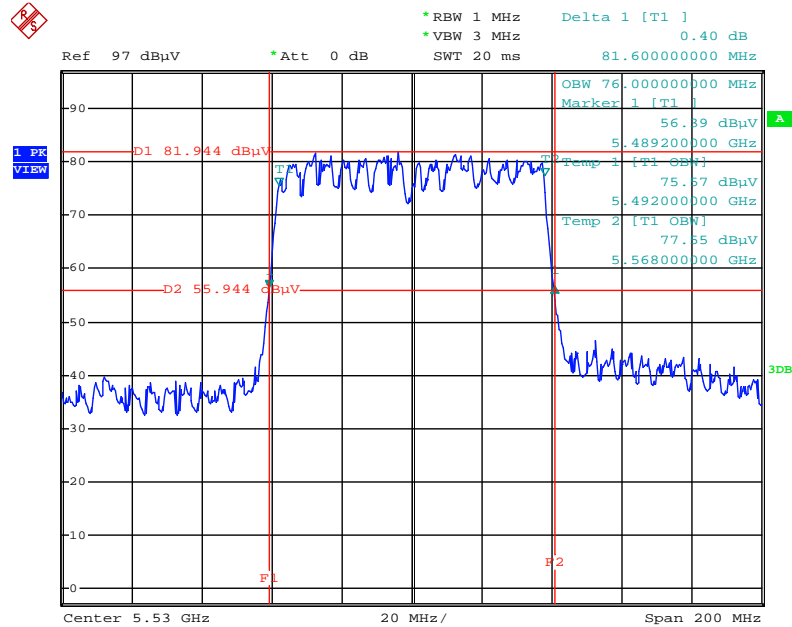
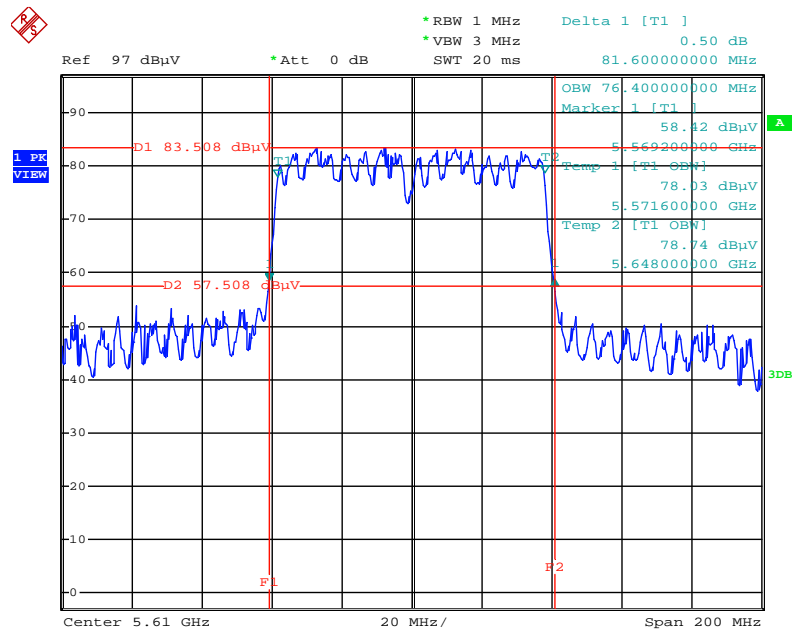


26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5530 MHz



Date: 26.JAN.2016 10:00:53

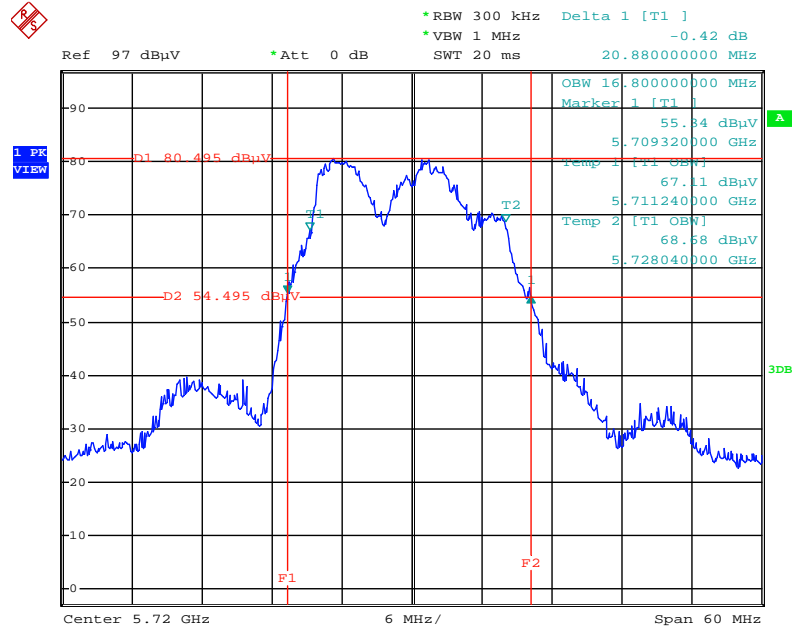
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz



Date: 26.JAN.2016 10:01:04

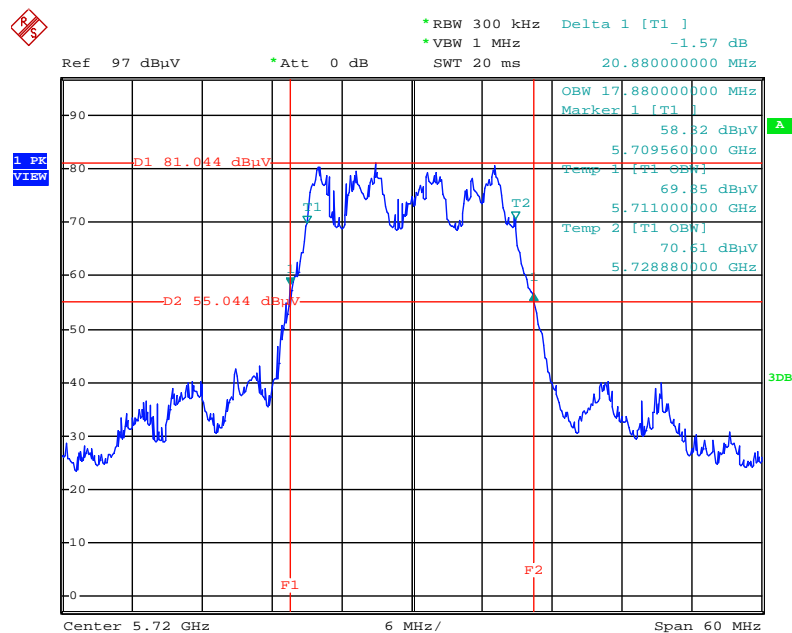
Straddle Channel

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
+ Chain 3 + Chain 4 / 5720 MHz



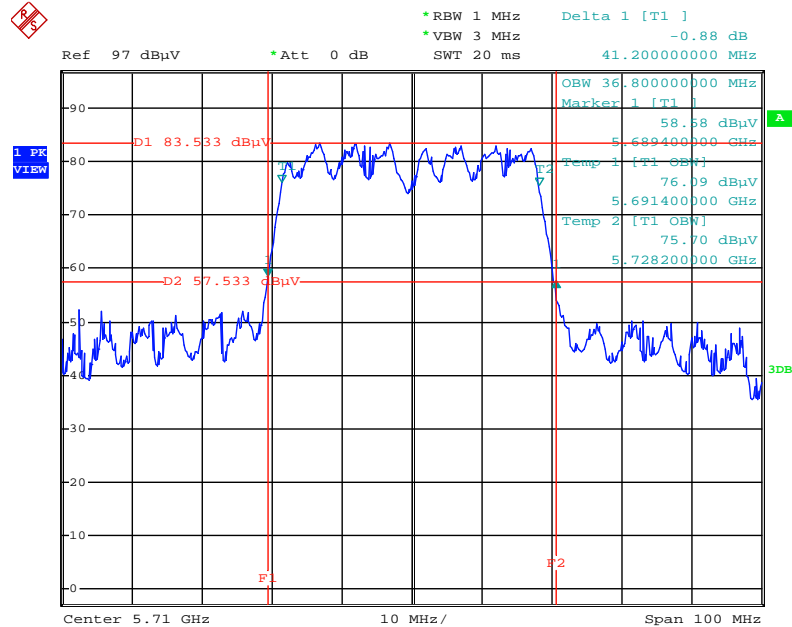
Date: 26.JAN.2016 16:30:04

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 /
Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



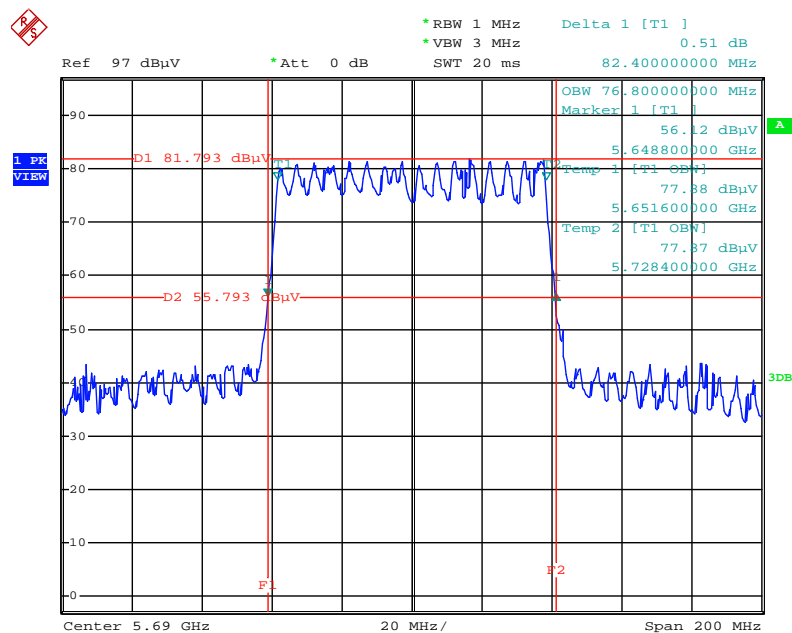
Date: 26.JAN.2016 16:30:50

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 26.JAN.2016 15:52:00

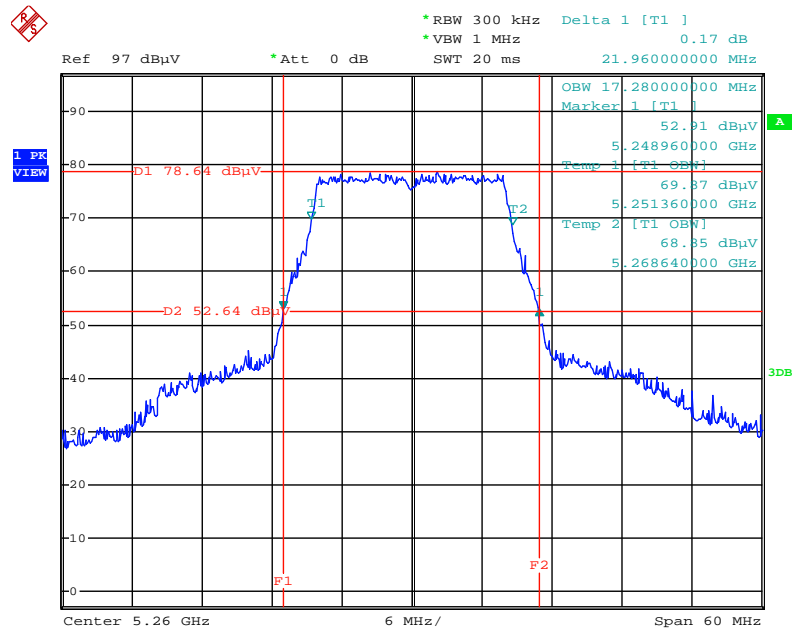
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 13:54:46

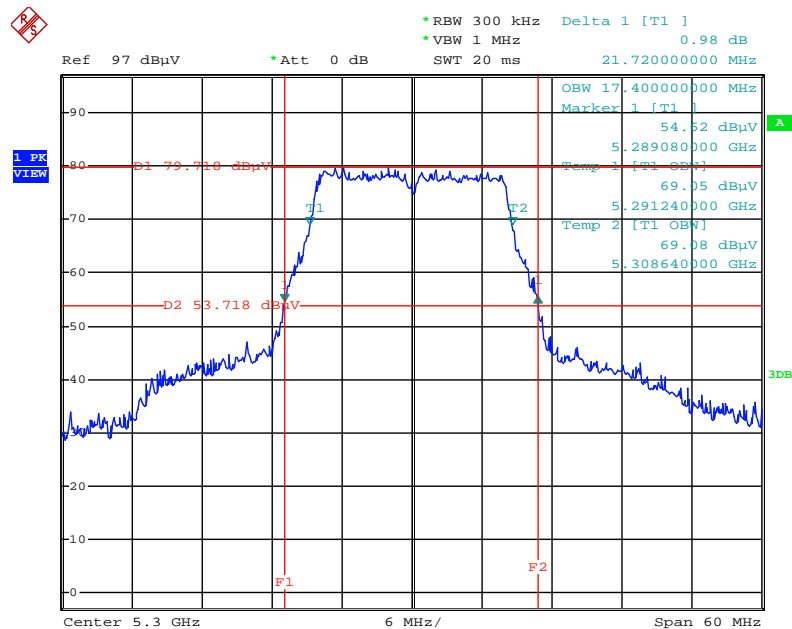
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5260 MHz



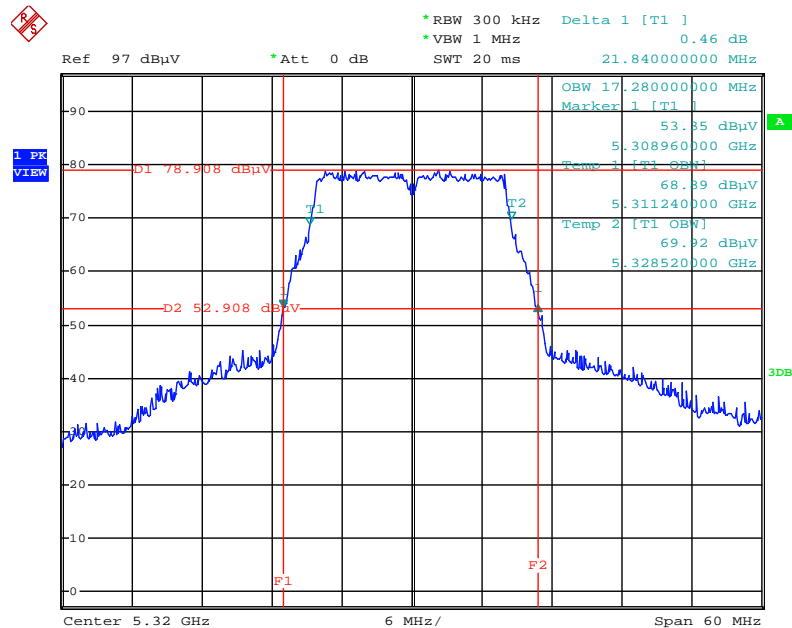
Date: 7.JAN.2016 17:14:28

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5300 MHz



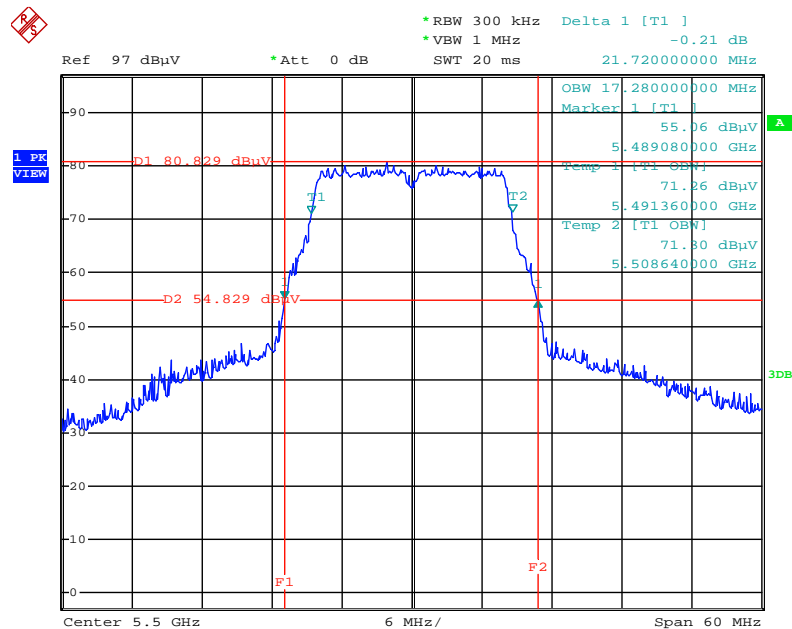
Date: 7.JAN.2016 17:23:50

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5320 MHz



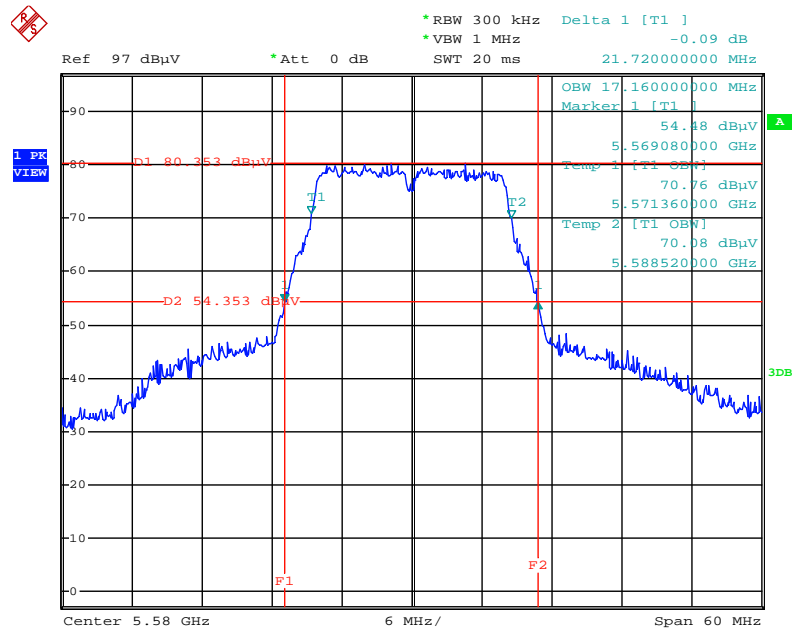
Date: 7.JAN.2016 17:25:08

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5500 MHz



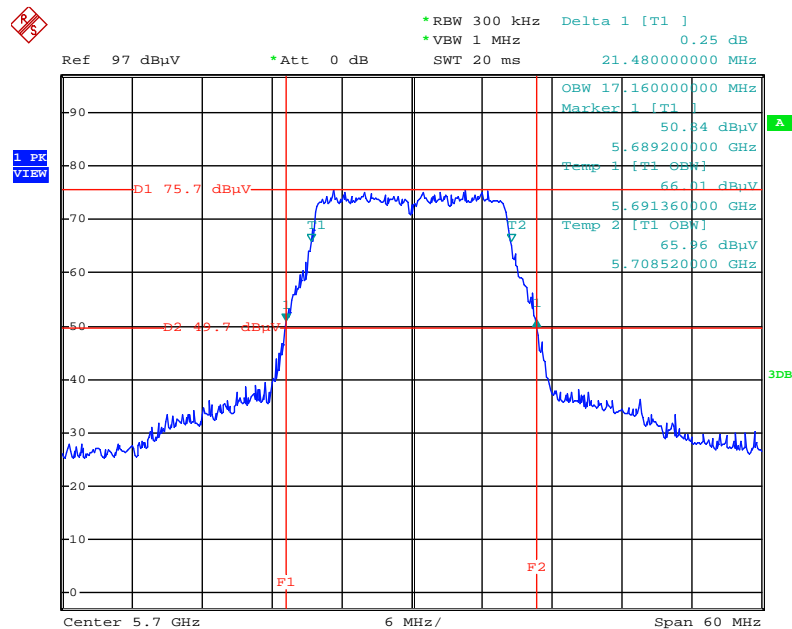
Date: 7.JAN.2016 17:27:21

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5580 MHz



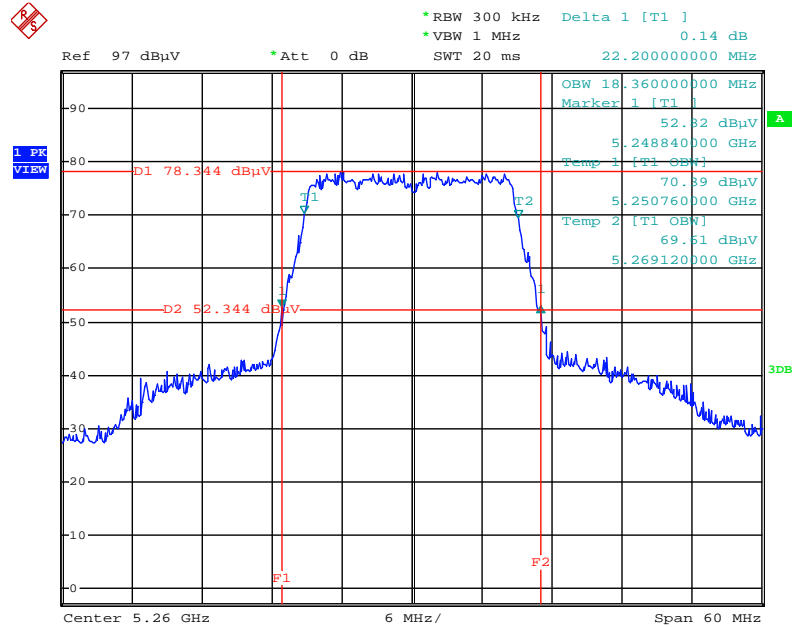
Date: 7.JAN.2016 17:28:48

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5700 MHz



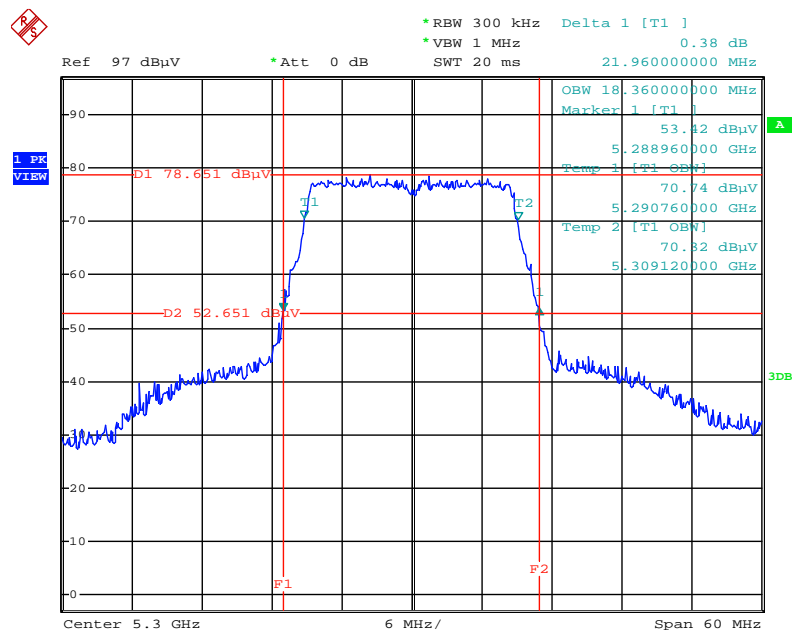
Date: 7.JAN.2016 17:30:03

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



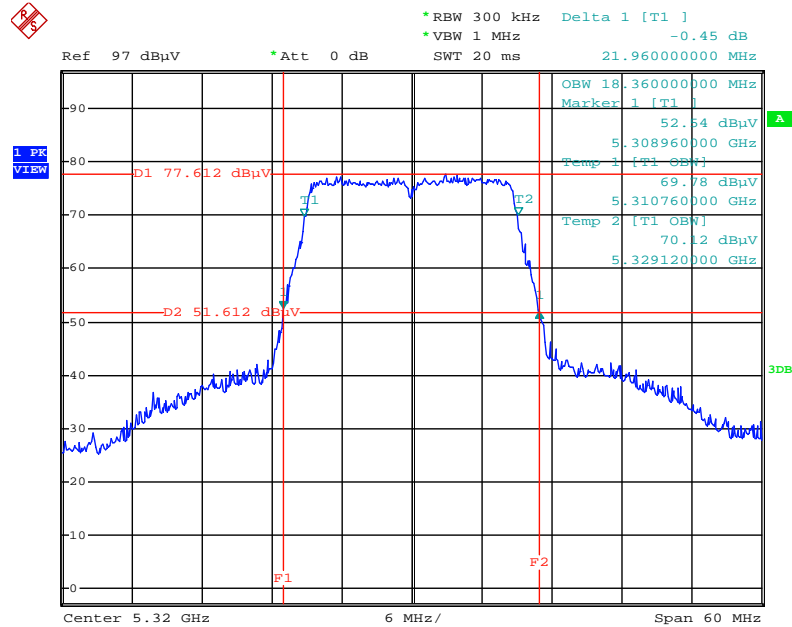
Date: 7.JAN.2016 17:31:55

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



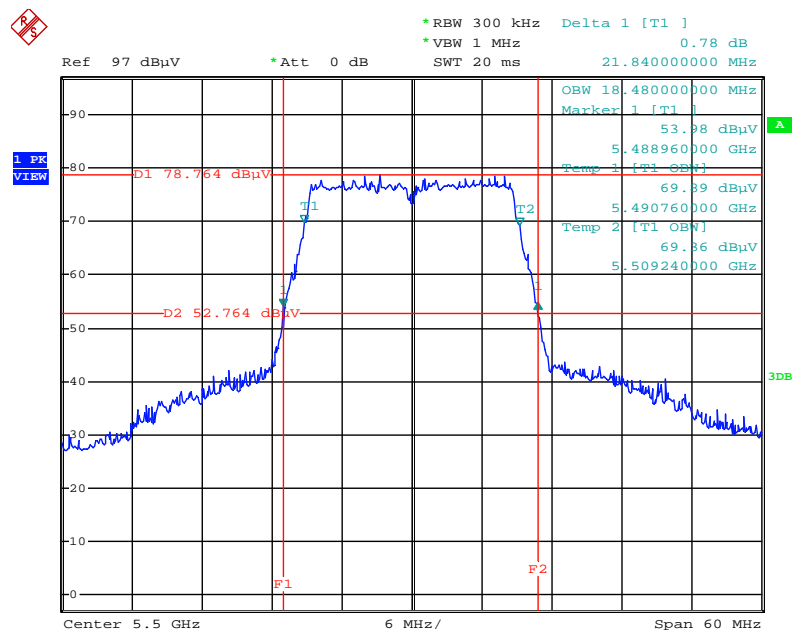
Date: 7.JAN.2016 17:34:21

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



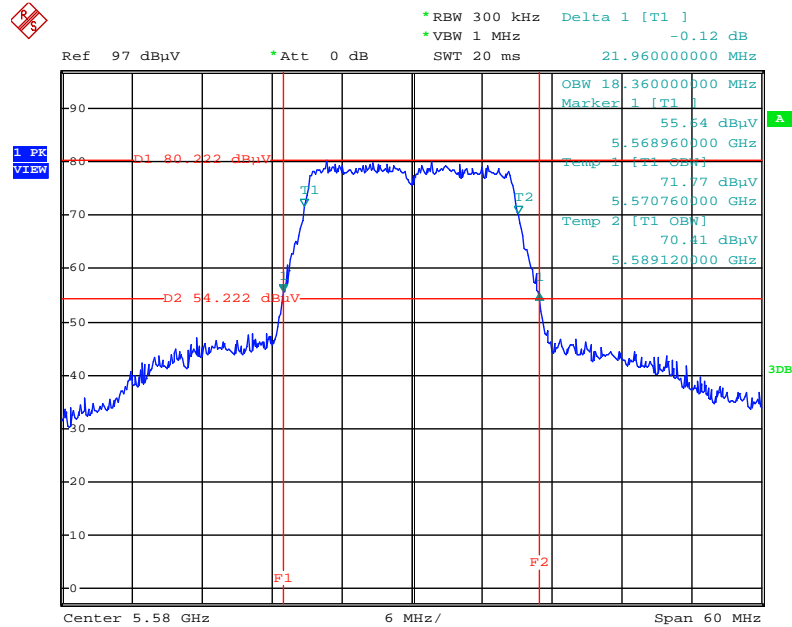
Date: 26.JAN.2016 12:43:42

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



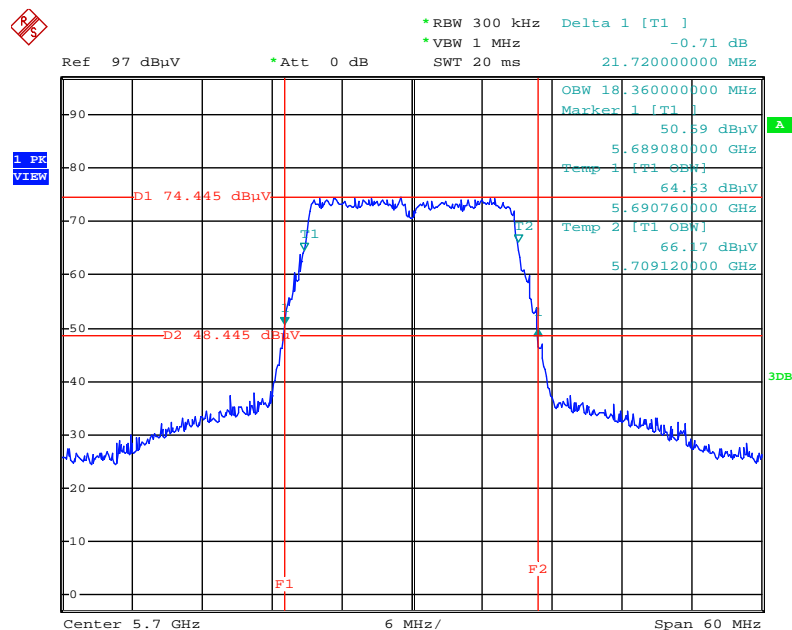
Date: 26.JAN.2016 12:44:27

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



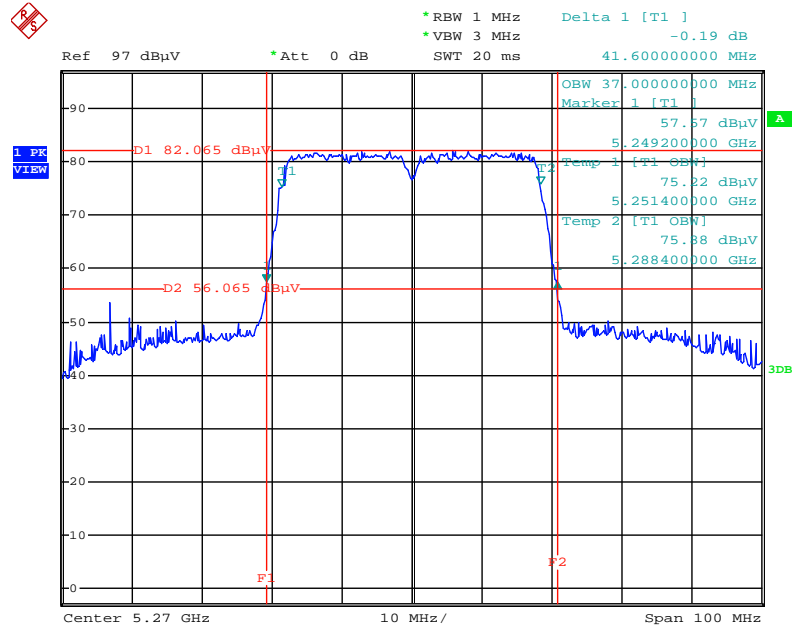
Date: 7.JAN.2016 17:38:25

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



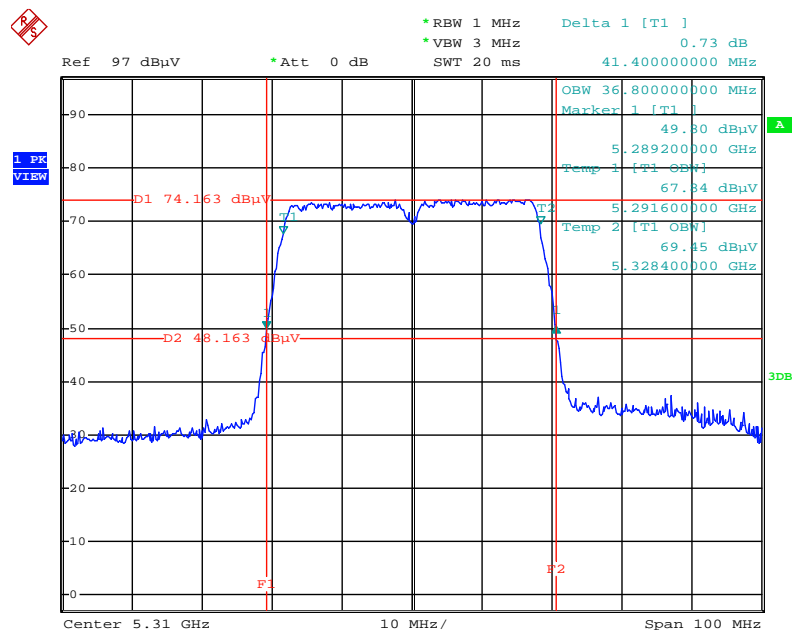
Date: 26.JAN.2016 12:44:56

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



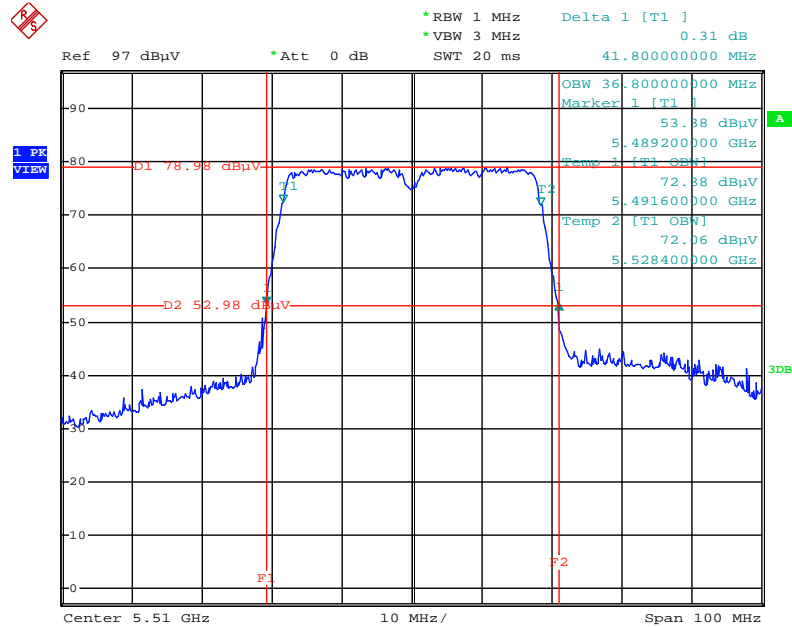
Date: 7.JAN.2016 17:41:27

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



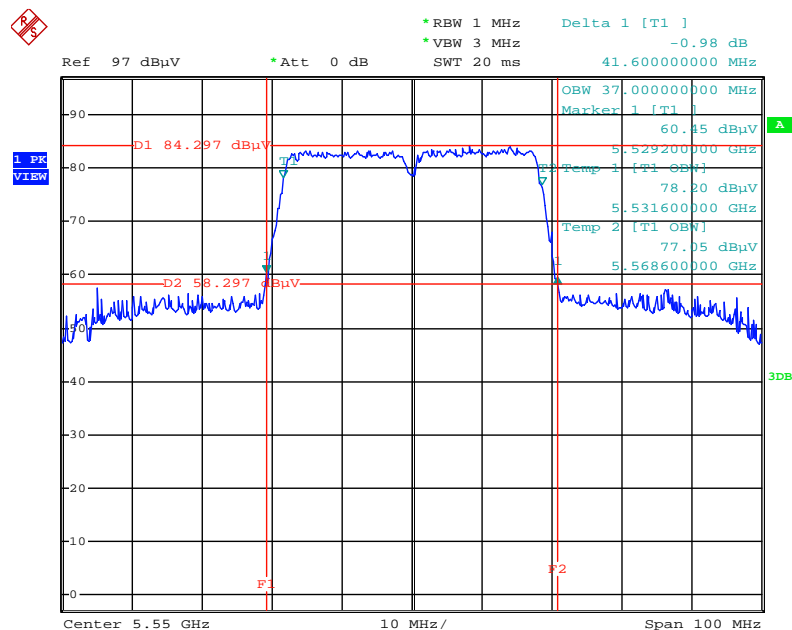
Date: 26.JAN.2016 12:54:57

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



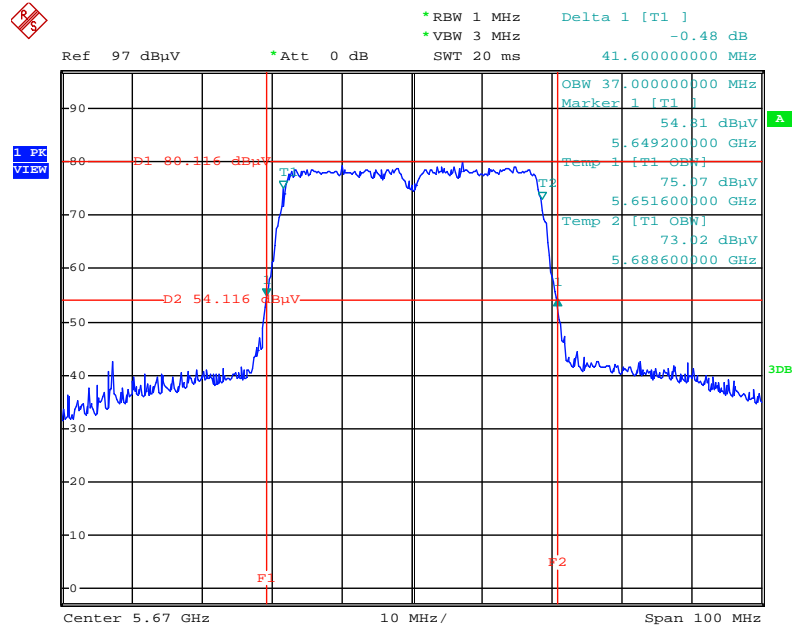
Date: 26.JAN.2016 12:55:30

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



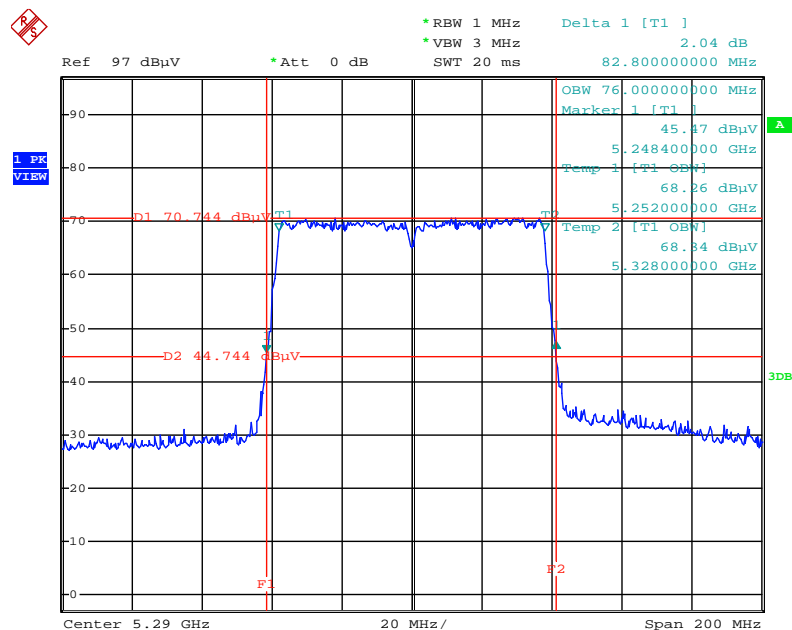
Date: 7.JAN.2016 17:45:14

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



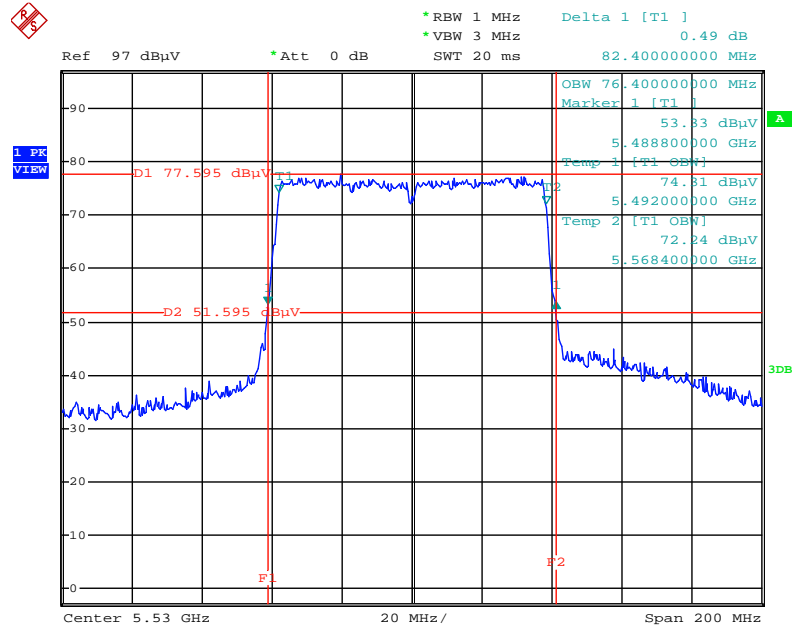
Date: 26.JAN.2016 12:55:55

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



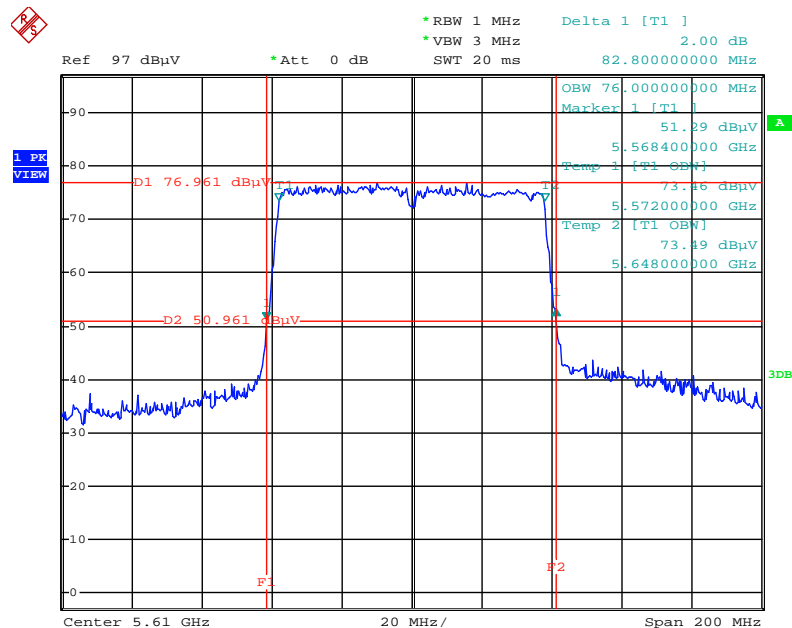
Date: 26.JAN.2016 12:58:14

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



Date: 7.JAN.2016 17:50:06

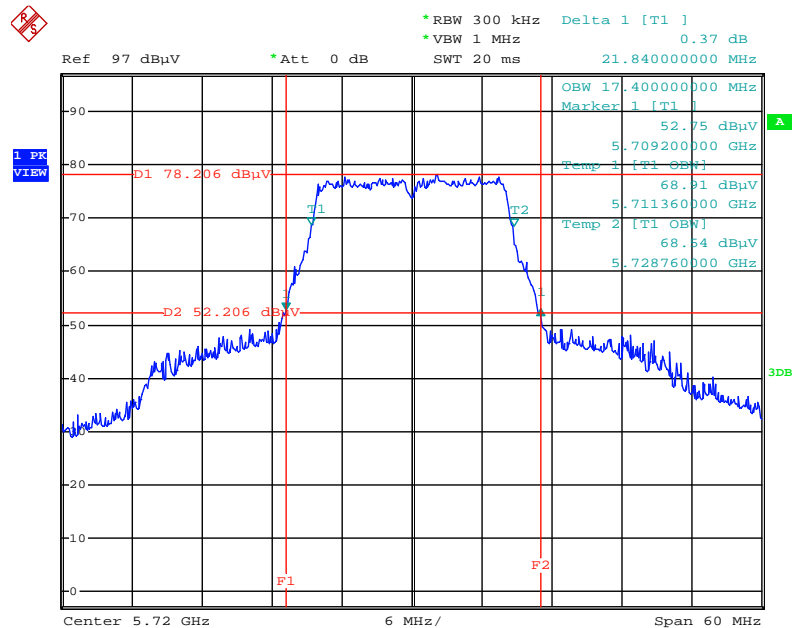
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5610 MHz



Date: 26.JAN.2016 12:58:32

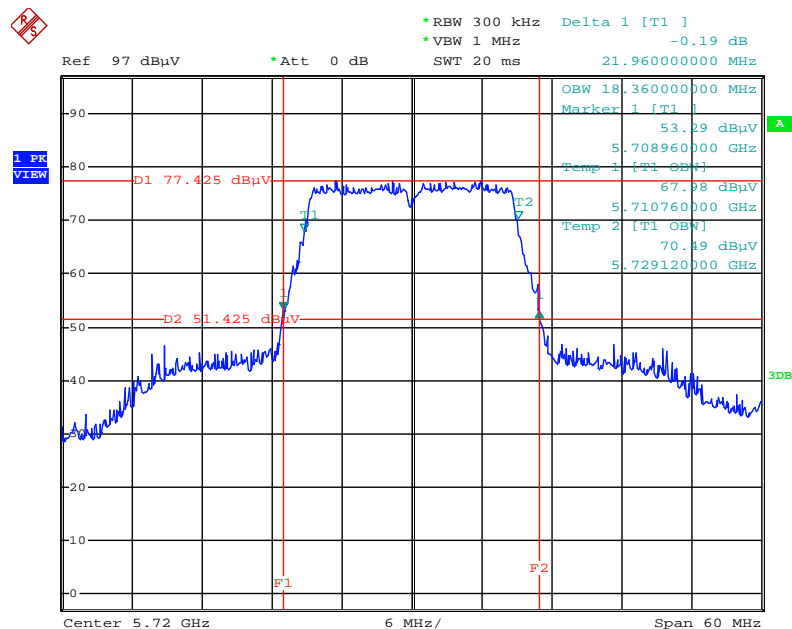
Straddle Channel

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



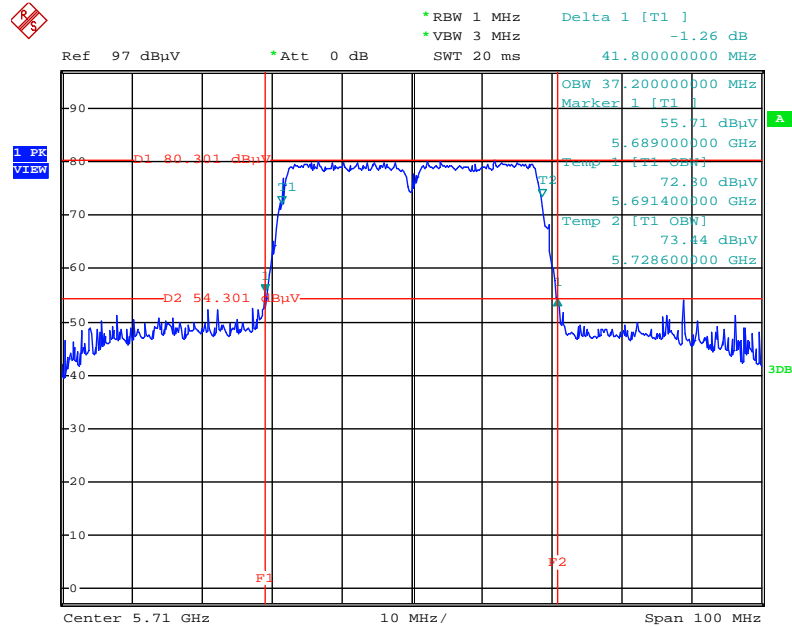
Date: 8.JAN.2016 09:40:00

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz



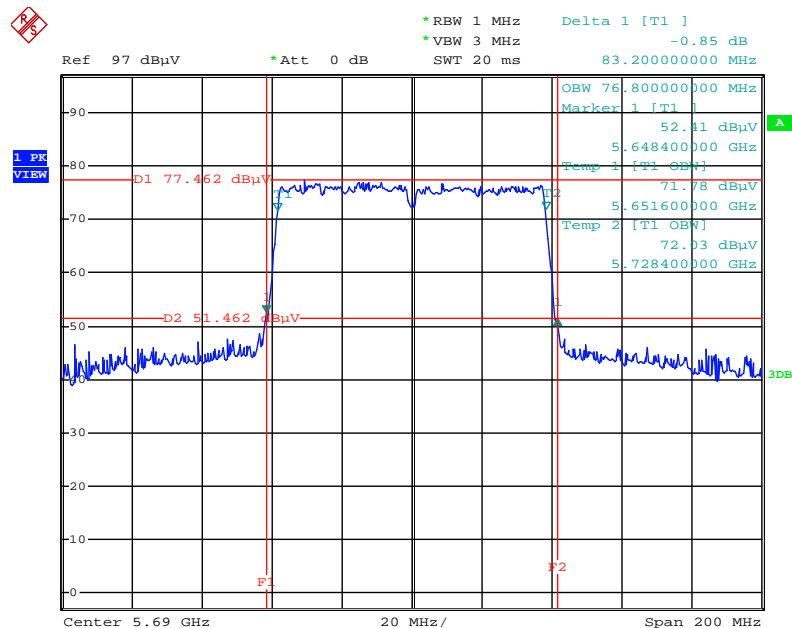
Date: 8.JAN.2016 09:43:02

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz



Date: 8.JAN.2016 09:44:11

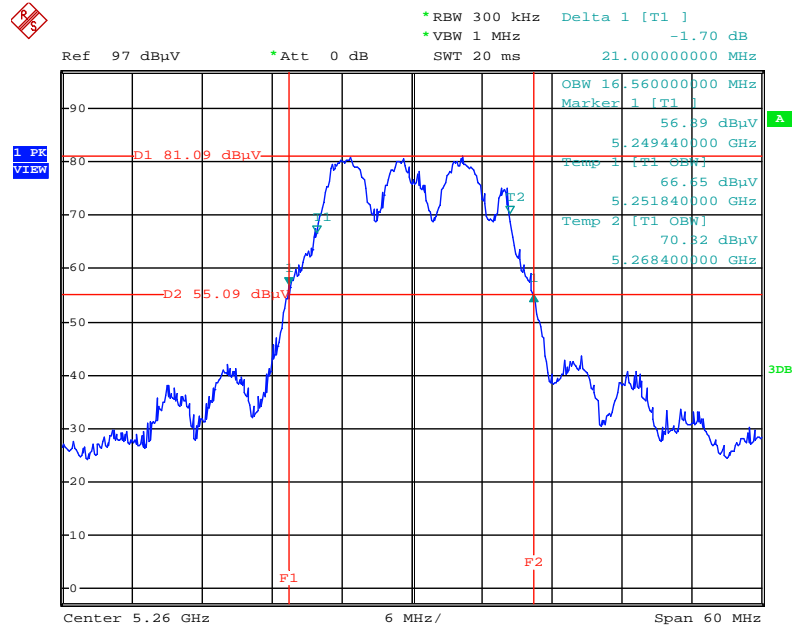
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



Date: 8.JAN.2016 09:44:59

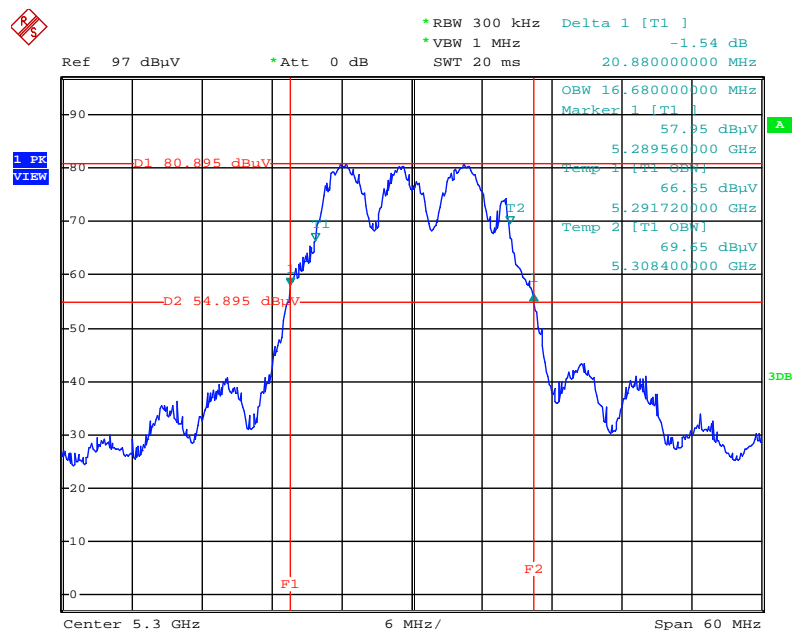
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
/ 5260 MHz



