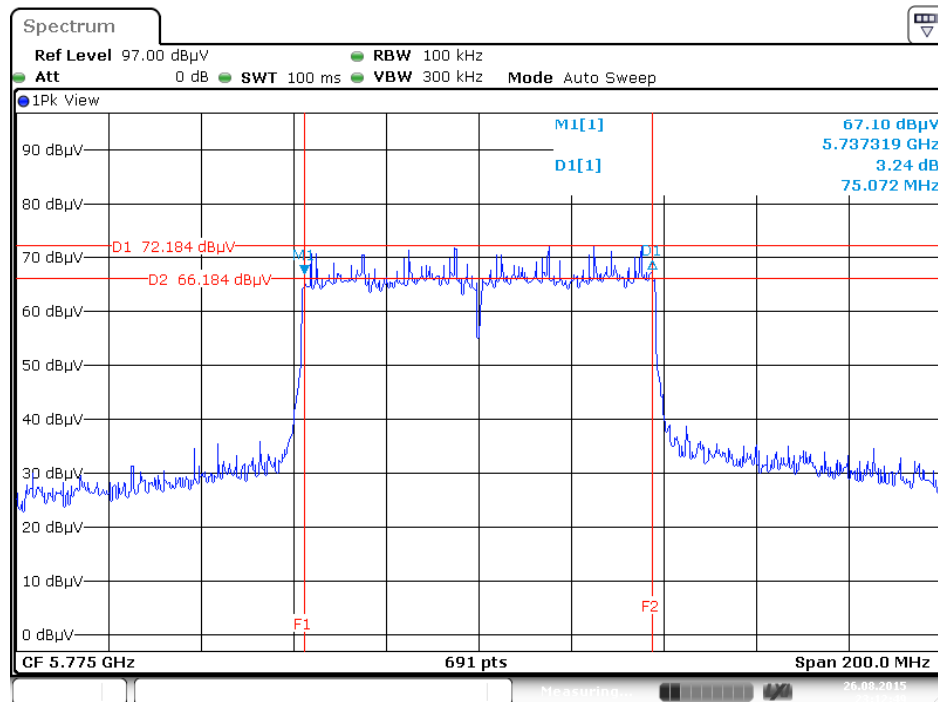


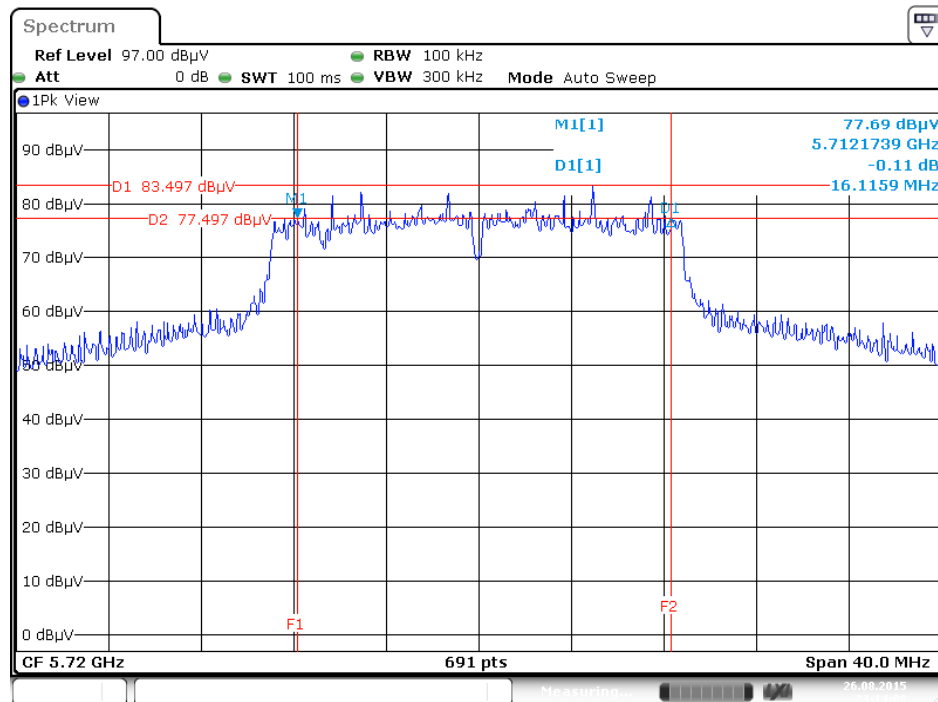
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



Date: 26 AUG. 2015 23:12:49

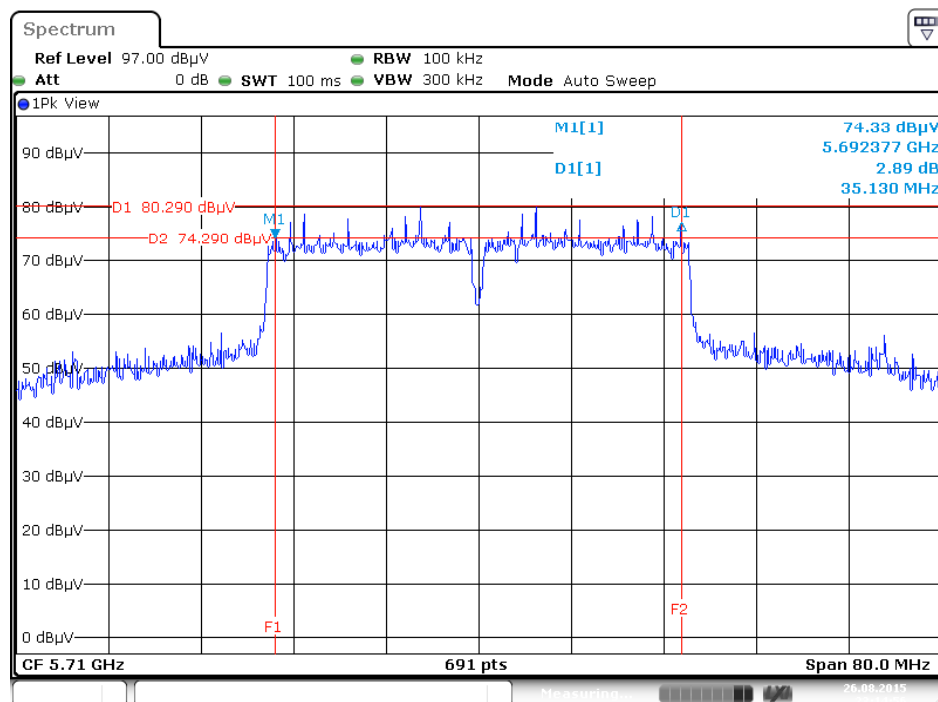
Straddle Channel

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



Date: 26 AUG .2015 23:14:08

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



Date: 26 AUG .2015 23:14:56



Spectrum

Ref Level 97.00 dBμV

Att 0 dB

SWT 100 ms

RBW 100 kHz

VBW 300 kHz

Mode Auto Sweep

1Pk View

71.72 dBμV

5.652319 GHz

-0.68 dB

75.362 MHz

D1 76.713 dBμV

D2 70.713 dBμV

F1

F2

CF 5.69 GHz

691 pts

Span 200.0 MHz

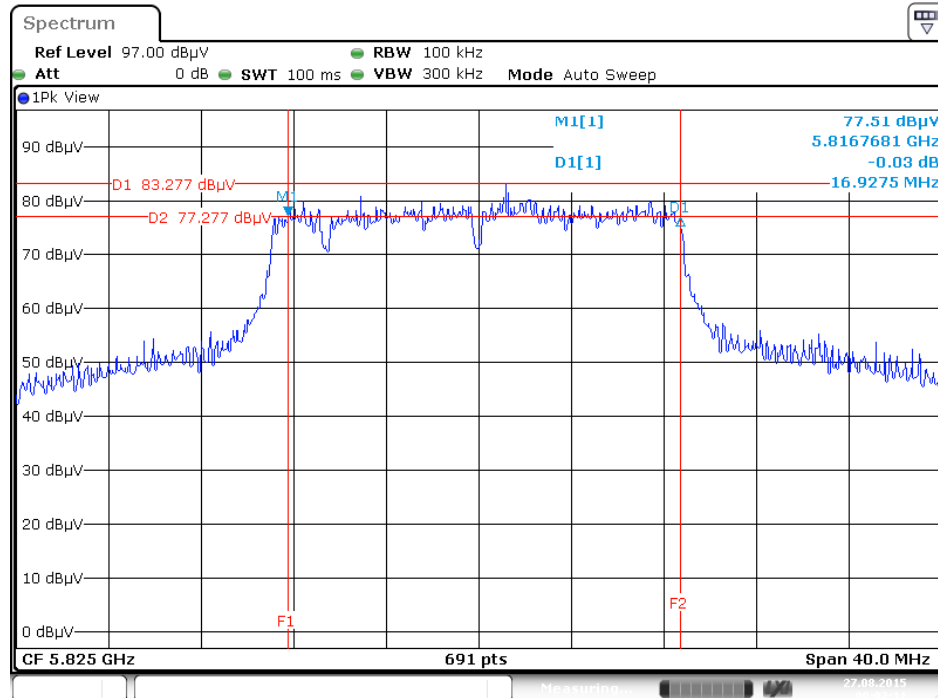
Measuring...

26.09.2015

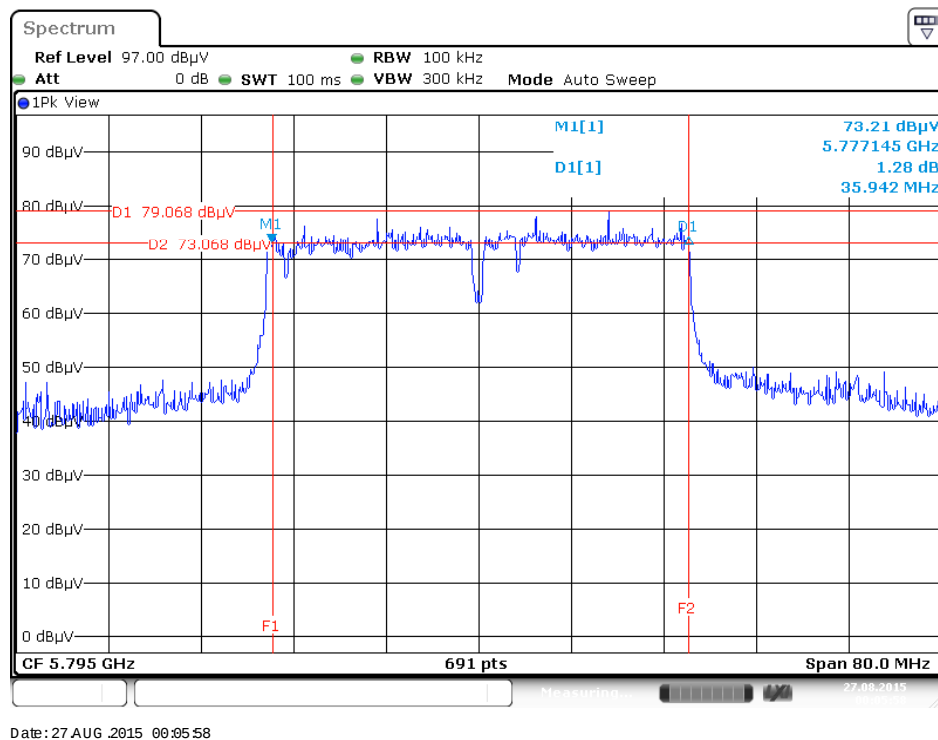
Issued Date : Oct. 08, 2015

Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

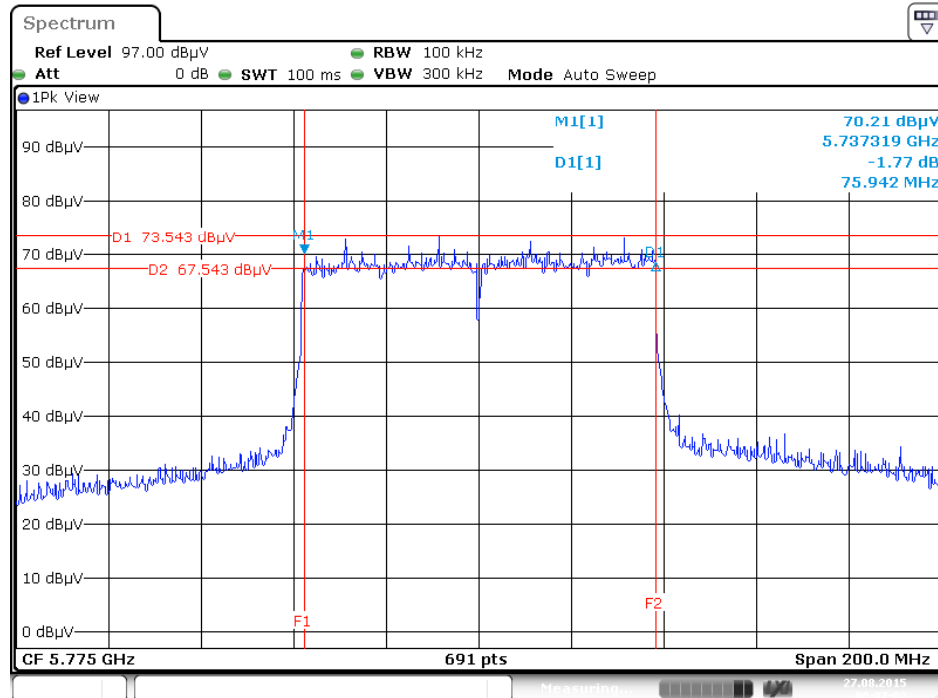
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5825 MHz



6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



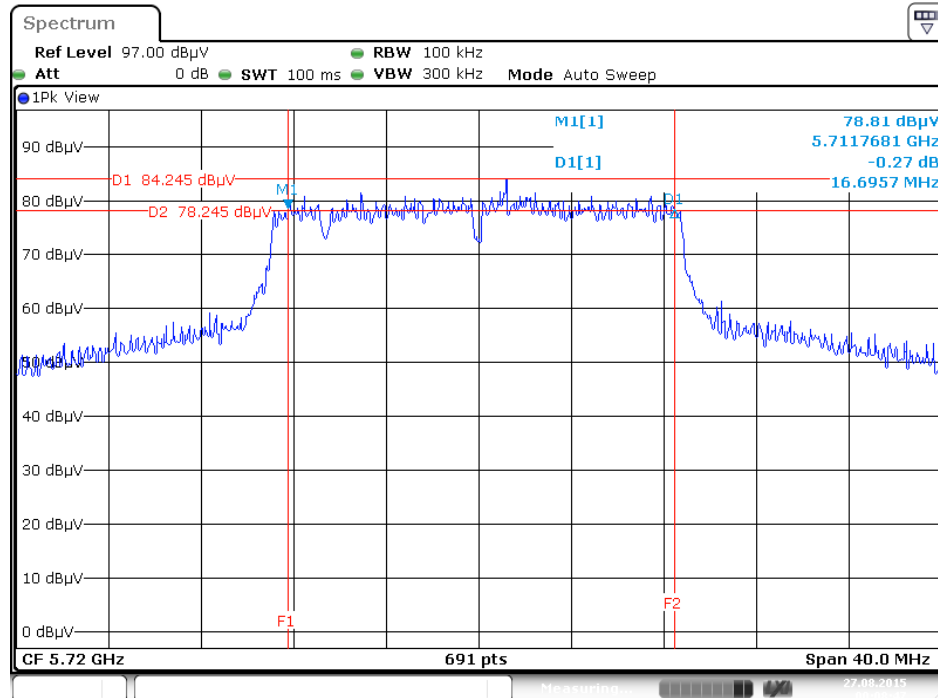
6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Date: 27 AUG .2015 00:07:02

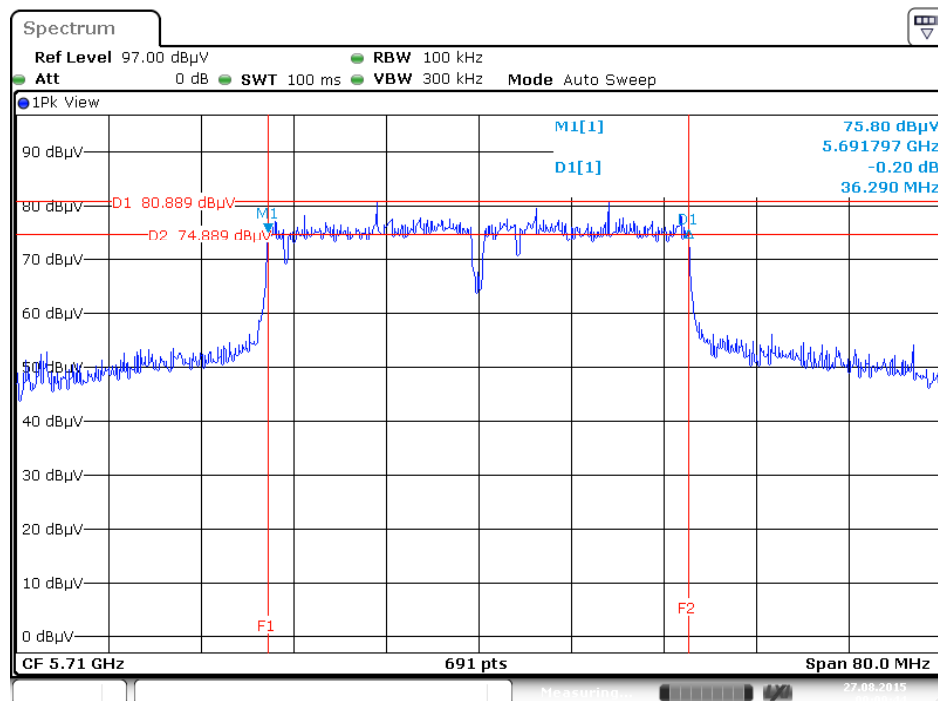
Straddle Channel

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



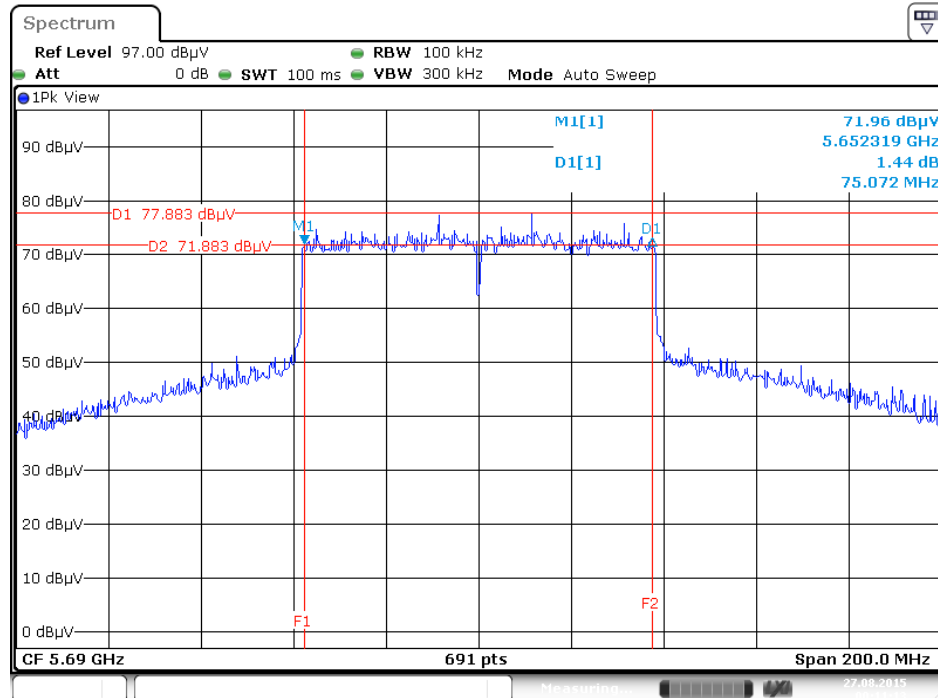
Date: 27 AUG .2015 00:08:48

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



Date: 27 AUG .2015 00:09:44

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



Date: 27 AUG .2015 00:11:14

4.4. Maximum Conducted Output Power Measurement

4.4.1. Limit

Frequency Band		Limit
☒	5.15~5.25 GHz	
	Operating Mode	
	☒ Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
	☒ Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.
	☐ Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
	☐ Mobile and portable client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.

☒	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.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

4.4.2. 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	1000 kHz
VBW	3000 kHz
Detector	RMS
Trace	Average Sweep count 100
Sweep Time	Auto

4.4.3. Test Procedures

For other channel:

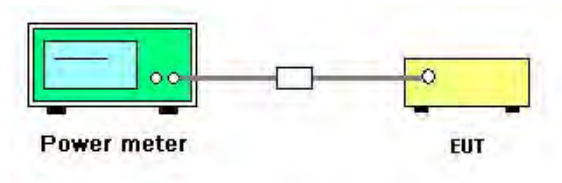
1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (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:

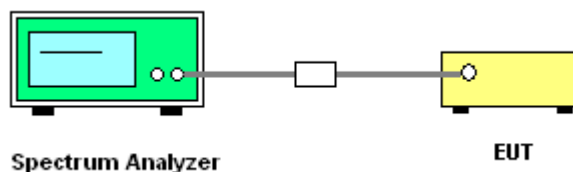
1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Test was performed in accordance with FCC Public Notice DA 02-2138, August 30, 2002.

4.4.4. Test Setup Layout

For other channel:



For straddle channel:



4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.4.7. Test Result of Maximum Conducted Output Power

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

For indoor use

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5180 MHz	18.22	25.30	Complies
	5200 MHz	21.61	25.30	Complies
	5240 MHz	20.25	25.30	Complies
802.11n MCS0 HT20	5180 MHz	18.29	25.30	Complies
	5200 MHz	21.66	25.30	Complies
	5240 MHz	20.34	25.30	Complies
802.11n MCS0 HT40	5190 MHz	16.66	25.30	Complies
	5230 MHz	19.98	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	18.22	25.30	Complies
	5200 MHz	21.61	25.30	Complies
	5240 MHz	20.25	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.68	25.30	Complies
	5230 MHz	20.04	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	16.16	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit $30-(10.70-6)=25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	17.44	18.11	20.80	25.30	Complies
	5200 MHz	21.22	21.68	24.47	25.30	Complies
	5240 MHz	19.59	20.09	22.86	25.30	Complies
802.11n MCS0 HT20	5180 MHz	17.46	18.22	20.87	25.30	Complies
	5200 MHz	21.20	21.70	24.47	25.30	Complies
	5240 MHz	19.67	20.17	22.94	25.30	Complies
802.11n MCS0 HT40	5190 MHz	16.53	17.06	19.81	25.30	Complies
	5230 MHz	19.89	20.31	23.12	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	17.48	18.12	20.82	25.30	Complies
	5200 MHz	21.24	21.69	24.48	25.30	Complies
	5240 MHz	19.64	20.12	22.90	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.54	17.09	19.83	25.30	Complies
	5230 MHz	19.98	20.36	23.18	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.54	16.04	18.36	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit $30-(10.70-6)=25.30\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	16.83	17.79	16.36	21.81	25.30	Complies
	5200 MHz	17.88	18.59	17.69	22.84	25.30	Complies
	5240 MHz	17.94	18.66	17.85	22.94	25.30	Complies
802.11n MCS0 HT20	5180 MHz	16.81	17.77	16.35	21.79	25.30	Complies
	5200 MHz	17.88	18.68	17.69	22.88	25.30	Complies
	5240 MHz	17.87	18.61	17.85	22.90	25.30	Complies
802.11n MCS0 HT40	5190 MHz	14.77	15.83	14.36	19.80	25.30	Complies
	5230 MHz	18.39	19.32	18.35	23.48	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.82	17.76	16.37	21.79	25.30	Complies
	5200 MHz	17.96	18.67	17.72	22.91	25.30	Complies
	5240 MHz	17.95	18.65	17.88	22.95	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	14.78	15.82	14.39	19.81	25.30	Complies
	5230 MHz	18.41	19.36	18.32	23.49	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	11.83	13.22	11.89	17.13	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit $30-(10.70-6)=25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5180 MHz	19.41	30.00	Complies
	5200 MHz	21.65	30.00	Complies
	5240 MHz	21.77	30.00	Complies
802.11n MCS0 HT20	5180 MHz	19.33	30.00	Complies
	5200 MHz	21.68	30.00	Complies
	5240 MHz	21.78	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.13	30.00	Complies
	5230 MHz	21.09	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	19.59	30.00	Complies
	5200 MHz	21.79	30.00	Complies
	5240 MHz	21.89	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.25	30.00	Complies
	5230 MHz	21.14	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.68	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	17.44	18.11	20.80	30.00	Complies
	5200 MHz	21.22	21.68	24.47	30.00	Complies
	5240 MHz	20.28	20.88	23.60	30.00	Complies
802.11n MCS0 HT20	5180 MHz	17.46	18.22	20.87	30.00	Complies
	5200 MHz	21.20	21.70	24.47	30.00	Complies
	5240 MHz	20.32	20.93	23.65	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.82	17.42	20.14	30.00	Complies
	5230 MHz	20.22	20.74	23.50	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	17.48	18.12	20.82	30.00	Complies
	5200 MHz	21.24	21.69	24.48	30.00	Complies
	5240 MHz	20.35	20.94	23.67	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.84	17.44	20.16	30.00	Complies
	5230 MHz	20.22	20.74	23.50	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.57	17.02	19.37	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	18.47	19.56	18.29	23.58	30.00	Complies
	5200 MHz	19.41	20.18	19.33	24.43	30.00	Complies
	5240 MHz	19.47	20.17	19.37	24.46	30.00	Complies
802.11n MCS0 HT20	5180 MHz	18.44	19.53	18.31	23.57	30.00	Complies
	5200 MHz	19.45	20.07	19.31	24.39	30.00	Complies
	5240 MHz	19.48	20.20	19.34	24.46	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.45	17.35	16.37	21.52	30.00	Complies
	5230 MHz	19.54	20.12	19.49	24.50	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	18.49	19.54	18.32	23.59	30.00	Complies
	5200 MHz	19.43	20.23	19.36	24.46	30.00	Complies
	5240 MHz	19.46	20.19	19.34	24.45	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.48	17.36	16.33	21.52	30.00	Complies
	5230 MHz	19.56	20.22	19.41	24.52	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.56	16.68	15.58	20.74	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5180 MHz	13.55	25.30	Complies
	5200 MHz	13.58	25.30	Complies
	5240 MHz	13.55	25.30	Complies
	5260 MHz	19.19	19.30	Complies
802.11n MCS0 HT20	5180 MHz	13.57	25.30	Complies
	5200 MHz	13.61	25.30	Complies
	5240 MHz	13.56	25.30	Complies
802.11n MCS0 HT40	5190 MHz	13.62	25.30	Complies
	5230 MHz	13.46	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	13.62	25.30	Complies
	5200 MHz	13.60	25.30	Complies
	5240 MHz	13.57	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	13.64	25.30	Complies
	5230 MHz	13.49	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	13.52	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit $30-(10.70-6)=25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	9.63	11.16	13.47	25.30	Complies
	5200 MHz	9.49	11.22	13.45	25.30	Complies
	5240 MHz	9.88	10.94	13.45	25.30	Complies
802.11n MCS0 HT20	5180 MHz	9.71	11.09	13.46	25.30	Complies
	5200 MHz	9.80	10.96	13.43	25.30	Complies
	5240 MHz	9.89	10.95	13.46	25.30	Complies
802.11n MCS0 HT40	5190 MHz	9.87	11.21	13.60	25.30	Complies
	5230 MHz	10.01	11.03	13.56	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	9.64	11.19	13.49	25.30	Complies
	5200 MHz	9.48	11.25	13.46	25.30	Complies
	5240 MHz	9.89	10.95	13.46	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	9.88	11.22	13.61	25.30	Complies
	5230 MHz	10.03	11.05	13.58	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	10.01	11.20	13.66	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 30-(10.70-6)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	8.44	9.61	8.19	13.56	25.30	Complies
	5200 MHz	8.35	9.62	8.40	13.60	25.30	Complies
	5240 MHz	8.58	9.25	8.53	13.57	25.30	Complies
802.11n MCS0 HT20	5180 MHz	8.48	9.66	8.31	13.63	25.30	Complies
	5200 MHz	8.38	9.57	8.37	13.58	25.30	Complies
	5240 MHz	8.56	9.28	8.49	13.56	25.30	Complies
802.11n MCS0 HT40	5190 MHz	8.45	9.42	8.12	13.47	25.30	Complies
	5230 MHz	8.37	9.42	8.35	13.51	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	8.47	9.68	8.33	13.64	25.30	Complies
	5200 MHz	8.37	9.62	8.45	13.62	25.30	Complies
	5240 MHz	8.59	9.31	8.66	13.64	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	8.49	9.47	8.17	13.52	25.30	Complies
	5230 MHz	8.36	9.47	8.38	13.54	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	8.25	9.79	8.42	13.65	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 30-(10.70-6)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5180 MHz	19.41	30.00	Complies
	5200 MHz	19.55	30.00	Complies
	5240 MHz	19.51	30.00	Complies
802.11n MCS0 HT20	5180 MHz	19.33	30.00	Complies
	5200 MHz	19.45	30.00	Complies
	5240 MHz	19.47	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.13	30.00	Complies
	5230 MHz	19.53	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	19.59	30.00	Complies
	5200 MHz	19.50	30.00	Complies
	5240 MHz	19.59	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.25	30.00	Complies
	5230 MHz	19.59	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.68	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	16.53	16.62	19.59	30.00	Complies
	5200 MHz	16.41	16.68	19.56	30.00	Complies
	5240 MHz	16.40	16.61	19.52	30.00	Complies
802.11n MCS0 HT20	5180 MHz	16.52	16.62	19.58	30.00	Complies
	5200 MHz	16.42	16.67	19.56	30.00	Complies
	5240 MHz	16.40	16.60	19.51	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.43	16.80	19.63	30.00	Complies
	5230 MHz	16.45	16.81	19.64	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.54	16.63	19.60	30.00	Complies
	5200 MHz	16.43	16.70	19.58	30.00	Complies
	5240 MHz	16.41	16.62	19.53	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.23	17.02	19.65	30.00	Complies
	5230 MHz	16.22	16.98	19.63	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.57	17.02	19.37	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	14.28	15.62	14.50	19.61	30.00	Complies
	5200 MHz	14.30	15.68	14.52	19.65	30.00	Complies
	5240 MHz	14.31	15.63	14.42	19.60	30.00	Complies
802.11n MCS0 HT20	5180 MHz	14.19	15.63	14.52	19.60	30.00	Complies
	5200 MHz	14.33	15.66	14.51	19.65	30.00	Complies
	5240 MHz	14.32	15.62	14.42	19.60	30.00	Complies
802.11n MCS0 HT40	5190 MHz	14.29	15.81	14.29	19.63	30.00	Complies
	5230 MHz	14.77	15.45	13.91	19.53	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	14.30	15.60	14.51	19.61	30.00	Complies
	5200 MHz	14.31	15.69	14.53	19.66	30.00	Complies
	5240 MHz	14.32	15.66	14.43	19.62	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	14.32	15.85	14.31	19.66	30.00	Complies
	5230 MHz	14.79	15.55	13.92	19.58	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.22	15.44	14.47	19.51	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5180 MHz	16.61	30.00	Complies
	5200 MHz	16.55	30.00	Complies
	5240 MHz	16.57	30.00	Complies
802.11n MCS0 HT20	5180 MHz	16.55	30.00	Complies
	5200 MHz	16.59	30.00	Complies
	5240 MHz	16.53	30.00	Complies
802.11n MCS0 HT40	5190 MHz	16.45	30.00	Complies
	5230 MHz	16.61	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.61	30.00	Complies
	5200 MHz	16.65	30.00	Complies
	5240 MHz	16.67	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.42	30.00	Complies
	5230 MHz	16.61	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	16.32	30.00	Complies

Note: Antenna gain=5.10dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	13.17	14.13	16.69	30.00	Complies
	5200 MHz	13.19	14.11	16.68	30.00	Complies
	5240 MHz	12.81	14.14	16.54	30.00	Complies
802.11n MCS0 HT20	5180 MHz	13.03	14.13	16.63	30.00	Complies
	5200 MHz	13.12	14.16	16.68	30.00	Complies
	5240 MHz	13.12	14.05	16.62	30.00	Complies
802.11n MCS0 HT40	5190 MHz	13.20	13.81	16.53	30.00	Complies
	5230 MHz	13.07	14.15	16.65	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	13.04	14.20	16.67	30.00	Complies
	5200 MHz	12.99	14.26	16.68	30.00	Complies
	5240 MHz	12.95	14.14	16.60	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	12.85	14.04	16.50	30.00	Complies
	5230 MHz	13.12	14.15	16.68	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	12.99	14.18	16.64	30.00	Complies

Note: Antenna gain=5.10dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	11.75	12.62	11.21	16.67	30.00	Complies
	5200 MHz	11.91	12.62	11.05	16.68	30.00	Complies
	5240 MHz	11.52	12.54	11.32	16.60	30.00	Complies
802.11n MCS0 HT20	5180 MHz	11.76	12.68	11.08	16.66	30.00	Complies
	5200 MHz	11.83	12.65	11.08	16.67	30.00	Complies
	5240 MHz	11.55	12.55	11.33	16.61	30.00	Complies
802.11n MCS0 HT40	5190 MHz	11.31	12.76	11.14	16.57	30.00	Complies
	5230 MHz	11.61	12.56	11.24	16.61	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	11.79	12.69	11.11	16.68	30.00	Complies
	5200 MHz	11.89	12.63	11.06	16.68	30.00	Complies
	5240 MHz	11.54	12.56	11.37	16.63	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	11.36	12.72	11.17	16.58	30.00	Complies
	5230 MHz	11.62	12.53	11.21	16.59	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	11.08	12.64	11.48	16.56	30.00	Complies

Note: Antenna gain=5.10dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

For indoor / outdoor use

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5260 MHz	19.19	19.30	Complies
	5300 MHz	19.23	19.30	Complies
	5320 MHz	17.38	19.30	Complies
	5500 MHz	17.76	19.30	Complies
	5580 MHz	19.16	19.30	Complies
	5700 MHz	15.53	19.30	Complies
	5745 MHz	15.51	25.30	Complies
	5785 MHz	21.22	25.30	Complies
	5825 MHz	16.54	25.30	Complies
802.11n MCS0 HT20	5260 MHz	19.17	19.30	Complies
	5300 MHz	19.24	19.30	Complies
	5320 MHz	17.35	19.30	Complies
	5500 MHz	17.75	19.30	Complies
	5580 MHz	19.14	19.30	Complies
	5700 MHz	15.55	19.30	Complies
	5745 MHz	15.47	25.30	Complies
	5785 MHz	21.19	25.30	Complies
	5825 MHz	16.56	25.30	Complies
802.11n MCS0 HT40	5270 MHz	19.22	19.30	Complies
	5310 MHz	14.77	19.30	Complies
	5510 MHz	15.91	19.30	Complies
	5550 MHz	19.09	19.30	Complies
	5670 MHz	16.14	19.30	Complies
	5755 MHz	14.23	25.30	Complies
	5795 MHz	16.30	25.30	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	19.28	19.30	Complies
	5300 MHz	19.26	19.30	Complies
	5320 MHz	17.37	19.30	Complies
	5500 MHz	17.78	19.30	Complies
	5580 MHz	19.17	19.30	Complies
	5700 MHz	15.54	19.30	Complies
	5745 MHz	15.58	25.30	Complies
	5785 MHz	21.24	25.30	Complies
	5825 MHz	16.54	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	19.24	19.30	Complies
	5310 MHz	14.78	19.30	Complies
	5510 MHz	15.89	19.30	Complies
	5550 MHz	19.12	19.30	Complies
	5670 MHz	16.13	19.30	Complies
	5755 MHz	14.24	25.30	Complies
	5795 MHz	16.32	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.53	19.30	Complies
	5530 MHz	15.28	19.30	Complies
	5610 MHz	16.55	19.30	Complies
	5775 MHz	14.15	25.30	Complies

Note1: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: Antenna gain=10.70dBi >6dBi, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5720 MHz (UNII 2C)	17.80	19.30	Complies
	5720 MHz (UNII 3)	11.62	25.30	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	17.80	19.30	Complies
	5720 MHz (UNII 3)	11.62	25.30	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	18.97	19.30	Complies
	5710 MHz (UNII 3)	8.83	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	17.82	19.30	Complies
	5720 MHz (UNII 3)	12.22	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.07	19.30	Complies
	5710 MHz (UNII 3)	9.08	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.69	19.30	Complies
	5690 MHz (UNII 3)	3.87	25.30	Complies

Note1: Antenna gain=10.70dBi >6dBi, so the limit $24-(10.70-6)=19.30$ dBm.

Note2: Antenna gain=10.70dBi >6dBi, so the limit $30-(10.70-6)=25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	15.45	16.88	19.23	19.30	Complies
	5300 MHz	15.13	16.70	19.00	19.30	Complies
	5320 MHz	15.03	16.84	19.04	19.30	Complies
	5500 MHz	15.22	16.91	19.16	19.30	Complies
	5580 MHz	15.63	16.71	19.21	19.30	Complies
	5700 MHz	14.13	15.83	18.07	19.30	Complies
	5745 MHz	13.63	15.12	17.45	25.30	Complies
	5785 MHz	19.25	21.11	23.29	25.30	Complies
	5825 MHz	13.77	15.78	17.90	25.30	Complies
802.11n MCS0 HT20	5260 MHz	15.43	16.89	19.23	19.30	Complies
	5300 MHz	15.05	16.74	18.99	19.30	Complies
	5320 MHz	15.04	16.85	19.05	19.30	Complies
	5500 MHz	15.23	16.90	19.16	19.30	Complies
	5580 MHz	15.62	16.70	19.20	19.30	Complies
	5700 MHz	14.01	15.88	18.06	19.30	Complies
	5745 MHz	13.81	15.02	17.47	25.30	Complies
	5785 MHz	19.24	21.10	23.28	25.30	Complies
	5825 MHz	15.98	17.94	20.08	25.30	Complies
802.11n MCS0 HT40	5270 MHz	15.38	16.79	19.15	19.30	Complies
	5310 MHz	13.33	15.25	17.41	19.30	Complies
	5510 MHz	14.37	16.37	18.49	19.30	Complies
	5550 MHz	15.29	16.71	19.07	19.30	Complies
	5670 MHz	15.40	16.23	18.85	19.30	Complies
	5755 MHz	12.50	14.11	16.39	25.30	Complies
	5795 MHz	15.91	17.92	20.04	25.30	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	15.55	16.85	19.26	19.30	Complies
	5300 MHz	15.14	16.73	19.02	19.30	Complies
	5320 MHz	15.05	16.88	19.07	19.30	Complies
	5500 MHz	15.23	16.92	19.17	19.30	Complies
	5580 MHz	15.62	16.72	19.22	19.30	Complies
	5700 MHz	13.89	15.84	17.98	19.30	Complies
	5745 MHz	13.84	15.03	17.49	25.30	Complies
	5785 MHz	19.25	21.11	23.29	25.30	Complies
	5825 MHz	15.97	17.97	20.09	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	15.54	16.66	19.15	19.30	Complies
	5310 MHz	13.38	15.29	17.45	19.30	Complies
	5510 MHz	14.46	16.35	18.52	19.30	Complies
	5550 MHz	15.31	16.79	19.12	19.30	Complies
	5670 MHz	15.42	16.20	18.84	19.30	Complies
	5755 MHz	12.42	14.16	16.39	25.30	Complies
	5795 MHz	15.98	17.98	20.10	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.28	14.32	16.43	19.30	Complies
	5530 MHz	14.04	15.82	18.03	19.30	Complies
	5610 MHz	15.37	16.71	19.10	19.30	Complies
	5775 MHz	11.43	14.06	15.95	25.30	Complies

Note1: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: Antenna gain=10.70dBi >6dBi, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	12.85	14.65	16.85	18.14	Complies
	5720 MHz (UNII 3)	6.29	8.26	10.40	25.30	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	12.67	14.73	16.83	18.14	Complies
	5720 MHz (UNII 3)	6.74	8.98	11.01	25.30	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	15.09	16.90	19.10	19.30	Complies
	5710 MHz (UNII 3)	4.36	6.52	8.58	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	12.54	14.47	16.62	18.14	Complies
	5720 MHz (UNII 3)	6.61	8.72	10.80	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	15.20	16.91	19.15	19.30	Complies
	5710 MHz (UNII 3)	4.46	6.51	8.62	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	15.00	17.08	19.17	19.30	Complies
	5690 MHz (UNII 3)	-0.08	2.97	4.72	25.30	Complies

(UNII 2C)

Note1: Antenna gain=10.70dBi >6dBi, so the limit $24-(10.70-6)=19.30$ dBm.

Note2: 5720 MHz limit=11+10log(15.26)=22.84dBm<24dBm, so limit=22.84-(10.70-6)=18.14dBm.

(UNII 3)

Note1: Antenna gain=10.70dBi >6dBi, so the limit $30-(10.70-6)=25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	12.53	13.39	12.27	17.53	19.30	Complies
	5300 MHz	11.91	13.63	12.05	17.37	19.30	Complies
	5320 MHz	11.93	13.72	12.21	17.46	19.30	Complies
	5500 MHz	12.18	13.26	12.57	17.46	19.30	Complies
	5580 MHz	12.18	13.54	12.31	17.49	19.30	Complies
	5700 MHz	11.72	13.52	12.49	17.41	19.30	Complies
	5745 MHz	13.01	15.26	15.29	19.41	25.30	Complies
	5785 MHz	18.54	20.55	19.80	24.48	25.30	Complies
	5825 MHz	14.25	15.58	15.98	20.10	25.30	Complies
802.11n MCS0 HT20	5260 MHz	12.51	13.37	12.31	17.53	19.30	Complies
	5300 MHz	12.03	13.66	12.02	17.41	19.30	Complies
	5320 MHz	12.05	13.67	12.28	17.50	19.30	Complies
	5500 MHz	12.18	13.29	12.61	17.49	19.30	Complies
	5580 MHz	12.24	13.52	12.21	17.47	19.30	Complies
	5700 MHz	11.62	13.61	12.54	17.44	19.30	Complies
	5745 MHz	12.99	15.32	15.31	19.44	25.30	Complies
	5785 MHz	18.54	20.59	19.78	24.49	25.30	Complies
	5825 MHz	14.23	15.38	16.02	20.04	25.30	Complies
802.11n MCS0 HT40	5270 MHz	13.82	15.36	14.14	19.26	19.30	Complies
	5310 MHz	12.49	14.33	12.72	18.03	19.30	Complies
	5510 MHz	13.05	14.46	13.57	18.50	19.30	Complies
	5550 MHz	14.12	15.33	13.82	19.24	19.30	Complies
	5670 MHz	13.84	15.44	13.91	19.23	19.30	Complies
	5755 MHz	11.51	13.22	13.21	17.49	25.30	Complies
	5795 MHz	13.59	15.62	14.93	19.56	25.30	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	12.45	13.39	12.31	17.51	19.30	Complies
	5300 MHz	11.97	13.71	12.08	17.43	19.30	Complies
	5320 MHz	11.97	13.75	12.25	17.50	19.30	Complies
	5500 MHz	12.22	13.32	12.65	17.52	19.30	Complies
	5580 MHz	12.30	13.56	12.26	17.52	19.30	Complies
	5700 MHz	11.68	13.58	12.55	17.44	19.30	Complies
	5745 MHz	12.96	15.28	15.26	19.40	25.30	Complies
	5785 MHz	18.61	20.53	19.84	24.50	25.30	Complies
	5825 MHz	14.48	15.78	16.04	20.26	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	13.86	15.34	14.18	19.28	19.30	Complies
	5310 MHz	12.52	14.35	12.73	18.05	19.30	Complies
	5510 MHz	13.01	14.48	13.62	18.52	19.30	Complies
	5550 MHz	14.15	15.29	13.84	19.24	19.30	Complies
	5670 MHz	13.92	15.39	13.98	19.26	19.30	Complies
	5755 MHz	11.49	13.27	13.26	17.52	25.30	Complies
	5795 MHz	13.62	15.68	14.96	19.61	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.34	13.29	11.98	17.05	19.30	Complies
	5530 MHz	12.28	13.92	13.06	17.91	19.30	Complies
	5610 MHz	13.68	15.44	14.13	19.25	19.30	Complies
	5775 MHz	10.55	12.96	12.89	17.04	25.30	Complies

Note1: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: Antenna gain=10.70dBi >6dBi, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	9.32	11.74	10.83	15.51	18.12	Complies
	5720 MHz (UNII 3)	2.76	5.18	4.42	9.00	25.30	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	9.17	11.61	10.56	15.33	18.12	Complies
	5720 MHz (UNII 3)	3.01	5.81	4.74	9.44	25.30	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	13.15	15.37	14.52	19.21	19.30	Complies
	5710 MHz (UNII 3)	2.11	4.96	3.89	8.58	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	9.10	11.59	10.70	15.35	18.12	Complies
	5720 MHz (UNII 3)	2.97	5.78	4.90	9.47	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	13.16	15.41	14.54	19.24	19.30	Complies
	5710 MHz (UNII 3)	2.20	5.09	3.94	8.67	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.07	15.38	14.64	19.24	19.30	Complies
	5690 MHz (UNII 3)	-1.96	1.42	0.02	4.81	25.30	Complies

(UNII 2C)

Note1: Antenna gain=10.70dBi >6dBi, so the limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: 5720 MHz limit=11+10log(15.20)=22.82dBm<24dBm, so limit= $22.82-(10.70-6)=18.12\text{dBm}$.

(UNII 3)

Note1: Antenna gain=10.70dBi >6dBi, so the limit $30-(10.70-6)=25.30\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5260 MHz	18.21	24.00	Complies
	5300 MHz	18.53	24.00	Complies
	5320 MHz	18.51	24.00	Complies
	5500 MHz	19.26	24.00	Complies
	5580 MHz	18.31	24.00	Complies
	5700 MHz	17.73	24.00	Complies
	5745 MHz	17.43	30.00	Complies
	5785 MHz	21.21	30.00	Complies
	5825 MHz	18.63	30.00	Complies
802.11n MCS0 HT20	5260 MHz	18.52	24.00	Complies
	5300 MHz	18.49	24.00	Complies
	5320 MHz	18.42	24.00	Complies
	5500 MHz	19.31	24.00	Complies
	5580 MHz	18.29	24.00	Complies
	5700 MHz	17.58	24.00	Complies
	5745 MHz	17.36	30.00	Complies
	5785 MHz	21.23	30.00	Complies
	5825 MHz	18.65	30.00	Complies
802.11n MCS0 HT40	5270 MHz	17.81	24.00	Complies
	5310 MHz	15.91	24.00	Complies
	5510 MHz	16.37	24.00	Complies
	5550 MHz	18.07	24.00	Complies
	5670 MHz	18.11	24.00	Complies
	5755 MHz	16.41	30.00	Complies
	5795 MHz	19.56	30.00	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	18.57	24.00	Complies
	5300 MHz	18.52	24.00	Complies
	5320 MHz	18.53	24.00	Complies
	5500 MHz	19.28	24.00	Complies
	5580 MHz	18.33	24.00	Complies
	5700 MHz	17.82	24.00	Complies
	5745 MHz	17.49	30.00	Complies
	5785 MHz	21.22	30.00	Complies
	5825 MHz	18.58	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.79	24.00	Complies
	5310 MHz	16.05	24.00	Complies
	5510 MHz	16.53	24.00	Complies
	5550 MHz	18.06	24.00	Complies
	5670 MHz	18.29	24.00	Complies
	5755 MHz	16.57	30.00	Complies
	5795 MHz	19.66	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.58	24.00	Complies
	5530 MHz	15.87	24.00	Complies
	5610 MHz	17.52	24.00	Complies
	5775 MHz	15.57	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 1		
802.11a	5720 MHz (UNII 2C)	18.65	24.00	Complies
	5720 MHz (UNII 3)	12.81	30.00	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	18.78	24.00	Complies
	5720 MHz (UNII 3)	12.95	30.00	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	18.68	24.00	Complies
	5710 MHz (UNII 3)	8.10	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.69	24.00	Complies
	5720 MHz (UNII 3)	12.84	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	18.69	24.00	Complies
	5710 MHz (UNII 3)	8.11	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	18.71	24.00	Complies
	5690 MHz (UNII 3)	4.31	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	18.24	19.17	21.74	24.00	Complies
	5300 MHz	18.29	19.36	21.87	24.00	Complies
	5320 MHz	17.24	18.48	20.91	24.00	Complies
	5500 MHz	17.79	18.85	21.36	24.00	Complies
	5580 MHz	18.28	19.21	21.78	24.00	Complies
	5700 MHz	15.57	16.98	19.34	24.00	Complies
	5745 MHz	15.97	17.32	19.71	30.00	Complies
	5785 MHz	20.41	21.97	24.27	30.00	Complies
	5825 MHz	17.25	18.89	21.16	30.00	Complies
802.11n MCS0 HT20	5260 MHz	18.32	19.16	21.77	24.00	Complies
	5300 MHz	18.35	19.31	21.87	24.00	Complies
	5320 MHz	17.33	18.42	20.92	24.00	Complies
	5500 MHz	17.74	18.83	21.33	24.00	Complies
	5580 MHz	18.25	19.27	21.80	24.00	Complies
	5700 MHz	15.56	16.98	19.34	24.00	Complies
	5745 MHz	15.91	17.29	19.66	30.00	Complies
	5785 MHz	20.45	21.97	24.29	30.00	Complies
	5825 MHz	17.18	18.96	21.17	30.00	Complies
802.11n MCS0 HT40	5270 MHz	19.45	19.71	22.59	24.00	Complies
	5310 MHz	14.91	16.13	18.57	24.00	Complies
	5510 MHz	16.38	17.36	19.91	24.00	Complies
	5550 MHz	20.04	20.75	23.42	24.00	Complies
	5670 MHz	16.21	17.34	19.82	24.00	Complies
	5755 MHz	14.38	15.59	18.04	30.00	Complies
	5795 MHz	16.65	18.31	20.57	30.00	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	18.34	19.18	21.79	24.00	Complies
	5300 MHz	18.38	19.33	21.89	24.00	Complies
	5320 MHz	17.27	18.46	20.92	24.00	Complies
	5500 MHz	17.91	18.78	21.38	24.00	Complies
	5580 MHz	18.23	19.31	21.81	24.00	Complies
	5700 MHz	15.53	17.03	19.35	24.00	Complies
	5745 MHz	16.02	17.35	19.75	30.00	Complies
	5785 MHz	20.48	21.98	24.30	30.00	Complies
	5825 MHz	17.26	18.91	21.17	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	19.45	19.75	22.61	24.00	Complies
	5310 MHz	14.92	16.14	18.58	24.00	Complies
	5510 MHz	16.41	17.37	19.93	24.00	Complies
	5550 MHz	20.03	20.78	23.43	24.00	Complies
	5670 MHz	16.27	17.32	19.84	24.00	Complies
	5755 MHz	14.45	15.62	18.08	30.00	Complies
	5795 MHz	16.74	18.25	20.57	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	14.76	16.74	18.87	24.00	Complies
	5530 MHz	15.85	17.52	19.78	24.00	Complies
	5610 MHz	18.19	19.23	21.75	24.00	Complies
	5775 MHz	14.46	16.42	18.56	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.85	17.58	19.81	24.00	Complies
	5720 MHz (UNII 3)	9.93	11.87	14.02	30.00	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	15.72	17.63	19.79	24.00	Complies
	5720 MHz (UNII 3)	9.85	11.96	14.04	30.00	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	18.70	20.31	22.59	24.00	Complies
	5710 MHz (UNII 3)	8.07	10.11	12.22	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.69	17.70	19.82	24.00	Complies
	5720 MHz (UNII 3)	9.77	11.99	14.03	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	18.76	20.39	22.66	24.00	Complies
	5710 MHz (UNII 3)	8.18	10.20	12.32	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	18.72	20.58	22.76	24.00	Complies
	5690 MHz (UNII 3)	4.30	7.05	8.90	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	14.55	16.22	14.97	20.08	24.00	Complies
	5300 MHz	14.58	16.01	15.17	20.06	24.00	Complies
	5320 MHz	14.49	16.08	14.92	19.99	24.00	Complies
	5500 MHz	14.59	15.97	15.22	20.07	24.00	Complies
	5580 MHz	14.56	15.92	14.65	19.86	24.00	Complies
	5700 MHz	14.62	15.82	15.01	19.95	24.00	Complies
	5745 MHz	13.88	15.52	15.41	19.77	30.00	Complies
	5785 MHz	18.54	20.55	19.80	24.48	30.00	Complies
	5825 MHz	16.07	17.32	16.51	21.44	30.00	Complies
802.11n MCS0 HT20	5260 MHz	14.56	16.22	14.96	20.08	24.00	Complies
	5300 MHz	14.55	16.02	15.16	20.06	24.00	Complies
	5320 MHz	14.50	16.07	14.91	19.98	24.00	Complies
	5500 MHz	14.58	15.96	15.21	20.06	24.00	Complies
	5580 MHz	14.57	15.91	14.64	19.86	24.00	Complies
	5700 MHz	14.61	15.80	15.02	19.94	24.00	Complies
	5745 MHz	13.80	15.51	15.42	19.75	30.00	Complies
	5785 MHz	18.54	20.59	19.78	24.49	30.00	Complies
	5825 MHz	16.06	17.33	16.50	21.43	30.00	Complies
802.11n MCS0 HT40	5270 MHz	17.92	18.66	17.77	22.91	24.00	Complies
	5310 MHz	14.45	16.00	14.89	19.93	24.00	Complies
	5510 MHz	15.42	16.62	16.21	20.88	24.00	Complies
	5550 MHz	17.77	16.63	17.79	22.20	24.00	Complies
	5670 MHz	17.05	18.28	17.76	22.50	24.00	Complies
	5755 MHz	14.21	15.88	15.81	20.14	30.00	Complies
	5795 MHz	15.66	17.31	16.77	21.40	30.00	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	14.56	16.23	14.98	20.09	24.00	Complies
	5300 MHz	14.59	16.02	15.18	20.07	24.00	Complies
	5320 MHz	14.51	16.09	14.95	20.01	24.00	Complies
	5500 MHz	14.64	15.98	15.23	20.09	24.00	Complies
	5580 MHz	14.59	15.93	14.66	19.88	24.00	Complies
	5700 MHz	14.65	15.84	15.05	19.98	24.00	Complies
	5745 MHz	13.89	15.53	15.43	19.78	30.00	Complies
	5785 MHz	18.61	20.53	19.84	24.50	30.00	Complies
	5825 MHz	16.09	17.35	16.52	21.46	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	17.95	18.69	17.79	22.93	24.00	Complies
	5310 MHz	14.47	16.01	14.89	19.94	24.00	Complies
	5510 MHz	15.41	16.66	16.21	20.89	24.00	Complies
	5550 MHz	17.78	18.64	17.80	22.86	24.00	Complies
	5670 MHz	17.07	18.27	17.75	22.50	24.00	Complies
	5755 MHz	14.24	15.89	15.86	20.17	30.00	Complies
	5795 MHz	15.66	17.37	16.74	21.42	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.74	15.13	14.22	19.17	24.00	Complies
	5530 MHz	13.55	14.81	14.39	19.05	24.00	Complies
	5610 MHz	17.07	18.26	17.53	22.42	24.00	Complies
	5775 MHz	13.07	15.30	15.22	19.42	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	11.64	13.64	12.67	17.50	24.00	Complies
	5720 MHz (UNII 3)	5.14	7.09	6.59	11.12	30.00	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	11.56	13.55	12.66	17.44	24.00	Complies
	5720 MHz (UNII 3)	5.52	7.79	7.04	11.65	30.00	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	15.14	16.77	16.01	20.80	24.00	Complies
	5710 MHz (UNII 3)	4.17	6.36	5.56	10.23	30.00	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	11.59	13.40	12.57	17.35	24.00	Complies
	5720 MHz (UNII 3)	5.53	7.64	6.92	11.55	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	15.18	16.80	16.02	20.82	24.00	Complies
	5710 MHz (UNII 3)	4.26	6.35	5.56	10.24	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.65	19.39	19.60	23.73	24.00	Complies
	5690 MHz (UNII 3)	2.78	5.34	5.22	9.37	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the limit doesn't reduce.

