14.38	16.84	24.00	Complies
116	5580 MHz	19.86	20.88	23.41	24.00	Complies
140	5700 MHz	12.18	12.55	15.38	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.68	20.24	23.48	24.00	Complies
62	5310 MHz	13.91	13.08	16.53	24.00	Complies
102	5510 MHz	14.58	15.43	18.04	24.00	Complies
110	5550 MHz	20.13	20.97	23.58	24.00	Complies
134	5670 MHz	20.52	21.06	23.81	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.14	20.30	23.75	24.00	Complies
60	5300 MHz	19.69	18.53	22.16	24.00	Complies
64	5320 MHz	14.25	13.35	16.83	24.00	Complies
100	5500 MHz	13.72	14.90	17.36	24.00	Complies
116	5580 MHz	20.47	21.44	23.99	24.00	Complies
140	5700 MHz	11.66	12.04	14.86	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	21.11	20.56	23.85	24.00	Complies
62	5310 MHz	14.29	13.31	16.84	24.00	Complies
102	5510 MHz	14.85	15.71	18.31	24.00	Complies
110	5550 MHz	20.42	21.21	23.84	24.00	Complies
134	5670 MHz	20.45	20.95	23.72	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.22	20.71	23.98	24.00	Complies
60	5300 MHz	20.32	19.37	22.88	24.00	Complies
64	5320 MHz	13.88	12.85	16.41	24.00	Complies
100	5500 MHz	13.38	14.53	17.00	24.00	Complies
116	5580 MHz	20.09	21.15	23.66	24.00	Complies
140	5700 MHz	12.28	12.67	15.49	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	21.01	20.36	23.71	24.00	Complies
62	5310 MHz	14.12	13.09	16.65	24.00	Complies
102	5510 MHz	14.67	15.51	18.12	24.00	Complies
110	5550 MHz	20.28	21.01	23.67	24.00	Complies
134	5670 MHz	20.48	21.13	23.83	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	6.64	5.72	9.21	24.00	Complies
106	5530 MHz	6.08	7.01	9.58	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.97	20.66	23.83	24.00	Complies
60	5300 MHz	20.59	19.75	23.20	24.00	Complies
64	5320 MHz	14.14	13.23	16.72	24.00	Complies
100	5500 MHz	13.61	14.80	17.26	24.00	Complies
116	5580 MHz	20.38	21.34	23.90	24.00	Complies
140	5700 MHz	12.59	12.52	15.57	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.99	20.48	23.75	24.00	Complies
62	5310 MHz	14.70	13.70	17.24	24.00	Complies
102	5510 MHz	15.09	16.15	18.66	24.00	Complies
110	5550 MHz	20.30	21.15	23.76	24.00	Complies
134	5670 MHz	20.30	20.92	23.63	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	9.51	8.66	12.12	24.00	Complies
106	5530 MHz	9.40	10.26	12.86	24.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.83	18.01	18.75	23.32	24.00	Complies
60	5300 MHz	19.40	18.21	19.31	23.78	24.00	Complies
64	5320 MHz	13.01	11.93	13.06	17.47	24.00	Complies
100	5500 MHz	12.43	13.41	12.39	17.54	24.00	Complies
116	5580 MHz	18.11	18.93	17.72	23.05	24.00	Complies
140	5700 MHz	11.89	12.08	11.32	16.55	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.04	18.45	18.98	23.60	24.00	Complies
62	5310 MHz	12.56	11.70	12.74	17.13	24.00	Complies
102	5510 MHz	13.12	13.90	12.96	18.12	24.00	Complies
110	5550 MHz	18.52	19.27	18.52	23.56	24.00	Complies
134	5670 MHz	19.15	19.54	18.49	23.85	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.13	18.65	19.11	23.74	24.00	Complies
60	5300 MHz	18.68	17.68	18.71	23.15	24.00	Complies
64	5320 MHz	12.81	11.85	12.99	17.35	24.00	Complies
100	5500 MHz	12.75	13.81	12.44	17.81	24.00	Complies
116	5580 MHz	18.97	19.84	18.64	23.95	24.00	Complies
140	5700 MHz	12.84	13.07	12.24	17.50	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.17	18.69	19.21	23.80	24.00	Complies
62	5310 MHz	13.37	12.47	13.47	17.90	24.00	Complies
102	5510 MHz	14.42	15.19	14.23	19.40	24.00	Complies
110	5550 MHz	18.81	19.52	18.81	23.83	24.00	Complies
134	5670 MHz	19.25	19.67	18.66	23.98	24.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.17	18.31	19.11	23.65	24.00	Complies
60	5300 MHz	19.11	18.02	19.07	23.53	24.00	Complies
64	5320 MHz	12.34	11.31	12.41	16.82	24.00	Complies
100	5500 MHz	12.39	13.11	12.16	17.34	24.00	Complies
116	5580 MHz	18.88	19.65	18.54	23.82	24.00	Complies
140	5700 MHz	12.78	12.98	12.21	17.44	24.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.15	18.65	19.14	23.76	24.00	Complies
62	5310 MHz	13.80	12.81	13.89	18.30	24.00	Complies
102	5510 MHz	14.66	15.56	14.49	19.70	24.00	Complies
110	5550 MHz	18.73	19.48	18.75	23.77	24.00	Complies
134	5670 MHz	19.23	19.62	18.70	23.97	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.84	18.10	18.72	23.34	24.00	Complies
60	5300 MHz	19.09	17.86	18.91	23.42	24.00	Complies
64	5320 MHz	12.98	12.13	13.22	17.57	24.00	Complies
100	5500 MHz	12.16	12.98	11.81	17.12	24.00	Complies
116	5580 MHz	17.99	18.92	17.67	23.00	24.00	Complies
140	5700 MHz	11.96	12.09	11.26	16.56	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.07	18.41	19.05	23.63	24.00	Complies
62	5310 MHz	12.71	11.78	12.83	17.24	24.00	Complies
102	5510 MHz	13.19	13.95	12.99	18.17	24.00	Complies
110	5550 MHz	18.62	19.38	18.65	23.67	24.00	Complies
134	5670 MHz	19.22	19.59	18.52	23.90	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	4.41	3.56	4.42	8.92	24.00	Complies
106	5530 MHz	5.36	6.13	5.13	10.33	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.31	19.00	19.28	23.97	24.00	Complies
60	5300 MHz	18.43	17.30	18.28	22.80	24.00	Complies
64	5320 MHz	12.93	11.96	13.14	17.48	24.00	Complies
100	5500 MHz	13.02	13.70	12.67	17.92	24.00	Complies
116	5580 MHz	18.95	19.81	18.58	23.92	24.00	Complies
140	5700 MHz	12.92	12.99	12.20	17.49	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.31	18.77	19.16	23.86	24.00	Complies
62	5310 MHz	14.35	13.51	14.53	18.92	24.00	Complies
102	5510 MHz	15.34	16.11	15.15	20.32	24.00	Complies
110	5550 MHz	18.82	19.59	18.80	23.86	24.00	Complies
134	5670 MHz	19.32	19.64	18.60	23.98	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	6.79	5.93	6.78	11.29	24.00	Complies
106	5530 MHz	9.17	9.96	8.98	14.16	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.41	18.71	19.42	23.96	24.00	Complies
60	5300 MHz	19.52	18.35	19.47	23.92	24.00	Complies
64	5320 MHz	12.25	11.21	12.32	16.73	24.00	Complies
100	5500 MHz	12.30	13.12	12.11	17.30	24.00	Complies
116	5580 MHz	18.78	19.65	18.51	23.78	24.00	Complies
140	5700 MHz	12.74	12.91	12.12	17.37	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.09	18.57	19.12	23.71	24.00	Complies
62	5310 MHz	13.78	12.77	13.81	18.25	24.00	Complies
102	5510 MHz	14.53	15.51	14.39	19.61	24.00	Complies
110	5550 MHz	18.75	19.51	18.70	23.77	24.00	Complies
134	5670 MHz	19.19	19.55	18.55	23.89	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	8.91	8.08	8.92	13.43	24.00	Complies
106	5530 MHz	7.72	8.47	7.56	12.71	24.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.71	24.00	Complies
60	5300 MHz	23.86	24.00	Complies
64	5320 MHz	18.21	24.00	Complies
100	5500 MHz	19.13	24.00	Complies
116	5580 MHz	23.99	24.00	Complies
140	5700 MHz	17.81	24.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.17	20.78	23.99	24.00	Complies
60	5300 MHz	20.12	19.03	22.62	24.00	Complies
64	5320 MHz	13.91	13.01	16.49	24.00	Complies
100	5500 MHz	13.52	14.59	17.10	24.00	Complies
116	5580 MHz	20.23	21.15	23.72	24.00	Complies
140	5700 MHz	12.44	12.68	15.57	24.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.06	18.45	18.95	23.60	24.00	Complies
60	5300 MHz	19.03	17.95	19.06	23.48	24.00	Complies
64	5320 MHz	13.09	12.25	13.30	17.67	24.00	Complies
100	5500 MHz	12.27	13.08	12.02	17.25	24.00	Complies
116	5580 MHz	18.21	19.11	17.84	23.19	24.00	Complies
140	5700 MHz	11.98	11.63	10.90	16.30	24.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.59	24.00	Complies
60	5300 MHz	23.81	24.00	Complies
64	5320 MHz	19.79	24.00	Complies
100	5500 MHz	19.02	24.00	Complies
116	5580 MHz	23.83	24.00	Complies
140	5700 MHz	19.18	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	22.81	24.00	Complies
62	5310 MHz	18.35	24.00	Complies
102	5510 MHz	19.01	24.00	Complies
110	5550 MHz	23.77	24.00	Complies
134	5670 MHz	22.75	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.54	24.00	Complies
60	5300 MHz	23.67	24.00	Complies
64	5320 MHz	19.71	24.00	Complies
100	5500 MHz	18.93	24.00	Complies
116	5580 MHz	23.92	24.00	Complies
140	5700 MHz	19.01	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	22.84	24.00	Complies
62	5310 MHz	18.12	24.00	Complies
102	5510 MHz	19.04	24.00	Complies
110	5550 MHz	23.38	24.00	Complies
134	5670 MHz	22.57	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	16.17	24.00	Complies
106	5530 MHz	12.31	24.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.73	20.47	23.61	24.00	Complies
60	5300 MHz	20.95	20.08	23.55	24.00	Complies
64	5320 MHz	14.82	13.90	17.39	24.00	Complies
100	5500 MHz	15.32	16.01	18.69	24.00	Complies
116	5580 MHz	19.86	20.88	23.41	24.00	Complies
140	5700 MHz	11.57	12.00	14.80	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.68	20.24	23.48	24.00	Complies
62	5310 MHz	14.43	13.40	16.96	24.00	Complies
102	5510 MHz	15.10	15.85	18.50	24.00	Complies
110	5550 MHz	20.13	20.97	23.58	24.00	Complies
134	5670 MHz	20.52	21.06	23.81	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.08	20.71	23.91	24.00	Complies
60	5300 MHz	21.11	20.31	23.74	24.00	Complies
64	5320 MHz	15.26	14.15	17.75	24.00	Complies
100	5500 MHz	15.80	16.73	19.30	24.00	Complies
116	5580 MHz	20.47	21.44	23.99	24.00	Complies
140	5700 MHz	12.68	12.65	15.68	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	21.11	20.56	23.85	24.00	Complies
62	5310 MHz	15.78	14.79	18.32	24.00	Complies
102	5510 MHz	14.85	15.71	18.31	24.00	Complies
110	5550 MHz	20.42	21.21	23.84	24.00	Complies
134	5670 MHz	20.45	20.95	23.72	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.22	20.71	23.98	24.00	Complies
60	5300 MHz	21.33	20.45	23.92	24.00	Complies
64	5320 MHz	15.27	14.14	17.75	24.00	Complies
100	5500 MHz	15.45	16.31	18.91	24.00	Complies
116	5580 MHz	20.09	21.15	23.66	24.00	Complies
140	5700 MHz	11.74	12.10	14.93	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	21.01	20.36	23.71	24.00	Complies
62	5310 MHz	14.49	13.59	17.07	24.00	Complies
102	5510 MHz	15.19	15.98	18.61	24.00	Complies
110	5550 MHz	20.28	21.01	23.67	24.00	Complies
134	5670 MHz	20.48	21.13	23.83	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	9.30	8.44	11.90	24.00	Complies
106	5530 MHz	7.07	8.01	10.58	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.97	20.66	23.83	24.00	Complies
60	5300 MHz	21.05	20.23	23.67	24.00	Complies
64	5320 MHz	15.18	13.99	17.64	24.00	Complies
100	5500 MHz	15.69	16.59	19.17	24.00	Complies
116	5580 MHz	20.38	21.34	23.90	24.00	Complies
140	5700 MHz	12.59	12.52	15.57	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.99	20.48	23.75	24.00	Complies
62	5310 MHz	15.70	14.68	18.23	24.00	Complies
102	5510 MHz	15.09	16.15	18.66	24.00	Complies
110	5550 MHz	20.30	21.15	23.76	24.00	Complies
134	5670 MHz	20.30	20.92	23.63	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	9.56	8.66	12.14	24.00	Complies
106	5530 MHz	8.32	9.21	11.80	24.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.29	17.54	18.37	22.85	24.00	Complies
60	5300 MHz	18.23	17.19	18.31	22.71	24.00	Complies
64	5320 MHz	17.55	16.22	17.78	22.01	24.00	Complies
100	5500 MHz	16.01	16.68	15.73	20.93	24.00	Complies
116	5580 MHz	18.11	18.93	17.72	23.05	24.00	Complies
140	5700 MHz	12.99	13.16	12.38	17.63	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.04	18.45	18.98	23.60	24.00	Complies
62	5310 MHz	14.71	13.67	14.71	19.16	24.00	Complies
102	5510 MHz	16.01	16.71	15.76	20.95	24.00	Complies
110	5550 MHz	18.52	19.27	18.52	23.56	24.00	Complies
134	5670 MHz	19.15	19.54	18.49	23.85	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.13	18.65	19.11	23.74	24.00	Complies
60	5300 MHz	19.17	18.05	19.19	23.61	24.00	Complies
64	5320 MHz	18.53	17.25	18.73	22.99	24.00	Complies
100	5500 MHz	16.36	17.01	16.13	21.29	24.00	Complies
116	5580 MHz	18.97	19.84	18.64	23.95	24.00	Complies
140	5700 MHz	12.29	12.44	11.69	16.92	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.17	18.69	19.21	23.80	24.00	Complies
62	5310 MHz	15.92	14.89	15.94	20.38	24.00	Complies
102	5510 MHz	17.22	17.95	17.06	22.20	24.00	Complies
110	5550 MHz	18.81	19.52	18.81	23.83	24.00	Complies
134	5670 MHz	19.25	19.67	18.66	23.98	24.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.17	18.31	19.11	23.65	24.00	Complies
60	5300 MHz	19.11	18.02	19.07	23.53	24.00	Complies
64	5320 MHz	18.42	17.17	18.64	22.89	24.00	Complies
100	5500 MHz	17.33	18.11	17.06	22.29	24.00	Complies
116	5580 MHz	18.88	19.65	18.54	23.82	24.00	Complies
140	5700 MHz	14.91	15.08	14.27	19.54	24.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.15	18.65	19.14	23.76	24.00	Complies
62	5310 MHz	18.69	17.61	18.76	23.16	24.00	Complies
102	5510 MHz	18.57	19.28	18.45	23.55	24.00	Complies
110	5550 MHz	18.73	19.48	18.75	23.77	24.00	Complies
134	5670 MHz	19.23	19.62	18.70	23.97	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.35	17.53	18.22	22.82	24.00	Complies
60	5300 MHz	18.42	17.41	18.40	22.87	24.00	Complies
64	5320 MHz	17.78	16.45	17.90	22.20	24.00	Complies
100	5500 MHz	15.99	16.68	15.72	20.92	24.00	Complies
116	5580 MHz	17.99	18.92	17.67	23.00	24.00	Complies
140	5700 MHz	13.01	13.16	12.33	17.62	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.07	18.41	19.05	23.63	24.00	Complies
62	5310 MHz	15.28	14.25	15.32	19.75	24.00	Complies
102	5510 MHz	16.46	17.18	16.26	21.42	24.00	Complies
110	5550 MHz	18.62	19.38	18.65	23.67	24.00	Complies
134	5670 MHz	19.22	19.59	18.52	23.90	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	8.98	8.09	8.91	13.45	24.00	Complies
106	5530 MHz	8.76	9.55	8.67	13.78	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.31	19.00	19.28	23.97	24.00	Complies
60	5300 MHz	19.38	18.60	19.23	23.85	24.00	Complies
64	5320 MHz	18.55	17.31	18.73	23.01	24.00	Complies
100	5500 MHz	16.43	17.09	16.15	21.35	24.00	Complies
116	5580 MHz	18.95	19.81	18.58	23.92	24.00	Complies
140	5700 MHz	12.36	12.46	11.65	16.94	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.31	18.77	19.16	23.86	24.00	Complies
62	5310 MHz	16.33	15.39	16.49	20.87	24.00	Complies
102	5510 MHz	17.88	18.62	17.69	22.85	24.00	Complies
110	5550 MHz	18.82	19.59	18.80	23.86	24.00	Complies
134	5670 MHz	19.32	19.64	18.60	23.98	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	13.25	12.39	13.16	17.72	24.00	Complies
106	5530 MHz	11.23	12.00	11.02	16.21	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	19.41	18.71	19.42	23.96	24.00	Complies
60	5300 MHz	19.52	18.35	19.47	23.92	24.00	Complies
64	5320 MHz	18.36	17.09	18.52	22.81	24.00	Complies
100	5500 MHz	17.22	17.95	17.05	22.20	24.00	Complies
116	5580 MHz	18.78	19.65	18.51	23.78	24.00	Complies
140	5700 MHz	14.89	15.05	14.25	19.51	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.09	18.57	19.12	23.71	24.00	Complies
62	5310 MHz	18.71	17.58	18.72	23.14	24.00	Complies
102	5510 MHz	18.67	19.37	18.46	23.62	24.00	Complies
110	5550 MHz	18.75	19.51	18.70	23.77	24.00	Complies
134	5670 MHz	19.19	19.55	18.55	23.89	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	13.42	12.55	13.36	17.90	24.00	Complies
106	5530 MHz	11.84	12.54	11.61	16.79	24.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	23.71	24.00	Complies
60	5300 MHz	23.86	24.00	Complies
64	5320 MHz	19.91	24.00	Complies
100	5500 MHz	19.13	24.00	Complies
116	5580 MHz	23.99	24.00	Complies
140	5700 MHz	19.41	24.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	21.17	20.78	23.99	24.00	Complies
60	5300 MHz	20.97	20.05	23.54	24.00	Complies
64	5320 MHz	15.48	14.31	17.94	24.00	Complies
100	5500 MHz	15.60	16.41	19.03	24.00	Complies
116	5580 MHz	20.23	21.15	23.72	24.00	Complies
140	5700 MHz	11.91	12.23	15.08	24.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.52	17.67	18.39	22.98	24.00	Complies
60	5300 MHz	18.54	17.55	18.61	23.03	24.00	Complies
64	5320 MHz	14.23	13.13	14.37	18.72	24.00	Complies
100	5500 MHz	15.14	15.82	14.81	20.05	24.00	Complies
116	5580 MHz	18.21	19.11	17.84	23.19	24.00	Complies
140	5700 MHz	13.14	13.29	12.48	17.76	24.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11n/ac
Test Date	May 05, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.60	11.21	11.74	16.29	20.80	Complies
56	5280 MHz	11.65	11.14	11.77	16.30	20.80	Complies
60	5300 MHz	11.89	10.96	11.87	16.37	20.80	Complies
64	5320 MHz	9.55	8.47	9.75	14.06	20.80	Complies
100	5500 MHz	11.06	12.01	10.86	16.11	20.80	Complies
116	5580 MHz	11.70	12.47	11.28	16.62	20.80	Complies
140	5700 MHz	8.83	9.03	8.19	13.47	20.80	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.83	14.38	14.89	19.48	20.80	Complies
62	5310 MHz	11.84	10.91	11.94	16.36	20.80	Complies
102	5510 MHz	11.34	12.14	11.16	16.34	20.80	Complies
110	5550 MHz	14.38	15.26	14.48	19.50	20.80	Complies
134	5670 MHz	15.19	15.81	14.65	20.01	20.80	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.49	13.92	14.58	19.11	20.80	Complies
56	5280 MHz	14.21	14.44	15.02	19.34	20.80	Complies
60	5300 MHz	16.11	15.23	16.09	20.60	20.80	Complies
64	5320 MHz	9.98	8.87	10.21	14.50	20.80	Complies
100	5500 MHz	10.95	11.84	10.74	15.97	20.80	Complies
116	5580 MHz	14.25	15.02	13.97	19.21	20.80	Complies
140	5700 MHz	8.72	8.92	8.09	13.36	20.80	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	15.86	15.40	15.89	20.49	20.80	Complies
62	5310 MHz	11.92	11.33	12.10	16.57	20.80	Complies
102	5510 MHz	10.40	11.15	10.20	15.37	20.80	Complies
110	5550 MHz	15.69	16.48	15.63	20.72	20.80	Complies
134	5670 MHz	16.02	16.51	15.48	20.79	20.80	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.91	15.43	15.98	20.55	20.80	Complies
56	5280 MHz	13.71	13.86	14.69	18.88	20.80	Complies
60	5300 MHz	15.59	14.63	15.63	20.08	20.80	Complies
64	5320 MHz	8.35	7.24	8.58	12.87	20.80	Complies
100	5500 MHz	8.31	9.16	8.07	13.31	20.80	Complies
116	5580 MHz	15.77	16.59	15.50	20.75	20.80	Complies
140	5700 MHz	7.09	7.36	6.45	11.75	20.80	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.12	15.58	16.03	20.69	20.80	Complies
62	5310 MHz	11.64	10.68	11.74	16.15	20.80	Complies
102	5510 MHz	11.11	11.91	10.93	16.11	20.80	Complies
110	5550 MHz	15.50	16.31	15.49	20.56	20.80	Complies
134	5670 MHz	16.01	16.55	15.44	20.79	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.83	11.21	11.78	16.39	20.80	Complies
56	5280 MHz	11.85	11.12	11.71	16.34	20.80	Complies
60	5300 MHz	12.00	11.08	11.89	16.45	20.80	Complies
64	5320 MHz	9.65	8.50	9.85	14.14	20.80	Complies
100	5500 MHz	11.16	12.08	10.92	16.19	20.80	Complies
116	5580 MHz	11.73	12.59	11.41	16.71	20.80	Complies
140	5700 MHz	8.91	9.07	8.26	13.53	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.70	14.31	14.82	19.39	20.80	Complies
62	5310 MHz	11.74	10.78	11.88	16.26	20.80	Complies
102	5510 MHz	11.77	12.58	11.63	16.79	20.80	Complies
110	5550 MHz	14.38	15.27	14.37	19.47	20.80	Complies
134	5670 MHz	15.18	15.69	14.61	19.95	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	5.21	4.30	5.11	9.66	20.80	Complies
106	5530 MHz	2.73	3.51	2.65	7.75	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.43	13.71	14.42	18.97	20.80	Complies
56	5280 MHz	14.35	14.39	15.26	19.46	20.80	Complies
60	5300 MHz	16.03	15.02	16.08	20.51	20.80	Complies
64	5320 MHz	9.85	8.84	10.21	14.44	20.80	Complies
100	5500 MHz	10.95	11.76	10.74	15.94	20.80	Complies
116	5580 MHz	14.10	14.87	13.82	19.06	20.80	Complies
140	5700 MHz	8.58	8.78	7.94	13.22	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	15.77	15.22	15.86	20.40	20.80	Complies
62	5310 MHz	12.33	11.40	12.47	16.86	20.80	Complies
102	5510 MHz	10.31	11.13	10.19	15.34	20.80	Complies
110	5550 MHz	15.72	16.52	15.78	20.79	20.80	Complies
134	5670 MHz	15.77	16.40	15.28	20.61	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	8.91	8.15	9.01	13.48	20.80	Complies
106	5530 MHz	3.65	4.82	3.67	8.85	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.85	15.29	15.94	20.47	20.80	Complies
56	5280 MHz	13.69	13.82	14.71	18.87	20.80	Complies
60	5300 MHz	15.57	14.58	15.57	20.04	20.80	Complies
64	5320 MHz	8.28	7.18	8.55	12.81	20.80	Complies
100	5500 MHz	8.28	9.04	8.02	13.24	20.80	Complies
116	5580 MHz	15.75	16.53	15.45	20.71	20.80	Complies
140	5700 MHz	7.33	7.56	6.62	11.96	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.01	15.50	16.02	20.62	20.80	Complies
62	5310 MHz	11.65	10.70	11.69	16.14	20.80	Complies
102	5510 MHz	11.08	11.90	10.90	16.09	20.80	Complies
110	5550 MHz	15.45	16.28	15.44	20.51	20.80	Complies
134	5670 MHz	15.98	16.57	15.44	20.79	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	5.93	5.02	5.86	10.39	20.80	Complies
106	5530 MHz	3.09	4.25	3.35	8.36	20.80	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11a
Test Date	May 05, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.78	11.26	11.89	16.42	20.80	Complies
56	5280 MHz	11.76	11.23	12.05	16.46	20.80	Complies
60	5300 MHz	11.89	11.12	12.01	16.46	20.80	Complies
64	5320 MHz	9.61	8.53	9.87	14.15	20.80	Complies
100	5500 MHz	11.22	12.14	11.01	16.26	20.80	Complies
116	5580 MHz	11.68	12.45	11.46	16.66	20.80	Complies
140	5700 MHz	8.96	9.21	8.26	13.60	20.80	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Serway Li	Configurations	IEEE 802.11n/ac
Test Date	Jul. 07, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	22.36	24.00	Complies
60	5300 MHz	22.21	24.00	Complies
64	5320 MHz	17.97	24.00	Complies
100	5500 MHz	18.52	24.00	Complies
116	5580 MHz	22.92	24.00	Complies
140	5700 MHz	19.46	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	22.36	24.00	Complies
62	5310 MHz	15.24	24.00	Complies
102	5510 MHz	17.45	24.00	Complies
110	5550 MHz	22.76	24.00	Complies
134	5670 MHz	20.66	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	22.36	24.00	Complies
60	5300 MHz	21.85	24.00	Complies
64	5320 MHz	18.48	24.00	Complies
100	5500 MHz	18.97	24.00	Complies
116	5580 MHz	23.01	24.00	Complies
140	5700 MHz	19.41	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.82	24.00	Complies
62	5310 MHz	15.32	24.00	Complies
102	5510 MHz	18.13	24.00	Complies
110	5550 MHz	22.63	24.00	Complies
134	5670 MHz	21.65	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	10.46	24.00	Complies
106	5530 MHz	11.86	24.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.71	18.64	21.69	24.00	Complies
60	5300 MHz	18.12	18.35	21.25	24.00	Complies
64	5320 MHz	13.15	13.11	16.14	24.00	Complies
100	5500 MHz	11.01	11.89	14.48	24.00	Complies
116	5580 MHz	17.33	18.91	21.20	24.00	Complies
140	5700 MHz	11.89	12.93	15.45	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.68	20.71	23.71	24.00	Complies
62	5310 MHz	12.78	12.71	15.76	24.00	Complies
102	5510 MHz	12.29	13.38	15.88	24.00	Complies
110	5550 MHz	19.51	20.83	23.23	24.00	Complies
134	5670 MHz	19.62	20.78	23.25	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.63	20.72	23.69	24.00	Complies
60	5300 MHz	18.61	18.57	21.60	24.00	Complies
64	5320 MHz	12.98	13.11	16.06	24.00	Complies
100	5500 MHz	11.87	12.95	15.45	24.00	Complies
116	5580 MHz	19.45	21.51	23.61	24.00	Complies
140	5700 MHz	11.78	12.53	15.18	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.71	20.76	23.75	24.00	Complies
62	5310 MHz	12.74	12.87	15.82	24.00	Complies
102	5510 MHz	13.01	14.21	16.66	24.00	Complies
110	5550 MHz	19.76	21.21	23.56	24.00	Complies
134	5670 MHz	20.34	21.47	23.95	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.62	18.71	21.68	24.00	Complies
60	5300 MHz	18.36	18.64	21.51	24.00	Complies
64	5320 MHz	13.15	13.18	16.18	24.00	Complies
100	5500 MHz	10.94	11.85	14.43	24.00	Complies
116	5580 MHz	17.56	19.21	21.47	24.00	Complies
140	5700 MHz	12.01	13.11	15.61	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.74	20.76	23.76	24.00	Complies
62	5310 MHz	12.93	13.02	15.99	24.00	Complies
102	5510 MHz	12.53	13.87	16.26	24.00	Complies
110	5550 MHz	19.76	21.29	23.60	24.00	Complies
134	5670 MHz	19.85	21.03	23.49	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	7.42	7.45	10.45	24.00	Complies
106	5530 MHz	3.09	4.16	6.67	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	20.68	20.73	23.72	24.00	Complies
60	5300 MHz	18.71	18.89	21.81	24.00	Complies
64	5320 MHz	13.02	13.21	16.13	24.00	Complies
100	5500 MHz	11.75	12.93	15.39	24.00	Complies
116	5580 MHz	19.85	21.86	23.98	24.00	Complies
140	5700 MHz	11.95	13.04	15.54	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	20.73	20.68	23.72	24.00	Complies
62	5310 MHz	12.82	12.98	15.91	24.00	Complies
102	5510 MHz	12.91	14.34	16.69	24.00	Complies
110	5550 MHz	20.13	21.65	23.97	24.00	Complies
134	5670 MHz	20.21	21.38	23.84	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	8.88	8.76	11.83	24.00	Complies
106	5530 MHz	6.62	8.02	10.39	24.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.12	15.18	15.71	20.12	24.00	Complies
60	5300 MHz	15.07	15.31	15.82	20.18	24.00	Complies
64	5320 MHz	8.65	8.64	9.23	13.62	24.00	Complies
100	5500 MHz	7.95	9.18	8.75	13.43	24.00	Complies
116	5580 MHz	14.25	15.68	14.73	19.70	24.00	Complies
140	5700 MHz	8.46	9.11	8.87	13.59	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	17.91	17.86	18.52	22.88	24.00	Complies
62	5310 MHz	10.68	10.89	11.54	15.82	24.00	Complies
102	5510 MHz	9.67	10.82	10.31	15.06	24.00	Complies
110	5550 MHz	17.35	18.65	18.03	22.81	24.00	Complies
134	5670 MHz	17.84	18.83	18.12	23.05	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.14	18.13	18.67	23.09	24.00	Complies
60	5300 MHz	16.51	16.82	17.37	21.69	24.00	Complies
64	5320 MHz	10.03	10.05	10.77	15.07	24.00	Complies
100	5500 MHz	10.47	11.28	11.03	15.71	24.00	Complies
116	5580 MHz	17.12	18.72	17.78	22.69	24.00	Complies
140	5700 MHz	8.84	9.47	9.12	13.92	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	18.53	18.62	19.23	23.58	24.00	Complies
62	5310 MHz	12.01	12.09	12.53	16.99	24.00	Complies
102	5510 MHz	12.84	14.08	13.47	18.26	24.00	Complies
110	5550 MHz	18.12	19.45	18.82	23.60	24.00	Complies
134	5670 MHz	18.58	19.63	18.89	23.83	24.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.55	18.59	19.14	23.54	24.00	Complies
60	5300 MHz	16.97	17.21	17.71	22.08	24.00	Complies
64	5320 MHz	11.74	11.64	12.53	16.76	24.00	Complies
100	5500 MHz	11.62	12.87	12.32	17.07	24.00	Complies
116	5580 MHz	18.01	19.96	18.63	23.72	24.00	Complies
140	5700 MHz	10.63	11.31	10.74	15.67	24.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	18.85	18.89	19.53	23.87	24.00	Complies
62	5310 MHz	12.78	12.86	13.55	17.85	24.00	Complies
102	5510 MHz	13.72	14.91	14.39	19.14	24.00	Complies
110	5550 MHz	18.41	19.78	19.13	23.91	24.00	Complies
134	5670 MHz	18.43	19.45	18.74	23.67	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.19	15.51	16.02	20.36	24.00	Complies
60	5300 MHz	15.25	15.60	15.97	20.39	24.00	Complies
64	5320 MHz	8.34	8.95	9.45	13.71	24.00	Complies
100	5500 MHz	8.07	9.36	8.88	13.57	24.00	Complies
116	5580 MHz	14.14	15.93	15.00	19.86	24.00	Complies
140	5700 MHz	8.52	9.11	8.94	13.63	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	17.59	18.16	18.47	22.86	24.00	Complies
62	5310 MHz	10.91	11.56	11.72	16.18	24.00	Complies
102	5510 MHz	9.36	11.09	10.22	15.05	24.00	Complies
110	5550 MHz	17.09	18.81	17.82	22.74	24.00	Complies
134	5670 MHz	17.66	19.03	17.94	23.02	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.47	3.79	4.09	8.56	24.00	Complies
106	5530 MHz	1.95	3.31	2.42	7.37	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.04	18.31	18.66	23.12	24.00	Complies
60	5300 MHz	17.01	17.27	16.86	21.82	24.00	Complies
64	5320 MHz	10.69	11.12	10.49	15.55	24.00	Complies
100	5500 MHz	11.01	11.74	10.51	15.89	24.00	Complies
116	5580 MHz	17.17	18.77	17.48	22.63	24.00	Complies
140	5700 MHz	9.46	9.86	8.81	14.17	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	18.81	18.77	19.29	23.73	24.00	Complies
62	5310 MHz	11.81	12.24	12.44	16.94	24.00	Complies
102	5510 MHz	12.98	14.22	13.37	18.33	24.00	Complies
110	5550 MHz	18.31	19.62	18.61	23.65	24.00	Complies
134	5670 MHz	18.76	19.90	18.77	23.95	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	6.11	6.32	6.59	11.12	24.00	Complies
106	5530 MHz	5.82	7.26	6.23	11.25	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	18.59	18.74	19.17	23.61	24.00	Complies
60	5300 MHz	16.92	17.32	17.49	22.02	24.00	Complies
64	5320 MHz	11.65	11.94	12.26	16.73	24.00	Complies
100	5500 MHz	11.69	12.86	12.11	17.02	24.00	Complies
116	5580 MHz	18.07	20.01	18.45	23.70	24.00	Complies
140	5700 MHz	10.75	11.31	10.42	15.61	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	19.02	19.06	19.52	23.98	24.00	Complies
62	5310 MHz	13.14	13.56	13.75	18.26	24.00	Complies
102	5510 MHz	13.71	15.01	14.17	19.10	24.00	Complies
110	5550 MHz	18.48	19.91	18.89	23.91	24.00	Complies
134	5670 MHz	18.47	19.55	18.52	23.65	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	10.54	10.77	11.03	15.56	24.00	Complies
106	5530 MHz	7.24	8.65	7.68	12.67	24.00	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Serway Li	Configurations	IEEE 802.11a
Test Date	Jul. 07, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	22.38	24.00	Complies
60	5300 MHz	22.18	24.00	Complies
64	5320 MHz	18.58	24.00	Complies
100	5500 MHz	19.04	24.00	Complies
116	5580 MHz	23.02	24.00	Complies
140	5700 MHz	19.53	24.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.46	18.37	21.43	24.00	Complies
60	5300 MHz	18.34	18.59	21.48	24.00	Complies
64	5320 MHz	13.24	13.11	16.19	24.00	Complies
100	5500 MHz	10.92	11.71	14.34	24.00	Complies
116	5580 MHz	17.47	19.09	21.37	24.00	Complies
140	5700 MHz	12.09	13.04	15.60	24.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.26	15.28	15.94	20.28	24.00	Complies
60	5300 MHz	15.38	15.56	15.98	20.42	24.00	Complies
64	5320 MHz	8.82	8.71	9.43	13.77	24.00	Complies
100	5500 MHz	8.19	9.39	8.85	13.61	24.00	Complies
116	5580 MHz	14.17	15.85	14.96	19.82	24.00	Complies
140	5700 MHz	8.47	9.19	8.98	13.66	24.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11n/ac
Test Date	Sep. 28, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

For non-TPC function

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.73	22.00	Complies
56	5280 MHz	18.61	22.00	Complies
60	5300 MHz	18.74	22.00	Complies
64	5320 MHz	18.12	22.00	Complies
100	5500 MHz	18.69	22.00	Complies
116	5580 MHz	18.60	22.00	Complies
140	5700 MHz	14.60	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	18.53	22.00	Complies
62	5310 MHz	15.80	22.00	Complies
102	5510 MHz	18.10	22.00	Complies
110	5550 MHz	18.55	22.00	Complies
134	5670 MHz	18.66	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.70	22.00	Complies
56	5280 MHz	18.62	22.00	Complies
60	5300 MHz	18.68	22.00	Complies
64	5320 MHz	18.31	22.00	Complies
100	5500 MHz	18.74	22.00	Complies
116	5580 MHz	18.60	22.00	Complies
140	5700 MHz	14.38	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	18.56	22.00	Complies
62	5310 MHz	15.58	22.00	Complies
102	5510 MHz	18.42	22.00	Complies
110	5550 MHz	18.46	22.00	Complies
134	5670 MHz	18.67	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	12.22	22.00	Complies
106	5530 MHz	9.09	22.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.89	15.79	18.85	22.00	Complies
56	5280 MHz	16.12	15.44	18.80	22.00	Complies
60	5300 MHz	15.84	15.75	18.81	22.00	Complies
64	5320 MHz	16.09	15.82	18.97	22.00	Complies
100	5500 MHz	15.01	13.57	17.36	22.00	Complies
116	5580 MHz	16.75	14.95	18.95	22.00	Complies
140	5700 MHz	11.39	10.74	14.09	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	15.86	15.99	18.94	22.00	Complies
62	5310 MHz	13.94	13.78	16.87	22.00	Complies
102	5510 MHz	15.05	13.64	17.41	22.00	Complies
110	5550 MHz	16.74	15.02	18.97	22.00	Complies
134	5670 MHz	16.41	14.96	18.76	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.77	15.92	18.86	22.00	Complies
56	5280 MHz	16.02	15.32	18.69	22.00	Complies
60	5300 MHz	15.86	16.01	18.95	22.00	Complies
64	5320 MHz	15.75	15.95	18.86	22.00	Complies
100	5500 MHz	15.12	16.54	18.90	22.00	Complies
116	5580 MHz	14.93	16.74	18.94	22.00	Complies
140	5700 MHz	10.97	11.72	14.37	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	15.81	15.91	18.87	22.00	Complies
62	5310 MHz	14.83	15.23	18.04	22.00	Complies
102	5510 MHz	14.55	16.14	18.43	22.00	Complies
110	5550 MHz	14.88	16.55	18.81	22.00	Complies
134	5670 MHz	15.33	16.44	18.93	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.79	15.76	18.79	22.00	Complies
56	5280 MHz	16.01	15.34	18.70	22.00	Complies
60	5300 MHz	15.95	15.77	18.87	22.00	Complies
64	5320 MHz	16.06	15.61	18.85	22.00	Complies
100	5500 MHz	15.06	13.55	17.38	22.00	Complies
116	5580 MHz	16.66	14.83	18.85	22.00	Complies
140	5700 MHz	11.29	10.59	13.96	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	16.10	15.41	18.78	22.00	Complies
62	5310 MHz	13.86	13.64	16.76	22.00	Complies
102	5510 MHz	15.23	13.73	17.55	22.00	Complies
110	5550 MHz	16.54	15.12	18.90	22.00	Complies
134	5670 MHz	16.42	15.08	18.81	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	10.46	10.38	13.43	22.00	Complies
106	5530 MHz	8.24	6.66	10.53	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.77	15.94	18.87	22.00	Complies
56	5280 MHz	16.03	15.37	18.72	22.00	Complies
60	5300 MHz	15.94	15.99	18.98	22.00	Complies
64	5320 MHz	15.86	16.02	18.95	22.00	Complies
100	5500 MHz	15.01	16.58	18.88	22.00	Complies
116	5580 MHz	14.87	16.82	18.96	22.00	Complies
140	5700 MHz	10.98	11.76	14.40	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	15.84	15.62	18.74	22.00	Complies
62	5310 MHz	14.81	15.22	18.03	22.00	Complies
102	5510 MHz	14.53	16.11	18.40	22.00	Complies
110	5550 MHz	15.02	16.67	18.93	22.00	Complies
134	5670 MHz	15.21	16.52	18.92	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	10.65	10.86	13.77	22.00	Complies
106	5530 MHz	9.03	10.60	12.90	22.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.38	12.39	12.96	17.36	22.00	Complies
56	5280 MHz	11.61	11.37	11.89	16.40	22.00	Complies
60	5300 MHz	12.31	12.58	13.15	17.47	22.00	Complies
64	5320 MHz	12.21	12.38	13.03	17.33	22.00	Complies
100	5500 MHz	12.06	13.56	12.61	17.56	22.00	Complies
116	5580 MHz	11.93	13.68	12.27	17.47	22.00	Complies
140	5700 MHz	7.22	8.32	7.35	12.43	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.14	13.51	14.32	18.77	22.00	Complies
62	5310 MHz	13.36	13.71	14.28	18.57	22.00	Complies
102	5510 MHz	13.56	14.34	13.93	18.73	22.00	Complies
110	5550 MHz	13.81	14.59	14.15	18.97	22.00	Complies
134	5670 MHz	14.09	14.51	13.93	18.95	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.01	13.61	14.42	18.80	22.00	Complies
56	5280 MHz	13.98	13.51	14.49	18.78	22.00	Complies
60	5300 MHz	14.05	13.46	14.38	18.75	22.00	Complies
64	5320 MHz	13.07	13.32	13.96	18.24	22.00	Complies
100	5500 MHz	13.23	14.58	13.69	18.64	22.00	Complies
116	5580 MHz	13.71	14.56	13.95	18.86	22.00	Complies
140	5700 MHz	8.68	9.28	8.53	13.61	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	13.71	13.89	14.31	18.75	22.00	Complies
62	5310 MHz	13.80	14.12	14.63	18.97	22.00	Complies
102	5510 MHz	13.78	14.13	13.91	18.71	22.00	Complies
110	5550 MHz	13.61	14.06	13.82	18.61	22.00	Complies
134	5670 MHz	14.16	13.88	13.81	18.72	22.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.29	13.22	14.39	18.77	22.00	Complies
56	5280 MHz	14.21	13.14	14.33	18.70	22.00	Complies
60	5300 MHz	14.33	13.09	14.29	18.71	22.00	Complies
64	5320 MHz	13.03	13.38	14.02	18.27	22.00	Complies
100	5500 MHz	13.45	14.48	13.61	18.64	22.00	Complies
116	5580 MHz	13.98	14.27	13.97	18.85	22.00	Complies
140	5700 MHz	7.96	8.59	8.19	13.03	22.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.37	13.45	14.42	18.87	22.00	Complies
62	5310 MHz	13.00	13.19	13.76	18.10	22.00	Complies
102	5510 MHz	13.47	14.99	13.94	18.95	22.00	Complies
110	5550 MHz	14.01	14.48	14.14	18.99	22.00	Complies
134	5670 MHz	14.52	14.11	13.93	18.96	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.26	12.34	12.97	17.31	22.00	Complies
56	5280 MHz	11.76	11.26	11.92	16.43	22.00	Complies
60	5300 MHz	12.41	12.45	13.08	17.43	22.00	Complies
64	5320 MHz	12.13	12.17	12.77	17.14	22.00	Complies
100	5500 MHz	12.00	13.51	12.45	17.47	22.00	Complies
116	5580 MHz	11.80	13.55	12.10	17.32	22.00	Complies
140	5700 MHz	6.92	8.10	7.14	12.19	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.00	13.61	14.58	18.85	22.00	Complies
62	5310 MHz	13.36	13.70	14.22	18.55	22.00	Complies
102	5510 MHz	13.67	14.79	14.01	18.95	22.00	Complies
110	5550 MHz	13.27	14.42	13.98	18.69	22.00	Complies
134	5670 MHz	14.02	14.35	13.97	18.89	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	4.37	4.55	5.07	9.44	22.00	Complies
106	5530 MHz	7.62	9.26	8.14	13.17	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.18	13.32	14.36	18.75	22.00	Complies
56	5280 MHz	14.16	13.31	14.48	18.78	22.00	Complies
60	5300 MHz	14.21	13.39	14.29	18.75	22.00	Complies
64	5320 MHz	12.93	13.12	13.71	18.04	22.00	Complies
100	5500 MHz	13.37	14.86	13.81	18.83	22.00	Complies
116	5580 MHz	13.82	14.57	13.98	18.91	22.00	Complies
140	5700 MHz	10.72	11.76	10.90	15.92	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.21	13.56	14.45	18.86	22.00	Complies
62	5310 MHz	13.65	13.98	14.52	18.84	22.00	Complies
102	5510 MHz	13.59	14.37	14.01	18.77	22.00	Complies
110	5550 MHz	13.82	14.62	14.19	18.99	22.00	Complies
134	5670 MHz	13.96	14.35	13.82	18.82	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	9.77	9.95	10.39	14.82	22.00	Complies
106	5530 MHz	8.45	10.10	9.01	14.01	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.16	13.41	14.34	18.76	22.00	Complies
56	5280 MHz	14.03	13.23	14.29	18.64	22.00	Complies
60	5300 MHz	14.17	13.11	14.33	18.67	22.00	Complies
64	5320 MHz	13.83	14.06	14.69	18.98	22.00	Complies
100	5500 MHz	13.37	14.79	13.76	18.79	22.00	Complies
116	5580 MHz	13.82	14.63	13.99	18.93	22.00	Complies
140	5700 MHz	8.46	9.04	8.55	13.46	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.14	13.45	14.33	18.76	22.00	Complies
62	5310 MHz	12.88	13.11	13.61	17.98	22.00	Complies
102	5510 MHz	13.38	14.95	13.85	18.88	22.00	Complies
110	5550 MHz	13.84	14.59	14.18	18.99	22.00	Complies
134	5670 MHz	14.19	14.51	13.93	18.99	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	9.16	9.34	9.81	14.22	22.00	Complies
106	5530 MHz	5.91	7.55	6.42	11.45	22.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11a
Test Date	Sep. 28, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.80	22.00	Complies
56	5280 MHz	18.77	22.00	Complies
60	5300 MHz	18.78	22.00	Complies
64	5320 MHz	18.44	22.00	Complies
100	5500 MHz	18.81	22.00	Complies
116	5580 MHz	18.74	22.00	Complies
140	5700 MHz	14.43	22.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.90	15.93	18.93	22.00	Complies
56	5280 MHz	16.03	15.58	18.82	22.00	Complies
60	5300 MHz	15.84	15.52	18.69	22.00	Complies
64	5320 MHz	16.01	15.48	18.76	22.00	Complies
100	5500 MHz	15.15	13.74	17.51	22.00	Complies
116	5580 MHz	16.59	14.68	18.75	22.00	Complies
140	5700 MHz	11.65	10.28	14.03	22.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.63	12.55	13.04	17.52	22.00	Complies
56	5280 MHz	11.95	11.51	12.04	16.61	22.00	Complies
60	5300 MHz	12.69	12.70	13.26	17.66	22.00	Complies
64	5320 MHz	12.21	12.44	13.10	17.37	22.00	Complies
100	5500 MHz	12.15	13.66	12.61	17.62	22.00	Complies
116	5580 MHz	12.04	13.83	12.38	17.59	22.00	Complies
140	5700 MHz	6.84	7.87	7.05	12.05	22.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11n/ac
Test Date	Sep. 28, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	14.41	17.50	Complies
56	5280 MHz	10.90	17.50	Complies
60	5300 MHz	14.29	17.50	Complies
64	5320 MHz	8.93	17.50	Complies
100	5500 MHz	10.81	17.50	Complies
116	5580 MHz	14.40	17.50	Complies
140	5700 MHz	7.38	17.50	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	14.31	17.50	Complies
62	5310 MHz	9.81	17.50	Complies
102	5510 MHz	10.32	17.50	Complies
110	5550 MHz	14.31	17.50	Complies
134	5670 MHz	14.49	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	14.38	17.50	Complies
56	5280 MHz	10.78	17.50	Complies
60	5300 MHz	13.87	17.50	Complies
64	5320 MHz	9.05	17.50	Complies
100	5500 MHz	10.52	17.50	Complies
116	5580 MHz	14.13	17.50	Complies
140	5700 MHz	7.01	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	14.48	17.50	Complies
62	5310 MHz	9.33	17.50	Complies
102	5510 MHz	11.04	17.50	Complies
110	5550 MHz	14.19	17.50	Complies
134	5670 MHz	14.28	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	2.78	17.50	Complies
106	5530 MHz	3.41	17.50	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.32	11.34	14.34	17.50	Complies
56	5280 MHz	5.34	5.35	8.36	17.50	Complies
60	5300 MHz	11.35	11.45	14.41	17.50	Complies
64	5320 MHz	5.93	6.08	9.02	17.50	Complies
100	5500 MHz	5.00	6.45	8.80	17.50	Complies
116	5580 MHz	10.61	12.01	14.38	17.50	Complies
140	5700 MHz	0.99	1.48	4.25	17.50	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	11.52	10.88	14.22	17.50	Complies
62	5310 MHz	7.09	7.05	10.08	17.50	Complies
102	5510 MHz	7.00	8.42	10.78	17.50	Complies
110	5550 MHz	11.12	11.81	14.49	17.50	Complies
134	5670 MHz	11.15	11.21	14.19	17.50	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.51	11.16	14.35	17.50	Complies
56	5280 MHz	5.61	5.65	8.64	17.50	Complies
60	5300 MHz	11.31	10.98	14.16	17.50	Complies
64	5320 MHz	6.78	6.98	9.89	17.50	Complies
100	5500 MHz	5.98	7.43	9.78	17.50	Complies
116	5580 MHz	11.12	11.75	14.46	17.50	Complies
140	5700 MHz	2.88	3.42	6.17	17.50	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	11.56	10.72	14.17	17.50	Complies
62	5310 MHz	6.81	6.77	9.80	17.50	Complies
102	5510 MHz	7.31	8.77	11.11	17.50	Complies
110	5550 MHz	11.14	11.71	14.44	17.50	Complies
134	5670 MHz	11.13	11.23	14.19	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.35	11.27	14.32	17.50	Complies
56	5280 MHz	5.85	5.83	8.85	17.50	Complies
60	5300 MHz	11.40	11.36	14.39	17.50	Complies
64	5320 MHz	6.94	7.02	9.99	17.50	Complies
100	5500 MHz	6.01	7.44	9.79	17.50	Complies
116	5580 MHz	10.54	11.96	14.32	17.50	Complies
140	5700 MHz	2.99	3.51	6.27	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	11.67	10.79	14.26	17.50	Complies
62	5310 MHz	7.34	7.48	10.42	17.50	Complies
102	5510 MHz	7.41	8.79	11.16	17.50	Complies
110	5550 MHz	10.98	11.48	14.25	17.50	Complies
134	5670 MHz	11.38	11.47	14.44	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	1.22	1.35	4.30	17.50	Complies
106	5530 MHz	0.17	1.74	4.04	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.81	11.07	14.47	17.50	Complies
56	5280 MHz	5.70	5.80	8.76	17.50	Complies
60	5300 MHz	11.42	11.51	14.48	17.50	Complies
64	5320 MHz	6.86	7.01	9.95	17.50	Complies
100	5500 MHz	6.06	7.43	9.81	17.50	Complies
116	5580 MHz	11.28	11.62	14.46	17.50	Complies
140	5700 MHz	2.98	3.46	6.24	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	11.57	10.72	14.18	17.50	Complies
62	5310 MHz	7.43	7.51	10.48	17.50	Complies
102	5510 MHz	7.38	8.74	11.12	17.50	Complies
110	5550 MHz	11.18	11.74	14.48	17.50	Complies
134	5670 MHz	11.45	11.49	14.48	17.50	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	1.26	1.35	4.32	17.50	Complies
106	5530 MHz	0.16	1.81	4.07	17.50	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11a
Test Date	Sep. 28, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	14.12	17.50	Complies
56	5280 MHz	11.01	17.50	Complies
60	5300 MHz	14.02	17.50	Complies
64	5320 MHz	9.35	17.50	Complies
100	5500 MHz	11.06	17.50	Complies
116	5580 MHz	14.24	17.50	Complies
140	5700 MHz	7.51	17.50	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	11.47	11.41	14.45	17.50	Complies
56	5280 MHz	5.40	5.39	8.41	17.50	Complies
60	5300 MHz	10.98	11.02	14.01	17.50	Complies
64	5320 MHz	5.47	5.63	8.56	17.50	Complies
100	5500 MHz	5.72	7.10	9.47	17.50	Complies
116	5580 MHz	10.39	11.92	14.23	17.50	Complies
140	5700 MHz	2.18	2.59	5.40	17.50	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11n/ac
Test Date	Sep. 28, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.92	22.00	Complies
56	5280 MHz	13.85	22.00	Complies
60	5300 MHz	18.82	22.00	Complies
64	5320 MHz	15.12	22.00	Complies
100	5500 MHz	18.01	22.00	Complies
116	5580 MHz	18.87	22.00	Complies
140	5700 MHz	14.60	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	18.88	22.00	Complies
62	5310 MHz	13.40	22.00	Complies
102	5510 MHz	18.85	22.00	Complies
110	5550 MHz	18.95	22.00	Complies
134	5670 MHz	18.73	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.84	22.00	Complies
56	5280 MHz	13.91	22.00	Complies
60	5300 MHz	18.81	22.00	Complies
64	5320 MHz	15.38	22.00	Complies
100	5500 MHz	18.18	22.00	Complies
116	5580 MHz	18.83	22.00	Complies
140	5700 MHz	14.91	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	18.81	22.00	Complies
62	5310 MHz	13.19	22.00	Complies
102	5510 MHz	18.83	22.00	Complies
110	5550 MHz	18.64	22.00	Complies
134	5670 MHz	18.75	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	7.68	22.00	Complies
106	5530 MHz	12.55	22.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.89	15.79	18.85	22.00	Complies
56	5280 MHz	11.91	11.87	14.90	22.00	Complies
60	5300 MHz	12.79	12.75	15.78	22.00	Complies
64	5320 MHz	10.77	10.65	13.72	22.00	Complies
100	5500 MHz	12.31	11.25	14.82	22.00	Complies
116	5580 MHz	15.38	15.95	18.68	22.00	Complies
140	5700 MHz	12.99	11.84	15.46	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	15.99	15.18	18.61	22.00	Complies
62	5310 MHz	10.08	10.01	13.06	22.00	Complies
102	5510 MHz	13.38	12.22	15.85	22.00	Complies
110	5550 MHz	15.56	16.29	18.95	22.00	Complies
134	5670 MHz	15.53	15.66	18.61	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.99	15.10	18.58	22.00	Complies
56	5280 MHz	11.35	11.38	14.38	22.00	Complies
60	5300 MHz	16.51	15.12	18.88	22.00	Complies
64	5320 MHz	10.95	11.13	14.05	22.00	Complies
100	5500 MHz	11.92	13.38	15.72	22.00	Complies
116	5580 MHz	15.22	15.83	18.55	22.00	Complies
140	5700 MHz	10.43	11.21	13.85	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	16.39	15.41	18.94	22.00	Complies
62	5310 MHz	10.57	10.77	13.68	22.00	Complies
102	5510 MHz	14.55	16.14	18.43	22.00	Complies
110	5550 MHz	15.46	16.31	18.92	22.00	Complies
134	5670 MHz	15.55	15.66	18.62	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.79	15.76	18.79	22.00	Complies
56	5280 MHz	11.89	11.71	14.81	22.00	Complies
60	5300 MHz	12.88	12.75	15.83	22.00	Complies
64	5320 MHz	11.21	11.07	14.15	22.00	Complies
100	5500 MHz	12.35	11.33	14.88	22.00	Complies
116	5580 MHz	16.66	14.83	18.85	22.00	Complies
140	5700 MHz	12.84	11.71	15.32	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	16.53	15.30	18.97	22.00	Complies
62	5310 MHz	10.36	10.16	13.27	22.00	Complies
102	5510 MHz	15.74	14.24	18.06	22.00	Complies
110	5550 MHz	15.55	16.24	18.92	22.00	Complies
134	5670 MHz	15.57	15.76	18.68	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	4.43	4.32	7.39	22.00	Complies
106	5530 MHz	5.67	4.06	7.95	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	16.34	15.47	18.94	22.00	Complies
56	5280 MHz	11.09	11.29	14.20	22.00	Complies
60	5300 MHz	16.34	15.12	18.78	22.00	Complies
64	5320 MHz	10.93	11.16	14.06	22.00	Complies
100	5500 MHz	12.44	13.95	16.27	22.00	Complies
116	5580 MHz	15.56	16.19	18.90	22.00	Complies
140	5700 MHz	10.54	11.31	13.95	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	16.35	15.51	18.96	22.00	Complies
62	5310 MHz	11.06	11.24	14.16	22.00	Complies
102	5510 MHz	14.53	16.11	18.40	22.00	Complies
110	5550 MHz	15.53	16.25	18.92	22.00	Complies
134	5670 MHz	15.59	15.70	18.66	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	4.51	4.74	7.64	22.00	Complies
106	5530 MHz	7.99	9.68	11.93	22.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.38	12.39	12.96	17.36	22.00	Complies
56	5280 MHz	11.14	11.43	12.01	16.31	22.00	Complies
60	5300 MHz	12.31	12.58	13.15	17.47	22.00	Complies
64	5320 MHz	7.89	8.12	8.70	13.02	22.00	Complies
100	5500 MHz	9.88	10.93	10.15	15.11	22.00	Complies
116	5580 MHz	11.93	13.68	12.27	17.47	22.00	Complies
140	5700 MHz	9.26	9.81	8.92	14.12	22.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.47	13.31	14.51	18.90	22.00	Complies
62	5310 MHz	9.00	9.38	9.77	14.17	22.00	Complies
102	5510 MHz	12.10	13.55	12.49	17.53	22.00	Complies
110	5550 MHz	13.78	13.85	13.73	18.56	22.00	Complies
134	5670 MHz	14.38	14.01	13.93	18.88	22.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.46	13.22	14.45	18.85	22.00	Complies
56	5280 MHz	11.13	11.21	11.86	16.18	22.00	Complies
60	5300 MHz	14.51	13.01	14.49	18.83	22.00	Complies
64	5320 MHz	9.31	9.59	10.14	14.47	22.00	Complies
100	5500 MHz	11.54	13.03	11.98	17.00	22.00	Complies
116	5580 MHz	14.13	14.25	14.11	18.93	22.00	Complies
140	5700 MHz	10.20	10.88	10.00	15.15	22.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.56	13.38	14.53	18.96	22.00	Complies
62	5310 MHz	8.93	9.21	9.73	14.07	22.00	Complies
102	5510 MHz	12.33	13.82	12.75	17.78	22.00	Complies
110	5550 MHz	13.80	13.91	13.79	18.60	22.00	Complies
134	5670 MHz	14.26	13.88	13.89	18.78	22.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.08	13.13	14.05	18.55	22.00	Complies
56	5280 MHz	10.61	10.71	11.31	15.66	22.00	Complies
60	5300 MHz	13.39	13.62	14.19	18.52	22.00	Complies
64	5320 MHz	7.83	8.13	8.66	12.99	22.00	Complies
100	5500 MHz	11.53	12.95	12.04	16.98	22.00	Complies
116	5580 MHz	13.85	14.11	13.71	18.66	22.00	Complies
140	5700 MHz	9.00	9.64	8.75	13.92	22.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.01	13.31	14.10	18.59	22.00	Complies
62	5310 MHz	9.13	9.33	9.81	14.20	22.00	Complies
102	5510 MHz	11.49	12.93	11.91	16.92	22.00	Complies
110	5550 MHz	13.72	14.16	13.77	18.66	22.00	Complies
134	5670 MHz	13.74	13.92	13.57	18.52	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.26	12.34	12.97	17.31	22.00	Complies
56	5280 MHz	11.17	11.42	11.91	16.28	22.00	Complies
60	5300 MHz	12.41	12.45	13.08	17.43	22.00	Complies
64	5320 MHz	7.51	7.88	8.40	12.72	22.00	Complies
100	5500 MHz	9.69	10.89	10.15	15.04	22.00	Complies
116	5580 MHz	11.80	13.55	12.10	17.32	22.00	Complies
140	5700 MHz	8.99	9.61	8.74	13.90	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.22	13.08	14.21	18.64	22.00	Complies
62	5310 MHz	9.13	9.32	9.74	14.18	22.00	Complies
102	5510 MHz	11.89	13.37	12.37	17.36	22.00	Complies
110	5550 MHz	13.78	13.87	13.87	18.61	22.00	Complies
134	5670 MHz	14.48	13.89	14.11	18.94	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	2.98	3.07	3.47	7.95	22.00	Complies
106	5530 MHz	2.61	4.23	3.08	8.13	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.18	13.18	14.44	18.74	22.00	Complies
56	5280 MHz	11.19	11.21	11.83	16.19	22.00	Complies
60	5300 MHz	14.59	12.99	14.42	18.83	22.00	Complies
64	5320 MHz	9.05	9.37	9.84	14.20	22.00	Complies
100	5500 MHz	11.36	12.73	11.67	16.73	22.00	Complies
116	5580 MHz	14.08	14.12	14.05	18.85	22.00	Complies
140	5700 MHz	10.15	10.73	9.83	15.02	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.56	13.35	14.55	18.96	22.00	Complies
62	5310 MHz	8.91	9.14	9.61	14.00	22.00	Complies
102	5510 MHz	12.27	13.82	12.82	17.79	22.00	Complies
110	5550 MHz	13.91	14.06	14.01	18.76	22.00	Complies
134	5670 MHz	14.50	14.01	13.91	18.92	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.21	3.53	3.97	8.35	22.00	Complies
106	5530 MHz	7.47	9.06	7.96	12.99	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	14.42	13.12	14.41	18.80	22.00	Complies
56	5280 MHz	10.54	10.65	11.31	15.62	22.00	Complies
60	5300 MHz	14.55	13.01	14.52	18.85	22.00	Complies
64	5320 MHz	7.99	8.20	8.00	12.84	22.00	Complies
100	5500 MHz	11.84	13.22	12.26	17.25	22.00	Complies
116	5580 MHz	14.22	14.23	14.03	18.93	22.00	Complies
140	5700 MHz	9.50	10.09	9.16	14.37	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	14.48	13.35	14.50	18.91	22.00	Complies
62	5310 MHz	10.02	10.19	10.69	15.08	22.00	Complies
102	5510 MHz	12.39	13.94	12.84	17.88	22.00	Complies
110	5550 MHz	13.80	13.93	13.93	18.66	22.00	Complies
134	5670 MHz	14.16	13.74	13.71	18.65	22.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.89	3.90	4.30	8.81	22.00	Complies
106	5530 MHz	6.90	8.46	7.38	12.40	22.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11a
Test Date	Sep. 28, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	18.70	22.00	Complies
56	5280 MHz	14.01	22.00	Complies
60	5300 MHz	18.84	22.00	Complies
64	5320 MHz	15.94	22.00	Complies
100	5500 MHz	18.54	22.00	Complies
116	5580 MHz	18.83	22.00	Complies
140	5700 MHz	14.43	22.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	15.58	15.62	18.61	22.00	Complies
56	5280 MHz	12.05	12.09	15.08	22.00	Complies
60	5300 MHz	12.95	12.94	15.96	22.00	Complies
64	5320 MHz	11.36	11.14	14.26	22.00	Complies
100	5500 MHz	12.43	11.39	14.95	22.00	Complies
116	5580 MHz	15.29	15.87	18.60	22.00	Complies
140	5700 MHz	13.05	11.89	15.52	22.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.63	12.55	13.04	17.52	22.00	Complies
56	5280 MHz	11.29	11.47	11.99	16.36	22.00	Complies
60	5300 MHz	12.69	12.70	13.26	17.66	22.00	Complies
64	5320 MHz	8.02	8.19	8.71	13.09	22.00	Complies
100	5500 MHz	10.10	11.13	10.41	15.34	22.00	Complies
116	5580 MHz	12.04	13.83	12.38	17.59	22.00	Complies
140	5700 MHz	9.38	9.82	9.07	14.21	22.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11n/ac
Test Date	Sep. 28, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.60	11.21	11.74	16.29	20.80	Complies
56	5280 MHz	11.65	11.14	11.77	16.30	20.80	Complies
60	5300 MHz	11.89	10.96	11.87	16.37	20.80	Complies
64	5320 MHz	9.55	8.47	9.75	14.06	20.80	Complies
100	5500 MHz	11.06	12.01	10.86	16.11	20.80	Complies
116	5580 MHz	11.70	12.47	11.28	16.62	20.80	Complies
140	5700 MHz	8.83	9.03	8.19	13.47	20.80	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.53	11.85	12.69	17.14	20.80	Complies
62	5310 MHz	11.84	10.91	11.94	16.36	20.80	Complies
102	5510 MHz	11.34	12.14	11.16	16.34	20.80	Complies
110	5550 MHz	12.26	12.91	12.47	17.33	20.80	Complies
134	5670 MHz	12.66	12.93	12.48	17.47	20.80	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.65	11.98	12.74	17.24	20.80	Complies
56	5280 MHz	12.58	11.81	12.72	17.16	20.80	Complies
60	5300 MHz	12.47	13.11	12.56	17.49	20.80	Complies
64	5320 MHz	9.98	8.87	10.21	14.50	20.80	Complies
100	5500 MHz	10.95	11.84	10.74	15.97	20.80	Complies
116	5580 MHz	12.37	13.19	12.53	17.48	20.80	Complies
140	5700 MHz	8.72	8.92	8.09	13.36	20.80	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.64	12.04	12.84	17.29	20.80	Complies
62	5310 MHz	11.92	11.33	12.10	16.57	20.80	Complies
102	5510 MHz	10.40	11.15	10.20	15.37	20.80	Complies
110	5550 MHz	12.26	13.01	12.51	17.38	20.80	Complies
134	5670 MHz	12.70	13.02	12.57	17.54	20.80	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.58	11.93	12.73	17.20	20.80	Complies
56	5280 MHz	12.59	11.86	12.67	17.16	20.80	Complies
60	5300 MHz	12.66	11.85	12.61	17.16	20.80	Complies
64	5320 MHz	8.35	7.24	8.58	12.87	20.80	Complies
100	5500 MHz	8.31	9.16	8.07	13.31	20.80	Complies
116	5580 MHz	12.38	13.19	12.50	17.48	20.80	Complies
140	5700 MHz	7.09	7.36	6.45	11.75	20.80	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.66	11.99	12.78	17.26	20.80	Complies
62	5310 MHz	11.64	10.68	11.74	16.15	20.80	Complies
102	5510 MHz	11.11	11.91	10.93	16.11	20.80	Complies
110	5550 MHz	12.22	12.92	12.42	17.30	20.80	Complies
134	5670 MHz	12.71	12.90	12.49	17.47	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.83	11.21	11.78	16.39	20.80	Complies
56	5280 MHz	11.85	11.12	11.71	16.34	20.80	Complies
60	5300 MHz	12.00	11.08	11.89	16.45	20.80	Complies
64	5320 MHz	9.65	8.50	9.85	14.14	20.80	Complies
100	5500 MHz	11.16	12.08	10.92	16.19	20.80	Complies
116	5580 MHz	11.73	12.59	11.41	16.71	20.80	Complies
140	5700 MHz	8.91	9.07	8.26	13.53	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.80	12.16	12.92	17.41	20.80	Complies
62	5310 MHz	11.74	10.78	11.88	16.26	20.80	Complies
102	5510 MHz	11.77	12.58	11.63	16.79	20.80	Complies
110	5550 MHz	12.38	13.09	12.58	17.46	20.80	Complies
134	5670 MHz	12.92	13.06	12.59	17.63	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	5.21	4.30	5.11	9.66	20.80	Complies
106	5530 MHz	2.73	3.51	2.65	7.75	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.57	12.00	12.71	17.21	20.80	Complies
56	5280 MHz	12.60	11.95	12.69	17.20	20.80	Complies
60	5300 MHz	12.73	11.75	12.65	17.17	20.80	Complies
64	5320 MHz	9.85	8.84	10.21	14.44	20.80	Complies
100	5500 MHz	10.95	11.76	10.74	15.94	20.80	Complies
116	5580 MHz	12.10	12.81	12.08	17.11	20.80	Complies
140	5700 MHz	8.58	8.78	7.94	13.22	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.61	12.02	12.84	17.27	20.80	Complies
62	5310 MHz	12.33	11.40	12.47	16.86	20.80	Complies
102	5510 MHz	10.31	11.13	10.19	15.34	20.80	Complies
110	5550 MHz	12.35	13.00	12.46	17.38	20.80	Complies
134	5670 MHz	12.68	13.01	12.44	17.49	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	8.91	8.15	9.01	13.48	20.80	Complies
106	5530 MHz	3.65	4.82	3.67	8.85	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	12.57	11.92	12.66	17.17	20.80	Complies
56	5280 MHz	12.60	11.81	12.66	17.14	20.80	Complies
60	5300 MHz	12.65	11.66	12.67	17.12	20.80	Complies
64	5320 MHz	8.28	7.18	8.55	12.81	20.80	Complies
100	5500 MHz	8.28	9.04	8.02	13.24	20.80	Complies
116	5580 MHz	12.47	13.05	12.50	17.45	20.80	Complies
140	5700 MHz	7.33	7.56	6.62	11.96	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	12.67	11.99	12.83	17.28	20.80	Complies
62	5310 MHz	11.65	10.70	11.69	16.14	20.80	Complies
102	5510 MHz	11.08	11.90	10.90	16.09	20.80	Complies
110	5550 MHz	12.25	12.95	12.43	17.32	20.80	Complies
134	5670 MHz	12.63	12.93	12.41	17.43	20.80	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	5.93	5.02	5.86	10.39	20.80	Complies
106	5530 MHz	3.09	4.25	3.35	8.36	20.80	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11a
Test Date	Sep. 28, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	11.78	11.26	11.89	16.42	20.80	Complies
56	5280 MHz	11.76	11.23	12.05	16.46	20.80	Complies
60	5300 MHz	11.89	11.12	12.01	16.46	20.80	Complies
64	5320 MHz	9.61	8.53	9.87	14.15	20.80	Complies
100	5500 MHz	11.22	12.14	11.01	16.26	20.80	Complies
116	5580 MHz	11.68	12.45	11.46	16.66	20.80	Complies
140	5700 MHz	8.96	9.21	8.26	13.60	20.80	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11n/ac
Test Date	Sep. 28, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.30	24.00	Complies
60	5300 MHz	21.31	24.00	Complies
64	5320 MHz	17.97	24.00	Complies
100	5500 MHz	18.52	24.00	Complies
116	5580 MHz	21.24	24.00	Complies
140	5700 MHz	19.46	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.27	24.00	Complies
62	5310 MHz	15.24	24.00	Complies
102	5510 MHz	17.45	24.00	Complies
110	5550 MHz	21.43	24.00	Complies
134	5670 MHz	20.66	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.37	24.00	Complies
60	5300 MHz	21.34	24.00	Complies
64	5320 MHz	18.48	24.00	Complies
100	5500 MHz	18.97	24.00	Complies
116	5580 MHz	21.24	24.00	Complies
140	5700 MHz	19.41	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
54	5270 MHz	21.50	24.00	Complies
62	5310 MHz	15.32	24.00	Complies
102	5510 MHz	18.13	24.00	Complies
110	5550 MHz	21.49	24.00	Complies
134	5670 MHz	21.20	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
58	5290 MHz	10.46	24.00	Complies
106	5530 MHz	11.86	24.00	Complies

2TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.48	17.95	21.23	24.00	Complies
60	5300 MHz	18.12	18.35	21.25	24.00	Complies
64	5320 MHz	13.15	13.11	16.14	24.00	Complies
100	5500 MHz	11.01	11.89	14.48	24.00	Complies
116	5580 MHz	17.33	18.91	21.20	24.00	Complies
140	5700 MHz	11.89	12.93	15.45	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.88	17.90	21.43	24.00	Complies
62	5310 MHz	12.78	12.71	15.76	24.00	Complies
102	5510 MHz	12.29	13.38	12.29	24.00	Complies
110	5550 MHz	17.91	18.64	17.91	24.00	Complies
134	5670 MHz	18.28	18.35	18.28	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.78	17.83	21.34	24.00	Complies
60	5300 MHz	18.41	17.91	21.18	24.00	Complies
64	5320 MHz	12.98	13.11	16.06	24.00	Complies
100	5500 MHz	11.87	12.95	15.45	24.00	Complies
116	5580 MHz	17.91	18.61	21.28	24.00	Complies
140	5700 MHz	11.78	12.53	15.18	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.51	17.74	21.15	24.00	Complies
62	5310 MHz	12.74	12.87	15.82	24.00	Complies
102	5510 MHz	13.01	14.21	16.66	24.00	Complies
110	5550 MHz	18.12	18.68	21.42	24.00	Complies
134	5670 MHz	18.14	18.45	21.31	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.44	18.03	21.25	24.00	Complies
60	5300 MHz	18.36	18.64	21.51	24.00	Complies
64	5320 MHz	13.15	13.18	16.18	24.00	Complies
100	5500 MHz	10.94	11.85	14.43	24.00	Complies
116	5580 MHz	17.56	19.21	21.47	24.00	Complies
140	5700 MHz	12.01	13.11	15.61	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.64	18.05	21.37	24.00	Complies
62	5310 MHz	12.93	13.02	15.99	24.00	Complies
102	5510 MHz	12.53	13.87	16.26	24.00	Complies
110	5550 MHz	17.81	18.52	21.19	24.00	Complies
134	5670 MHz	18.24	18.72	21.50	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	7.42	7.45	10.45	24.00	Complies
106	5530 MHz	3.09	4.16	6.67	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.65	17.93	21.32	24.00	Complies
60	5300 MHz	18.85	17.96	21.44	24.00	Complies
64	5320 MHz	13.02	13.21	16.13	24.00	Complies
100	5500 MHz	11.75	12.93	15.39	24.00	Complies
116	5580 MHz	17.82	18.56	21.22	24.00	Complies
140	5700 MHz	11.95	13.04	15.54	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
54	5270 MHz	18.51	17.80	21.18	24.00	Complies
62	5310 MHz	12.82	12.98	15.91	24.00	Complies
102	5510 MHz	12.91	14.34	16.69	24.00	Complies
110	5550 MHz	18.10	18.75	21.45	24.00	Complies
134	5670 MHz	18.21	18.45	21.34	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
58	5290 MHz	8.88	8.76	11.83	24.00	Complies
106	5530 MHz	6.62	8.02	10.39	24.00	Complies

3TX

Configuration IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.12	15.18	15.71	20.12	24.00	Complies
60	5300 MHz	15.07	15.31	15.82	20.18	24.00	Complies
64	5320 MHz	8.65	8.64	9.23	13.62	24.00	Complies
100	5500 MHz	7.95	9.18	8.75	13.43	24.00	Complies
116	5580 MHz	14.25	15.68	14.73	19.70	24.00	Complies
140	5700 MHz	8.46	9.11	8.87	13.59	24.00	Complies

Configuration IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.82	16.03	16.74	21.32	24.00	Complies
62	5310 MHz	10.68	10.89	11.54	15.82	24.00	Complies
102	5510 MHz	9.67	10.82	10.31	15.06	24.00	Complies
110	5550 MHz	16.38	16.74	16.42	21.29	24.00	Complies
134	5670 MHz	16.41	16.45	15.99	21.06	24.00	Complies

Configuration IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.81	16.01	16.75	21.31	24.00	Complies
60	5300 MHz	16.02	16.33	16.88	21.20	24.00	Complies
64	5320 MHz	10.03	10.05	10.77	15.07	24.00	Complies
100	5500 MHz	10.47	11.28	11.03	15.71	24.00	Complies
116	5580 MHz	16.52	16.65	16.54	21.34	24.00	Complies
140	5700 MHz	8.84	9.47	9.12	13.92	24.00	Complies

Configuration IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.59	15.88	16.51	21.11	24.00	Complies
62	5310 MHz	12.01	12.09	12.53	16.99	24.00	Complies
102	5510 MHz	12.84	14.08	13.47	18.26	24.00	Complies
110	5550 MHz	16.43	16.77	16.45	21.32	24.00	Complies
134	5670 MHz	16.34	16.52	16.12	21.10	24.00	Complies

Configuration IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.84	15.99	16.70	21.30	24.00	Complies
60	5300 MHz	16.90	15.77	16.86	21.31	24.00	Complies
64	5320 MHz	11.74	11.64	12.53	16.76	24.00	Complies
100	5500 MHz	11.62	12.87	12.32	17.07	24.00	Complies
116	5580 MHz	16.43	16.79	16.39	21.31	24.00	Complies
140	5700 MHz	10.63	11.31	10.74	15.67	24.00	Complies

Configuration IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.81	16.03	16.66	21.28	24.00	Complies
62	5310 MHz	12.78	12.86	13.55	17.85	24.00	Complies
102	5510 MHz	13.72	14.91	14.39	19.14	24.00	Complies
110	5550 MHz	16.34	16.72	16.41	21.26	24.00	Complies
134	5670 MHz	16.46	16.74	16.38	21.30	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.19	15.51	16.02	20.36	24.00	Complies
60	5300 MHz	15.25	15.60	15.97	20.39	24.00	Complies
64	5320 MHz	8.34	8.95	9.45	13.71	24.00	Complies
100	5500 MHz	8.07	9.36	8.88	13.57	24.00	Complies
116	5580 MHz	14.14	15.93	15.00	19.86	24.00	Complies
140	5700 MHz	8.52	9.11	8.94	13.63	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.44	16.54	17.10	21.47	24.00	Complies
62	5310 MHz	10.91	11.56	11.72	16.18	24.00	Complies
102	5510 MHz	9.36	11.09	10.22	15.05	24.00	Complies
110	5550 MHz	16.51	16.93	16.55	21.44	24.00	Complies
134	5670 MHz	16.54	16.96	16.48	21.44	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	3.47	3.79	4.09	8.56	24.00	Complies
106	5530 MHz	1.95	3.31	2.42	7.37	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.80	16.20	16.88	21.41	24.00	Complies
60	5300 MHz	16.77	16.74	16.14	21.33	24.00	Complies
64	5320 MHz	10.69	11.12	10.49	15.55	24.00	Complies
100	5500 MHz	11.01	11.74	10.51	15.89	24.00	Complies
116	5580 MHz	16.52	17.01	16.41	21.43	24.00	Complies
140	5700 MHz	9.46	9.86	8.81	14.17	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.85	16.11	16.81	21.37	24.00	Complies
62	5310 MHz	11.81	12.24	12.44	16.94	24.00	Complies
102	5510 MHz	12.98	14.22	13.37	18.33	24.00	Complies
110	5550 MHz	16.35	16.86	16.48	21.34	24.00	Complies
134	5670 MHz	16.71	16.95	16.38	21.46	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	6.11	6.32	6.59	11.12	24.00	Complies
106	5530 MHz	5.82	7.26	6.23	11.25	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	16.79	16.00	16.75	21.30	24.00	Complies
60	5300 MHz	16.52	15.95	16.74	21.19	24.00	Complies
64	5320 MHz	11.65	11.94	12.26	16.73	24.00	Complies
100	5500 MHz	11.69	12.86	12.11	17.02	24.00	Complies
116	5580 MHz	16.37	16.95	16.35	21.34	24.00	Complies
140	5700 MHz	10.75	11.31	10.42	15.61	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
54	5270 MHz	16.81	15.99	16.73	21.30	24.00	Complies
62	5310 MHz	13.14	13.56	13.75	18.26	24.00	Complies
102	5510 MHz	13.71	15.01	14.17	19.10	24.00	Complies
110	5550 MHz	16.36	16.80	16.35	21.28	24.00	Complies
134	5670 MHz	16.67	16.77	16.32	21.36	24.00	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
58	5290 MHz	10.54	10.77	11.03	15.56	24.00	Complies
106	5530 MHz	7.24	8.65	7.68	12.67	24.00	Complies

Temperature	23°C	Humidity	63%
Test Engineer	Magic Lai	Configurations	IEEE 802.11a
Test Date	Sep. 28, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Configuration IEEE 802.11a / Chain 1

Channel	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
52	5260 MHz	21.48	24.00	Complies
60	5300 MHz	21.49	24.00	Complies
64	5320 MHz	18.58	24.00	Complies
100	5500 MHz	19.04	24.00	Complies
116	5580 MHz	21.47	24.00	Complies
140	5700 MHz	19.53	24.00	Complies

2TX

Configuration IEEE 802.11a / Chain 1 + Chain 2

Channel	Frequency	Conducted Power (dBm)		Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2			
52	5260 MHz	18.46	18.37	21.43	24.00	Complies
60	5300 MHz	18.34	18.59	21.48	24.00	Complies
64	5320 MHz	13.24	13.11	16.19	24.00	Complies
100	5500 MHz	10.92	11.71	14.34	24.00	Complies
116	5580 MHz	17.47	19.09	21.37	24.00	Complies
140	5700 MHz	12.09	13.04	15.60	24.00	Complies

3TX

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Conducted Power (dBm)			Total Conducted Output Power (dBm)	Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3			
52	5260 MHz	15.26	15.28	15.94	20.28	24.00	Complies
60	5300 MHz	15.38	15.56	15.98	20.42	24.00	Complies
64	5320 MHz	8.82	8.71	9.43	13.77	24.00	Complies
100	5500 MHz	8.19	9.39	8.85	13.61	24.00	Complies
116	5580 MHz	14.17	15.85	14.96	19.82	24.00	Complies
140	5700 MHz	8.47	9.19	8.98	13.66	24.00	Complies

4.4. Power Spectral Density Measurement

4.4.1. Limit

The power spectral density is defined as the highest level of power in dBm per MHz generated by the transmitter within the power envelope. The following table is power spectral density limits and decrease power density limit rule refer to section 4.3.1.

