Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 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	29.60	Complies
	5200 MHz	21.22	21.68	24.47	29.60	Complies
	5240 MHz	19.34	19.93	22.66	29.60	Complies
802.11n MCS0 HT20	5180 MHz	17.46	18.22	20.87	29.60	Complies
	5200 MHz	21.20	21.70	24.47	29.60	Complies
	5240 MHz	19.32	19.94	22.65	29.60	Complies
802.11n MCS0 HT40	5190 MHz	15.98	16.65	19.34	29.60	Complies
	5230 MHz	19.89	20.31	23.12	29.60	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	17.48	18.12	20.82	29.60	Complies
	5200 MHz	21.24	21.69	24.48	29.60	Complies
	5240 MHz	19.41	19.95	22.70	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	15.99	16.69	19.36	29.60	Complies
	5230 MHz	19.98	20.36	23.18	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	14.86	16.35	18.68	29.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

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)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 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)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 3 (Ant. 9 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 3 (Ant. 9 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	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5180 MHz	15.22	29.60	Complies
	5200 MHz	15.26	29.60	Complies
	5240 MHz	15.15	29.60	Complies
802.11n MCS0 HT20	5180 MHz	15.23	29.60	Complies
	5200 MHz	15.25	29.60	Complies
	5240 MHz	15.18	29.60	Complies
802.11n MCS0 HT40	5190 MHz	15.22	29.60	Complies
	5230 MHz	15.13	29.60	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	15.25	29.60	Complies
	5200 MHz	15.27	29.60	Complies
	5240 MHz	15.19	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	15.20	29.60	Complies
	5230 MHz	15.11	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.31	29.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	11.49	12.55	15.06	29.60	Complies
	5200 MHz	11.63	12.81	15.27	29.60	Complies
	5240 MHz	11.57	12.55	15.10	29.60	Complies
802.11n MCS0 HT20	5180 MHz	11.51	12.56	15.08	29.60	Complies
	5200 MHz	11.61	12.83	15.27	29.60	Complies
	5240 MHz	11.58	12.58	15.12	29.60	Complies
802.11n MCS0 HT40	5190 MHz	11.82	12.55	15.21	29.60	Complies
	5230 MHz	11.74	12.54	15.17	29.60	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	11.48	12.55	15.06	29.60	Complies
	5200 MHz	11.58	12.81	15.25	29.60	Complies
	5240 MHz	11.54	12.44	15.02	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	11.80	12.56	15.21	29.60	Complies
	5230 MHz	11.70	12.55	15.16	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	11.53	12.91	15.28	29.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

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)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 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 3 (Ant. 9 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 3 (Ant. 9 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	Sep. 07, 2015
Test Mode	Mode 4 (Ant. 4 Panel antenna / 5.1dBi / 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 4 (Ant. 4 Panel antenna / 5.1dBi / 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	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)		

For indoor / outdoor use

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5260 MHz	19.89	23.60	Complies
	5300 MHz	19.23	23.60	Complies
	5320 MHz	17.08	23.60	Complies
	5500 MHz	18.40	23.60	Complies
	5580 MHz	19.81	23.60	Complies
	5700 MHz	15.10	23.60	Complies
	5745 MHz	14.52	29.60	Complies
	5785 MHz	21.34	29.60	Complies
	5825 MHz	16.04	29.60	Complies
802.11n MCS0 HT20	5260 MHz	19.97	23.60	Complies
	5300 MHz	19.24	23.60	Complies
	5320 MHz	17.08	23.60	Complies
	5500 MHz	18.44	23.60	Complies
	5580 MHz	19.88	23.60	Complies
	5700 MHz	15.03	23.60	Complies
	5745 MHz	15.50	29.60	Complies
	5785 MHz	21.33	29.60	Complies
	5825 MHz	15.86	29.60	Complies
802.11n MCS0 HT40	5270 MHz	20.16	23.60	Complies
	5310 MHz	14.62	23.60	Complies
	5510 MHz	16.51	23.60	Complies
	5550 MHz	19.06	23.60	Complies
	5670 MHz	16.23	23.60	Complies
	5755 MHz	13.74	29.60	Complies
	5795 MHz	15.35	29.60	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	20.07	23.60	Complies
	5300 MHz	19.26	23.60	Complies
	5320 MHz	17.09	23.60	Complies
	5500 MHz	18.45	23.60	Complies
	5580 MHz	19.82	23.60	Complies
	5700 MHz	15.05	23.60	Complies
	5745 MHz	14.51	29.60	Complies
	5785 MHz	21.39	29.60	Complies
	5825 MHz	15.88	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	20.22	23.60	Complies
	5310 MHz	14.66	23.60	Complies
	5510 MHz	16.48	23.60	Complies
	5550 MHz	19.07	23.60	Complies
	5670 MHz	16.24	23.60	Complies
	5755 MHz	13.74	29.60	Complies
	5795 MHz	15.36	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.88	23.60	Complies
	5530 MHz	15.20	23.60	Complies
	5610 MHz	16.33	23.60	Complies
	5775 MHz	13.59	29.60	Complies

Note1: Antenna gain=6.40dBi >6dBi, so the B2 B3 limit 24-(6.40-6)=23.60dBm.

Note2: Antenna gain=6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)	Max. Limit (dBm)	Result
		Chain 2		
802.11a	5720 MHz (UNII 2C)	18.17	23.60	Complies
	5720 MHz (UNII 3)	12.55	29.60	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	18.20	23.60	Complies
	5720 MHz (UNII 3)	12.56	29.60	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	18.53	23.60	Complies
	5710 MHz (UNII 3)	8.39	29.60	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	18.20	23.60	Complies
	5720 MHz (UNII 3)	12.56	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	18.53	23.60	Complies
	5710 MHz (UNII 3)	8.39	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	18.12	23.60	Complies
	5690 MHz (UNII 3)	4.21	29.60	Complies

Note1: Antenna gain=6.40dBi >6dBi, so the limit 24-(6.40-6)=23.60dBm.

Note2: Antenna gain=6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	17.12	18.40	20.82	23.60	Complies
	5300 MHz	17.11	17.34	20.24	23.60	Complies
	5320 MHz	16.32	17.77	20.12	23.60	Complies
	5500 MHz	17.57	18.78	21.23	23.60	Complies
	5580 MHz	17.22	18.22	20.76	23.60	Complies
	5700 MHz	14.13	15.83	18.07	23.60	Complies
	5745 MHz	12.90	15.02	17.10	29.60	Complies
	5785 MHz	18.86	20.36	22.68	29.60	Complies
	5825 MHz	13.33	14.99	17.25	29.60	Complies
802.11n MCS0 HT20	5260 MHz	17.10	18.34	20.77	23.60	Complies
	5300 MHz	17.08	18.39	20.79	23.60	Complies
	5320 MHz	16.34	17.75	20.11	23.60	Complies
	5500 MHz	17.59	18.80	21.25	23.60	Complies
	5580 MHz	17.28	18.22	20.79	23.60	Complies
	5700 MHz	14.01	15.88	18.06	23.60	Complies
	5745 MHz	12.81	14.89	16.98	29.60	Complies
	5785 MHz	18.89	20.45	22.75	29.60	Complies
	5825 MHz	13.43	15.16	17.39	29.60	Complies
802.11n MCS0 HT40	5270 MHz	19.45	19.71	22.59	23.60	Complies
	5310 MHz	13.26	14.55	16.96	23.60	Complies
	5510 MHz	14.37	16.37	18.49	23.60	Complies
	5550 MHz	17.81	18.99	21.45	23.60	Complies
	5670 MHz	15.40	16.23	18.85	23.60	Complies
	5755 MHz	12.50	14.11	16.39	29.60	Complies
	5795 MHz	13.61	15.18	17.48	29.60	Complies

802.11ac MCS0/Nss1 VHT20	5260 MHz	17.07	18.36	20.77	23.60	Complies
	5300 MHz	17.10	18.43	20.83	23.60	Complies
	5320 MHz	16.37	17.71	20.10	23.60	Complies
	5500 MHz	17.58	18.79	21.24	23.60	Complies
	5580 MHz	17.26	18.28	20.81	23.60	Complies
	5700 MHz	13.89	15.84	17.98	23.60	Complies
	5745 MHz	12.81	15.02	17.06	29.60	Complies
	5785 MHz	18.89	20.45	22.75	29.60	Complies
	5825 MHz	13.43	15.16	17.39	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	19.45	19.75	22.61	23.60	Complies
	5310 MHz	13.22	14.65	17.00	23.60	Complies
	5510 MHz	14.46	16.35	18.52	23.60	Complies
	5550 MHz	17.85	19.03	21.49	23.60	Complies
	5670 MHz	15.42	16.20	18.84	23.60	Complies
	5755 MHz	12.42	14.16	16.39	29.60	Complies
	5795 MHz	13.62	15.15	17.46	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.25	13.91	16.17	23.60	Complies
	5530 MHz	14.01	15.91	18.07	23.60	Complies
	5610 MHz	15.93	17.73	19.93	23.60	Complies
	5775 MHz	11.32	13.59	15.61	29.60	Complies

Note1: Antenna gain=6.40dBi >6dBi, so the B2 B3 limit 24-(6.40-6)=23.60dBm.

Note2: Antenna gain=6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	14.98	16.76	18.97	23.60	Complies
	5720 MHz (UNII 3)	8.81	11.16	13.15	29.60	Complies
802.11n MCS0 HT20	5720 MHz (UNII 2C)	14.98	16.76	18.97	23.60	Complies
	5720 MHz (UNII 3)	8.81	11.16	13.15	29.60	Complies
802.11n MCS0 HT40	5710 MHz (UNII 2C)	18.42	19.71	22.12	23.60	Complies
	5710 MHz (UNII 3)	7.50	9.68	11.74	29.60	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	14.94	16.68	18.91	23.60	Complies
	5720 MHz (UNII 3)	8.82	11.10	13.12	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	18.42	19.71	22.12	23.60	Complies
	5710 MHz (UNII 3)	7.50	9.68	11.74	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	16.55	18.40	20.58	23.60	Complies
	5690 MHz (UNII 3)	1.53	4.35	6.18	29.60	Complies

Note1: Antenna gain=6.40dBi >6dBi, so the limit 24-(6.40-6)=23.60dBm.

Note2: Antenna gain=6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

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)=19.30dBm.

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

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)=19.30dBm.

Note2: Antenna gain=10.70dBi >6dBi, so the 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 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)=19.30dBm.

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

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)=19.30dBm.

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)=25.30dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 3 (Ant. 9 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 3 (Ant. 9 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.

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	16.11	16.89	19.53	26.59	Complies
	5200 MHz	21.44	21.60	24.53	26.59	Complies
	5240 MHz	19.34	19.93	22.66	26.59	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	16.12	16.97	19.58	26.59	Complies
	5200 MHz	21.49	21.64	24.58	26.59	Complies
	5240 MHz	19.41	19.95	22.70	26.59	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.84	17.44	20.16	26.59	Complies
	5230 MHz	20.89	21.35	24.14	26.59	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.42	16.64	19.08	26.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 30-(9.41-6)=26.59dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >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 3 (Ant. 9 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 30-(8.41-6)=27.59dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5180 MHz	8.55	9.81	12.24	26.59	Complies
	5200 MHz	8.54	9.86	12.26	26.59	Complies
	5240 MHz	8.89	9.45	12.19	26.59	Complies
802.11ac MCS0/Nss1 VHT20	5180 MHz	8.52	9.87	12.26	26.59	Complies
	5200 MHz	8.57	9.88	12.28	26.59	Complies
	5240 MHz	8.94	9.50	12.24	26.59	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	8.11	9.69	11.98	26.59	Complies
	5230 MHz	8.27	10.01	12.24	26.59	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	8.55	9.55	12.09	26.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 30-(9.41-6)=26.59dBm.

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 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
802.11ac 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: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >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 3 (Ant. 9 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 30-(8.41-6)=27.59dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 4 (Ant. 4 Panel antenna / 5.1dBi / 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 30-(8.11-6)=27.89dBm.

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Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor / outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5260 MHz	16.56	18.12	20.42	20.59	Complies
	5300 MHz	16.69	18.16	20.50	20.59	Complies
	5320 MHz	16.41	17.44	19.97	20.59	Complies
	5500 MHz	16.42	18.39	20.53	20.59	Complies
	5580 MHz	16.85	18.17	20.57	20.59	Complies
	5700 MHz	12.59	13.71	16.20	20.59	Complies
	5745 MHz	12.22	14.02	16.22	26.59	Complies
	5785 MHz	17.47	19.17	21.41	26.59	Complies
	5825 MHz	12.91	14.47	16.77	26.59	Complies
802.11ac MCS0/Nss1 VHT20	5260 MHz	16.64	18.11	20.45	20.59	Complies
	5300 MHz	16.85	18.18	20.58	20.59	Complies
	5320 MHz	16.40	17.47	19.98	20.59	Complies
	5500 MHz	16.46	18.44	20.57	20.59	Complies
	5580 MHz	16.84	18.17	20.57	20.59	Complies
	5700 MHz	12.63	13.77	16.25	20.59	Complies
	5745 MHz	12.26	14.03	16.24	26.59	Complies
	5785 MHz	17.54	19.19	21.45	26.59	Complies
	5825 MHz	13.10	14.53	16.88	26.59	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	16.82	18.13	20.53	20.59	Complies
	5310 MHz	12.87	14.09	16.53	20.59	Complies
	5510 MHz	14.29	15.63	18.02	20.59	Complies
	5550 MHz	16.91	18.11	20.56	20.59	Complies
	5670 MHz	15.15	16.18	18.71	20.59	Complies
	5755 MHz	11.91	13.89	16.02	26.59	Complies
	5795 MHz	13.96	15.46	17.78	26.59	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.25	13.91	16.17	20.59	Complies
	5530 MHz	14.59	16.37	18.58	20.59	Complies
	5610 MHz	15.15	16.57	18.93	20.59	Complies
	5775 MHz	11.32	13.59	15.61	26.59	Complies

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 24-(9.41-6)=20.59dBm.

Note2: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11a	5720 MHz (UNII 2C)	14.93	16.71	18.92	20.59	Complies
	5720 MHz (UNII 3)	8.80	11.12	13.12	26.59	Complies
802.11ac MCS0/Nss1 VHT20	5720 MHz (UNII 2C)	15.03	16.70	18.96	20.59	Complies
	5720 MHz (UNII 3)	8.92	11.11	13.16	26.59	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	16.37	17.77	20.14	20.59	Complies
	5710 MHz (UNII 3)	5.34	7.58	9.61	26.59	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	15.39	17.19	19.39	20.59	Complies
	5690 MHz (UNII 3)	0.39	3.15	5.00	26.59	Complies

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 24-(9.41-6)=20.59dBm.

Note2: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 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	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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 24-(10.70-6)=19.30dBm.

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

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

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

(UNII 3)

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the 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 3 (Ant. 9 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 24-(8.41-6)=21.59dBm.

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

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

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

<For STBC Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 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	17.06	17.83	20.47	29.60	Complies
	5200 MHz	21.33	21.67	24.51	29.60	Complies
	5240 MHz	20.59	21.02	23.82	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	16.66	17.29	20.00	29.60	Complies
	5230 MHz	20.97	21.41	24.21	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	15.47	16.89	19.25	29.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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 gai=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 3 (Ant. 9 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	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For outdoor use

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac MCS0/Nss1 VHT20	5180 MHz	11.70	12.53	15.15	29.60	Complies
	5200 MHz	11.69	12.80	15.29	29.60	Complies
	5240 MHz	11.66	12.77	15.26	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5190 MHz	11.79	12.56	15.20	29.60	Complies
	5230 MHz	11.88	12.61	15.27	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5210 MHz	11.87	12.55	15.23	29.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >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 3 (Ant. 9 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =5.40dBi <6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang	Test Date	Sep. 07, 2015
Test Mode	Mode 4 (Ant. 4 Panel antenna / 5.1dBi / 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =5.10dBi <6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 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	20.11	20.99	23.58	23.60	Complies
	5300 MHz	19.10	20.32	22.76	23.60	Complies
	5320 MHz	16.53	17.75	20.19	23.60	Complies
	5500 MHz	16.58	18.50	20.66	23.60	Complies
	5580 MHz	19.66	20.73	23.24	23.60	Complies
	5700 MHz	13.85	15.28	17.63	23.60	Complies
	5745 MHz	12.95	15.10	17.17	29.60	Complies
	5785 MHz	19.05	20.55	22.87	29.60	Complies
	5825 MHz	13.45	15.09	17.36	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	19.42	20.17	22.82	23.60	Complies
	5310 MHz	13.54	15.33	17.54	23.60	Complies
	5510 MHz	15.03	16.82	19.03	23.60	Complies
	5550 MHz	17.58	18.82	21.25	23.60	Complies
	5670 MHz	15.33	16.06	18.72	23.60	Complies
	5755 MHz	12.93	14.75	16.94	29.60	Complies
	5795 MHz	14.91	16.34	18.69	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	12.85	14.93	17.02	23.60	Complies
	5530 MHz	14.11	16.05	18.20	23.60	Complies
	5610 MHz	15.32	16.69	19.07	23.60	Complies
	5775 MHz	12.83	15.36	17.29	29.60	Complies

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B2 B3 limit 24-(6.40-6)=23.60dBm.

Note2: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm.

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)	17.93	19.42	21.75	23.60	Complies
	5720 MHz (UNII 3)	11.90	13.81	15.97	29.60	Complies
802.11ac MCS0/Nss1 VHT40	5710 MHz (UNII 2C)	19.52	21.00	23.33	23.60	Complies
	5710 MHz (UNII 3)	8.80	11.21	13.18	29.60	Complies
802.11ac MCS0/Nss1 VHT80	5690 MHz (UNII 2C)	15.88	17.72	19.91	23.60	Complies
	5690 MHz (UNII 3)	0.89	3.62	5.48	29.60	Complies

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 24-(6.40-6)=23.60dBm.

Note2: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng	Test Date	Jul. 22, 2015 ~ Aug. 27, 2015
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

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

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

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

(UNII 3)

Note1: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the 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 3 (Ant. 9 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =5.40dBi <6dBi, so the limit doesn't reduce.

Straddle Channel

Mode	Frequency	Conducted Power (dBm)			Max. Limit (dBm)	Result
		Chain 1	Chain 2	Total		
802.11ac 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: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =5.40dBi <6dBi, so the limit doesn't reduce.

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

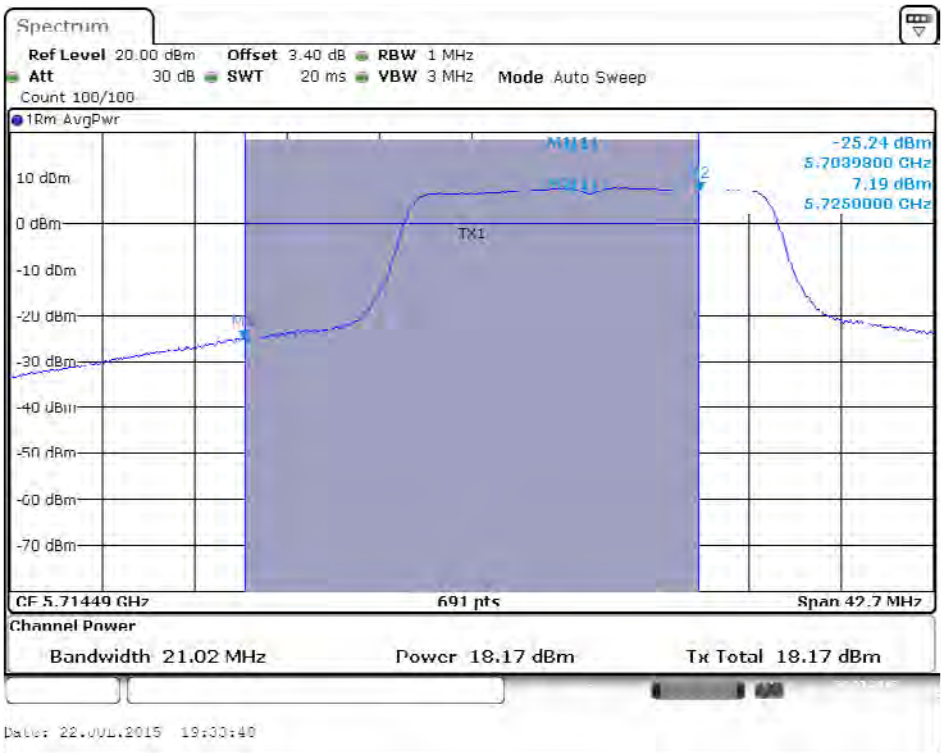
For plots, only the channel with worse result was shown.

<For Non-Beamforming Mode>

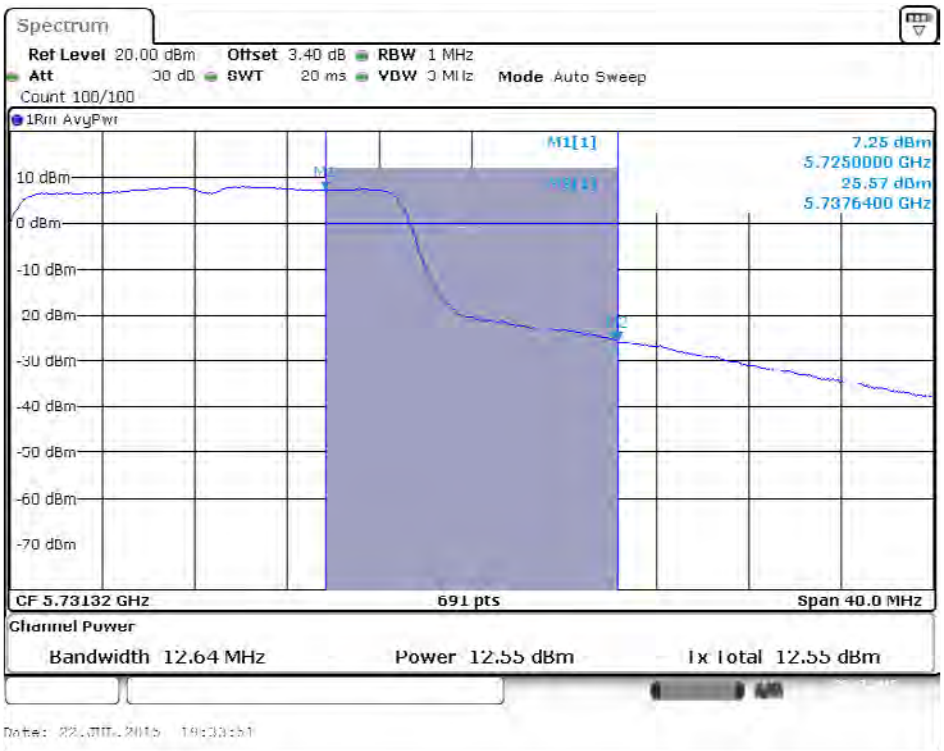
Straddle Channel: indoor / outdoor use

Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)

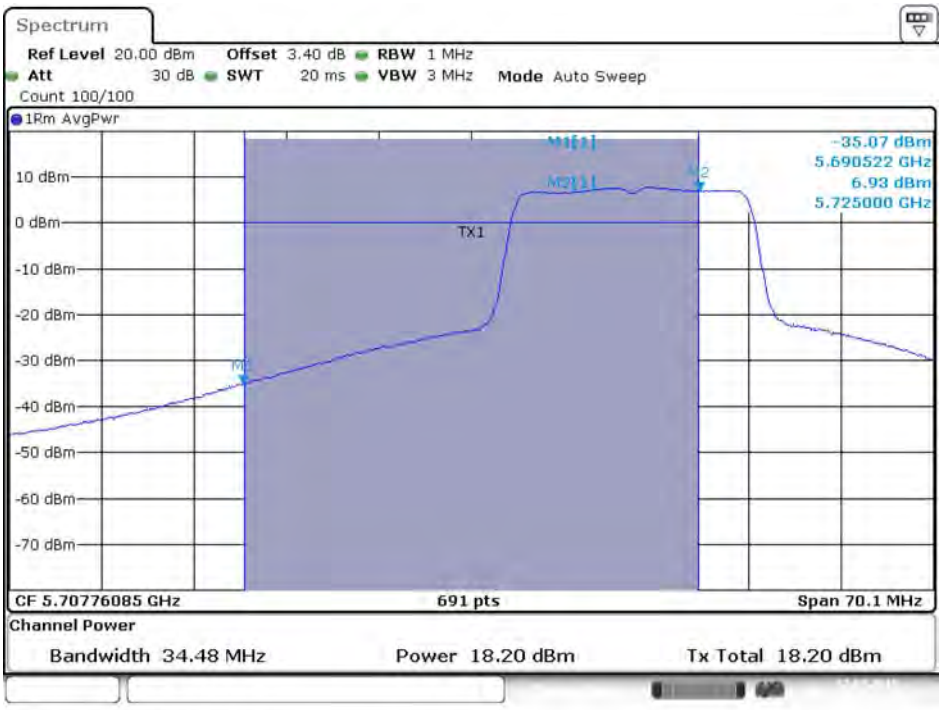
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



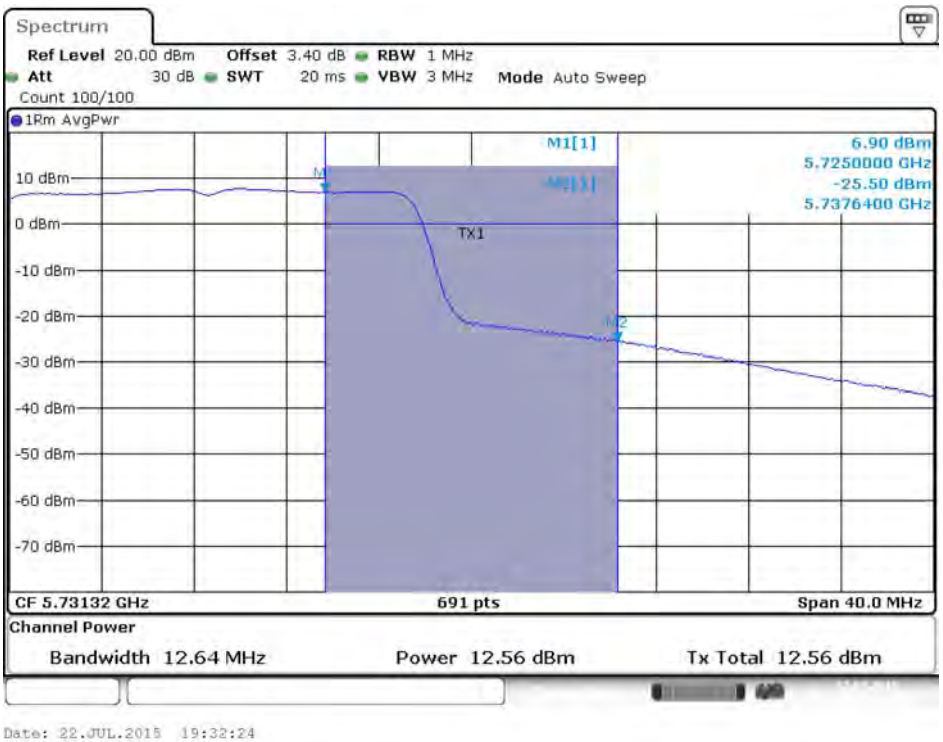
Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