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For indoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	15.31	16.22	18.80	25.30	Complies
	5200 MHz	20.27	20.84	23.57	25.30	Complies
	5240 MHz	18.63	19.33	22.00	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	15.33	16.24	18.82	25.30	Complies
	5200 MHz	20.28	20.83	23.57	25.30	Complies
	5240 MHz	18.65	19.34	22.02	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	14.57	15.23	17.92	25.30	Complies
	5230 MHz	19.98	20.36	23.18	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.86	16.35	18.68	25.30	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}$, so the B1 limit $30 - (10.70 - 6) = 25.30 \text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	15.66	16.65	15.31	20.68	23.08	Complies
	5200 MHz	17.91	18.65	17.73	22.89	23.08	Complies
	5240 MHz	17.94	18.64	17.87	22.94	23.08	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	15.68	16.68	15.29	20.69	23.08	Complies
	5200 MHz	17.96	18.67	17.72	22.91	23.08	Complies
	5240 MHz	17.95	18.65	17.88	22.95	23.08	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	14.58	15.57	14.14	19.58	23.08	Complies
	5230 MHz	18.02	18.89	17.89	23.06	23.08	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.15	15.41	14.06	19.36	23.08	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (12.92 - 6) = 23.08\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	17.44	18.11	20.80	27.59	Complies
	5200 MHz	21.44	21.60	24.53	27.59	Complies
	5240 MHz	21.11	21.64	24.39	27.59	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	17.48	18.12	20.82	27.59	Complies
	5200 MHz	21.49	21.64	24.58	27.59	Complies
	5240 MHz	21.19	21.62	24.42	27.59	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.84	17.44	20.16	27.59	Complies
	5230 MHz	21.41	21.69	24.56	27.59	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.42	16.64	19.08	27.59	Complies

Note:

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41\text{dBi} > 6\text{dBi}, \text{ so the B1 limit } 30 - (8.41 - 6) = 27.59\text{dBm}.$$

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	17.55	18.44	17.36	22.58	25.83	Complies
	5200 MHz	19.41	20.18	19.33	24.43	25.83	Complies
	5240 MHz	19.47	20.17	19.37	24.46	25.83	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	17.52	18.46	17.34	22.57	25.83	Complies
	5200 MHz	19.43	20.23	19.36	24.46	25.83	Complies
	5240 MHz	19.46	20.19	19.34	24.45	25.83	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.22	17.10	16.08	21.26	25.83	Complies
	5230 MHz	19.56	20.22	19.41	24.52	25.83	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.06	16.27	15.27	20.34	25.83	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (10.17 - 6) = 25.83\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	9.63	11.16	13.47	25.30	Complies
	5200 MHz	9.49	11.22	13.45	25.30	Complies
	5240 MHz	9.88	10.94	13.45	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	9.64	11.19	13.49	25.30	Complies
	5200 MHz	9.48	11.25	13.46	25.30	Complies
	5240 MHz	9.89	10.95	13.46	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	9.88	11.22	13.61	25.30	Complies
	5230 MHz	10.03	11.05	13.58	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	10.01	11.20	13.66	25.30	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (10.70 - 6) = 25.30\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	6.84	6.77	5.86	11.28	23.08	Complies
	5200 MHz	6.76	6.84	5.90	11.29	23.08	Complies
	5240 MHz	6.77	6.81	5.91	11.29	23.08	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	6.82	6.78	5.90	11.29	23.08	Complies
	5200 MHz	6.78	6.88	5.92	11.32	23.08	Complies
	5240 MHz	6.79	6.82	5.93	11.30	23.08	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	6.64	6.88	6.01	11.30	23.08	Complies
	5230 MHz	6.66	6.89	6.02	11.31	23.08	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	6.68	6.91	6.03	11.33	23.08	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (12.92 - 6) = 23.08\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	13.11	13.86	16.51	27.59	Complies
	5200 MHz	13.13	13.74	16.46	27.59	Complies
	5240 MHz	13.13	13.72	16.45	27.59	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	13.12	13.81	16.49	27.59	Complies
	5200 MHz	13.20	13.88	16.56	27.59	Complies
	5240 MHz	13.17	13.86	16.54	27.59	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	13.03	13.98	16.54	27.59	Complies
	5230 MHz	13.21	13.94	16.60	27.59	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	12.98	14.02	16.54	27.59	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41\text{ dBi} > 6\text{ dBi}$, so the B1 limit $30 - (8.41 - 6) = 27.59\text{ dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	9.67	10.97	9.41	14.84	25.83	Complies
	5200 MHz	9.88	10.55	9.71	14.83	25.83	Complies
	5240 MHz	10.16	10.56	9.52	14.87	25.83	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	9.71	10.96	9.47	14.87	25.83	Complies
	5200 MHz	9.88	10.56	9.74	14.85	25.83	Complies
	5240 MHz	10.18	10.59	9.53	14.89	25.83	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	9.81	10.79	9.59	14.87	25.83	Complies
	5230 MHz	10.08	10.62	9.60	14.89	25.83	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	9.67	10.70	9.56	14.78	25.83	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (10.17 - 6) = 25.83\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	9.69	11.12	13.47	27.89	Complies
	5200 MHz	9.77	11.13	13.51	27.89	Complies
	5240 MHz	9.93	11.15	13.59	27.89	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	9.98	11.12	13.60	27.89	Complies
	5200 MHz	10.07	11.15	13.65	27.89	Complies
	5240 MHz	10.15	11.01	13.61	27.89	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	10.12	11.15	13.68	27.89	Complies
	5230 MHz	10.09	11.11	13.64	27.89	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	10.10	10.76	13.45	27.89	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.11\text{ dBi} > 6\text{ dBi}$, so the B1 limit $30 - (8.11 - 6) = 27.89\text{ dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5180 MHz	6.99	7.65	6.69	11.90	26.13	Complies
	5200 MHz	6.71	7.81	6.81	11.91	26.13	Complies
	5240 MHz	7.16	7.75	6.32	11.89	26.13	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	6.95	7.72	6.71	11.92	26.13	Complies
	5200 MHz	6.69	7.82	6.84	11.92	26.13	Complies
	5240 MHz	7.18	7.76	6.35	11.91	26.13	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	6.73	7.63	6.28	11.69	26.13	Complies
	5230 MHz	7.07	7.64	6.67	11.92	26.13	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	6.08	7.75	6.82	11.71	26.13	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87\text{dBi} > 6\text{dBi}$, so the B1 limit $30 - (9.87 - 6) = 26.13\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For indoor / outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	15.45	16.88	19.23	19.30	Complies
	5300 MHz	15.13	16.70	19.00	19.30	Complies
	5320 MHz	15.03	16.84	19.04	19.30	Complies
	5500 MHz	14.72	16.41	18.66	19.30	Complies
	5580 MHz	15.63	16.71	19.21	19.30	Complies
	5700 MHz	12.96	14.84	17.01	19.30	Complies
	5745 MHz	13.59	15.77	17.83	25.30	Complies
	5785 MHz	16.53	18.74	20.78	25.30	Complies
	5825 MHz	15.92	17.86	20.01	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	15.55	16.85	19.26	19.30	Complies
	5300 MHz	15.14	16.73	19.02	19.30	Complies
	5320 MHz	15.05	16.88	19.07	19.30	Complies
	5500 MHz	14.77	16.44	18.70	19.30	Complies
	5580 MHz	15.62	16.72	19.22	19.30	Complies
	5700 MHz	12.99	14.87	17.04	19.30	Complies
	5745 MHz	13.54	15.41	17.59	25.30	Complies
	5785 MHz	16.55	18.68	20.75	25.30	Complies
	5825 MHz	15.94	17.96	20.08	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	15.54	16.66	19.15	19.30	Complies
	5310 MHz	14.05	15.59	17.90	19.30	Complies
	5510 MHz	14.22	16.71	18.65	19.30	Complies
	5550 MHz	15.31	16.79	19.12	19.30	Complies
	5670 MHz	14.83	16.17	18.56	19.30	Complies
	5755 MHz	12.68	14.78	16.87	25.30	Complies
	5795 MHz	15.27	17.56	19.57	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.94	14.09	16.16	19.30	Complies
	5530 MHz	13.69	15.09	17.46	19.30	Complies
	5610 MHz	14.62	16.04	18.40	19.30	Complies
	5775 MHz	11.08	13.16	15.25	25.30	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	12.85	14.65	16.85	18.14	Complies
	5720 MHz (UNII 3)	6.29	8.26	10.40	25.30	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	12.54	14.47	16.62	18.14	Complies
	5720 MHz (UNII 3)	6.61	8.72	10.80	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	15.20	16.91	19.15	19.30	Complies
	5710 MHz (UNII 3)	4.46	6.51	8.62	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	15.00	17.08	19.17	19.30	Complies
	5690 MHz (UNII 3)	-0.08	2.97	4.72	25.30	Complies

(UNII 2C)

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: 5720 MHz limit = $11 + 10\log(15.26) = 22.84\text{dBm} < 24\text{dBm}$, so limit = $22.84-(10.70-6) = 18.14\text{dBm}$.

(UNII 3)

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the limit $30-(10.70-6)=25.30\text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	11.92	12.88	11.80	17.00	17.08	Complies
	5300 MHz	11.93	12.70	12.07	17.02	17.08	Complies
	5320 MHz	11.45	13.22	11.74	16.98	17.08	Complies
	5500 MHz	11.70	12.80	12.14	17.01	17.08	Complies
	5580 MHz	11.78	13.04	11.74	17.00	17.08	Complies
	5700 MHz	11.17	13.06	12.03	16.93	17.08	Complies
	5745 MHz	10.71	12.84	12.59	16.92	23.08	Complies
	5785 MHz	17.04	19.01	18.44	23.01	23.08	Complies
	5825 MHz	13.12	14.93	14.56	19.04	23.08	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	11.95	12.89	11.81	17.01	17.08	Complies
	5300 MHz	11.97	12.71	12.08	17.04	17.08	Complies
	5320 MHz	11.47	13.25	11.75	17.00	17.08	Complies
	5500 MHz	11.72	12.82	12.15	17.02	17.08	Complies
	5580 MHz	11.80	13.06	11.76	17.02	17.08	Complies
	5700 MHz	11.18	13.08	12.05	16.94	17.08	Complies
	5745 MHz	10.75	12.88	12.57	16.93	23.08	Complies
	5785 MHz	17.05	19.02	18.41	23.01	23.08	Complies
	5825 MHz	13.06	14.99	14.62	19.07	23.08	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	11.41	13.28	11.74	16.99	17.08	Complies
	5310 MHz	11.51	13.19	11.81	17.00	17.08	Complies
	5510 MHz	11.46	12.77	12.06	16.90	17.08	Complies
	5550 MHz	11.76	12.86	11.95	16.99	17.08	Complies
	5670 MHz	11.72	12.82	11.72	16.89	17.08	Complies
	5755 MHz	9.22	11.51	11.02	15.46	23.08	Complies
	5795 MHz	13.83	15.67	15.56	19.87	23.08	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	11.34	13.29	11.98	17.05	17.08	Complies
	5530 MHz	11.52	13.01	12.21	17.06	17.08	Complies
	5610 MHz	11.56	13.06	11.94	17.01	17.08	Complies
	5775 MHz	9.04	11.38	11.34	15.49	23.08	Complies

Note1:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}, \text{ so the B2 B3 limit } 24-(12.92-6)=17.08\text{dBm}.$$

Note2:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}, \text{ so the B4 limit } 30-(12.92-6)=23.08\text{dBm}.$$

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	9.32	11.74	10.83	15.51	15.90	Complies
	5720 MHz (UNII 3)	2.76	5.18	4.42	9.00	23.08	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	9.10	11.59	10.70	15.35	15.90	Complies
	5720 MHz (UNII 3)	2.97	5.78	4.90	9.47	23.08	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	11.00	12.92	11.95	16.80	17.08	Complies
	5710 MHz (UNII 3)	-0.12	2.58	1.29	6.16	23.08	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	10.94	12.81	12.54	16.94	17.08	Complies
	5690 MHz (UNII 3)	-3.00	-1.00	-1.71	2.94	23.08	Complies

(UNII 2C)

Note1:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}, \text{ so the limit } 24-(12.92-6)=17.08\text{dBm}.$$

Note2: 5720 MHz limit = 11 + 10log(15.20) = 22.82dBm < 24dBm, so limit = 22.82 - (12.92 - 6) = 15.90dBm.

(UNII 3)

Note1:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.92\text{dBi} > 6\text{dBi}, \text{ so the limit } 30-(12.92-6)=23.08\text{dBm}.$$

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	18.01	18.98	21.53	21.59	Complies
	5300 MHz	17.88	18.91	21.44	21.59	Complies
	5320 MHz	17.03	18.19	20.66	21.59	Complies
	5500 MHz	17.79	18.85	21.36	21.59	Complies
	5580 MHz	17.88	18.83	21.39	21.59	Complies
	5700 MHz	15.72	17.22	19.54	21.59	Complies
	5745 MHz	15.97	17.32	19.71	27.59	Complies
	5785 MHz	20.41	21.97	24.27	27.59	Complies
	5825 MHz	16.35	18.03	20.28	27.59	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	18.05	18.97	21.54	21.59	Complies
	5300 MHz	17.91	18.92	21.45	21.59	Complies
	5320 MHz	17.02	18.21	20.67	21.59	Complies
	5500 MHz	17.91	18.78	21.38	21.59	Complies
	5580 MHz	17.98	19.06	21.56	21.59	Complies
	5700 MHz	15.75	17.21	19.55	21.59	Complies
	5745 MHz	16.02	17.35	19.75	27.59	Complies
	5785 MHz	20.48	21.98	24.30	27.59	Complies
	5825 MHz	16.52	18.17	20.43	27.59	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.01	18.97	21.53	21.59	Complies
	5310 MHz	14.92	16.14	18.58	21.59	Complies
	5510 MHz	16.56	17.72	20.19	21.59	Complies
	5550 MHz	17.78	18.87	21.37	21.59	Complies
	5670 MHz	16.09	17.15	19.66	21.59	Complies
	5755 MHz	14.61	15.93	18.33	27.59	Complies
	5795 MHz	16.92	18.55	20.82	27.59	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.44	15.21	17.42	21.59	Complies
	5530 MHz	15.37	17.04	19.30	21.59	Complies
	5610 MHz	17.89	19.05	21.52	21.59	Complies
	5775 MHz	14.46	16.42	18.56	27.59	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41 \text{ dBi} > 6 \text{ dBi}$, so the B2 B3 limit $24 - (8.41 - 6) = 21.59 \text{ dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41 \text{ dBi} > 6 \text{ dBi}$, so the B4 limit $30 - (8.41 - 6) = 27.59 \text{ dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	15.85	17.58	19.81	21.59	Complies
	5720 MHz (UNII 3)	9.93	11.87	14.02	27.59	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.69	17.70	19.82	21.59	Complies
	5720 MHz (UNII 3)	9.77	11.99	14.03	27.59	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.58	19.08	21.40	21.59	Complies
	5710 MHz (UNII 3)	6.90	8.81	10.97	27.59	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.46	19.33	21.51	21.59	Complies
	5690 MHz (UNII 3)	2.83	5.48	7.36	27.59	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41 \text{ dBi} > 6 \text{ dBi}$, so the limit $24 - (8.41 - 6) = 21.59 \text{ dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 8.41 \text{ dBi} > 6 \text{ dBi}$, so the limit $30 - (8.41 - 6) = 27.59 \text{ dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5260 MHz	14.35	15.85	14.62	19.76	19.83	Complies
	5300 MHz	14.28	15.75	14.85	19.77	19.83	Complies
	5320 MHz	14.37	15.76	14.66	19.74	19.83	Complies
	5500 MHz	14.47	15.64	14.87	19.79	19.83	Complies
	5580 MHz	14.38	15.77	14.35	19.66	19.83	Complies
	5700 MHz	14.47	15.63	14.96	19.82	19.83	Complies
	5745 MHz	13.88	15.52	15.41	19.77	25.83	Complies
	5785 MHz	18.54	20.55	19.80	24.48	25.83	Complies
	5825 MHz	15.33	16.70	16.28	20.91	25.83	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	14.36	15.89	14.61	19.78	19.83	Complies
	5300 MHz	14.29	15.79	14.89	19.81	19.83	Complies
	5320 MHz	14.39	15.77	14.69	19.76	19.83	Complies
	5500 MHz	14.49	15.68	14.88	19.82	19.83	Complies
	5580 MHz	14.52	15.85	14.56	19.79	19.83	Complies
	5700 MHz	14.48	15.64	14.96	19.82	19.83	Complies
	5745 MHz	13.89	15.53	15.43	19.78	25.83	Complies
	5785 MHz	18.61	20.53	19.84	24.50	25.83	Complies
	5825 MHz	15.36	16.71	16.26	20.92	25.83	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	14.23	15.63	14.45	19.59	19.83	Complies
	5310 MHz	14.00	15.55	14.31	19.44	19.83	Complies
	5510 MHz	14.36	15.66	14.86	19.76	19.83	Complies
	5550 MHz	14.39	15.64	14.82	19.75	19.83	Complies
	5670 MHz	14.45	15.80	14.79	19.82	19.83	Complies
	5755 MHz	14.24	15.89	15.86	20.17	25.83	Complies
	5795 MHz	15.66	17.37	16.74	21.42	25.83	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.45	14.38	13.15	18.17	19.83	Complies
	5530 MHz	13.55	14.81	14.39	19.05	19.83	Complies
	5610 MHz	14.38	15.82	14.49	19.72	19.83	Complies
	5775 MHz	12.88	14.88	15.00	19.13	25.83	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17 \text{dBi} > 6 \text{dBi}$, so the B2 B3 limit $24 - (10.17 - 6) = 19.83 \text{dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17 \text{dBi} > 6 \text{dBi}$, so the B4 limit $30 - (10.17 - 6) = 25.83 \text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11a	5720 MHz (UNII 2C)	11.64	13.64	12.67	17.50	19.83	Complies
	5720 MHz (UNII 3)	5.14	7.09	6.59	11.12	25.83	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	11.59	13.40	12.57	17.35	19.83	Complies
	5720 MHz (UNII 3)	5.53	7.64	6.92	11.55	25.83	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	14.19	15.69	14.94	19.75	19.83	Complies
	5710 MHz (UNII 3)	3.22	5.28	4.51	9.19	25.83	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	13.94	15.82	15.16	19.81	19.83	Complies
	5690 MHz (UNII 3)	-0.98	1.74	0.62	5.37	25.83	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17 \text{dBi} > 6 \text{dBi}$, so the limit $24 - (10.17 - 6) = 19.83 \text{dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.17 \text{dBi} > 6 \text{dBi}$, so the limit $30 - (10.17 - 6) = 25.83 \text{dBm}$.

<For STBC Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For indoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.85	17.63	20.27	25.30	Complies
	5200 MHz	21.33	21.67	24.51	25.30	Complies
	5240 MHz	19.78	20.45	23.14	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.18	16.68	19.45	25.30	Complies
	5230 MHz	19.48	19.89	22.70	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.26	15.83	18.13	25.30	Complies

Note: Antenna gain = 10.70dBi > 6dBi, so the B1 limit $30 - (10.70 - 6) = 25.30$ dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.89	17.71	16.51	21.84	25.30	Complies
	5200 MHz	19.33	19.54	19.03	24.08	25.30	Complies
	5240 MHz	19.14	19.38	18.91	23.92	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	15.09	15.64	14.27	19.81	25.30	Complies
	5230 MHz	18.64	19.13	18.43	23.51	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.37	15.19	14.11	19.35	25.30	Complies

Note: Antenna gain=10.70dBi > 6dBi, so the B1 limit 30-(10.70-6)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	19.61	19.91	22.77	30.00	Complies
	5200 MHz	21.33	21.67	24.51	30.00	Complies
	5240 MHz	21.11	21.55	24.35	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.85	17.62	20.26	30.00	Complies
	5230 MHz	21.43	21.62	24.54	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.71	17.19	19.52	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	19.48	19.92	19.18	24.31	30.00	Complies
	5200 MHz	19.59	20.09	19.41	24.48	30.00	Complies
	5240 MHz	19.64	20.11	19.48	24.52	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.67	16.98	16.16	21.39	30.00	Complies
	5230 MHz	19.77	20.07	19.55	24.57	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.73	16.63	15.67	20.80	30.00	Complies

Note: Antenna gain=5.40dBi <6dBi, so the B1 limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac	5180 MHz	9.58	11.12	13.43	25.30	Complies
MCS0/Nss1	5200 MHz	10.16	11.03	13.63	25.30	Complies
VHT20	5240 MHz	10.11	10.98	13.58	25.30	Complies
802.11ac	5190 MHz	9.87	11.20	13.60	25.30	Complies
MCS0/Nss1	5230 MHz	9.99	11.13	13.61	25.30	Complies
VHT40						
802.11ac	5210 MHz	10.05	11.18	13.66	25.30	Complies
MCS0/Nss1						
VHT80						

Note:

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}, \text{ so the B1 limit } 30 - (10.70 - 6) = 25.30 \text{dBm}.$$

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	8.47	9.68	8.33	13.64	25.30	Complies
	5200 MHz	8.37	9.62	8.45	13.62	25.30	Complies
	5240 MHz	8.59	9.31	8.66	13.64	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	8.49	9.47	8.17	13.52	25.30	Complies
	5230 MHz	8.36	9.47	8.38	13.54	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	8.25	9.79	8.42	13.65	25.30	Complies

Note:

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}, \text{ so the B1 limit } 30 - (10.70 - 6) = 25.30 \text{dBm}.$$

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.37	16.88	19.64	30.00	Complies
	5200 MHz	16.38	16.89	19.65	30.00	Complies
	5240 MHz	16.33	16.81	19.59	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.23	17.02	19.65	30.00	Complies
	5230 MHz	16.22	16.98	19.63	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.71	17.19	19.52	30.00	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	14.80	15.19	14.06	19.48	30.00	Complies
	5200 MHz	14.72	15.55	14.09	19.60	30.00	Complies
	5240 MHz	14.81	15.11	14.22	19.50	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	14.94	15.32	14.33	19.65	30.00	Complies
	5230 MHz	14.89	15.18	14.55	19.65	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.59	15.37	14.64	19.65	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	13.02	14.23	16.68	30.00	Complies
	5200 MHz	13.13	14.06	16.63	30.00	Complies
	5240 MHz	13.15	14.06	16.64	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	13.18	13.89	16.56	30.00	Complies
	5230 MHz	13.13	14.15	16.68	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	12.74	14.12	16.49	30.00	Complies

Note:

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.10 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	11.83	12.67	11.06	16.67	30.00	Complies
	5200 MHz	12.02	12.56	11.01	16.68	30.00	Complies
	5240 MHz	12.09	12.23	11.36	16.68	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	11.86	12.57	11.22	16.69	30.00	Complies
	5230 MHz	11.93	12.46	11.23	16.67	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	11.64	12.53	11.44	16.67	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.10\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For indoor / outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	15.49	16.94	19.29	19.30	Complies
	5300 MHz	15.22	17.05	19.24	19.30	Complies
	5320 MHz	15.28	16.82	19.13	19.30	Complies
	5500 MHz	15.38	16.95	19.25	19.30	Complies
	5580 MHz	15.66	16.81	19.28	19.30	Complies
	5700 MHz	14.31	15.79	18.12	19.30	Complies
	5745 MHz	14.35	15.81	18.15	25.30	Complies
	5785 MHz	19.52	21.43	23.59	25.30	Complies
	5825 MHz	14.53	15.92	18.29	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	15.44	16.77	19.17	19.30	Complies
	5310 MHz	13.54	15.33	17.54	19.30	Complies
	5510 MHz	14.54	16.33	18.54	19.30	Complies
	5550 MHz	15.44	16.74	19.15	19.30	Complies
	5670 MHz	15.33	16.06	18.72	19.30	Complies
	5755 MHz	12.89	15.56	17.44	25.30	Complies
	5795 MHz	14.56	17.12	19.04	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.22	14.22	16.34	19.30	Complies
	5530 MHz	13.69	15.45	17.67	19.30	Complies
	5610 MHz	15.15	16.39	18.82	19.30	Complies
	5775 MHz	11.53	13.93	15.90	25.30	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	13.45	15.60	17.67	18.14	Complies
	5720 MHz (UNII 3)	7.46	9.79	11.79	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	14.99	16.76	18.97	19.30	Complies
	5710 MHz (UNII 3)	4.03	6.49	8.44	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	14.79	17.26	19.21	19.30	Complies
	5690 MHz (UNII 3)	-0.52	3.17	4.72	25.30	Complies

(UNII 2C)

Note1:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 24 - (10.70 - 6) = 19.30 \text{dBm}.$$

Note2: 5720 MHz limit = $11 + 10 \log(15.26) = 22.84 \text{dBm} < 24 \text{dBm}$, so limit = $22.84 - (10.70 - 6) = 18.14 \text{dBm}$.

(UNII 3)

Note1:
$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 30 - (10.70 - 6) = 25.30 \text{dBm}.$$

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	14.02	15.53	13.67	19.26	19.30	Complies
	5300 MHz	13.66	15.47	14.20	19.28	19.30	Complies
	5320 MHz	13.41	15.61	14.04	19.23	19.30	Complies
	5500 MHz	13.61	15.37	14.37	19.28	19.30	Complies
	5580 MHz	13.93	15.54	13.82	19.28	19.30	Complies
	5700 MHz	12.79	14.86	13.87	18.69	19.30	Complies
	5745 MHz	12.63	14.81	14.59	18.89	25.30	Complies
	5785 MHz	16.45	18.22	17.96	22.38	25.30	Complies
	5825 MHz	13.49	15.57	14.89	19.50	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	14.05	15.31	14.03	19.28	19.30	Complies
	5310 MHz	13.43	15.33	13.97	19.09	19.30	Complies
	5510 MHz	13.99	15.04	14.43	19.28	19.30	Complies
	5550 MHz	14.18	15.19	14.11	19.29	19.30	Complies
	5670 MHz	14.19	15.15	14.01	19.25	19.30	Complies
	5755 MHz	12.22	14.43	14.10	18.46	25.30	Complies
	5795 MHz	14.56	16.44	15.77	20.43	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.25	14.38	13.33	18.46	19.30	Complies
	5530 MHz	12.90	14.55	13.61	18.51	19.30	Complies
	5610 MHz	13.91	15.44	14.02	19.29	19.30	Complies
	5775 MHz	11.76	14.22	14.94	18.61	25.30	Complies

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B2 B3 limit $24-(10.70-6)=19.30\text{dBm}$.

Note2: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70\text{dBi} > 6\text{dBi}$, so the B4 limit $30-(10.70-6)=25.30\text{dBm}$.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	10.15	12.80	12.46	16.72	18.12	Complies
	5720 MHz (UNII 3)	3.68	7.12	7.03	10.98	25.30	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	12.99	15.07	14.71	19.12	19.30	Complies
	5710 MHz (UNII 3)	1.66	4.80	4.37	8.59	25.30	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	12.99	15.13	14.99	19.24	19.30	Complies
	5690 MHz (UNII 3)	-2.16	1.03	0.52	4.78	25.30	Complies

(UNII 2C)

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}$, so the limit $24 - (10.70 - 6) = 19.30 \text{dBm}$.

Note2: 5720 MHz limit = $11 + 10 \log(15.20) = 22.82 \text{dBm} < 24 \text{dBm}$, so limit = $22.82 - (10.70 - 6) = 18.12 \text{dBm}$.

(UNII 3)

Note1: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.70 \text{dBi} > 6 \text{dBi}$, so the limit $30 - (10.70 - 6) = 25.30 \text{dBm}$.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	20.11	20.99	23.58	24.00	Complies
	5300 MHz	19.10	20.32	22.76	24.00	Complies
	5320 MHz	18.86	19.84	22.39	24.00	Complies
	5500 MHz	18.84	19.88	22.40	24.00	Complies
	5580 MHz	19.66	20.73	23.24	24.00	Complies
	5700 MHz	15.85	17.41	19.71	24.00	Complies
	5745 MHz	16.72	18.13	20.49	30.00	Complies
	5785 MHz	20.21	21.89	24.14	30.00	Complies
	5825 MHz	17.18	19.03	21.21	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	19.42	20.17	22.82	24.00	Complies
	5310 MHz	14.79	16.18	18.55	24.00	Complies
	5510 MHz	16.41	17.81	20.18	24.00	Complies
	5550 MHz	20.09	20.96	23.56	24.00	Complies
	5670 MHz	17.34	18.37	20.90	24.00	Complies
	5755 MHz	15.63	17.22	19.51	30.00	Complies
	5795 MHz	16.83	18.62	20.83	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.75	15.63	17.80	24.00	Complies
	5530 MHz	15.47	17.12	19.38	24.00	Complies
	5610 MHz	18.17	19.42	21.85	24.00	Complies
	5775 MHz	14.28	16.45	18.51	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.46	20.05	22.34	24.00	Complies
	5720 MHz (UNII 3)	12.62	14.33	16.57	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	18.52	20.04	22.36	24.00	Complies
	5710 MHz (UNII 3)	7.95	10.07	12.15	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	18.50	20.38	22.55	24.00	Complies
	5690 MHz (UNII 3)	4.05	6.81	8.66	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5260 MHz	18.78	19.35	18.27	23.59	24.00	Complies
	5300 MHz	17.96	19.29	18.50	23.39	24.00	Complies
	5320 MHz	18.19	18.97	18.81	23.44	24.00	Complies
	5500 MHz	17.48	18.86	17.92	22.90	24.00	Complies
	5580 MHz	18.32	19.78	18.84	23.79	24.00	Complies
	5700 MHz	15.37	17.07	16.48	21.13	24.00	Complies
	5745 MHz	15.84	17.49	17.37	21.73	30.00	Complies
	5785 MHz	18.61	20.51	19.40	24.35	30.00	Complies
	5825 MHz	17.48	18.44	17.83	22.71	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	18.39	19.21	18.41	23.46	24.00	Complies
	5310 MHz	14.38	15.45	14.68	19.63	24.00	Complies
	5510 MHz	14.84	16.20	15.64	20.37	24.00	Complies
	5550 MHz	18.20	19.71	18.89	23.75	24.00	Complies
	5670 MHz	16.71	18.26	17.72	22.38	24.00	Complies
	5755 MHz	14.82	16.38	16.41	20.70	30.00	Complies
	5795 MHz	16.29	17.55	17.51	21.93	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	13.56	14.53	13.79	18.75	24.00	Complies
	5530 MHz	13.62	15.67	14.70	19.51	24.00	Complies
	5610 MHz	17.22	18.86	18.03	22.86	24.00	Complies
	5775 MHz	13.72	15.35	15.78	19.81	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)				Max. Limit (dBm)	Result
		Chain 1	Chain 2	Chain 3	Total		
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	17.15	18.94	18.81	23.14	24.00	Complies
	5720 MHz (UNII 3)	11.02	13.23	13.63	17.54	30.00	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	17.81	19.46	19.47	23.75	24.00	Complies
	5710 MHz (UNII 3)	7.06	9.25	9.55	13.52	30.00	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	17.46	19.11	19.69	23.62	24.00	Complies
	5690 MHz (UNII 3)	3.13	5.39	5.61	9.62	30.00	Complies

Note: $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 5.40\text{dBi} < 6\text{dBi}$, so the limit doesn't reduce.

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

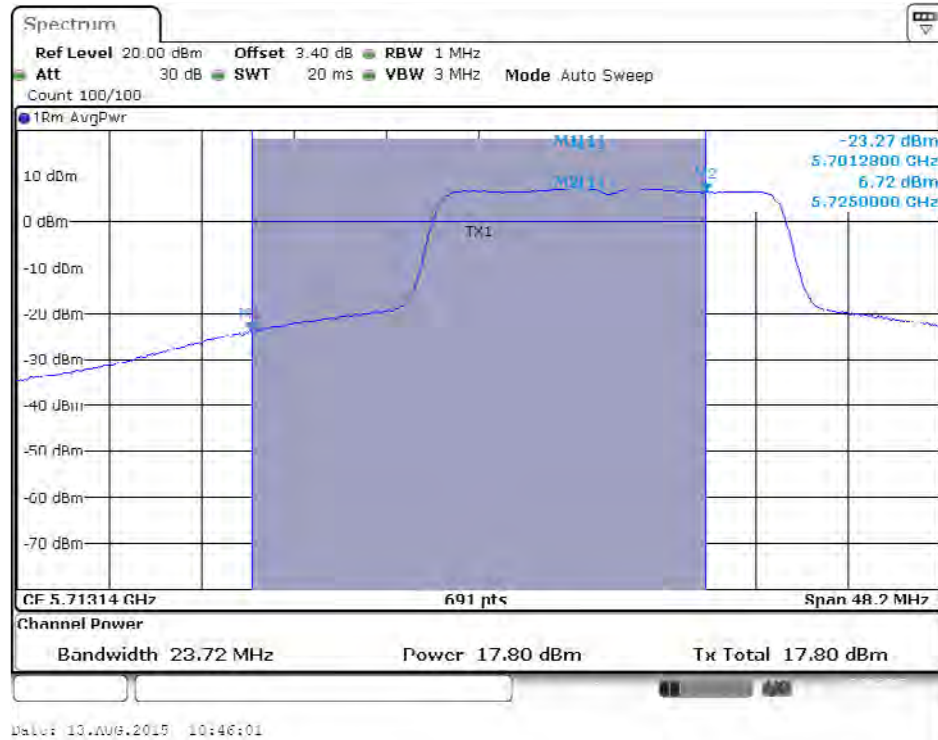
For plots, only the channel with worse result was shown.

<For Non-Beamforming Mode>

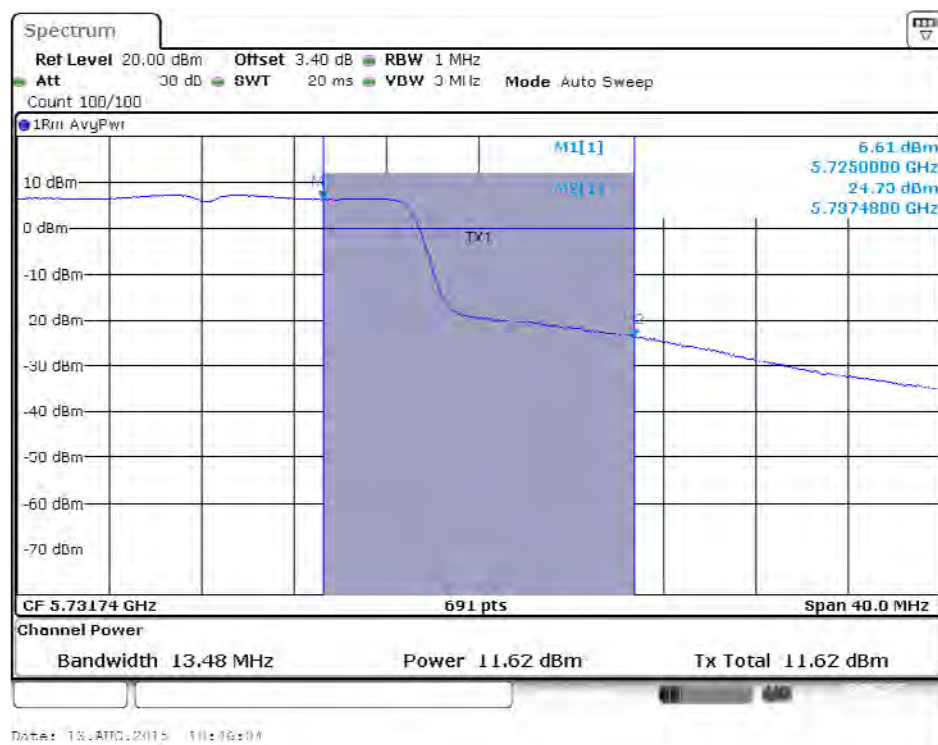
Straddle Channel: indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)

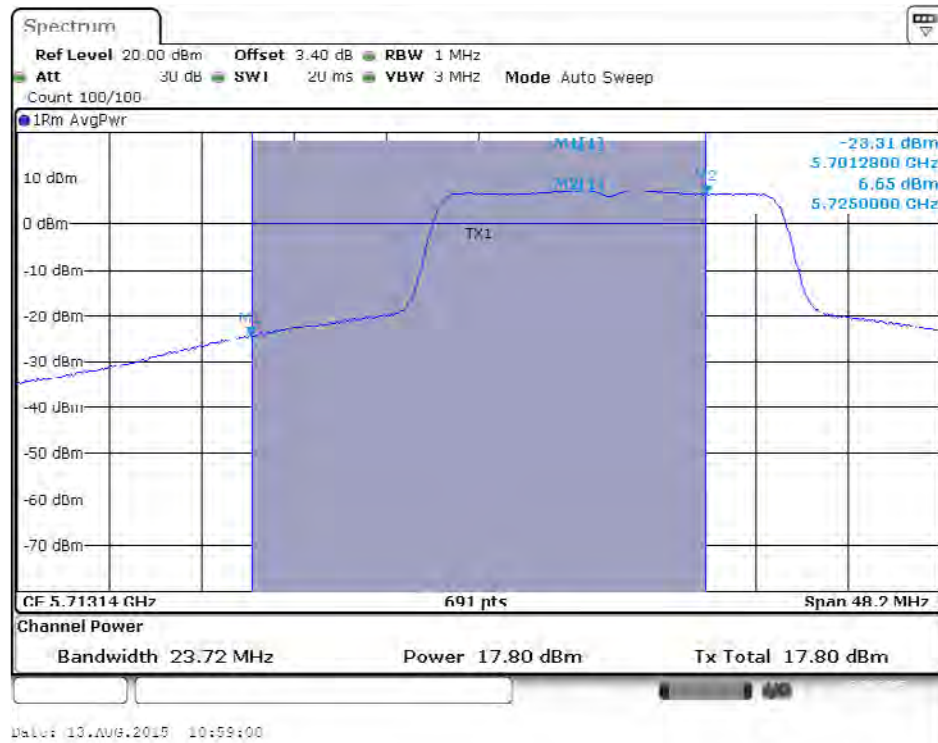
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



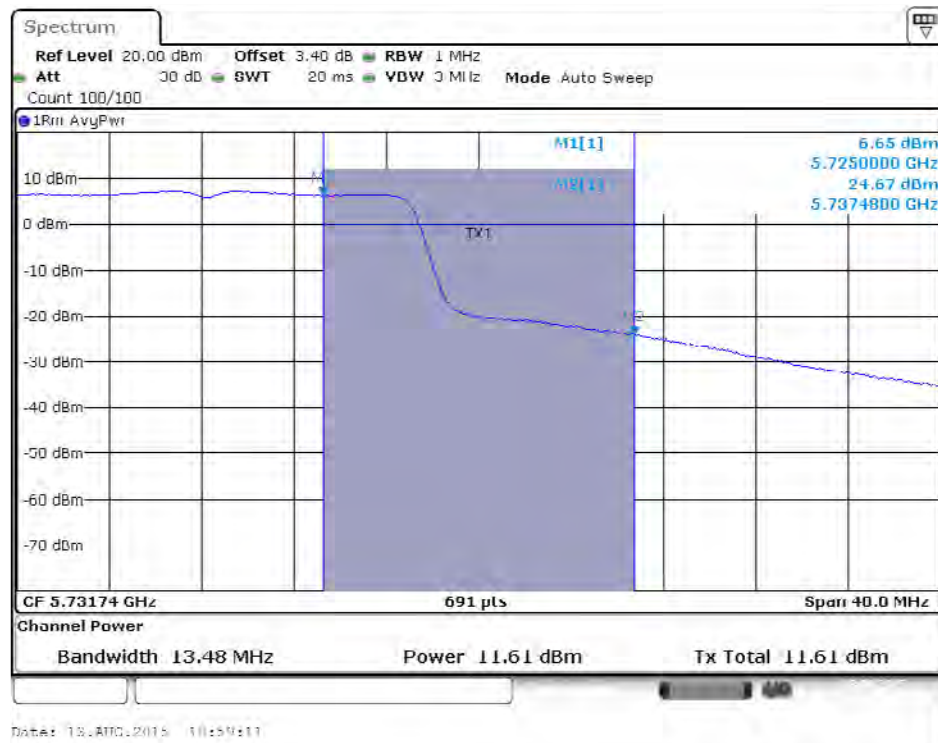
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



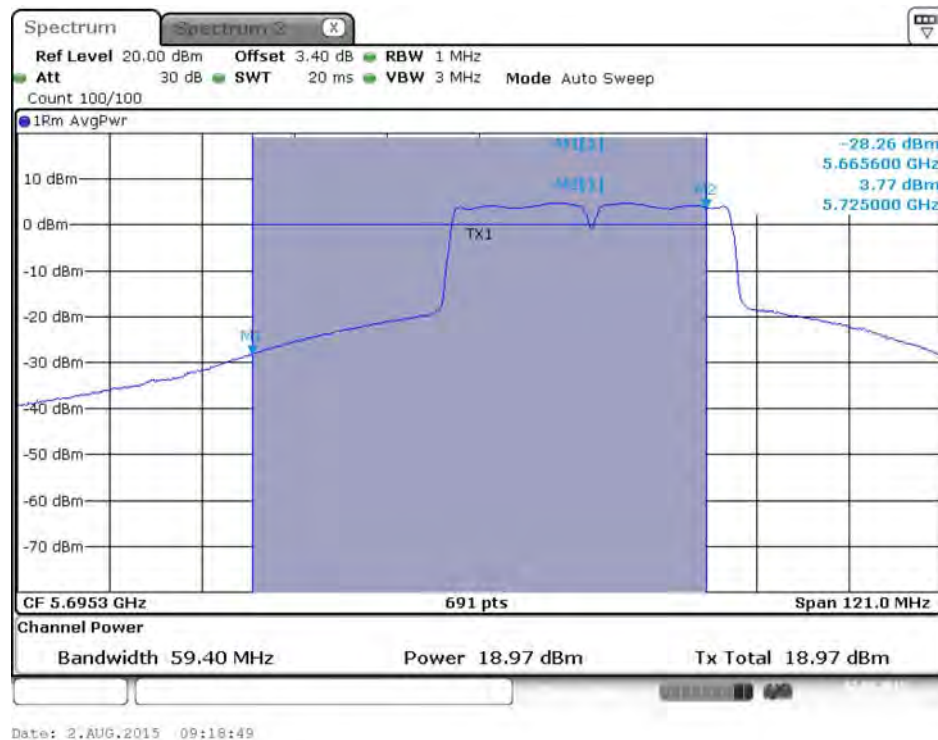
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



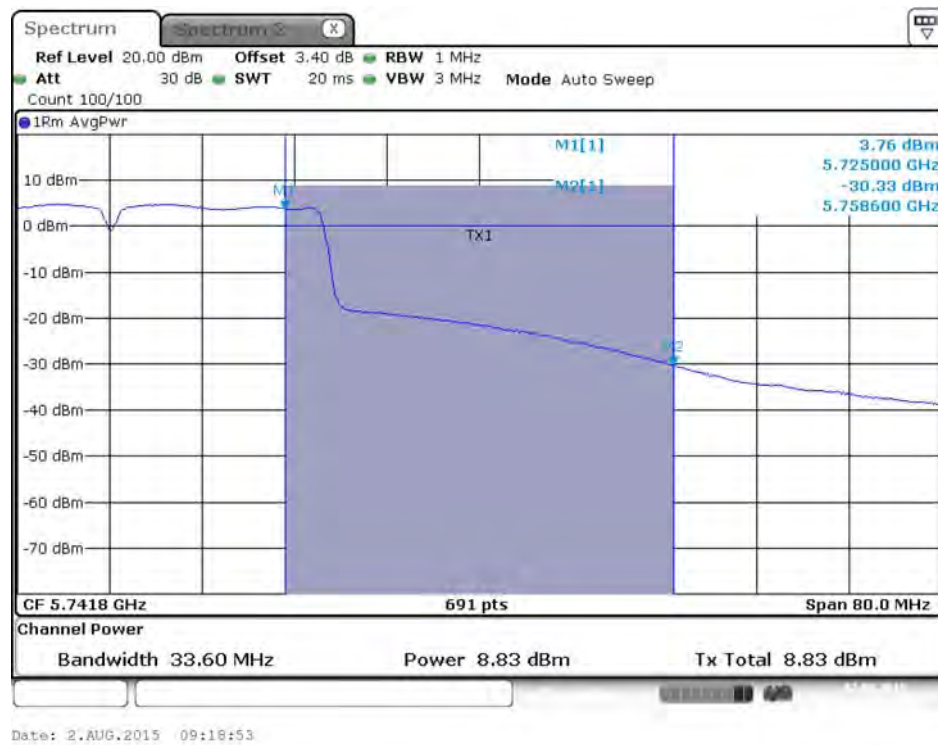
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



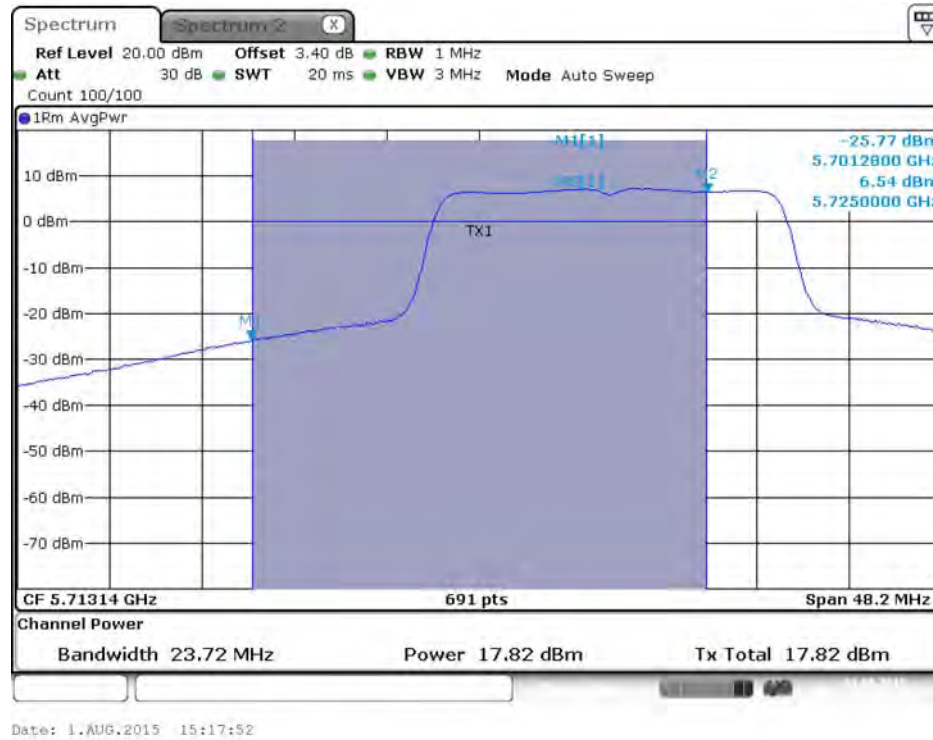
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



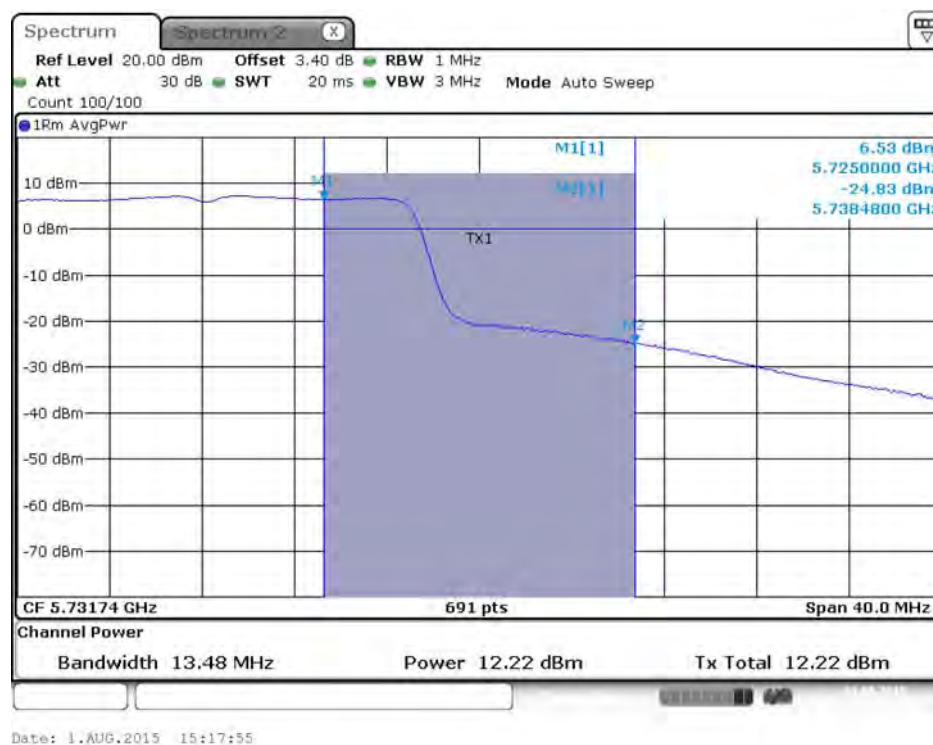
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



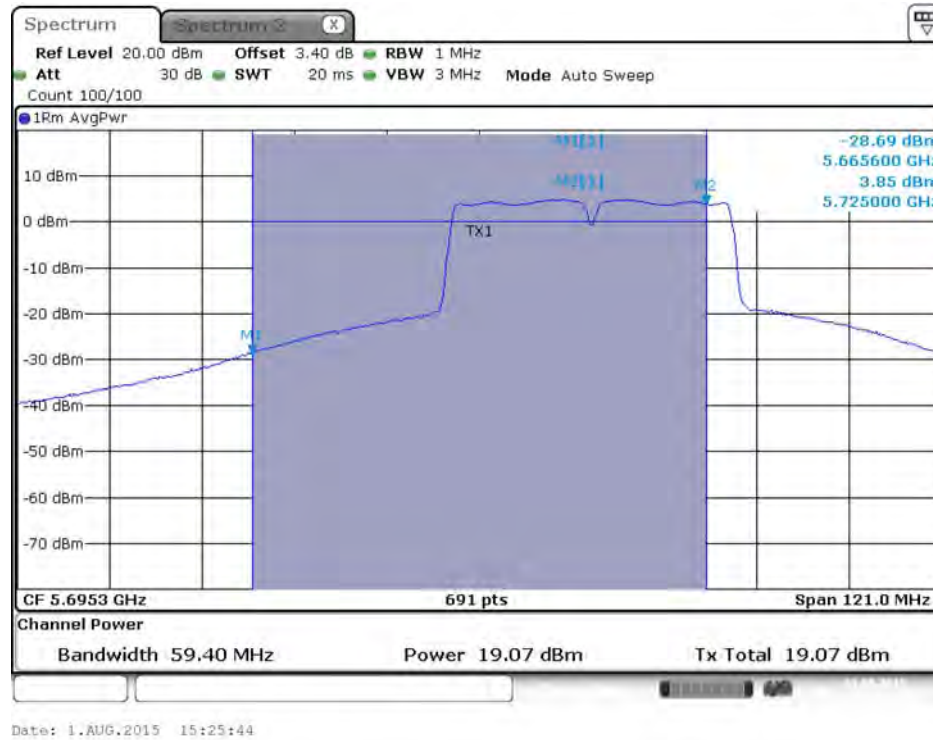
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 3)