Frequency Range	Power Spectral Density limit (dBm/MHz)
5.25-5.35 GHz	11
5.470-5.725 GHz	11

4.4.2. Measuring Instruments and Setting

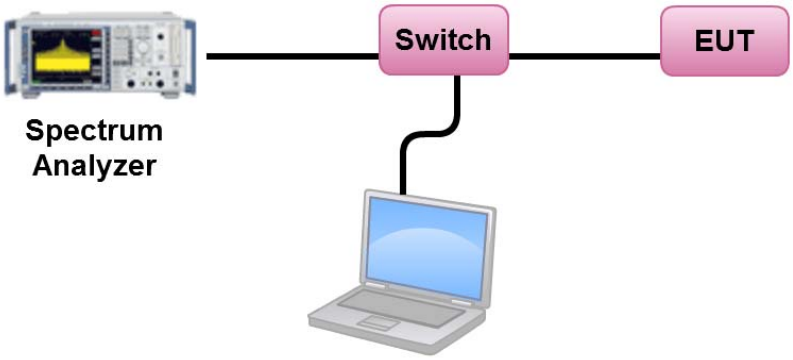
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1000 kHz
VBW	3000 kHz
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times

4.4.3. Test Procedures

1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
2. Test was performed in accordance with KDB 789033 D01 v01r03 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E,section (C) Maximum conducted output power => (d) Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).
3. Multiple antenna systems was performed in accordance KDB 662911 D01 v02 in-Band Power Spectral Density (PSD) Measurements (1) Measure and sum the spectra across the outputs.
4. When measuring first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3 and so on up to the Nth output to obtain the value for the first frequency bin of the summed spectrum. The summed spectrum value for each of the other frequency bins is computed in the same way.

4.4.4. Test Setup Layout



4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.4.7. Test Result of Power Spectral Density

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.69	9.00	Complies
56	5280 MHz	8.22	9.00	Complies
60	5300 MHz	8.64	9.00	Complies
64	5320 MHz	5.08	9.00	Complies
100	5500 MHz	8.27	9.00	Complies
116	5580 MHz	8.28	9.00	Complies
140	5700 MHz	0.44	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.36	9.00	Complies
62	5310 MHz	-0.79	9.00	Complies
102	5510 MHz	2.23	9.00	Complies
110	5550 MHz	4.28	9.00	Complies
134	5670 MHz	4.46	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-7.49	9.00	Complies
106	5530 MHz	-5.10	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.67	5.99	Complies
56	5280 MHz	5.64	5.99	Complies
60	5300 MHz	5.61	5.99	Complies
64	5320 MHz	5.69	5.99	Complies
100	5500 MHz	4.02	5.99	Complies
116	5580 MHz	5.55	5.99	Complies
140	5700 MHz	-0.06	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.76	5.99	Complies
62	5310 MHz	0.47	5.99	Complies
102	5510 MHz	1.23	5.99	Complies
110	5550 MHz	5.62	5.99	Complies
134	5670 MHz	4.80	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.13	5.99	Complies
106	5530 MHz	-9.05	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.65	9.00	Complies
56	5280 MHz	8.70	9.00	Complies
60	5300 MHz	8.61	9.00	Complies
64	5320 MHz	6.69	9.00	Complies
100	5500 MHz	6.11	9.00	Complies
116	5580 MHz	8.77	9.00	Complies
140	5700 MHz	0.43	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.63	9.00	Complies
62	5310 MHz	1.80	9.00	Complies
102	5510 MHz	2.28	9.00	Complies
110	5550 MHz	5.60	9.00	Complies
134	5670 MHz	4.87	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-5.80	9.00	Complies
106	5530 MHz	-6.52	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	4.12	4.23	Complies
56	5280 MHz	3.73	4.23	Complies
60	5300 MHz	4.05	4.23	Complies
64	5320 MHz	3.89	4.23	Complies
100	5500 MHz	4.13	4.23	Complies
116	5580 MHz	4.07	4.23	Complies
140	5700 MHz	-1.63	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit=11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.21	4.23	Complies
62	5310 MHz	2.01	4.23	Complies
102	5510 MHz	3.28	4.23	Complies
110	5550 MHz	4.08	4.23	Complies
134	5670 MHz	3.76	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit=11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-10.32	4.23	Complies
106	5530 MHz	-6.58	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit=11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	7.22	7.24	Complies
56	5280 MHz	7.10	7.24	Complies
60	5300 MHz	6.82	7.24	Complies
64	5320 MHz	4.48	7.24	Complies
100	5500 MHz	5.63	7.24	Complies
116	5580 MHz	7.00	7.24	Complies
140	5700 MHz	1.60	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.01	7.24	Complies
62	5310 MHz	2.17	7.24	Complies
102	5510 MHz	3.24	7.24	Complies
110	5550 MHz	5.30	7.24	Complies
134	5670 MHz	4.55	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-4.99	7.24	Complies
106	5530 MHz	-5.56	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.21	9.00	Complies
56	5280 MHz	8.02	9.00	Complies
60	5300 MHz	8.29	9.00	Complies
64	5320 MHz	5.44	9.00	Complies
100	5500 MHz	5.39	9.00	Complies
116	5580 MHz	8.48	9.00	Complies
140	5700 MHz	-0.57	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.57	9.00	Complies
62	5310 MHz	1.65	9.00	Complies
102	5510 MHz	2.58	9.00	Complies
110	5550 MHz	5.95	9.00	Complies
134	5670 MHz	5.21	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-5.54	9.00	Complies
106	5530 MHz	-8.20	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	3.91	4.50	Complies
56	5280 MHz	-2.54	4.50	Complies
60	5300 MHz	0.40	4.50	Complies
64	5320 MHz	-4.46	4.50	Complies
100	5500 MHz	-3.00	4.50	Complies
116	5580 MHz	3.80	4.50	Complies
140	5700 MHz	-7.19	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	0.96	4.50	Complies
62	5310 MHz	-7.13	4.50	Complies
102	5510 MHz	-5.31	4.50	Complies
110	5550 MHz	1.11	4.50	Complies
134	5670 MHz	-0.30	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-16.82	4.50	Complies
106	5530 MHz	-16.18	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	1.10	1.49	Complies
56	5280 MHz	-4.54	1.49	Complies
60	5300 MHz	1.08	1.49	Complies
64	5320 MHz	-3.35	1.49	Complies
100	5500 MHz	-3.39	1.49	Complies
116	5580 MHz	0.97	1.49	Complies
140	5700 MHz	-7.79	1.49	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=15.51dBi >6dBi,So Band2~3 Limit =11-(15.51-6)=1.49dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	0.83	1.49	Complies
62	5310 MHz	-5.92	1.49	Complies
102	5510 MHz	-5.29	1.49	Complies
110	5550 MHz	1.12	1.49	Complies
134	5670 MHz	0.43	1.49	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=15.51dBi >6dBi,So Band2~3 Limit =11-(15.51-6)=1.49dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-15.19	1.49	Complies
106	5530 MHz	-15.27	1.49	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=15.51dBi >6dBi,So Band2~3 Limit =11-(15.51-6)=1.49dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	3.77	4.50	Complies
56	5280 MHz	-4.71	4.50	Complies
60	5300 MHz	1.37	4.50	Complies
64	5320 MHz	-3.50	4.50	Complies
100	5500 MHz	-3.71	4.50	Complies
116	5580 MHz	4.02	4.50	Complies
140	5700 MHz	-7.79	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	0.63	4.50	Complies
62	5310 MHz	-6.23	4.50	Complies
102	5510 MHz	-7.04	4.50	Complies
110	5550 MHz	0.84	4.50	Complies
134	5670 MHz	0.35	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-15.28	4.50	Complies
106	5530 MHz	-15.37	4.50	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.5dBi >6dBi,So Band2~3 Limit =11-(12.5-6)=4.5dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.69	9.00	Complies
56	5280 MHz	0.19	9.00	Complies
60	5300 MHz	8.19	9.00	Complies
64	5320 MHz	2.01	9.00	Complies
100	5500 MHz	4.86	9.00	Complies
116	5580 MHz	8.28	9.00	Complies
140	5700 MHz	1.01	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.36	9.00	Complies
62	5310 MHz	-3.36	9.00	Complies
102	5510 MHz	2.74	9.00	Complies
110	5550 MHz	4.28	9.00	Complies
134	5670 MHz	4.46	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-5.48	9.00	Complies
106	5530 MHz	-6.94	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.67	5.99	Complies
56	5280 MHz	1.40	5.99	Complies
60	5300 MHz	2.58	5.99	Complies
64	5320 MHz	0.74	5.99	Complies
100	5500 MHz	1.60	5.99	Complies
116	5580 MHz	5.55	5.99	Complies
140	5700 MHz	1.29	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.76	5.99	Complies
62	5310 MHz	-3.05	5.99	Complies
102	5510 MHz	1.86	5.99	Complies
110	5550 MHz	5.62	5.99	Complies
134	5670 MHz	4.80	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-12.14	5.99	Complies
106	5530 MHz	-11.63	5.99	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=11.01dBi >6dBi,So Band2~3 Limit =11-(11.01-6)=5.99dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.65	9.00	Complies
56	5280 MHz	0.94	9.00	Complies
60	5300 MHz	6.03	9.00	Complies
64	5320 MHz	0.68	9.00	Complies
100	5500 MHz	2.97	9.00	Complies
116	5580 MHz	8.77	9.00	Complies
140	5700 MHz	-0.02	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.63	9.00	Complies
62	5310 MHz	-2.09	9.00	Complies
102	5510 MHz	2.28	9.00	Complies
110	5550 MHz	5.60	9.00	Complies
134	5670 MHz	4.87	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-11.92	9.00	Complies
106	5530 MHz	-7.47	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	4.12	4.23	Complies
56	5280 MHz	2.97	4.23	Complies
60	5300 MHz	4.05	4.23	Complies
64	5320 MHz	-0.76	4.23	Complies
100	5500 MHz	1.75	4.23	Complies
116	5580 MHz	4.07	4.23	Complies
140	5700 MHz	0.01	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit =11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.21	4.23	Complies
62	5310 MHz	-2.48	4.23	Complies
102	5510 MHz	0.88	4.23	Complies
110	5550 MHz	4.08	4.23	Complies
134	5670 MHz	3.76	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit =11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-11.99	4.23	Complies
106	5530 MHz	-11.65	4.23	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=12.77dBi >6dBi,So Band2~3 Limit =11-(12.77-6)=4.23dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	7.22	7.24	Complies
56	5280 MHz	2.89	7.24	Complies
60	5300 MHz	6.29	7.24	Complies
64	5320 MHz	0.56	7.24	Complies
100	5500 MHz	3.45	7.24	Complies
116	5580 MHz	7.00	7.24	Complies
140	5700 MHz	0.64	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.01	7.24	Complies
62	5310 MHz	-2.88	7.24	Complies
102	5510 MHz	1.11	7.24	Complies
110	5550 MHz	5.30	7.24	Complies
134	5670 MHz	4.55	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-11.52	7.24	Complies
106	5530 MHz	-6.73	7.24	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.76dBi >6dBi,So Band2~3 Limit =11-(9.76-6)=7.24dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.21	9.00	Complies
56	5280 MHz	2.40	9.00	Complies
60	5300 MHz	5.67	9.00	Complies
64	5320 MHz	-0.52	9.00	Complies
100	5500 MHz	3.81	9.00	Complies
116	5580 MHz	8.48	9.00	Complies
140	5700 MHz	0.18	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.57	9.00	Complies
62	5310 MHz	-1.34	9.00	Complies
102	5510 MHz	1.62	9.00	Complies
110	5550 MHz	5.95	9.00	Complies
134	5670 MHz	5.21	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-8.48	9.00	Complies
106	5530 MHz	-7.18	9.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8dBi >6dBi,So Band2~3 Limit =11-(8-6)=9dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.28	11.00	Complies
60	5300 MHz	10.49	11.00	Complies
64	5320 MHz	4.86	11.00	Complies
100	5500 MHz	5.86	11.00	Complies
116	5580 MHz	10.80	11.00	Complies
140	5700 MHz	3.88	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.66	11.00	Complies
62	5310 MHz	0.41	11.00	Complies
102	5510 MHz	3.44	11.00	Complies
110	5550 MHz	7.29	11.00	Complies
134	5670 MHz	6.13	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.66	11.00	Complies
106	5530 MHz	-7.51	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.82	11.00	Complies
60	5300 MHz	9.59	11.00	Complies
64	5320 MHz	3.16	11.00	Complies
100	5500 MHz	3.73	11.00	Complies
116	5580 MHz	10.41	11.00	Complies
140	5700 MHz	1.57	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.31dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.61	11.00	Complies
62	5310 MHz	0.22	11.00	Complies
102	5510 MHz	1.91	11.00	Complies
110	5550 MHz	7.58	11.00	Complies
134	5670 MHz	7.49	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.31dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-10.35	11.00	Complies
106	5530 MHz	-9.95	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.31dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.41	11.00	Complies
60	5300 MHz	9.67	11.00	Complies
64	5320 MHz	3.17	11.00	Complies
100	5500 MHz	3.69	11.00	Complies
116	5580 MHz	10.52	11.00	Complies
140	5700 MHz	1.48	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.38	11.00	Complies
62	5310 MHz	0.71	11.00	Complies
102	5510 MHz	2.17	11.00	Complies
110	5550 MHz	7.44	11.00	Complies
134	5670 MHz	6.98	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-7.68	11.00	Complies
106	5530 MHz	-6.99	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	9.81	9.93	Complies
60	5300 MHz	9.57	9.93	Complies
64	5320 MHz	3.74	9.93	Complies
100	5500 MHz	3.37	9.93	Complies
116	5580 MHz	9.53	9.93	Complies
140	5700 MHz	2.30	9.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.07dBi >6dBi,So Band2~3 Limit =11-(7.07-6)=9.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.27	9.93	Complies
62	5310 MHz	0.66	9.93	Complies
102	5510 MHz	1.87	9.93	Complies
110	5550 MHz	7.43	9.93	Complies
134	5670 MHz	7.04	9.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.07dBi >6dBi,So Band2~3 Limit =11-(7.07-6)=9.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-10.20	9.93	Complies
106	5530 MHz	-9.92	9.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.07dBi >6dBi,So Band2~3 Limit =11-(7.07-6)=9.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.32	11.00	Complies
60	5300 MHz	9.24	11.00	Complies
64	5320 MHz	3.84	11.00	Complies
100	5500 MHz	4.26	11.00	Complies
116	5580 MHz	10.58	11.00	Complies
140	5700 MHz	3.36	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.06dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.97	11.00	Complies
62	5310 MHz	1.97	11.00	Complies
102	5510 MHz	3.33	11.00	Complies
110	5550 MHz	7.16	11.00	Complies
134	5670 MHz	6.89	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.06dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-8.47	11.00	Complies
106	5530 MHz	-5.97	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.06dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.83	11.00	Complies
60	5300 MHz	10.78	11.00	Complies
64	5320 MHz	3.31	11.00	Complies
100	5500 MHz	3.92	11.00	Complies
116	5580 MHz	10.63	11.00	Complies
140	5700 MHz	3.43	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.44	11.00	Complies
62	5310 MHz	1.97	11.00	Complies
102	5510 MHz	3.34	11.00	Complies
110	5550 MHz	7.60	11.00	Complies
134	5670 MHz	7.45	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.05	11.00	Complies
106	5530 MHz	-6.57	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.28	11.00	Complies
60	5300 MHz	10.49	11.00	Complies
64	5320 MHz	6.58	11.00	Complies
100	5500 MHz	5.86	11.00	Complies
116	5580 MHz	10.80	11.00	Complies
140	5700 MHz	5.43	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.66	11.00	Complies
62	5310 MHz	1.96	11.00	Complies
102	5510 MHz	2.91	11.00	Complies
110	5550 MHz	7.29	11.00	Complies
134	5670 MHz	6.13	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.20	11.00	Complies
106	5530 MHz	-7.01	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.82	11.00	Complies
60	5300 MHz	10.66	11.00	Complies
64	5320 MHz	4.59	11.00	Complies
100	5500 MHz	5.67	11.00	Complies
116	5580 MHz	10.41	11.00	Complies
140	5700 MHz	1.01	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.51dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.61	11.00	Complies
62	5310 MHz	0.73	11.00	Complies
102	5510 MHz	2.30	11.00	Complies
110	5550 MHz	7.58	11.00	Complies
134	5670 MHz	7.49	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.51dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-7.83	11.00	Complies
106	5530 MHz	-9.00	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.51dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.41	11.00	Complies
60	5300 MHz	10.18	11.00	Complies
64	5320 MHz	4.09	11.00	Complies
100	5500 MHz	5.74	11.00	Complies
116	5580 MHz	10.52	11.00	Complies
140	5700 MHz	1.48	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.38	11.00	Complies
62	5310 MHz	1.76	11.00	Complies
102	5510 MHz	2.17	11.00	Complies
110	5550 MHz	7.44	11.00	Complies
134	5670 MHz	6.98	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.20	11.00	Complies
106	5530 MHz	-7.97	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	9.35	9.73	Complies
60	5300 MHz	9.34	9.73	Complies
64	5320 MHz	8.55	9.73	Complies
100	5500 MHz	7.52	9.73	Complies
116	5580 MHz	9.53	9.73	Complies
140	5700 MHz	3.39	9.73	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.27dBi >6dBi,So Band2~3 Limit =11-(7.27-6)=9.73dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.27	9.73	Complies
62	5310 MHz	3.26	9.73	Complies
102	5510 MHz	5.24	9.73	Complies
110	5550 MHz	7.43	9.73	Complies
134	5670 MHz	7.04	9.73	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.27dBi >6dBi,So Band2~3 Limit =11-(7.27-6)=9.73dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.57	9.73	Complies
106	5530 MHz	-6.23	9.73	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.27dBi >6dBi,So Band2~3 Limit =11-(7.27-6)=9.73dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.32	11.00	Complies
60	5300 MHz	10.25	11.00	Complies
64	5320 MHz	9.36	11.00	Complies
100	5500 MHz	7.83	11.00	Complies
116	5580 MHz	10.58	11.00	Complies
140	5700 MHz	2.73	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.26dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.97	11.00	Complies
62	5310 MHz	4.03	11.00	Complies
102	5510 MHz	5.86	11.00	Complies
110	5550 MHz	7.16	11.00	Complies
134	5670 MHz	6.89	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.26dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-2.16	11.00	Complies
106	5530 MHz	-3.46	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=4.26dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.83	11.00	Complies
60	5300 MHz	10.78	11.00	Complies
64	5320 MHz	9.62	11.00	Complies
100	5500 MHz	9.00	11.00	Complies
116	5580 MHz	10.63	11.00	Complies
140	5700 MHz	5.51	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.44	11.00	Complies
62	5310 MHz	6.90	11.00	Complies
102	5510 MHz	7.47	11.00	Complies
110	5550 MHz	7.60	11.00	Complies
134	5670 MHz	7.45	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.58	11.00	Complies
106	5530 MHz	-2.47	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=2.5dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Date	May 05, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	2.70	3.03	Complies
56	5280 MHz	2.76	3.03	Complies
60	5300 MHz	2.58	3.03	Complies
64	5320 MHz	0.58	3.03	Complies
100	5500 MHz	2.54	3.03	Complies
116	5580 MHz	2.95	3.03	Complies
140	5700 MHz	-0.80	3.03	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=13.97dBi >6dBi,So Band2~3 Limit =11-(13.97-6)=3.03dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.96	3.03	Complies
62	5310 MHz	-0.47	3.03	Complies
102	5510 MHz	0.13	3.03	Complies
110	5550 MHz	2.73	3.03	Complies
134	5670 MHz	2.66	3.03	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=13.97dBi >6dBi,So Band2~3 Limit =11-(13.97-6)=3.03dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-10.09	3.03	Complies
106	5530 MHz	-11.86	3.03	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=13.97dBi >6dBi,So Band2~3 Limit =11-(13.97-6)=3.03dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.77	6.04	Complies
56	5280 MHz	5.79	6.04	Complies
60	5300 MHz	5.67	6.04	Complies
64	5320 MHz	0.87	6.04	Complies
100	5500 MHz	2.42	6.04	Complies
116	5580 MHz	5.87	6.04	Complies
140	5700 MHz	-0.92	6.04	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.96dBi >6dBi,So Band2~3 Limit =11-(10.96-6)= 6.04 dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.15	6.04	Complies
62	5310 MHz	0.39	6.04	Complies
102	5510 MHz	-1.09	6.04	Complies
110	5550 MHz	4.47	6.04	Complies
134	5670 MHz	3.61	6.04	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.96dBi >6dBi,So Band2~3 Limit =11-(10.96-6)= 6.04 dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.07	6.04	Complies
106	5530 MHz	-10.79	6.04	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.96dBi >6dBi,So Band2~3 Limit =11-(10.96-6)= 6.04 dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	7.15	7.80	Complies
56	5280 MHz	5.66	7.80	Complies
60	5300 MHz	6.52	7.80	Complies
64	5320 MHz	-0.62	7.80	Complies
100	5500 MHz	-0.09	7.80	Complies
116	5580 MHz	7.42	7.80	Complies
140	5700 MHz	-1.79	7.80	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.2dBi >6dBi,So Band2~3 Limit =11-(9.2-6)=7.8dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.17	7.80	Complies
62	5310 MHz	-0.49	7.80	Complies
102	5510 MHz	0.11	7.80	Complies
110	5550 MHz	4.05	7.80	Complies
134	5670 MHz	3.94	7.80	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.2dBi >6dBi,So Band2~3 Limit =11-(9.2-6)=7.8dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-9.29	7.80	Complies
106	5530 MHz	-11.08	7.80	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=9.2dBi >6dBi,So Band2~3 Limit =11-(9.2-6)=7.8dBm/MHz

Temperature	25°C	Humidity	56%
Test Engineer	Serway Li	Configurations	IEEE 802.11ac
Test Date	Jul. 07, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.05	11.00	Complies
60	5300 MHz	8.05	11.00	Complies
64	5320 MHz	4.47	11.00	Complies
100	5500 MHz	5.81	11.00	Complies
116	5580 MHz	9.86	11.00	Complies
140	5700 MHz	5.10	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.52	11.00	Complies
62	5310 MHz	-1.91	11.00	Complies
102	5510 MHz	1.81	11.00	Complies
110	5550 MHz	6.30	11.00	Complies
134	5670 MHz	4.57	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 80MHz / Chain 1

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.77	11.00	Complies
106	5530 MHz	-5.71	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.60	8.69	Complies
60	5300 MHz	8.43	8.69	Complies
64	5320 MHz	3.01	8.69	Complies
100	5500 MHz	1.40	8.69	Complies
116	5580 MHz	8.39	8.69	Complies
140	5700 MHz	2.14	8.69	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8.31dBi >6dBi,So Band2~3 Limit =11-(8.31-6)= 8.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.70	8.69	Complies
62	5310 MHz	-0.31	8.69	Complies
102	5510 MHz	0.12	8.69	Complies
110	5550 MHz	7.55	8.69	Complies
134	5670 MHz	7.27	8.69	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8.31dBi >6dBi,So Band2~3 Limit =11-(8.31-6)= 8.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-8.62	8.69	Complies
106	5530 MHz	-12.63	8.69	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=8.31dBi >6dBi,So Band2~3 Limit =11-(8.31-6)= 8.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.67	11.00	Complies
60	5300 MHz	8.64	11.00	Complies
64	5320 MHz	2.68	11.00	Complies
100	5500 MHz	2.05	11.00	Complies
116	5580 MHz	10.91	11.00	Complies
140	5700 MHz	2.41	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.50	11.00	Complies
62	5310 MHz	-0.43	11.00	Complies
102	5510 MHz	0.47	11.00	Complies
110	5550 MHz	7.93	11.00	Complies
134	5670 MHz	7.41	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-7.35	11.00	Complies
106	5530 MHz	-8.82	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.53	6.93	Complies
60	5300 MHz	6.82	6.93	Complies
64	5320 MHz	0.29	6.93	Complies
100	5500 MHz	0.15	6.93	Complies
116	5580 MHz	6.62	6.93	Complies
140	5700 MHz	0.16	6.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.07dBi >6dBi,So Band2~3 Limit =11-(10.07-6)=6.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.71	6.93	Complies
62	5310 MHz	-0.11	6.93	Complies
102	5510 MHz	-1.25	6.93	Complies
110	5550 MHz	6.65	6.93	Complies
134	5670 MHz	6.25	6.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.07dBi >6dBi,So Band2~3 Limit =11-(10.07-6)=6.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-10.94	6.93	Complies
106	5530 MHz	-12.10	6.93	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=10.07dBi >6dBi,So Band2~3 Limit =11-(10.07-6)=6.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	9.84	9.94	Complies
60	5300 MHz	8.73	9.94	Complies
64	5320 MHz	2.34	9.94	Complies
100	5500 MHz	2.83	9.94	Complies
116	5580 MHz	9.55	9.94	Complies
140	5700 MHz	0.99	9.94	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.06dBi >6dBi,So Band2~3 Limit =11-(7.06-6)=9.94dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.46	9.94	Complies
62	5310 MHz	0.55	9.94	Complies
102	5510 MHz	2.10	9.94	Complies
110	5550 MHz	7.54	9.94	Complies
134	5670 MHz	7.14	9.94	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.06dBi >6dBi,So Band2~3 Limit =11-(7.06-6)=9.94dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-8.36	9.94	Complies
106	5530 MHz	-8.27	9.94	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=7.06dBi >6dBi,So Band2~3 Limit =11-(7.06-6)=9.94dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.34	11.00	Complies
60	5300 MHz	8.70	11.00	Complies
64	5320 MHz	3.35	11.00	Complies
100	5500 MHz	3.82	11.00	Complies
116	5580 MHz	10.51	11.00	Complies
140	5700 MHz	2.37	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.97	11.00	Complies
62	5310 MHz	1.85	11.00	Complies
102	5510 MHz	2.95	11.00	Complies
110	5550 MHz	7.87	11.00	Complies
134	5670 MHz	7.07	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	Total Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.94	11.00	Complies
106	5530 MHz	-6.70	11.00	Complies

Note: Directional gain=G_{ANT} + 10 log (N_{ANT} / Nss)=5.3dBi <6dBi,So Band2~3 Limit =11dBm/MHz

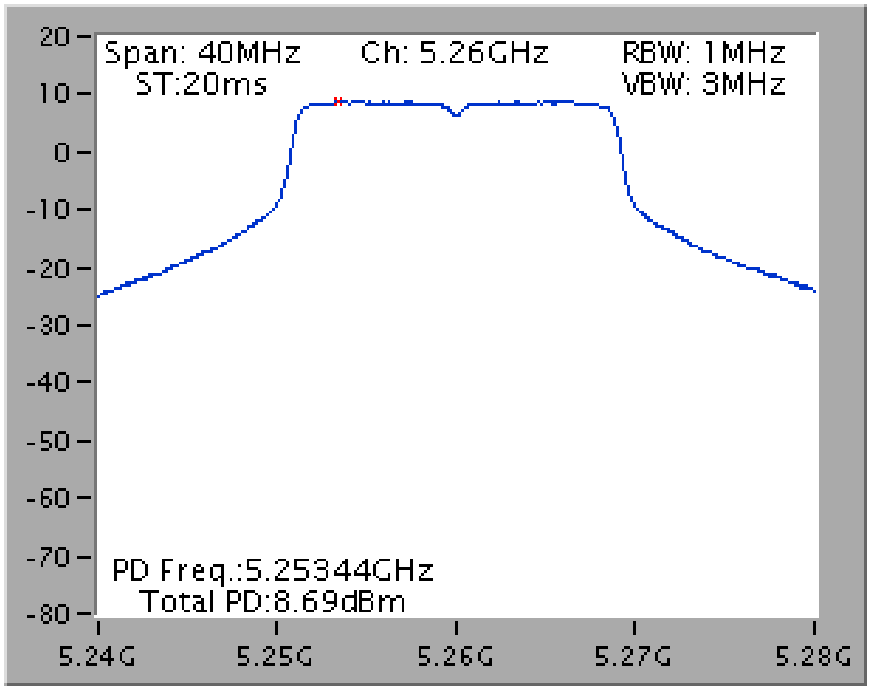
Note: All the test values were listed in the report.

For plots, only the channel with maximum results was shown.

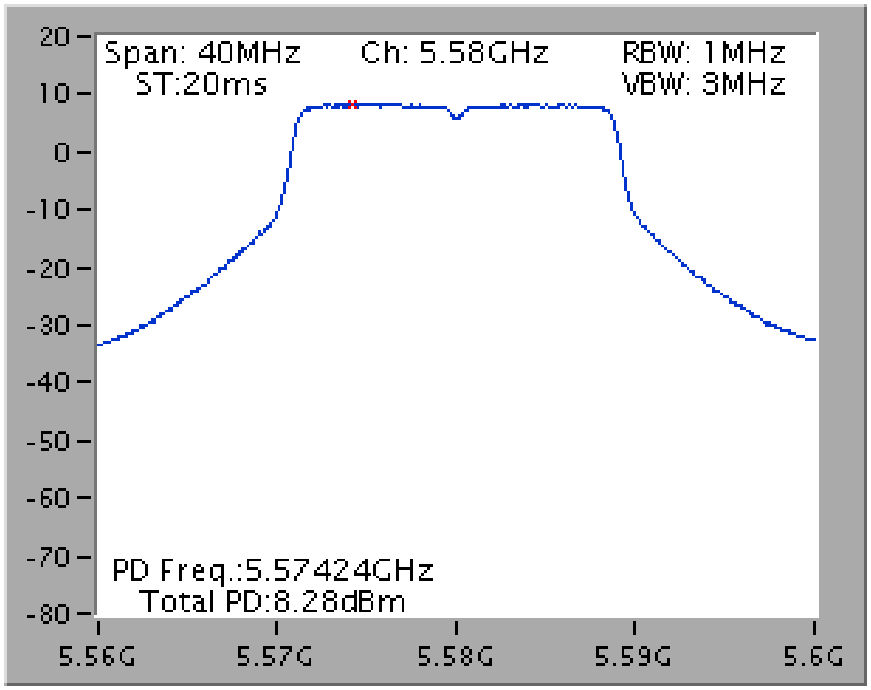
Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

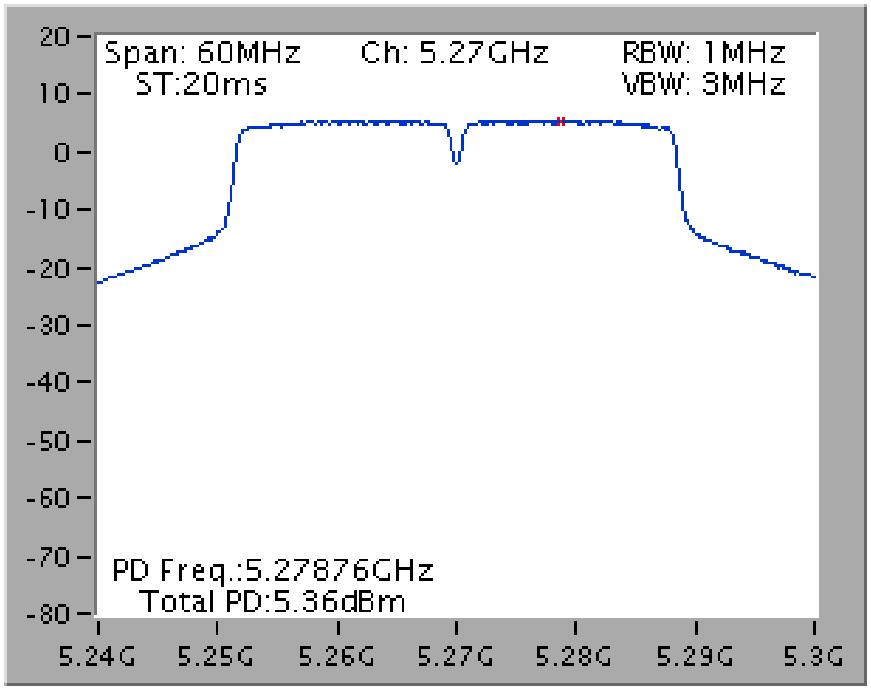
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



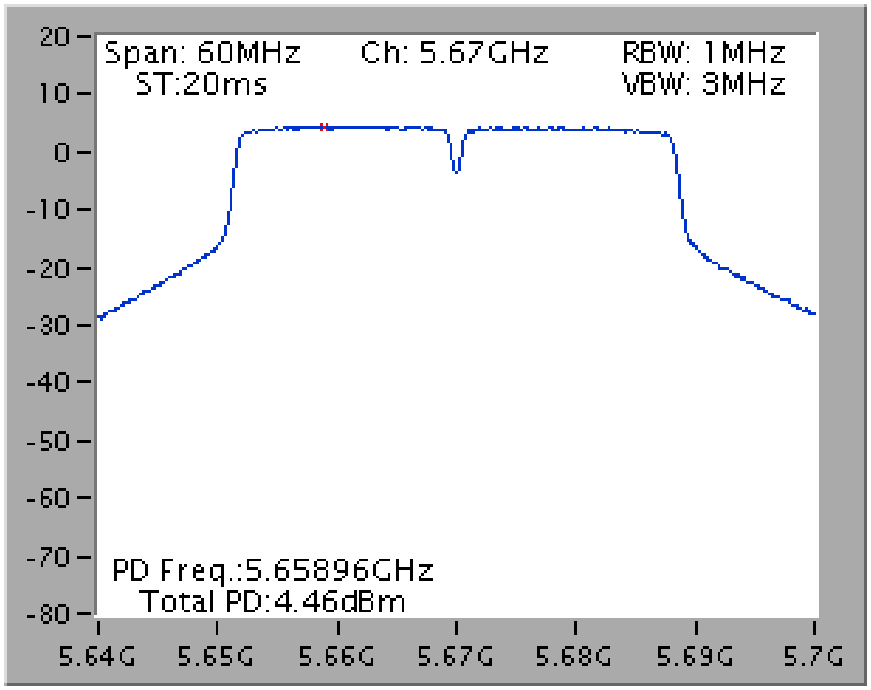
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



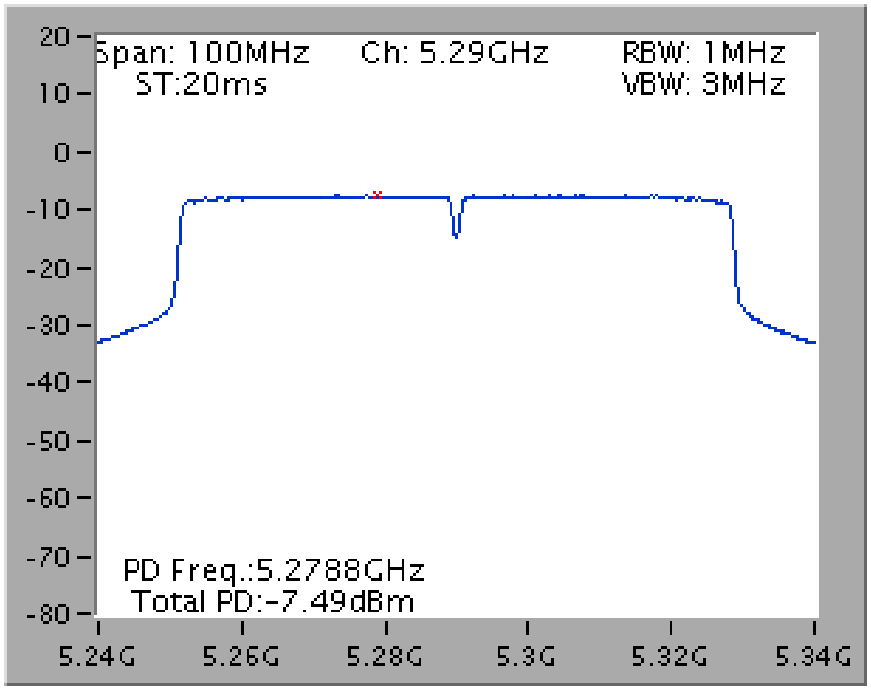
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



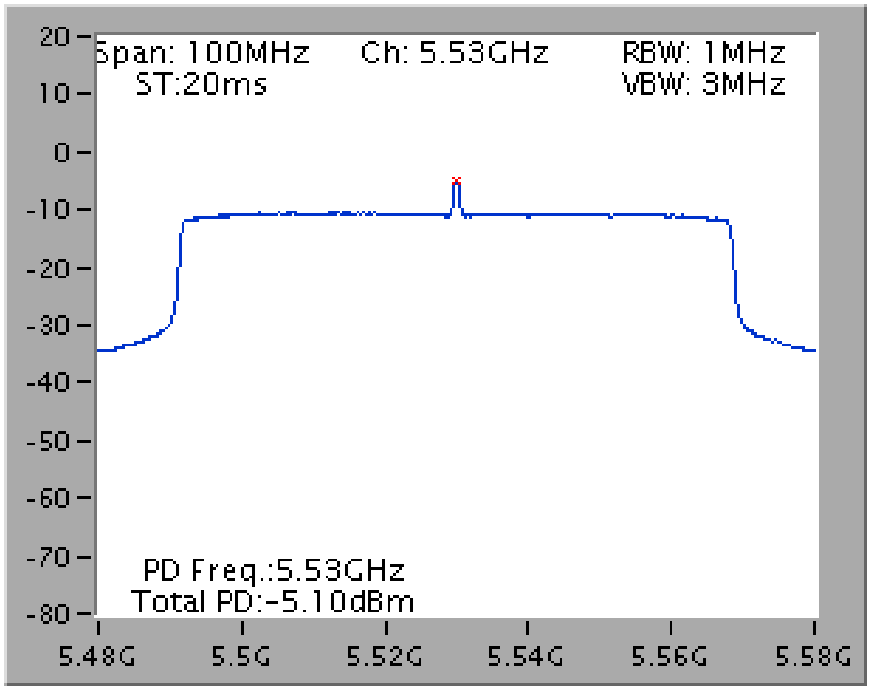
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

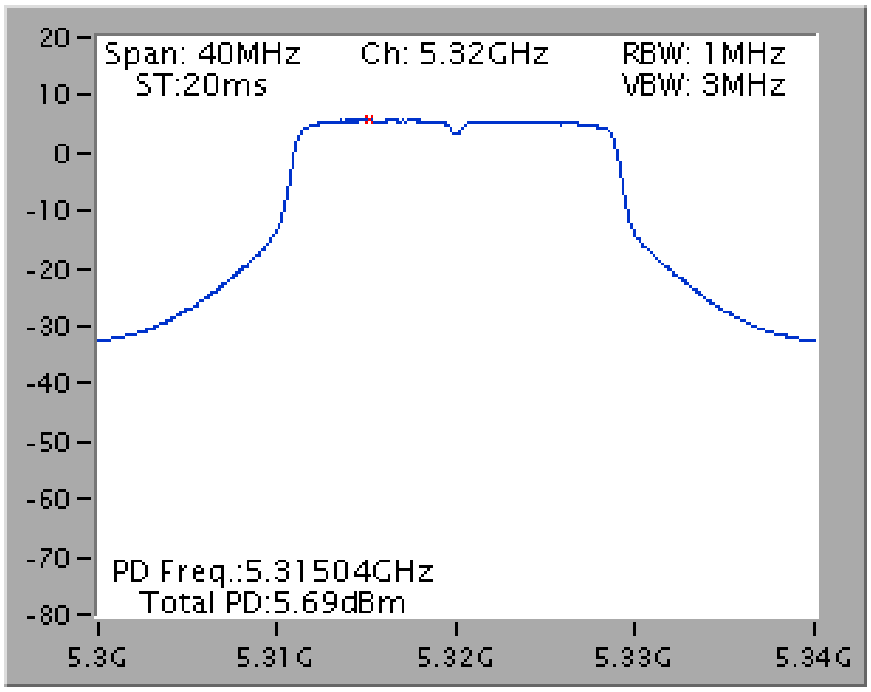


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

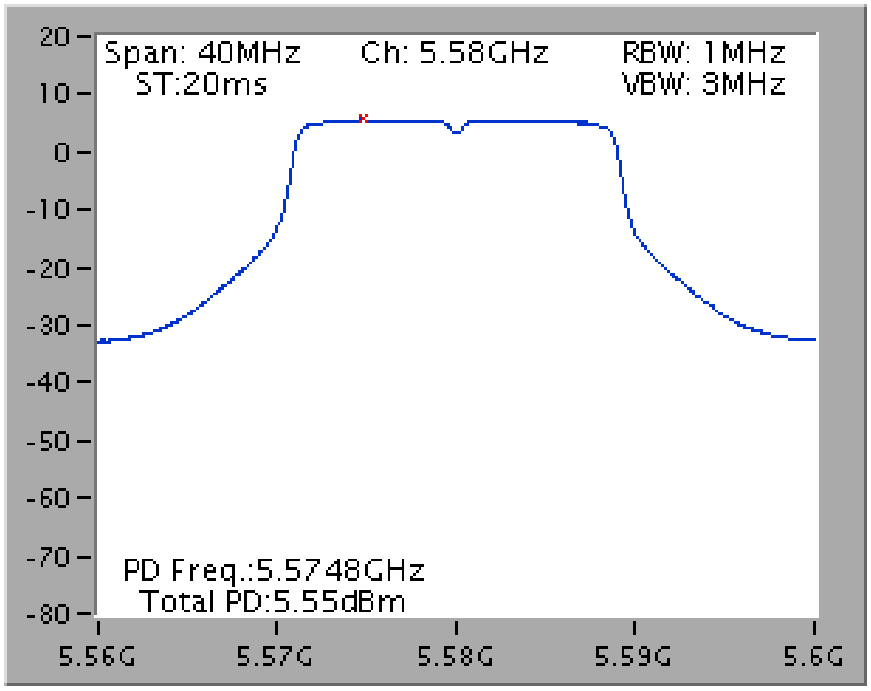


2TX

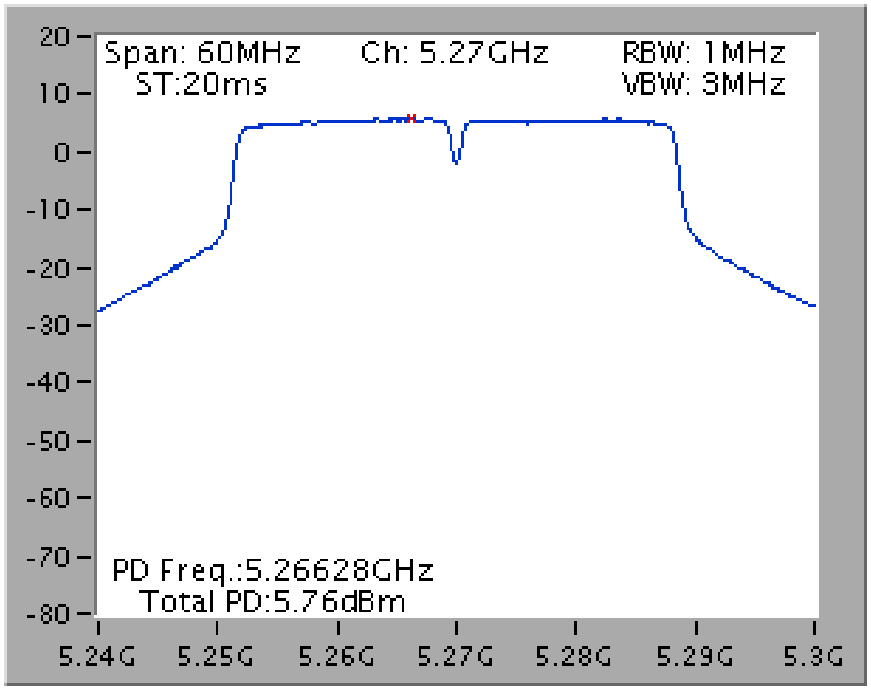
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



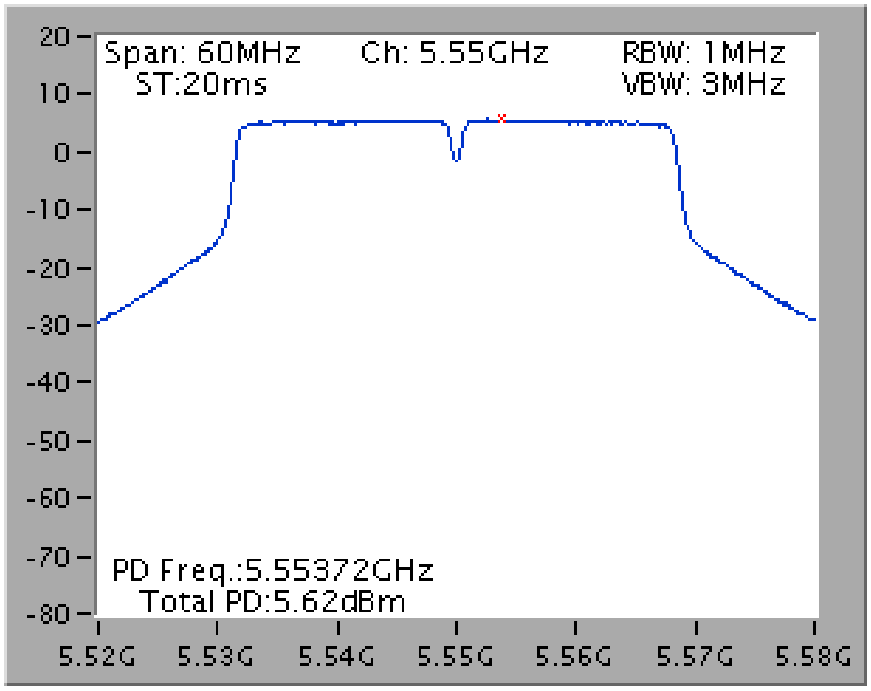
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



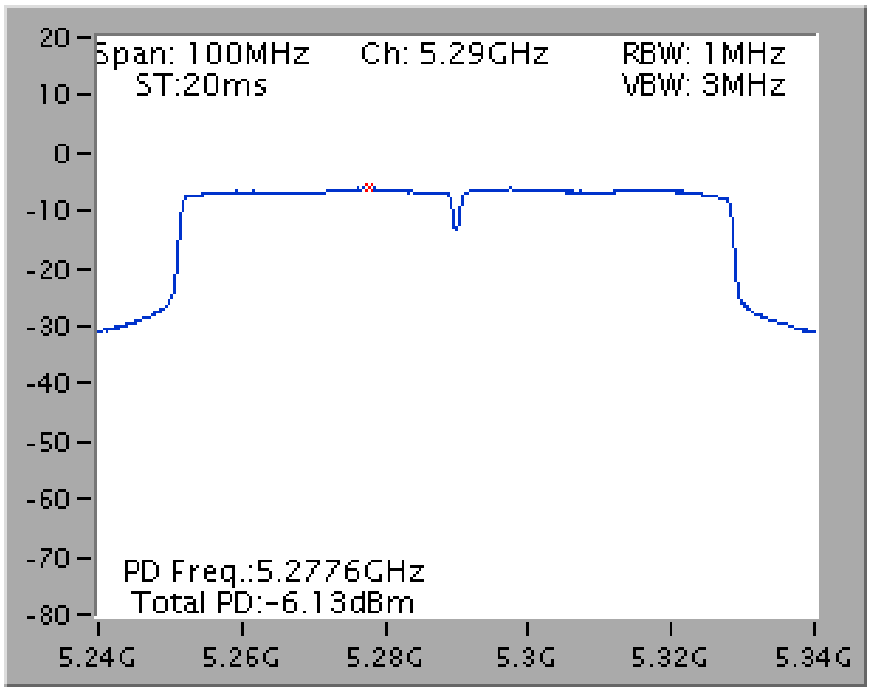
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



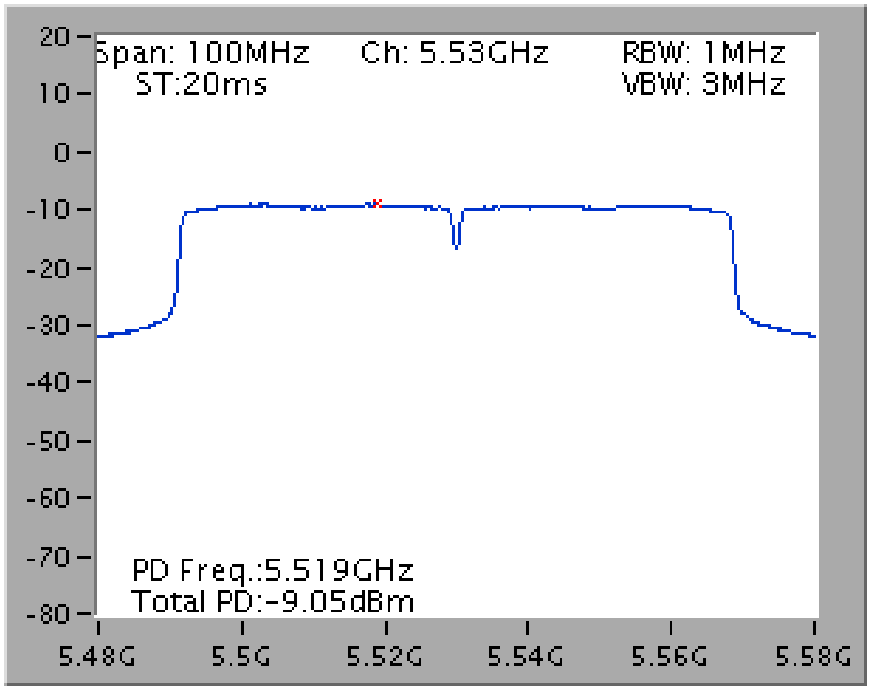
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



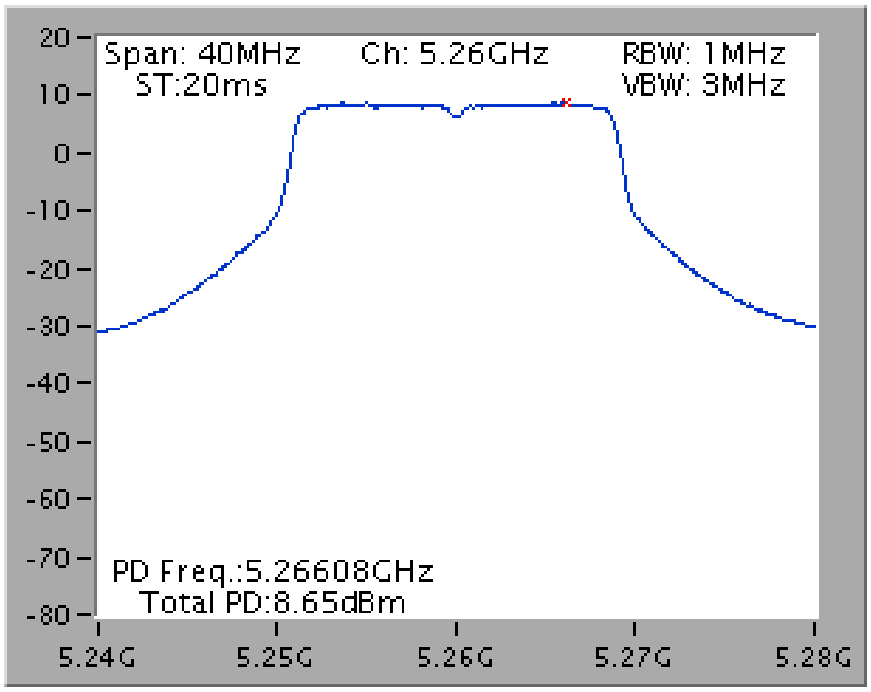
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



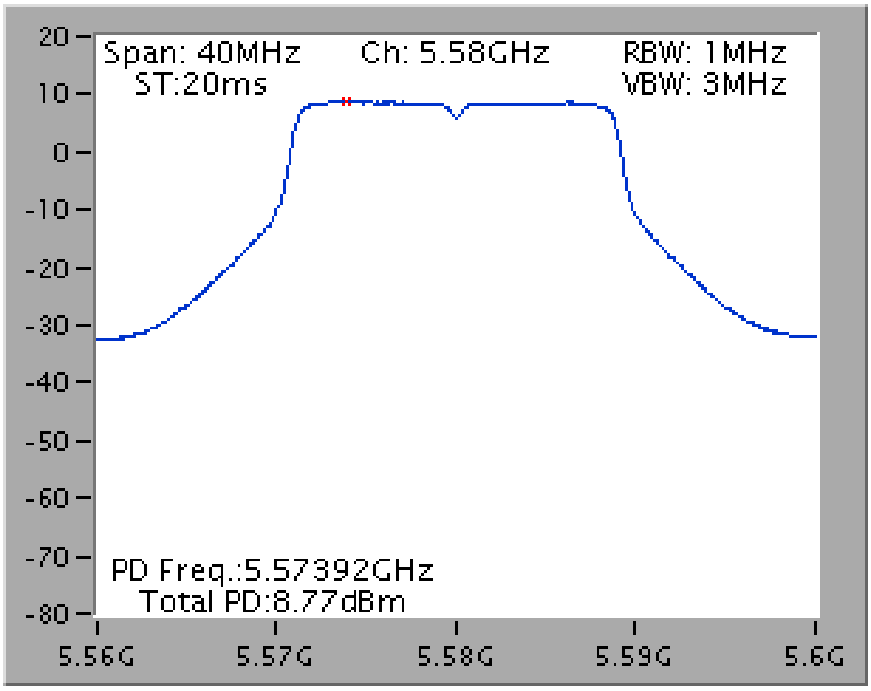
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



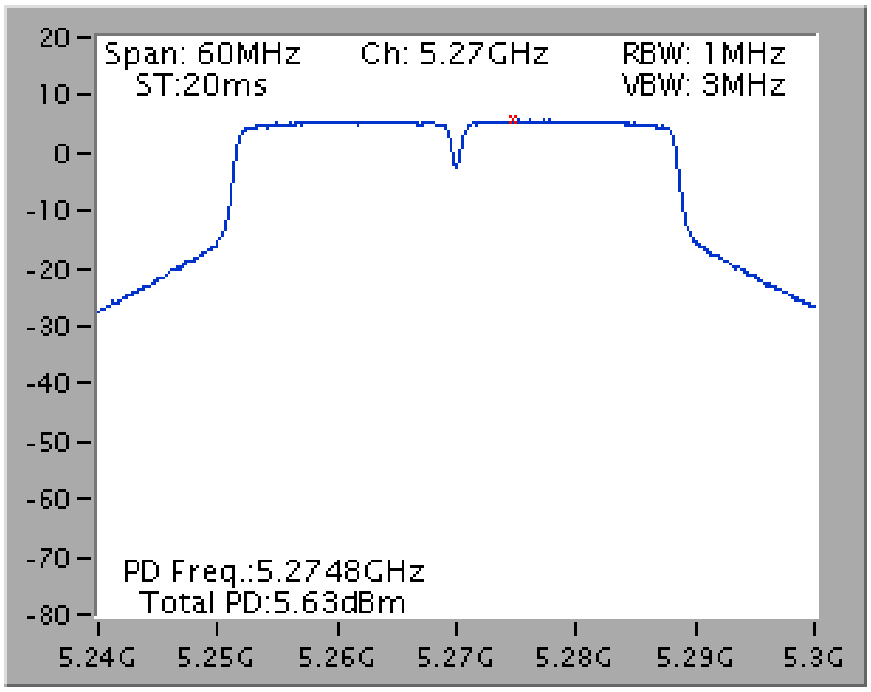
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5280MHz



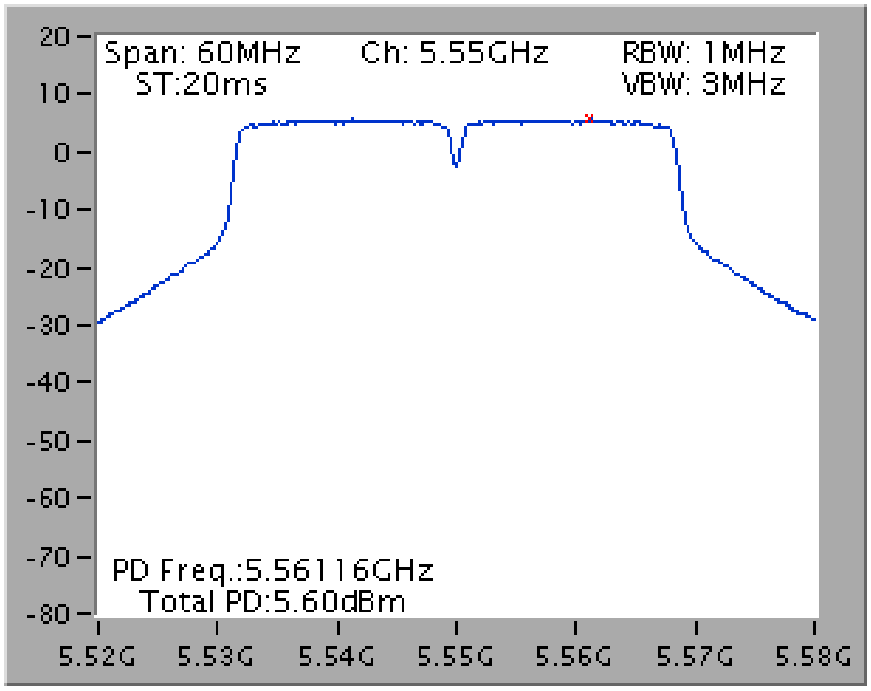
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



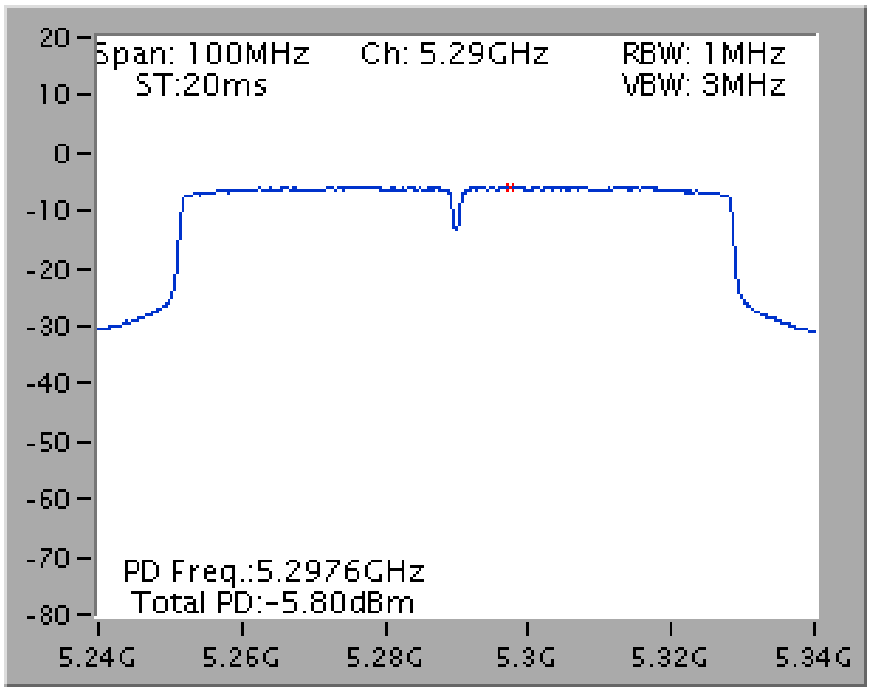
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



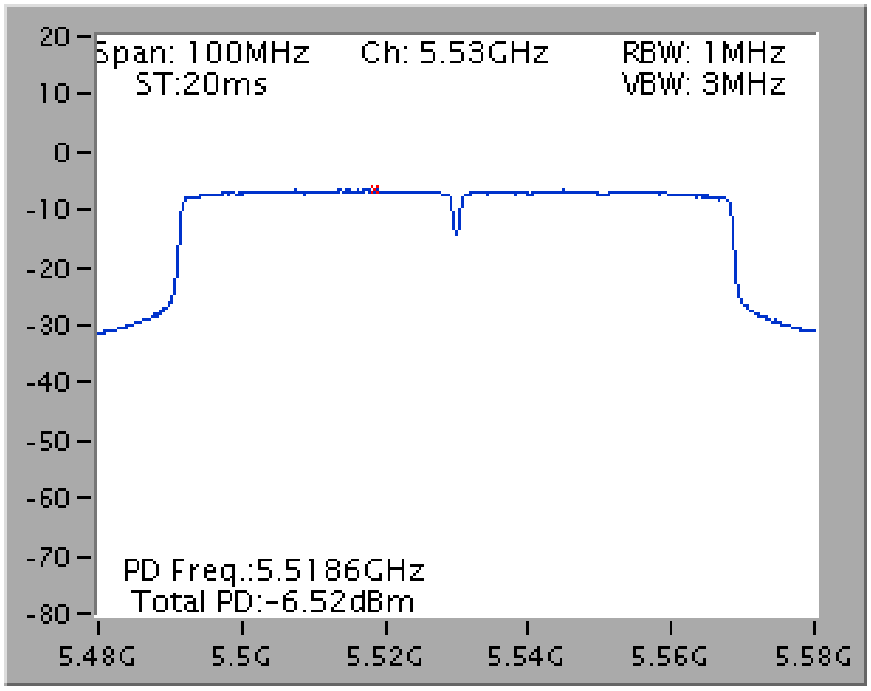
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz

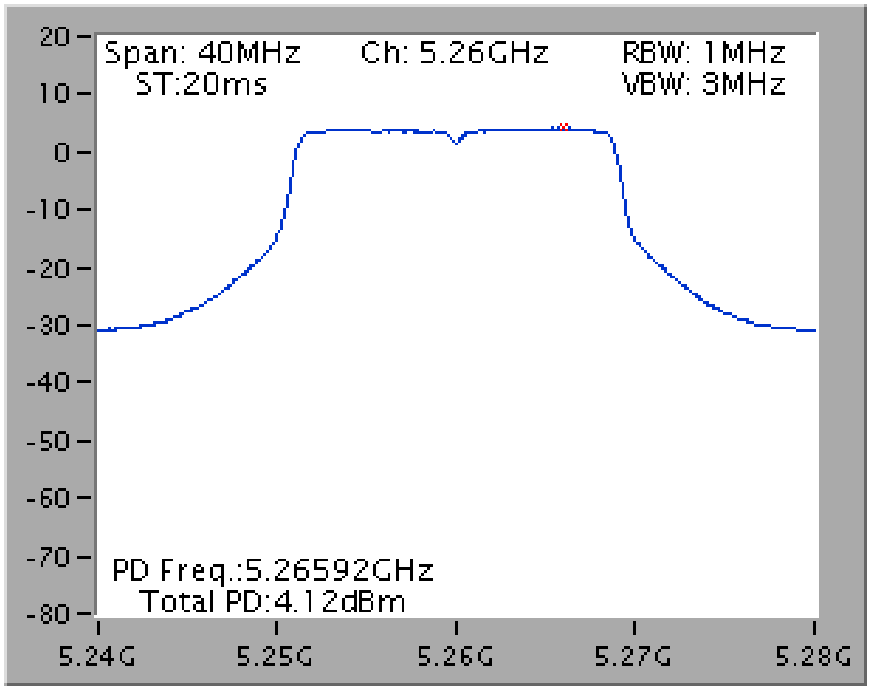


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

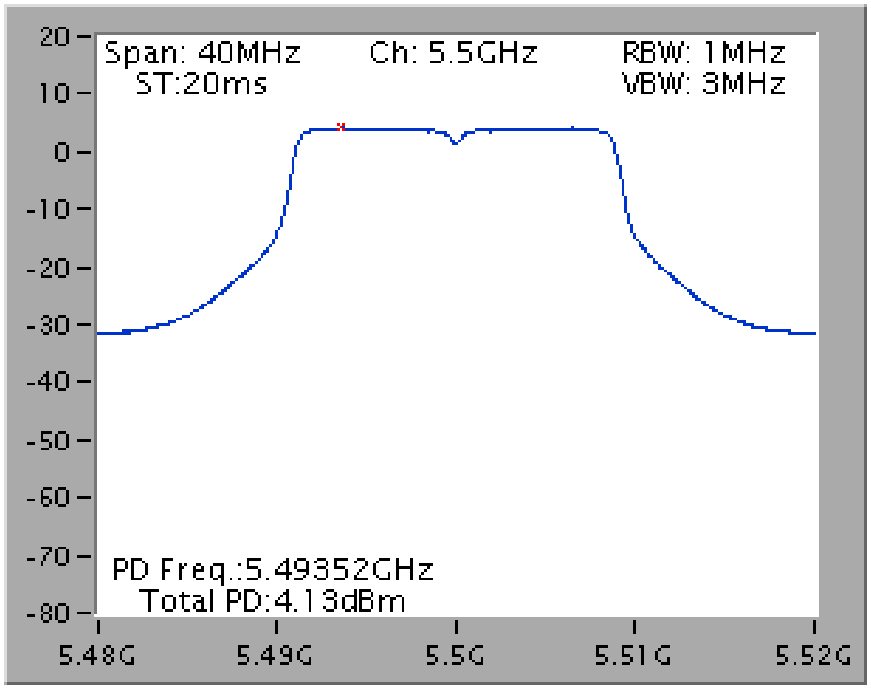


3TX

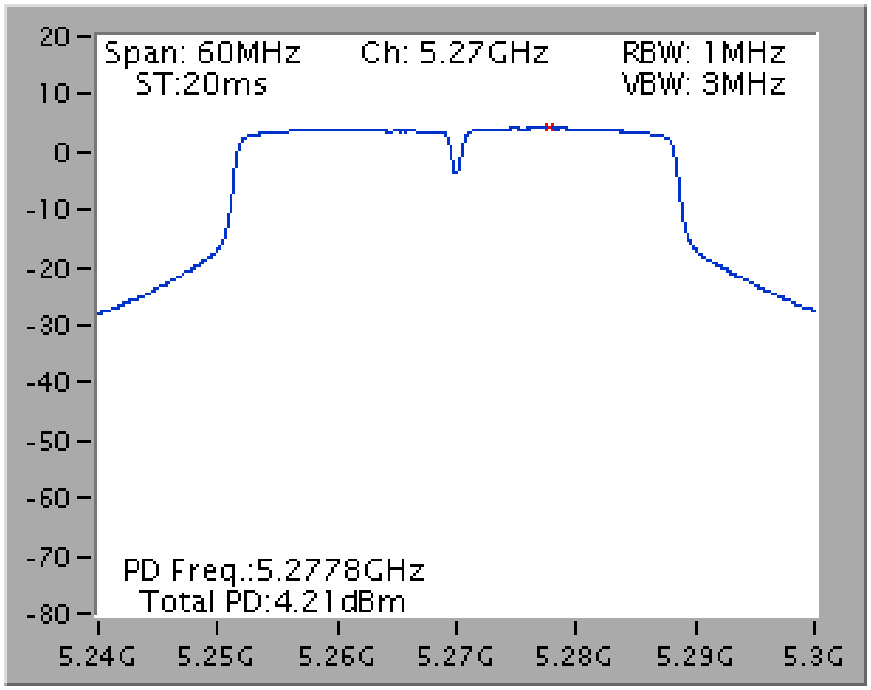
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



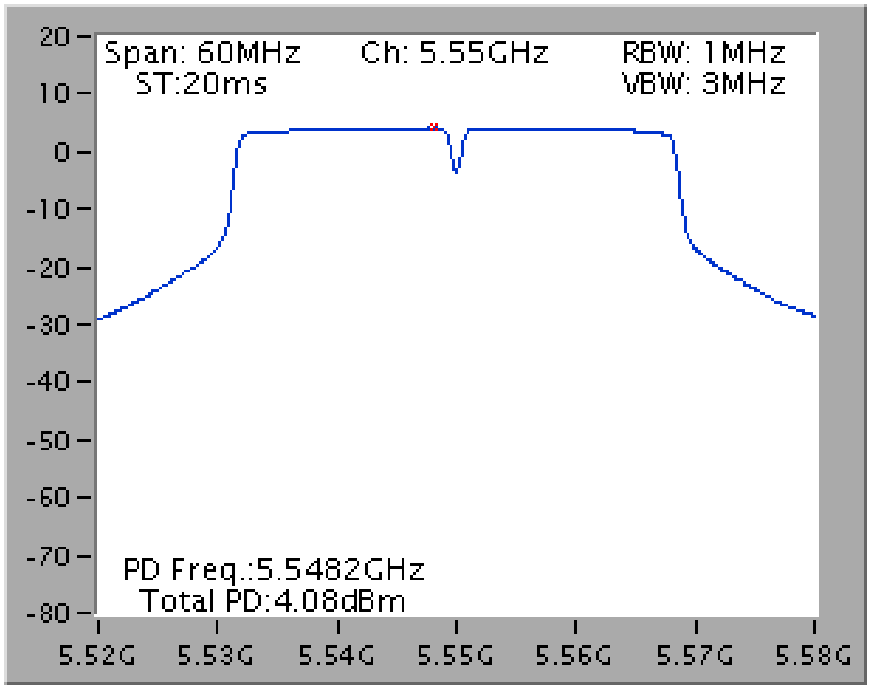
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



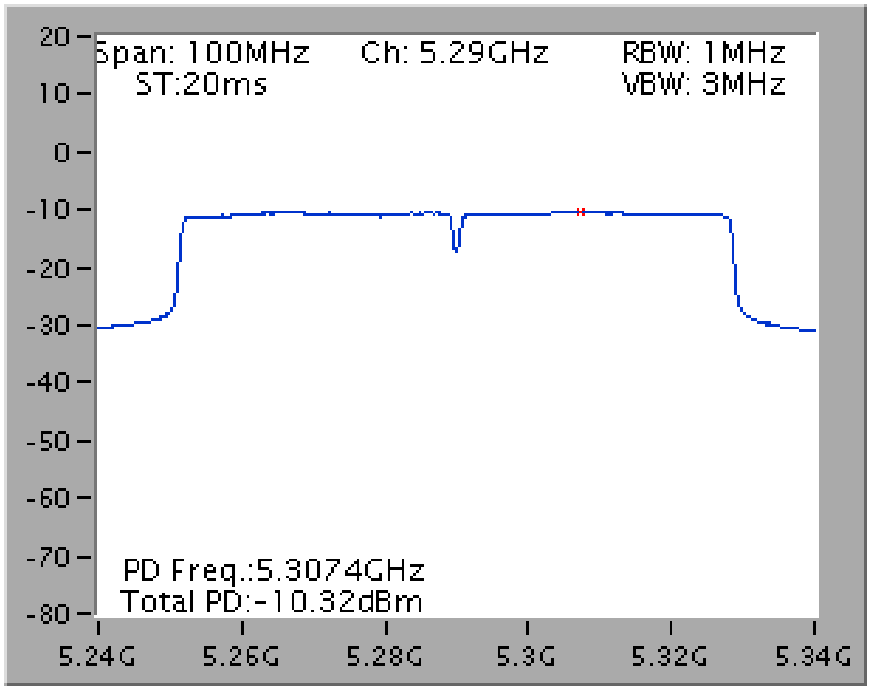
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



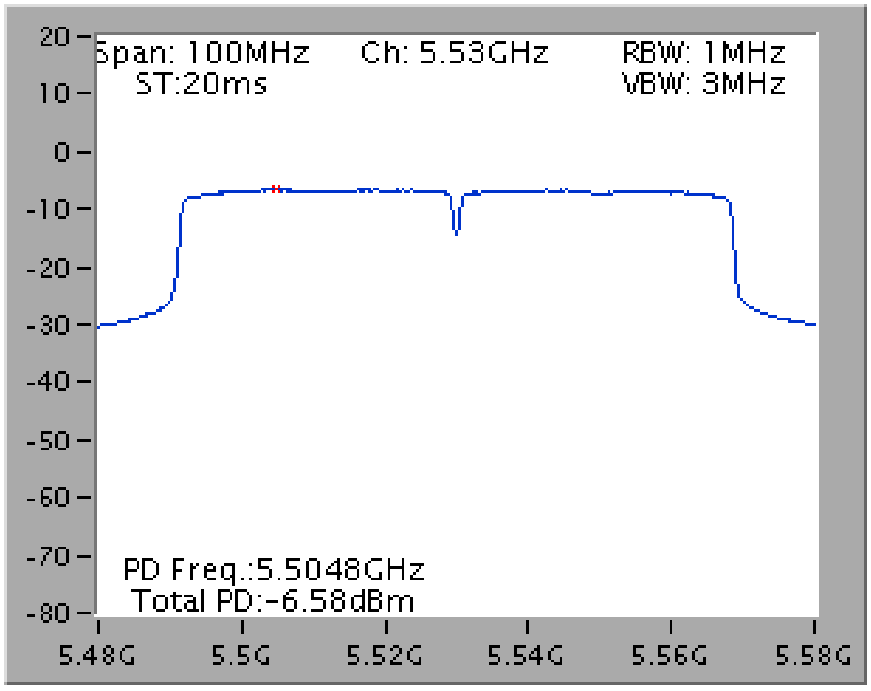
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



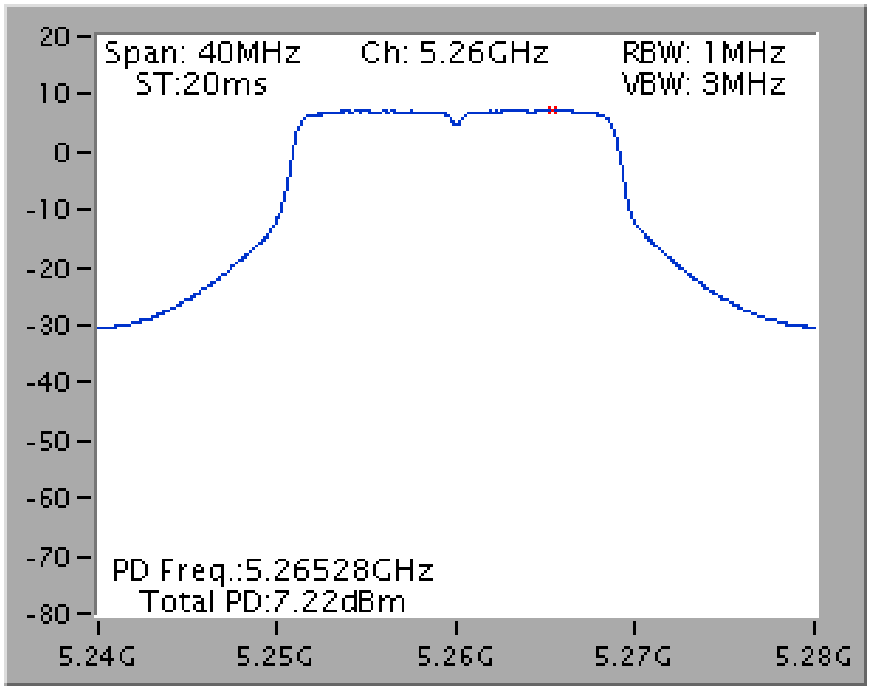
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



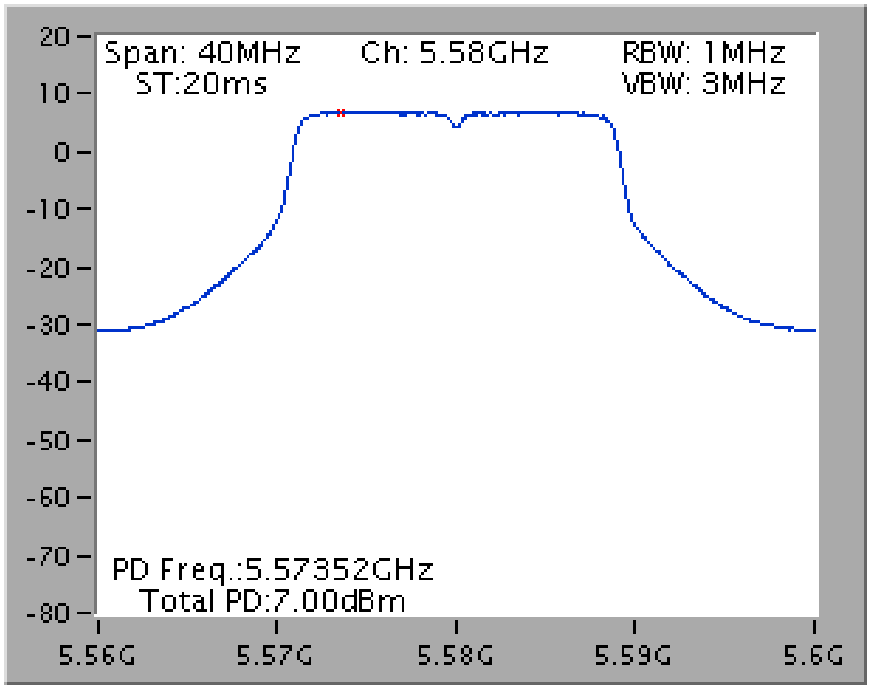
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



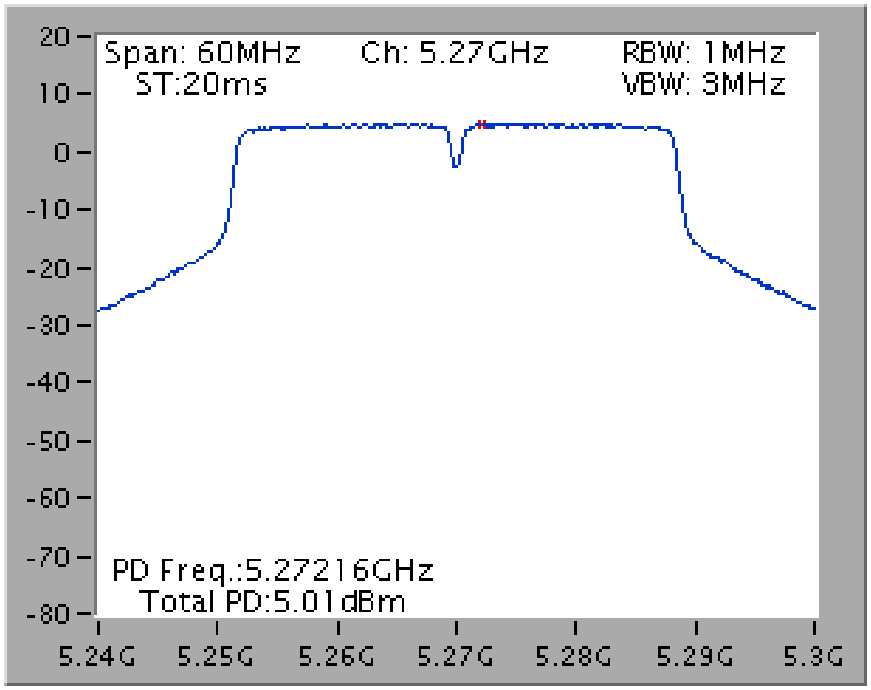
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



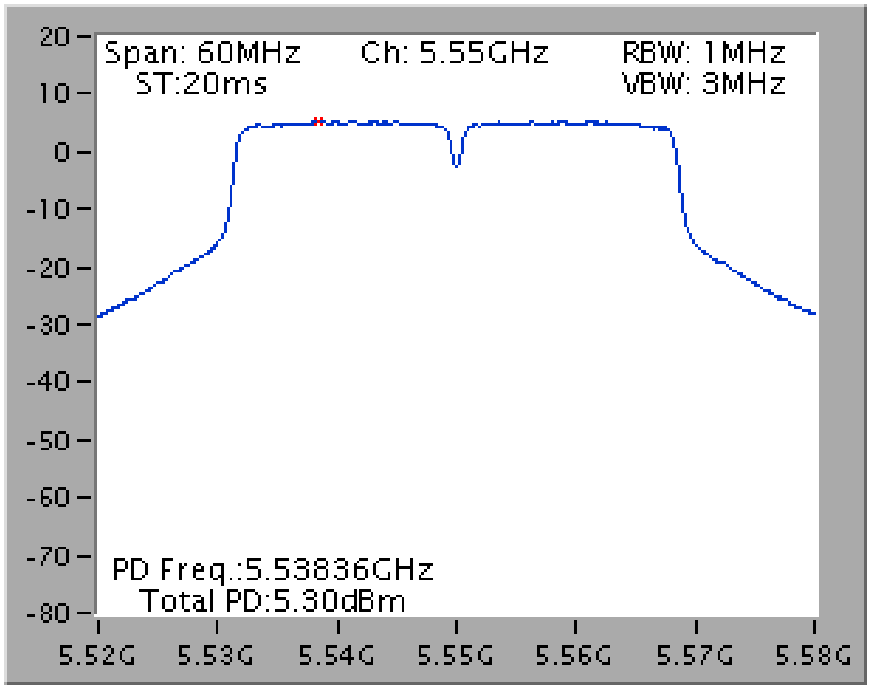
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



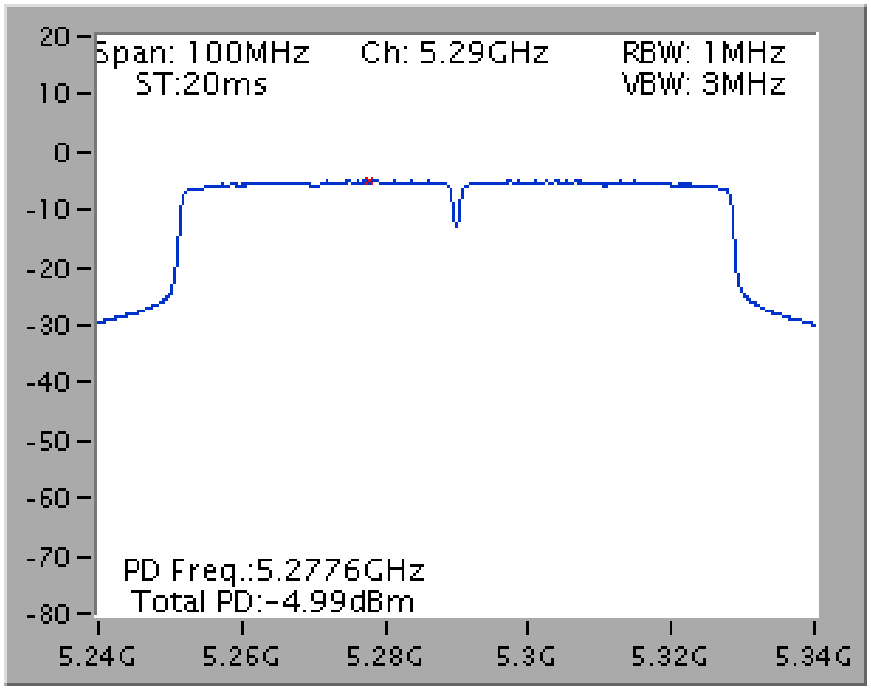
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