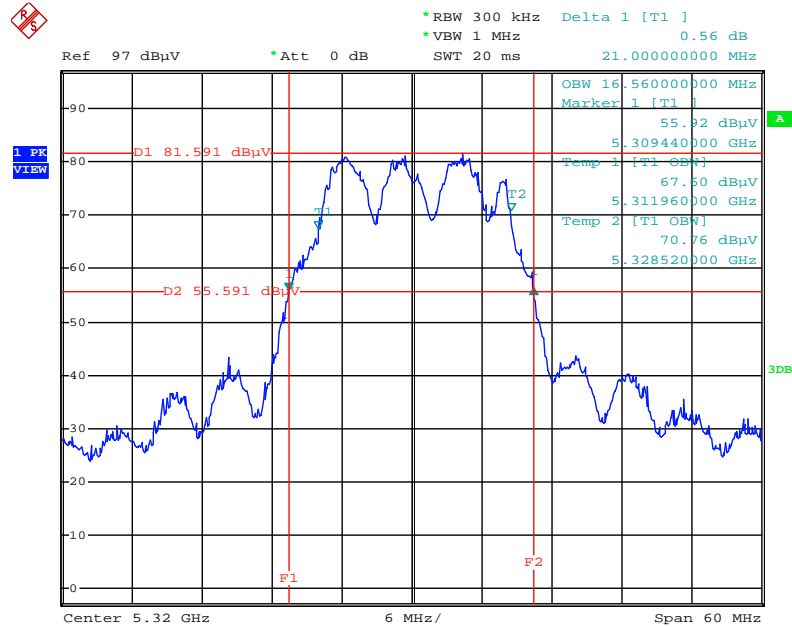
Date: 26.JAN.2016 13:21:39

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
/ 5300 MHz



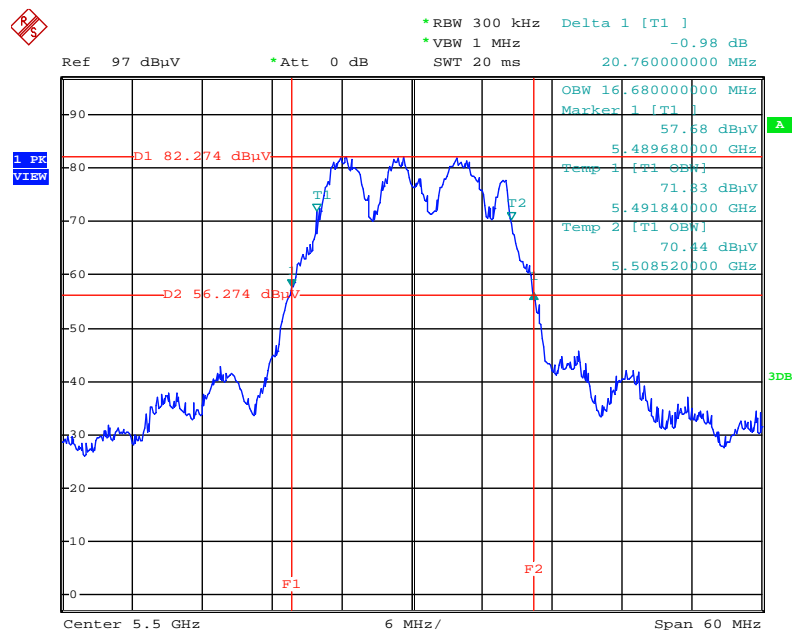
Date: 26.JAN.2016 13:22:04

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5320 MHz



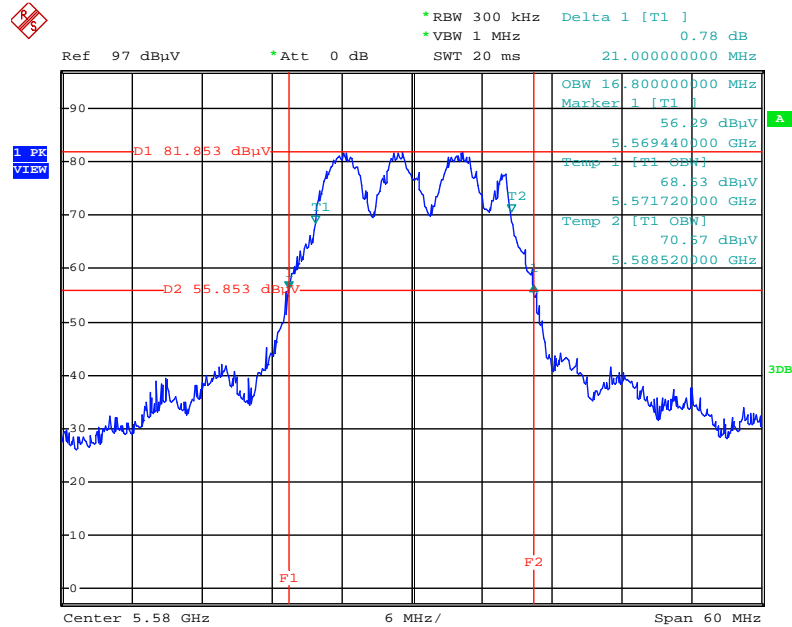
Date: 26.JAN.2016 13:22:29

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5500 MHz



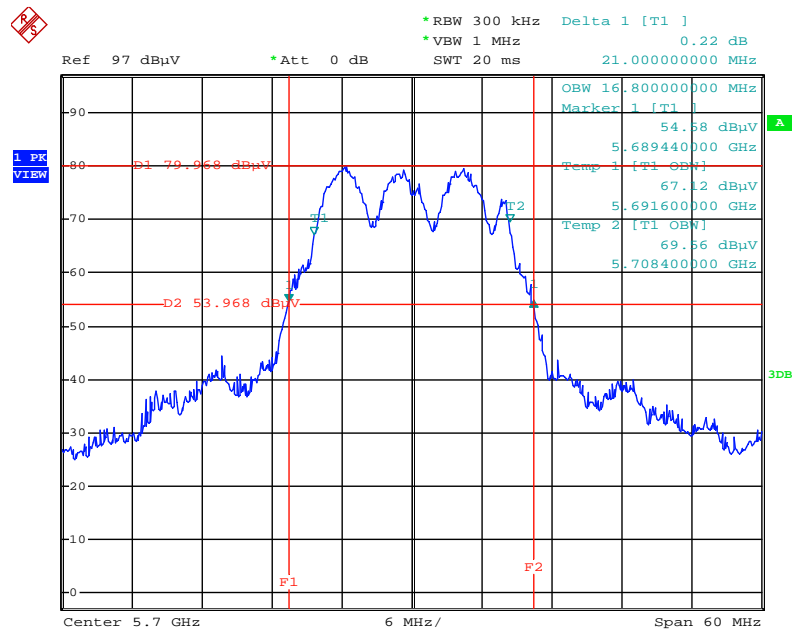
Date: 26.JAN.2016 13:22:51

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5580 MHz



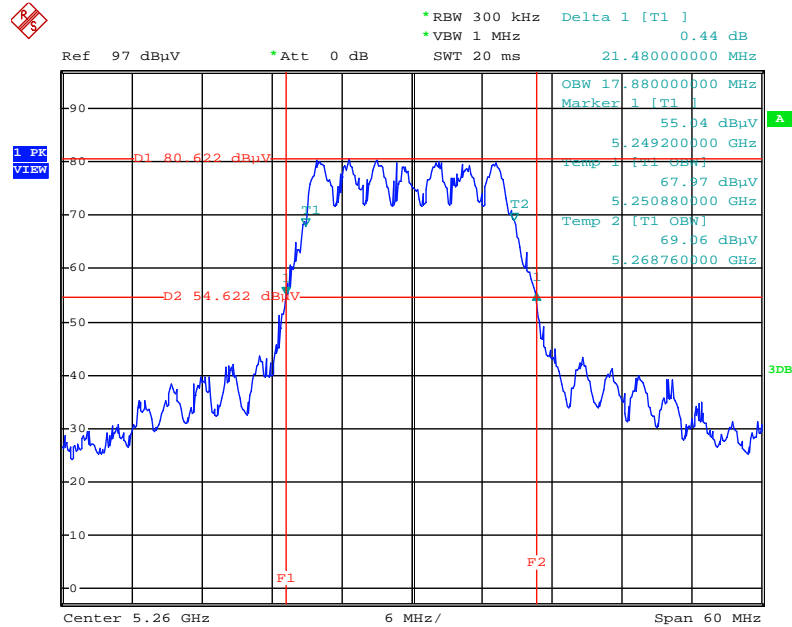
Date: 26.JAN.2016 13:23:10

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5700 MHz



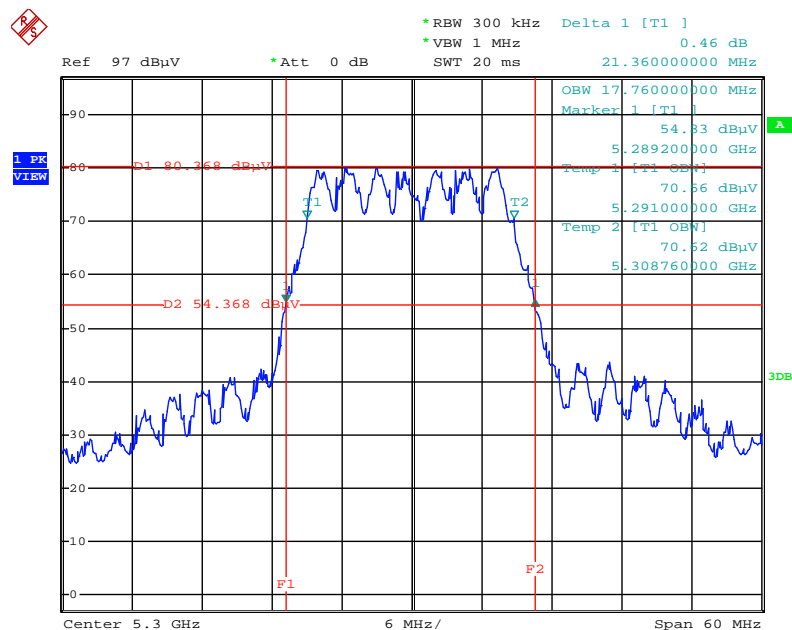
Date: 26.JAN.2016 13:23:34

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



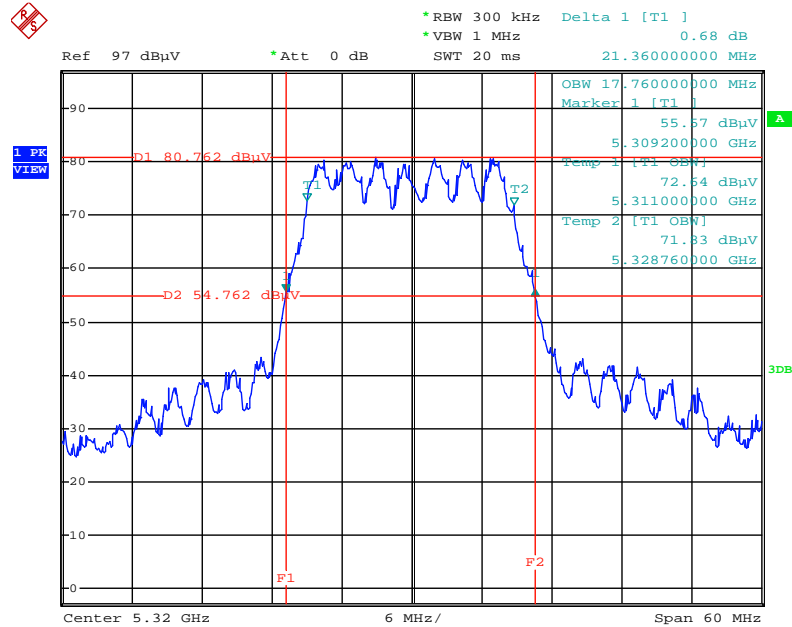
Date: 26.JAN.2016 13:24:35

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



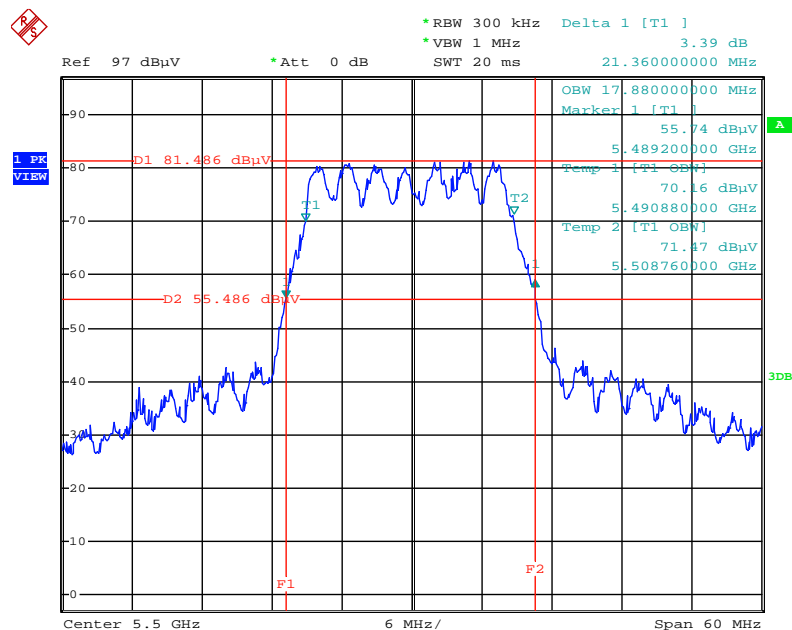
Date: 26.JAN.2016 13:24:58

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



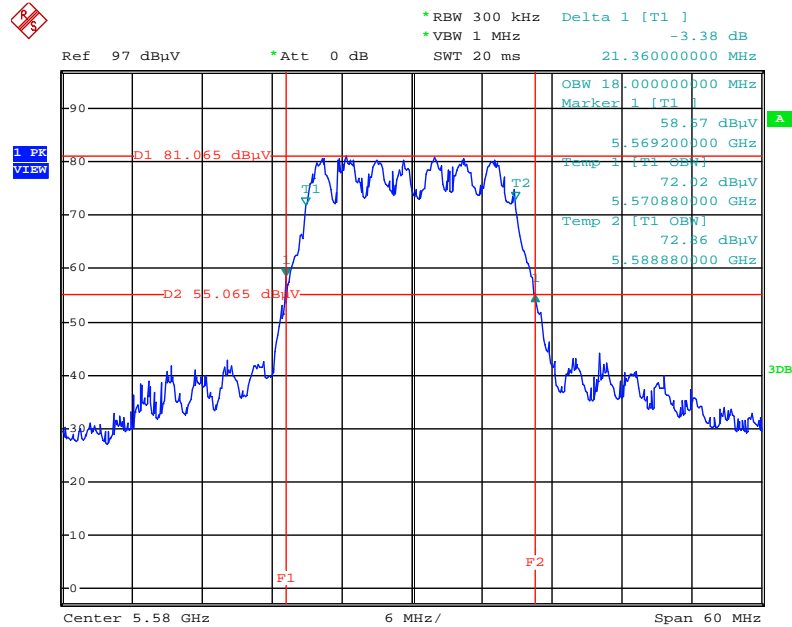
Date: 26.JAN.2016 13:25:22

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



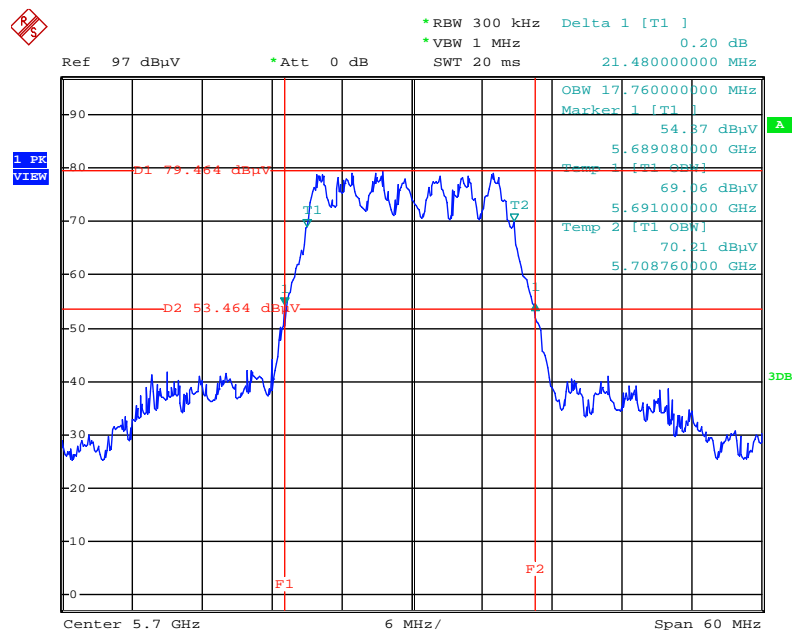
Date: 26.JAN.2016 13:25:36

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



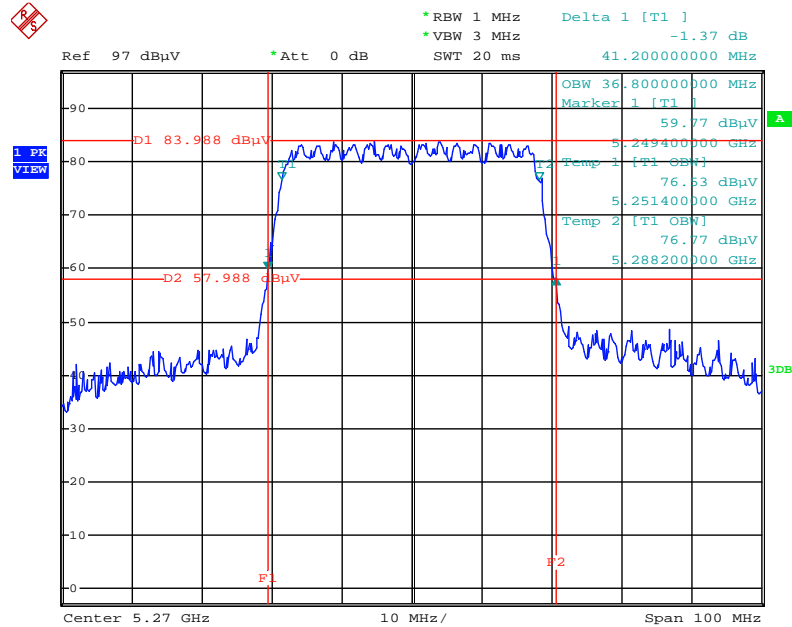
Date: 26.JAN.2016 13:25:52

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



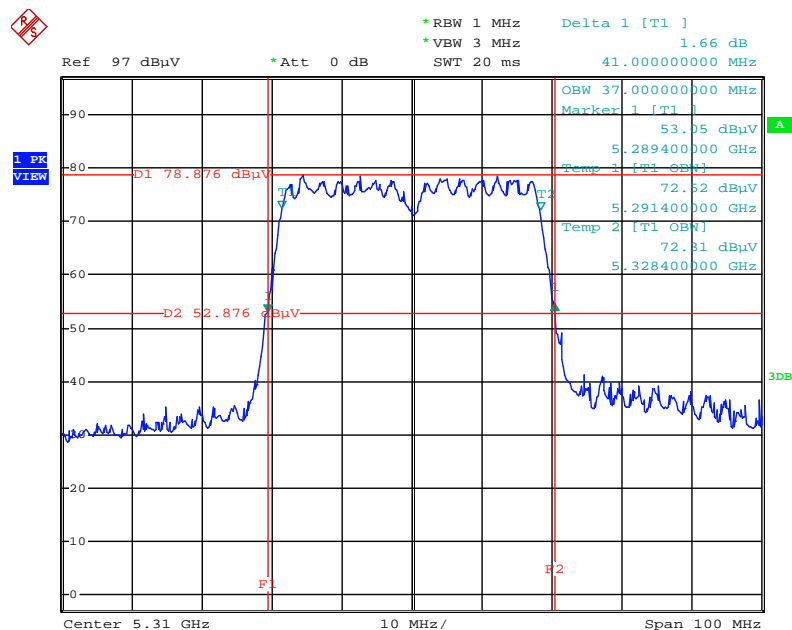
Date: 26.JAN.2016 13:26:24

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



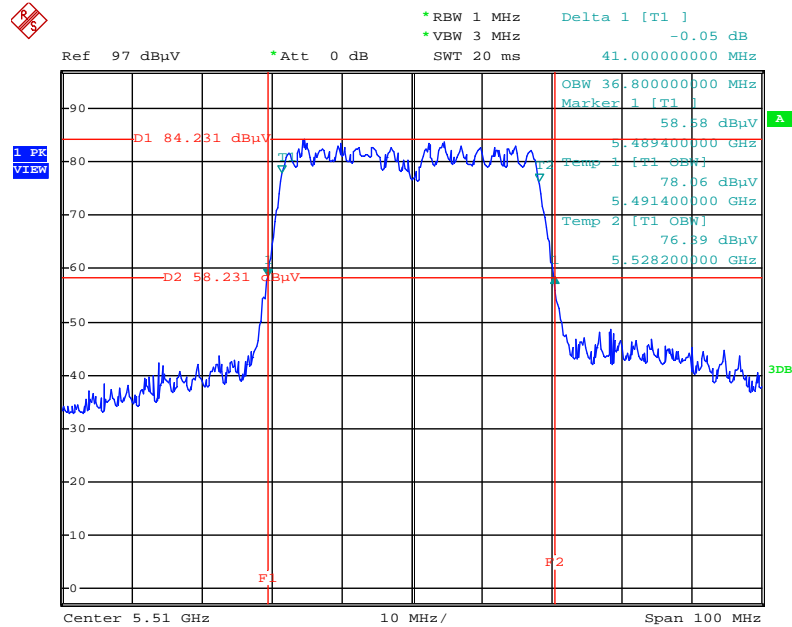
Date: 7.JAN.2016 18:22:57

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



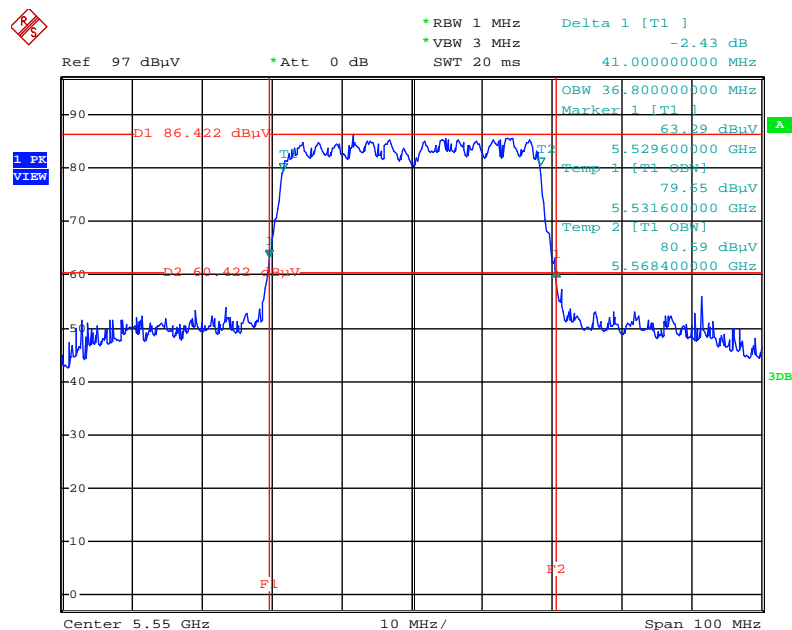
Date: 26.JAN.2016 13:27:22

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



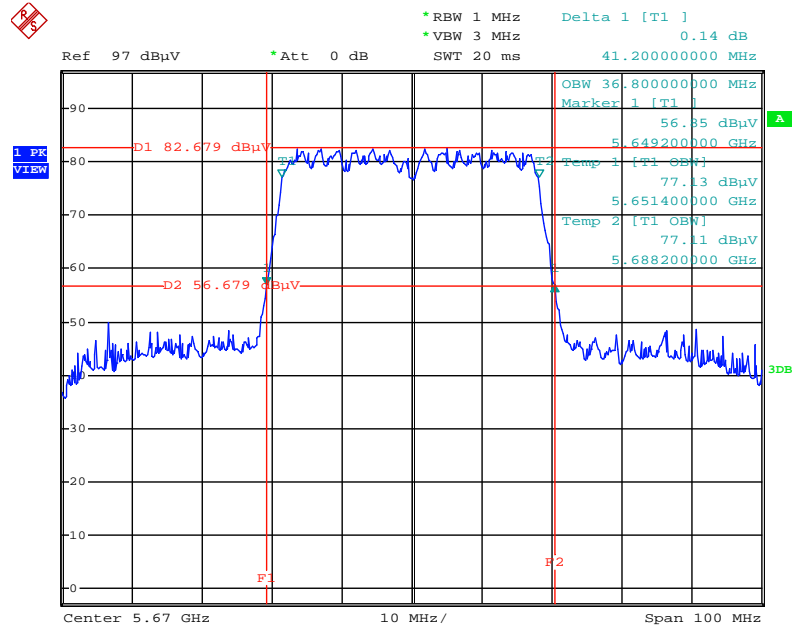
Date: 26.JAN.2016 13:13:47

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



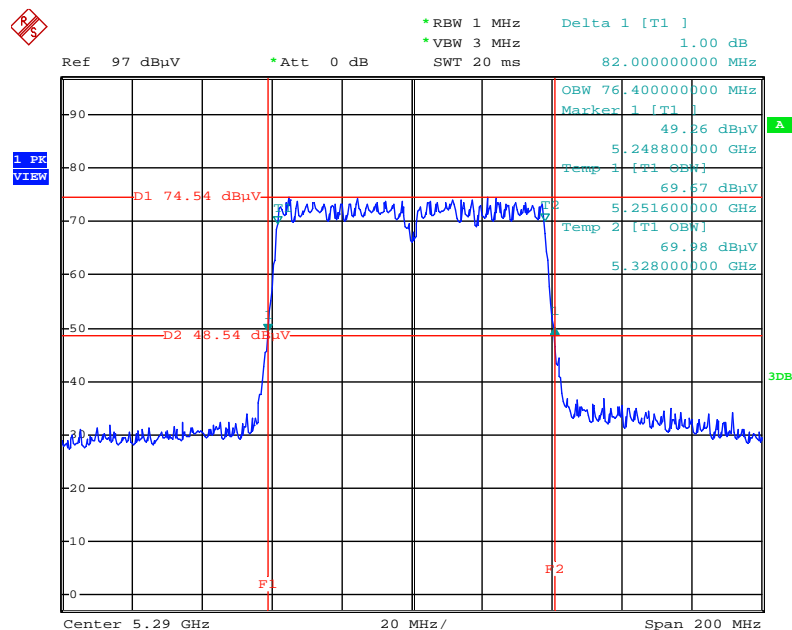
Date: 7.JAN.2016 18:26:23

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



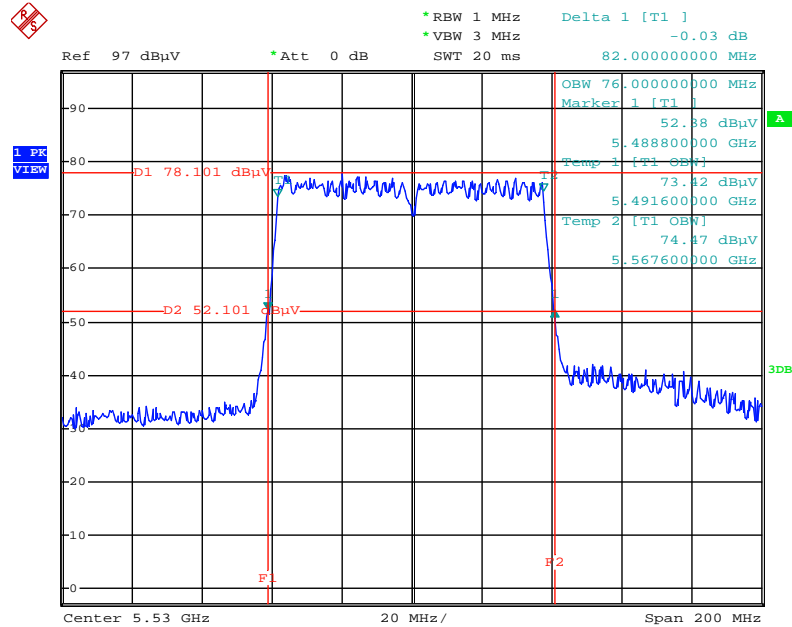
Date: 7.JAN.2016 18:27:19

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



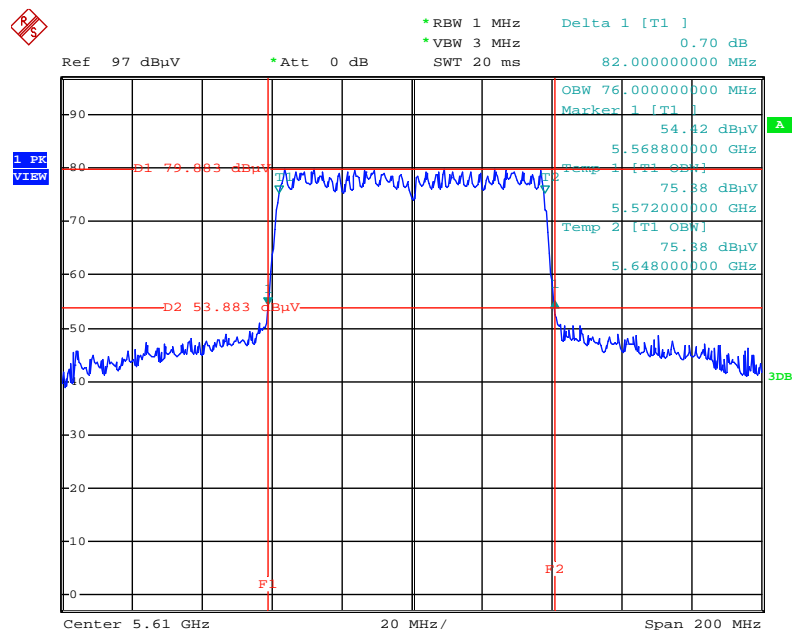
Date: 26.JAN.2016 13:29:25

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



Date: 26.JAN.2016 13:29:48

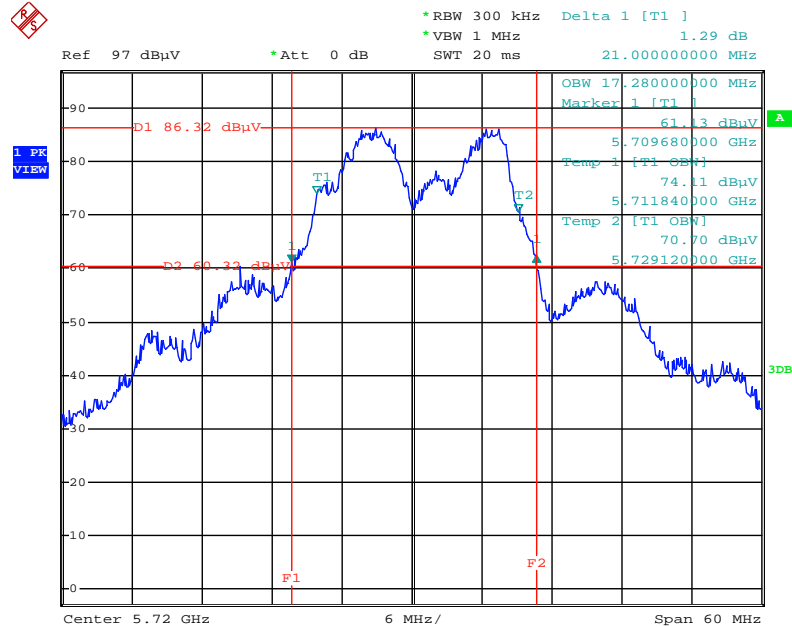
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz



Date: 25.JAN.2016 16:33:32

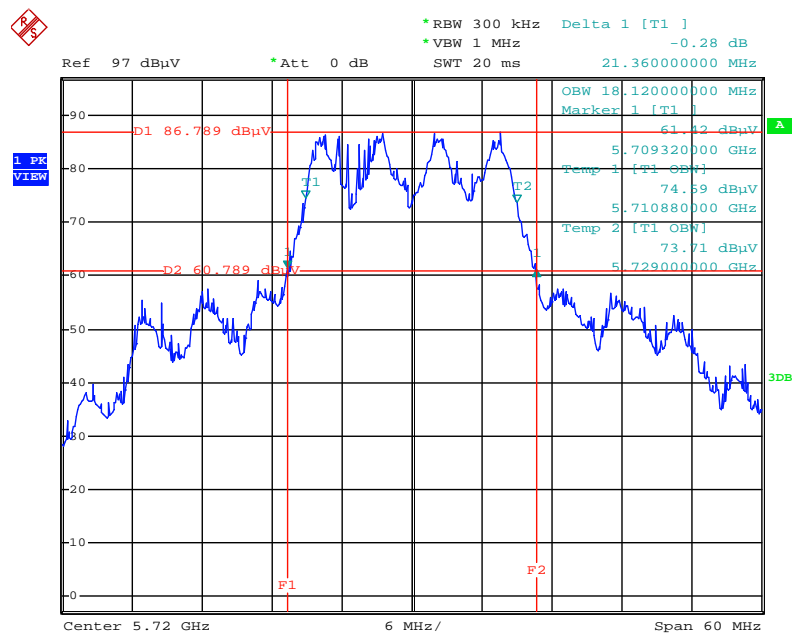
Straddle Channel

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



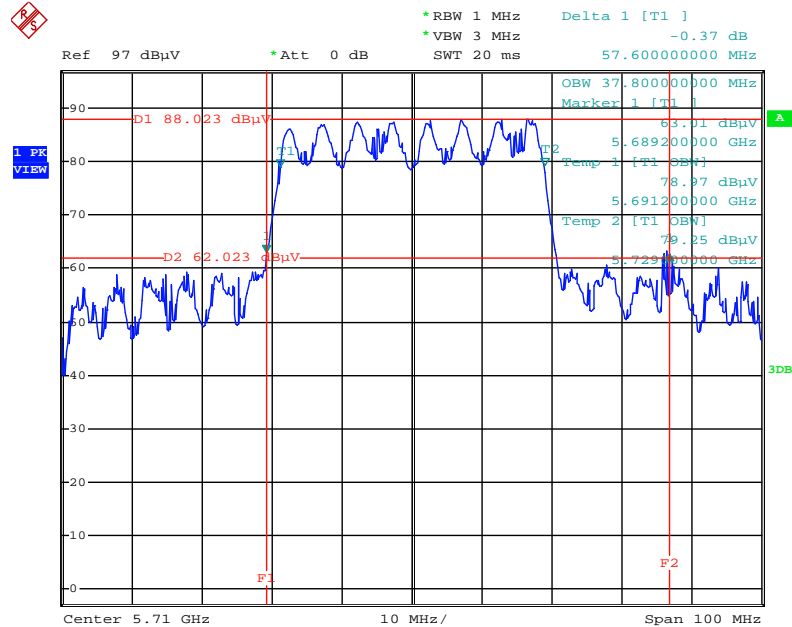
Date: 8.JAN.2016 09:55:08

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz



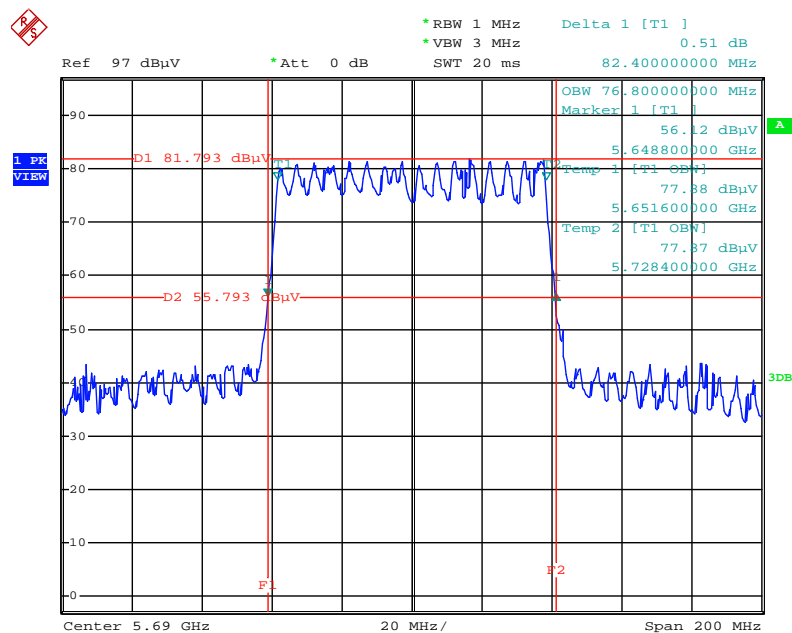
Date: 8.JAN.2016 09:54:06

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 09:53:30

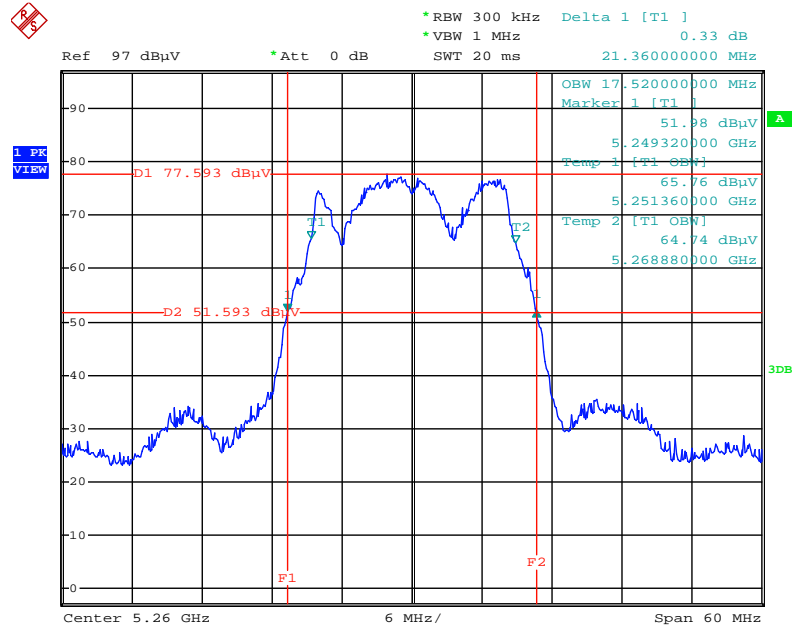
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



Date: 8.JAN.2016 13:54:46

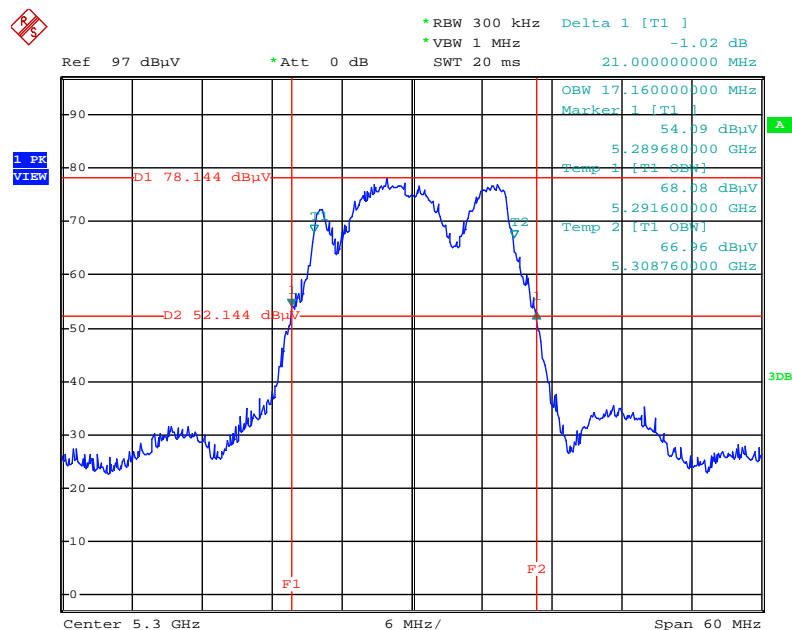
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
+ Chain 3 / 5260 MHz