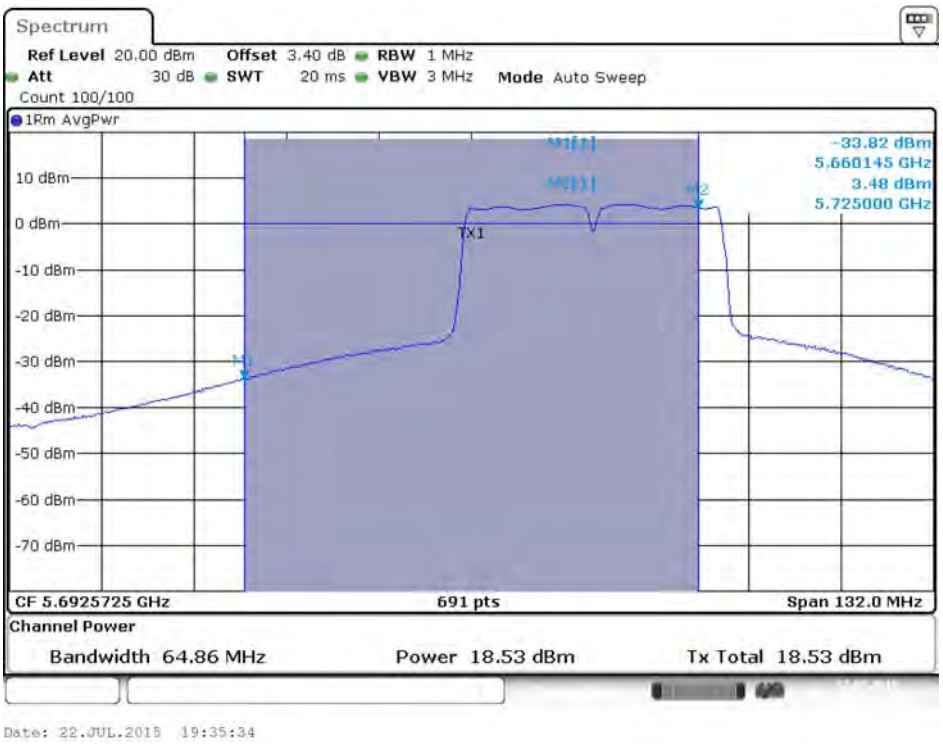
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



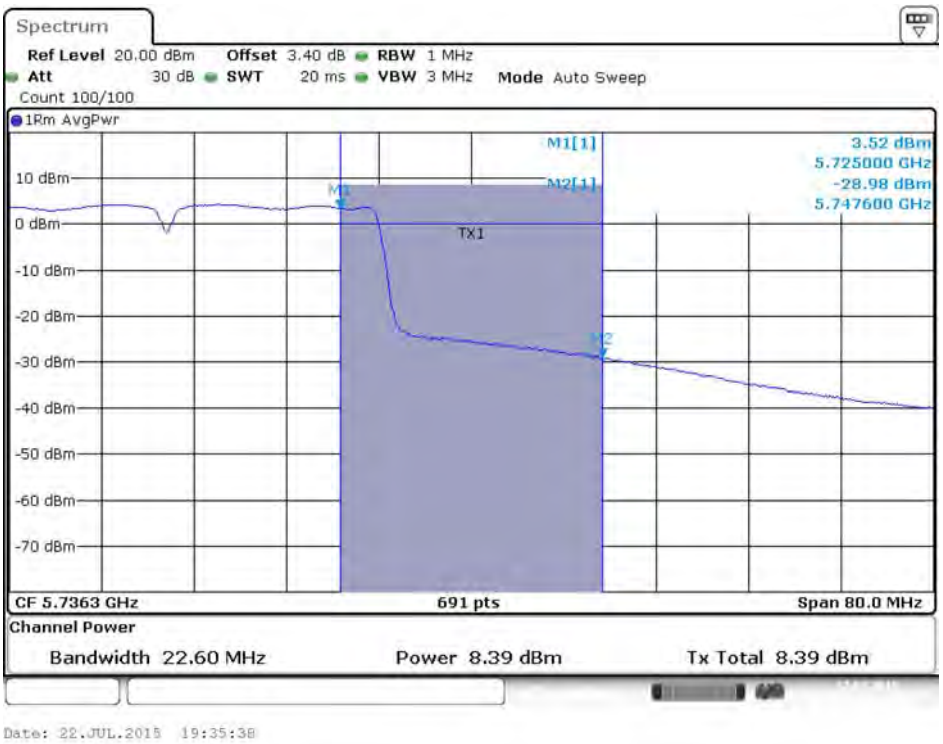
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



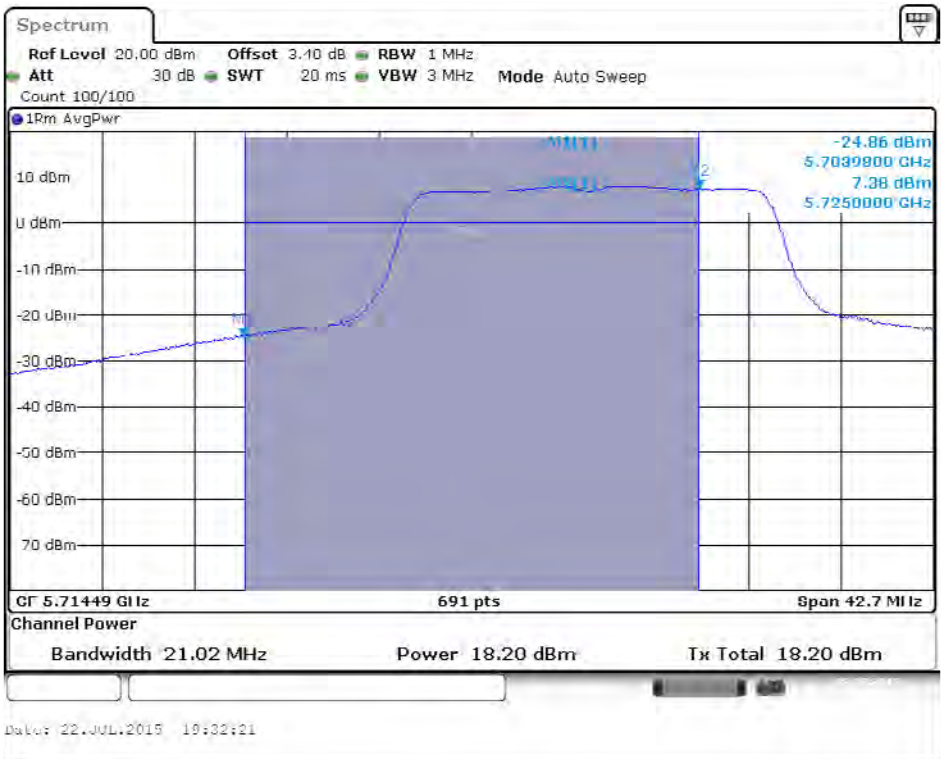
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)



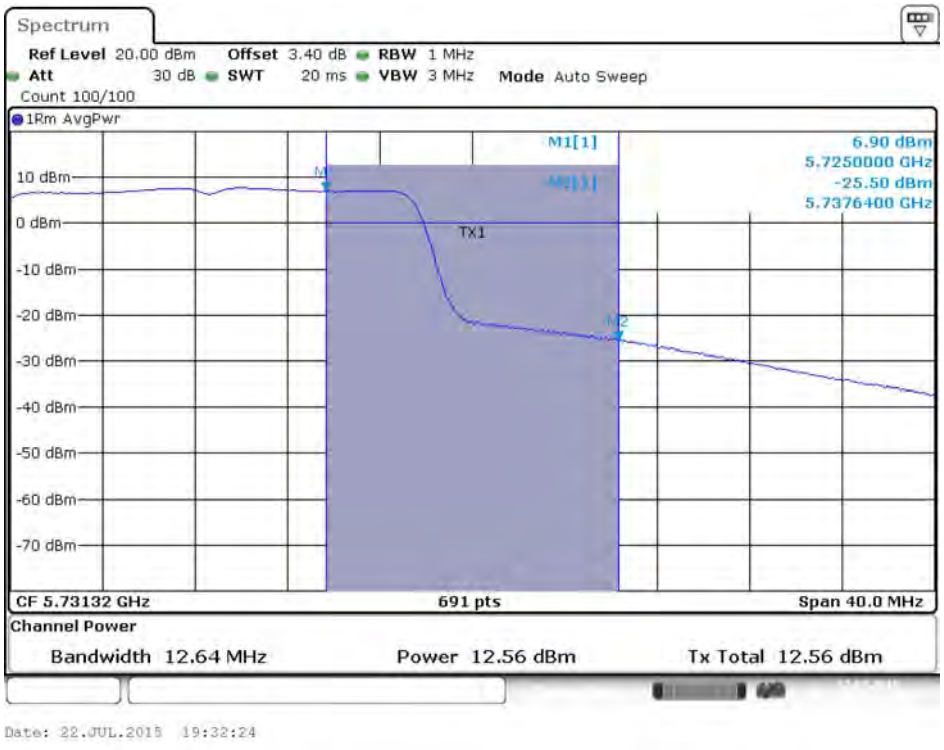
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



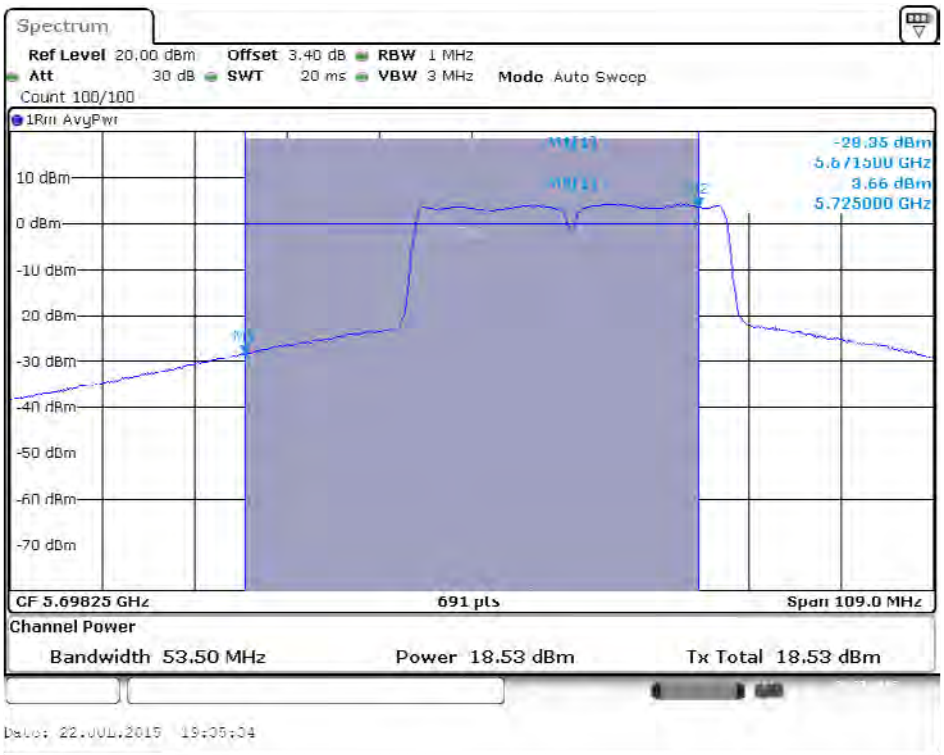
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



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

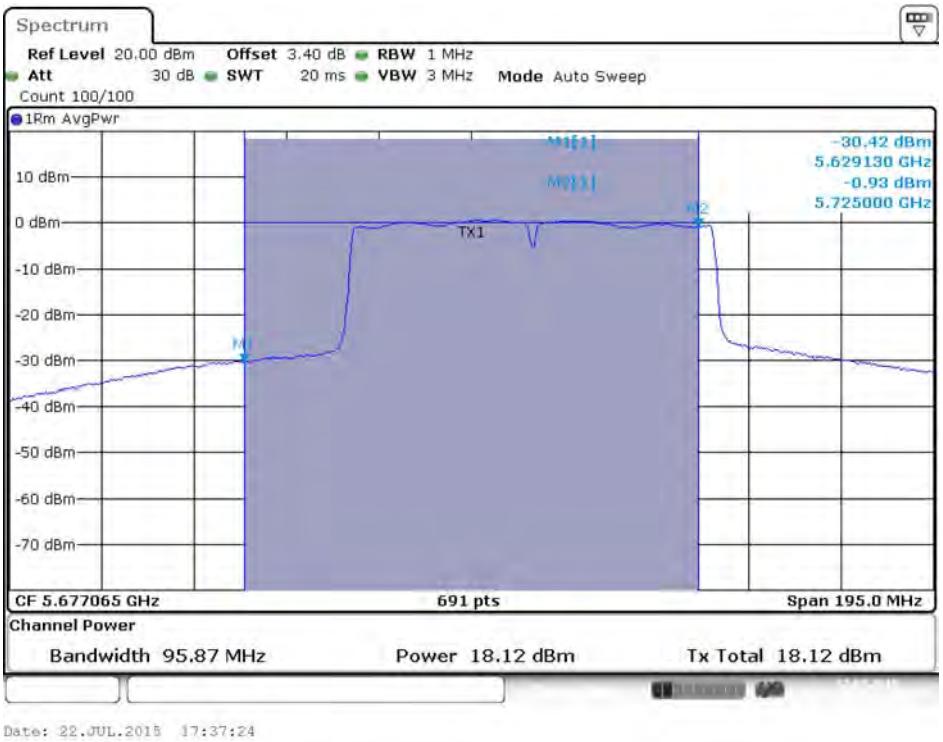


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)

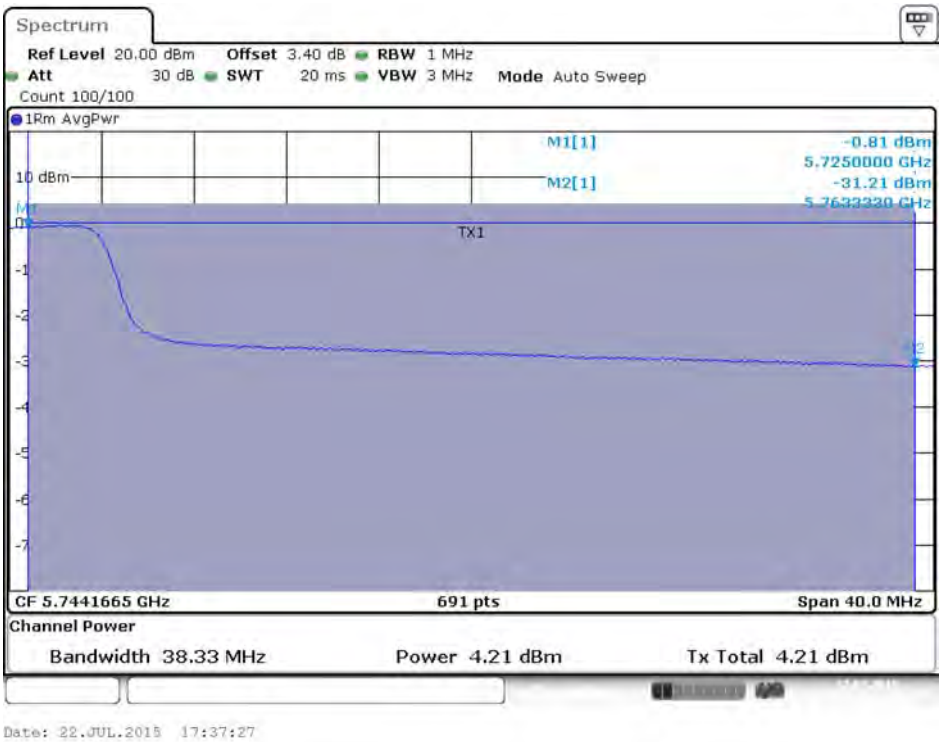


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)

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

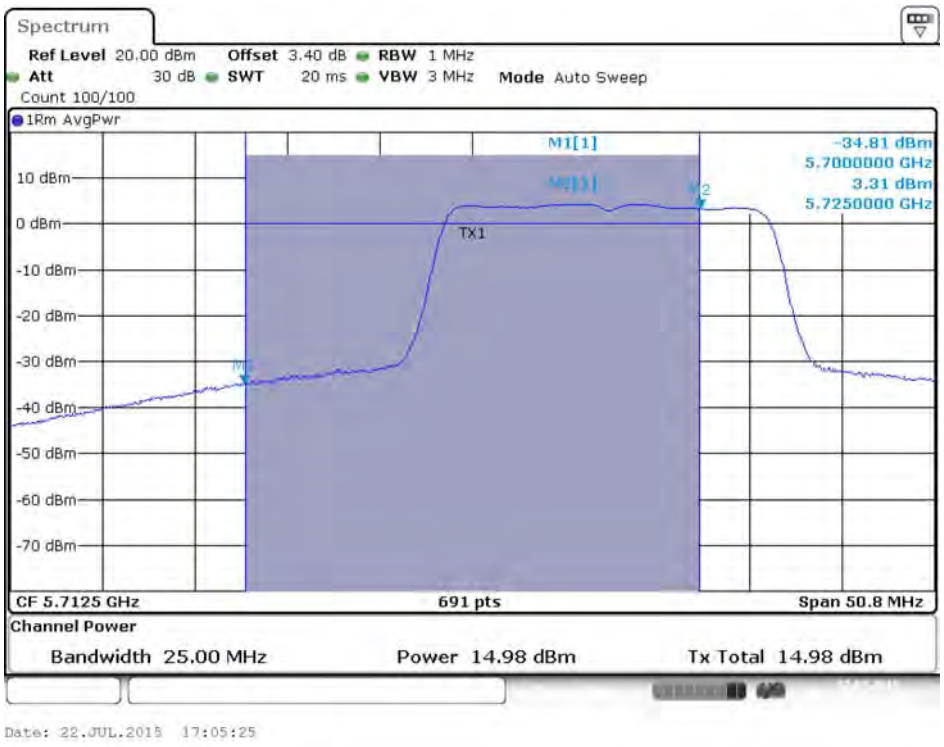


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

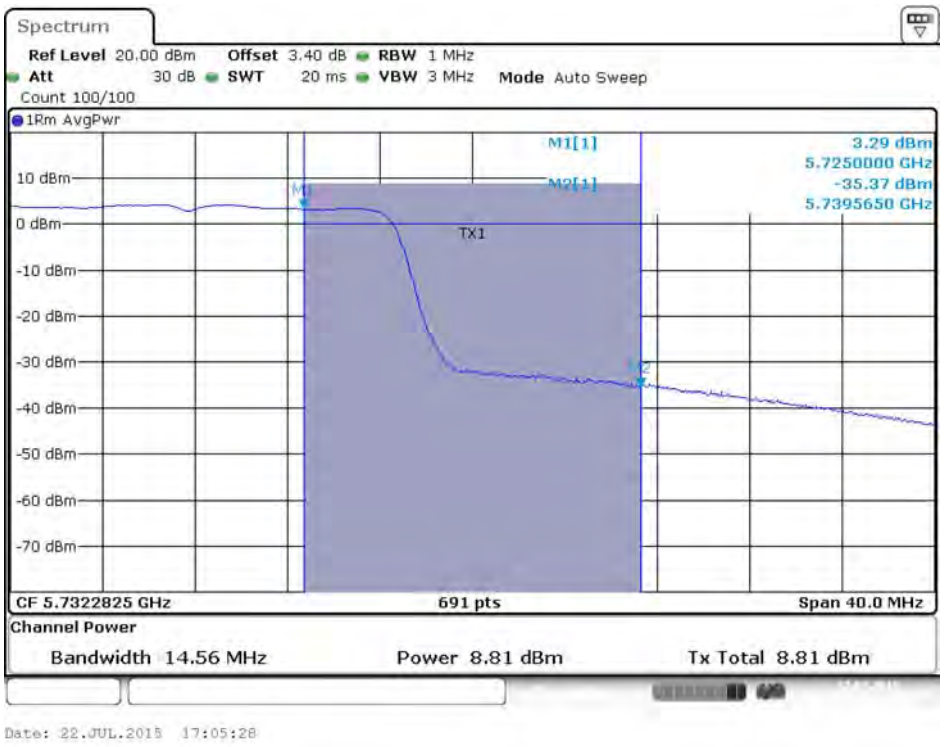


Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)

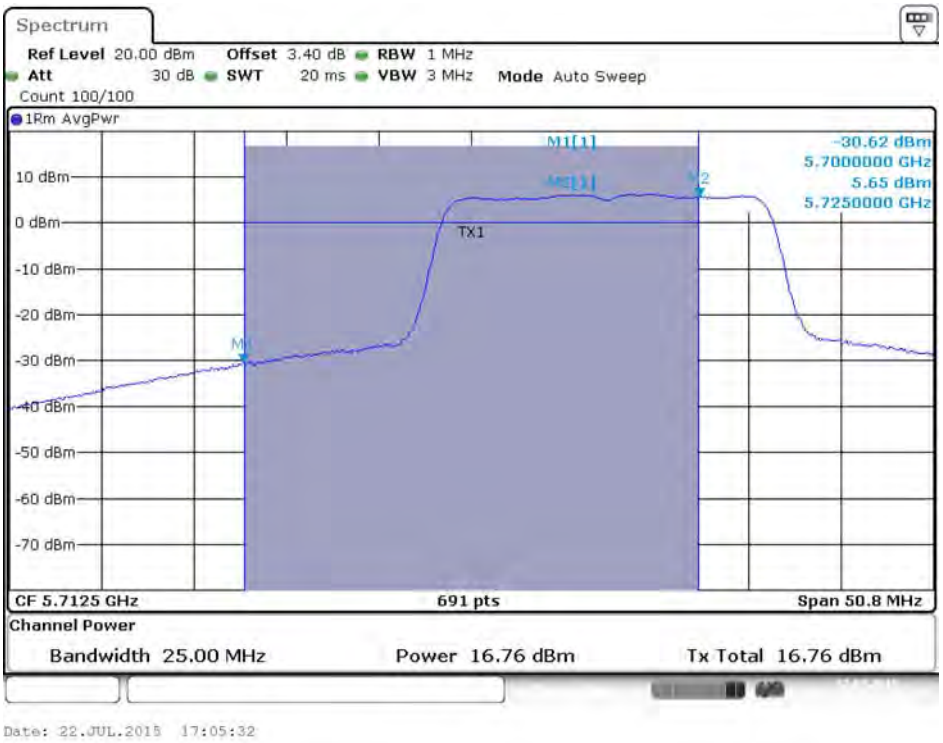
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

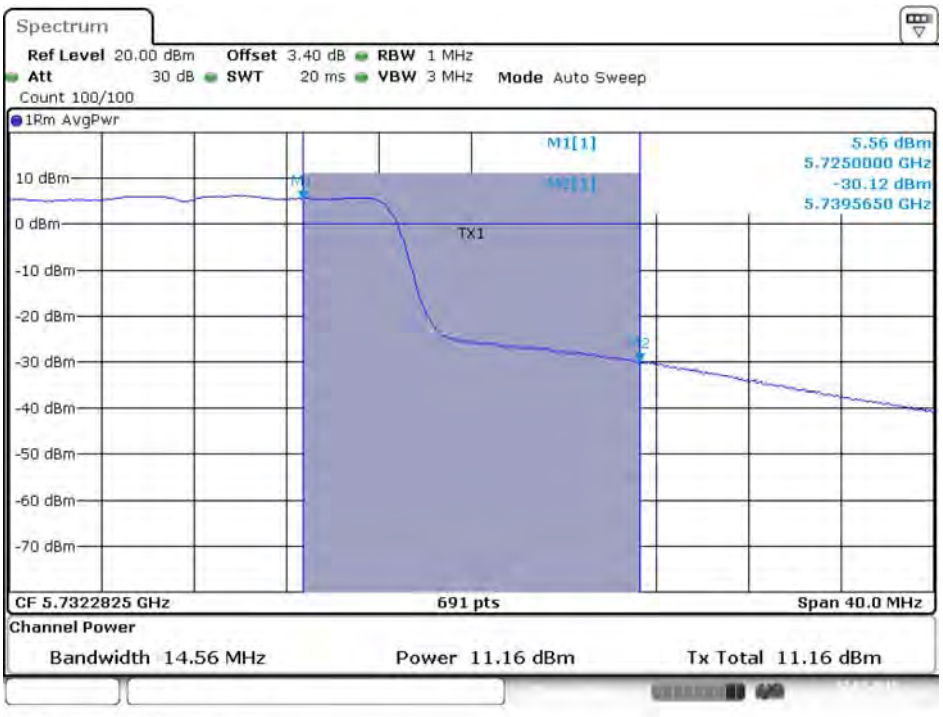


Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



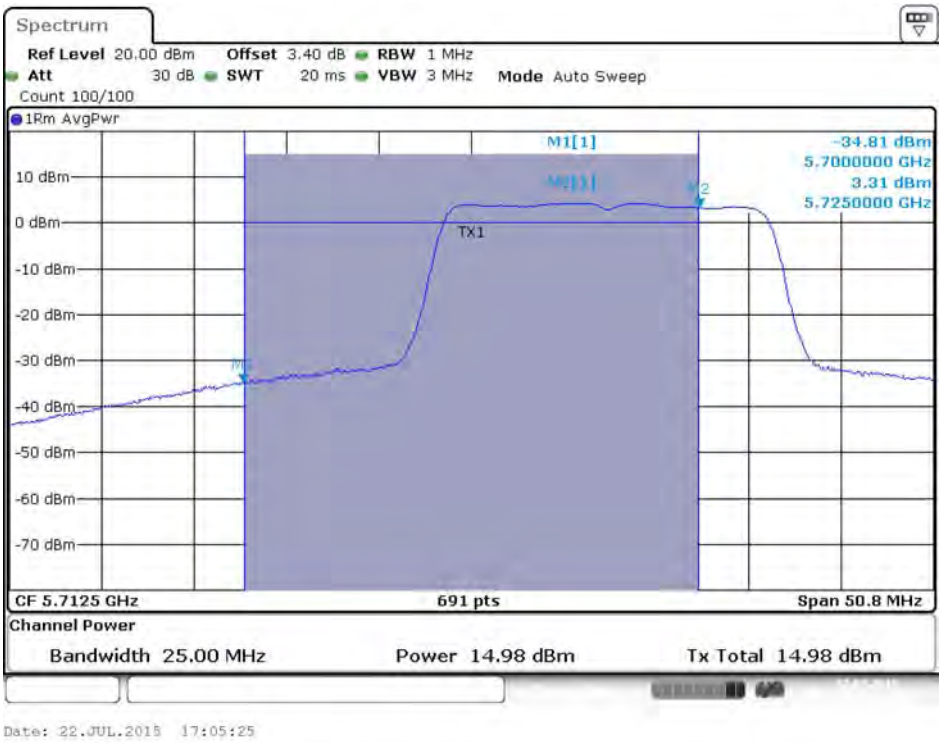
Date: 22.JUL.2015 17:05:32

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)