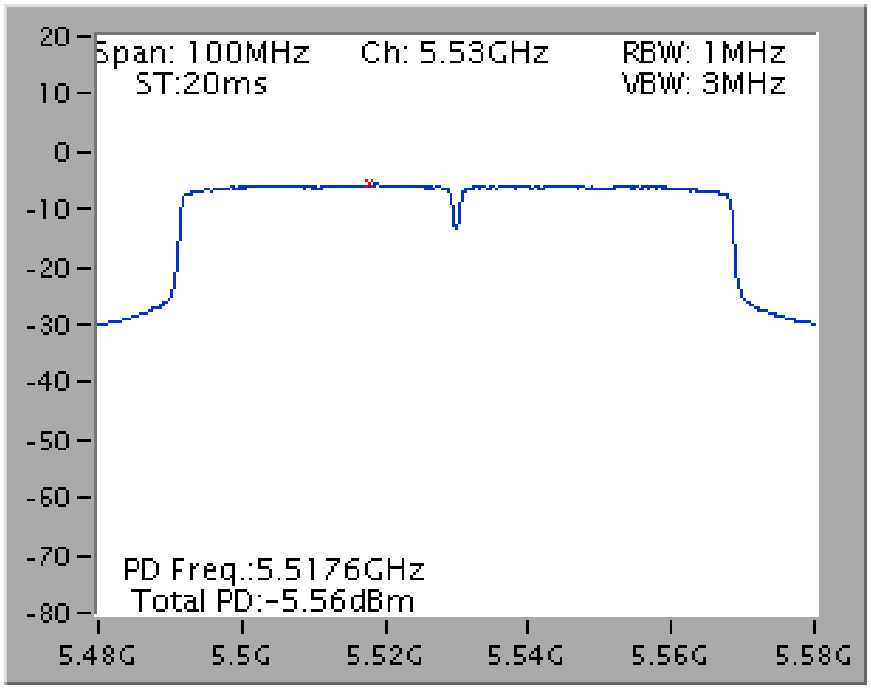
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



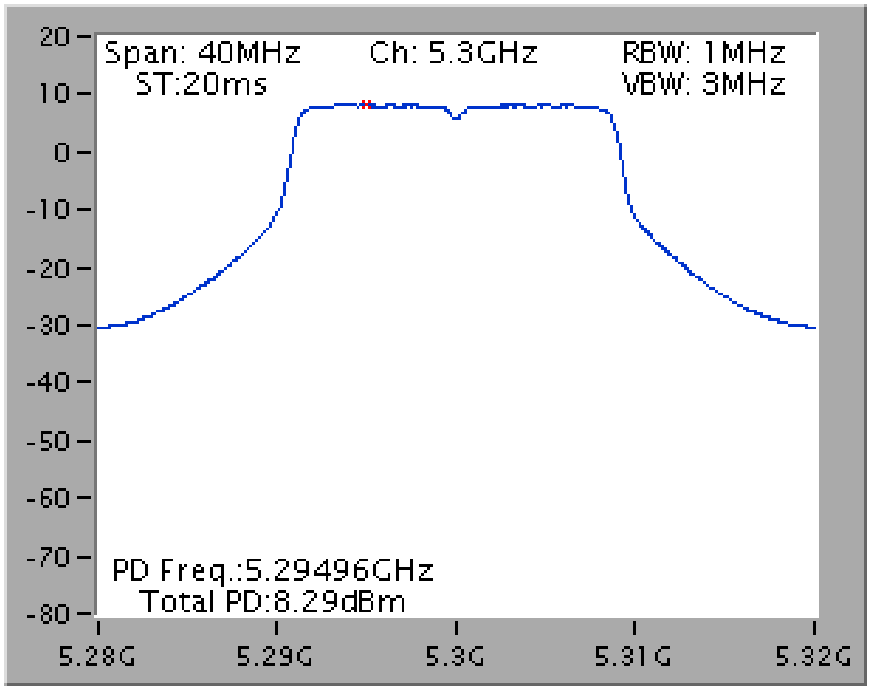
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



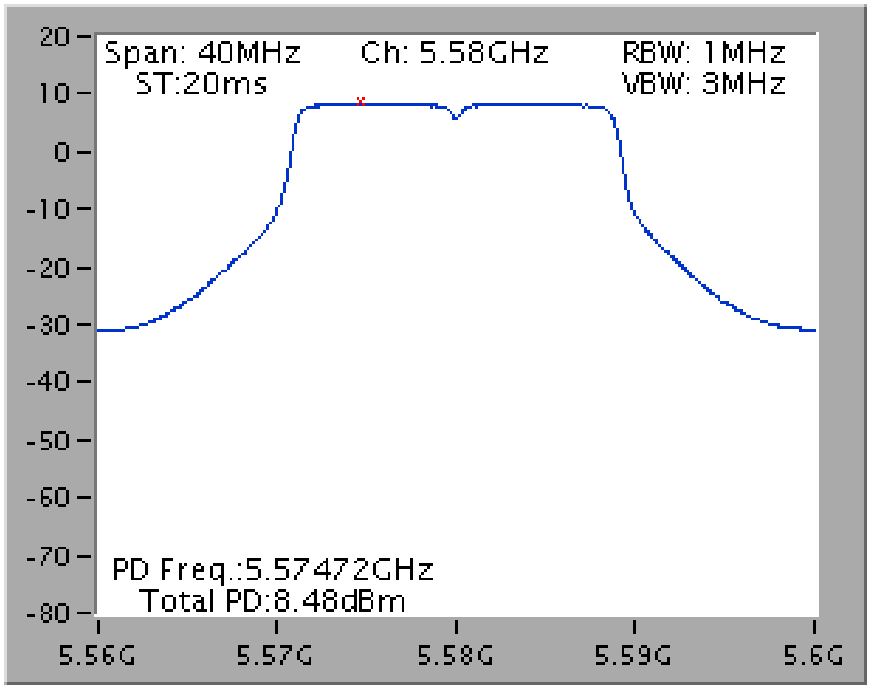
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



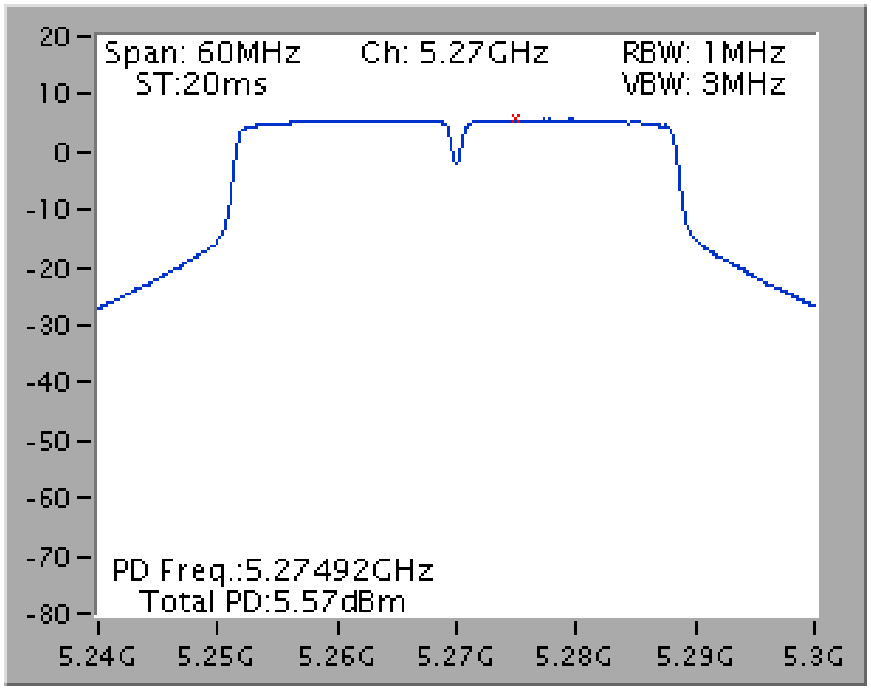
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



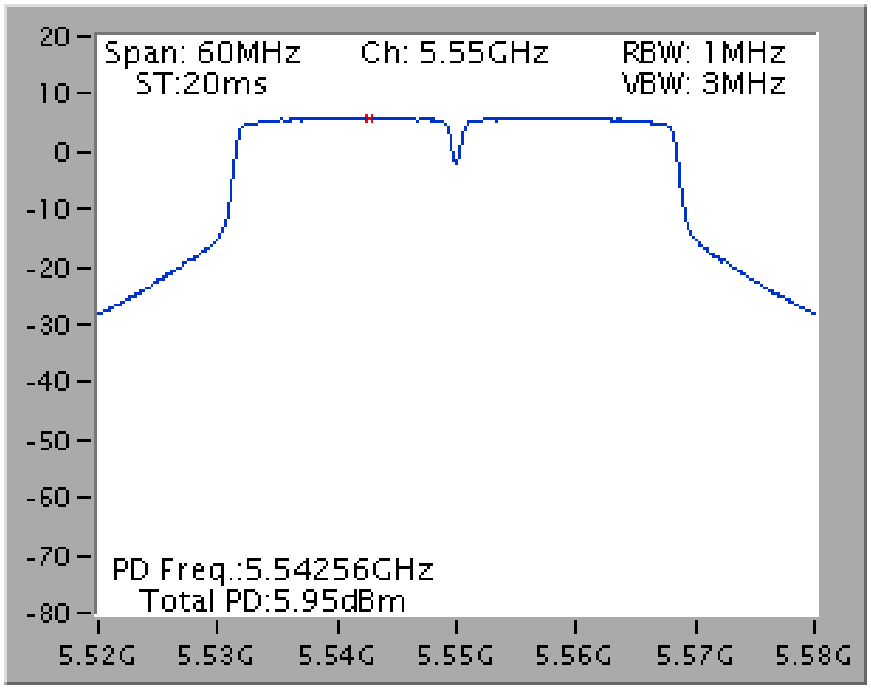
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



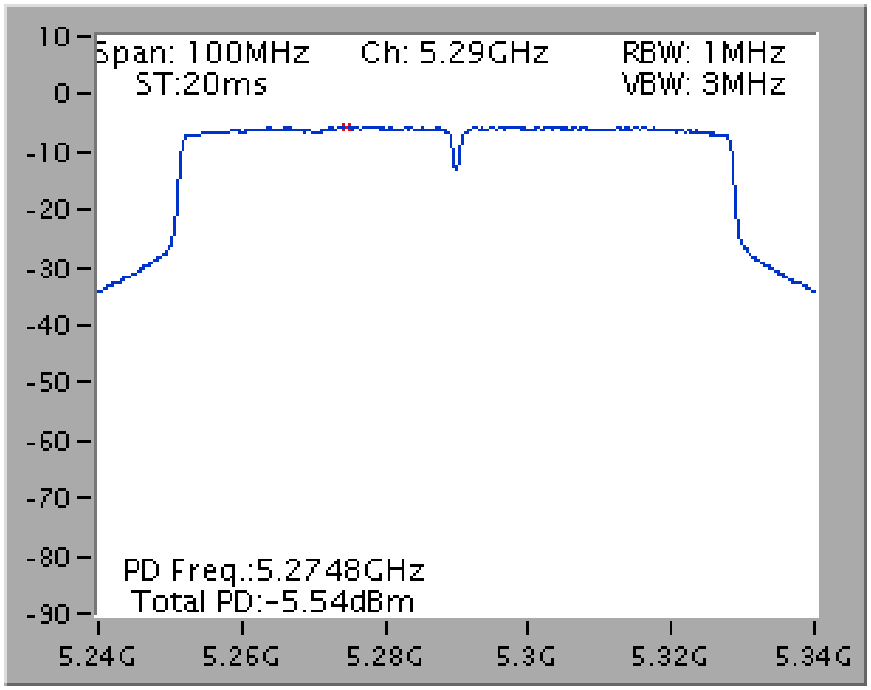
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



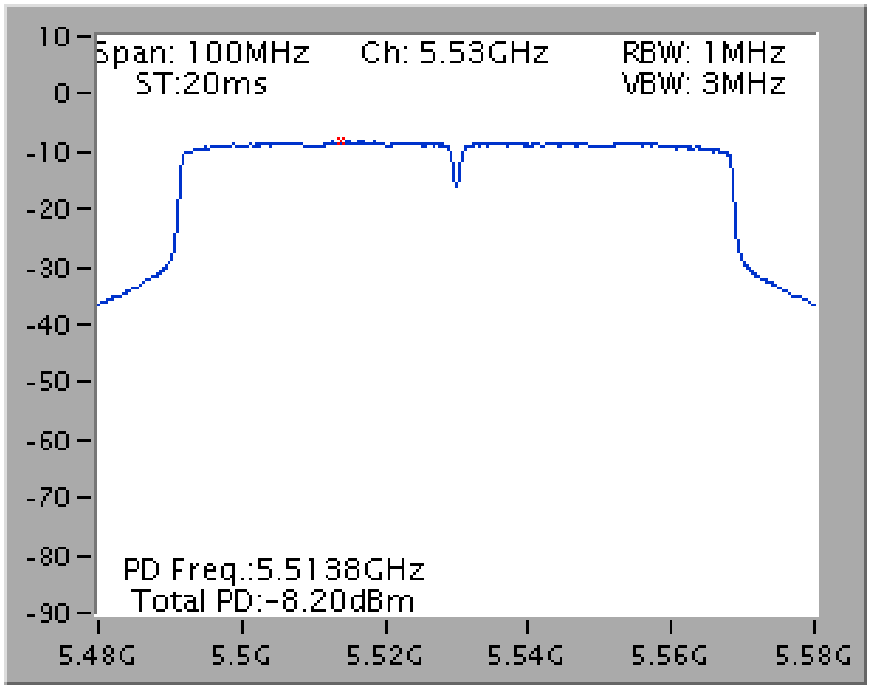
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



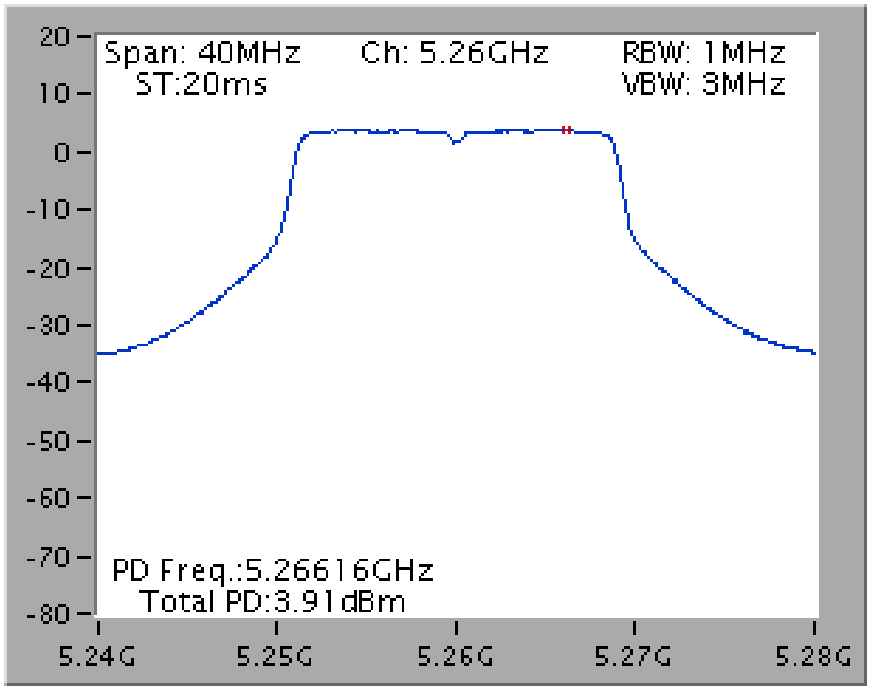
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



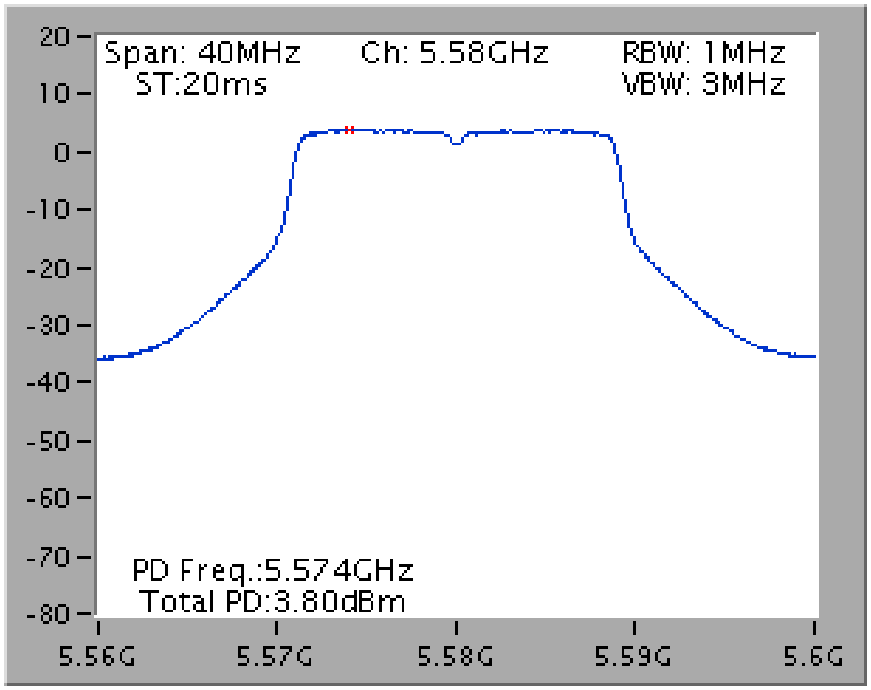
Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

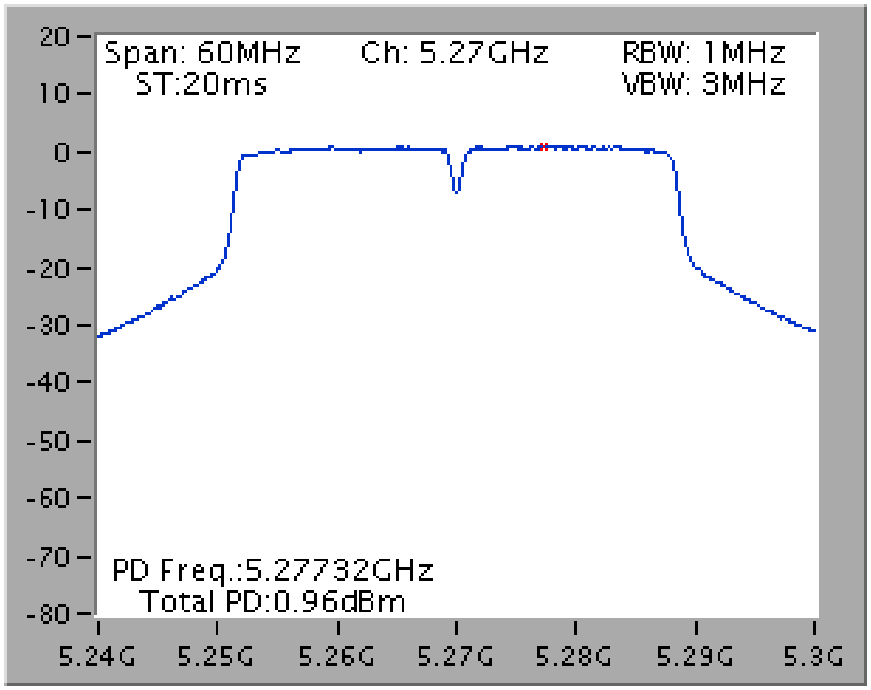
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



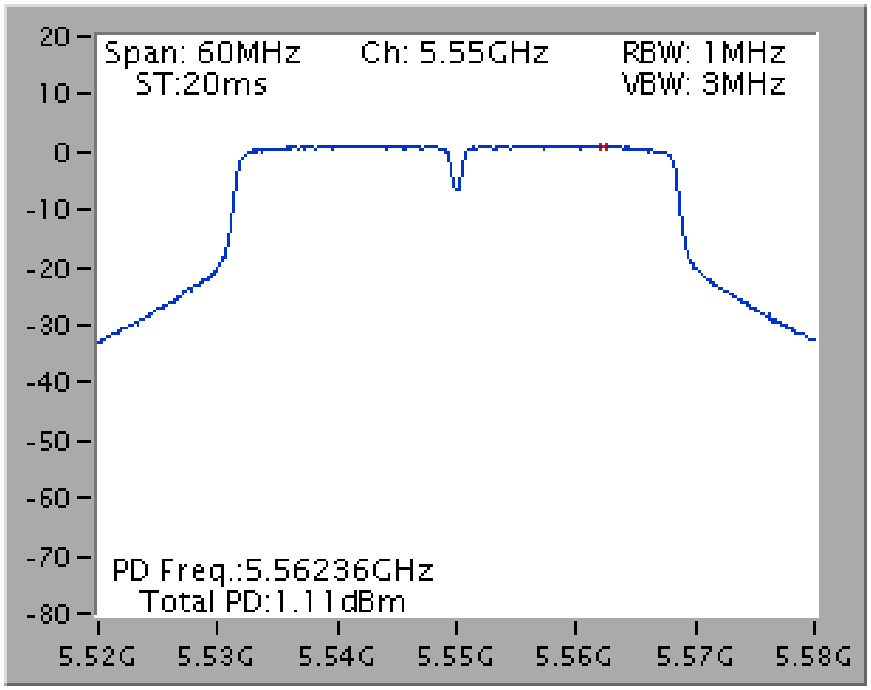
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



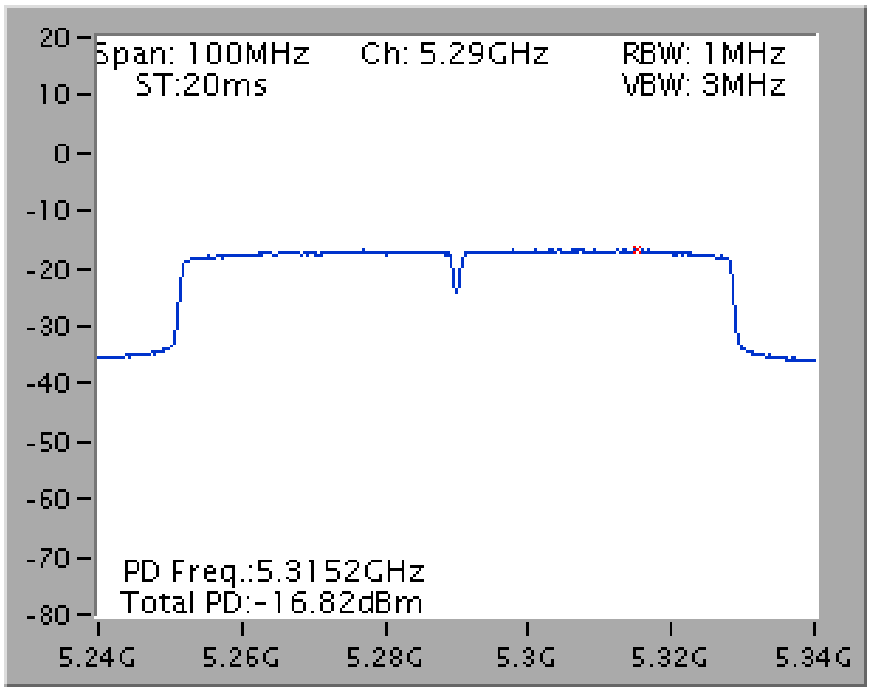
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



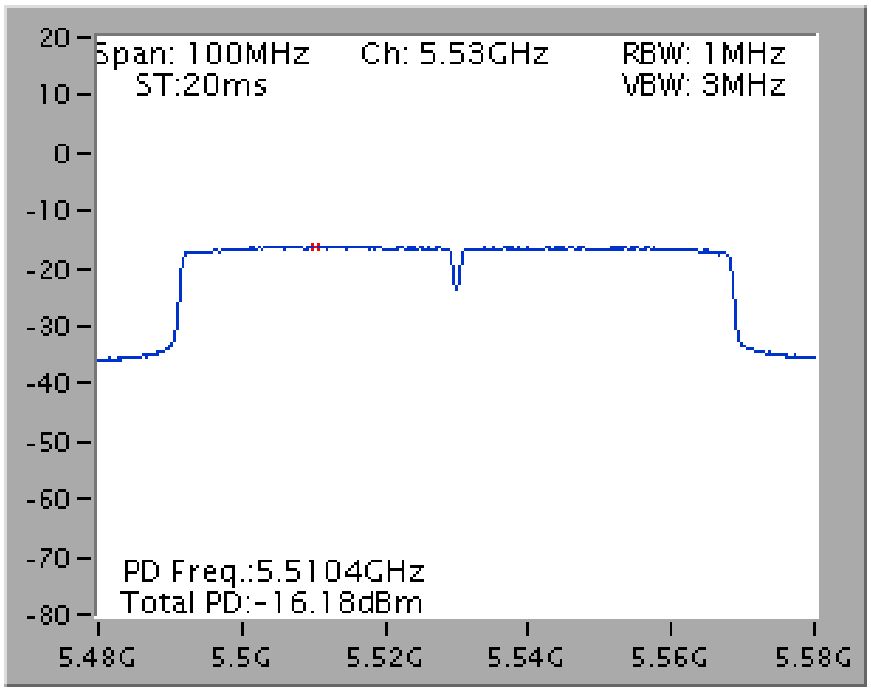
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

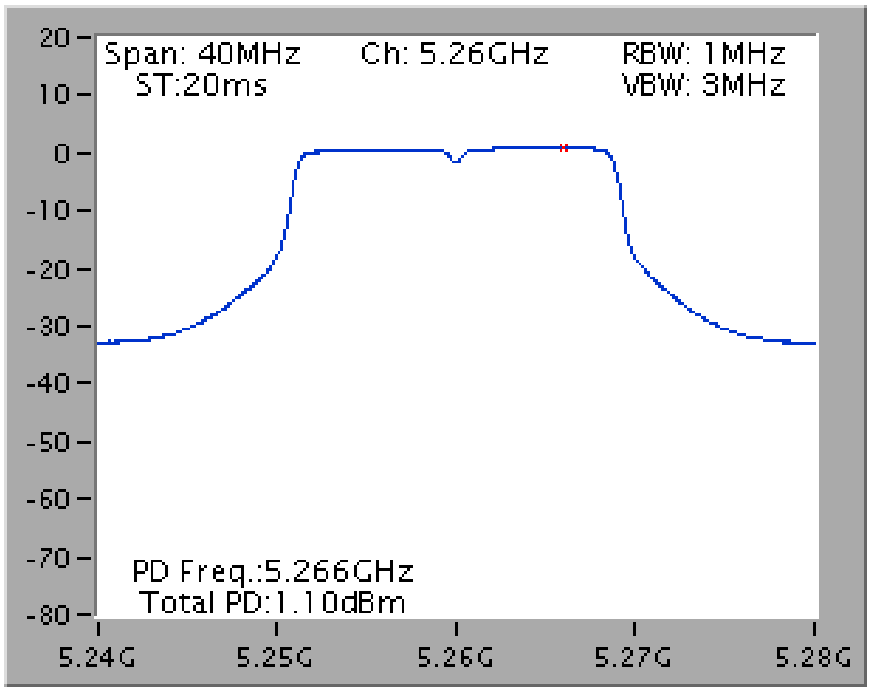


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

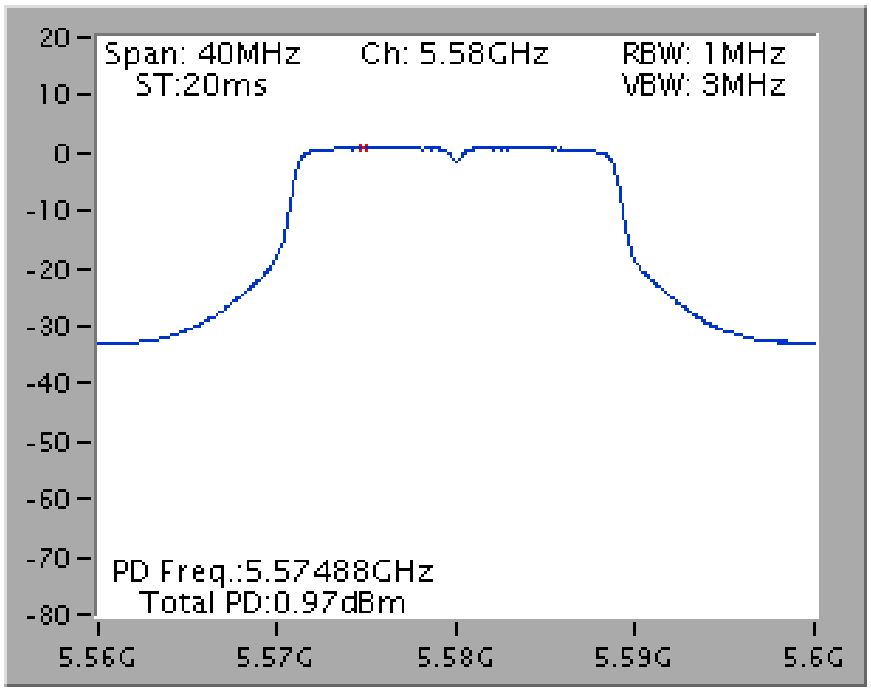


2TX

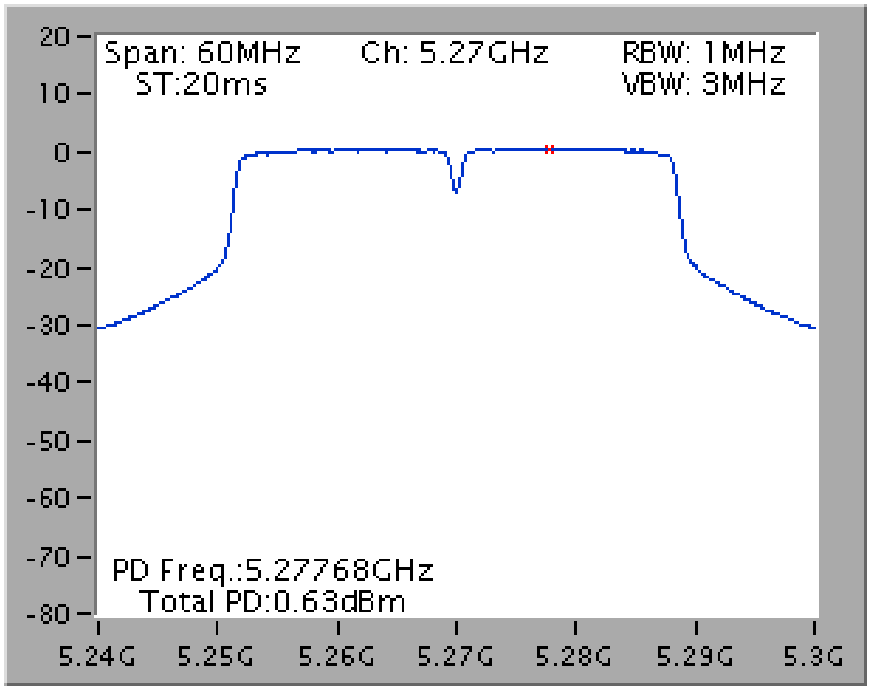
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



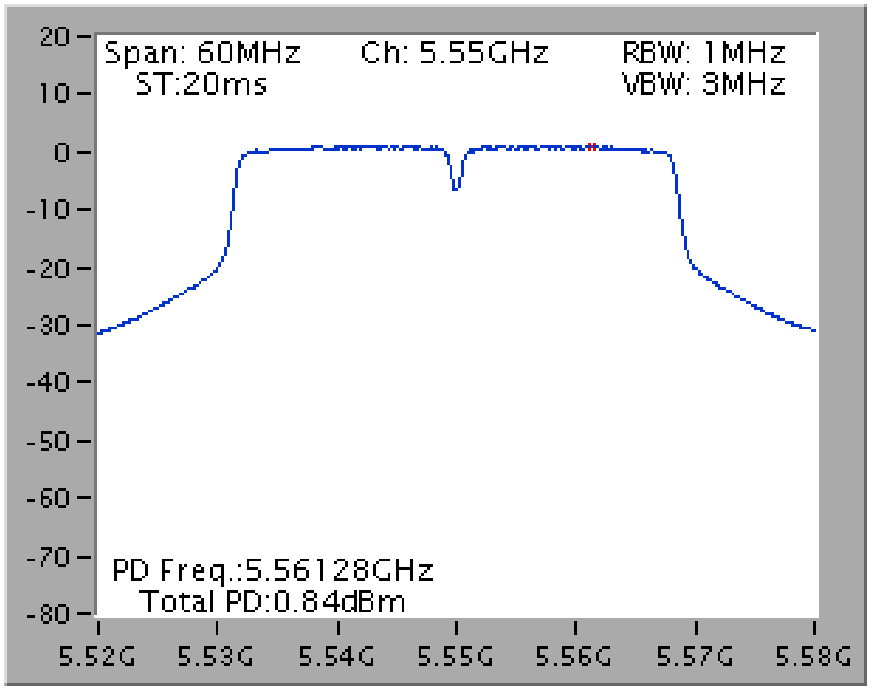
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



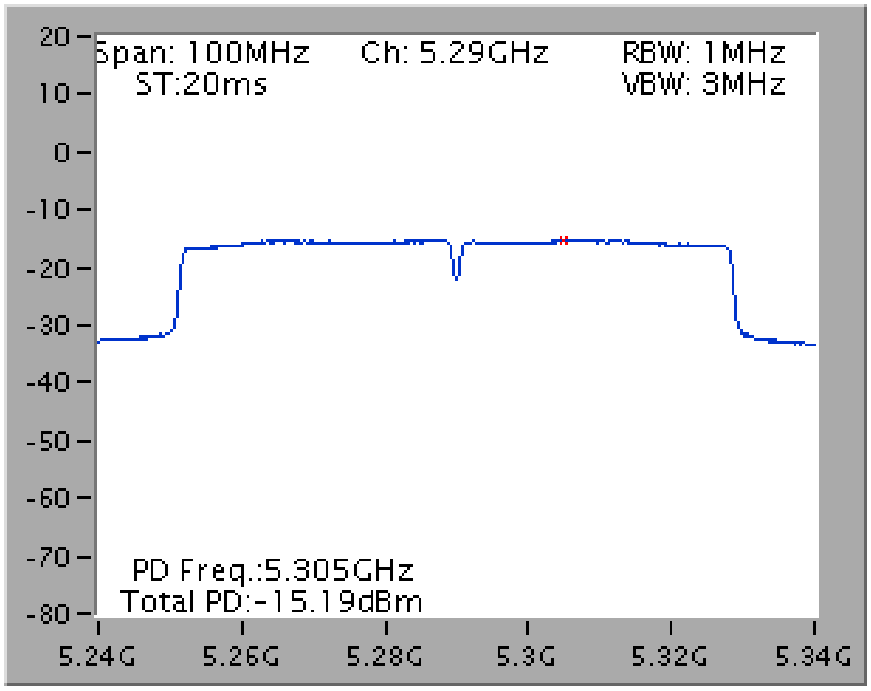
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



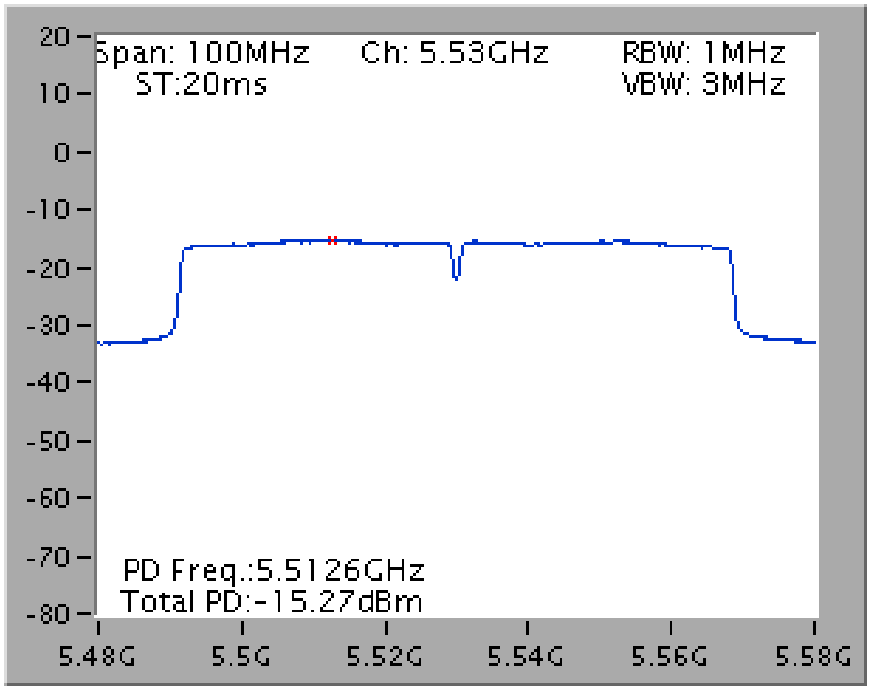
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



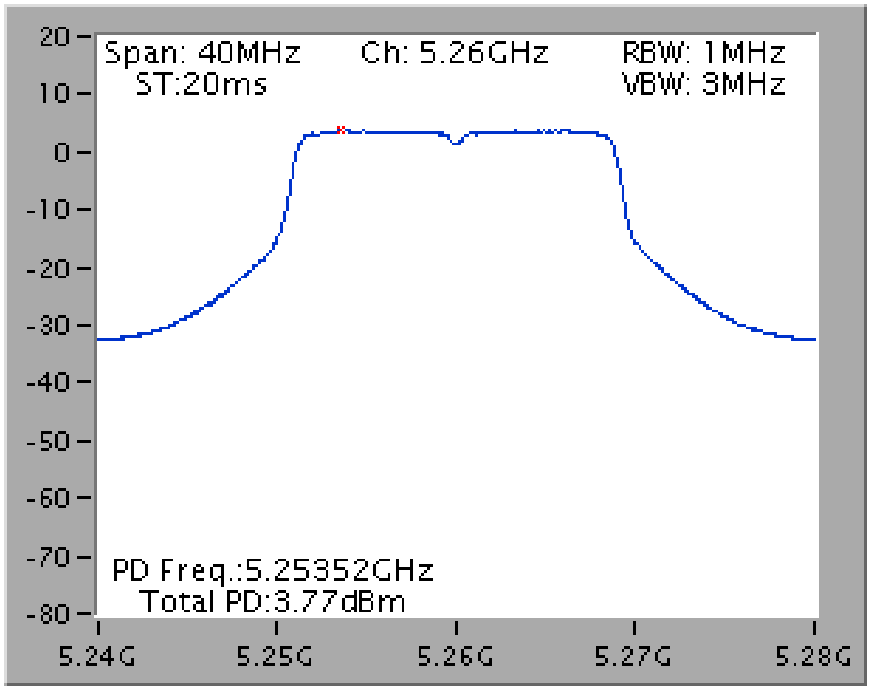
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



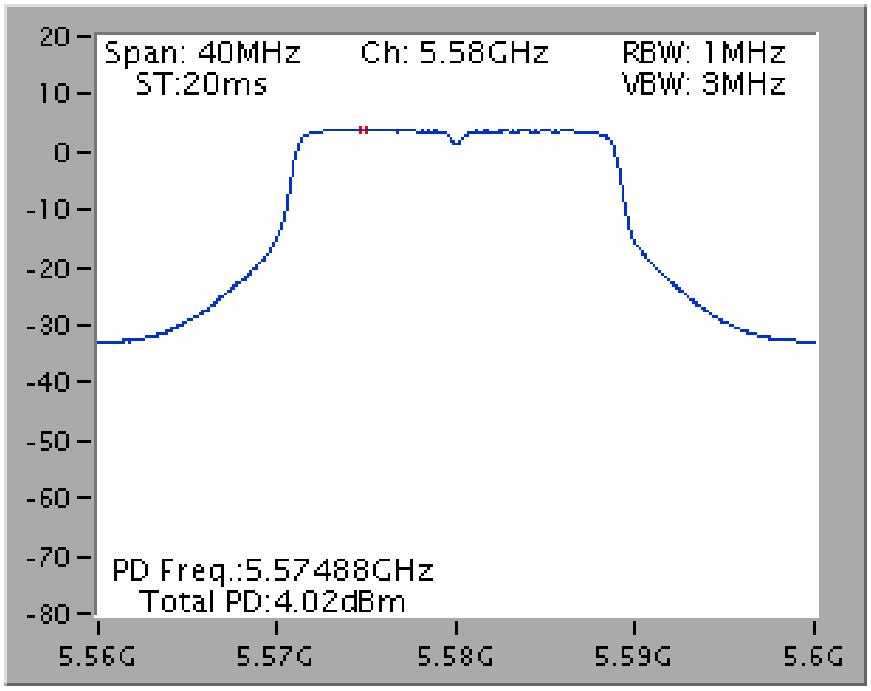
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



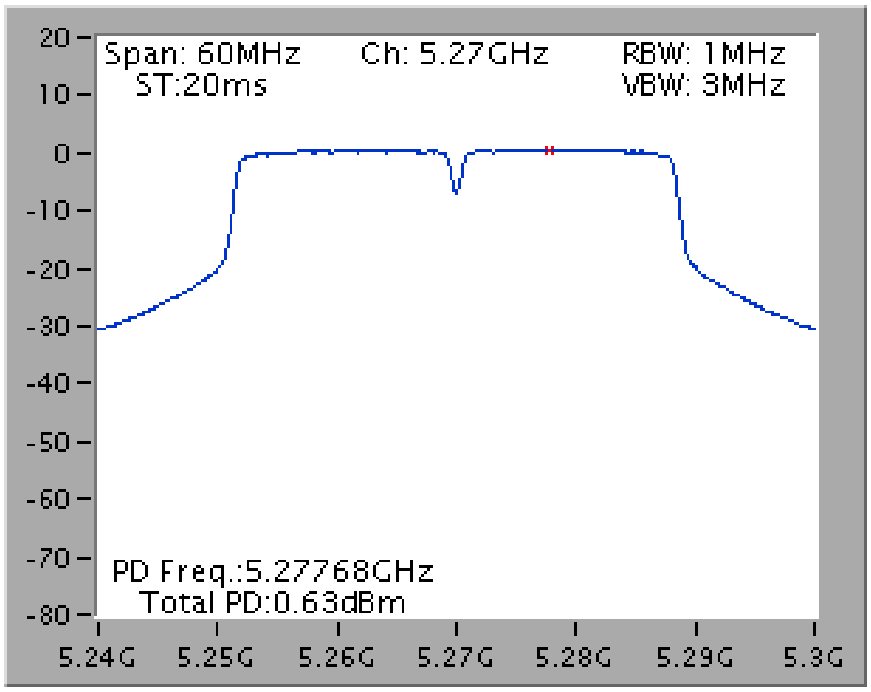
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



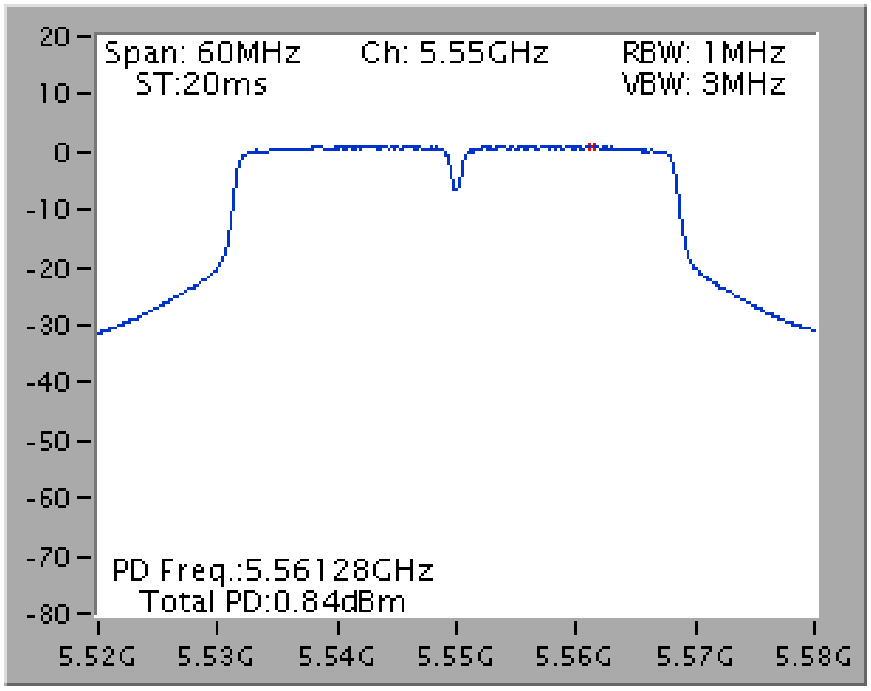
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



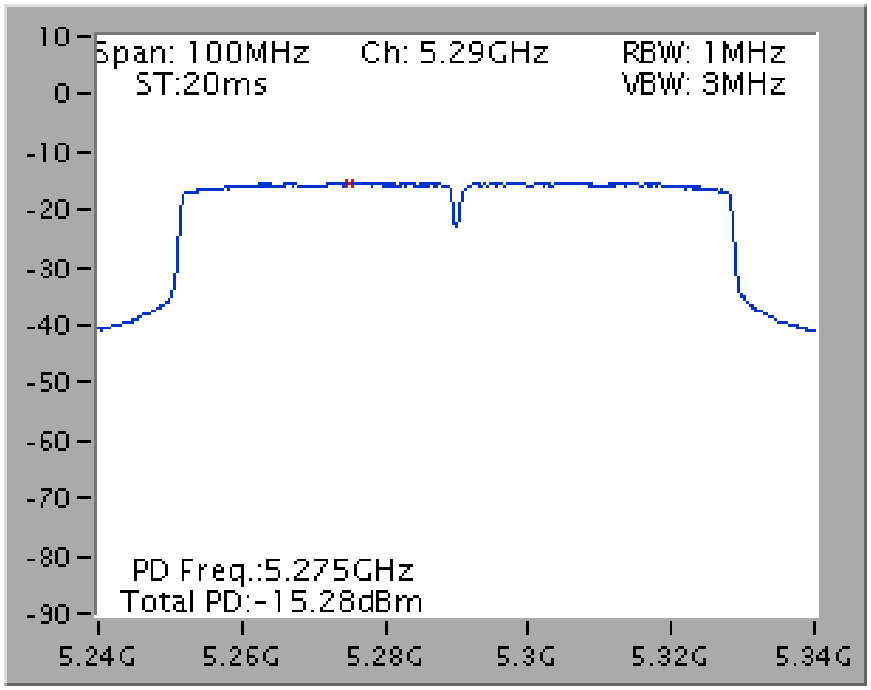
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



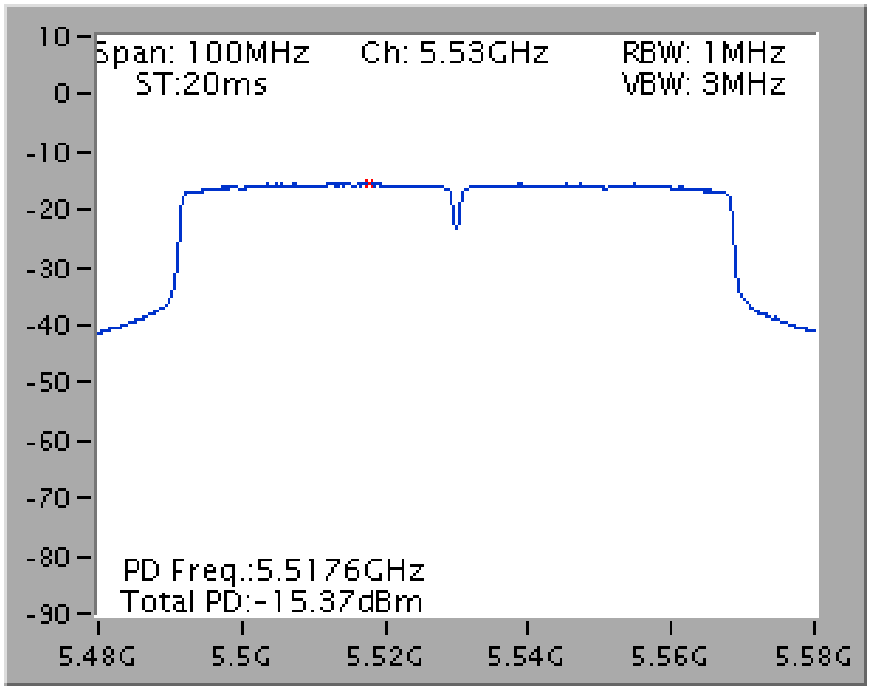
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



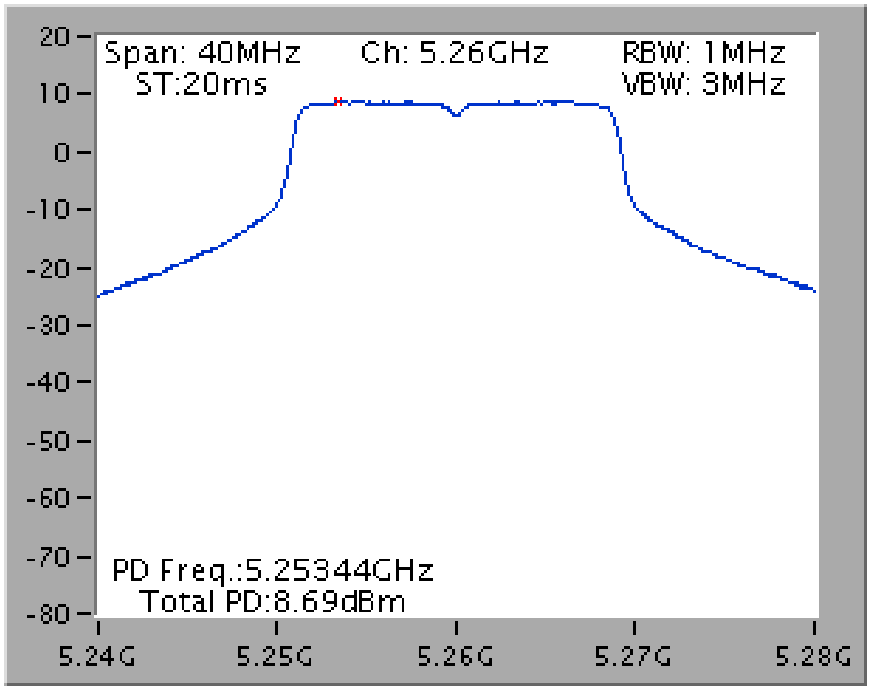
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



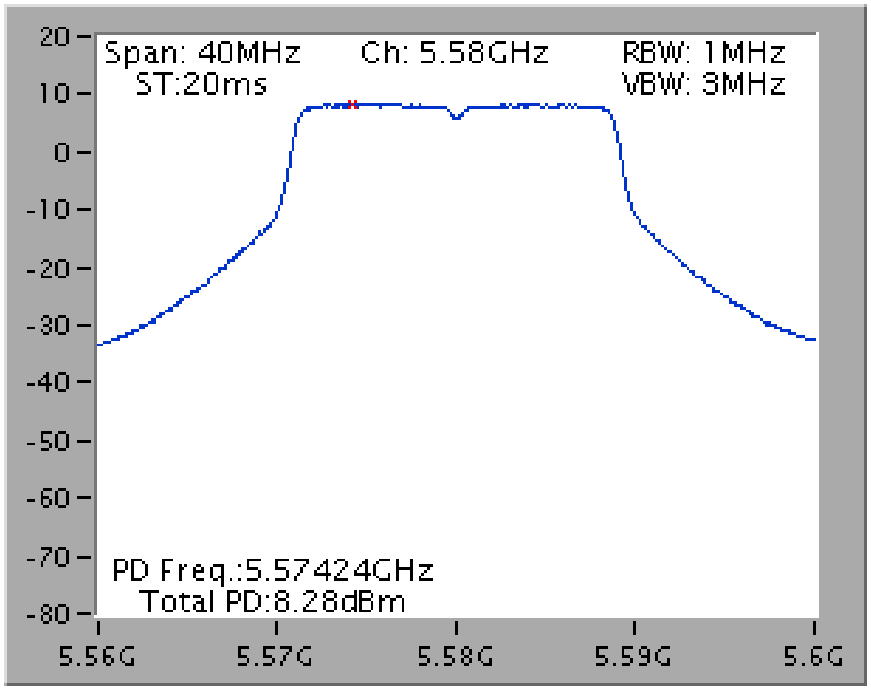
Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

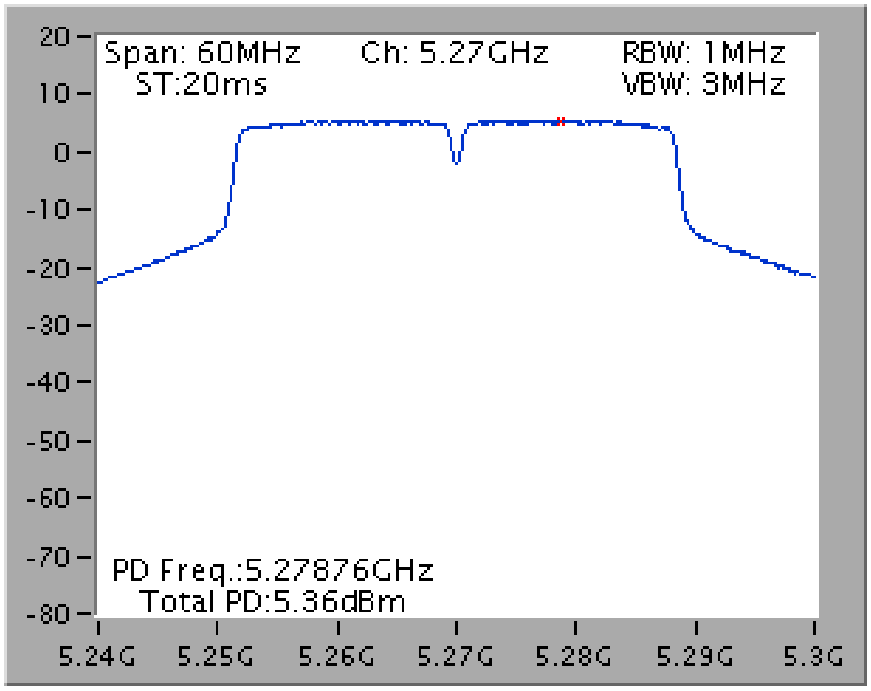
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



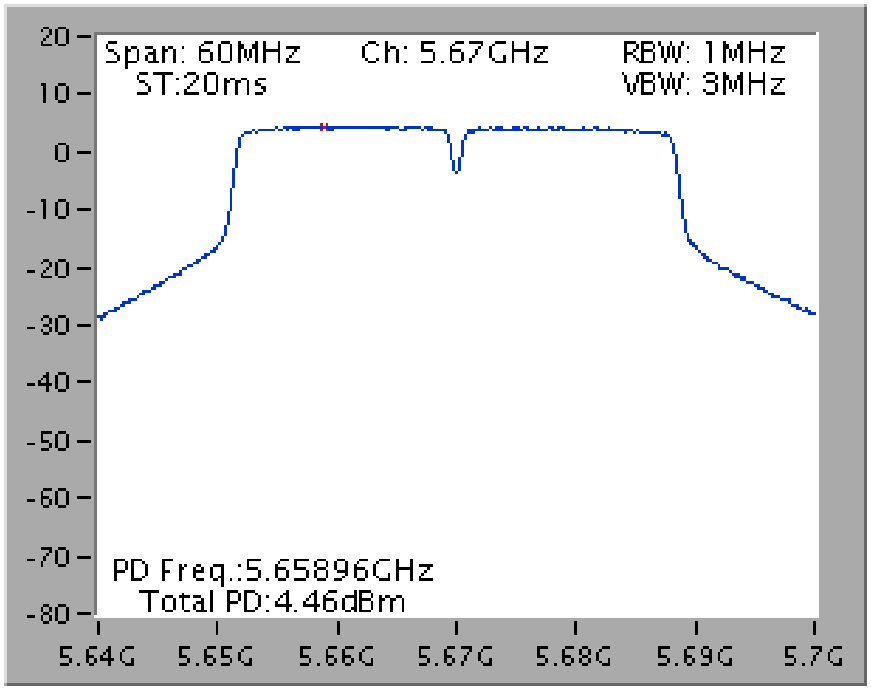
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



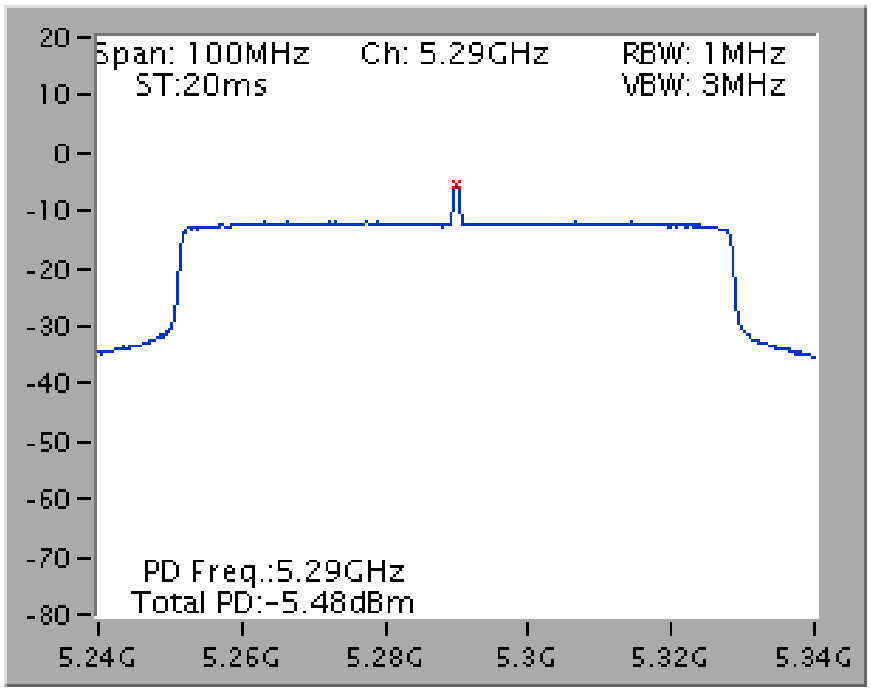
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



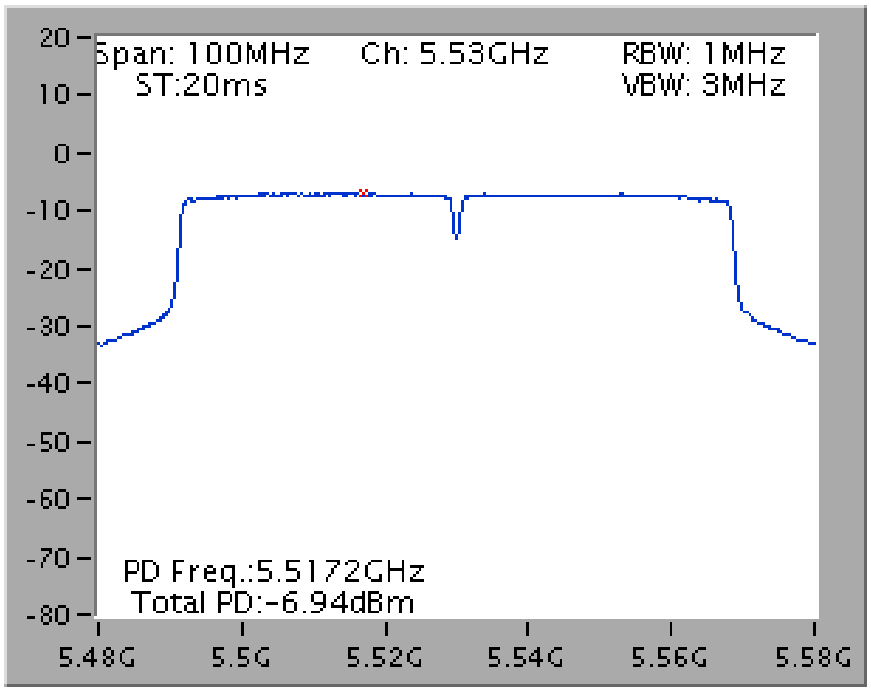
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

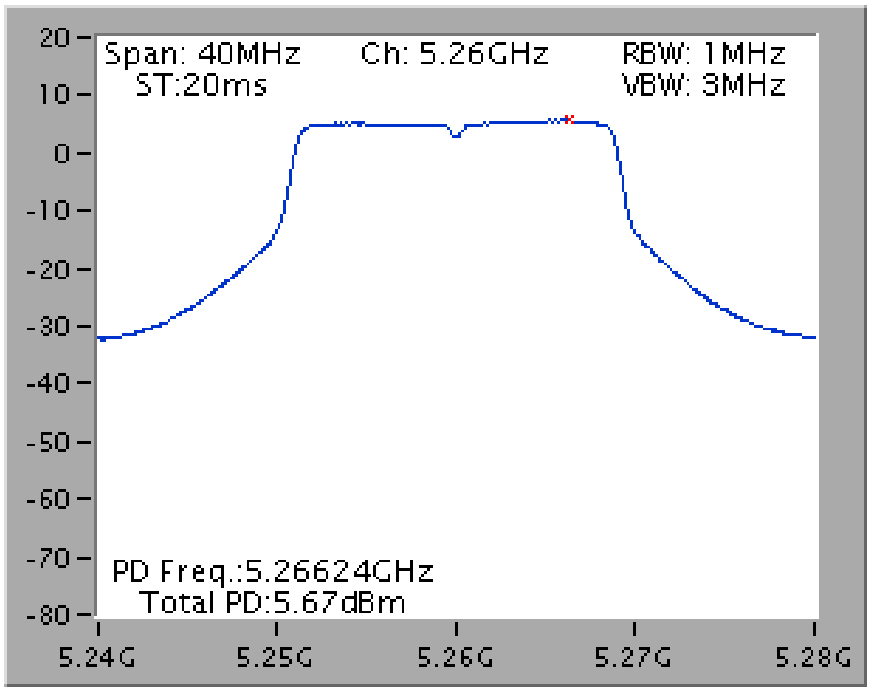


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

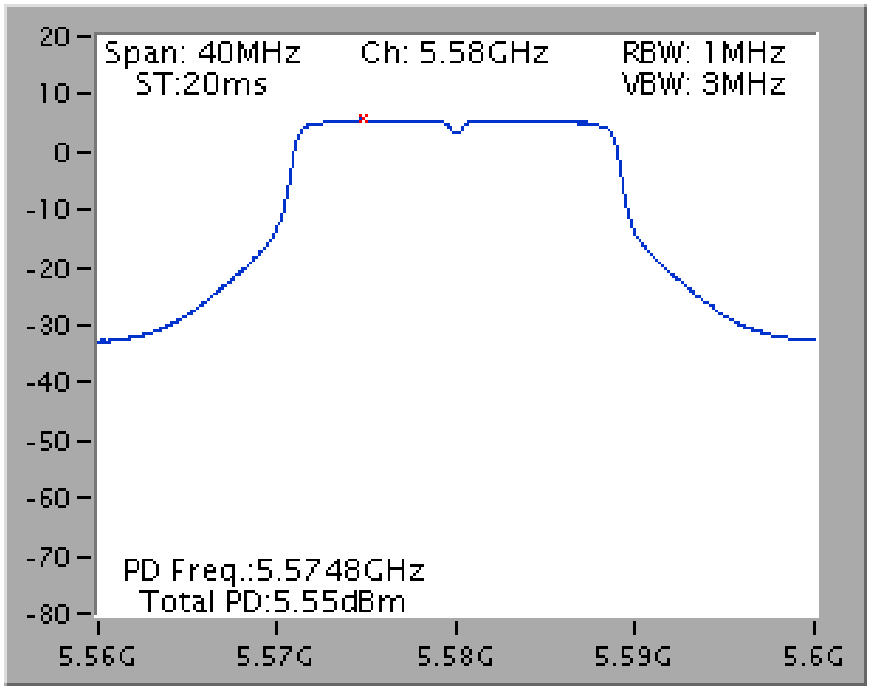


2TX

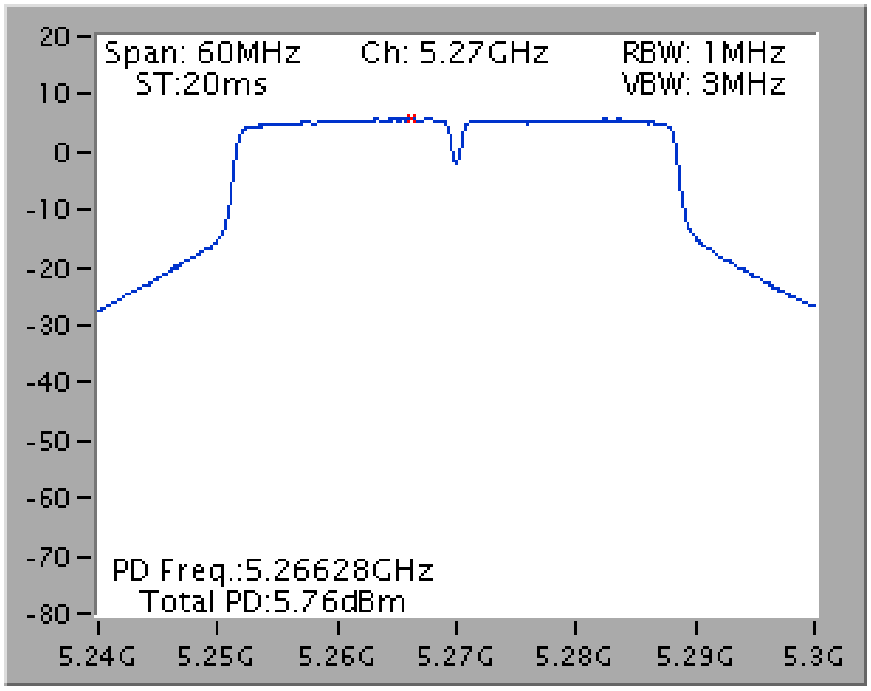
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



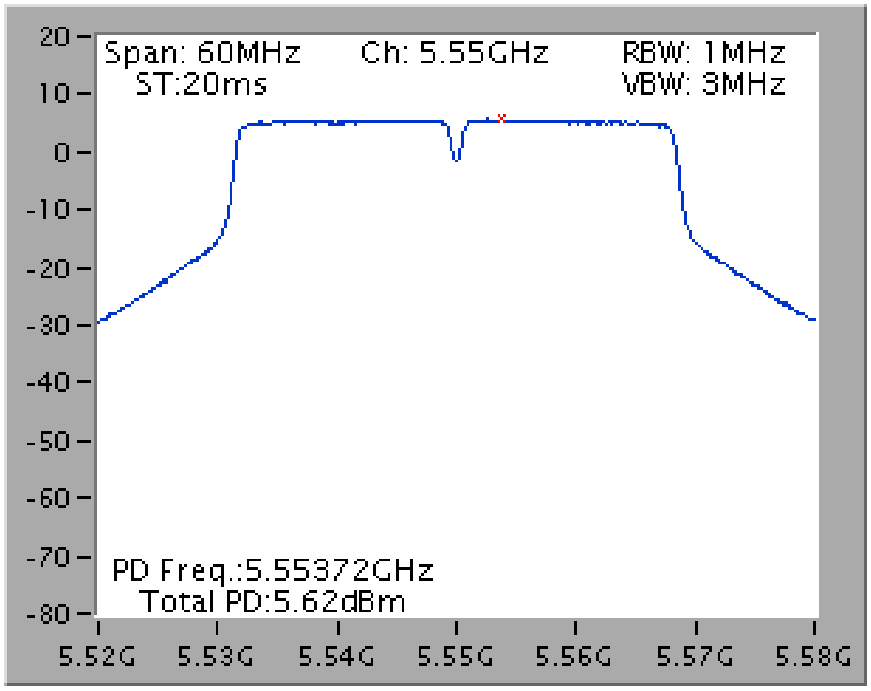
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



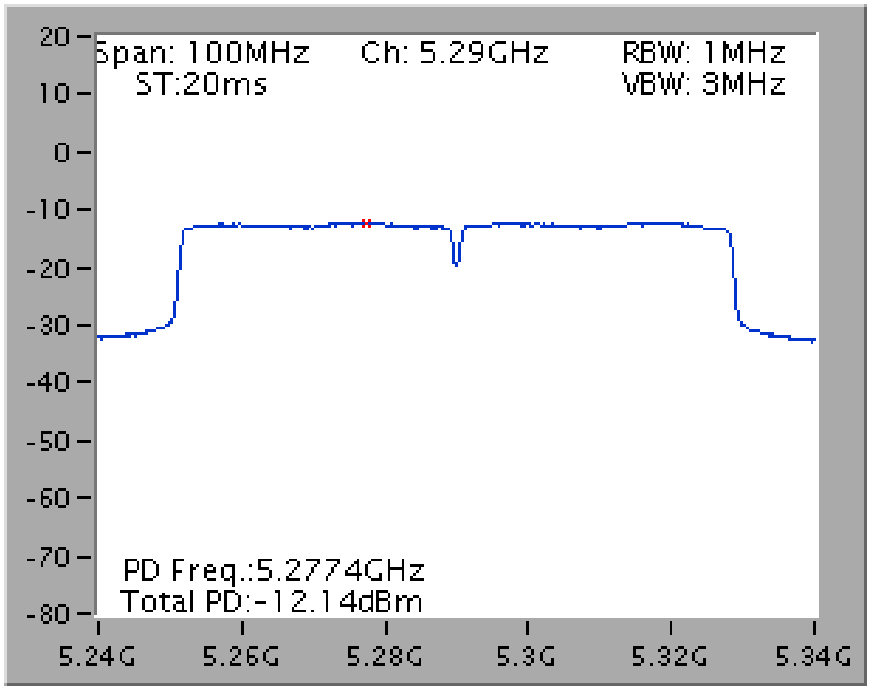
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



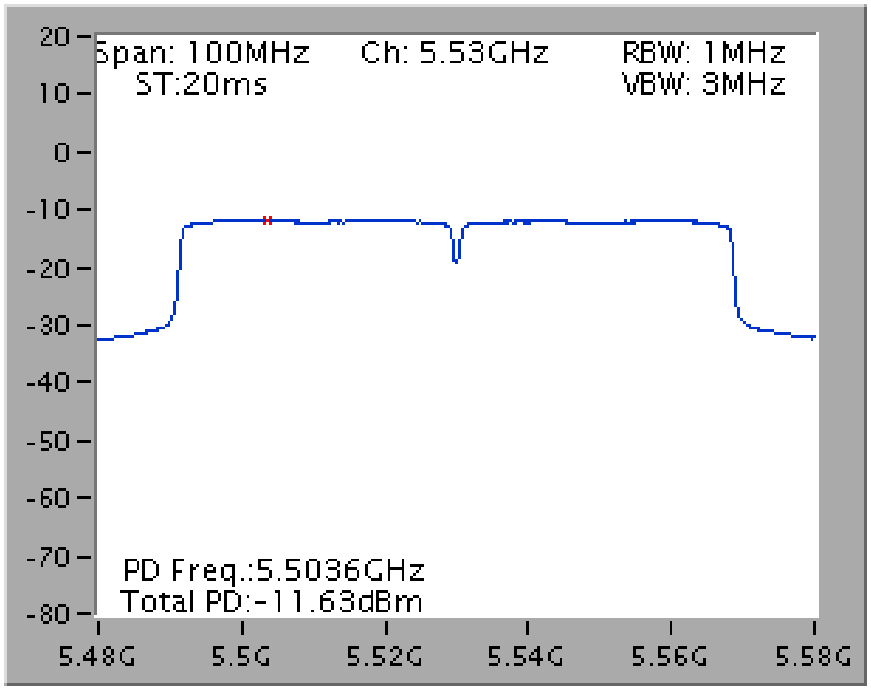
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



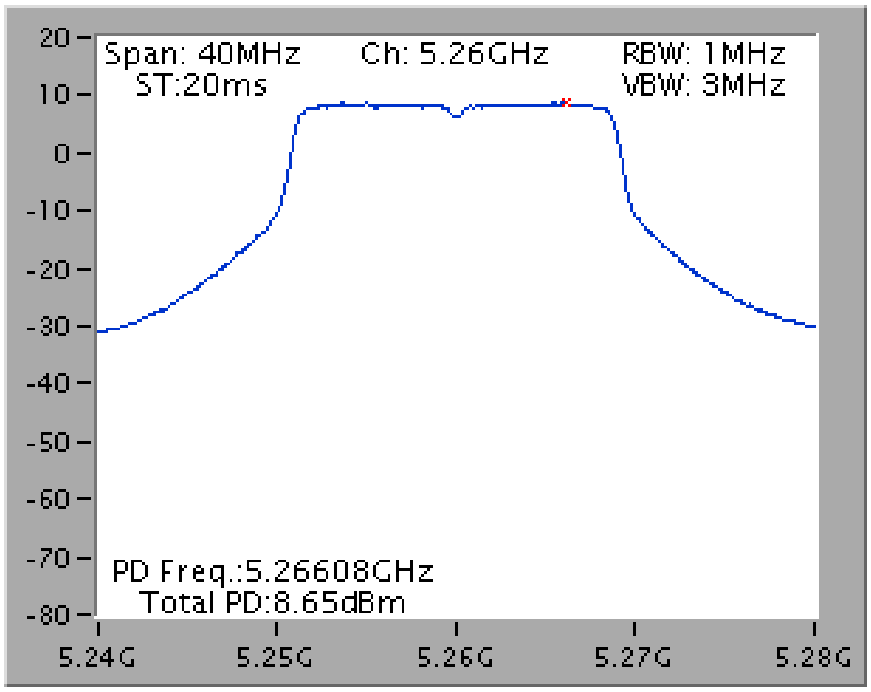
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



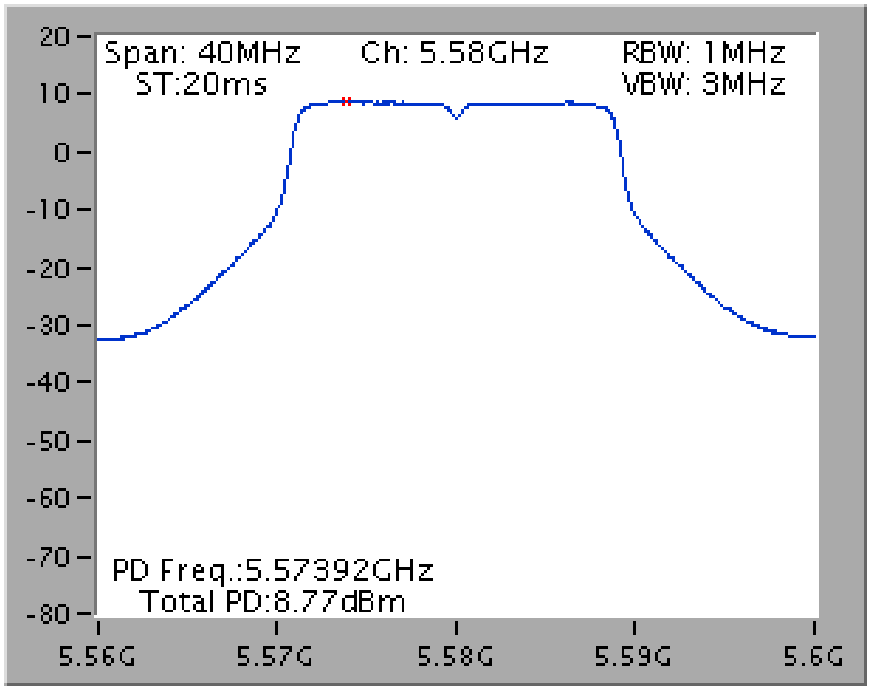
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



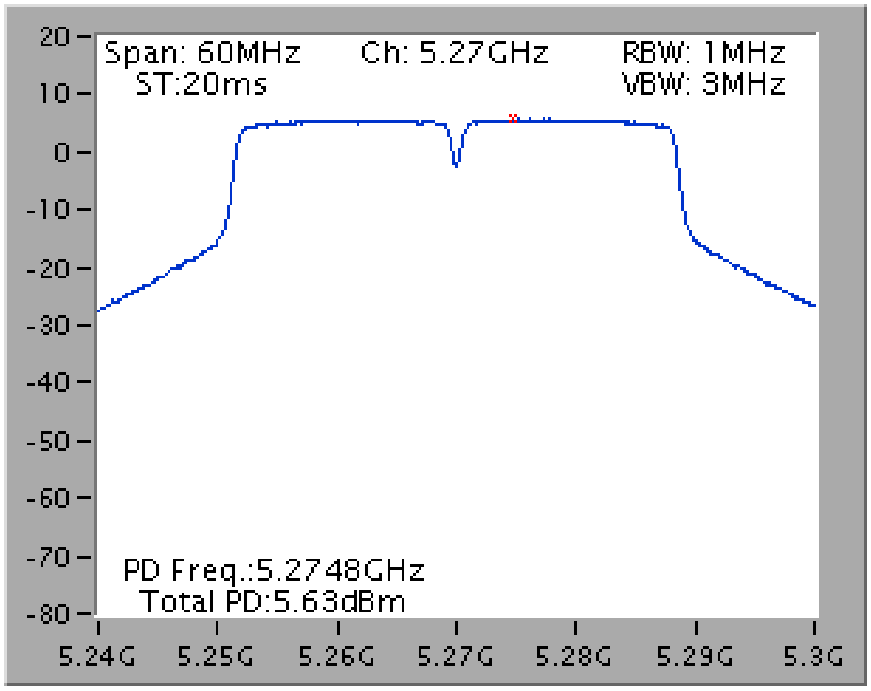
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



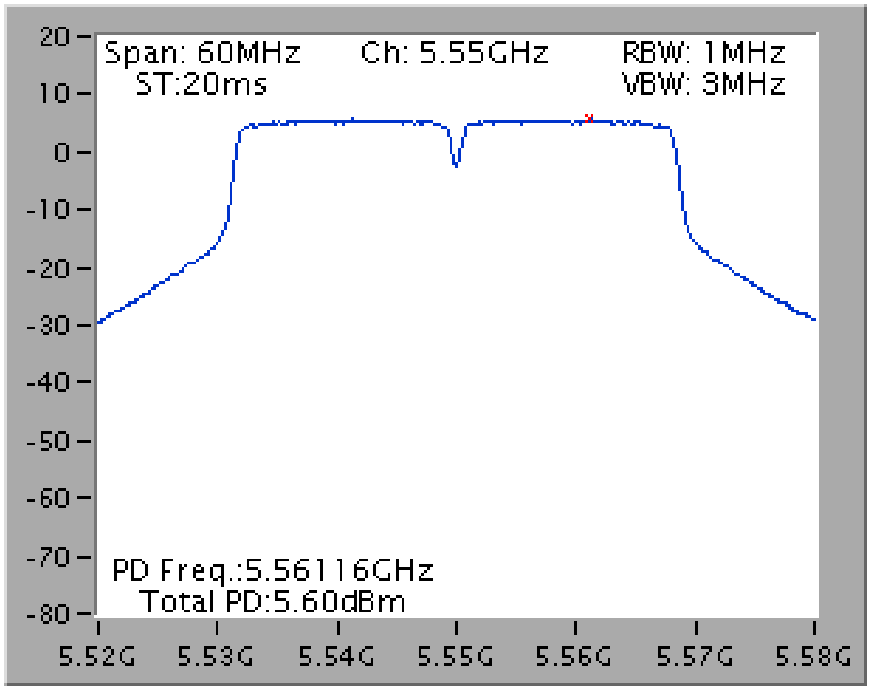
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



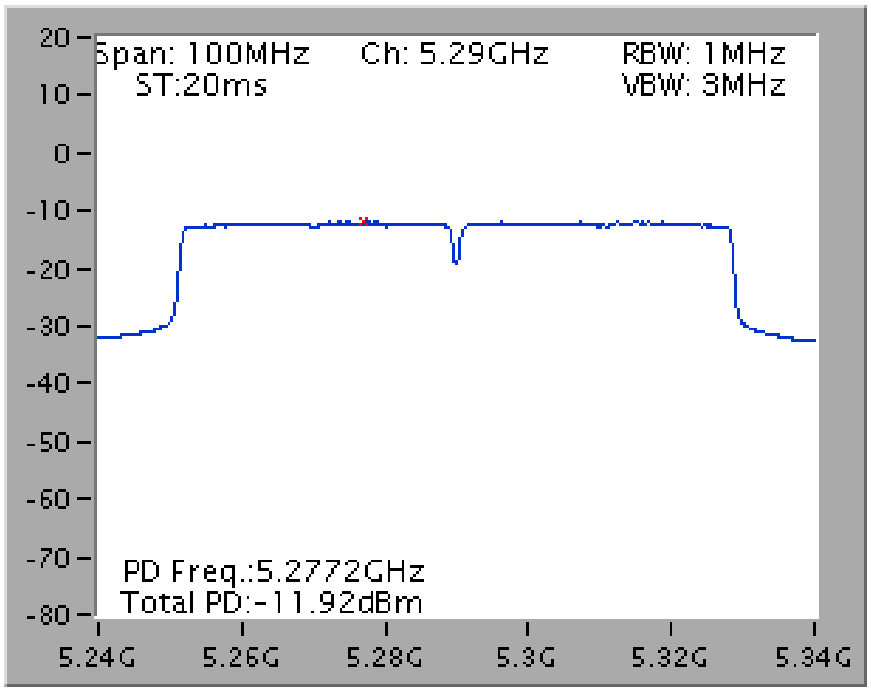
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



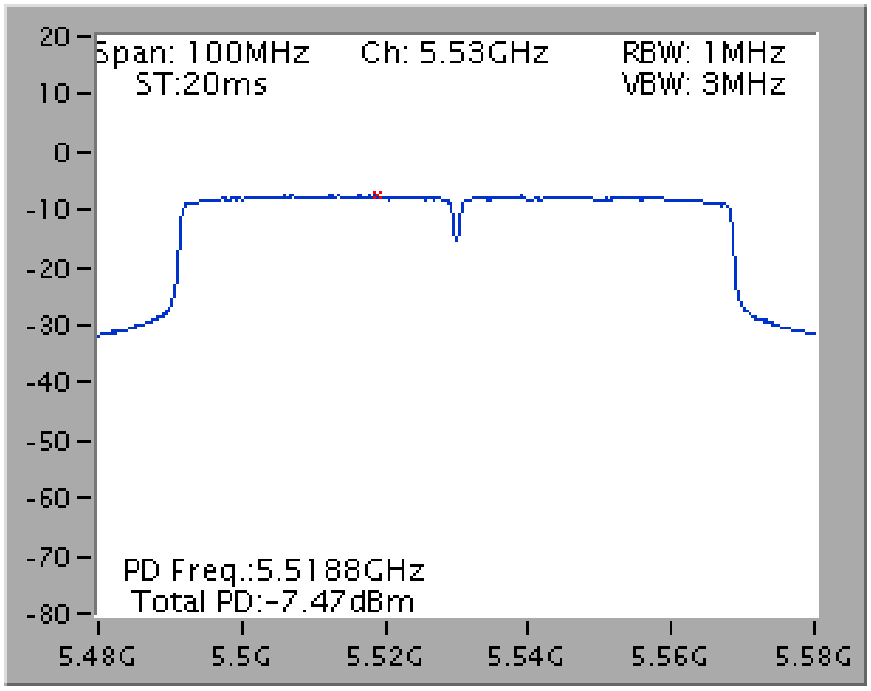
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz