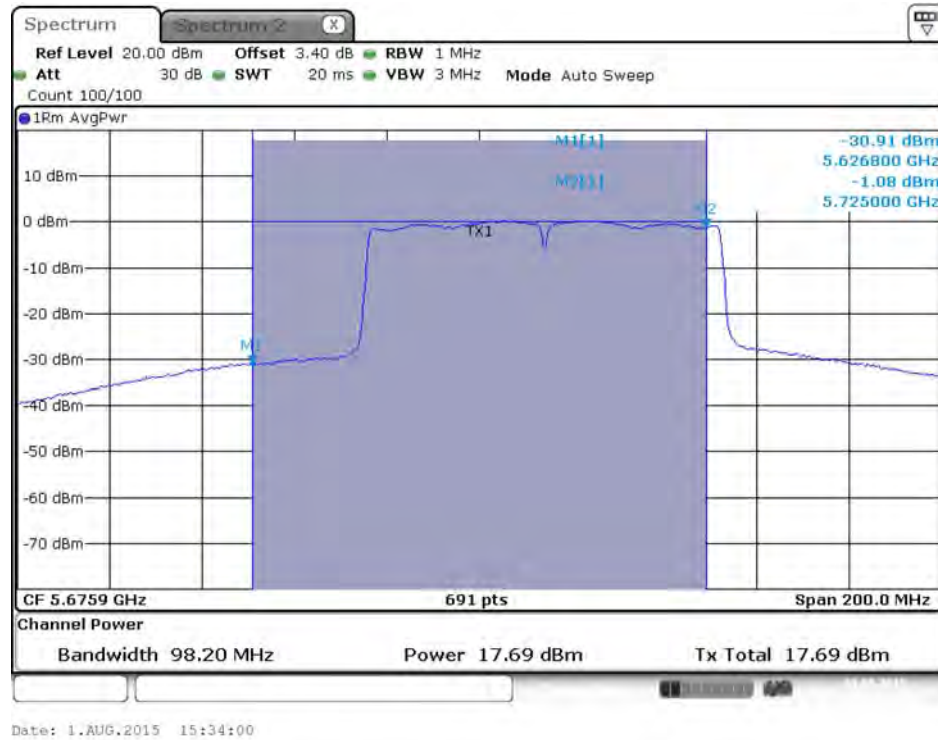
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



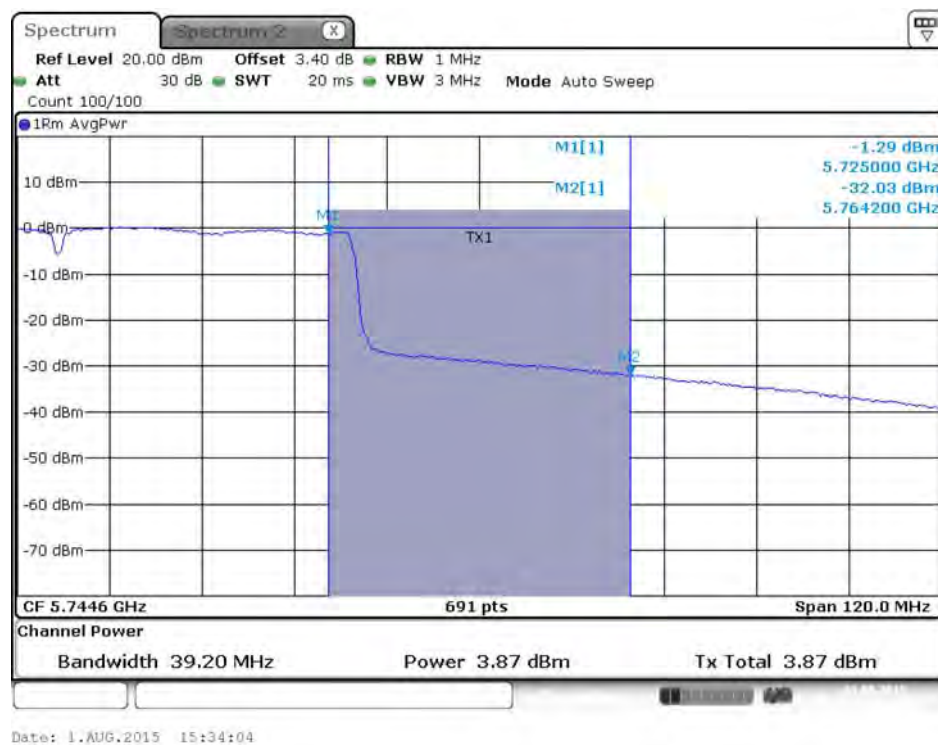
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)

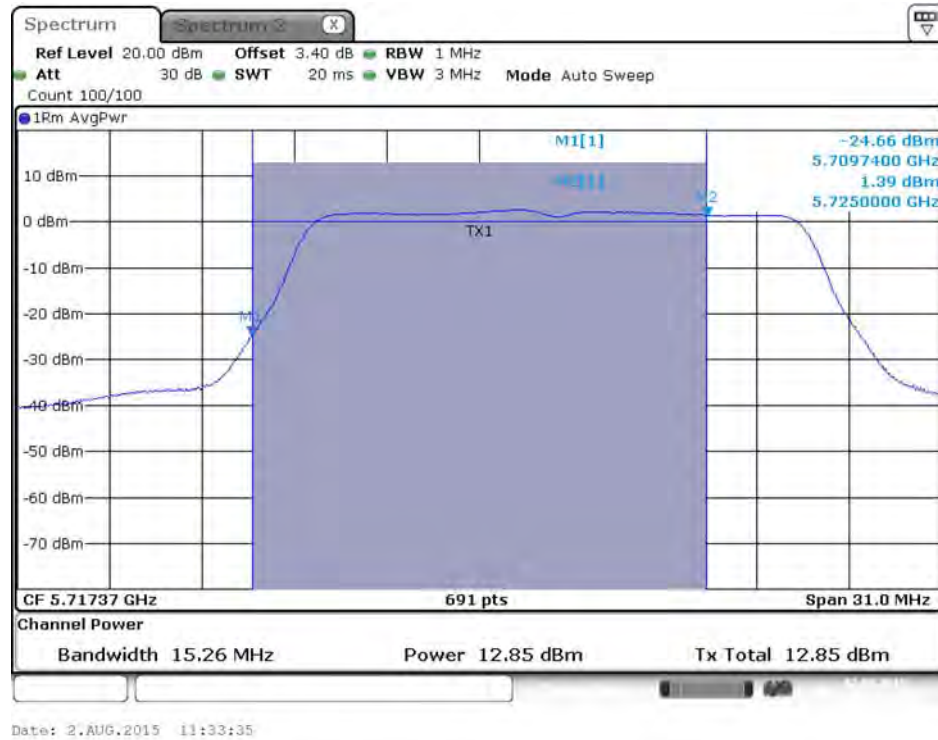


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

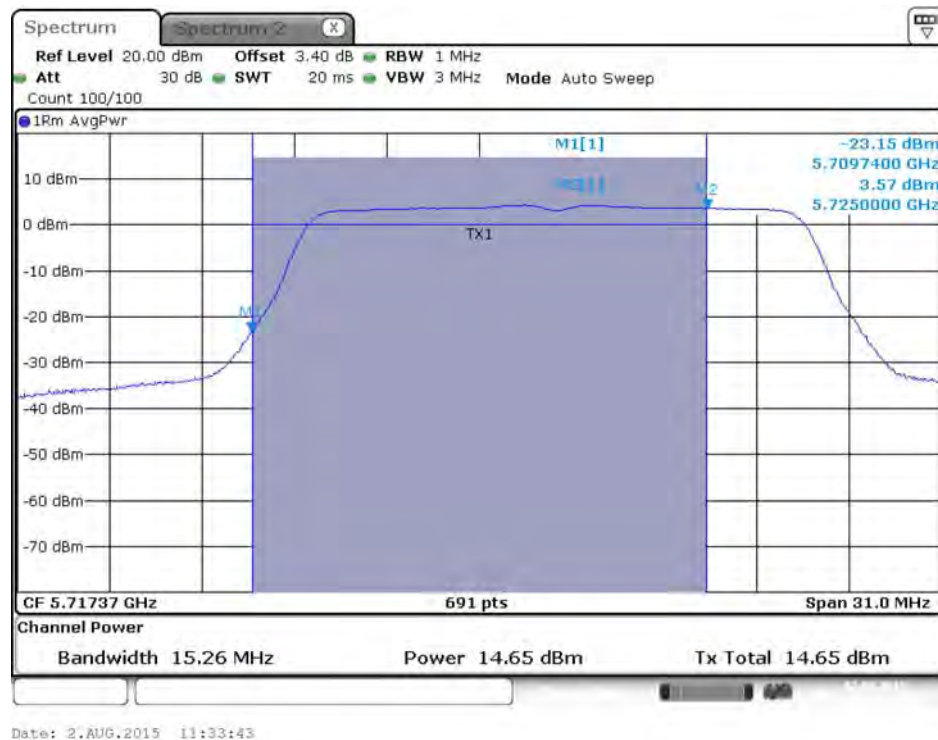
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



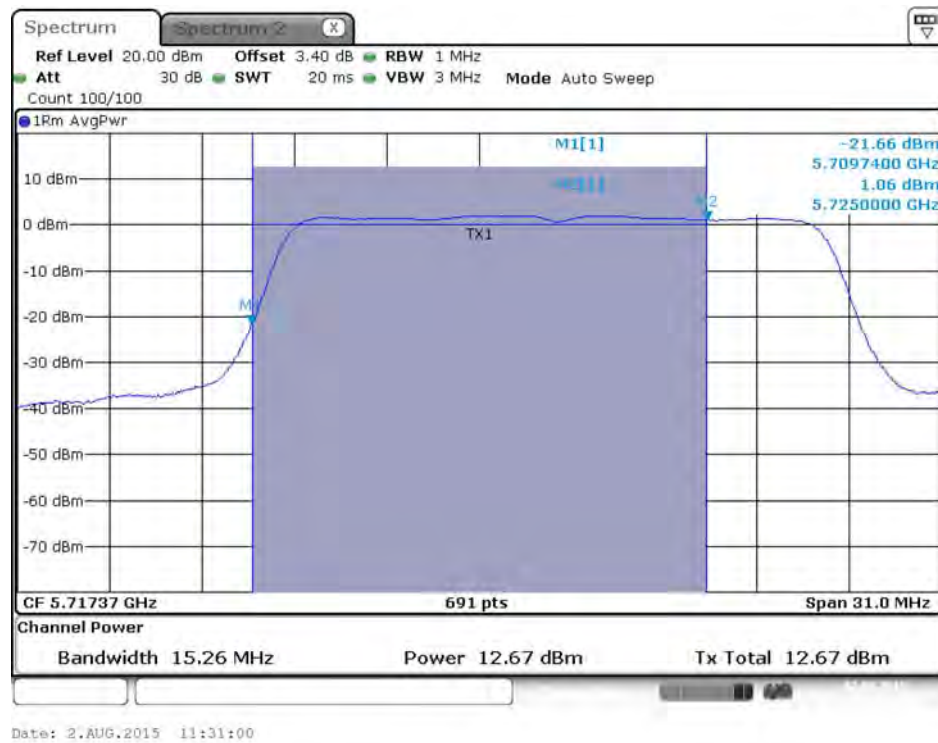
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



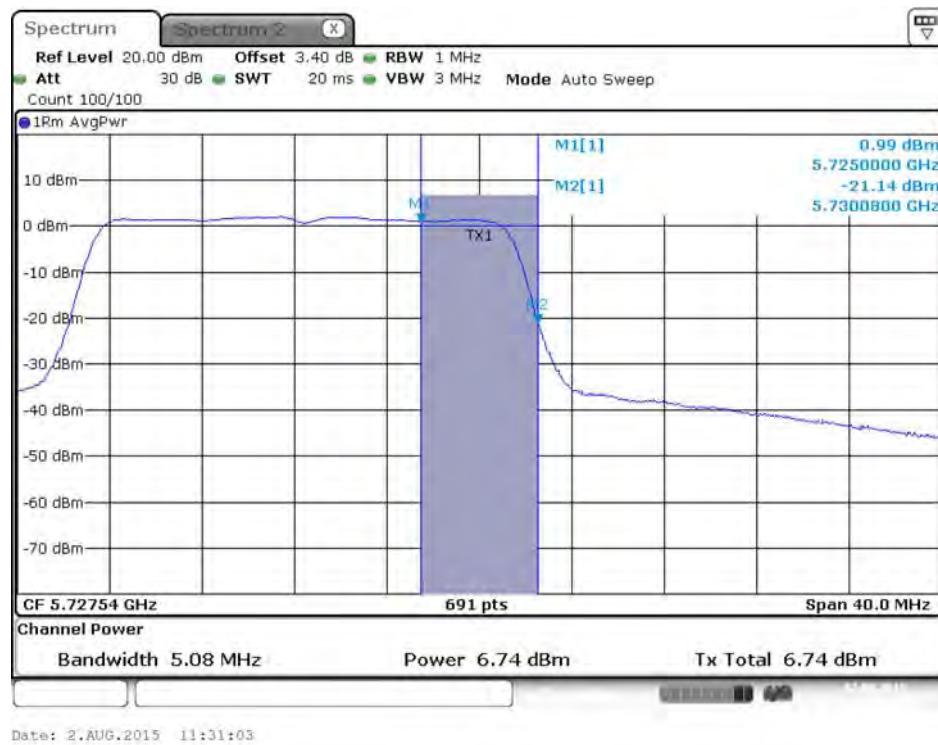
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



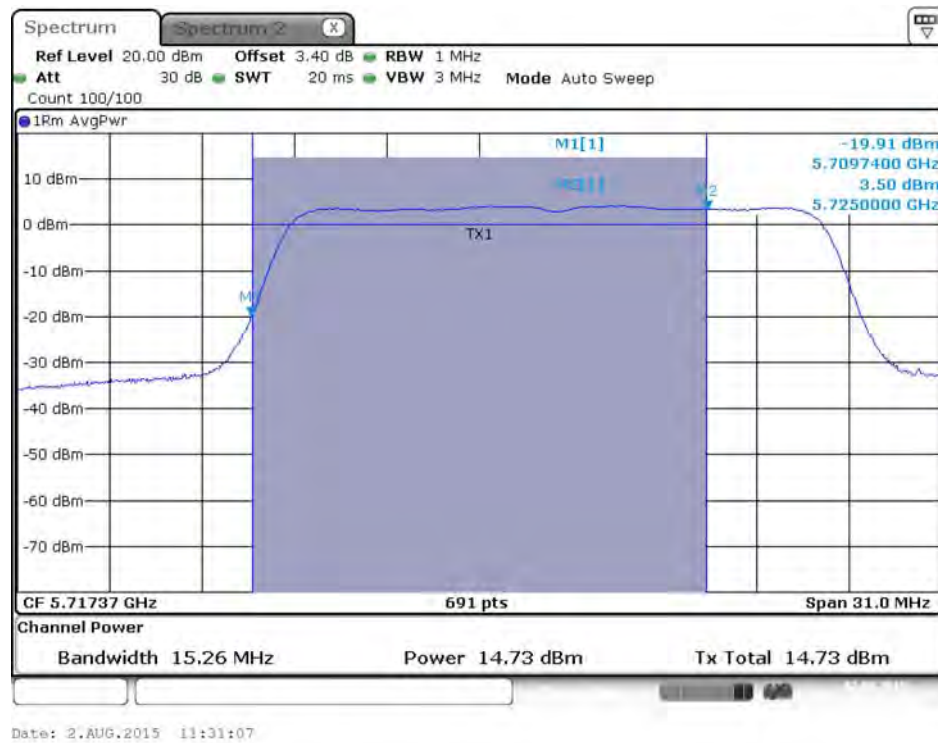
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



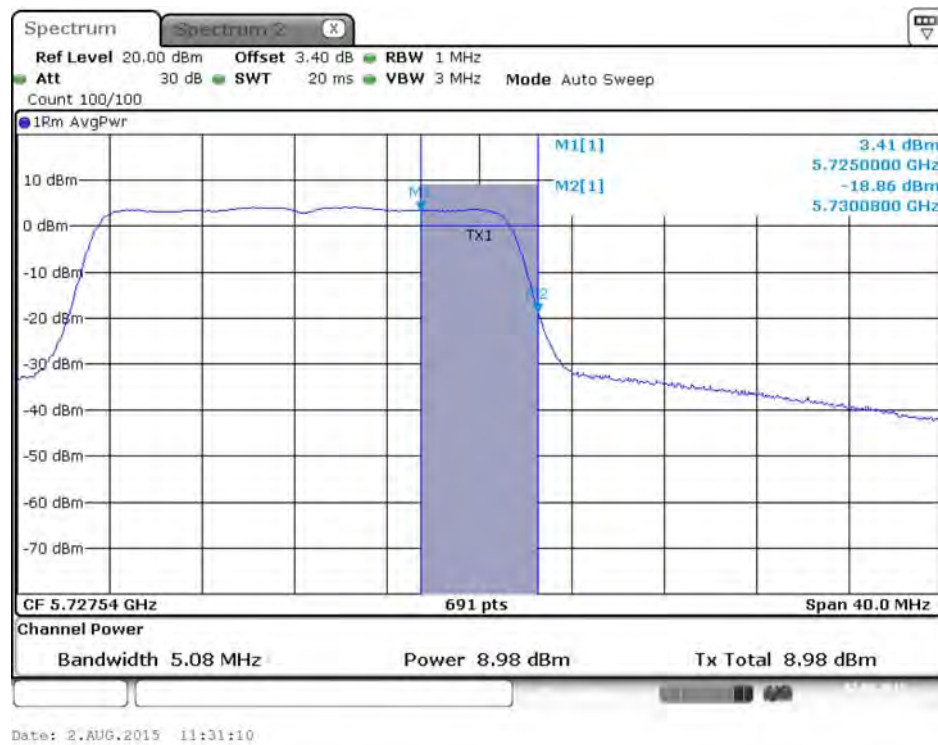
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)



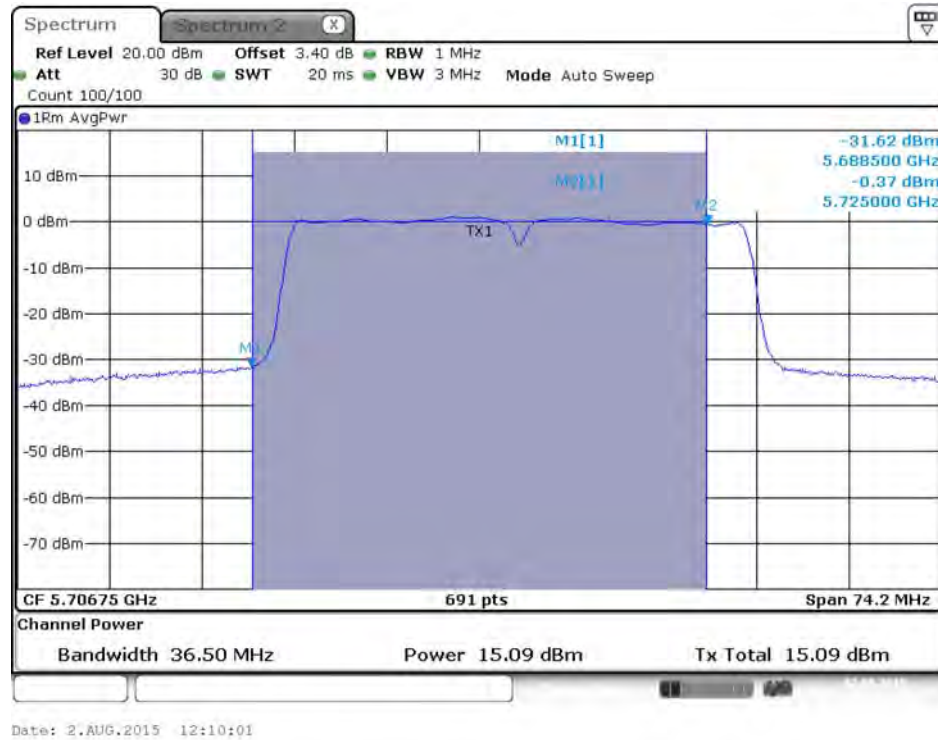
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



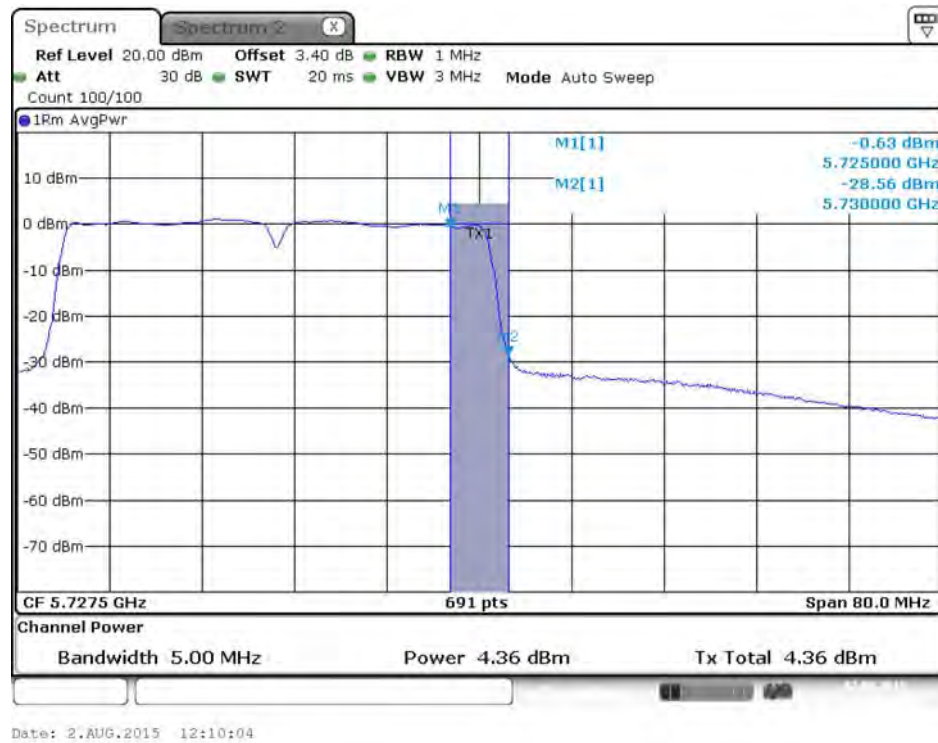
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



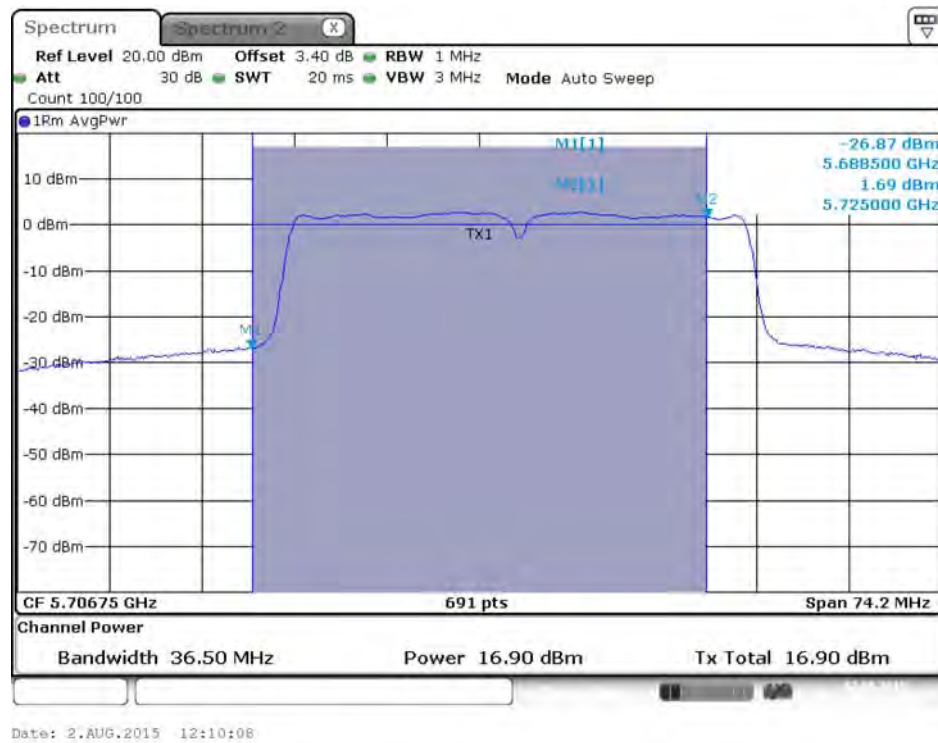
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



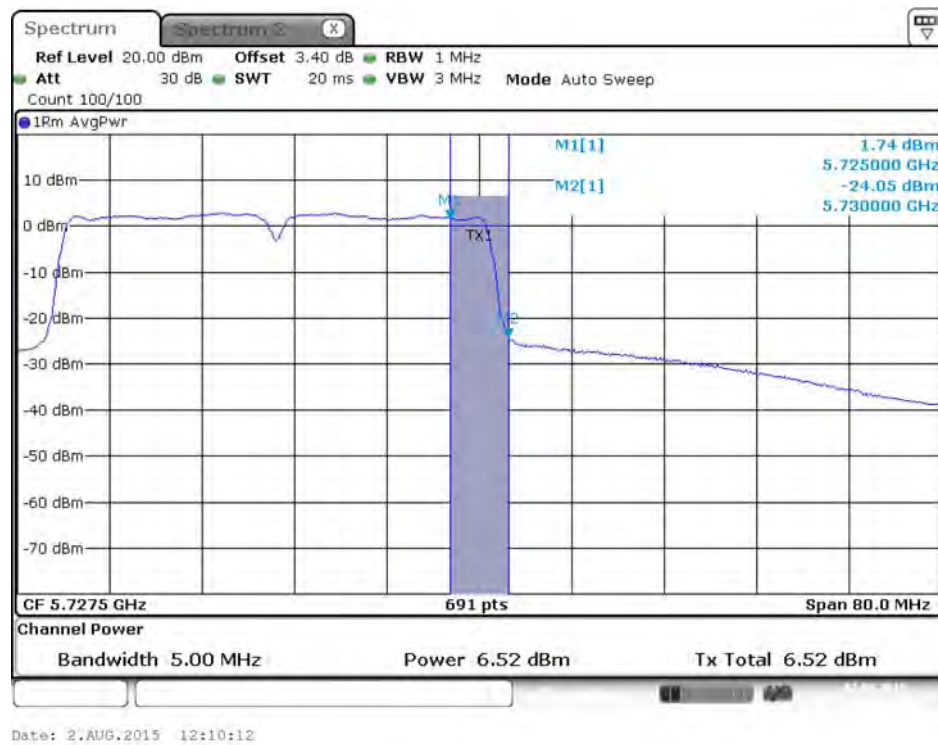
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)



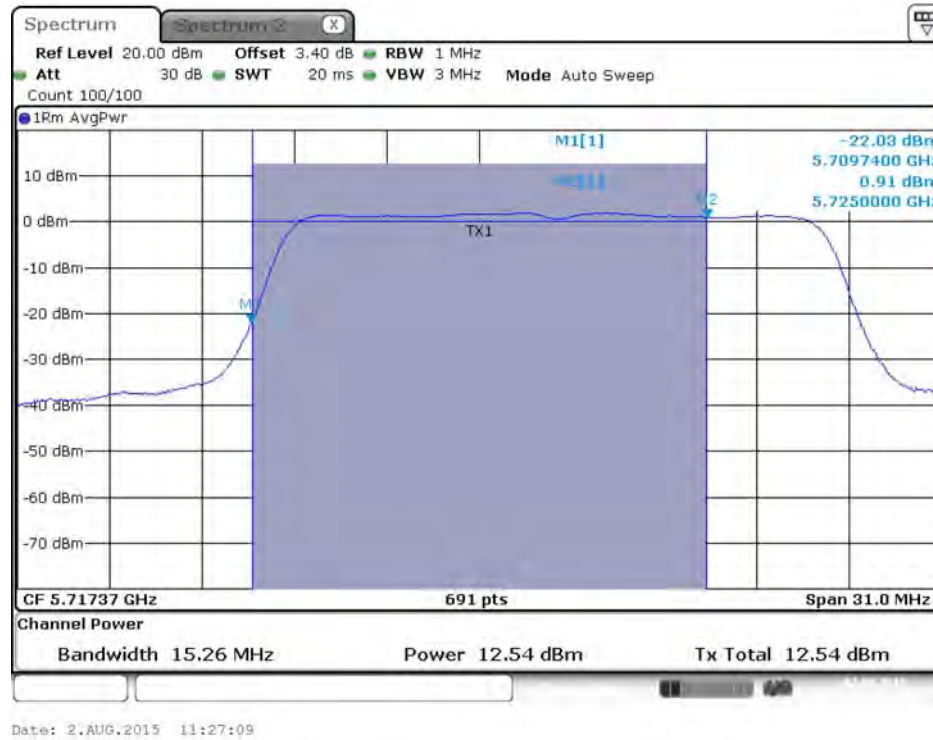
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



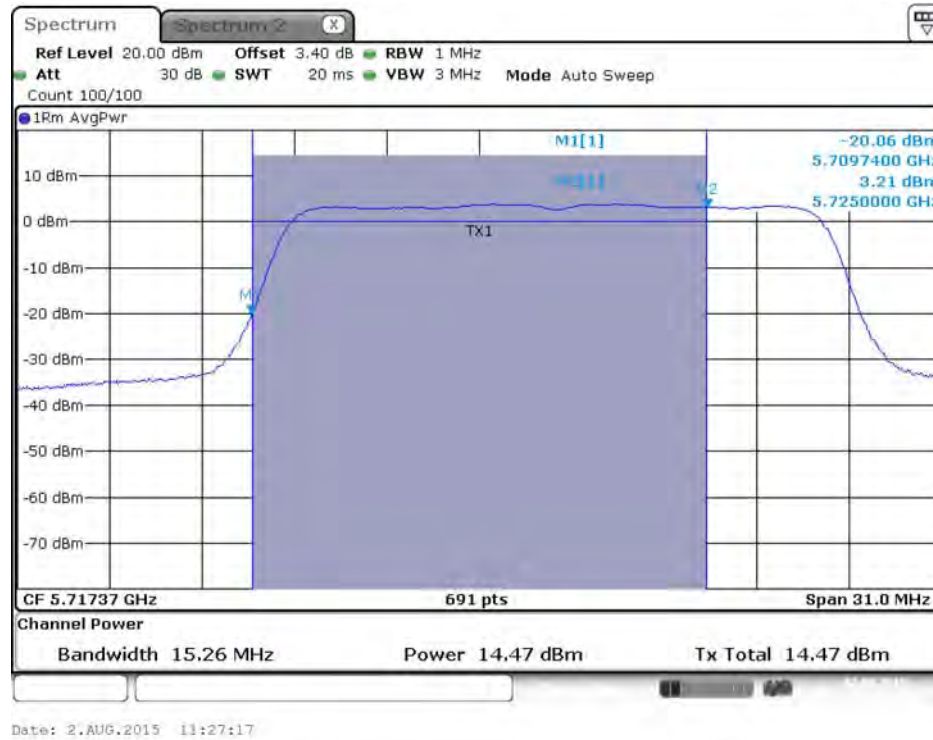
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



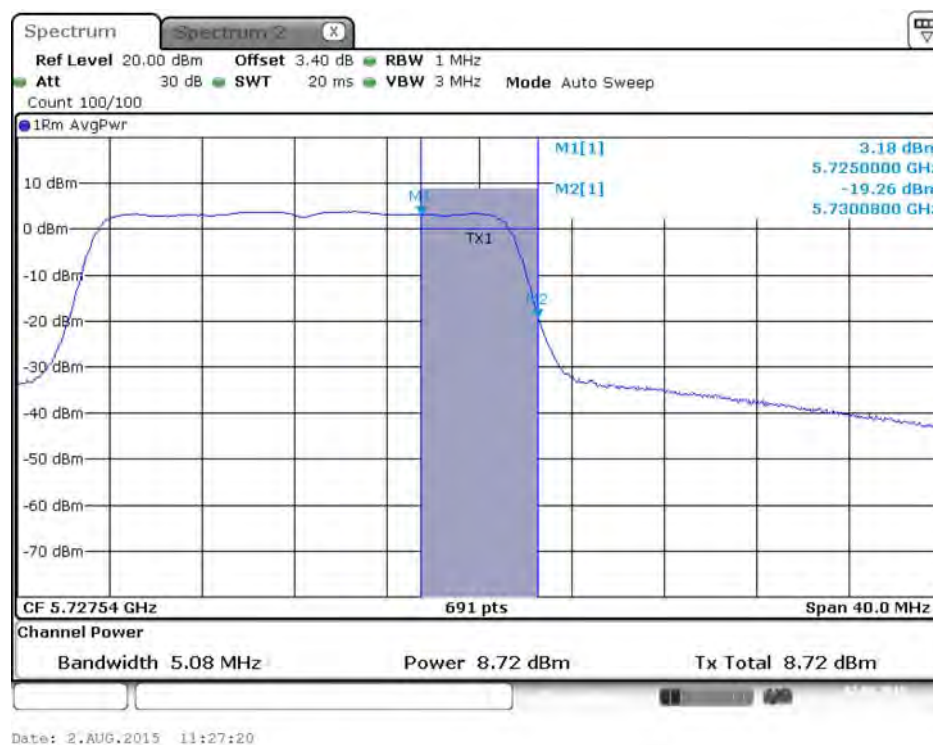
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 3)





Spectrum Spectrum 3 X

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
 Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
 Count 100/100

1Rm AvgPwr

MI[1] -31.81 dBm
 M2 -0.44 dBm
 5.688500 GHz
 5.725000 GHz

CF 5.70675 GHz 691 pts Span 74.2 MHz

Channel Power
 Bandwidth 36.50 MHz Power 15.20 dBm Tx Total 15.20 dBm

Date: 2.AUG.2015 11:57:57

Spectrum Spectrum 2 X

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

1Rm AvgPwr

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

M1[1] -0.42 dBm
M2[1] -28.72 dBm
5.725000 GHz
5.730000 GHz

TX1

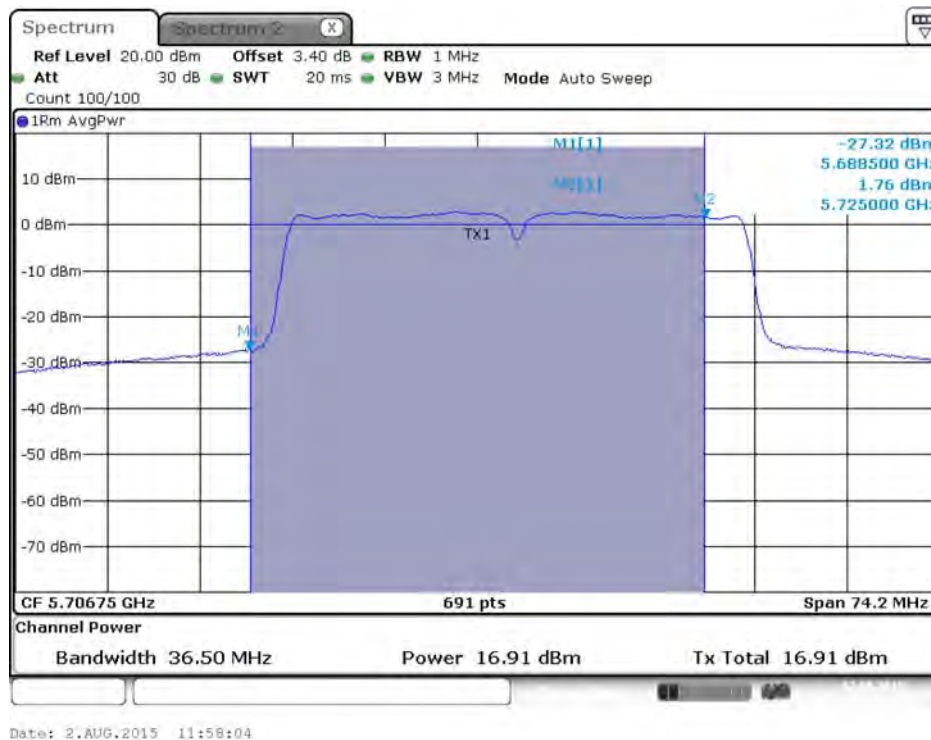
CF 5.7275 GHz 691 pts Span 80.0 MHz

Channel Power

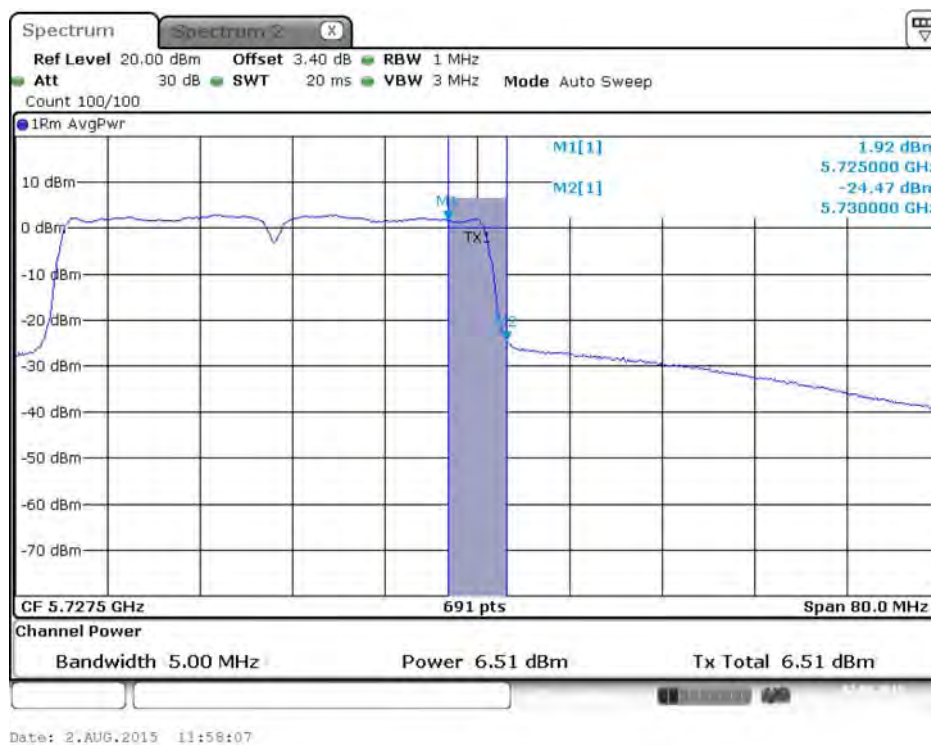
Bandwidth 5.00 MHz Power 4.46 dBm Tx Total 4.46 dBm

Date: 2.AUG.2015 11:58:00

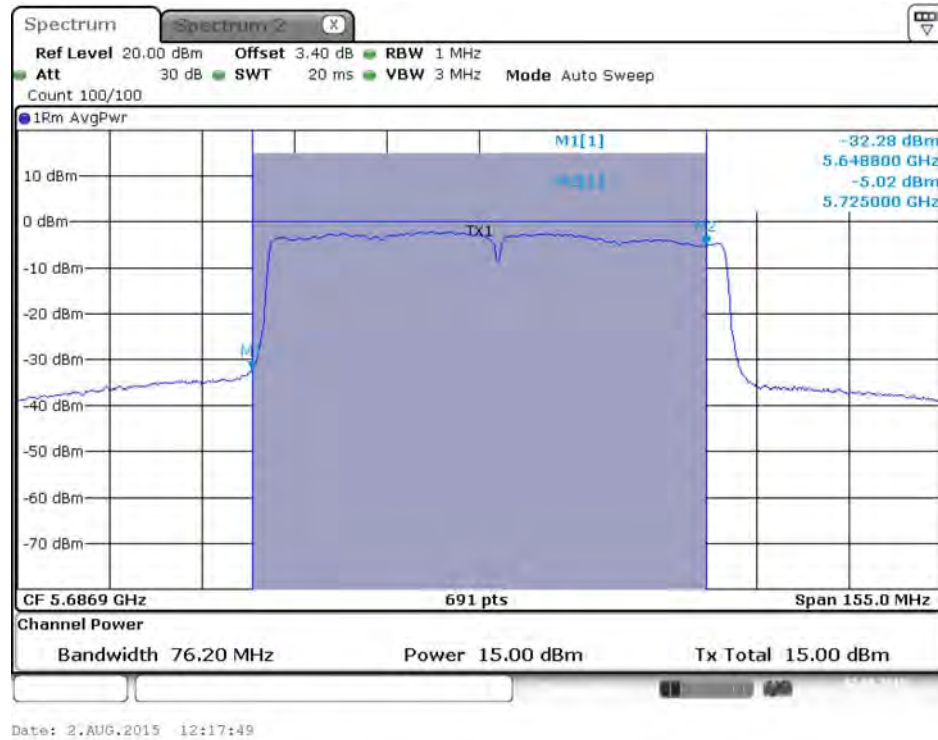
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



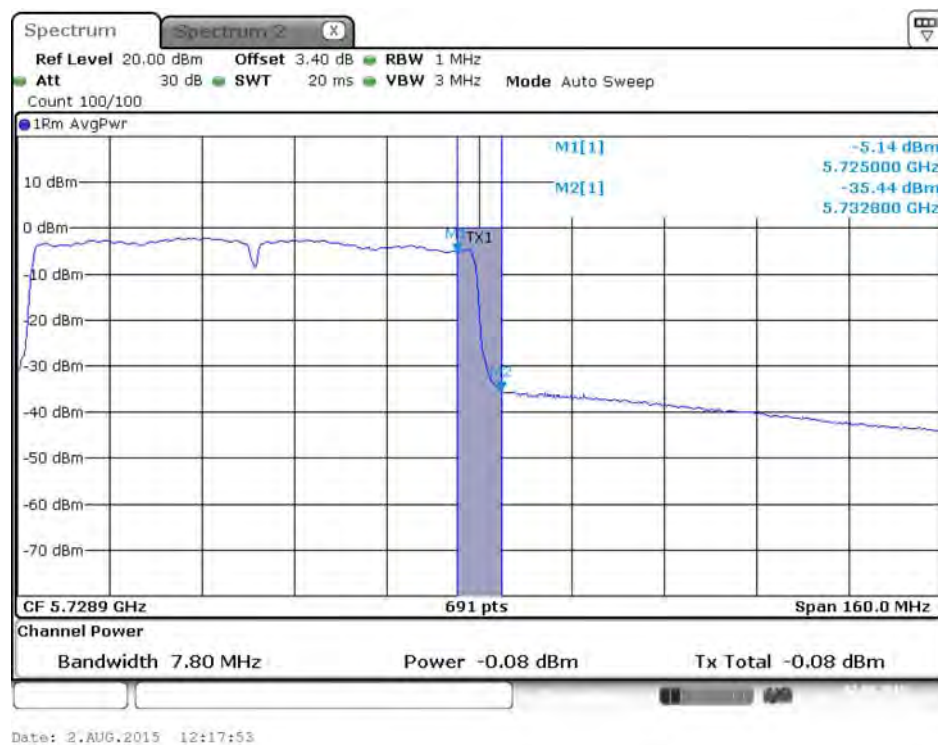
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



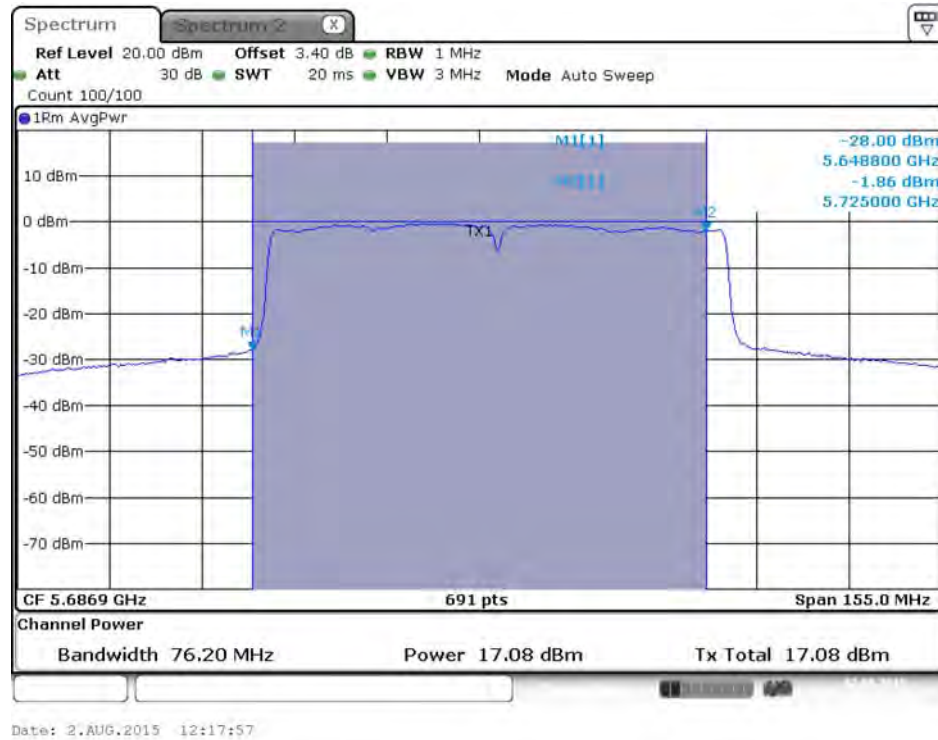
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



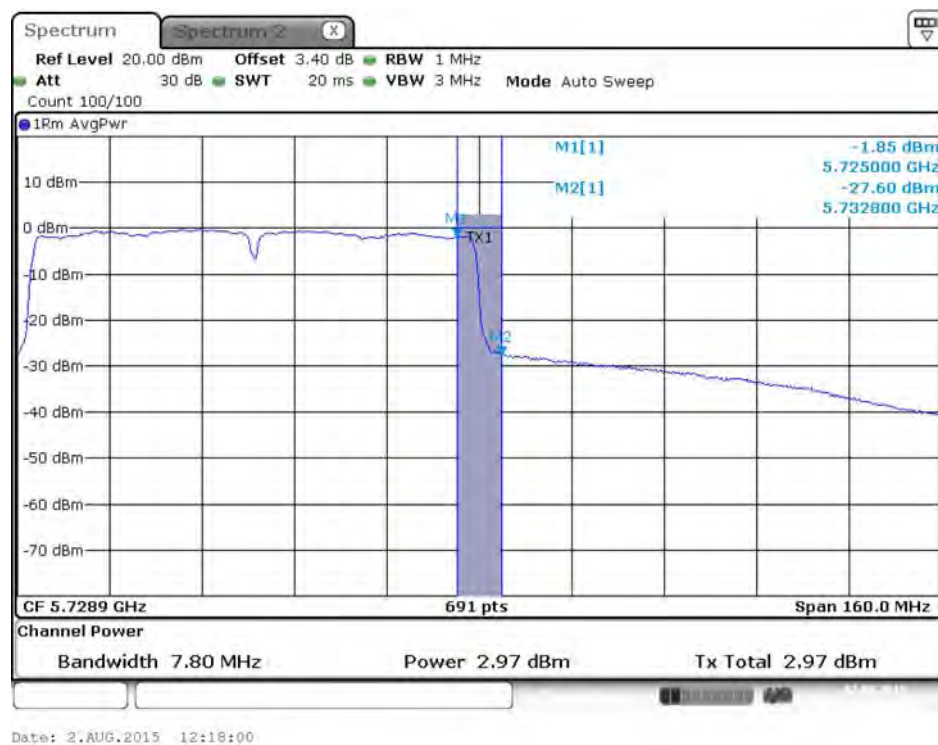
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz
(UNII 2C)

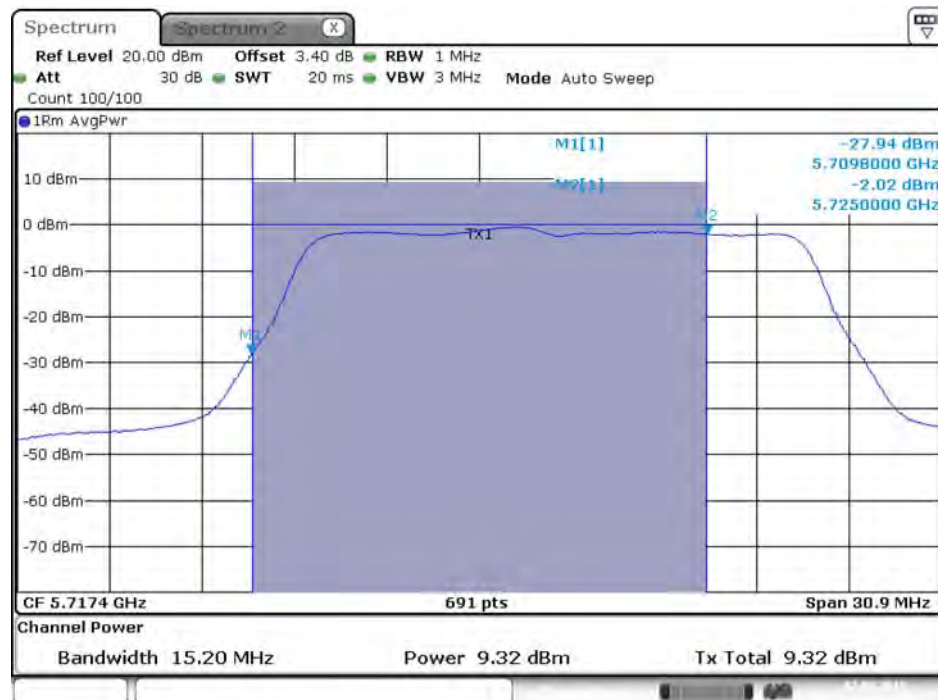


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz
(UNII 3)



Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



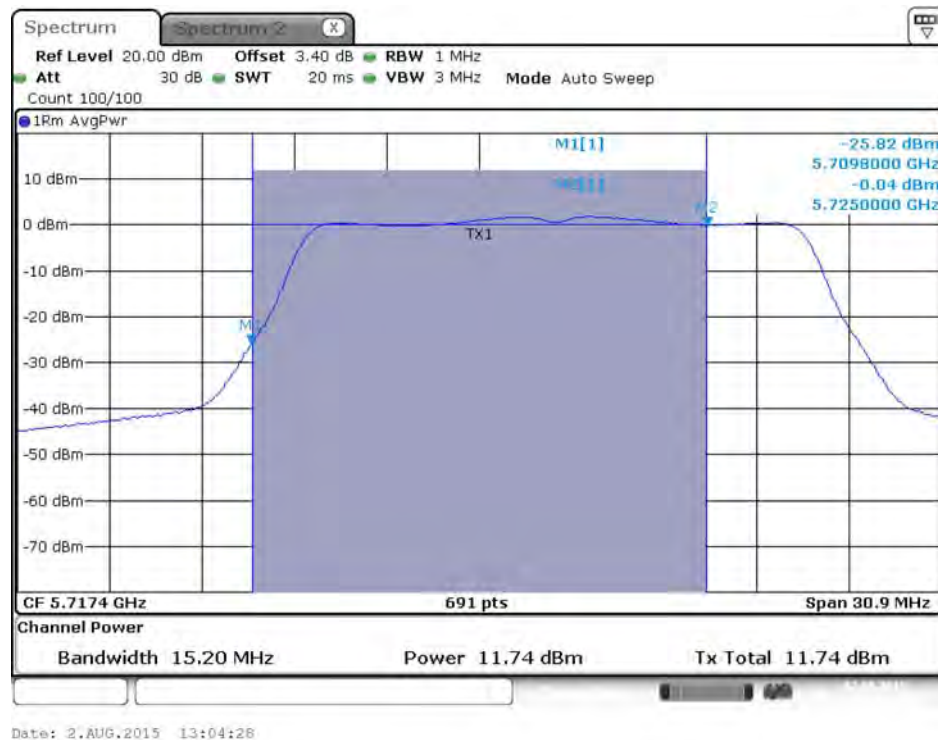
Date: 2.AUG.2015 13:04:20

Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



Date: 2.AUG.2015 13:04:24

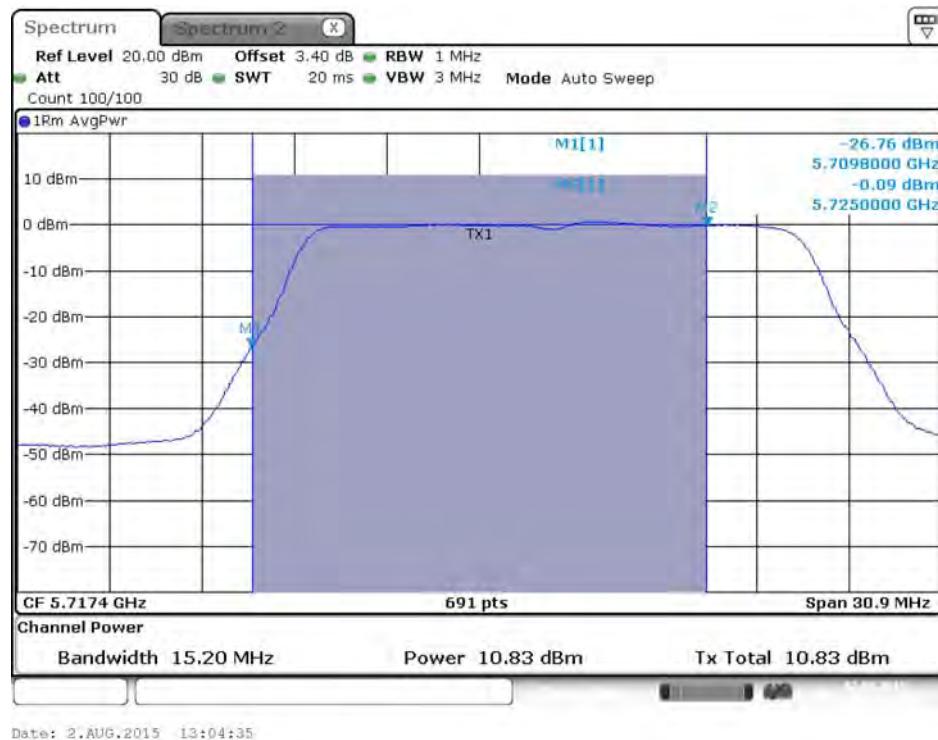
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