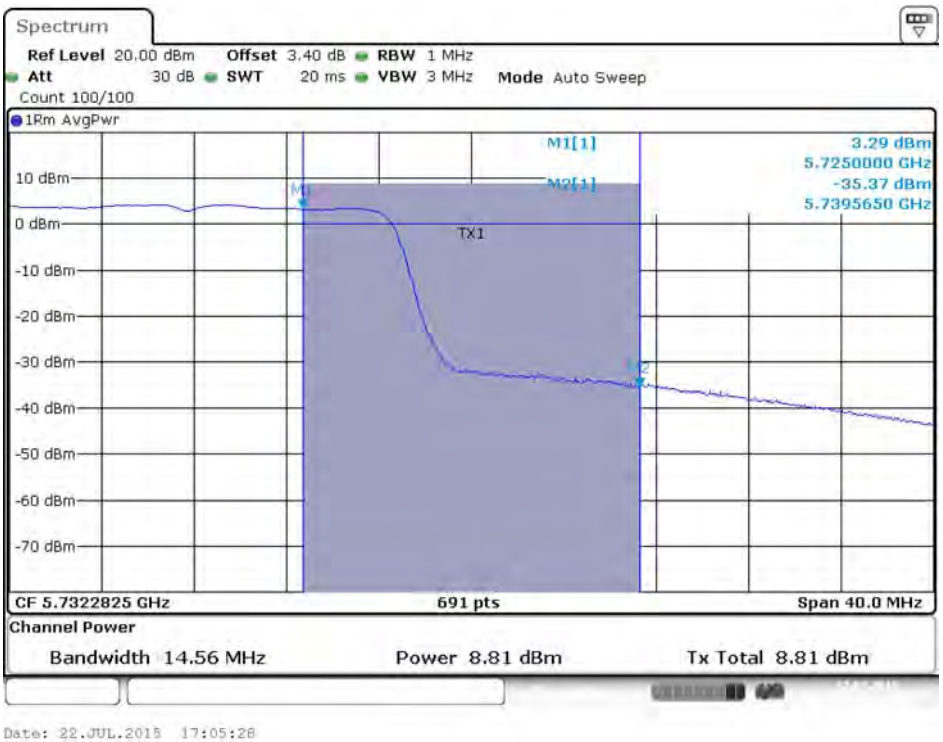


Date: 22.JUL.2015 17:05:36

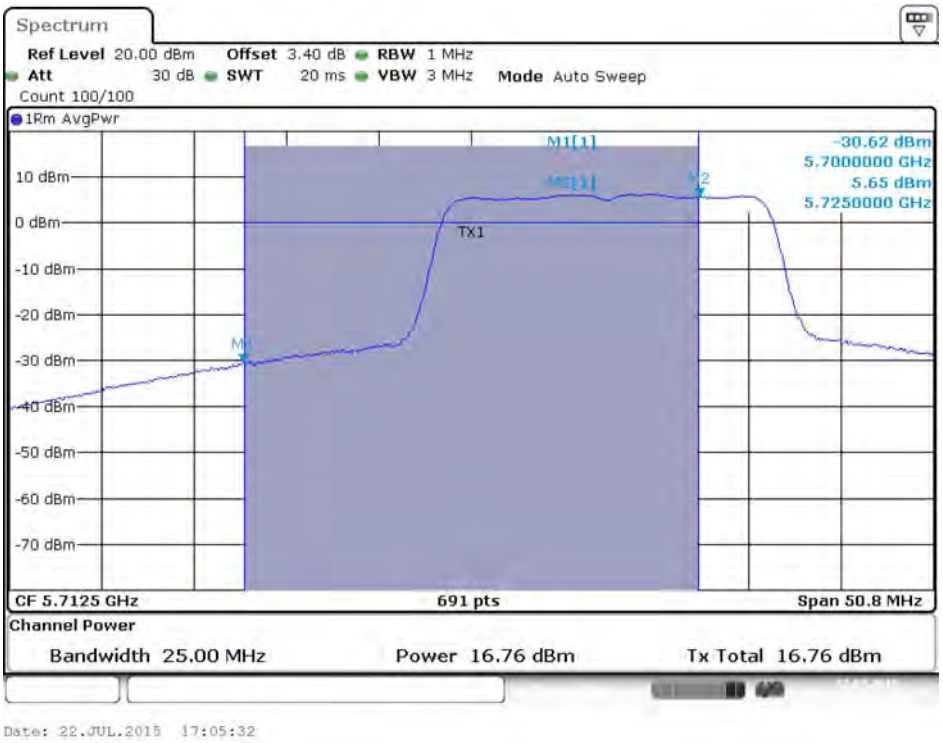
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



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

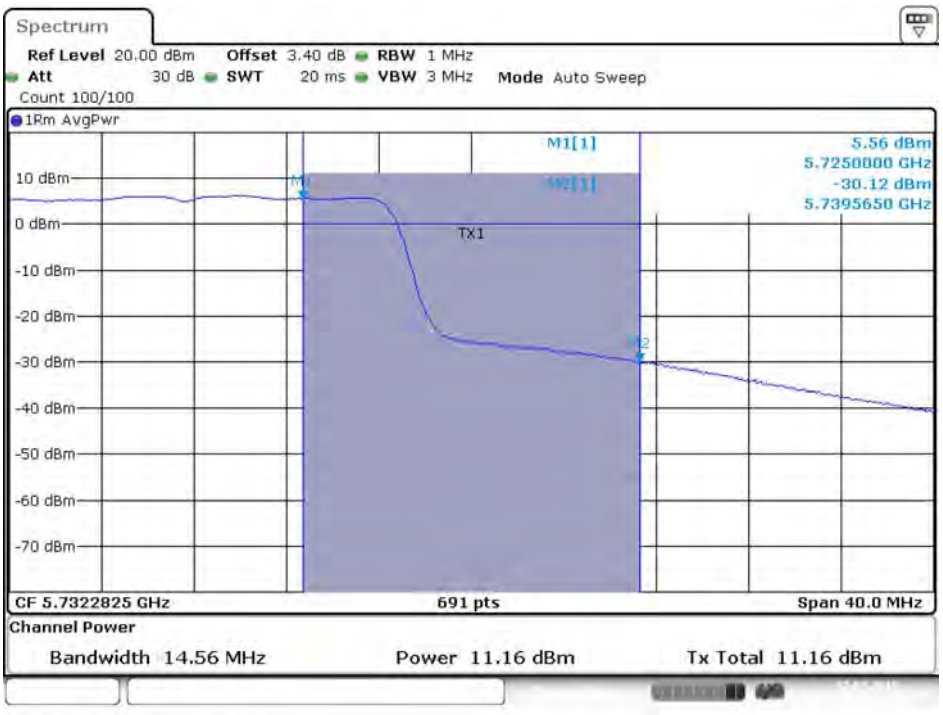


Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



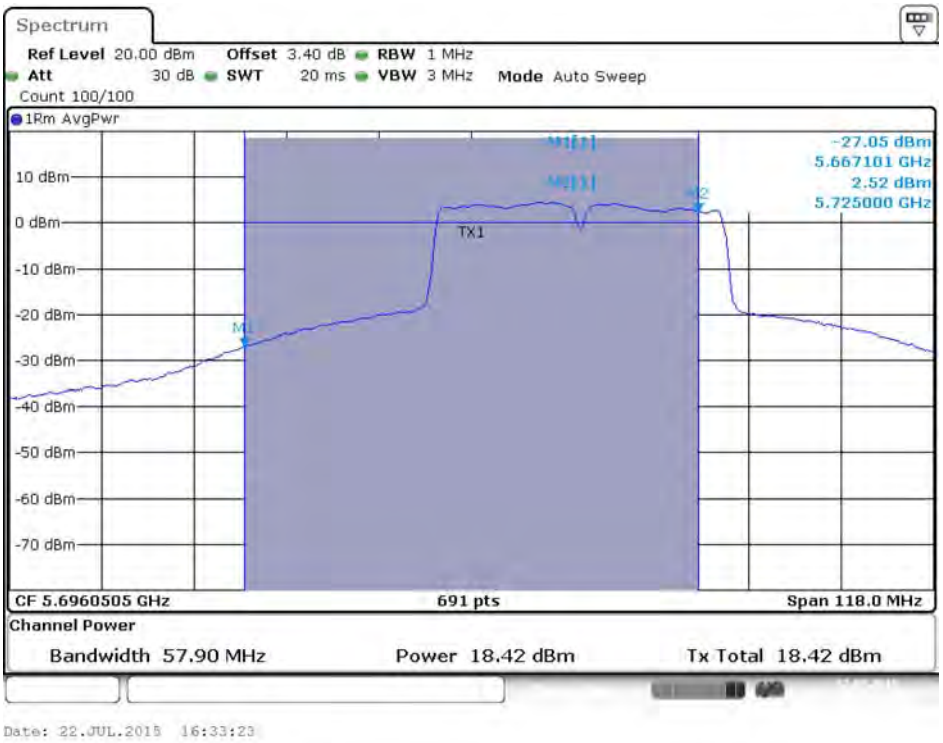
Date: 22.JUL.2015 17:05:32

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

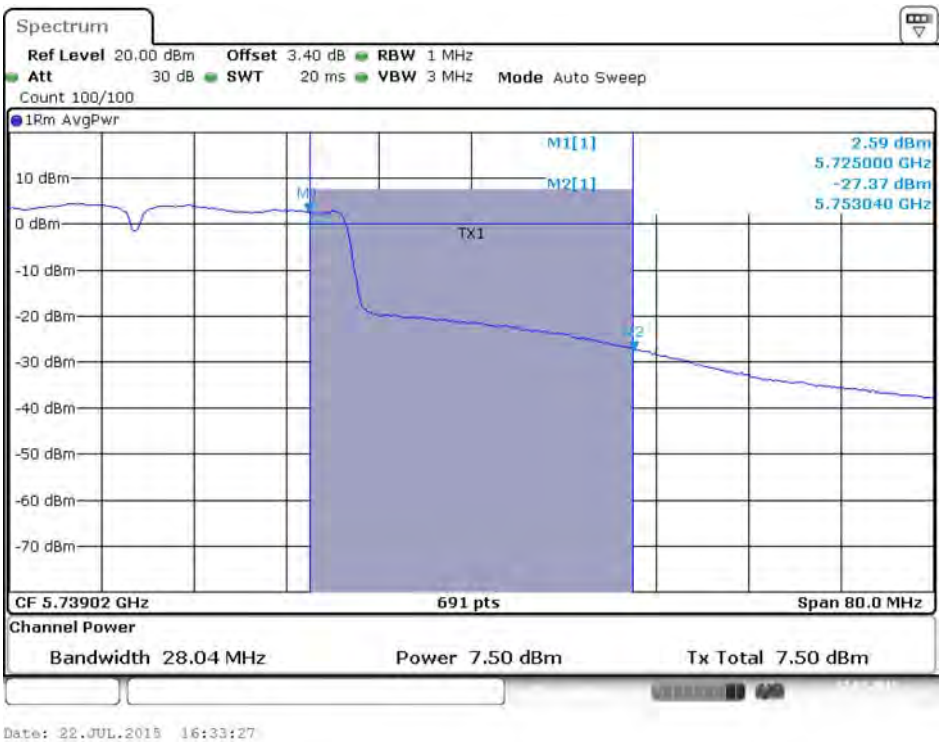


Date: 22.JUL.2015 17:05:36

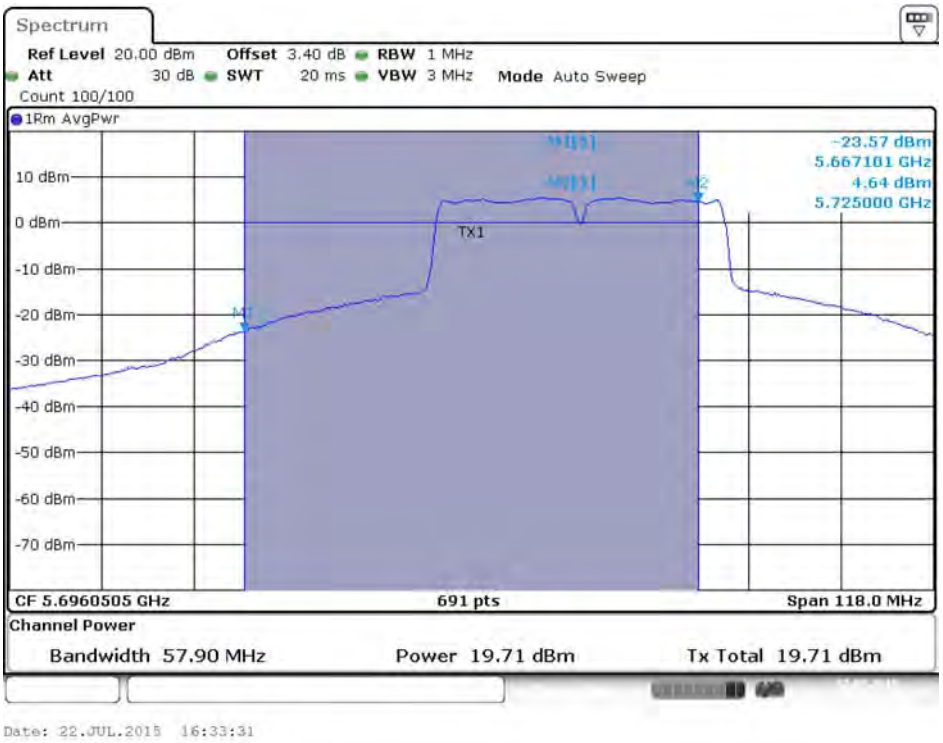
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



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

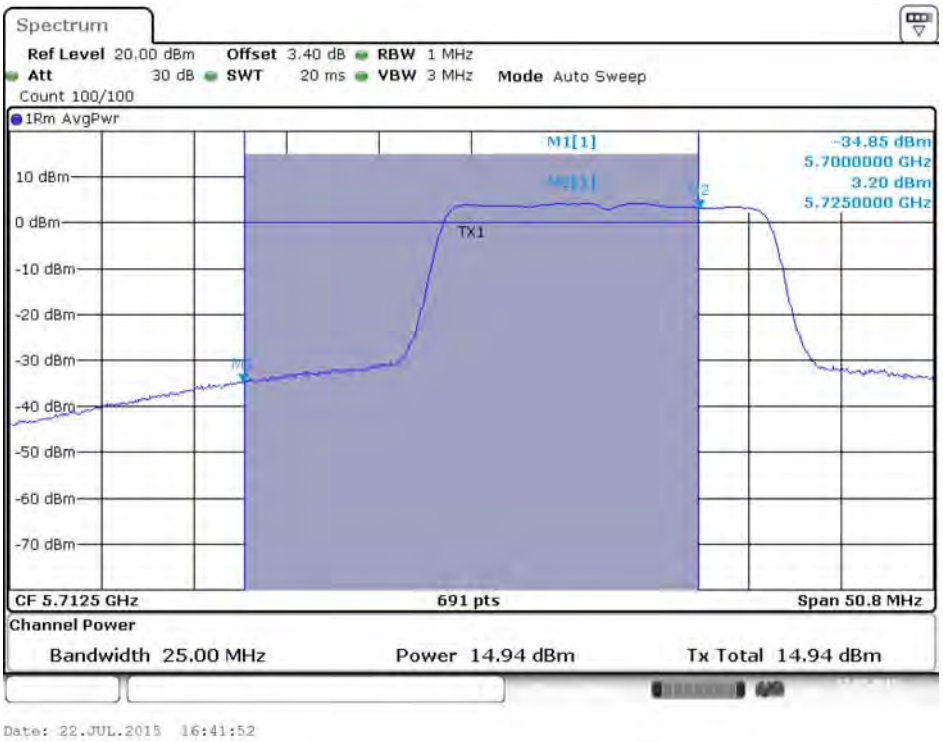


Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 2C)

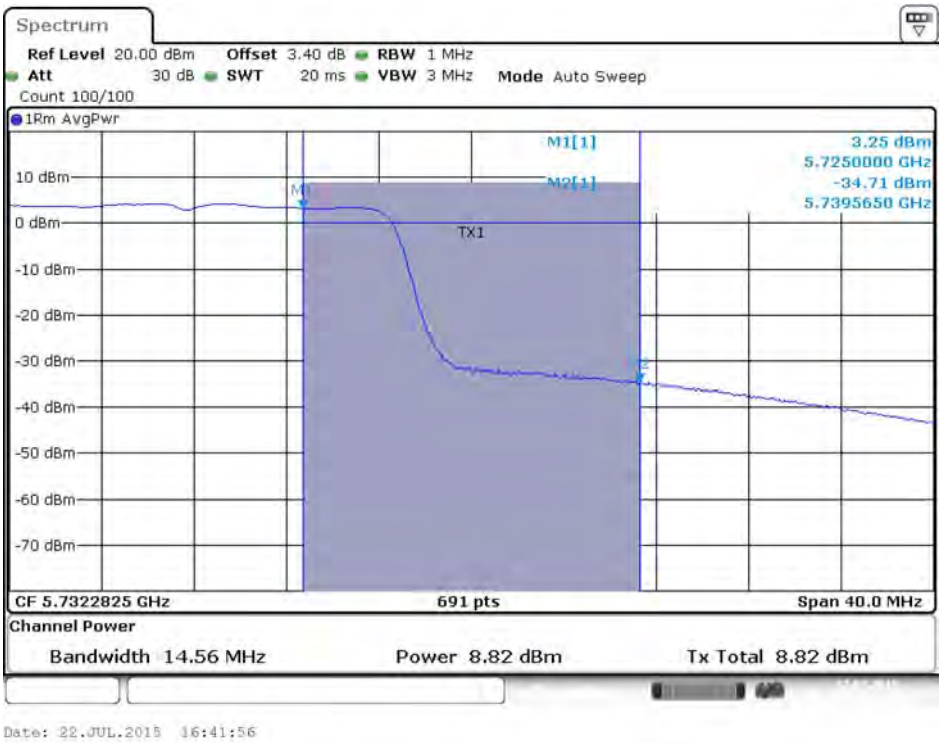


Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)

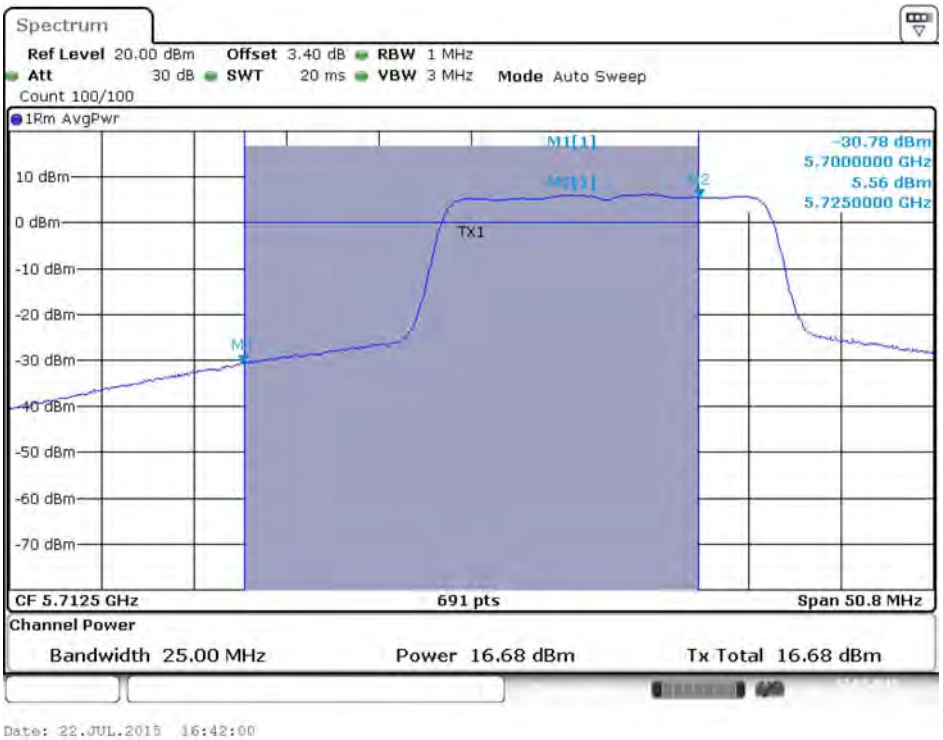
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



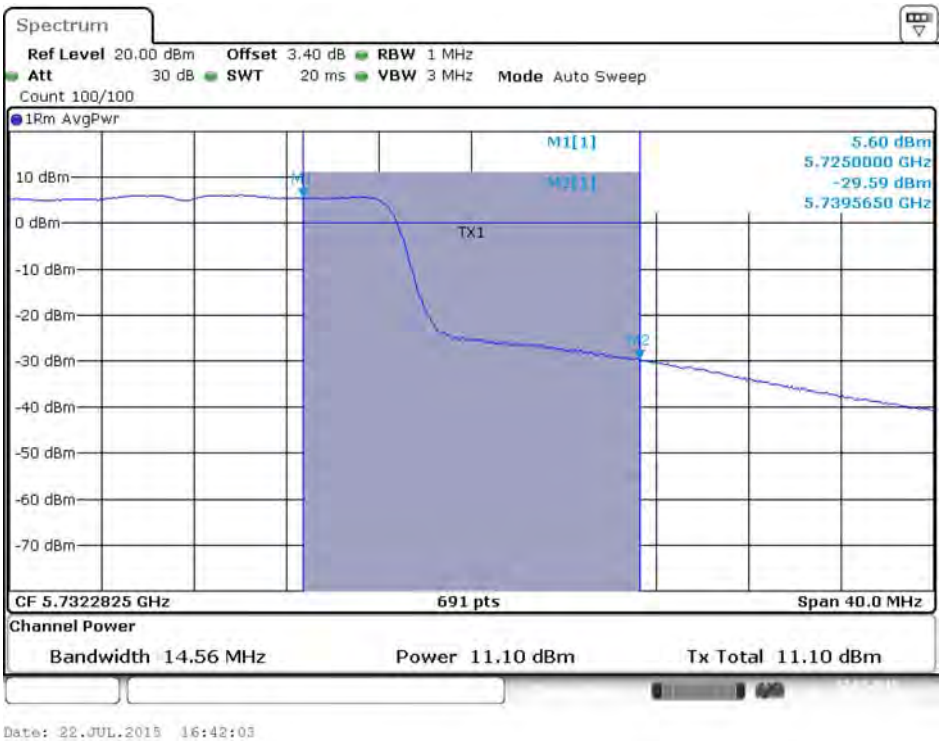
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



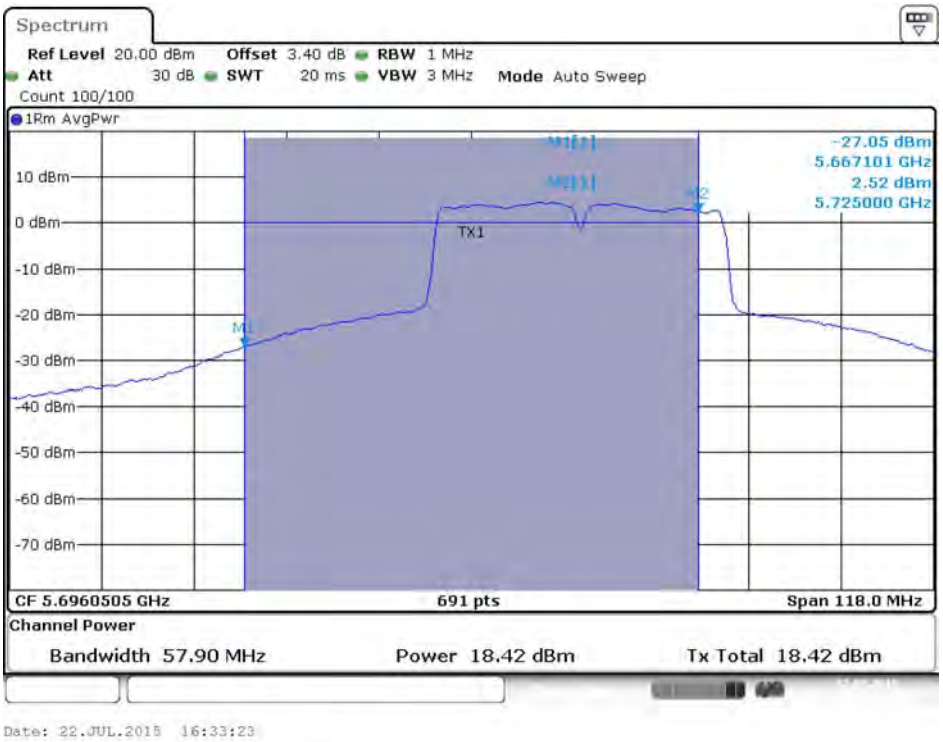
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