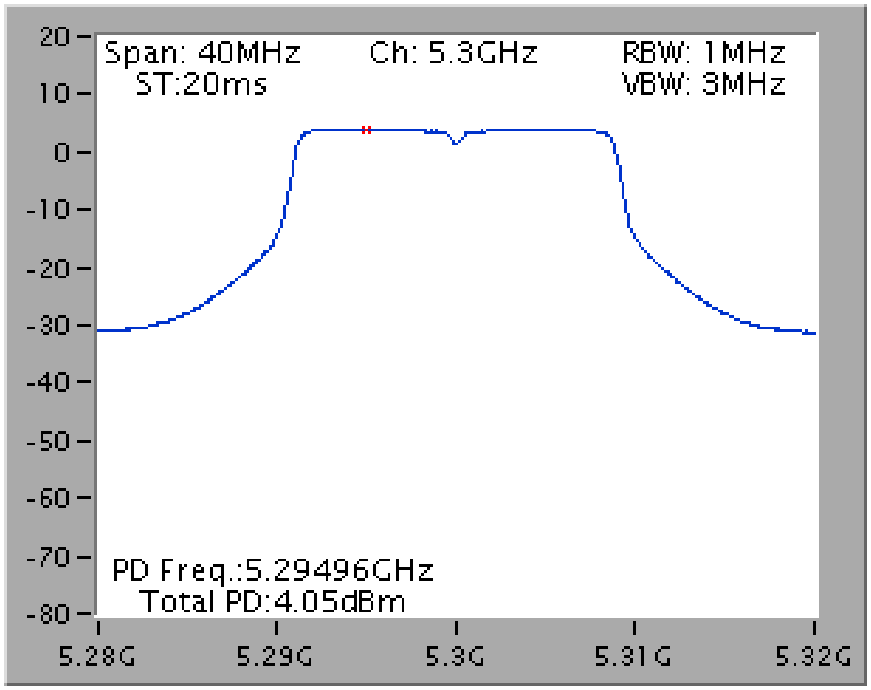


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

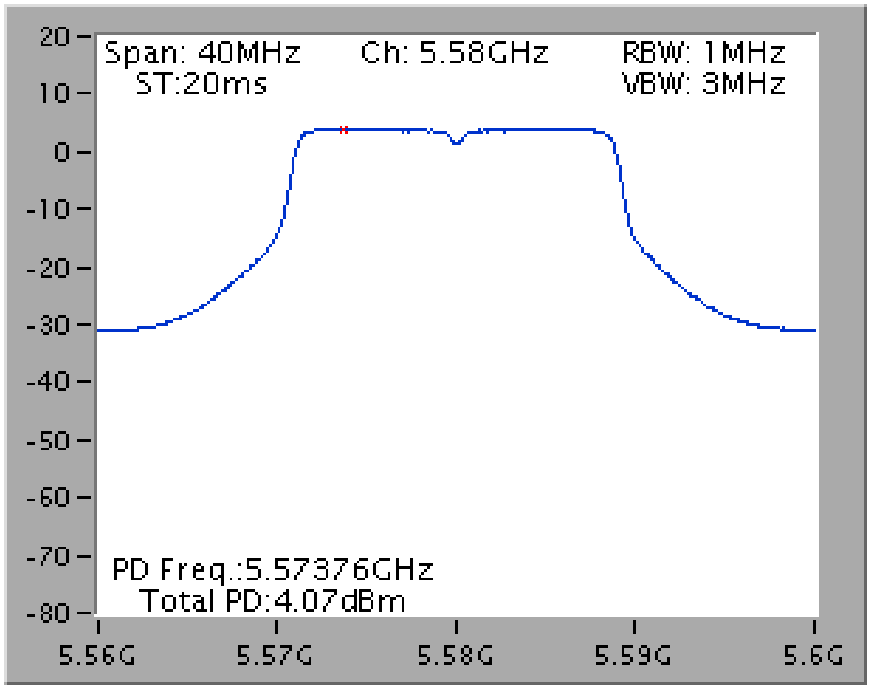


3TX

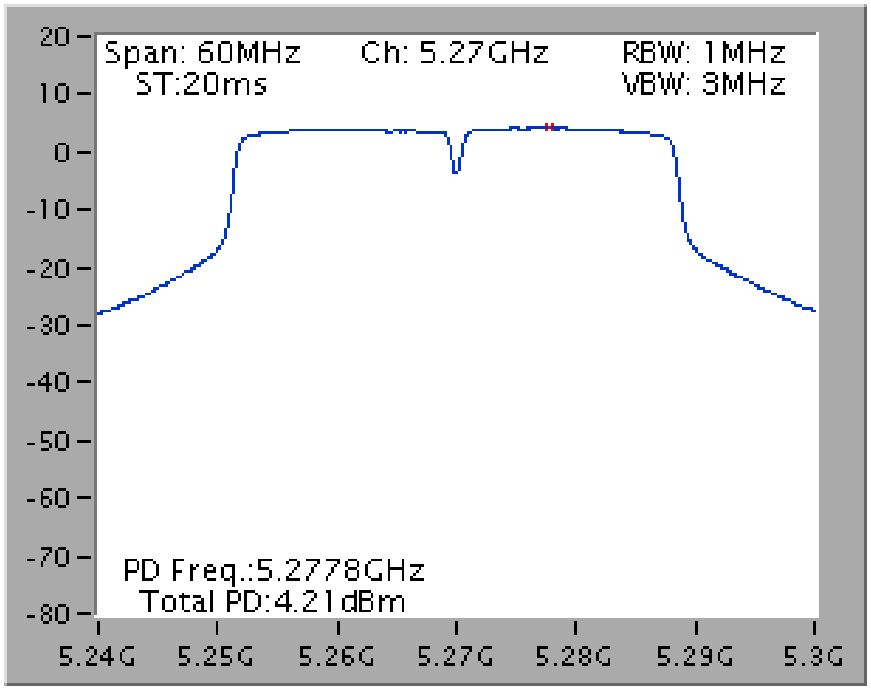
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



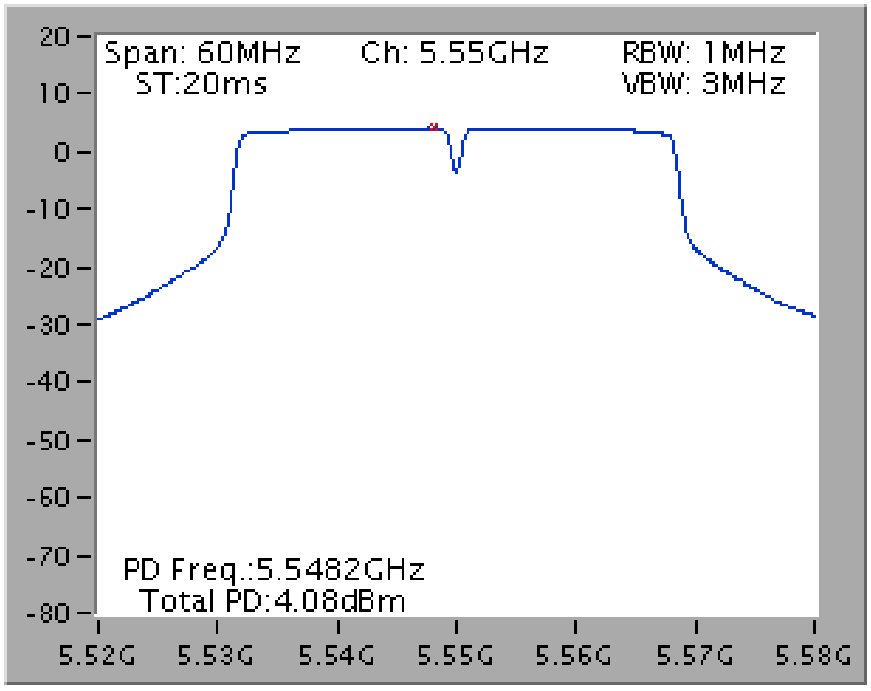
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



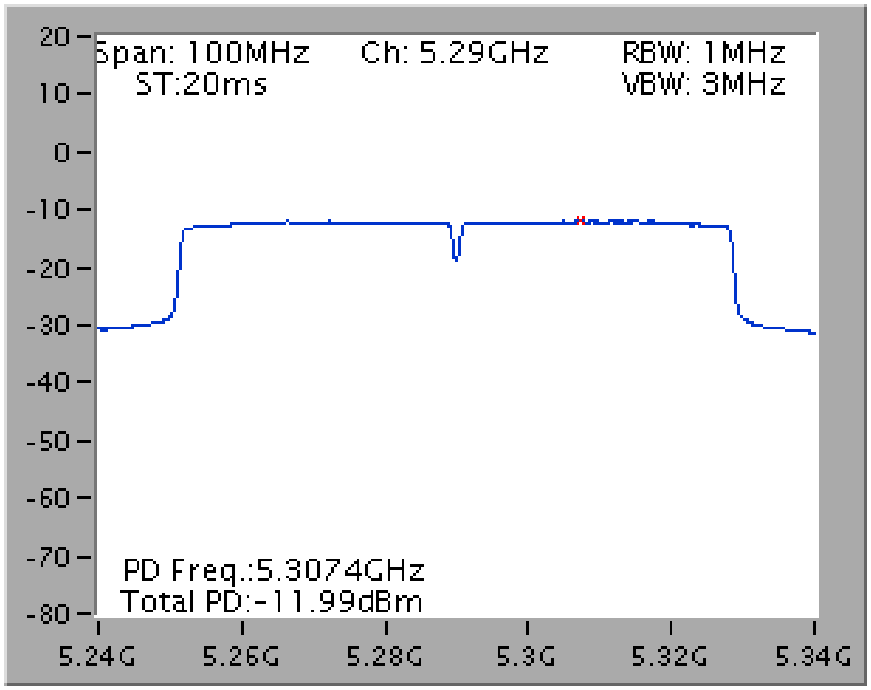
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



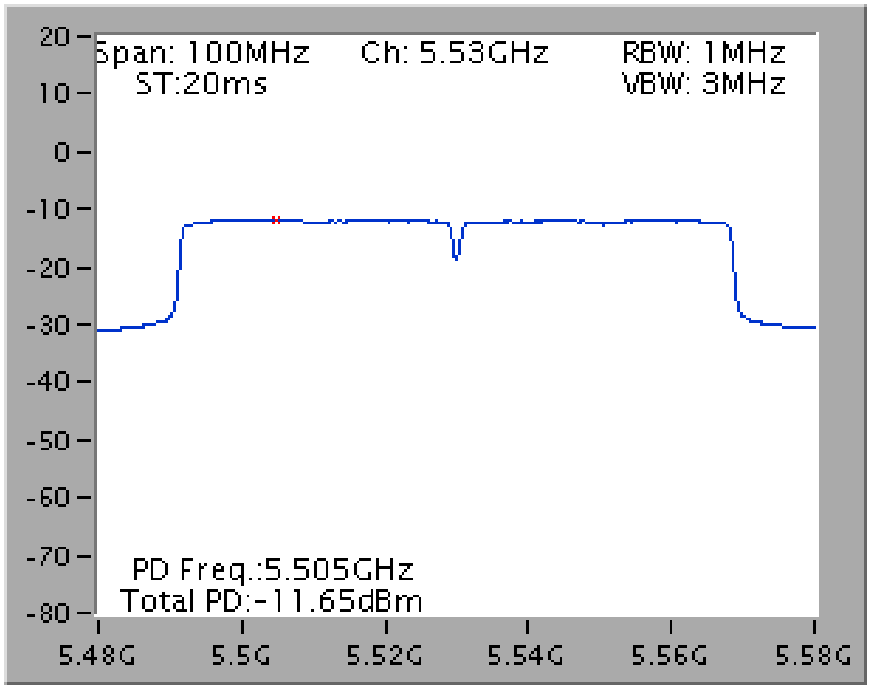
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



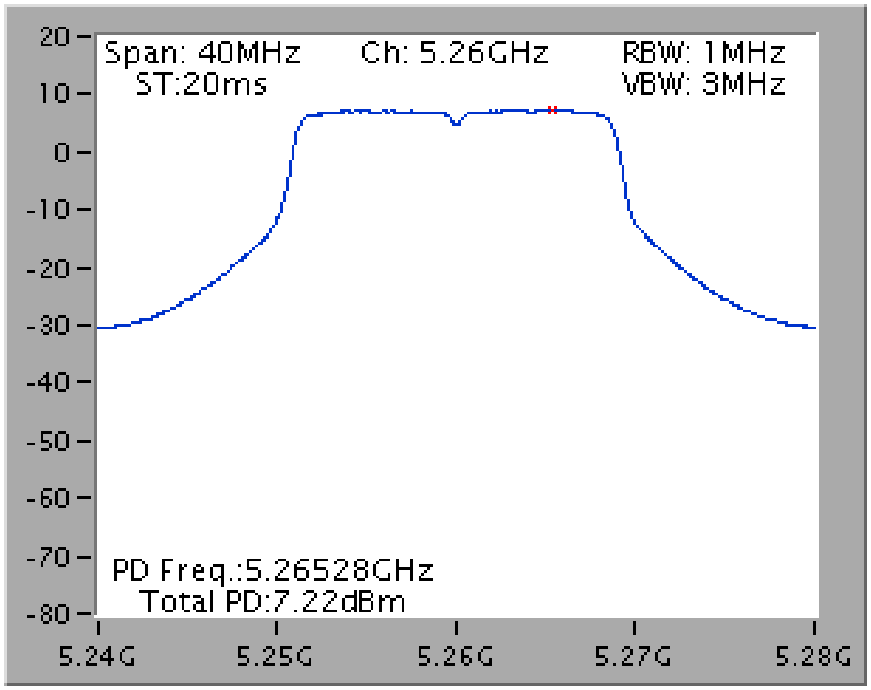
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



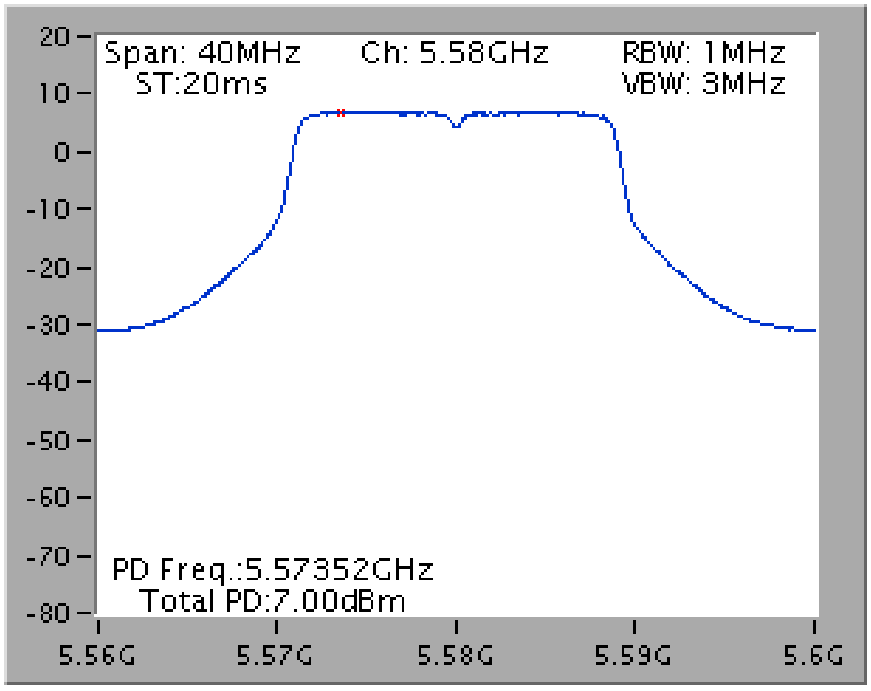
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



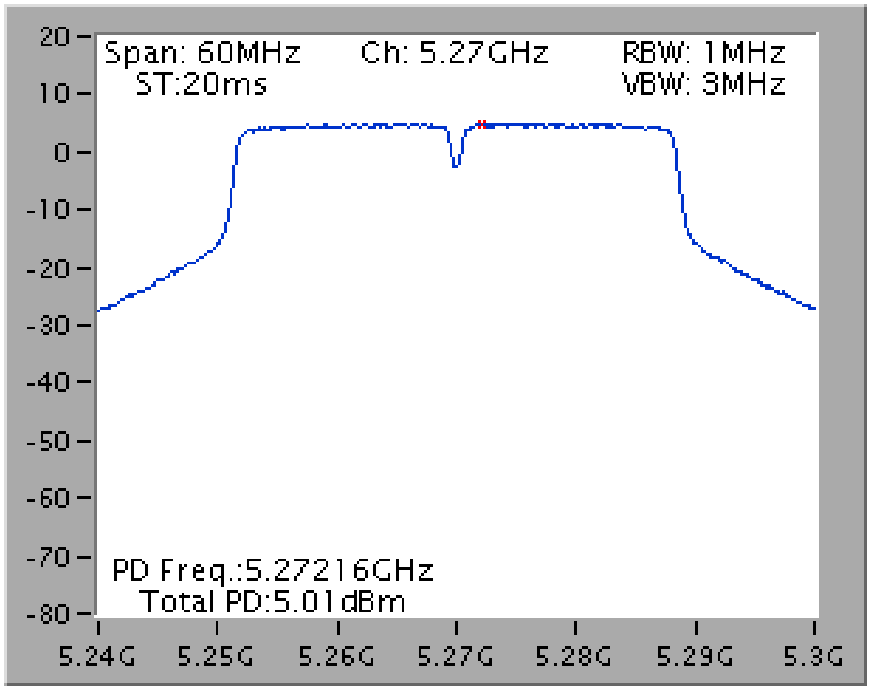
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



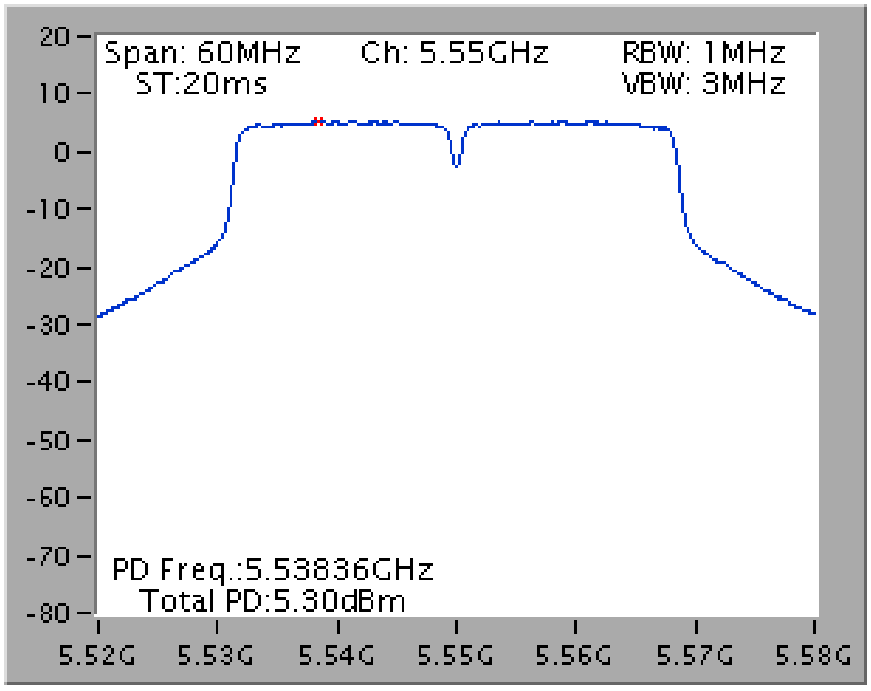
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



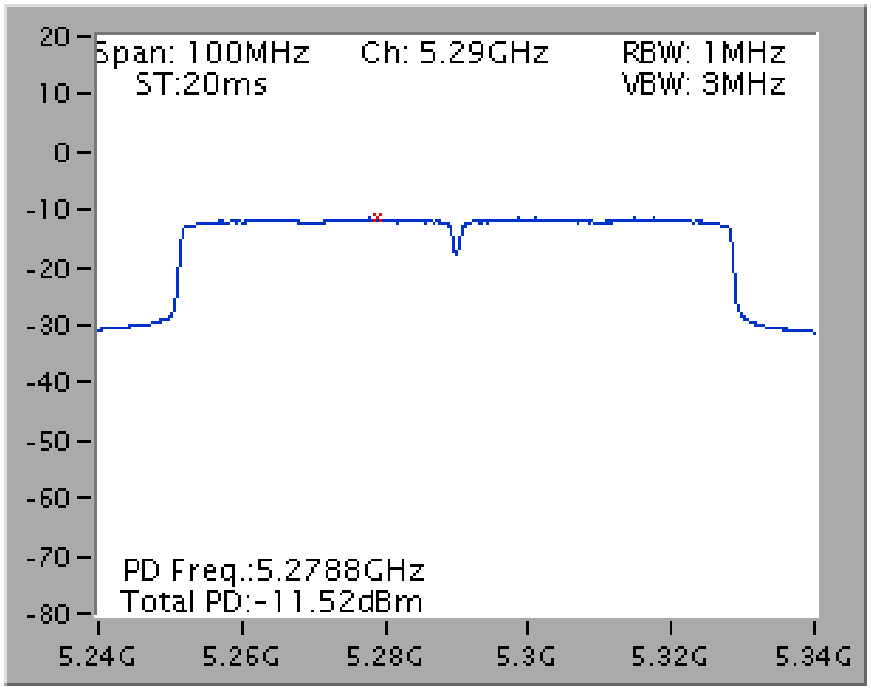
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



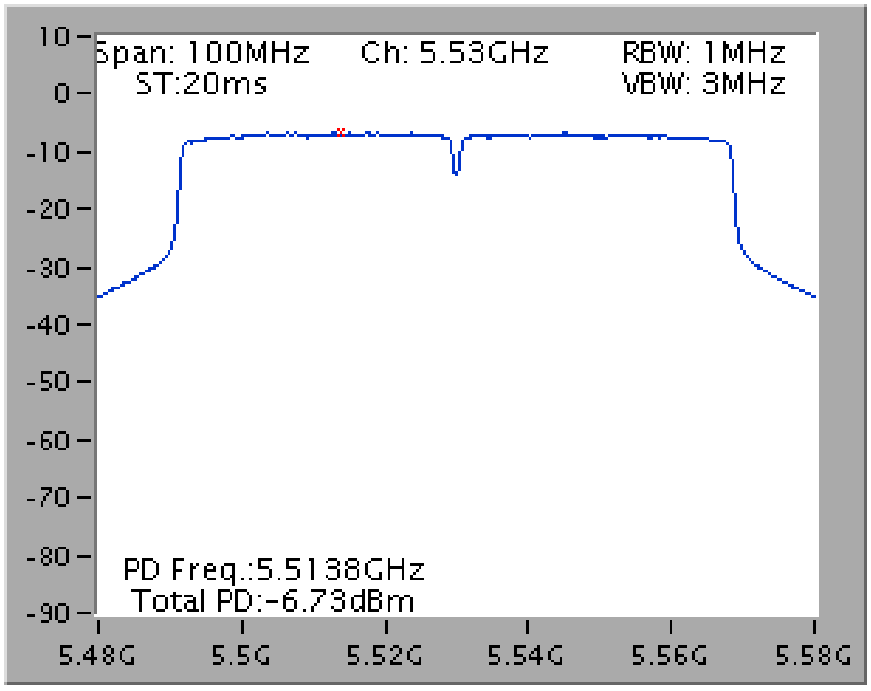
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



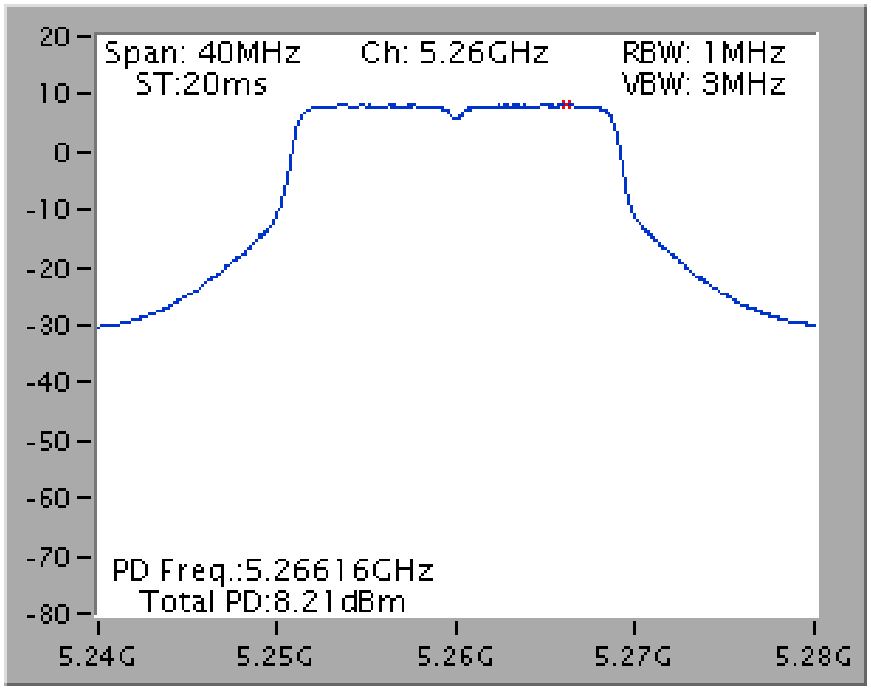
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



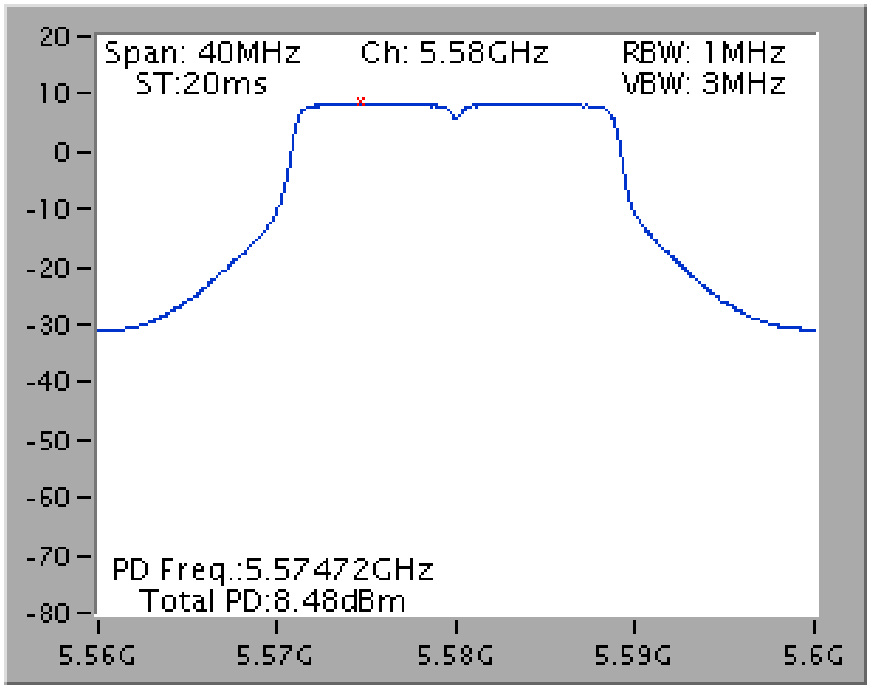
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



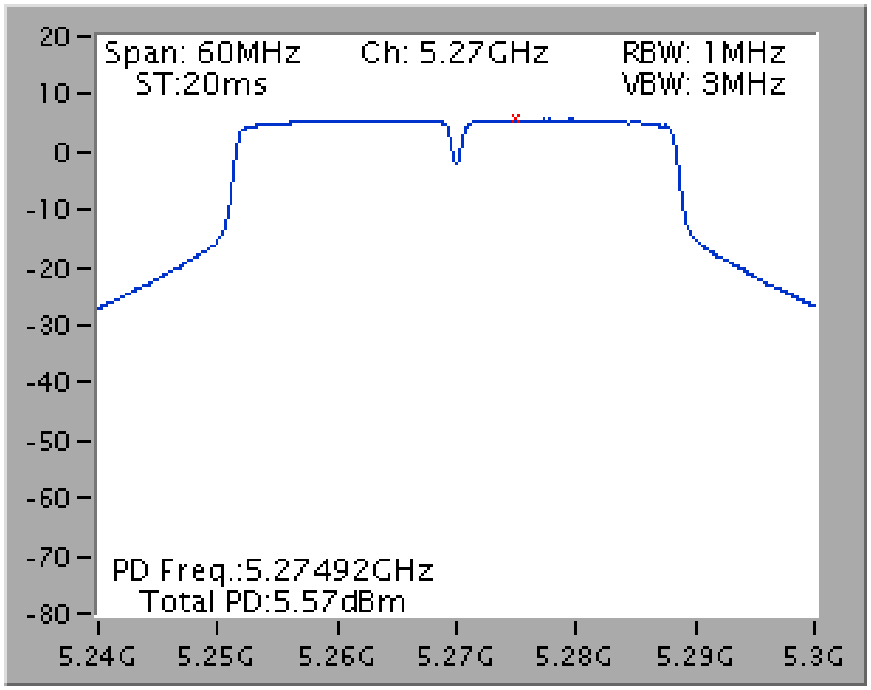
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



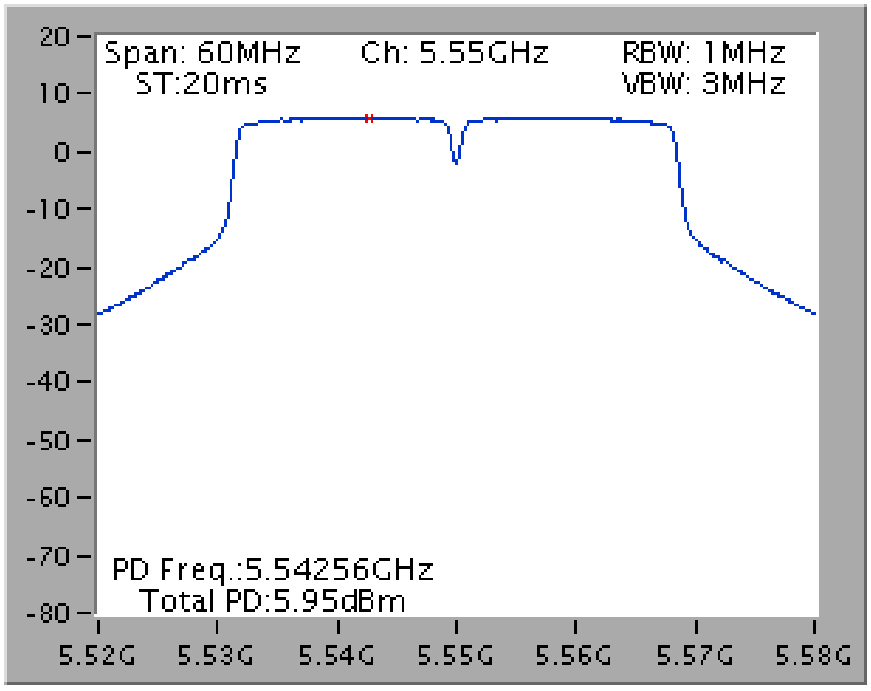
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



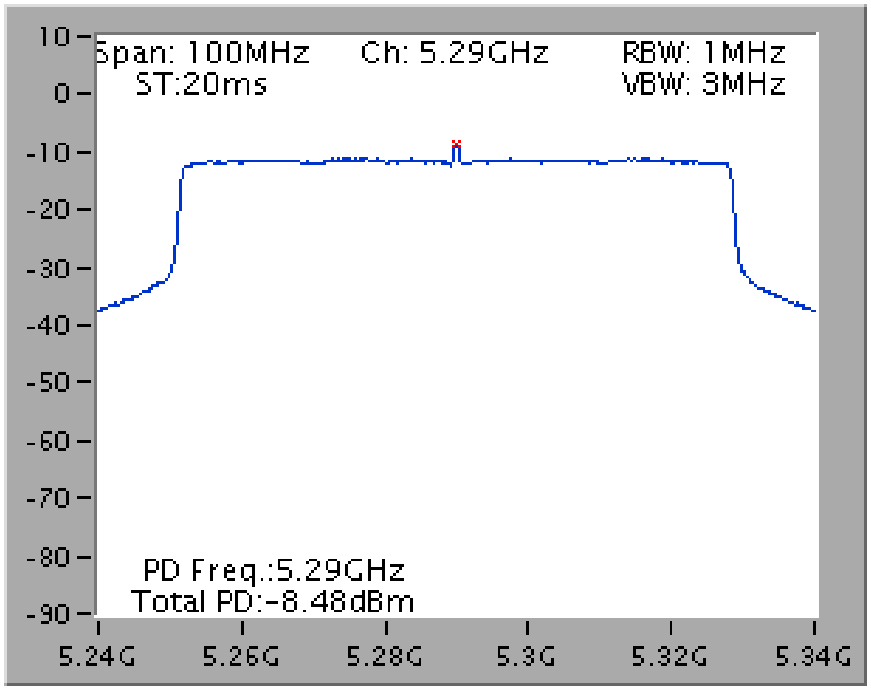
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



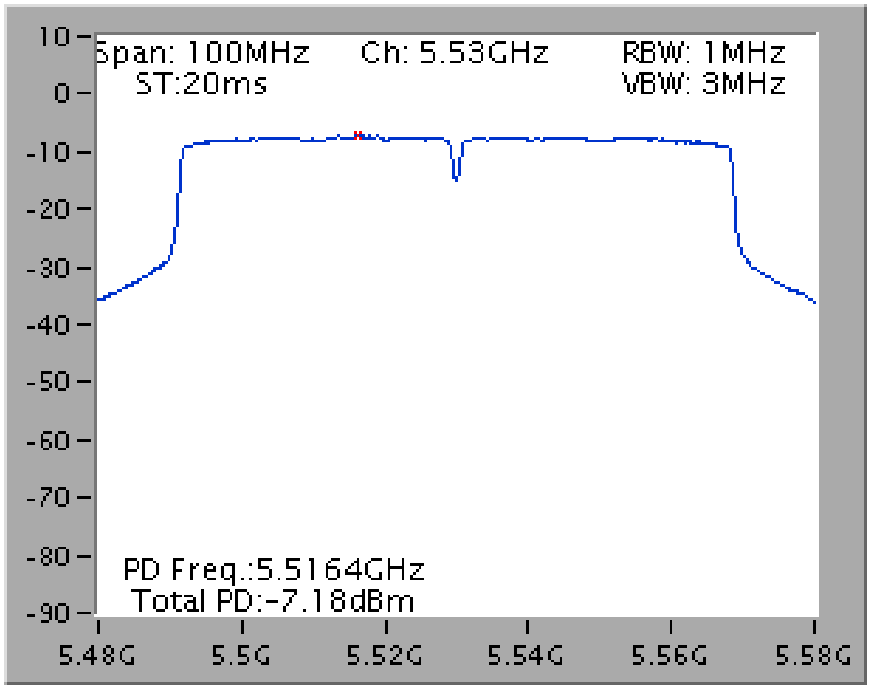
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



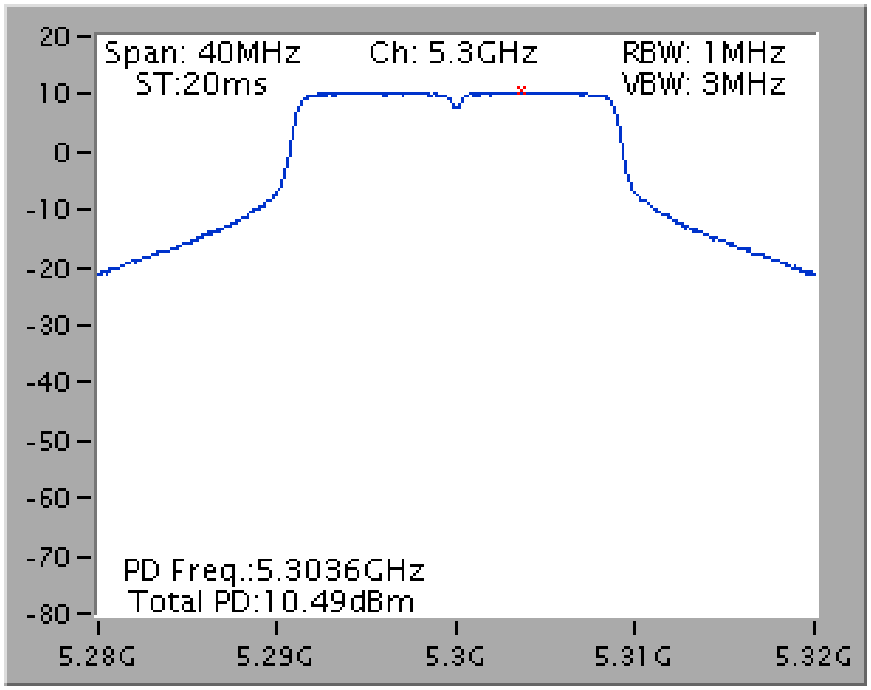
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



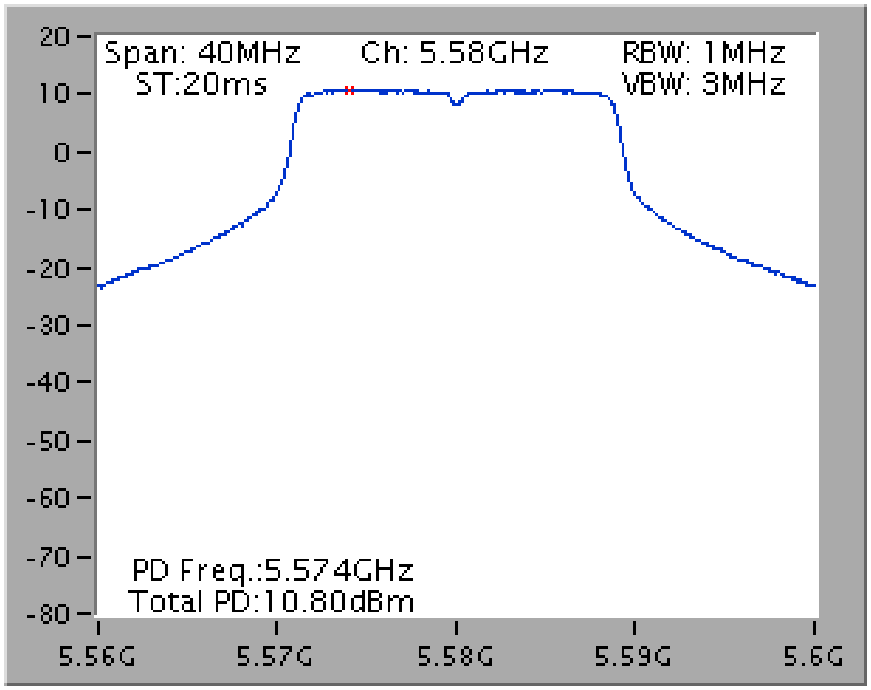
Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

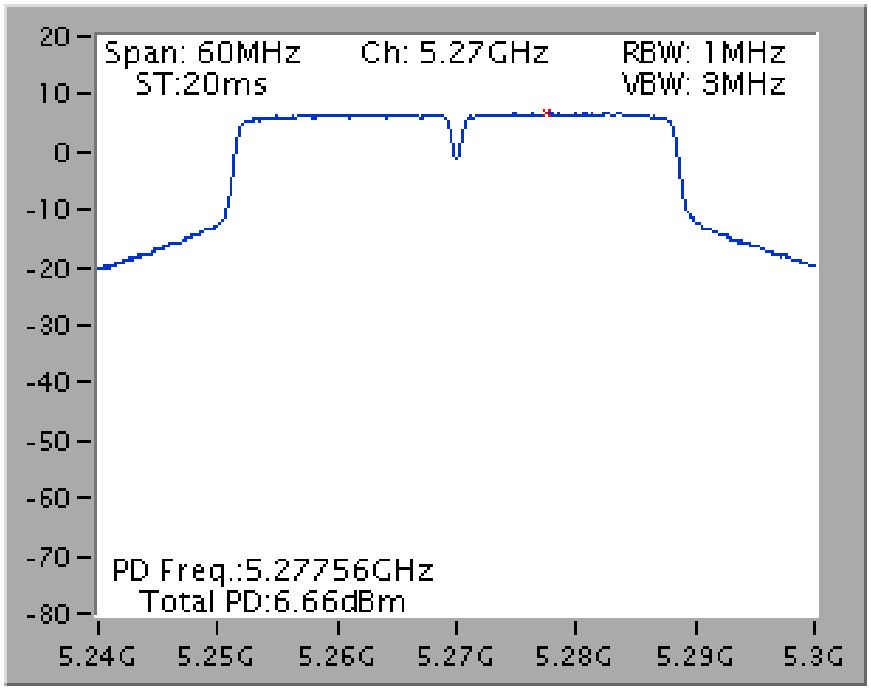
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHz



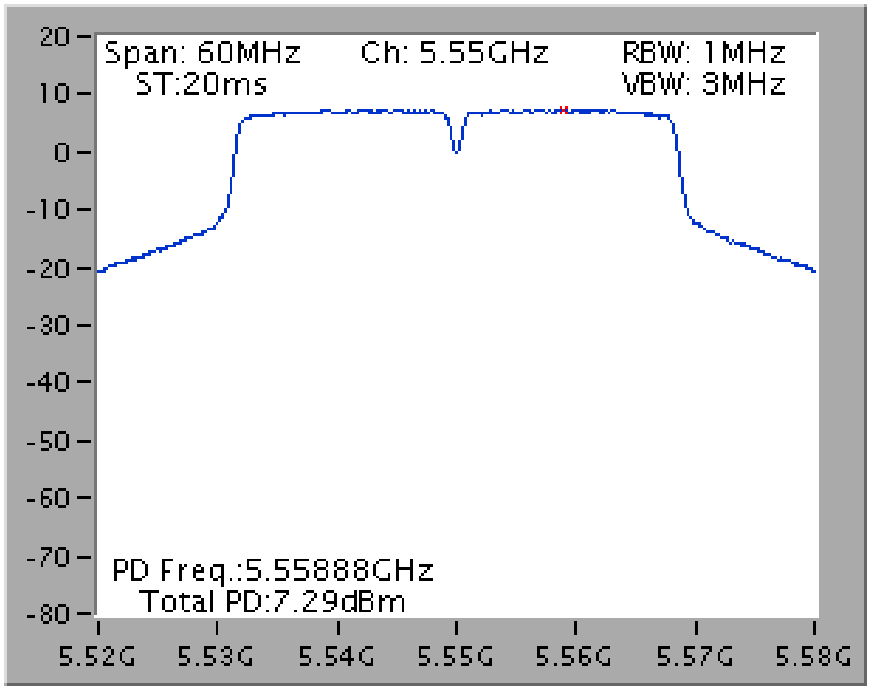
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



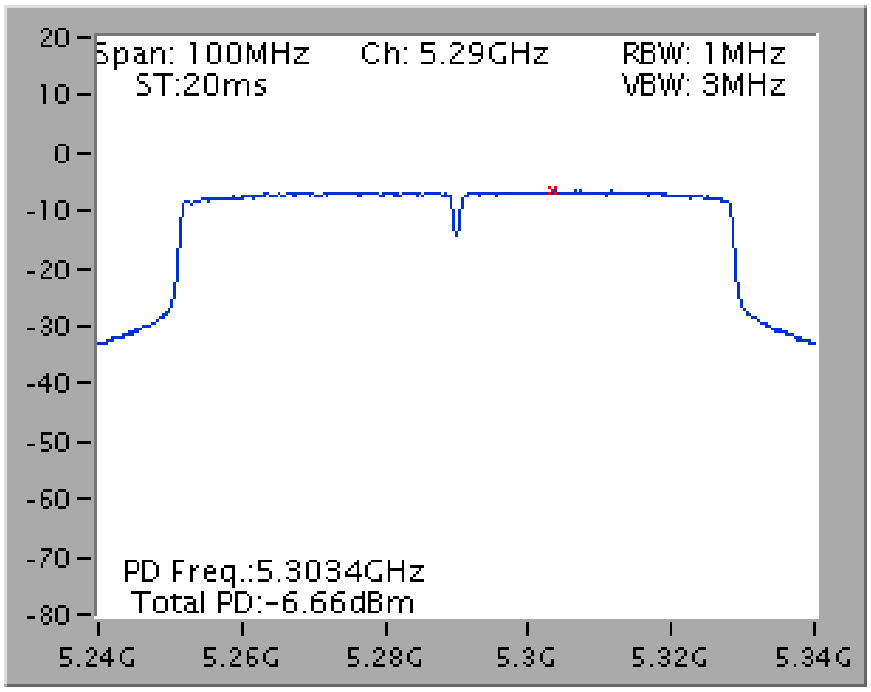
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



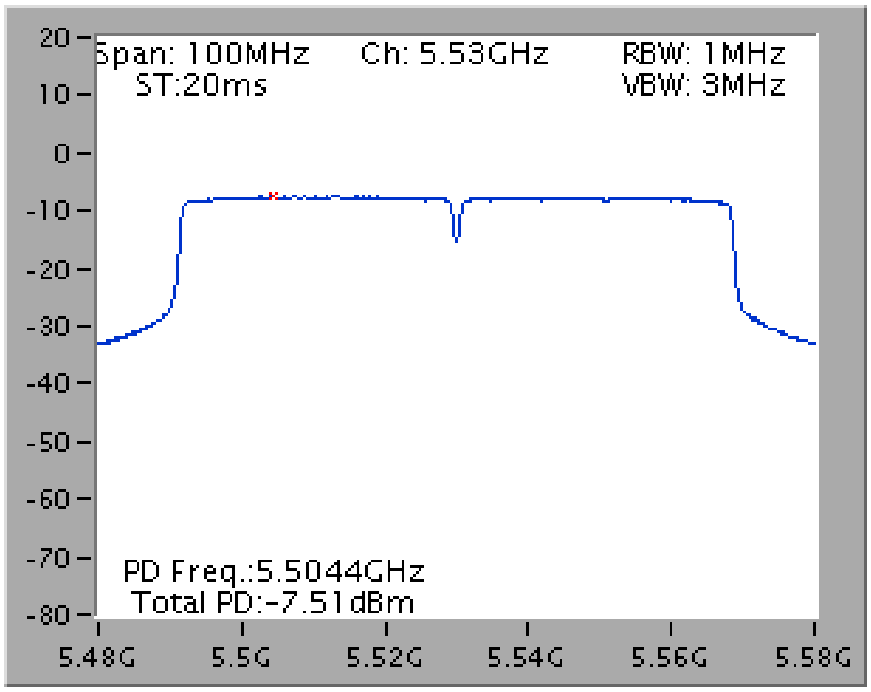
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

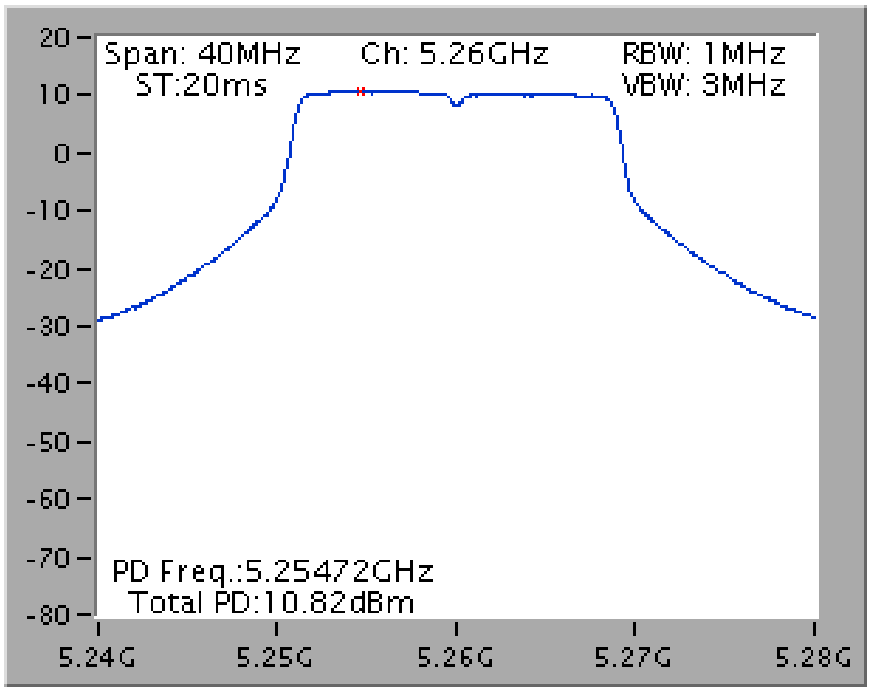


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

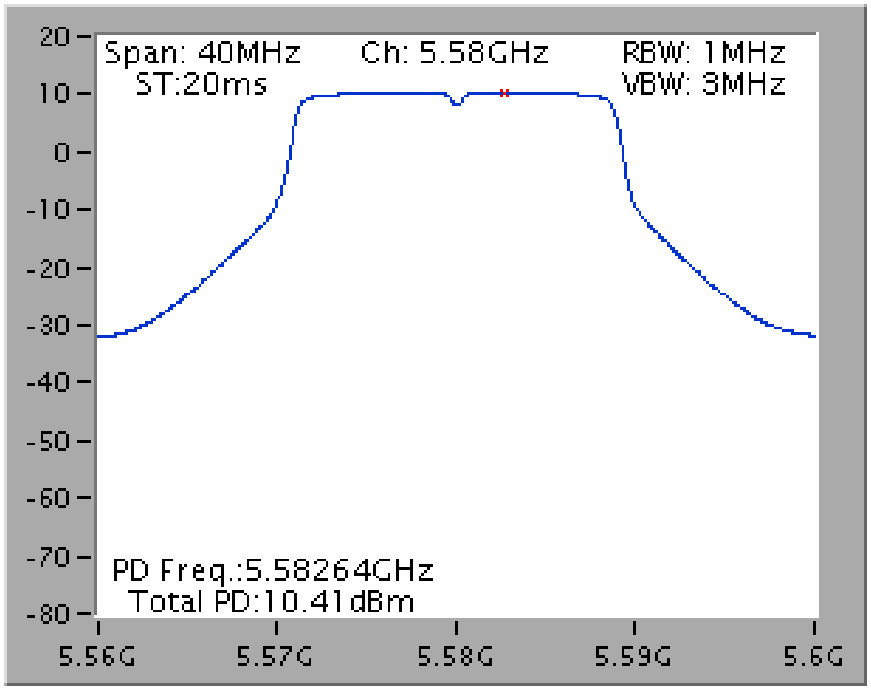


2TX

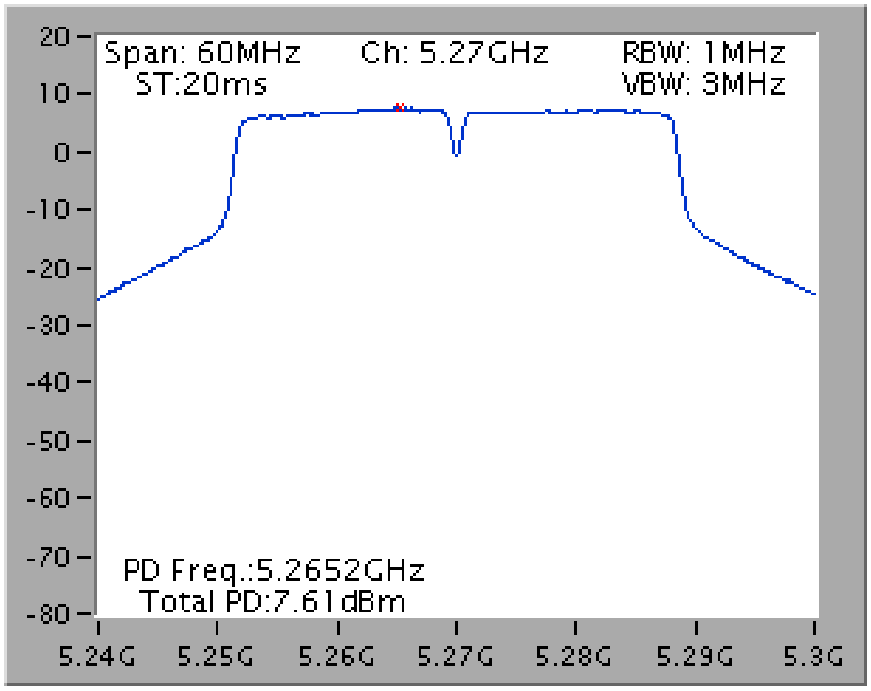
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



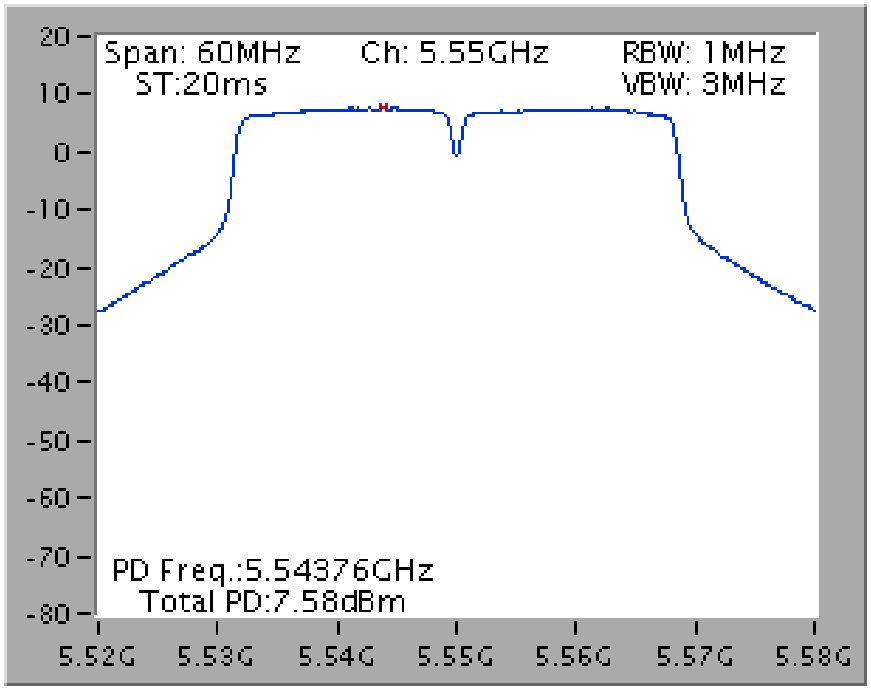
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



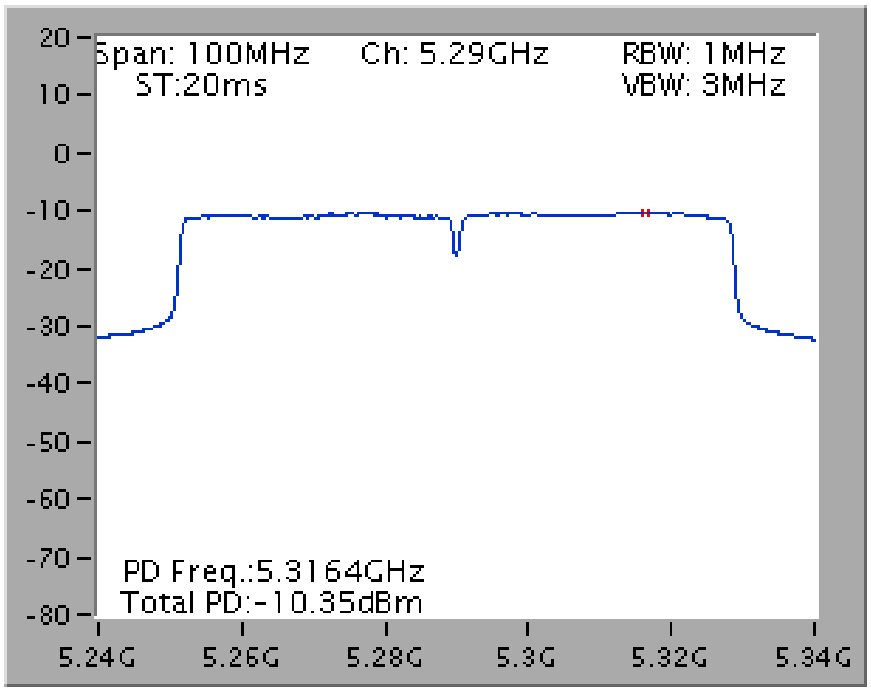
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



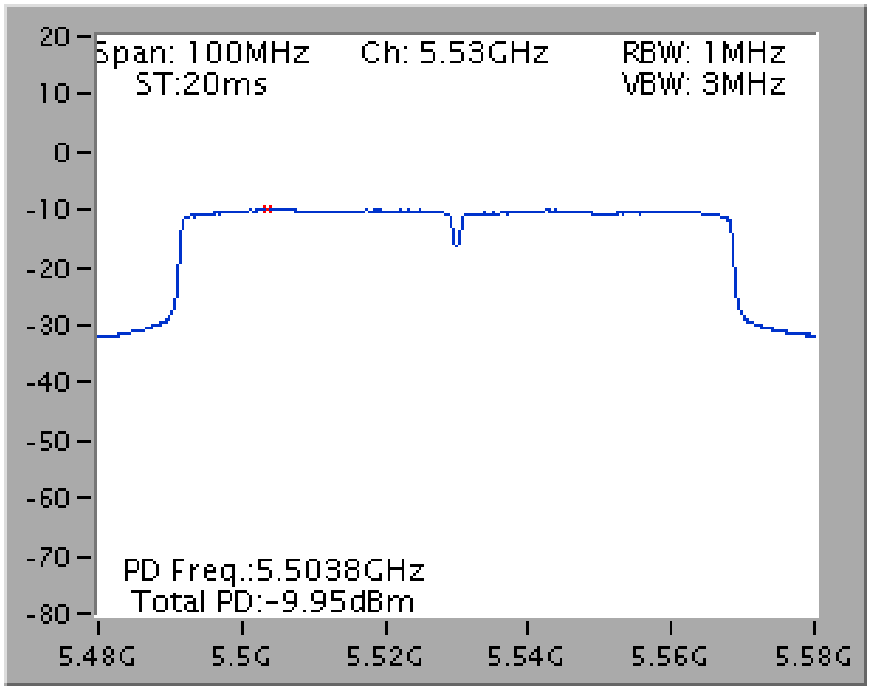
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



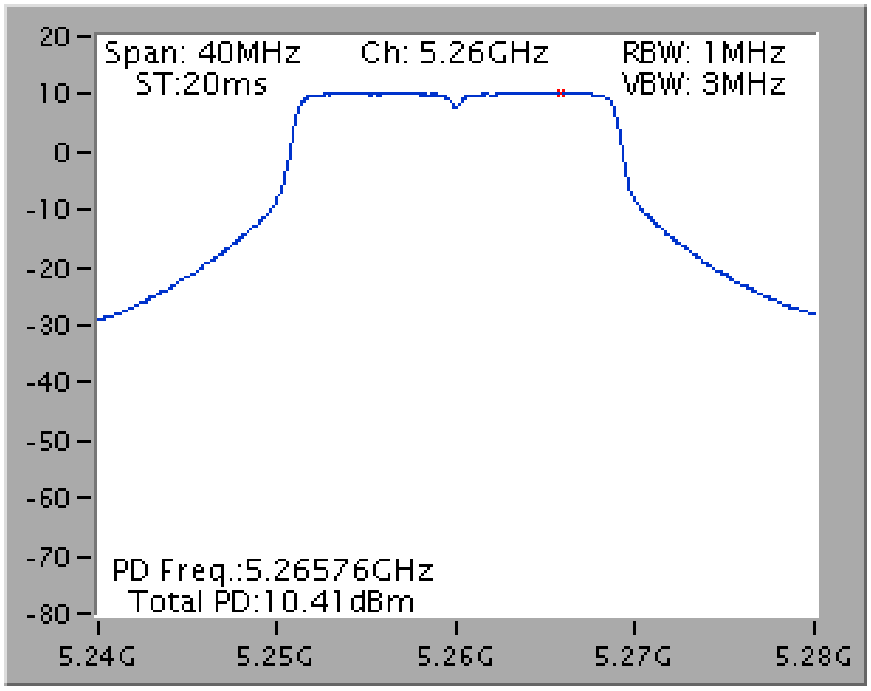
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



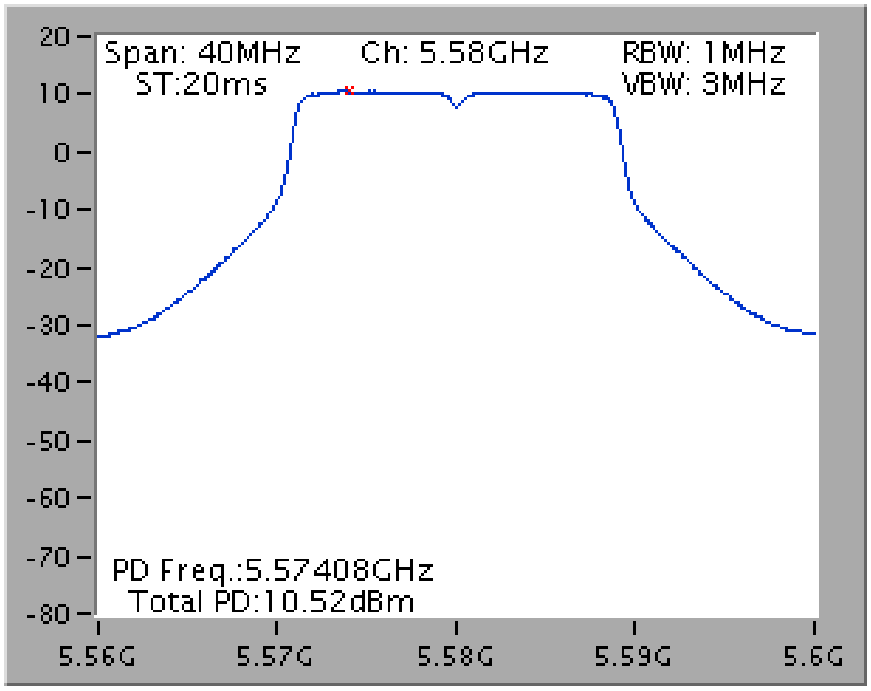
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



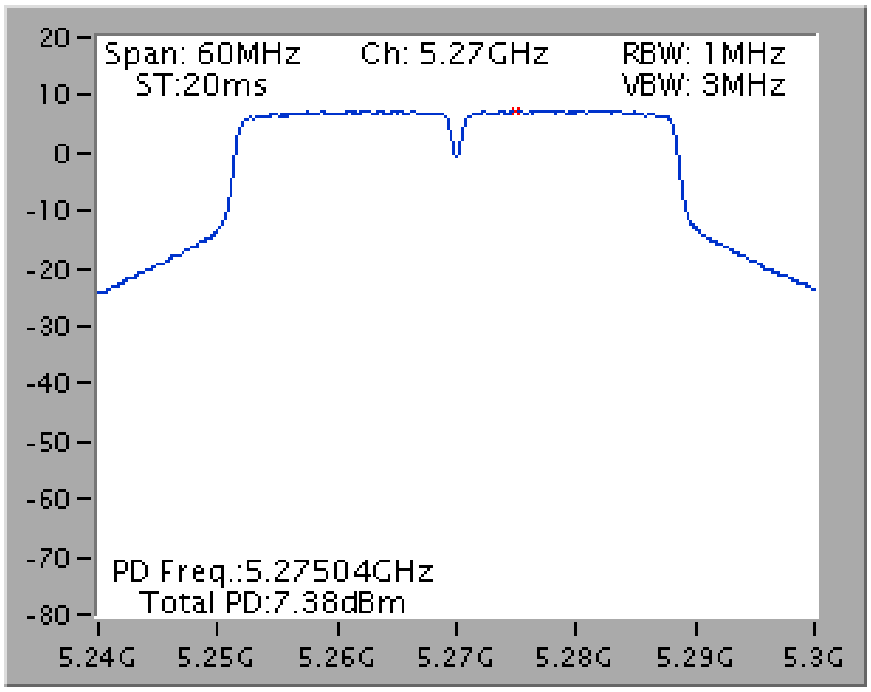
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



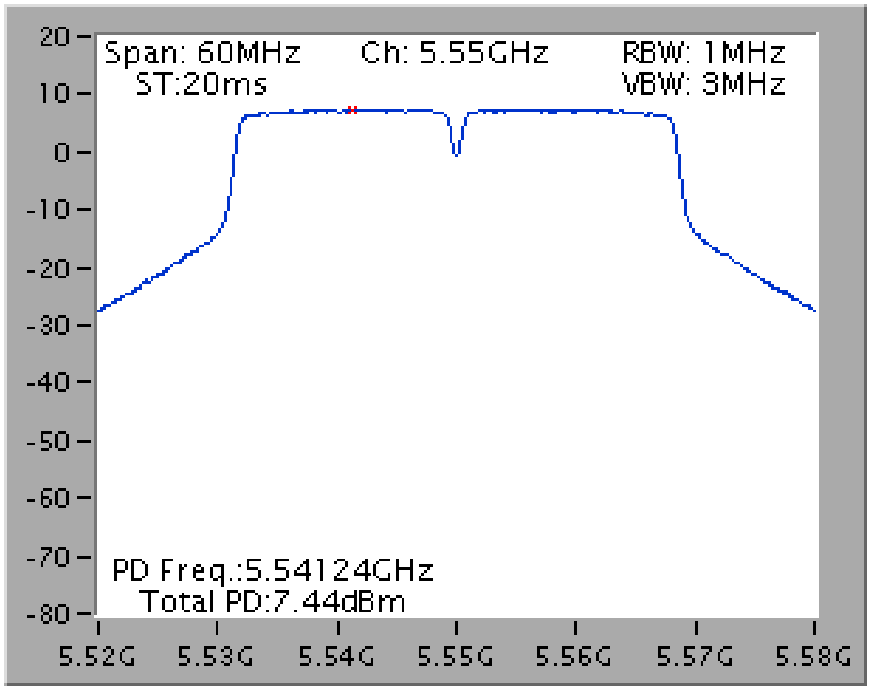
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



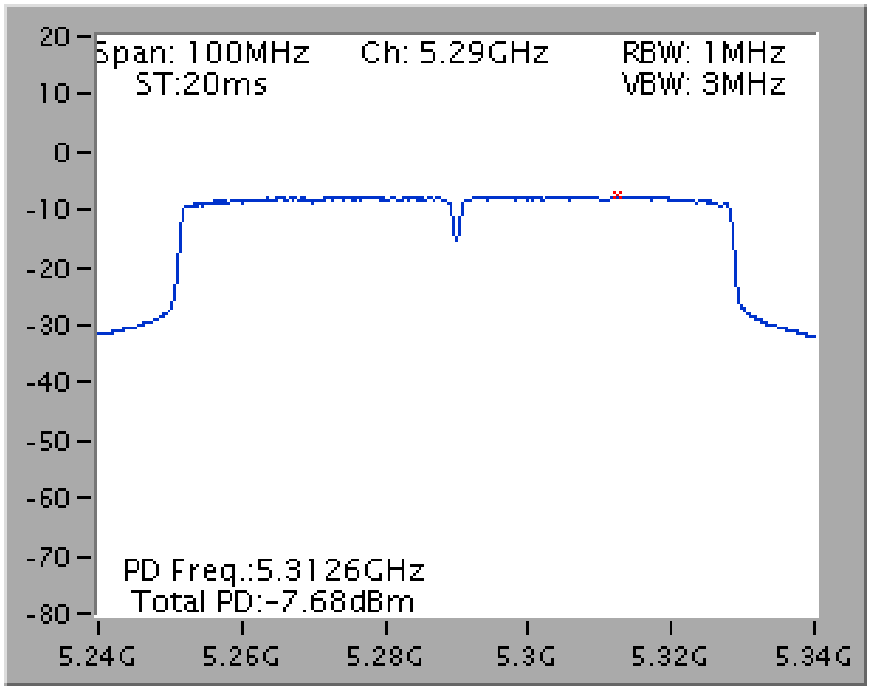
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



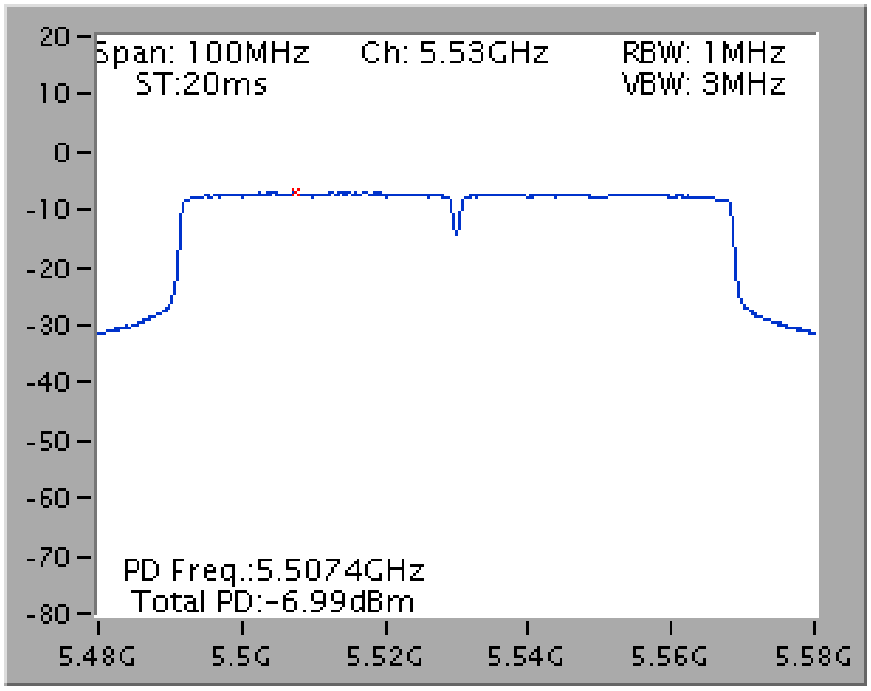
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz

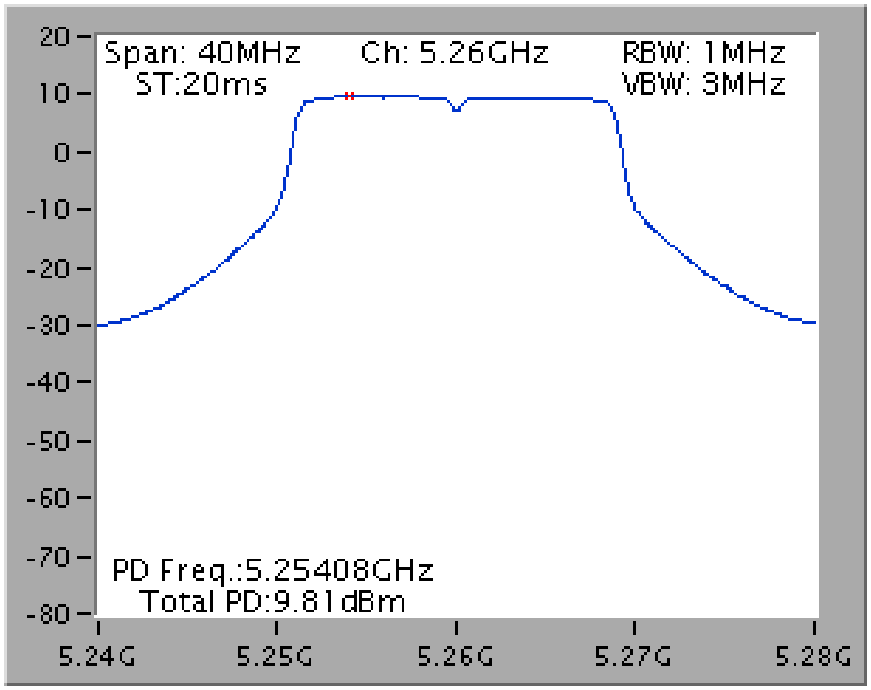


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

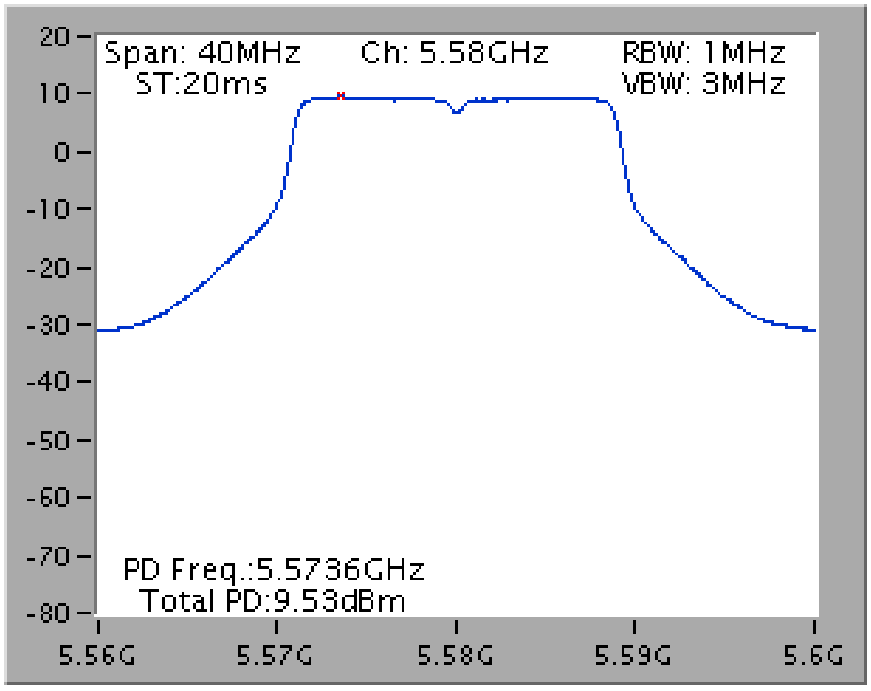


3TX

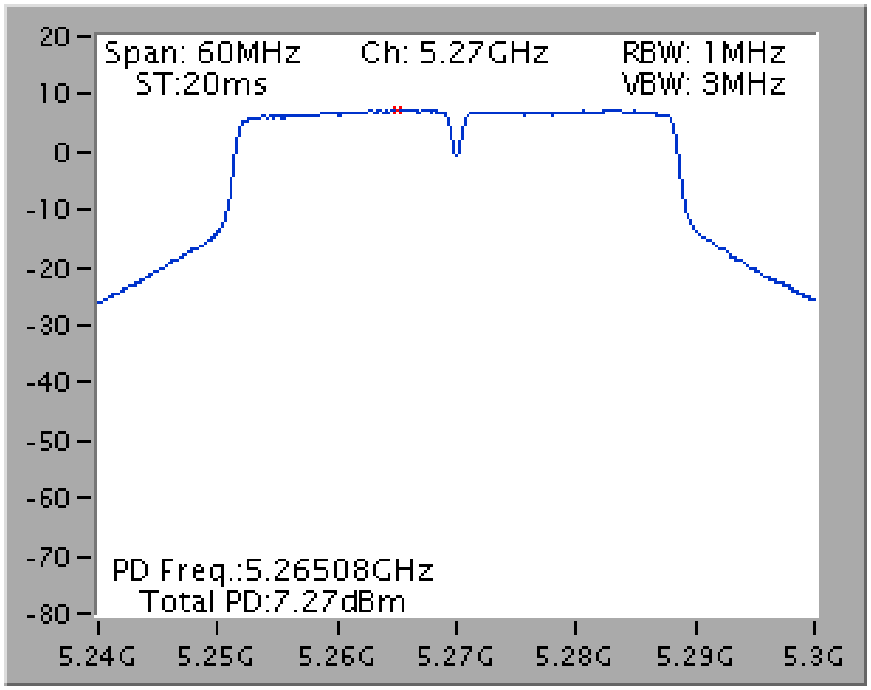
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



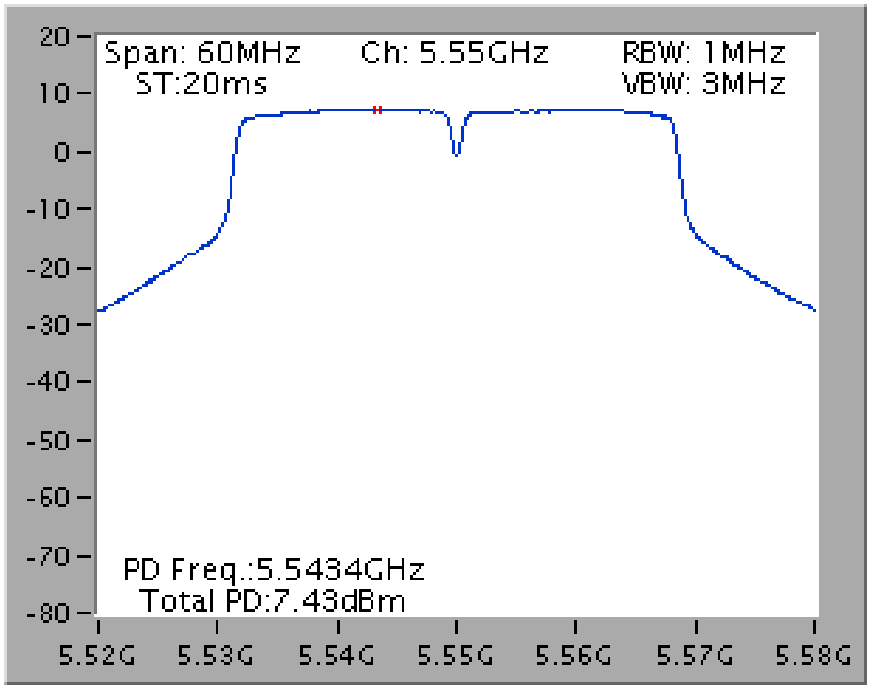
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



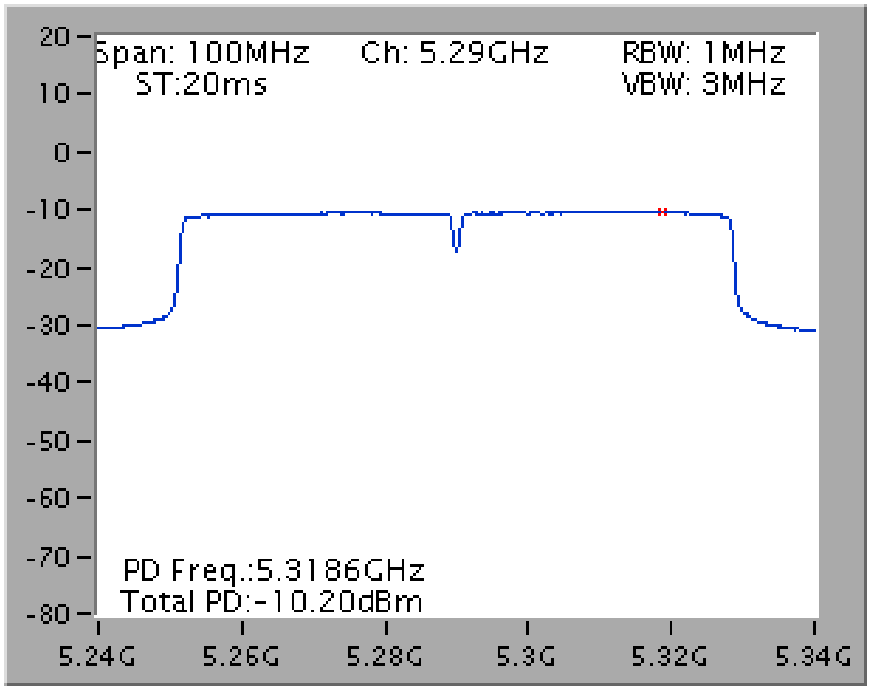
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



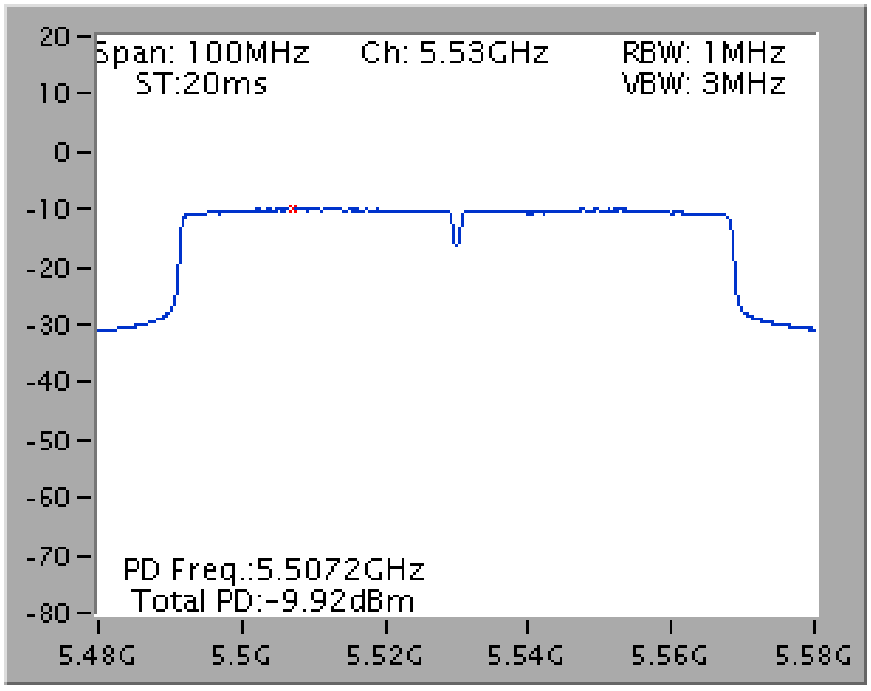
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