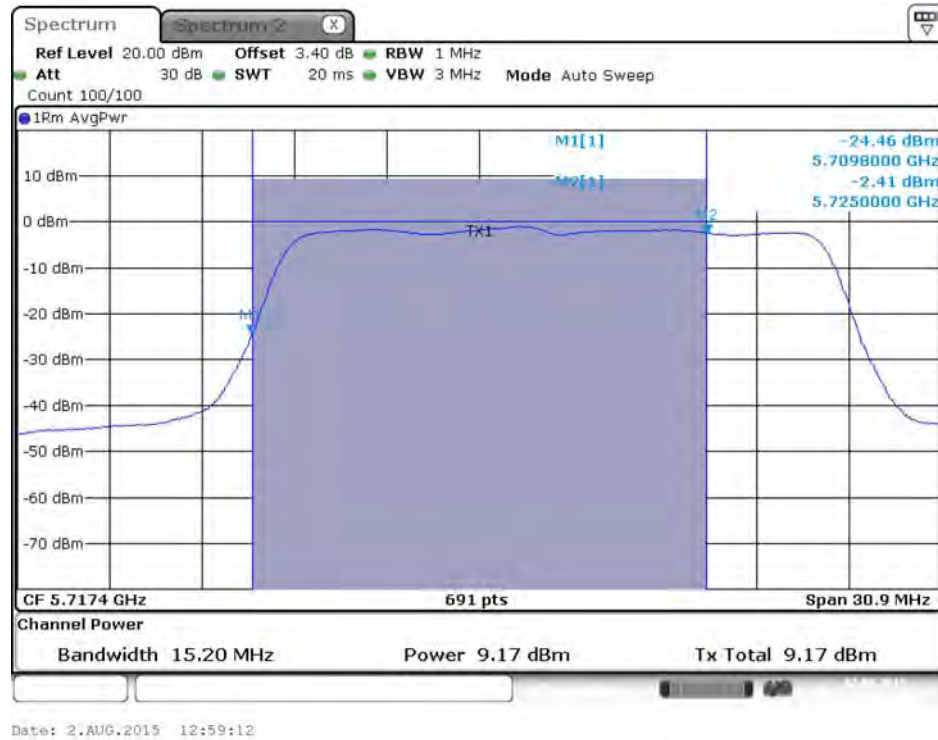
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 2C)



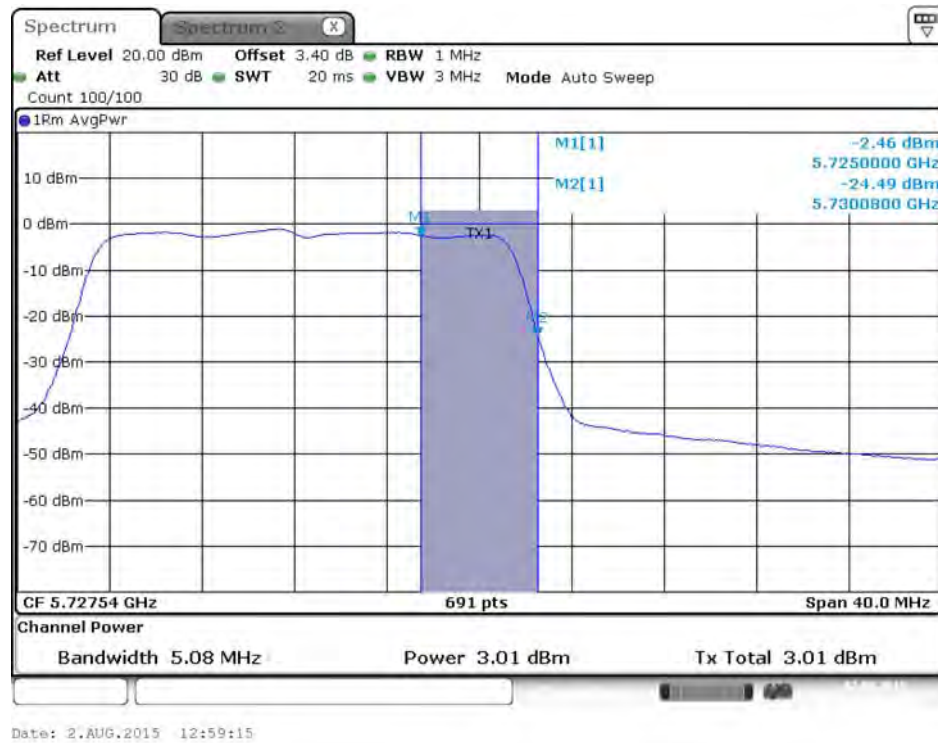
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 3)



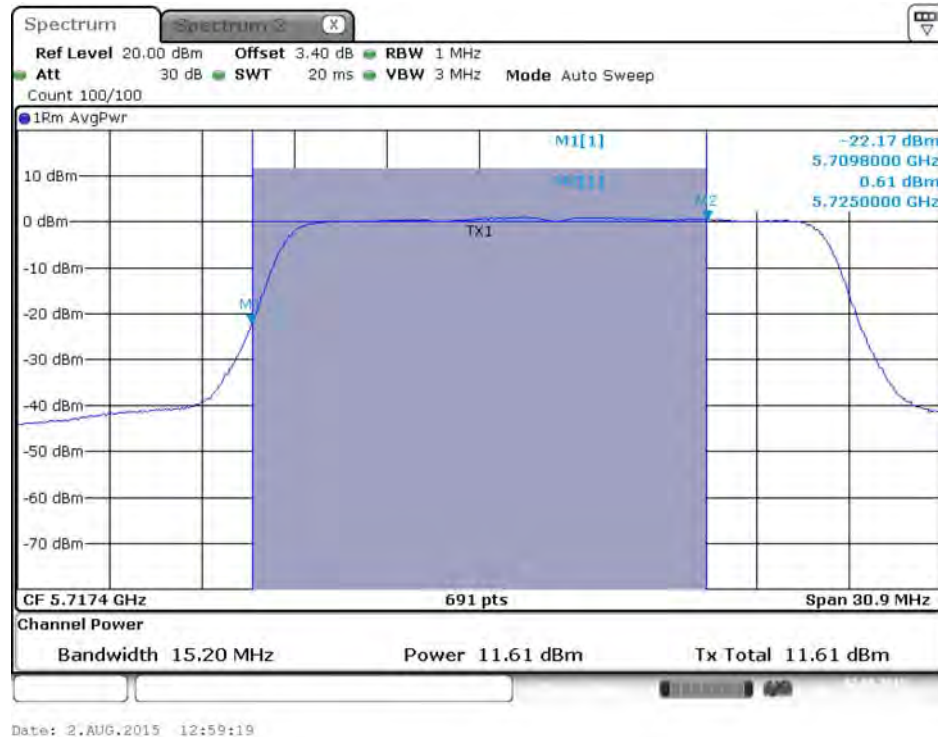
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



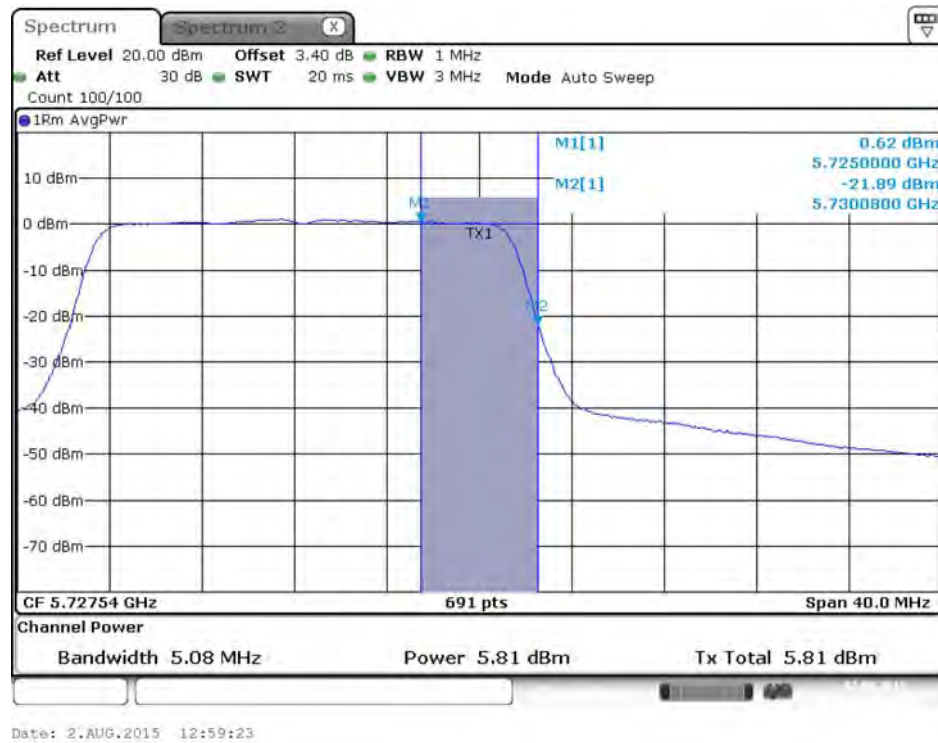
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)



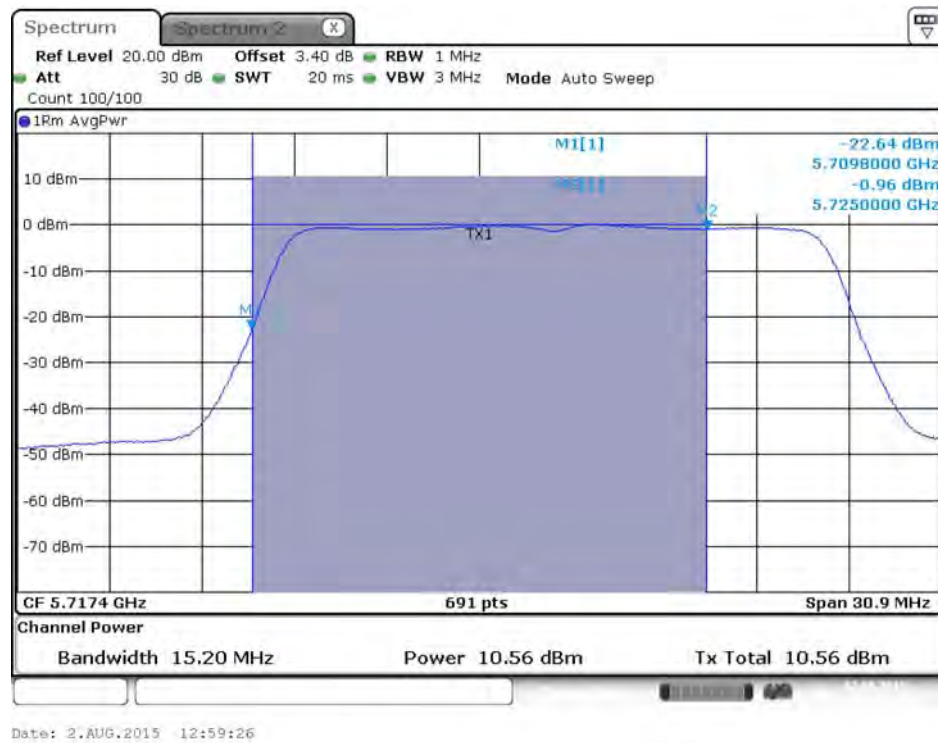
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



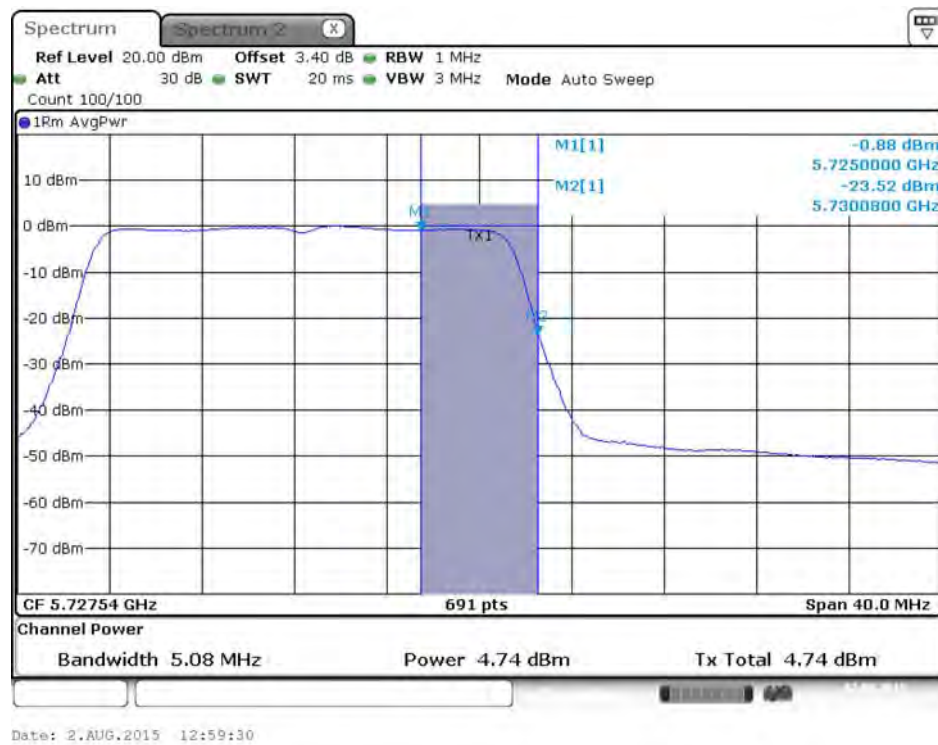
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



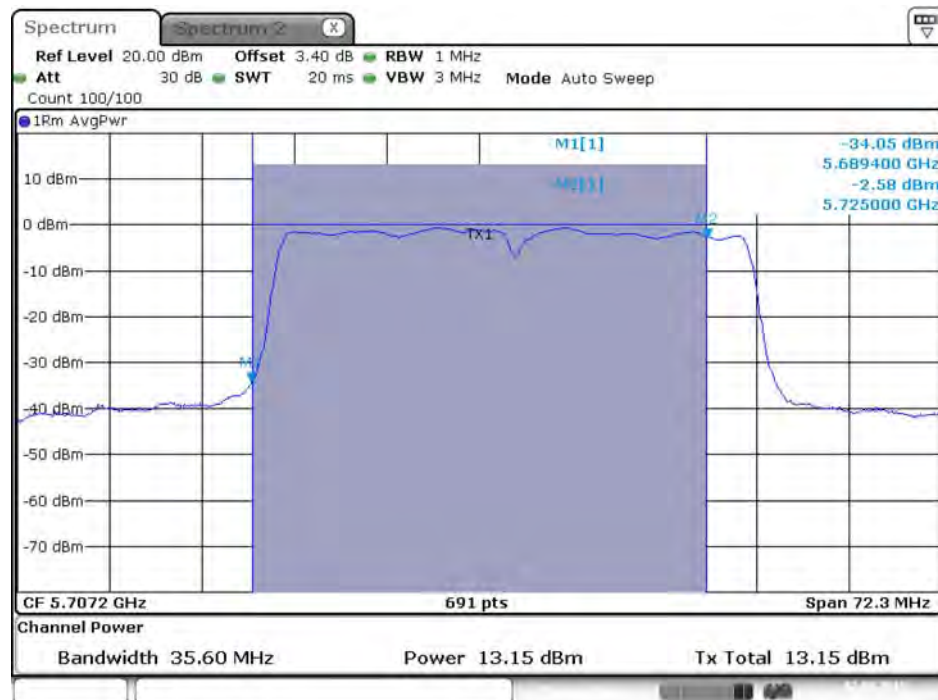
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 3 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 3 / 5720 MHz (UNII 3)

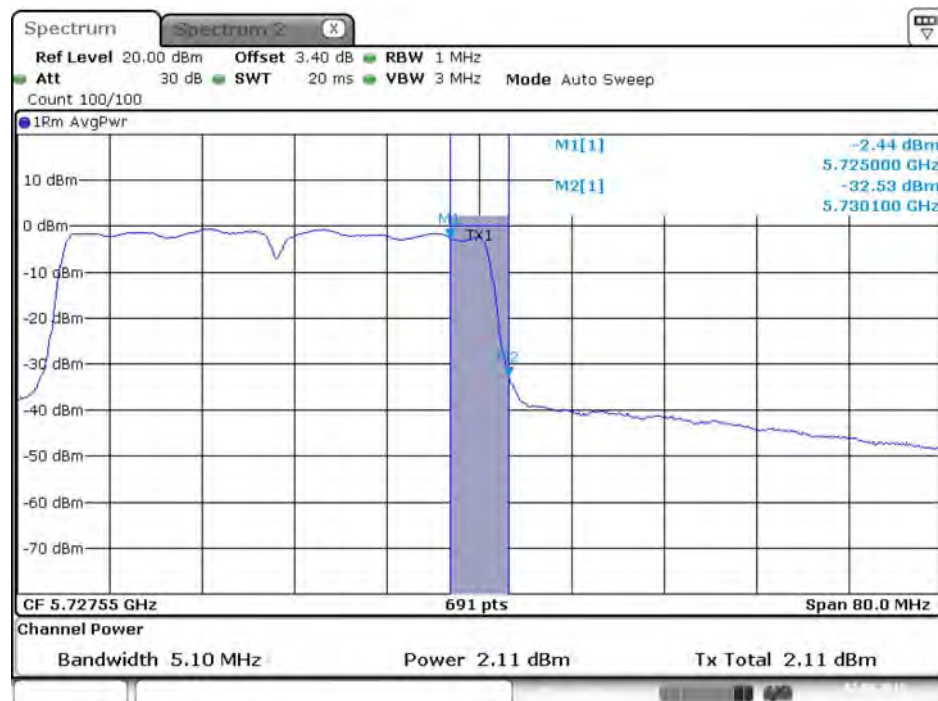


Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



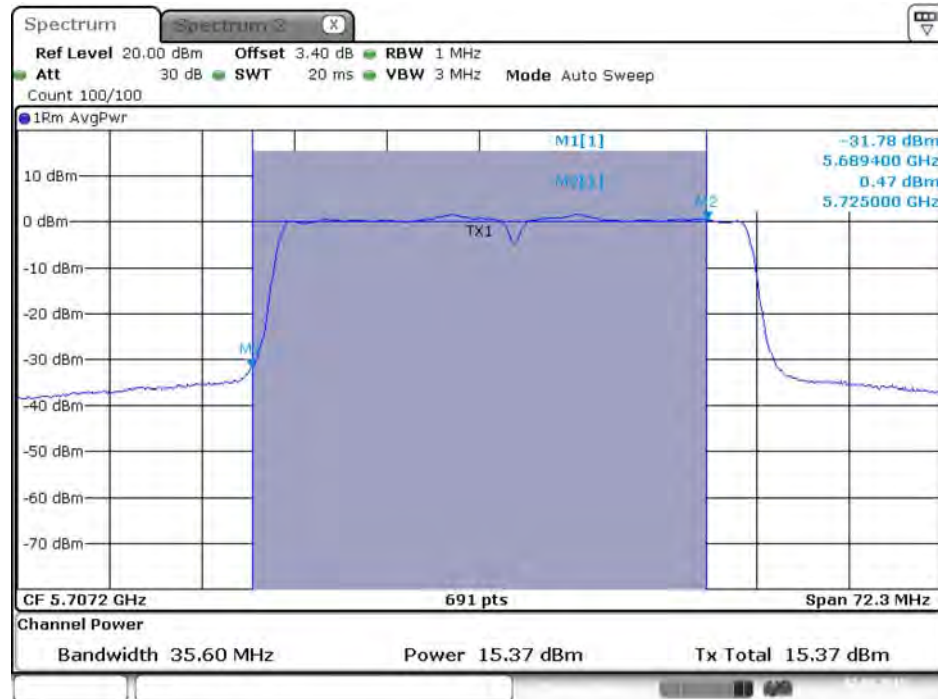
Date: 2.AUG.2015 13:52:27

Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)



Date: 2.AUG.2015 13:52:31

Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



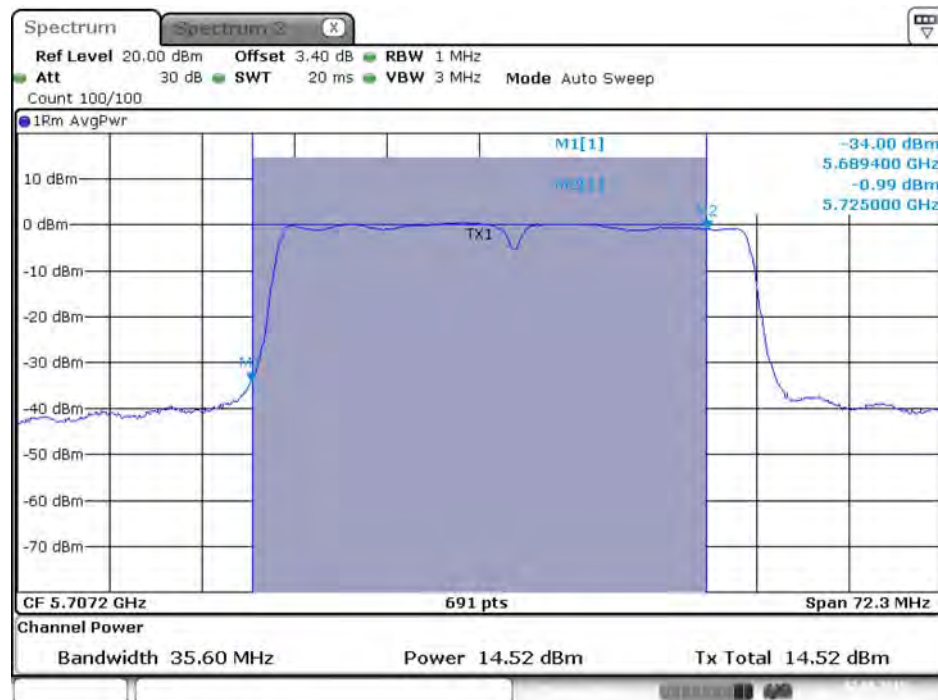
Date: 2.AUG.2015 13:52:35

Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



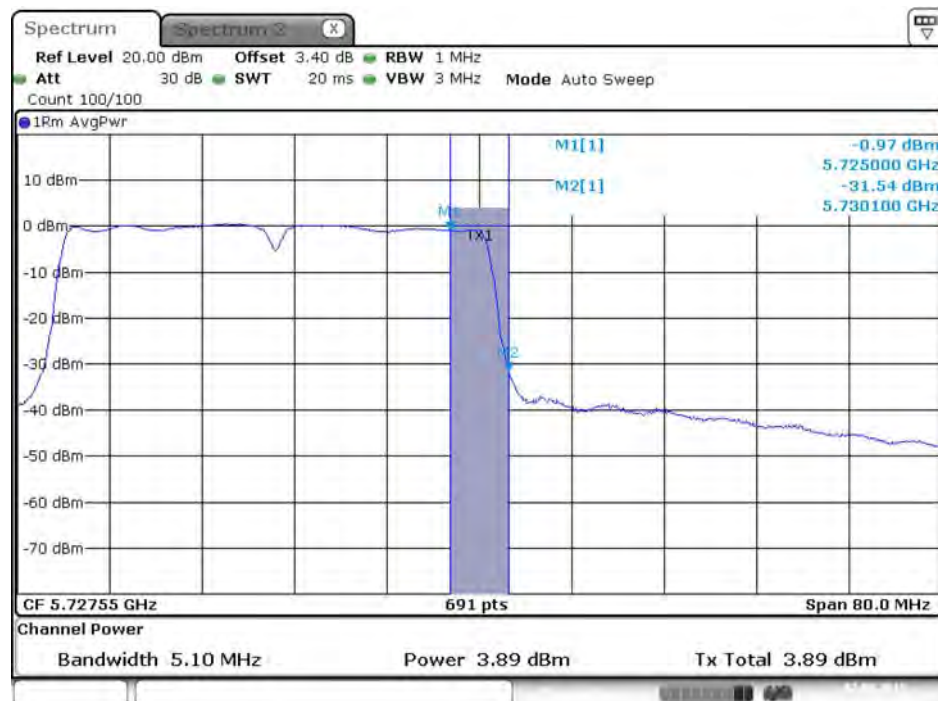
Date: 2.AUG.2015 13:52:38

Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 3 / 5710 MHz (UNII 2C)



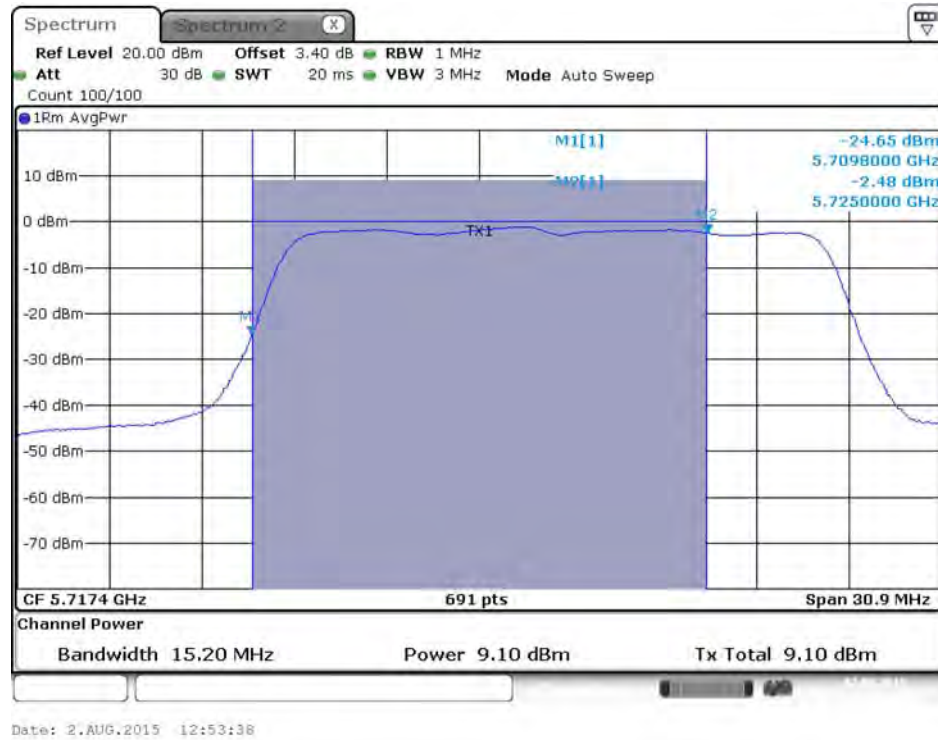
Date: 2.AUG.2015 13:52:42

Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 3 / 5710 MHz (UNII 3)

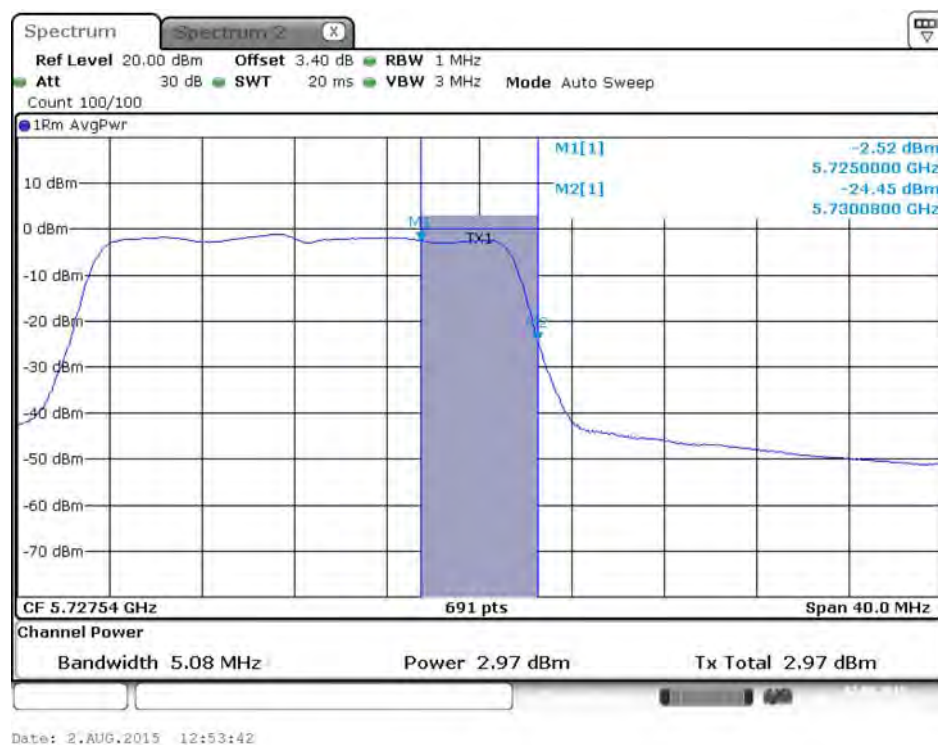


Date: 2.AUG.2015 13:52:46

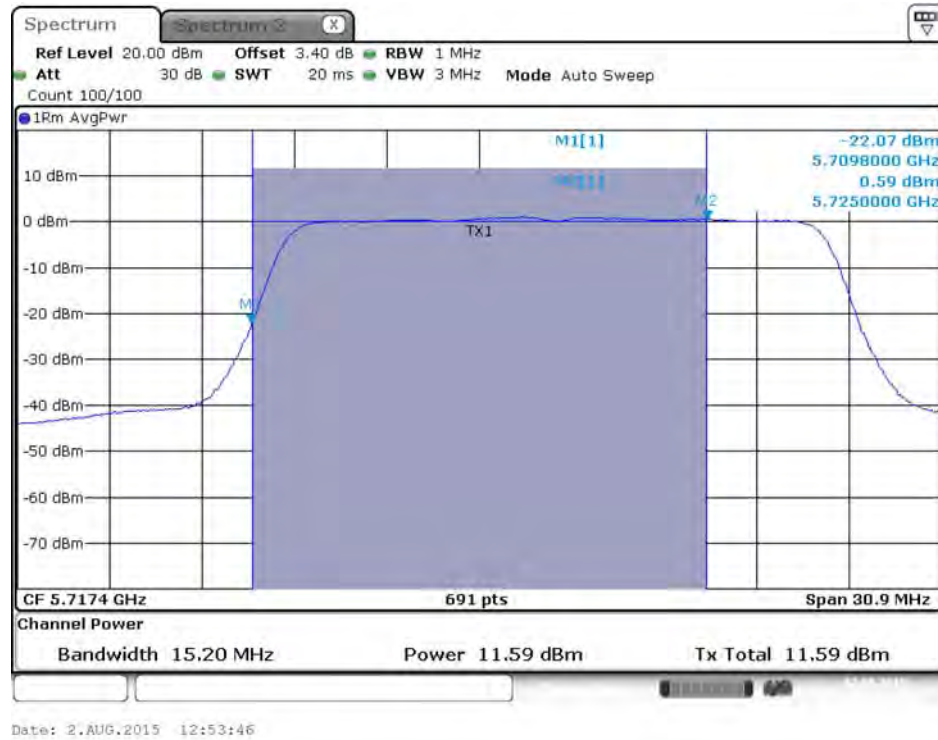
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



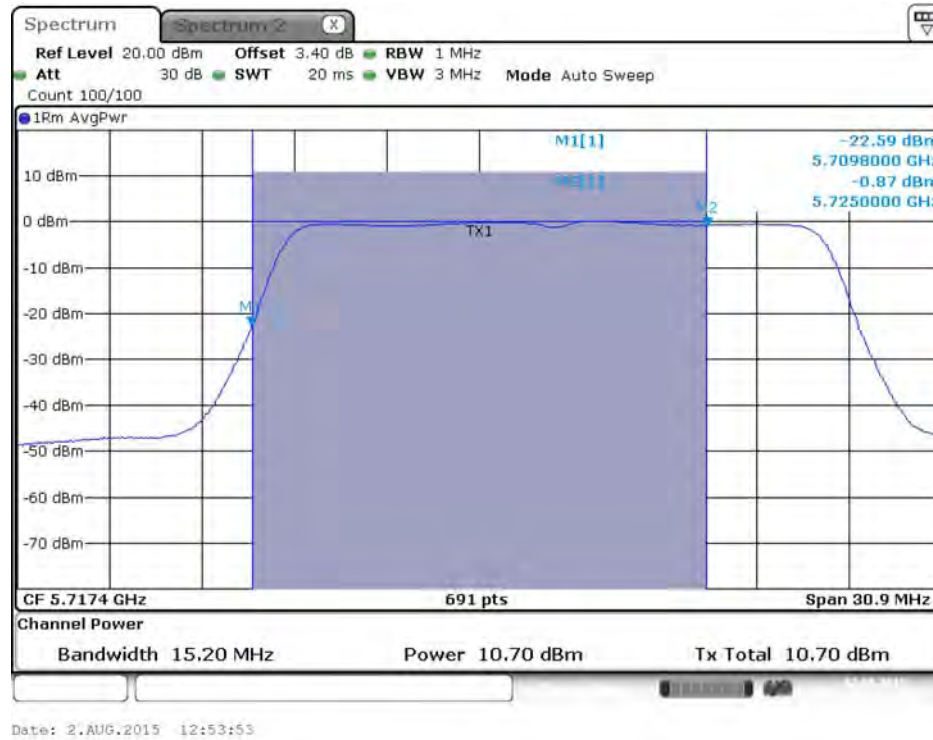
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



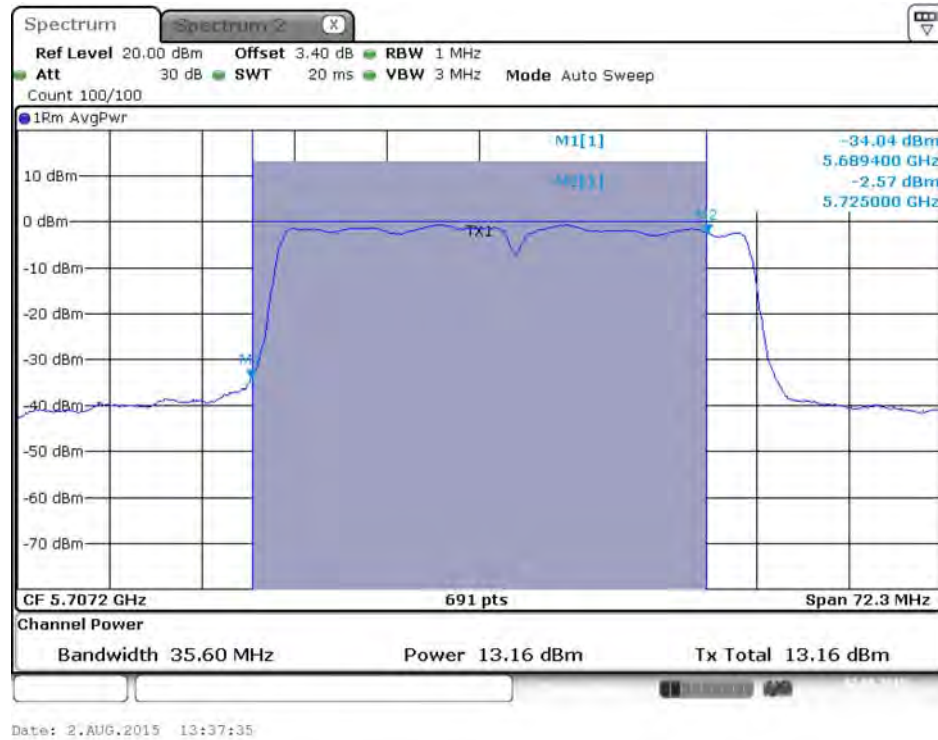
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



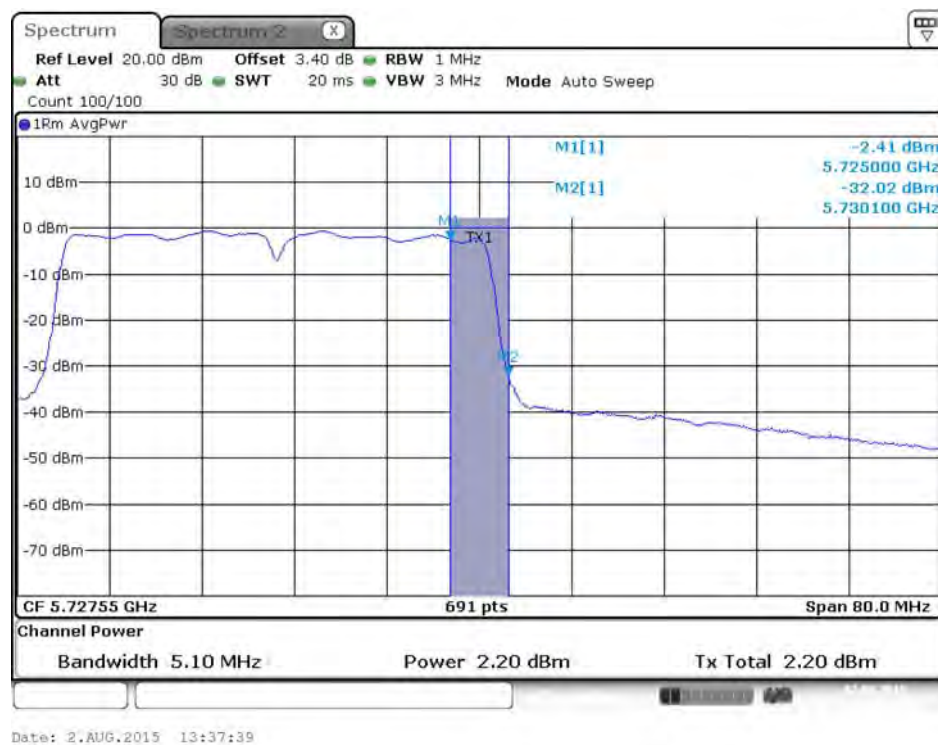
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



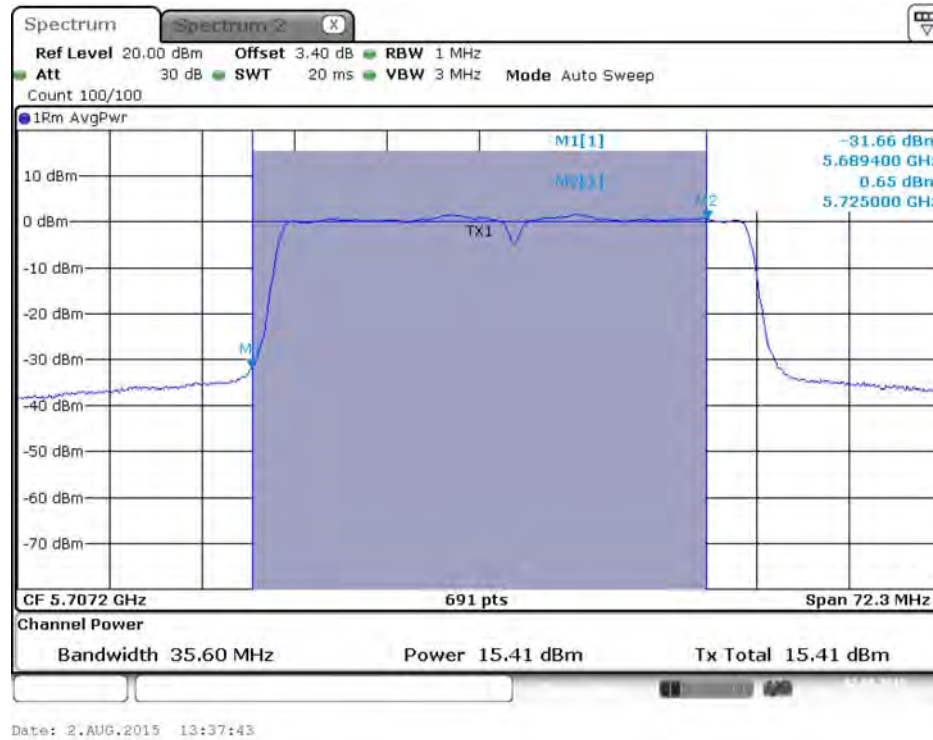
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



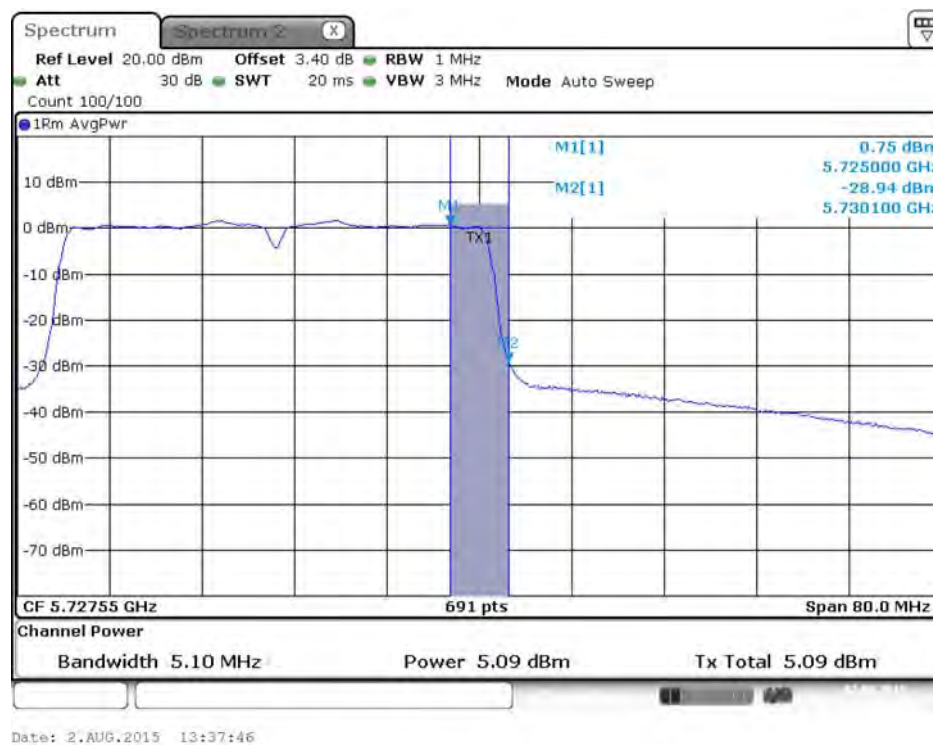
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



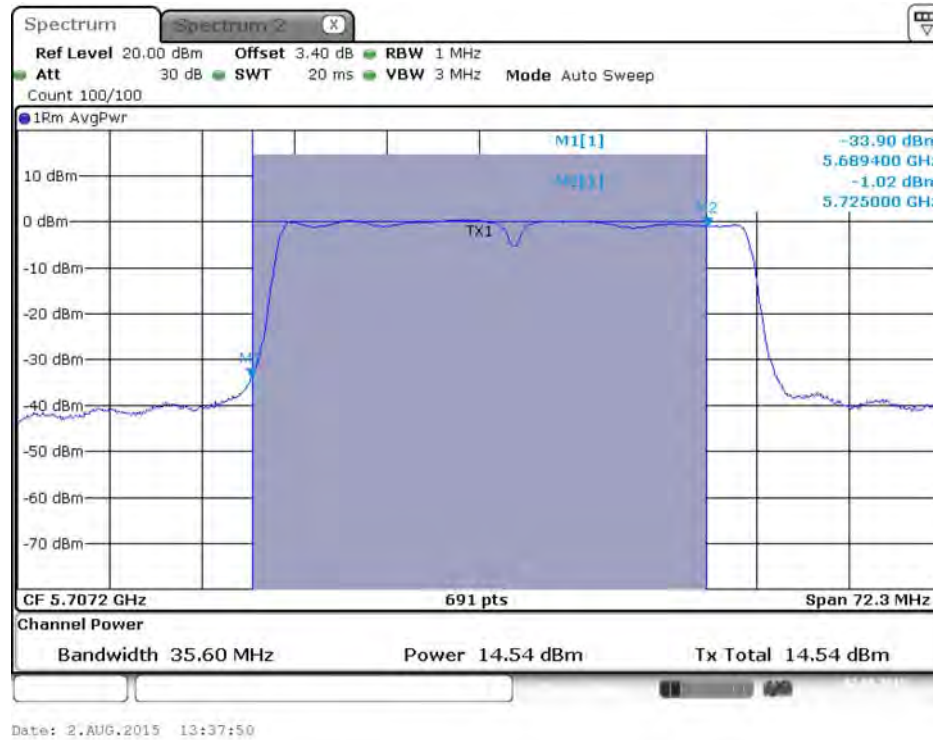
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



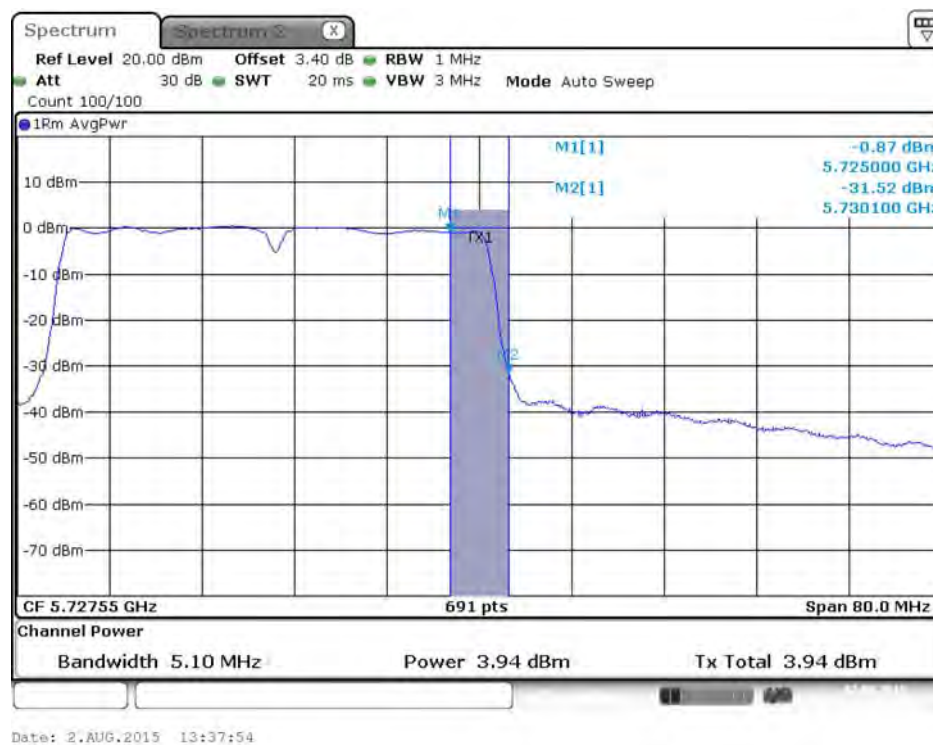
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



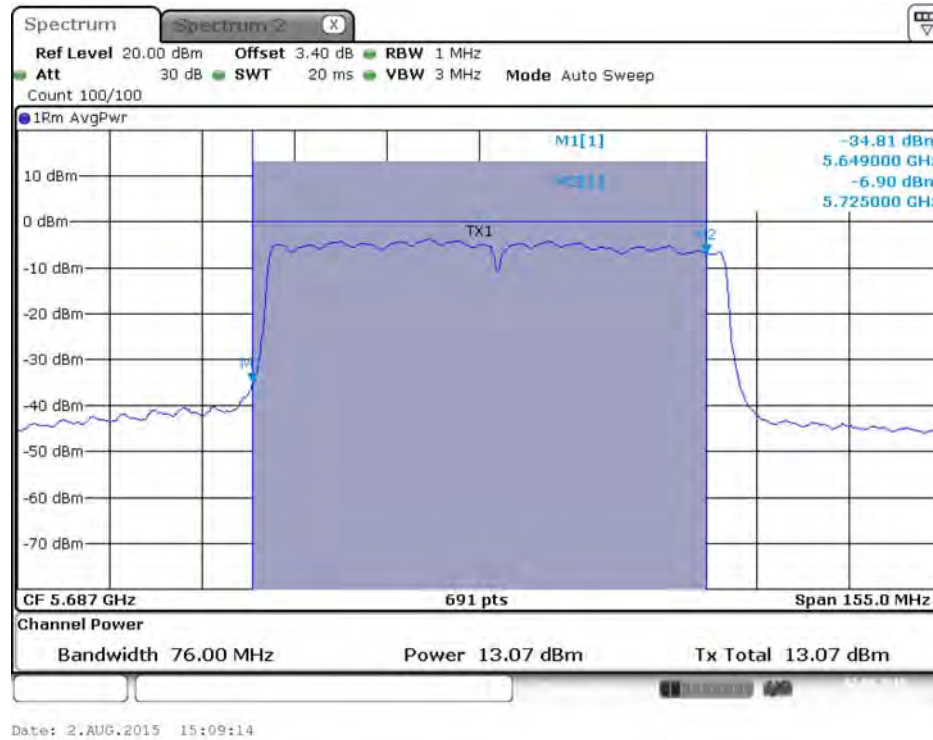
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



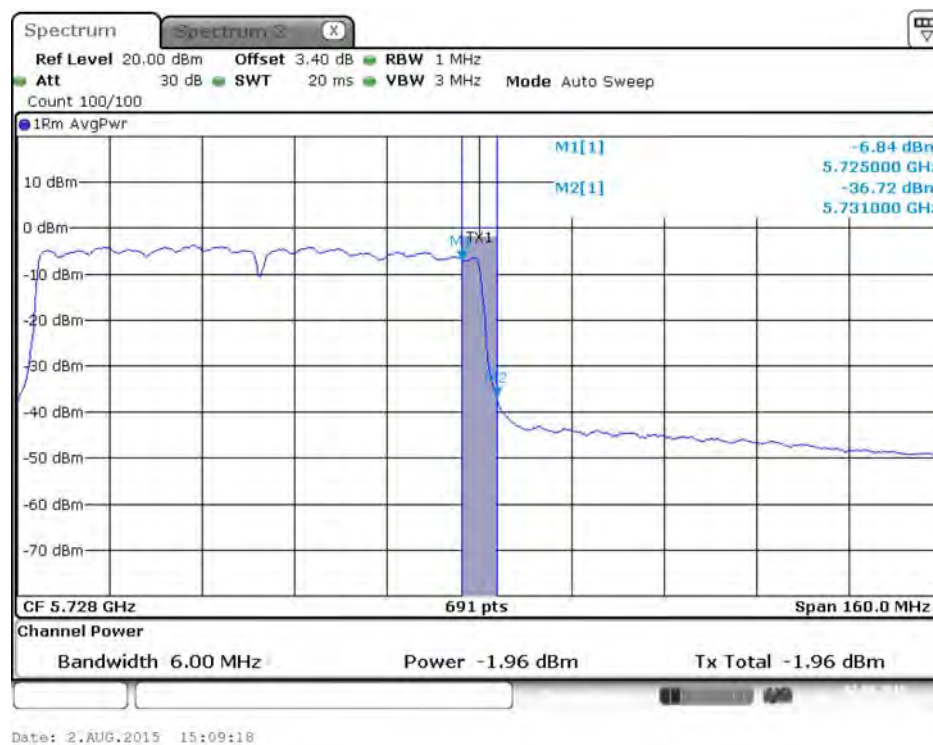
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)



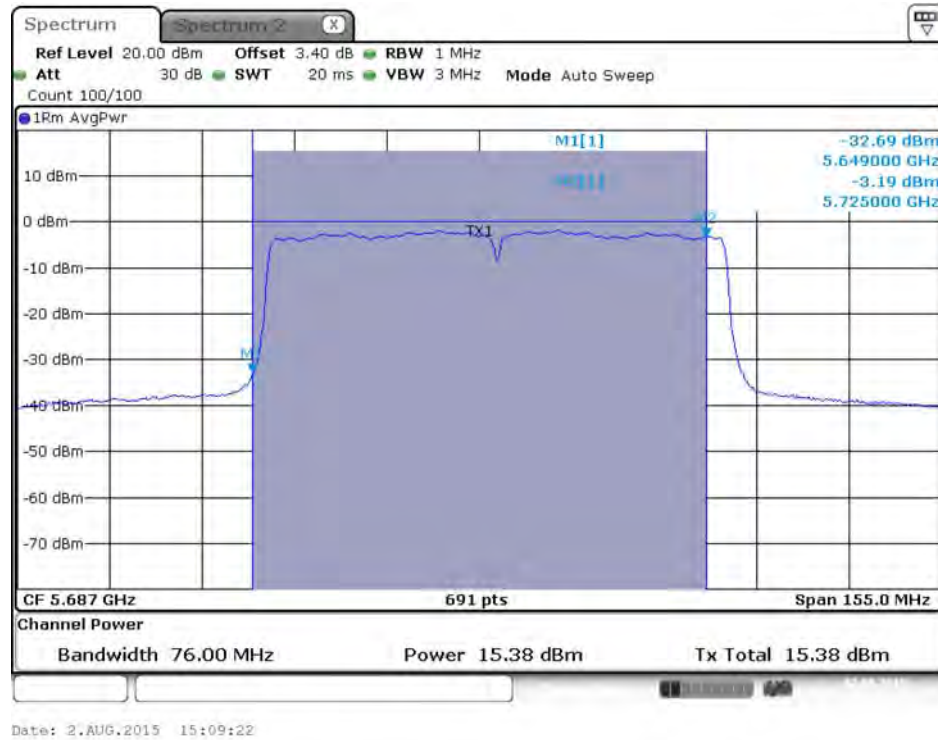
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



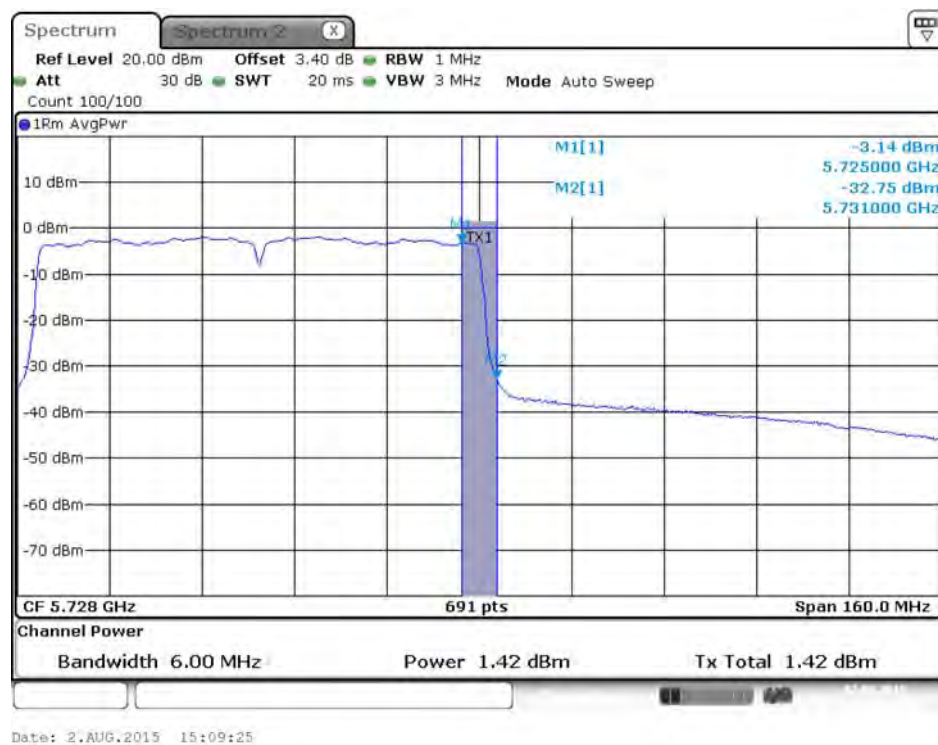
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