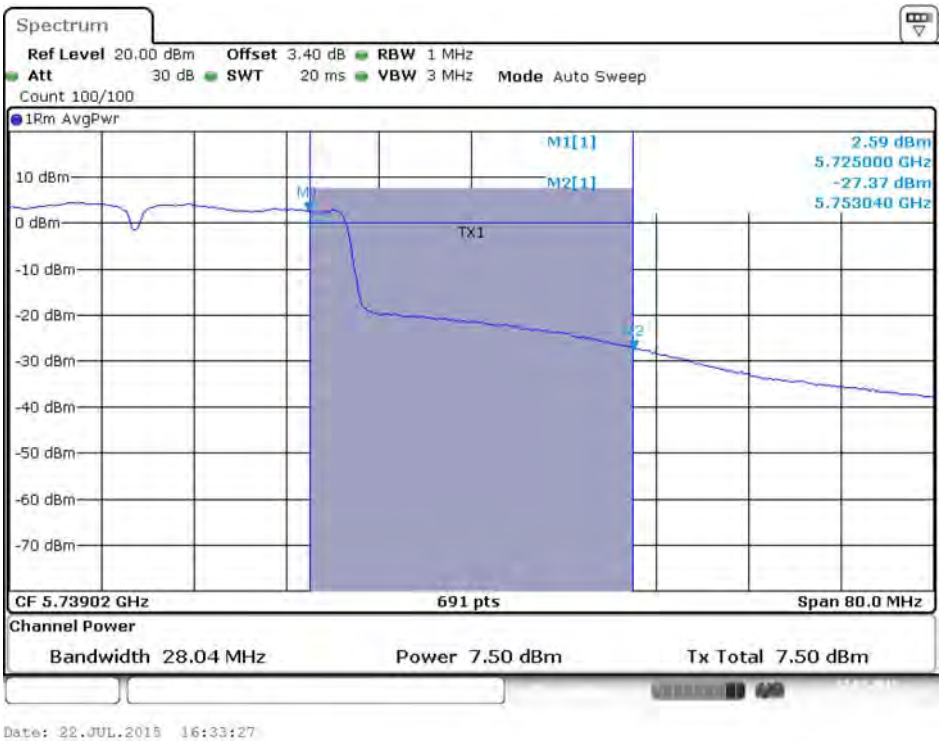
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



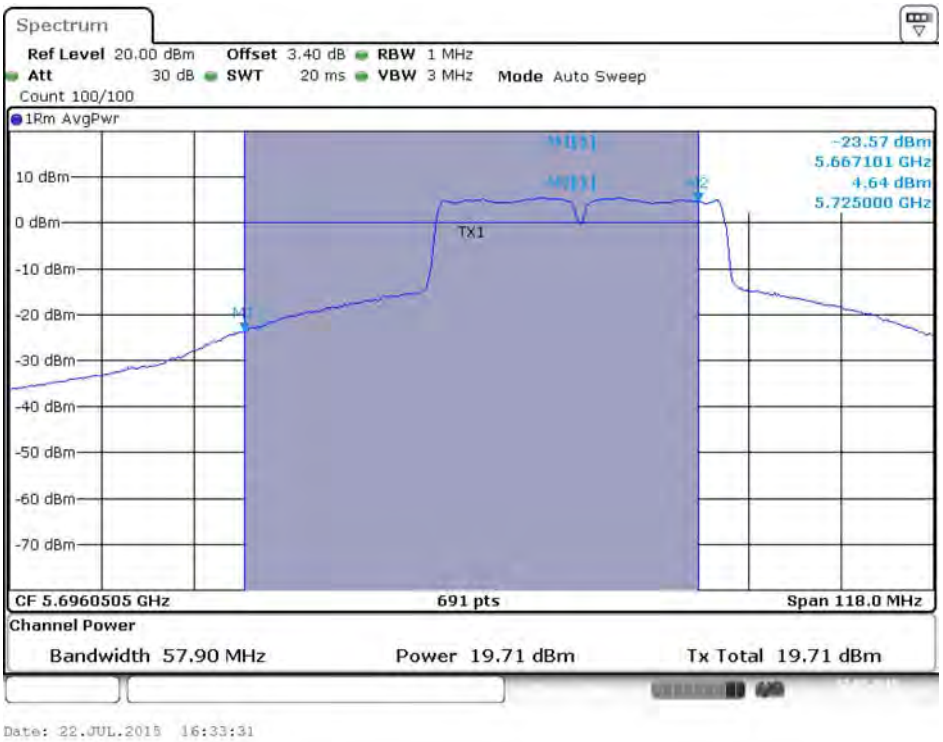
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



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

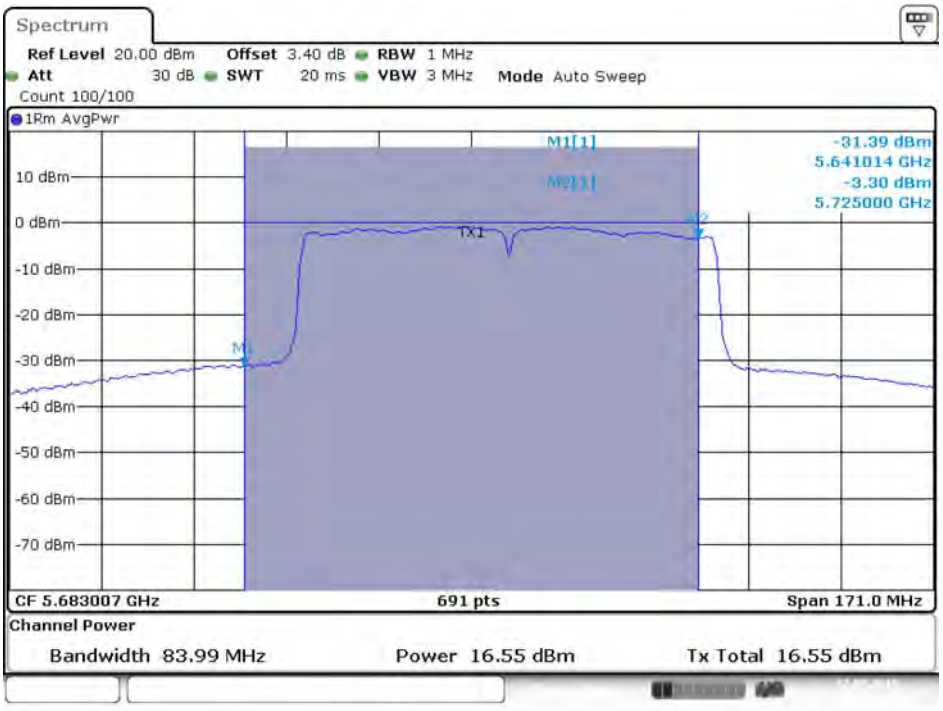


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



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)

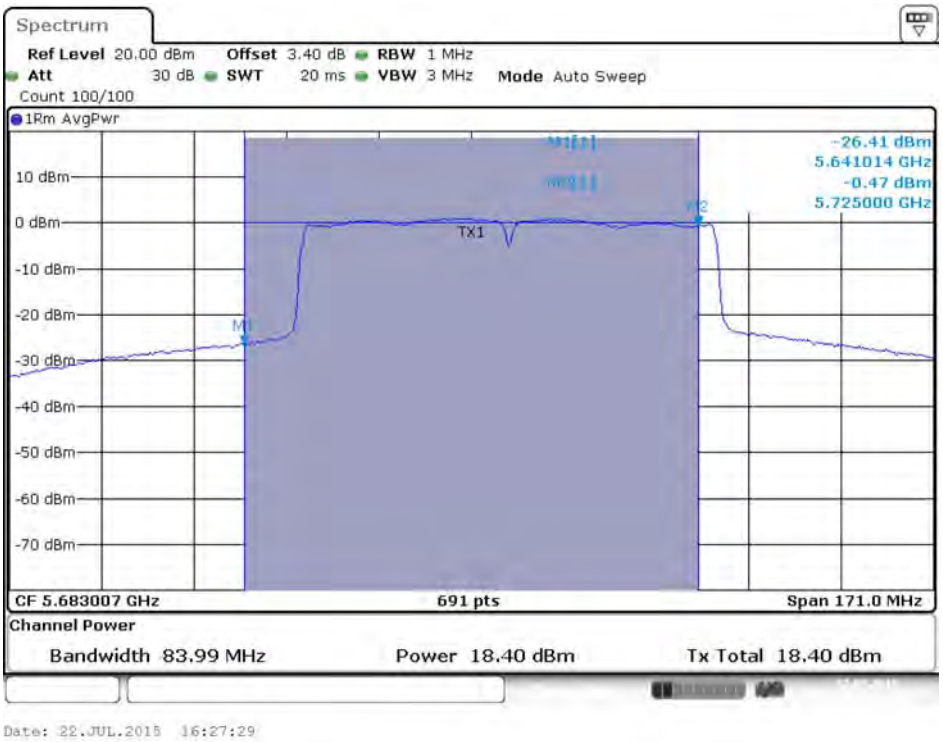


Date: 22.JUL.2015 16:27:22

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

Date: 22.JUL.2015 16:27:25

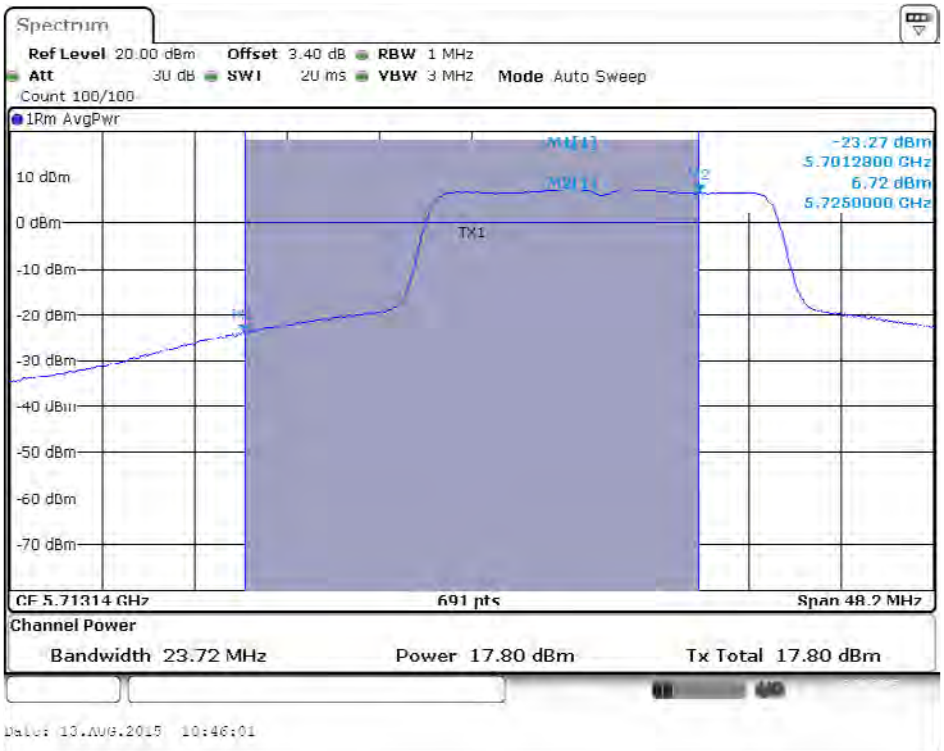
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



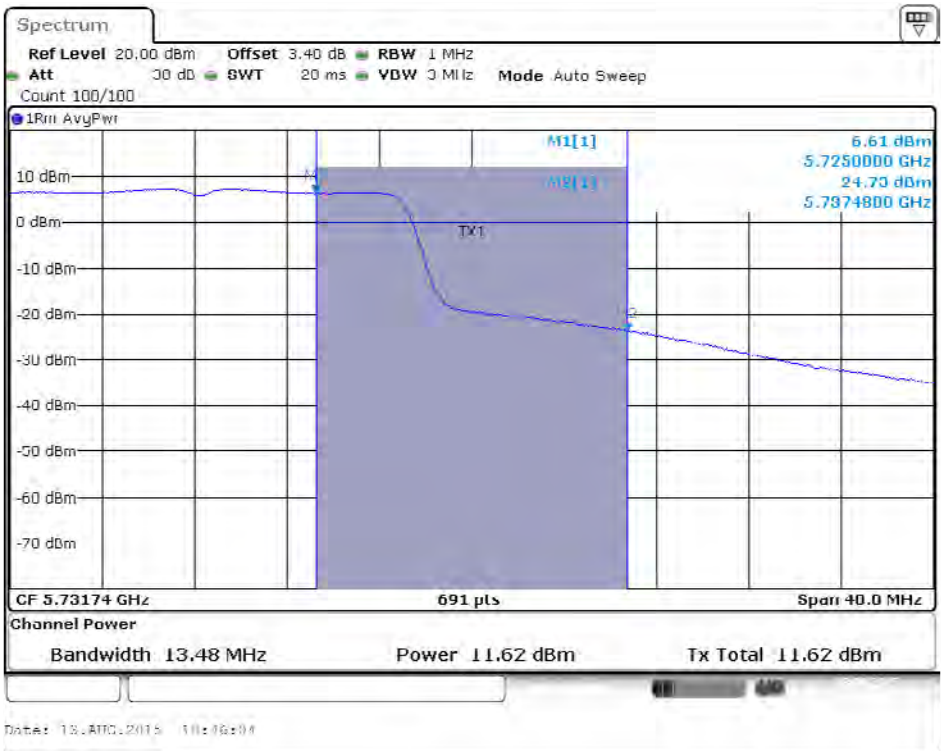
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)

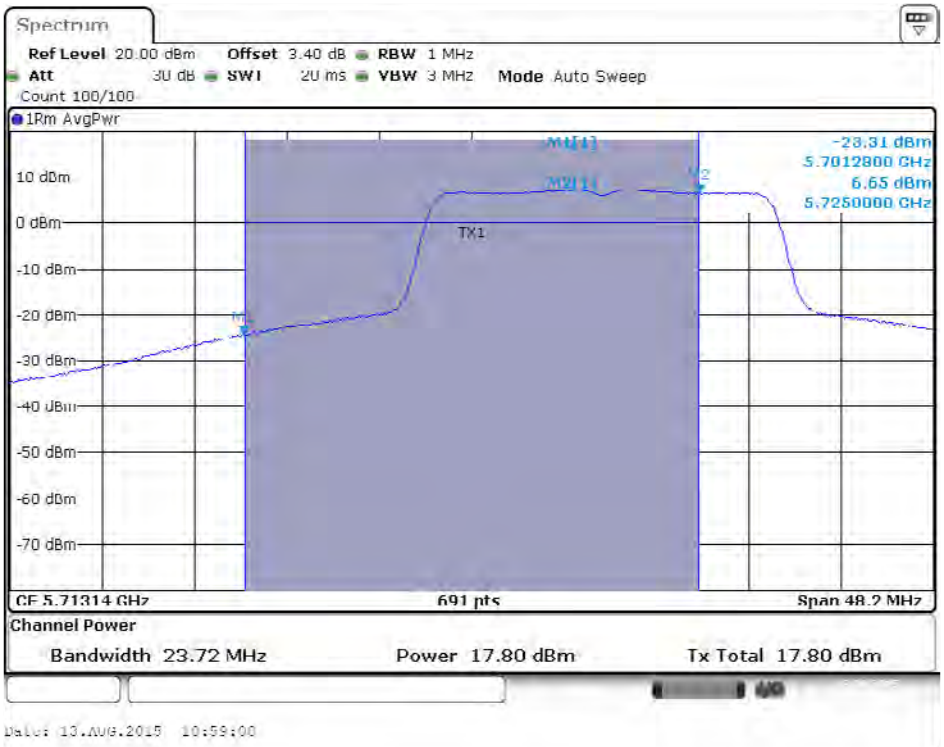
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



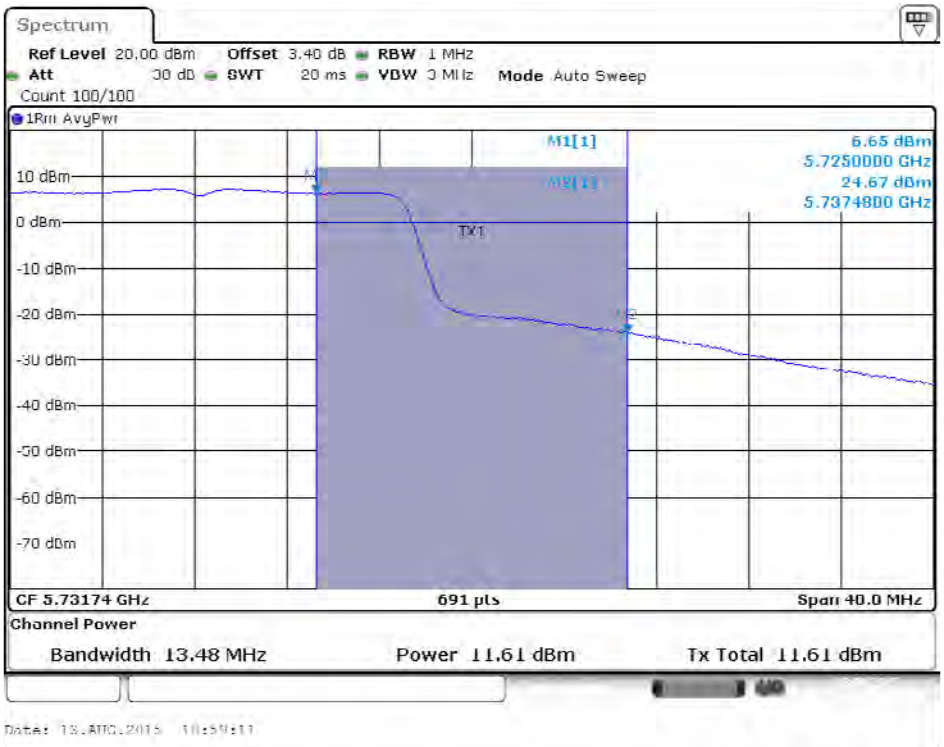
Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



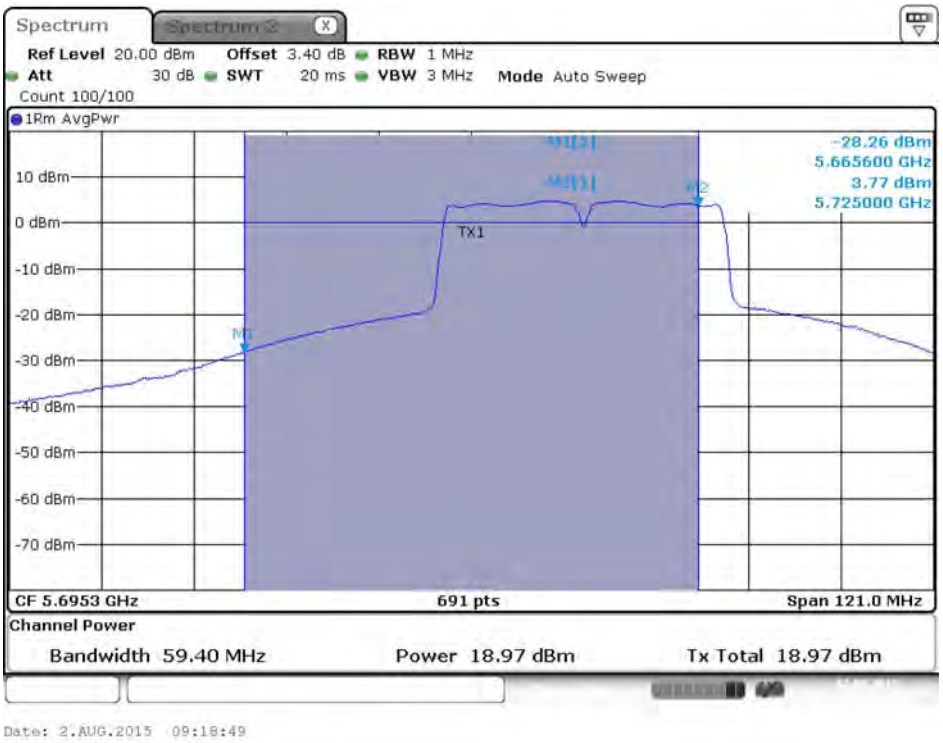
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



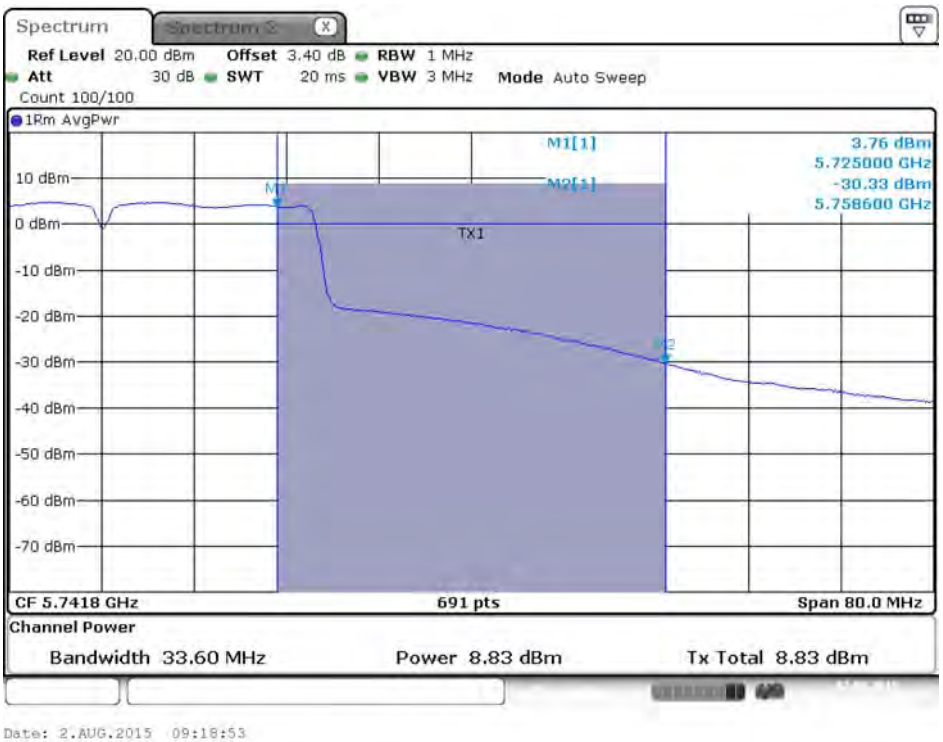
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 3)



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



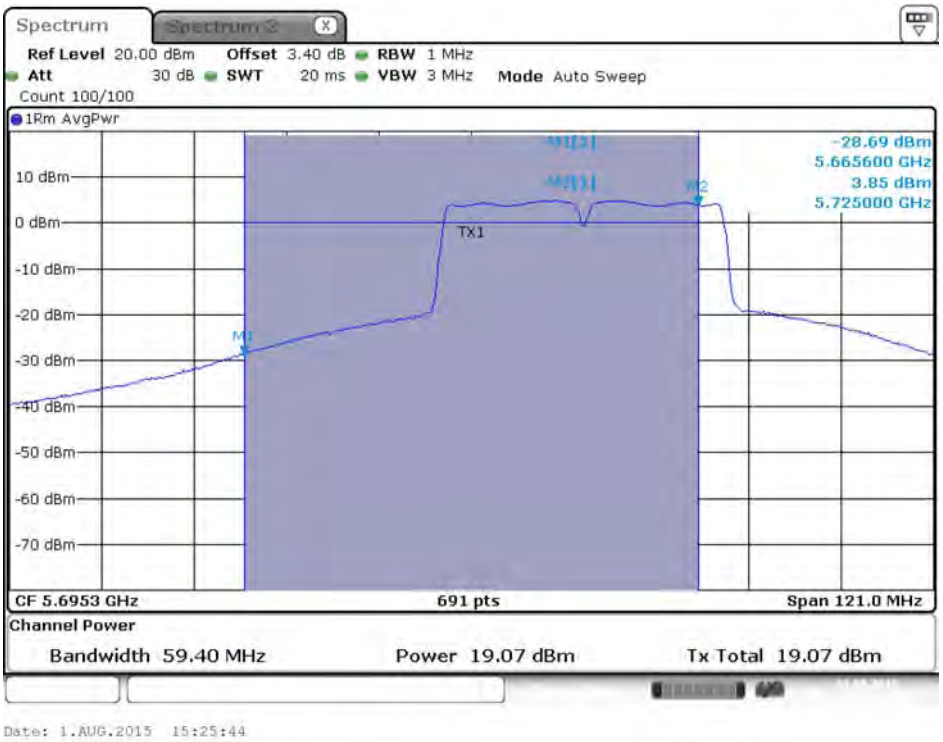
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)



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

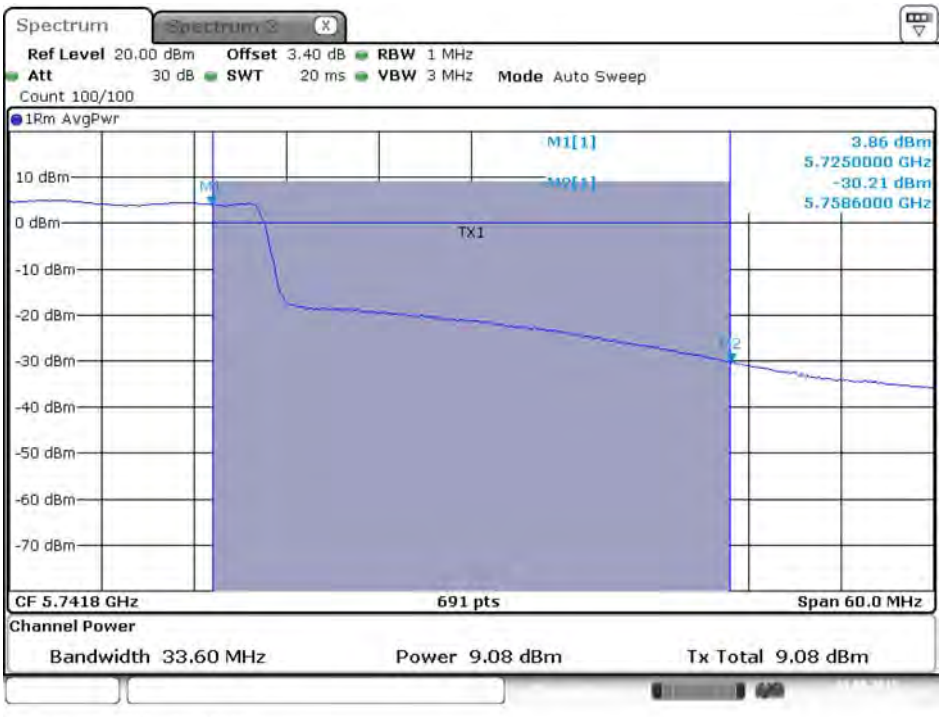
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)