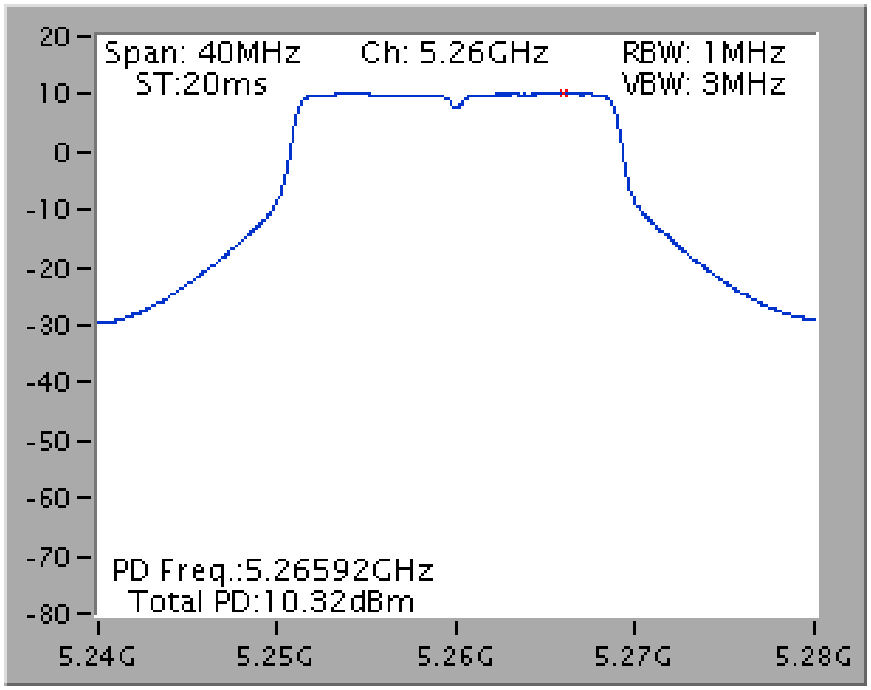
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



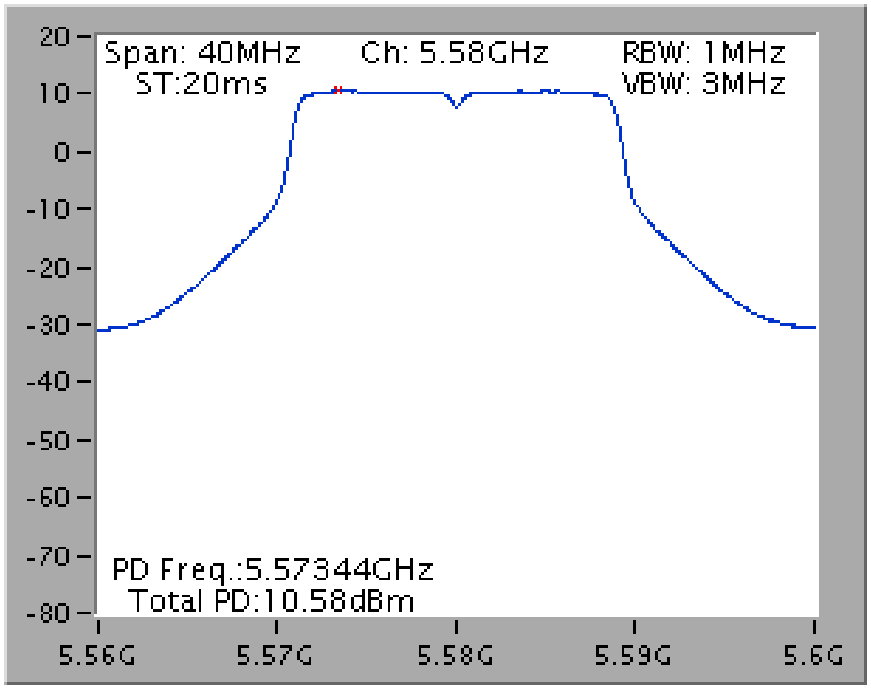
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



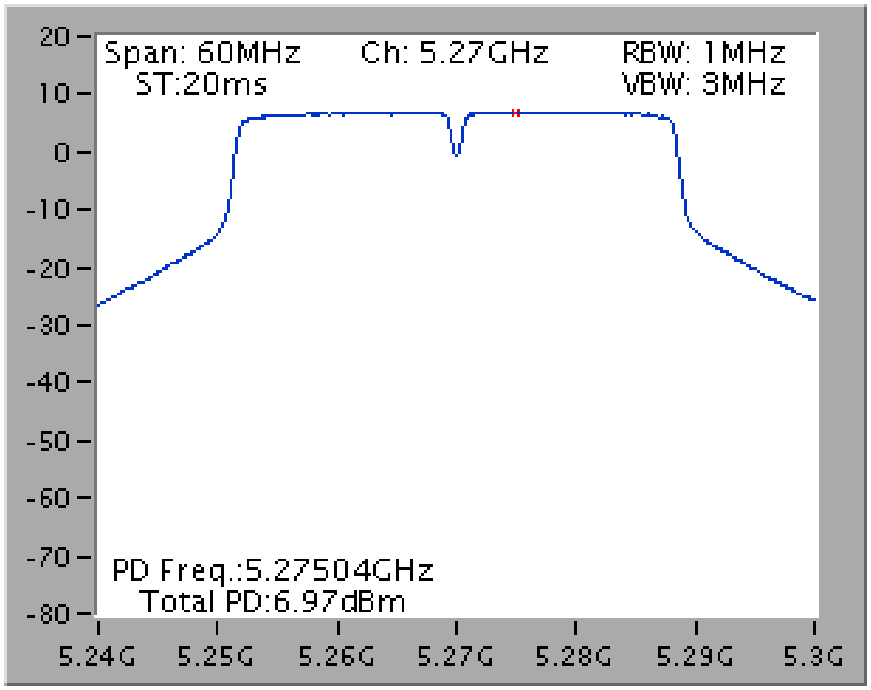
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



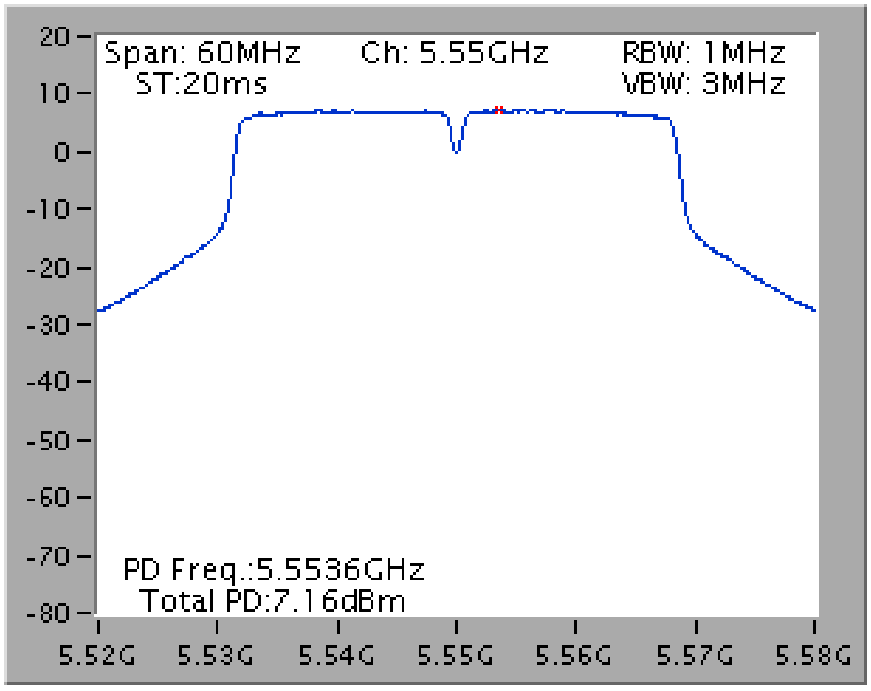
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



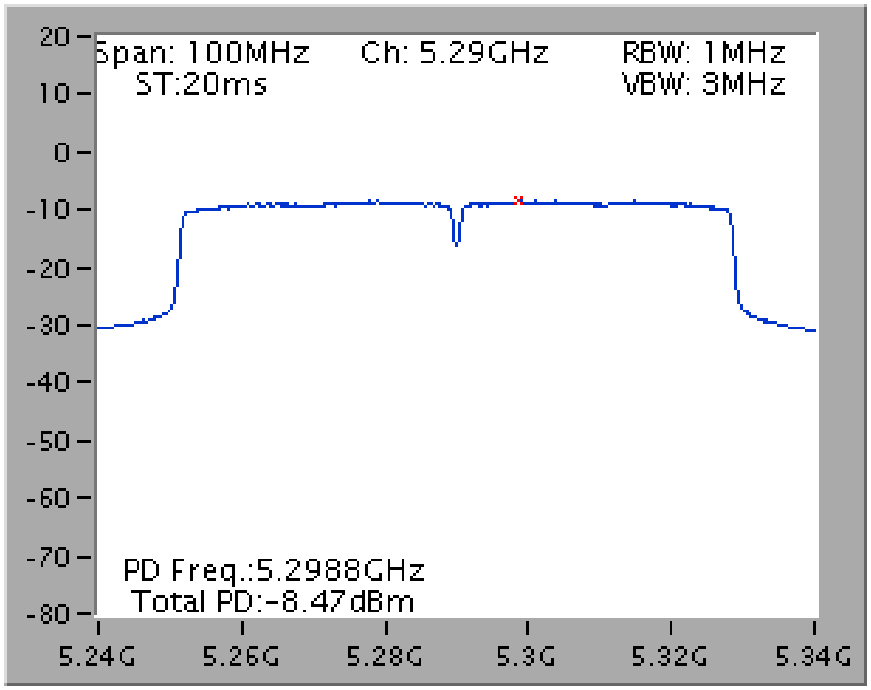
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



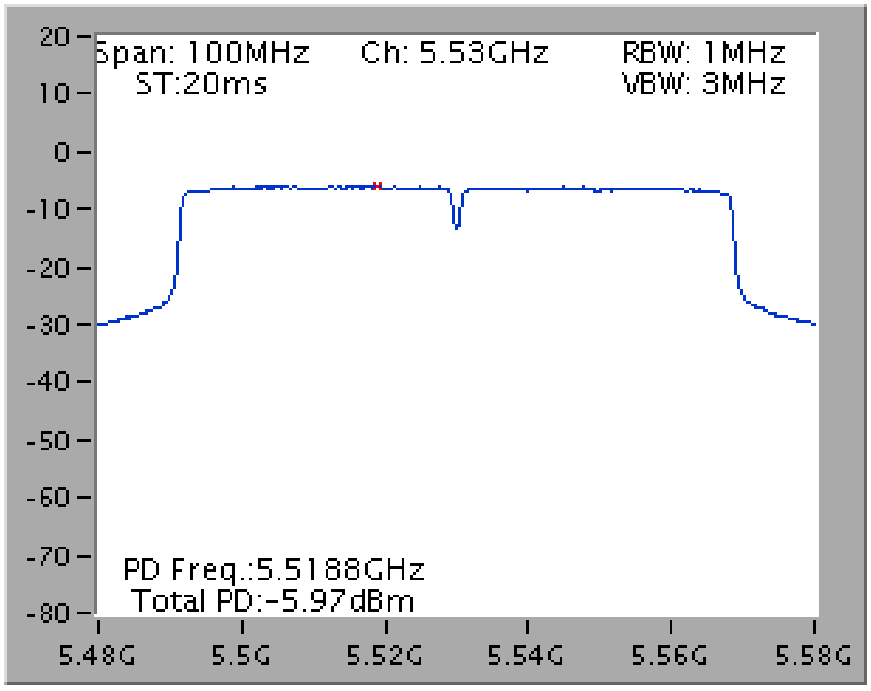
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



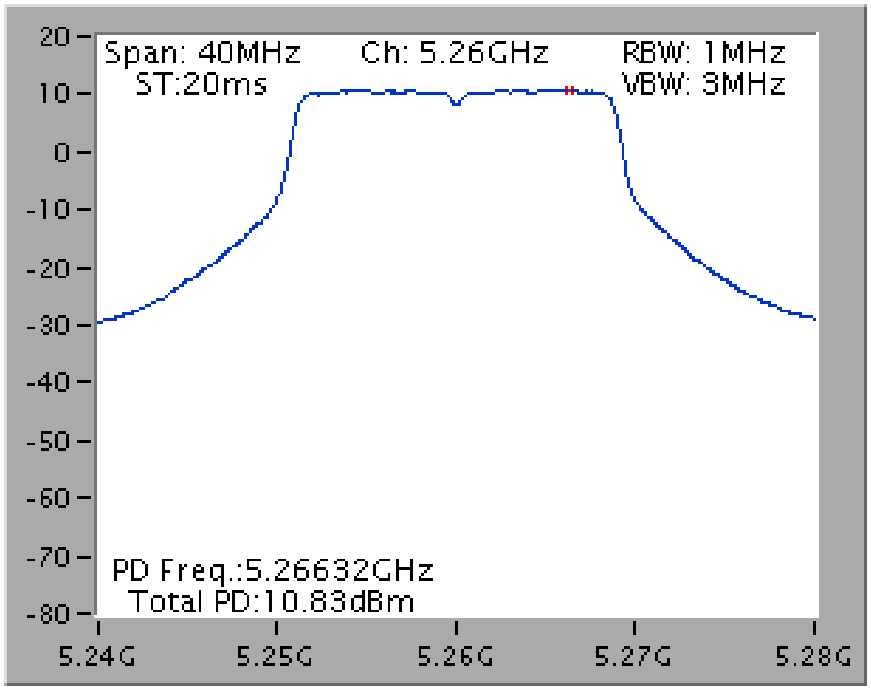
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



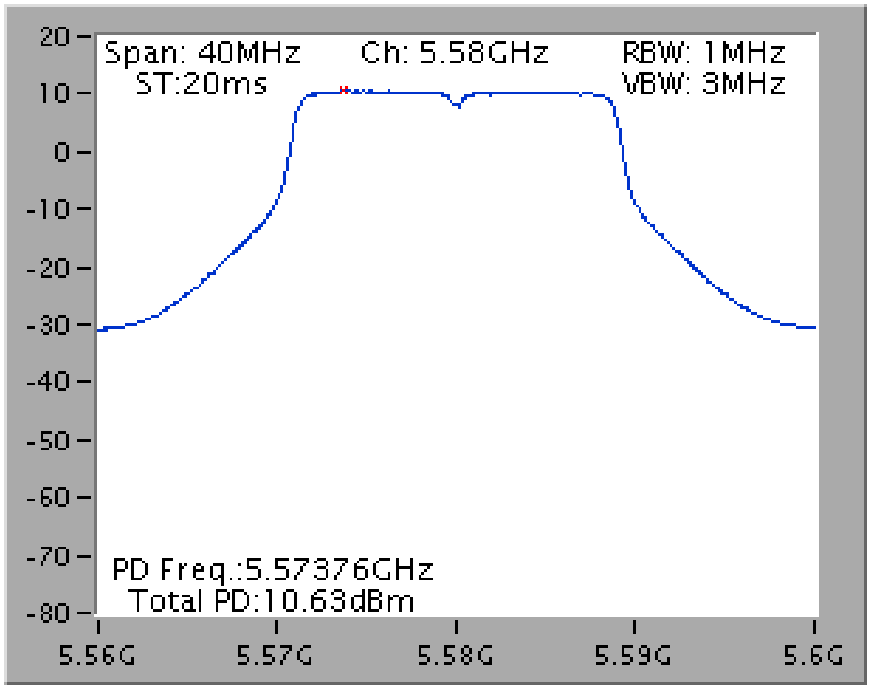
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



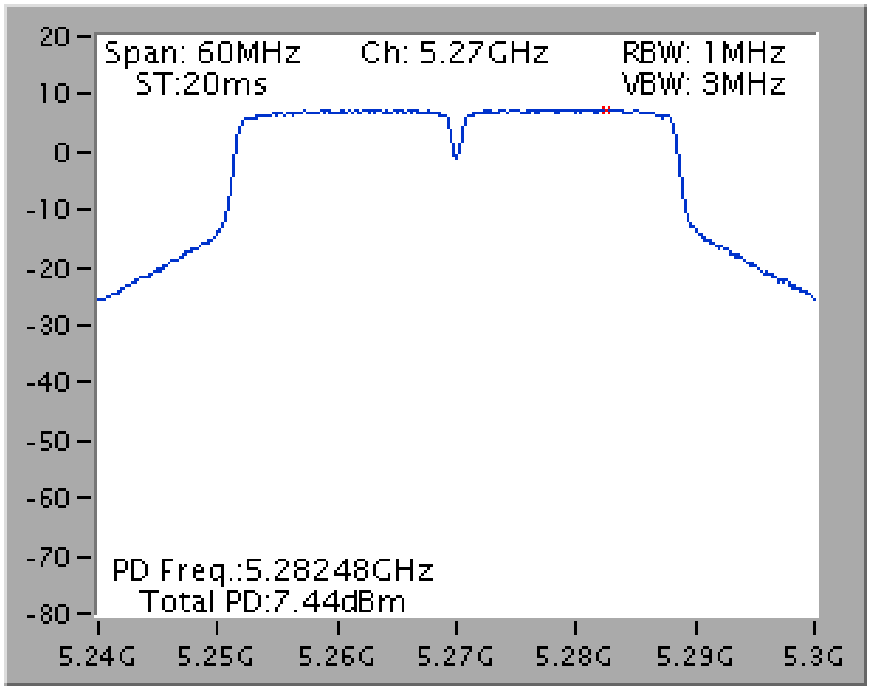
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



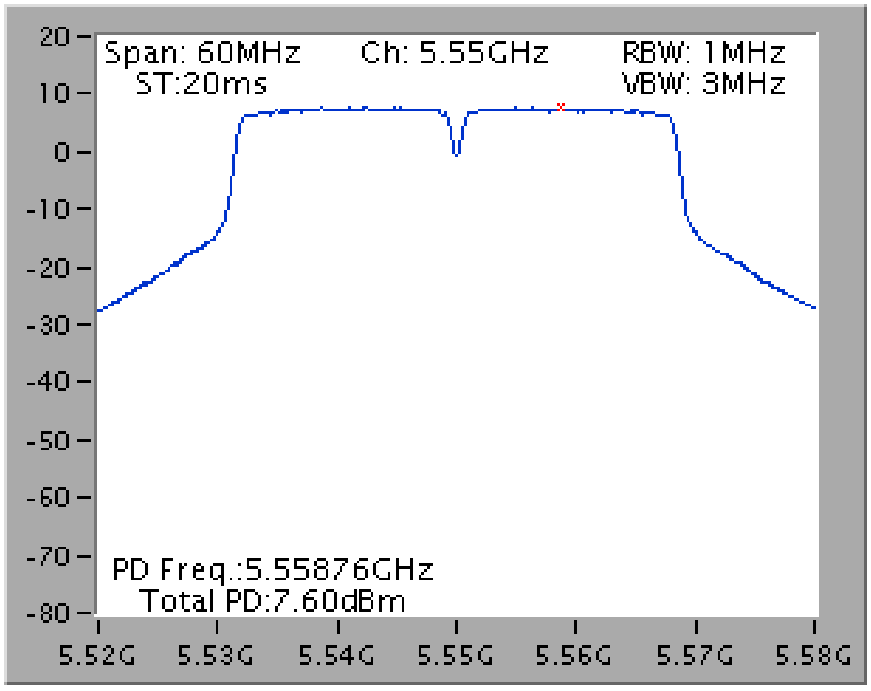
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



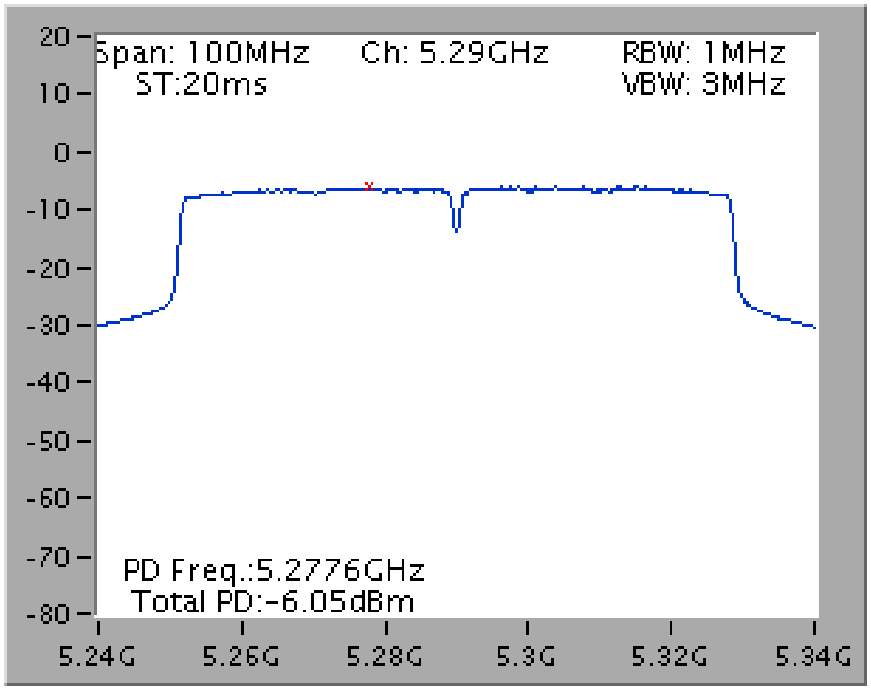
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



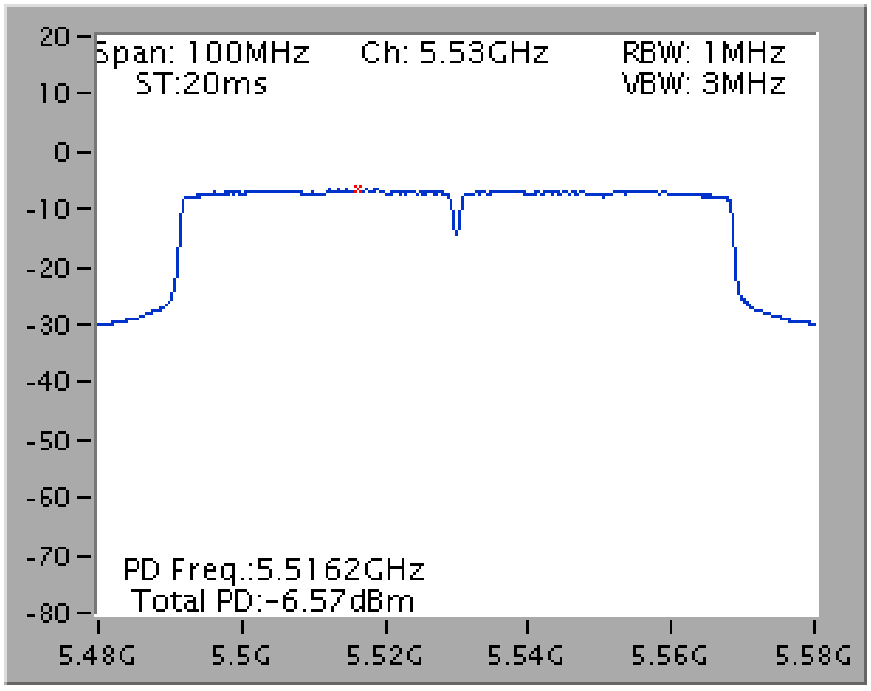
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



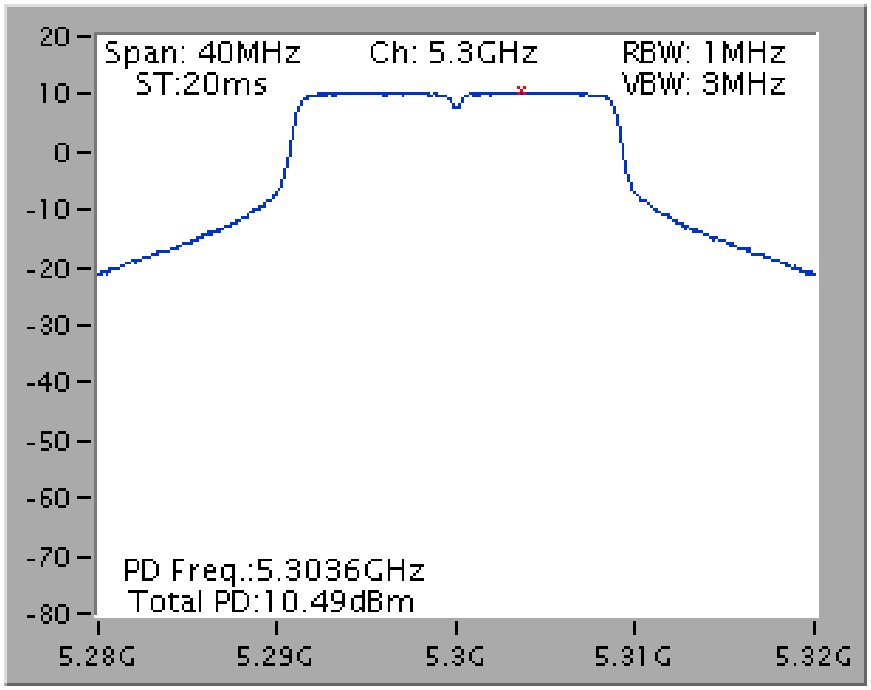
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



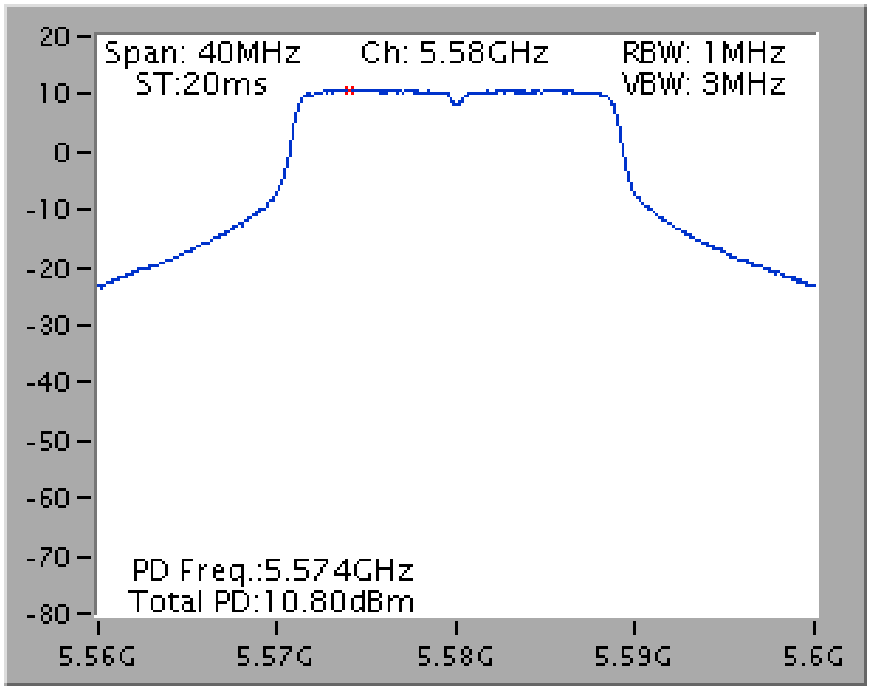
Mode 5 (Ant.6 Facade antenna / 2.5dBi)

1TX

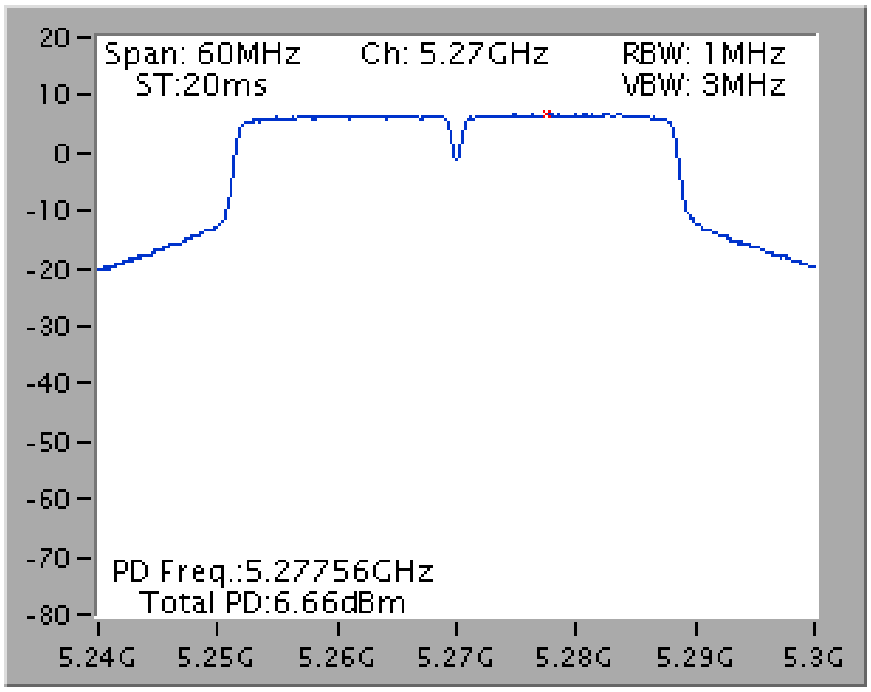
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHz



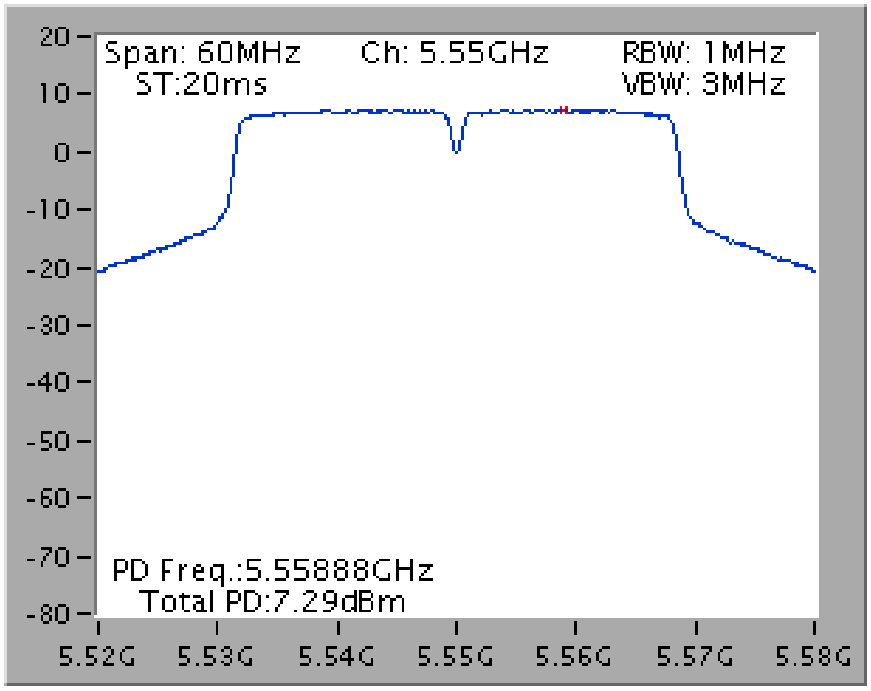
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



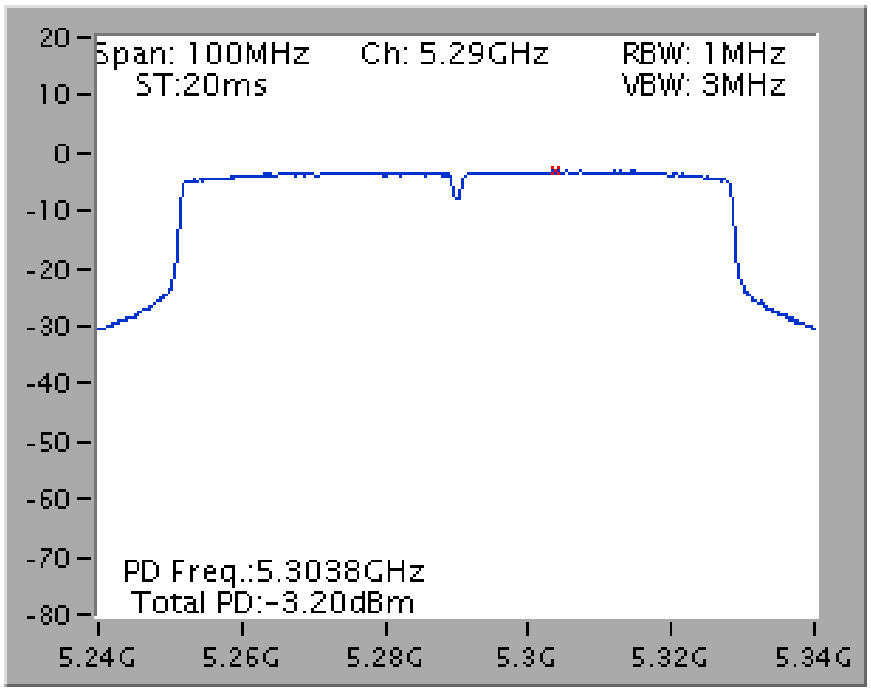
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



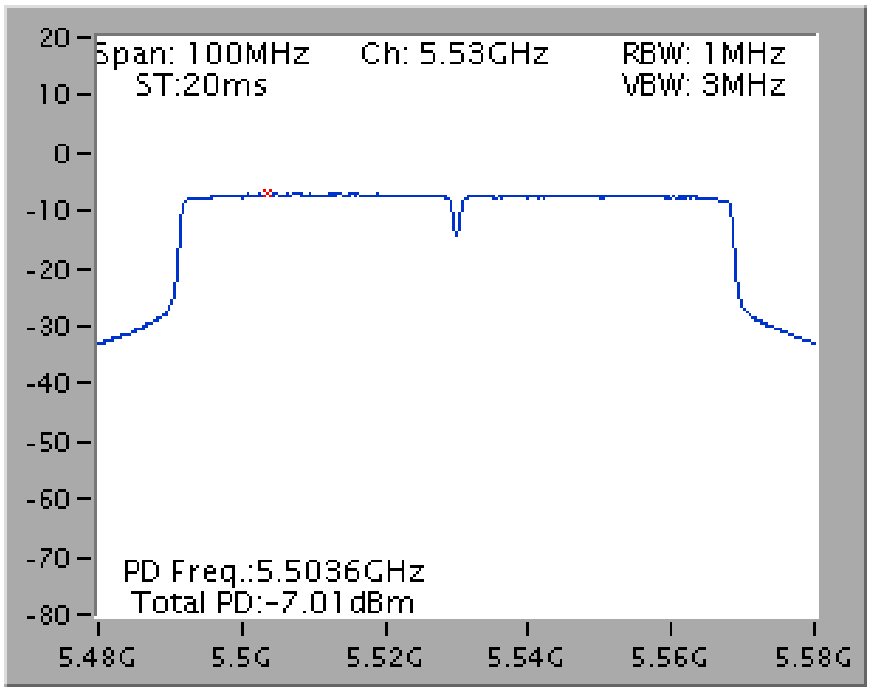
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

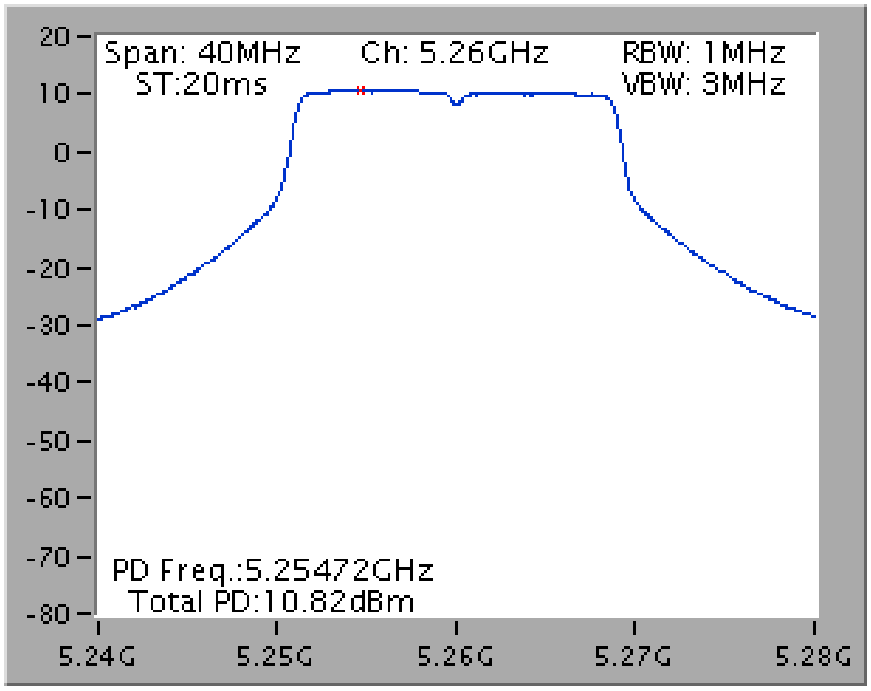


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

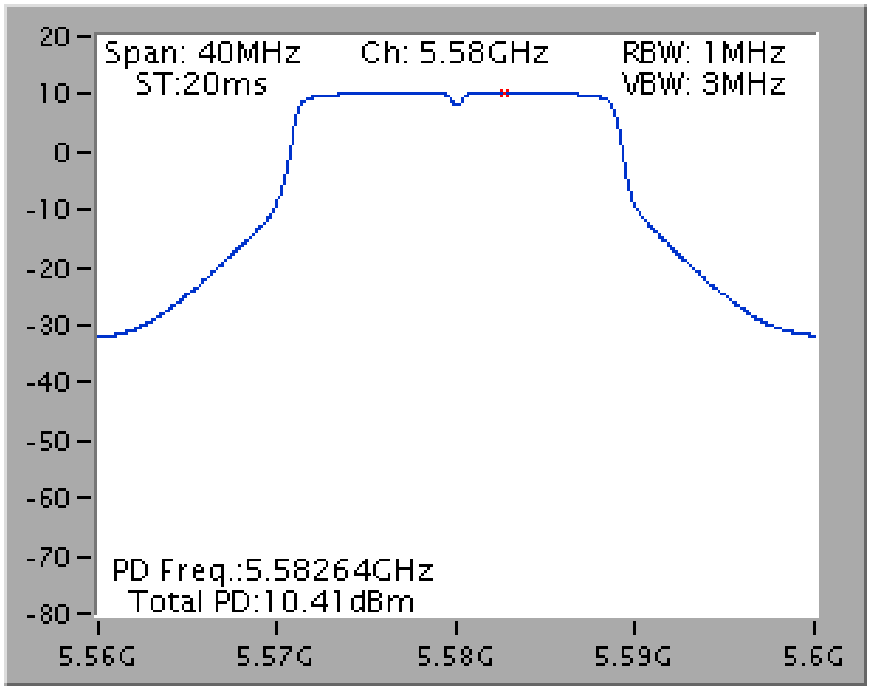


2TX

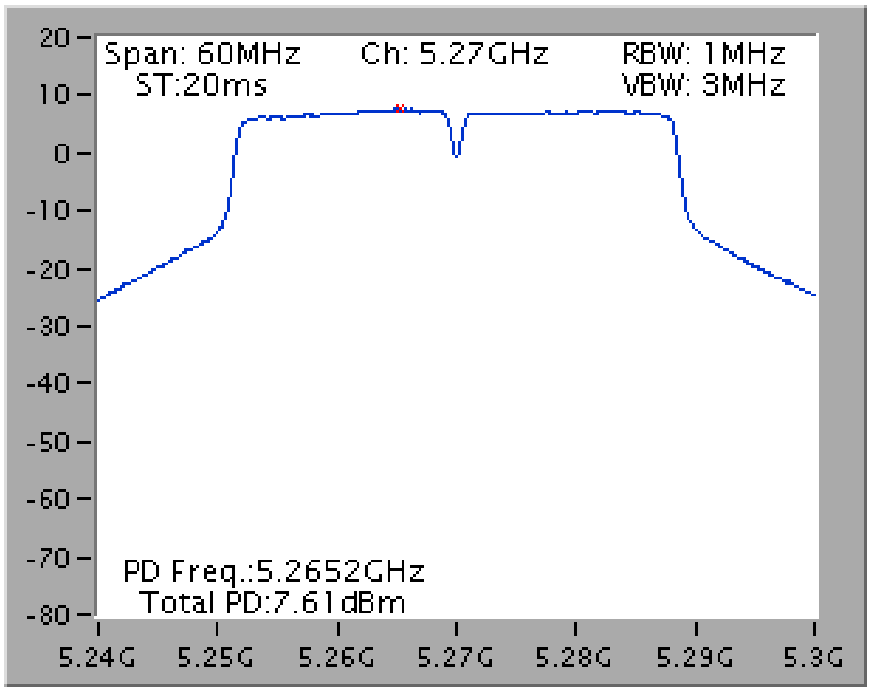
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



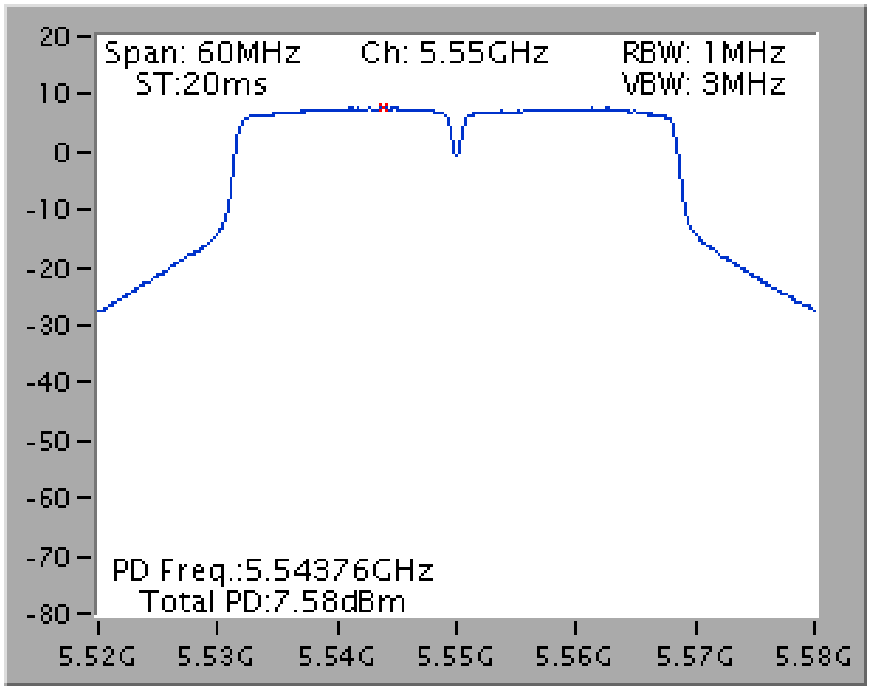
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



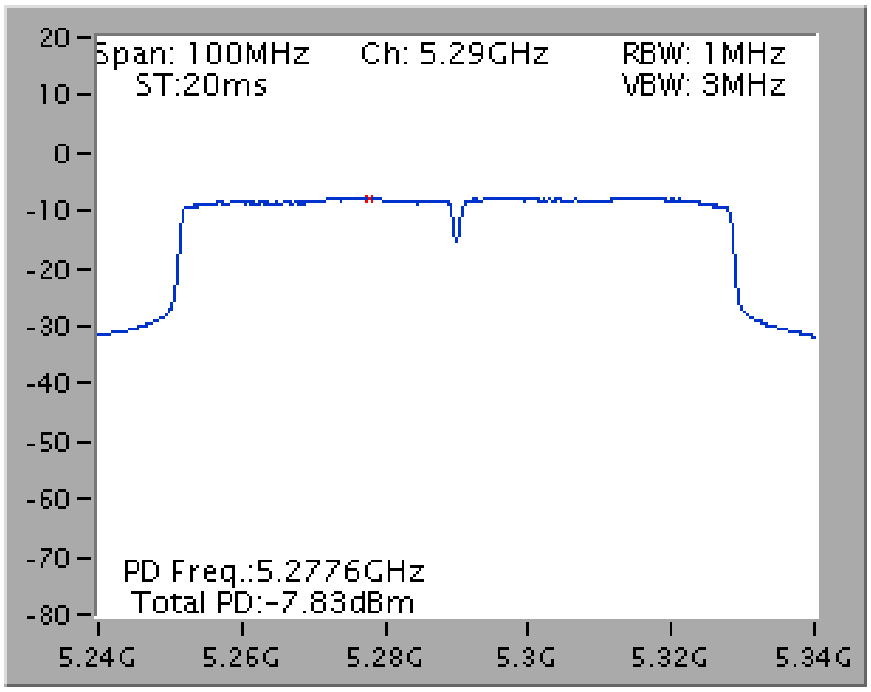
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



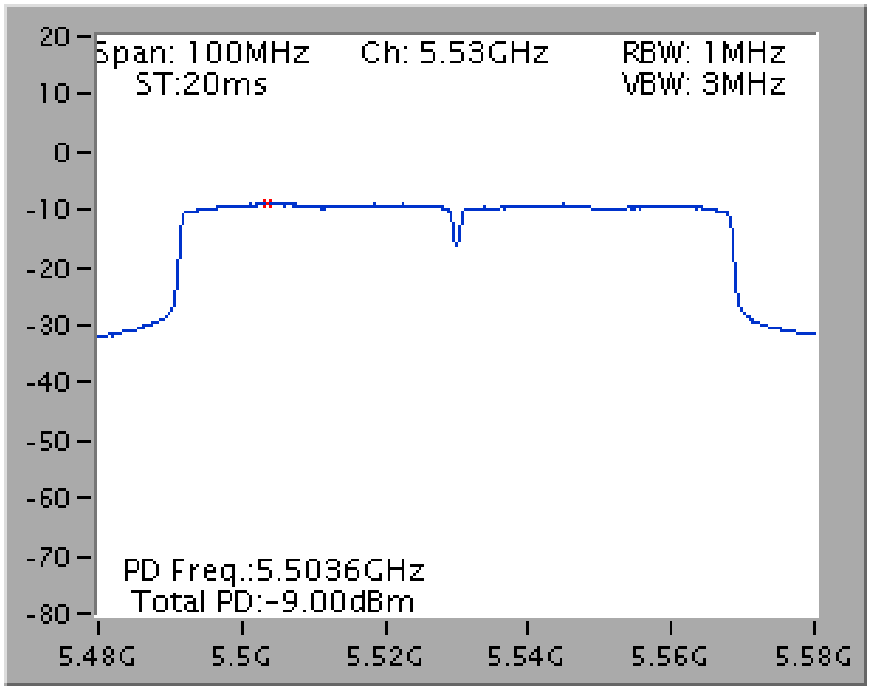
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



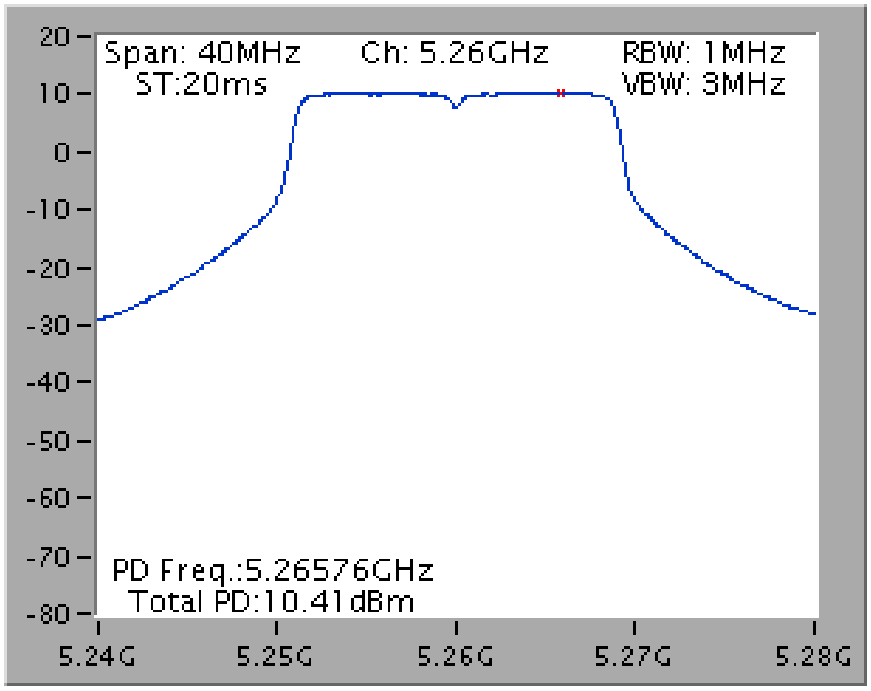
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



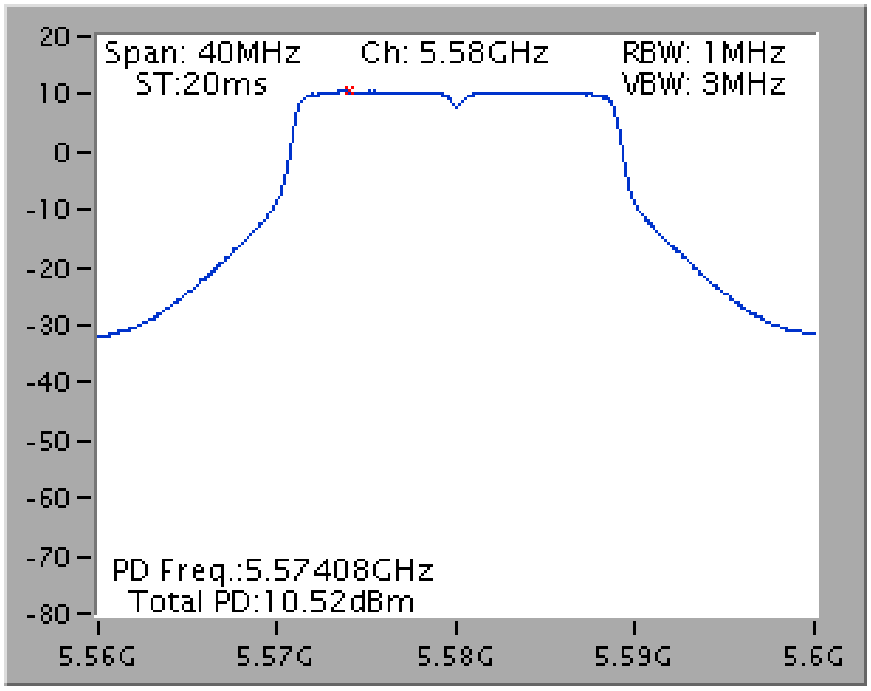
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



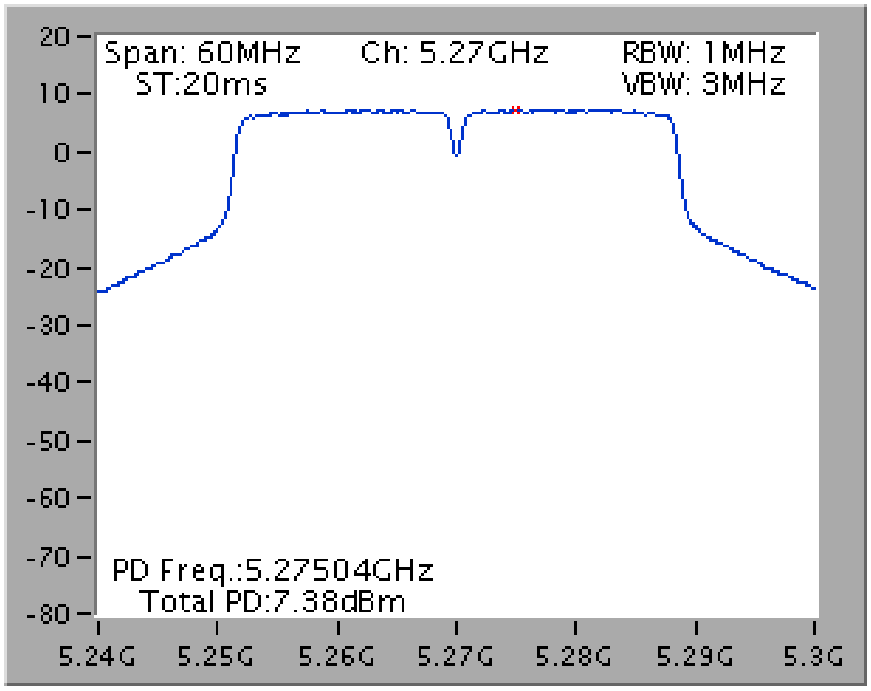
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



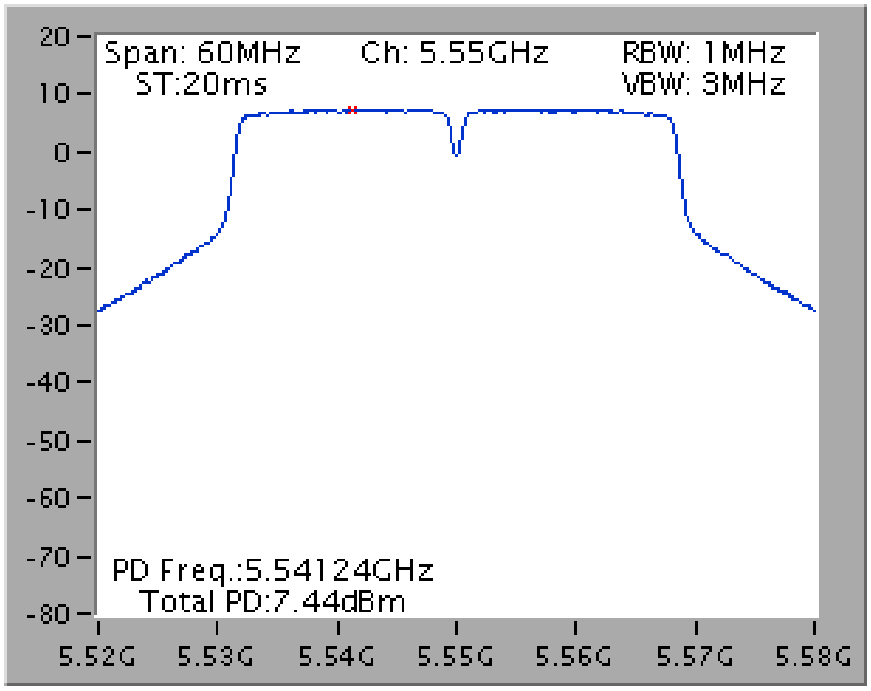
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



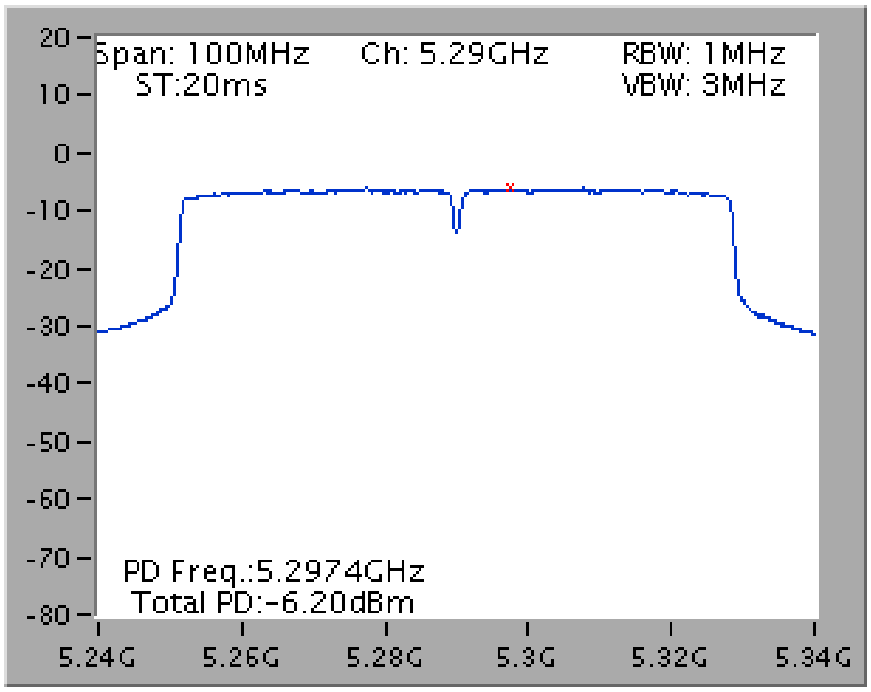
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



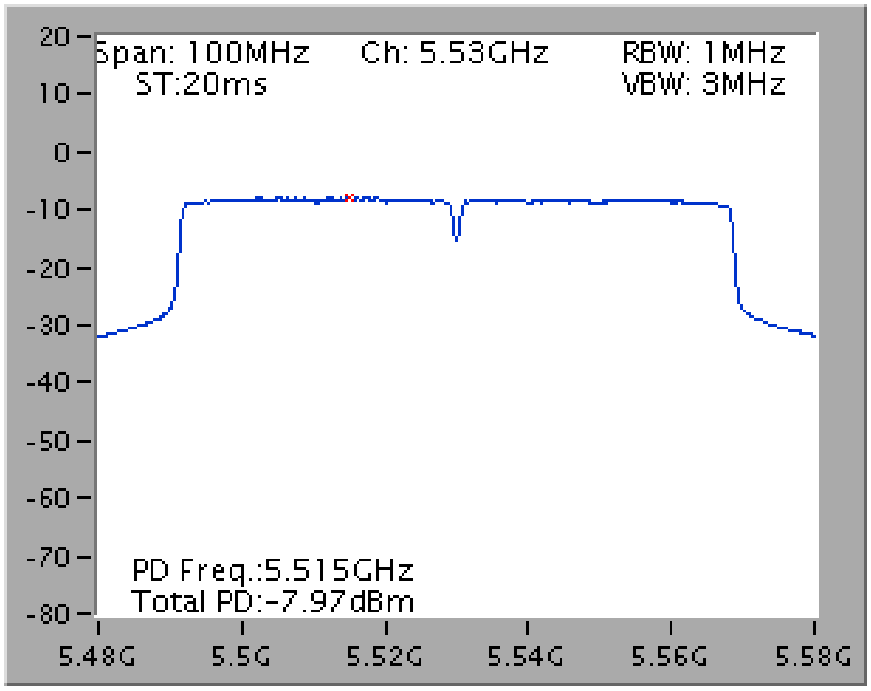
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz

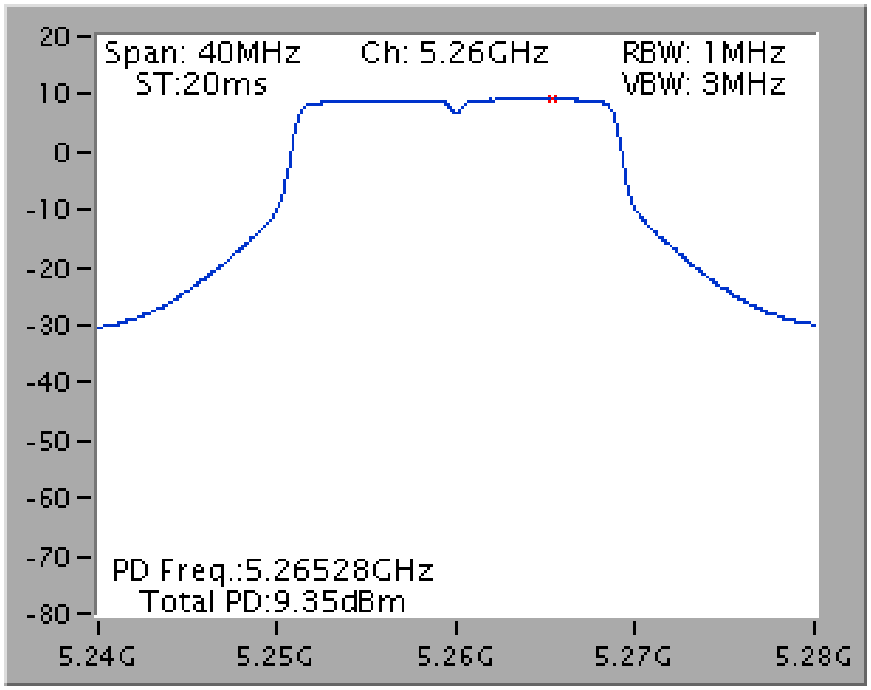


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

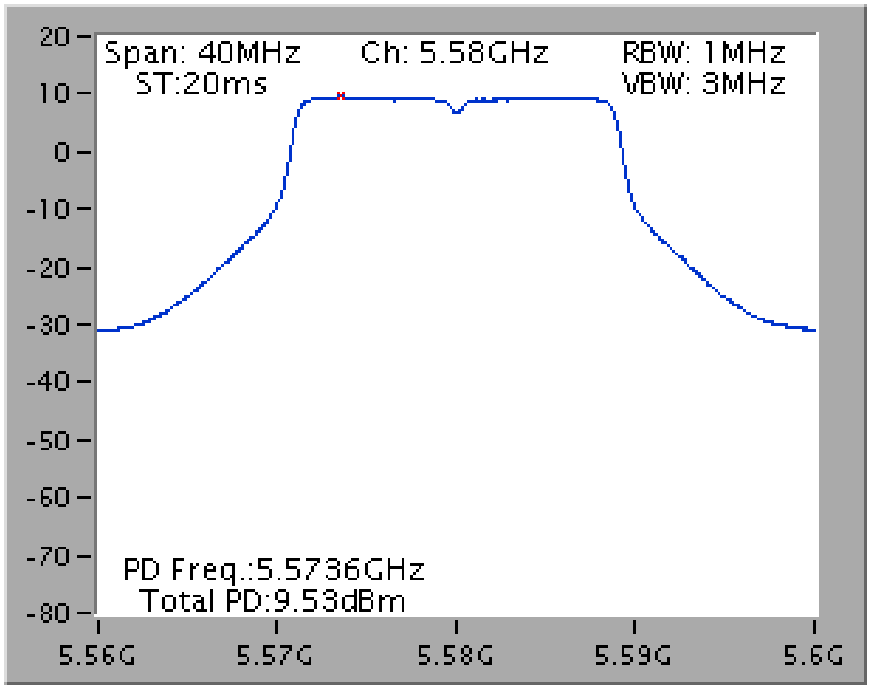


3TX

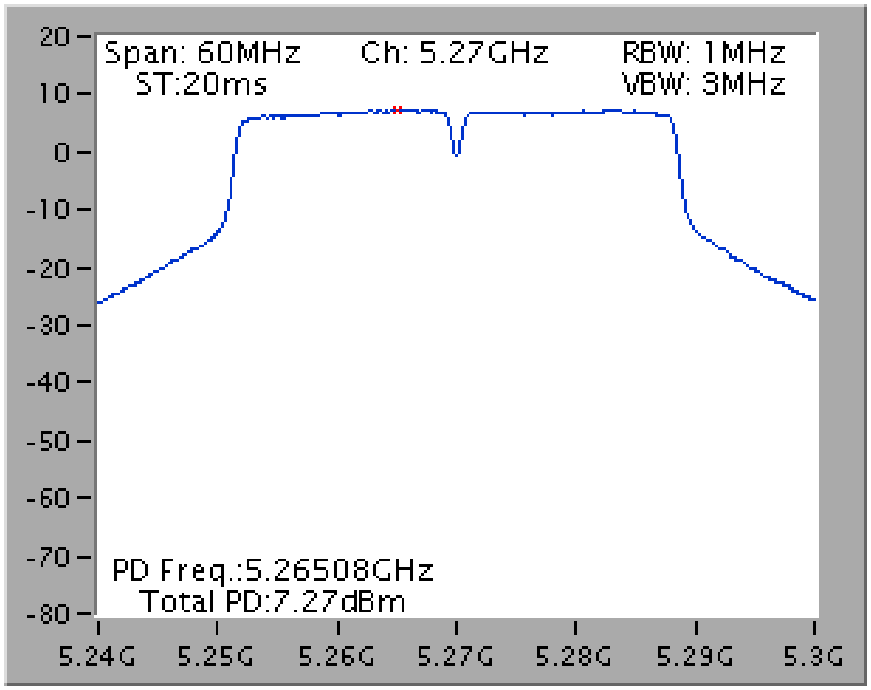
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



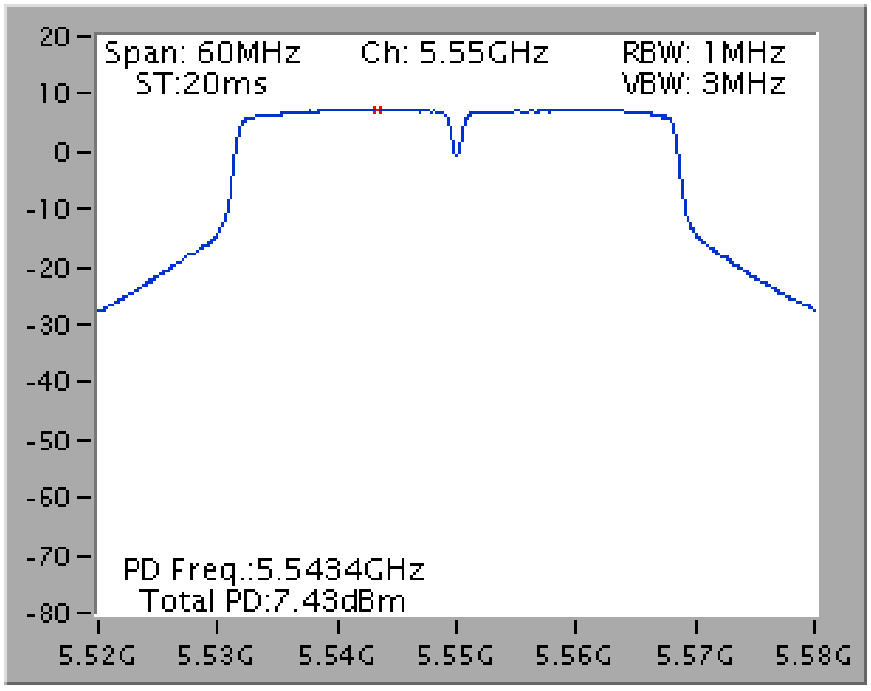
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



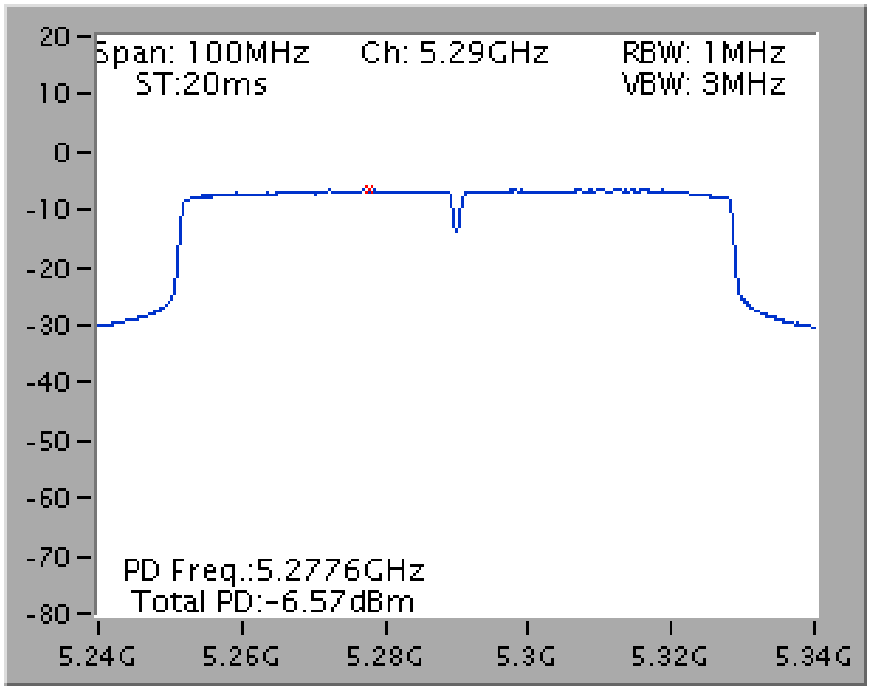
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



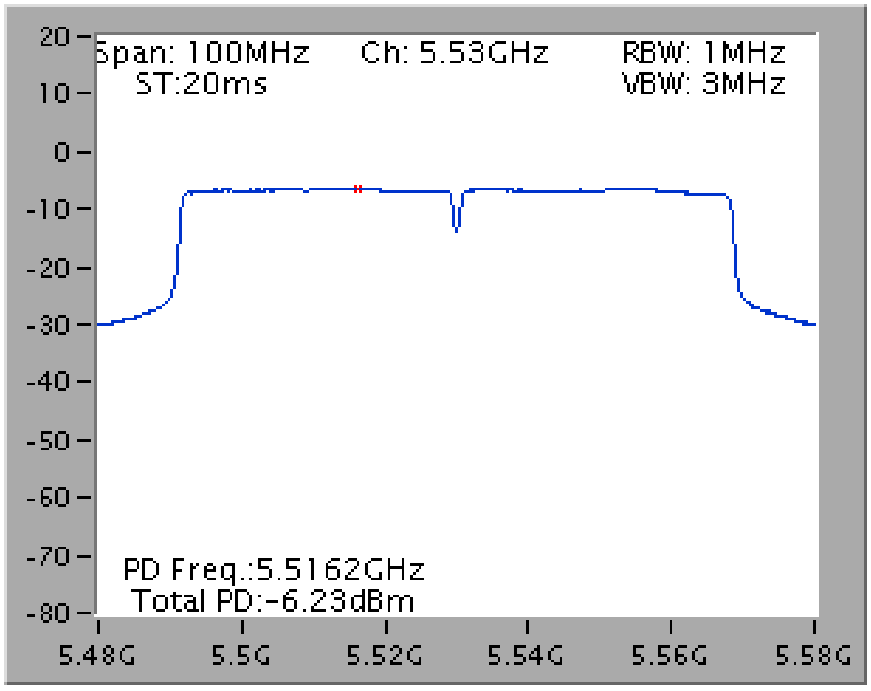
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



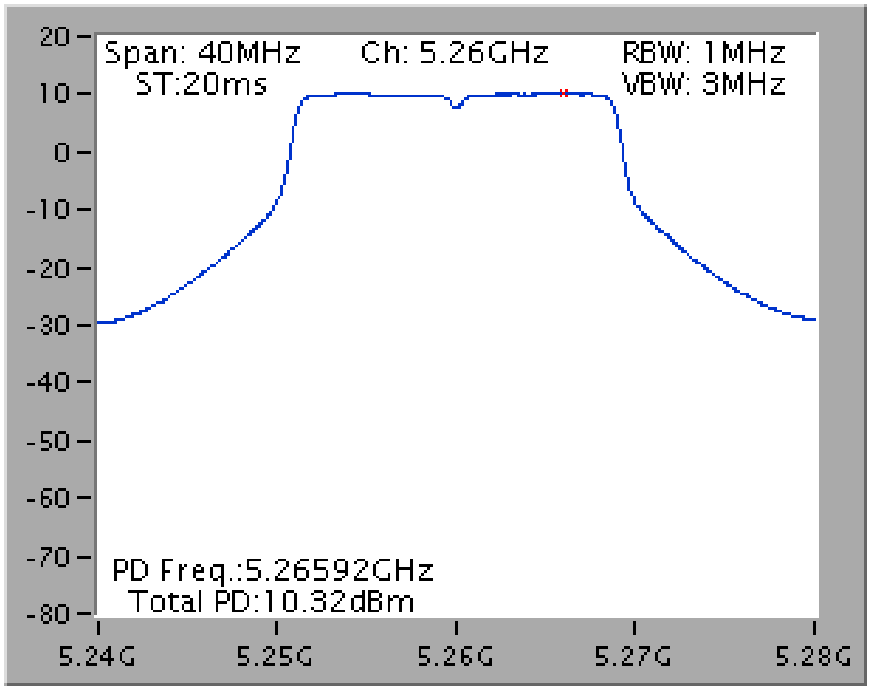
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



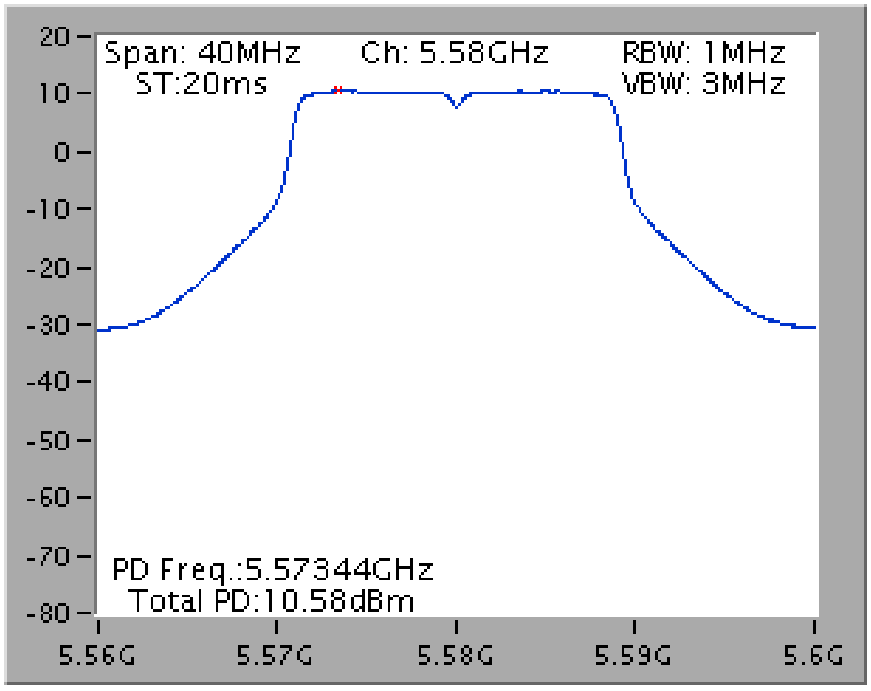
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



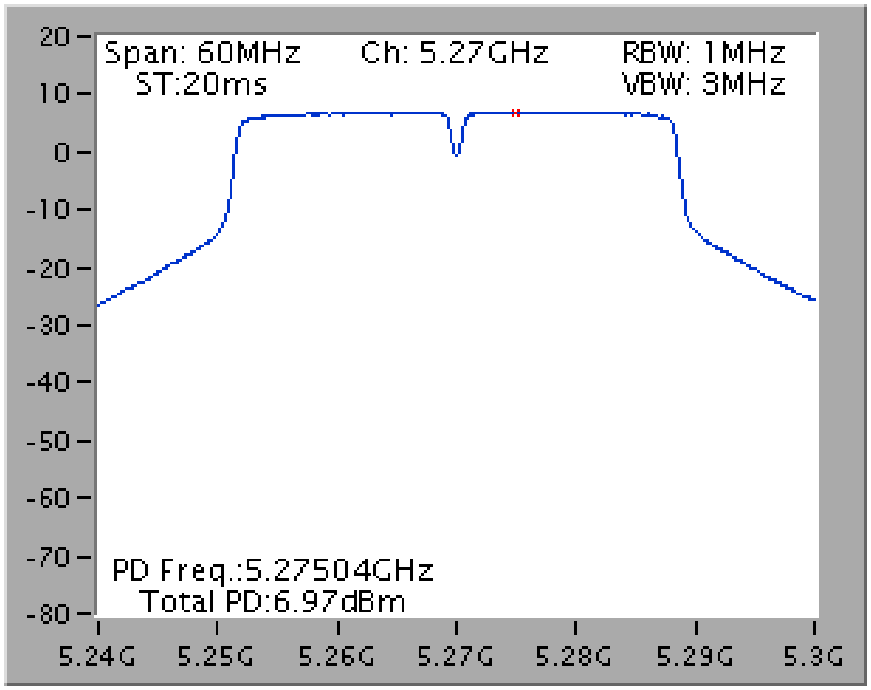
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



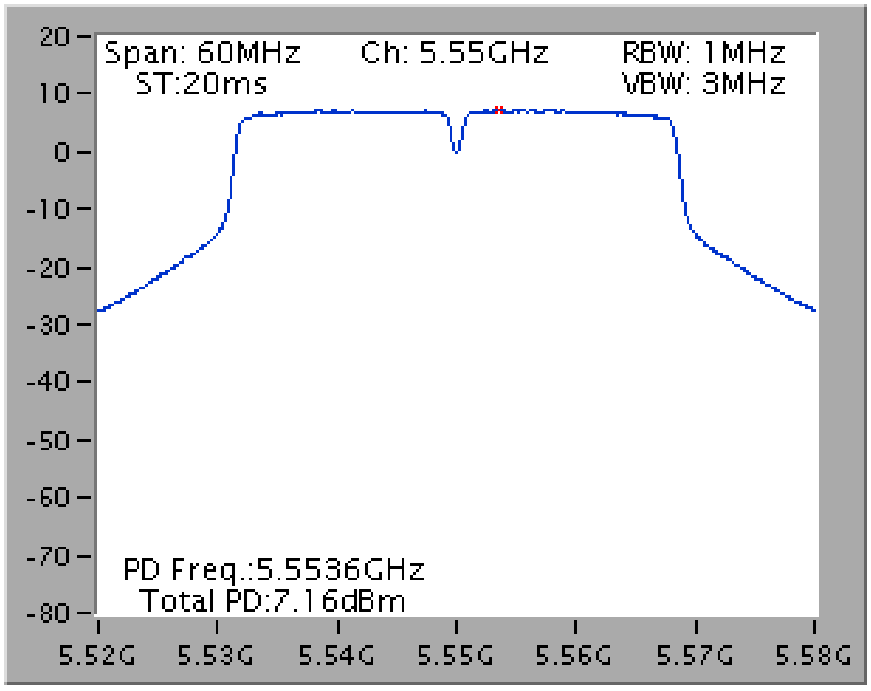
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



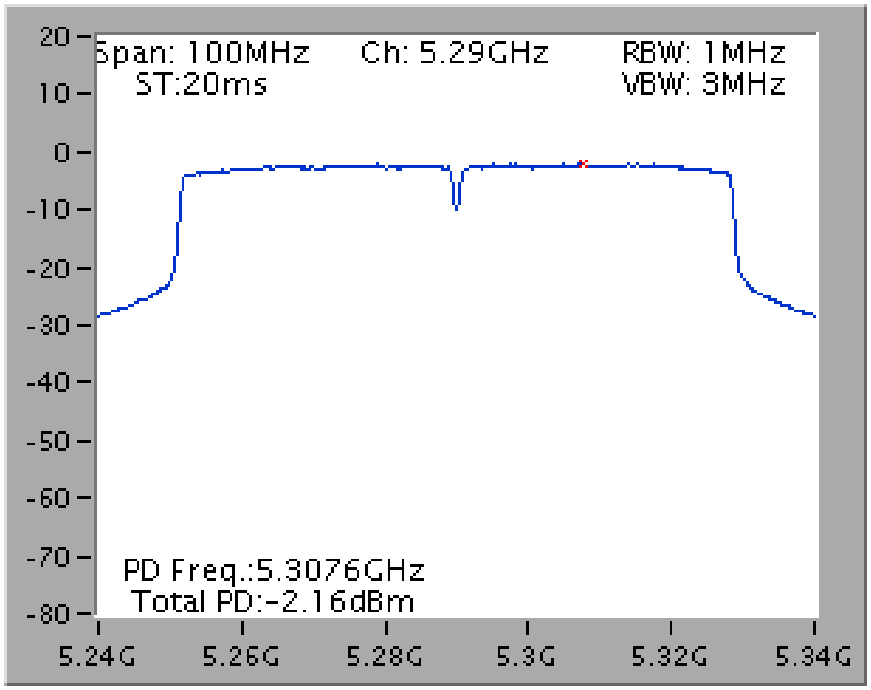
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



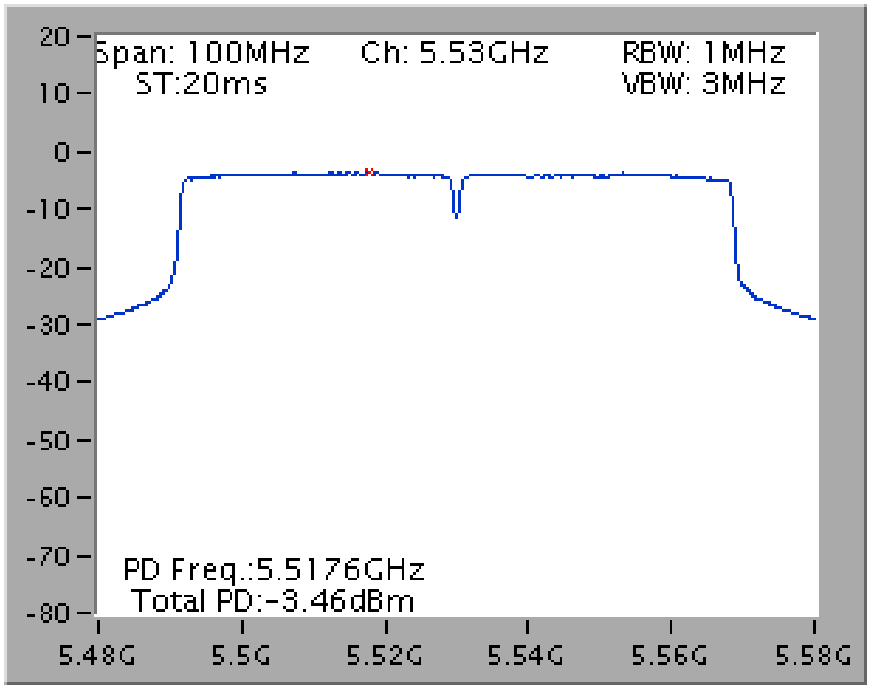
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



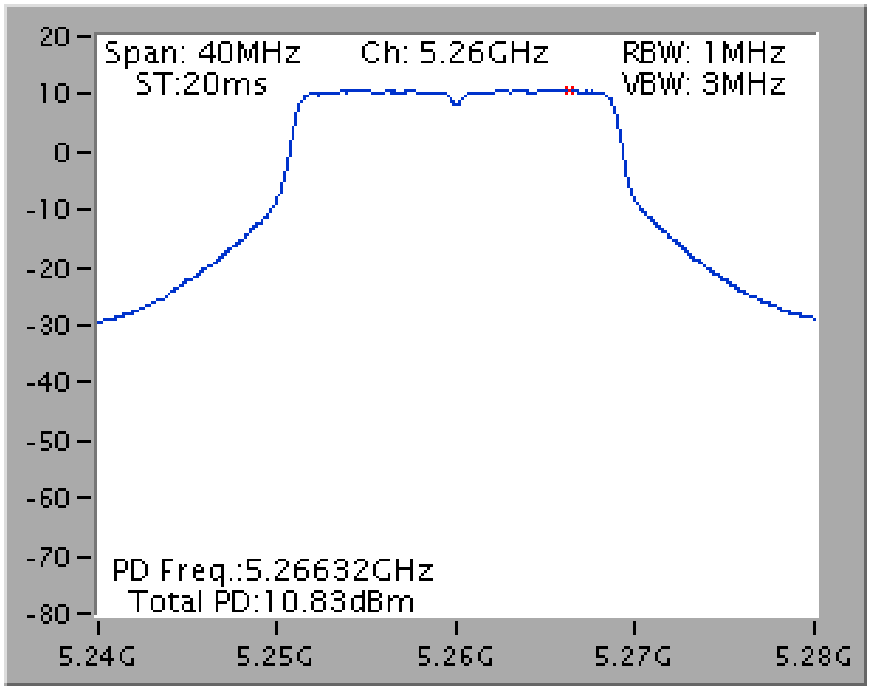
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