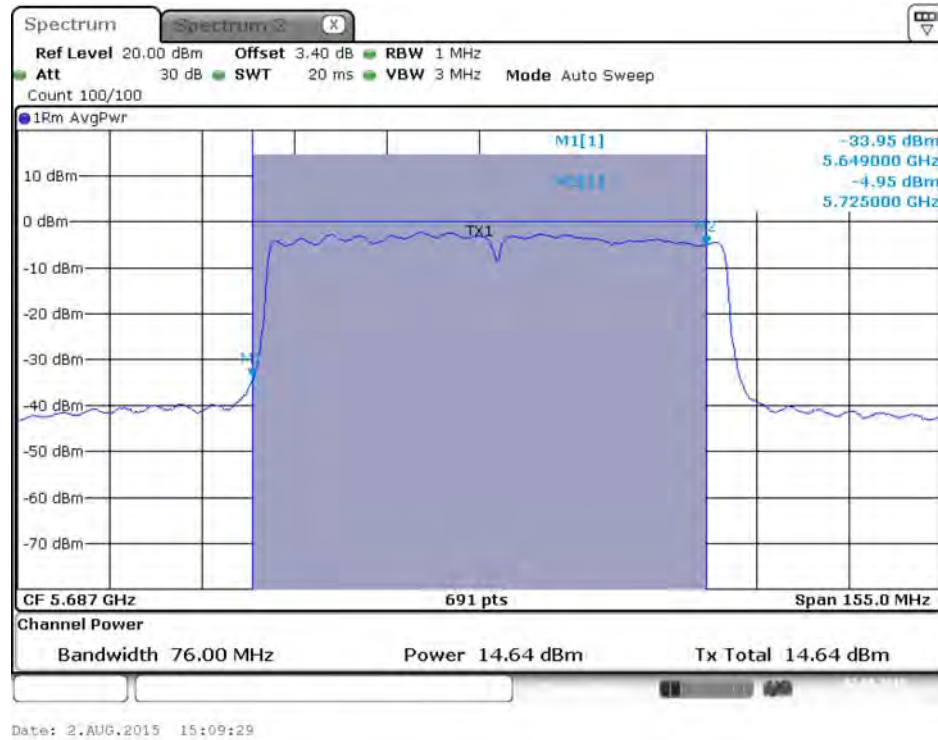
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)

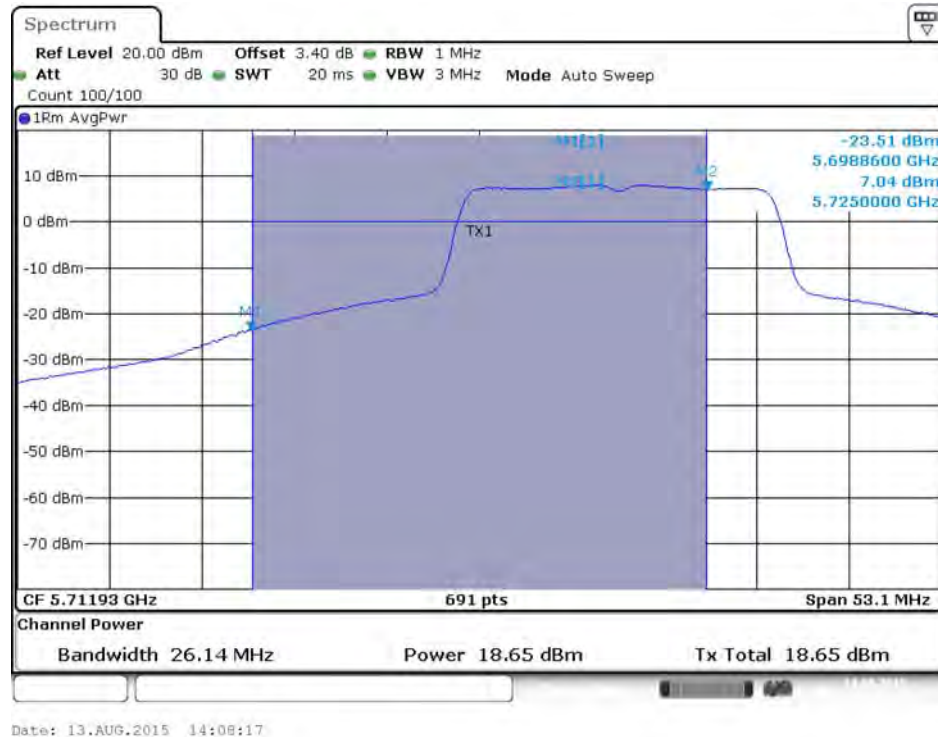


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)

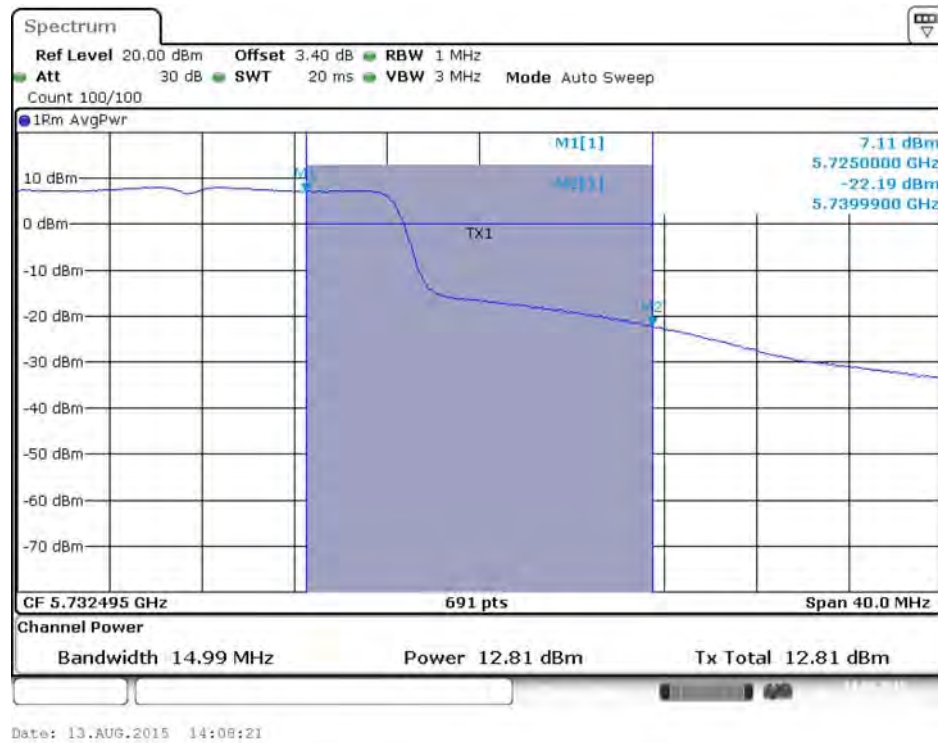


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)

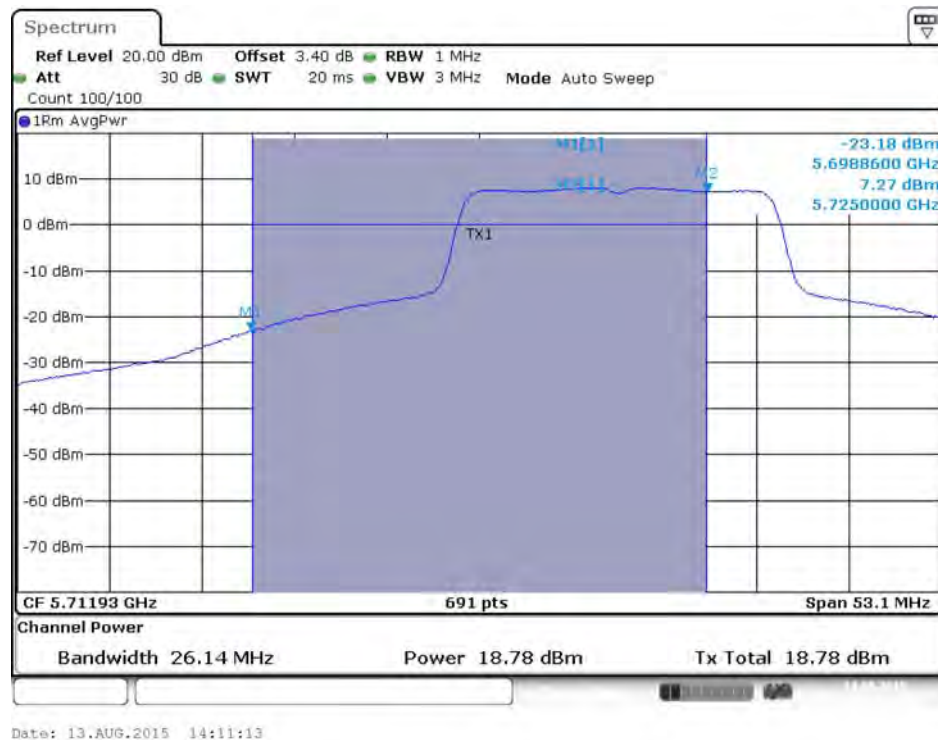
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



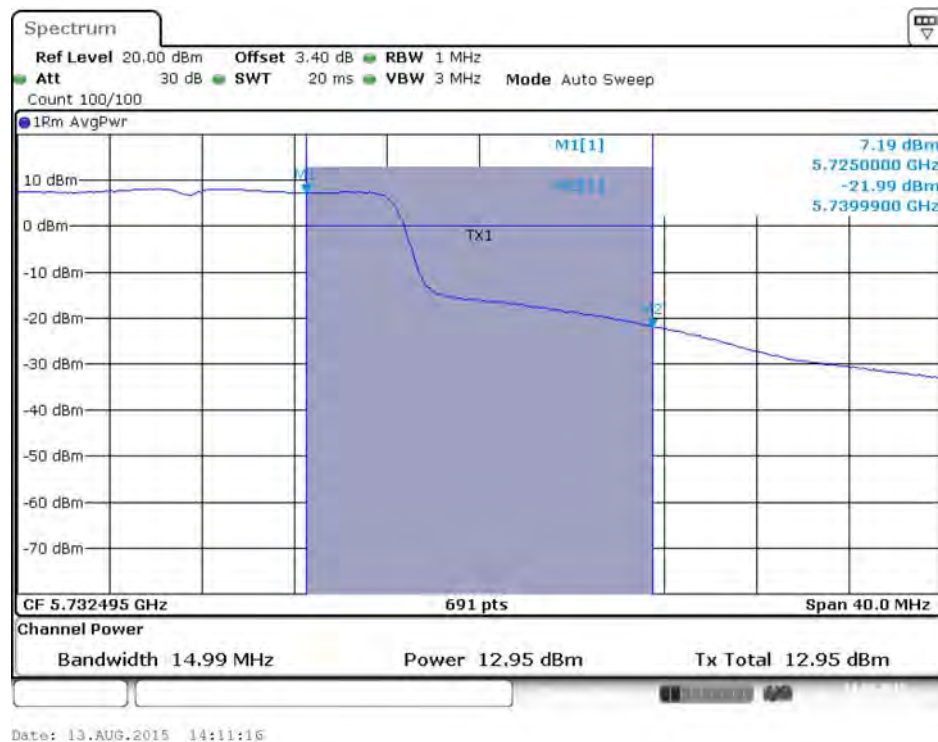
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



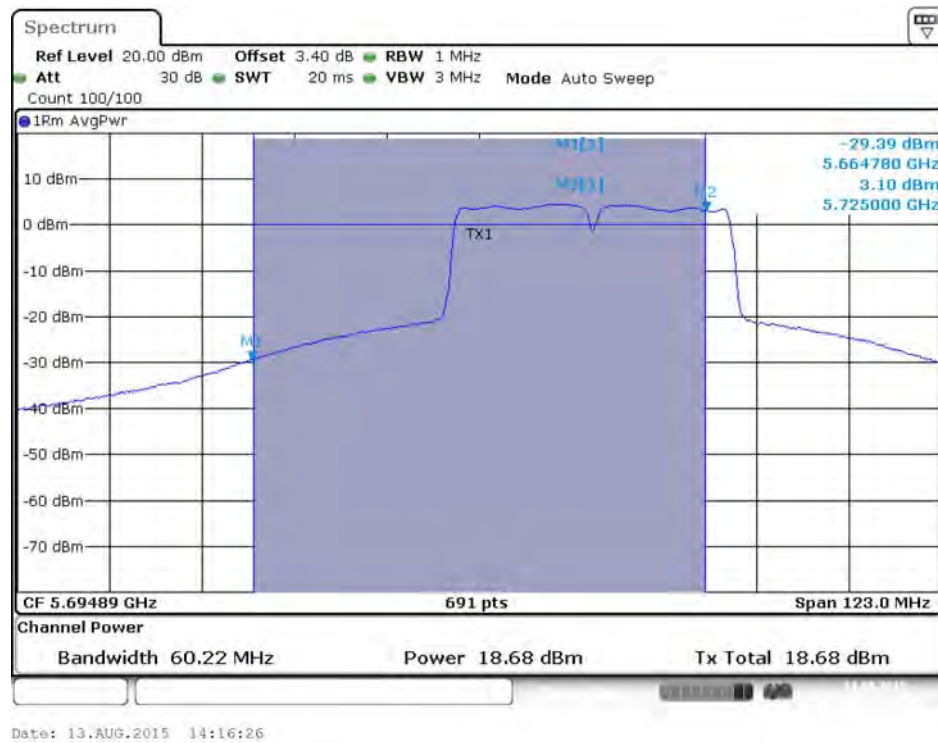
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



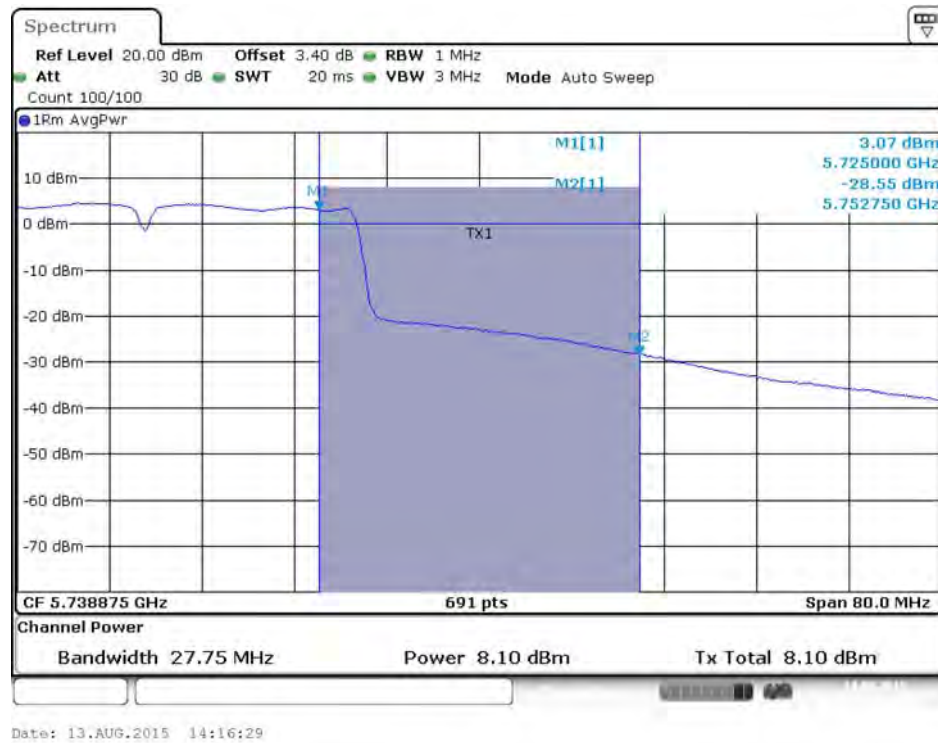
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)



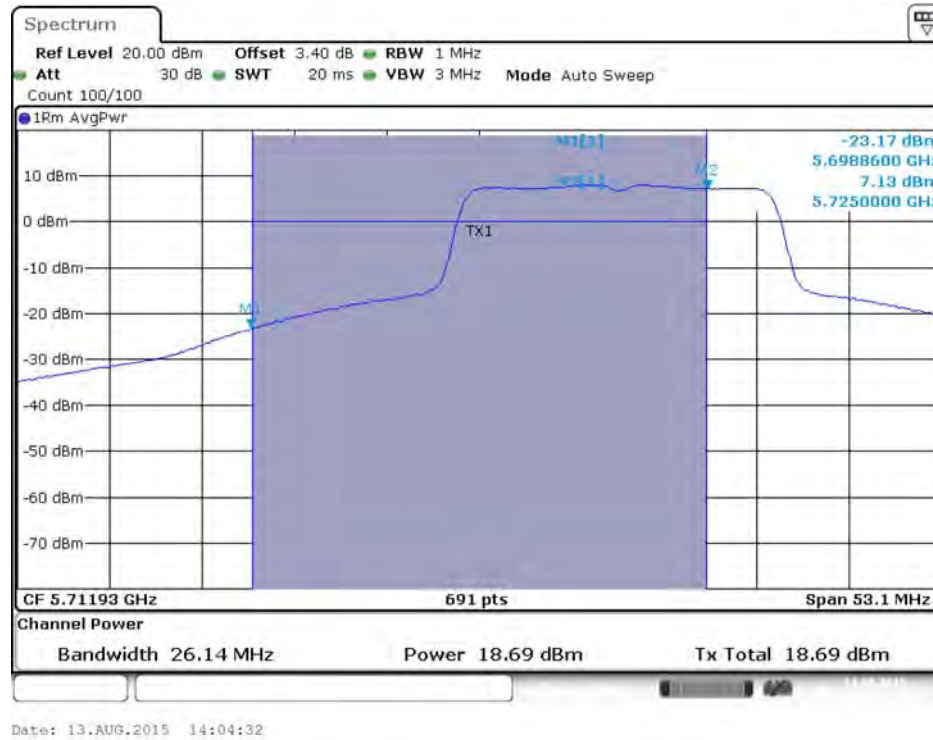
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



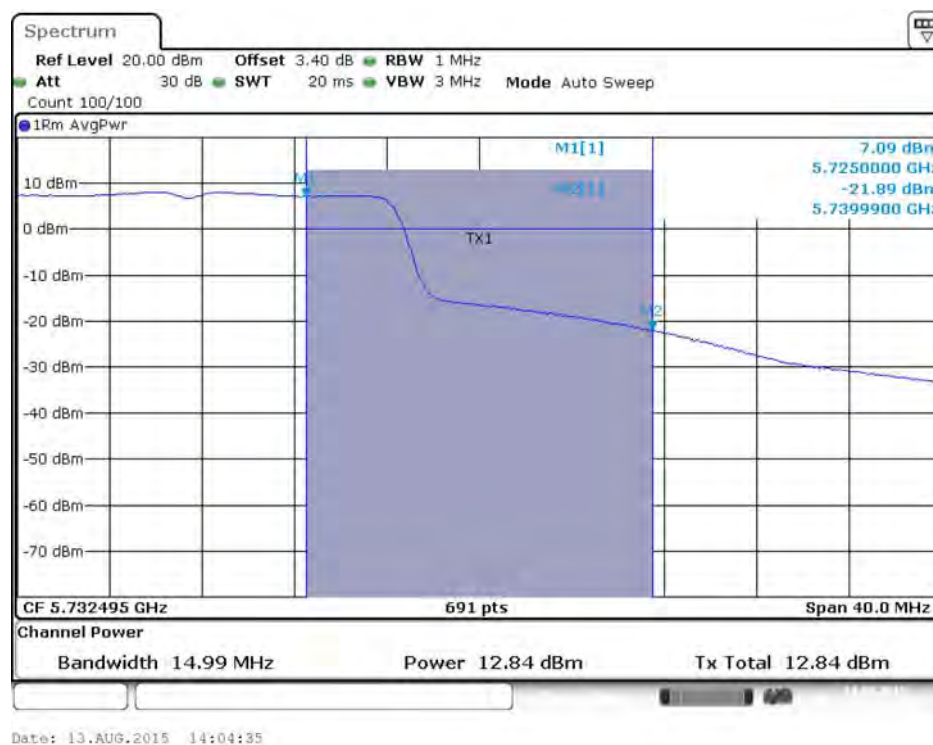
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)





Spectrum

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

iRm AvgPwr

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

CF 5.69489 GHz 691 pts Span 123.0 MHz

Channel Power
Bandwidth 60.22 MHz Power 18.69 dBm Tx Total 18.69 dBm

M1
TX1
M2
H2

-29.35 dBm
5.664780 GHz
3.25 dBm
5.725000 GHz

Date: 13.AUG.2015 14:15:24

Spectrum

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

1Rm AvgPwr

3.20 dBm
5.725000 GHz
-28.58 dBm
5.752750 GHz

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

TX1

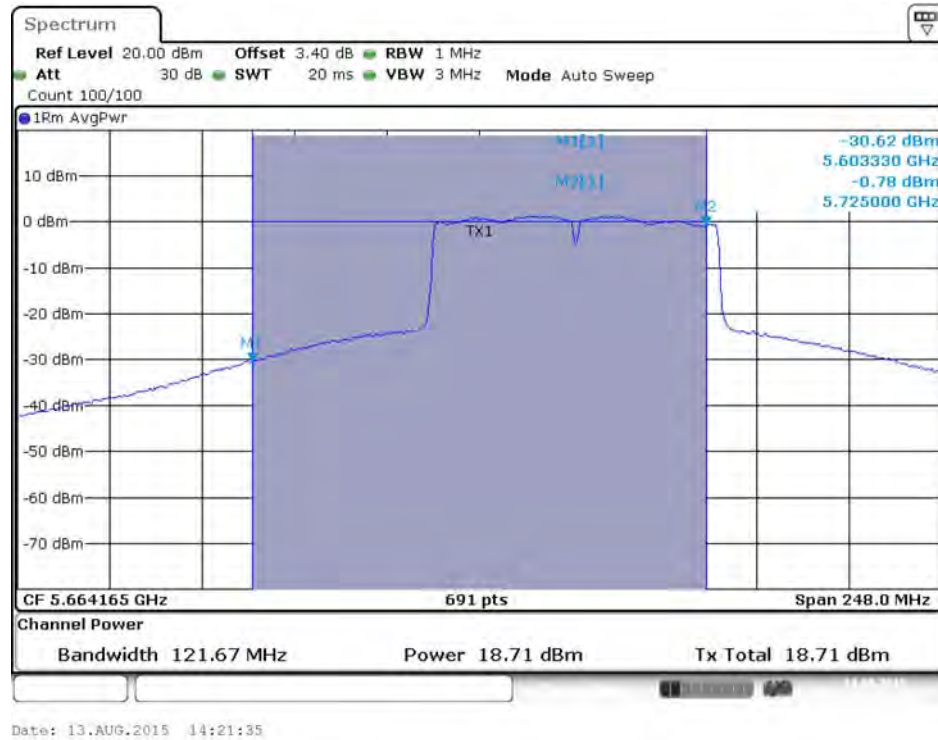
CF 5.738875 GHz 691 pts Span 80.0 MHz

Channel Power

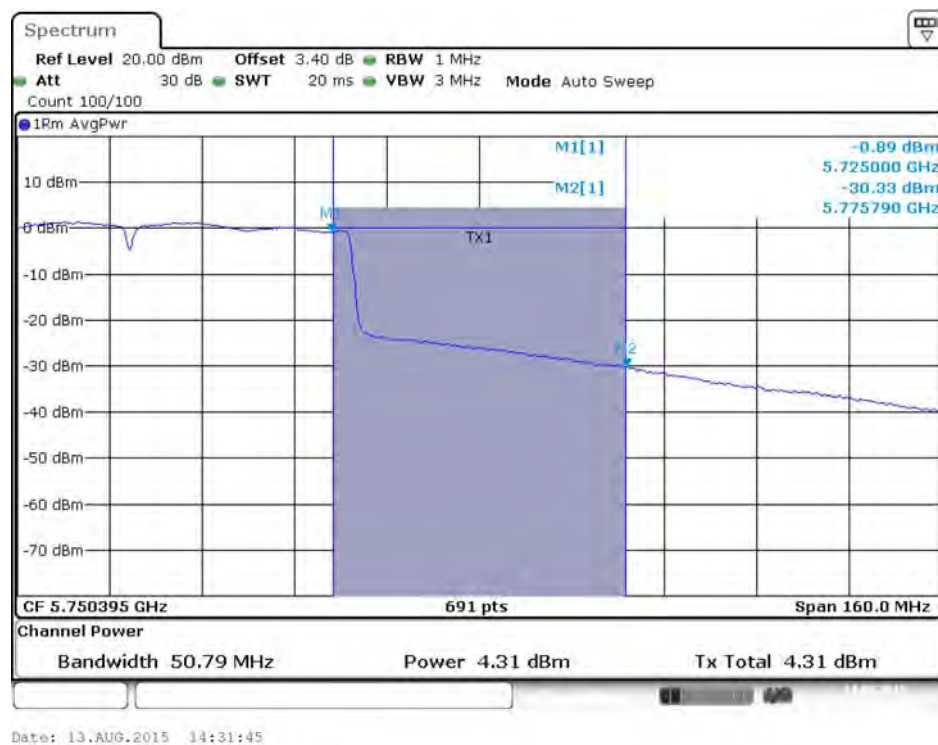
Bandwidth 27.75 MHz Power 8.11 dBm Tx Total 8.11 dBm

Date: 13.AUG.2015 14:15:28

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)

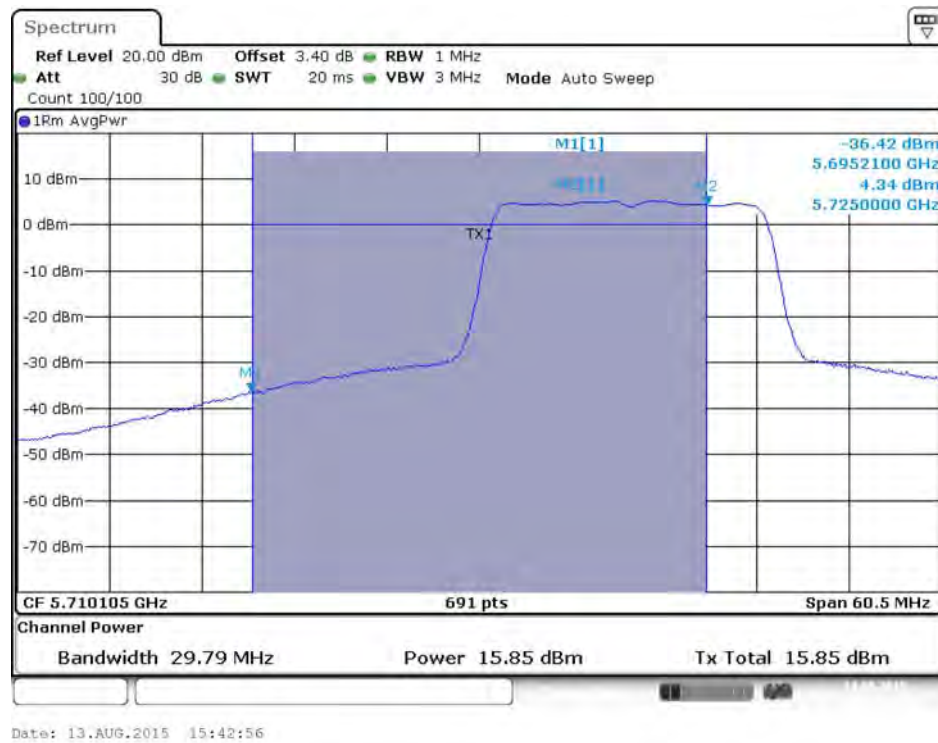


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

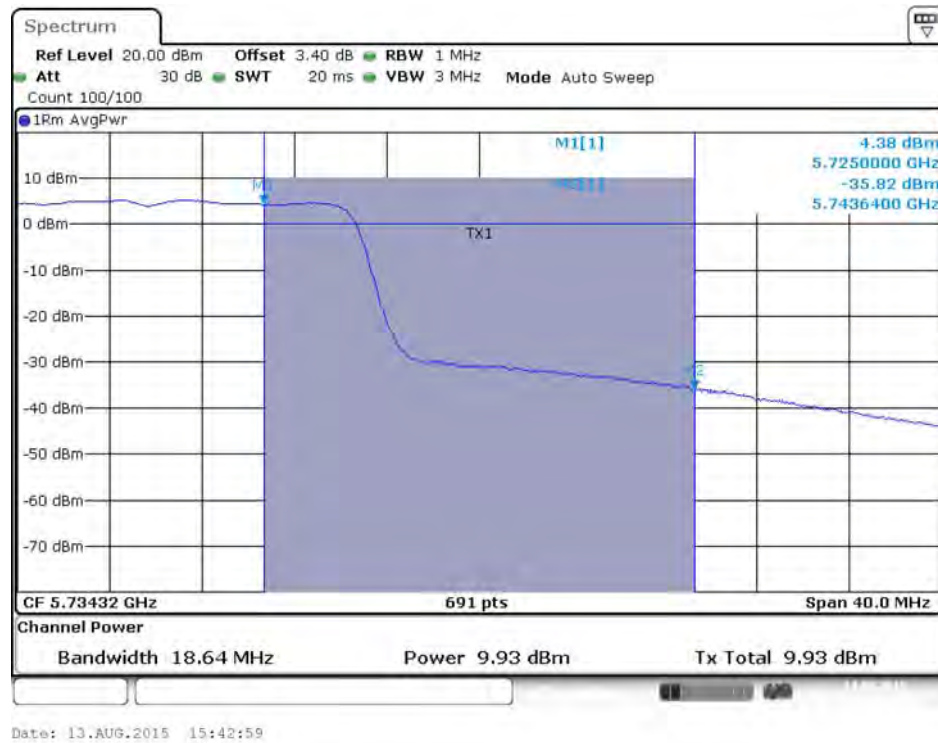


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

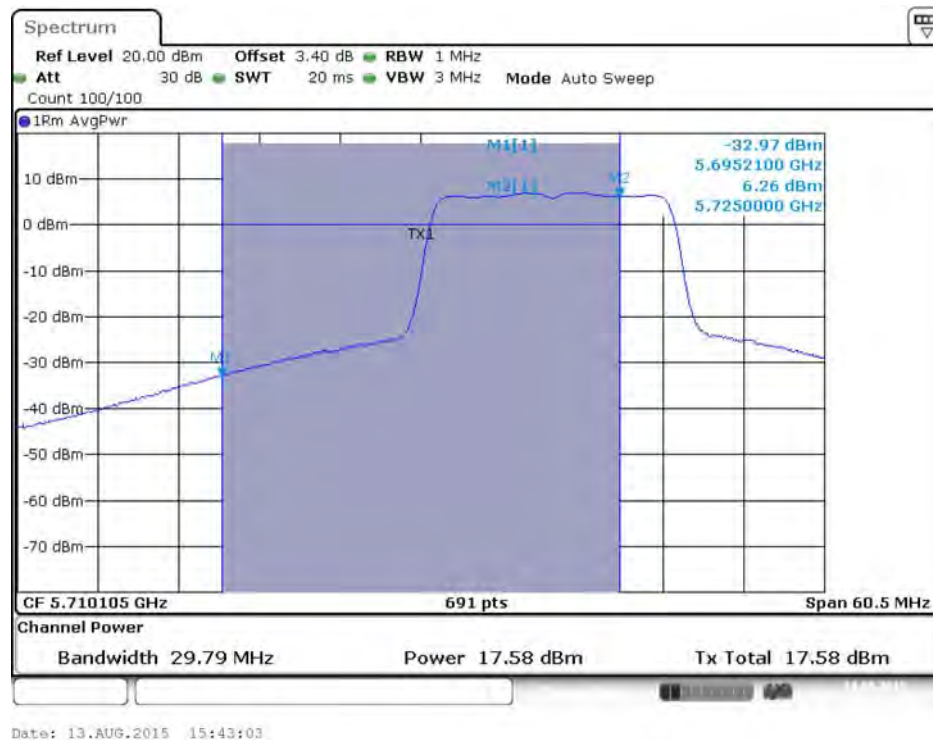
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



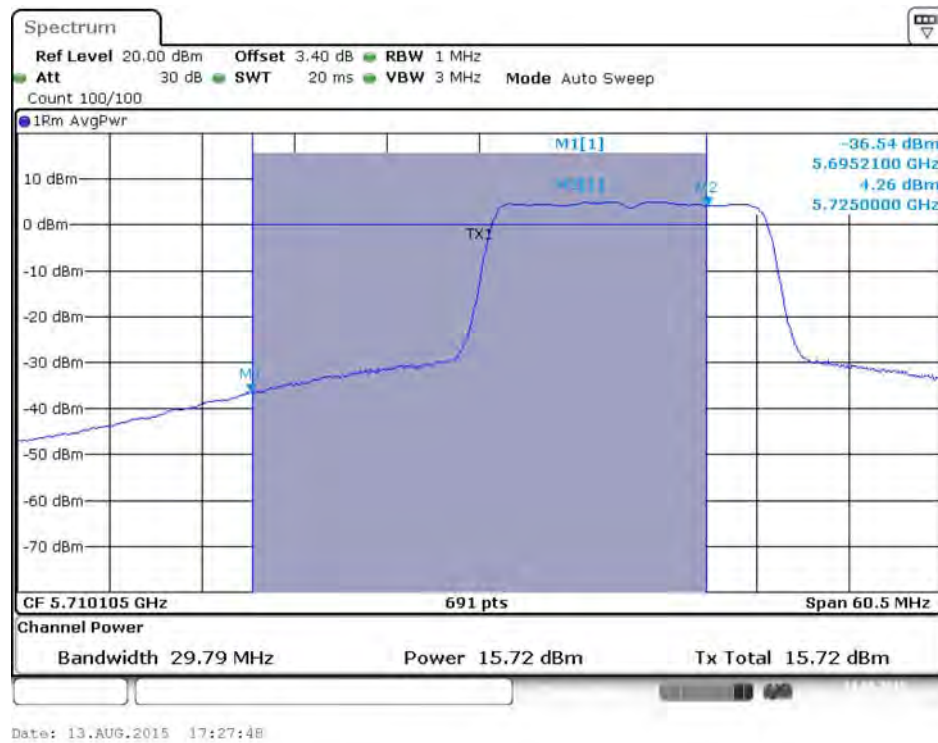
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



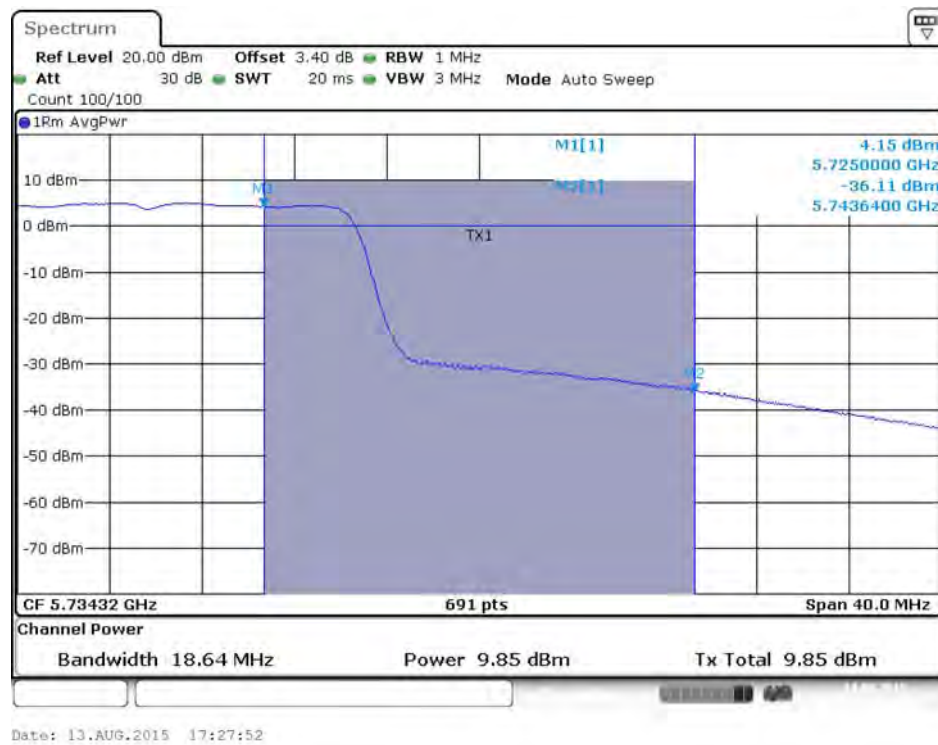
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



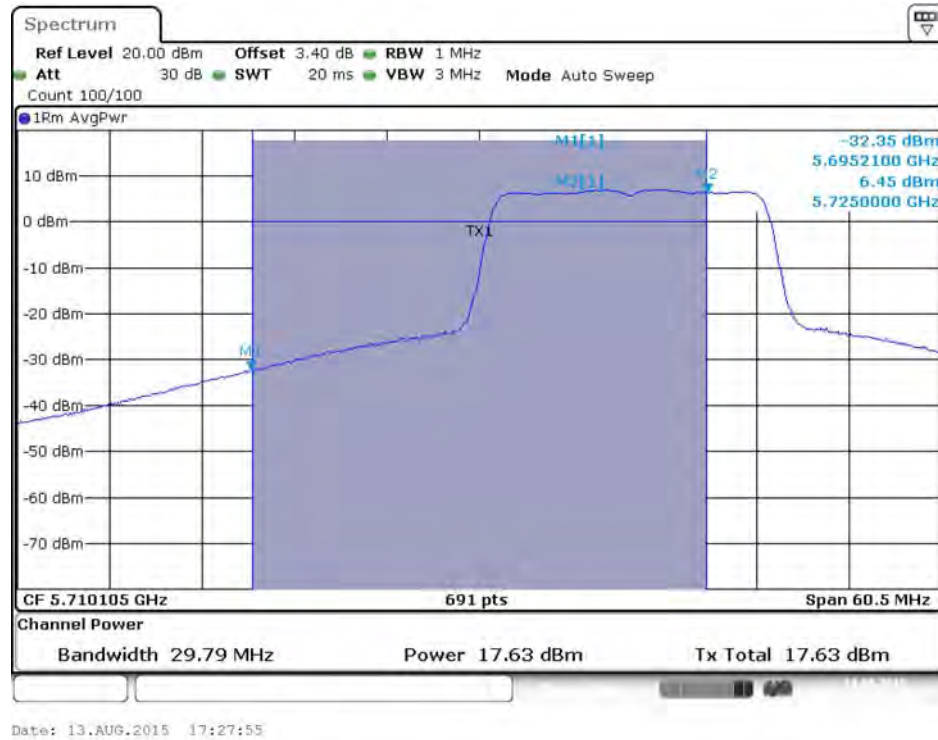
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



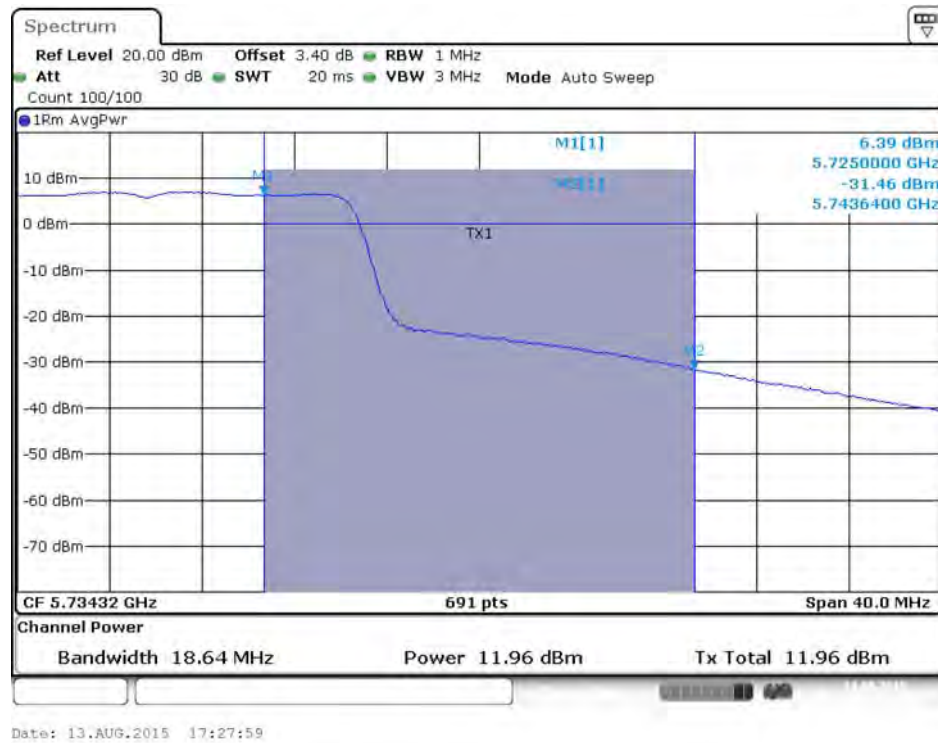
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)



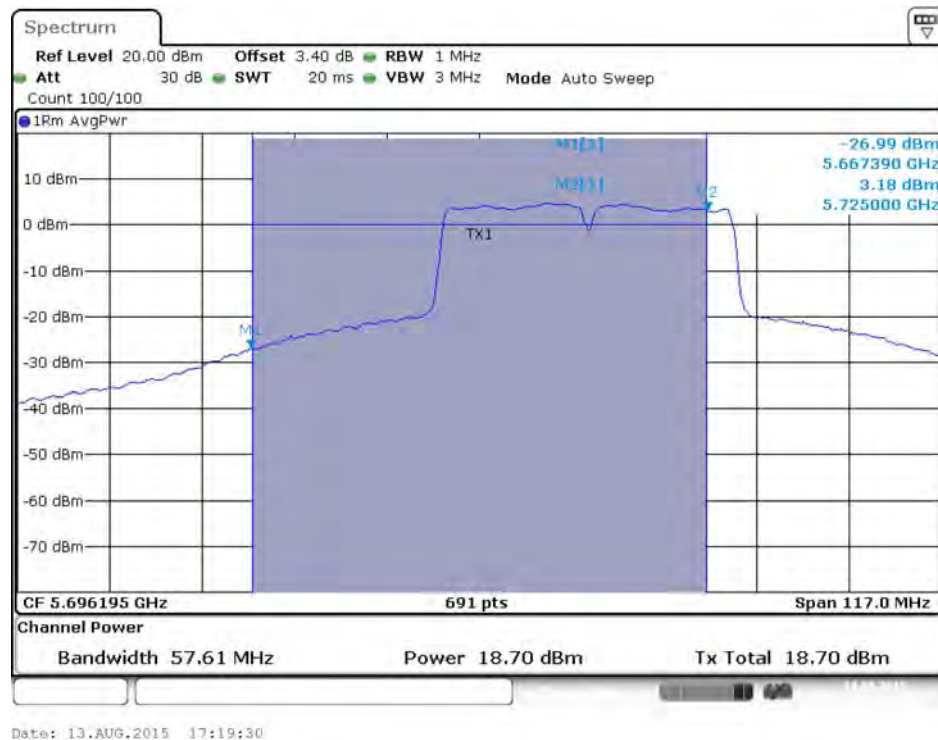
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



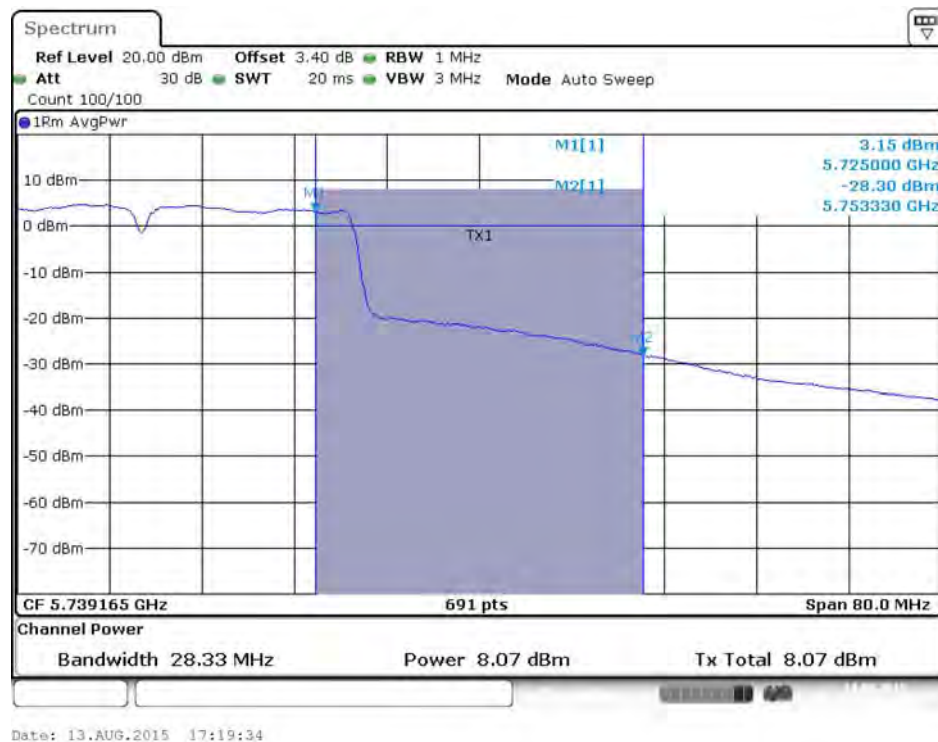
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



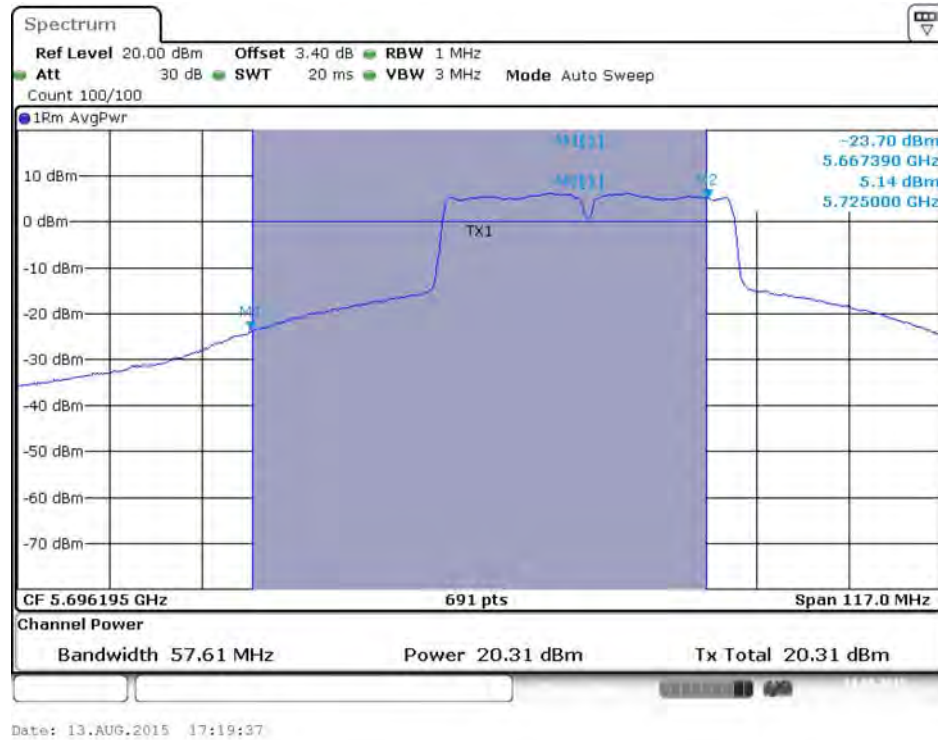
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



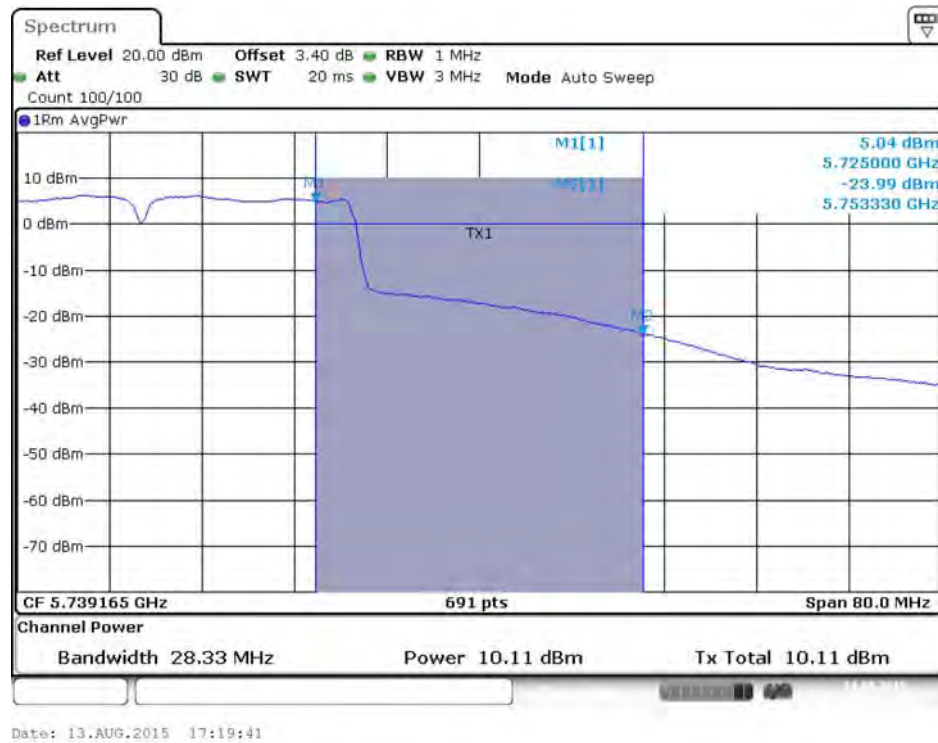
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)



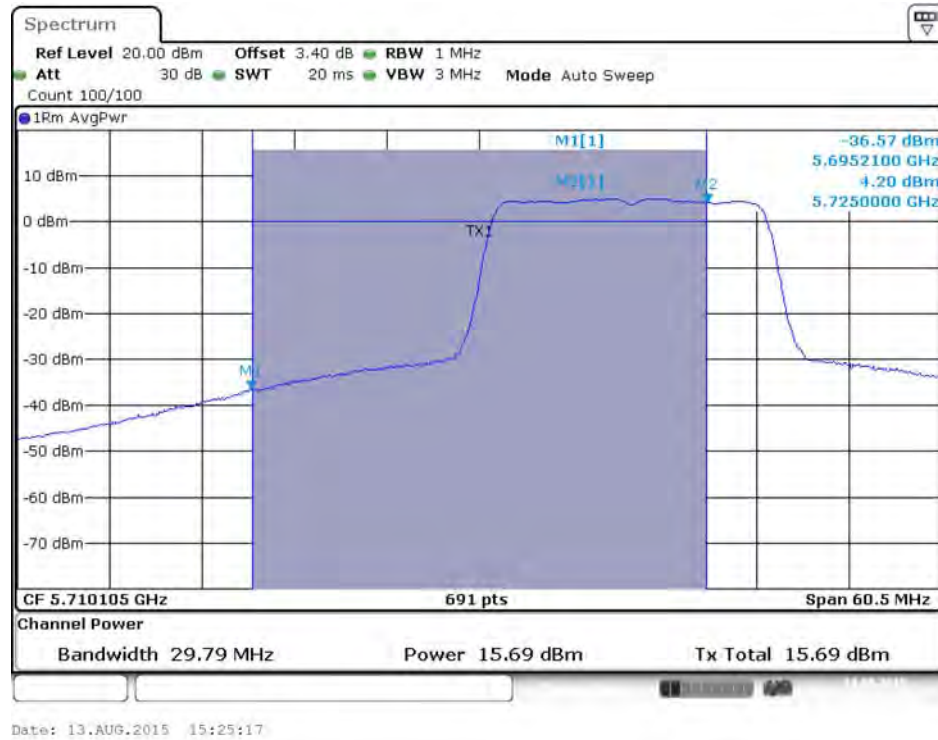
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



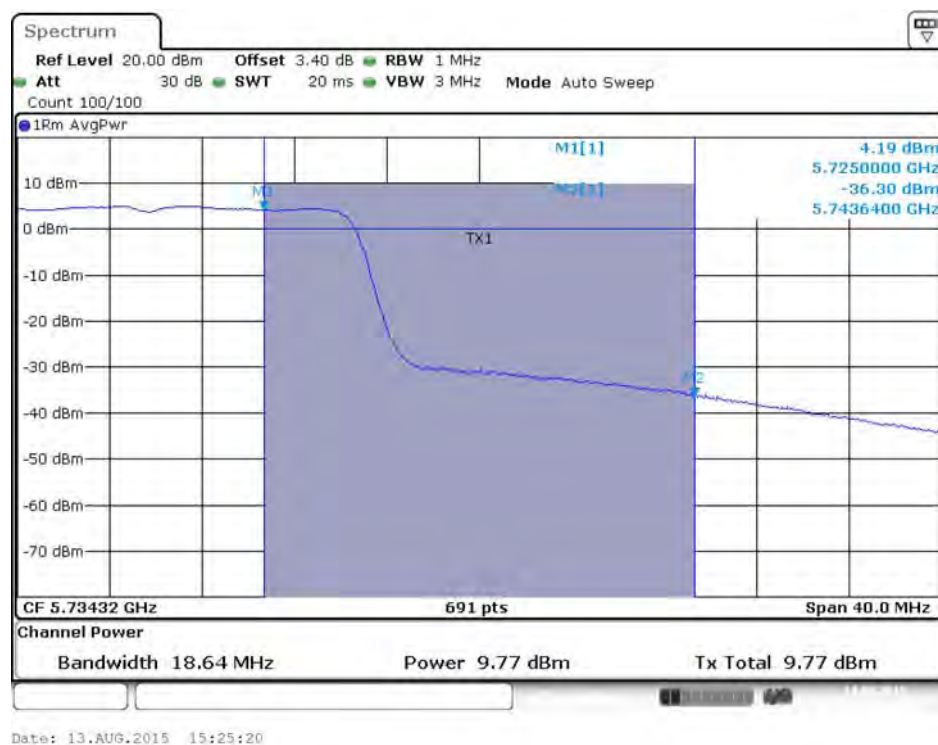
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