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



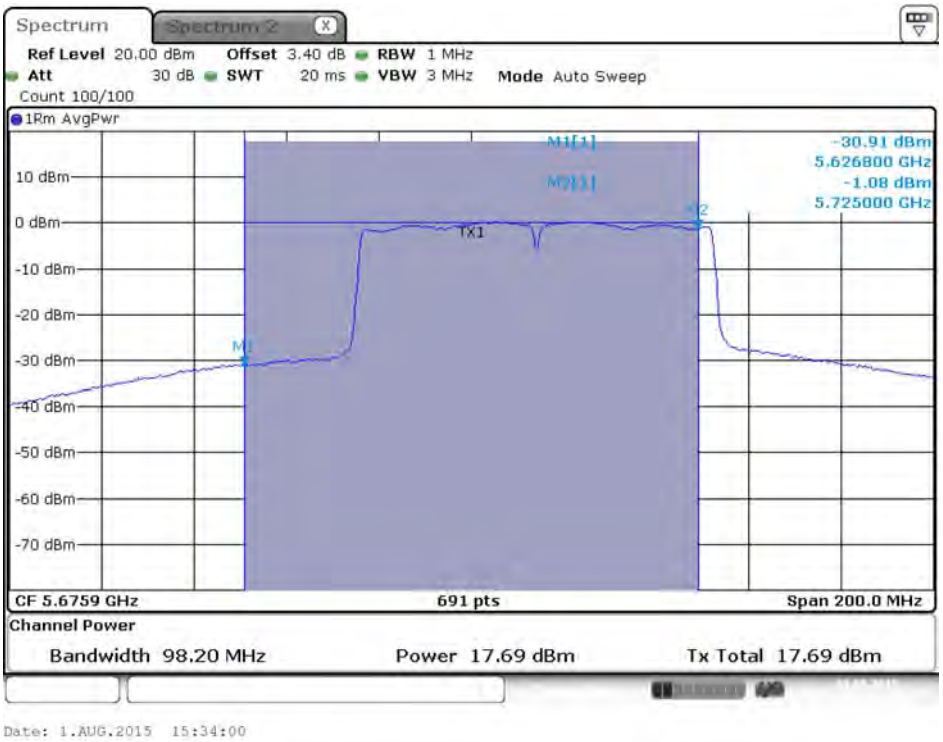
Date: 1.AUG.2015 15:25:44

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

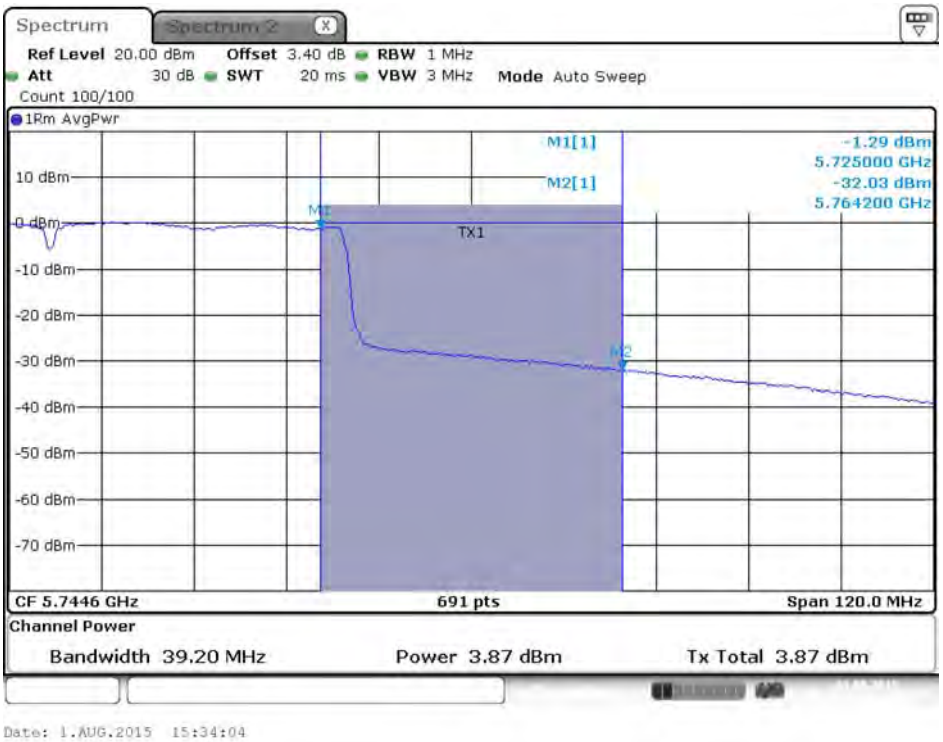


Date: 1.AUG.2015 15:25:48

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

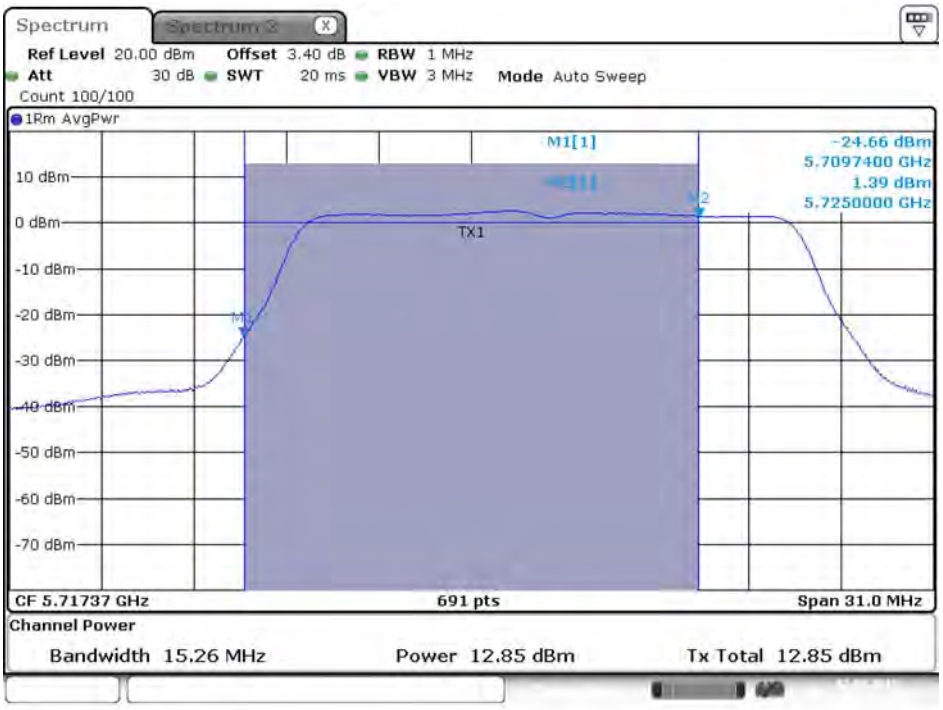


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



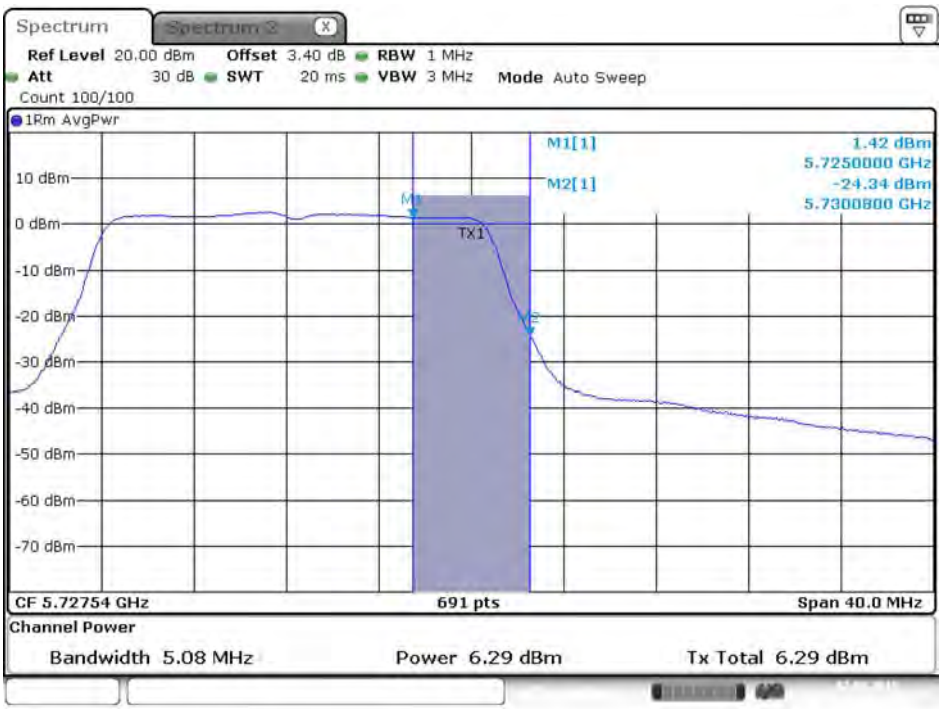
Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)

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



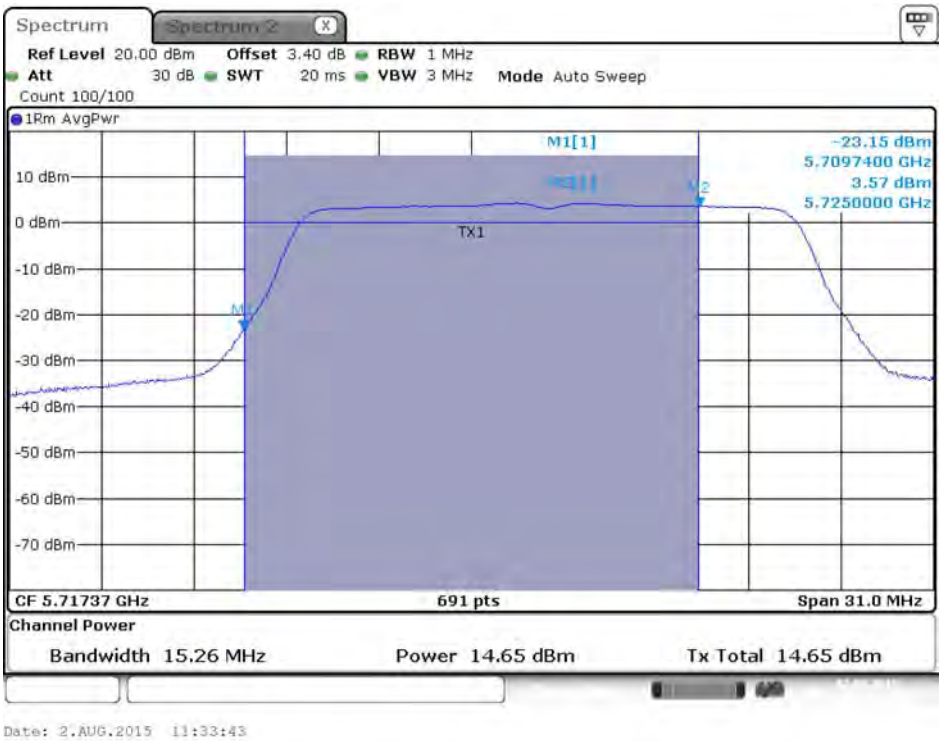
Date: 2.AUG.2015 11:33:35

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

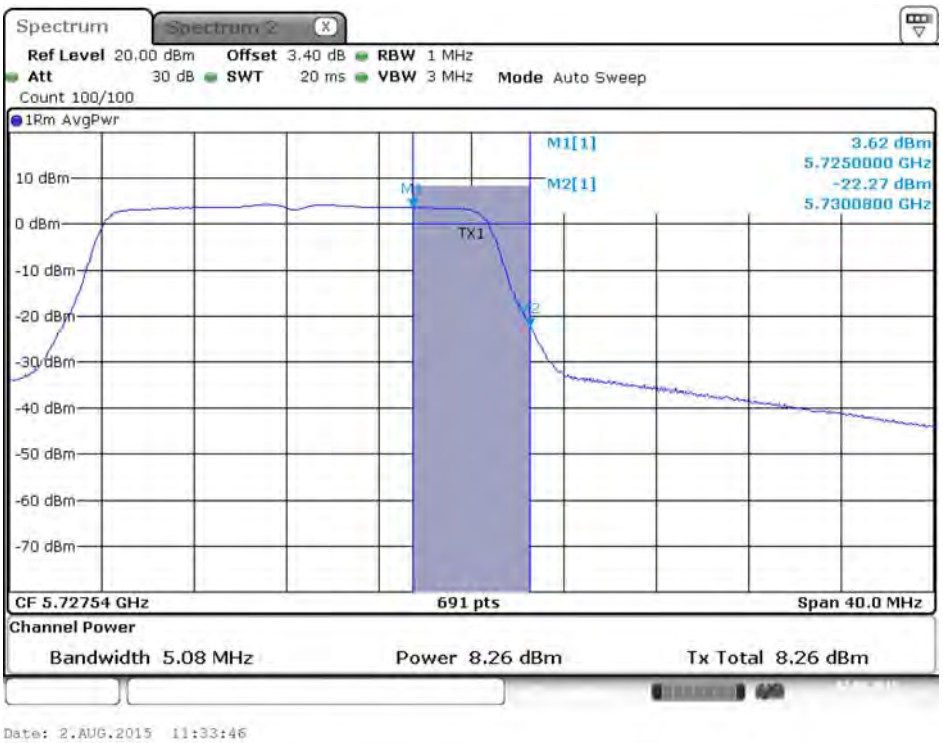


Date: 2.AUG.2015 11:33:39

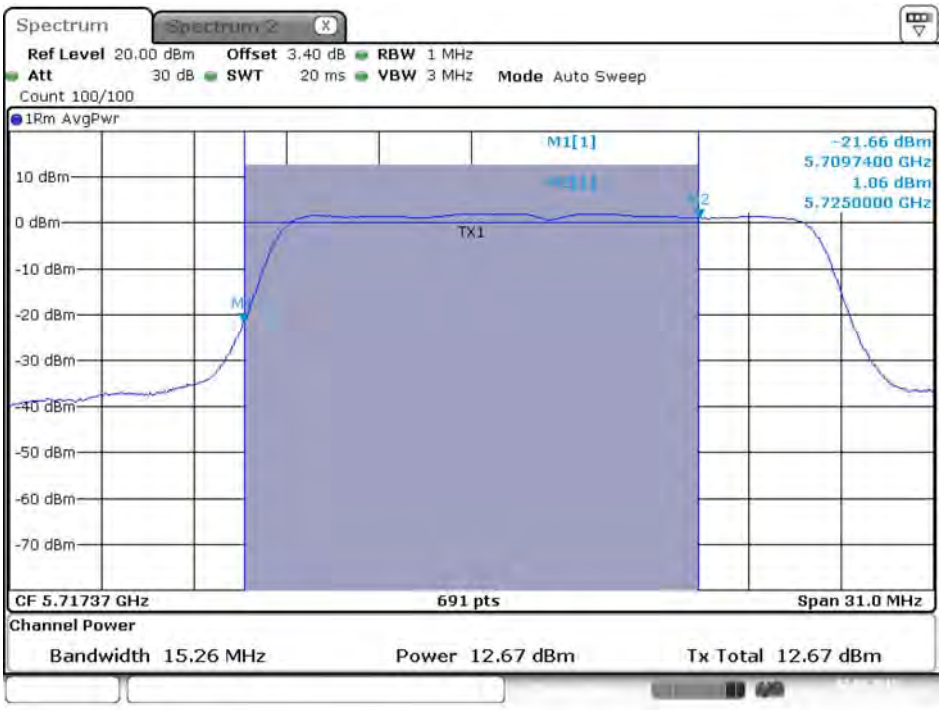
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



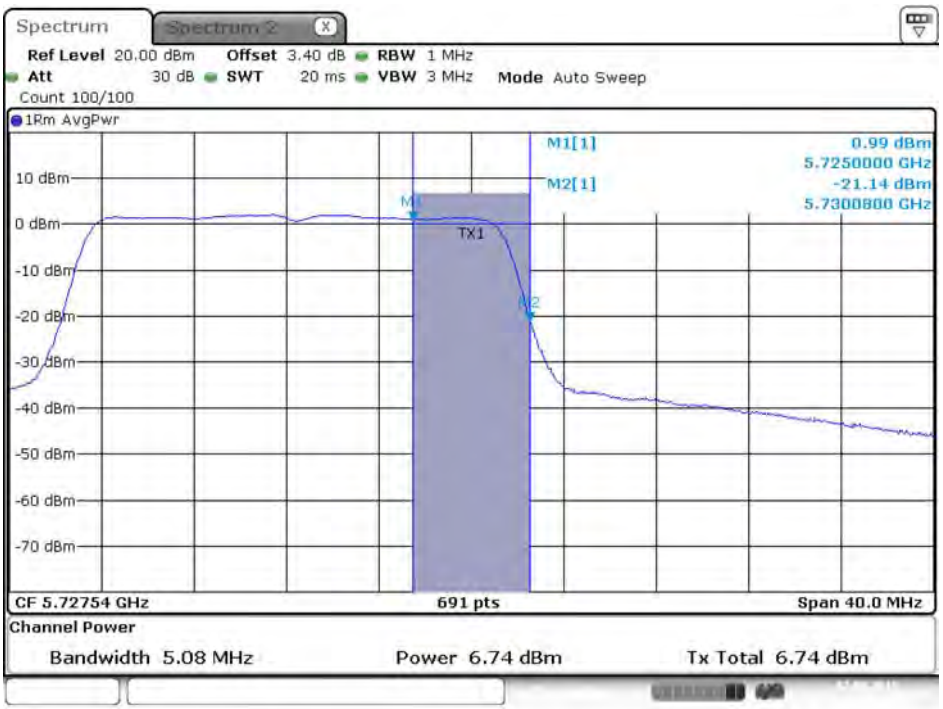
Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



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

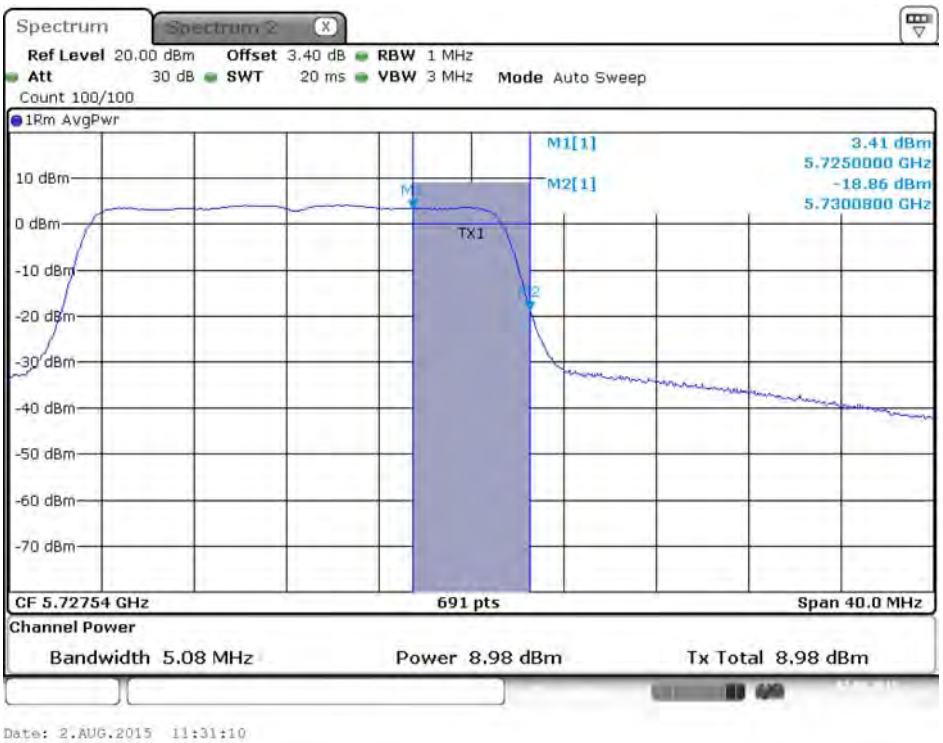


Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 3)

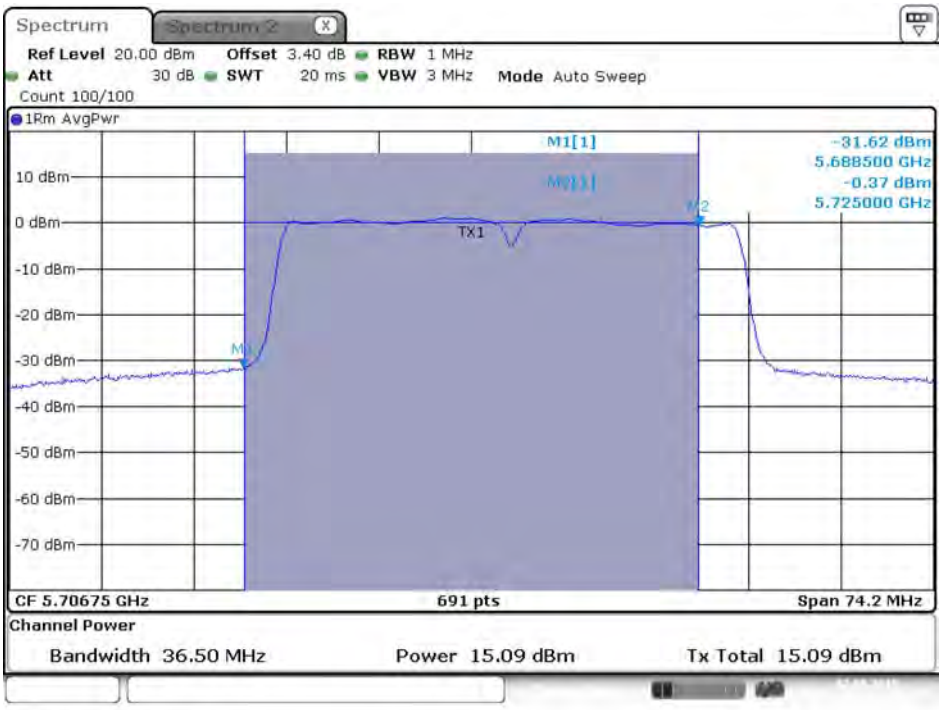


Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)

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

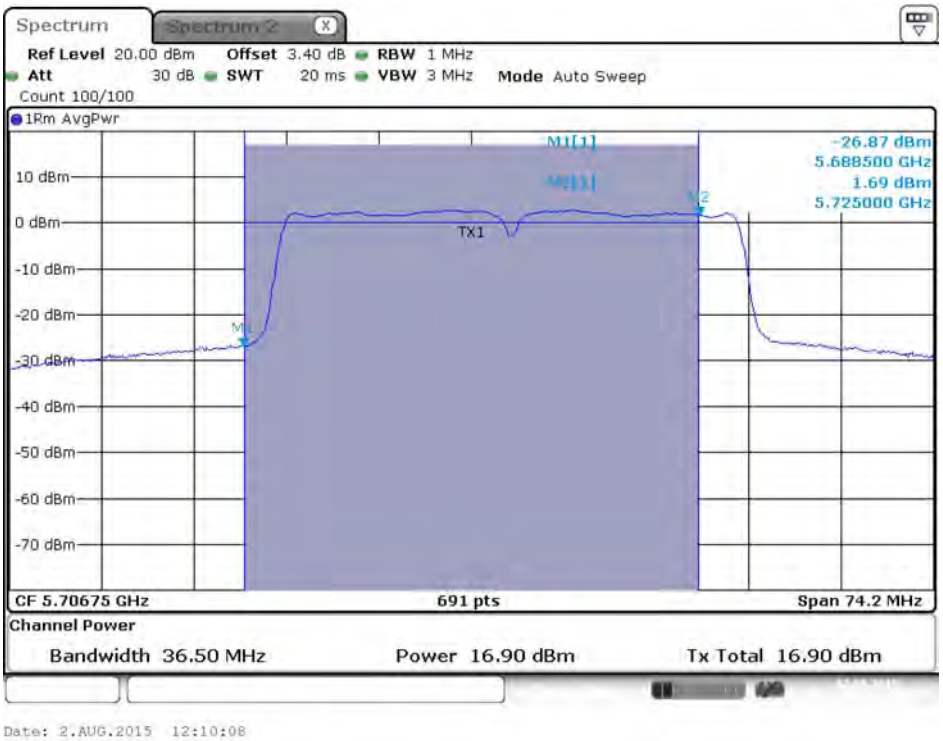


Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



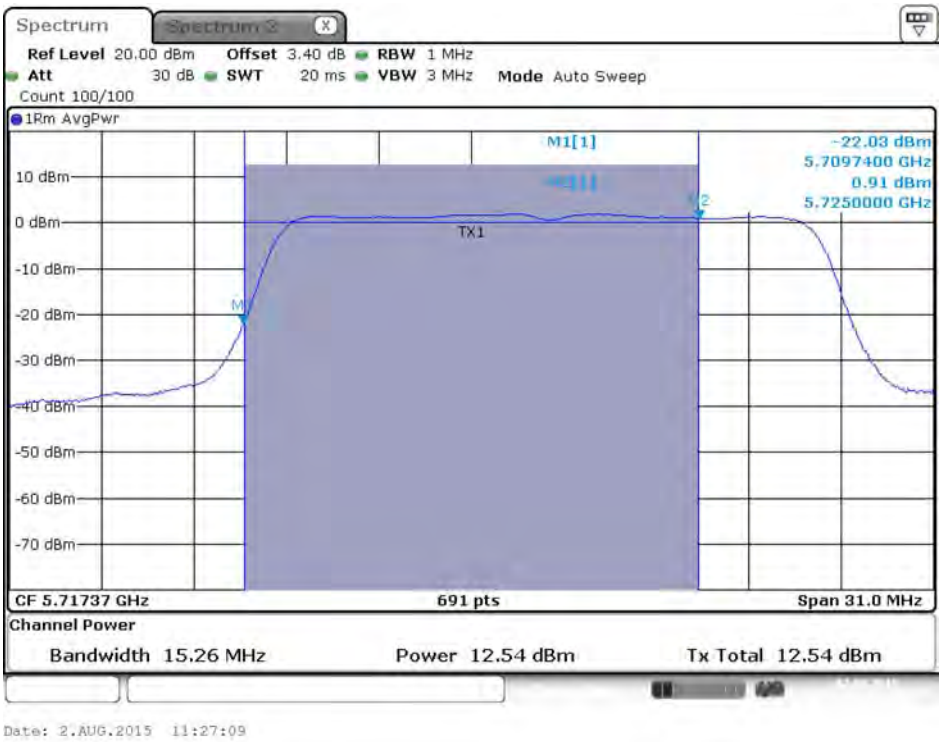
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 3)