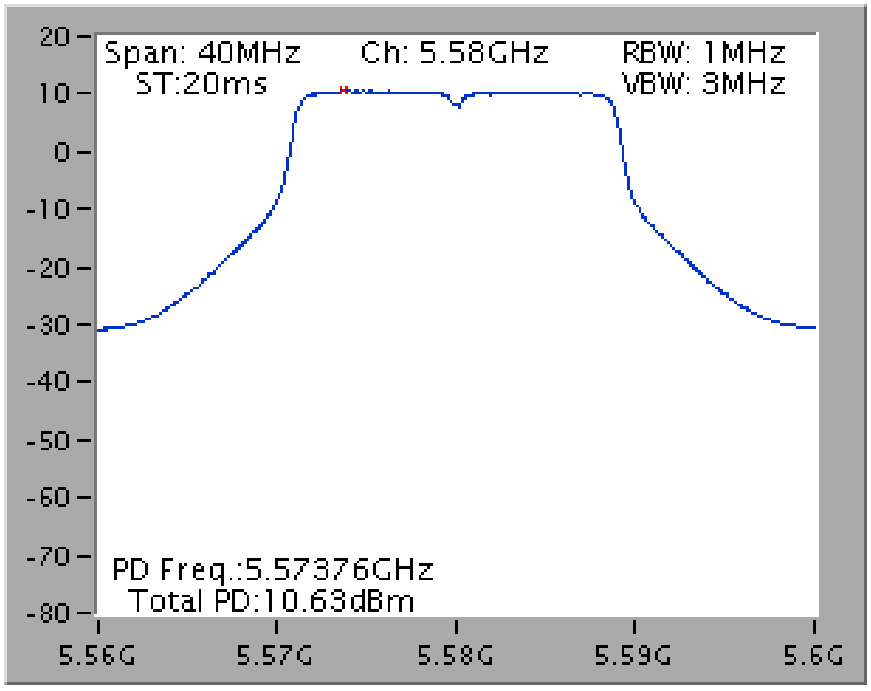
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



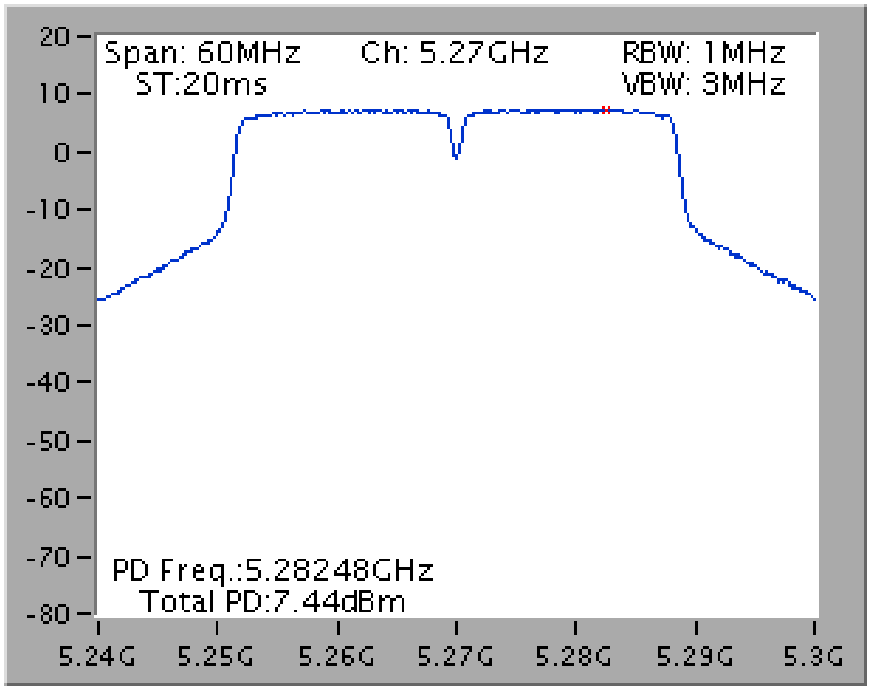
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



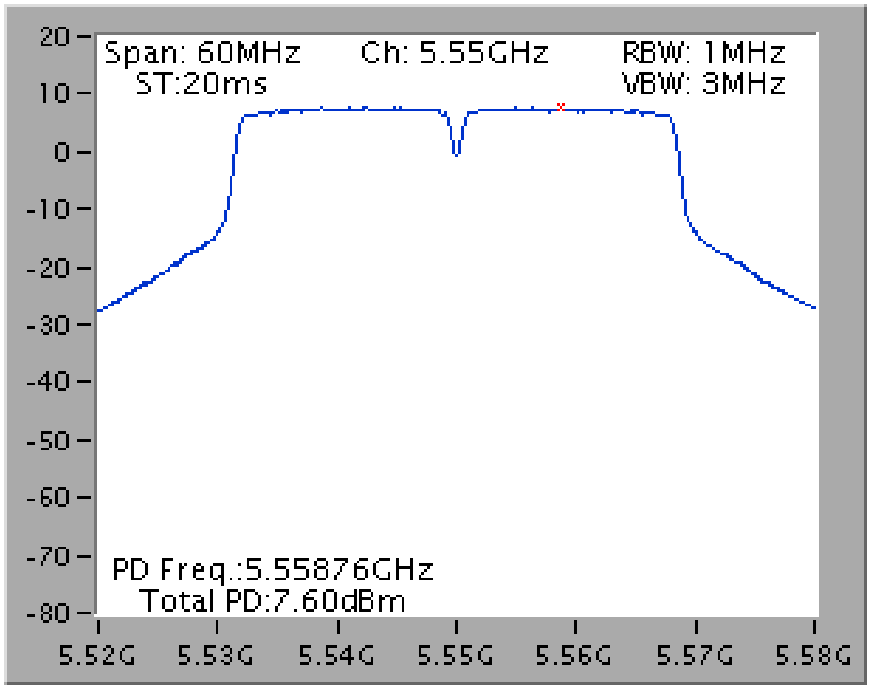
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



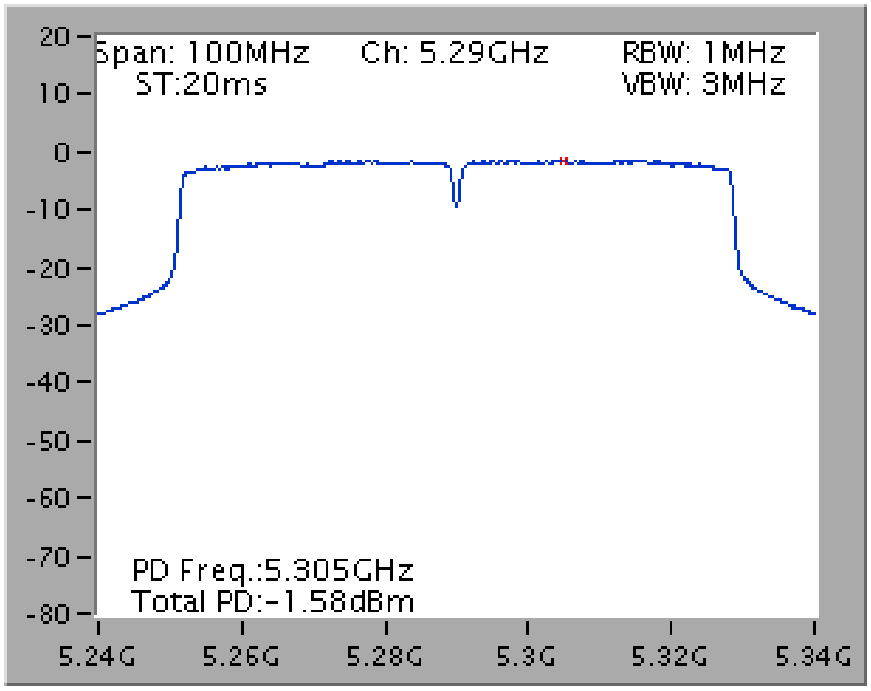
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



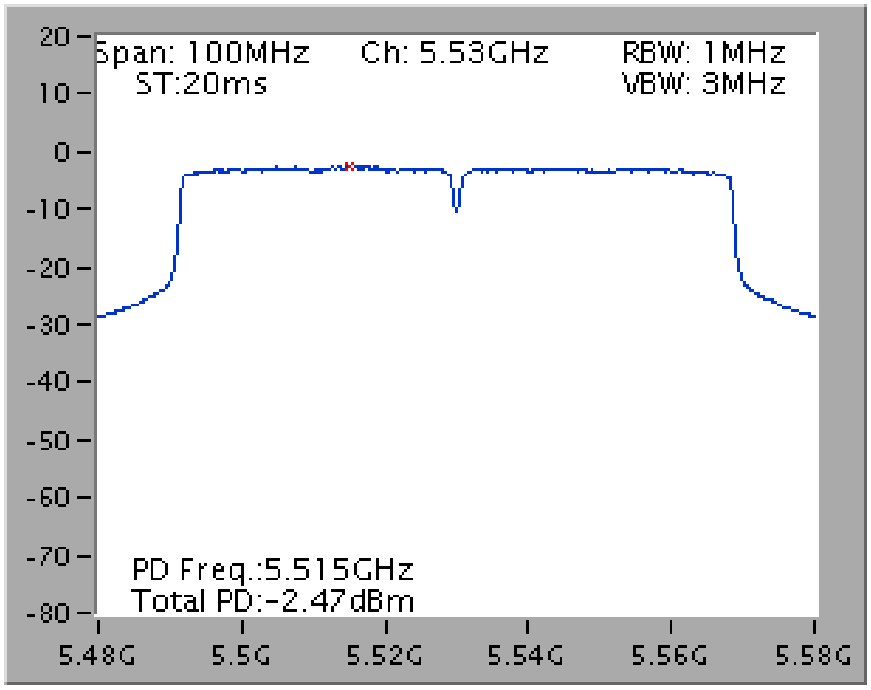
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



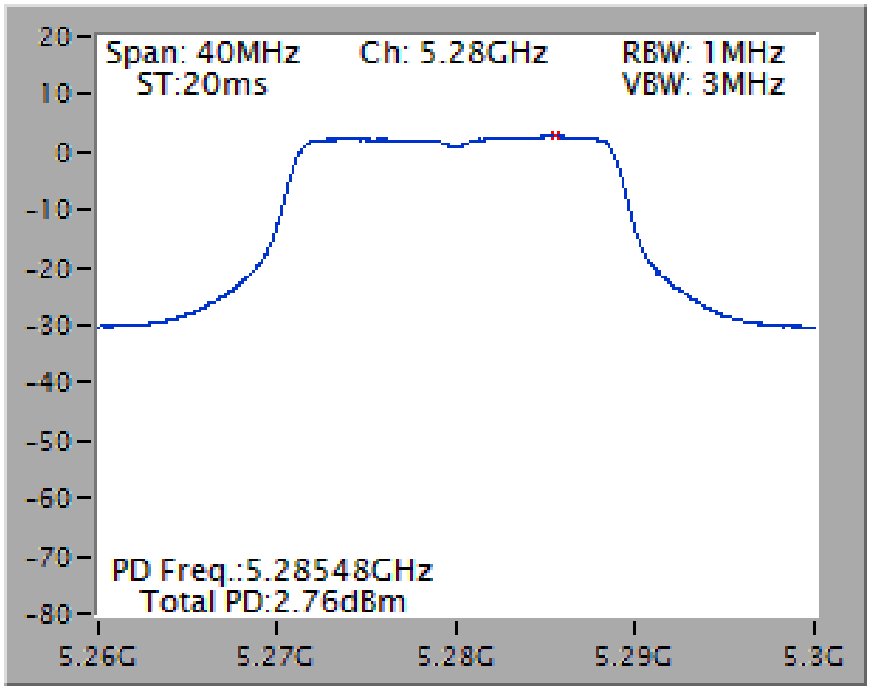
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



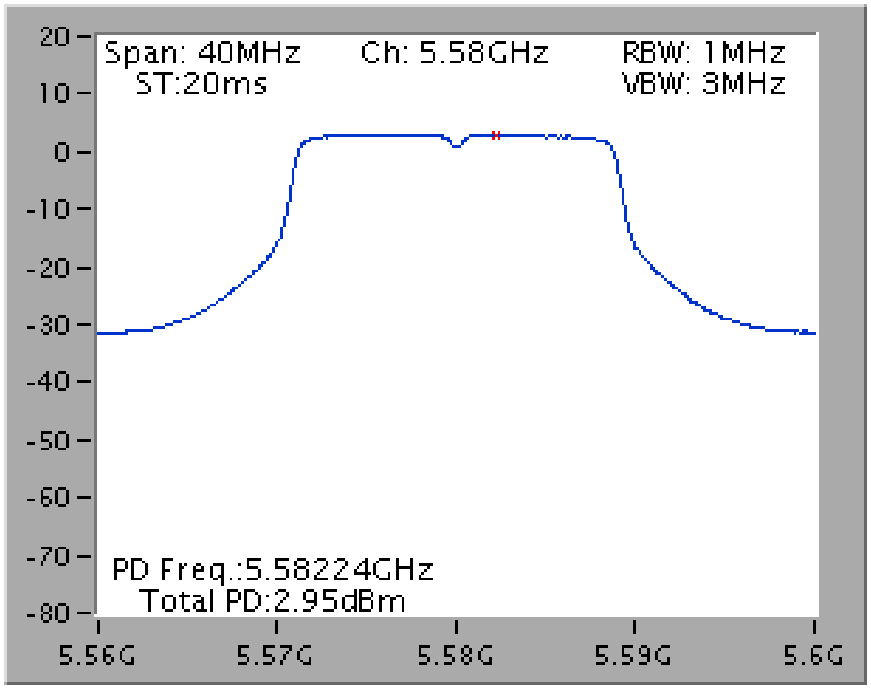
Mode 6 (Ant.9 Panel antenna / 9.2dBi)

3TX

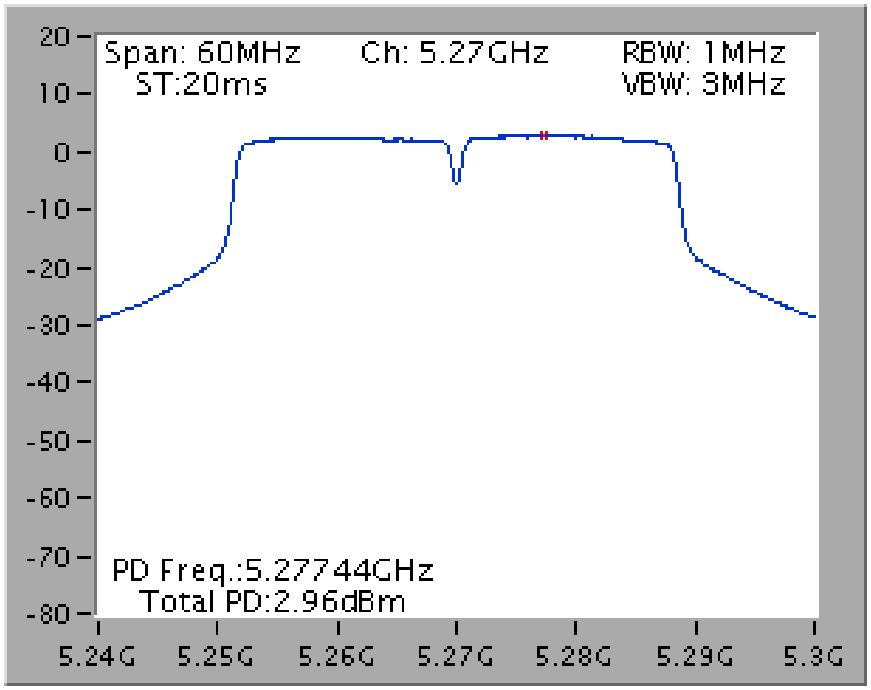
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



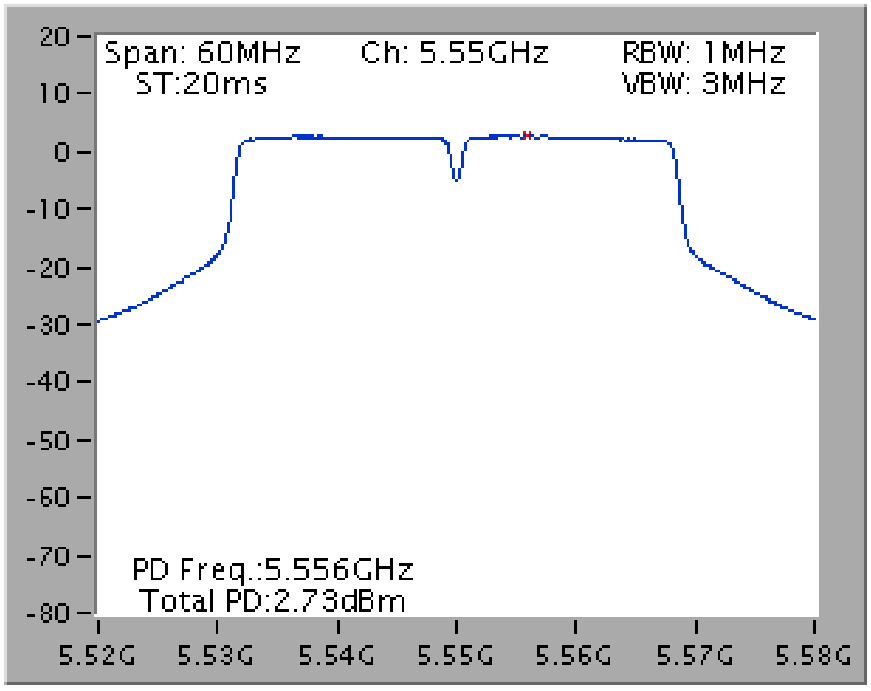
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



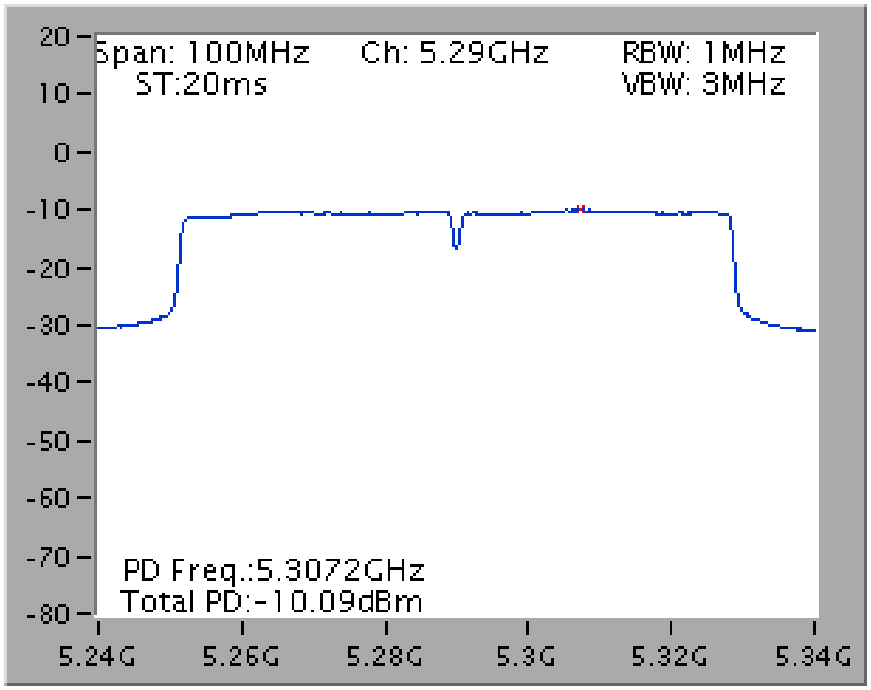
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



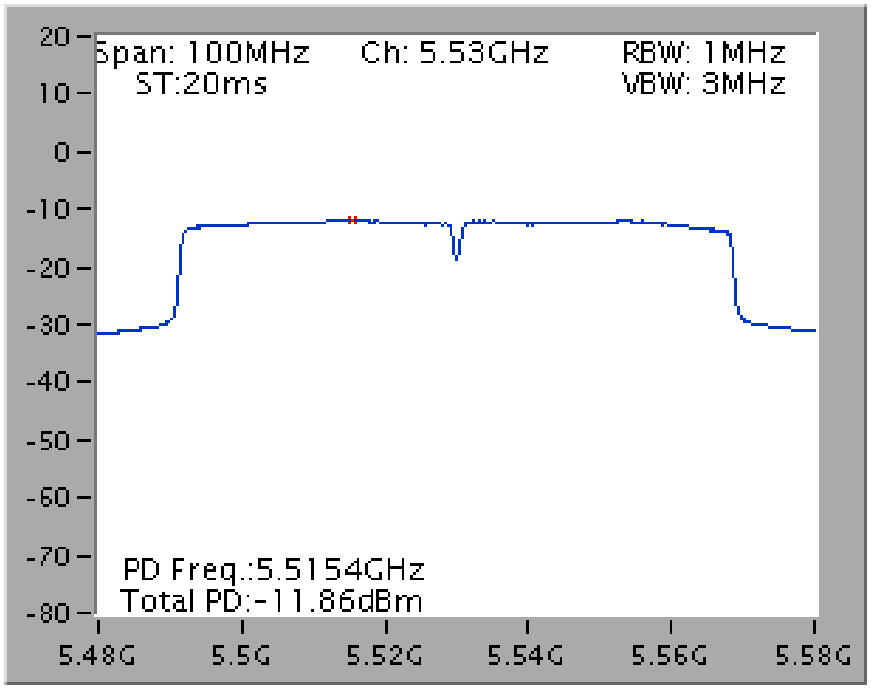
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



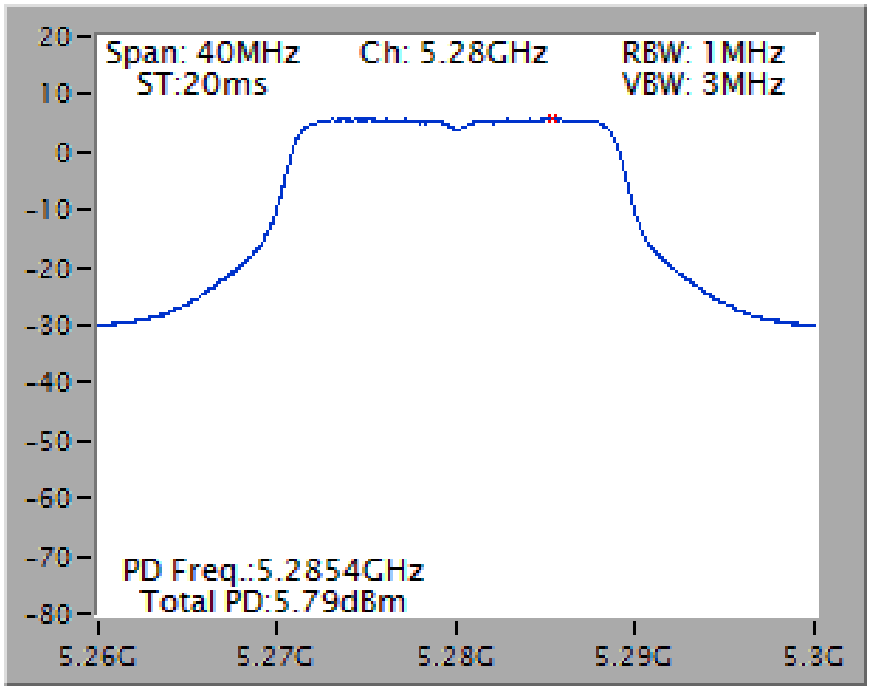
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



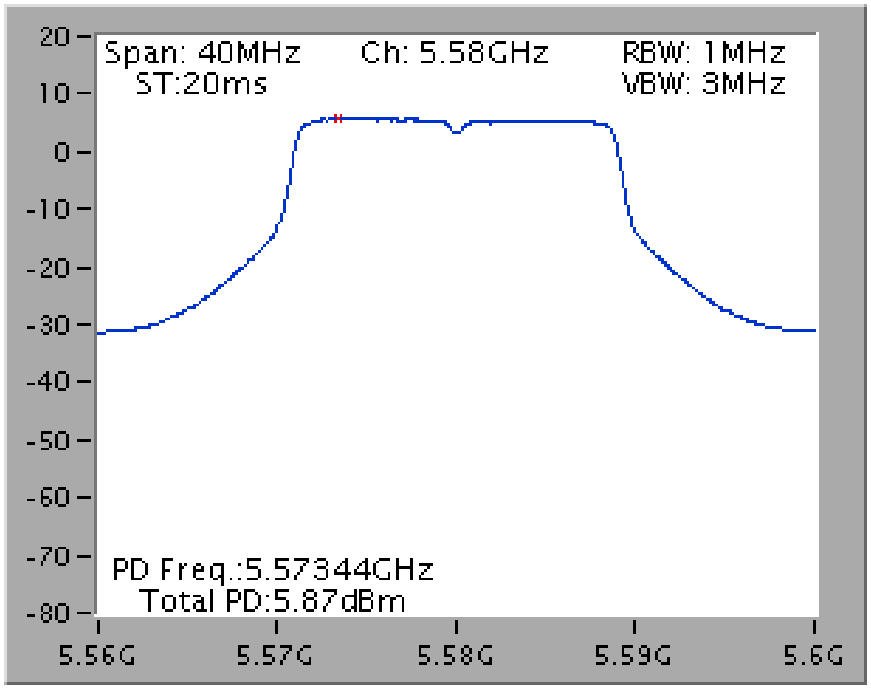
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



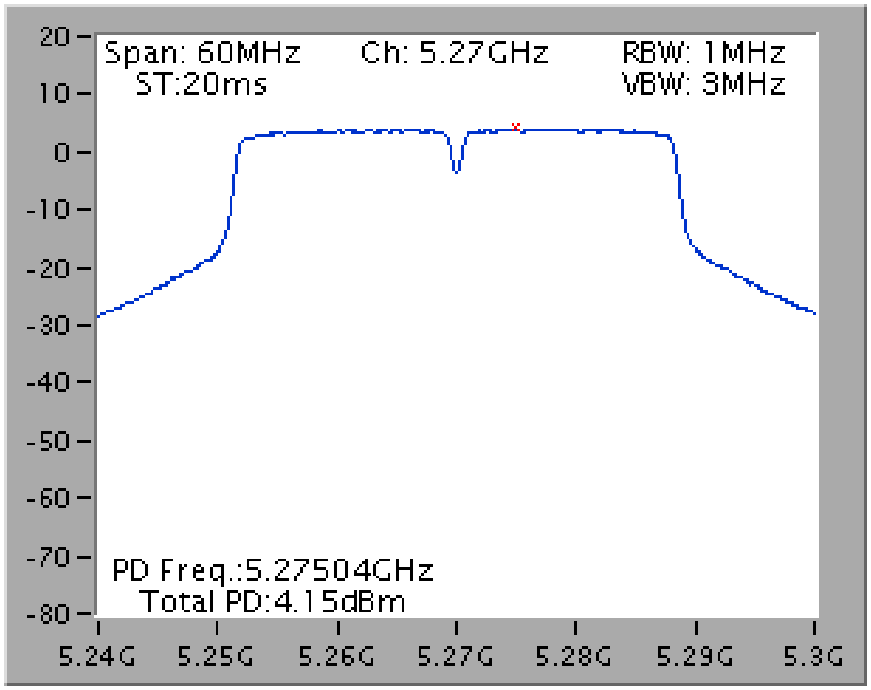
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



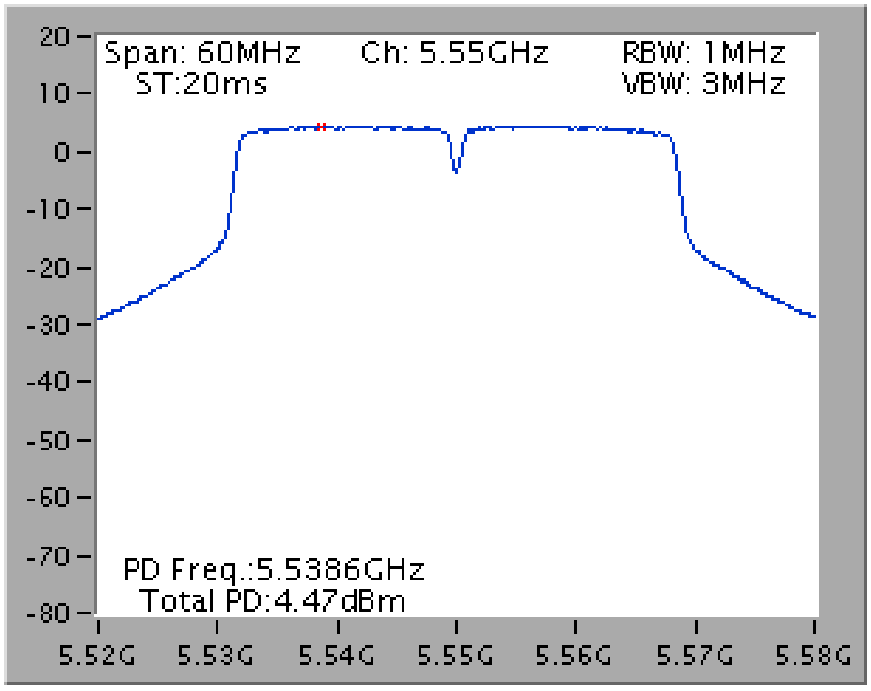
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



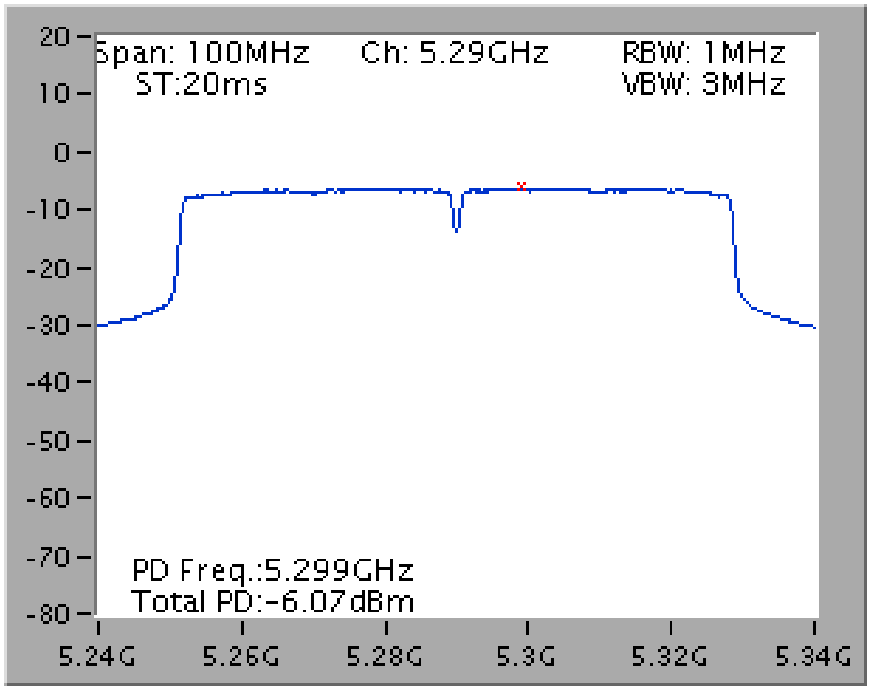
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



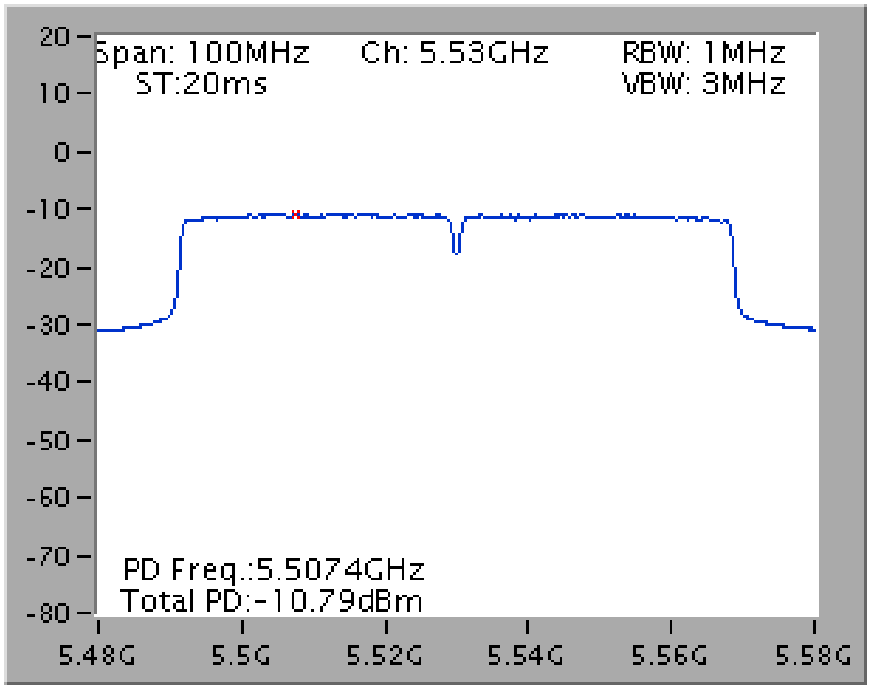
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



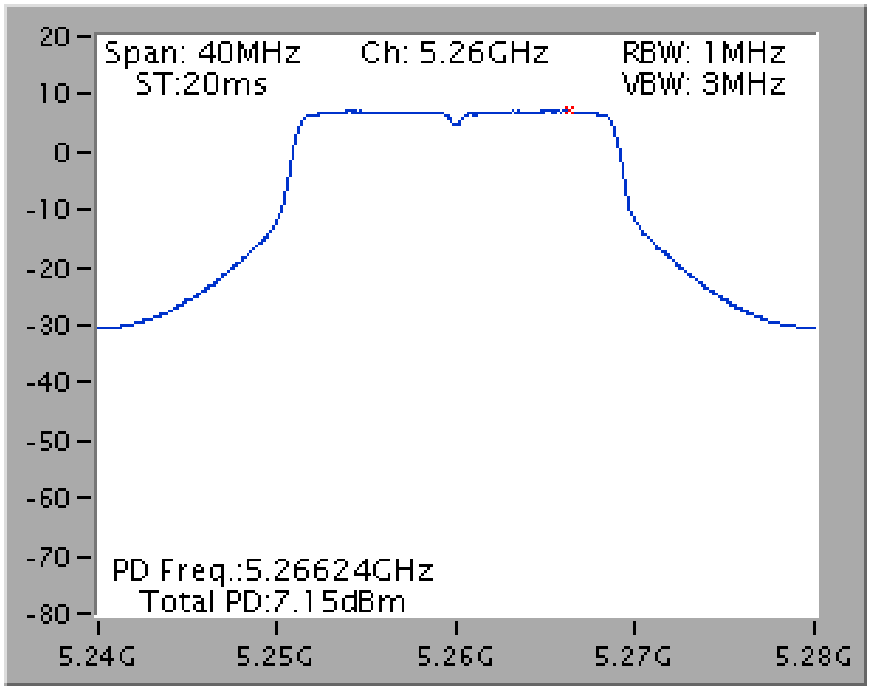
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



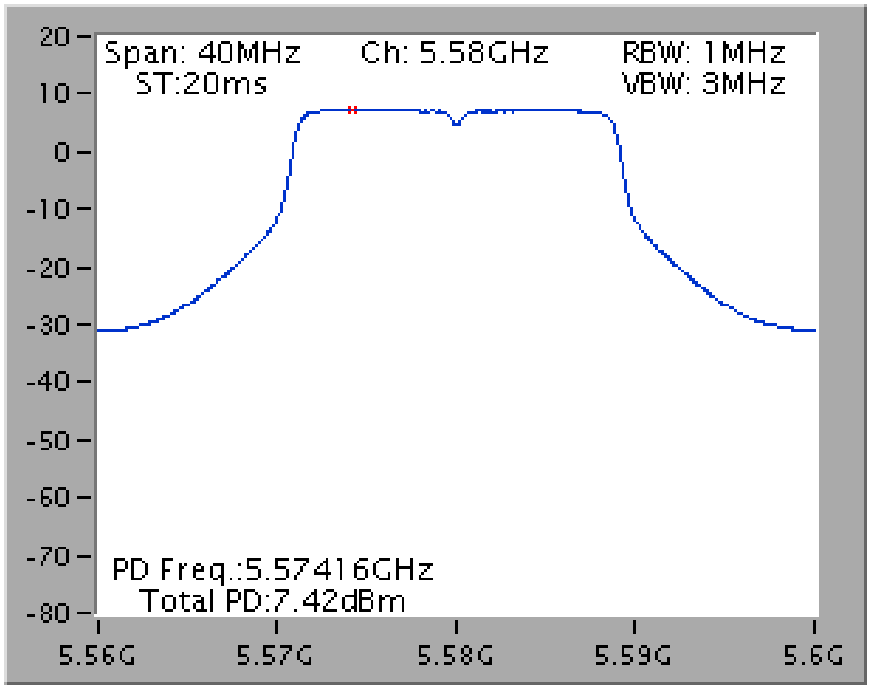
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



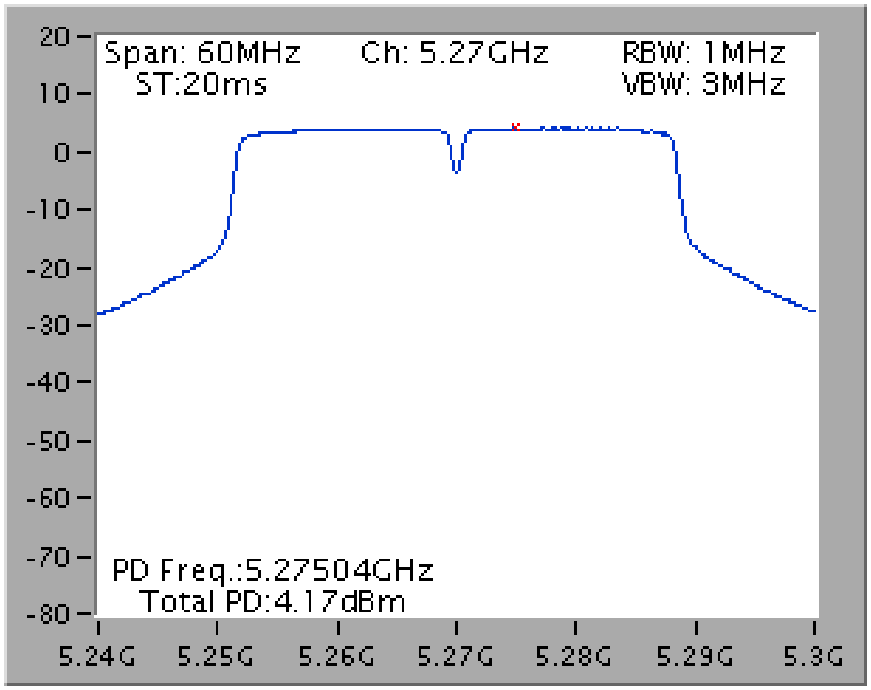
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



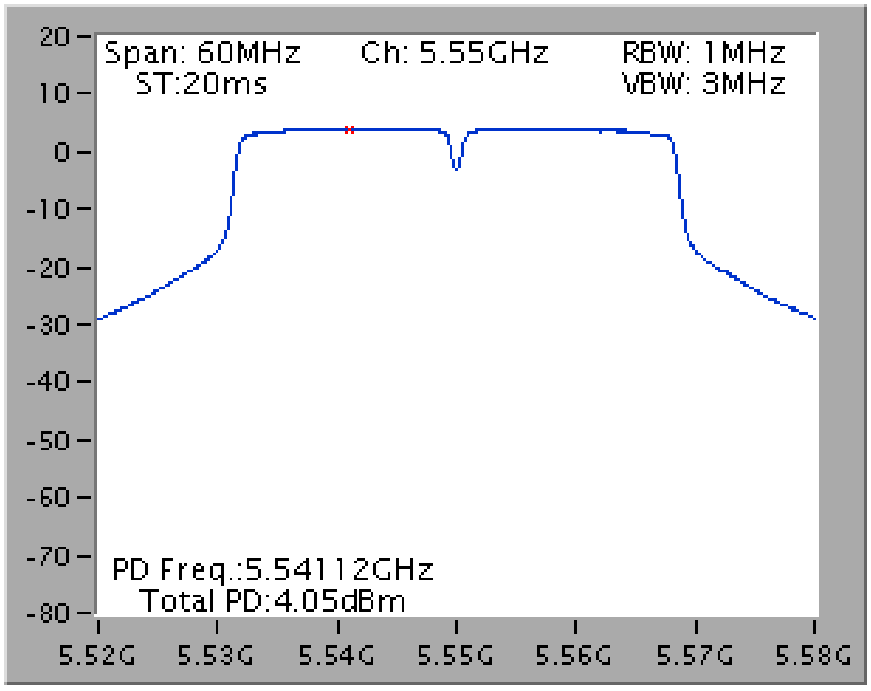
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



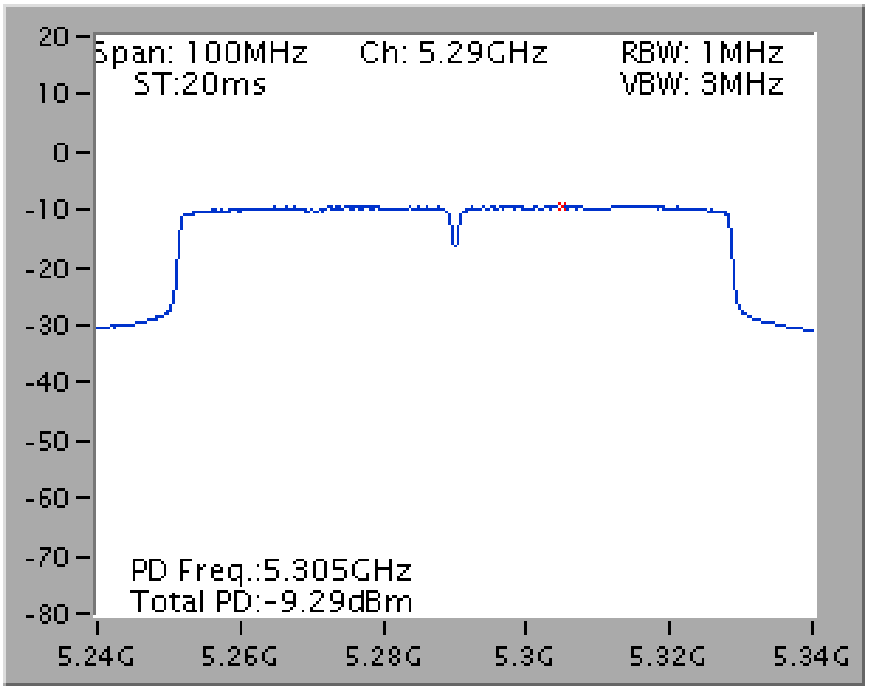
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



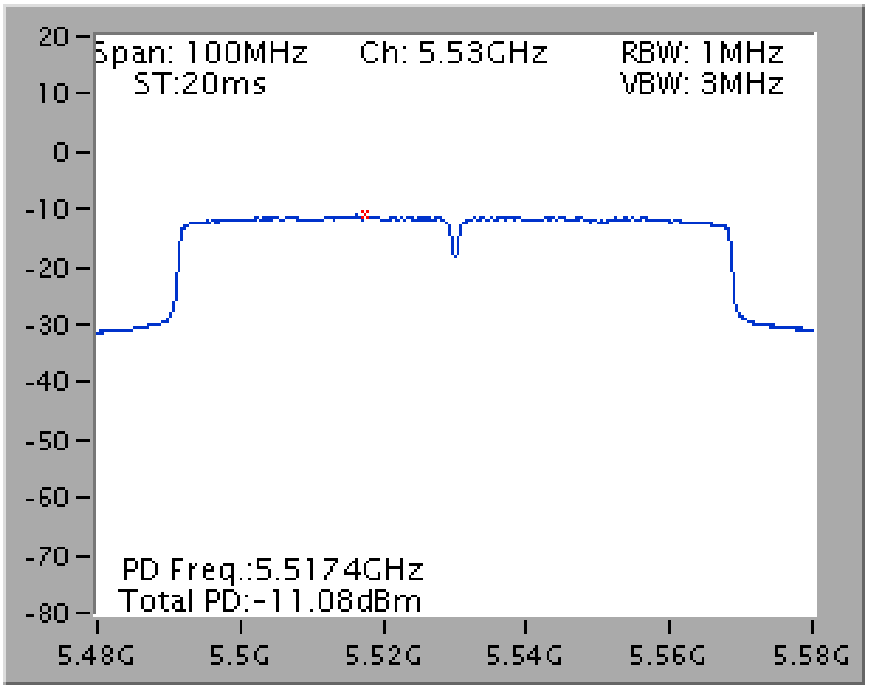
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



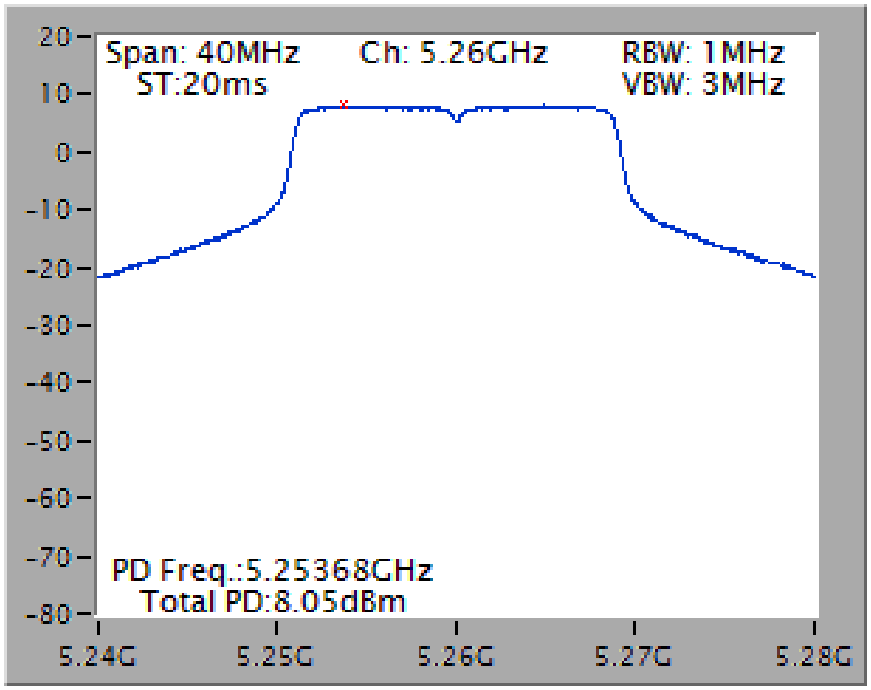
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



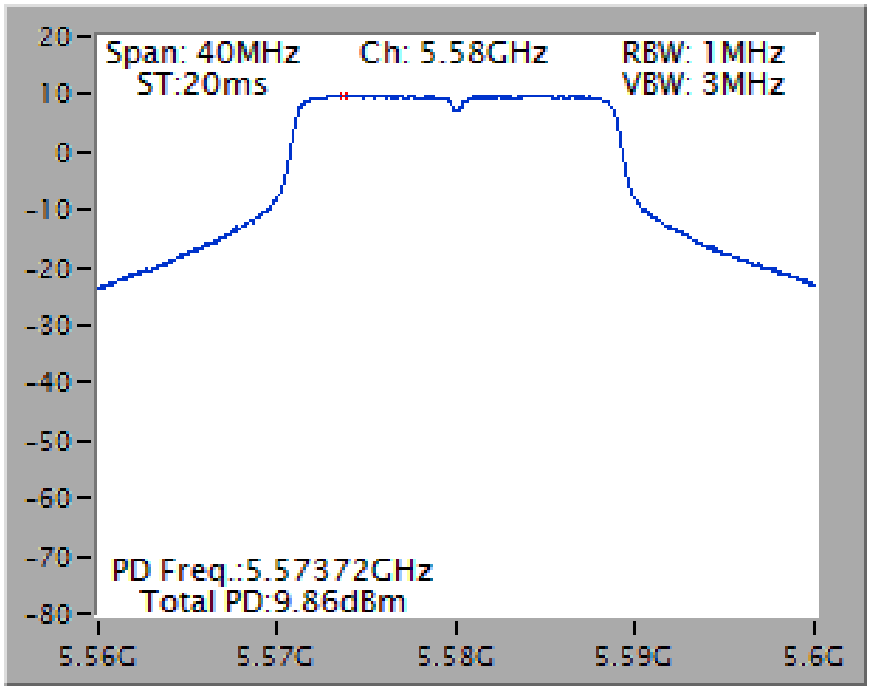
Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

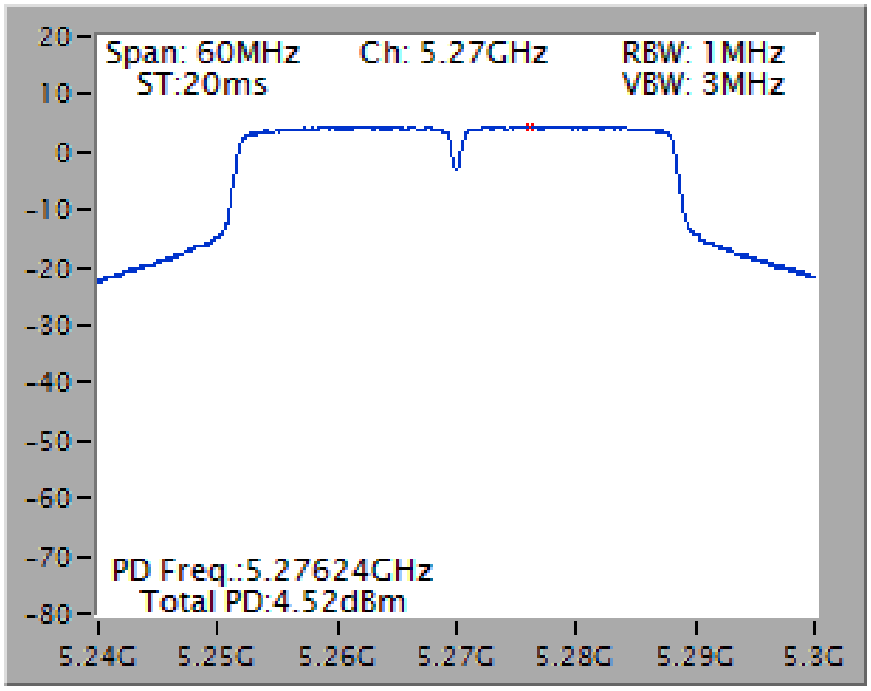
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



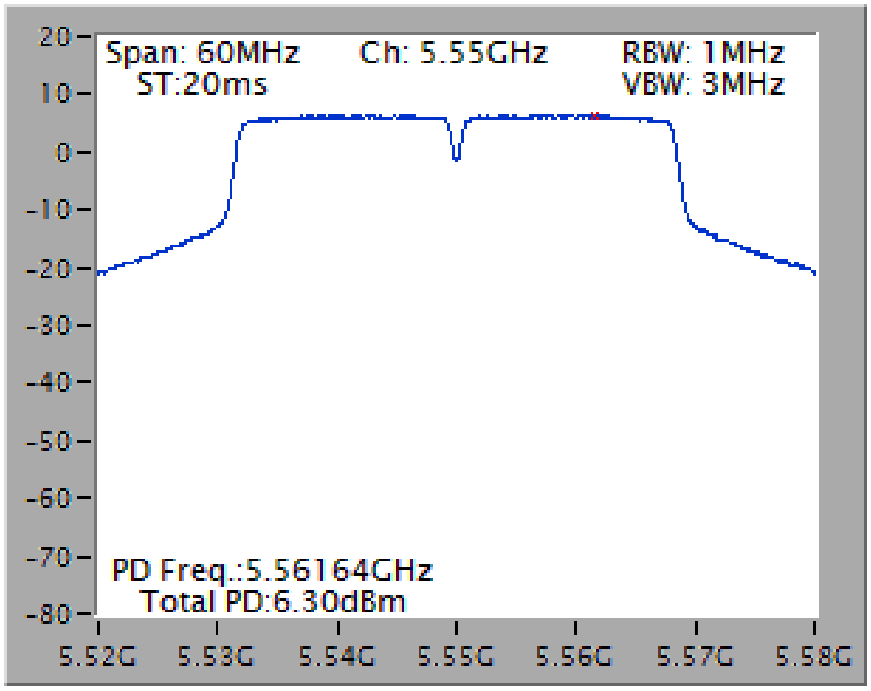
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



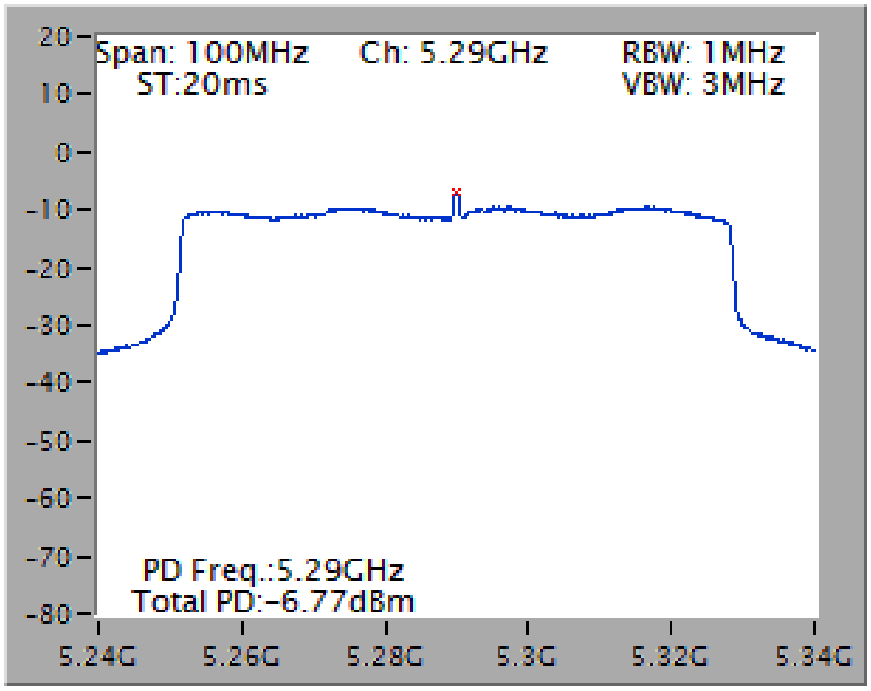
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



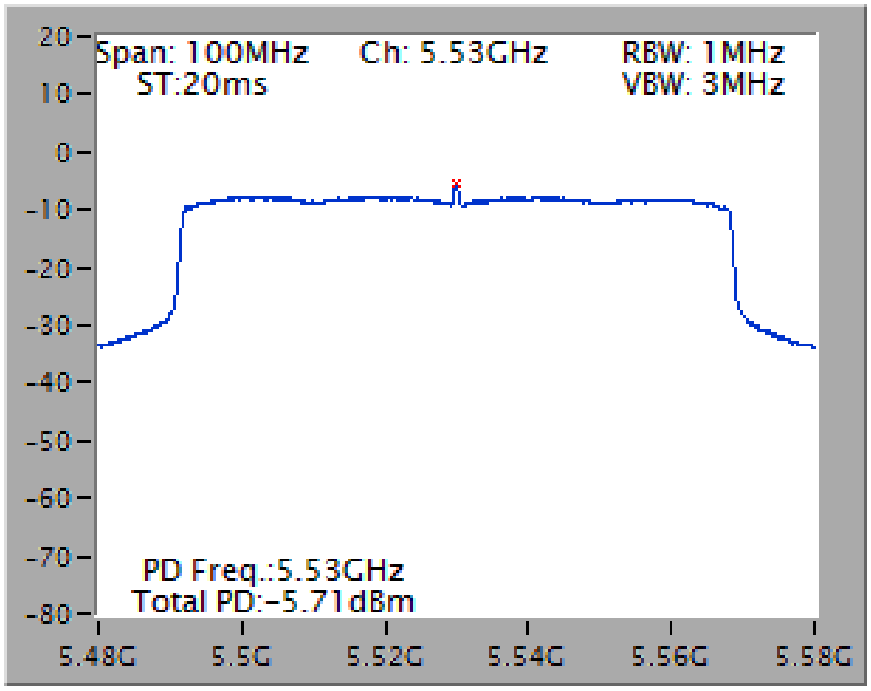
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz

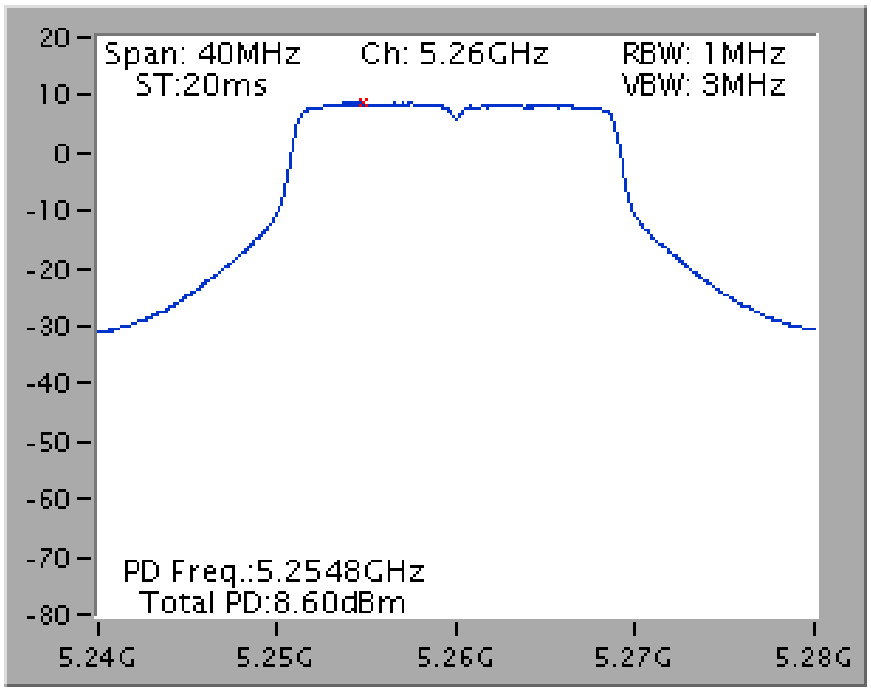


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz

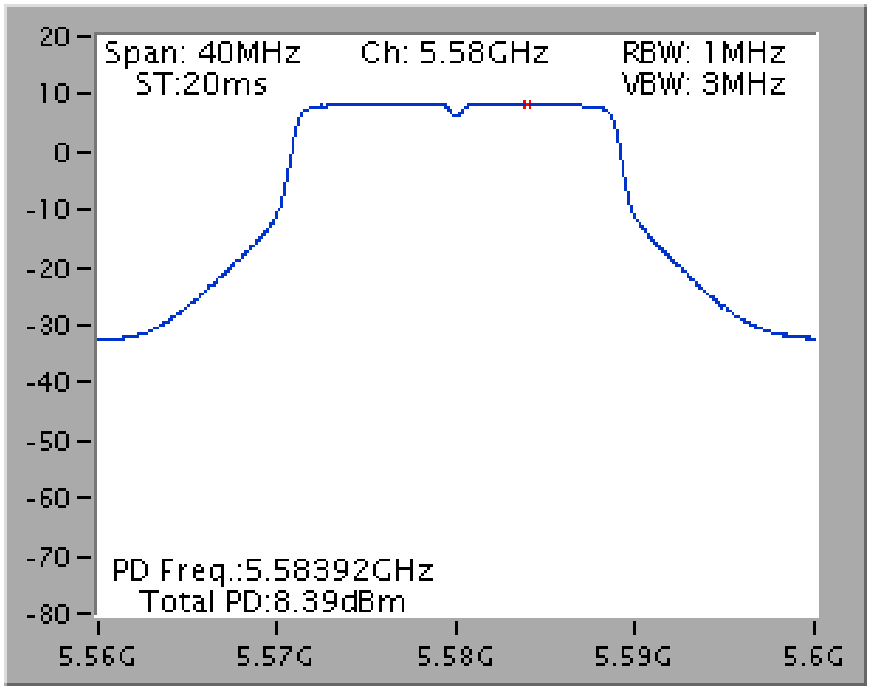


2TX

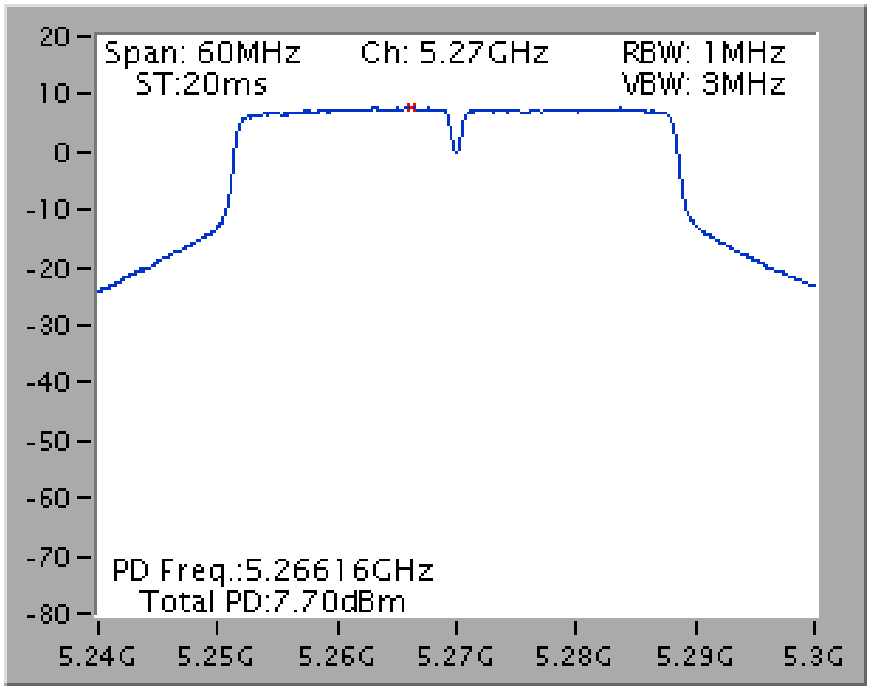
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



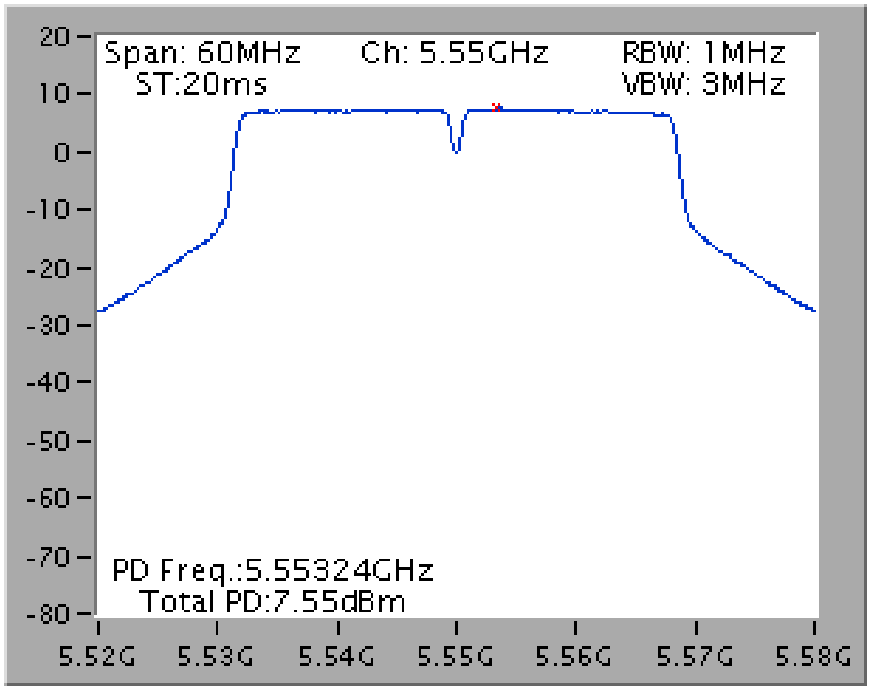
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



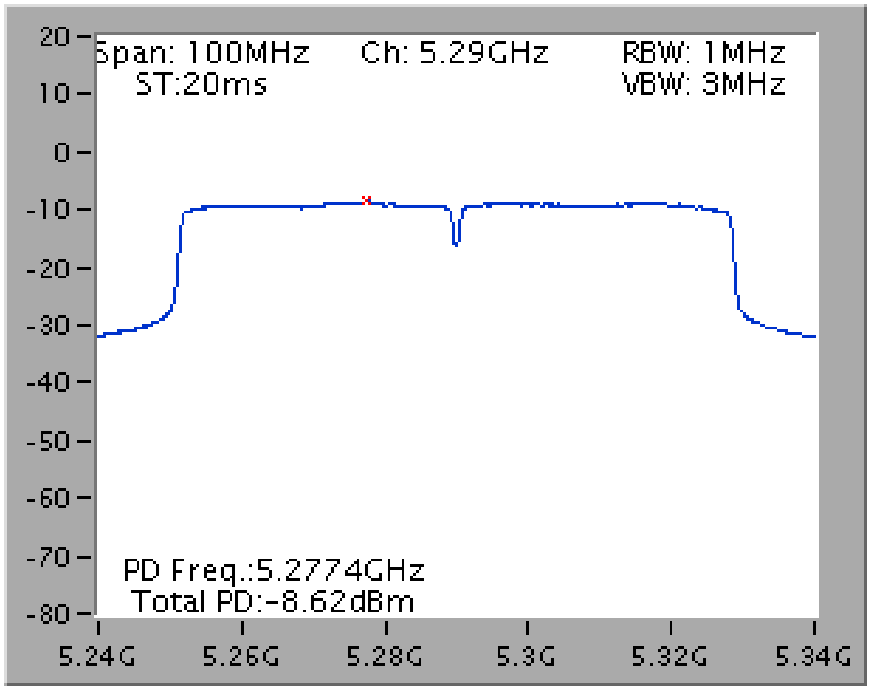
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 / 5270 MHz



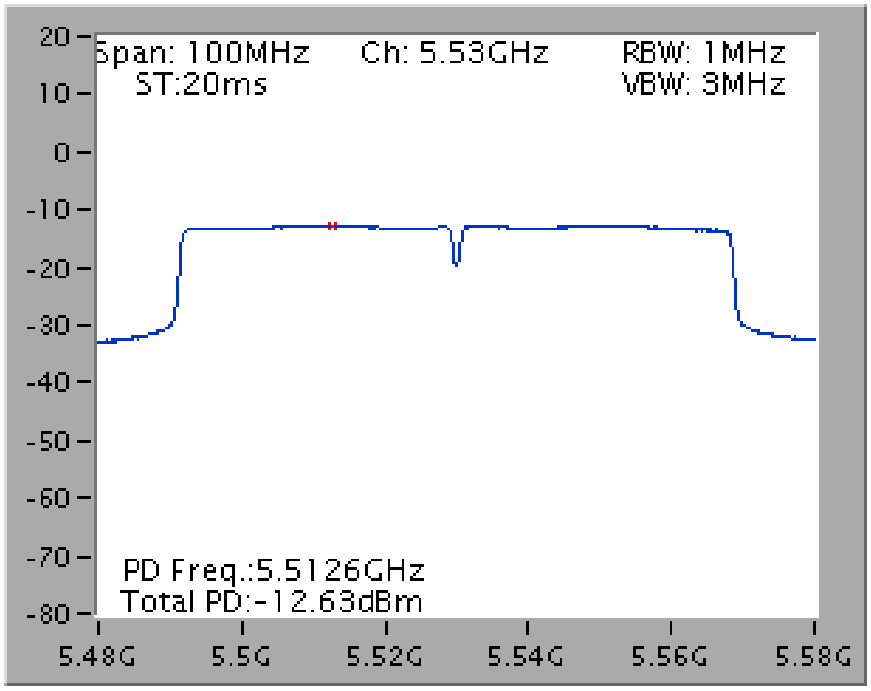
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



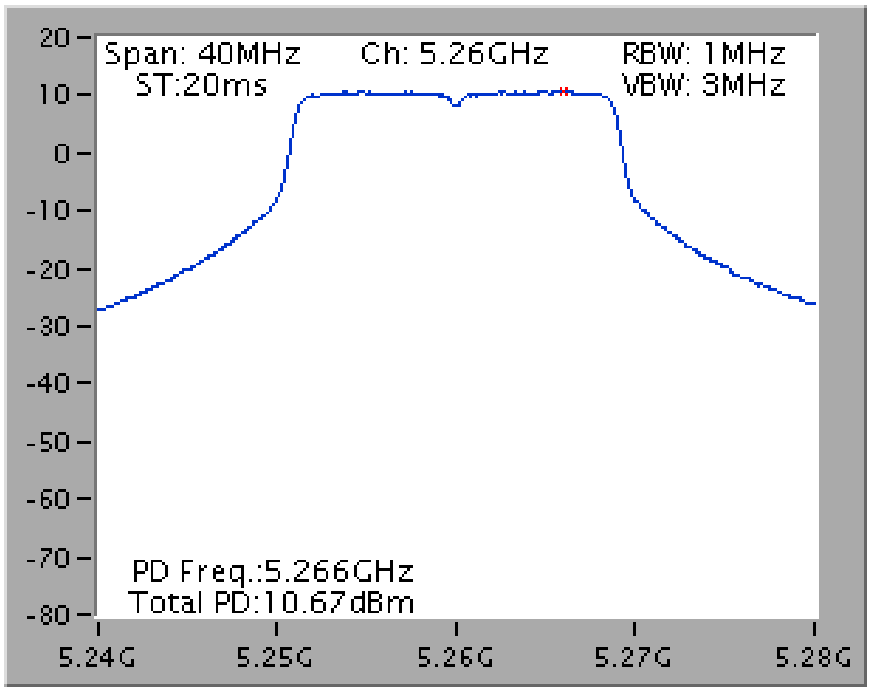
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



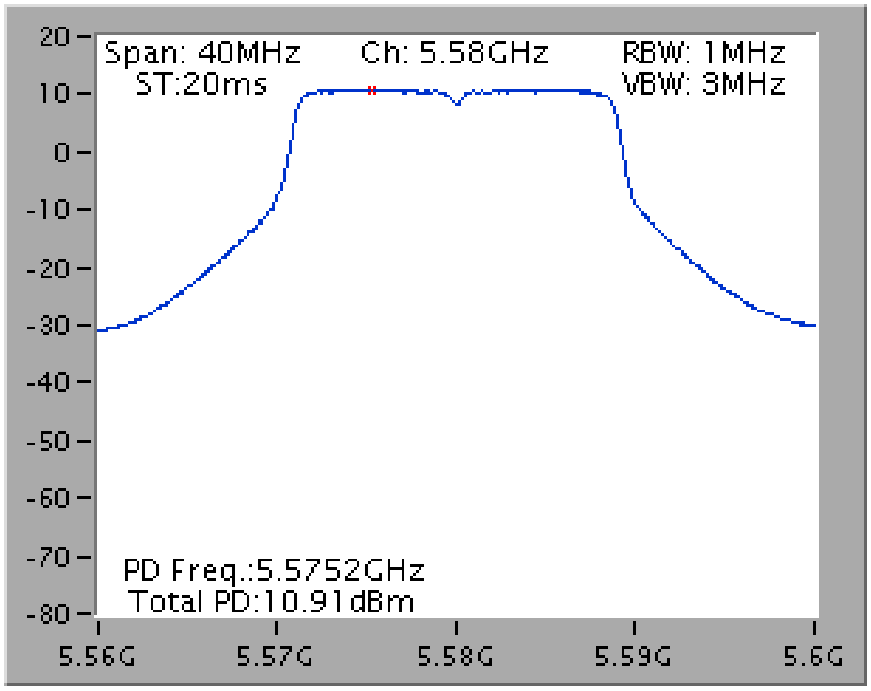
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



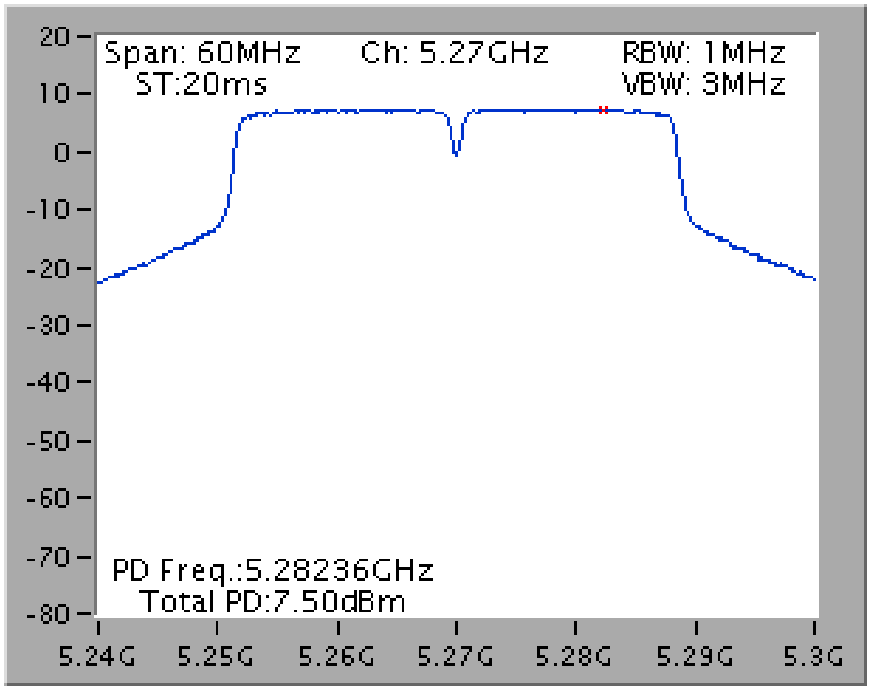
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



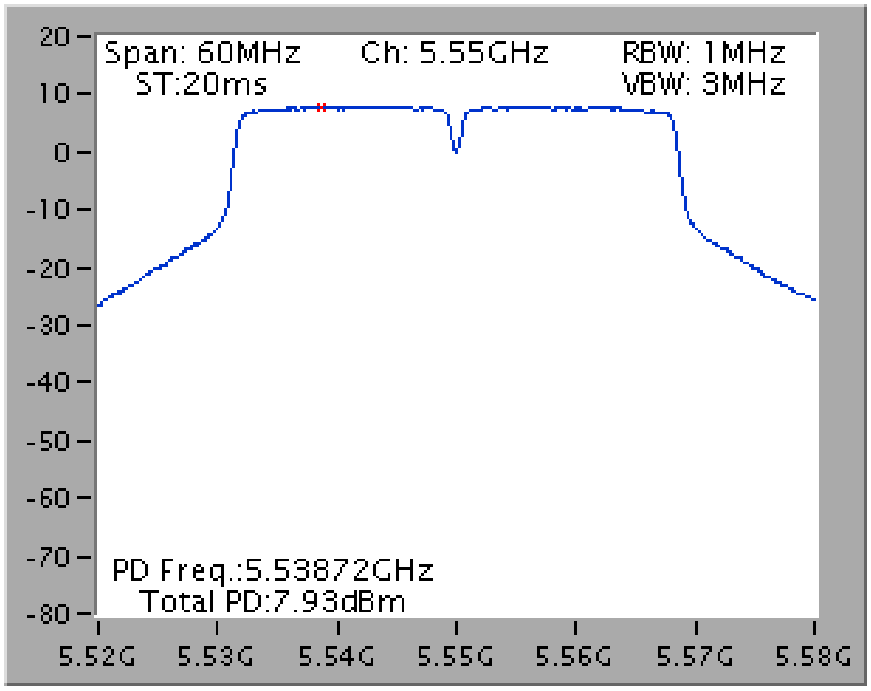
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



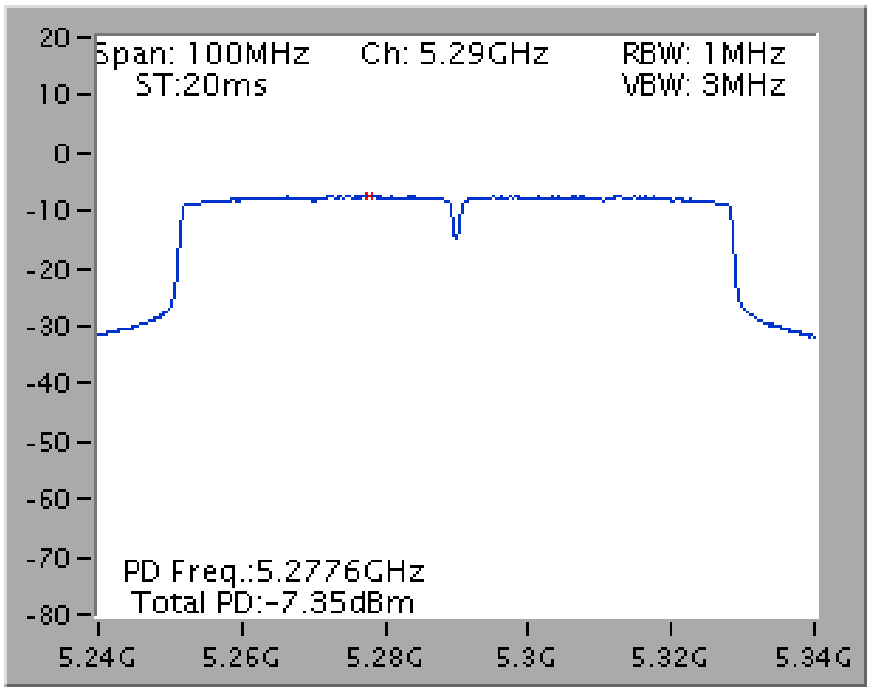
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 / 5270 MHz



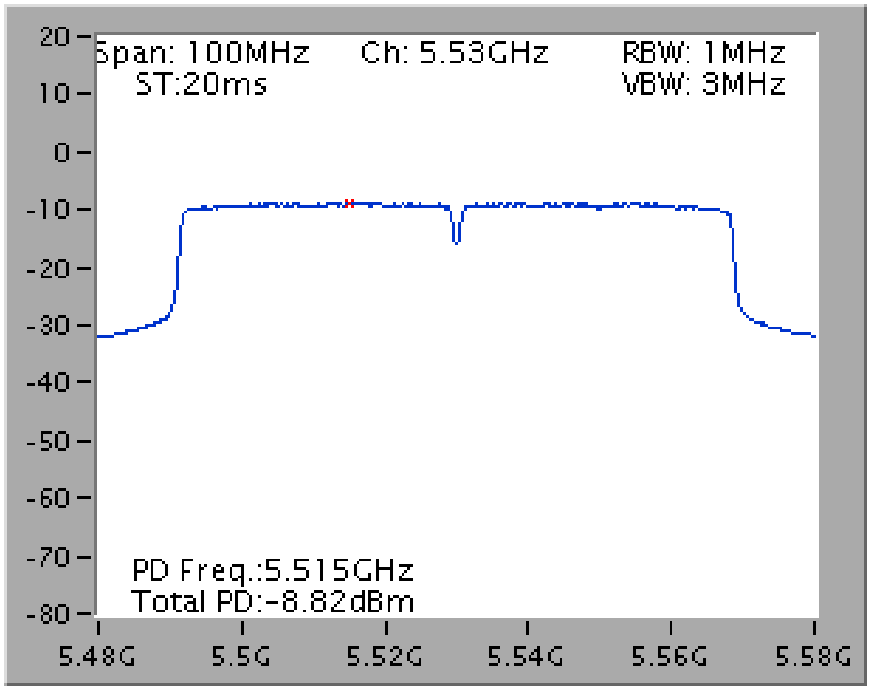
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz