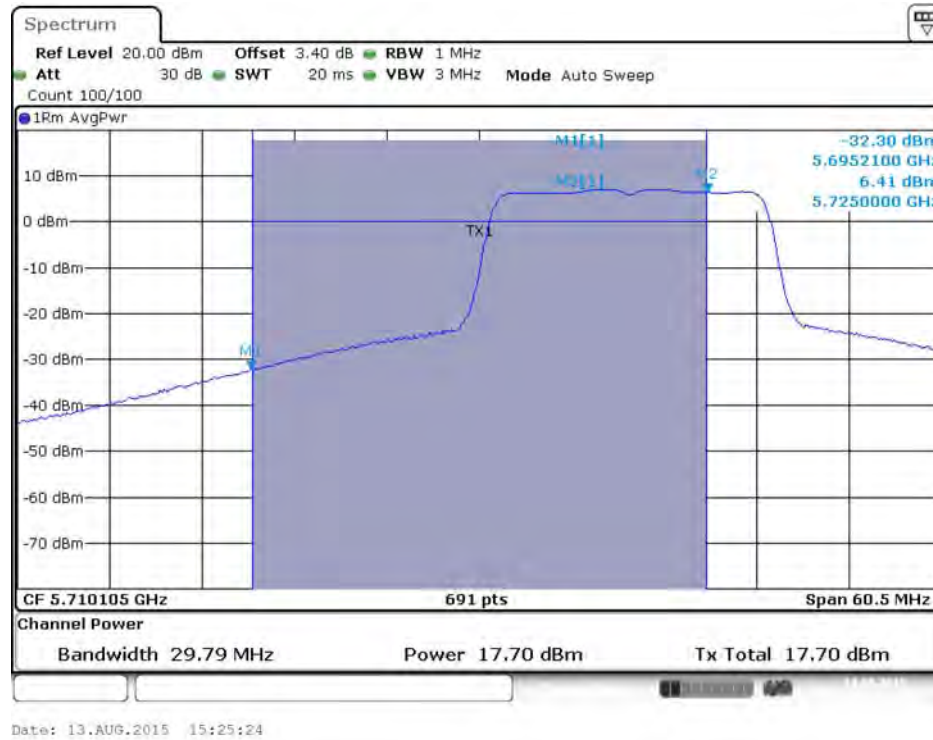
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



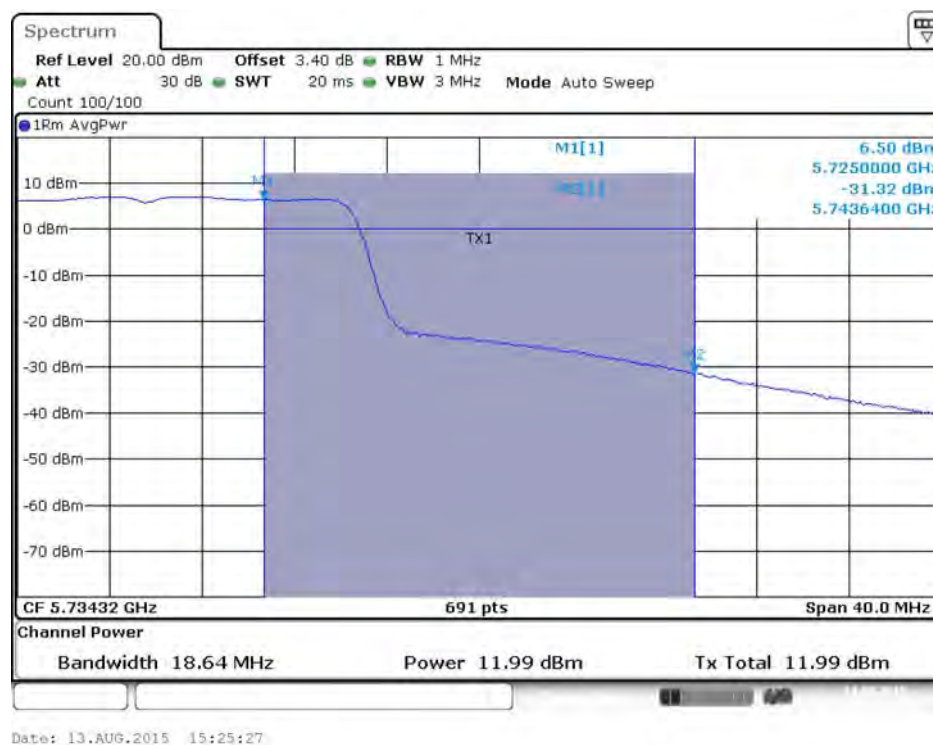
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



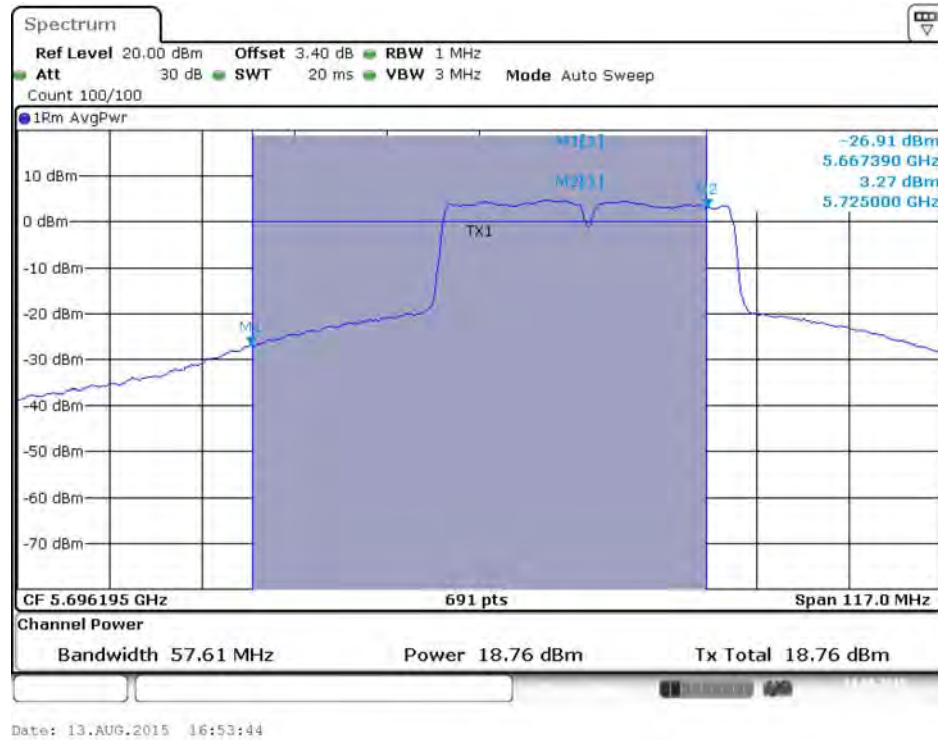
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



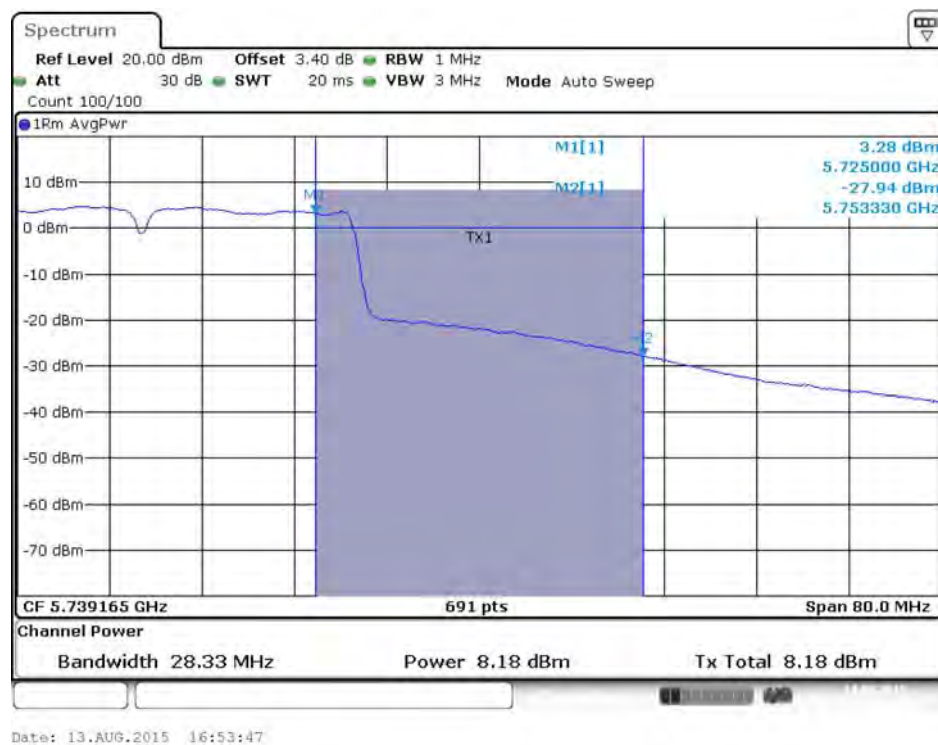
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



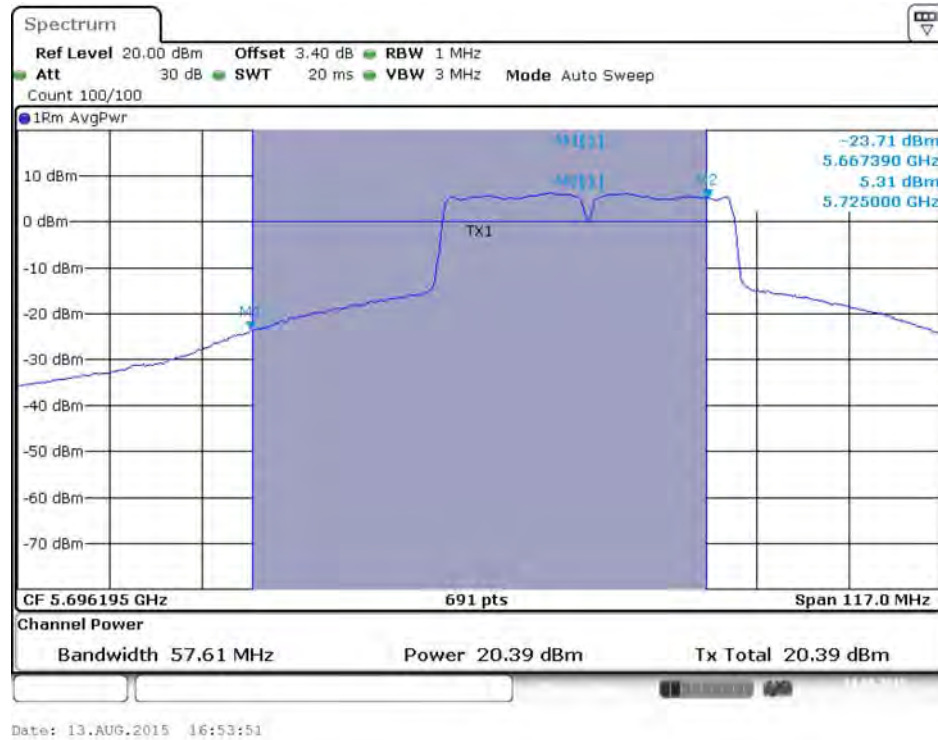
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



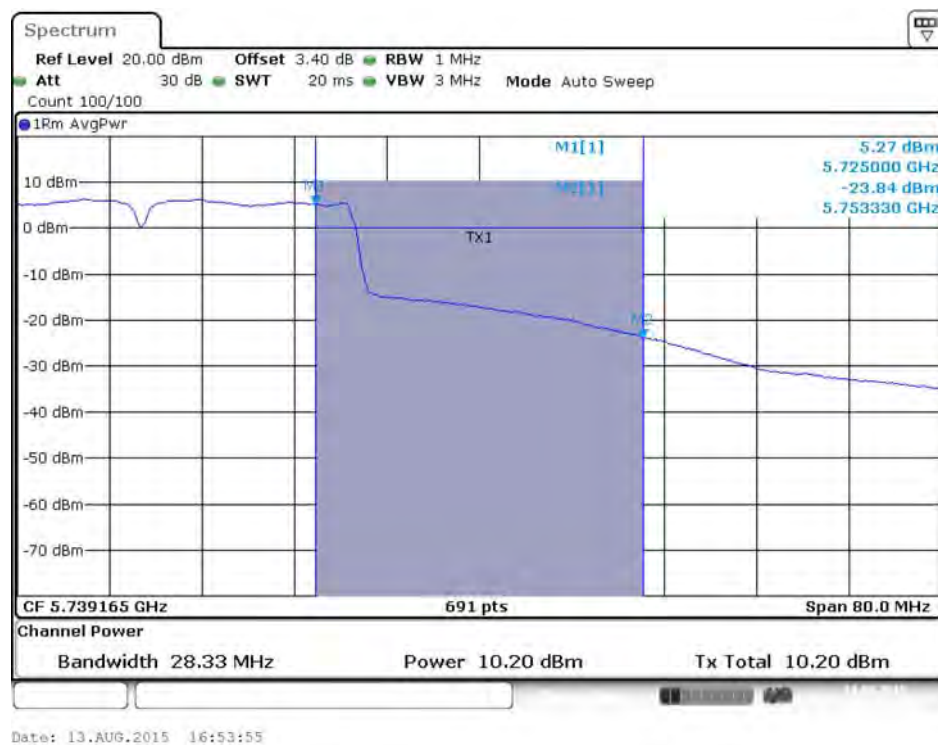
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



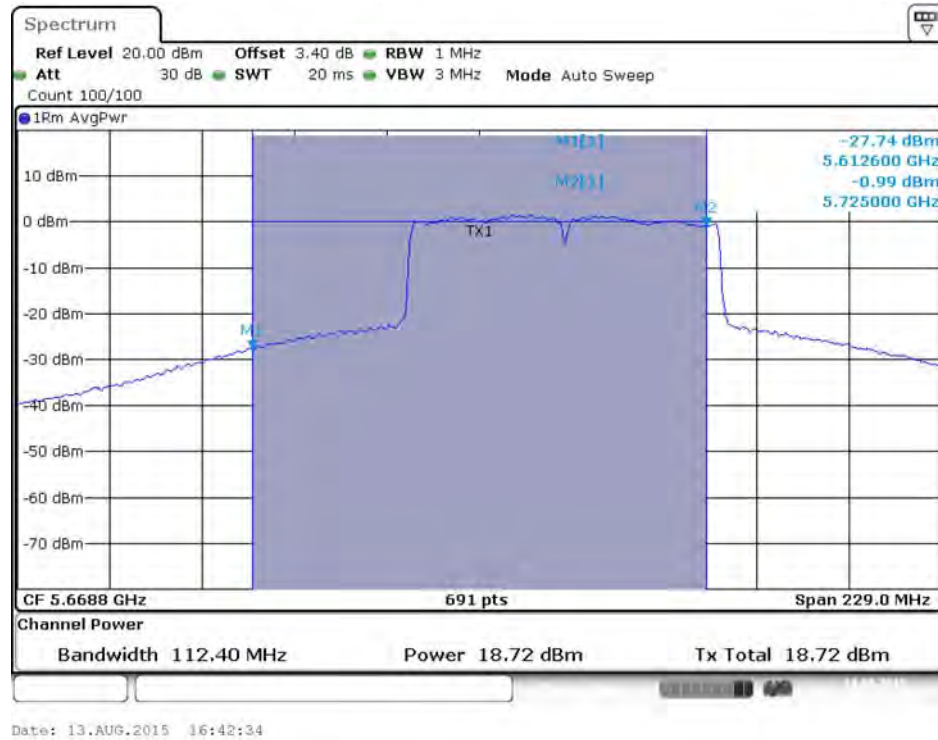
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



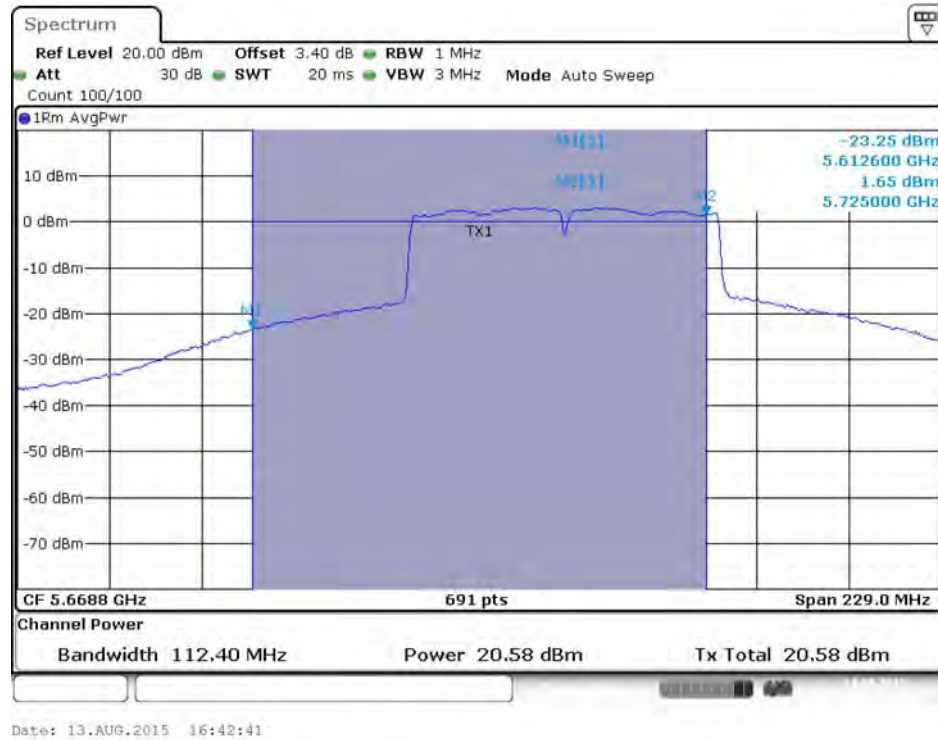
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)

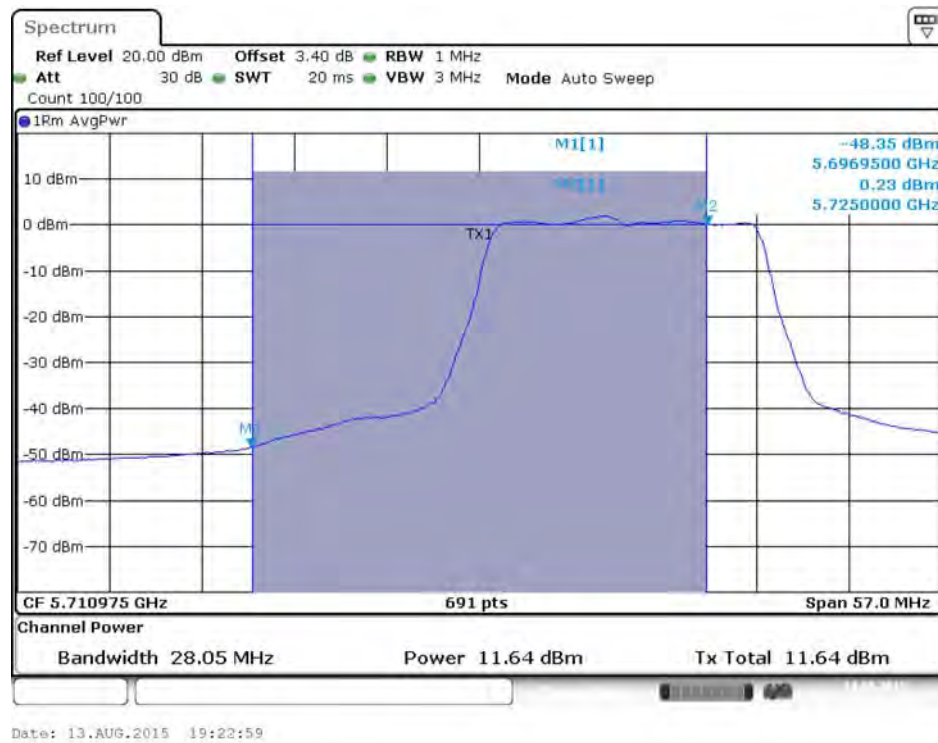


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

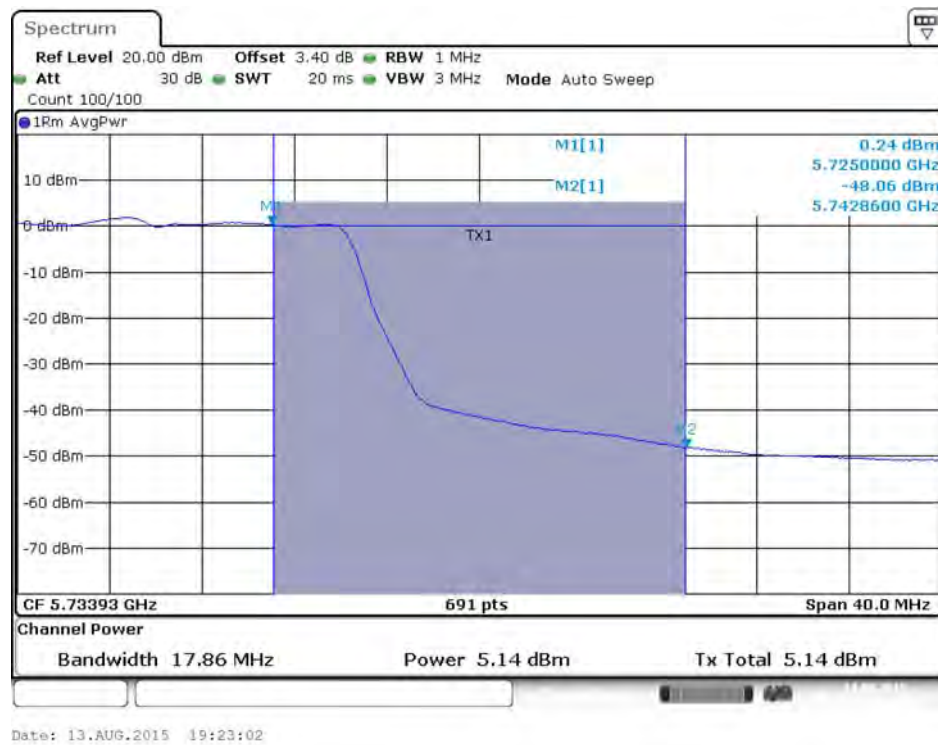


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

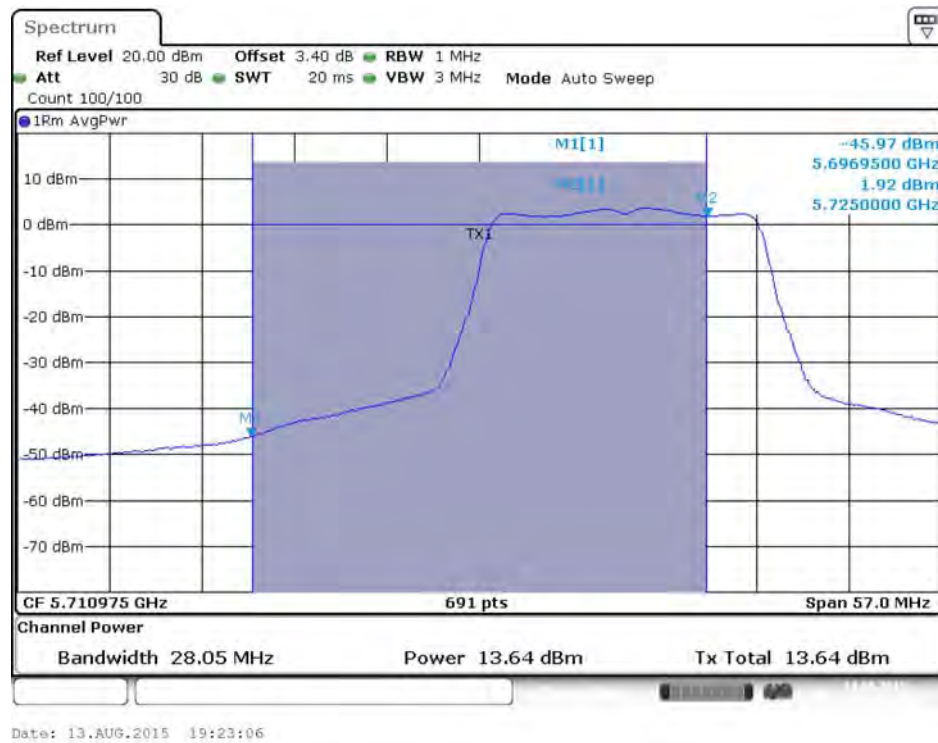
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



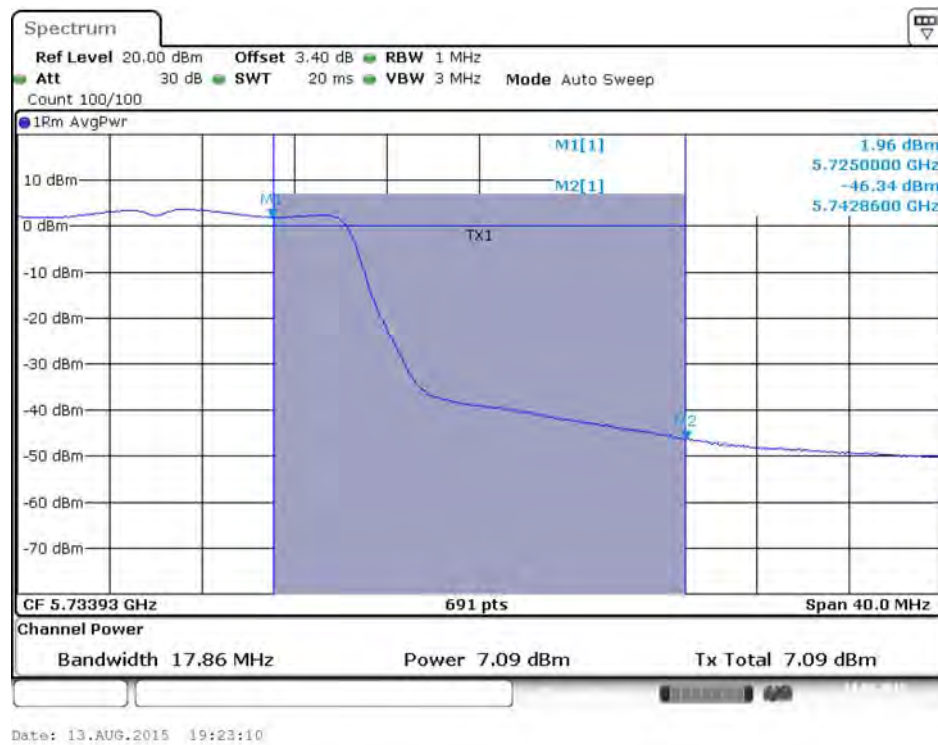
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



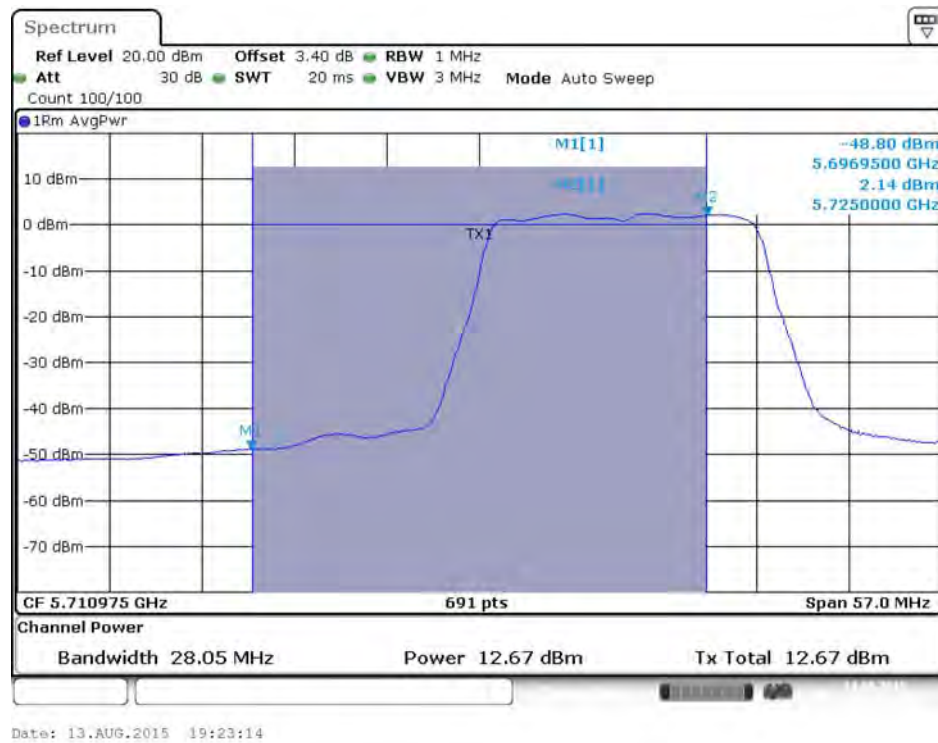
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



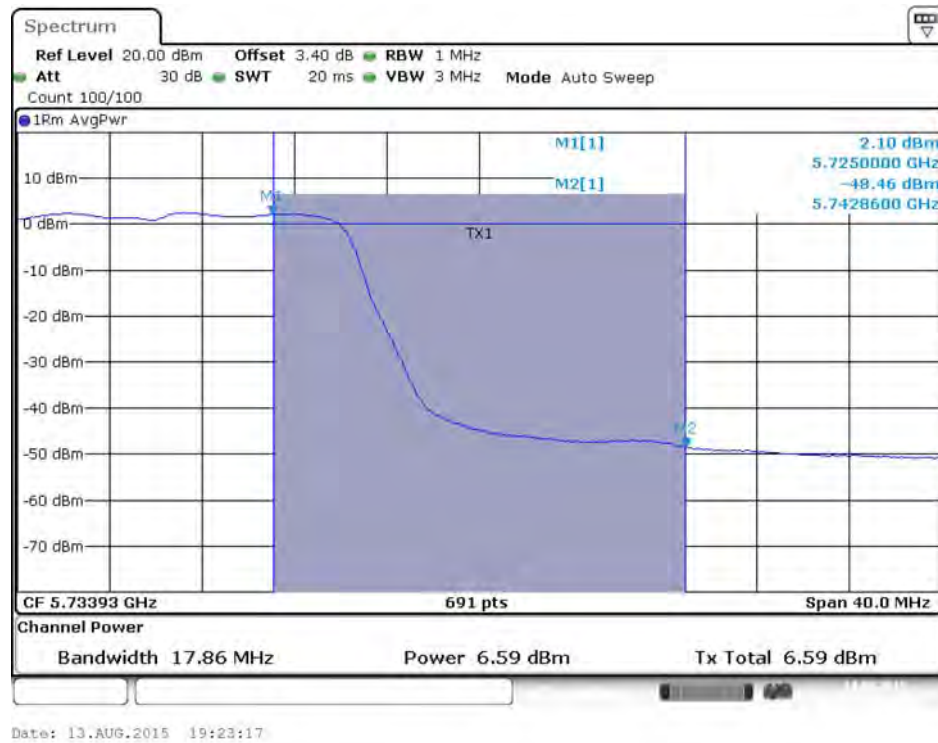
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



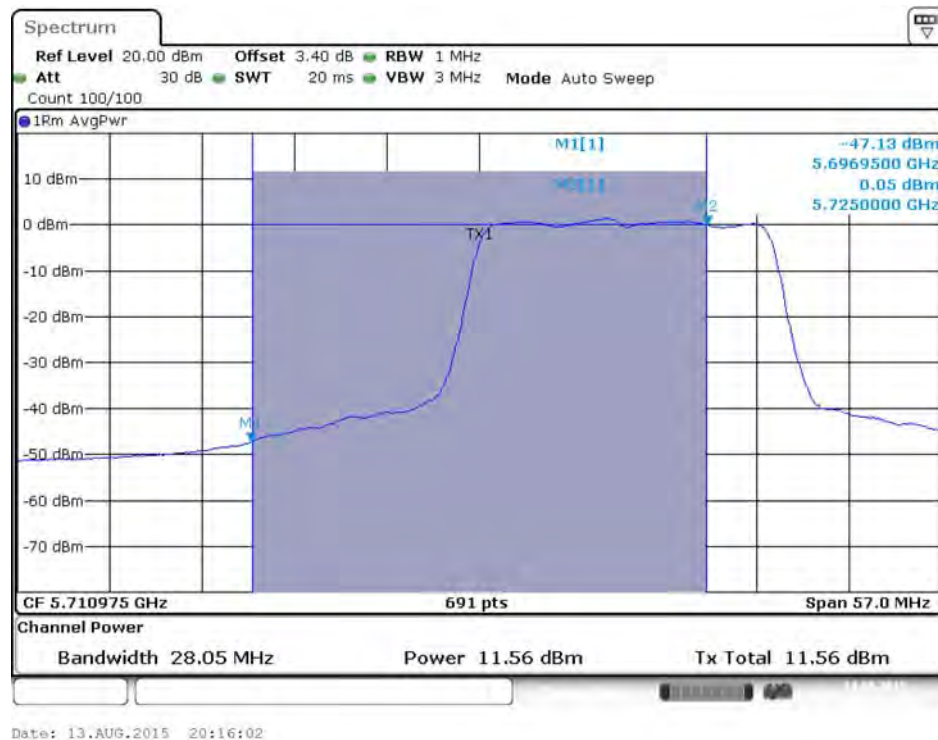
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 2C)



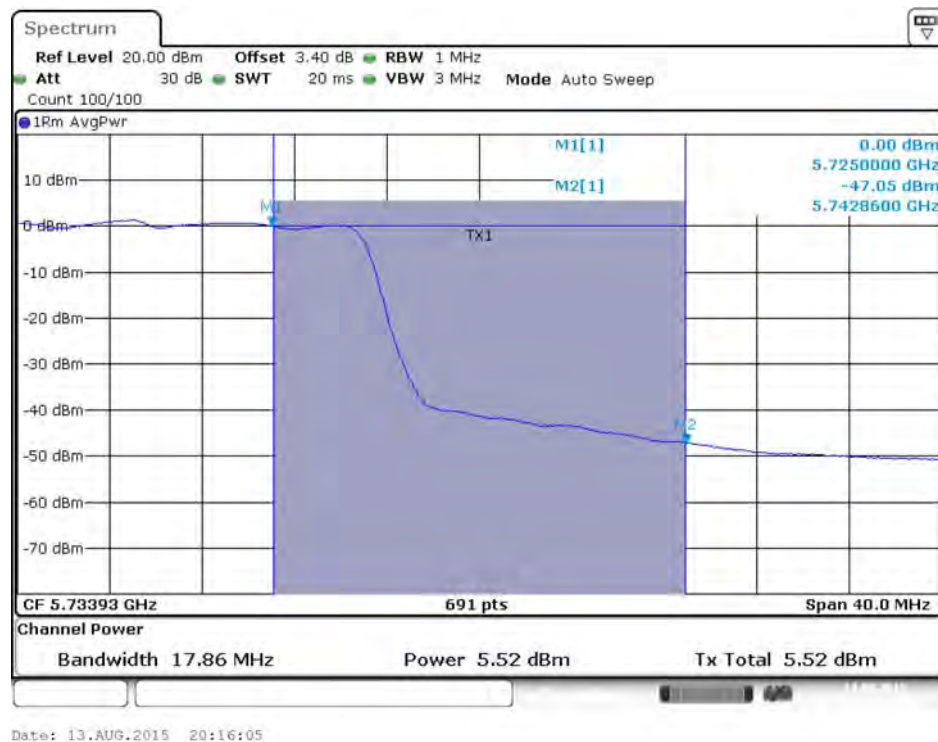
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 3)



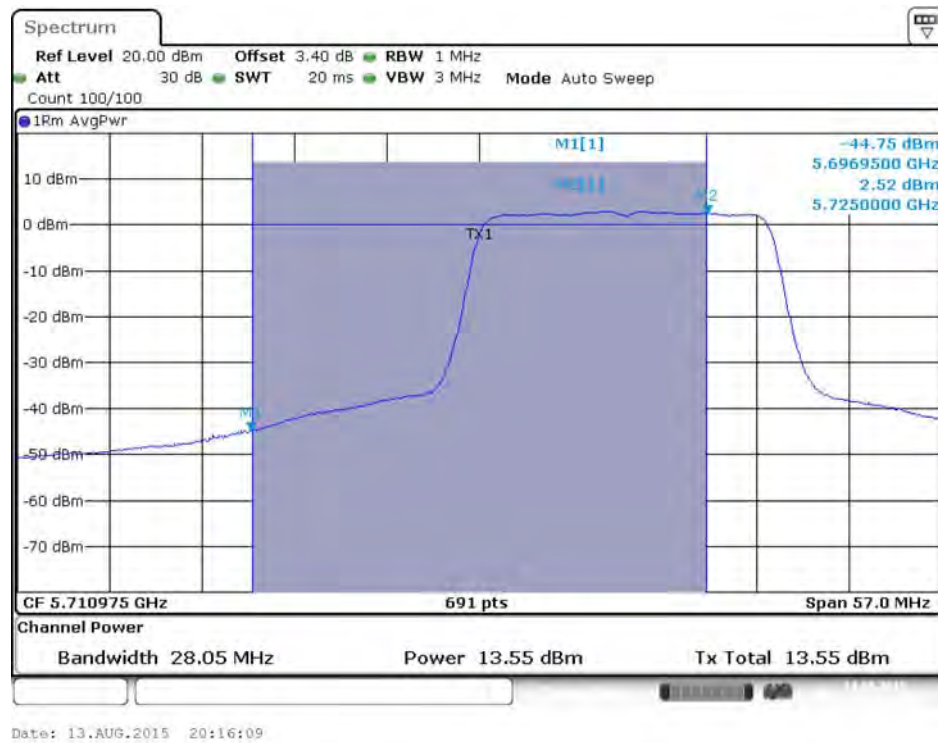
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



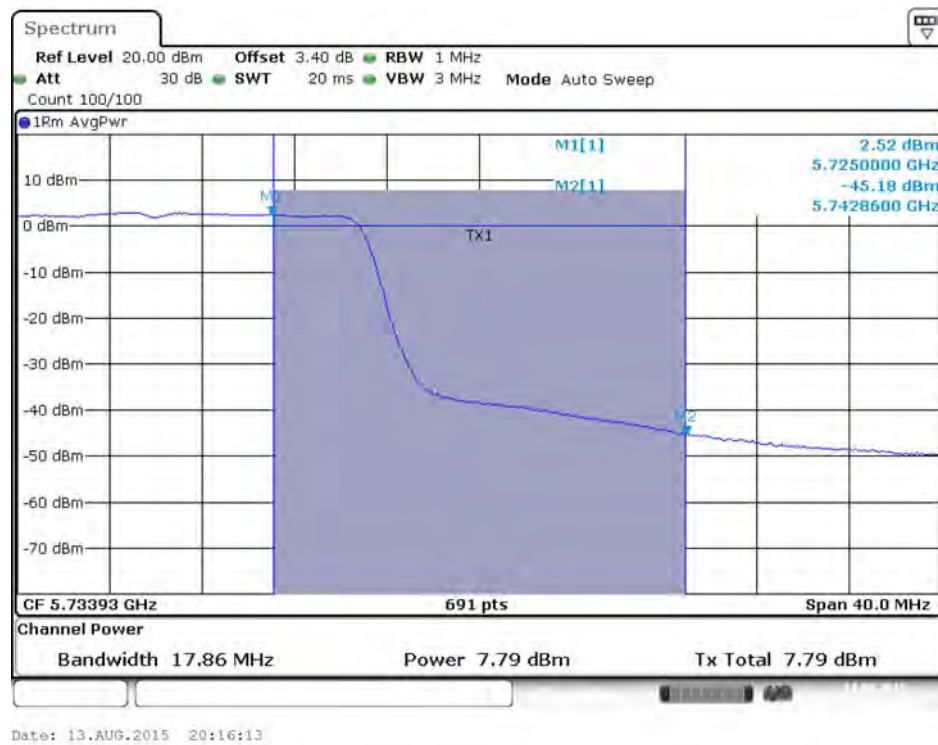
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)



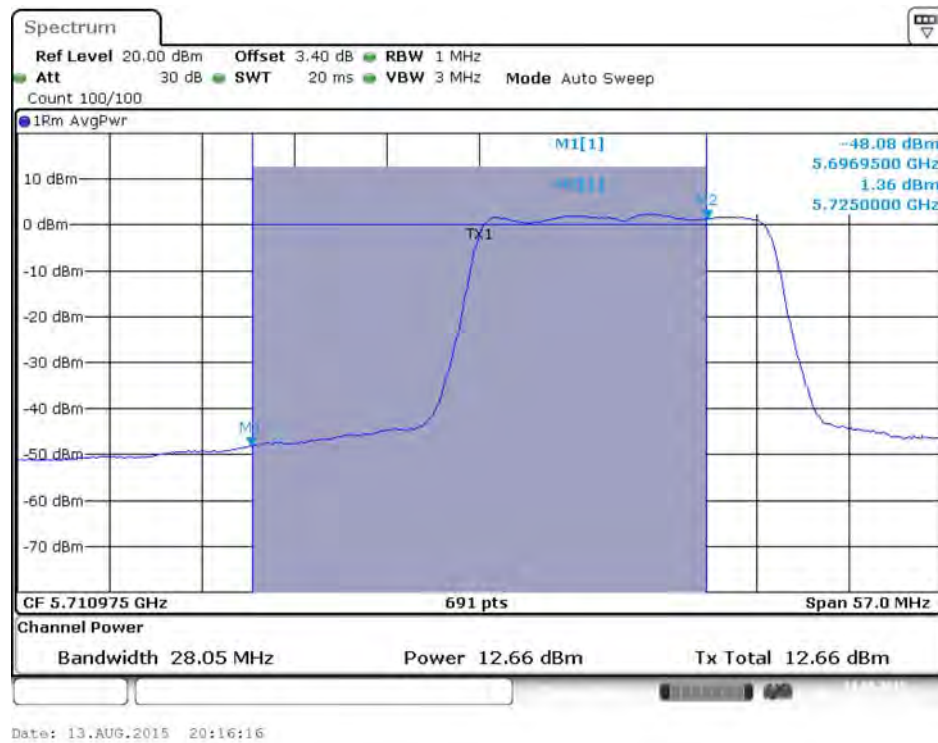
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



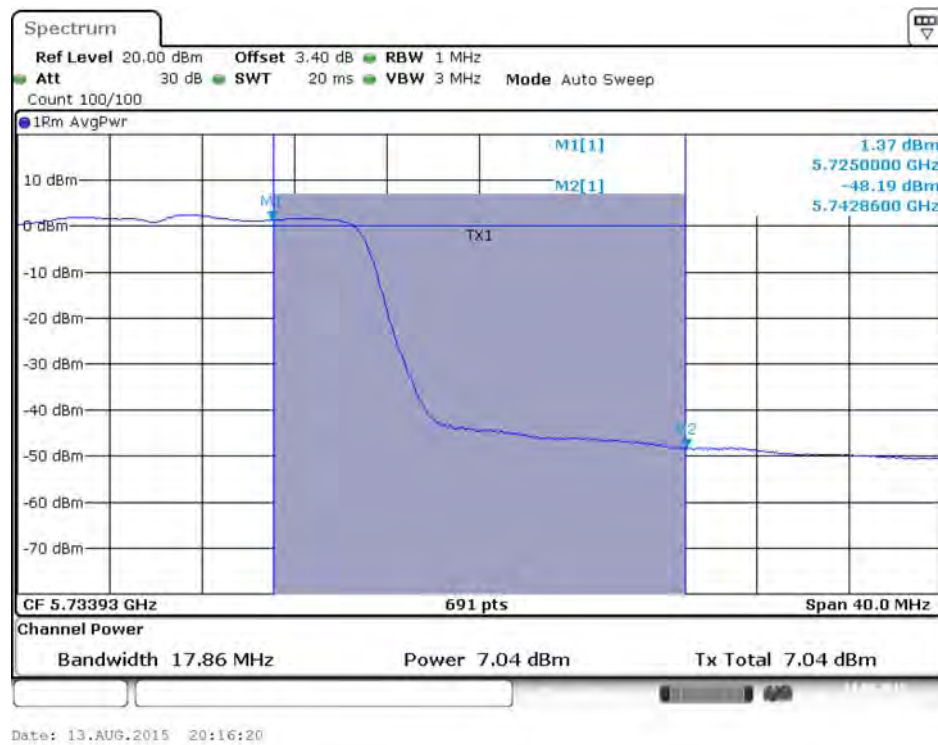
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



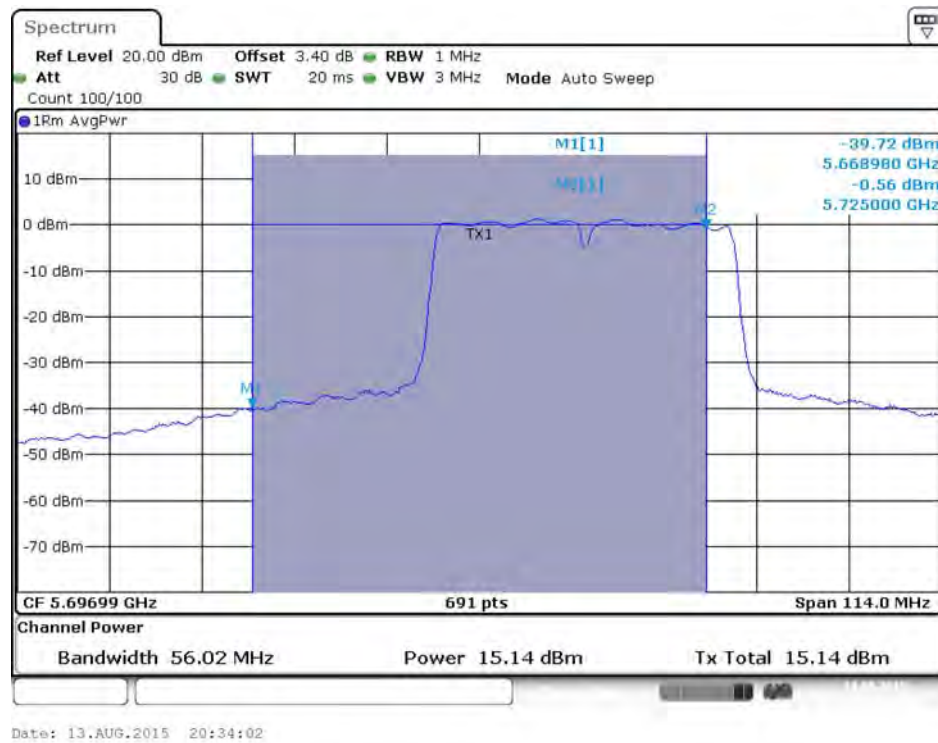
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 3 / 5720 MHz (UNII 2C)



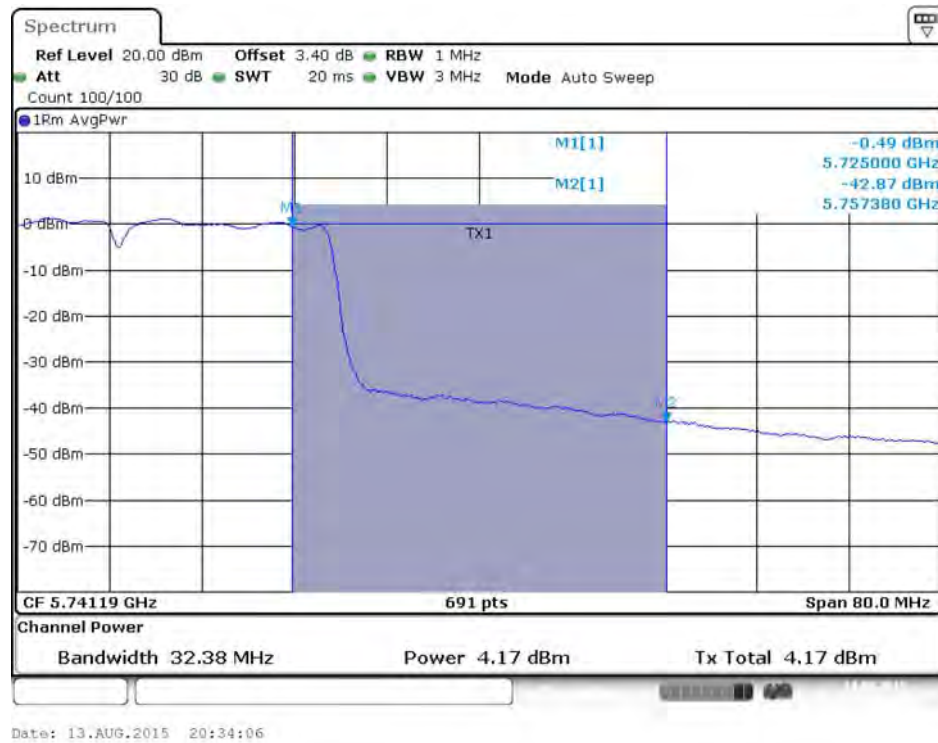
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 3 / 5720 MHz (UNII 3)



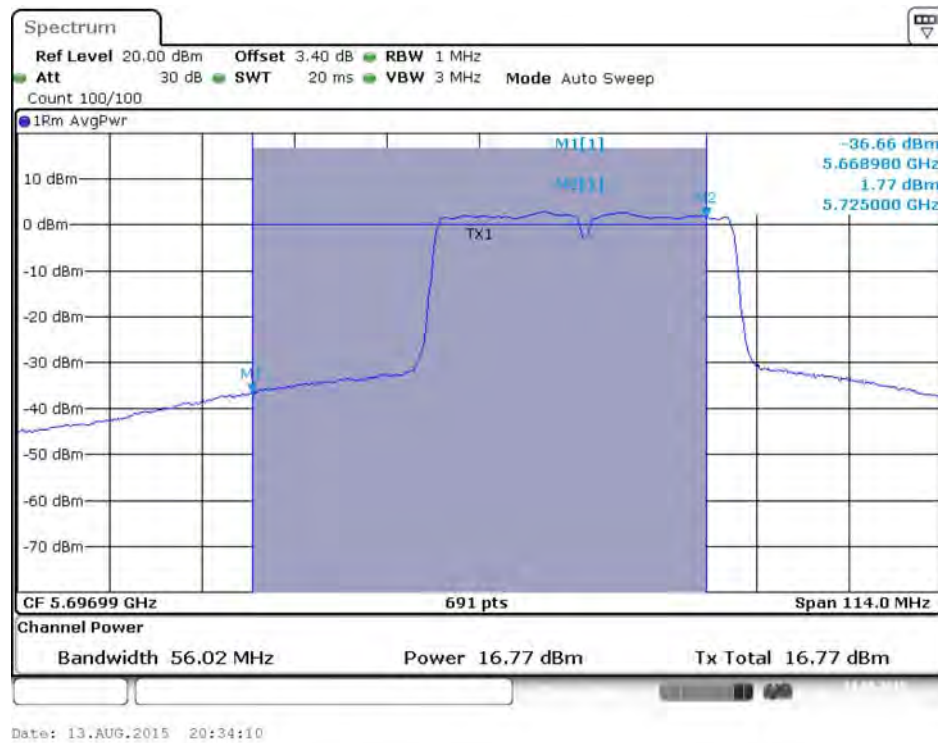
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



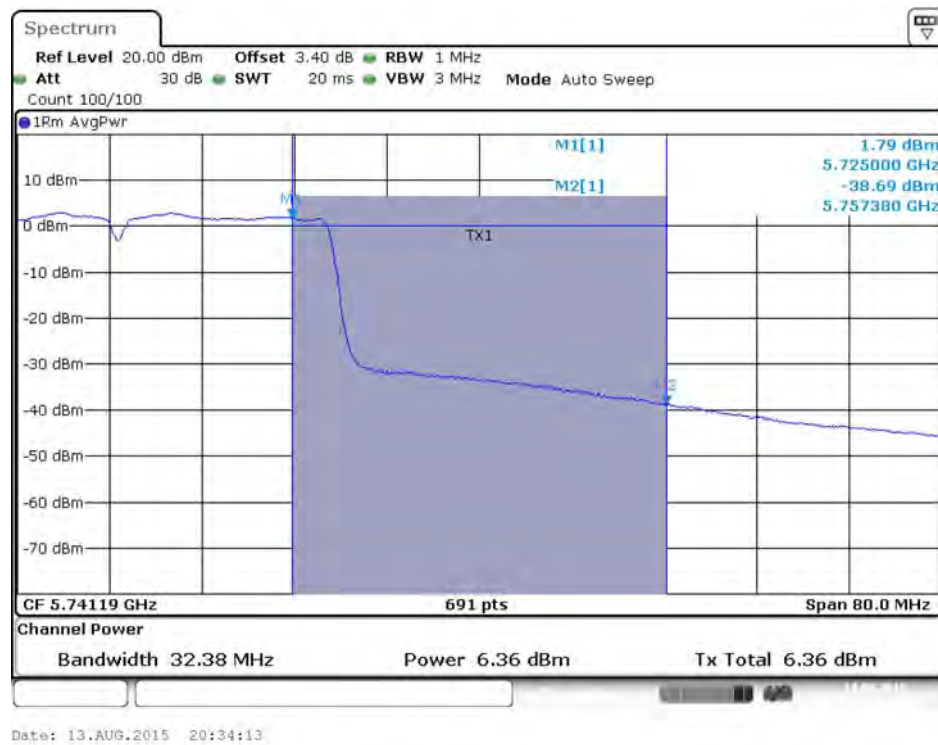
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)