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



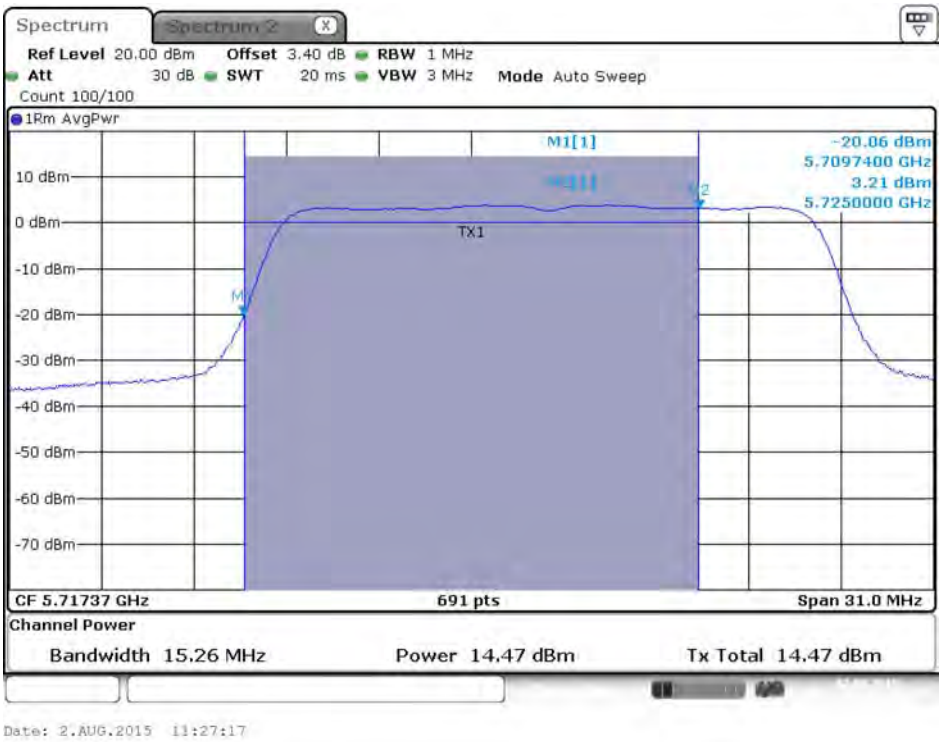
Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 2 / 5710 MHz (UNII 3)

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



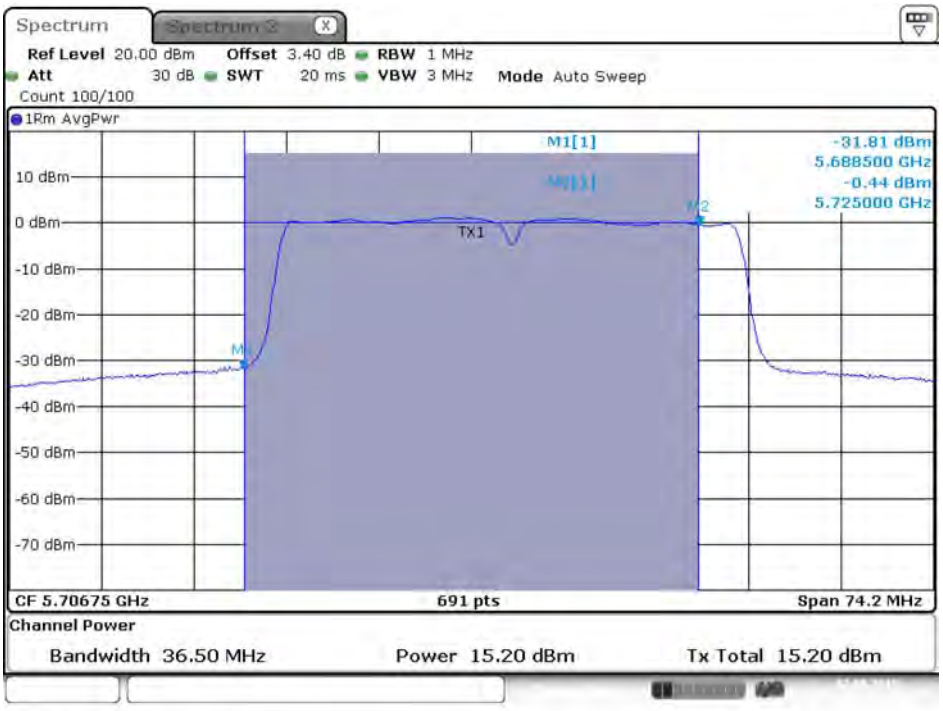
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)

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

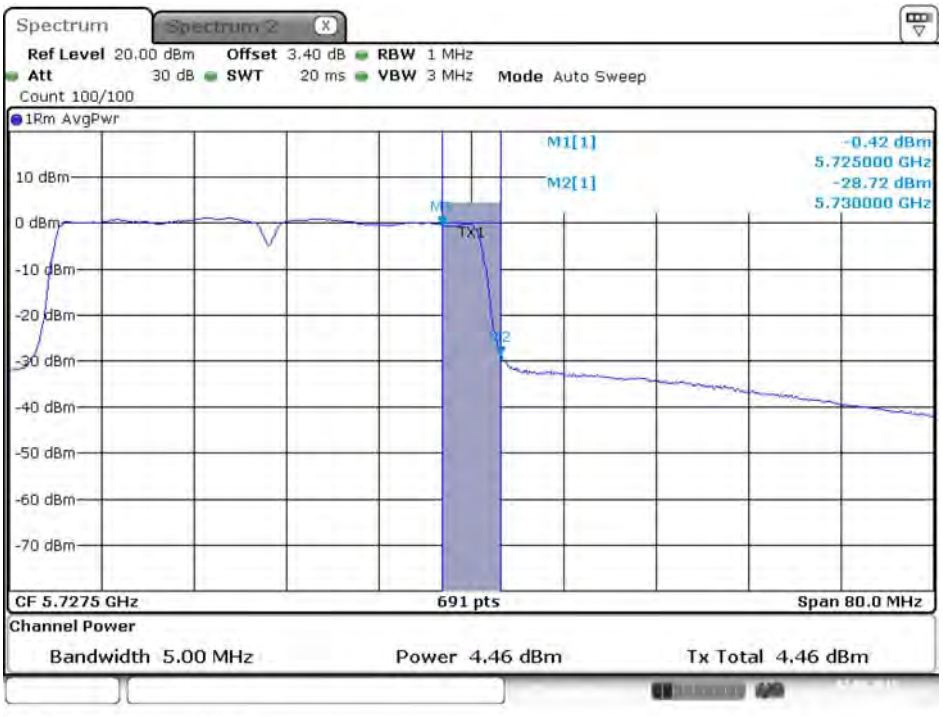


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)

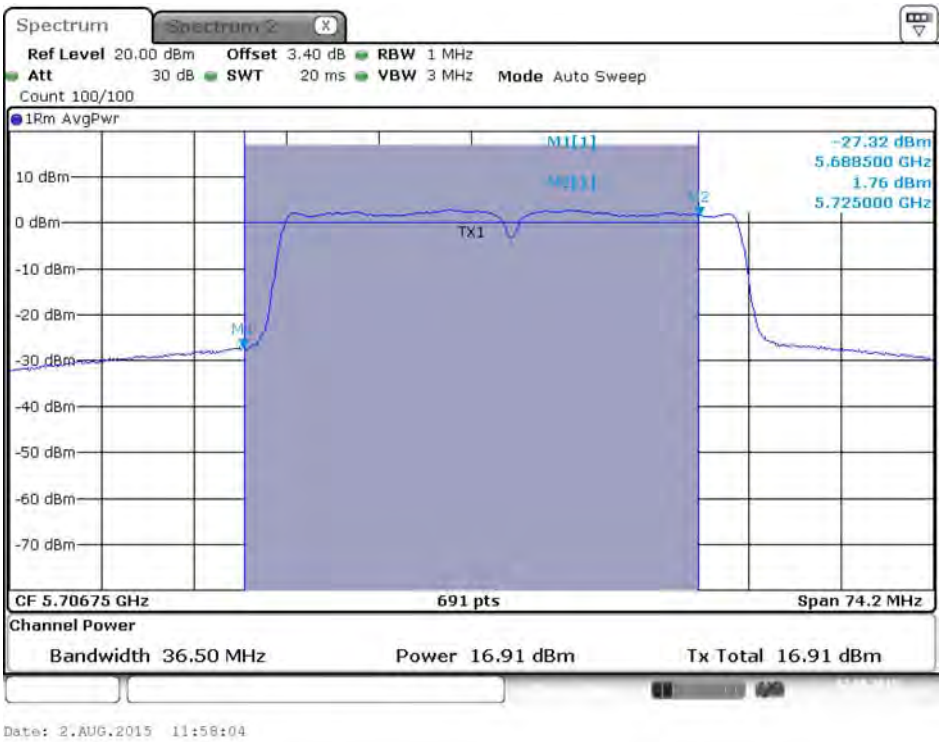
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



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

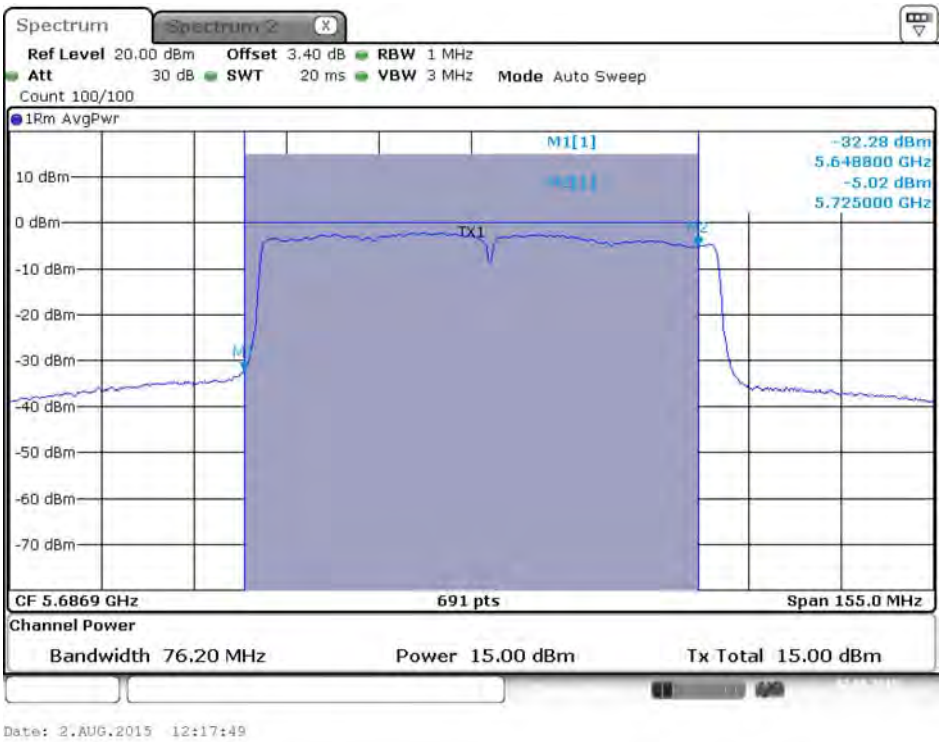


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



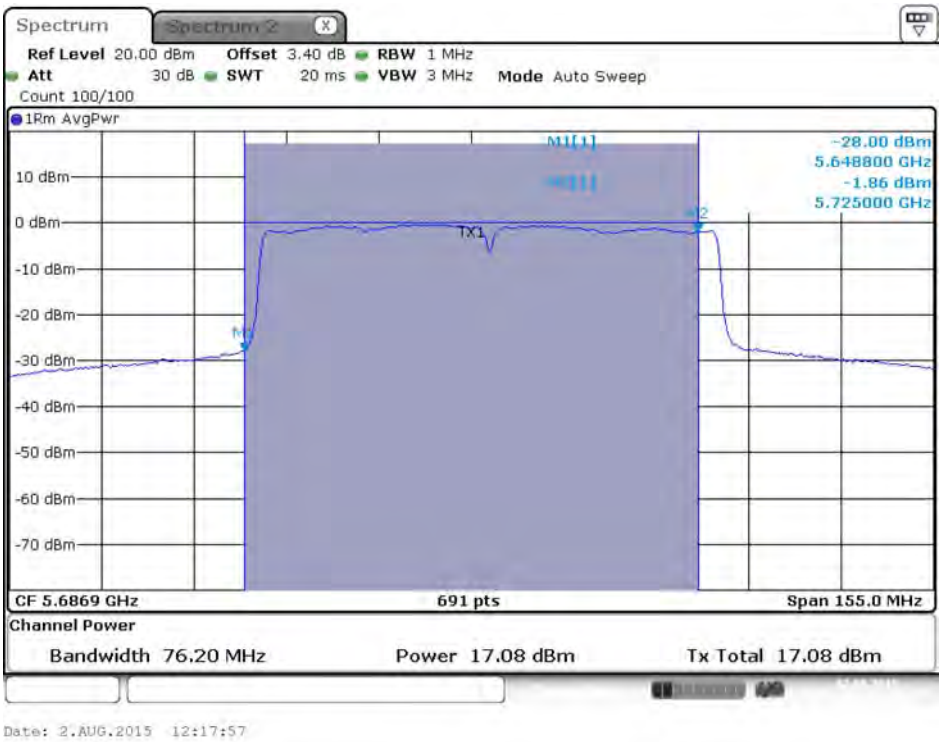
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)

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

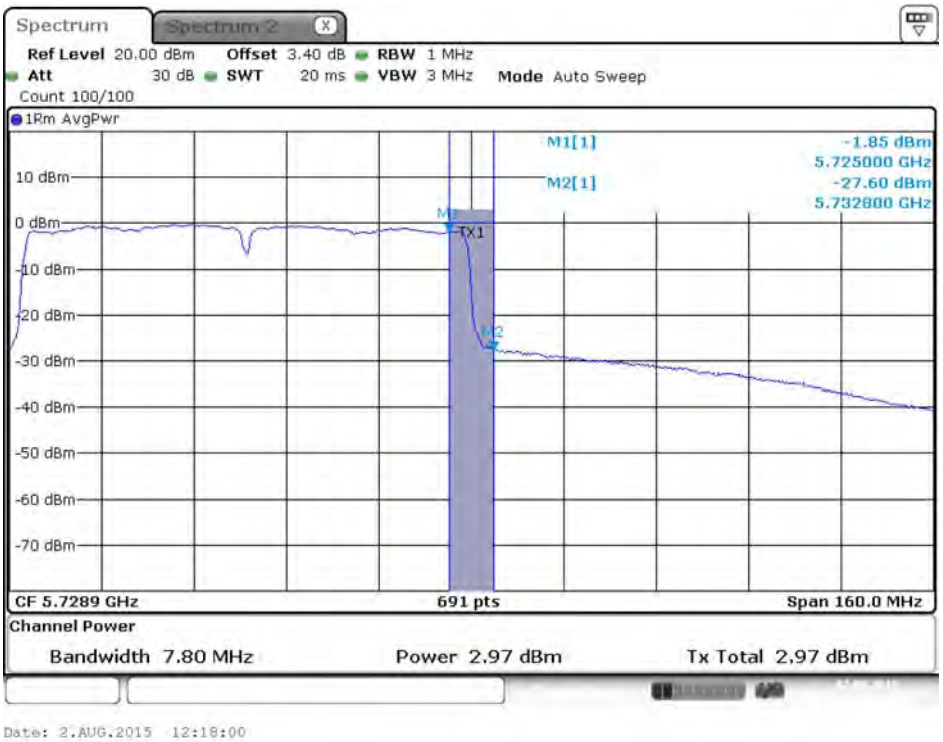


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

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

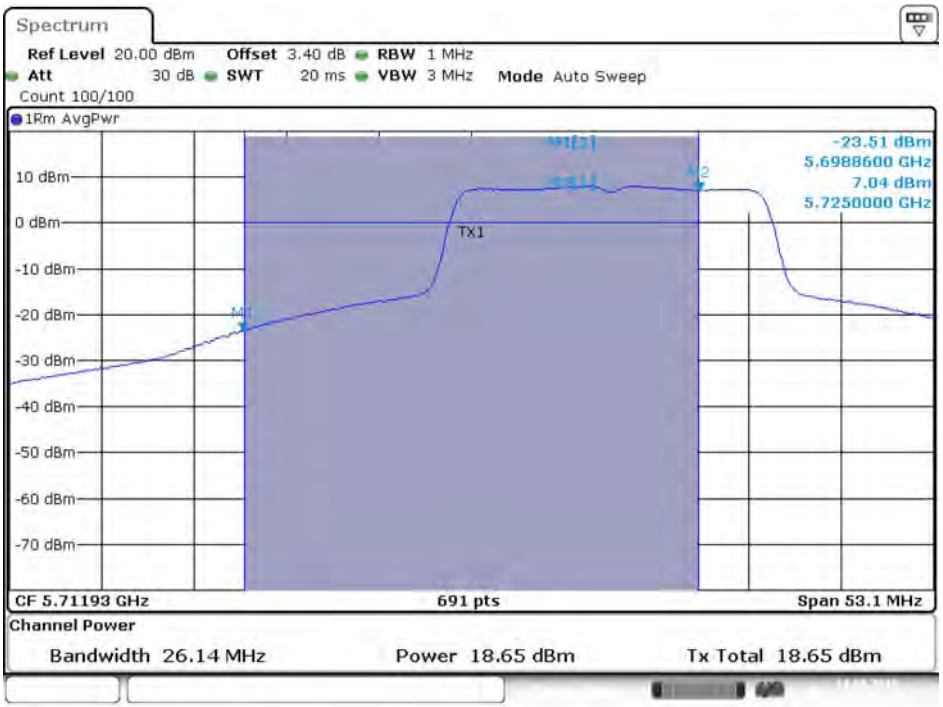


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



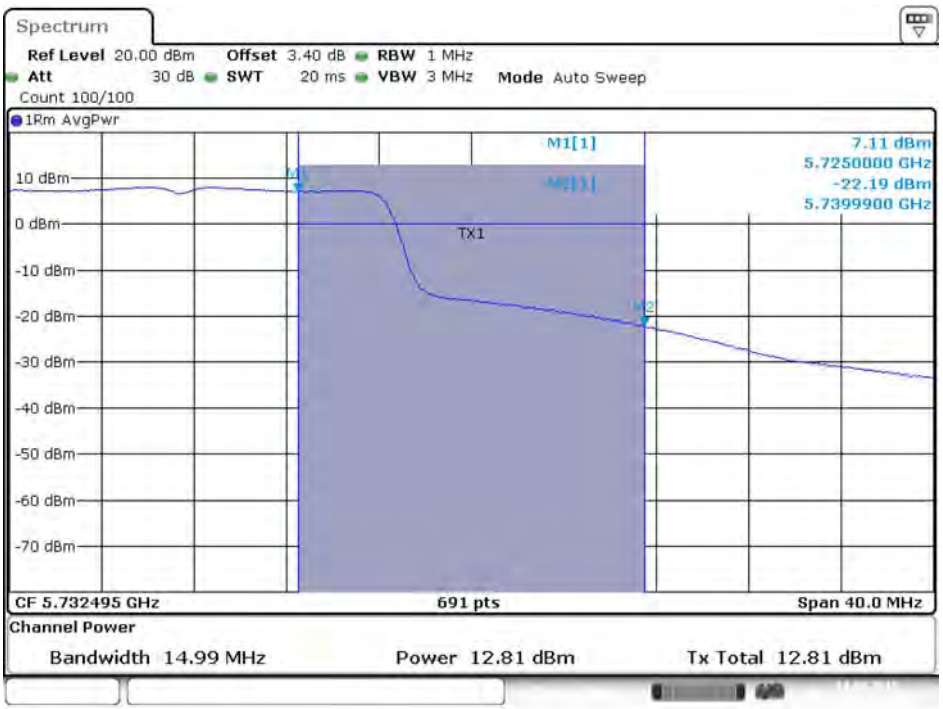
Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX)

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



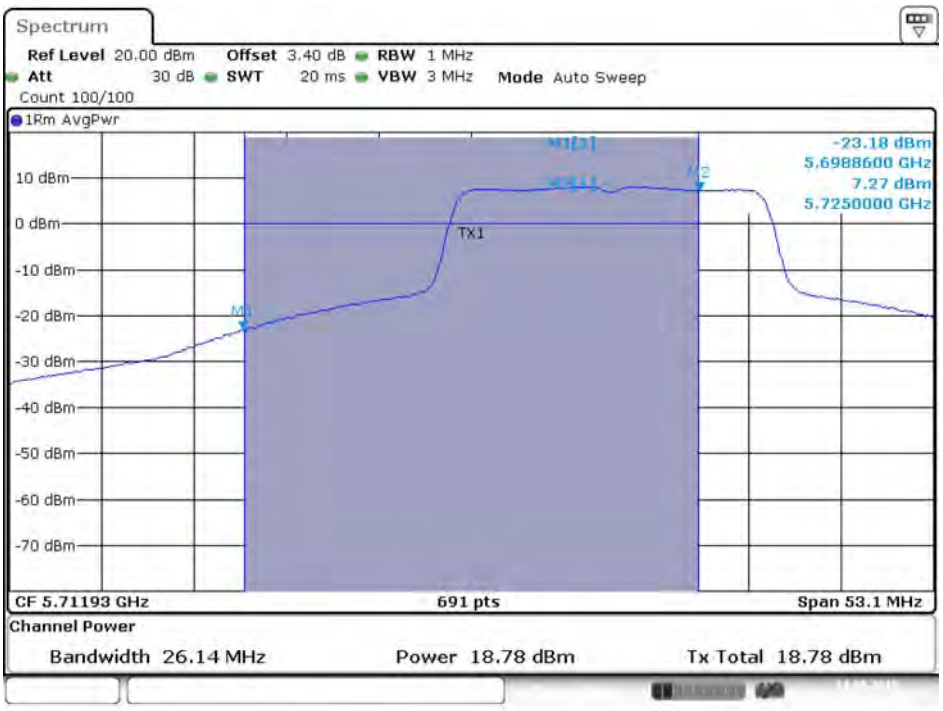
Date: 13.AUG.2015 14:08:17

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

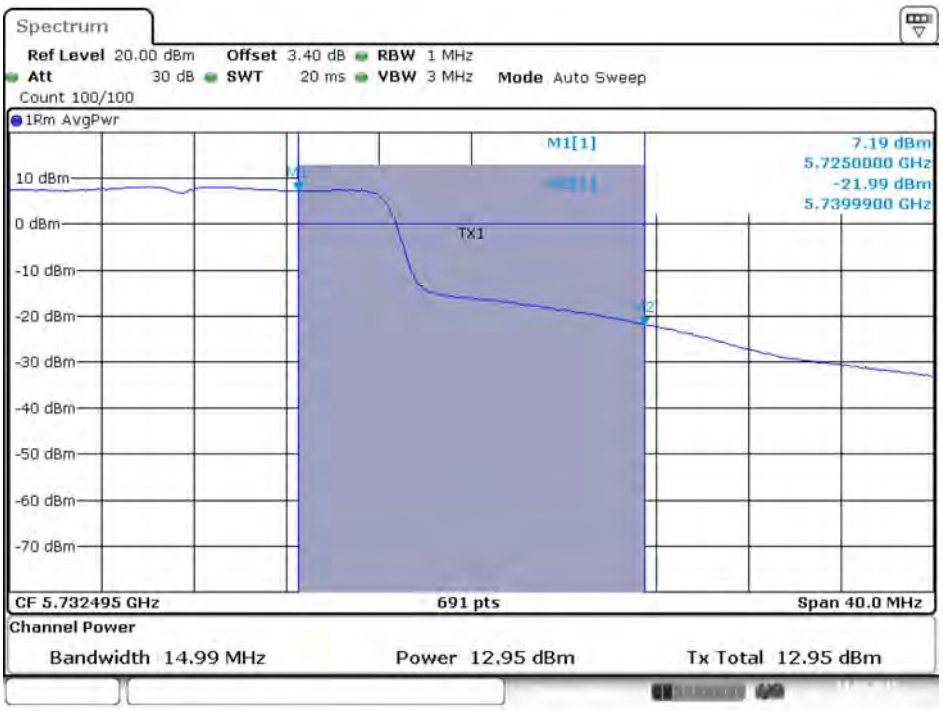


Date: 13.AUG.2015 14:08:21

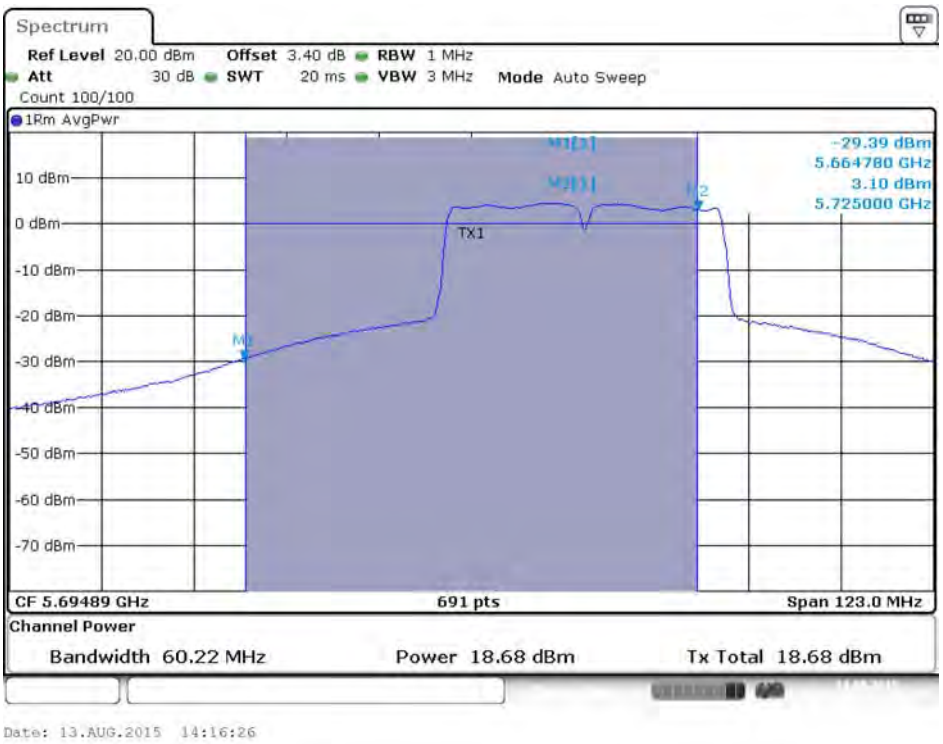
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