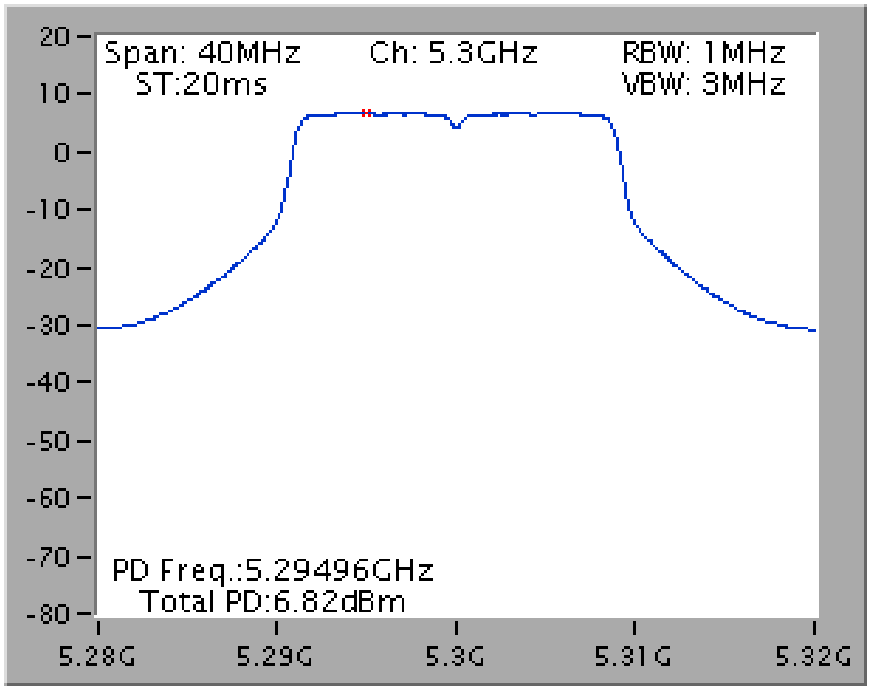


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

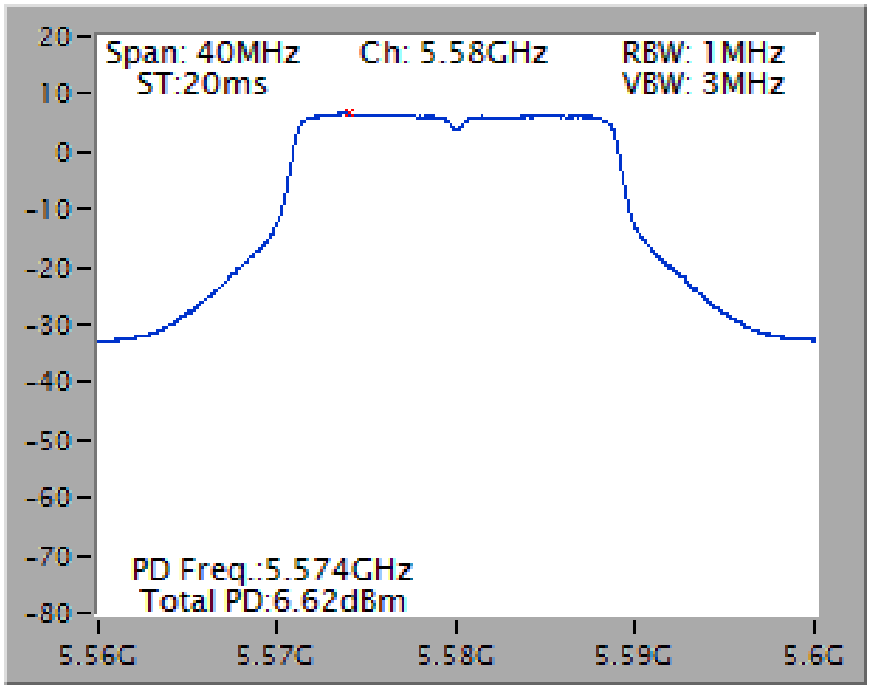


3TX

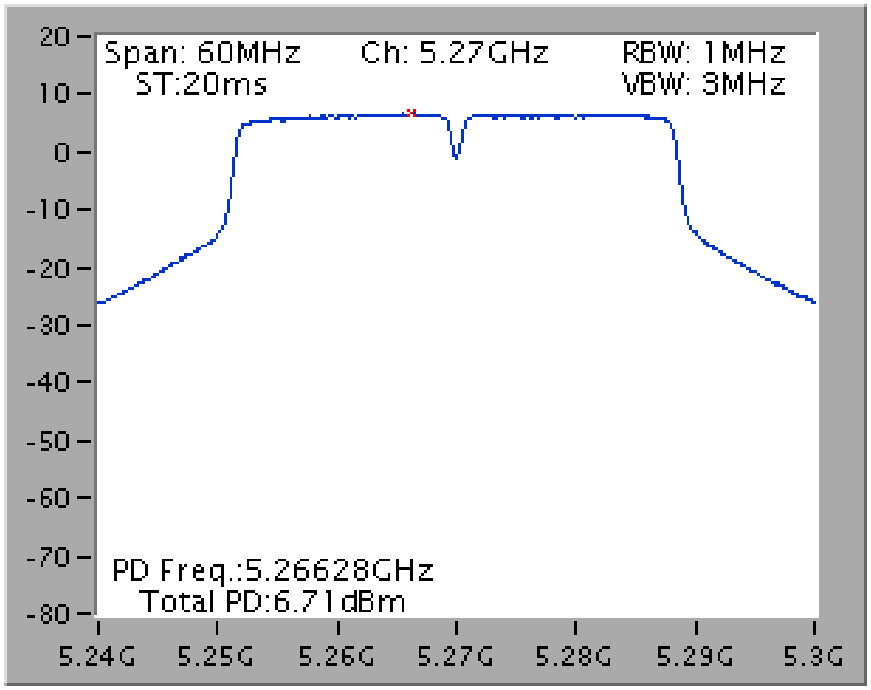
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



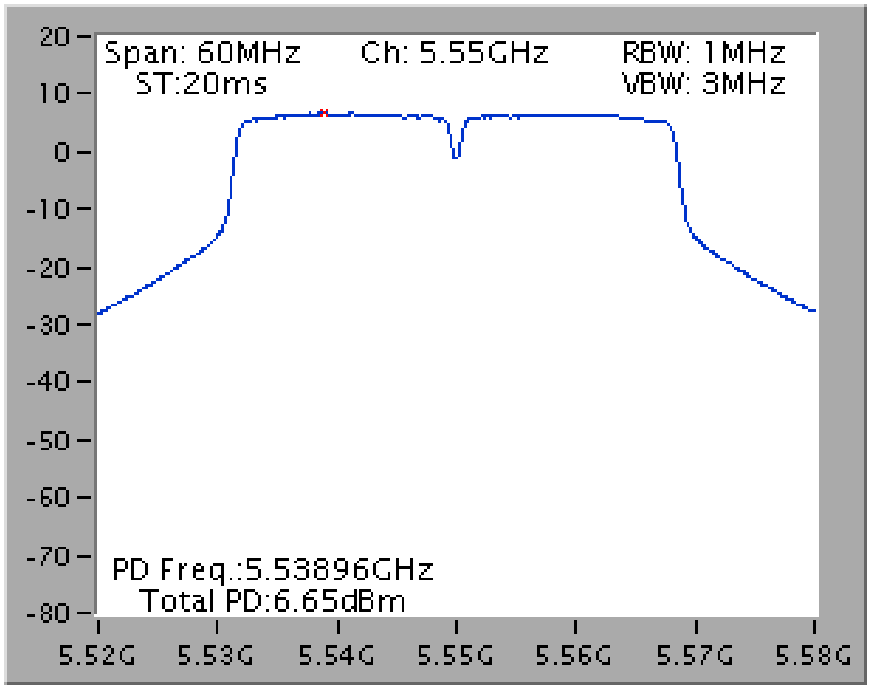
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



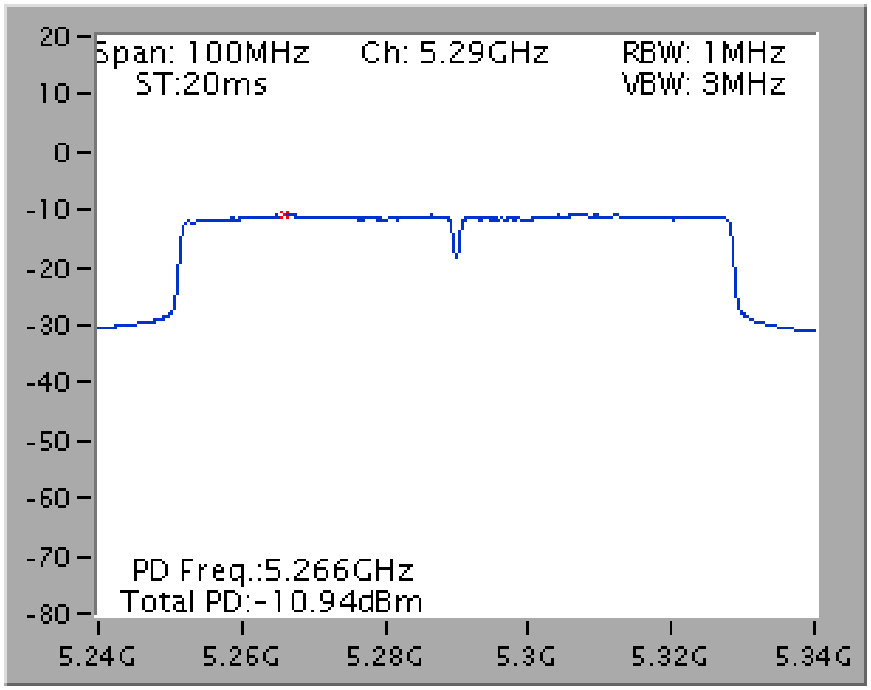
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



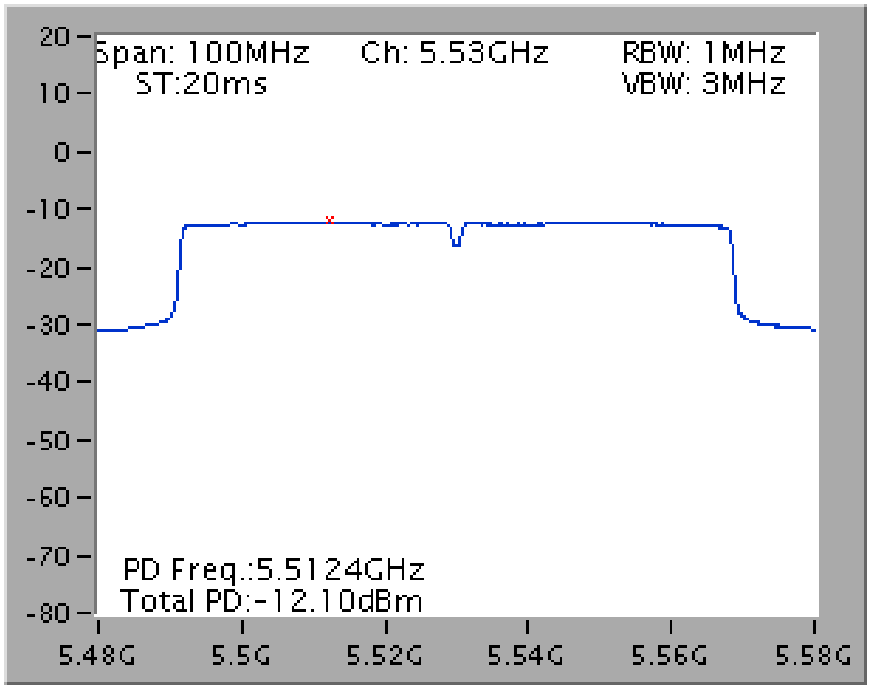
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



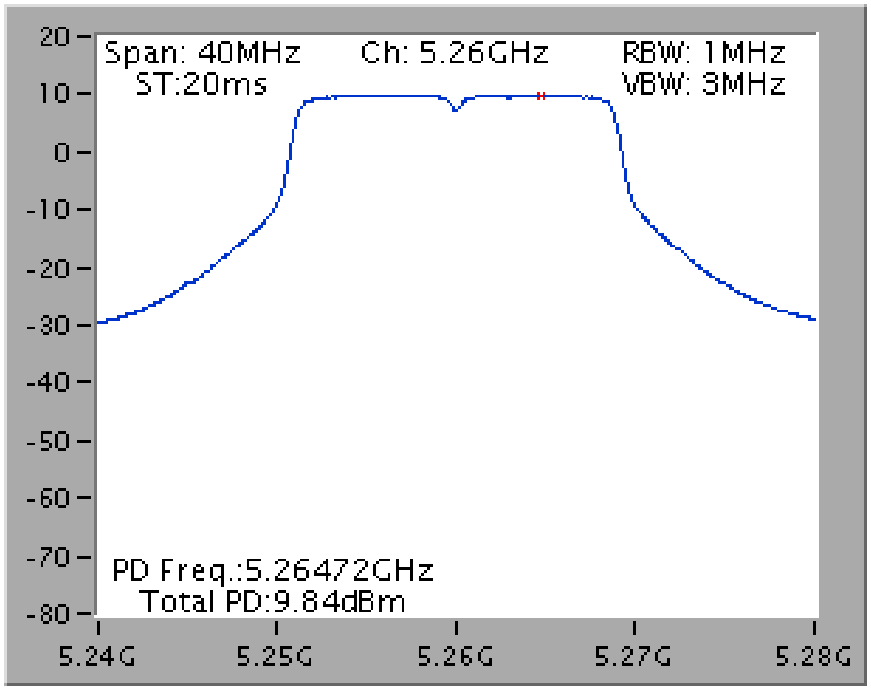
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



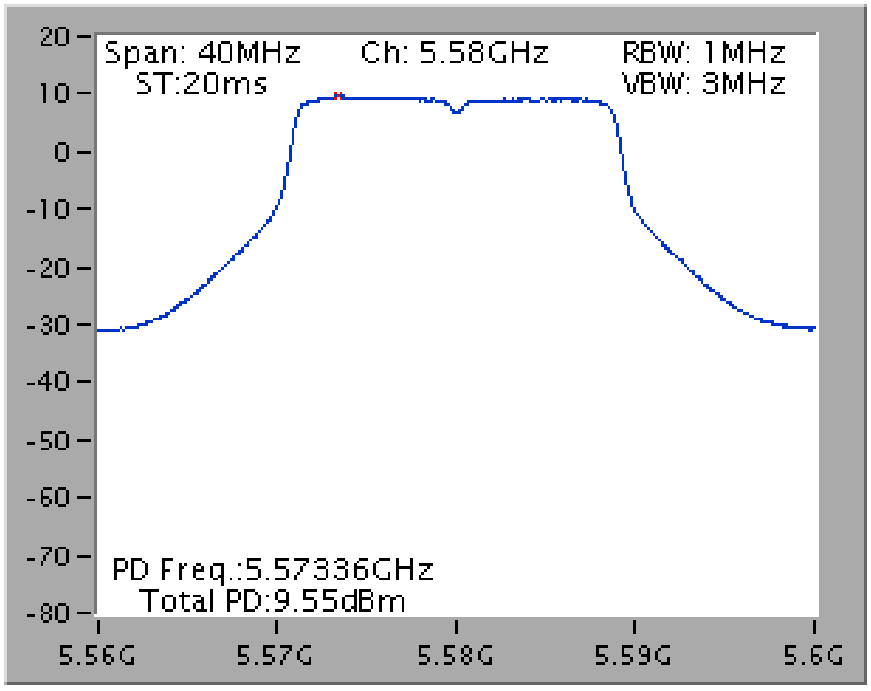
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



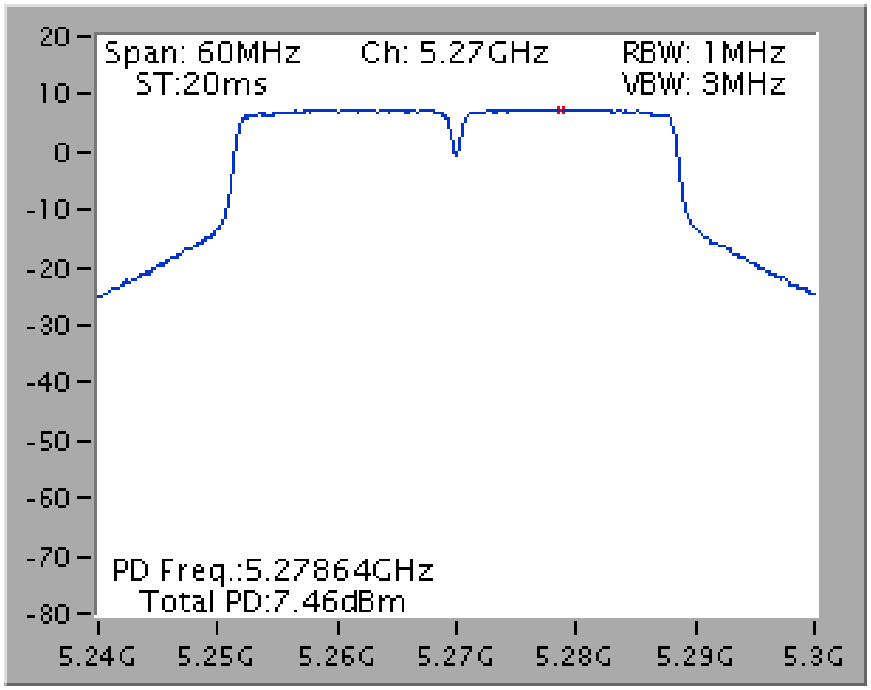
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



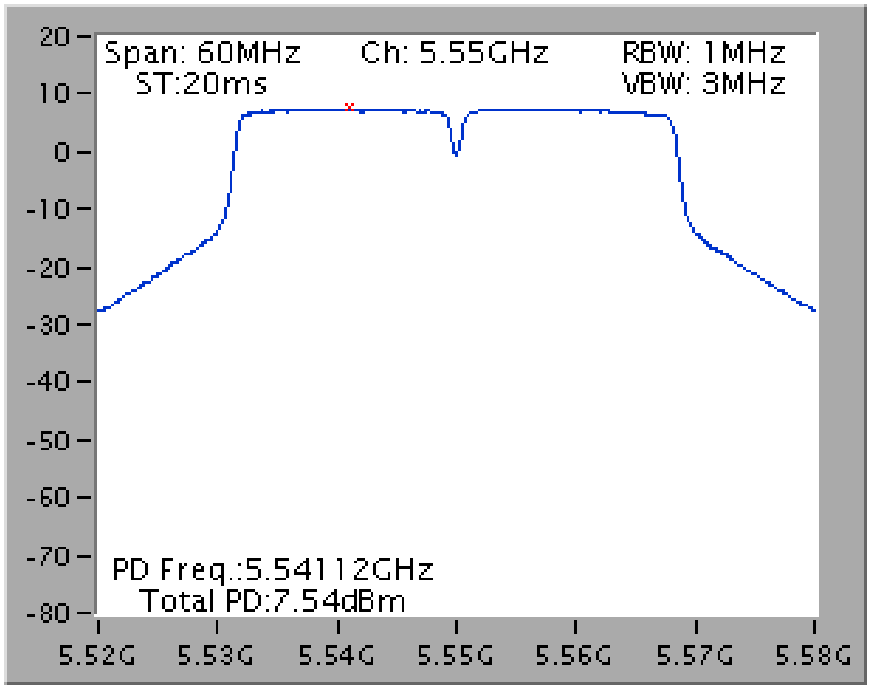
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



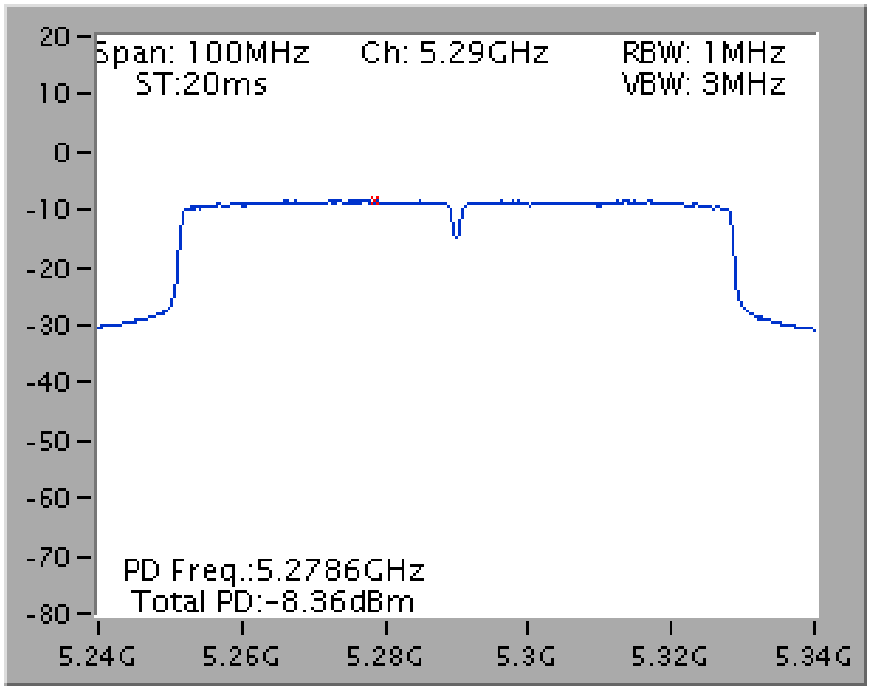
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



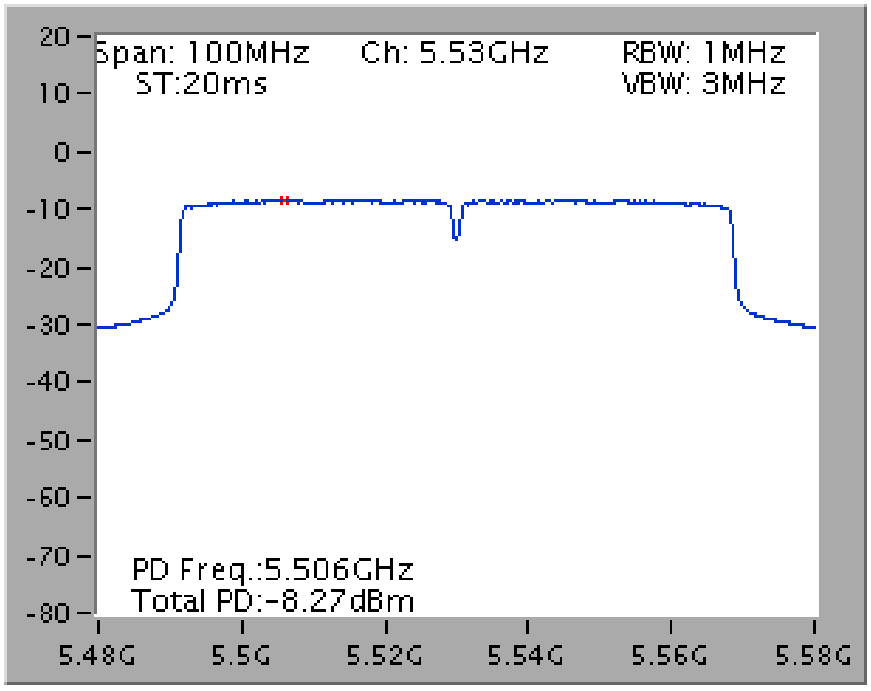
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



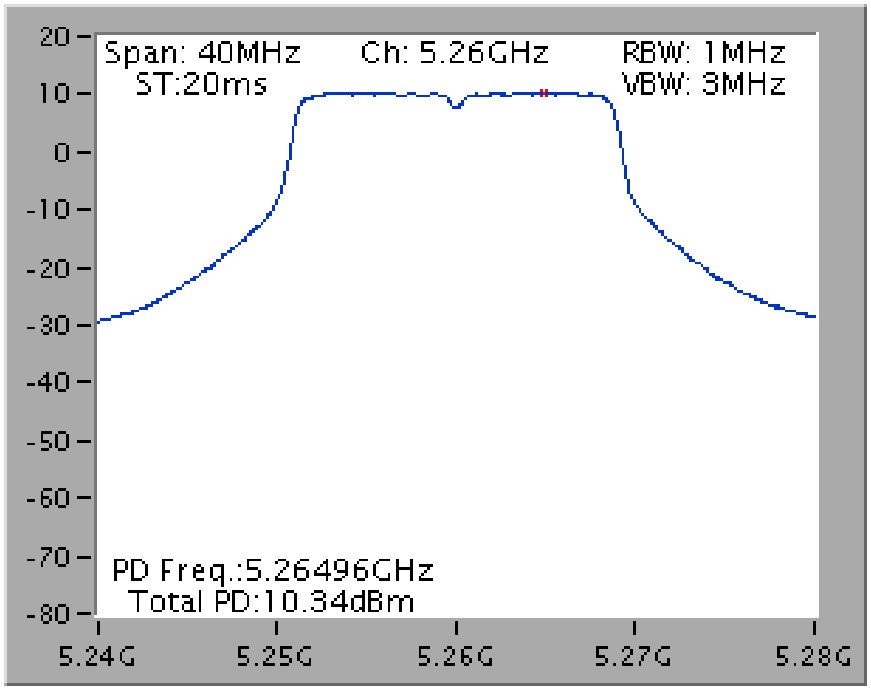
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



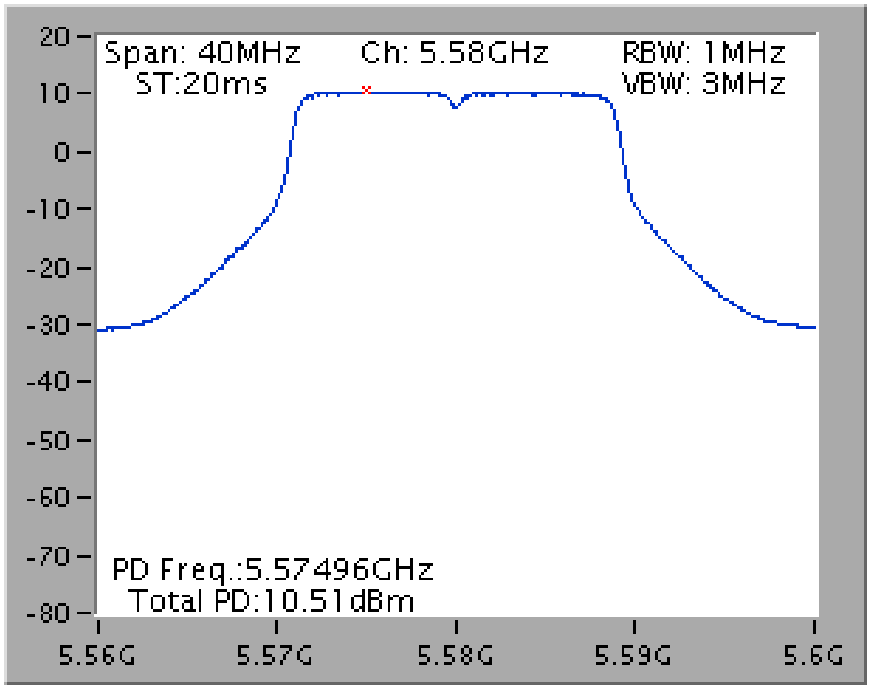
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



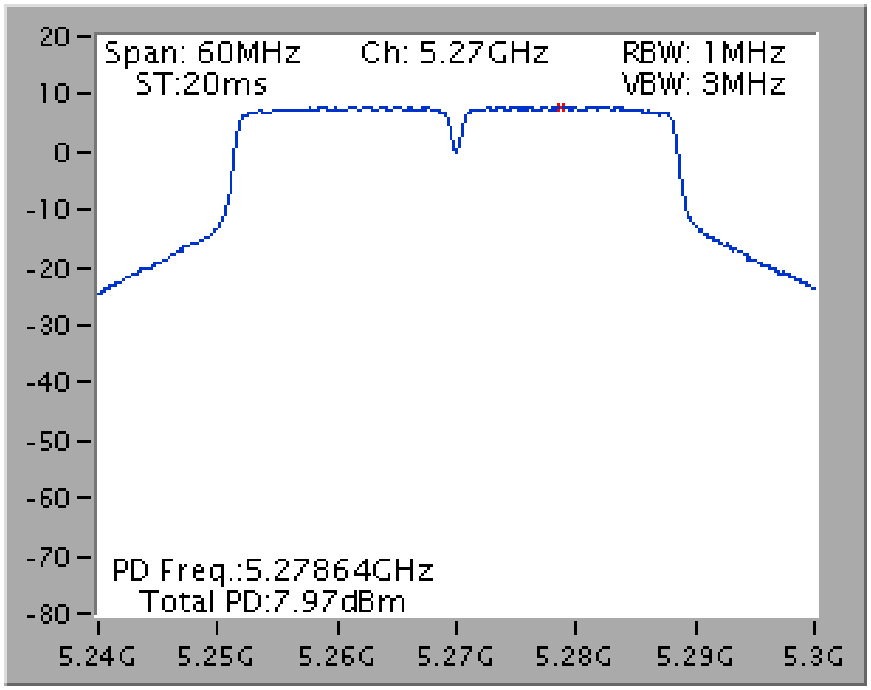
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



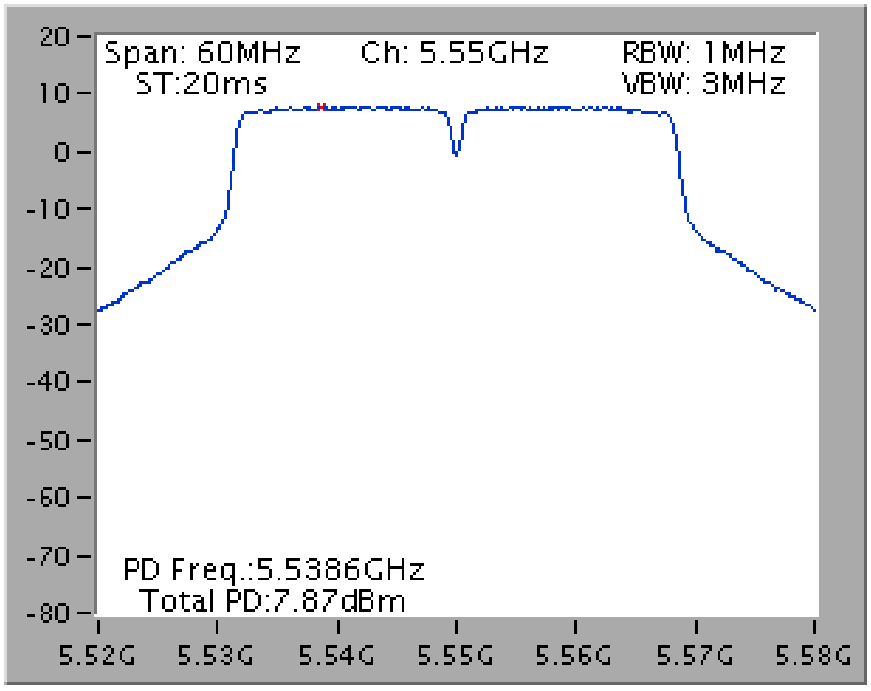
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



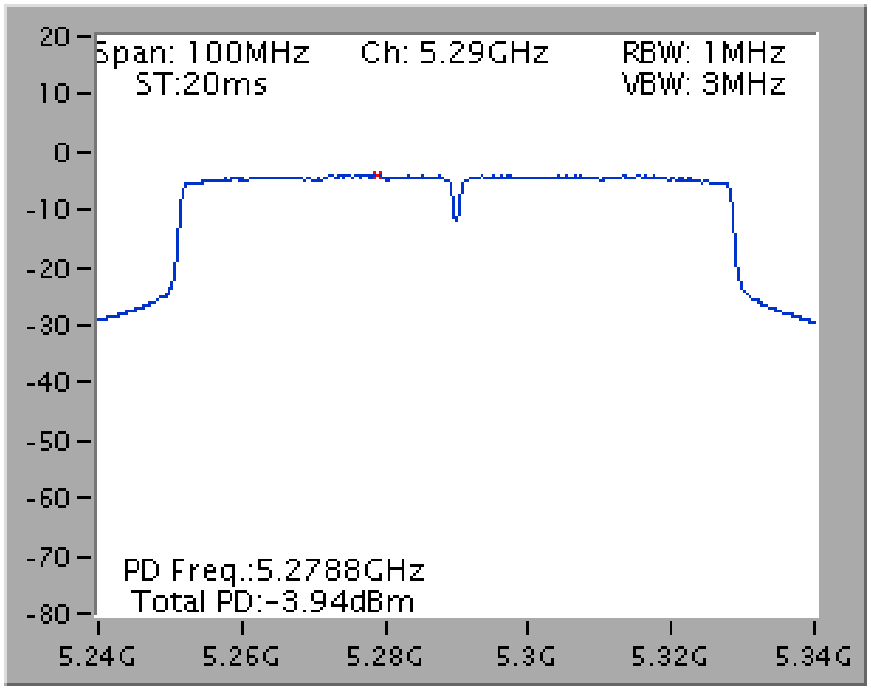
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40/ Chain 1 + Chain 2 + Chain 3 / 5270 MHz



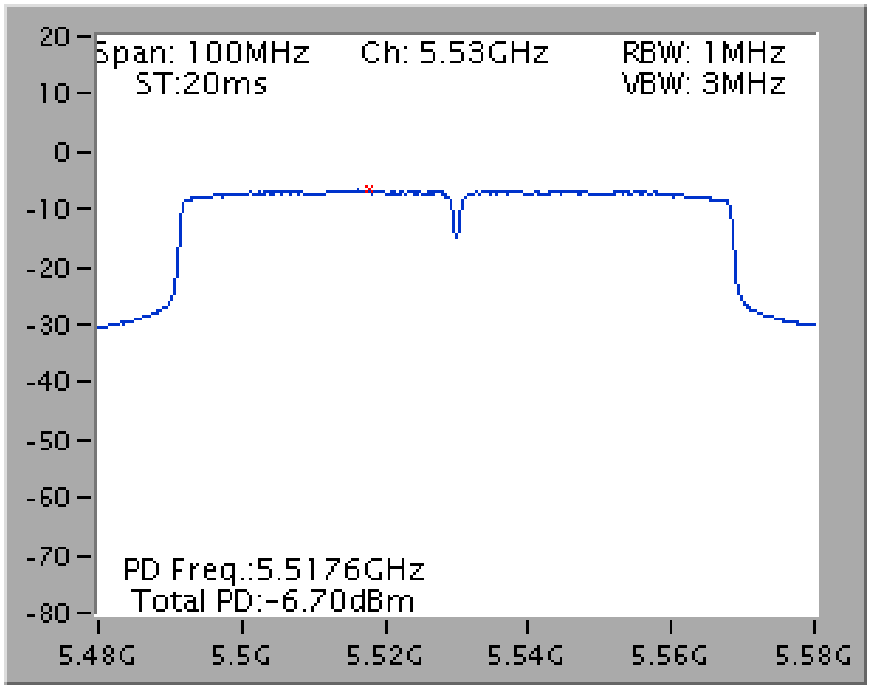
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



4.5. Peak Excursion Measurement

4.5.1. Limit

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emissions bandwidth whichever is less.

4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1MHz (Peak Trace) / 1MHz (Average Trace)
VBW	≥ 3MHz (Peak Trace) / ≥ 3MHz (Average Trace)
Detector	Peak (Peak Trace) / RMS (Average Trace)
Trace	Trace: Max hold (Peak Trace) / Trace Average Sweep Count 100 (Average Trace)
Sweep Time	AUTO

4.5.3. Test Procedures

1. Trace A, Set RBW =1MHz, VBW = 3MHz, Span >26dB bandwidth, Max. hold.
2. Delta Mark trace A Maximum frequency and trace B same frequency.
3. Repeat the above procedure until measurements for all frequencies were complete.
4. Testing each modulation mode on a single channel in single operating band at single output port. All signal types need test (DSSS, OFDM). All modulation types need test (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM). All bandwidth modes need test.

4.5.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.4.4.

4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.5.7. Test Result of Peak Excursion

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.26	13	Complies
QPSK(MCS1)	5260MHz	9.02	13	Complies
16QAM(MCS3)	5260MHz	9.33	13	Complies
64QAM(MCS5)	5260MHz	9.79	13	Complies
256QAM(MCS8)	5260MHz	9.85	13	Complies
BSPK(MCS0)	5580MHz	9.30	13	Complies
QPSK(MCS1)	5580MHz	9.04	13	Complies
16QAM(MCS3)	5580MHz	9.18	13	Complies
64QAM(MCS5)	5580MHz	9.46	13	Complies
256QAM(MCS8)	5580MHz	10.05	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.69	13	Complies
QPSK(MCS1)	5270MHz	9.31	13	Complies
16QAM(MCS3)	5270MHz	10.04	13	Complies
64QAM(MCS5)	5270MHz	10.24	13	Complies
256QAM(MCS8)	5270MHz	11.46	13	Complies
BSPK(MCS0)	5550MHz	9.50	13	Complies
QPSK(MCS1)	5550MHz	9.42	13	Complies
16QAM(MCS3)	5550MHz	10.04	13	Complies
64QAM(MCS5)	5550MHz	10.29	13	Complies
256QAM(MCS8)	5550MHz	10.69	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	8.51	13	Complies
QPSK(MCS1)	5290MHz	11.45	13	Complies
16QAM(MCS3)	5290MHz	11.36	13	Complies
64QAM(MCS5)	5290MHz	11.13	13	Complies
256QAM(MCS8)	5290MHz	10.23	13	Complies
BSPK(MCS0)	5530MHz	9.24	13	Complies
QPSK(MCS1)	5530MHz	11.20	13	Complies
16QAM(MCS3)	5530MHz	11.85	13	Complies
64QAM(MCS5)	5530MHz	10.17	13	Complies
256QAM(MCS8)	5530MHz	10.39	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5320MHz	8.71	13	Complies
QPSK(MCS1)	5320MHz	9.51	13	Complies
16QAM(MCS3)	5320MHz	9.00	13	Complies
64QAM(MCS5)	5320MHz	8.82	13	Complies
256QAM(MCS8)	5320MHz	9.29	13	Complies
BSPK(MCS0)	5580MHz	8.62	13	Complies
QPSK(MCS1)	5580MHz	8.45	13	Complies
16QAM(MCS3)	5580MHz	9.47	13	Complies
64QAM(MCS5)	5580MHz	10.14	13	Complies
256QAM(MCS8)	5580MHz	9.98	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.17	13	Complies
QPSK(MCS1)	5270MHz	9.40	13	Complies
16QAM(MCS3)	5270MHz	9.27	13	Complies
64QAM(MCS5)	5270MHz	10.02	13	Complies
256QAM(MCS8)	5270MHz	9.52	13	Complies
BSPK(MCS0)	5550MHz	9.12	13	Complies
QPSK(MCS1)	5550MHz	8.87	13	Complies
16QAM(MCS3)	5550MHz	11.09	13	Complies
64QAM(MCS5)	5550MHz	10.44	13	Complies
256QAM(MCS8)	5550MHz	10.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.18	13	Complies
QPSK(MCS1)	5290MHz	9.46	13	Complies
16QAM(MCS3)	5290MHz	11.77	13	Complies
64QAM(MCS5)	5290MHz	9.89	13	Complies
256QAM(MCS8)	5290MHz	10.63	13	Complies
BSPK(MCS0)	5530MHz	9.19	13	Complies
QPSK(MCS1)	5530MHz	11.09	13	Complies
16QAM(MCS3)	5530MHz	11.85	13	Complies
64QAM(MCS5)	5530MHz	10.10	13	Complies
256QAM(MCS8)	5530MHz	10.31	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.11	13	Complies
QPSK(MCS1)	5300MHz	8.99	13	Complies
16QAM(MCS3)	5300MHz	8.92	13	Complies
64QAM(MCS5)	5300MHz	9.85	13	Complies
256QAM(MCS8)	5300MHz	9.76	13	Complies
BSPK(MCS0)	5580MHz	9.28	13	Complies
QPSK(MCS1)	5580MHz	9.15	13	Complies
16QAM(MCS3)	5580MHz	10.17	13	Complies
64QAM(MCS5)	5580MHz	9.59	13	Complies
256QAM(MCS8)	5580MHz	10.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.32	13	Complies
QPSK(MCS1)	5270MHz	9.22	13	Complies
16QAM(MCS3)	5270MHz	9.90	13	Complies
64QAM(MCS5)	5270MHz	9.47	13	Complies
256QAM(MCS8)	5270MHz	10.28	13	Complies
BSPK(MCS0)	5550MHz	10.02	13	Complies
QPSK(MCS1)	5550MHz	9.21	13	Complies
16QAM(MCS3)	5550MHz	9.72	13	Complies
64QAM(MCS5)	5550MHz	10.15	13	Complies
256QAM(MCS8)	5550MHz	10.59	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.54	13	Complies
QPSK(MCS1)	5290MHz	10.68	13	Complies
16QAM(MCS3)	5290MHz	11.72	13	Complies
64QAM(MCS5)	5290MHz	10.22	13	Complies
256QAM(MCS8)	5290MHz	10.53	13	Complies
BSPK(MCS0)	5530MHz	9.77	13	Complies
QPSK(MCS1)	5530MHz	10.99	13	Complies
16QAM(MCS3)	5530MHz	11.35	13	Complies
64QAM(MCS5)	5530MHz	10.27	13	Complies
256QAM(MCS8)	5530MHz	10.39	13	Complies

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	8.91	13	Complies
QPSK(MCS1)	5300MHz	8.78	13	Complies
16QAM(MCS3)	5300MHz	8.92	13	Complies
64QAM(MCS5)	5300MHz	9.77	13	Complies
256QAM(MCS8)	5300MHz	10.82	13	Complies
BSPK(MCS0)	5500MHz	8.71	13	Complies
QPSK(MCS1)	5500MHz	8.93	13	Complies
16QAM(MCS3)	5500MHz	9.69	13	Complies
64QAM(MCS5)	5500MHz	10.64	13	Complies
256QAM(MCS8)	5500MHz	10.69	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.85	13	Complies
QPSK(MCS1)	5270MHz	9.12	13	Complies
16QAM(MCS3)	5270MHz	9.78	13	Complies
64QAM(MCS5)	5270MHz	11.19	13	Complies
256QAM(MCS8)	5270MHz	11.13	13	Complies
BSPK(MCS0)	5670MHz	9.57	13	Complies
QPSK(MCS1)	5670MHz	9.19	13	Complies
16QAM(MCS3)	5670MHz	10.16	13	Complies
64QAM(MCS5)	5670MHz	10.02	13	Complies
256QAM(MCS8)	5670MHz	11.02	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.97	13	Complies
QPSK(MCS1)	5290MHz	11.94	13	Complies
16QAM(MCS3)	5290MHz	11.24	13	Complies
64QAM(MCS5)	5290MHz	10.28	13	Complies
256QAM(MCS8)	5290MHz	11.99	13	Complies
BSPK(MCS0)	5530MHz	9.52	13	Complies
QPSK(MCS1)	5530MHz	10.55	13	Complies
16QAM(MCS3)	5530MHz	11.81	13	Complies
64QAM(MCS5)	5530MHz	11.09	13	Complies
256QAM(MCS8)	5530MHz	11.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.05	13	Complies
QPSK(MCS1)	5260MHz	9.31	13	Complies
16QAM(MCS3)	5260MHz	10.25	13	Complies
64QAM(MCS5)	5260MHz	9.76	13	Complies
256QAM(MCS8)	5260MHz	10.09	13	Complies
BSPK(MCS0)	5580MHz	8.67	13	Complies
QPSK(MCS1)	5580MHz	9.88	13	Complies
16QAM(MCS3)	5580MHz	10.25	13	Complies
64QAM(MCS5)	5580MHz	10.73	13	Complies
256QAM(MCS8)	5580MHz	10.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.03	13	Complies
QPSK(MCS1)	5270MHz	9.60	13	Complies
16QAM(MCS3)	5270MHz	10.21	13	Complies
64QAM(MCS5)	5270MHz	9.72	13	Complies
256QAM(MCS8)	5270MHz	10.85	13	Complies
BSPK(MCS0)	5550MHz	9.21	13	Complies
QPSK(MCS1)	5550MHz	9.06	13	Complies
16QAM(MCS3)	5550MHz	10.22	13	Complies
64QAM(MCS5)	5550MHz	10.37	13	Complies
256QAM(MCS8)	5550MHz	11.12	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.62	13	Complies
QPSK(MCS1)	5290MHz	10.57	13	Complies
16QAM(MCS3)	5290MHz	11.61	13	Complies
64QAM(MCS5)	5290MHz	10.29	13	Complies
256QAM(MCS8)	5290MHz	9.64	13	Complies
BSPK(MCS0)	5530MHz	10.69	13	Complies
QPSK(MCS1)	5530MHz	11.09	13	Complies
16QAM(MCS3)	5530MHz	11.17	13	Complies
64QAM(MCS5)	5530MHz	10.46	13	Complies
256QAM(MCS8)	5530MHz	11.15	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.05	13	Complies
QPSK(MCS1)	5300MHz	9.40	13	Complies
16QAM(MCS3)	5300MHz	9.79	13	Complies
64QAM(MCS5)	5300MHz	10.25	13	Complies
256QAM(MCS8)	5300MHz	10.40	13	Complies
BSPK(MCS0)	5580MHz	8.92	13	Complies
QPSK(MCS1)	5580MHz	8.99	13	Complies
16QAM(MCS3)	5580MHz	9.52	13	Complies
64QAM(MCS5)	5580MHz	10.46	13	Complies
256QAM(MCS8)	5580MHz	11.32	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.82	13	Complies
QPSK(MCS1)	5270MHz	9.42	13	Complies
16QAM(MCS3)	5270MHz	10.08	13	Complies
64QAM(MCS5)	5270MHz	10.15	13	Complies
256QAM(MCS8)	5270MHz	10.02	13	Complies
BSPK(MCS0)	5670MHz	9.51	13	Complies
QPSK(MCS1)	5670MHz	10.19	13	Complies
16QAM(MCS3)	5670MHz	9.91	13	Complies
64QAM(MCS5)	5670MHz	10.42	13	Complies
256QAM(MCS8)	5670MHz	10.98	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	11.38	13	Complies
QPSK(MCS1)	5290MHz	9.78	13	Complies
16QAM(MCS3)	5290MHz	10.28	13	Complies
64QAM(MCS5)	5290MHz	10.33	13	Complies
256QAM(MCS8)	5290MHz	10.23	13	Complies
BSPK(MCS0)	5530MHz	11.25	13	Complies
QPSK(MCS1)	5530MHz	10.03	13	Complies
16QAM(MCS3)	5530MHz	10.30	13	Complies
64QAM(MCS5)	5530MHz	10.81	13	Complies
256QAM(MCS8)	5530MHz	10.64	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.06	13	Complies
QPSK(MCS1)	5260MHz	9.53	13	Complies
16QAM(MCS3)	5260MHz	9.00	13	Complies
64QAM(MCS5)	5260MHz	9.63	13	Complies
256QAM(MCS8)	5260MHz	9.61	13	Complies
BSPK(MCS0)	5580MHz	9.16	13	Complies
QPSK(MCS1)	5580MHz	8.76	13	Complies
16QAM(MCS3)	5580MHz	10.25	13	Complies
64QAM(MCS5)	5580MHz	10.23	13	Complies
256QAM(MCS8)	5580MHz	10.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.31	13	Complies
QPSK(MCS1)	5270MHz	9.05	13	Complies
16QAM(MCS3)	5270MHz	9.75	13	Complies
64QAM(MCS5)	5270MHz	9.76	13	Complies
256QAM(MCS8)	5270MHz	10.04	13	Complies
BSPK(MCS0)	5550MHz	9.26	13	Complies
QPSK(MCS1)	5550MHz	8.95	13	Complies
16QAM(MCS3)	5550MHz	10.04	13	Complies
64QAM(MCS5)	5550MHz	9.78	13	Complies
256QAM(MCS8)	5550MHz	9.91	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.65	13	Complies
QPSK(MCS1)	5290MHz	11.06	13	Complies
16QAM(MCS3)	5290MHz	11.65	13	Complies
64QAM(MCS5)	5290MHz	9.98	13	Complies
256QAM(MCS8)	5290MHz	10.62	13	Complies
BSPK(MCS0)	5530MHz	8.97	13	Complies
QPSK(MCS1)	5530MHz	11.43	13	Complies
16QAM(MCS3)	5530MHz	11.65	13	Complies
64QAM(MCS5)	5530MHz	10.08	13	Complies
256QAM(MCS8)	5530MHz	9.97	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.20	13	Complies
QPSK(MCS1)	5300MHz	8.07	13	Complies
16QAM(MCS3)	5300MHz	9.36	13	Complies
64QAM(MCS5)	5300MHz	9.94	13	Complies
256QAM(MCS8)	5300MHz	9.95	13	Complies
BSPK(MCS0)	5580MHz	9.34	13	Complies
QPSK(MCS1)	5580MHz	8.43	13	Complies
16QAM(MCS3)	5580MHz	9.33	13	Complies
64QAM(MCS5)	5580MHz	10.27	13	Complies
256QAM(MCS8)	5580MHz	10.17	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.26	13	Complies
QPSK(MCS1)	5270MHz	8.79	13	Complies
16QAM(MCS3)	5270MHz	9.04	13	Complies
64QAM(MCS5)	5270MHz	9.80	13	Complies
256QAM(MCS8)	5270MHz	9.24	13	Complies
BSPK(MCS0)	5550MHz	9.41	13	Complies
QPSK(MCS1)	5550MHz	8.97	13	Complies
16QAM(MCS3)	5550MHz	10.18	13	Complies
64QAM(MCS5)	5550MHz	10.29	13	Complies
256QAM(MCS8)	5550MHz	10.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.42	13	Complies
QPSK(MCS1)	5290MHz	8.83	13	Complies
16QAM(MCS3)	5290MHz	10.96	13	Complies
64QAM(MCS5)	5290MHz	10.10	13	Complies
256QAM(MCS8)	5290MHz	10.41	13	Complies
BSPK(MCS0)	5530MHz	8.76	13	Complies
QPSK(MCS1)	5530MHz	11.38	13	Complies
16QAM(MCS3)	5530MHz	11.41	13	Complies
64QAM(MCS5)	5530MHz	10.60	13	Complies
256QAM(MCS8)	5530MHz	11.07	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.14	13	Complies
QPSK(MCS1)	5260MHz	9.47	13	Complies
16QAM(MCS3)	5260MHz	9.78	13	Complies
64QAM(MCS5)	5260MHz	10.08	13	Complies
256QAM(MCS8)	5260MHz	10.37	13	Complies
BSPK(MCS0)	5580MHz	9.11	13	Complies
QPSK(MCS1)	5580MHz	9.81	13	Complies
16QAM(MCS3)	5580MHz	9.89	13	Complies
64QAM(MCS5)	5580MHz	9.80	13	Complies
256QAM(MCS8)	5580MHz	10.19	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.39	13	Complies
QPSK(MCS1)	5270MHz	9.17	13	Complies
16QAM(MCS3)	5270MHz	9.99	13	Complies
64QAM(MCS5)	5270MHz	10.39	13	Complies
256QAM(MCS8)	5270MHz	11.07	13	Complies
BSPK(MCS0)	5550MHz	9.60	13	Complies
QPSK(MCS1)	5550MHz	9.57	13	Complies
16QAM(MCS3)	5550MHz	9.80	13	Complies
64QAM(MCS5)	5550MHz	11.06	13	Complies
256QAM(MCS8)	5550MHz	10.84	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.83	13	Complies
QPSK(MCS1)	5290MHz	10.70	13	Complies
16QAM(MCS3)	5290MHz	11.46	13	Complies
64QAM(MCS5)	5290MHz	10.42	13	Complies
256QAM(MCS8)	5290MHz	10.31	13	Complies
BSPK(MCS0)	5530MHz	9.62	13	Complies
QPSK(MCS1)	5530MHz	11.03	13	Complies
16QAM(MCS3)	5530MHz	11.45	13	Complies
64QAM(MCS5)	5530MHz	10.44	13	Complies
256QAM(MCS8)	5530MHz	10.20	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.11	13	Complies
QPSK(MCS1)	5260MHz	8.99	13	Complies
16QAM(MCS3)	5260MHz	8.92	13	Complies
64QAM(MCS5)	5260MHz	9.85	13	Complies
256QAM(MCS8)	5260MHz	9.76	13	Complies
BSPK(MCS0)	5580MHz	9.30	13	Complies
QPSK(MCS1)	5580MHz	9.04	13	Complies
16QAM(MCS3)	5580MHz	9.18	13	Complies
64QAM(MCS5)	5580MHz	9.46	13	Complies
256QAM(MCS8)	5580MHz	10.05	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.69	13	Complies
QPSK(MCS1)	5270MHz	9.31	13	Complies
16QAM(MCS3)	5270MHz	10.04	13	Complies
64QAM(MCS5)	5270MHz	10.24	13	Complies
256QAM(MCS8)	5270MHz	11.46	13	Complies
BSPK(MCS0)	5550MHz	9.50	13	Complies
QPSK(MCS1)	5550MHz	9.42	13	Complies
16QAM(MCS3)	5550MHz	10.04	13	Complies
64QAM(MCS5)	5550MHz	10.29	13	Complies
256QAM(MCS8)	5550MHz	10.69	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.77	13	Complies
QPSK(MCS1)	5290MHz	10.89	13	Complies
16QAM(MCS3)	5290MHz	11.05	13	Complies
64QAM(MCS5)	5290MHz	9.84	13	Complies
256QAM(MCS8)	5290MHz	10.09	13	Complies
BSPK(MCS0)	5530MHz	9.45	13	Complies
QPSK(MCS1)	5530MHz	11.58	13	Complies
16QAM(MCS3)	5530MHz	11.80	13	Complies
64QAM(MCS5)	5530MHz	10.42	13	Complies
256QAM(MCS8)	5530MHz	10.49	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.06	13	Complies
QPSK(MCS1)	5260MHz	8.82	13	Complies
16QAM(MCS3)	5260MHz	9.41	13	Complies
64QAM(MCS5)	5260MHz	9.51	13	Complies
256QAM(MCS8)	5260MHz	10.44	13	Complies
BSPK(MCS0)	5580MHz	8.62	13	Complies
QPSK(MCS1)	5580MHz	8.45	13	Complies
16QAM(MCS3)	5580MHz	9.47	13	Complies
64QAM(MCS5)	5580MHz	10.14	13	Complies
256QAM(MCS8)	5580MHz	9.98	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.17	13	Complies
QPSK(MCS1)	5270MHz	9.40	13	Complies
16QAM(MCS3)	5270MHz	9.27	13	Complies
64QAM(MCS5)	5270MHz	10.02	13	Complies
256QAM(MCS8)	5270MHz	9.52	13	Complies
BSPK(MCS0)	5550MHz	9.12	13	Complies
QPSK(MCS1)	5550MHz	8.87	13	Complies
16QAM(MCS3)	5550MHz	11.09	13	Complies
64QAM(MCS5)	5550MHz	10.44	13	Complies
256QAM(MCS8)	5550MHz	10.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.83	13	Complies
QPSK(MCS1)	5290MHz	9.68	13	Complies
16QAM(MCS3)	5290MHz	11.66	13	Complies
64QAM(MCS5)	5290MHz	9.93	13	Complies
256QAM(MCS8)	5290MHz	9.63	13	Complies
BSPK(MCS0)	5530MHz	9.30	13	Complies
QPSK(MCS1)	5530MHz	10.99	13	Complies
16QAM(MCS3)	5530MHz	11.11	13	Complies
64QAM(MCS5)	5530MHz	10.24	13	Complies
256QAM(MCS8)	5530MHz	10.15	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.26	13	Complies
QPSK(MCS1)	5260MHz	9.02	13	Complies
16QAM(MCS3)	5260MHz	9.33	13	Complies
64QAM(MCS5)	5260MHz	9.79	13	Complies
256QAM(MCS8)	5260MHz	9.85	13	Complies
BSPK(MCS0)	5580MHz	9.28	13	Complies
QPSK(MCS1)	5580MHz	9.15	13	Complies
16QAM(MCS3)	5580MHz	10.17	13	Complies
64QAM(MCS5)	5580MHz	9.59	13	Complies
256QAM(MCS8)	5580MHz	10.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.32	13	Complies
QPSK(MCS1)	5270MHz	9.22	13	Complies
16QAM(MCS3)	5270MHz	9.90	13	Complies
64QAM(MCS5)	5270MHz	9.47	13	Complies
256QAM(MCS8)	5270MHz	10.28	13	Complies
BSPK(MCS0)	5550MHz	10.02	13	Complies
QPSK(MCS1)	5550MHz	9.21	13	Complies
16QAM(MCS3)	5550MHz	9.72	13	Complies
64QAM(MCS5)	5550MHz	10.15	13	Complies
256QAM(MCS8)	5550MHz	10.59	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.76	13	Complies
QPSK(MCS1)	5290MHz	10.77	13	Complies
16QAM(MCS3)	5290MHz	11.94	13	Complies
64QAM(MCS5)	5290MHz	10.57	13	Complies
256QAM(MCS8)	5290MHz	10.79	13	Complies
BSPK(MCS0)	5530MHz	9.58	13	Complies
QPSK(MCS1)	5530MHz	10.81	13	Complies
16QAM(MCS3)	5530MHz	11.39	13	Complies
64QAM(MCS5)	5530MHz	10.88	13	Complies
256QAM(MCS8)	5530MHz	11.08	13	Complies

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	8.91	13	Complies
QPSK(MCS1)	5300MHz	8.78	13	Complies
16QAM(MCS3)	5300MHz	8.92	13	Complies
64QAM(MCS5)	5300MHz	9.77	13	Complies
256QAM(MCS8)	5300MHz	10.82	13	Complies
BSPK(MCS0)	5580MHz	8.91	13	Complies
QPSK(MCS1)	5580MHz	9.34	13	Complies
16QAM(MCS3)	5580MHz	8.92	13	Complies
64QAM(MCS5)	5580MHz	10.22	13	Complies
256QAM(MCS8)	5580MHz	10.02	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.85	13	Complies
QPSK(MCS1)	5270MHz	9.12	13	Complies
16QAM(MCS3)	5270MHz	9.78	13	Complies
64QAM(MCS5)	5270MHz	11.19	13	Complies
256QAM(MCS8)	5270MHz	11.13	13	Complies
BSPK(MCS0)	5670MHz	9.57	13	Complies
QPSK(MCS1)	5670MHz	9.19	13	Complies
16QAM(MCS3)	5670MHz	10.16	13	Complies
64QAM(MCS5)	5670MHz	10.02	13	Complies
256QAM(MCS8)	5670MHz	11.02	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.41	13	Complies
QPSK(MCS1)	5290MHz	10.29	13	Complies
16QAM(MCS3)	5290MHz	11.35	13	Complies
64QAM(MCS5)	5290MHz	11.06	13	Complies
256QAM(MCS8)	5290MHz	10.79	13	Complies
BSPK(MCS0)	5530MHz	9.70	13	Complies
QPSK(MCS1)	5530MHz	11.55	13	Complies
16QAM(MCS3)	5530MHz	10.74	13	Complies
64QAM(MCS5)	5530MHz	10.53	13	Complies
256QAM(MCS8)	5530MHz	11.29	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.05	13	Complies
QPSK(MCS1)	5260MHz	9.31	13	Complies
16QAM(MCS3)	5260MHz	10.25	13	Complies
64QAM(MCS5)	5260MHz	9.76	13	Complies
256QAM(MCS8)	5260MHz	10.09	13	Complies
BSPK(MCS0)	5580MHz	8.67	13	Complies
QPSK(MCS1)	5580MHz	9.88	13	Complies
16QAM(MCS3)	5580MHz	10.25	13	Complies
64QAM(MCS5)	5580MHz	10.73	13	Complies
256QAM(MCS8)	5580MHz	10.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.03	13	Complies
QPSK(MCS1)	5270MHz	9.60	13	Complies
16QAM(MCS3)	5270MHz	10.21	13	Complies
64QAM(MCS5)	5270MHz	9.72	13	Complies
256QAM(MCS8)	5270MHz	10.85	13	Complies
BSPK(MCS0)	5550MHz	9.21	13	Complies
QPSK(MCS1)	5550MHz	9.06	13	Complies
16QAM(MCS3)	5550MHz	10.22	13	Complies
64QAM(MCS5)	5550MHz	10.37	13	Complies
256QAM(MCS8)	5550MHz	11.12	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	8.96	13	Complies
QPSK(MCS1)	5290MHz	10.47	13	Complies
16QAM(MCS3)	5290MHz	10.68	13	Complies
64QAM(MCS5)	5290MHz	10.95	13	Complies
256QAM(MCS8)	5290MHz	10.23	13	Complies
BSPK(MCS0)	5530MHz	9.65	13	Complies
QPSK(MCS1)	5530MHz	10.75	13	Complies
16QAM(MCS3)	5530MHz	10.85	13	Complies
64QAM(MCS5)	5530MHz	10.69	13	Complies
256QAM(MCS8)	5530MHz	10.49	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.14	13	Complies
QPSK(MCS1)	5260MHz	8.38	13	Complies
16QAM(MCS3)	5260MHz	9.71	13	Complies
64QAM(MCS5)	5260MHz	10.12	13	Complies
256QAM(MCS8)	5260MHz	11.02	13	Complies
BSPK(MCS0)	5580MHz	8.92	13	Complies
QPSK(MCS1)	5580MHz	8.99	13	Complies
16QAM(MCS3)	5580MHz	9.52	13	Complies
64QAM(MCS5)	5580MHz	10.46	13	Complies
256QAM(MCS8)	5580MHz	11.32	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.82	13	Complies
QPSK(MCS1)	5270MHz	9.42	13	Complies
16QAM(MCS3)	5270MHz	10.08	13	Complies
64QAM(MCS5)	5270MHz	10.15	13	Complies
256QAM(MCS8)	5270MHz	10.02	13	Complies
BSPK(MCS0)	5670MHz	9.51	13	Complies
QPSK(MCS1)	5670MHz	10.19	13	Complies
16QAM(MCS3)	5670MHz	9.91	13	Complies
64QAM(MCS5)	5670MHz	10.42	13	Complies
256QAM(MCS8)	5670MHz	10.98	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	11.63	13	Complies
QPSK(MCS1)	5290MHz	10.39	13	Complies
16QAM(MCS3)	5290MHz	10.71	13	Complies
64QAM(MCS5)	5290MHz	11.24	13	Complies
256QAM(MCS8)	5290MHz	10.45	13	Complies
BSPK(MCS0)	5530MHz	10.82	13	Complies
QPSK(MCS1)	5530MHz	10.15	13	Complies
16QAM(MCS3)	5530MHz	10.56	13	Complies
64QAM(MCS5)	5530MHz	10.01	13	Complies
256QAM(MCS8)	5530MHz	10.20	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.24	13	Complies
QPSK(MCS1)	5300MHz	9.10	13	Complies
16QAM(MCS3)	5300MHz	8.84	13	Complies
64QAM(MCS5)	5300MHz	9.20	13	Complies
256QAM(MCS8)	5300MHz	10.74	13	Complies
BSPK(MCS0)	5580MHz	9.23	13	Complies
QPSK(MCS1)	5580MHz	8.67	13	Complies
16QAM(MCS3)	5580MHz	9.52	13	Complies
64QAM(MCS5)	5580MHz	10.01	13	Complies
256QAM(MCS8)	5580MHz	10.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.69	13	Complies
QPSK(MCS1)	5270MHz	9.31	13	Complies
16QAM(MCS3)	5270MHz	10.04	13	Complies
64QAM(MCS5)	5270MHz	10.24	13	Complies
256QAM(MCS8)	5270MHz	11.46	13	Complies
BSPK(MCS0)	5550MHz	9.75	13	Complies
QPSK(MCS1)	5550MHz	9.48	13	Complies
16QAM(MCS3)	5550MHz	9.63	13	Complies
64QAM(MCS5)	5550MHz	10.46	13	Complies
256QAM(MCS8)	5550MHz	9.92	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.53	13	Complies
QPSK(MCS1)	5290MHz	11.45	13	Complies
16QAM(MCS3)	5290MHz	11.82	13	Complies
64QAM(MCS5)	5290MHz	9.84	13	Complies
256QAM(MCS8)	5290MHz	10.53	13	Complies
BSPK(MCS0)	5530MHz	9.81	13	Complies
QPSK(MCS1)	5530MHz	11.13	13	Complies
16QAM(MCS3)	5530MHz	11.72	13	Complies
64QAM(MCS5)	5530MHz	9.73	13	Complies
256QAM(MCS8)	5530MHz	10.69	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.29	13	Complies
QPSK(MCS1)	5260MHz	8.84	13	Complies
16QAM(MCS3)	5260MHz	9.53	13	Complies
64QAM(MCS5)	5260MHz	9.39	13	Complies
256QAM(MCS8)	5260MHz	10.65	13	Complies
BSPK(MCS0)	5580MHz	9.54	13	Complies
QPSK(MCS1)	5580MHz	8.75	13	Complies
16QAM(MCS3)	5580MHz	9.21	13	Complies
64QAM(MCS5)	5580MHz	10.14	13	Complies
256QAM(MCS8)	5580MHz	10.36	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.22	13	Complies
QPSK(MCS1)	5270MHz	9.86	13	Complies
16QAM(MCS3)	5270MHz	10.14	13	Complies
64QAM(MCS5)	5270MHz	9.78	13	Complies
256QAM(MCS8)	5270MHz	10.52	13	Complies
BSPK(MCS0)	5670MHz	9.26	13	Complies
QPSK(MCS1)	5670MHz	9.25	13	Complies
16QAM(MCS3)	5670MHz	10.06	13	Complies
64QAM(MCS5)	5670MHz	10.48	13	Complies
256QAM(MCS8)	5670MHz	10.61	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	8.85	13	Complies
QPSK(MCS1)	5290MHz	11.25	13	Complies
16QAM(MCS3)	5290MHz	10.70	13	Complies
64QAM(MCS5)	5290MHz	10.04	13	Complies
256QAM(MCS8)	5290MHz	10.47	13	Complies
BSPK(MCS0)	5530MHz	9.25	13	Complies
QPSK(MCS1)	5530MHz	11.15	13	Complies
16QAM(MCS3)	5530MHz	11.64	13	Complies
64QAM(MCS5)	5530MHz	10.37	13	Complies
256QAM(MCS8)	5530MHz	10.54	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.17	13	Complies
QPSK(MCS1)	5260MHz	9.40	13	Complies
16QAM(MCS3)	5260MHz	10.33	13	Complies
64QAM(MCS5)	5260MHz	10.18	13	Complies
256QAM(MCS8)	5260MHz	10.10	13	Complies
BSPK(MCS0)	5580MHz	9.25	13	Complies
QPSK(MCS1)	5580MHz	9.07	13	Complies
16QAM(MCS3)	5580MHz	10.32	13	Complies
64QAM(MCS5)	5580MHz	10.15	13	Complies
256QAM(MCS8)	5580MHz	10.51	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.06	13	Complies
QPSK(MCS1)	5270MHz	9.00	13	Complies
16QAM(MCS3)	5270MHz	9.87	13	Complies
64QAM(MCS5)	5270MHz	10.25	13	Complies
256QAM(MCS8)	5270MHz	10.58	13	Complies
BSPK(MCS0)	5550MHz	9.56	13	Complies
QPSK(MCS1)	5550MHz	9.19	13	Complies
16QAM(MCS3)	5550MHz	10.25	13	Complies
64QAM(MCS5)	5550MHz	10.18	13	Complies
256QAM(MCS8)	5550MHz	10.53	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.48	13	Complies
QPSK(MCS1)	5290MHz	11.26	13	Complies
16QAM(MCS3)	5290MHz	10.82	13	Complies
64QAM(MCS5)	5290MHz	10.34	13	Complies
256QAM(MCS8)	5290MHz	10.52	13	Complies
BSPK(MCS0)	5530MHz	9.58	13	Complies
QPSK(MCS1)	5530MHz	10.81	13	Complies
16QAM(MCS3)	5530MHz	11.39	13	Complies
64QAM(MCS5)	5530MHz	10.88	13	Complies
256QAM(MCS8)	5530MHz	11.08	13	Complies

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.42	13	Complies
QPSK(MCS1)	5300MHz	9.01	13	Complies
16QAM(MCS3)	5300MHz	9.18	13	Complies
64QAM(MCS5)	5300MHz	10.66	13	Complies
256QAM(MCS8)	5300MHz	10.00	13	Complies
BSPK(MCS0)	5580MHz	8.81	13	Complies
QPSK(MCS1)	5580MHz	9.44	13	Complies
16QAM(MCS3)	5580MHz	9.73	13	Complies
64QAM(MCS5)	5580MHz	10.46	13	Complies
256QAM(MCS8)	5580MHz	11.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.07	13	Complies
QPSK(MCS1)	5270MHz	9.72	13	Complies
16QAM(MCS3)	5270MHz	10.18	13	Complies
64QAM(MCS5)	5270MHz	9.82	13	Complies
256QAM(MCS8)	5270MHz	10.91	13	Complies
BSPK(MCS0)	5670MHz	9.66	13	Complies
QPSK(MCS1)	5670MHz	10.12	13	Complies
16QAM(MCS3)	5670MHz	9.98	13	Complies
64QAM(MCS5)	5670MHz	11.83	13	Complies
256QAM(MCS8)	5670MHz	10.63	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.41	13	Complies
QPSK(MCS1)	5290MHz	10.29	13	Complies
16QAM(MCS3)	5290MHz	11.35	13	Complies
64QAM(MCS5)	5290MHz	11.06	13	Complies
256QAM(MCS8)	5290MHz	10.79	13	Complies
BSPK(MCS0)	5530MHz	9.73	13	Complies
QPSK(MCS1)	5530MHz	11.76	13	Complies
16QAM(MCS3)	5530MHz	11.64	13	Complies
64QAM(MCS5)	5530MHz	10.21	13	Complies
256QAM(MCS8)	5530MHz	10.94	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	8.84	13	Complies
QPSK(MCS1)	5260MHz	9.29	13	Complies
16QAM(MCS3)	5260MHz	10.33	13	Complies
64QAM(MCS5)	5260MHz	9.54	13	Complies
256QAM(MCS8)	5260MHz	11.23	13	Complies
BSPK(MCS0)	5580MHz	8.91	13	Complies
QPSK(MCS1)	5580MHz	9.60	13	Complies
16QAM(MCS3)	5580MHz	9.84	13	Complies
64QAM(MCS5)	5580MHz	9.84	13	Complies
256QAM(MCS8)	5580MHz	9.46	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.20	13	Complies
QPSK(MCS1)	5270MHz	8.83	13	Complies
16QAM(MCS3)	5270MHz	9.43	13	Complies
64QAM(MCS5)	5270MHz	10.27	13	Complies
256QAM(MCS8)	5270MHz	10.15	13	Complies
BSPK(MCS0)	5670MHz	8.78	13	Complies
QPSK(MCS1)	5670MHz	9.26	13	Complies
16QAM(MCS3)	5670MHz	10.31	13	Complies
64QAM(MCS5)	5670MHz	10.42	13	Complies
256QAM(MCS8)	5670MHz	10.32	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.09	13	Complies
QPSK(MCS1)	5290MHz	10.71	13	Complies
16QAM(MCS3)	5290MHz	10.82	13	Complies
64QAM(MCS5)	5290MHz	10.89	13	Complies
256QAM(MCS8)	5290MHz	10.21	13	Complies
BSPK(MCS0)	5530MHz	9.65	13	Complies
QPSK(MCS1)	5530MHz	10.75	13	Complies
16QAM(MCS3)	5530MHz	10.85	13	Complies
64QAM(MCS5)	5530MHz	10.69	13	Complies
256QAM(MCS8)	5530MHz	10.49	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.23	13	Complies
QPSK(MCS1)	5260MHz	9.21	13	Complies
16QAM(MCS3)	5260MHz	10.07	13	Complies
64QAM(MCS5)	5260MHz	9.74	13	Complies
256QAM(MCS8)	5260MHz	10.06	13	Complies
BSPK(MCS0)	5580MHz	9.38	13	Complies
QPSK(MCS1)	5580MHz	9.18	13	Complies
16QAM(MCS3)	5580MHz	9.84	13	Complies
64QAM(MCS5)	5580MHz	10.68	13	Complies
256QAM(MCS8)	5580MHz	11.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.91	13	Complies
QPSK(MCS1)	5270MHz	9.37	13	Complies
16QAM(MCS3)	5270MHz	10.03	13	Complies
64QAM(MCS5)	5270MHz	10.34	13	Complies
256QAM(MCS8)	5270MHz	10.88	13	Complies
BSPK(MCS0)	5670MHz	9.37	13	Complies
QPSK(MCS1)	5670MHz	9.73	13	Complies
16QAM(MCS3)	5670MHz	10.15	13	Complies
64QAM(MCS5)	5670MHz	10.08	13	Complies
256QAM(MCS8)	5670MHz	10.81	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	11.86	13	Complies
QPSK(MCS1)	5290MHz	10.22	13	Complies
16QAM(MCS3)	5290MHz	10.53	13	Complies
64QAM(MCS5)	5290MHz	11.81	13	Complies
256QAM(MCS8)	5290MHz	10.87	13	Complies
BSPK(MCS0)	5530MHz	10.43	13	Complies
QPSK(MCS1)	5530MHz	10.24	13	Complies
16QAM(MCS3)	5530MHz	10.39	13	Complies
64QAM(MCS5)	5530MHz	10.76	13	Complies
256QAM(MCS8)	5530MHz	10.30	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.24	13	Complies
QPSK(MCS1)	5300MHz	9.10	13	Complies
16QAM(MCS3)	5300MHz	8.84	13	Complies
64QAM(MCS5)	5300MHz	9.20	13	Complies
256QAM(MCS8)	5300MHz	10.74	13	Complies
BSPK(MCS0)	5580MHz	9.23	13	Complies
QPSK(MCS1)	5580MHz	8.67	13	Complies
16QAM(MCS3)	5580MHz	9.52	13	Complies
64QAM(MCS5)	5580MHz	10.01	13	Complies
256QAM(MCS8)	5580MHz	10.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.69	13	Complies
QPSK(MCS1)	5270MHz	9.31	13	Complies
16QAM(MCS3)	5270MHz	10.04	13	Complies
64QAM(MCS5)	5270MHz	10.24	13	Complies
256QAM(MCS8)	5270MHz	11.46	13	Complies
BSPK(MCS0)	5550MHz	9.75	13	Complies
QPSK(MCS1)	5550MHz	9.48	13	Complies
16QAM(MCS3)	5550MHz	9.63	13	Complies
64QAM(MCS5)	5550MHz	10.46	13	Complies
256QAM(MCS8)	5550MHz	9.92	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	8.87	13	Complies
QPSK(MCS1)	5290MHz	11.40	13	Complies
16QAM(MCS3)	5290MHz	11.83	13	Complies
64QAM(MCS5)	5290MHz	9.95	13	Complies
256QAM(MCS8)	5290MHz	10.53	13	Complies
BSPK(MCS0)	5530MHz	9.62	13	Complies
QPSK(MCS1)	5530MHz	11.24	13	Complies
16QAM(MCS3)	5530MHz	11.41	13	Complies
64QAM(MCS5)	5530MHz	10.03	13	Complies
256QAM(MCS8)	5530MHz	10.59	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.29	13	Complies
QPSK(MCS1)	5260MHz	8.84	13	Complies
16QAM(MCS3)	5260MHz	9.53	13	Complies
64QAM(MCS5)	5260MHz	9.39	13	Complies
256QAM(MCS8)	5260MHz	10.65	13	Complies
BSPK(MCS0)	5580MHz	9.54	13	Complies
QPSK(MCS1)	5580MHz	8.75	13	Complies
16QAM(MCS3)	5580MHz	9.21	13	Complies
64QAM(MCS5)	5580MHz	10.14	13	Complies
256QAM(MCS8)	5580MHz	10.36	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.22	13	Complies
QPSK(MCS1)	5270MHz	9.86	13	Complies
16QAM(MCS3)	5270MHz	10.14	13	Complies
64QAM(MCS5)	5270MHz	9.78	13	Complies
256QAM(MCS8)	5270MHz	10.52	13	Complies
BSPK(MCS0)	5670MHz	9.26	13	Complies
QPSK(MCS1)	5670MHz	9.25	13	Complies
16QAM(MCS3)	5670MHz	10.06	13	Complies
64QAM(MCS5)	5670MHz	10.48	13	Complies
256QAM(MCS8)	5670MHz	10.61	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.53	13	Complies
QPSK(MCS1)	5290MHz	11.18	13	Complies
16QAM(MCS3)	5290MHz	11.38	13	Complies
64QAM(MCS5)	5290MHz	9.86	13	Complies
256QAM(MCS8)	5290MHz	10.57	13	Complies
BSPK(MCS0)	5530MHz	9.32	13	Complies
QPSK(MCS1)	5530MHz	11.35	13	Complies
16QAM(MCS3)	5530MHz	11.52	13	Complies
64QAM(MCS5)	5530MHz	9.74	13	Complies
256QAM(MCS8)	5530MHz	10.19	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.17	13	Complies
QPSK(MCS1)	5260MHz	9.40	13	Complies
16QAM(MCS3)	5260MHz	10.33	13	Complies
64QAM(MCS5)	5260MHz	10.18	13	Complies
256QAM(MCS8)	5260MHz	10.10	13	Complies
BSPK(MCS0)	5580MHz	9.25	13	Complies
QPSK(MCS1)	5580MHz	9.07	13	Complies
16QAM(MCS3)	5580MHz	10.32	13	Complies
64QAM(MCS5)	5580MHz	10.15	13	Complies
256QAM(MCS8)	5580MHz	10.51	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.06	13	Complies
QPSK(MCS1)	5270MHz	9.00	13	Complies
16QAM(MCS3)	5270MHz	9.87	13	Complies
64QAM(MCS5)	5270MHz	10.25	13	Complies
256QAM(MCS8)	5270MHz	10.58	13	Complies
BSPK(MCS0)	5550MHz	9.56	13	Complies
QPSK(MCS1)	5550MHz	9.19	13	Complies
16QAM(MCS3)	5550MHz	10.25	13	Complies
64QAM(MCS5)	5550MHz	10.18	13	Complies
256QAM(MCS8)	5550MHz	10.53	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.68	13	Complies
QPSK(MCS1)	5290MHz	10.61	13	Complies
16QAM(MCS3)	5290MHz	11.53	13	Complies
64QAM(MCS5)	5290MHz	9.83	13	Complies
256QAM(MCS8)	5290MHz	11.04	13	Complies
BSPK(MCS0)	5530MHz	9.83	13	Complies
QPSK(MCS1)	5530MHz	11.07	13	Complies
16QAM(MCS3)	5530MHz	11.06	13	Complies
64QAM(MCS5)	5530MHz	10.28	13	Complies
256QAM(MCS8)	5530MHz	10.74	13	Complies

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.10	13	Complies
QPSK(MCS1)	5300MHz	8.64	13	Complies
16QAM(MCS3)	5300MHz	9.40	13	Complies
64QAM(MCS5)	5300MHz	10.06	13	Complies
256QAM(MCS8)	5300MHz	10.85	13	Complies
BSPK(MCS0)	5580MHz	8.81	13	Complies
QPSK(MCS1)	5580MHz	9.44	13	Complies
16QAM(MCS3)	5580MHz	9.73	13	Complies
64QAM(MCS5)	5580MHz	10.46	13	Complies
256QAM(MCS8)	5580MHz	11.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.07	13	Complies
QPSK(MCS1)	5270MHz	9.72	13	Complies
16QAM(MCS3)	5270MHz	10.18	13	Complies
64QAM(MCS5)	5270MHz	9.82	13	Complies
256QAM(MCS8)	5270MHz	10.91	13	Complies
BSPK(MCS0)	5670MHz	9.66	13	Complies
QPSK(MCS1)	5670MHz	10.12	13	Complies
16QAM(MCS3)	5670MHz	9.98	13	Complies
64QAM(MCS5)	5670MHz	11.83	13	Complies
256QAM(MCS8)	5670MHz	10.63	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.43	13	Complies
QPSK(MCS1)	5290MHz	11.73	13	Complies
16QAM(MCS3)	5290MHz	11.39	13	Complies
64QAM(MCS5)	5290MHz	10.75	13	Complies
256QAM(MCS8)	5290MHz	11.45	13	Complies
BSPK(MCS0)	5530MHz	9.46	13	Complies
QPSK(MCS1)	5530MHz	11.59	13	Complies
16QAM(MCS3)	5530MHz	11.62	13	Complies
64QAM(MCS5)	5530MHz	11.31	13	Complies
256QAM(MCS8)	5530MHz	10.86	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	8.84	13	Complies
QPSK(MCS1)	5260MHz	9.29	13	Complies
16QAM(MCS3)	5260MHz	10.33	13	Complies
64QAM(MCS5)	5260MHz	9.54	13	Complies
256QAM(MCS8)	5260MHz	11.23	13	Complies
BSPK(MCS0)	5580MHz	8.91	13	Complies
QPSK(MCS1)	5580MHz	9.60	13	Complies
16QAM(MCS3)	5580MHz	9.84	13	Complies
64QAM(MCS5)	5580MHz	9.84	13	Complies
256QAM(MCS8)	5580MHz	9.46	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.20	13	Complies
QPSK(MCS1)	5270MHz	8.83	13	Complies
16QAM(MCS3)	5270MHz	9.43	13	Complies
64QAM(MCS5)	5270MHz	10.27	13	Complies
256QAM(MCS8)	5270MHz	10.15	13	Complies
BSPK(MCS0)	5670MHz	8.78	13	Complies
QPSK(MCS1)	5670MHz	9.26	13	Complies
16QAM(MCS3)	5670MHz	10.31	13	Complies
64QAM(MCS5)	5670MHz	10.42	13	Complies
256QAM(MCS8)	5670MHz	10.32	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.64	13	Complies
QPSK(MCS1)	5290MHz	10.56	13	Complies
16QAM(MCS3)	5290MHz	11.84	13	Complies
64QAM(MCS5)	5290MHz	10.54	13	Complies
256QAM(MCS8)	5290MHz	10.92	13	Complies
BSPK(MCS0)	5530MHz	8.95	13	Complies
QPSK(MCS1)	5530MHz	10.48	13	Complies
16QAM(MCS3)	5530MHz	10.89	13	Complies
64QAM(MCS5)	5530MHz	10.94	13	Complies
256QAM(MCS8)	5530MHz	10.52	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.23	13	Complies
QPSK(MCS1)	5260MHz	9.21	13	Complies
16QAM(MCS3)	5260MHz	10.07	13	Complies
64QAM(MCS5)	5260MHz	9.74	13	Complies
256QAM(MCS8)	5260MHz	10.06	13	Complies
BSPK(MCS0)	5580MHz	9.38	13	Complies
QPSK(MCS1)	5580MHz	9.18	13	Complies
16QAM(MCS3)	5580MHz	9.84	13	Complies
64QAM(MCS5)	5580MHz	10.68	13	Complies
256QAM(MCS8)	5580MHz	11.22	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.91	13	Complies
QPSK(MCS1)	5270MHz	9.37	13	Complies
16QAM(MCS3)	5270MHz	10.03	13	Complies
64QAM(MCS5)	5270MHz	10.34	13	Complies
256QAM(MCS8)	5270MHz	10.88	13	Complies
BSPK(MCS0)	5670MHz	9.37	13	Complies
QPSK(MCS1)	5670MHz	9.73	13	Complies
16QAM(MCS3)	5670MHz	10.15	13	Complies
64QAM(MCS5)	5670MHz	10.08	13	Complies
256QAM(MCS8)	5670MHz	10.81	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	11.75	13	Complies
QPSK(MCS1)	5290MHz	10.69	13	Complies
16QAM(MCS3)	5290MHz	10.53	13	Complies
64QAM(MCS5)	5290MHz	10.35	13	Complies
256QAM(MCS8)	5290MHz	10.55	13	Complies
BSPK(MCS0)	5530MHz	11.30	13	Complies
QPSK(MCS1)	5530MHz	10.67	13	Complies
16QAM(MCS3)	5530MHz	10.17	13	Complies
64QAM(MCS5)	5530MHz	10.24	13	Complies
256QAM(MCS8)	5530MHz	10.40	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11ac
Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)		