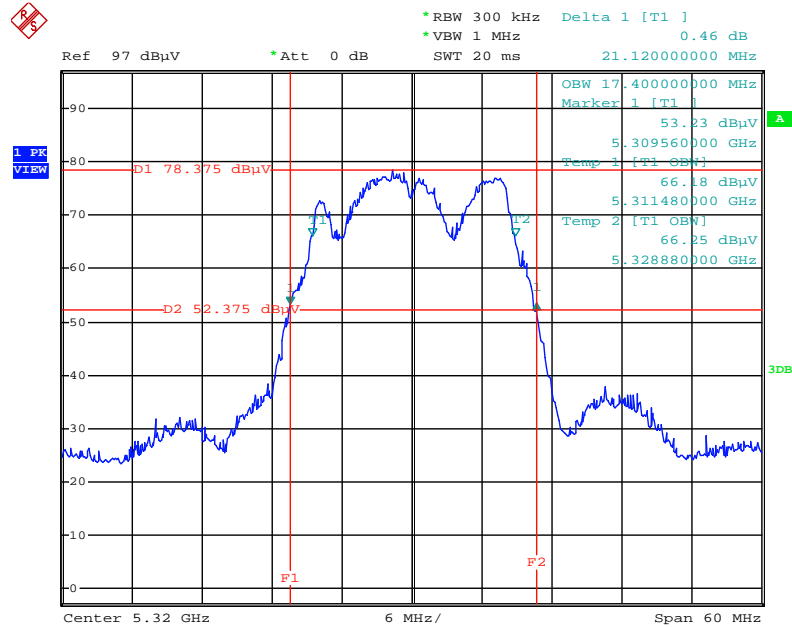
Date: 26.JAN.2016 13:35:26

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
+ Chain 3 / 5300 MHz



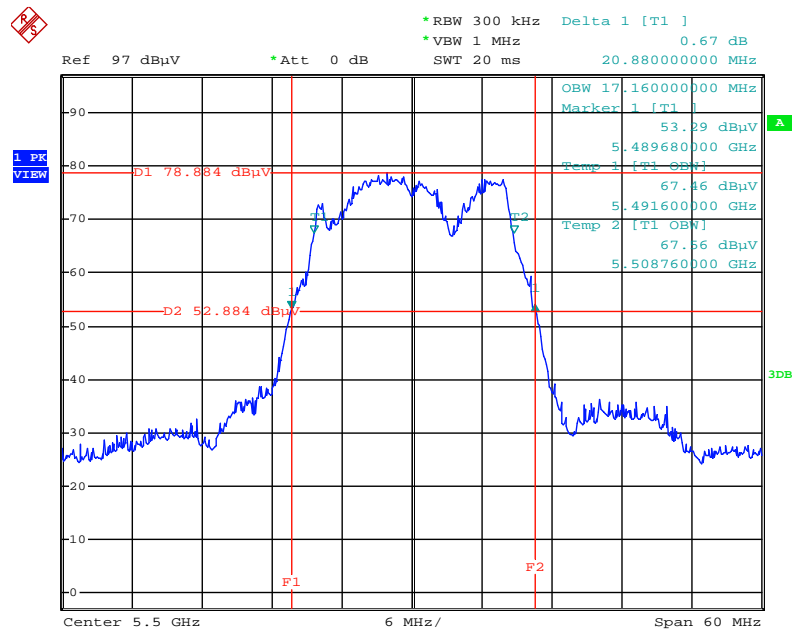
Date: 26.JAN.2016 13:35:02

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



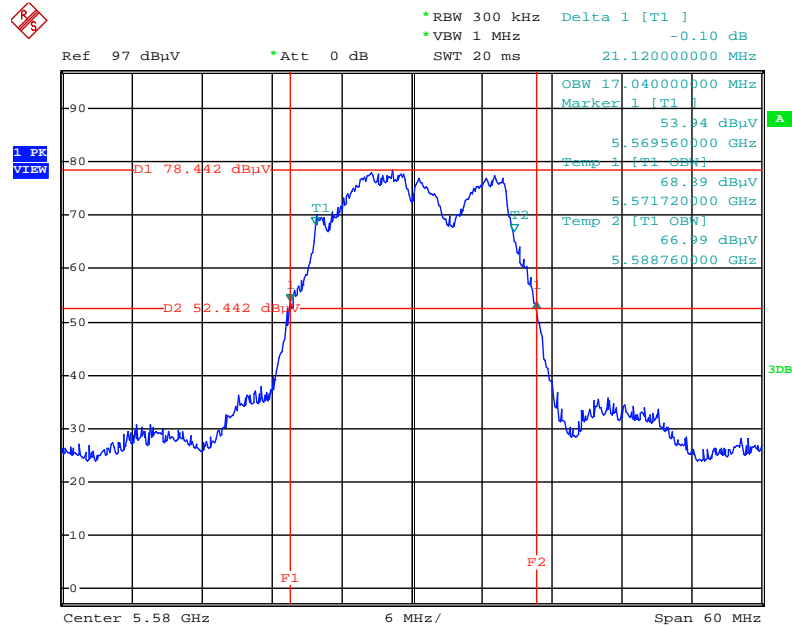
Date: 26.JAN.2016 13:35:50

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



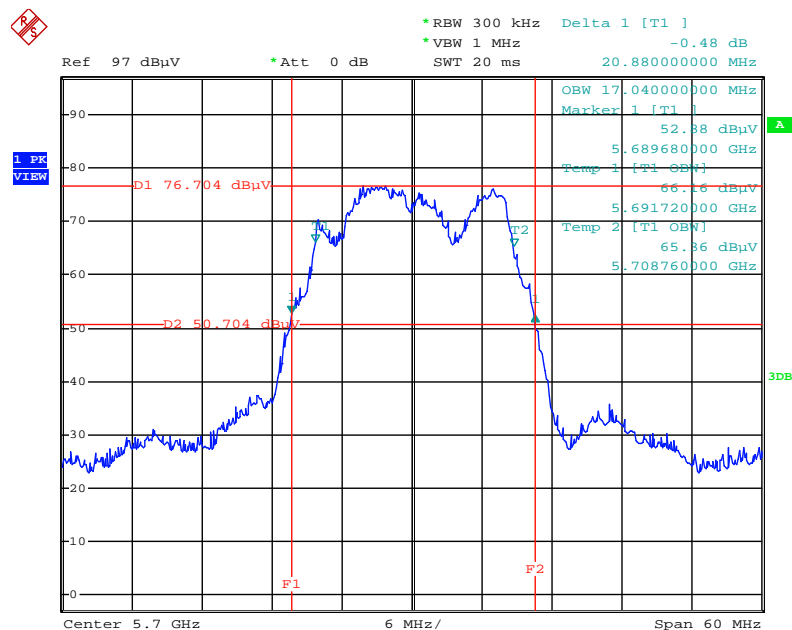
Date: 26.JAN.2016 13:36:43

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



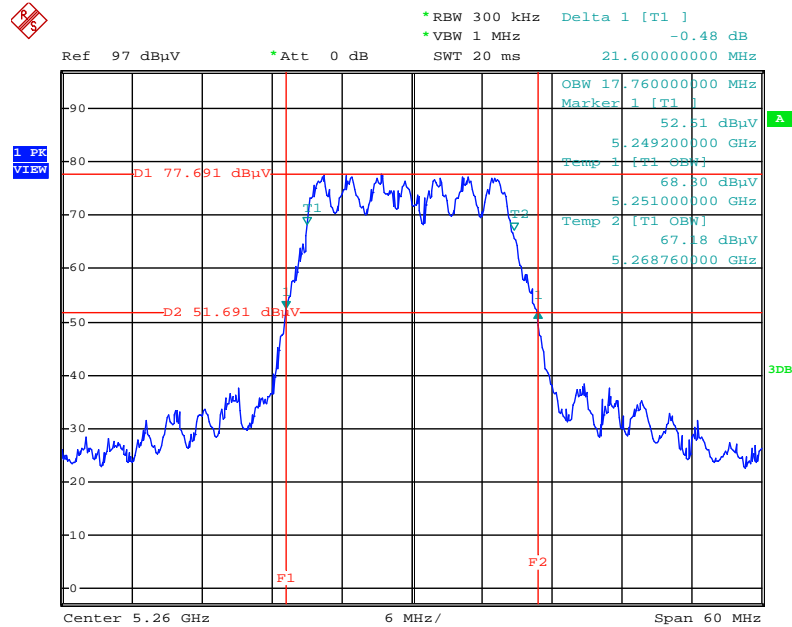
Date: 26.JAN.2016 13:37:04

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



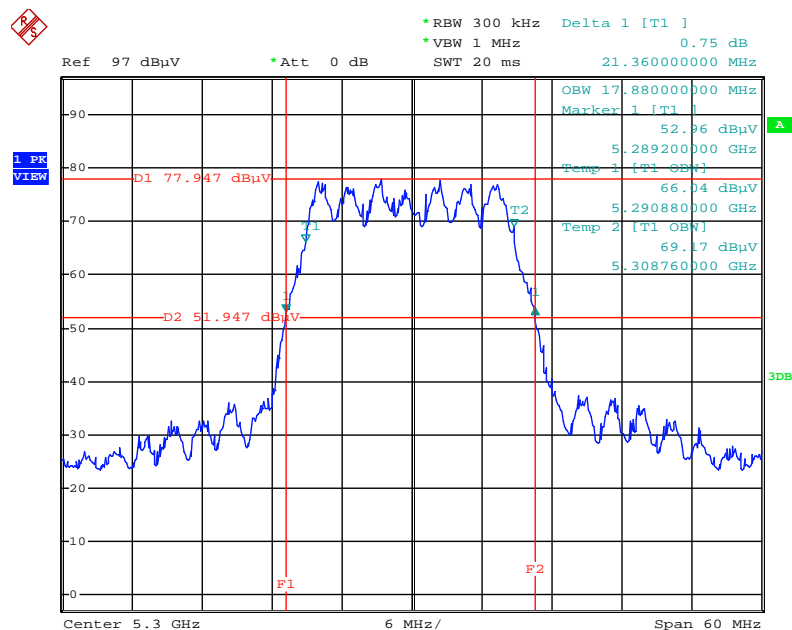
Date: 26.JAN.2016 13:37:21

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



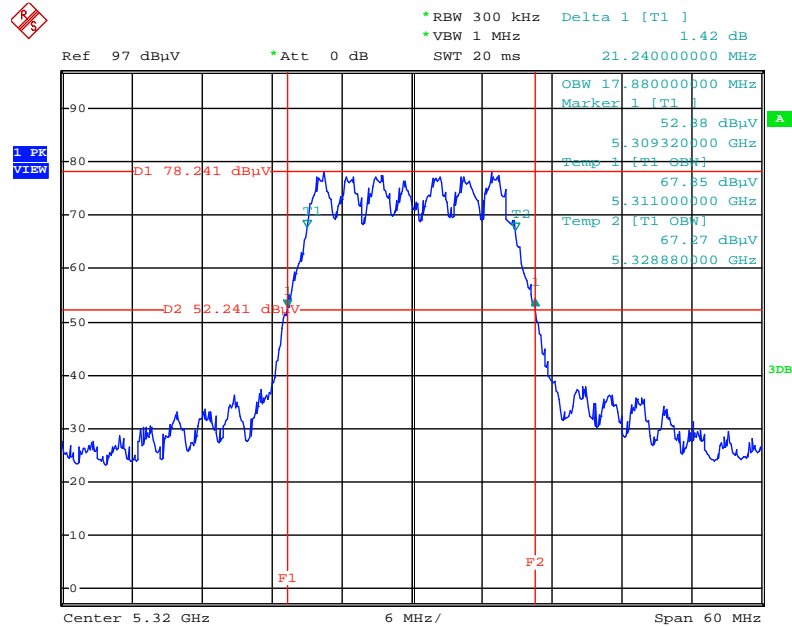
Date: 26.JAN.2016 13:38:18

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



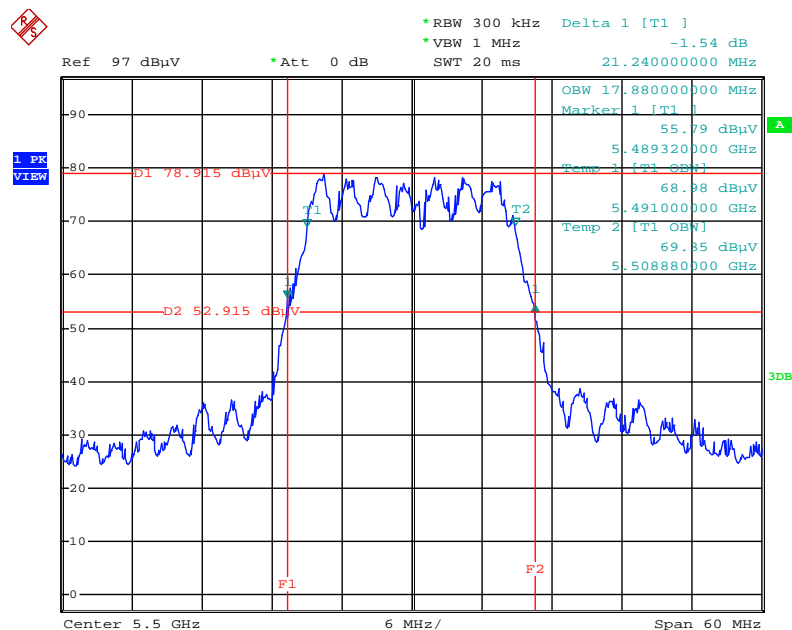
Date: 26.JAN.2016 13:39:01

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



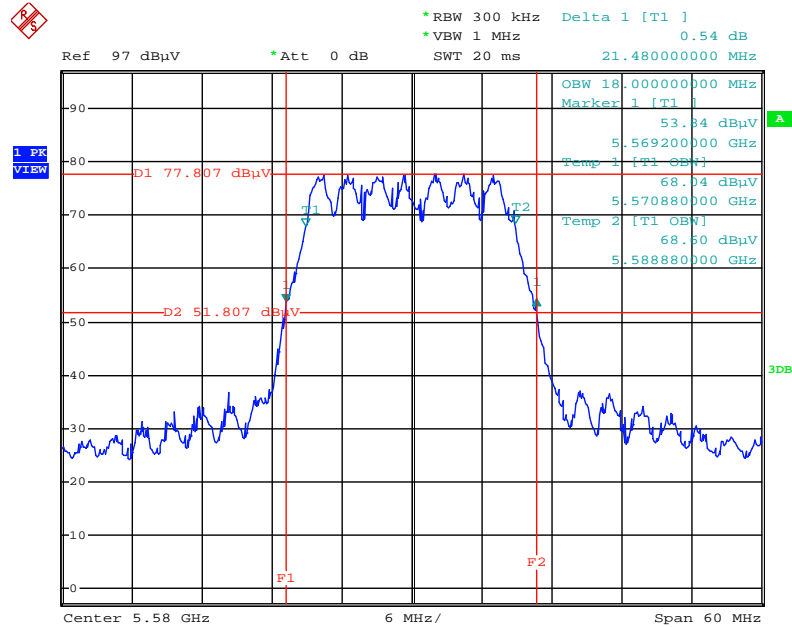
Date: 26.JAN.2016 13:39:30

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



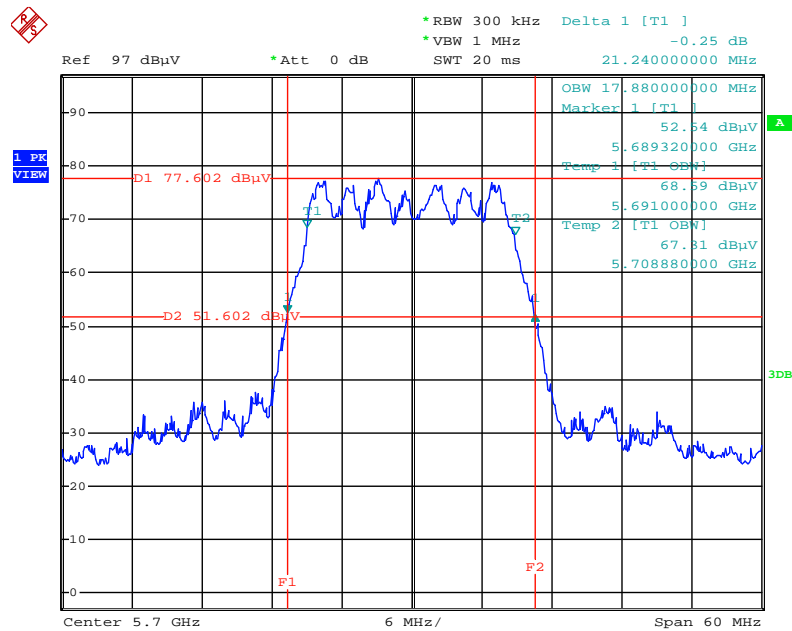
Date: 26.JAN.2016 13:39:44

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



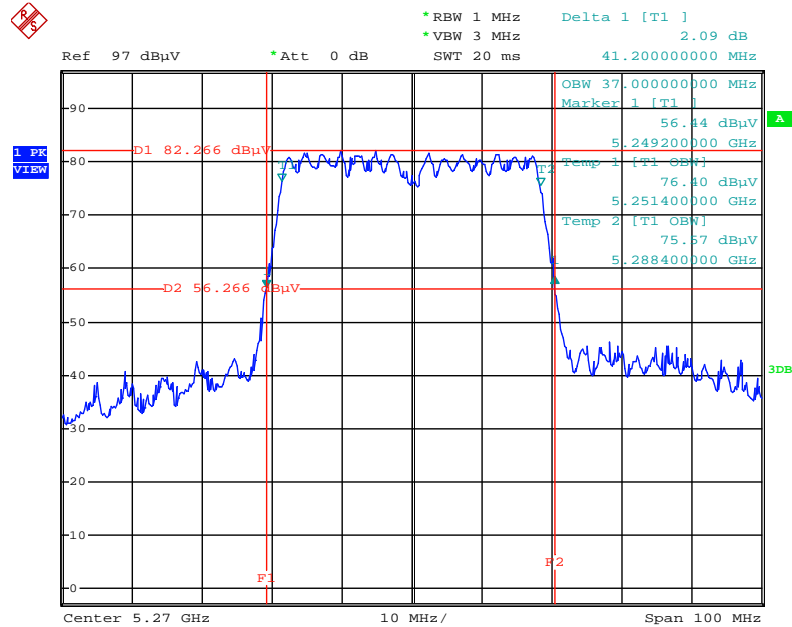
Date: 26.JAN.2016 13:40:10

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



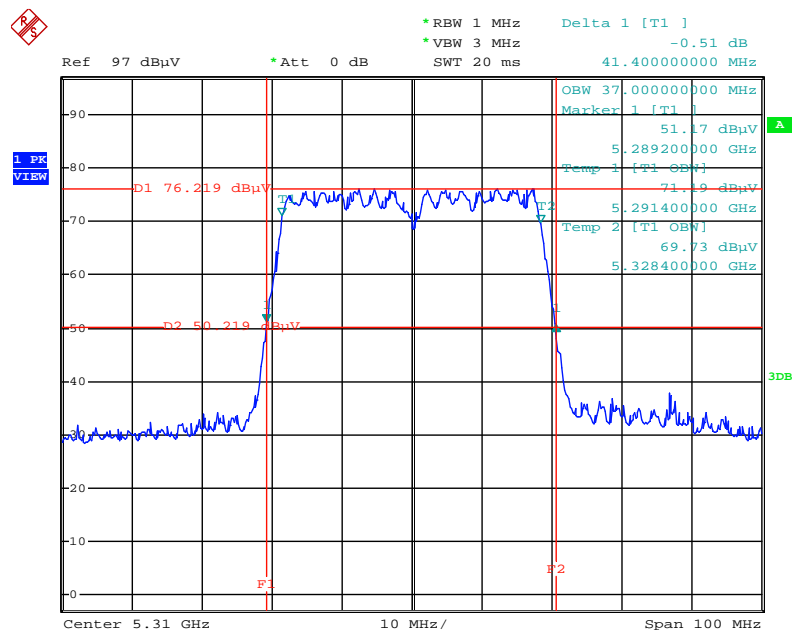
Date: 26.JAN.2016 13:40:30

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



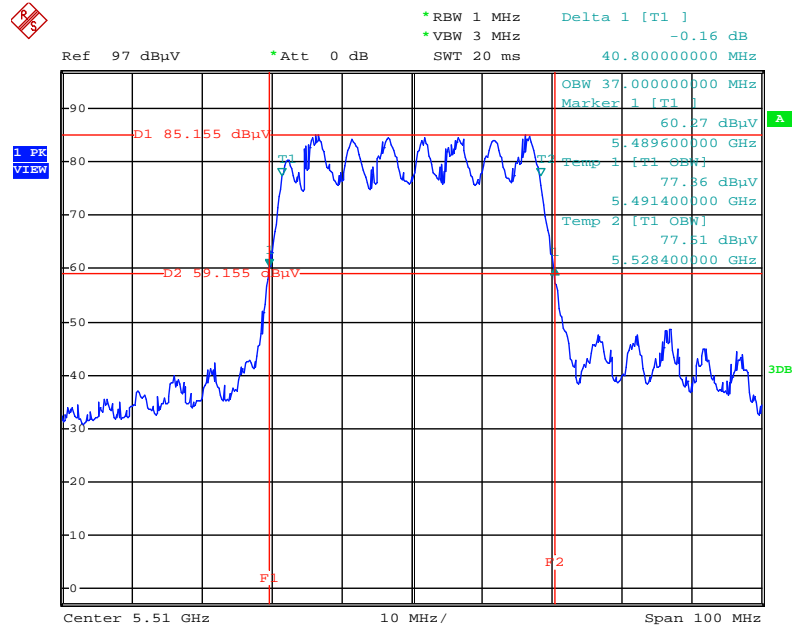
Date: 26.JAN.2016 13:41:29

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



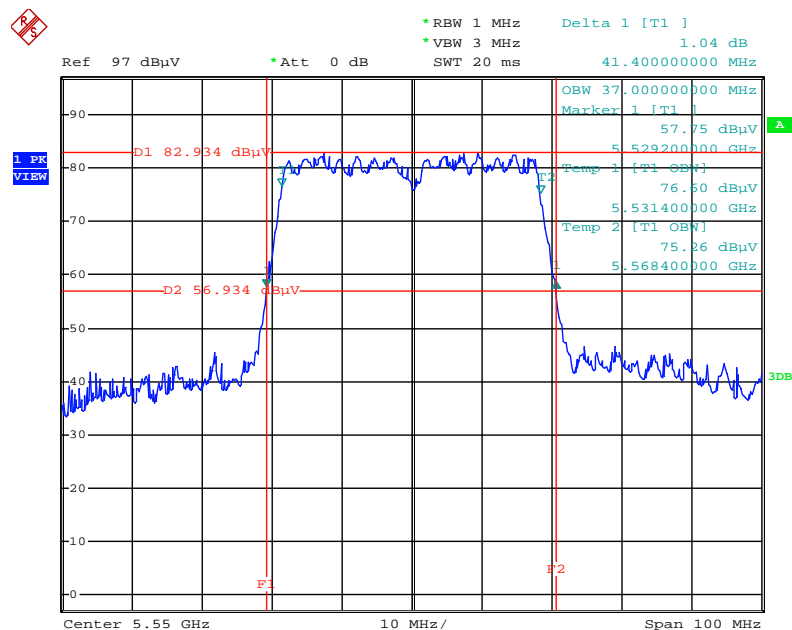
Date: 26.JAN.2016 13:42:39

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



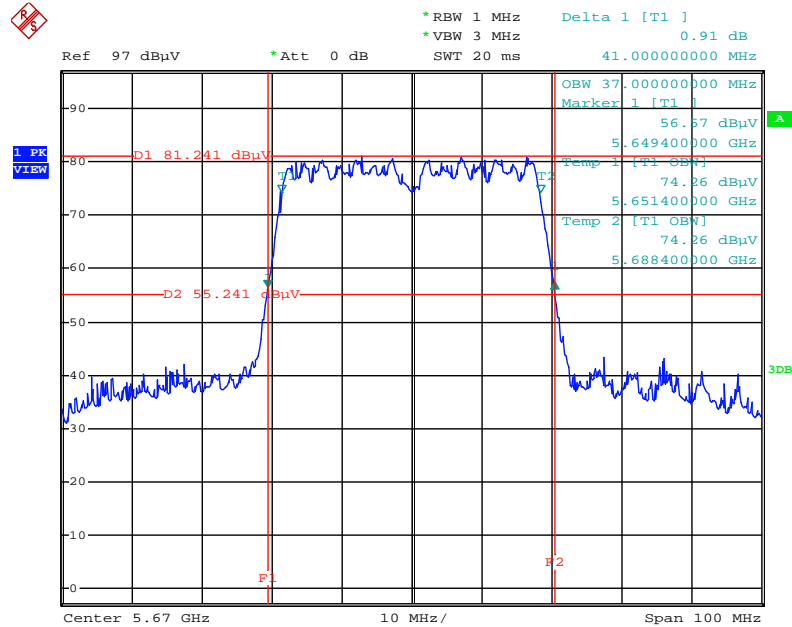
Date: 25.JAN.2016 16:49:04

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



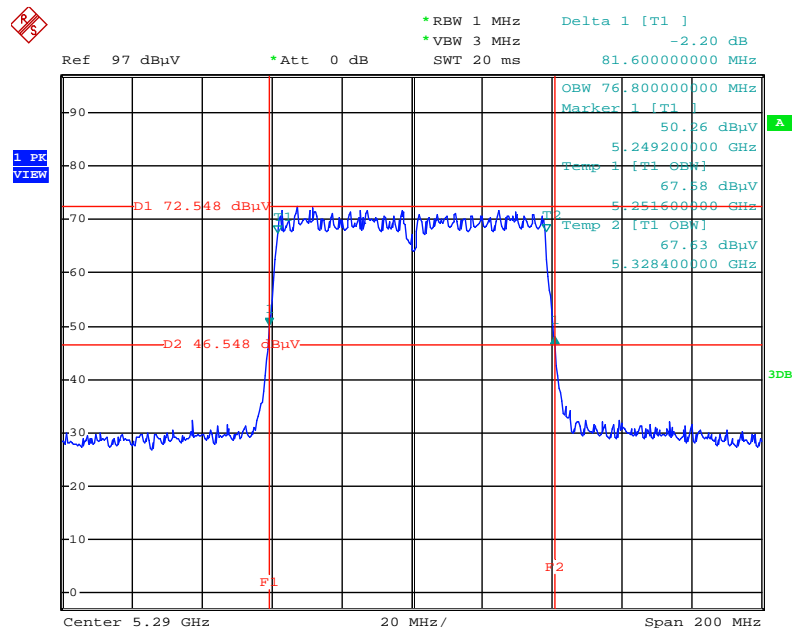
Date: 26.JAN.2016 13:43:03

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



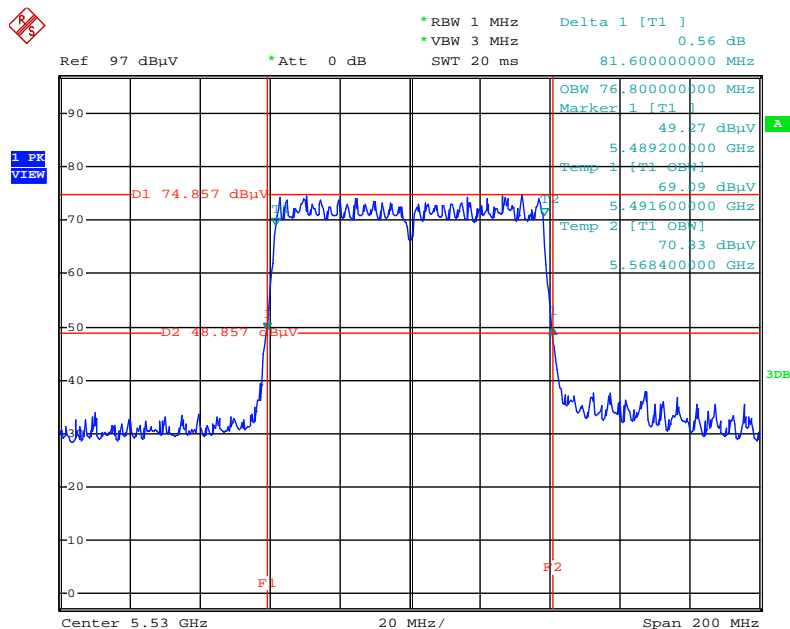
Date: 26.JAN.2016 13:43:18

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



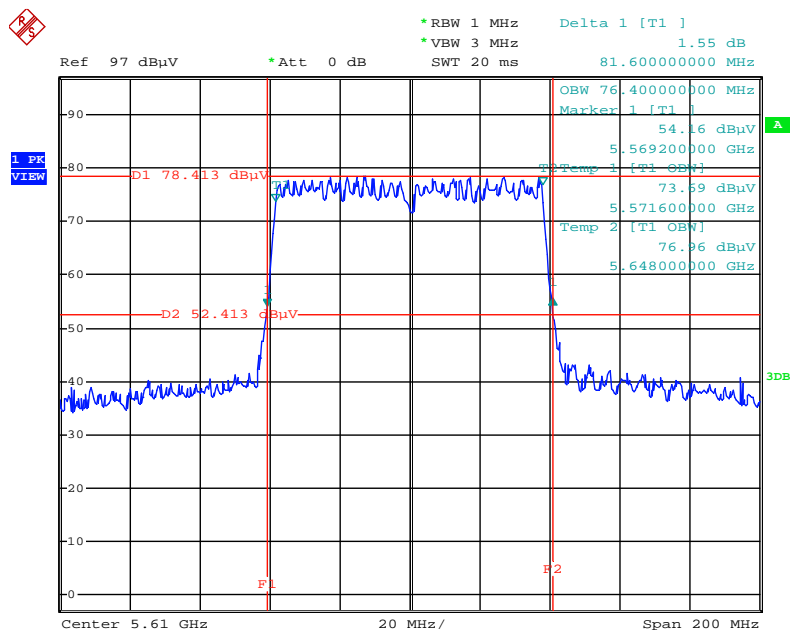
Date: 26.JAN.2016 13:43:54

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



Date: 26.JAN.2016 13:44:12

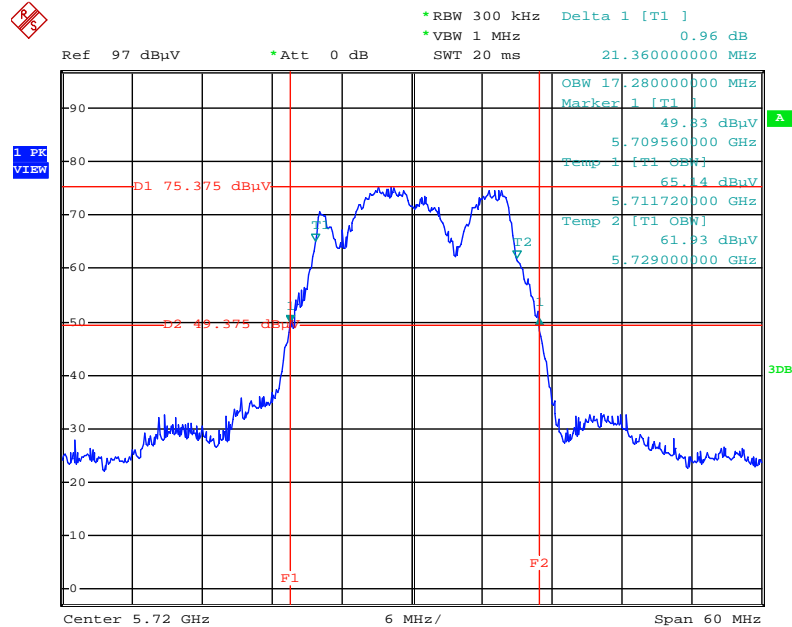
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



Date: 26.JAN.2016 13:44:48

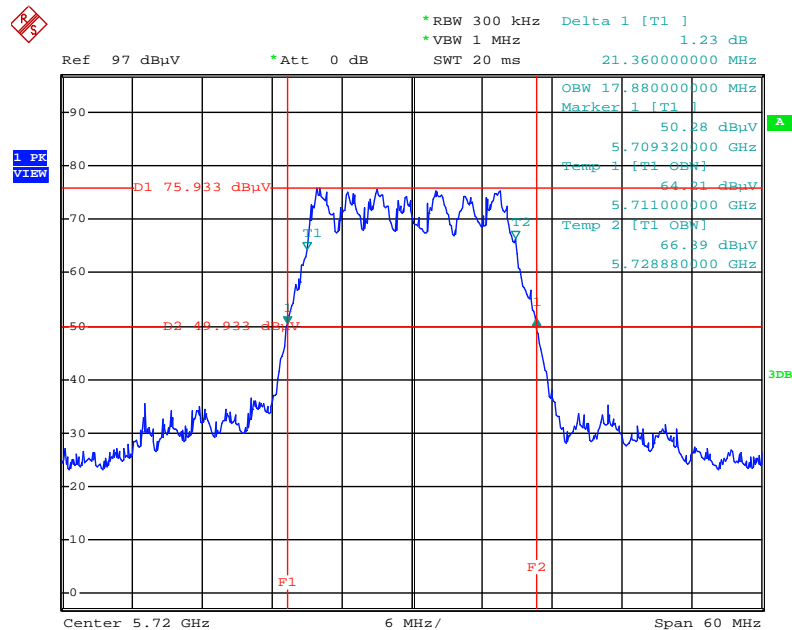
Straddle Channel

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



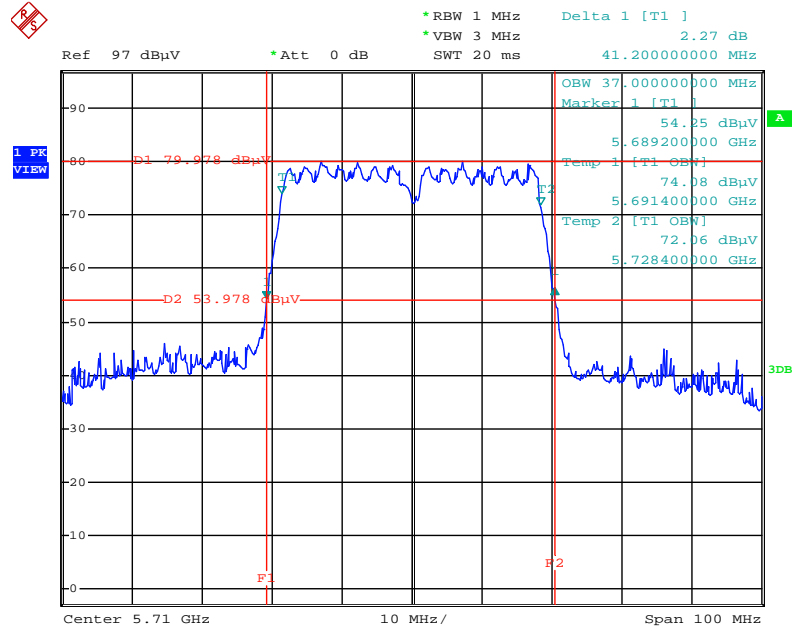
Date: 26.JAN.2016 16:53:05

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



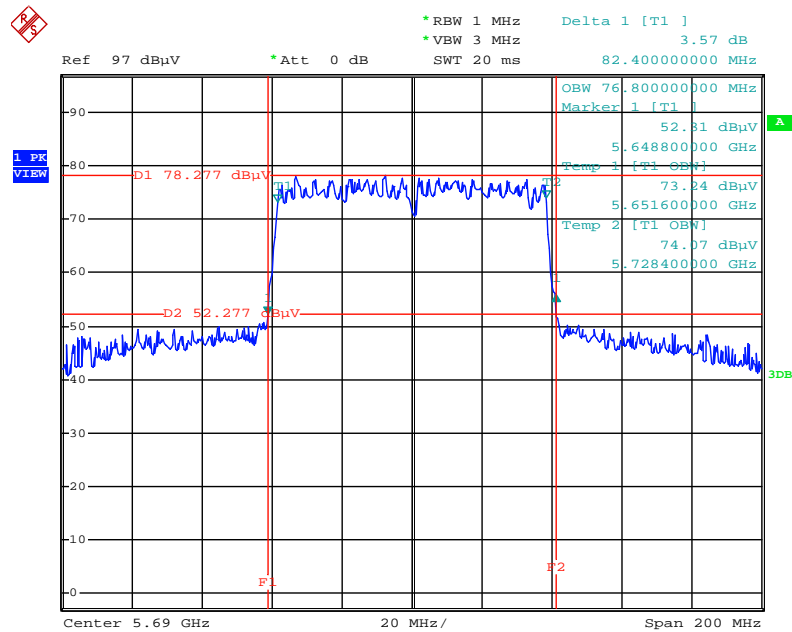
Date: 26.JAN.2016 16:54:00

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 26.JAN.2016 16:55:03

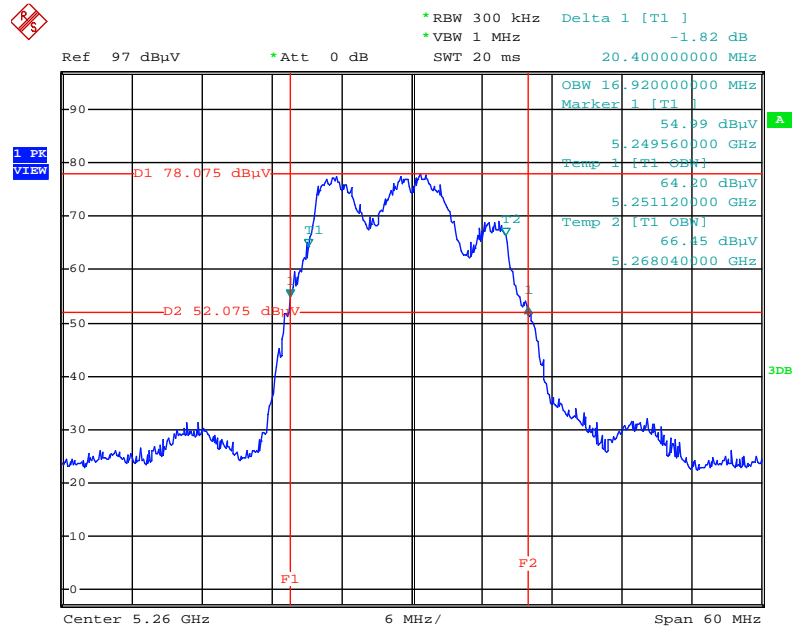
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 26.JAN.2016 16:55:45

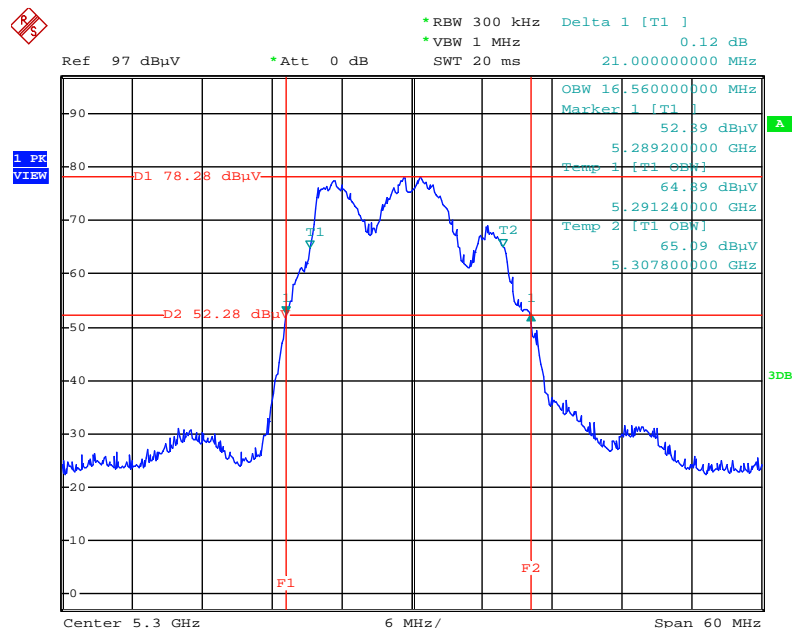
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



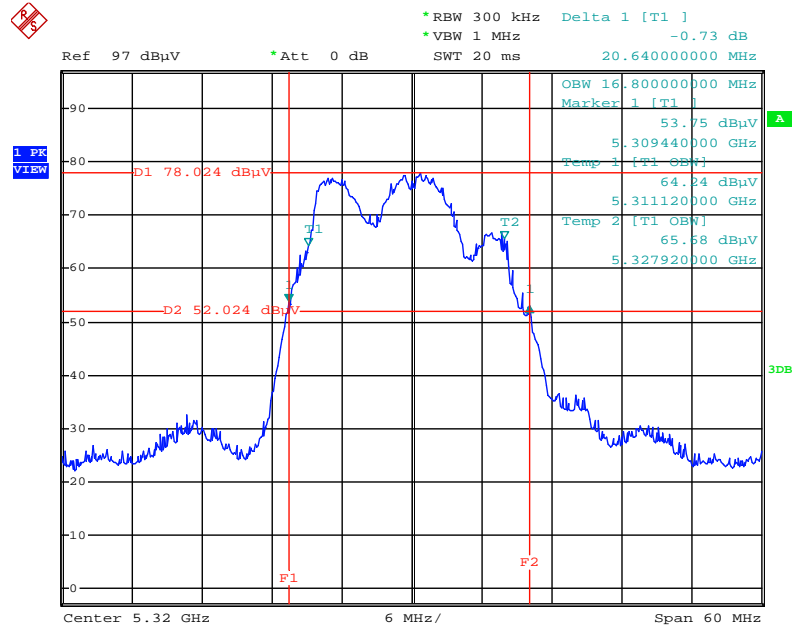
Date: 26.JAN.2016 13:48:59

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



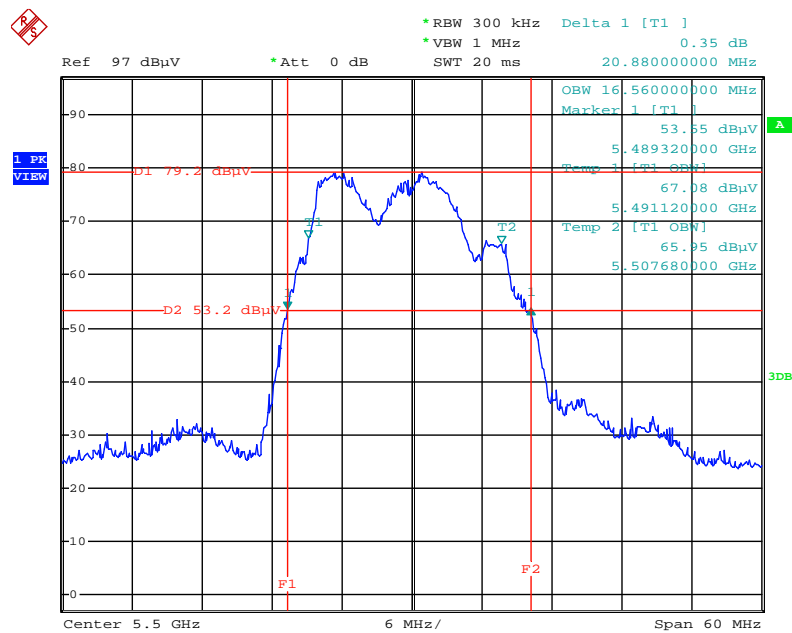
Date: 26.JAN.2016 13:49:32

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5320 MHz



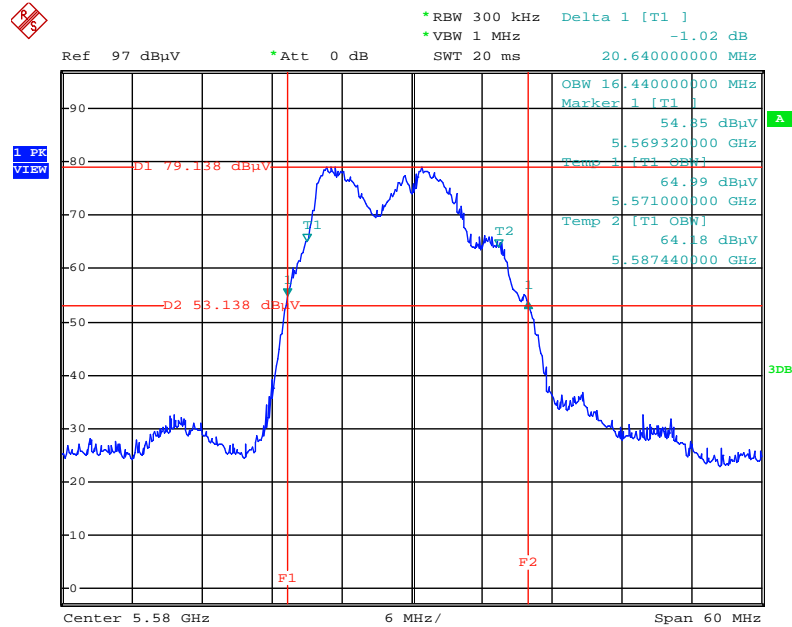
Date: 26.JAN.2016 13:50:01

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5500 MHz



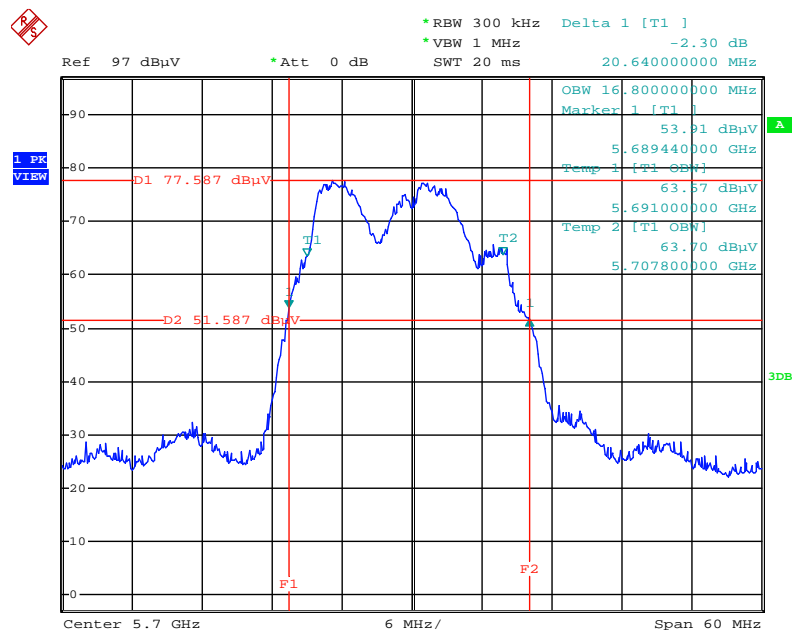
Date: 26.JAN.2016 13:50:26

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



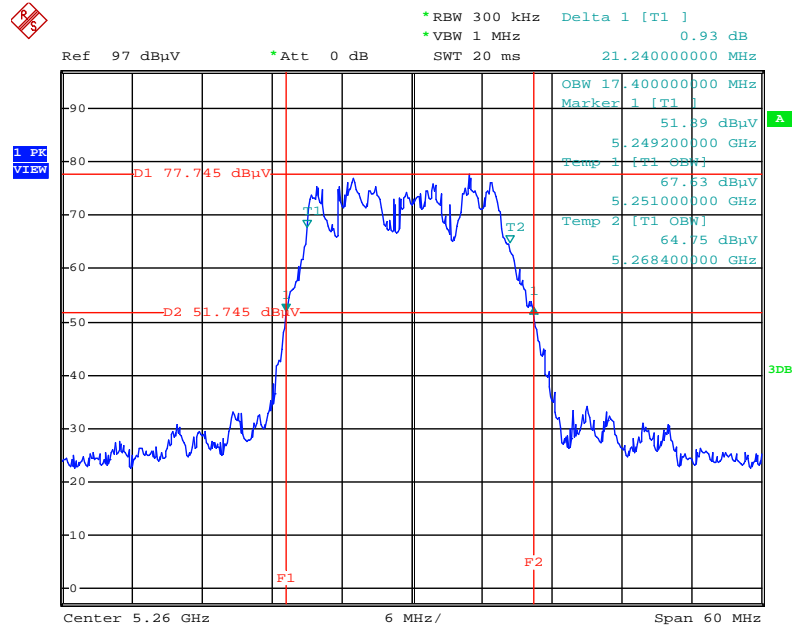
Date: 26.JAN.2016 13:50:44

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



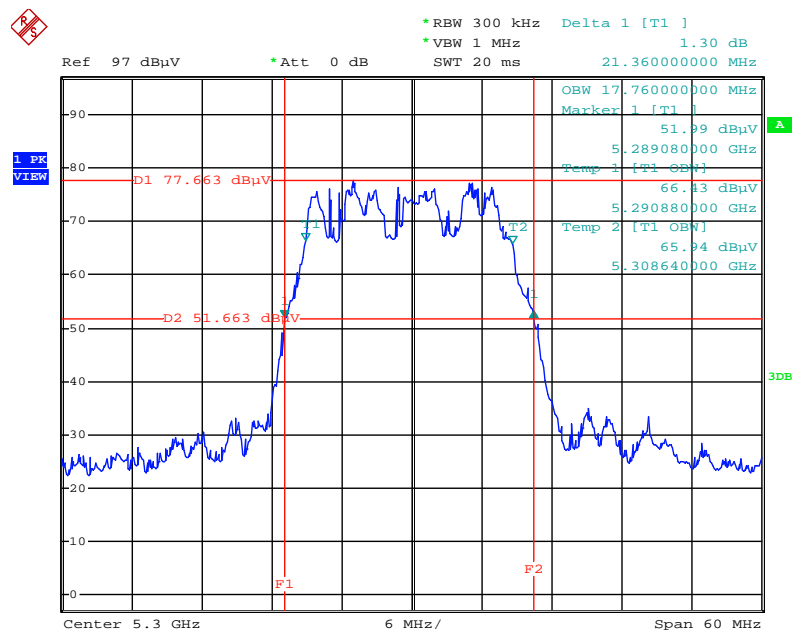
Date: 26.JAN.2016 13:51:01

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



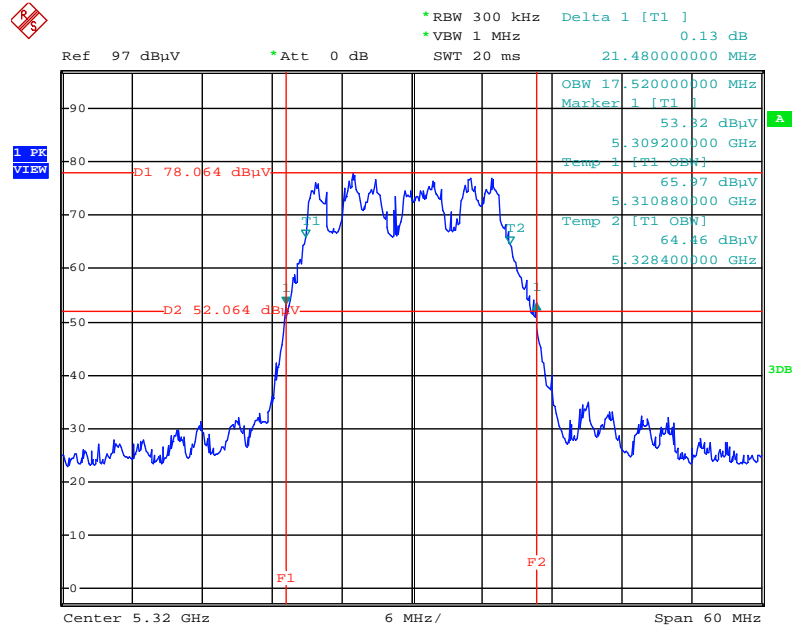
Date: 26.JAN.2016 13:51:33

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



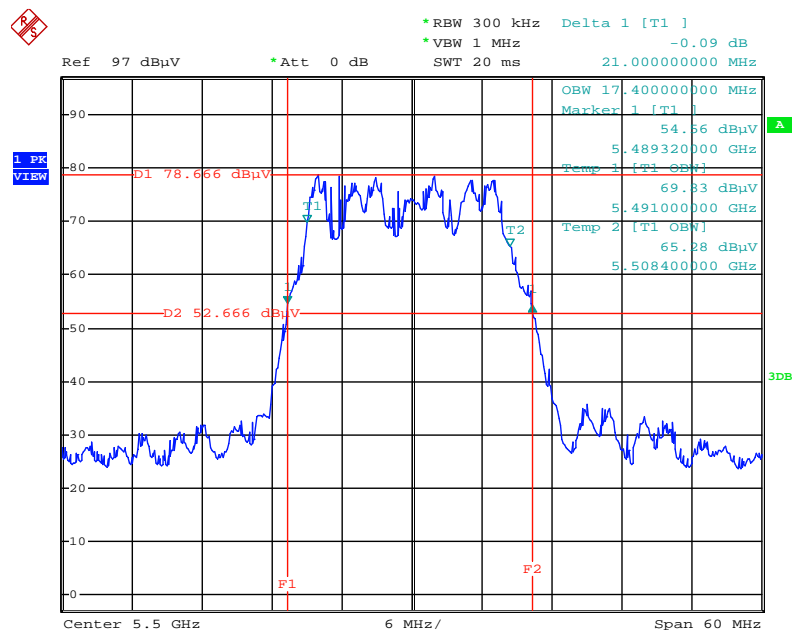
Date: 26.JAN.2016 13:51:54

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5320 MHz



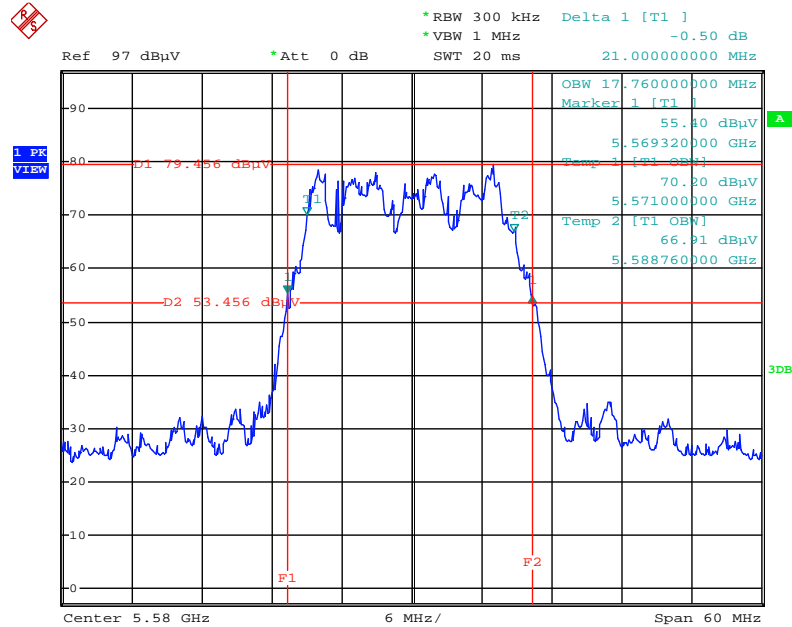
Date: 26.JAN.2016 13:52:21

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5500 MHz



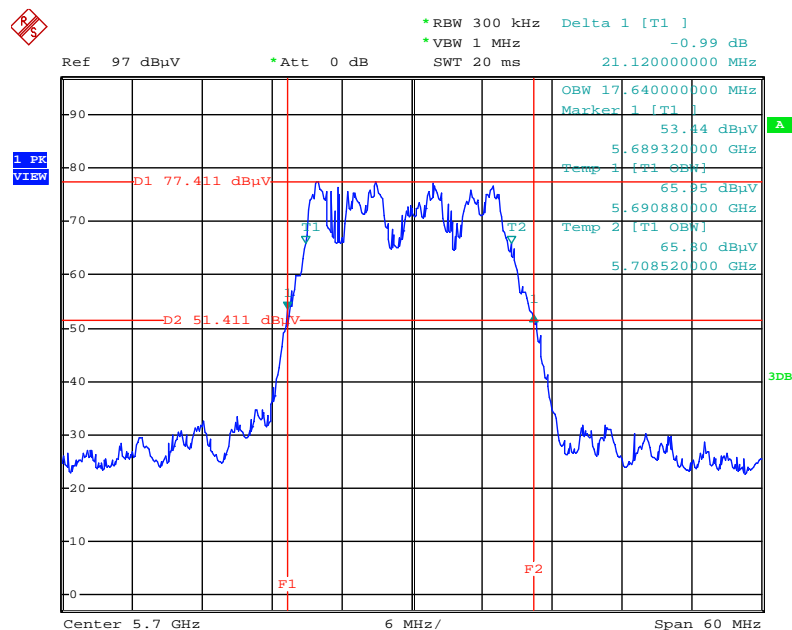
Date: 26.JAN.2016 13:52:45

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



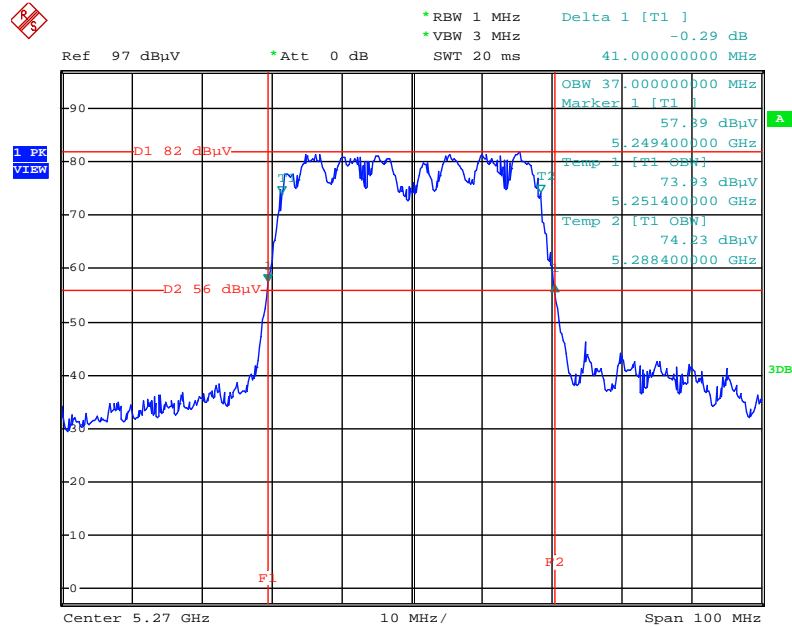
Date: 26.JAN.2016 13:53:11

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



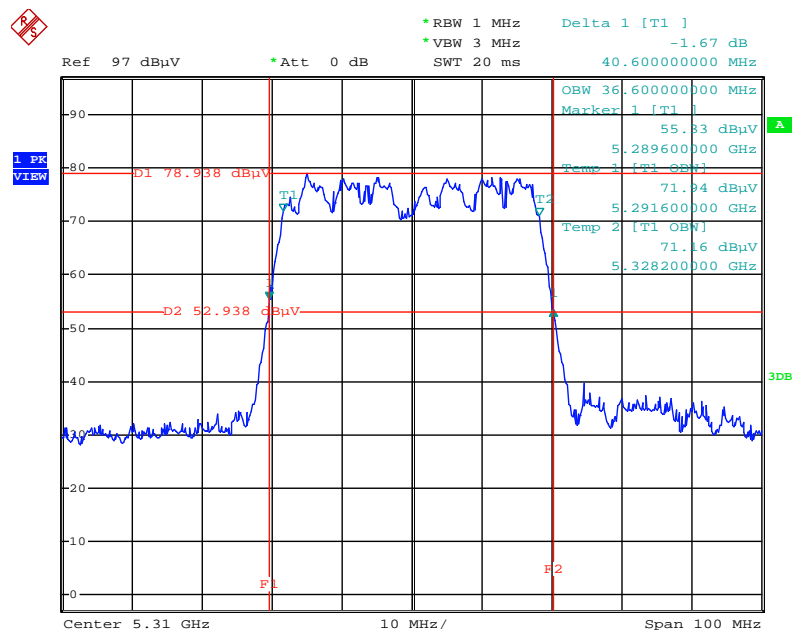
Date: 26.JAN.2016 13:53:35

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



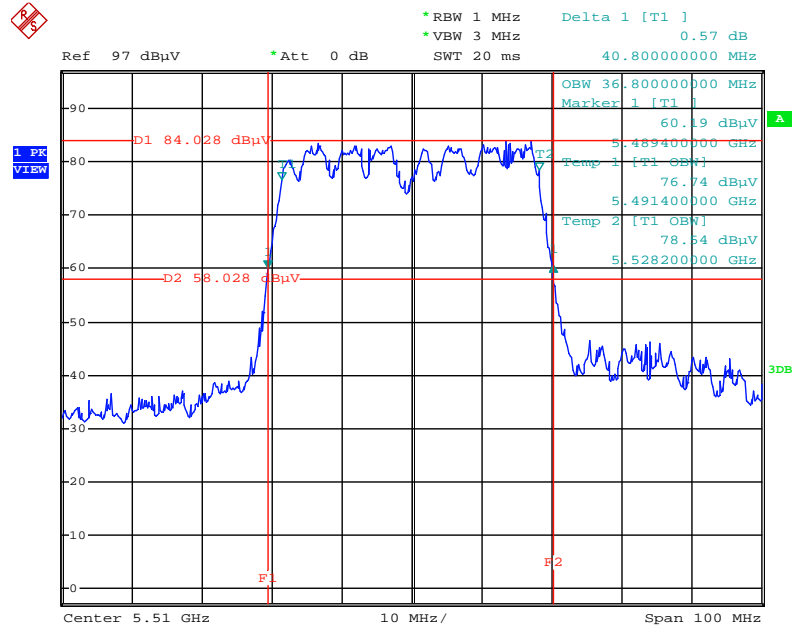
Date: 26.JAN.2016 13:54:29

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



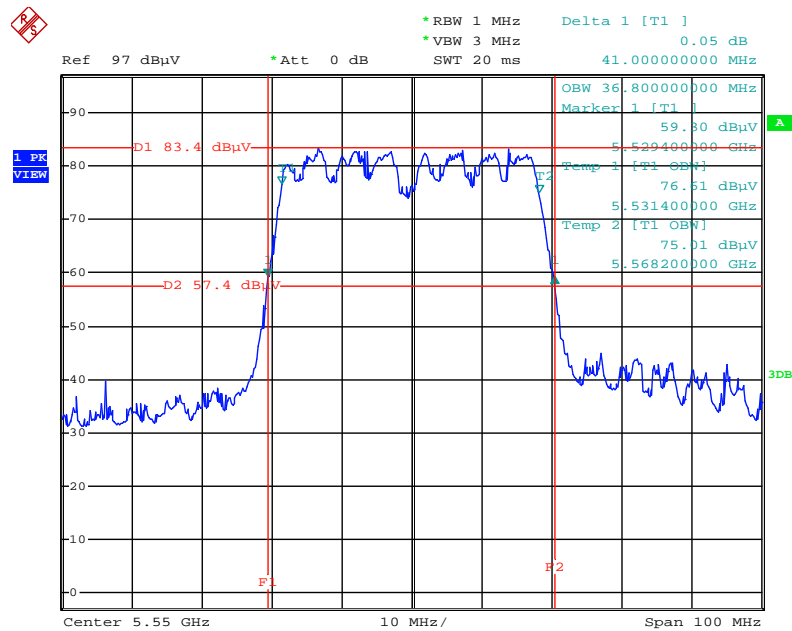
Date: 26.JAN.2016 13:54:56

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5510 MHz



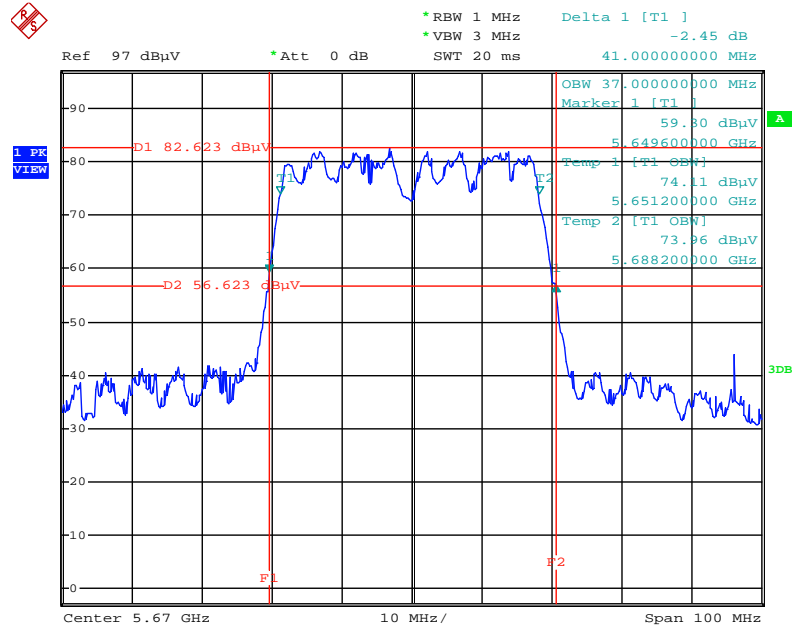
Date: 26.JAN.2016 13:55:26

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



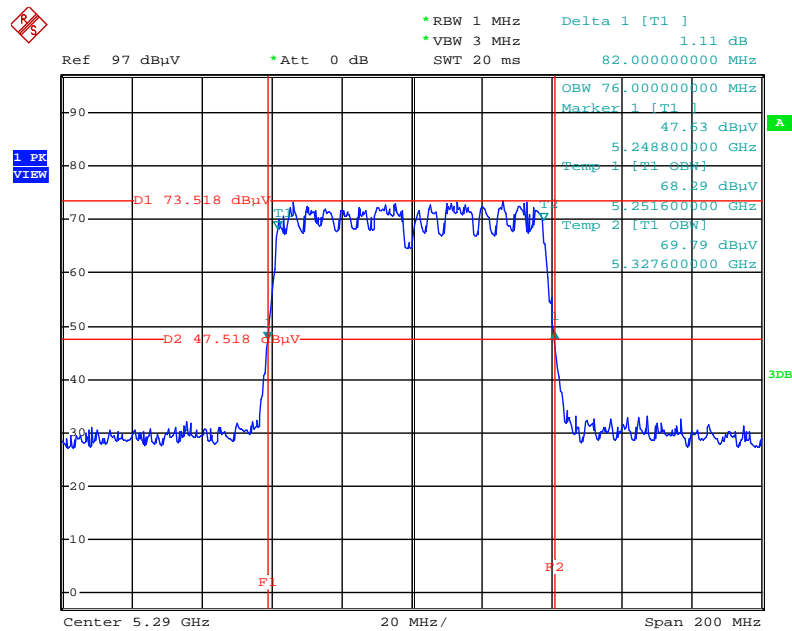
Date: 26.JAN.2016 13:55:58

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



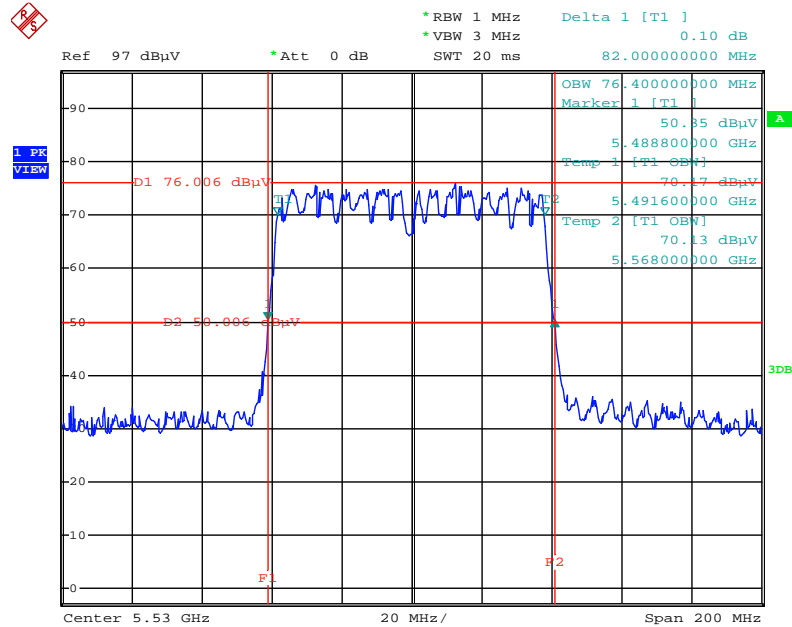
Date: 26.JAN.2016 13:56:18

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz



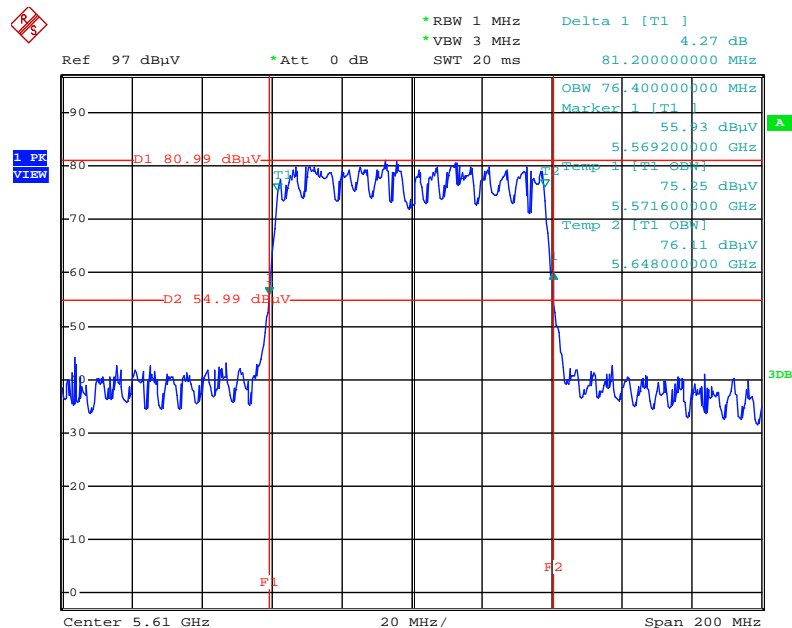
Date: 26.JAN.2016 13:56:56

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5530 MHz



Date: 26.JAN.2016 13:57:09

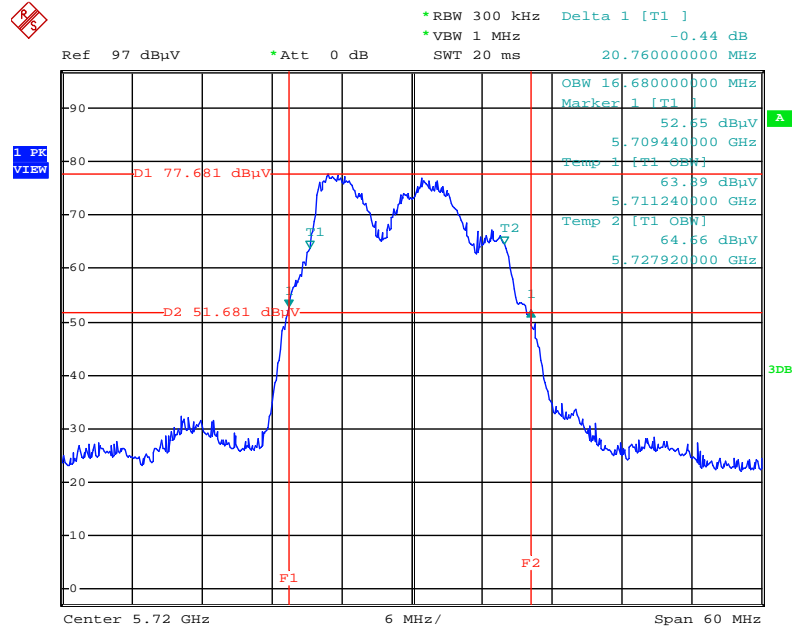
26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz