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

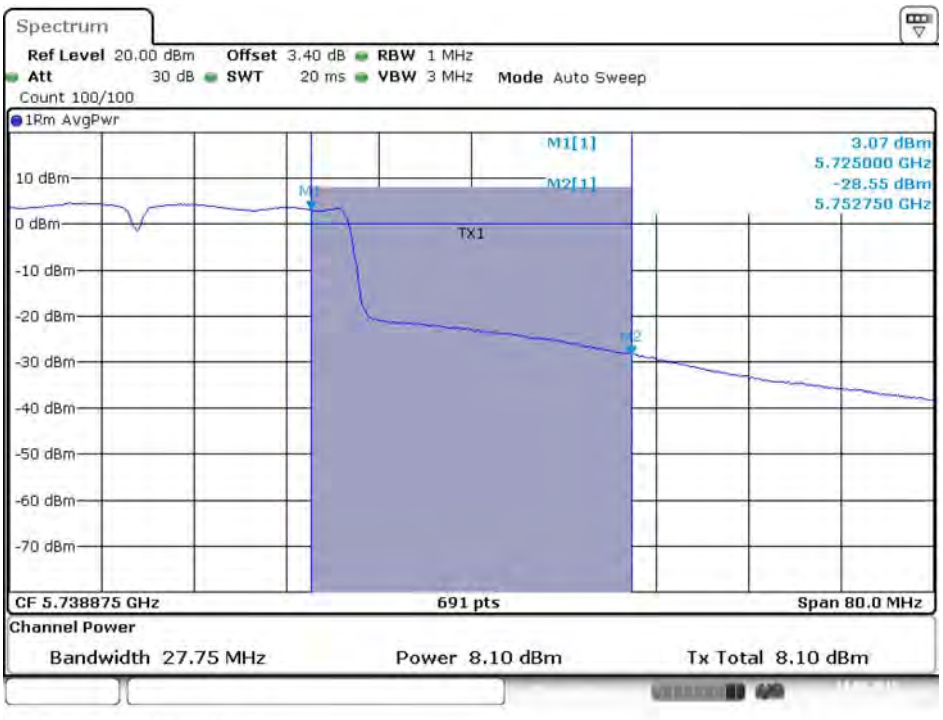


Conducted Output Power Plot on Configuration 802.11n MCS0 HT40 / Chain 1 / 5710 MHz (UNII 2C)



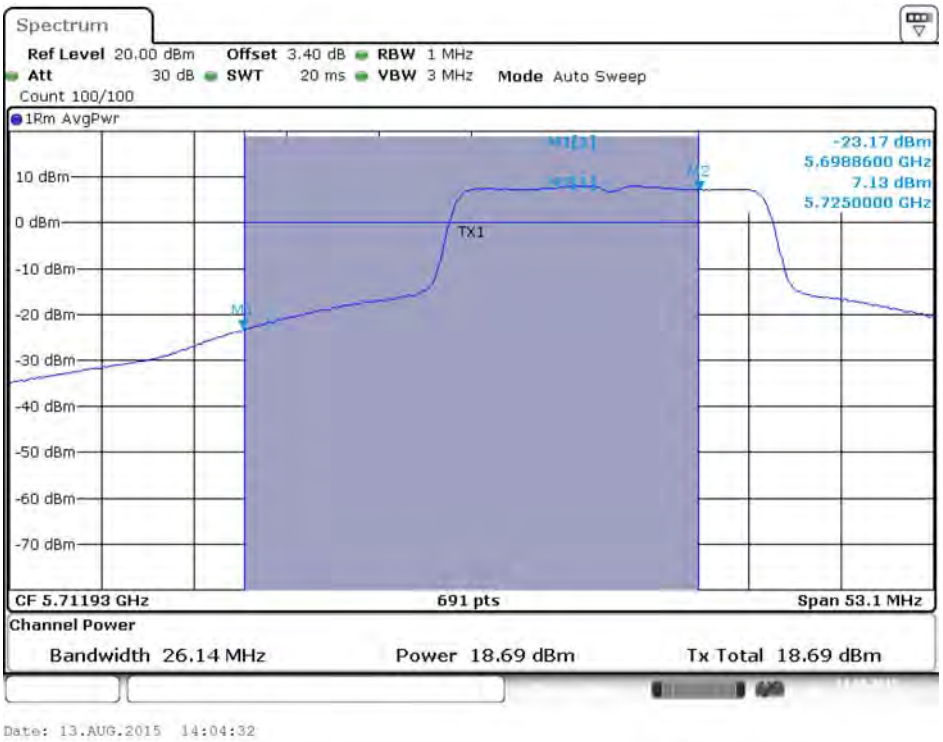
Date: 13.AUG.2015 14:16:26

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

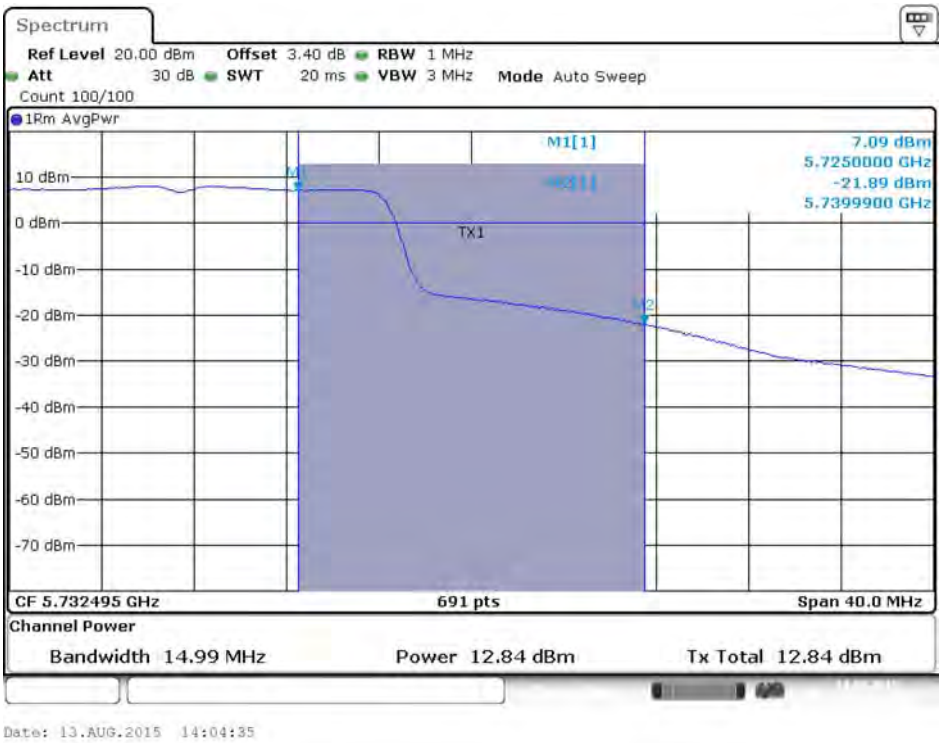


Date: 13.AUG.2015 14:16:29

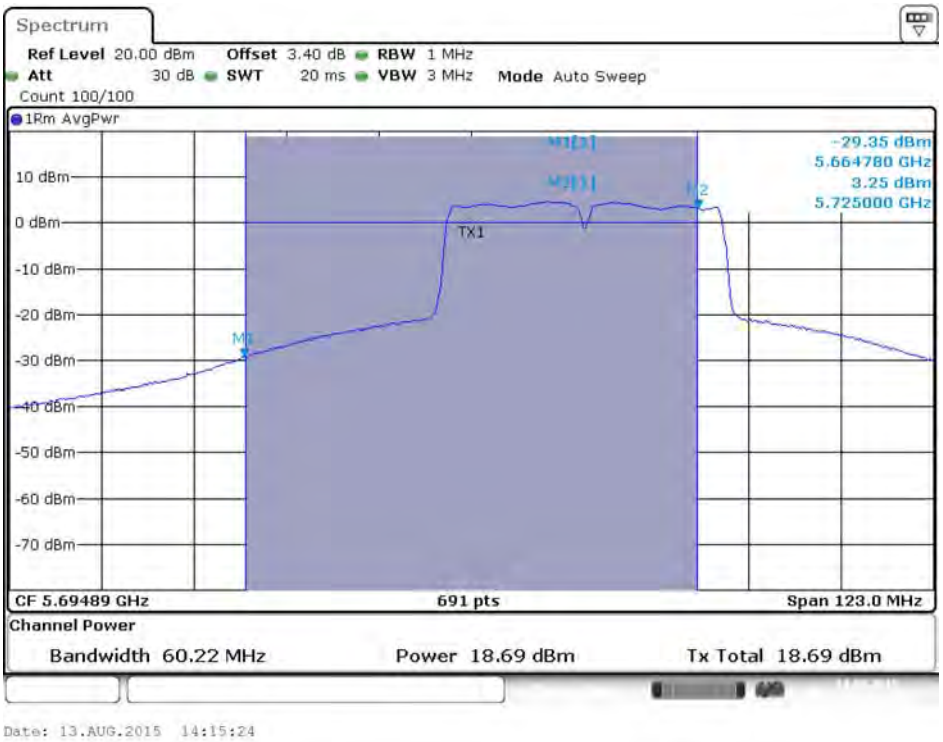
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



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

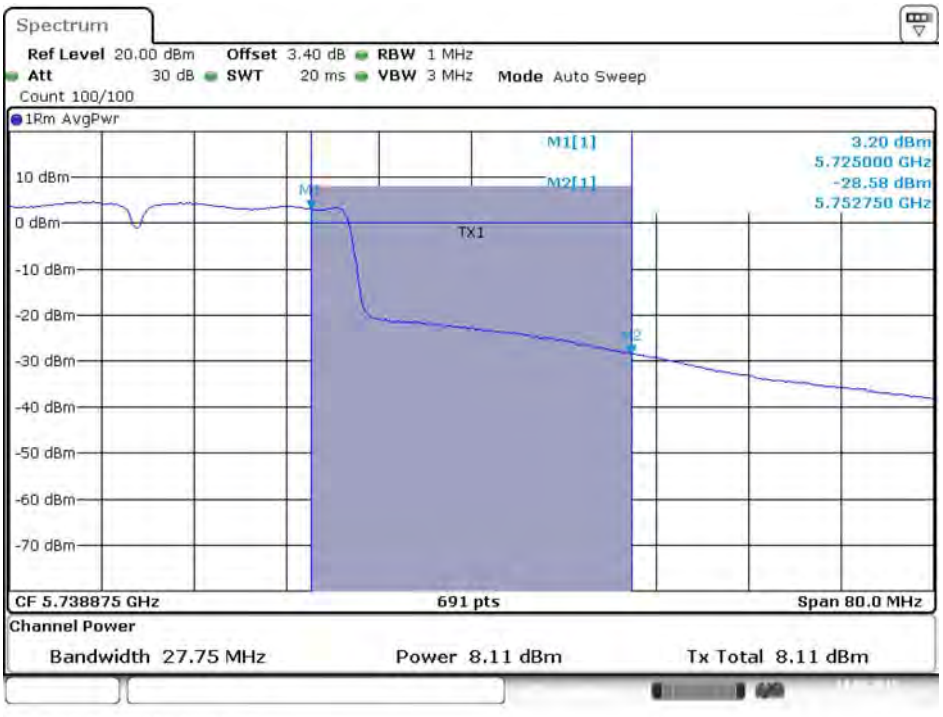


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



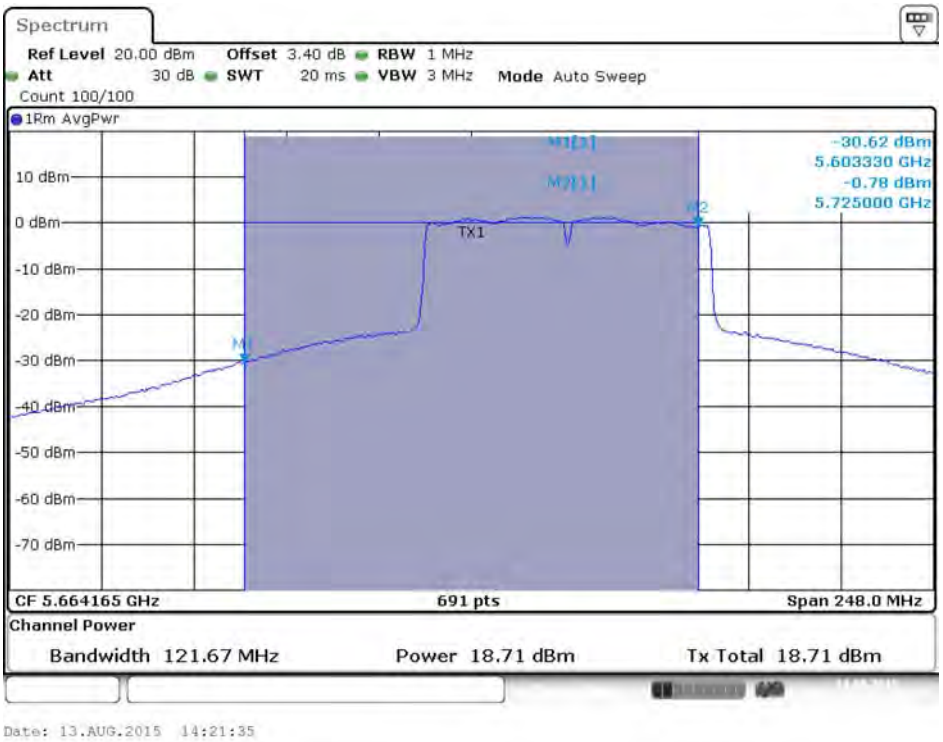
Date: 13.AUG.2015 14:15:24

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

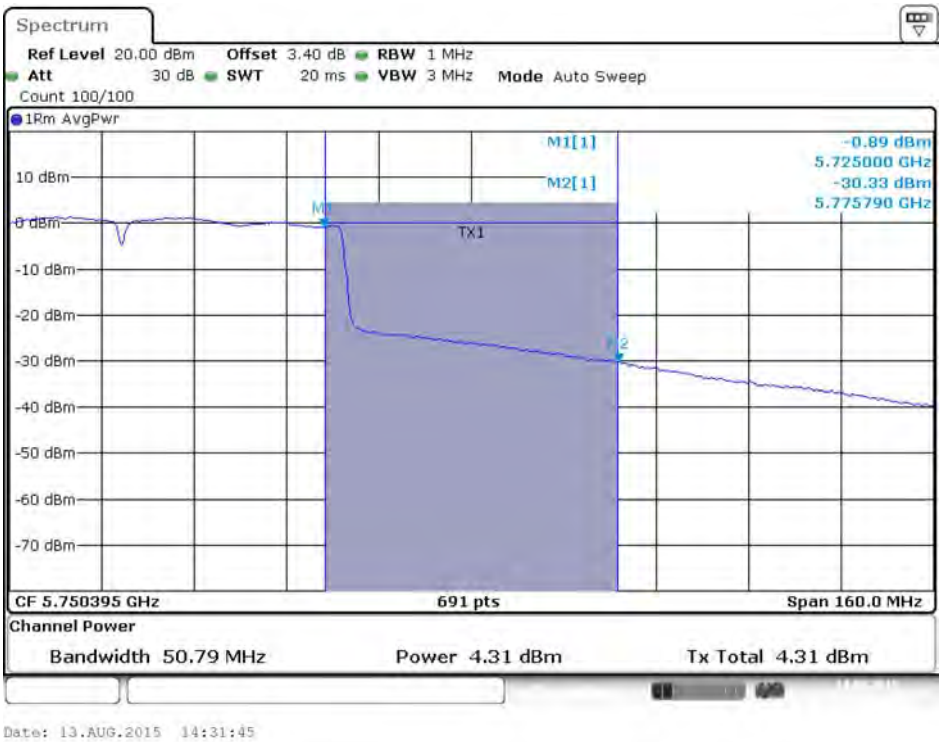


Date: 13.AUG.2015 14:15:28

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

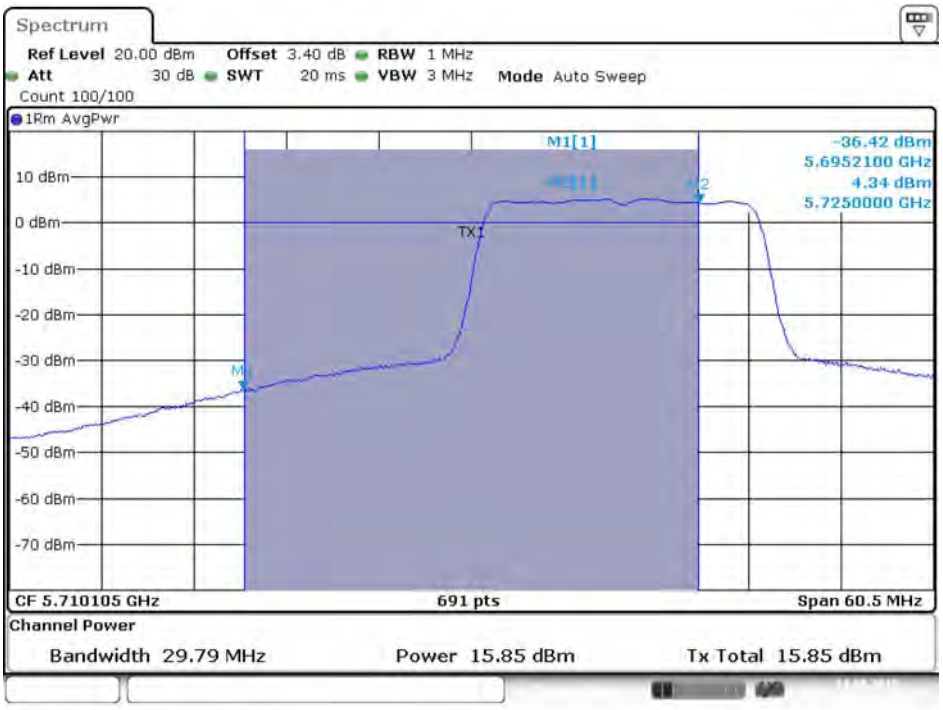


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



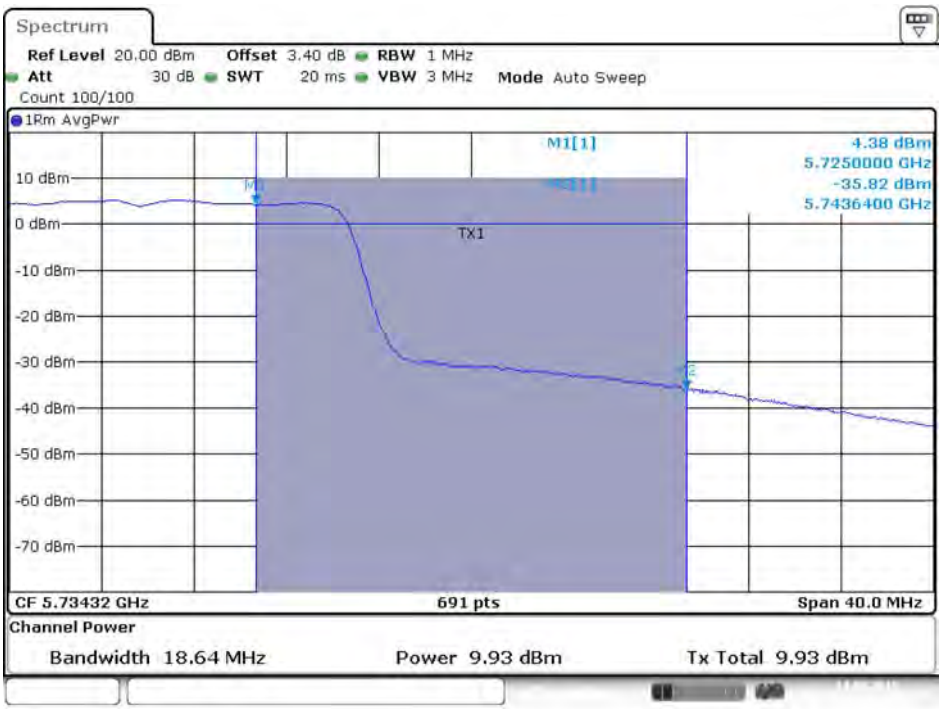
Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)

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



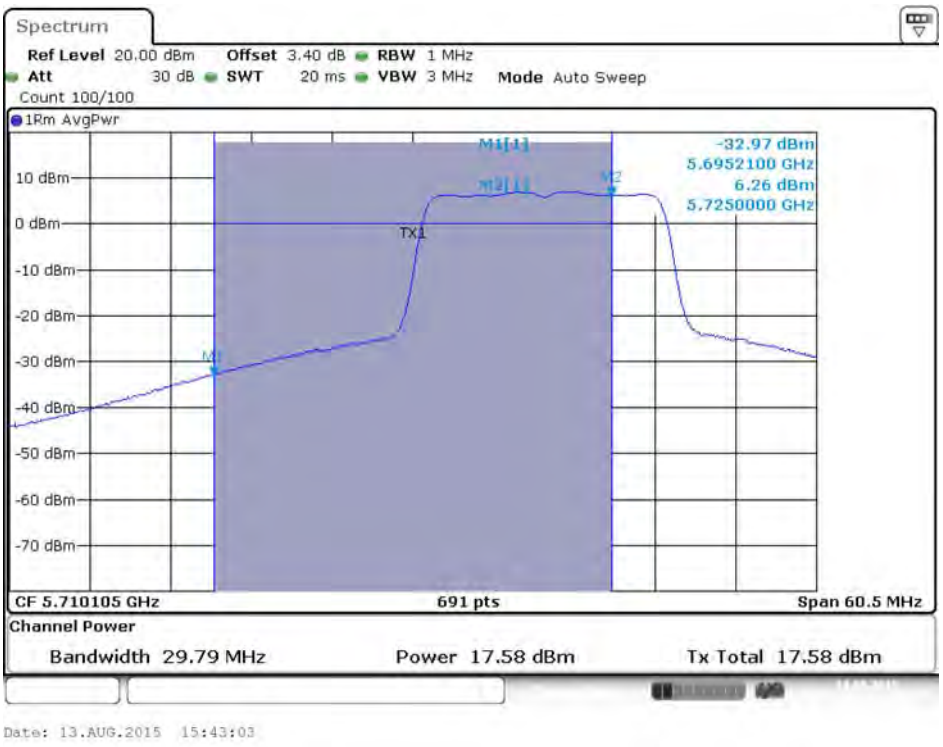
Date: 13.AUG.2015 15:42:56

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

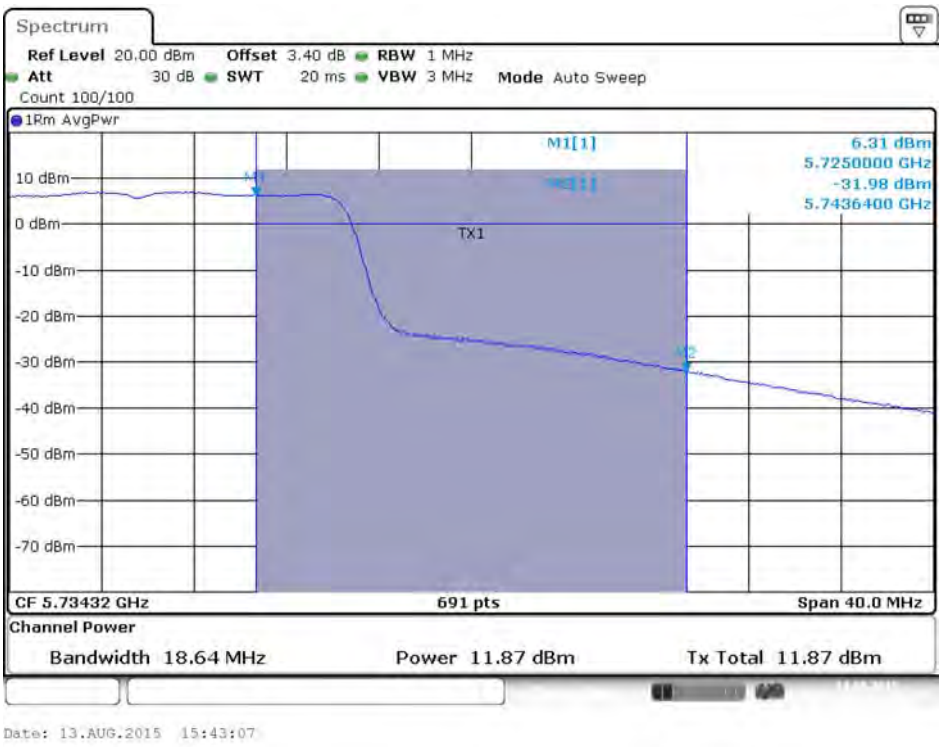


Date: 13.AUG.2015 15:42:59

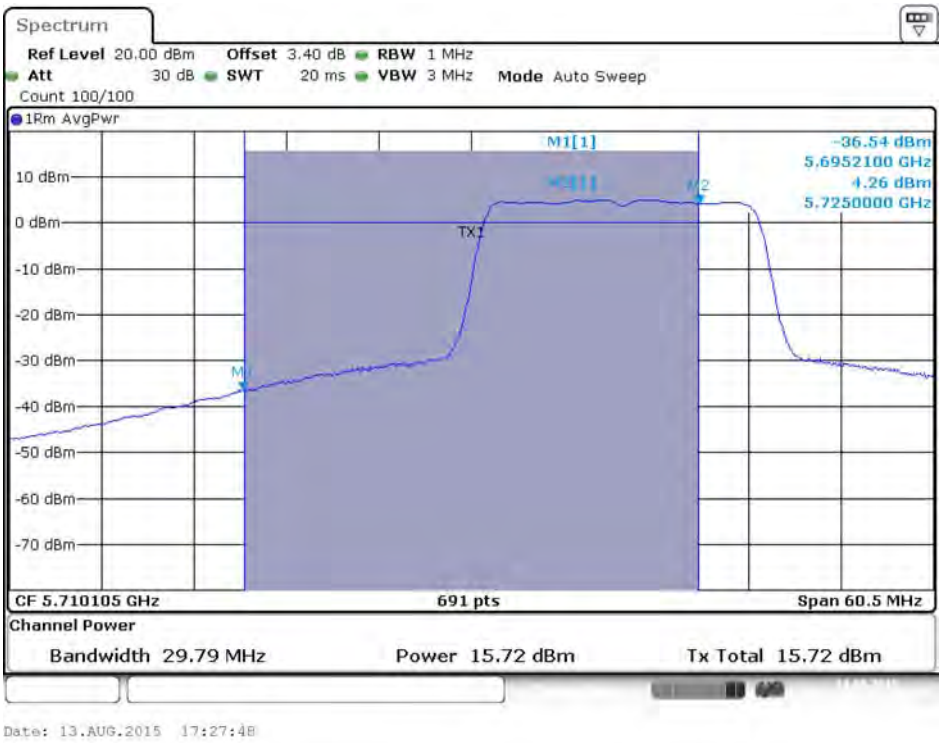
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