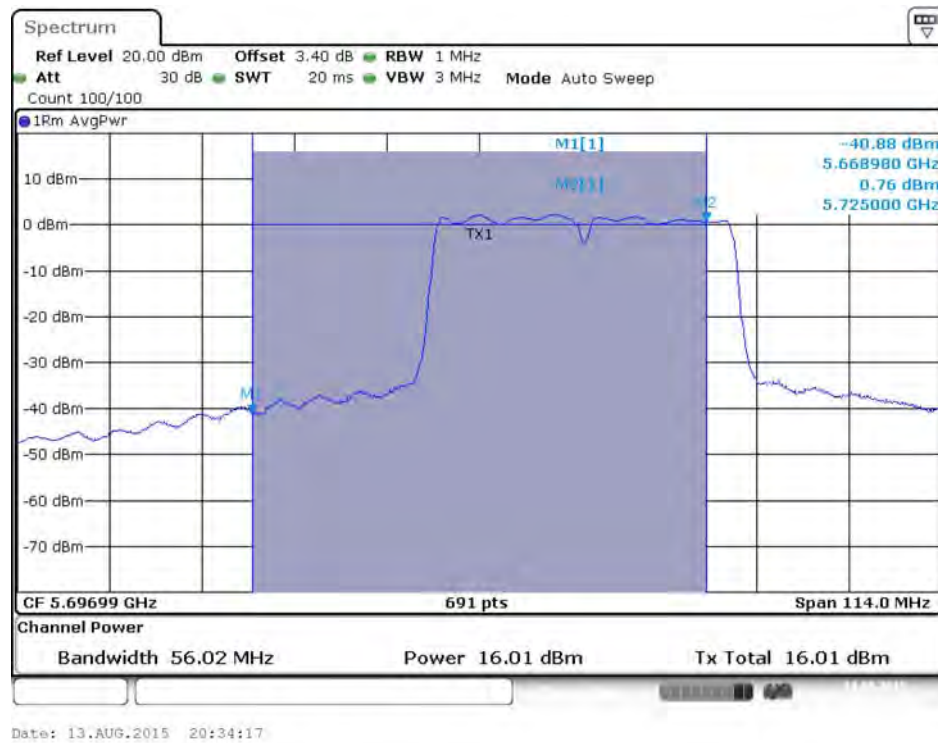
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



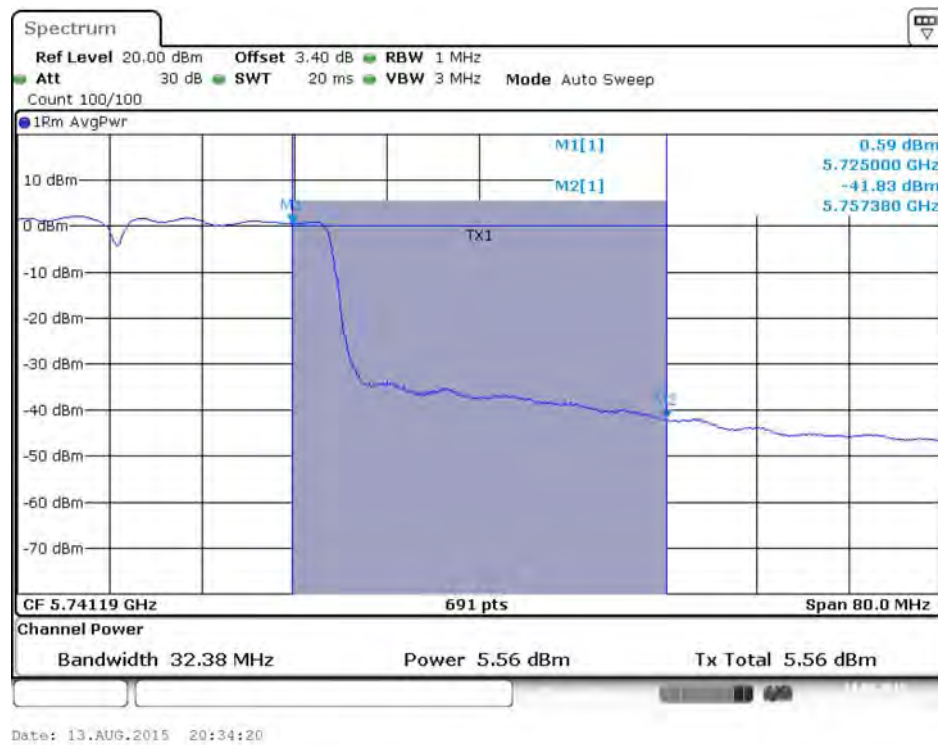
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 3 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 3 / 5710 MHz (UNII 3)



[illegible]

Spectrum

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

1Rm AvgPwr

0.00 dBm
5.7250000 GHz
-47.17 dBm
5.7428600 GHz

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

CF 5.73393 GHz 691 pts Span 40.0 MHz

Channel Power

Bandwidth 17.86 MHz Power 5.53 dBm Tx Total 5.53 dBm

Date: 13.AUG.2015 19:17:26



Spectrum

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

■ IRm AvgPwr

MI[1] -45.11 dBm
5.6969500 GHz 2.42 dBm
5.7250000 GHz

Tx1

CF 5.710975 GHz 691 pts Span 57.0 MHz

Channel Power

Bandwidth 28.05 MHz Power 13.40 dBm Tx Total 13.40 dBm

Date: 13.AUG.2015 19:17:30

Spectrum

Ref Level 20.00 dBm Offset 3.40 dB RBW 1 MHz
Att 30 dB SWT 20 ms VBW 3 MHz Mode Auto Sweep
Count 100/100

1Rm AvgPwr

2.36 dBm
5.7250000 GHz
-45.43 dBm
5.7428600 GHz

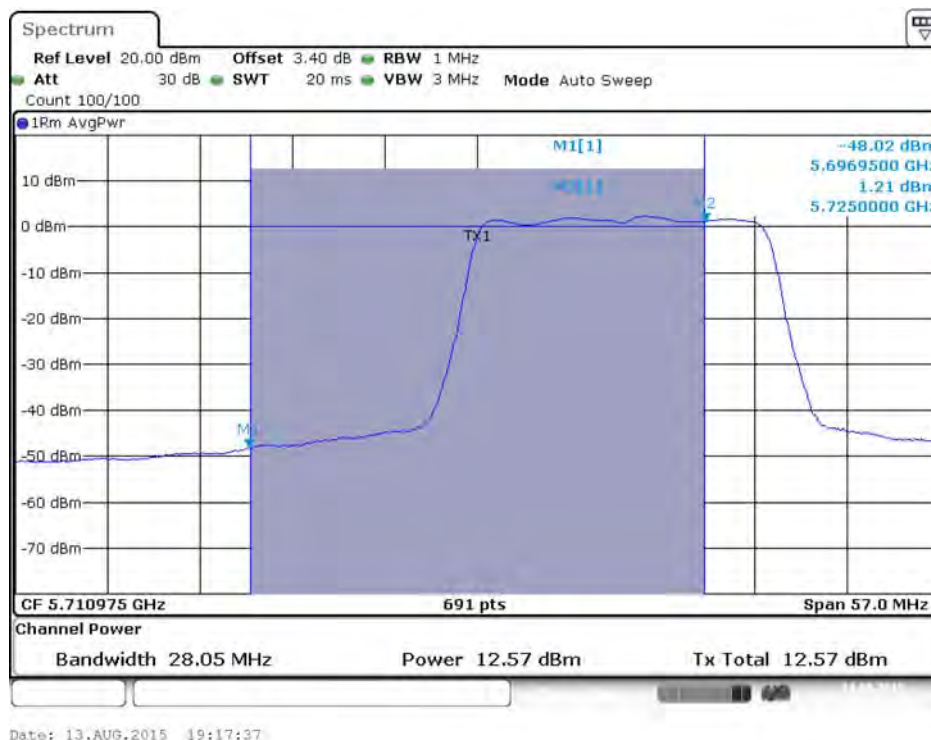
CF 5.73393 GHz 691 pts Span 40.0 MHz

Channel Power

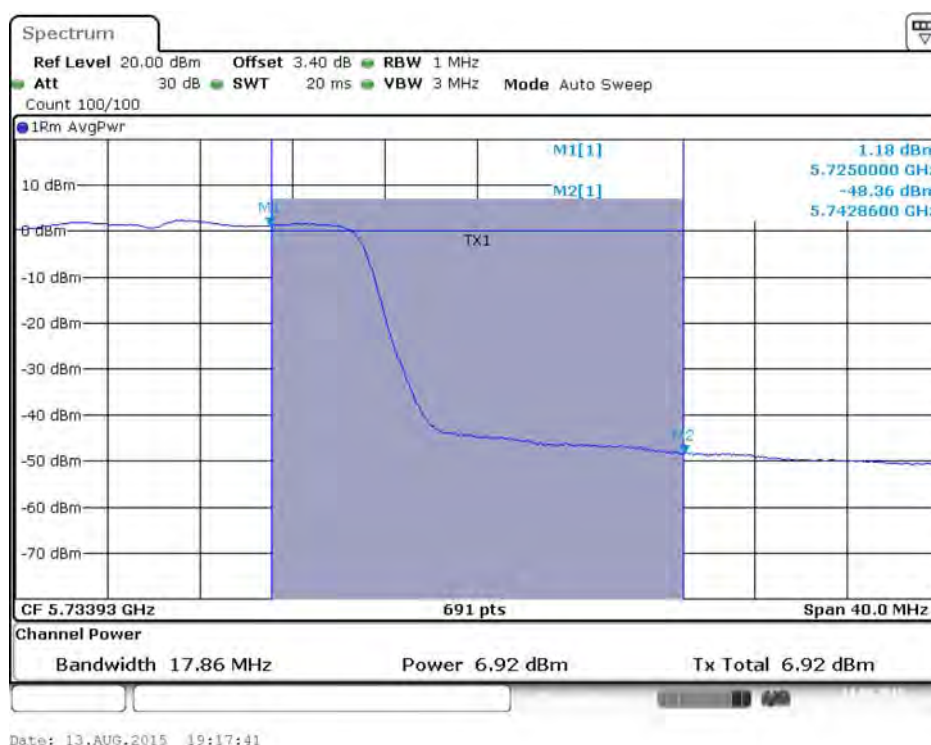
Bandwidth 17.86 MHz Power 7.64 dBm Tx Total 7.64 dBm

Date: 13.AUG.2015 19:17:33

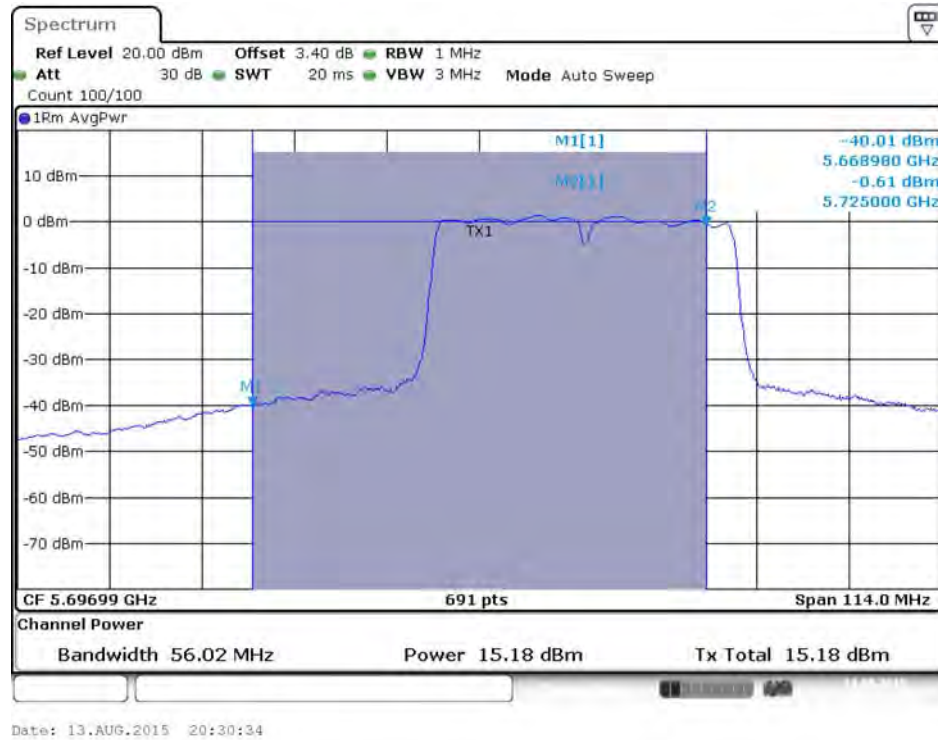
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



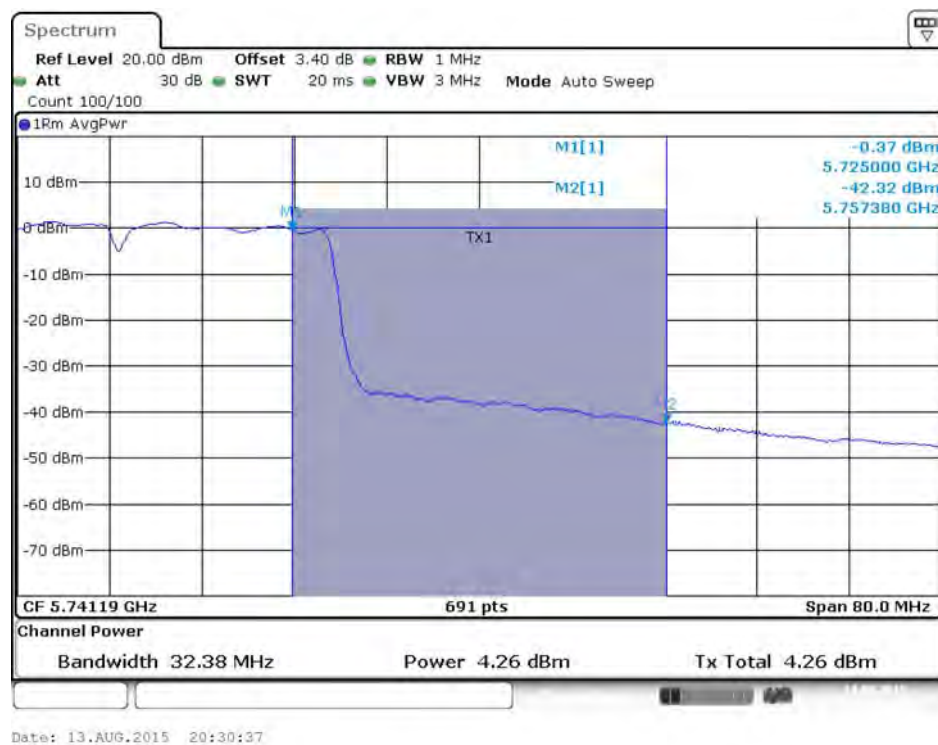
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



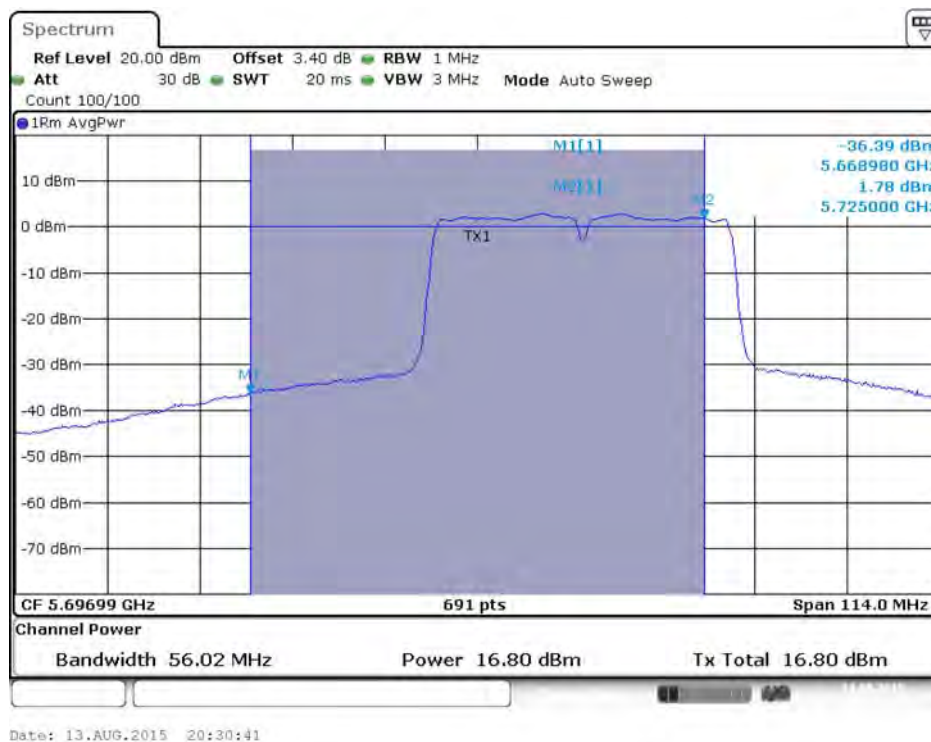
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



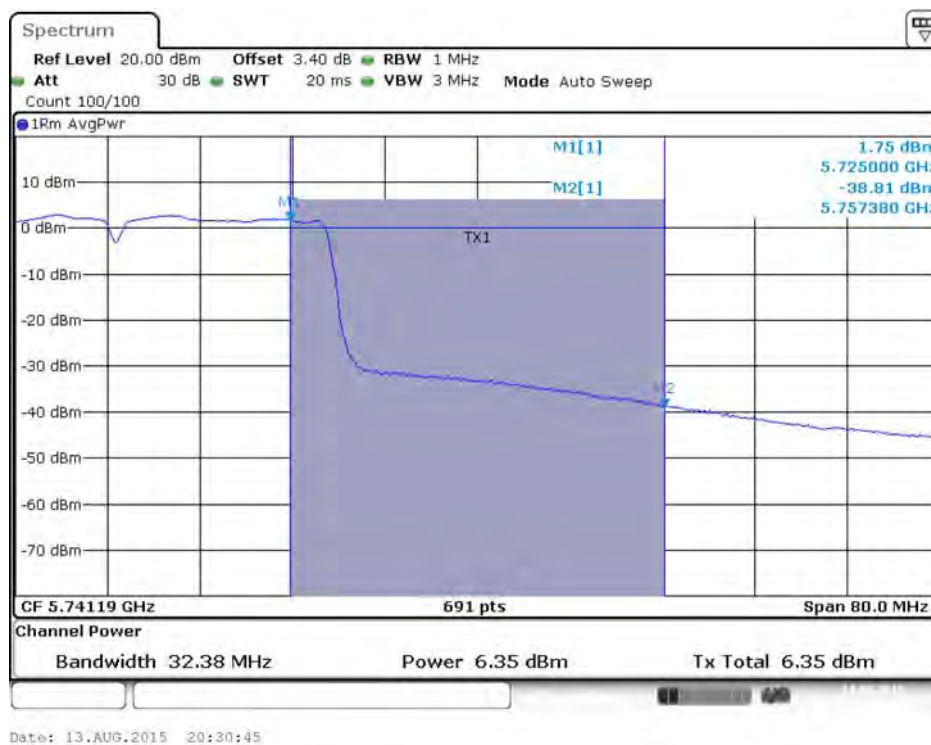
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



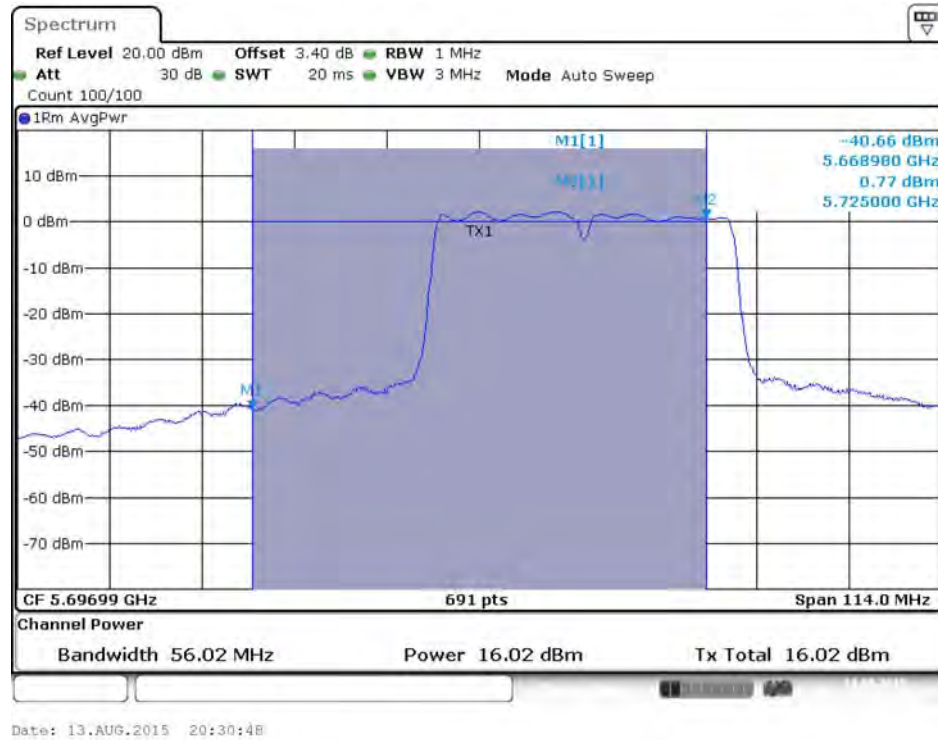
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



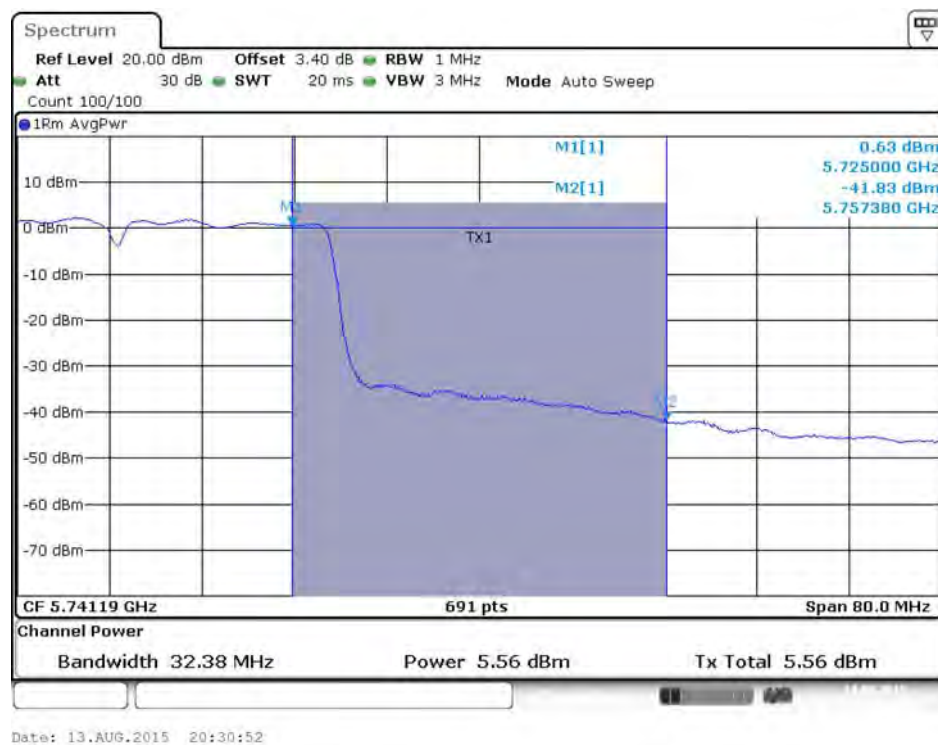
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



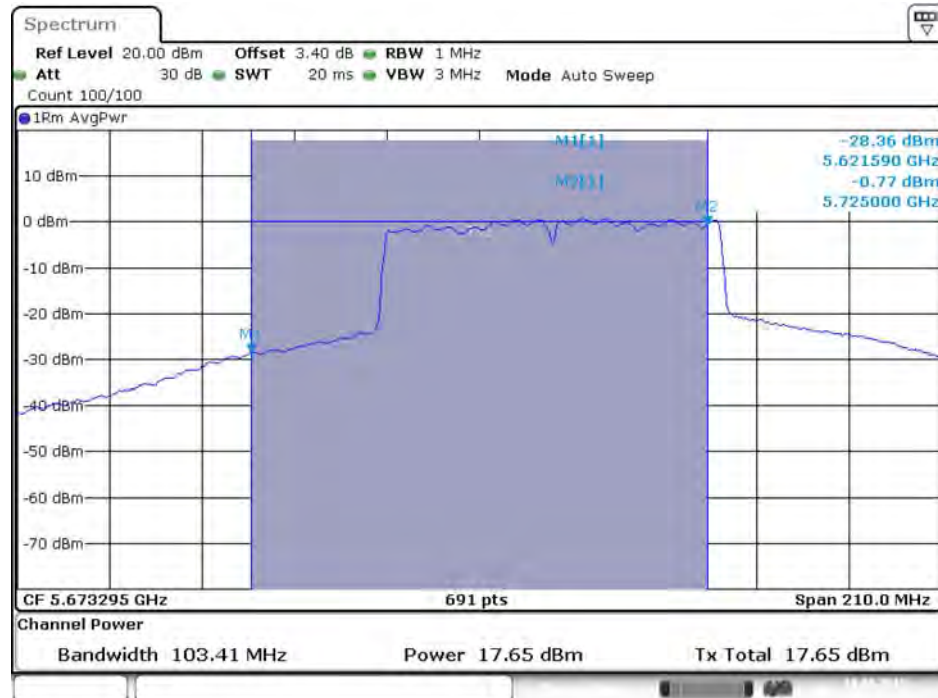
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)

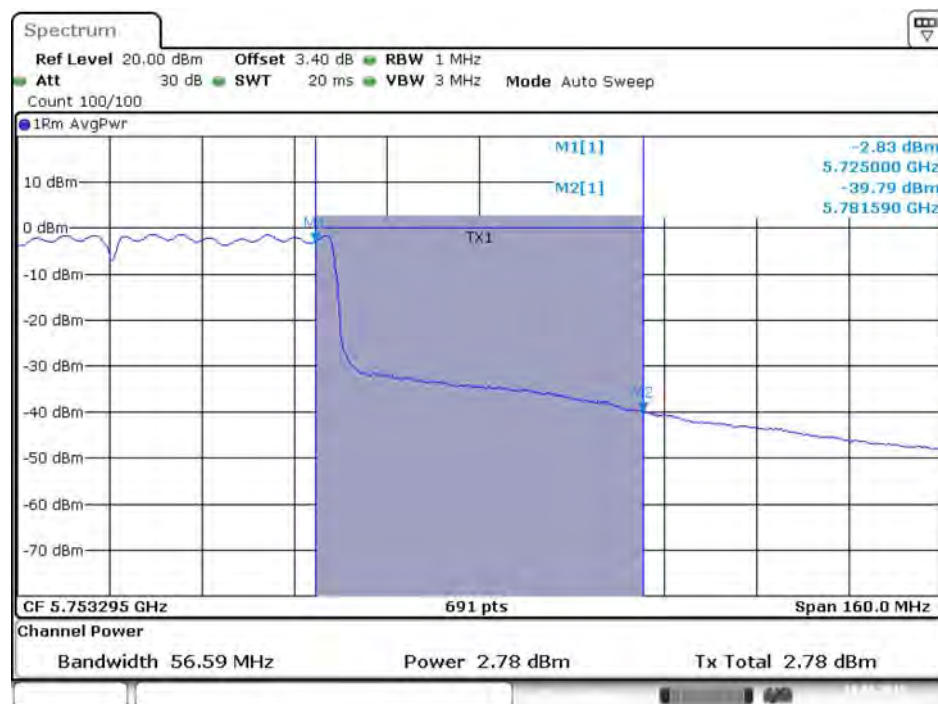


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



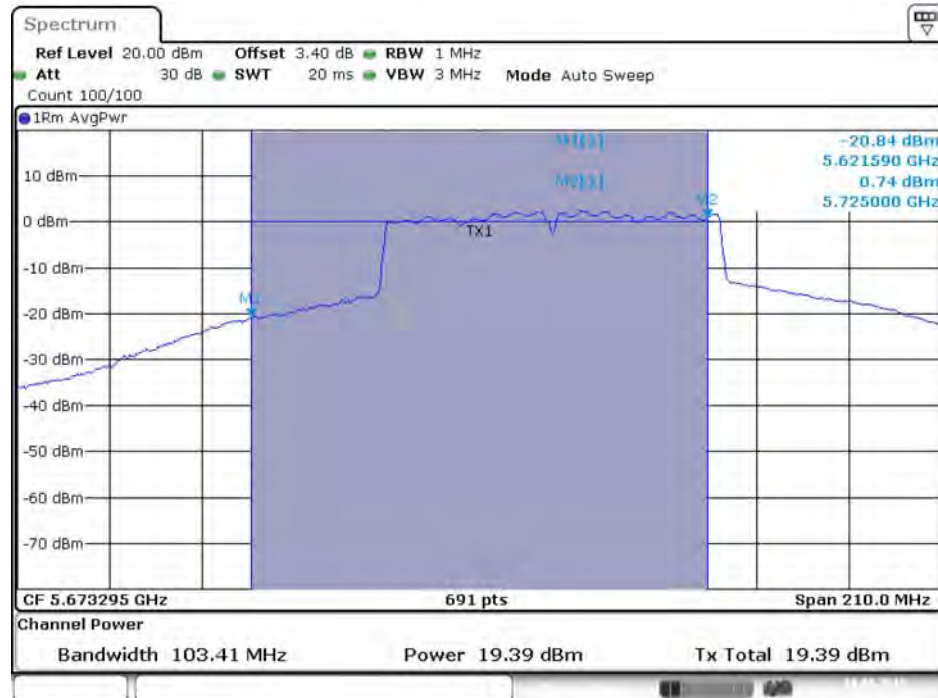
Date: 19.AUG.2015 21:07:13

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



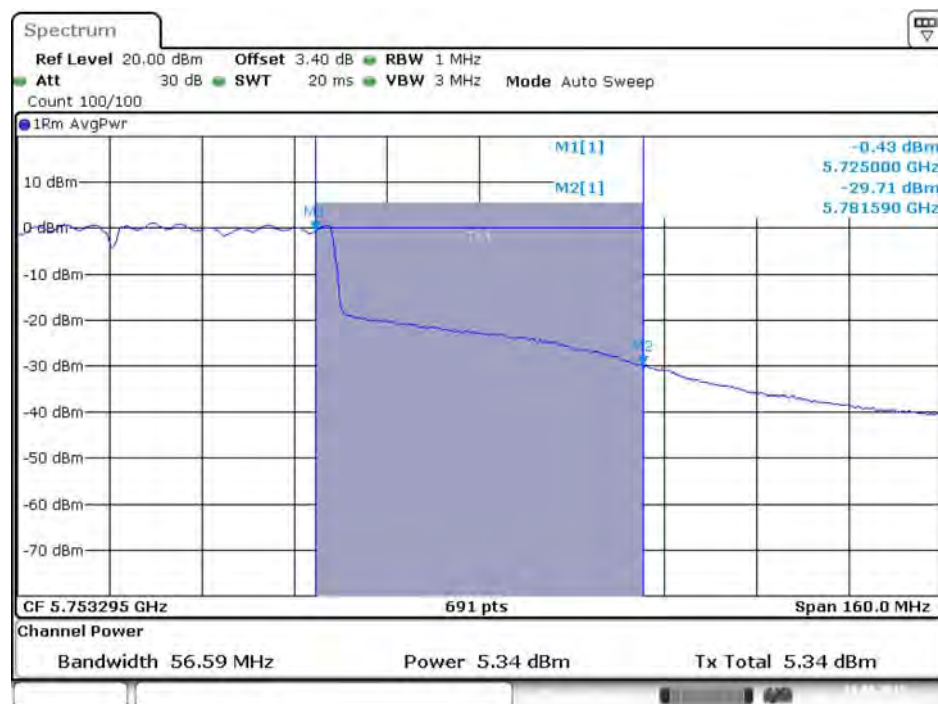
Date: 19.AUG.2015 21:22:35

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



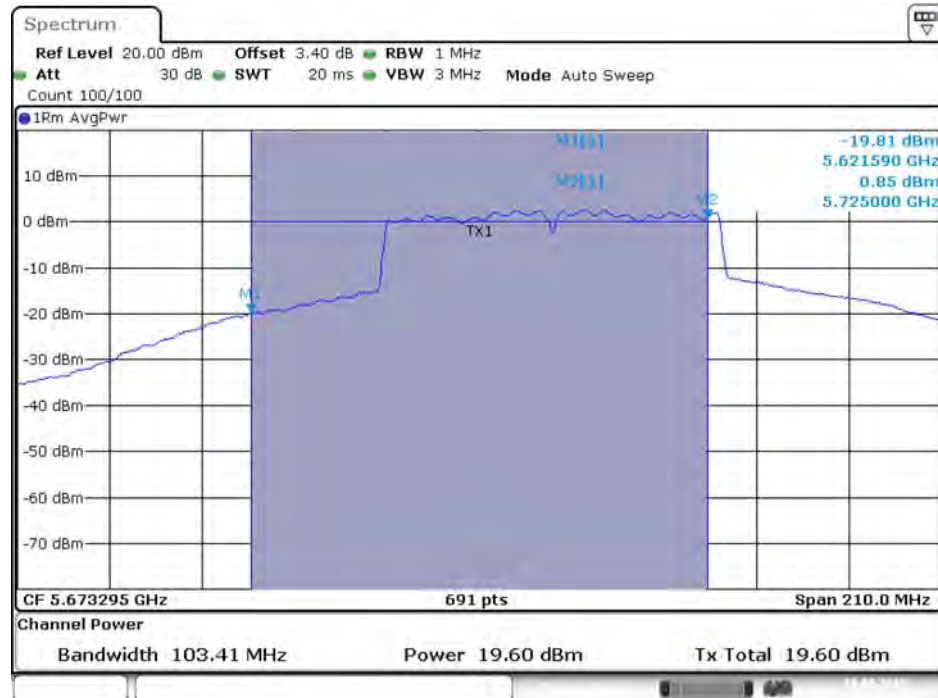
Date: 19.AUG.2015 21:08:13

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



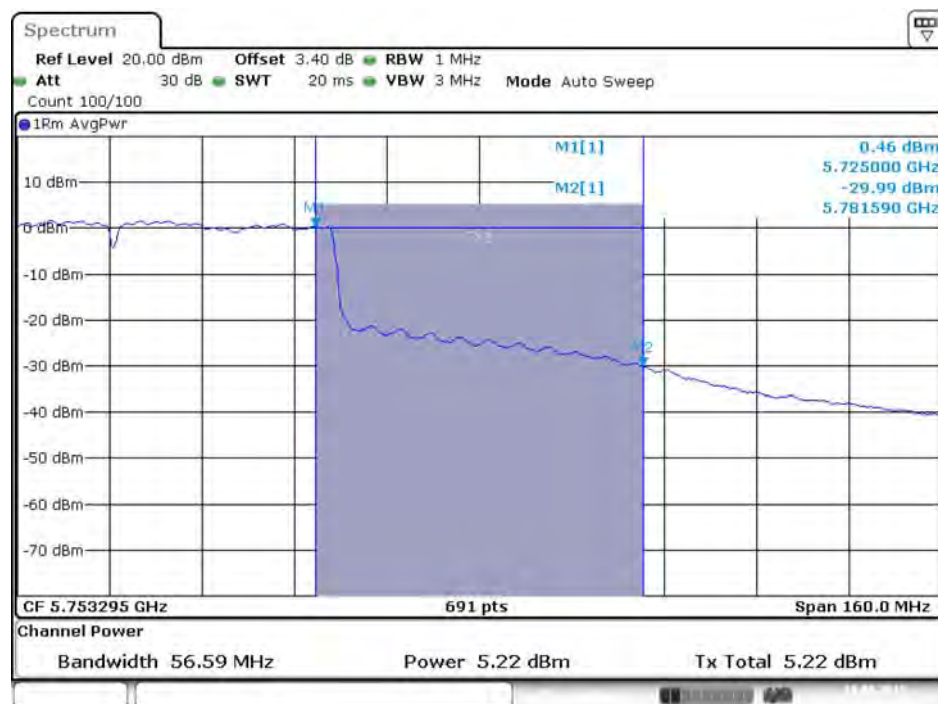
Date: 19.AUG.2015 21:24:15

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Date: 19.AUG.2015 21:09:09

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



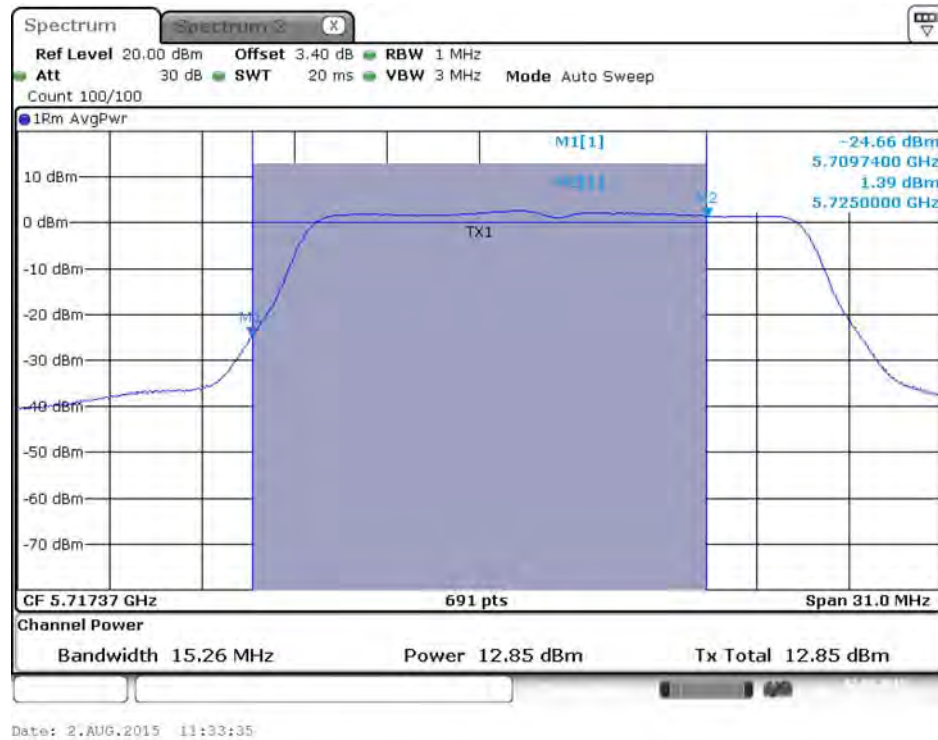
Date: 19.AUG.2015 21:12:03

<For Beamforming Mode>

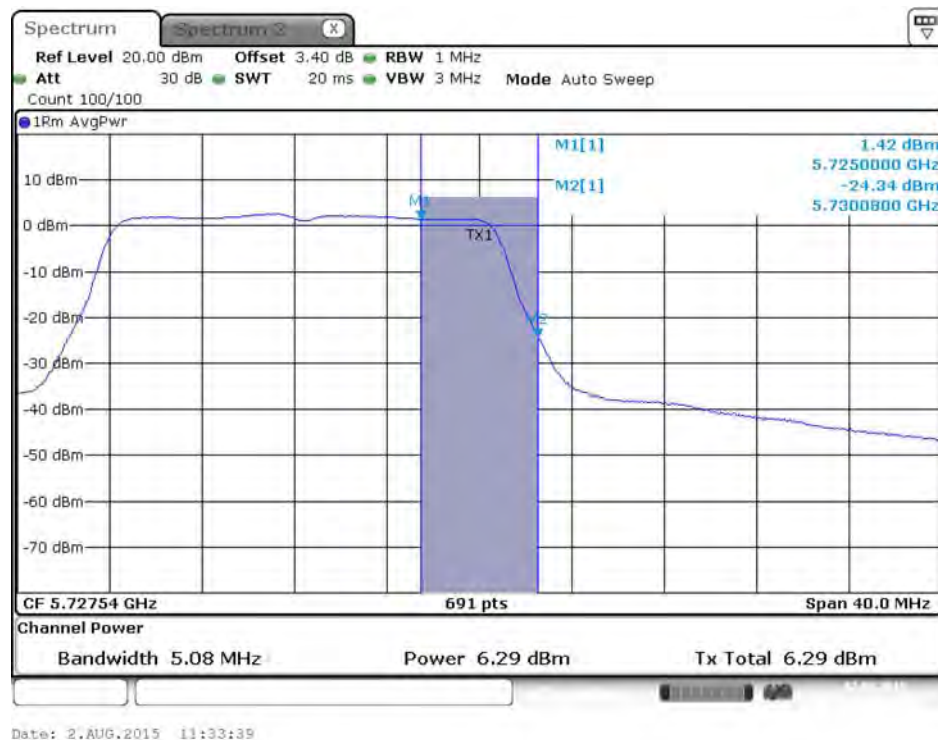
Straddle Channel: indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

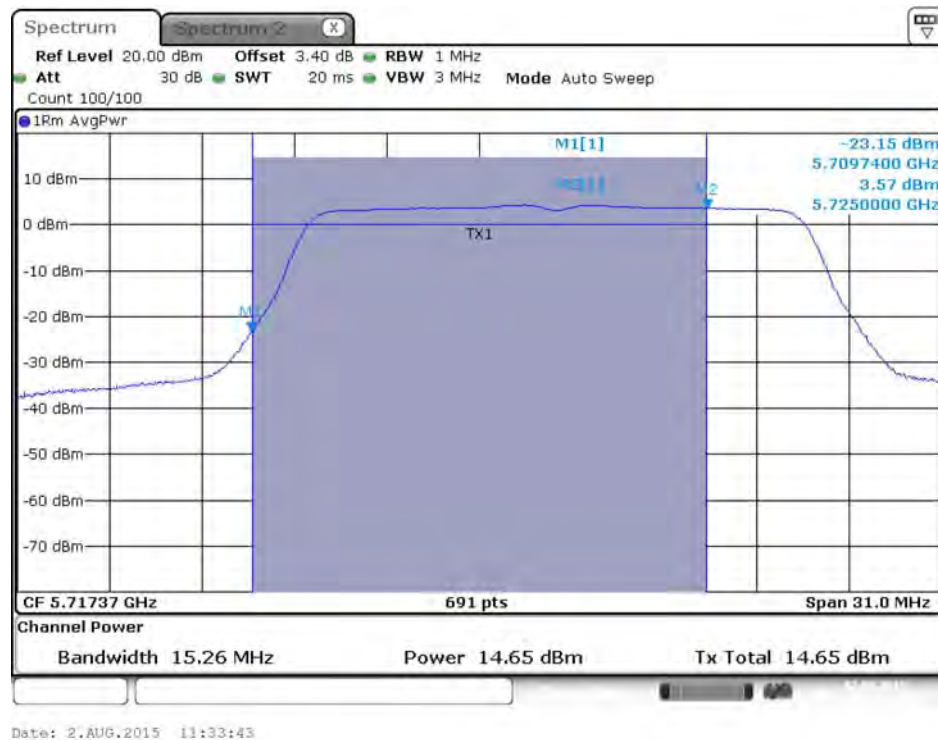
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



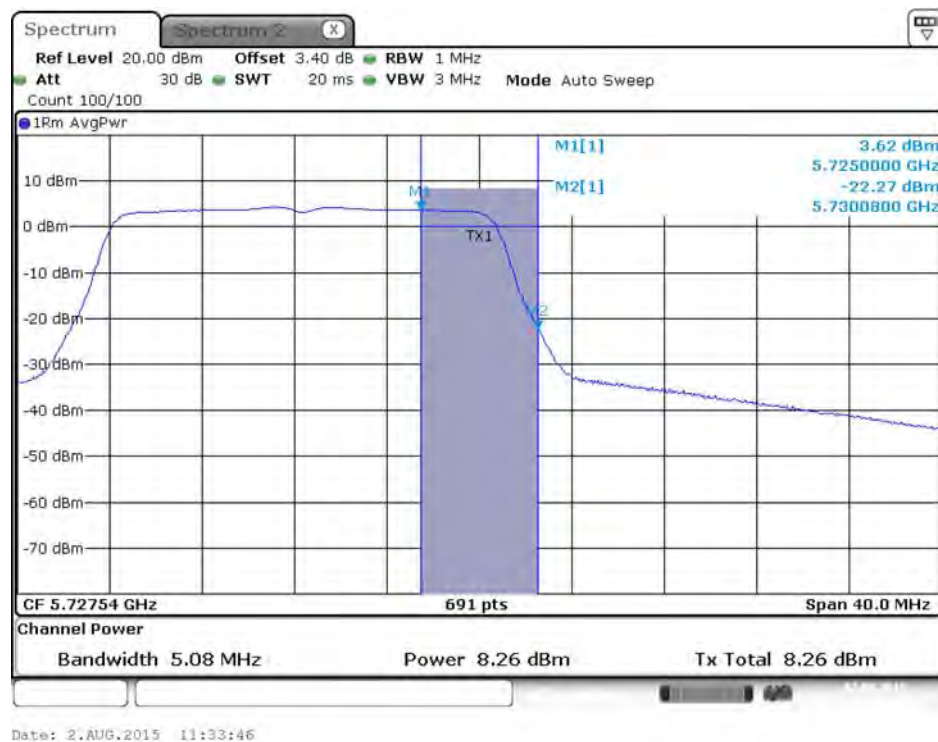
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



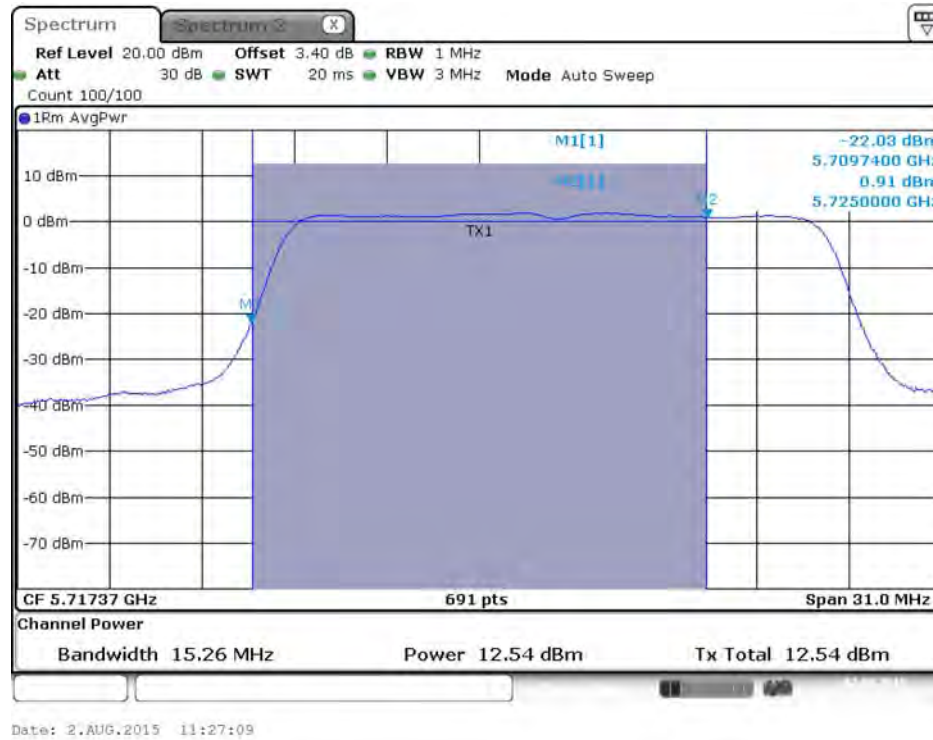
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



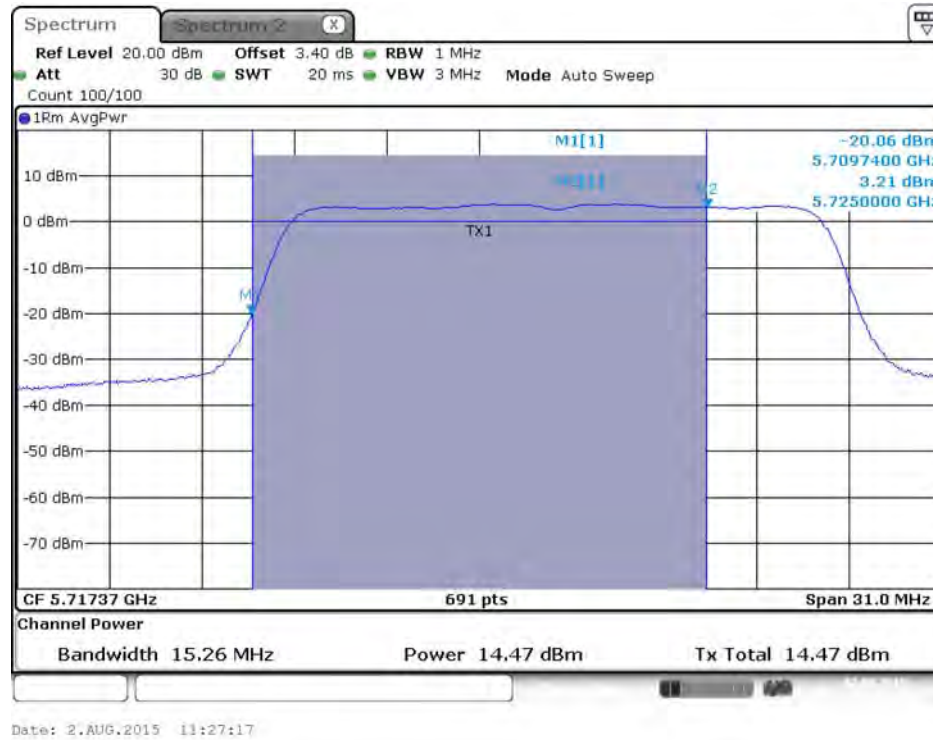
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



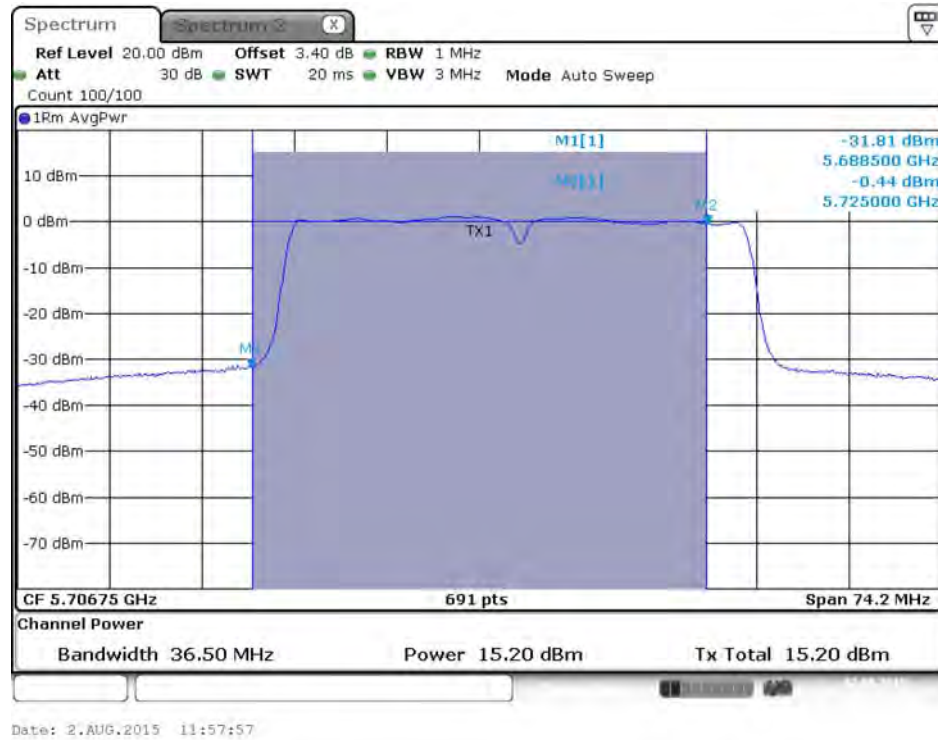
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



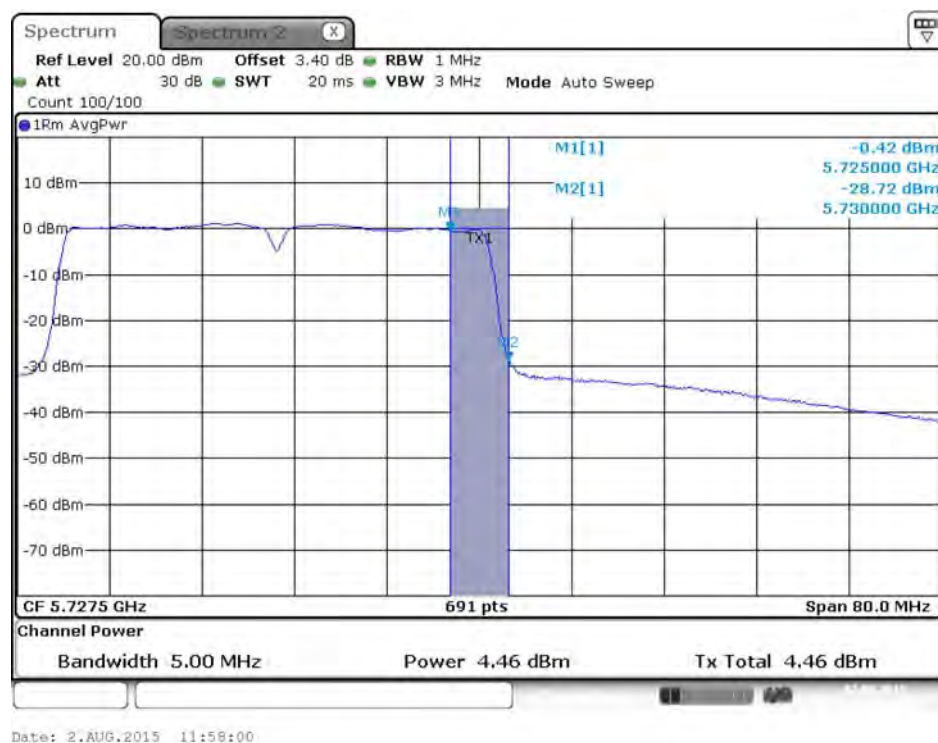
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