Date: 26.JAN.2016 13:57:31

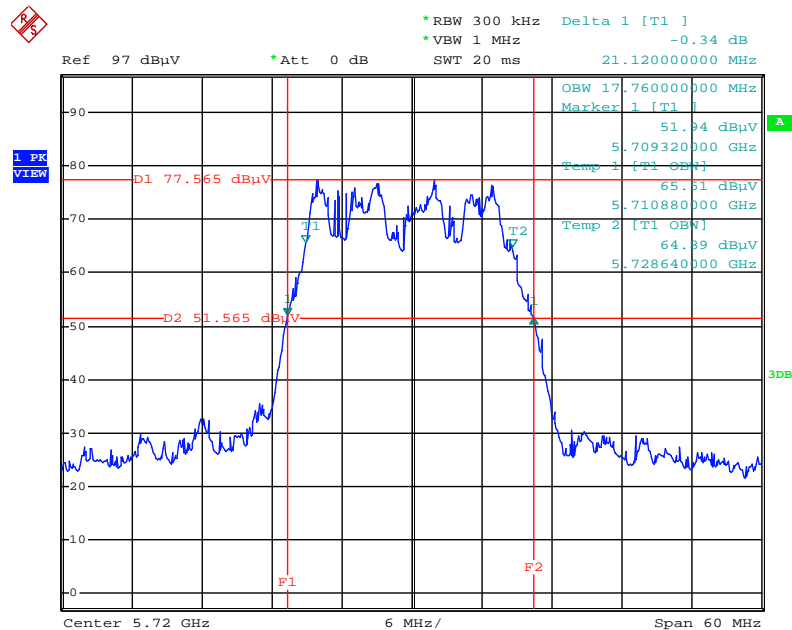
Straddle Channel

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2
+ Chain 3 + Chain 4 / 5720 MHz



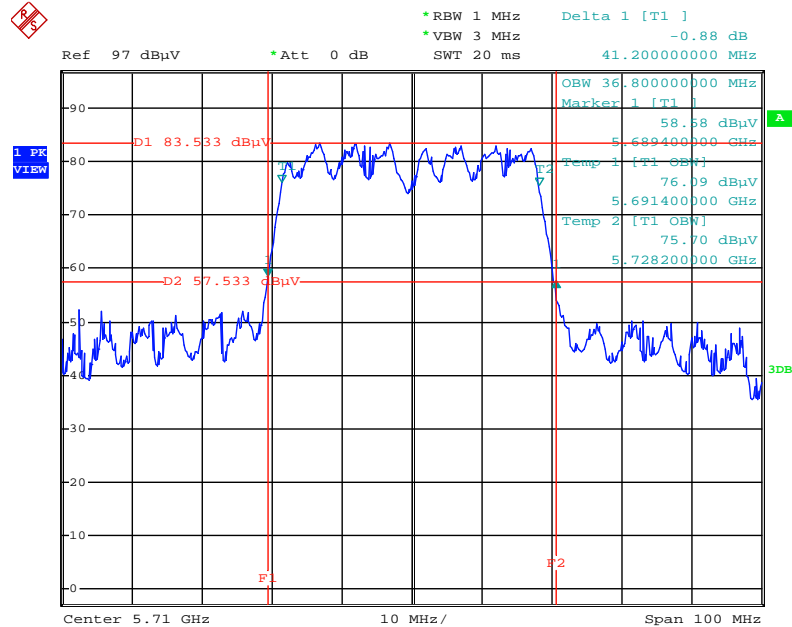
Date: 26.JAN.2016 16:57:30

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 /
Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



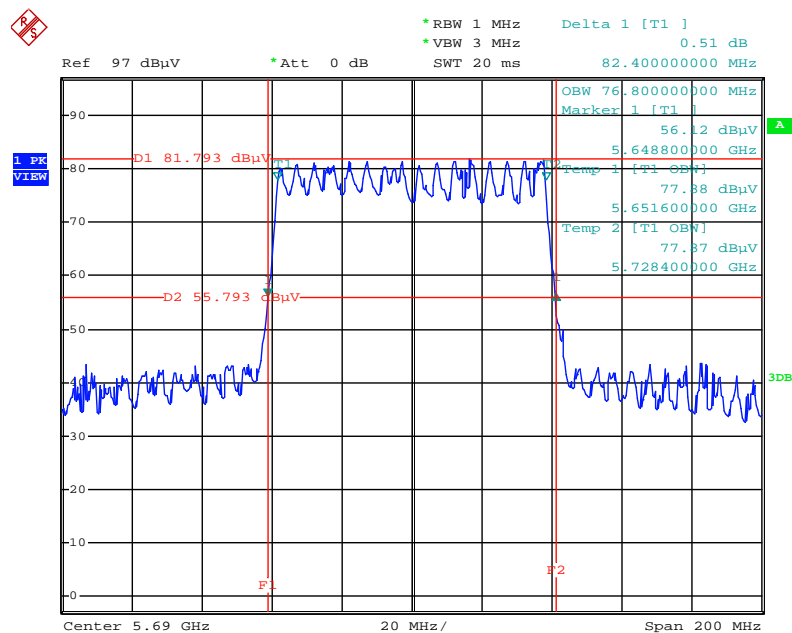
Date: 26.JAN.2016 16:58:18

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 26.JAN.2016 15:52:00

26dB Bandwidth and 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 13:54:46

4.2. 6dB Spectrum Bandwidth Measurement

4.2.1. Limit

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

4.2.2. Measuring Instruments and Setting

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

6dB Spectrum Bandwidth	
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 6dB Bandwidth
RBW	100kHz
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.2.3. Test Procedures

For Radiated 6dB Bandwidth Measurement:

1. The transmitter was radiated to the spectrum analyzer in peak hold mode.
2. Test was performed in accordance with KDB789033 D02 v01r01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (C) Emission Bandwidth.
3. Multiple antenna system was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. Measured the spectrum width with power higher than 6dB below carrier.

4.2.4. Test Setup Layout

For Radiated 6dB Bandwidth Measurement:

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

4.2.5. Test Deviation

There is no deviation with the original standard.

4.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.2.7. Test Result of 6dB Spectrum Bandwidth

For Non-Beamforming Mode

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5711.94	2.65	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.75	5711.25	3.00	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	13.91	5714.38	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.46	5711.19	2.65	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.83	5691.80	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	14.43	5712.00	1.43	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.06	5712.00	3.06	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5692.03	3.09	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.03	3.26	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5711.94	2.65	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.75	5711.25	3.00	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5712.46	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.70	5711.19	2.88	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.83	5691.80	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.13	5712.46	2.59	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.06	5711.54	2.59	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.71	5691.91	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.03	3.26	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5711.94	2.65	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.75	5711.25	3.00	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.41	5711.88	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.99	5711.25	3.23	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.83	5691.80	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5712.46	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.35	5711.19	2.54	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.71	5691.91	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.03	3.26	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5711.94	2.65	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.75	5711.25	3.00	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	13.91	5714.38	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.46	5711.19	2.65	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.83	5691.80	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	12.41	5715.36	2.77	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	15.54	5711.59	2.13	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.71	5691.91	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.03	3.26	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5711.94	2.65	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.75	5711.25	3.00	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.83	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.93	5711.19	3.12	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.83	5691.80	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.83	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.46	5711.19	2.65	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.71	5691.91	2.62	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.03	3.26	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	16.35	5711.94	3.29	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	17.57	5711.30	3.87	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.29	5691.91	3.20	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.13	5713.04	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	15.71	5711.83	2.54	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.91	2.97	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	70.15	5657.54	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Straddle Channel

Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	12.93	5714.96	2.88	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.23	5711.42	2.65	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	36.06	5691.80	2.85	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	75.94	5651.74	2.68	500	Complies

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Straddle Channel

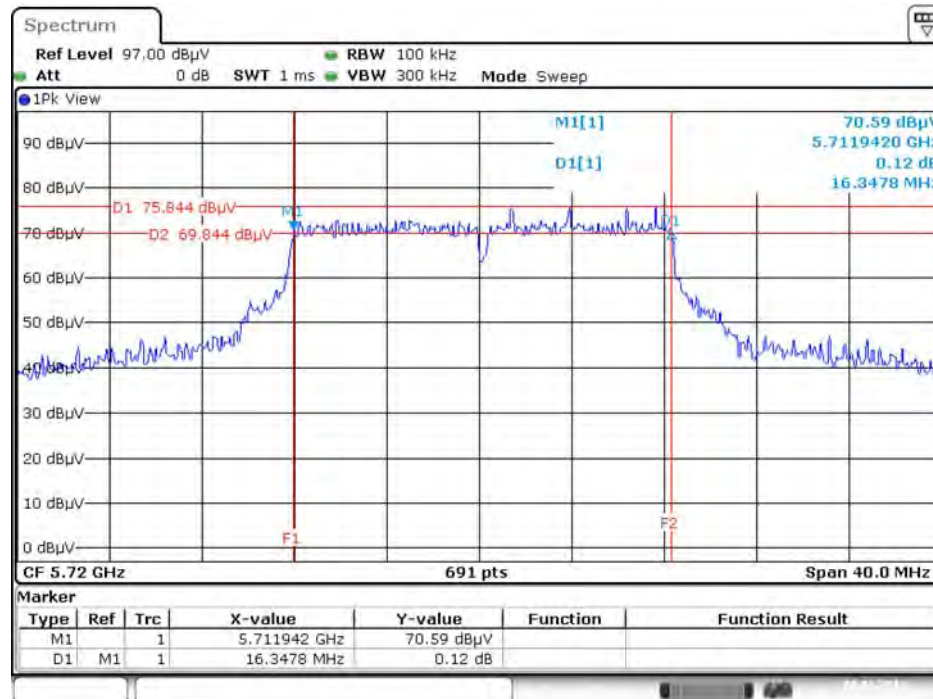
Mode	Frequency	6dB BW (MHz)	6dB BW M1 (MHz)	UNII 3 BW (MHz)	Min. Limit (kHz)	Test Result
802.11a	5720 MHz	15.71	5712.46	3.17	500	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz	16.35	5711.19	2.54	500	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz	35.71	5691.80	2.51	500	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz	76.23	5652.02	3.25	500	Complies

For Non-Beamforming Mode

Straddle Channel

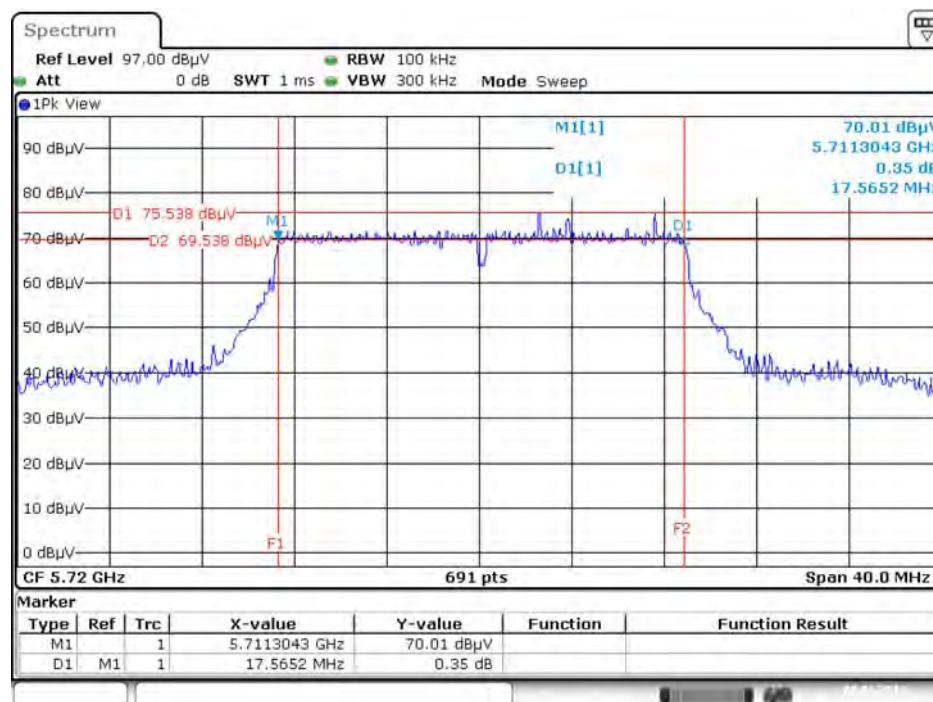
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



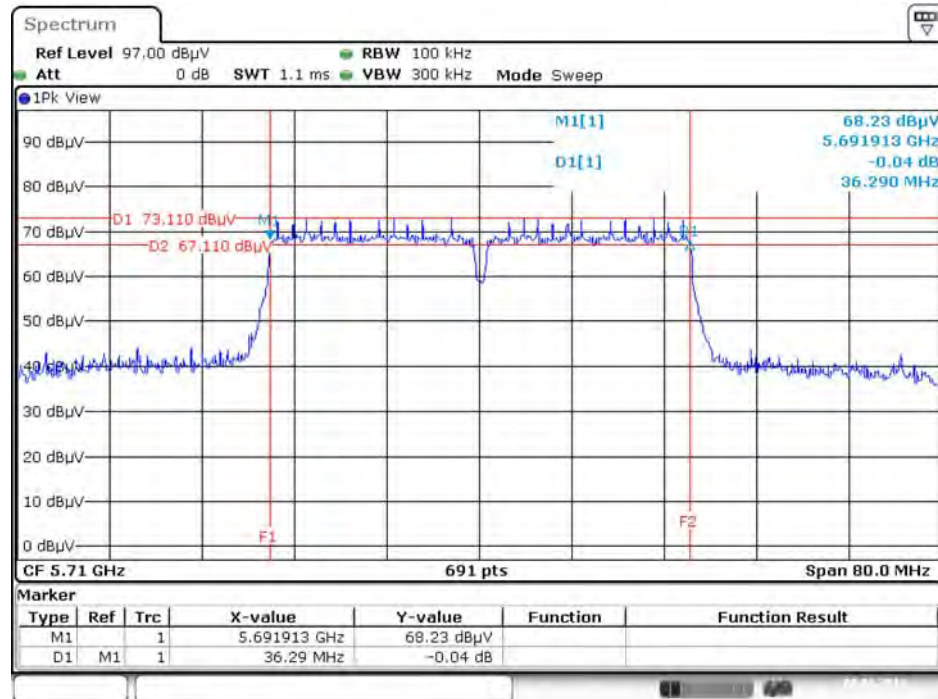
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6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz

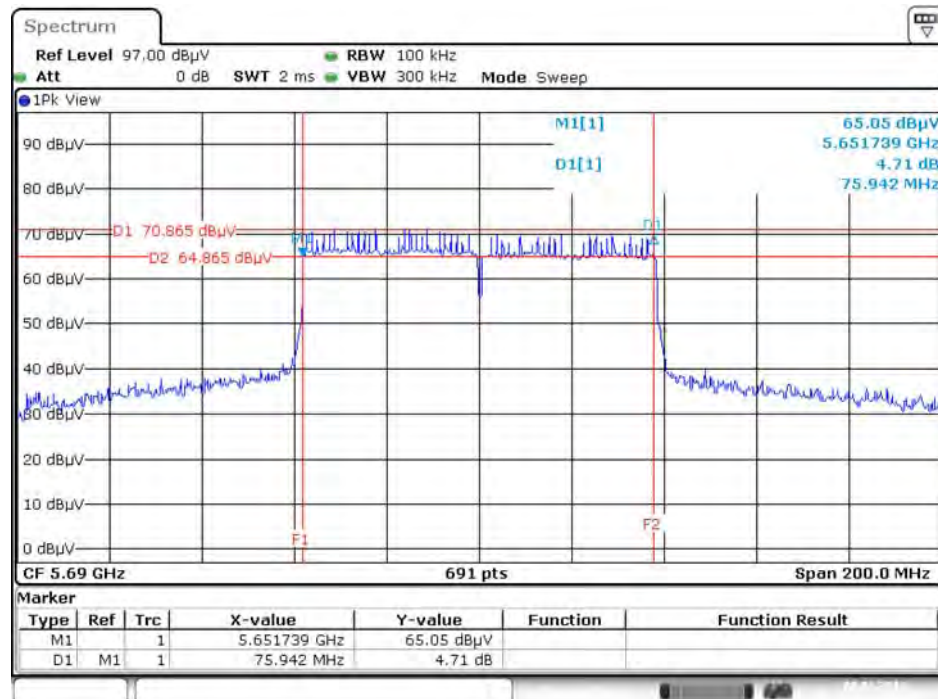


Date: 8.JAN.2016 15:55:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz

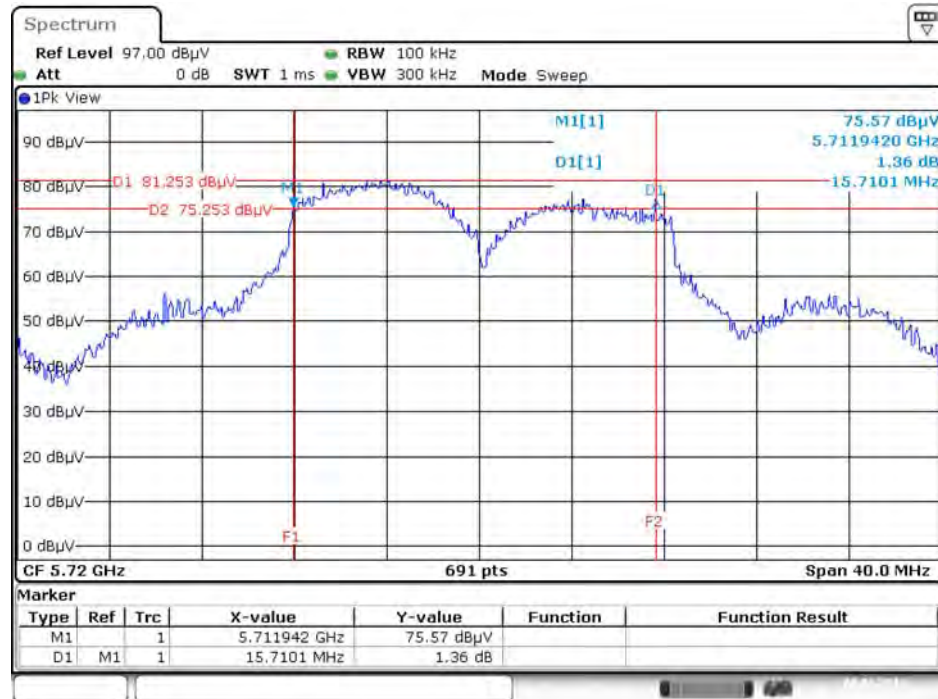


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



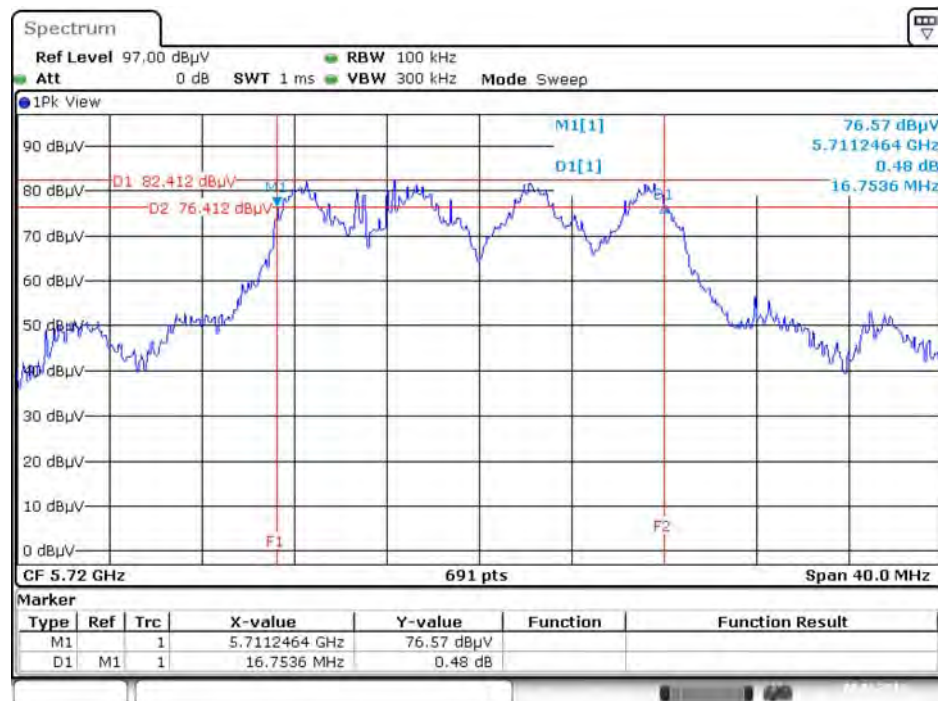
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



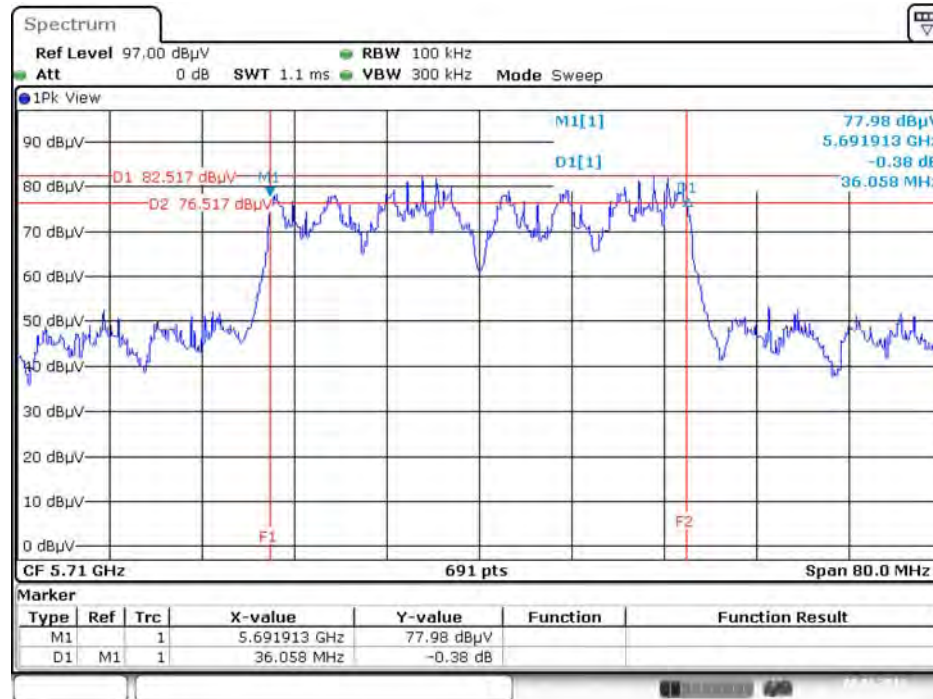
Date: 8.JAN.2016 15:53:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz



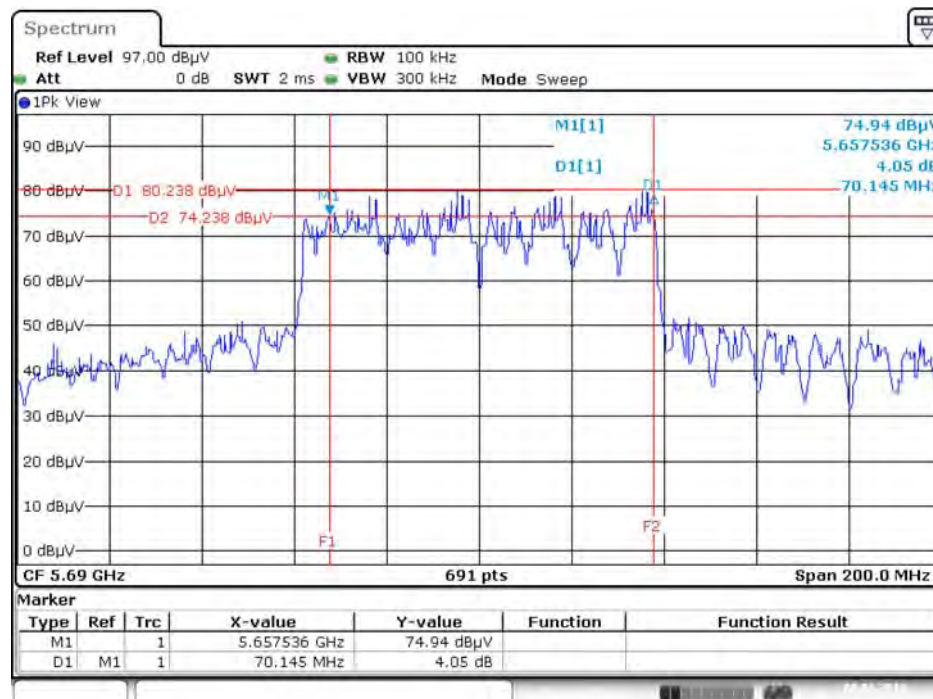
Date: 8.JAN.2016 15:50:40

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 15:51:04

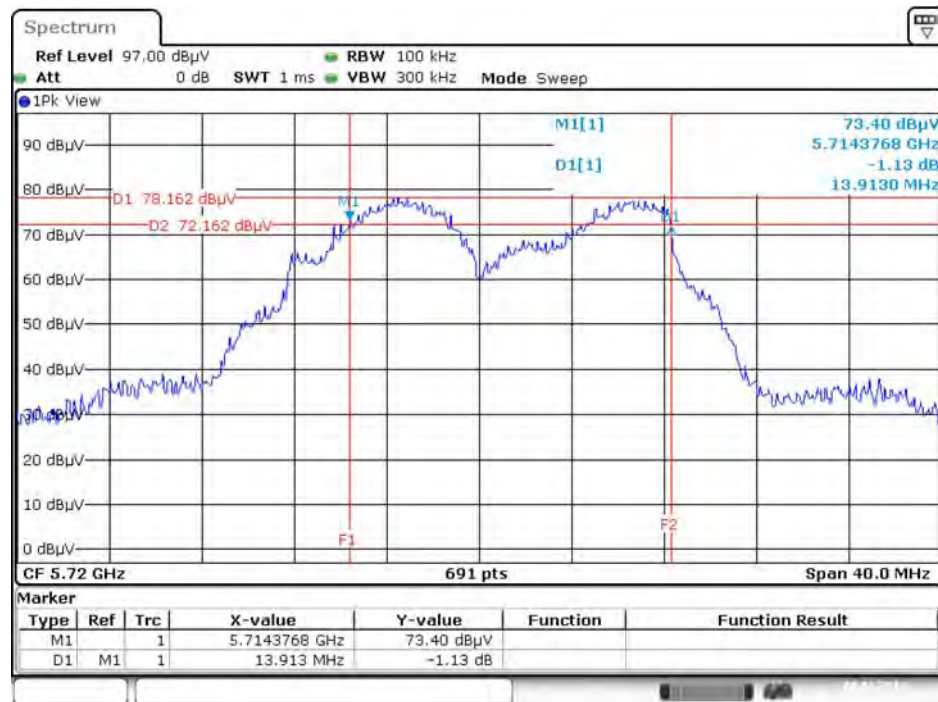
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



Date: 8.JAN.2016 15:51:28

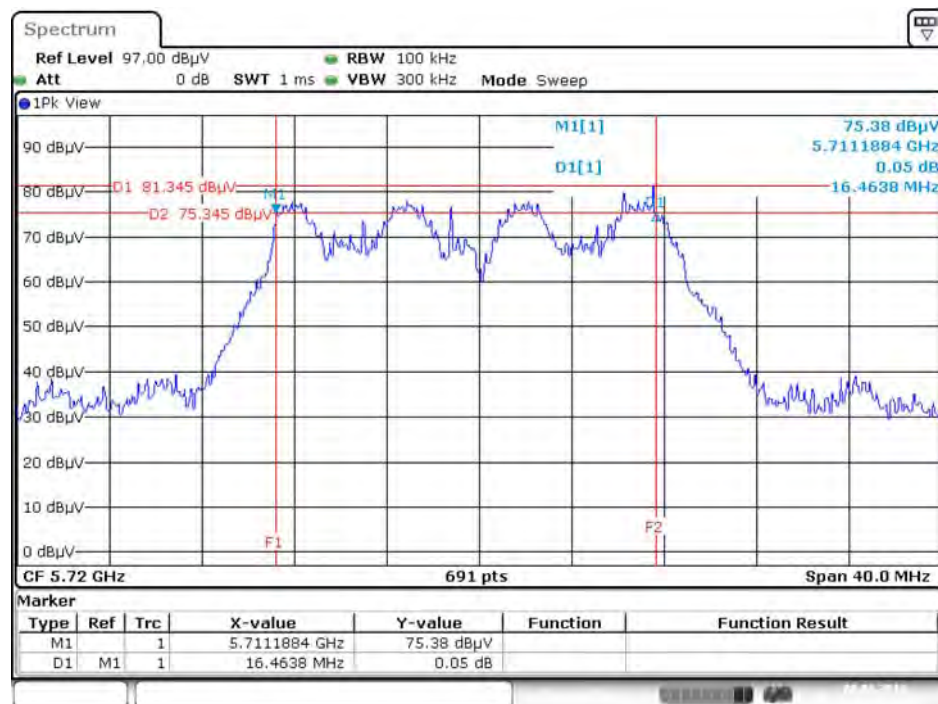
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



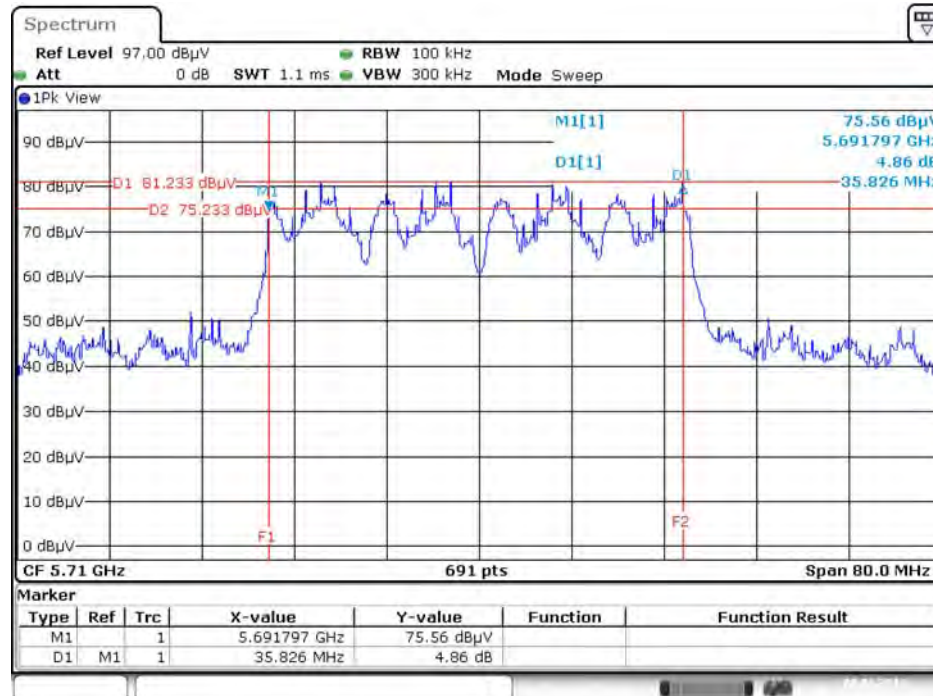
Date: 8.JAN.2016 15:48:53

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



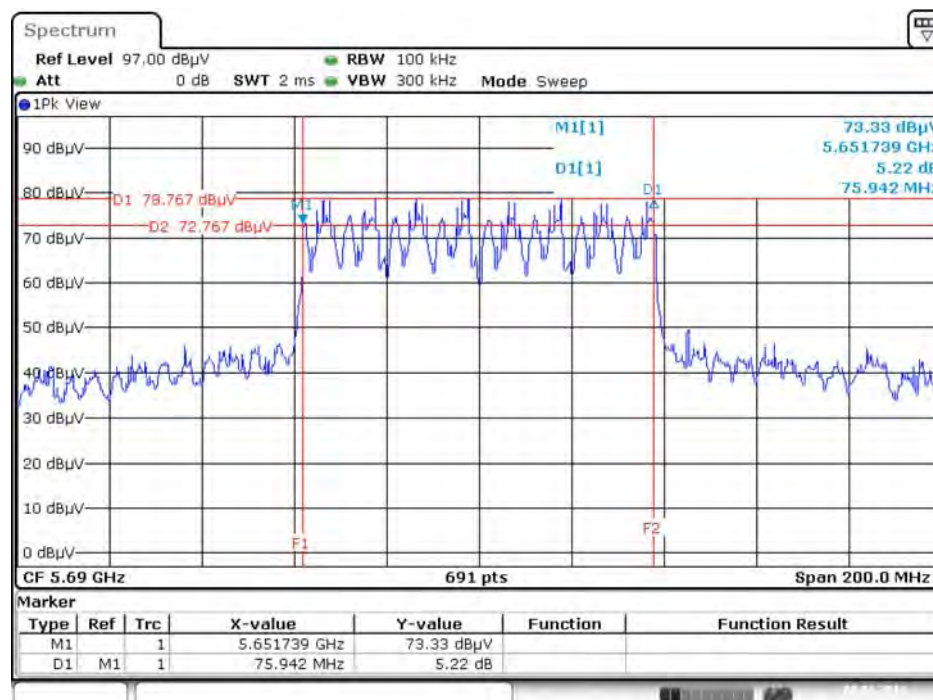
Date: 8.JAN.2016 15:48:35

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 8 JAN 2016 15:48:12

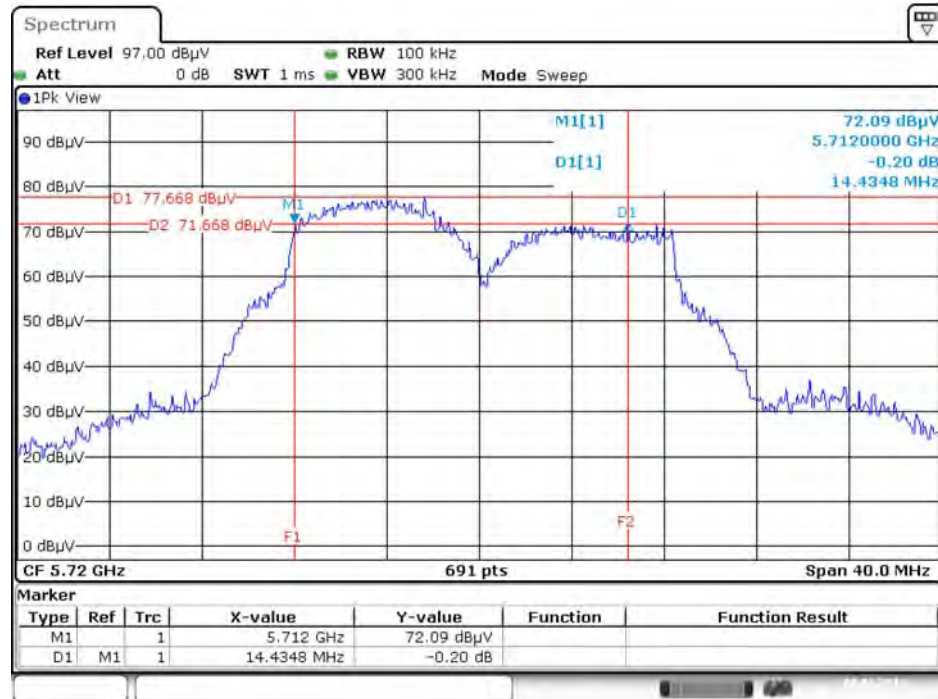
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 8 JAN 2016 15:47:43

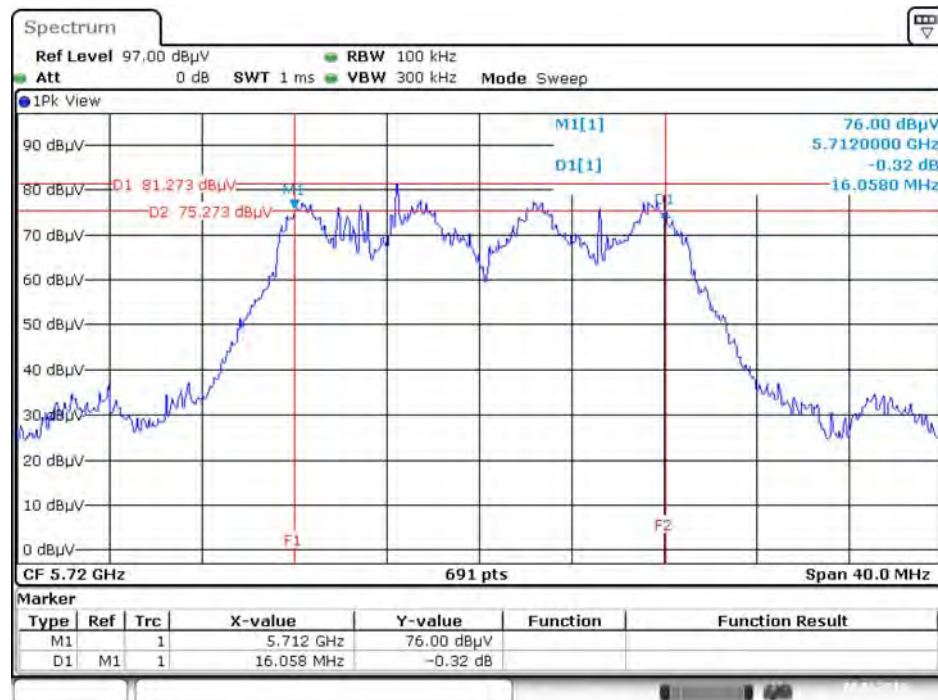
Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



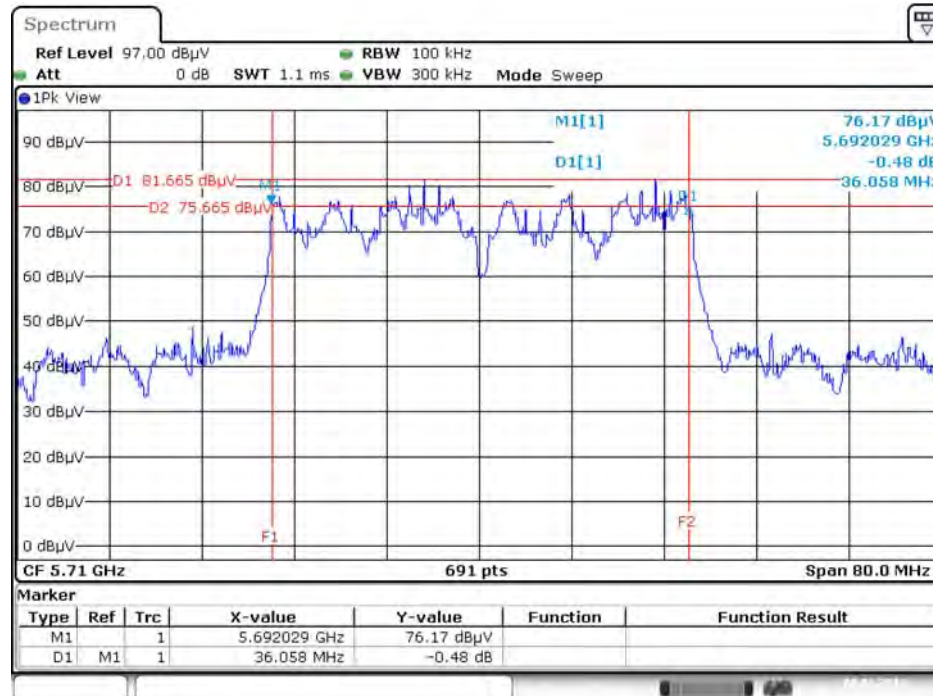
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6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



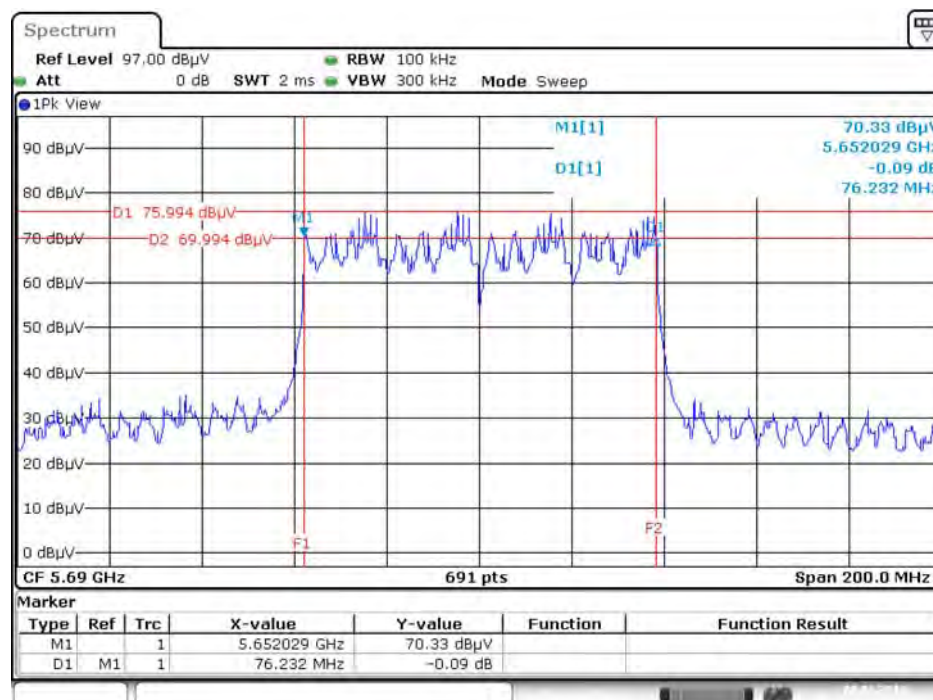
Date: 8.JAN.2016 15:34:28

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 8 JAN 2016 15:33:51

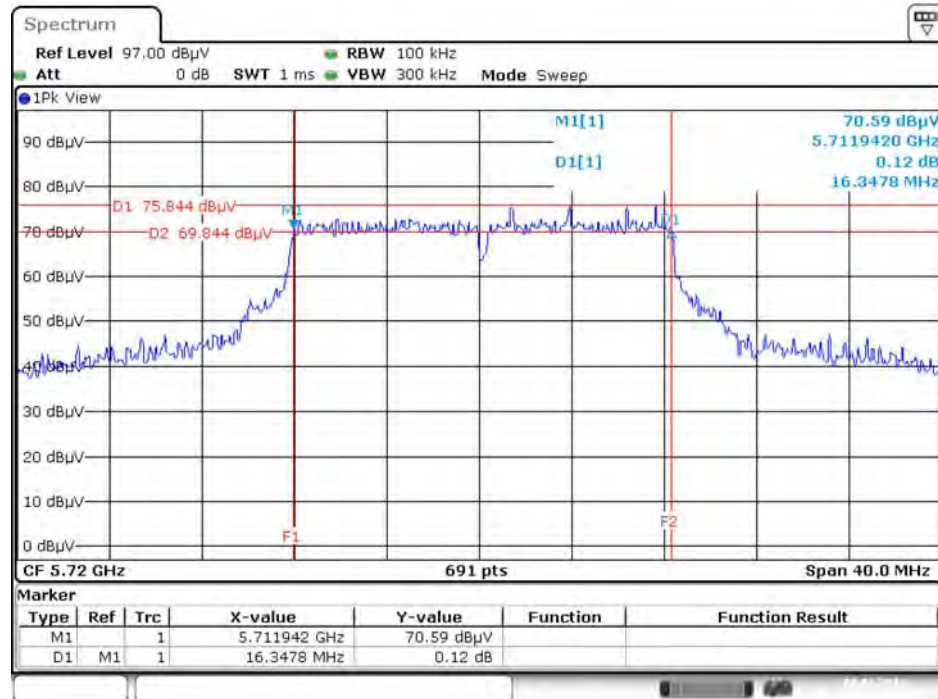
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8 JAN 2016 15:33:20

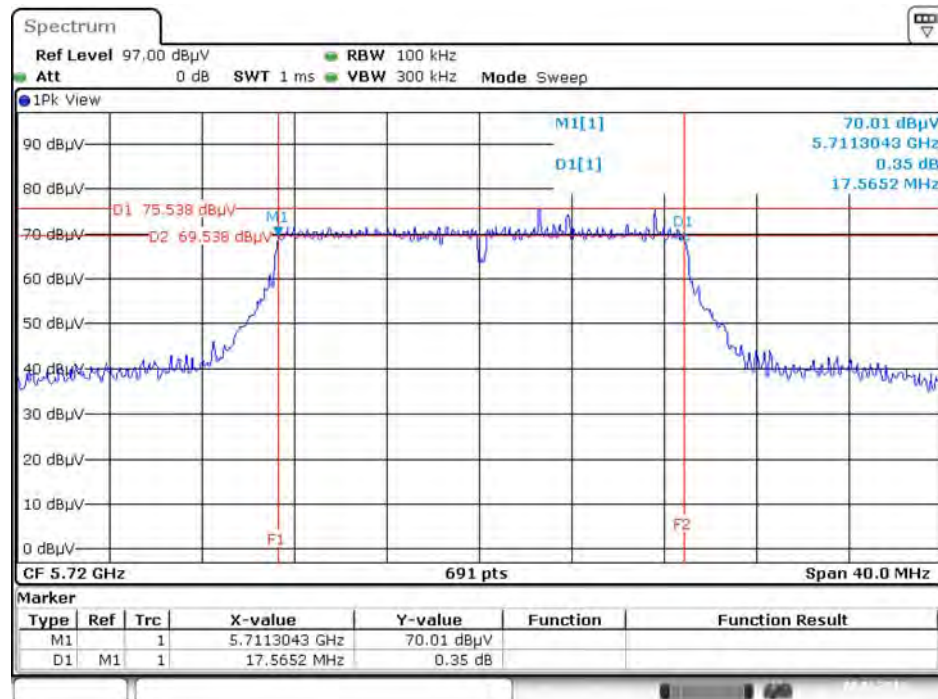
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