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.17	13	Complies
QPSK(MCS1)	5300MHz	9.04	13	Complies
16QAM(MCS3)	5300MHz	9.17	13	Complies
64QAM(MCS5)	5300MHz	10.32	13	Complies
256QAM(MCS8)	5300MHz	9.61	13	Complies
BSPK(MCS0)	5580MHz	8.74	13	Complies
QPSK(MCS1)	5580MHz	8.78	13	Complies
16QAM(MCS3)	5580MHz	9.58	13	Complies
64QAM(MCS5)	5580MHz	10.11	13	Complies
256QAM(MCS8)	5580MHz	10.97	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.50	13	Complies
QPSK(MCS1)	5270MHz	9.51	13	Complies
16QAM(MCS3)	5270MHz	10.05	13	Complies
64QAM(MCS5)	5270MHz	11.16	13	Complies
256QAM(MCS8)	5270MHz	11.54	13	Complies
BSPK(MCS0)	5670MHz	9.46	13	Complies
QPSK(MCS1)	5670MHz	9.36	13	Complies
16QAM(MCS3)	5670MHz	10.64	13	Complies
64QAM(MCS5)	5670MHz	10.89	13	Complies
256QAM(MCS8)	5670MHz	11.14	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.07	13	Complies
QPSK(MCS1)	5290MHz	9.98	13	Complies
16QAM(MCS3)	5290MHz	10.39	13	Complies
64QAM(MCS5)	5290MHz	10.93	13	Complies
256QAM(MCS8)	5290MHz	11.16	13	Complies
BSPK(MCS0)	5530MHz	9.57	13	Complies
QPSK(MCS1)	5530MHz	11.10	13	Complies
16QAM(MCS3)	5530MHz	11.51	13	Complies
64QAM(MCS5)	5530MHz	11.32	13	Complies
256QAM(MCS8)	5530MHz	10.66	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.37	13	Complies
QPSK(MCS1)	5300MHz	9.43	13	Complies
16QAM(MCS3)	5300MHz	9.37	13	Complies
64QAM(MCS5)	5300MHz	10.11	13	Complies
256QAM(MCS8)	5300MHz	10.07	13	Complies
BSPK(MCS0)	5580MHz	9.30	13	Complies
QPSK(MCS1)	5580MHz	9.47	13	Complies
16QAM(MCS3)	5580MHz	9.97	13	Complies
64QAM(MCS5)	5580MHz	10.10	13	Complies
256QAM(MCS8)	5580MHz	10.97	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.05	13	Complies
QPSK(MCS1)	5270MHz	8.98	13	Complies
16QAM(MCS3)	5270MHz	10.07	13	Complies
64QAM(MCS5)	5270MHz	10.51	13	Complies
256QAM(MCS8)	5270MHz	10.43	13	Complies
BSPK(MCS0)	5550MHz	8.81	13	Complies
QPSK(MCS1)	5550MHz	10.37	13	Complies
16QAM(MCS3)	5550MHz	10.19	13	Complies
64QAM(MCS5)	5550MHz	10.05	13	Complies
256QAM(MCS8)	5550MHz	10.35	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.62	13	Complies
QPSK(MCS1)	5290MHz	10.44	13	Complies
16QAM(MCS3)	5290MHz	11.35	13	Complies
64QAM(MCS5)	5290MHz	10.03	13	Complies
256QAM(MCS8)	5290MHz	10.81	13	Complies
BSPK(MCS0)	5530MHz	10.08	13	Complies
QPSK(MCS1)	5530MHz	10.32	13	Complies
16QAM(MCS3)	5530MHz	10.95	13	Complies
64QAM(MCS5)	5530MHz	10.69	13	Complies
256QAM(MCS8)	5530MHz	10.98	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.25	13	Complies
QPSK(MCS1)	5260MHz	9.37	13	Complies
16QAM(MCS3)	5260MHz	9.84	13	Complies
64QAM(MCS5)	5260MHz	10.51	13	Complies
256QAM(MCS8)	5260MHz	11.85	13	Complies
BSPK(MCS0)	5580MHz	9.33	13	Complies
QPSK(MCS1)	5580MHz	9.51	13	Complies
16QAM(MCS3)	5580MHz	10.26	13	Complies
64QAM(MCS5)	5580MHz	10.82	13	Complies
256QAM(MCS8)	5580MHz	10.25	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	9.14	13	Complies
QPSK(MCS1)	5270MHz	9.63	13	Complies
16QAM(MCS3)	5270MHz	10.51	13	Complies
64QAM(MCS5)	5270MHz	10.19	13	Complies
256QAM(MCS8)	5270MHz	10.54	13	Complies
BSPK(MCS0)	5670MHz	9.38	13	Complies
QPSK(MCS1)	5670MHz	9.25	13	Complies
16QAM(MCS3)	5670MHz	11.15	13	Complies
64QAM(MCS5)	5670MHz	10.89	13	Complies
256QAM(MCS8)	5670MHz	10.55	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.20	13	Complies
QPSK(MCS1)	5290MHz	10.30	13	Complies
16QAM(MCS3)	5290MHz	10.80	13	Complies
64QAM(MCS5)	5290MHz	10.67	13	Complies
256QAM(MCS8)	5290MHz	10.56	13	Complies
BSPK(MCS0)	5530MHz	10.92	13	Complies
QPSK(MCS1)	5530MHz	10.70	13	Complies
16QAM(MCS3)	5530MHz	10.26	13	Complies
64QAM(MCS5)	5530MHz	10.37	13	Complies
256QAM(MCS8)	5530MHz	11.04	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Serway Li	Configurations	IEEE 802.11ac
Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.77	13	Complies
QPSK(MCS1)	5260MHz	9.75	13	Complies
16QAM(MCS3)	5260MHz	9.92	13	Complies
64QAM(MCS5)	5260MHz	11.13	13	Complies
256QAM(MCS8)	5260MHz	9.82	13	Complies
BSPK(MCS0)	5580MHz	9.82	13	Complies
QPSK(MCS1)	5580MHz	9.97	13	Complies
16QAM(MCS3)	5580MHz	10.04	13	Complies
64QAM(MCS5)	5580MHz	10.72	13	Complies
256QAM(MCS8)	5580MHz	9.59	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	10.04	13	Complies
QPSK(MCS1)	5270MHz	10.53	13	Complies
16QAM(MCS3)	5270MHz	10.95	13	Complies
64QAM(MCS5)	5270MHz	10.18	13	Complies
256QAM(MCS8)	5270MHz	11.16	13	Complies
BSPK(MCS0)	5550MHz	10.32	13	Complies
QPSK(MCS1)	5550MHz	9.94	13	Complies
16QAM(MCS3)	5550MHz	12.13	13	Complies
64QAM(MCS5)	5550MHz	10.33	13	Complies
256QAM(MCS8)	5550MHz	10.57	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	9.14	13	Complies
QPSK(MCS1)	5290MHz	10.05	13	Complies
16QAM(MCS3)	5290MHz	9.88	13	Complies
64QAM(MCS5)	5290MHz	9.60	13	Complies
256QAM(MCS8)	5290MHz	9.76	13	Complies
BSPK(MCS0)	5530MHz	8.29	13	Complies
QPSK(MCS1)	5530MHz	9.52	13	Complies
16QAM(MCS3)	5530MHz	9.67	13	Complies
64QAM(MCS5)	5530MHz	9.84	13	Complies
256QAM(MCS8)	5530MHz	9.69	13	Complies

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.44	13	Complies
QPSK(MCS1)	5260MHz	9.67	13	Complies
16QAM(MCS3)	5260MHz	10.02	13	Complies
64QAM(MCS5)	5260MHz	11.47	13	Complies
256QAM(MCS8)	5260MHz	10.49	13	Complies
BSPK(MCS0)	5580MHz	9.55	13	Complies
QPSK(MCS1)	5580MHz	9.42	13	Complies
16QAM(MCS3)	5580MHz	10.67	13	Complies
64QAM(MCS5)	5580MHz	10.63	13	Complies
256QAM(MCS8)	5580MHz	10.01	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	10.18	13	Complies
QPSK(MCS1)	5270MHz	10.47	13	Complies
16QAM(MCS3)	5270MHz	11.35	13	Complies
64QAM(MCS5)	5270MHz	11.02	13	Complies
256QAM(MCS8)	5270MHz	10.53	13	Complies
BSPK(MCS0)	5550MHz	10.09	13	Complies
QPSK(MCS1)	5550MHz	10.35	13	Complies
16QAM(MCS3)	5550MHz	10.73	13	Complies
64QAM(MCS5)	5550MHz	11.66	13	Complies
256QAM(MCS8)	5550MHz	11.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.97	13	Complies
QPSK(MCS1)	5290MHz	9.81	13	Complies
16QAM(MCS3)	5290MHz	10.75	13	Complies
64QAM(MCS5)	5290MHz	11.23	13	Complies
256QAM(MCS8)	5290MHz	10.46	13	Complies
BSPK(MCS0)	5530MHz	10.09	13	Complies
QPSK(MCS1)	5530MHz	10.84	13	Complies
16QAM(MCS3)	5530MHz	10.50	13	Complies
64QAM(MCS5)	5530MHz	10.90	13	Complies
256QAM(MCS8)	5530MHz	10.31	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	10.97	13	Complies
QPSK(MCS1)	5260MHz	10.00	13	Complies
16QAM(MCS3)	5260MHz	10.81	13	Complies
64QAM(MCS5)	5260MHz	11.84	13	Complies
256QAM(MCS8)	5260MHz	10.18	13	Complies
BSPK(MCS0)	5580MHz	10.24	13	Complies
QPSK(MCS1)	5580MHz	9.64	13	Complies
16QAM(MCS3)	5580MHz	10.90	13	Complies
64QAM(MCS5)	5580MHz	11.23	13	Complies
256QAM(MCS8)	5580MHz	10.31	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	11.11	13	Complies
QPSK(MCS1)	5270MHz	10.95	13	Complies
16QAM(MCS3)	5270MHz	11.87	13	Complies
64QAM(MCS5)	5270MHz	10.98	13	Complies
256QAM(MCS8)	5270MHz	11.41	13	Complies
BSPK(MCS0)	5550MHz	10.75	13	Complies
QPSK(MCS1)	5550MHz	11.19	13	Complies
16QAM(MCS3)	5550MHz	10.75	13	Complies
64QAM(MCS5)	5550MHz	11.06	13	Complies
256QAM(MCS8)	5550MHz	11.25	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.92	13	Complies
QPSK(MCS1)	5290MHz	10.47	13	Complies
16QAM(MCS3)	5290MHz	10.19	13	Complies
64QAM(MCS5)	5290MHz	10.62	13	Complies
256QAM(MCS8)	5290MHz	11.03	13	Complies
BSPK(MCS0)	5530MHz	10.93	13	Complies
QPSK(MCS1)	5530MHz	10.35	13	Complies
16QAM(MCS3)	5530MHz	10.68	13	Complies
64QAM(MCS5)	5530MHz	10.31	13	Complies
256QAM(MCS8)	5530MHz	11.06	13	Complies

3TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5300MHz	9.78	13	Complies
QPSK(MCS1)	5300MHz	9.75	13	Complies
16QAM(MCS3)	5300MHz	10.86	13	Complies
64QAM(MCS5)	5300MHz	11.54	13	Complies
256QAM(MCS8)	5300MHz	9.79	13	Complies
BSPK(MCS0)	5580MHz	10.28	13	Complies
QPSK(MCS1)	5580MHz	10.17	13	Complies
16QAM(MCS3)	5580MHz	10.48	13	Complies
64QAM(MCS5)	5580MHz	10.74	13	Complies
256QAM(MCS8)	5580MHz	10.11	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	10.12	13	Complies
QPSK(MCS1)	5270MHz	10.38	13	Complies
16QAM(MCS3)	5270MHz	11.36	13	Complies
64QAM(MCS5)	5270MHz	11.68	13	Complies
256QAM(MCS8)	5270MHz	11.70	13	Complies
BSPK(MCS0)	5670MHz	10.32	13	Complies
QPSK(MCS1)	5670MHz	10.28	13	Complies
16QAM(MCS3)	5670MHz	11.41	13	Complies
64QAM(MCS5)	5670MHz	11.45	13	Complies
256QAM(MCS8)	5670MHz	10.74	13	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.93	13	Complies
QPSK(MCS1)	5290MHz	10.61	13	Complies
16QAM(MCS3)	5290MHz	10.12	13	Complies
64QAM(MCS5)	5290MHz	10.32	13	Complies
256QAM(MCS8)	5290MHz	10.65	13	Complies
BSPK(MCS0)	5530MHz	11.15	13	Complies
QPSK(MCS1)	5530MHz	10.29	13	Complies
16QAM(MCS3)	5530MHz	11.09	13	Complies
64QAM(MCS5)	5530MHz	10.35	13	Complies
256QAM(MCS8)	5530MHz	10.40	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	9.91	13	Complies
QPSK(MCS1)	5260MHz	9.59	13	Complies
16QAM(MCS3)	5260MHz	10.62	13	Complies
64QAM(MCS5)	5260MHz	11.19	13	Complies
256QAM(MCS8)	5260MHz	10.08	13	Complies
BSPK(MCS0)	5580MHz	9.54	13	Complies
QPSK(MCS1)	5580MHz	9.99	13	Complies
16QAM(MCS3)	5580MHz	11.43	13	Complies
64QAM(MCS5)	5580MHz	11.49	13	Complies
256QAM(MCS8)	5580MHz	10.07	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	10.87	13	Complies
QPSK(MCS1)	5270MHz	11.79	13	Complies
16QAM(MCS3)	5270MHz	11.18	13	Complies
64QAM(MCS5)	5270MHz	11.28	13	Complies
256QAM(MCS8)	5270MHz	11.06	13	Complies
BSPK(MCS0)	5670MHz	11.40	13	Complies
QPSK(MCS1)	5670MHz	11.25	13	Complies
16QAM(MCS3)	5670MHz	12.31	13	Complies
64QAM(MCS5)	5670MHz	11.03	13	Complies
256QAM(MCS8)	5670MHz	11.07	13	Complies

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	10.94	13	Complies
QPSK(MCS1)	5290MHz	10.40	13	Complies
16QAM(MCS3)	5290MHz	11.12	13	Complies
64QAM(MCS5)	5290MHz	10.16	13	Complies
256QAM(MCS8)	5290MHz	10.08	13	Complies
BSPK(MCS0)	5530MHz	10.38	13	Complies
QPSK(MCS1)	5530MHz	10.96	13	Complies
16QAM(MCS3)	5530MHz	10.63	13	Complies
64QAM(MCS5)	5530MHz	10.31	13	Complies
256QAM(MCS8)	5530MHz	10.45	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5260MHz	10.51	13	Complies
QPSK(MCS1)	5260MHz	10.35	13	Complies
16QAM(MCS3)	5260MHz	12.13	13	Complies
64QAM(MCS5)	5260MHz	10.69	13	Complies
256QAM(MCS8)	5260MHz	10.42	13	Complies
BSPK(MCS0)	5580MHz	9.97	13	Complies
QPSK(MCS1)	5580MHz	10.46	13	Complies
16QAM(MCS3)	5580MHz	11.17	13	Complies
64QAM(MCS5)	5580MHz	11.52	13	Complies
256QAM(MCS8)	5580MHz	11.13	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5270MHz	11.64	13	Complies
QPSK(MCS1)	5270MHz	10.95	13	Complies
16QAM(MCS3)	5270MHz	12.55	13	Complies
64QAM(MCS5)	5270MHz	12.47	13	Complies
256QAM(MCS8)	5270MHz	12.10	13	Complies
BSPK(MCS0)	5550MHz	11.56	13	Complies
QPSK(MCS1)	5550MHz	12.21	13	Complies
16QAM(MCS3)	5550MHz	12.28	13	Complies
64QAM(MCS5)	5550MHz	11.91	13	Complies
256QAM(MCS8)	5550MHz	11.49	13	Complies

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

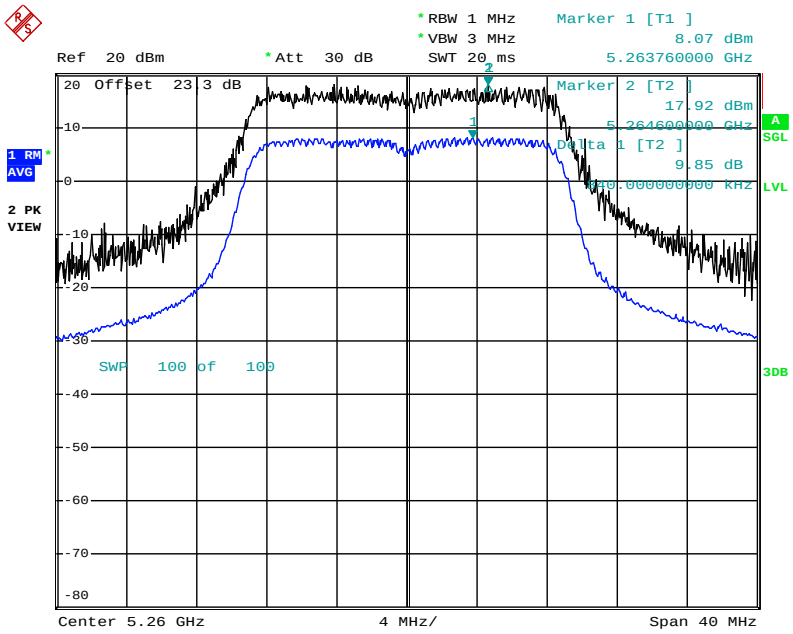
Modulation	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
BSPK(MCS0)	5290MHz	11.82	13	Complies
QPSK(MCS1)	5290MHz	12.35	13	Complies
16QAM(MCS3)	5290MHz	11.62	13	Complies
64QAM(MCS5)	5290MHz	11.70	13	Complies
256QAM(MCS8)	5290MHz	12.33	13	Complies
BSPK(MCS0)	5530MHz	11.75	13	Complies
QPSK(MCS1)	5530MHz	11.69	13	Complies
16QAM(MCS3)	5530MHz	11.56	13	Complies
64QAM(MCS5)	5530MHz	11.84	13	Complies
256QAM(MCS8)	5530MHz	11.76	13	Complies

Note: Only the channel with maximum results was listed in the report.

Mode 1 (Ant.1 Dipole antenna / 8dBi)

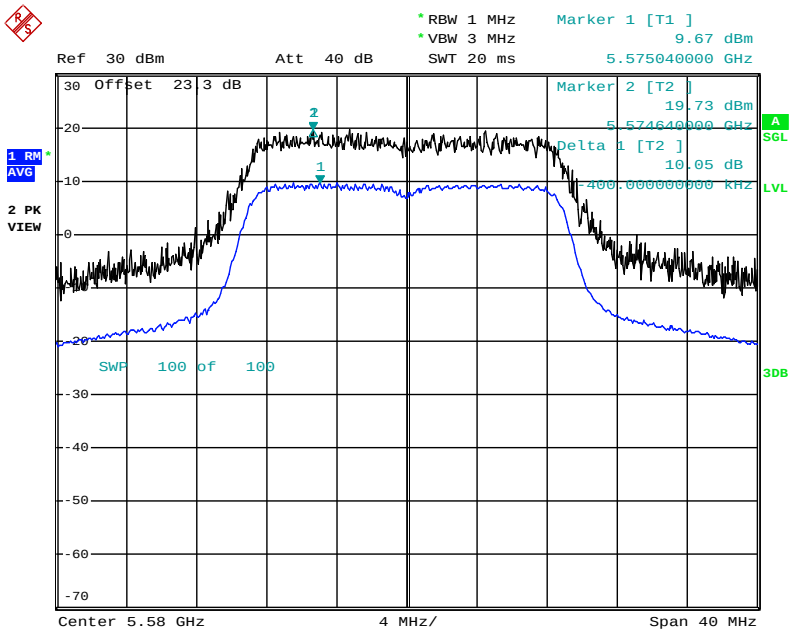
1TX

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



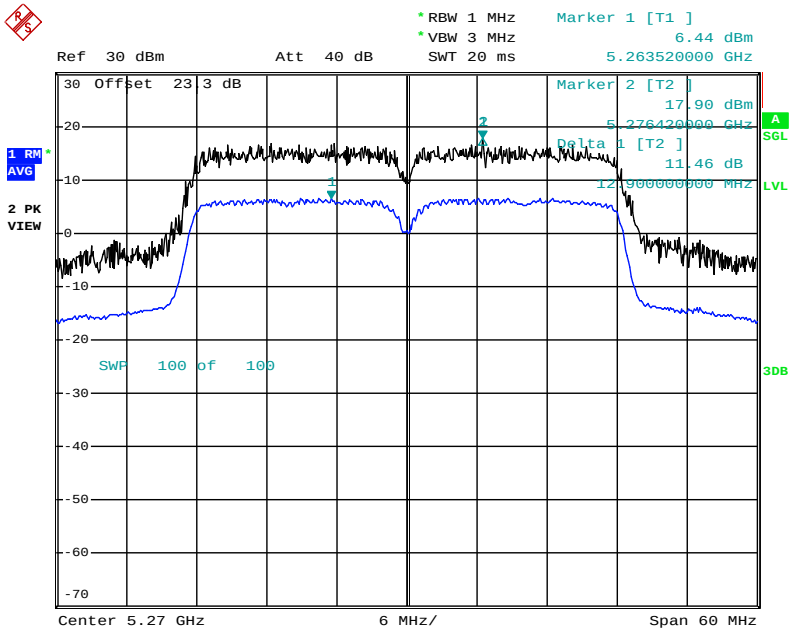
Date: 27.MAY.2013 07:57:34

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



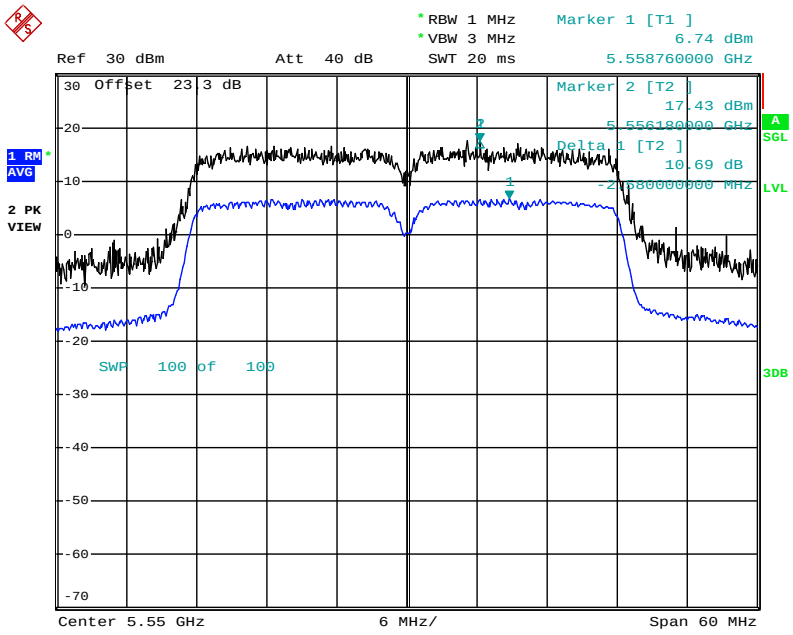
Date: 21.MAY.2013 12:30:22

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



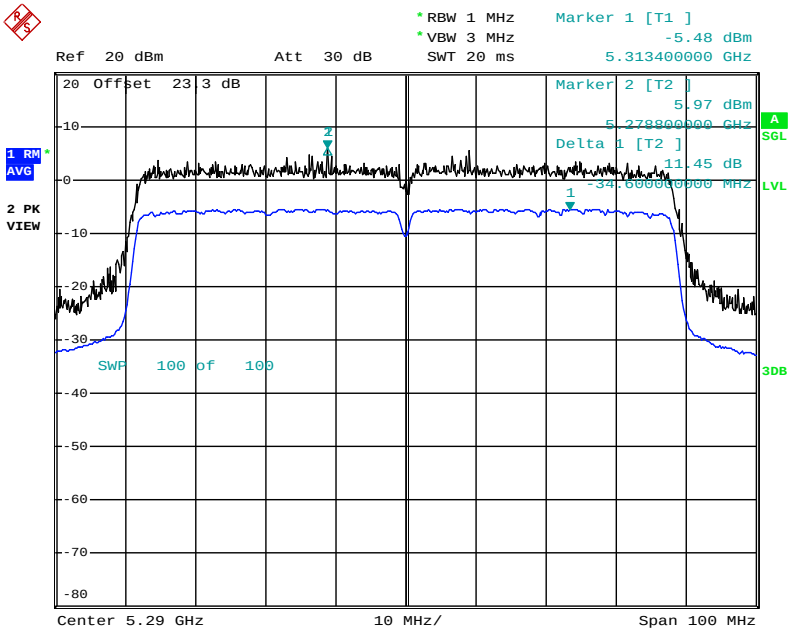
Date: 21.MAY.2013 12:38:21

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



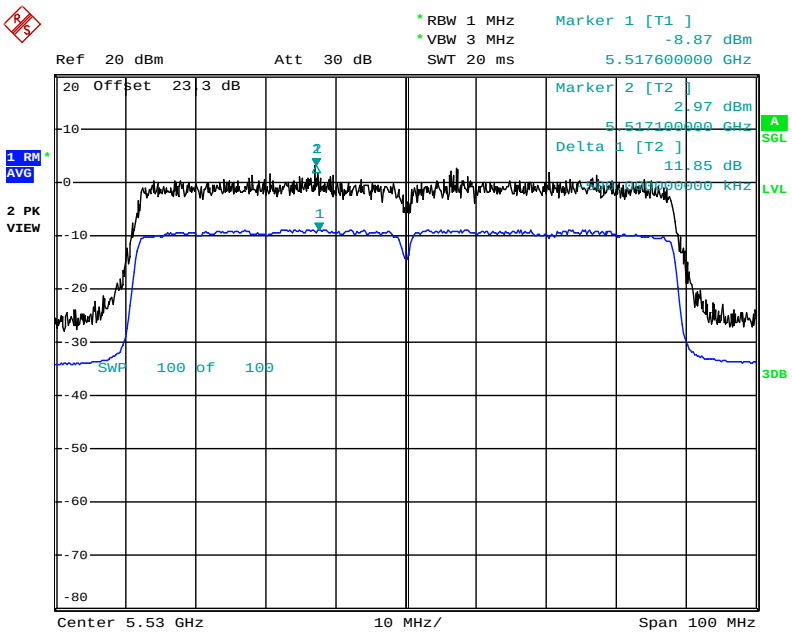
Date: 21.MAY.2013 12:36:32

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



Date: 21.MAY.2013 12:52:44

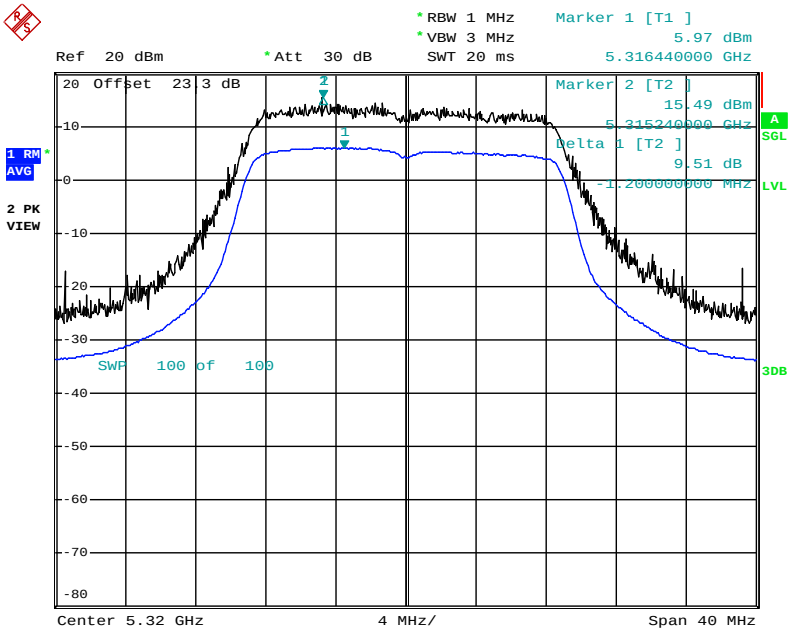
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5530 MHz



Date: 21.MAY.2013 13:25:03

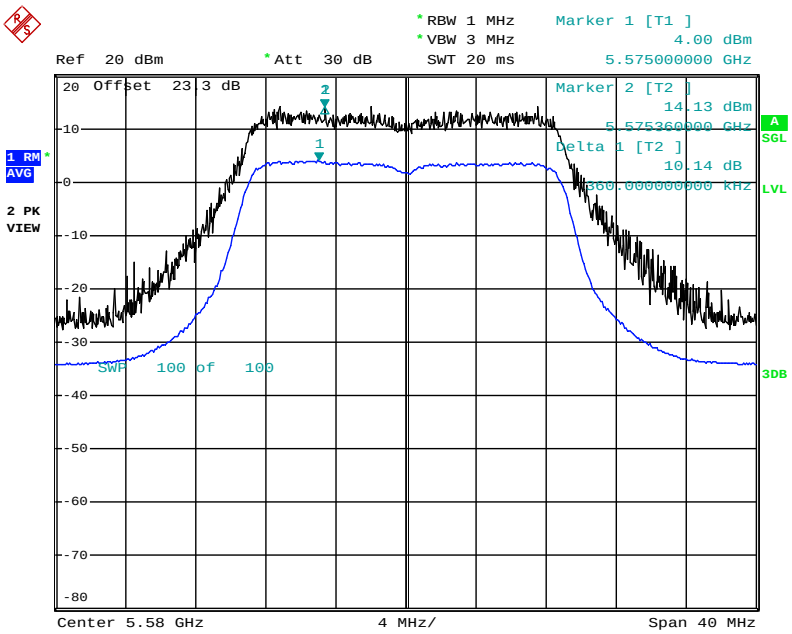
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / QPSK(MCS1) / 5320 MHz



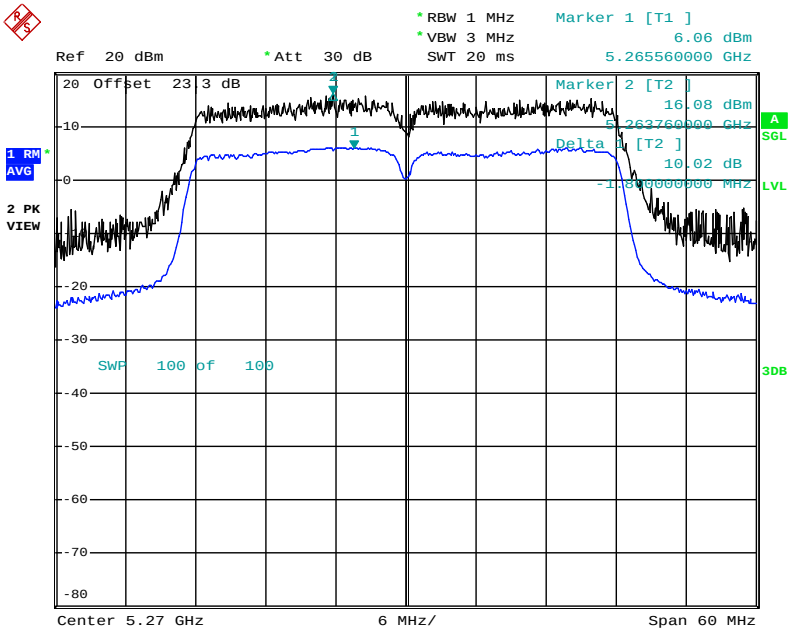
Date: 25.MAY.2013 07:29:52

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



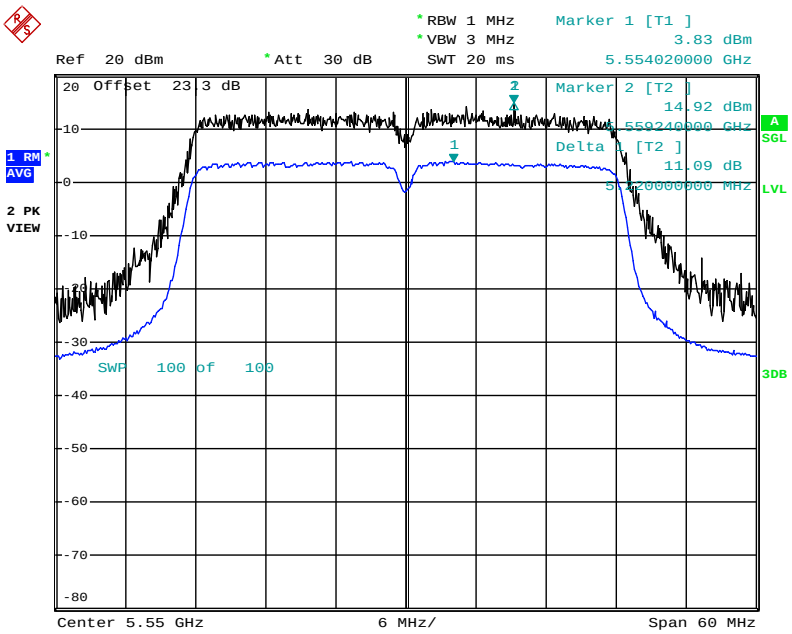
Date: 25.MAY.2013 07:59:44

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



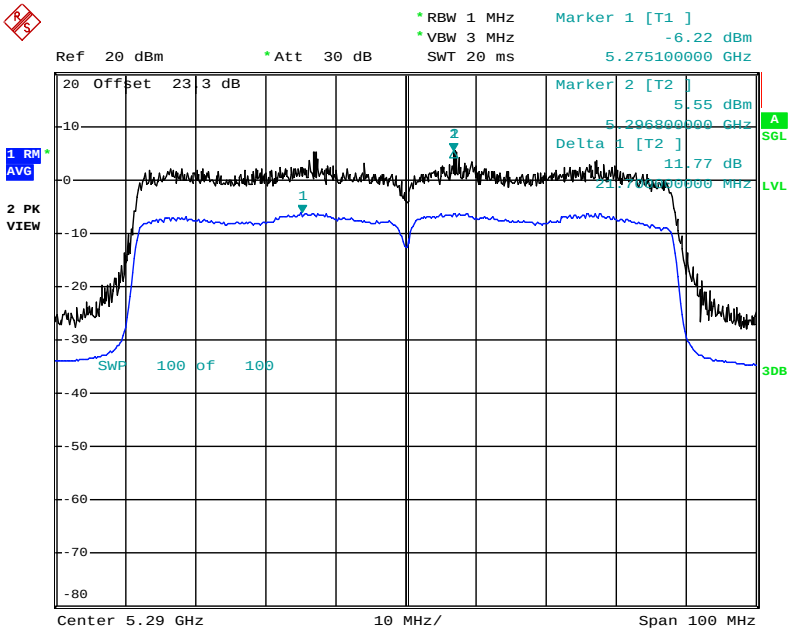
Date: 25.MAY.2013 09:42:48

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



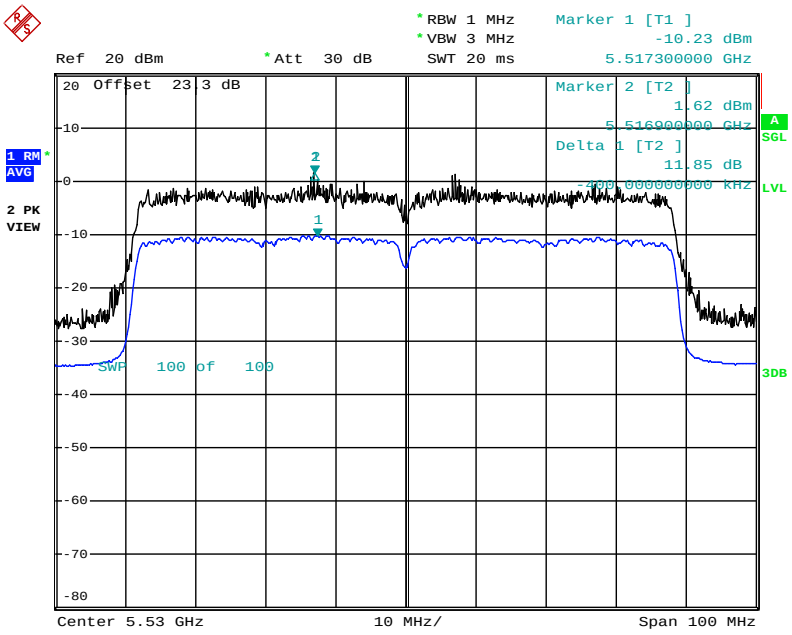
Date: 25.MAY.2013 09:21:39

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



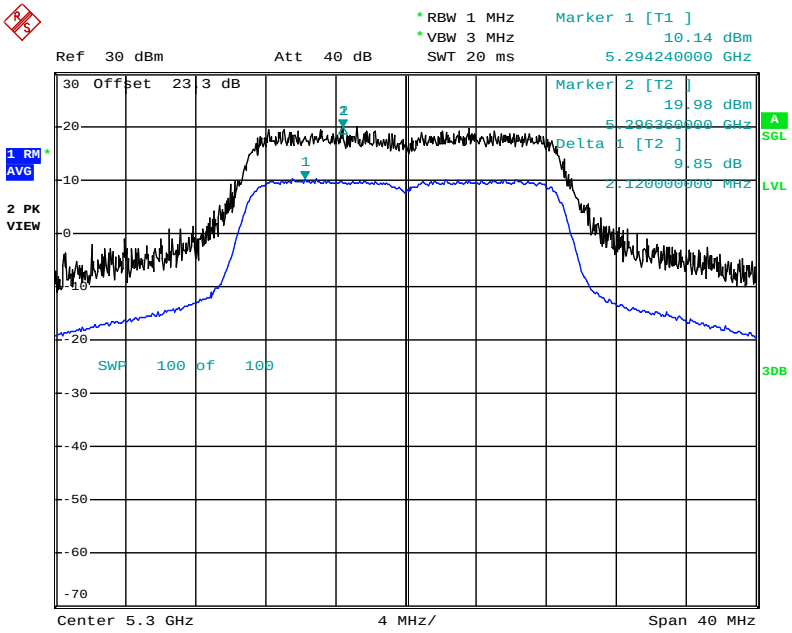
Date: 25.MAY.2013 14:13:27

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



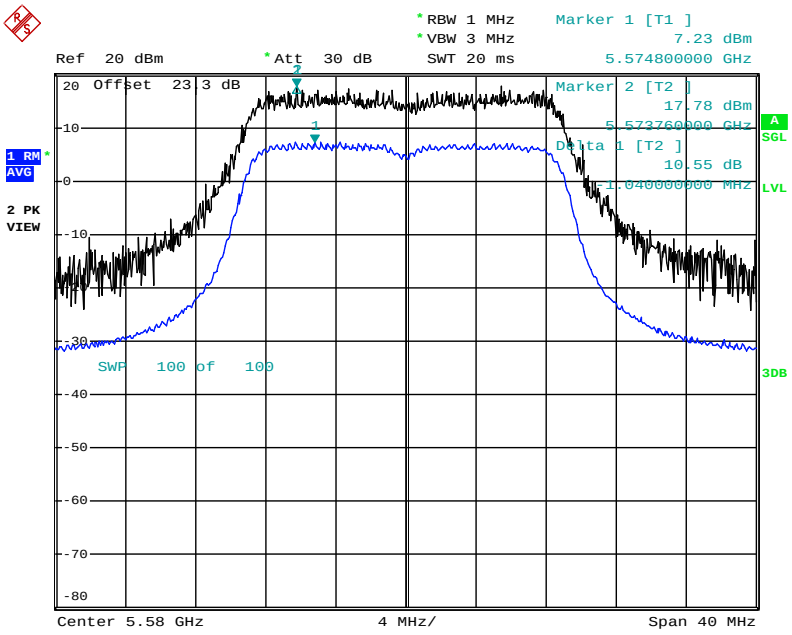
Date: 25.MAY.2013 14:16:46

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



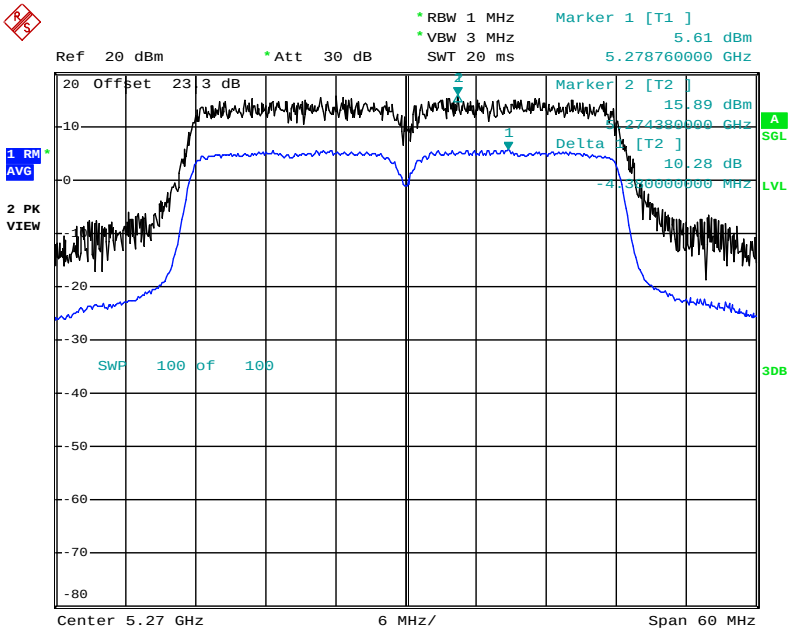
Date: 21.MAY.2013 12:26:57

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



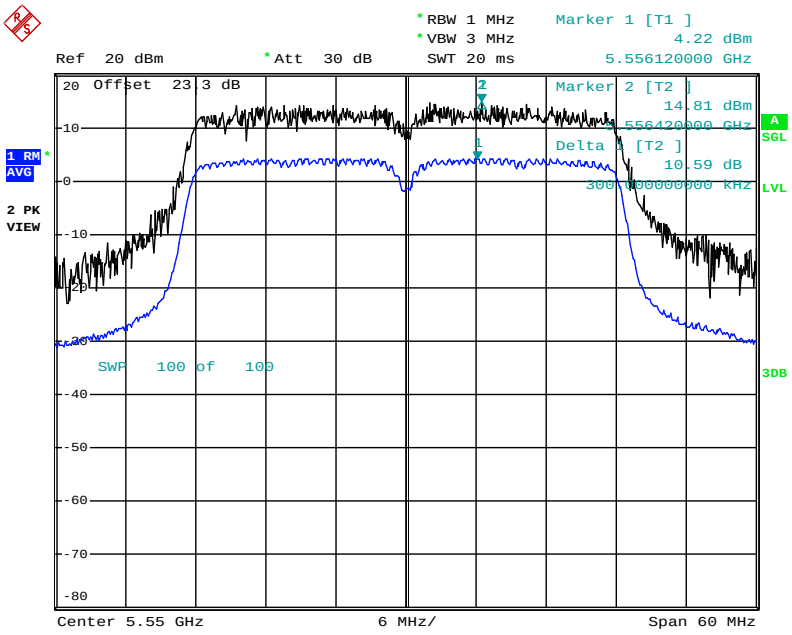
Date: 27.MAY.2013 08:12:48

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



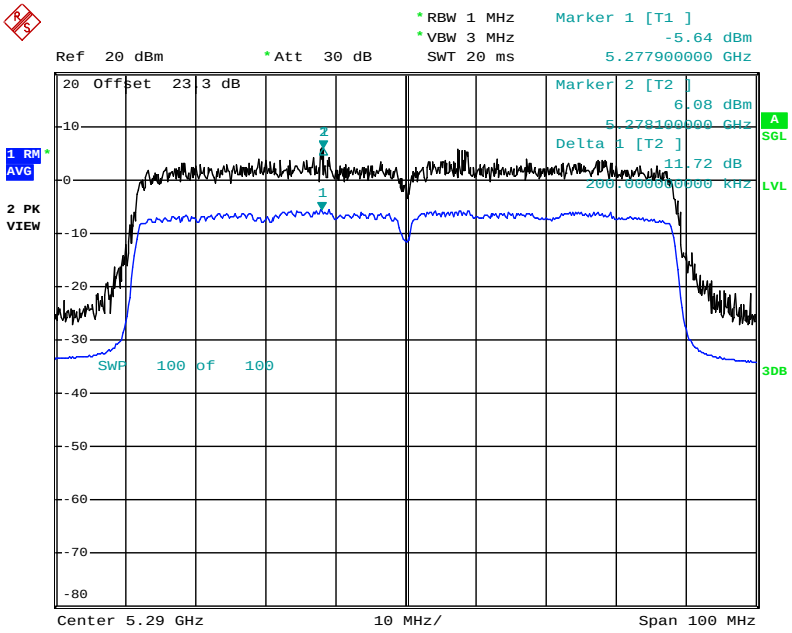
Date: 27.MAY.2013 08:54:59

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



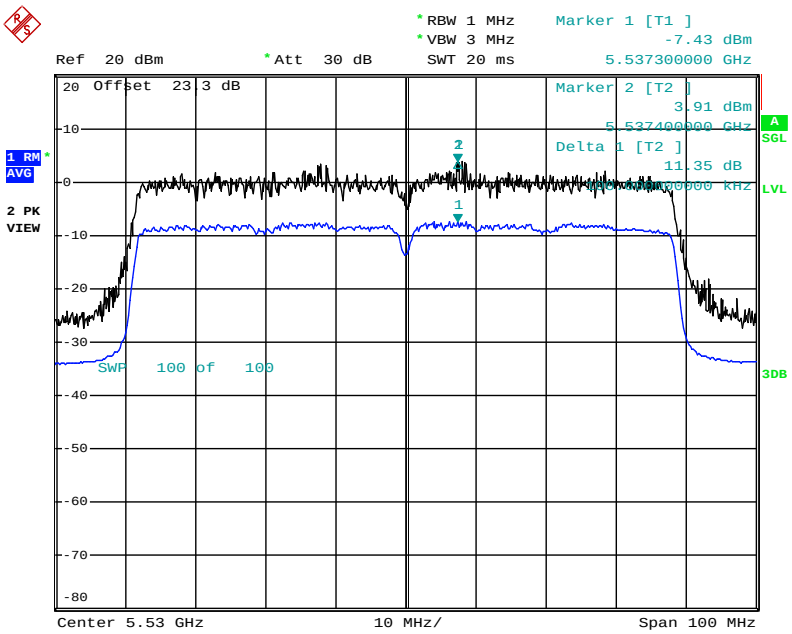
Date: 27.MAY.2013 08:19:03

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



Date: 27.MAY.2013 09:00:39

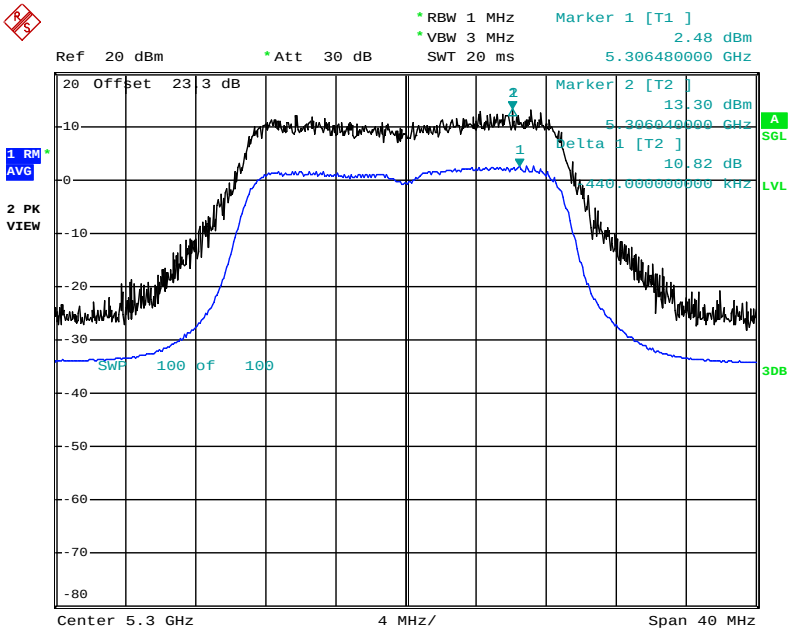
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5530 MHz



Date: 27.MAY.2013 09:28:10

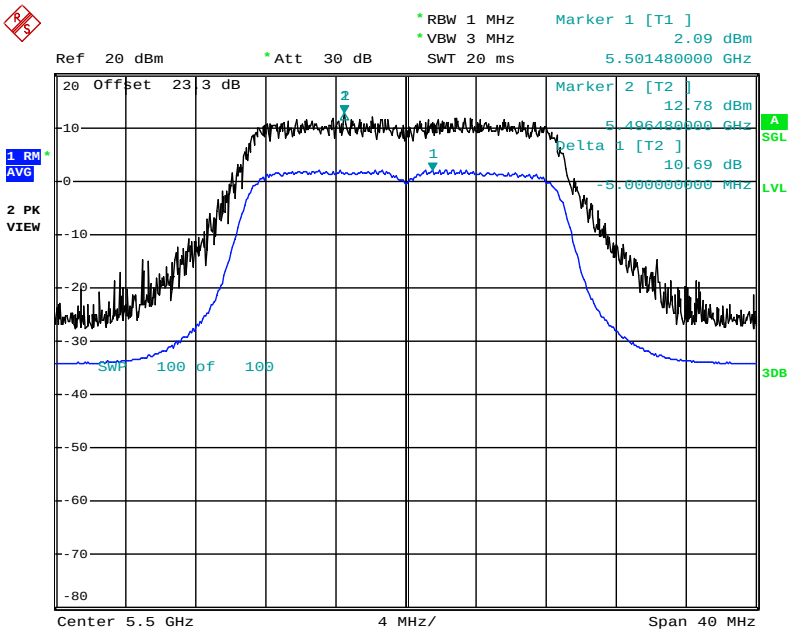
3TX

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



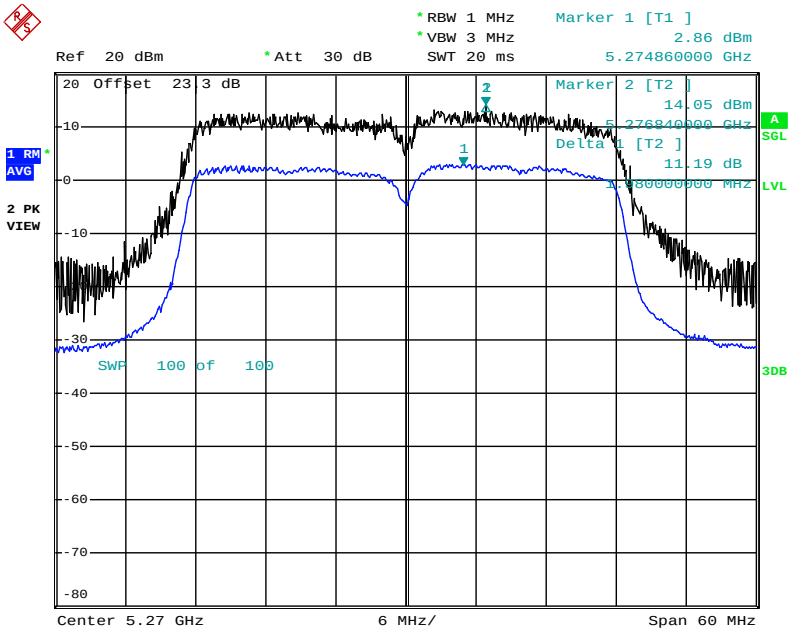
Date: 28.MAY.2013 00:22:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5500 MHz



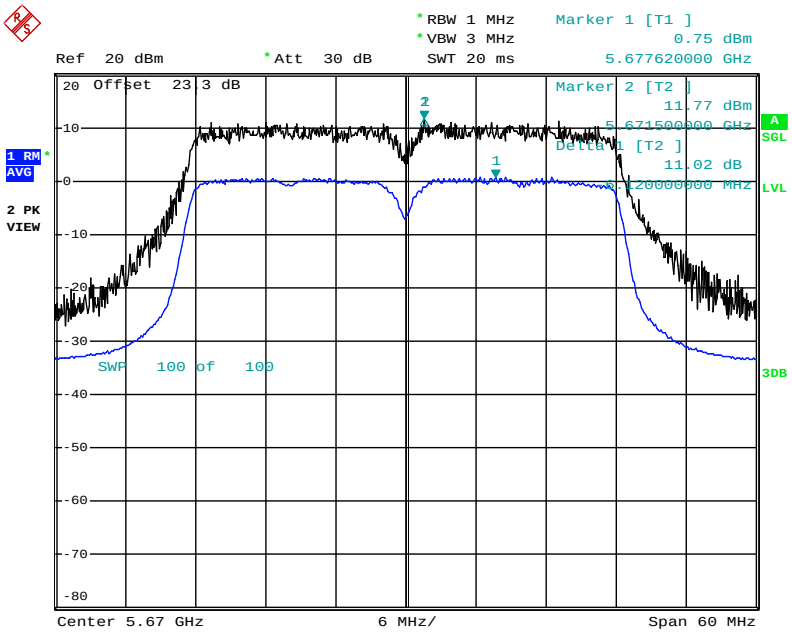
Date: 28.MAY.2013 00:47:33

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



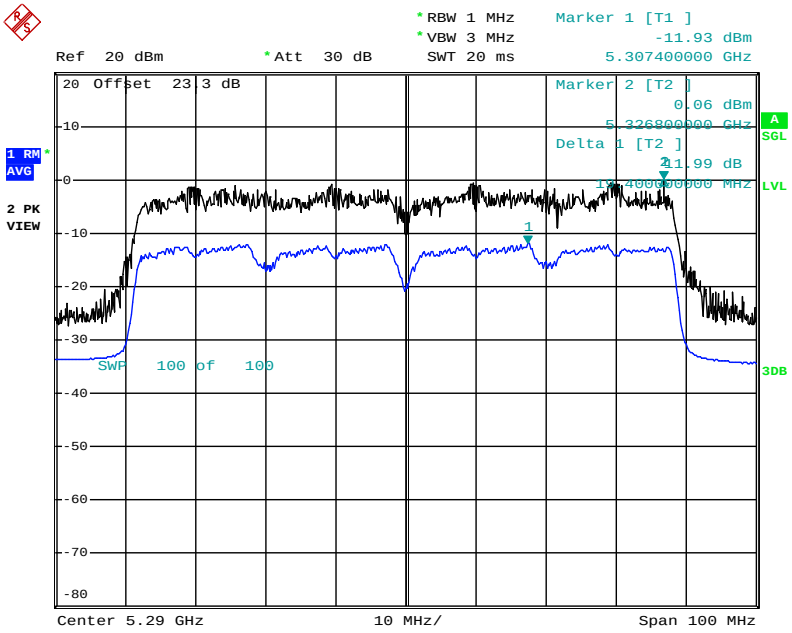
Date: 28.MAY.2013 01:09:57

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



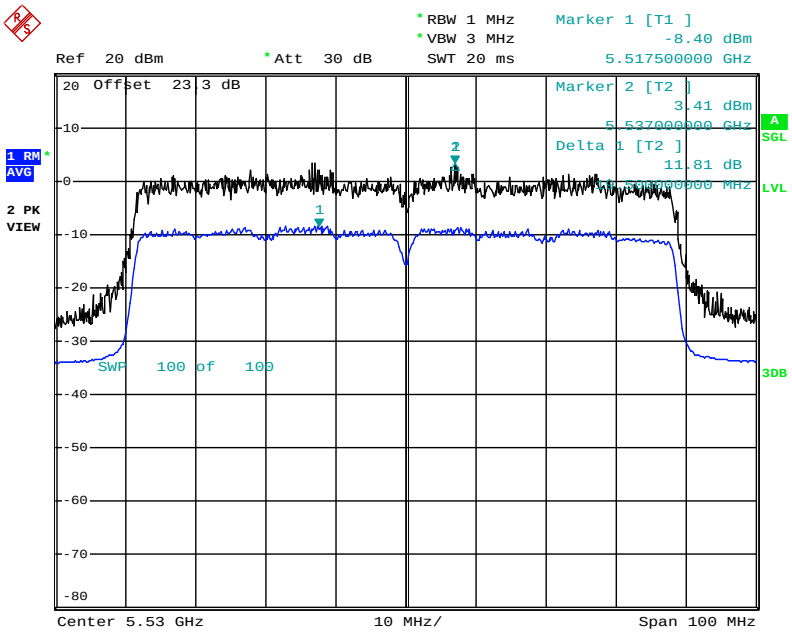
Date: 28.MAY.2013 00:58:00

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



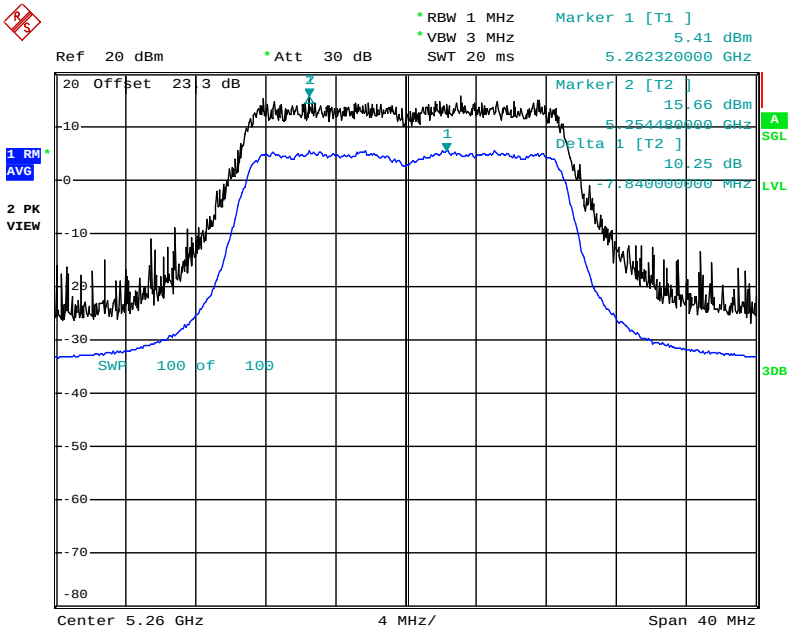
Date: 28.MAY.2013 01:15:50

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



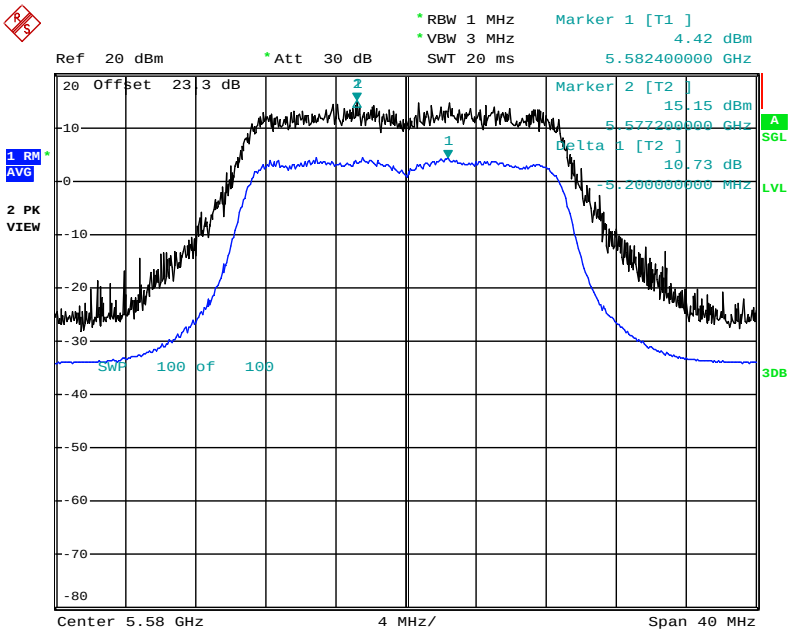
Date: 28.MAY.2013 01:38:58

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



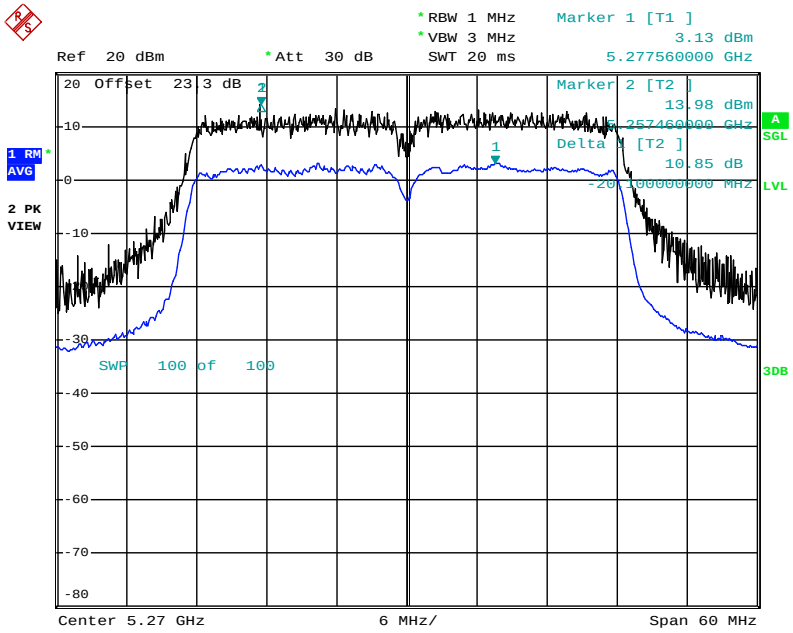
Date: 28.MAY.2013 08:16:39

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



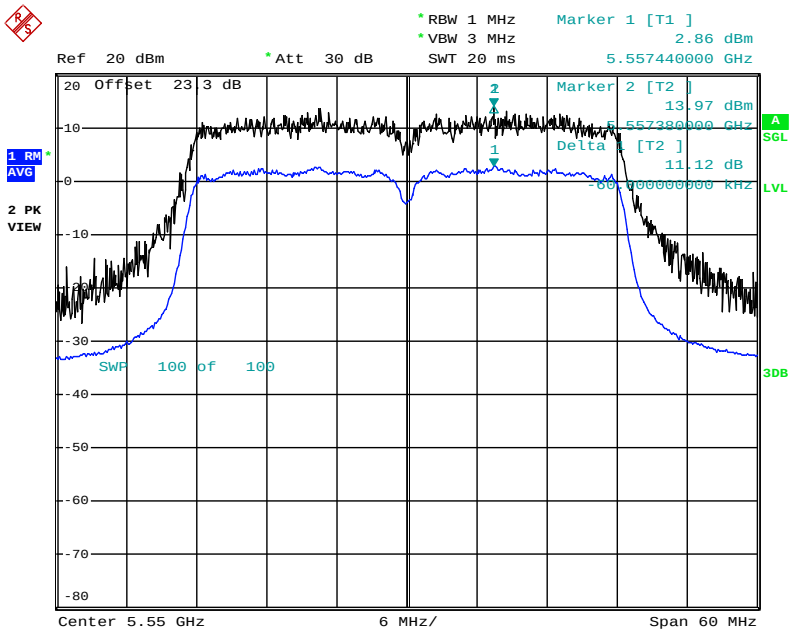
Date: 28.MAY.2013 08:22:40

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



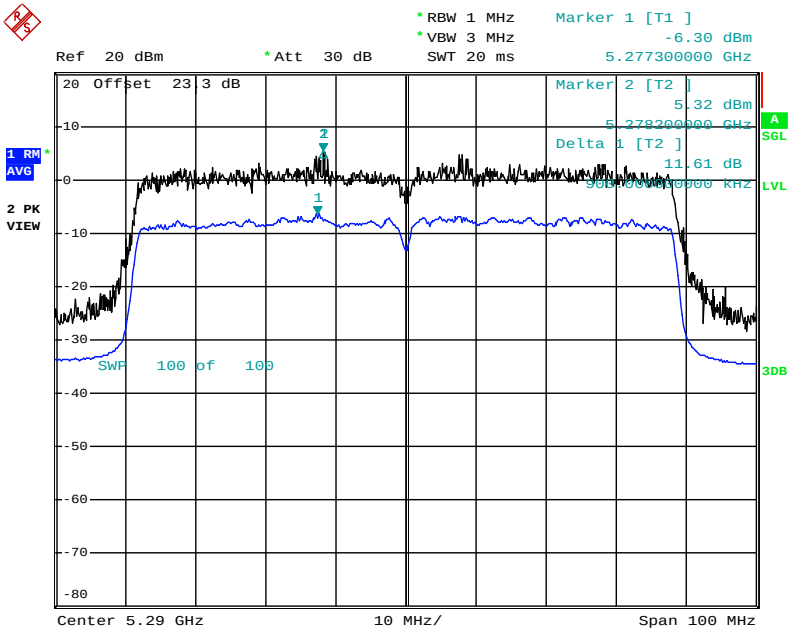
Date: 28.MAY.2013 11:00:06

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



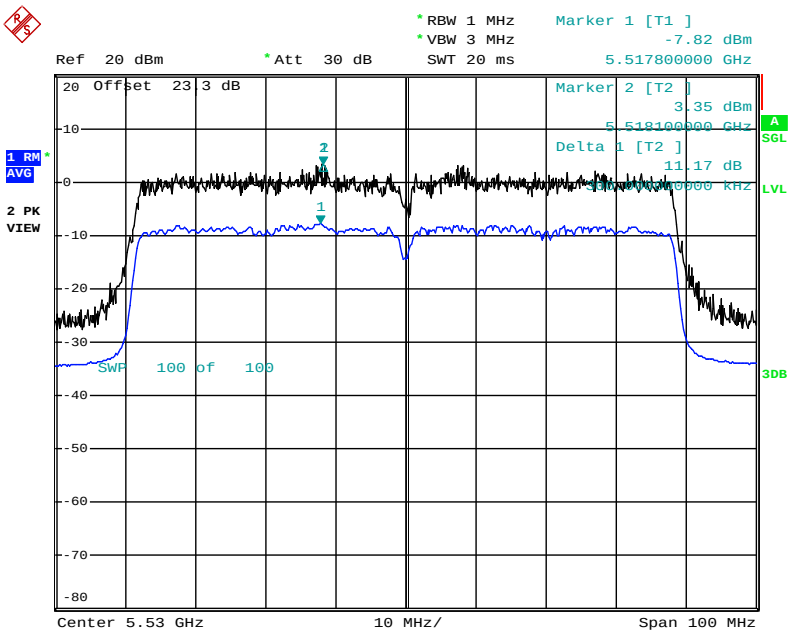
Date: 28.MAY.2013 08:41:30

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



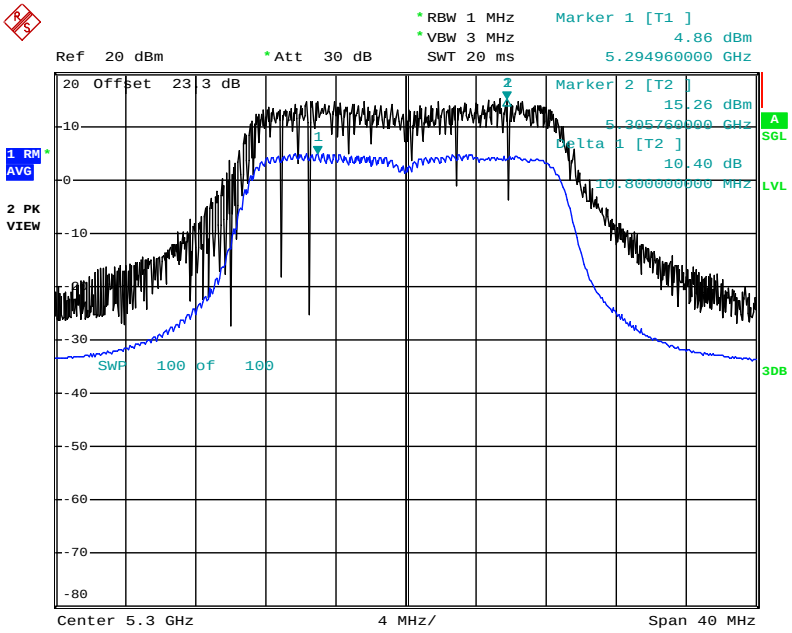
Date: 28.MAY.2013 11:38:12

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



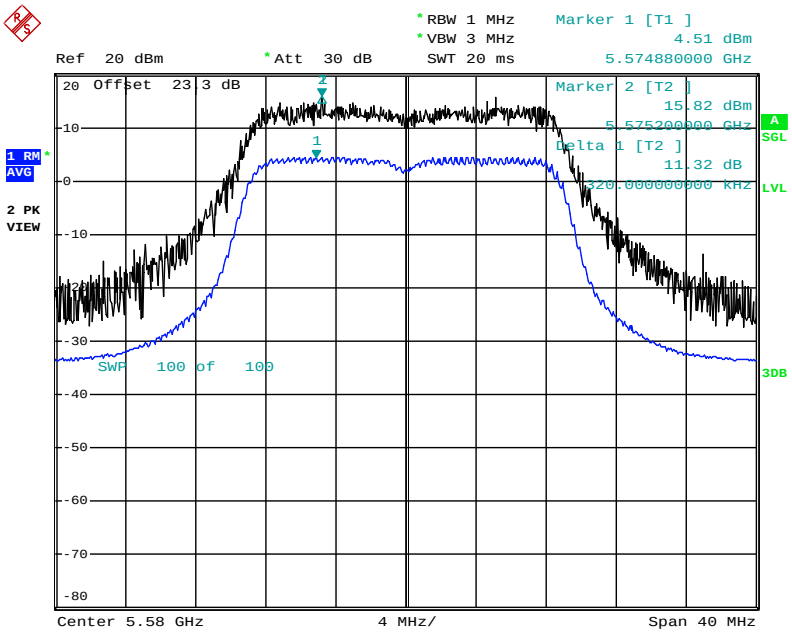
Date: 28.MAY.2013 12:00:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20/ Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5300 MHz



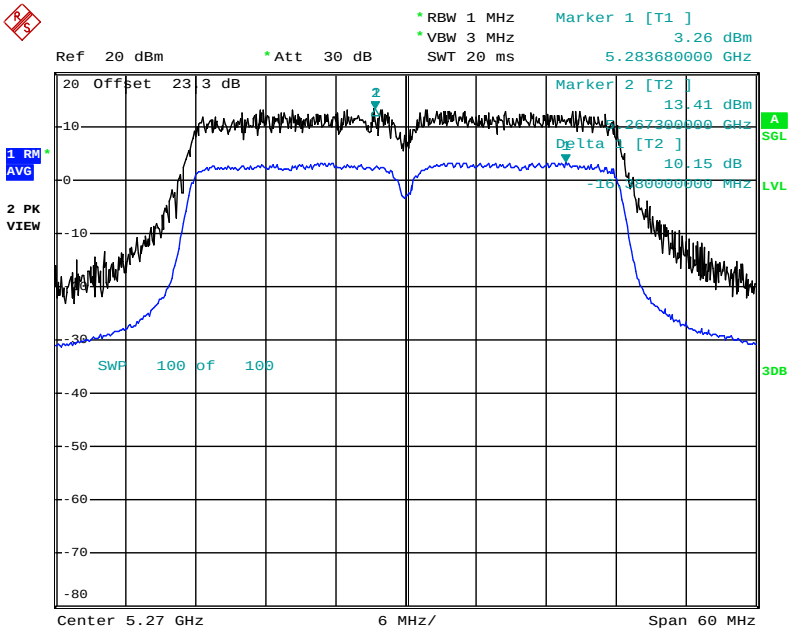
Date: 28.MAY.2013 12:44:54

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



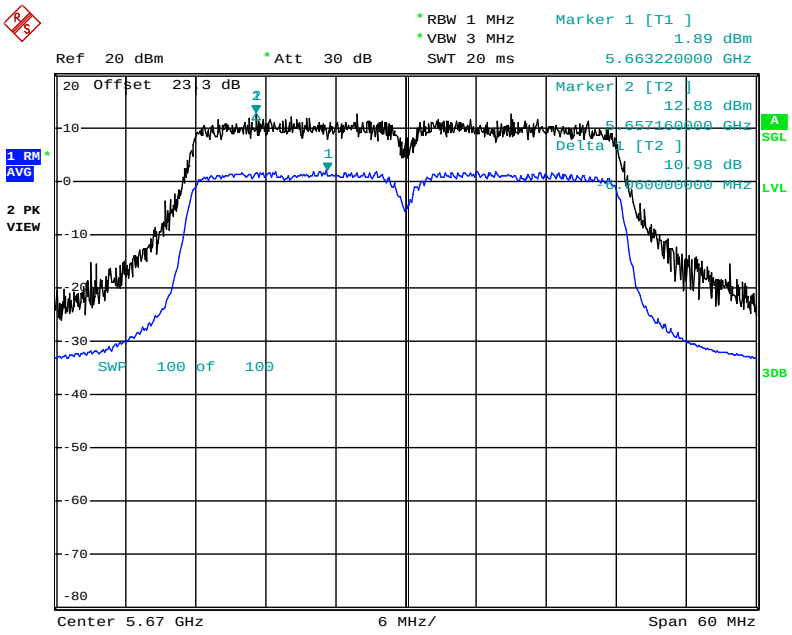
Date: 28.MAY.2013 12:55:09

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



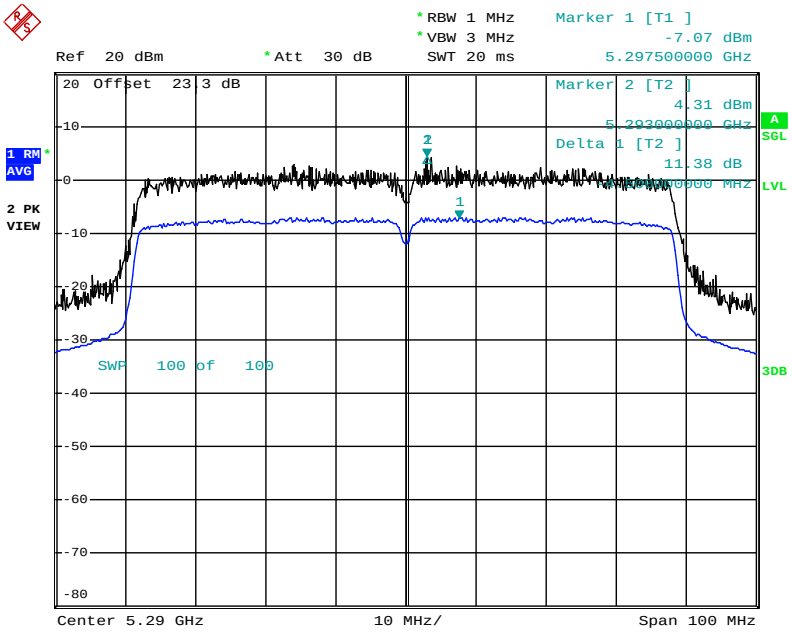
Date: 28.MAY.2013 13:13:57

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



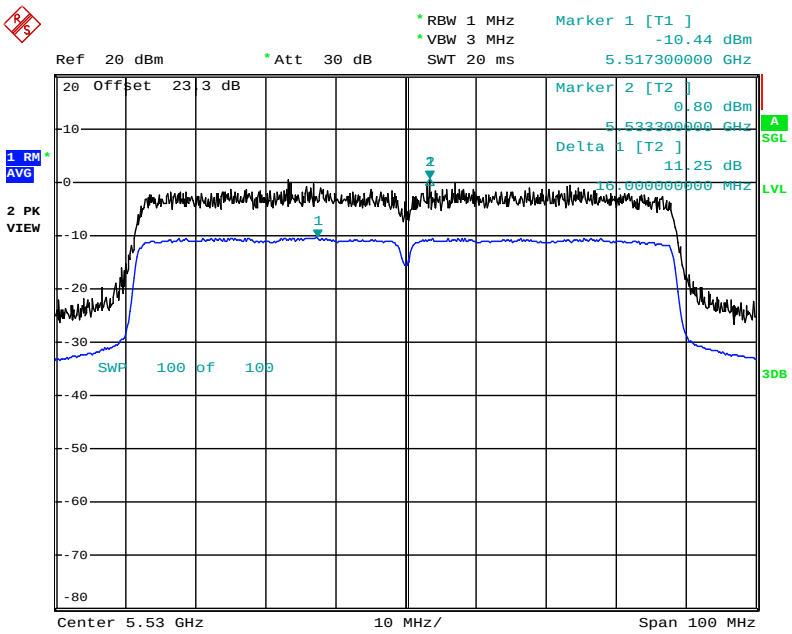
Date: 28.MAY.2013 13:02:31

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 13:56:05

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

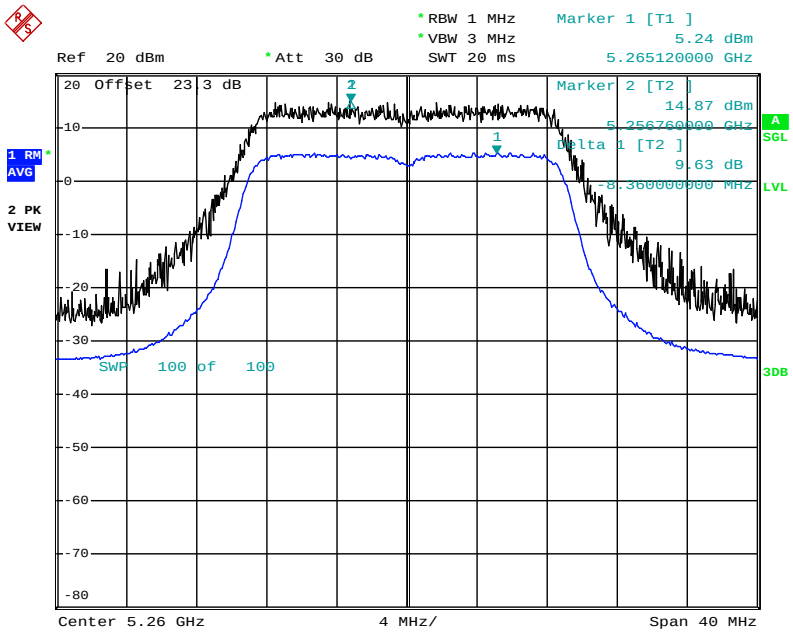


Date: 28.MAY.2013 14:19:42

Mode 2 (Ant.3 Panel antenna / 12.5dBi)

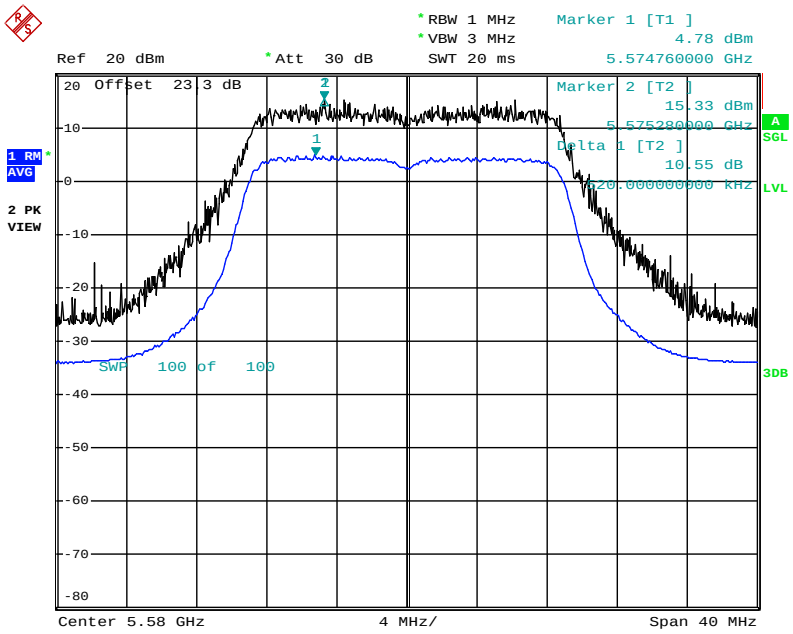
1TX

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



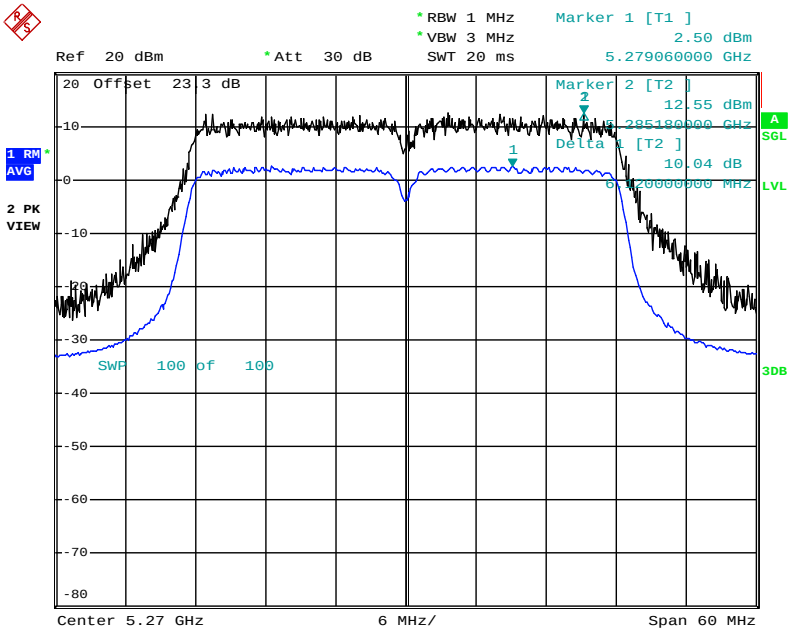
Date: 25.MAY.2013 06:28:41

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



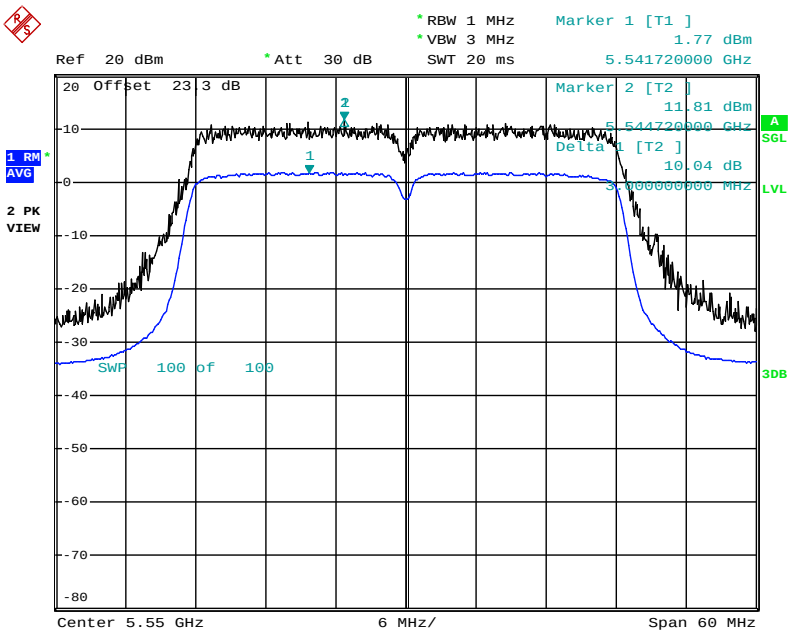
Date: 25.MAY.2013 06:49:10

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



Date: 25.MAY.2013 06:53:24

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



Date: 25.MAY.2013 06:51:08