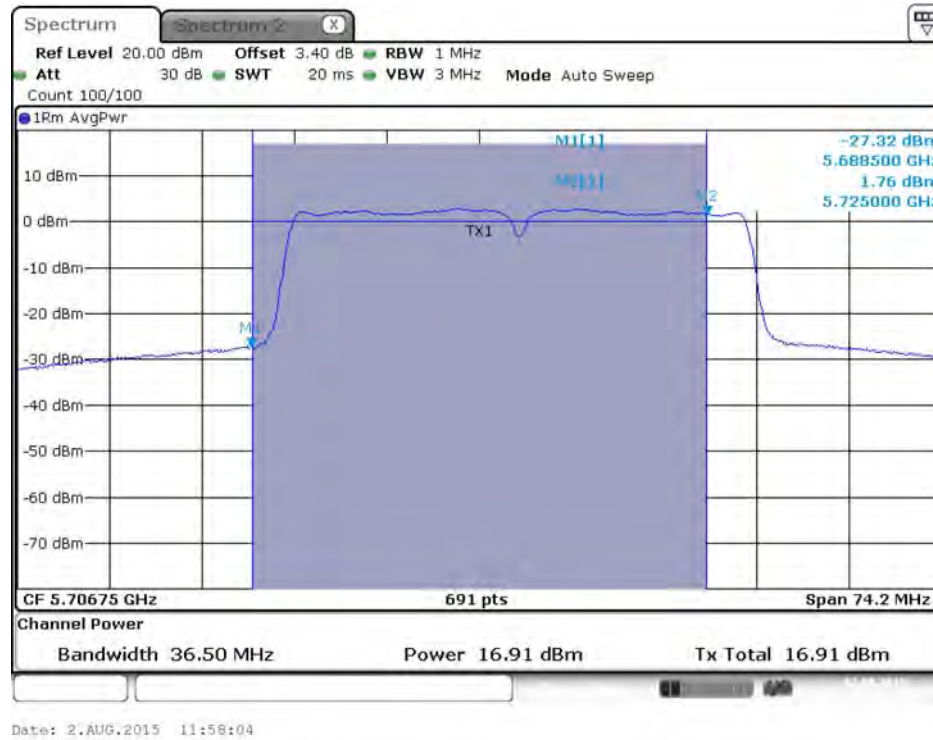
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



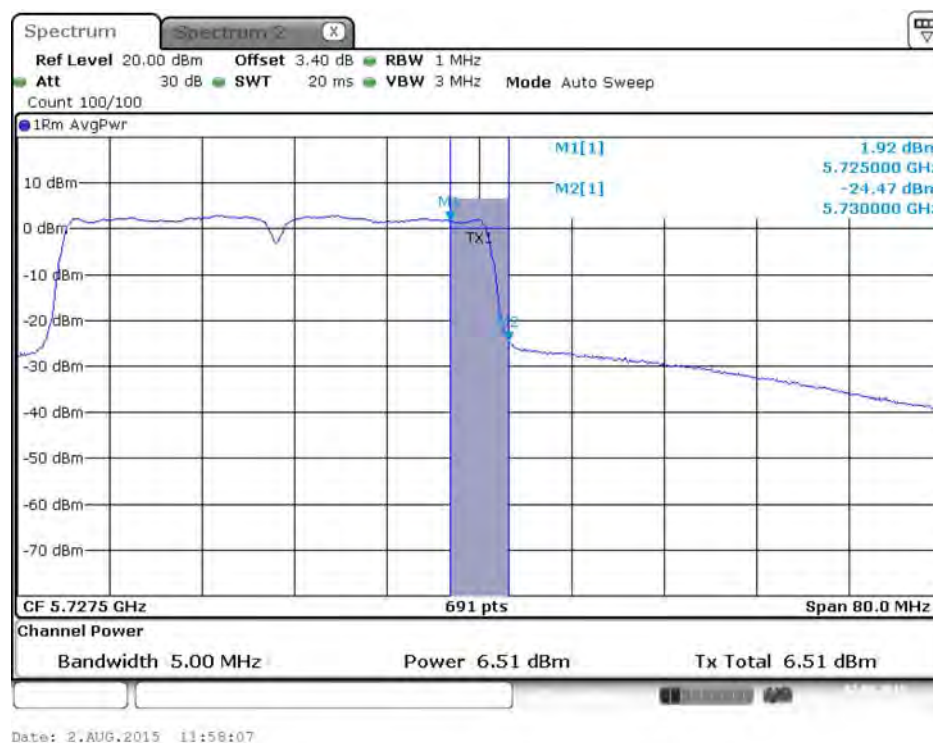
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



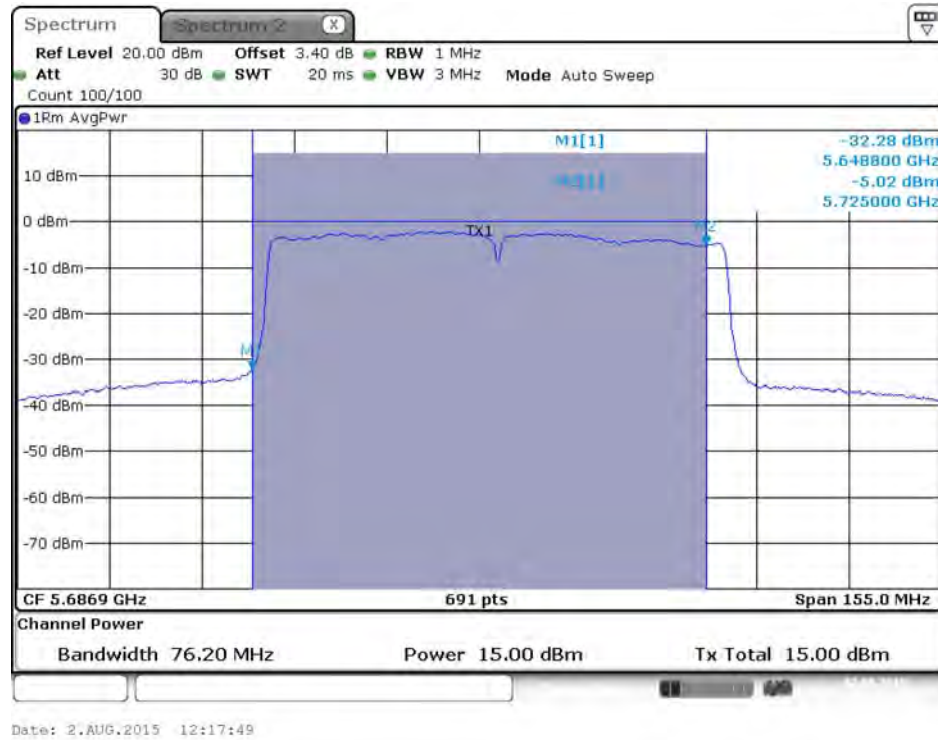
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



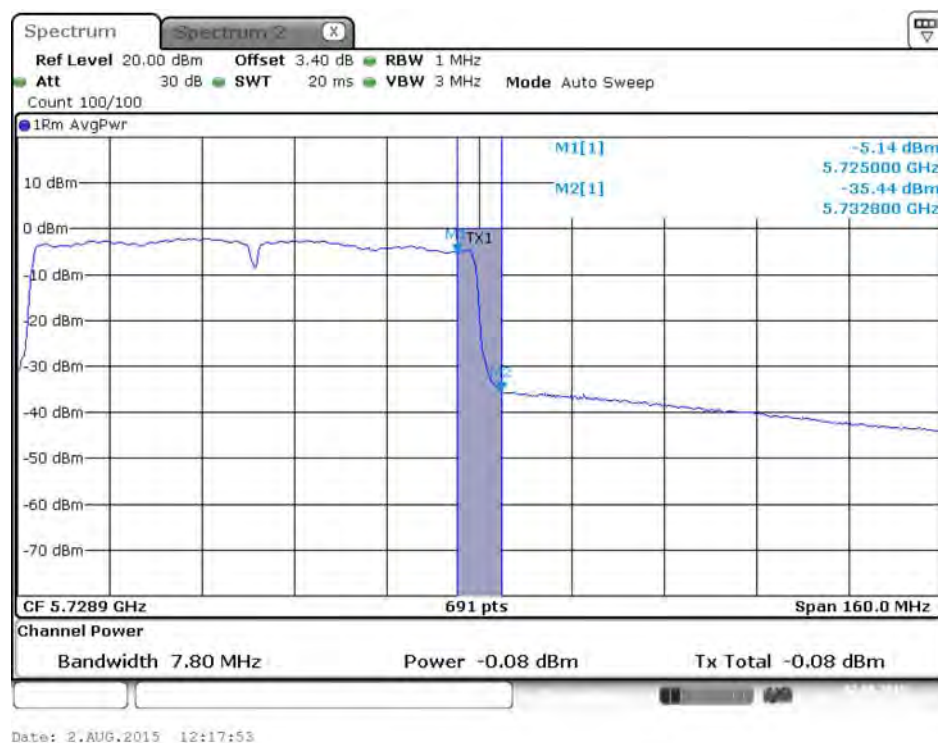
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



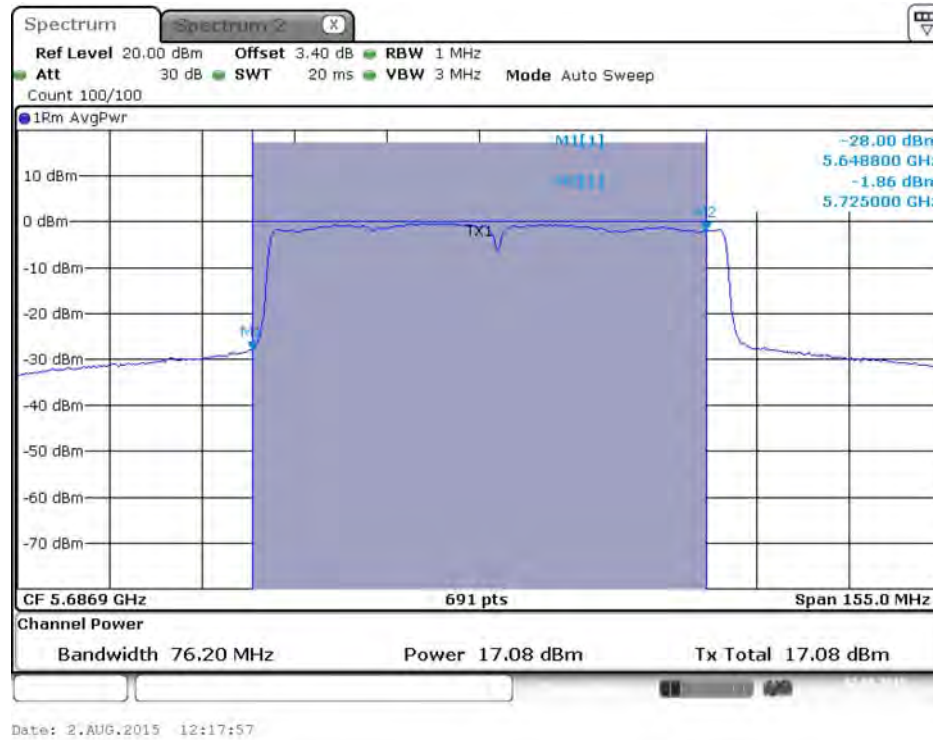
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



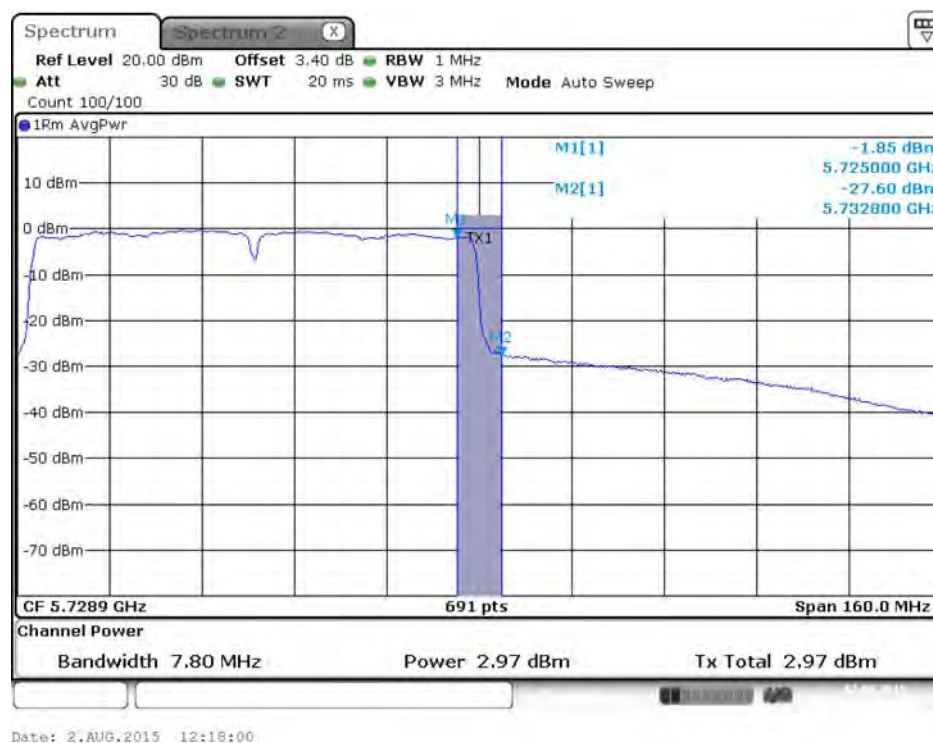
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)

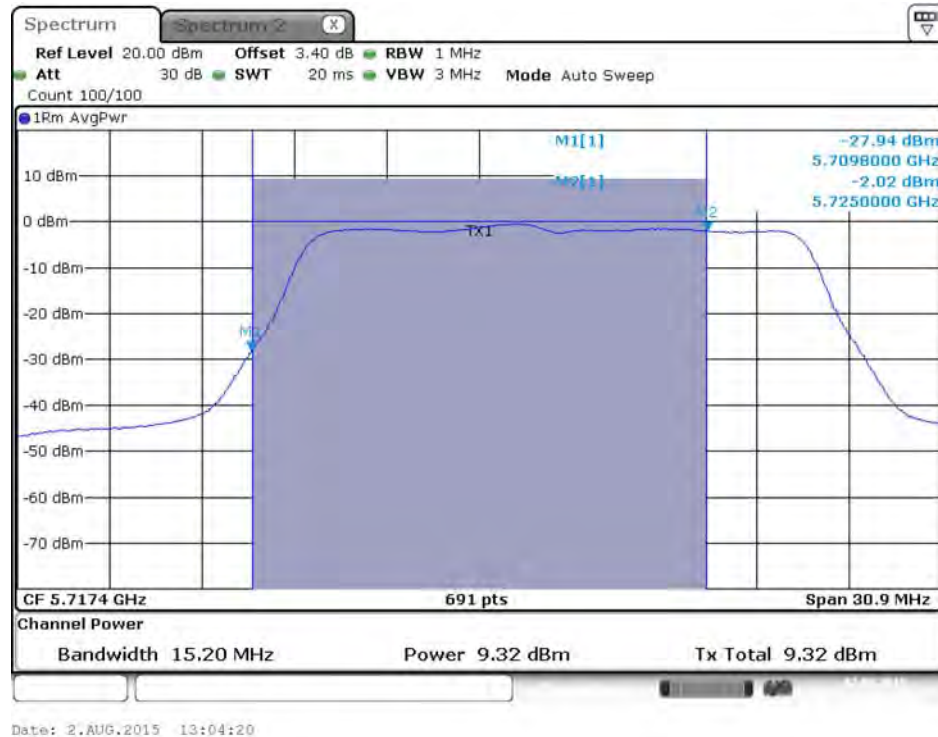


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

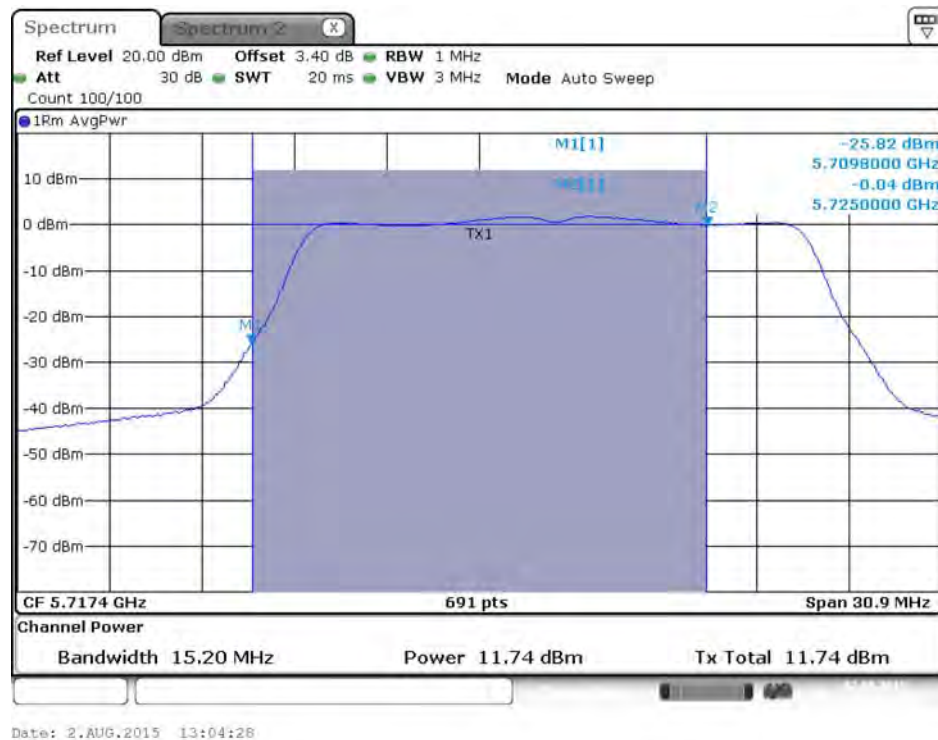
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



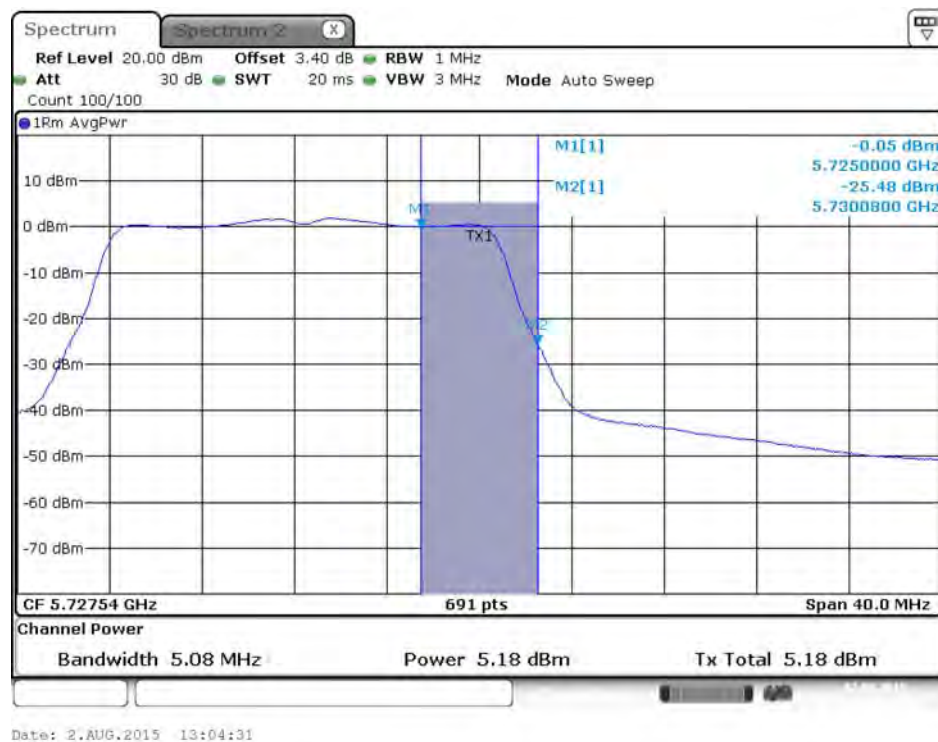
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 3)



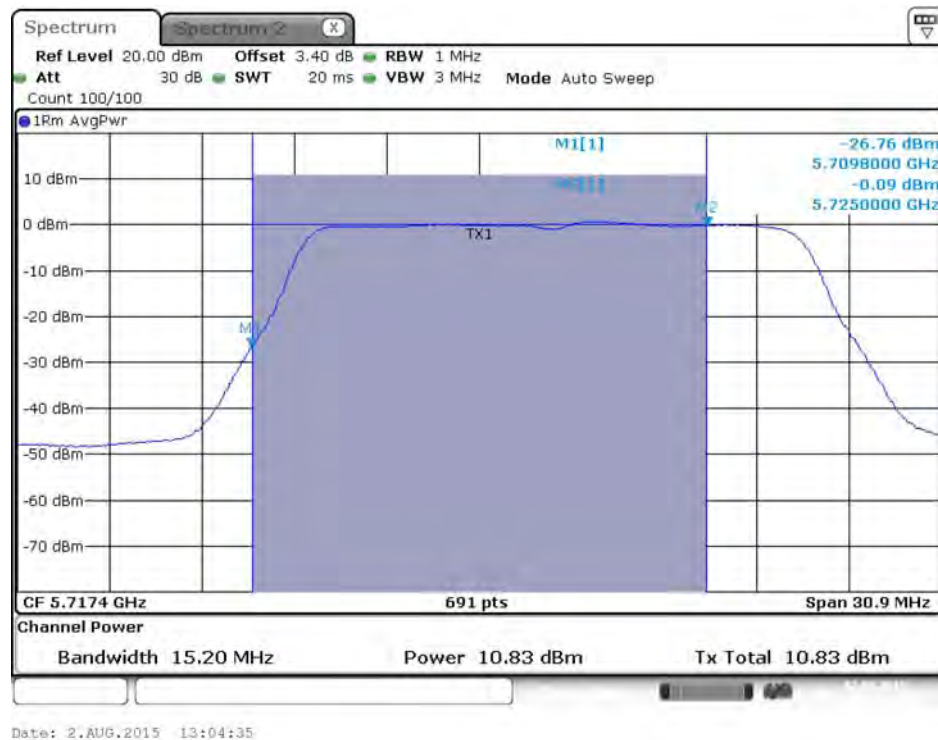
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



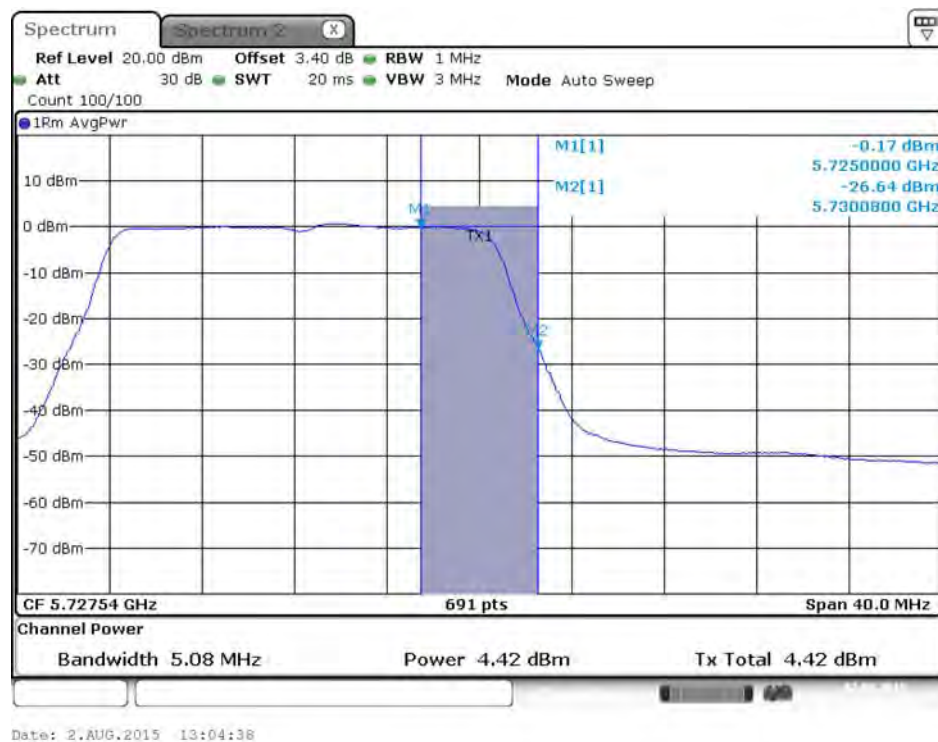
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 3)



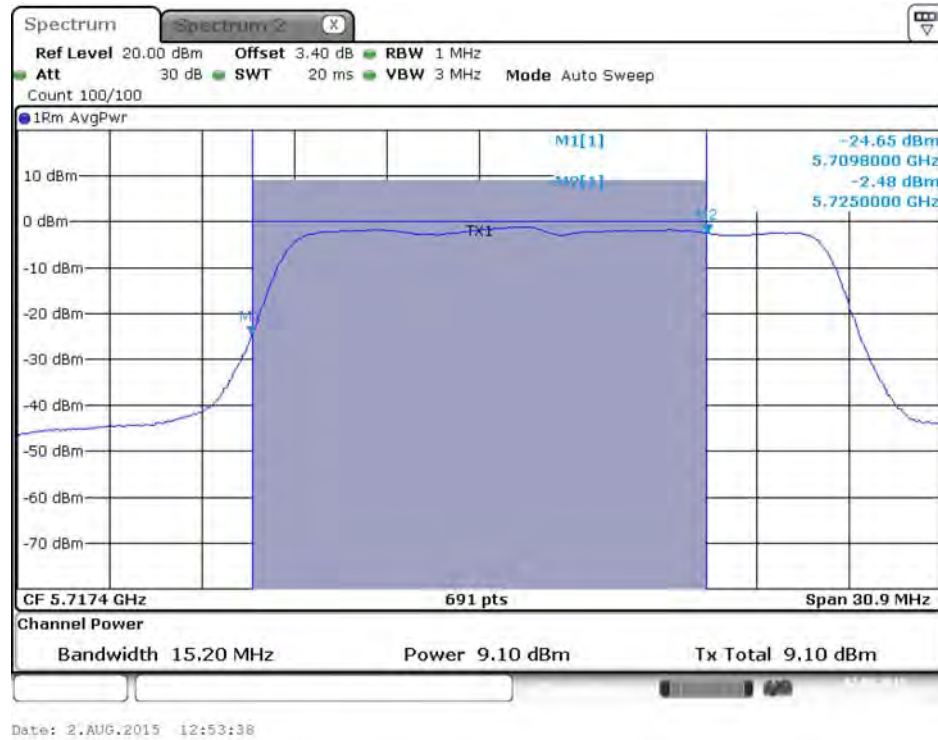
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 2C)



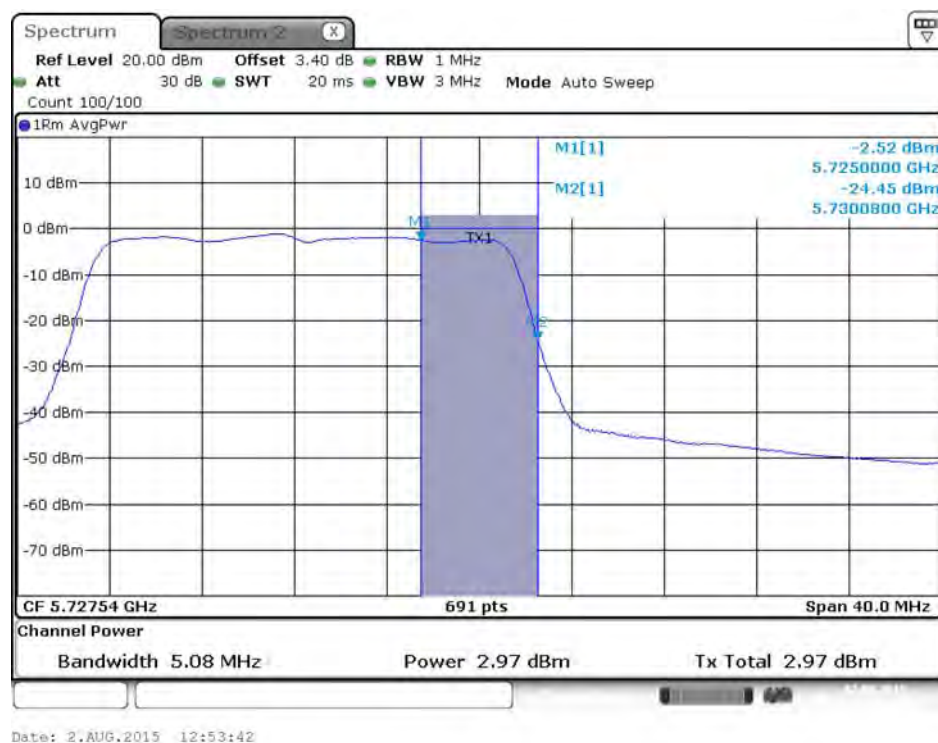
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 3)



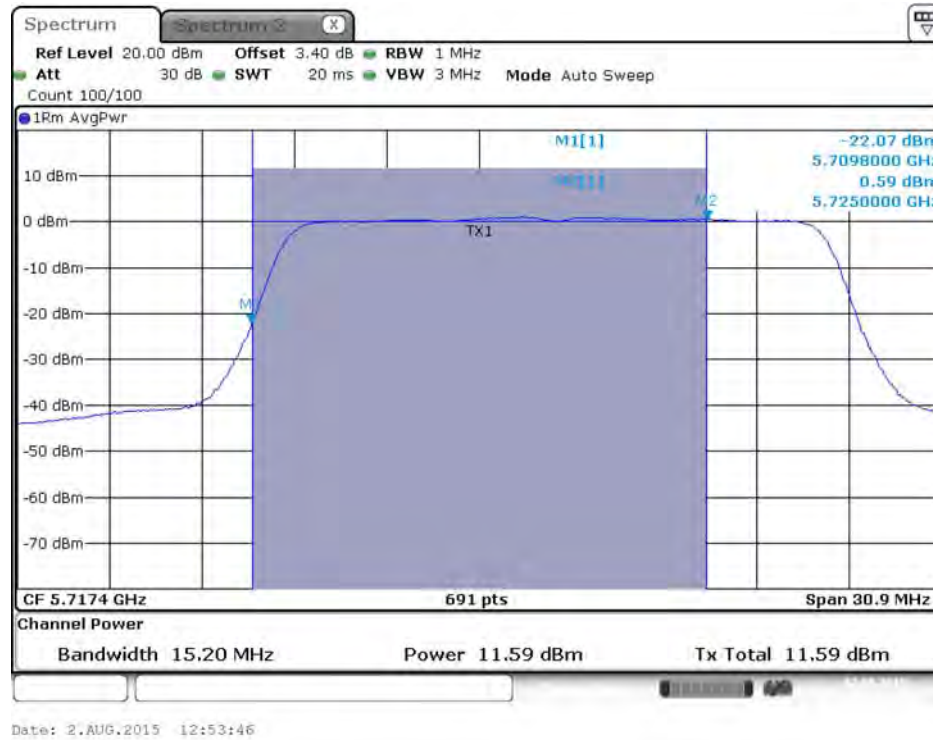
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



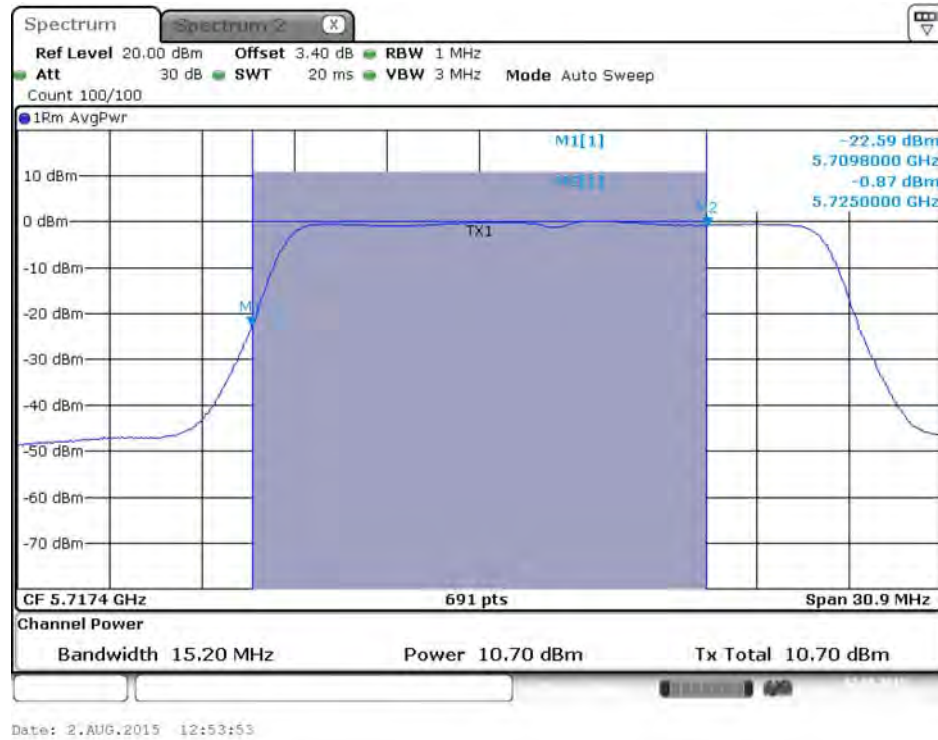
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz
(UNII 3)



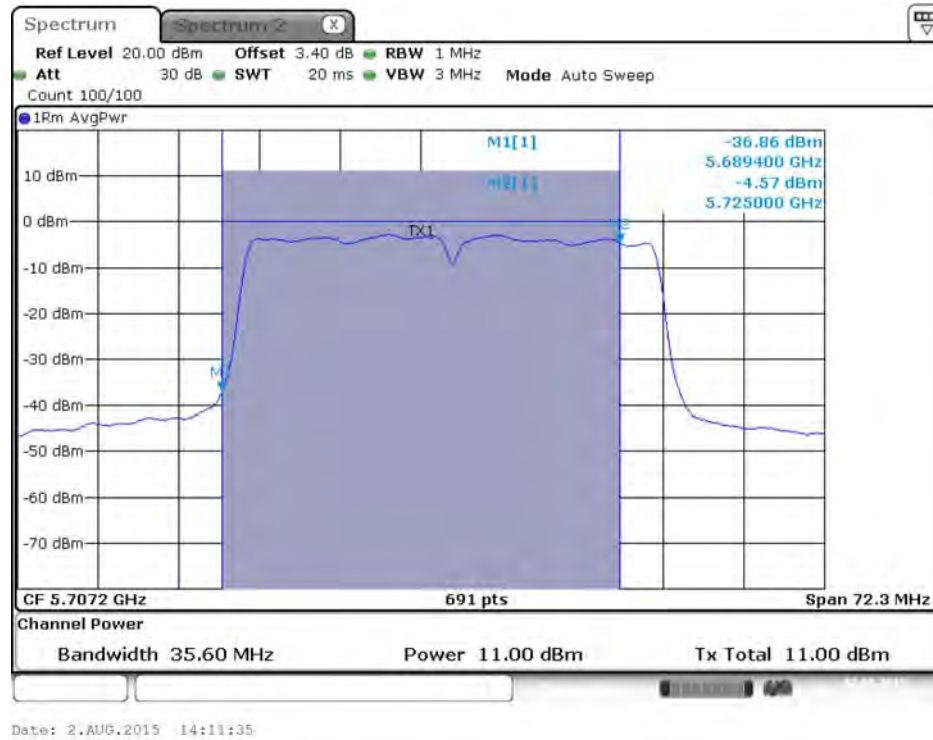
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



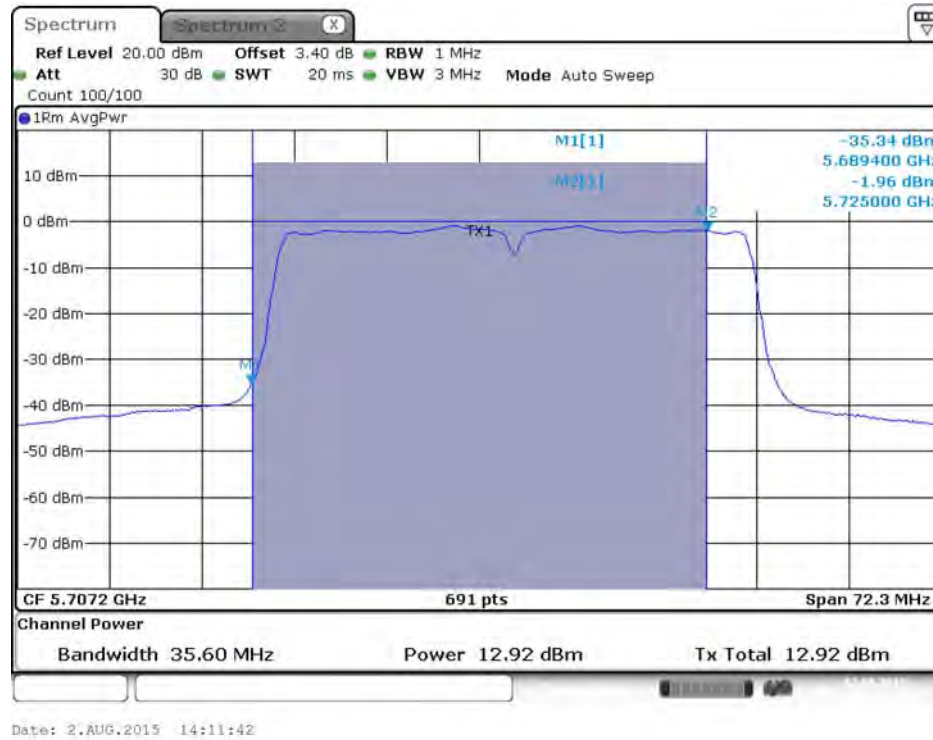
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



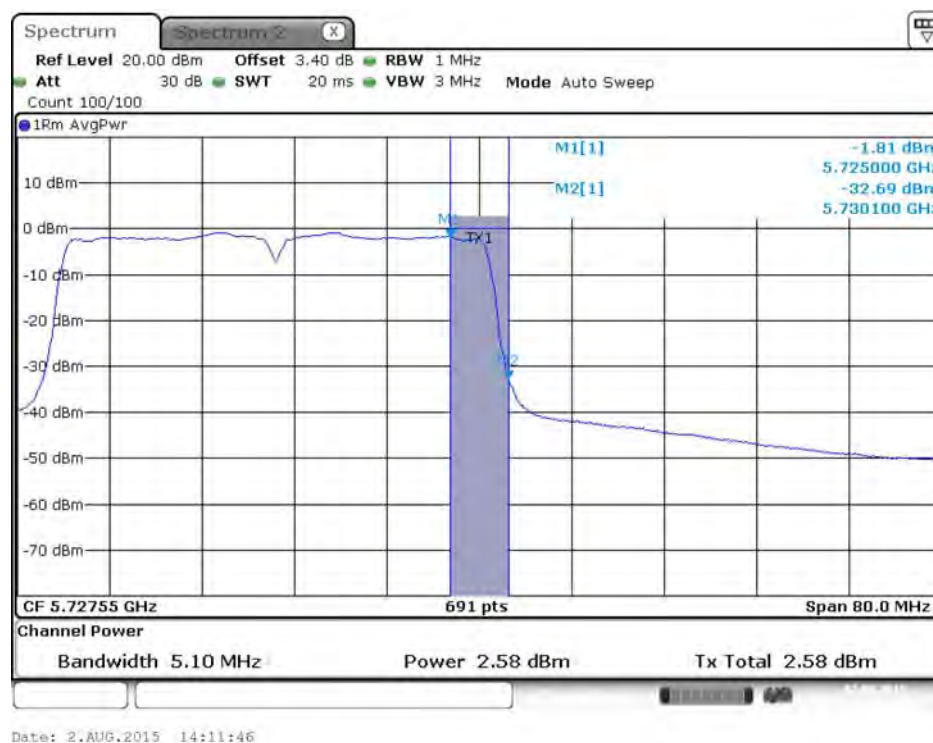
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



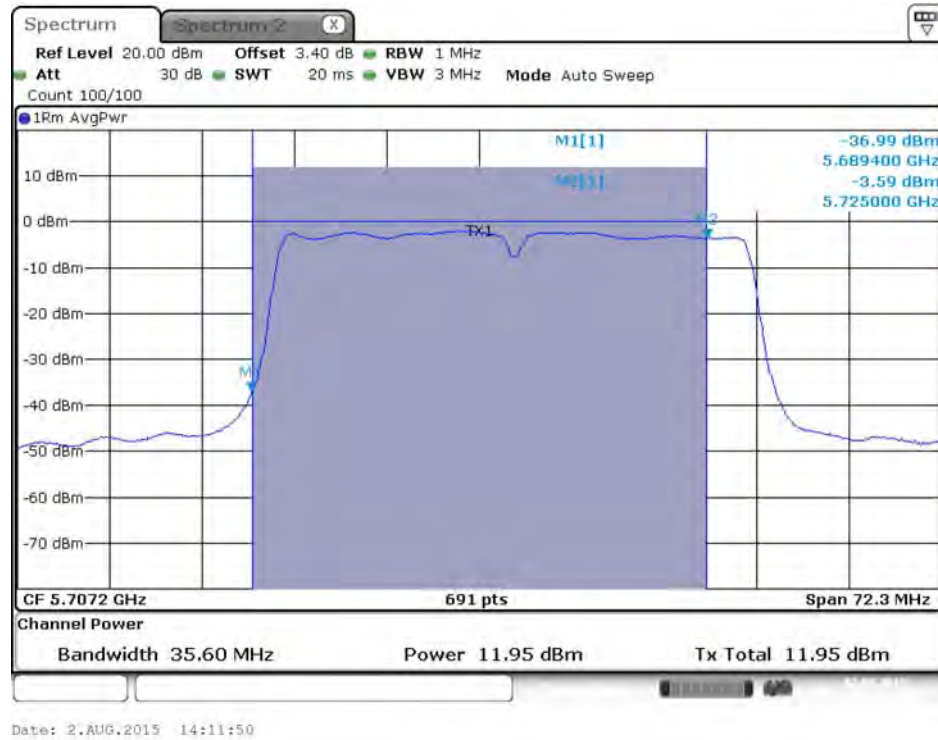
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



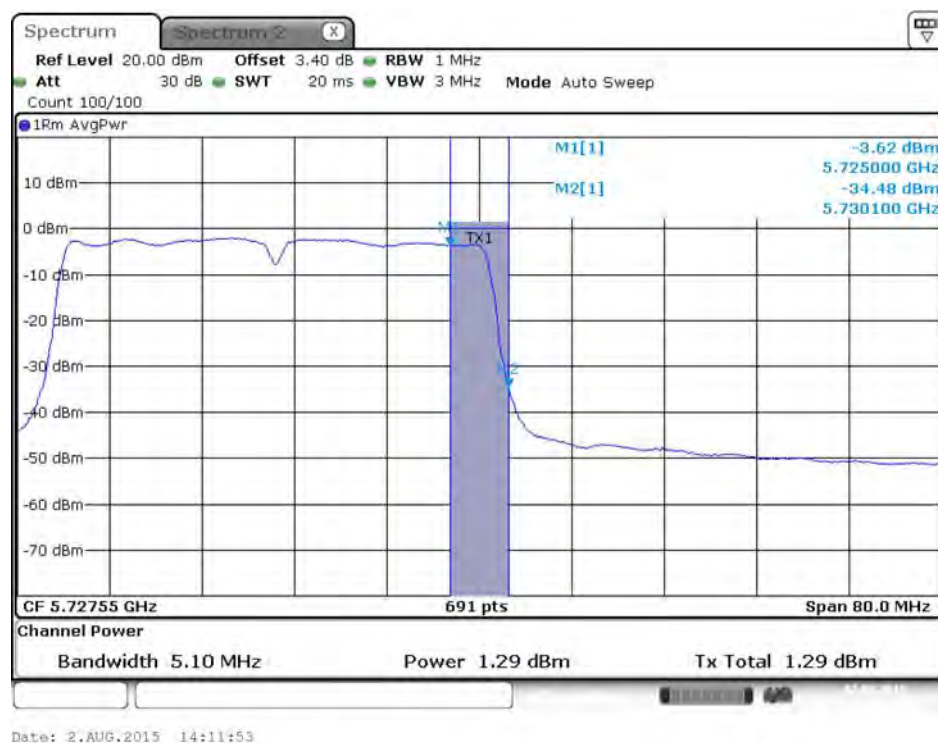
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



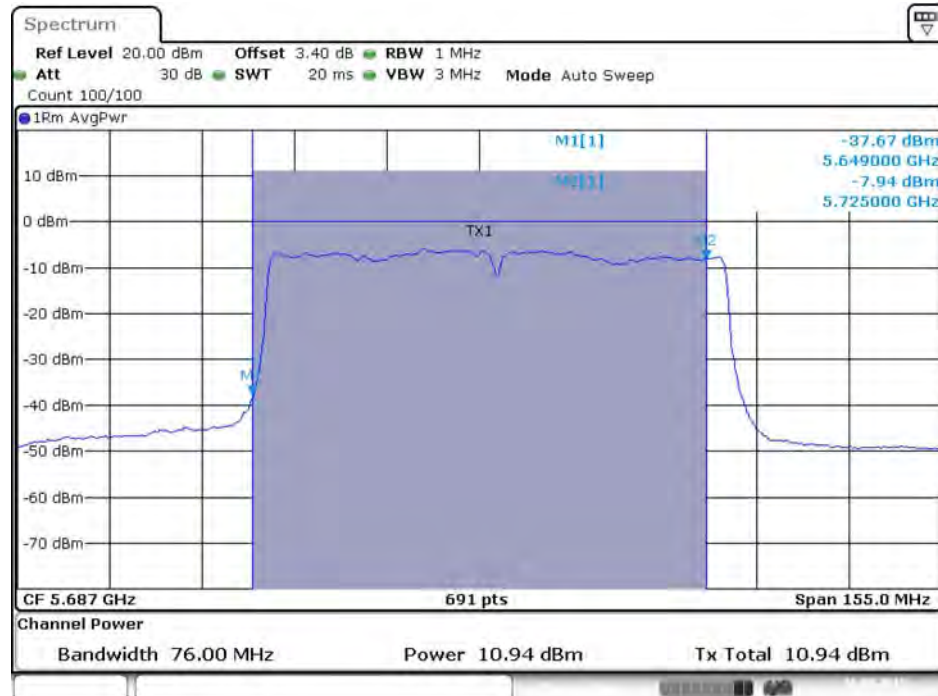
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)

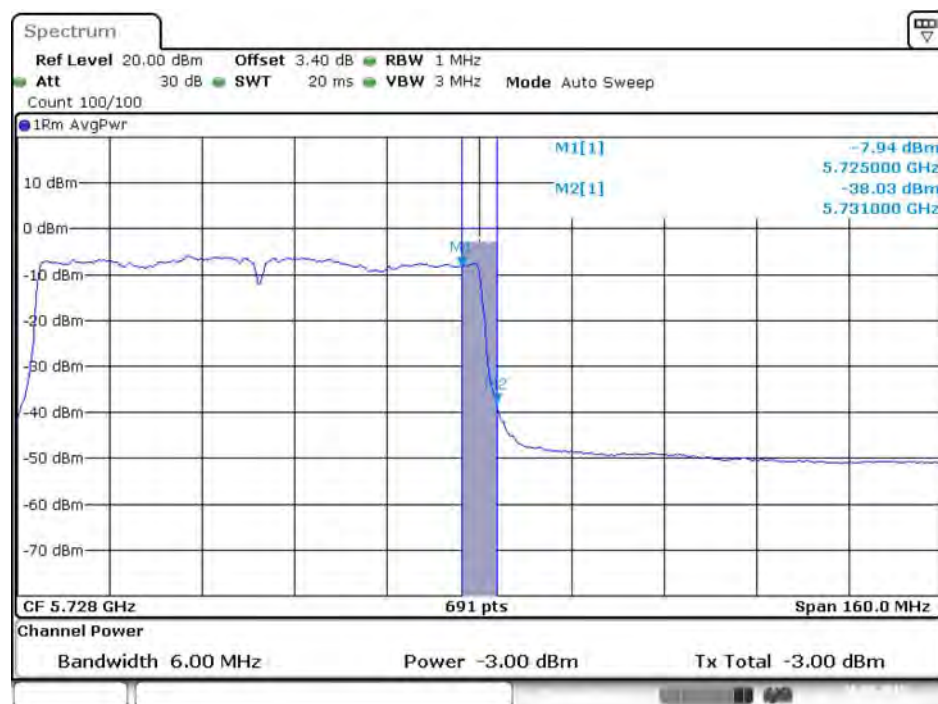


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



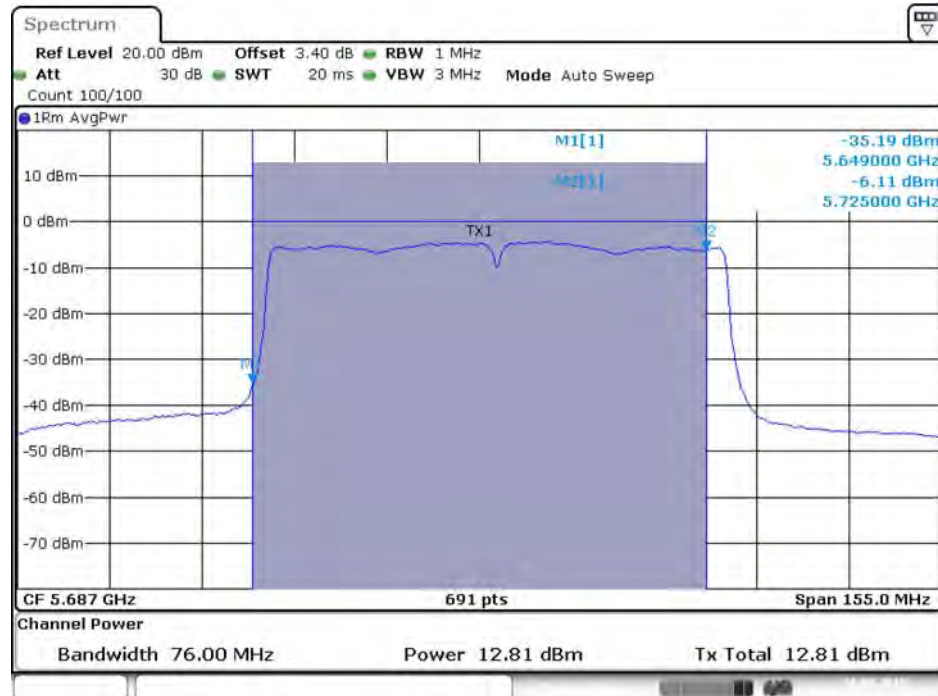
Date: 26.AUG.2015 11:32:51

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



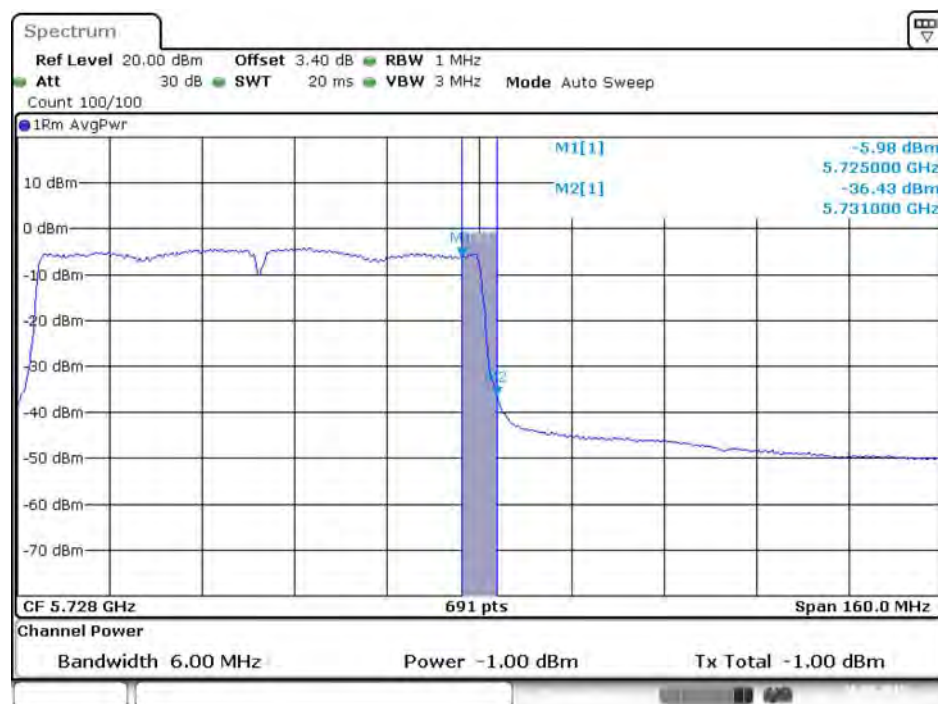
Date: 26.AUG.2015 11:32:54

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Date: 26.AUG.2015 11:32:58

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Date: 26.AUG.2015 11:33:01