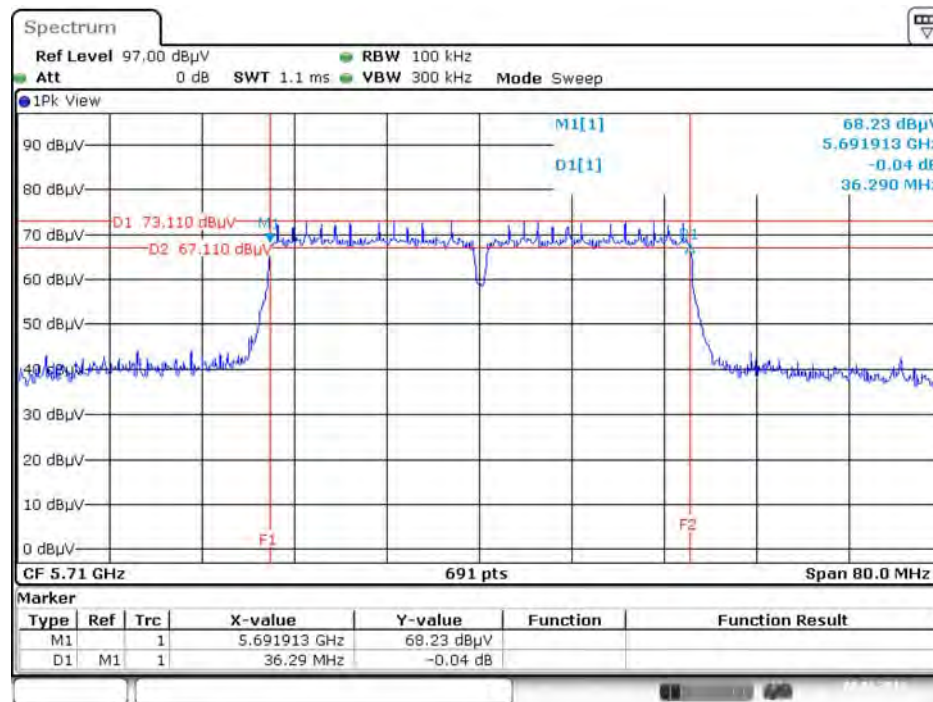
Date: 8.JAN.2016 15:55:15

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz

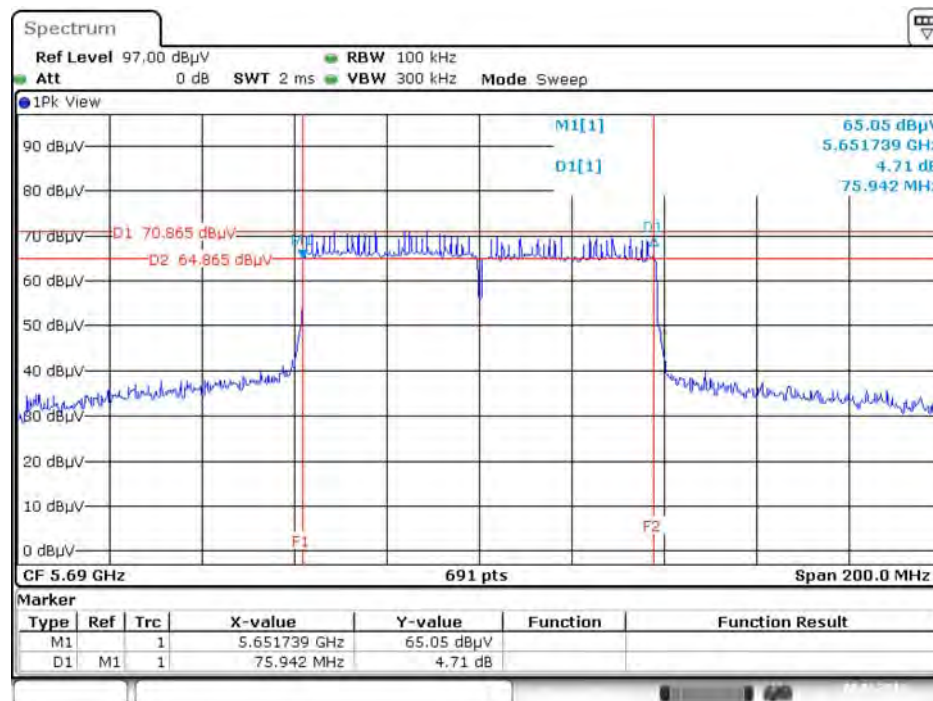


Date: 8.JAN.2016 15:55:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz

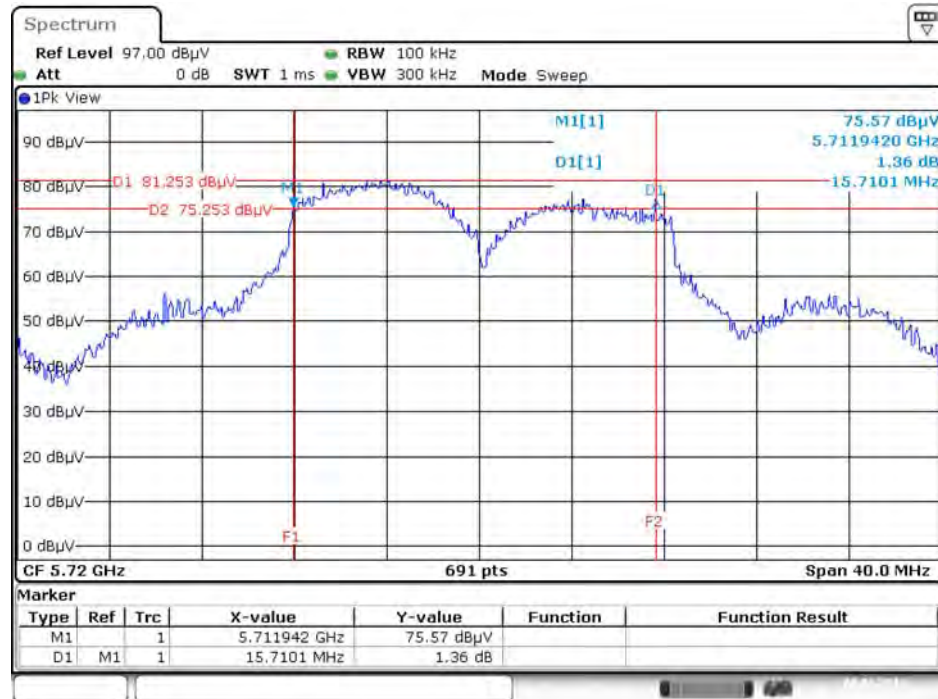


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



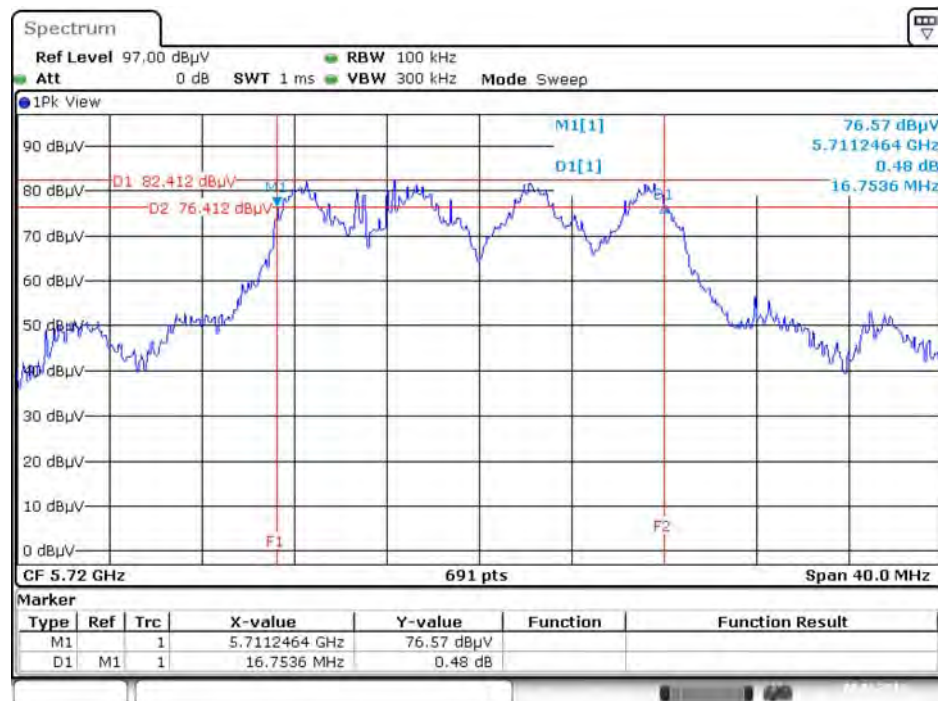
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



Date: 8.JAN.2016 15:53:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz



Date: 8.JAN.2016 15:50:40



Spectrum

Ref Level 97.00 dBμV RBW 100 kHz
Att 0 dB SWT 1.1 ms VBW 300 kHz Mode Sweep

1Pk View

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

CF 5.71 GHz 691 pts Span 80.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.691913 GHz	77.98 dBμV		
D1	M1	1	36.058 MHz	-0.38 dB		

Spectrum

Ref Level 97.00 dBμV RBW 100 kHz

Att 0 dB SWT 2 ms VBW 300 kHz Mode Sweep

1Pk View

90 dBμV

80 dBμV

70 dBμV

60 dBμV

50 dBμV

40 dBμV

30 dBμV

20 dBμV

10 dBμV

0 dBμV

M1

D1

F1

F2

D1 80.238 dBμV

D2 74.238 dBμV

74.94 dBμV

5.657536 GHz

4.05 dB

70.145 MHz

CF 5.69 GHz

691 pts

Span 200.0 MHz

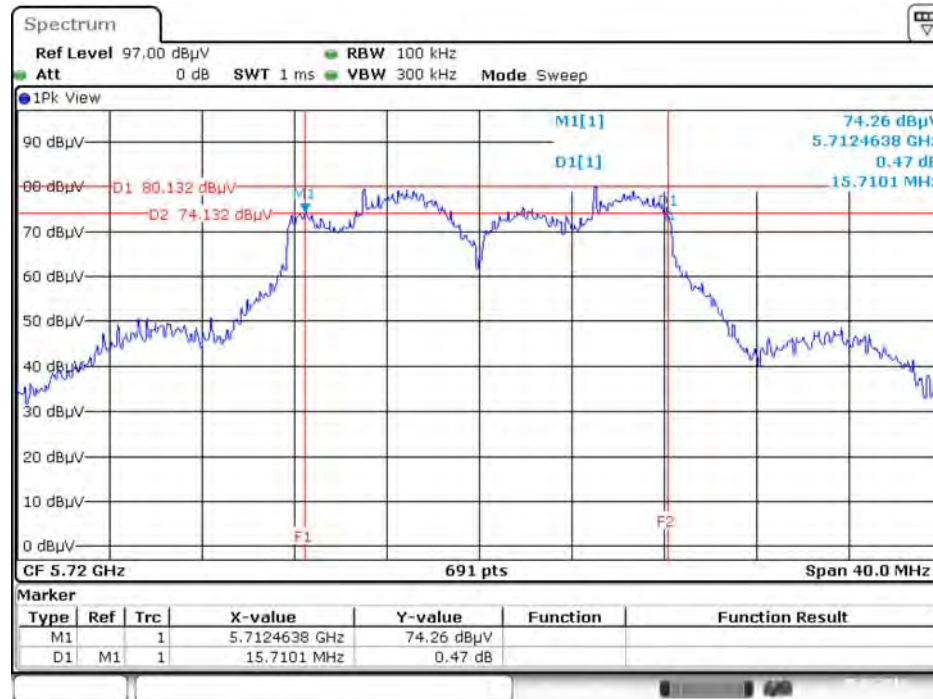
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.657536 GHz	74.94 dBμV		
D1	M1	1	70.145 MHz	4.05 dB		

Issued Date : Mar. 29, 2016

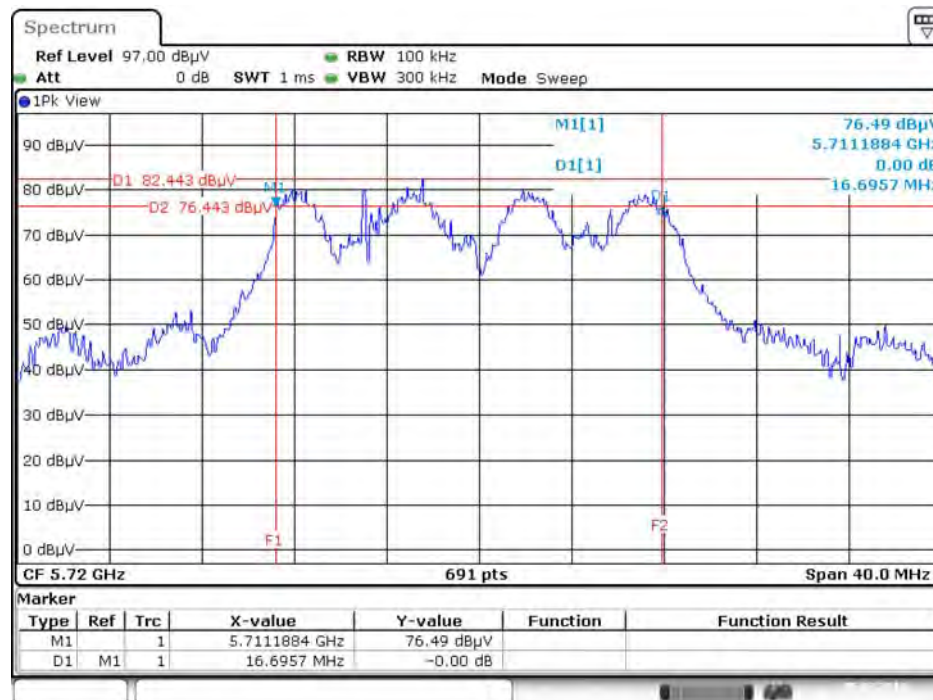
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



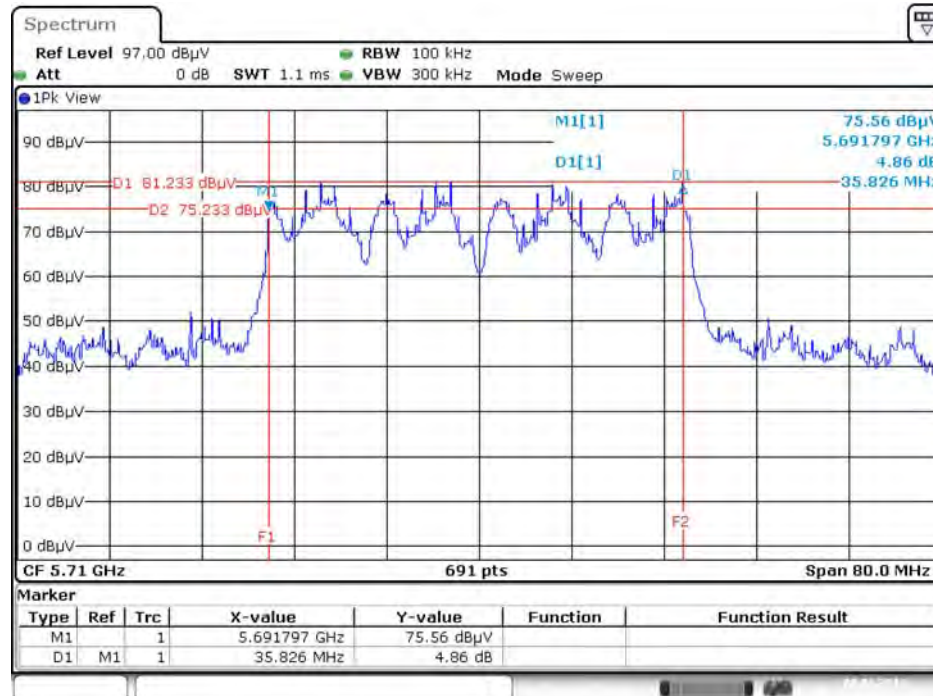
Date: 5.FEB.2016 15:48:52

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



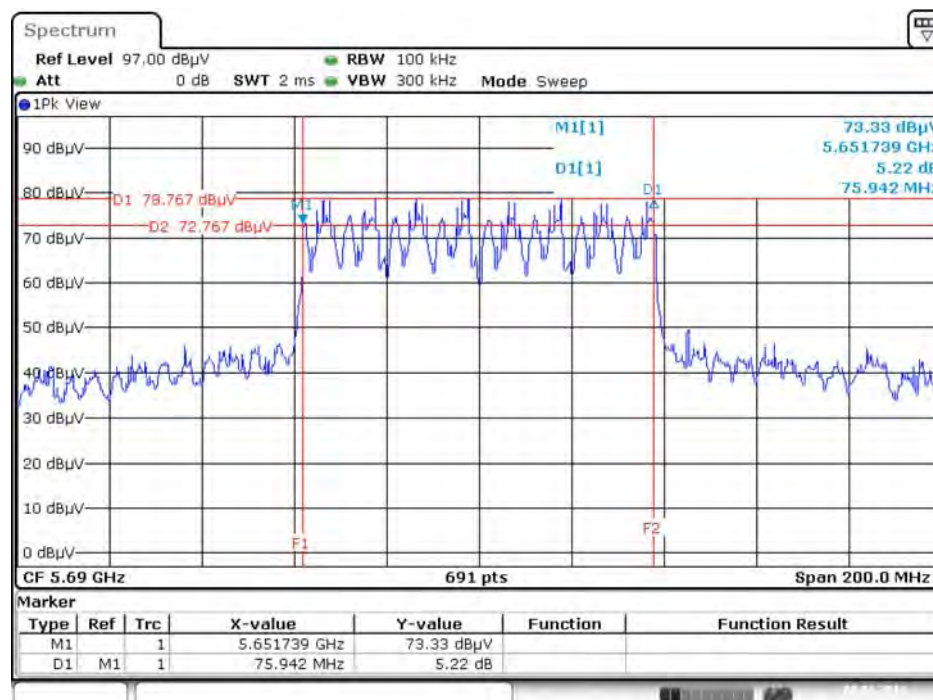
Date: 5.FEB.2016 15:50:58

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 8 JAN 2016 15:48:12

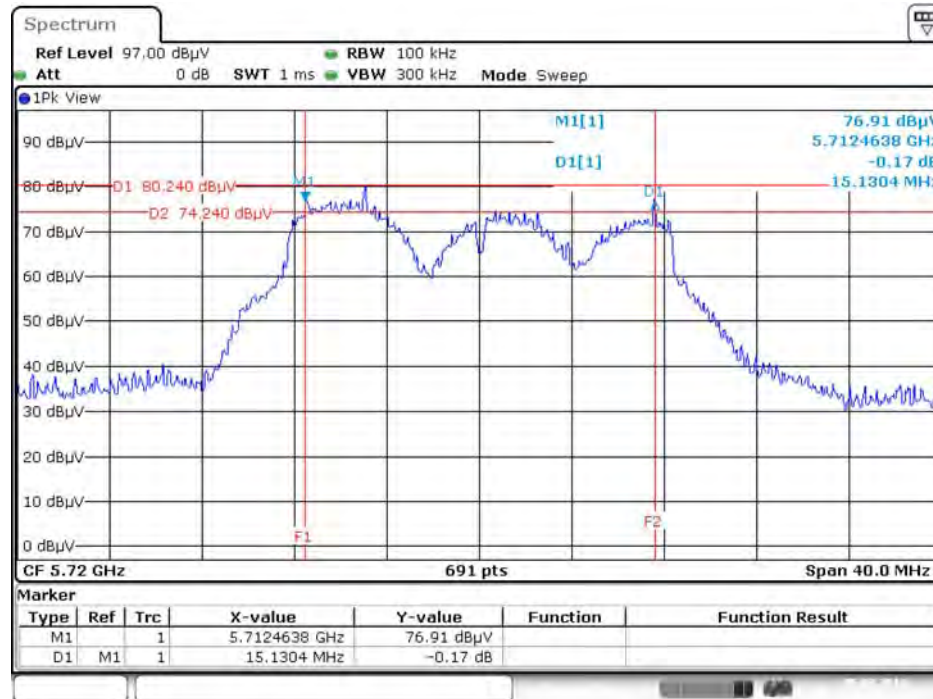
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 8 JAN 2016 15:47:43

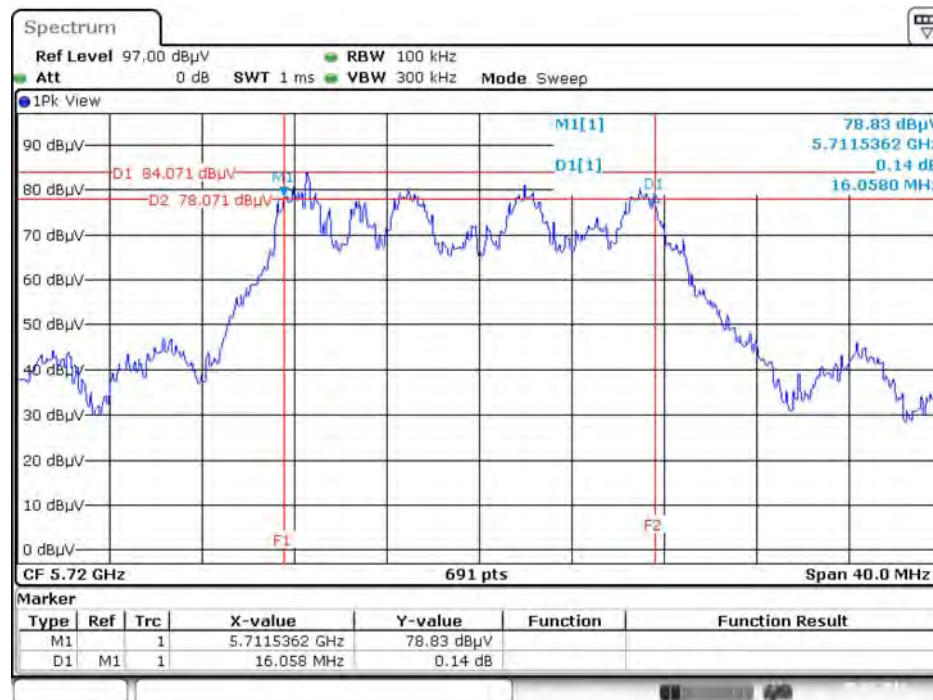
Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



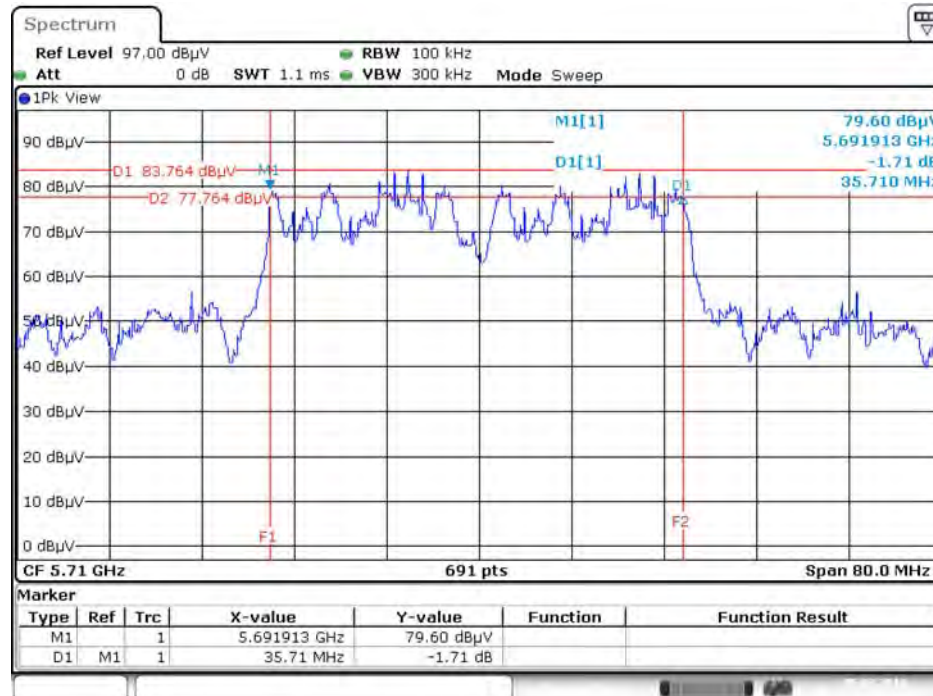
Date: 5.FEB.2016 15:54:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



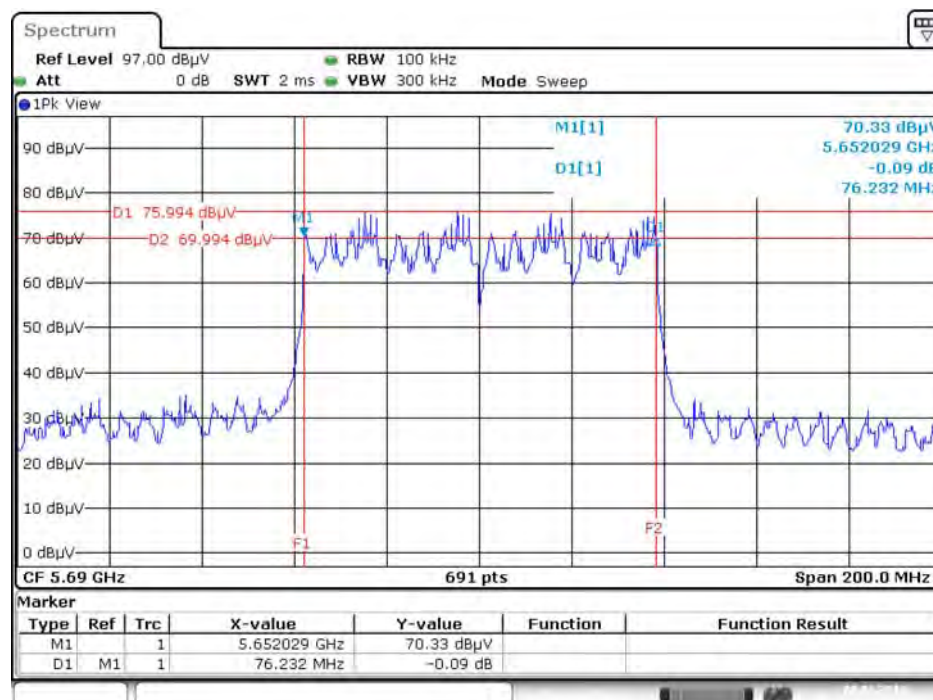
Date: 5.FEB.2016 15:56:25

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 5.FEB.2016 15:58:10

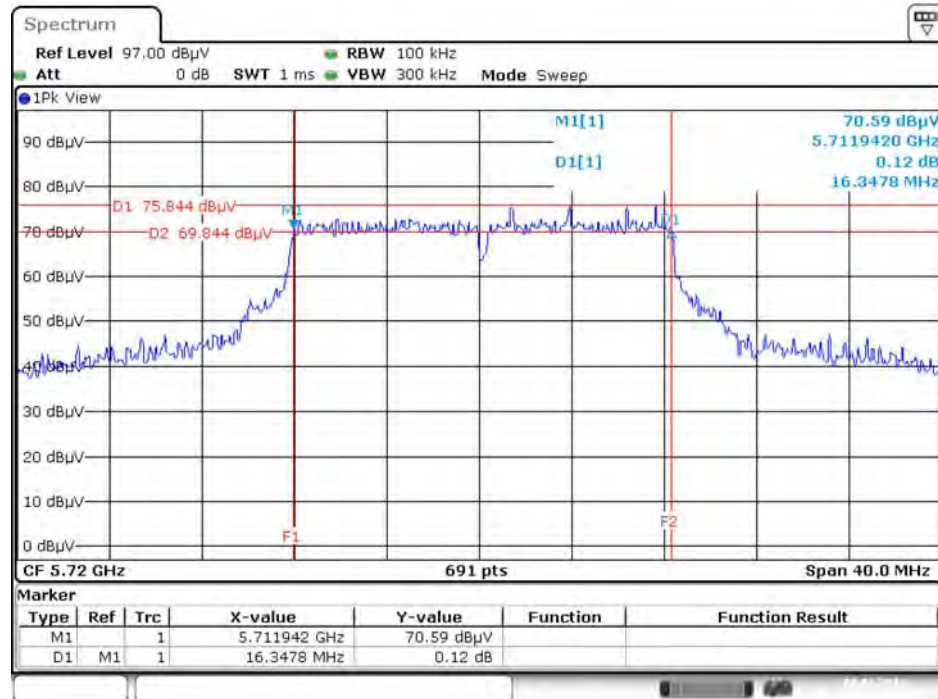
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 15:33:20

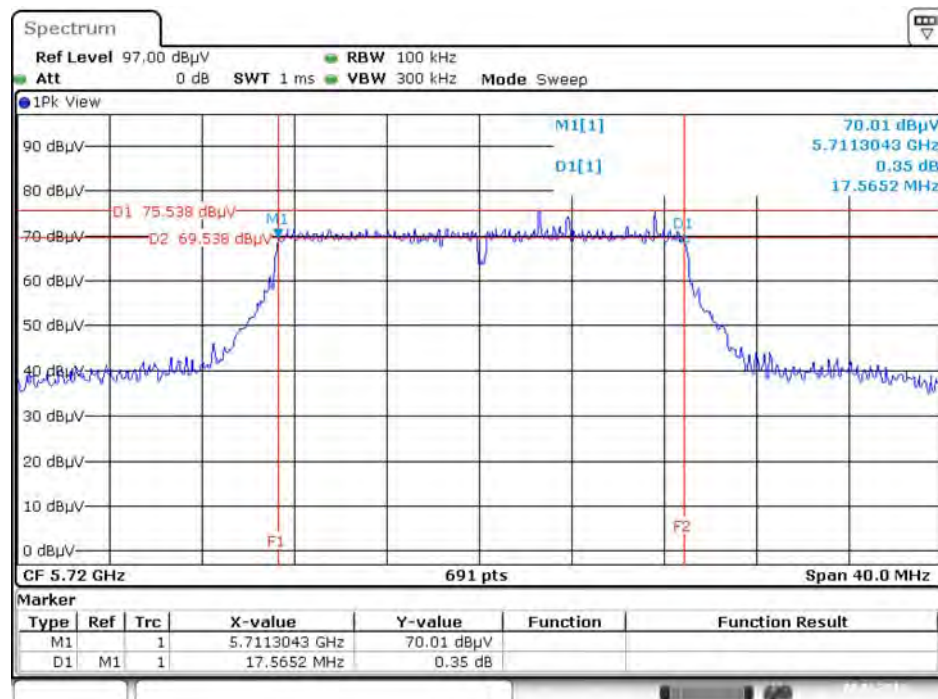
Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



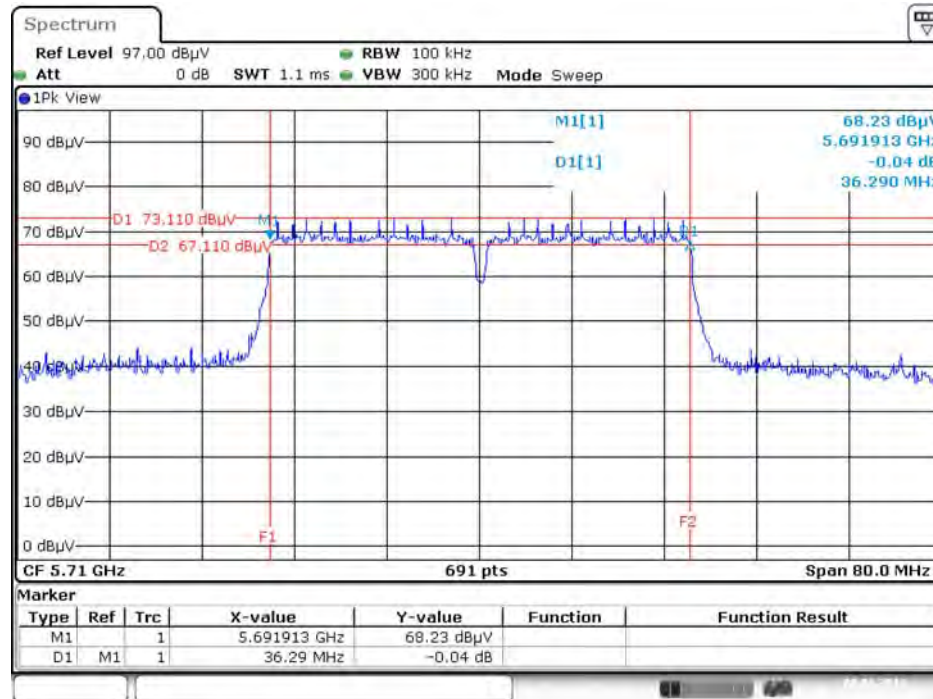
Date: 8.JAN.2016 15:55:15

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz



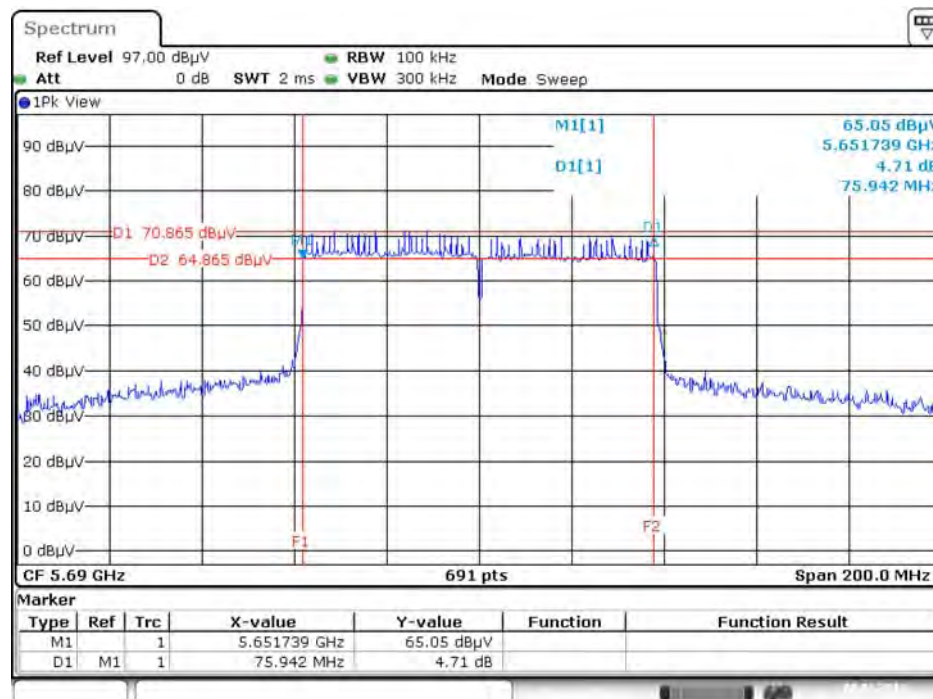
Date: 8.JAN.2016 15:55:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz



Date: 8.JAN.2016 15:56:24

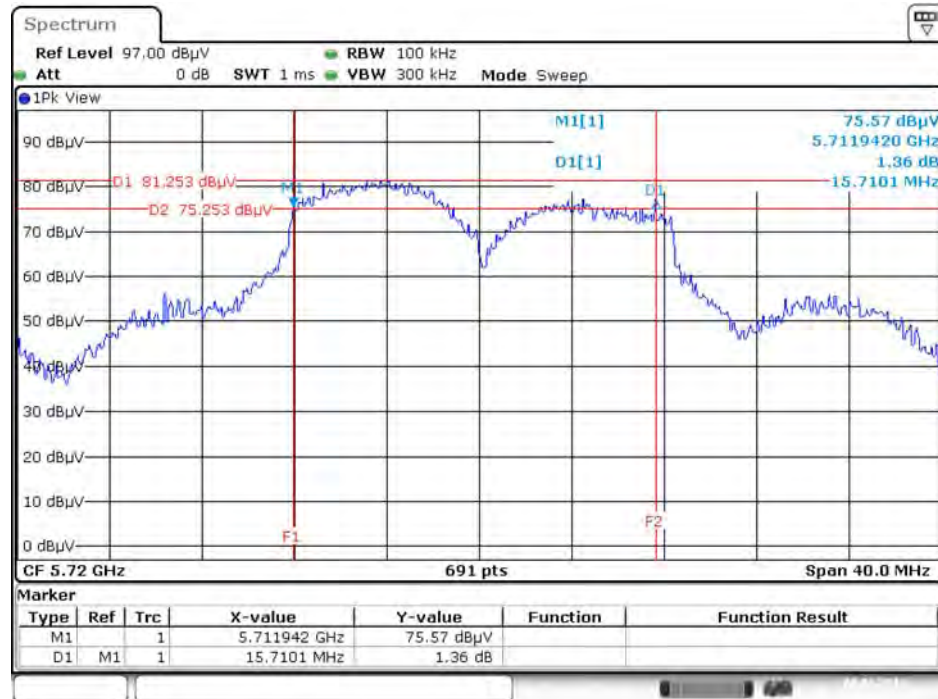
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



Date: 8.JAN.2016 15:56:50

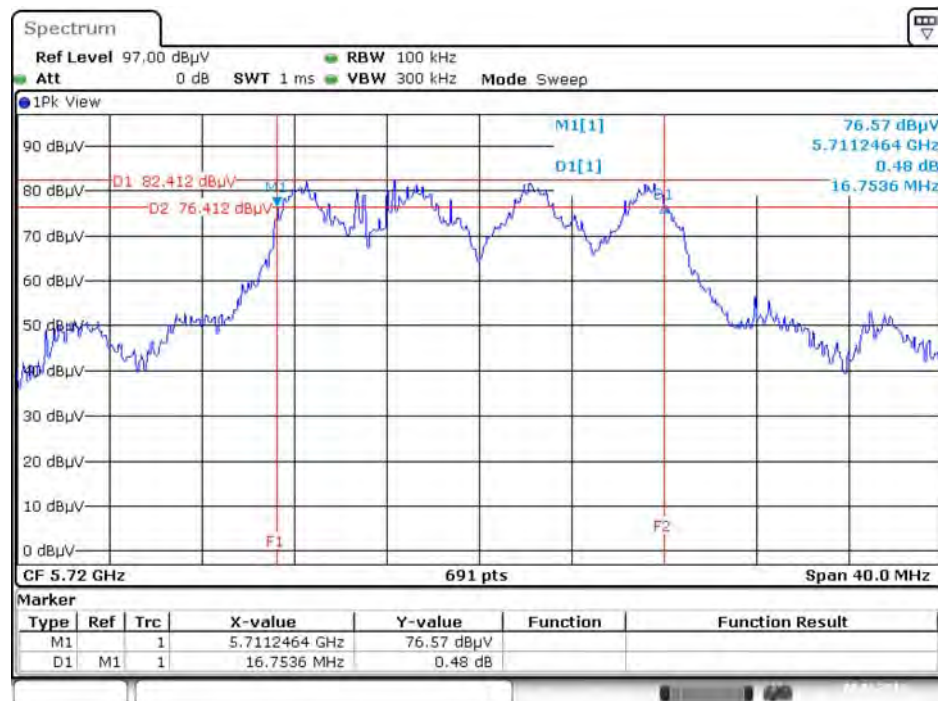
Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



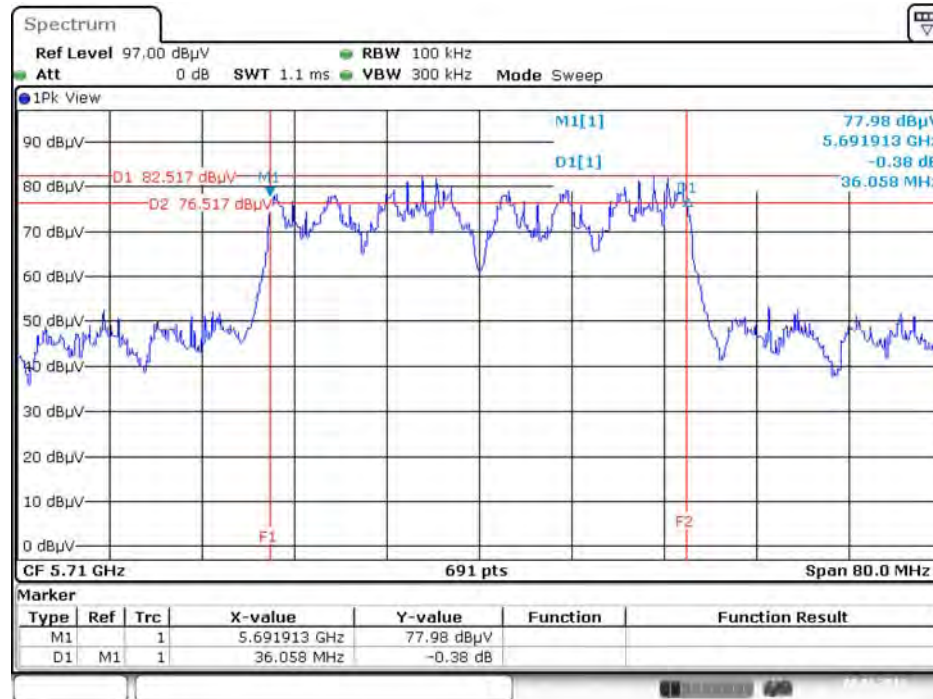
Date: 8.JAN.2016 15:53:31

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz



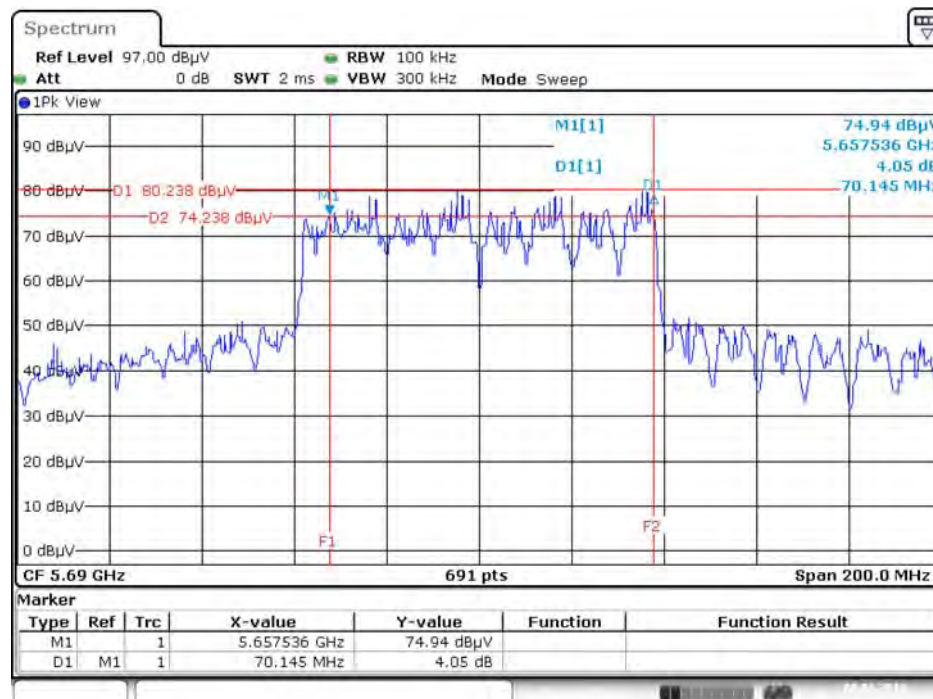
Date: 8.JAN.2016 15:50:40

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 15:51:04

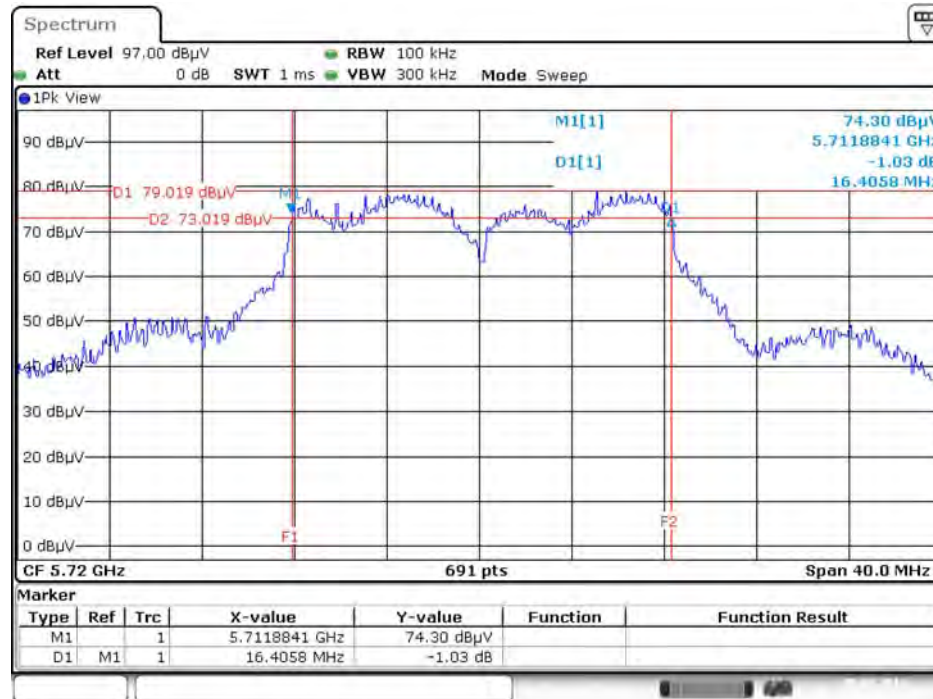
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



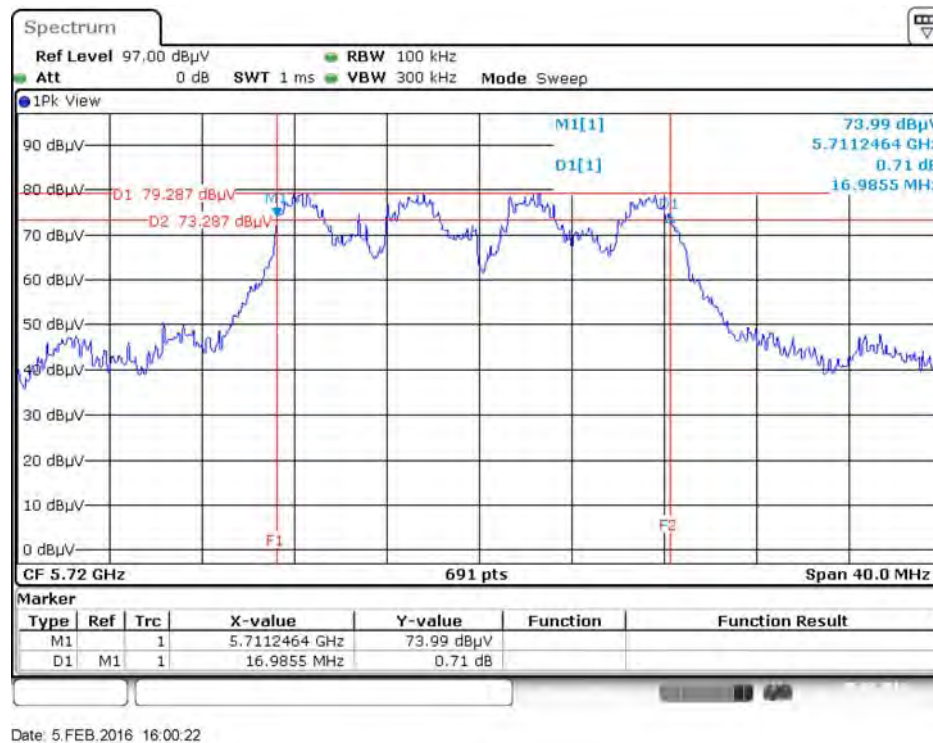
Date: 8.JAN.2016 15:51:28

Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)

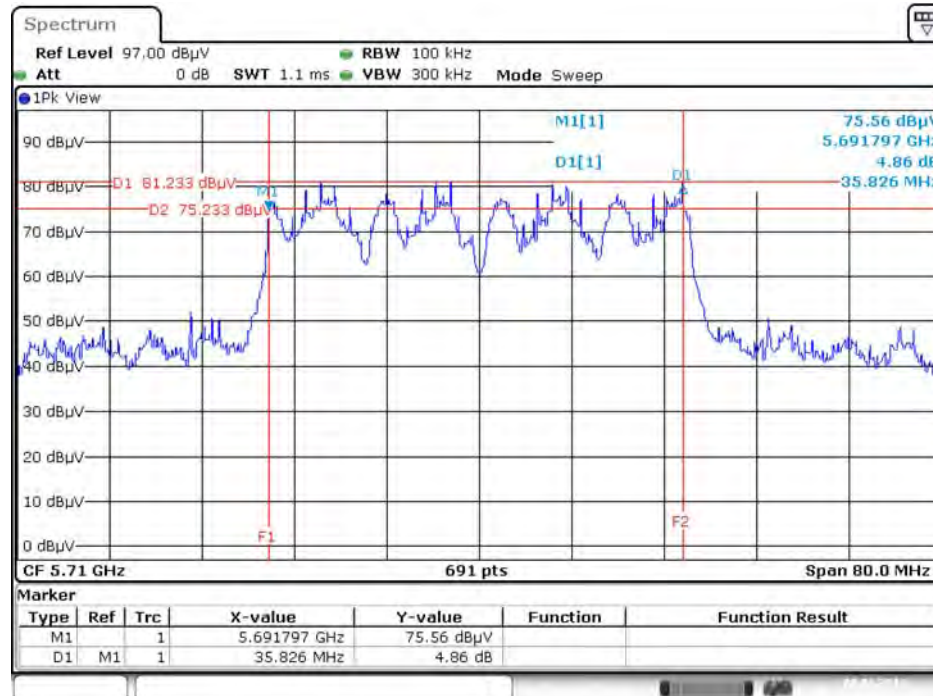
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz

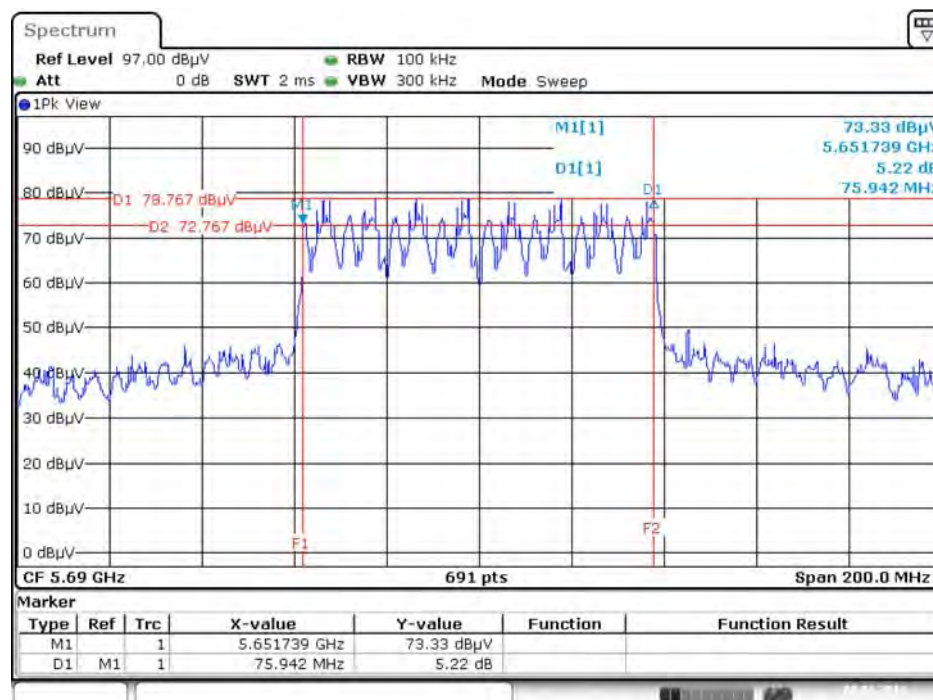


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 8 JAN 2016 15:48:12

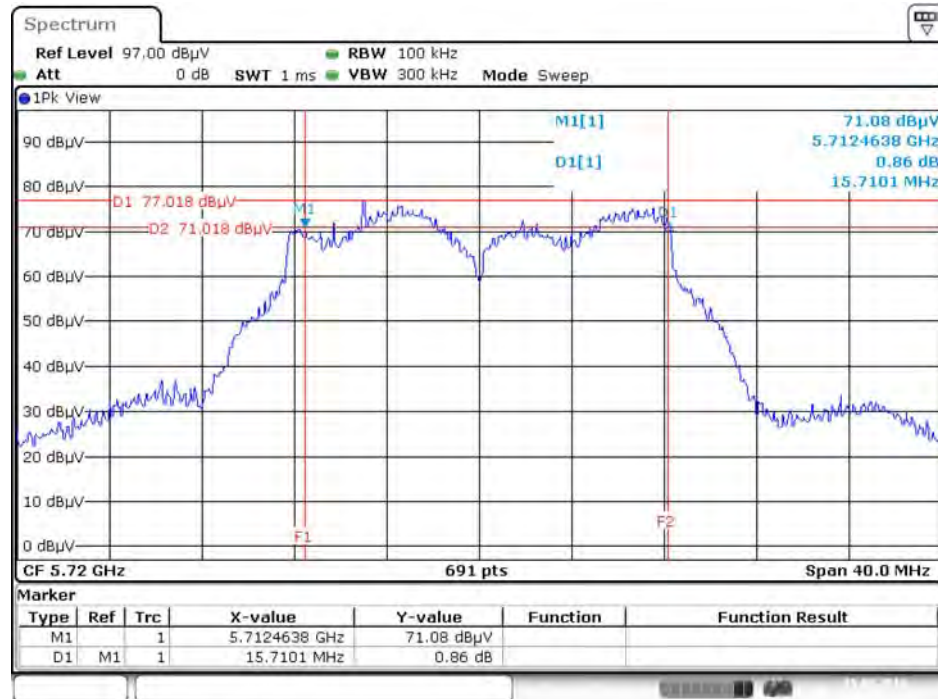
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 8 JAN 2016 15:47:43

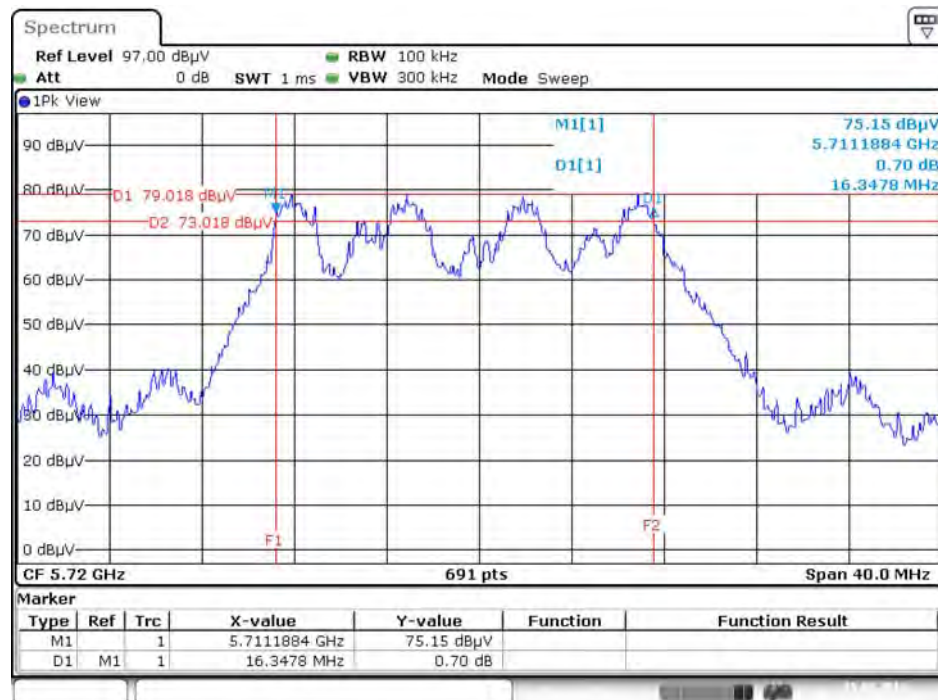
Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



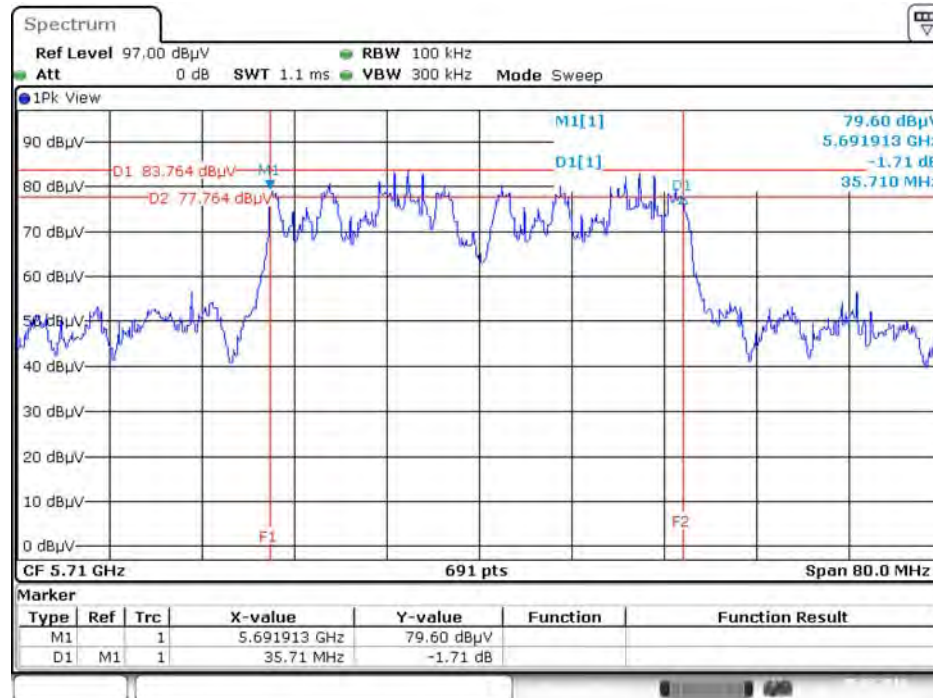
Date: 15.FEB.2016 09:50:30

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



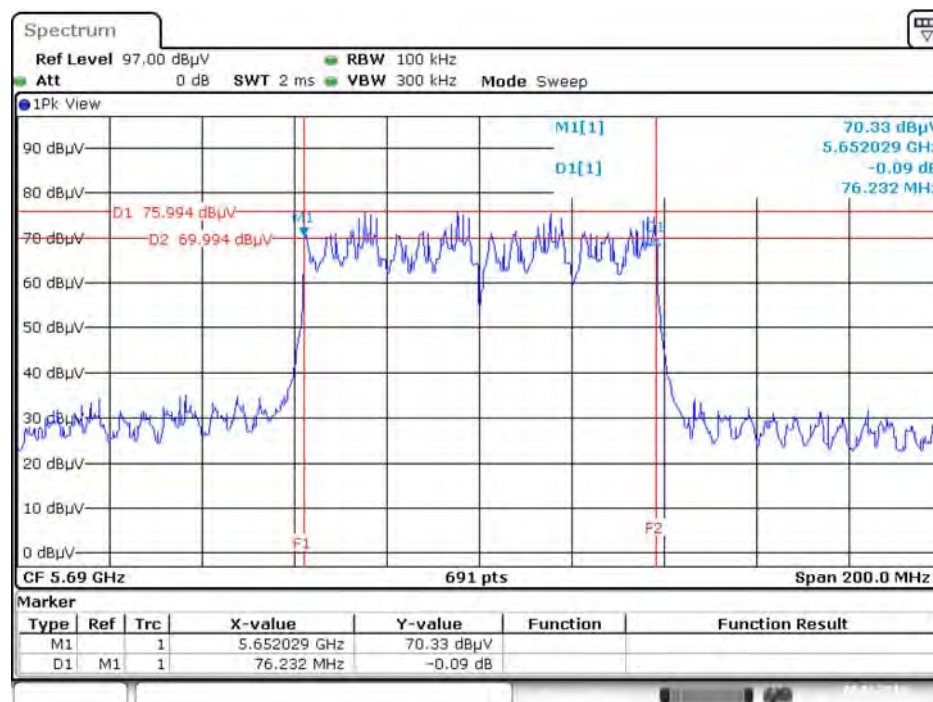
Date: 15.FEB.2016 09:51:26

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 5.FEB.2016 15:58:10

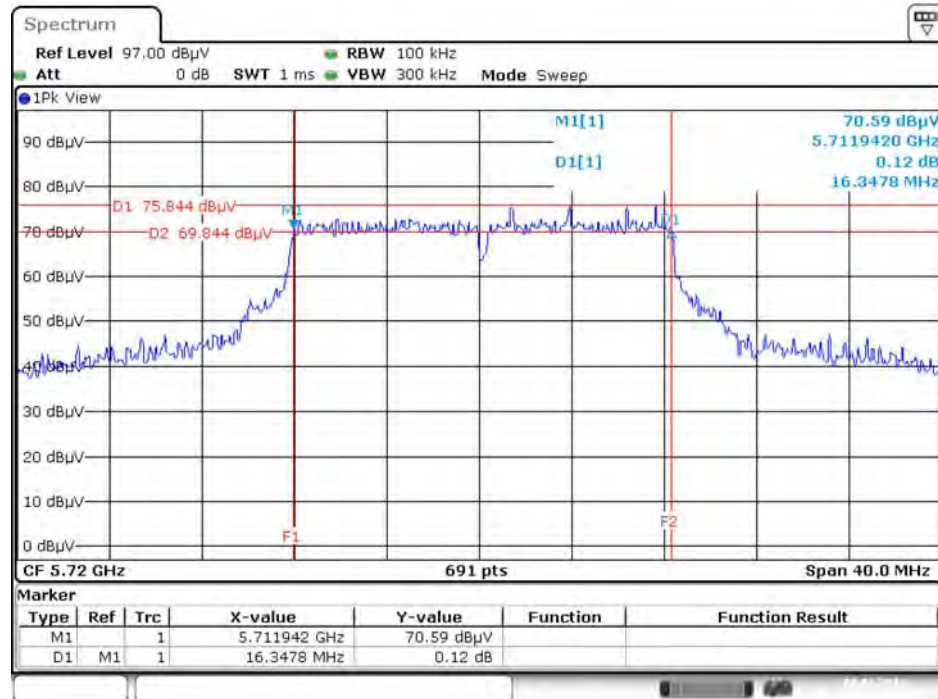
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



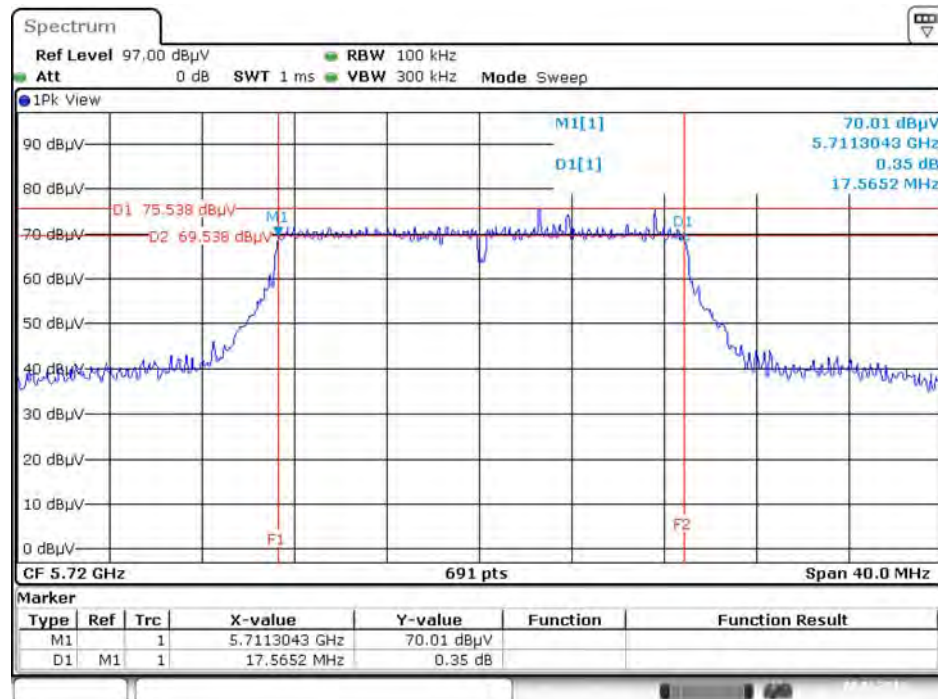
Date: 8.JAN.2016 15:33:20

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)

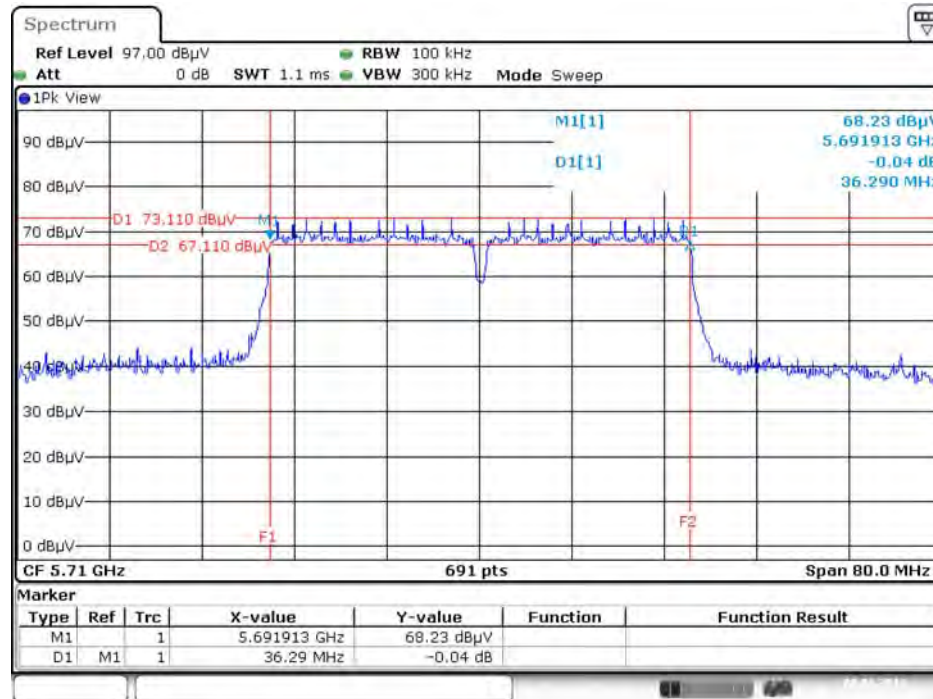
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz

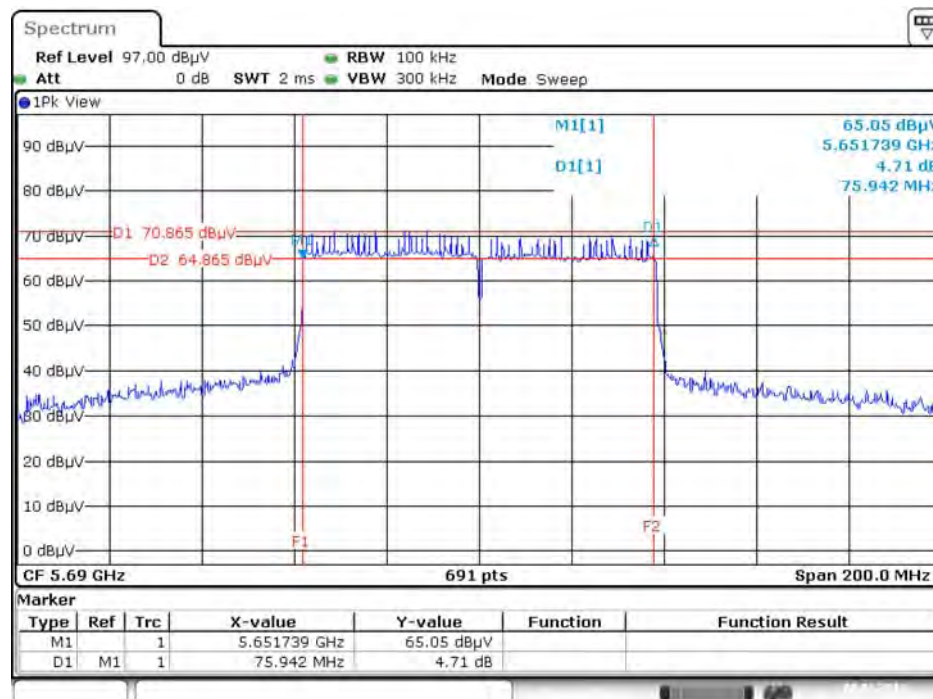


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz



Date: 8.JAN.2016 15:56:24

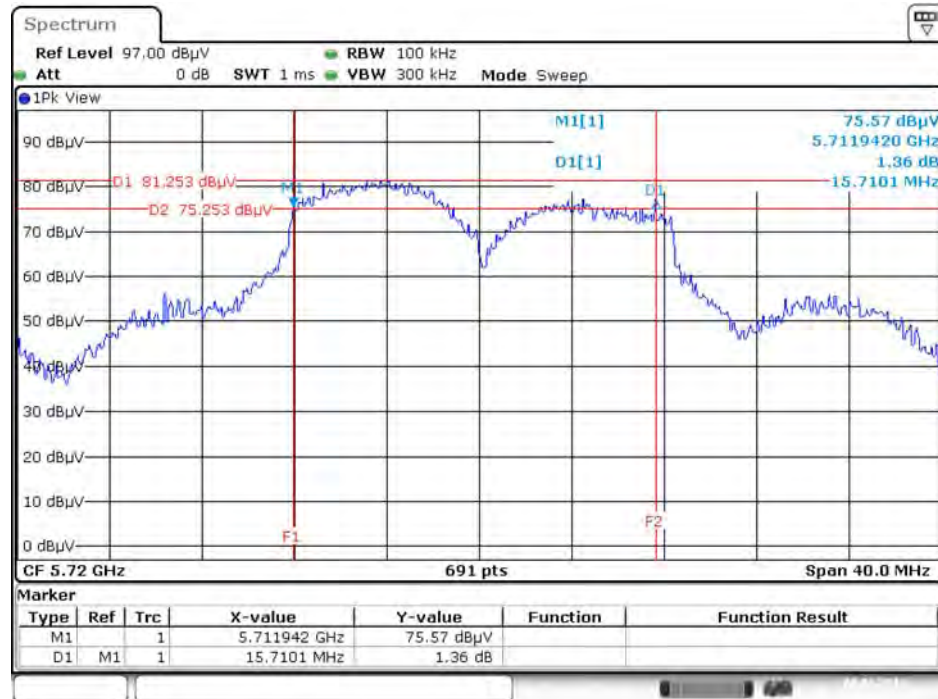
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



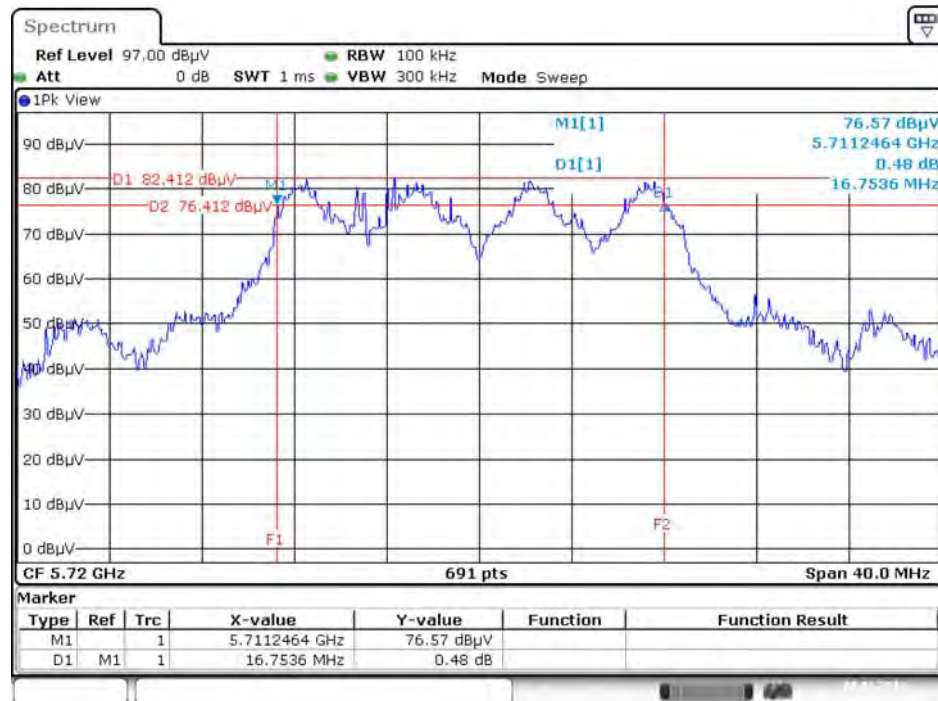
Date: 8.JAN.2016 15:56:50

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)

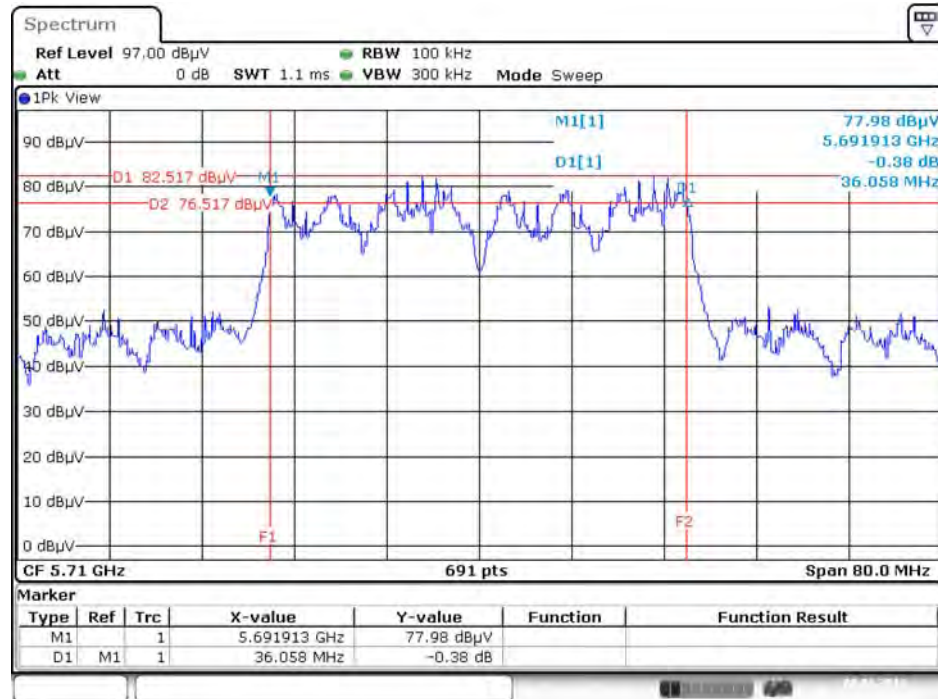
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz

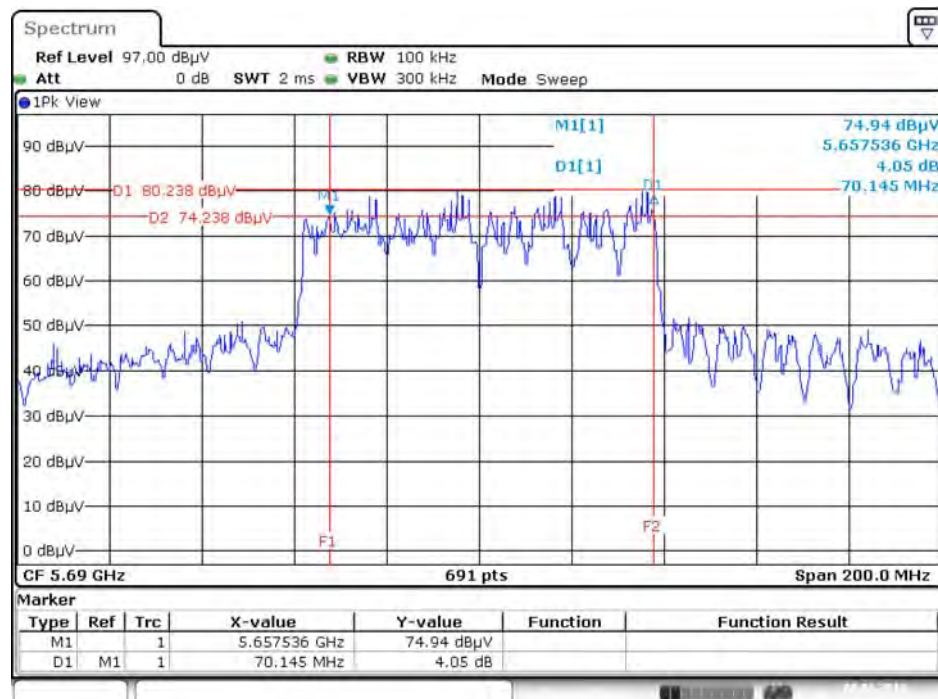


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 15:51:04

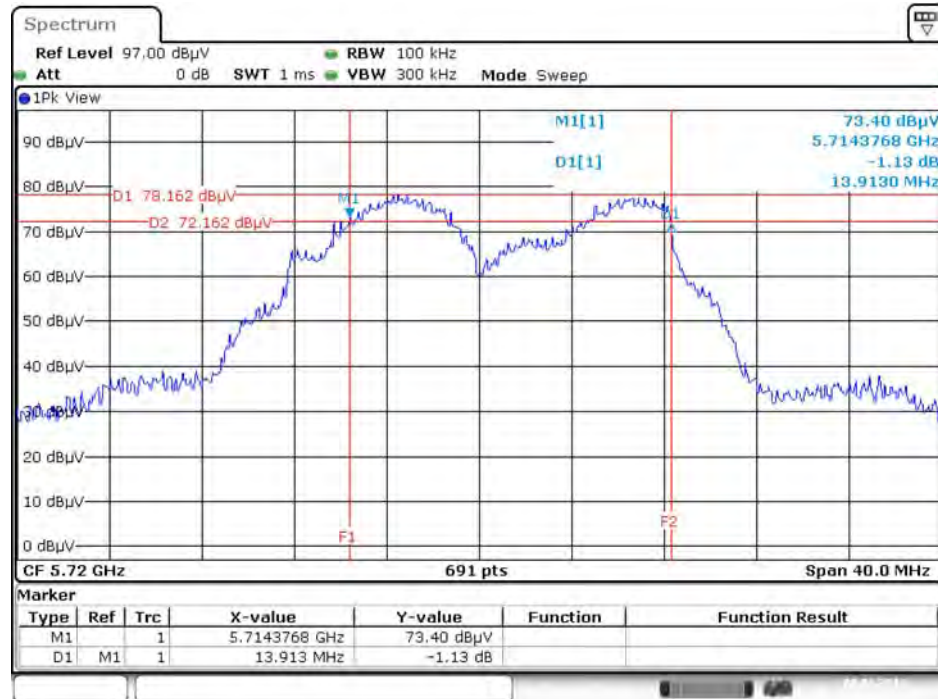
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



Date: 8.JAN.2016 15:51:28

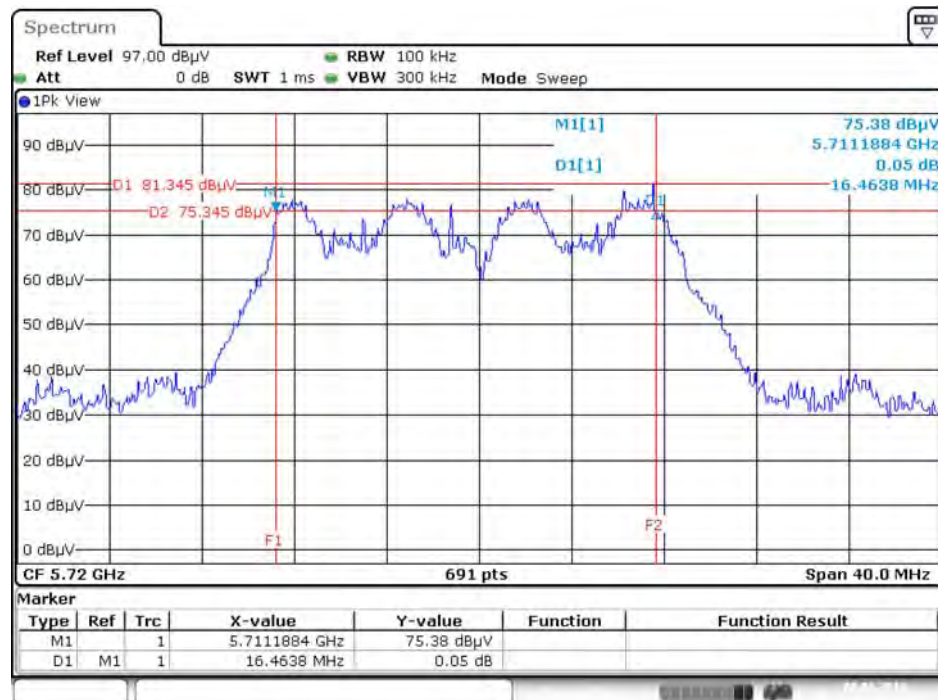
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



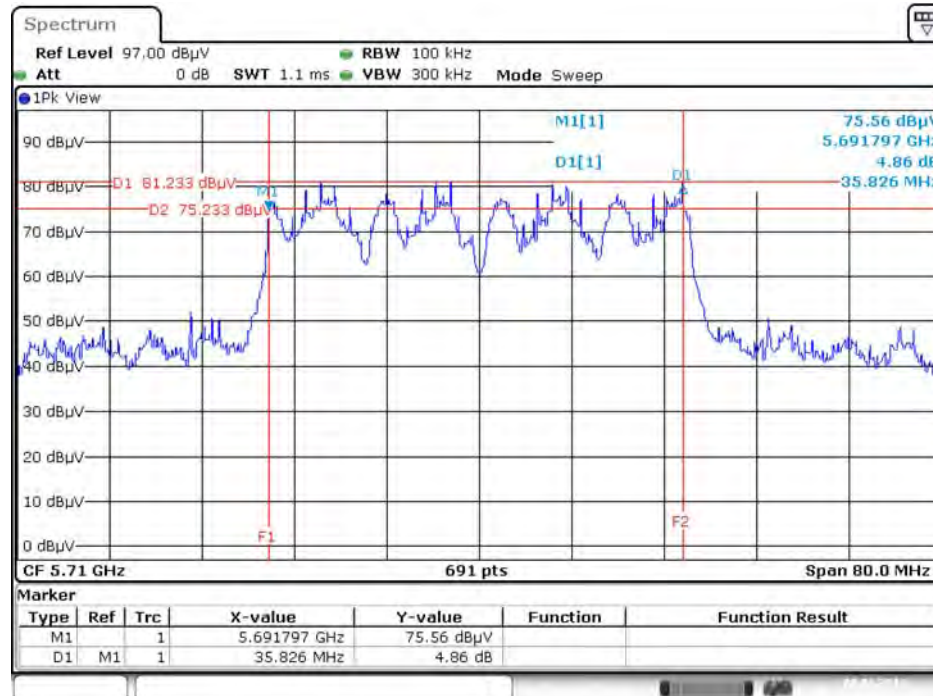
Date: 8.JAN.2016 15:48:53

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



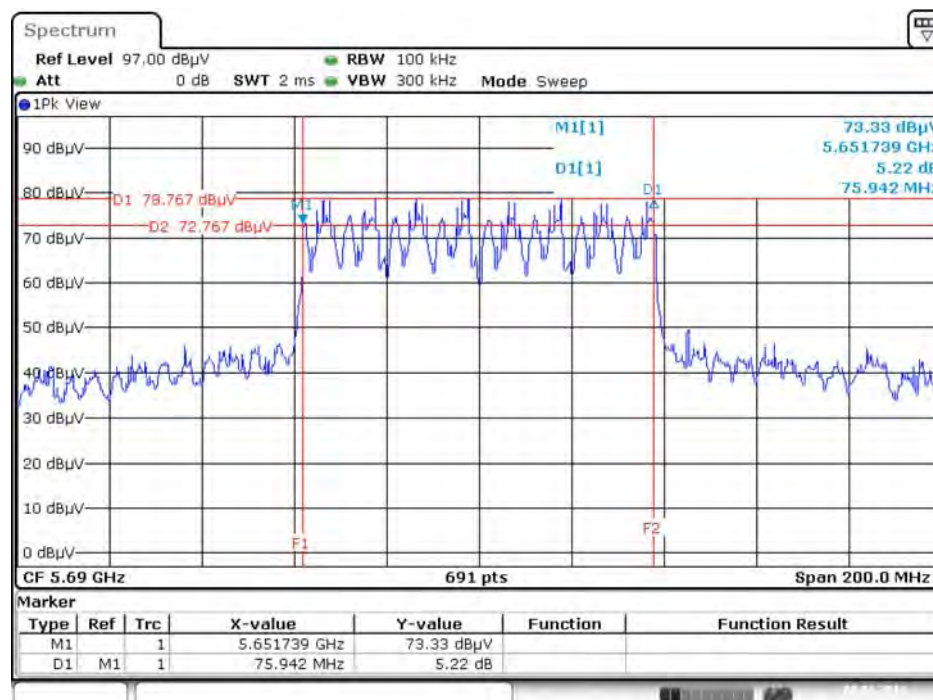
Date: 8.JAN.2016 15:48:35

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 8 JAN 2016 15:48:12

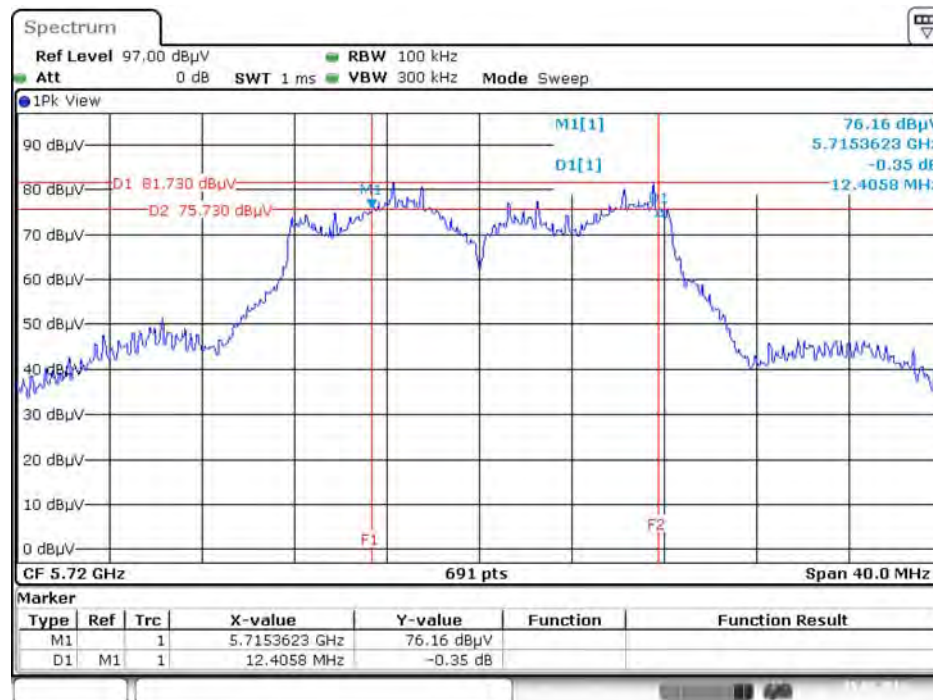
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 8 JAN 2016 15:47:43

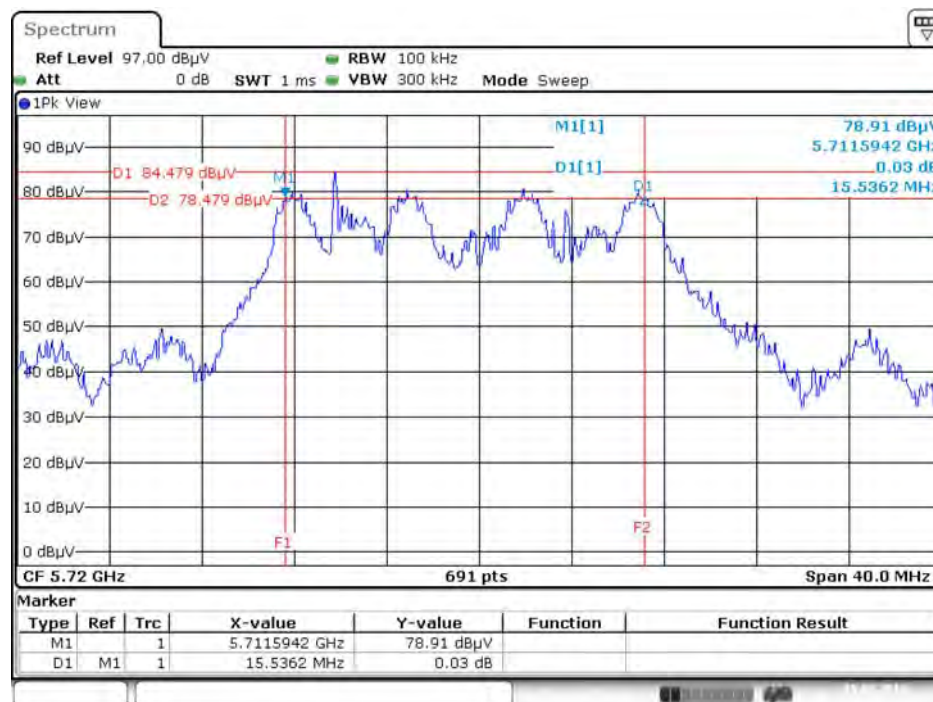
Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



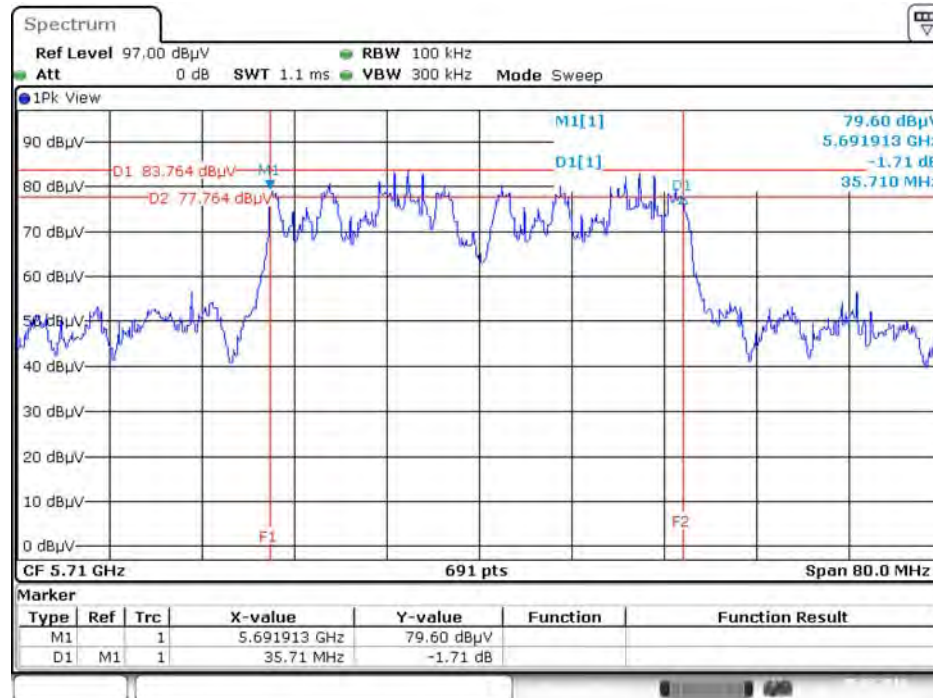
Date: 15.FEB.2016 10:04:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



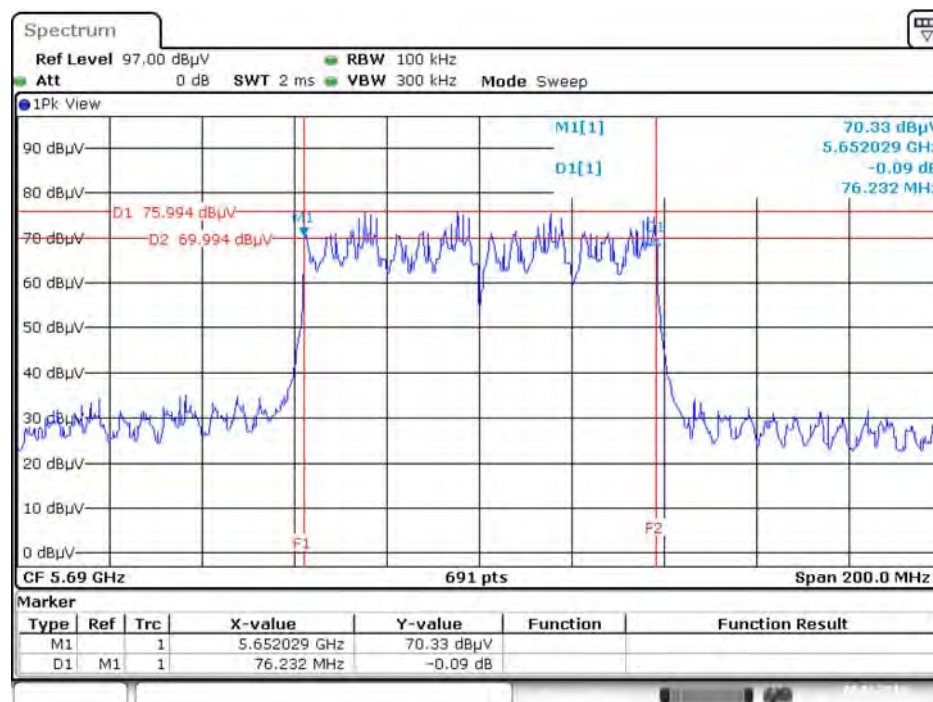
Date: 15.FEB.2016 10:06:21

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 5.FEB.2016 15:58:10

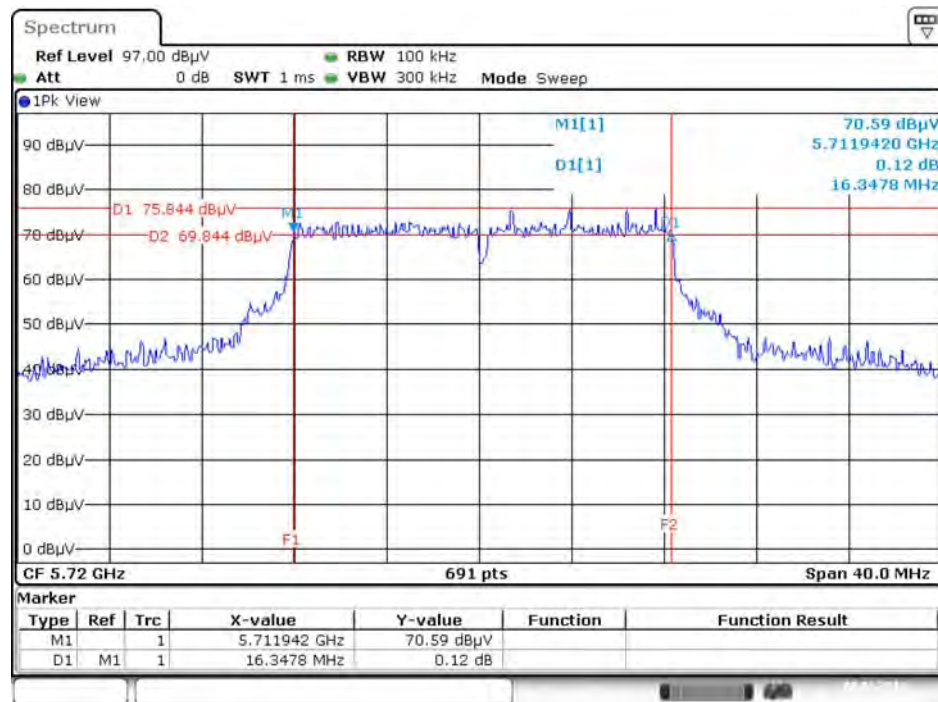
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 15:33:20

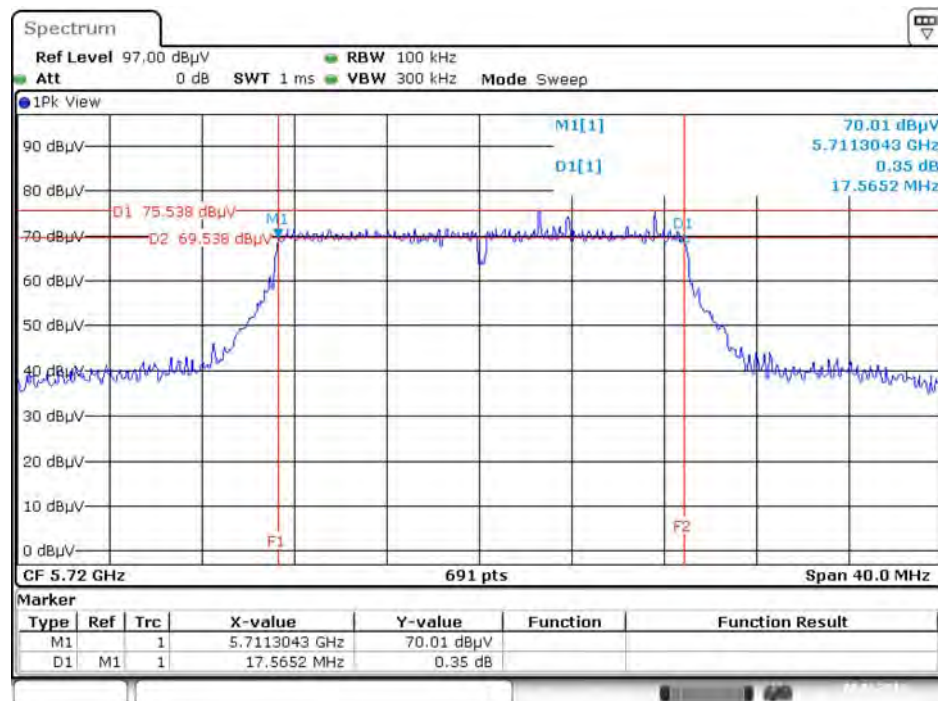
Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



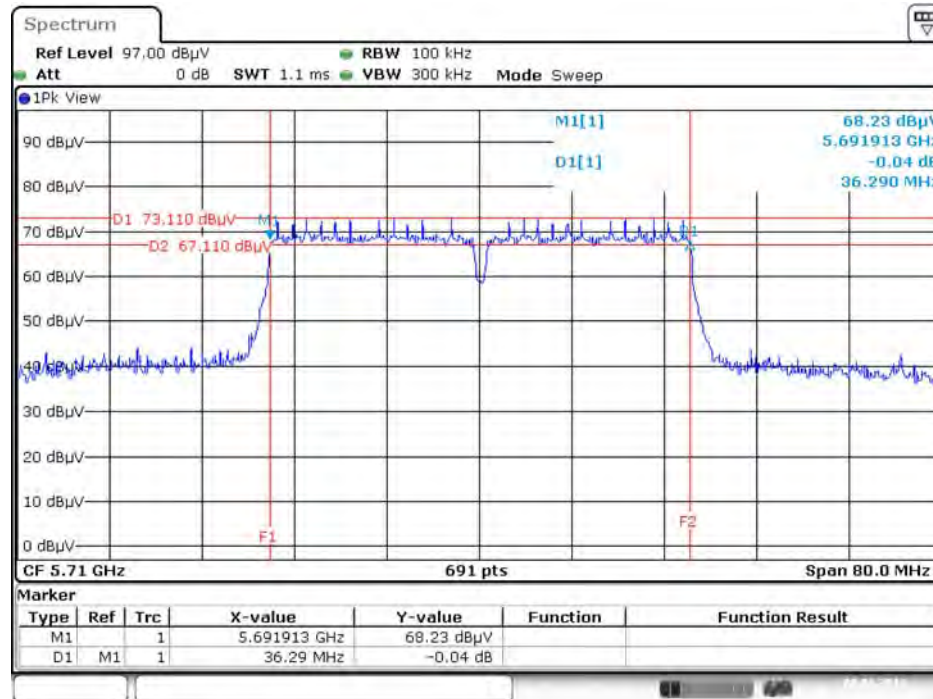
Date: 8.JAN.2016 15:55:15

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz



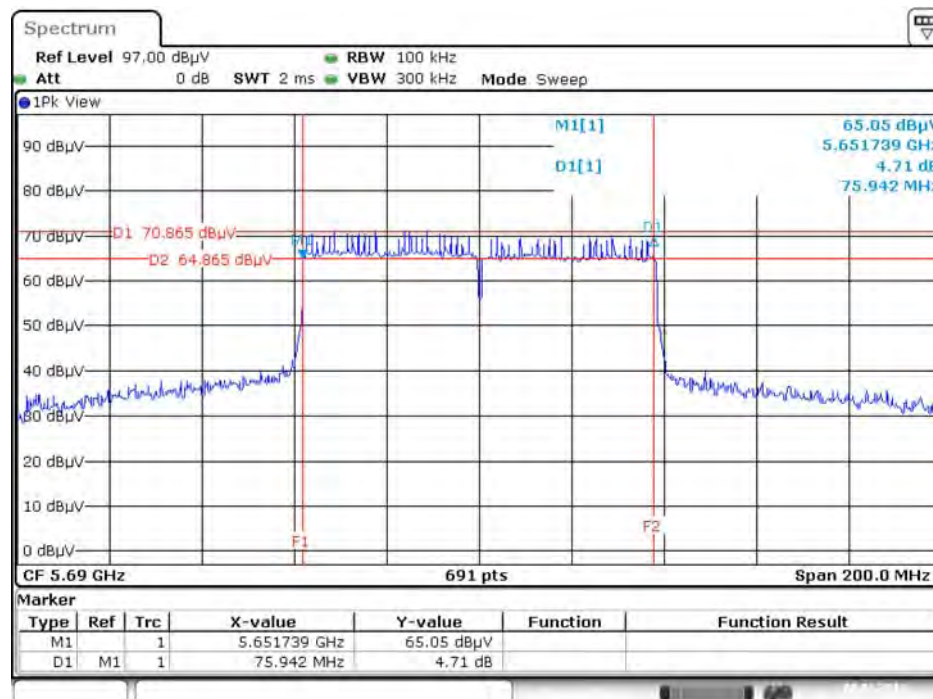
Date: 8.JAN.2016 15:55:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz



Date: 8.JAN.2016 15:56:24

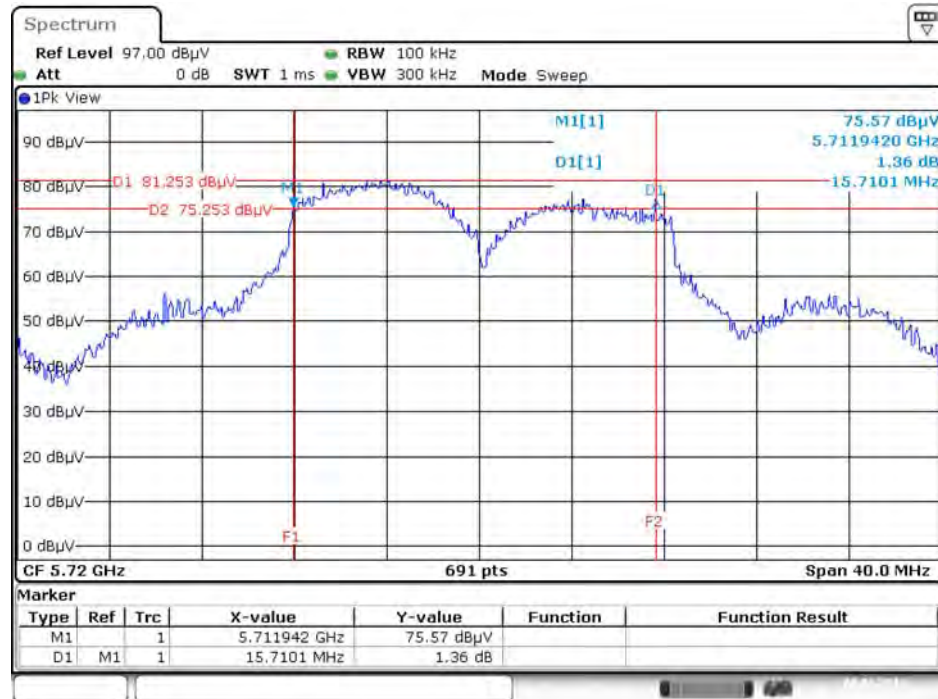
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



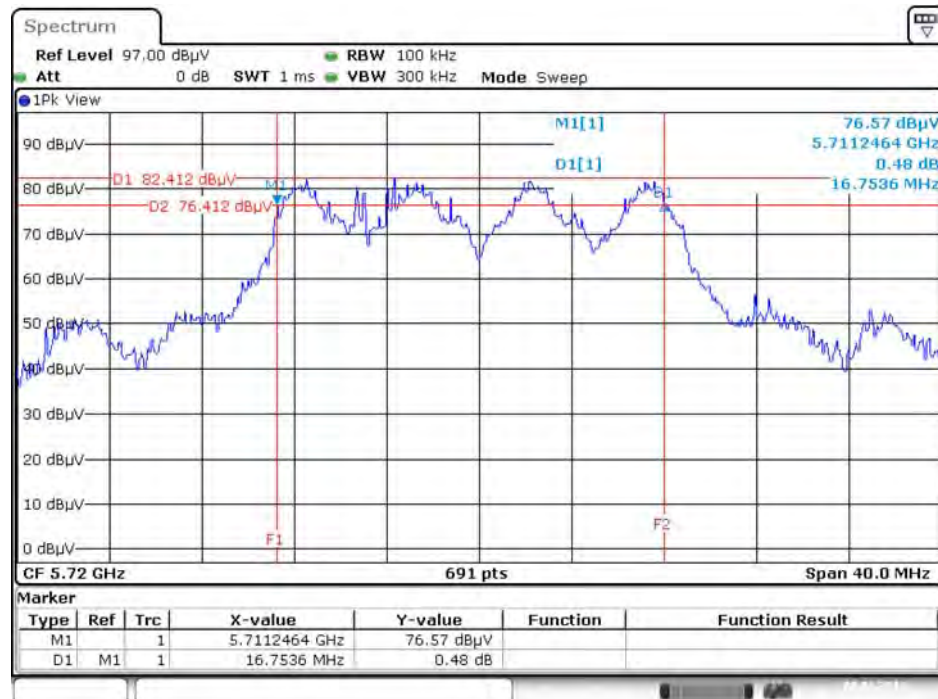
Date: 8.JAN.2016 15:56:50

Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)

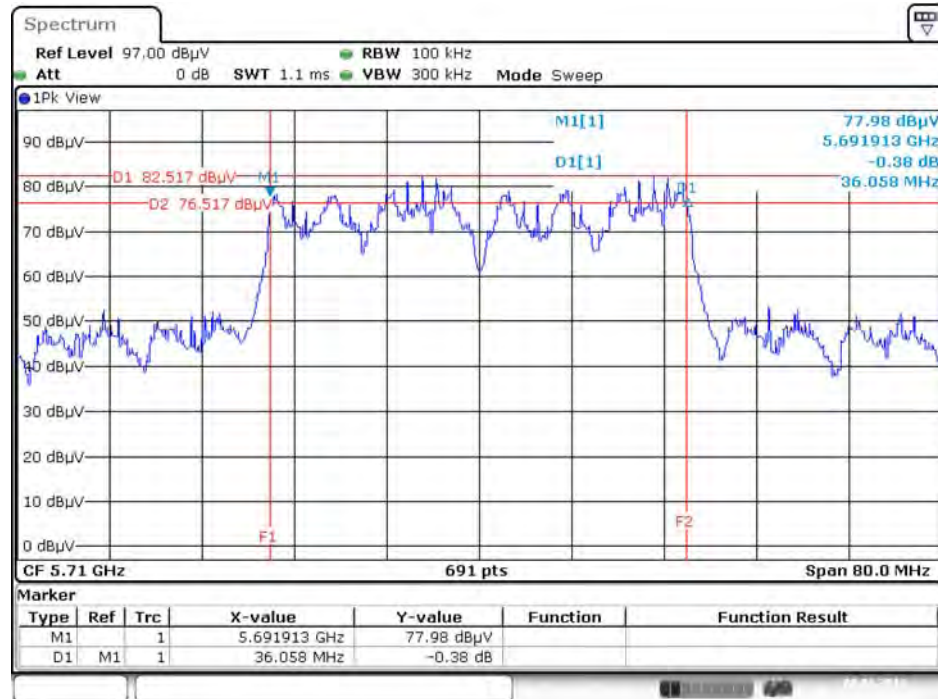
6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz

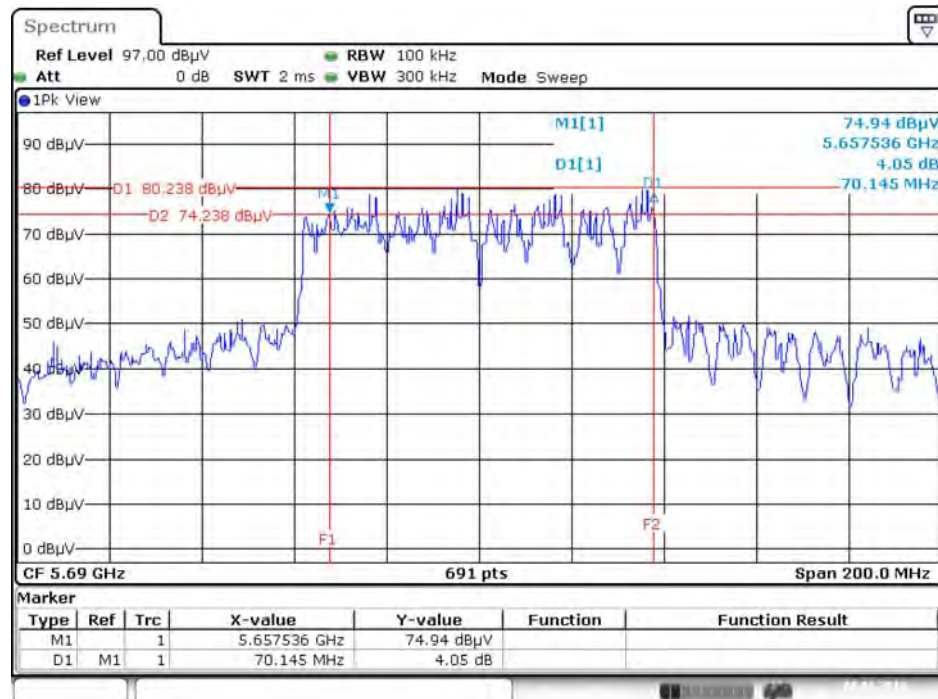


6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 15:51:04

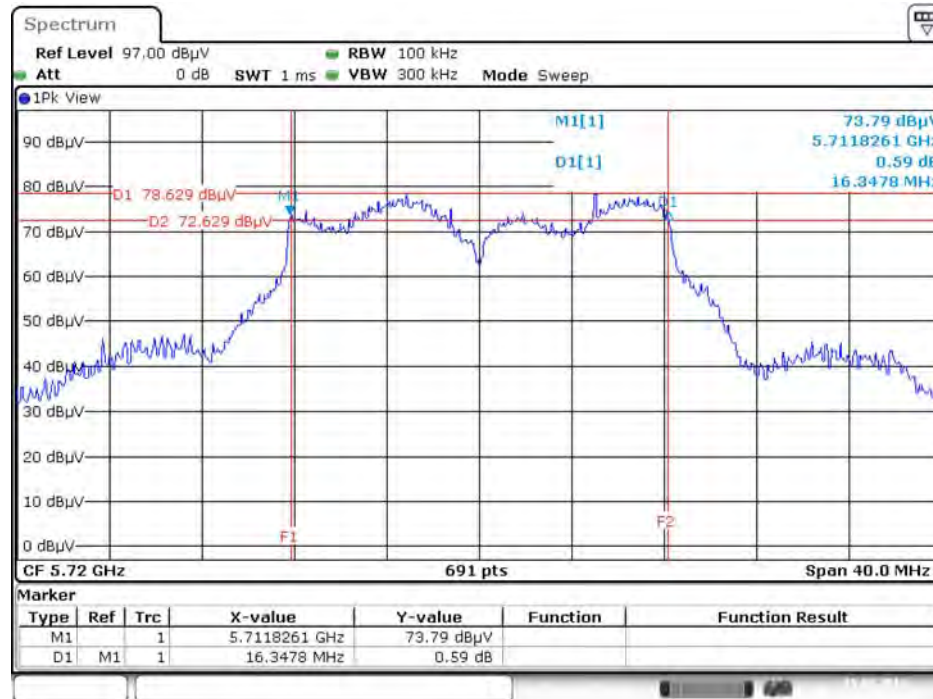
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



Date: 8.JAN.2016 15:51:28

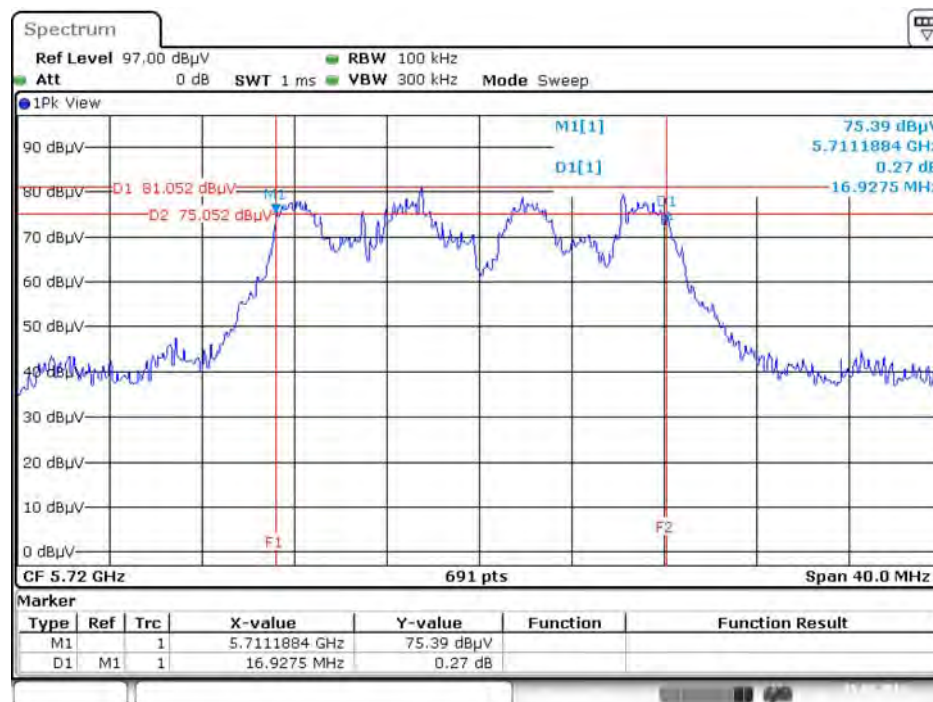
Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



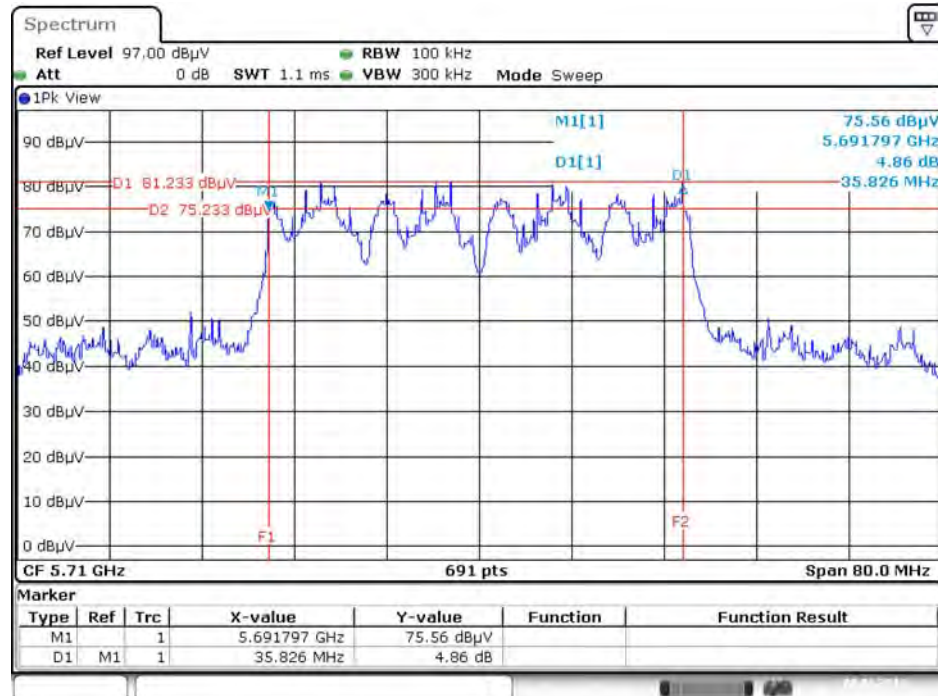
Date: 15.FEB.2016 09:52:51

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



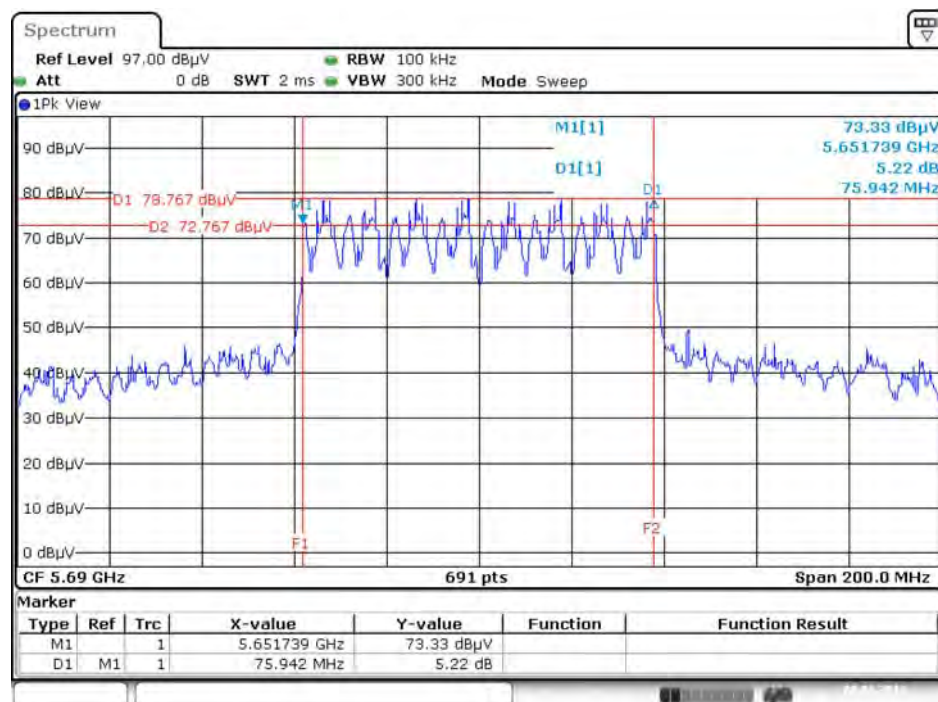
Date: 15.FEB.2016 09:53:51

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 8 JAN 2016 15:48:12

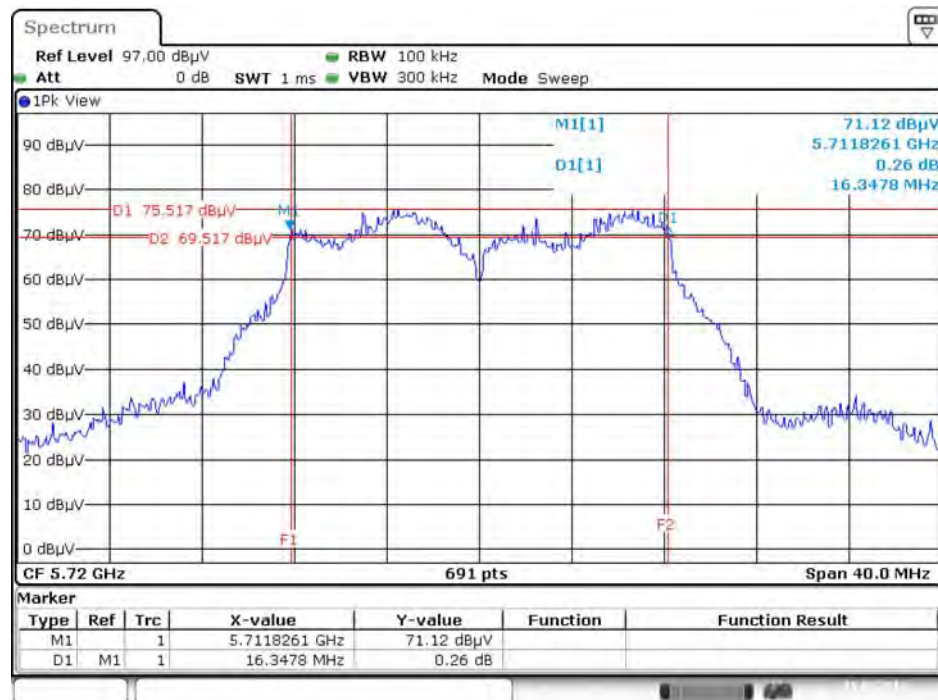
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 8 JAN 2016 15:47:43

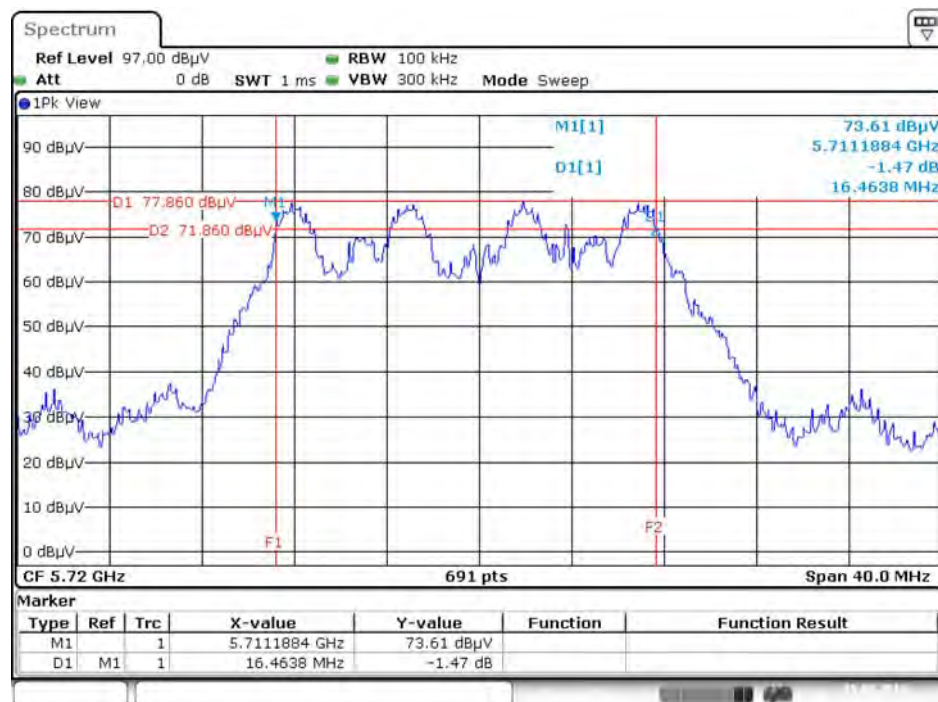
Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



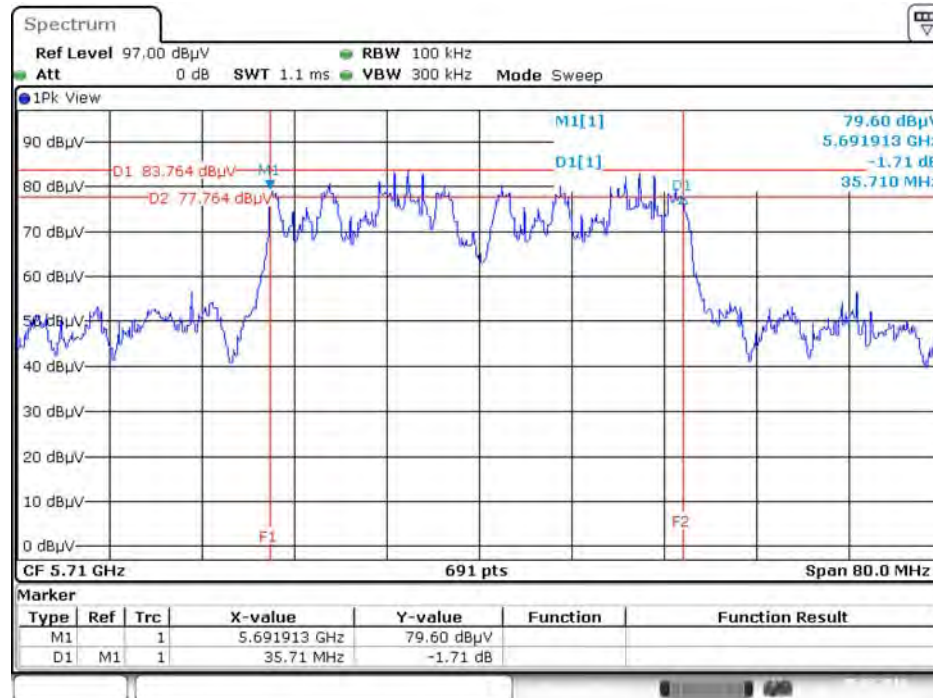
Date: 15.FEB.2016 09:56:58

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



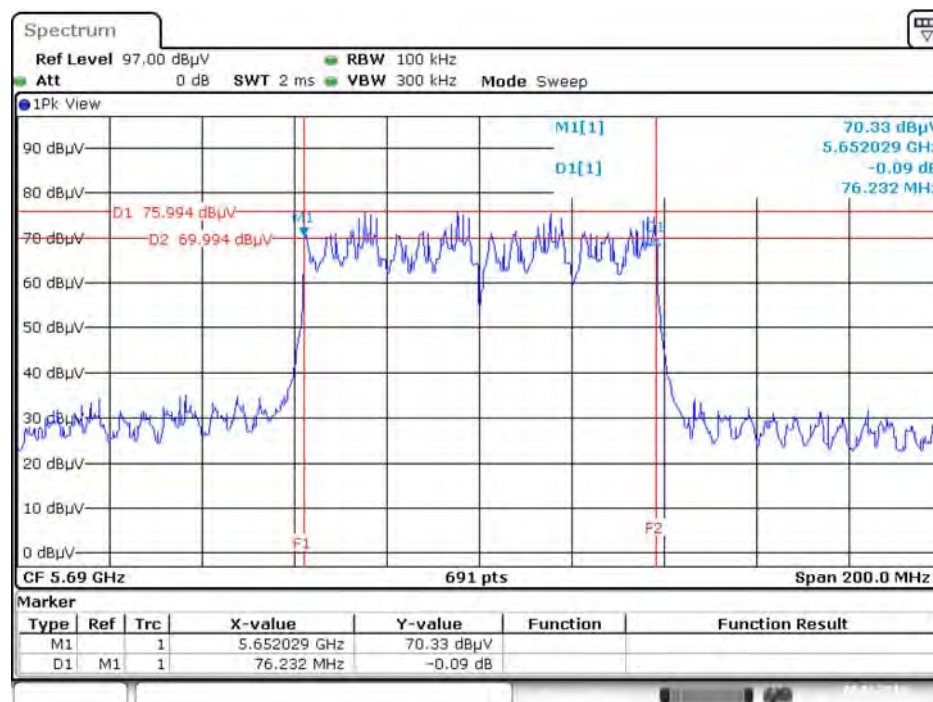
Date: 15.FEB.2016 09:59:20

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 5.FEB.2016 15:58:10

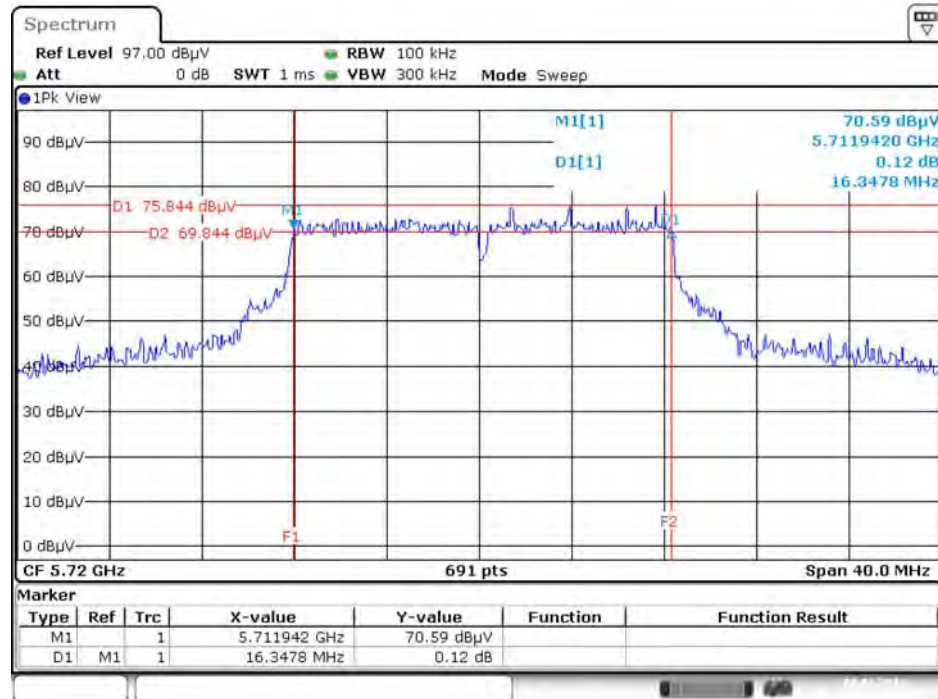
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 15:33:20

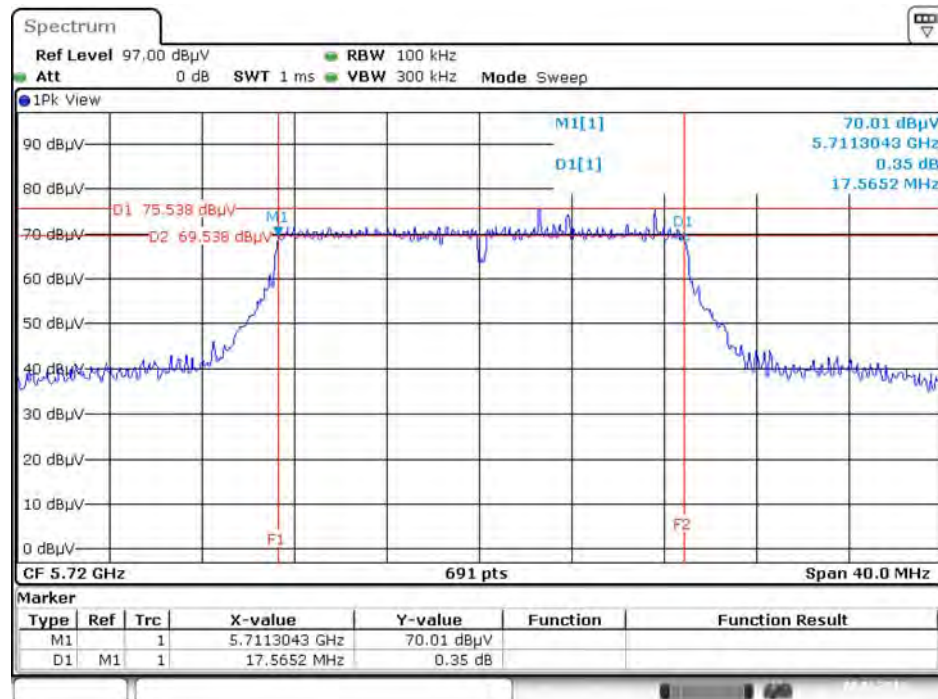
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz



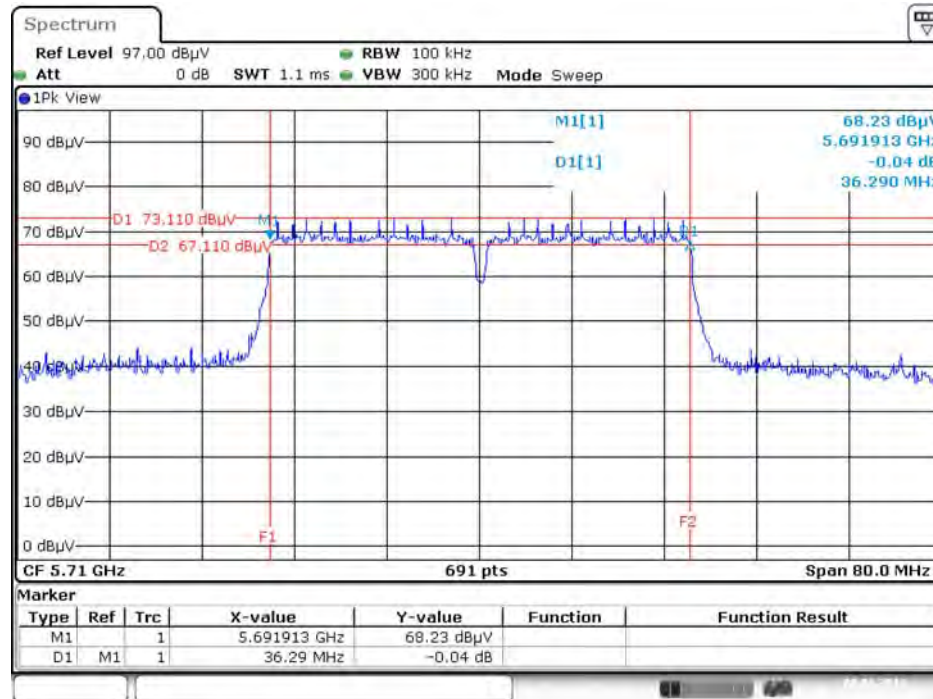
Date: 8.JAN.2016 15:55:15

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz



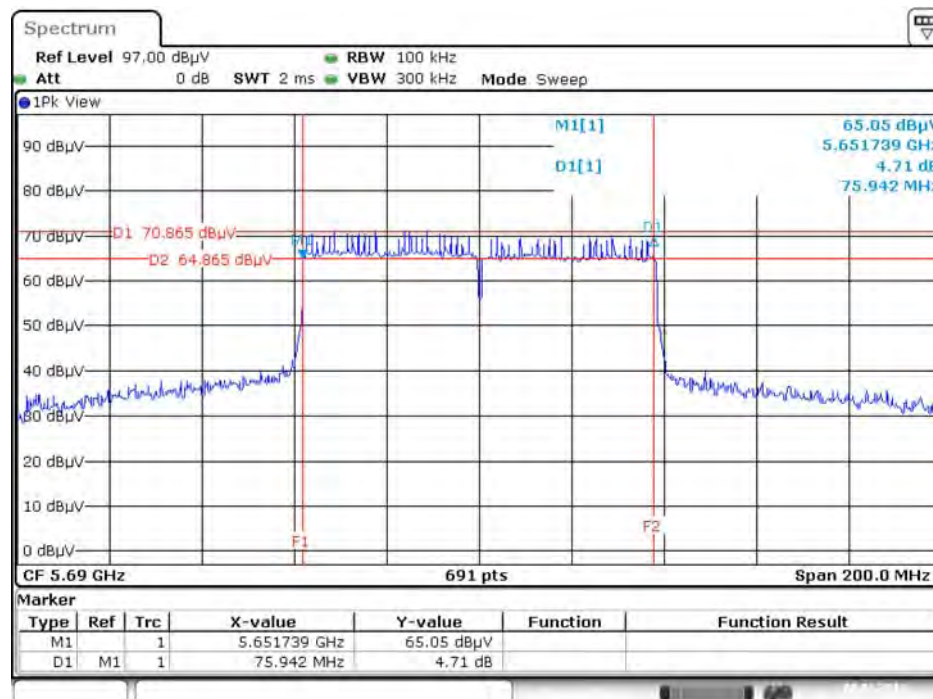
Date: 8.JAN.2016 15:55:48

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz



Date: 8.JAN.2016 15:56:24

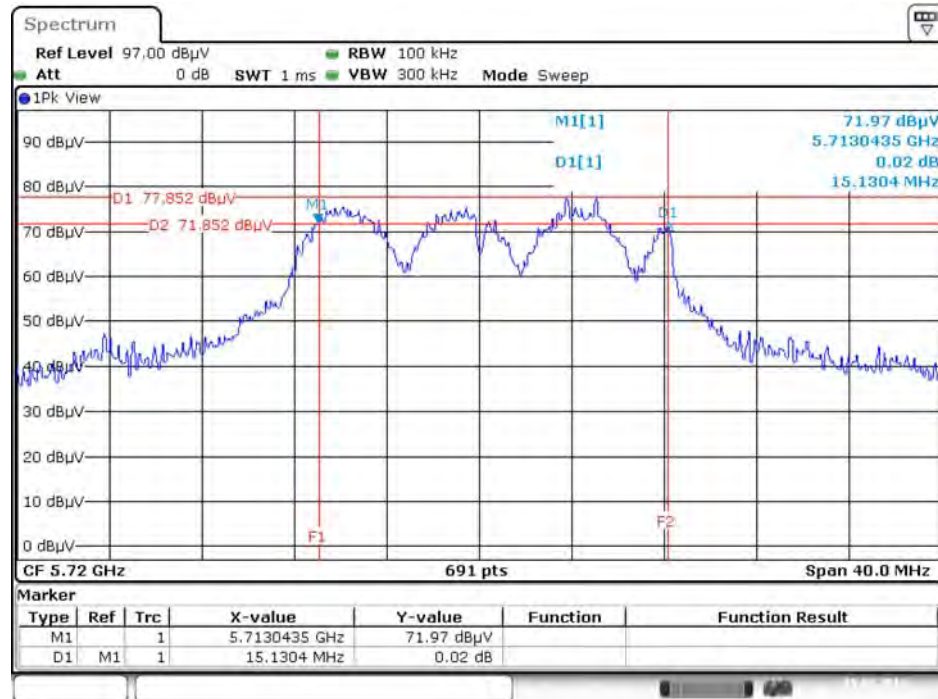
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz



Date: 8.JAN.2016 15:56:50

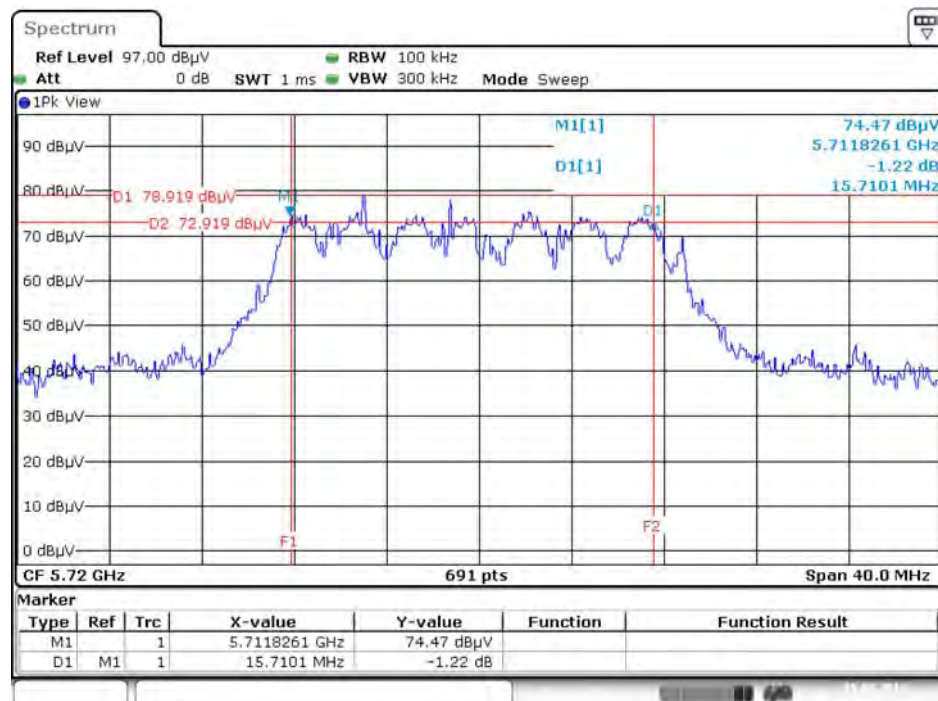
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 / 5720 MHz



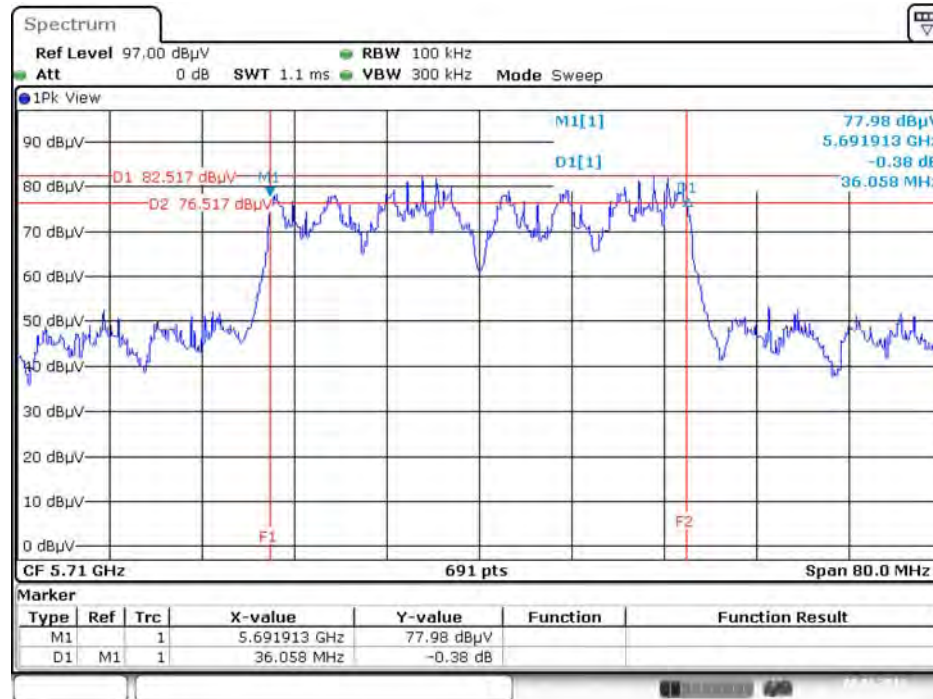
Date: 15.FEB.2016 10:09:12

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz



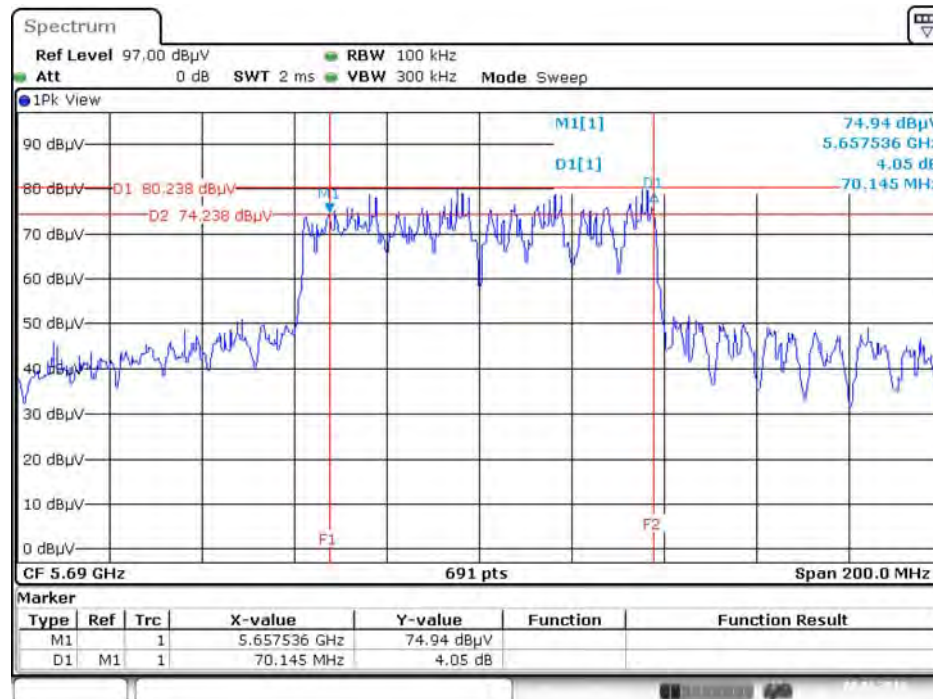
Date: 15.FEB.2016 10:10:05

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz



Date: 8.JAN.2016 15:51:04

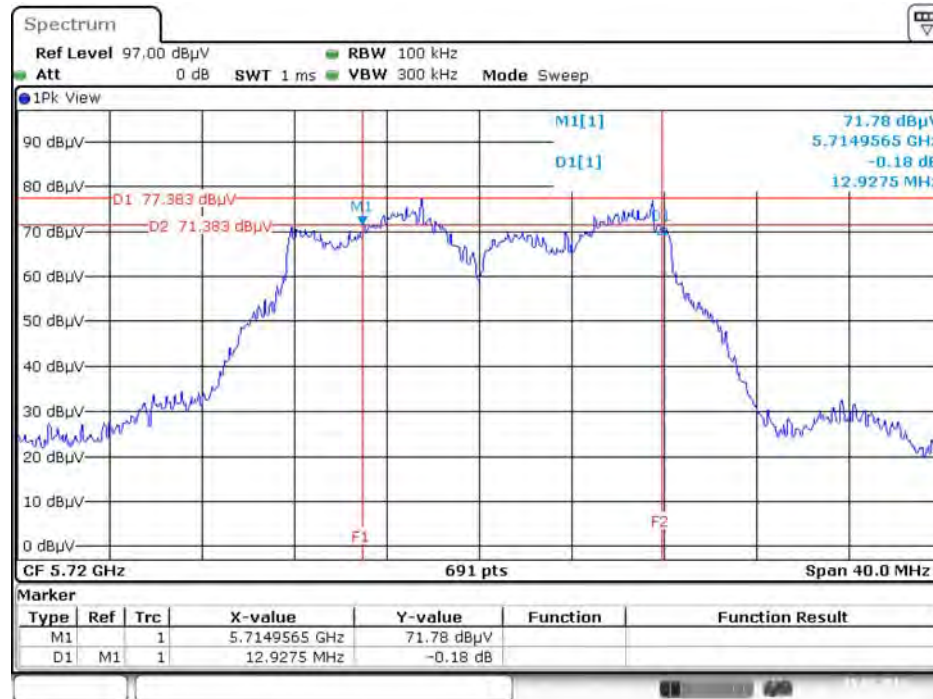
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz



Date: 8.JAN.2016 15:51:28

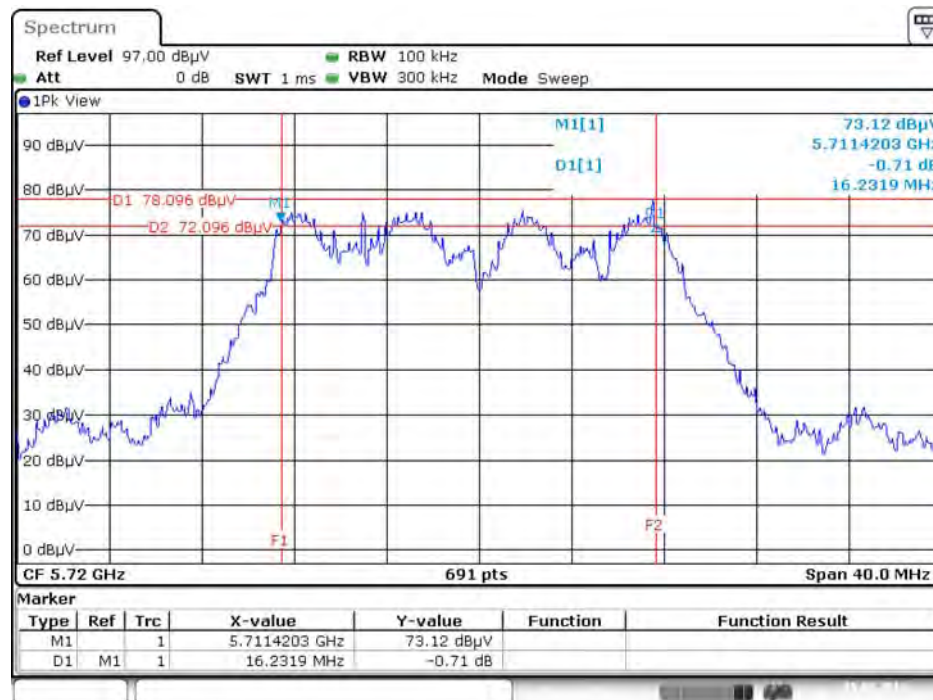
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



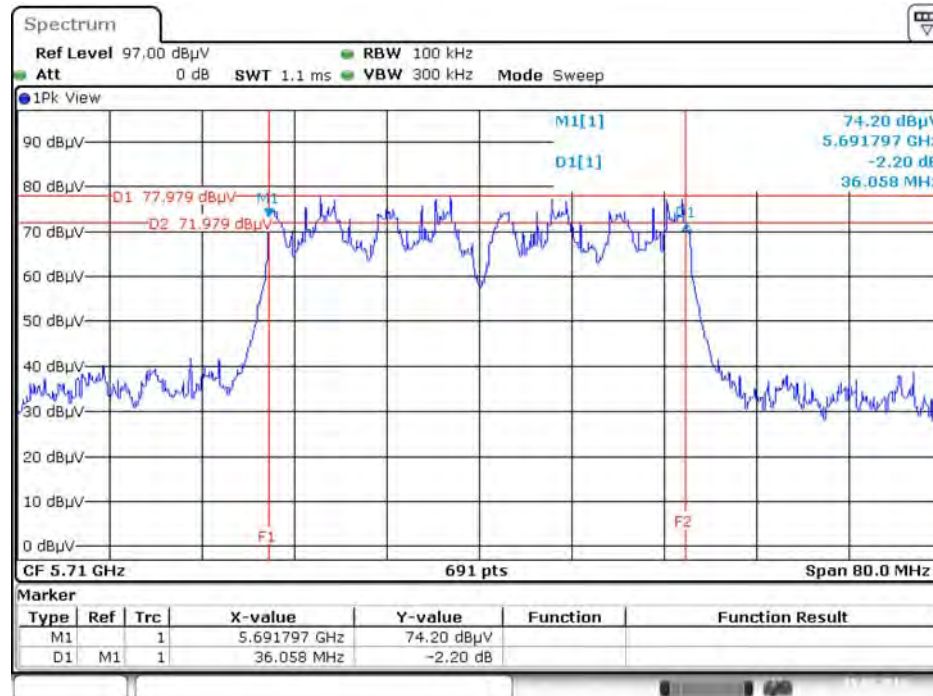
Date: 15.FEB.2016 10:12:54

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz



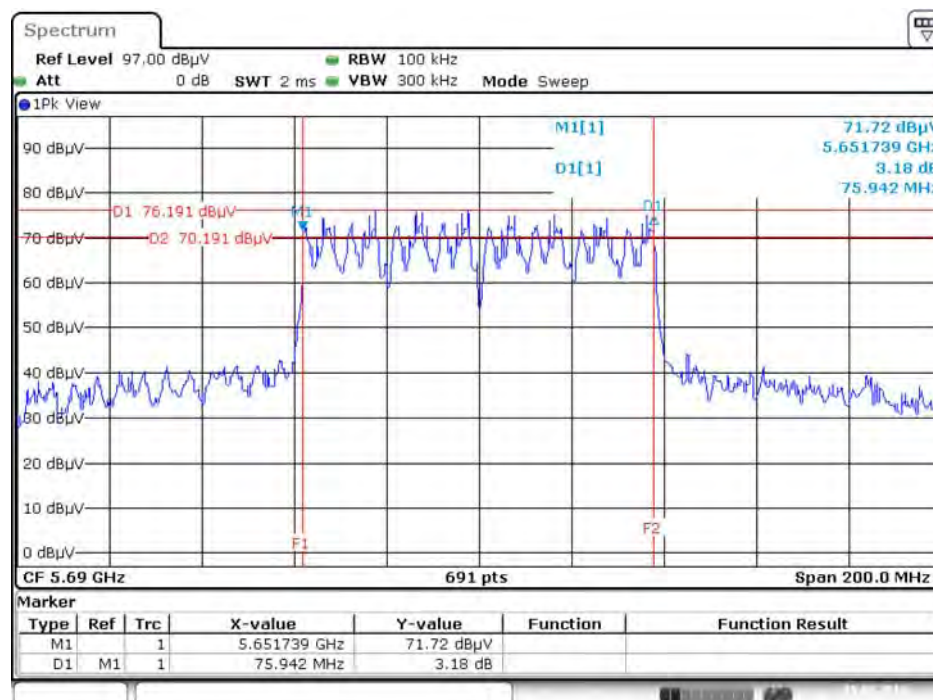
Date: 15.FEB.2016 10:13:55

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz



Date: 15.FEB.2016 10:15:24

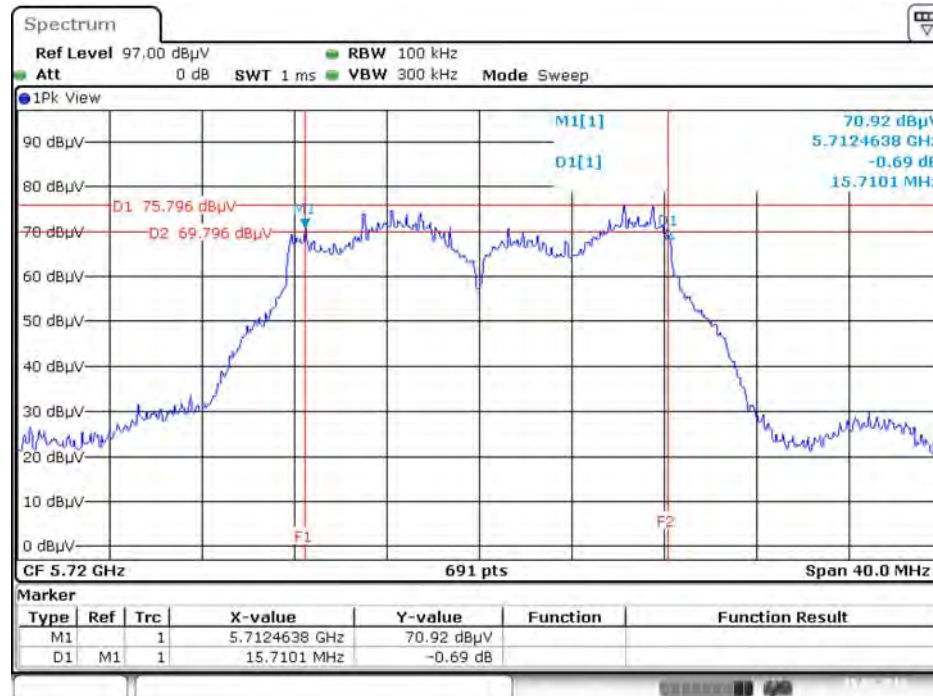
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz



Date: 15.FEB.2016 10:17:31

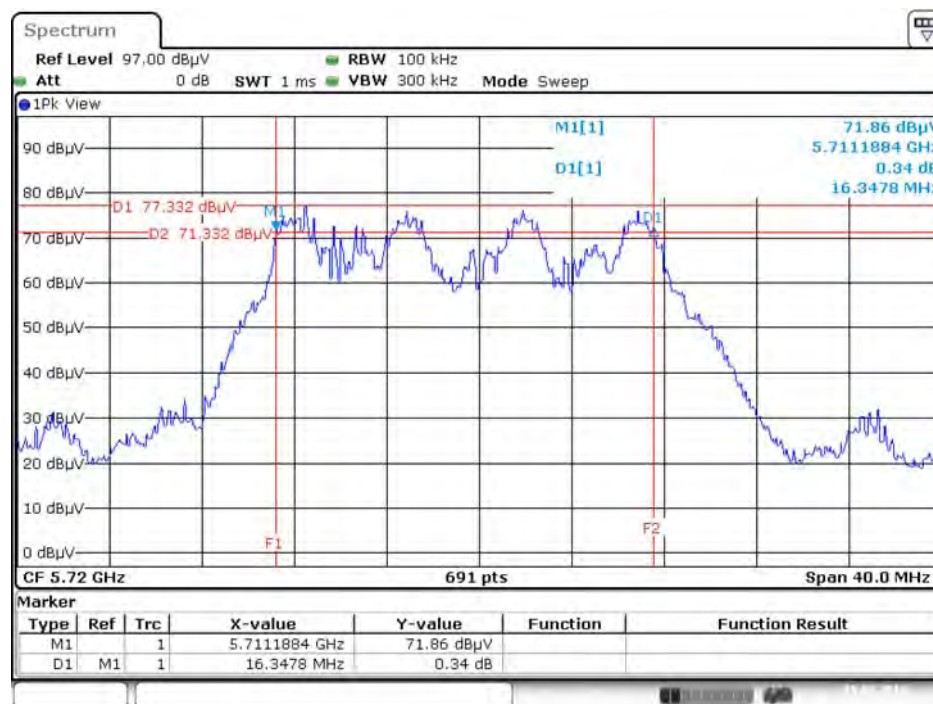
Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



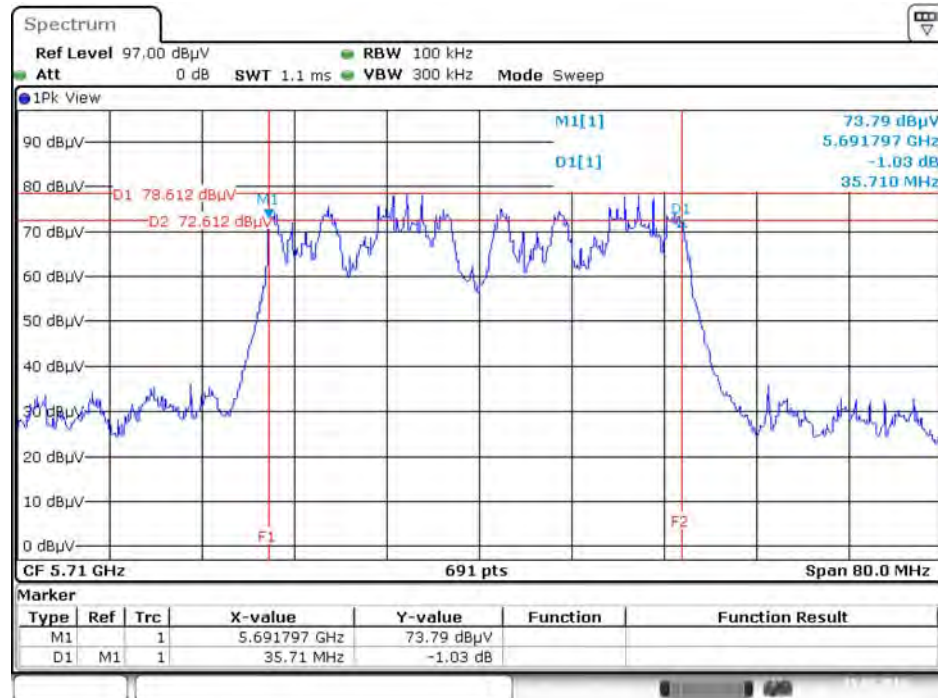
Date: 15.FEB.2016 10:20:18

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz



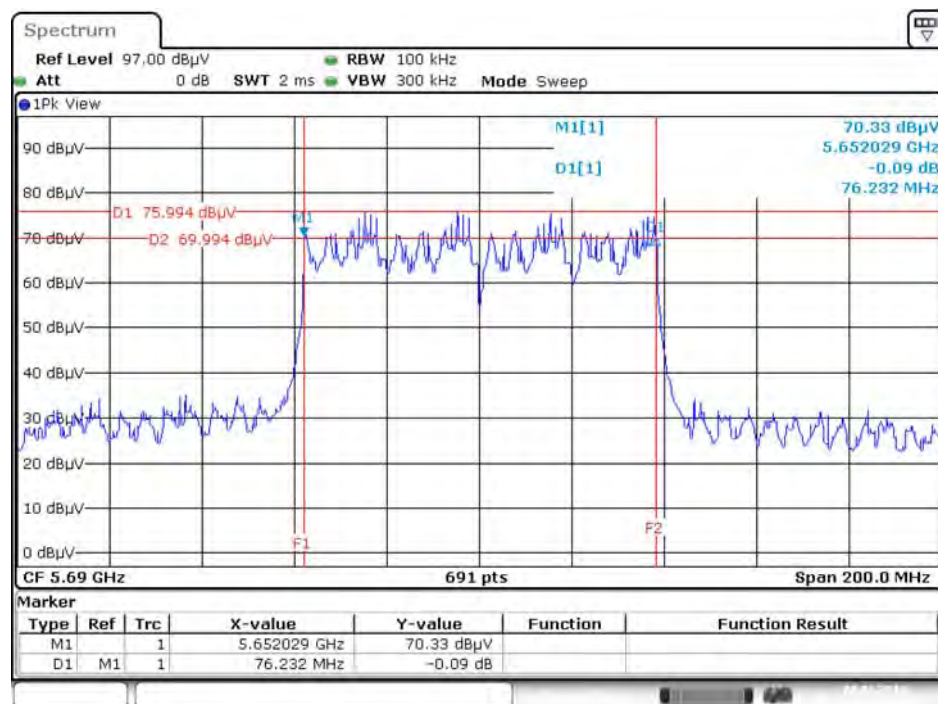
Date: 15.FEB.2016 10:22:02

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz



Date: 15.FEB.2016 10:23:57

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz



Date: 8.JAN.2016 15:33:20

4.3. Maximum Conducted Output Power Measurement

4.3.1. Limit

Frequency Band		Limit
<input checked="" type="checkbox"/>	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm $10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
<input checked="" type="checkbox"/>	5.470-5.725 GHz	

4.3.2. Measuring Instruments and Setting

For other channel:

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

Power Meter Parameter	Setting
Detector	AVERAGE

For straddle channel:

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	1 000 kHz
VBW	3000 kHz
Detector	RMS
Trace	Average Sweep count 100
Sweep Time	Auto

4.3.3. Test Procedures

For other channel:

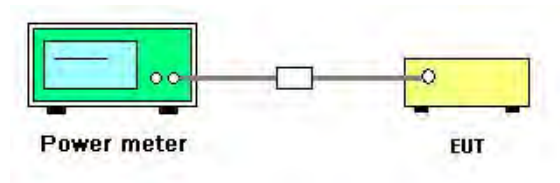
1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 D02 v01r01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (PM) =>b) Method PM-G (Measurement using a gated RF average power meter).
3. Multiple antenna systems was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. When measuring maximum conducted output power with multiple antenna systems, add every result of the values by mathematic formula.

For straddle channel:

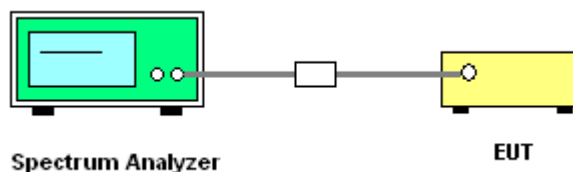
1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Test was performed in accordance with FCC Public Notice DA 02-2138, August 30, 2002.

4.3.4. Test Setup Layout

For other channel:



For straddle channel:



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

For Non-Beamforming Mode

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	24.00	Complies
	5300 MHz	20.91	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.85	24.00	Complies
	5580 MHz	20.91	24.00	Complies
	5700 MHz	18.51	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	24.00	Complies
	5300 MHz	20.97	24.00	Complies
	5320 MHz	20.73	24.00	Complies
	5500 MHz	20.66	24.00	Complies
	5580 MHz	20.94	24.00	Complies
	5700 MHz	18.37	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	24.00	Complies
	5310 MHz	15.77	24.00	Complies
	5510 MHz	19.26	24.00	Complies
	5550 MHz	20.92	24.00	Complies
	5670 MHz	19.81	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	15.85	24.00	Complies
	5530 MHz	19.22	24.00	Complies
	5610 MHz	20.13	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.99	Complies
	5720 MHz (UNII 3)	12.97	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	23.05	Complies
	5720 MHz (UNII 3)	12.82	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	24.00	Complies
	5710 MHz (UNII 3)	9.48	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	24.00	Complies
	5690 MHz (UNII 3)	6.13	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(16.04) = 23.05\text{dBm} < 24\text{dBm}$, so limit = 23.05dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	19.09	20.96	23.14	24.00	Complies
	5300 MHz	19.49	20.92	23.27	24.00	Complies
	5320 MHz	19.26	20.89	23.16	24.00	Complies
	5500 MHz	18.16	20.95	22.79	24.00	Complies
	5580 MHz	18.25	20.90	22.78	24.00	Complies
	5700 MHz	17.15	19.44	21.45	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	19.05	20.89	23.08	24.00	Complies
	5300 MHz	19.04	20.89	23.07	24.00	Complies
	5320 MHz	18.93	20.90	23.04	24.00	Complies
	5500 MHz	18.53	20.94	22.91	24.00	Complies
	5580 MHz	17.74	20.86	22.58	24.00	Complies
	5700 MHz	17.05	19.02	21.16	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	24.00	Complies
	5310 MHz	18.78	20.91	22.98	24.00	Complies
	5510 MHz	17.24	18.75	21.07	24.00	Complies
	5550 MHz	18.83	20.91	23.00	24.00	Complies
	5670 MHz	17.56	18.92	21.30	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.53	16.14	18.42	24.00	Complies
	5530 MHz	16.06	17.41	19.80	24.00	Complies
	5610 MHz	16.48	18.76	20.78	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.99	18.18	20.23	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.75	14.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.61	17.83	19.87	22.95	Complies
	5720 MHz (UNII 3)	10.53	12.74	14.78	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	24.00	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	24.00	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	16.33	17.85	16.23	21.64	24.00	Complies
	5300 MHz	16.29	17.77	16.46	21.66	24.00	Complies
	5320 MHz	16.41	17.86	16.51	21.75	24.00	Complies
	5500 MHz	15.63	18.06	16.43	21.60	24.00	Complies
	5580 MHz	15.82	18.28	16.36	21.72	24.00	Complies
	5700 MHz	15.53	17.86	16.81	21.61	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.53	17.67	16.52	21.71	24.00	Complies
	5300 MHz	16.22	17.87	16.54	21.71	24.00	Complies
	5320 MHz	16.48	17.57	16.67	21.70	24.00	Complies
	5500 MHz	15.86	18.22	16.45	21.73	24.00	Complies
	5580 MHz	15.77	18.17	16.37	21.66	24.00	Complies
	5700 MHz	15.36	17.71	16.69	21.46	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.74	19.87	18.66	23.90	24.00	Complies
	5310 MHz	12.18	13.74	12.29	17.57	24.00	Complies
	5510 MHz	15.84	17.32	16.85	21.48	24.00	Complies
	5550 MHz	18.32	19.84	19.32	23.98	24.00	Complies
	5670 MHz	15.37	17.32	16.16	21.13	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.05	12.83	11.79	16.72	24.00	Complies
	5530 MHz	12.98	13.93	13.82	18.37	24.00	Complies
	5610 MHz	16.12	18.09	17.26	22.00	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	13.31	15.88	15.53	19.82	23.88	Complies
	5720 MHz (UNII 3)	7.87	10.11	9.82	14.15	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	13.87	15.68	14.65	19.57	22.92	Complies
	5720 MHz (UNII 3)	8.36	10.01	9.22	14.02	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.08	18.68	18.02	22.75	24.00	Complies
	5710 MHz (UNII 3)	7.25	8.36	8.31	12.77	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.91	19.84	19.07	23.54	24.00	Complies
	5690 MHz (UNII 3)	3.40	6.26	5.84	10.11	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(19.40) = 23.88\text{dBm} < 24\text{dBm}$, so limit = 23.88dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.56) = 22.92\text{dBm} < 24\text{dBm}$, so limit = 22.92dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	13.79	15.15	14.36	14.16	20.41	24.00	Complies
	5300 MHz	13.89	15.16	14.02	14.36	20.41	24.00	Complies
	5320 MHz	14.16	15.33	13.97	14.22	20.47	24.00	Complies
	5500 MHz	13.67	15.68	13.62	14.58	20.49	24.00	Complies
	5580 MHz	13.59	15.78	13.54	14.58	20.49	24.00	Complies
	5700 MHz	13.10	15.19	14.28	14.89	20.46	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	13.78	15.14	14.37	14.15	20.41	24.00	Complies
	5300 MHz	13.85	15.17	14.12	14.46	20.45	24.00	Complies
	5320 MHz	14.16	15.41	13.87	14.23	20.48	24.00	Complies
	5500 MHz	13.67	15.68	13.62	14.58	20.49	24.00	Complies
	5580 MHz	13.52	15.68	13.54	14.59	20.45	24.00	Complies
	5700 MHz	13.12	15.16	14.22	14.78	20.41	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	16.38	17.53	16.59	17.05	22.93	24.00	Complies
	5310 MHz	11.61	12.83	12.05	12.13	18.20	24.00	Complies
	5510 MHz	15.73	16.65	16.19	17.66	22.64	24.00	Complies
	5550 MHz	15.92	17.24	16.48	17.88	22.96	24.00	Complies
	5670 MHz	15.29	16.85	15.79	16.31	22.12	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	10.84	12.87	11.25	10.63	17.51	24.00	Complies
	5530 MHz	13.29	14.18	14.31	15.11	20.29	24.00	Complies
	5610 MHz	15.09	17.16	15.97	16.77	22.34	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	11.47	13.35	13.48	12.25	18.73	22.95	Complies
	5720 MHz (UNII 3)	5.71	7.94	7.31	6.36	12.93	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	11.72	14.10	13.70	12.39	19.10	22.95	Complies
	5720 MHz (UNII 3)	6.60	9.02	8.49	6.99	13.91	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	15.52	17.15	16.52	15.96	22.35	24.00	Complies
	5710 MHz (UNII 3)	5.90	7.56	7.07	6.11	12.73	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	24.00	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	24.00	Complies
	5300 MHz	20.91	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.85	24.00	Complies
	5580 MHz	20.91	24.00	Complies
	5700 MHz	18.51	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	24.00	Complies
	5300 MHz	20.97	24.00	Complies
	5320 MHz	20.73	24.00	Complies
	5500 MHz	20.66	24.00	Complies
	5580 MHz	20.94	24.00	Complies
	5700 MHz	18.37	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	24.00	Complies
	5310 MHz	15.77	24.00	Complies
	5510 MHz	19.26	24.00	Complies
	5550 MHz	20.92	24.00	Complies
	5670 MHz	19.81	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	15.85	24.00	Complies
	5530 MHz	19.22	24.00	Complies
	5610 MHz	20.13	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.99	Complies
	5720 MHz (UNII 3)	12.97	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	23.05	Complies
	5720 MHz (UNII 3)	12.82	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	24.00	Complies
	5710 MHz (UNII 3)	9.48	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	24.00	Complies
	5690 MHz (UNII 3)	6.13	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(16.04) = 23.05\text{dBm} < 24\text{dBm}$, so limit = 23.05dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	19.09	20.96	23.14	24.00	Complies
	5300 MHz	19.49	20.92	23.27	24.00	Complies
	5320 MHz	19.26	20.89	23.16	24.00	Complies
	5500 MHz	18.16	20.95	22.79	24.00	Complies
	5580 MHz	18.25	20.90	22.78	24.00	Complies
	5700 MHz	17.15	19.44	21.45	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	19.05	20.89	23.08	24.00	Complies
	5300 MHz	19.04	20.89	23.07	24.00	Complies
	5320 MHz	18.93	20.90	23.04	24.00	Complies
	5500 MHz	18.53	20.94	22.91	24.00	Complies
	5580 MHz	17.74	20.86	22.58	24.00	Complies
	5700 MHz	17.05	19.02	21.16	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	24.00	Complies
	5310 MHz	19.41	18.98	22.21	24.00	Complies
	5510 MHz	16.98	17.51	20.26	24.00	Complies
	5550 MHz	18.83	20.91	23.00	24.00	Complies
	5670 MHz	17.56	18.92	21.30	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.53	16.14	18.42	24.00	Complies
	5530 MHz	16.06	17.41	19.80	24.00	Complies
	5610 MHz	16.48	18.76	20.78	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.99	18.18	20.23	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.75	14.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.61	17.83	19.87	22.95	Complies
	5720 MHz (UNII 3)	10.53	12.74	14.78	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	24.00	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	24.00	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	18.22	19.91	18.44	23.69	24.00	Complies
	5300 MHz	18.58	19.89	18.75	23.88	24.00	Complies
	5320 MHz	18.59	20.15	18.51	23.92	24.00	Complies
	5500 MHz	17.97	20.60	18.58	23.97	24.00	Complies
	5580 MHz	18.79	20.28	18.29	23.98	24.00	Complies
	5700 MHz	16.88	18.91	17.81	22.72	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	18.89	19.96	18.65	23.98	24.00	Complies
	5300 MHz	18.01	20.17	18.95	23.91	24.00	Complies
	5320 MHz	18.21	20.27	18.86	23.97	24.00	Complies
	5500 MHz	17.75	20.68	18.39	23.90	24.00	Complies
	5580 MHz	17.96	20.68	18.17	23.89	24.00	Complies
	5700 MHz	17.01	18.72	17.85	22.69	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.33	19.92	19.21	23.97	24.00	Complies
	5310 MHz	13.21	14.84	13.33	18.63	24.00	Complies
	5510 MHz	15.84	17.32	16.85	21.48	24.00	Complies
	5550 MHz	18.08	19.89	19.04	23.84	24.00	Complies
	5670 MHz	18.27	19.94	19.23	23.97	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.81	13.56	12.56	17.47	24.00	Complies
	5530 MHz	15.67	17.23	16.95	21.44	24.00	Complies
	5610 MHz	16.91	18.86	18.01	22.77	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	16.73	18.03	17.34	22.17	22.85	Complies
	5720 MHz (UNII 3)	11.04	12.11	11.72	16.42	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	16.63	18.13	17.42	22.21	22.99	Complies
	5720 MHz (UNII 3)	11.16	12.50	12.02	16.70	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.08	18.68	18.02	22.75	24.00	Complies
	5710 MHz (UNII 3)	7.25	8.36	8.31	12.77	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.91	19.84	19.07	23.54	24.00	Complies
	5690 MHz (UNII 3)	3.40	6.26	5.84	10.11	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	16.73	18.11	17.31	17.18	23.38	24.00	Complies
	5300 MHz	16.81	18.11	17.09	17.37	23.39	24.00	Complies
	5320 MHz	16.98	18.08	16.61	16.99	23.22	24.00	Complies
	5500 MHz	16.49	18.59	16.58	17.49	23.39	24.00	Complies
	5580 MHz	16.47	18.67	16.48	17.46	23.39	24.00	Complies
	5700 MHz	15.86	17.96	17.09	17.52	23.20	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.50	18.30	17.25	17.21	23.38	24.00	Complies
	5300 MHz	16.61	18.38	16.81	17.40	23.38	24.00	Complies
	5320 MHz	16.58	17.98	16.78	17.15	23.18	24.00	Complies
	5500 MHz	15.79	18.70	16.58	17.53	23.31	24.00	Complies
	5580 MHz	16.08	18.51	16.58	17.18	23.21	24.00	Complies
	5700 MHz	16.08	18.14	17.20	17.69	23.36	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.38	18.53	17.59	18.05	23.93	24.00	Complies
	5310 MHz	12.65	13.89	13.08	13.11	19.23	24.00	Complies
	5510 MHz	16.74	17.68	17.25	18.61	23.65	24.00	Complies
	5550 MHz	16.89	18.28	17.51	18.84	23.96	24.00	Complies
	5670 MHz	17.03	18.66	17.51	18.07	23.88	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.79	13.86	12.18	11.59	18.47	24.00	Complies
	5530 MHz	15.81	16.69	16.84	17.63	22.81	24.00	Complies
	5610 MHz	16.51	18.67	17.43	18.28	23.82	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	14.52	16.33	15.28	15.65	21.51	22.99	Complies
	5720 MHz (UNII 3)	7.70	9.44	8.79	9.04	14.81	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	14.52	16.24	15.51	15.69	21.55	22.92	Complies
	5720 MHz (UNII 3)	9.11	10.77	10.34	10.32	16.20	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.78	18.17	17.68	17.88	23.68	24.00	Complies
	5710 MHz (UNII 3)	7.06	8.07	8.06	8.02	13.84	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	24.00	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.56) = 22.92\text{dBm} < 24\text{dBm}$, so limit = 22.92dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	24.00	Complies
	5300 MHz	20.91	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.85	24.00	Complies
	5580 MHz	20.91	24.00	Complies
	5700 MHz	19.06	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	24.00	Complies
	5300 MHz	20.97	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.93	24.00	Complies
	5580 MHz	20.94	24.00	Complies
	5700 MHz	19.03	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	24.00	Complies
	5310 MHz	16.39	24.00	Complies
	5510 MHz	19.26	24.00	Complies
	5550 MHz	20.92	24.00	Complies
	5670 MHz	20.88	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	15.91	24.00	Complies
	5530 MHz	19.62	24.00	Complies
	5610 MHz	20.44	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.99	Complies
	5720 MHz (UNII 3)	12.97	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	23.05	Complies
	5720 MHz (UNII 3)	12.82	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	24.00	Complies
	5710 MHz (UNII 3)	9.48	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	24.00	Complies
	5690 MHz (UNII 3)	6.13	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(16.04) = 23.05\text{dBm} < 24\text{dBm}$, so limit = 23.05dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	19.09	20.96	23.14	24.00	Complies
	5300 MHz	19.49	20.92	23.27	24.00	Complies
	5320 MHz	19.26	20.89	23.16	24.00	Complies
	5500 MHz	18.16	20.95	22.79	24.00	Complies
	5580 MHz	18.25	20.90	22.78	24.00	Complies
	5700 MHz	17.40	19.84	21.80	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	19.05	20.89	23.08	24.00	Complies
	5300 MHz	19.04	20.89	23.07	24.00	Complies
	5320 MHz	18.93	20.90	23.04	24.00	Complies
	5500 MHz	18.53	20.94	22.91	24.00	Complies
	5580 MHz	17.74	20.86	22.58	24.00	Complies
	5700 MHz	17.42	19.87	21.83	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	24.00	Complies
	5310 MHz	15.12	16.33	18.78	24.00	Complies
	5510 MHz	17.02	18.54	20.86	24.00	Complies
	5550 MHz	18.83	20.91	23.00	24.00	Complies
	5670 MHz	18.97	20.69	22.92	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.21	16.00	18.21	24.00	Complies
	5530 MHz	15.98	17.25	19.67	24.00	Complies
	5610 MHz	18.52	20.84	22.84	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.99	18.18	20.23	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.75	14.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.61	17.83	19.87	22.95	Complies
	5720 MHz (UNII 3)	10.53	12.74	14.78	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	24.00	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	24.00	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	17.26	18.79	17.74	22.75	24.00	Complies
	5300 MHz	17.14	18.73	17.68	22.67	24.00	Complies
	5320 MHz	17.08	18.57	17.86	22.65	24.00	Complies
	5500 MHz	16.72	19.31	17.82	22.85	24.00	Complies
	5580 MHz	16.50	19.21	17.39	22.62	24.00	Complies
	5700 MHz	16.44	18.73	18.39	22.74	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	17.37	18.78	17.78	22.79	24.00	Complies
	5300 MHz	17.16	18.64	17.85	22.70	24.00	Complies
	5320 MHz	17.03	18.65	17.82	22.65	24.00	Complies
	5500 MHz	16.41	18.96	17.75	22.60	24.00	Complies
	5580 MHz	16.71	19.38	17.60	22.81	24.00	Complies
	5700 MHz	16.53	19.05	18.54	22.94	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.42	19.72	18.64	23.74	24.00	Complies
	5310 MHz	14.33	15.78	14.91	19.82	24.00	Complies
	5510 MHz	16.01	17.51	17.34	21.77	24.00	Complies
	5550 MHz	17.96	19.71	19.18	23.78	24.00	Complies
	5670 MHz	17.60	19.35	18.89	23.45	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.67	13.66	12.66	17.51	24.00	Complies
	5530 MHz	13.59	14.81	15.60	19.51	24.00	Complies
	5610 MHz	17.43	20.00	19.57	23.91	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	16.41	18.34	17.79	22.36	22.95	Complies
	5720 MHz (UNII 3)	10.67	12.65	12.39	16.76	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	16.53	18.04	17.66	22.23	22.99	Complies
	5720 MHz (UNII 3)	10.92	12.58	12.24	16.74	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.08	18.68	18.02	22.75	24.00	Complies
	5710 MHz (UNII 3)	7.25	8.36	8.31	12.77	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.91	19.84	19.07	23.54	24.00	Complies
	5690 MHz (UNII 3)	3.40	6.26	5.84	10.11	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	14.53	15.98	15.31	14.99	21.26	24.00	Complies
	5300 MHz	14.41	15.92	15.53	14.94	21.26	24.00	Complies
	5320 MHz	14.03	15.98	15.26	15.03	21.15	24.00	Complies
	5500 MHz	14.16	16.25	15.53	14.96	21.31	24.00	Complies
	5580 MHz	14.11	16.21	15.15	14.69	21.13	24.00	Complies
	5700 MHz	13.51	15.65	15.49	14.71	20.94	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	14.49	16.11	15.32	15.04	21.30	24.00	Complies
	5300 MHz	14.42	15.85	15.25	14.83	21.14	24.00	Complies
	5320 MHz	14.78	15.99	14.90	14.94	21.20	24.00	Complies
	5500 MHz	14.03	16.46	15.11	15.23	21.31	24.00	Complies
	5580 MHz	16.01	16.32	14.13	14.26	21.31	24.00	Complies
	5700 MHz	13.69	16.23	15.56	14.79	21.19	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.38	18.53	17.59	18.05	23.93	24.00	Complies
	5310 MHz	11.87	12.86	12.29	12.16	18.33	24.00	Complies
	5510 MHz	15.73	16.65	16.19	17.66	22.64	24.00	Complies
	5550 MHz	16.89	18.28	17.51	18.84	23.96	24.00	Complies
	5670 MHz	16.53	18.16	17.01	17.57	23.38	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	9.79	11.86	10.18	9.59	16.47	24.00	Complies
	5530 MHz	9.81	10.69	10.84	11.23	16.69	24.00	Complies
	5610 MHz	16.01	18.17	16.93	17.78	23.32	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	13.78	15.47	14.89	15.47	20.98	22.95	Complies
	5720 MHz (UNII 3)	7.41	9.48	9.05	9.32	14.91	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	13.70	15.62	15.34	15.71	21.18	22.95	Complies
	5720 MHz (UNII 3)	8.15	10.28	9.92	10.10	15.71	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.78	18.17	17.68	17.88	23.68	24.00	Complies
	5710 MHz (UNII 3)	7.06	8.07	8.06	8.02	13.84	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	24.00	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	24.00	Complies
	5300 MHz	20.91	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.85	24.00	Complies
	5580 MHz	20.91	24.00	Complies
	5700 MHz	20.03	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	24.00	Complies
	5300 MHz	20.97	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.93	24.00	Complies
	5580 MHz	20.94	24.00	Complies
	5700 MHz	20.88	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	24.00	Complies
	5310 MHz	18.27	24.00	Complies
	5510 MHz	19.91	24.00	Complies
	5550 MHz	20.92	24.00	Complies
	5670 MHz	20.22	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	18.21	24.00	Complies
	5530 MHz	19.62	24.00	Complies
	5610 MHz	20.44	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.99	Complies
	5720 MHz (UNII 3)	12.97	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	23.05	Complies
	5720 MHz (UNII 3)	12.82	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	24.00	Complies
	5710 MHz (UNII 3)	9.48	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	24.00	Complies
	5690 MHz (UNII 3)	6.13	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(16.04) = 23.05\text{dBm} < 24\text{dBm}$, so limit = 23.05dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	19.09	20.96	23.14	24.00	Complies
	5300 MHz	19.49	20.92	23.27	24.00	Complies
	5320 MHz	19.26	20.89	23.16	24.00	Complies
	5500 MHz	18.16	20.95	22.79	24.00	Complies
	5580 MHz	18.25	20.90	22.78	24.00	Complies
	5700 MHz	17.74	20.09	22.08	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	19.05	20.89	23.08	24.00	Complies
	5300 MHz	19.04	20.89	23.07	24.00	Complies
	5320 MHz	18.93	20.90	23.04	24.00	Complies
	5500 MHz	18.53	20.94	22.91	24.00	Complies
	5580 MHz	17.74	20.86	22.58	24.00	Complies
	5700 MHz	17.32	19.84	21.77	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	24.00	Complies
	5310 MHz	15.57	16.73	19.20	24.00	Complies
	5510 MHz	17.24	18.75	21.07	24.00	Complies
	5550 MHz	18.83	20.91	23.00	24.00	Complies
	5670 MHz	18.67	20.61	22.76	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	15.14	17.02	19.19	24.00	Complies
	5530 MHz	16.54	17.86	20.26	24.00	Complies
	5610 MHz	18.52	20.84	22.84	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.99	18.18	20.23	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.75	14.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.61	17.83	19.87	22.95	Complies
	5720 MHz (UNII 3)	10.53	12.74	14.78	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	24.00	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	24.00	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	18.01	19.81	18.56	23.63	24.00	Complies
	5300 MHz	18.21	19.62	18.38	23.55	24.00	Complies
	5320 MHz	18.13	19.48	18.27	23.44	24.00	Complies
	5500 MHz	18.45	19.43	18.34	23.54	24.00	Complies
	5580 MHz	17.54	19.86	18.02	23.36	24.00	Complies
	5700 MHz	16.10	18.32	17.03	22.02	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	17.91	19.77	18.51	23.57	24.00	Complies
	5300 MHz	18.32	19.14	18.72	23.51	24.00	Complies
	5320 MHz	17.85	19.56	18.21	23.38	24.00	Complies
	5500 MHz	17.98	19.53	18.21	23.40	24.00	Complies
	5580 MHz	18.21	19.77	18.31	23.60	24.00	Complies
	5700 MHz	15.36	17.71	16.69	21.46	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.74	19.87	18.66	23.90	24.00	Complies
	5310 MHz	12.36	13.48	13.22	17.82	24.00	Complies
	5510 MHz	15.84	17.32	16.85	21.48	24.00	Complies
	5550 MHz	18.32	19.84	19.32	23.98	24.00	Complies
	5670 MHz	17.86	19.27	18.89	23.48	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.71	13.59	13.44	17.76	24.00	Complies
	5530 MHz	12.95	13.46	14.86	18.60	24.00	Complies
	5610 MHz	16.12	18.09	17.26	22.00	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	15.54	17.35	16.58	21.32	23.88	Complies
	5720 MHz (UNII 3)	9.91	11.44	11.15	15.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.60	17.62	16.77	21.51	22.92	Complies
	5720 MHz (UNII 3)	10.16	12.19	11.52	16.14	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.08	18.68	18.02	22.75	24.00	Complies
	5710 MHz (UNII 3)	7.25	8.36	8.31	12.77	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.77	20.07	19.21	23.89	24.00	Complies
	5690 MHz (UNII 3)	4.08	6.38	6.04	10.38	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(19.40) = 23.88\text{dBm} < 24\text{dBm}$, so limit = 23.88dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.56) = 22.92\text{dBm} < 24\text{dBm}$, so limit = 22.92dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	16.86	18.13	17.26	16.73	23.30	24.00	Complies
	5300 MHz	16.47	17.74	17.15	16.68	23.06	24.00	Complies
	5320 MHz	16.46	17.65	17.25	16.69	23.06	24.00	Complies
	5500 MHz	16.16	18.29	17.32	17.46	23.39	24.00	Complies
	5580 MHz	16.48	18.57	17.68	17.48	23.64	24.00	Complies
	5700 MHz	14.36	15.91	16.46	15.47	21.64	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.87	18.07	17.07	16.74	23.24	24.00	Complies
	5300 MHz	16.44	17.61	17.39	16.66	23.07	24.00	Complies
	5320 MHz	16.59	17.47	17.37	16.71	23.07	24.00	Complies
	5500 MHz	15.34	17.47	16.26	16.51	22.48	24.00	Complies
	5580 MHz	16.87	18.21	16.83	16.84	23.25	24.00	Complies
	5700 MHz	15.63	17.22	18.02	16.91	23.05	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.17	17.85	17.34	17.58	23.51	24.00	Complies
	5310 MHz	13.18	13.95	13.18	13.63	19.52	24.00	Complies
	5510 MHz	16.71	16.69	16.89	17.77	23.06	24.00	Complies
	5550 MHz	16.84	17.82	17.68	18.64	23.81	24.00	Complies
	5670 MHz	16.57	17.37	17.29	18.92	23.65	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.11	15.02	14.89	11.33	20.08	24.00	Complies
	5530 MHz	14.29	15.18	15.31	16.11	21.29	24.00	Complies
	5610 MHz	16.01	18.17	16.93	17.78	23.32	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	15.66	17.20	16.76	16.78	22.66	22.95	Complies
	5720 MHz (UNII 3)	9.50	11.77	10.17	10.83	16.67	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.53	17.43	17.06	17.35	22.93	22.95	Complies
	5720 MHz (UNII 3)	10.01	12.08	11.60	11.77	17.45	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.78	18.17	17.68	17.88	23.68	24.00	Complies
	5710 MHz (UNII 3)	7.06	8.07	8.06	8.02	13.84	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	24.00	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	24.00	Complies
	5300 MHz	20.91	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.85	24.00	Complies
	5580 MHz	20.91	24.00	Complies
	5700 MHz	19.43	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	24.00	Complies
	5300 MHz	20.97	24.00	Complies
	5320 MHz	20.96	24.00	Complies
	5500 MHz	20.93	24.00	Complies
	5580 MHz	20.94	24.00	Complies
	5700 MHz	20.88	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	24.00	Complies
	5310 MHz	16.72	24.00	Complies
	5510 MHz	19.64	24.00	Complies
	5550 MHz	20.92	24.00	Complies
	5670 MHz	20.54	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	15.85	24.00	Complies
	5530 MHz	19.49	24.00	Complies
	5610 MHz	20.44	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.99	Complies
	5720 MHz (UNII 3)	12.97	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	23.05	Complies
	5720 MHz (UNII 3)	12.82	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	24.00	Complies
	5710 MHz (UNII 3)	9.48	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	24.00	Complies
	5690 MHz (UNII 3)	6.13	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.80) = 22.99\text{dBm} < 24\text{dBm}$, so limit = 22.99dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(16.04) = 23.05\text{dBm} < 24\text{dBm}$, so limit = 23.05dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	19.09	20.96	23.14	24.00	Complies
	5300 MHz	19.49	20.92	23.27	24.00	Complies
	5320 MHz	19.26	20.89	23.16	24.00	Complies
	5500 MHz	18.16	20.95	22.79	24.00	Complies
	5580 MHz	18.25	20.90	22.78	24.00	Complies
	5700 MHz	18.34	20.78	22.74	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	19.05	20.89	23.08	24.00	Complies
	5300 MHz	19.04	20.89	23.07	24.00	Complies
	5320 MHz	18.93	20.90	23.04	24.00	Complies
	5500 MHz	18.53	20.94	22.91	24.00	Complies
	5580 MHz	17.74	20.86	22.58	24.00	Complies
	5700 MHz	18.09	20.46	22.45	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	24.00	Complies
	5310 MHz	16.94	18.16	20.60	24.00	Complies
	5510 MHz	17.24	18.75	21.07	24.00	Complies
	5550 MHz	18.83	20.91	23.00	24.00	Complies
	5670 MHz	18.97	20.69	22.92	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.53	16.14	18.42	24.00	Complies
	5530 MHz	16.23	17.62	19.99	24.00	Complies
	5610 MHz	18.52	20.84	22.84	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.99	18.18	20.23	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.75	14.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.61	17.83	19.87	22.95	Complies
	5720 MHz (UNII 3)	10.53	12.74	14.78	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	24.00	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	24.00	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	16.33	17.85	16.23	21.64	24.00	Complies
	5300 MHz	16.29	17.77	16.46	21.66	24.00	Complies
	5320 MHz	16.41	17.86	16.51	21.75	24.00	Complies
	5500 MHz	15.63	18.06	16.43	21.60	24.00	Complies
	5580 MHz	15.82	18.28	16.36	21.72	24.00	Complies
	5700 MHz	15.53	17.86	16.81	21.61	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.53	17.67	16.52	21.71	24.00	Complies
	5300 MHz	16.22	17.87	16.54	21.71	24.00	Complies
	5320 MHz	16.48	17.57	16.67	21.70	24.00	Complies
	5500 MHz	15.86	18.22	16.45	21.73	24.00	Complies
	5580 MHz	15.77	18.17	16.37	21.66	24.00	Complies
	5700 MHz	15.36	17.71	16.69	21.46	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.74	19.87	18.66	23.90	24.00	Complies
	5310 MHz	14.55	15.75	15.11	19.94	24.00	Complies
	5510 MHz	16.22	17.85	17.65	22.07	24.00	Complies
	5550 MHz	18.32	19.84	19.32	23.98	24.00	Complies
	5670 MHz	18.07	19.56	19.15	23.74	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.58	15.47	14.64	19.40	24.00	Complies
	5530 MHz	15.73	16.83	17.56	21.54	24.00	Complies
	5610 MHz	17.38	19.83	19.44	23.78	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	15.84	18.00	17.37	21.93	22.85	Complies
	5720 MHz (UNII 3)	10.15	12.16	11.89	16.26	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	16.05	17.71	17.39	21.88	22.95	Complies
	5720 MHz (UNII 3)	10.42	12.21	11.96	16.37	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.08	18.68	18.02	22.75	24.00	Complies
	5710 MHz (UNII 3)	7.25	8.36	8.31	12.77	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.91	19.84	19.07	23.54	24.00	Complies
	5690 MHz (UNII 3)	3.40	6.26	5.84	10.11	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.32) = 22.85\text{dBm} < 24\text{dBm}$, so limit = 22.85dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	14.42	16.17	14.83	14.34	21.03	24.00	Complies
	5300 MHz	14.02	15.87	14.76	14.41	20.84	24.00	Complies
	5320 MHz	14.12	15.94	14.91	14.42	20.92	24.00	Complies
	5500 MHz	13.93	16.51	14.88	14.25	21.03	24.00	Complies
	5580 MHz	14.19	16.45	14.93	14.49	21.13	24.00	Complies
	5700 MHz	13.54	16.13	15.49	14.24	20.99	24.00	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	14.69	16.03	15.06	14.43	21.12	24.00	Complies
	5300 MHz	14.12	16.05	14.79	14.79	21.02	24.00	Complies
	5320 MHz	14.28	15.81	15.02	14.42	20.95	24.00	Complies
	5500 MHz	14.12	16.63	14.63	14.79	21.17	24.00	Complies
	5580 MHz	14.08	16.65	14.69	14.48	21.12	24.00	Complies
	5700 MHz	13.61	15.94	15.41	14.56	20.99	24.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.46	18.66	17.51	17.53	23.84	24.00	Complies
	5310 MHz	14.09	14.96	14.47	14.11	20.44	24.00	Complies
	5510 MHz	15.86	17.48	17.24	17.67	23.14	24.00	Complies
	5550 MHz	16.40	18.29	17.63	18.21	23.72	24.00	Complies
	5670 MHz	17.03	18.66	17.51	18.07	23.88	24.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.38	14.29	13.48	12.72	19.30	24.00	Complies
	5530 MHz	14.55	16.15	16.67	15.92	21.91	24.00	Complies
	5610 MHz	16.05	18.66	18.11	17.65	23.74	24.00	Complies

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	13.35	15.08	14.68	15.23	20.67	22.95	Complies
	5720 MHz (UNII 3)	7.01	9.01	8.58	9.05	14.51	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	13.01	15.29	14.82	15.18	20.69	22.89	Complies
	5720 MHz (UNII 3)	7.43	9.90	9.35	9.56	15.18	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.78	18.17	17.68	17.88	23.68	24.00	Complies
	5710 MHz (UNII 3)	7.06	8.07	8.06	8.02	13.84	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	24.00	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	30.00	Complies

(UNII 2C)

Note:

For 802.11a

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.68) = 22.95\text{dBm} < 24\text{dBm}$, so limit = 22.95dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B)$; $11 + 10\log(15.44) = 22.89\text{dBm} < 24\text{dBm}$, so limit = 22.89dBm.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	20.92	23.20	Complies
	5300 MHz	20.91	23.20	Complies
	5320 MHz	20.13	23.20	Complies
	5500 MHz	19.78	23.20	Complies
	5580 MHz	20.91	23.20	Complies
	5700 MHz	17.76	23.20	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.87	23.20	Complies
	5300 MHz	20.97	23.20	Complies
	5320 MHz	19.71	23.20	Complies
	5500 MHz	19.40	23.20	Complies
	5580 MHz	20.94	23.20	Complies
	5700 MHz	17.58	23.20	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.88	23.20	Complies
	5310 MHz	13.49	23.20	Complies
	5510 MHz	17.25	23.20	Complies
	5550 MHz	20.92	23.20	Complies
	5670 MHz	18.84	23.20	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.37	23.20	Complies
	5530 MHz	19.22	23.20	Complies
	5610 MHz	19.02	23.20	Complies

Note: Antenna gain=6.80dBi > 6dBi, so the limit $24-(6.80-6)=23.20\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.91	22.19	Complies
	5720 MHz (UNII 3)	12.97	29.20	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.13	22.25	Complies
	5720 MHz (UNII 3)	12.82	29.20	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.43	23.20	Complies
	5710 MHz (UNII 3)	9.48	29.20	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	19.76	23.20	Complies
	5690 MHz (UNII 3)	6.13	29.20	Complies

(UNII 2C)

Note 1:

For 802.11a

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.80) - (6.80 - 6) = 22.19\text{dBm} < 24\text{dBm}$, so limit = 22.19dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(16.04) - (6.80 - 6) = 22.25\text{dBm} < 24\text{dBm}$, so limit = 22.25dBm.

Note 2: Antenna gain = 6.80dBi > 6dBi, so the limit $24 - (6.80 - 6) = 23.20\text{dBm}$.

(UNII 3)

Note 1: Antenna gain = 6.80dBi > 6dBi, so the limit $30 - (6.80 - 6) = 29.20\text{dBm}$.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	16.48	18.51	20.62	23.20	Complies
	5300 MHz	16.15	18.05	20.21	23.20	Complies
	5320 MHz	16.38	17.97	20.26	23.20	Complies
	5500 MHz	15.69	18.44	20.29	23.20	Complies
	5580 MHz	15.96	18.57	20.47	23.20	Complies
	5700 MHz	16.22	18.72	20.66	23.20	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.37	18.19	20.38	23.20	Complies
	5300 MHz	16.12	18.11	20.24	23.20	Complies
	5320 MHz	16.31	18.47	20.53	23.20	Complies
	5500 MHz	15.71	18.66	20.44	23.20	Complies
	5580 MHz	15.89	18.67	20.51	23.20	Complies
	5700 MHz	15.67	18.51	20.33	23.20	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	23.20	Complies
	5310 MHz	13.66	14.74	17.24	23.20	Complies
	5510 MHz	17.16	18.64	20.97	23.20	Complies
	5550 MHz	18.83	20.91	23.00	23.20	Complies
	5670 MHz	17.56	18.92	21.30	23.20	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.62	14.31	16.56	23.20	Complies
	5530 MHz	15.84	17.02	19.48	23.20	Complies
	5610 MHz	18.52	20.84	22.84	23.20	Complies

Note: Antenna gain=6.80dBi > 6dBi, so the limit $24-(6.80-6)=23.20$ dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	16.25	17.87	20.15	22.05	Complies
	5720 MHz (UNII 3)	9.96	11.72	13.94	29.20	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	16.09	18.08	20.21	22.15	Complies
	5720 MHz (UNII 3)	10.40	12.53	14.60	29.20	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.73	18.47	20.70	23.20	Complies
	5710 MHz (UNII 3)	7.23	9.00	11.21	29.20	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.70	19.43	21.29	23.20	Complies
	5690 MHz (UNII 3)	3.34	6.04	7.91	29.20	Complies

(UNII 2C)

Note 1:

For 802.11a

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.32) - (6.80 - 6) = 22.05\text{dBm} < 24\text{dBm}$, so limit = 22.05dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.68) - (6.80 - 6) = 22.15\text{dBm} < 24\text{dBm}$, so limit = 22.15dBm.

Note 2: Antenna gain = 6.80dBi > 6dBi, so the limit $24 - (6.80 - 6) = 23.20\text{dBm}$.

(UNII 3)

Note 1: Antenna gain = 6.80dBi > 6dBi, so the limit $30 - (6.80 - 6) = 29.20\text{dBm}$.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	13.42	14.82	13.97	18.88	23.20	Complies
	5300 MHz	12.92	14.06	13.61	18.33	23.20	Complies
	5320 MHz	12.93	14.25	14.01	18.54	23.20	Complies
	5500 MHz	12.66	14.57	13.68	18.48	23.20	Complies
	5580 MHz	12.87	14.65	13.48	18.50	23.20	Complies
	5700 MHz	12.49	13.94	14.48	18.49	23.20	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	13.18	14.72	13.91	18.75	23.20	Complies
	5300 MHz	12.86	14.55	13.61	18.50	23.20	Complies
	5320 MHz	12.76	14.42	13.82	18.49	23.20	Complies
	5500 MHz	12.37	14.74	13.89	18.55	23.20	Complies
	5580 MHz	12.45	14.71	13.64	18.47	23.20	Complies
	5700 MHz	12.63	14.26	14.49	18.64	23.20	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	16.04	17.12	16.51	21.35	23.20	Complies
	5310 MHz	9.66	10.73	10.94	15.25	23.20	Complies
	5510 MHz	16.01	17.51	17.34	21.77	23.20	Complies
	5550 MHz	16.12	17.32	17.28	21.71	23.20	Complies
	5670 MHz	14.53	15.55	15.34	19.93	23.20	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	7.63	9.91	9.48	13.88	23.20	Complies
	5530 MHz	11.08	11.65	12.17	16.43	23.20	Complies
	5610 MHz	15.38	16.92	17.09	21.30	23.20	Complies

Note: Antenna gain=6.80dBi > 6dBi, so the limit 24-(6.80-6)=23.20dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	12.96	14.84	14.32	18.88	22.09	Complies
	5720 MHz (UNII 3)	7.19	8.96	8.72	13.13	29.20	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	12.52	14.34	14.07	18.49	22.15	Complies
	5720 MHz (UNII 3)	6.89	8.93	8.63	13.01	29.20	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.11	17.75	16.78	21.70	23.20	Complies
	5710 MHz (UNII 3)	5.82	7.68	7.01	11.67	29.20	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.05	19.12	18.56	23.10	23.20	Complies
	5690 MHz (UNII 3)	3.20	5.39	5.29	9.51	29.20	Complies

(UNII 2C)

Note 1:

For 802.11a

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.44) - (6.80 - 6) = 22.09\text{dBm} < 24\text{dBm}$, so limit = 22.09dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.68) - (6.80 - 6) = 22.15\text{dBm} < 24\text{dBm}$, so limit = 22.15dBm.

Note 2: Antenna gain = 6.80dBi > 6dBi, so the limit $24 - (6.80 - 6) = 23.20\text{dBm}$.

(UNII 3)

Note 1: Antenna gain = 6.80dBi > 6dBi, so the limit $30 - (6.80 - 6) = 29.20\text{dBm}$.

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5260 MHz	10.87	12.43	11.44	11.67	17.66	23.20	Complies
	5300 MHz	10.69	12.23	11.45	11.48	17.52	23.20	Complies
	5320 MHz	10.63	12.52	11.16	11.39	17.50	23.20	Complies
	5500 MHz	10.46	12.87	11.87	11.56	17.79	23.20	Complies
	5580 MHz	10.33	13.07	11.61	11.62	17.79	23.20	Complies
	5700 MHz	9.62	12.23	11.67	11.78	17.45	23.20	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	10.82	12.24	11.02	11.06	17.34	23.20	Complies
	5300 MHz	10.48	12.09	11.21	11.39	17.35	23.20	Complies
	5320 MHz	10.83	12.29	11.18	11.12	17.41	23.20	Complies
	5500 MHz	10.13	12.79	10.95	11.32	17.43	23.20	Complies
	5580 MHz	10.37	13.17	11.37	11.55	17.76	23.20	Complies
	5700 MHz	10.02	12.57	11.79	11.97	17.71	23.20	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	13.86	15.13	14.33	14.59	20.52	23.20	Complies
	5310 MHz	9.80	11.29	10.76	10.81	16.72	23.20	Complies
	5510 MHz	13.72	14.93	14.50	15.83	20.83	23.20	Complies
	5550 MHz	13.63	14.96	14.46	15.77	20.79	23.20	Complies
	5670 MHz	13.17	15.01	14.79	14.63	20.48	23.20	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	8.16	10.08	8.59	8.68	14.96	23.20	Complies
	5530 MHz	9.42	10.47	11.14	11.41	16.70	23.20	Complies
	5610 MHz	15.72	18.02	16.78	17.54	23.12	23.20	Complies

Note: Antenna gain=6.80dBi > 6dBi, so the limit $24-(6.80-6)=23.20$ dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11a	5720 MHz (UNII 2C)	10.52	12.21	11.88	11.00	17.48	22.12	Complies
	5720 MHz (UNII 3)	4.09	6.48	4.95	4.91	11.22	29.20	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	10.54	12.34	12.08	11.02	17.58	22.15	Complies
	5720 MHz (UNII 3)	4.97	7.02	6.91	5.41	12.19	29.20	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	13.63	15.34	14.46	15.02	20.68	23.20	Complies
	5710 MHz (UNII 3)	3.45	5.21	4.54	4.86	10.58	29.20	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.58	16.34	15.41	14.72	21.15	23.20	Complies
	5690 MHz (UNII 3)	0.11	2.83	2.37	0.85	7.70	29.20	Complies

(UNII 2C)

Note 1:

For 802.11a

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.56) - (6.80 - 6) = 22.12\text{dBm} < 24\text{dBm}$, so limit = 22.12dBm.

For 802.11ac VHT20

5720 MHz power limit = $11 + 10\log(B); 11 + 10\log(15.68) - (6.80 - 6) = 22.15\text{dBm} < 24\text{dBm}$, so limit = 22.15dBm.

Note 2: Antenna gain = 6.80dBi > 6dBi, so the limit $24 - (6.80 - 6) = 23.20\text{dBm}$.

(UNII 3)

Note 1: Antenna gain = 6.80dBi > 6dBi, so the limit $30 - (6.80 - 6) = 29.20\text{dBm}$.

For Beamforming Mode

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	18.88	20.61	22.84	23.03	Complies
	5300 MHz	18.91	20.74	22.93	23.03	Complies
	5320 MHz	18.61	20.66	22.77	23.03	Complies
	5500 MHz	18.53	20.94	22.91	23.03	Complies
	5580 MHz	17.74	20.86	22.58	23.03	Complies
	5700 MHz	16.09	18.35	20.38	23.03	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.79	20.88	22.97	23.03	Complies
	5310 MHz	14.69	16.14	18.49	23.03	Complies
	5510 MHz	16.39	17.59	20.04	23.03	Complies
	5550 MHz	18.83	20.91	23.00	23.03	Complies
	5670 MHz	17.56	18.92	21.30	23.03	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.31	13.79	16.12	23.03	Complies
	5530 MHz	15.35	16.76	19.12	23.03	Complies
	5610 MHz	16.54	18.91	20.90	23.03	Complies

Note:

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97\text{dBi} > 6\text{dBi}, \text{ so the limit } 24 - (6.97 - 6) = 23.03\text{dBm}.$$

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac	5720 MHz (UNII 2C)	15.61	17.83	19.87	21.98	Complies
MCS0/Nss1 VHT20	5720 MHz (UNII 3)	10.53	12.74	14.78	29.03	Complies
802.11ac	5710 MHz (UNII 2C)	16.73	18.47	20.70	23.03	Complies
MCS0/Nss1 VHT40	5710 MHz (UNII 3)	7.23	9.00	11.21	29.03	Complies
802.11ac	5690 MHz (UNII 2C)	16.70	19.43	21.29	23.03	Complies
MCS0/Nss1 VHT80	5690 MHz (UNII 3)	3.34	6.04	7.91	29.03	Complies

(UNII 2C)

Note 1:

For 802.11ac VHT20

5720 MHz power limit = $11 + 10 \log(B); 11 + 10 \log(15.68) - (6.97 - 6) = 21.98 \text{ dBm} < 24 \text{ dBm}$, so limit = 21.98 dBm.

Note 2:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 24 - (6.97 - 6) = 23.03 \text{ dBm}.$$

(UNII 3)

Note 1:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 6.97 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (6.97 - 6) = 29.03 \text{ dBm}.$$

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.07	17.39	15.78	21.24	21.27	Complies
	5300 MHz	15.74	17.37	16.04	21.21	21.27	Complies
	5320 MHz	15.82	17.22	15.96	21.15	21.27	Complies
	5500 MHz	15.28	17.54	16.13	21.19	21.27	Complies
	5580 MHz	15.38	17.64	16.08	21.24	21.27	Complies
	5700 MHz	15.08	17.48	16.28	21.16	21.27	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	15.88	16.77	16.01	21.01	21.27	Complies
	5310 MHz	11.85	13.04	12.01	17.10	21.27	Complies
	5510 MHz	15.28	17.07	16.32	21.06	21.27	Complies
	5550 MHz	15.48	16.88	16.29	21.03	21.27	Complies
	5670 MHz	15.58	17.11	16.14	21.09	21.27	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.04	13.05	11.63	16.76	21.27	Complies
	5530 MHz	15.46	17.01	16.76	21.23	21.27	Complies
	5610 MHz	15.17	17.31	16.36	21.14	21.27	Complies

Note:

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73\text{dBi} > 6\text{dBi}, \text{ so the limit } 24 - (8.73 - 6) = 21.27\text{dBm}.$$

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac	5720 MHz (UNII 2C)	13.87	15.68	14.65	19.57	20.19	Complies
MCS0/Nss1 VHT20	5720 MHz (UNII 3)	8.36	10.01	9.22	14.02	27.27	Complies
802.11ac	5710 MHz (UNII 2C)	15.58	17.19	16.08	21.11	21.27	Complies
MCS0/Nss1 VHT40	5710 MHz (UNII 3)	5.80	6.91	6.19	11.10	27.27	Complies
802.11ac	5690 MHz (UNII 2C)	14.94	17.40	16.09	21.03	21.27	Complies
MCS0/Nss1 VHT80	5690 MHz (UNII 3)	1.53	3.45	2.63	7.38	27.27	Complies

(UNII 2C)

Note 1:

For 802.11ac VHT20

5720 MHz power limit = $11 + 10 \log(B); 11 + 10 \log(15.56) - (8.73 - 6) = 20.19 \text{ dBm} < 24 \text{ dBm}$, so limit = 20.19 dBm.

Note 2:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 24 - (8.73 - 6) = 21.27 \text{ dBm}.$$

(UNII 3)

Note 1:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.73 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (8.73 - 6) = 27.27 \text{ dBm}.$$

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	13.29	14.65	13.86	13.66	19.91	20.02	Complies
	5300 MHz	13.28	14.69	13.55	13.85	19.90	20.02	Complies
	5320 MHz	13.57	14.87	13.48	13.71	19.97	20.02	Complies
	5500 MHz	13.15	15.13	13.16	14.01	19.96	20.02	Complies
	5580 MHz	13.02	15.28	13.01	14.02	19.96	20.02	Complies
	5700 MHz	12.53	14.66	13.79	14.32	19.92	20.02	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	13.85	14.26	13.72	13.89	19.96	20.02	Complies
	5310 MHz	11.61	12.83	12.05	12.13	18.20	20.02	Complies
	5510 MHz	13.16	14.19	13.32	14.68	19.90	20.02	Complies
	5550 MHz	13.18	14.17	13.29	14.74	19.91	20.02	Complies
	5670 MHz	13.19	14.78	13.68	13.86	19.94	20.02	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	10.25	12.15	11.06	11.07	17.21	20.02	Complies
	5530 MHz	12.63	13.84	13.64	14.38	19.69	20.02	Complies
	5610 MHz	12.86	14.83	13.72	13.96	19.92	20.02	Complies

Note:

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98\text{dBi} > 6\text{dBi}, \text{ so the limit } 24 - (9.98 - 6) = 20.02\text{dBm}.$$

Straddle Channel

Mode	Frequency	Conducted Power (dBm)					Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Chain 4	Total		
802.11ac	5720 MHz (UNII 2C)	11.42	13.57	12.79	13.07	18.80	18.97	Complies
MCS0/Nss1 VHT20	5720 MHz (UNII 3)	5.79	8.13	7.27	7.48	13.27	26.02	Complies
802.11ac	5710 MHz (UNII 2C)	12.89	14.33	13.73	13.57	19.68	20.02	Complies
MCS0/Nss1 VHT40	5710 MHz (UNII 3)	3.12	4.17	3.90	3.69	9.76	26.02	Complies
802.11ac	5690 MHz (UNII 2C)	12.50	14.56	13.58	13.86	19.71	20.02	Complies
MCS0/Nss1 VHT80	5690 MHz (UNII 3)	-0.88	0.70	0.14	0.10	6.07	26.02	Complies

(UNII 2C)

Note 1:

For 802.11ac VHT20

5720 MHz power limit = $11 + 10 \log(B)$; $11 + 10 \log(15.68) - (9.98 - 6) = 18.97 \text{ dBm} < 24 \text{ dBm}$, so limit = 18.97 dBm.

Note 2:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 24 - (9.98 - 6) = 20.02 \text{ dBm}.$$

(UNII 3)

Note 1:

$$\text{Directional Gain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.98 \text{ dBi} > 6 \text{ dBi}, \text{ so the limit } 30 - (9.98 - 6) = 26.02 \text{ dBm}.$$