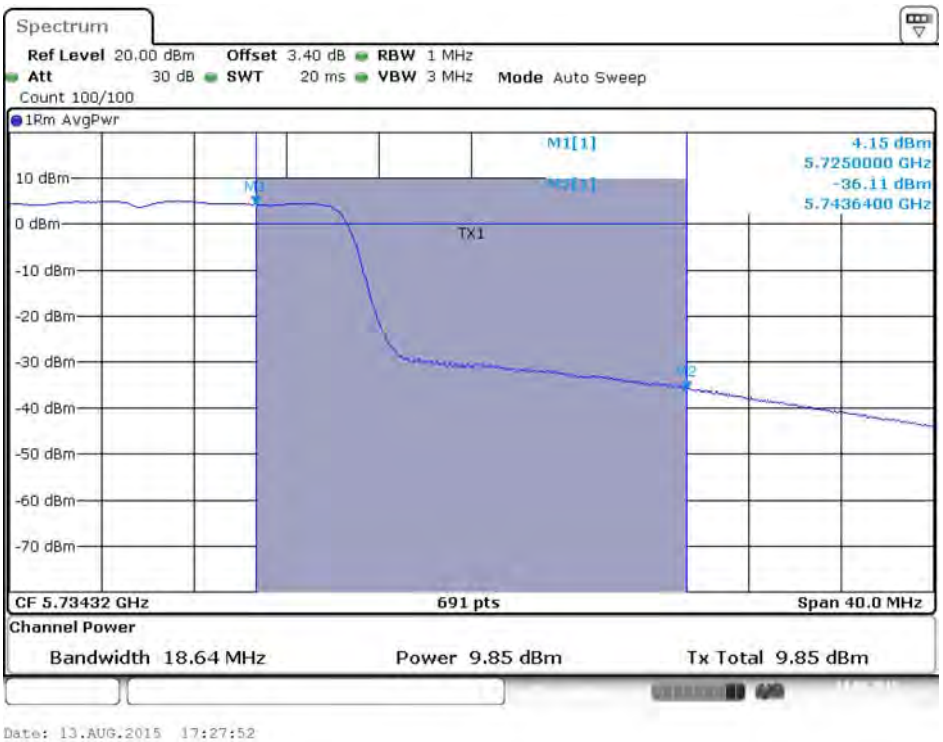
Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



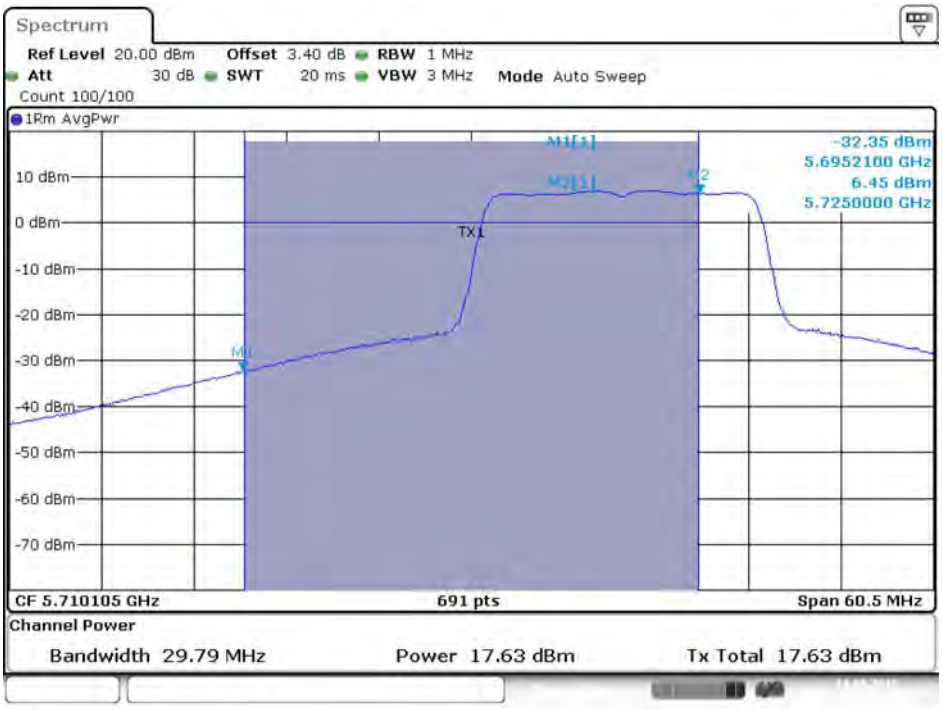
Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 1 / 5720 MHz (UNII 2C)



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

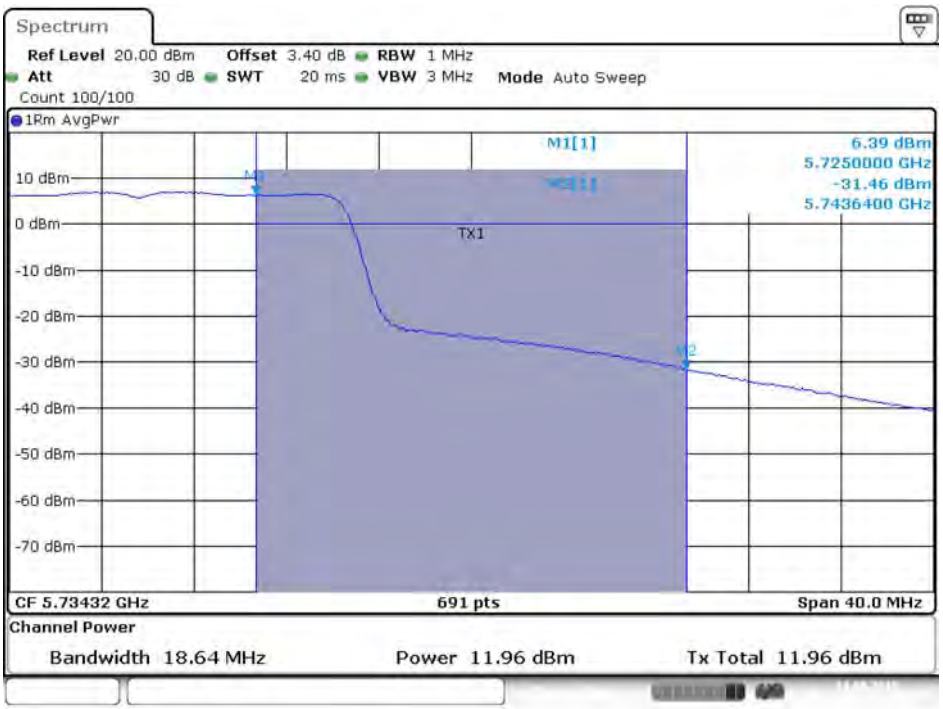


Conducted Output Power Plot on Configuration 802.11n MCS0 HT20 / Chain 2 / 5720 MHz (UNII 2C)



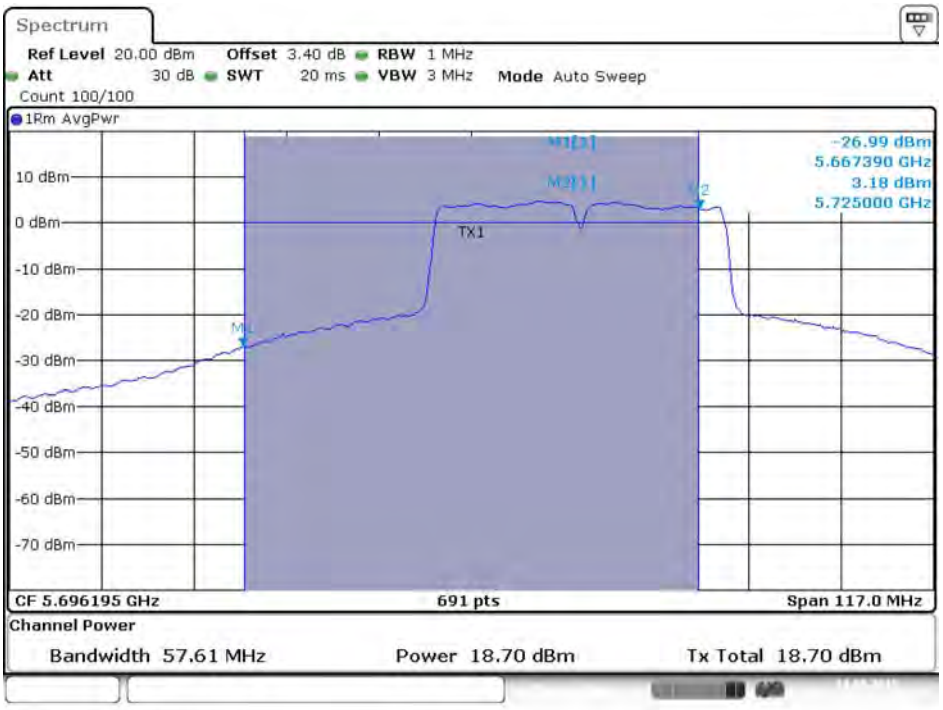
Date: 13.AUG.2015 17:27:55

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



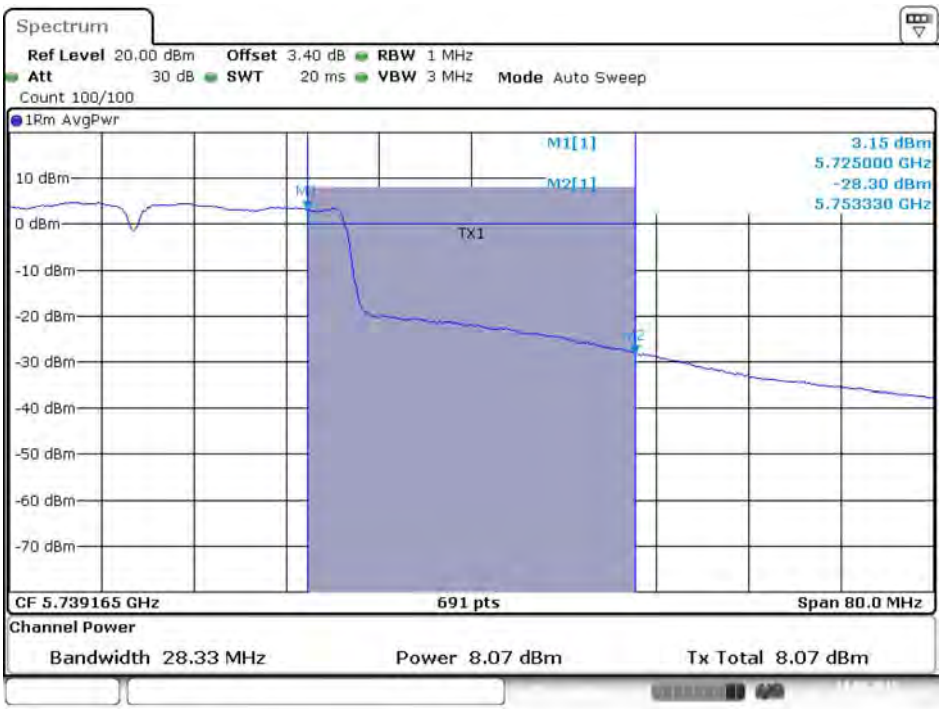
Date: 13.AUG.2015 17:27:59

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



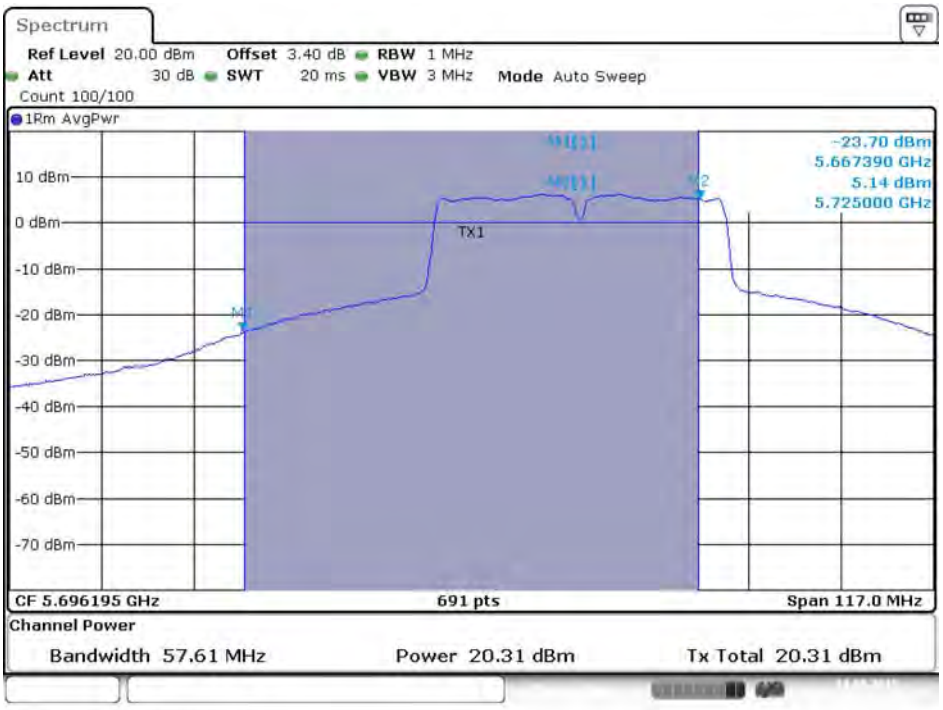
Date: 13.AUG.2015 17:19:30

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



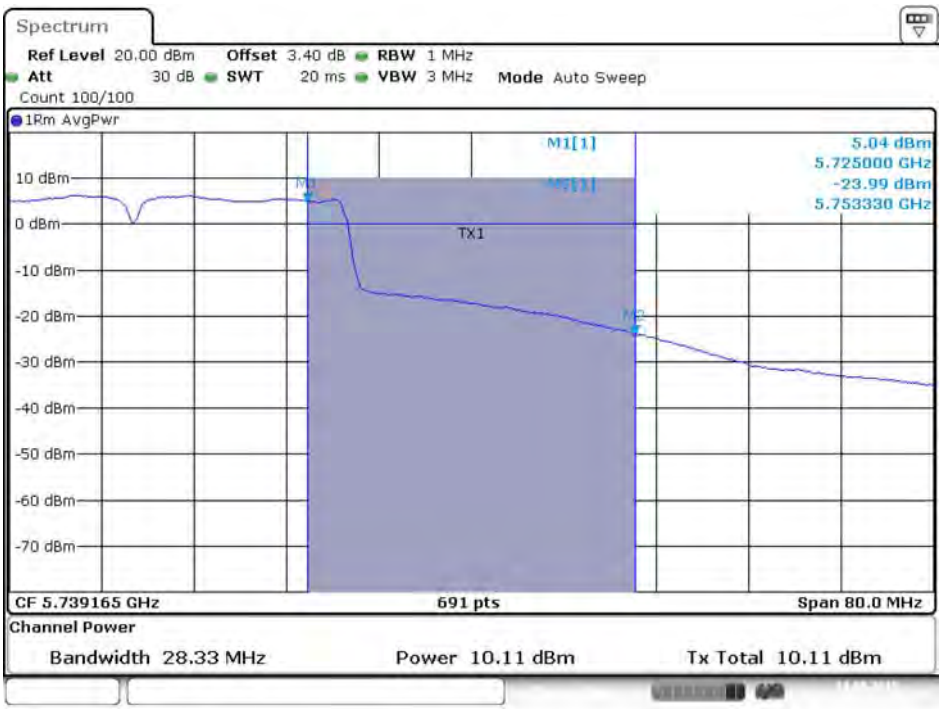
Date: 13.AUG.2015 17:19:34

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



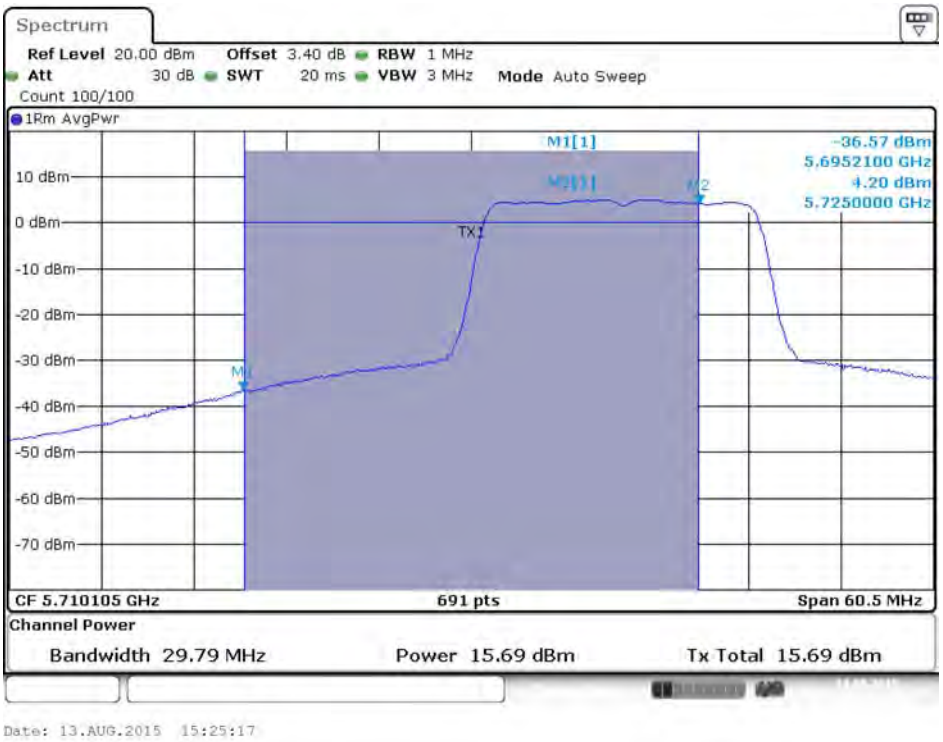
Date: 13.AUG.2015 17:19:37

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

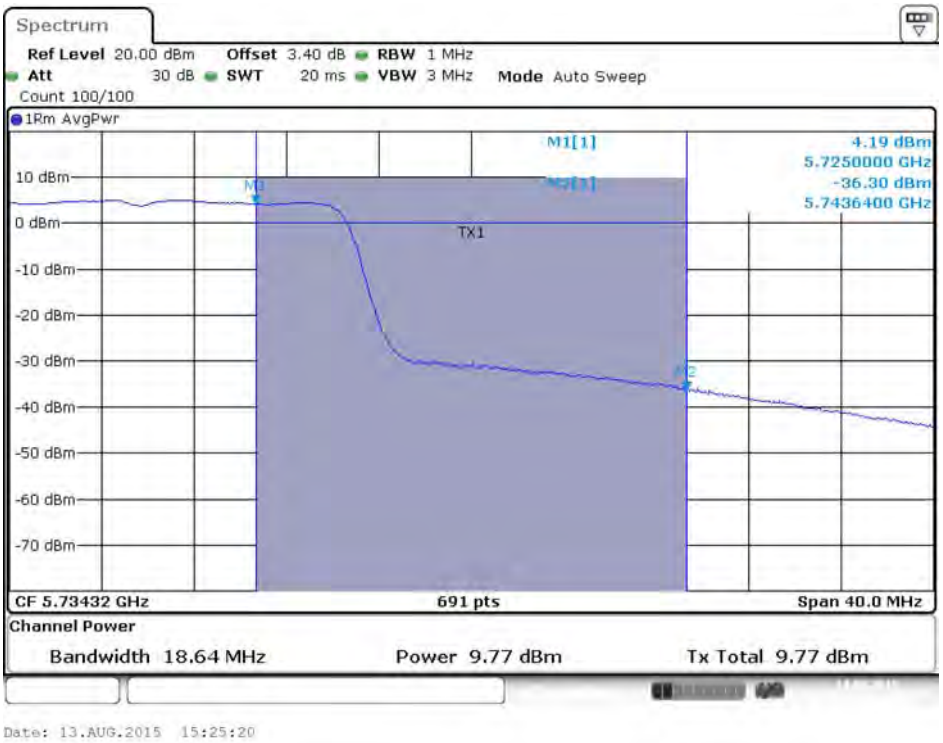


Date: 13.AUG.2015 17:19:41

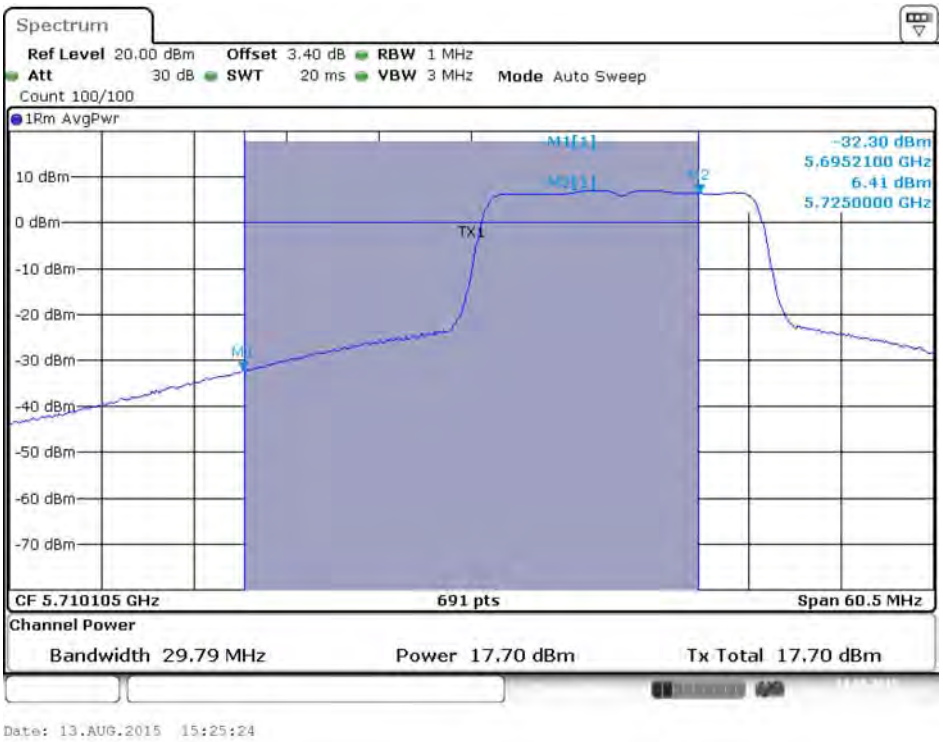
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



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

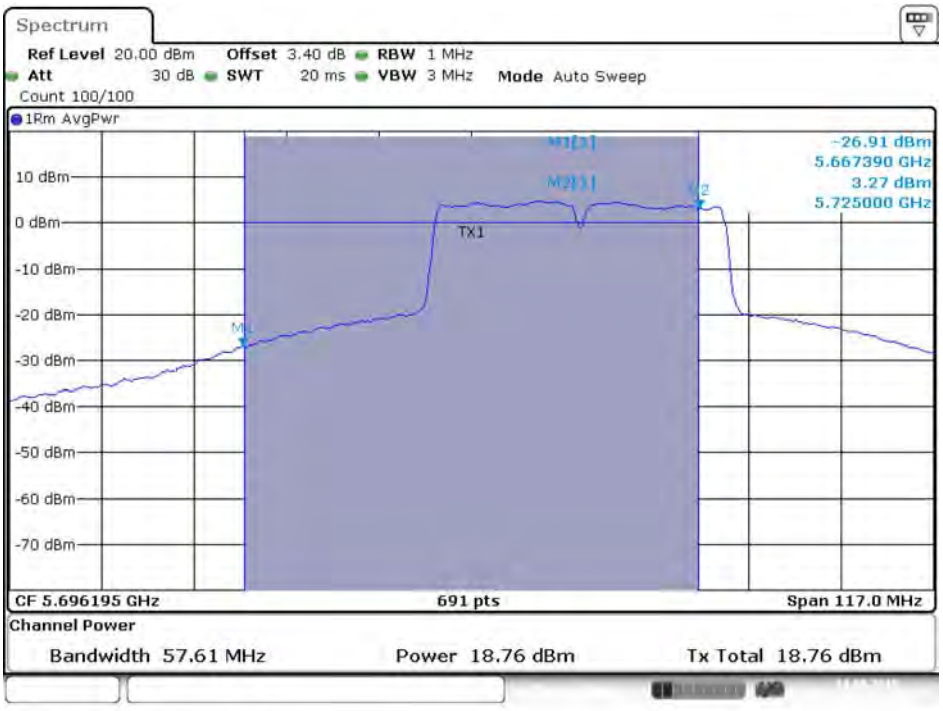


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



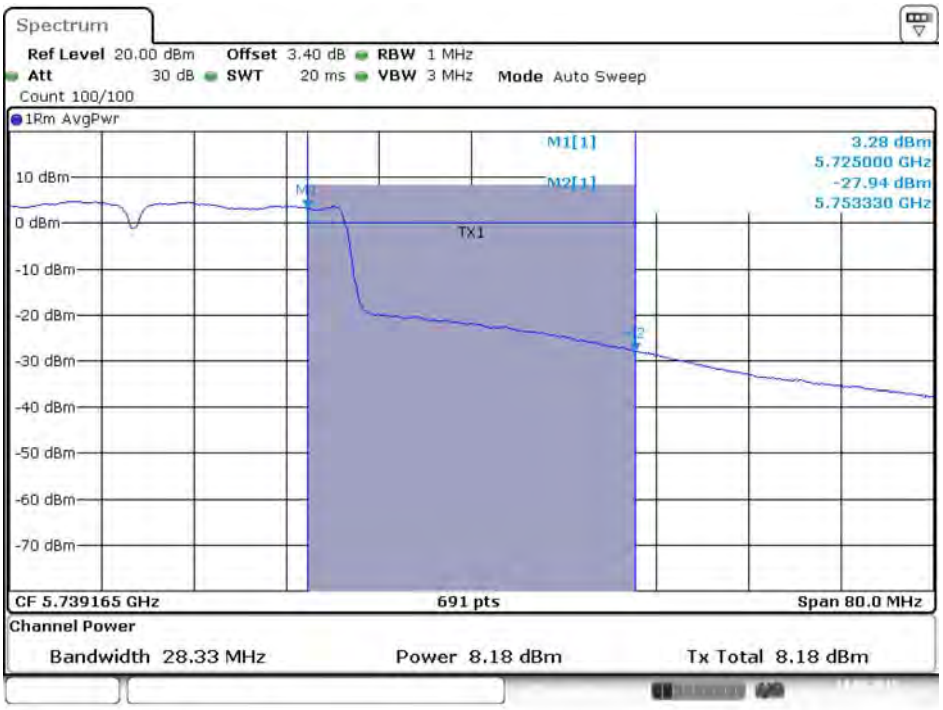
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)

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



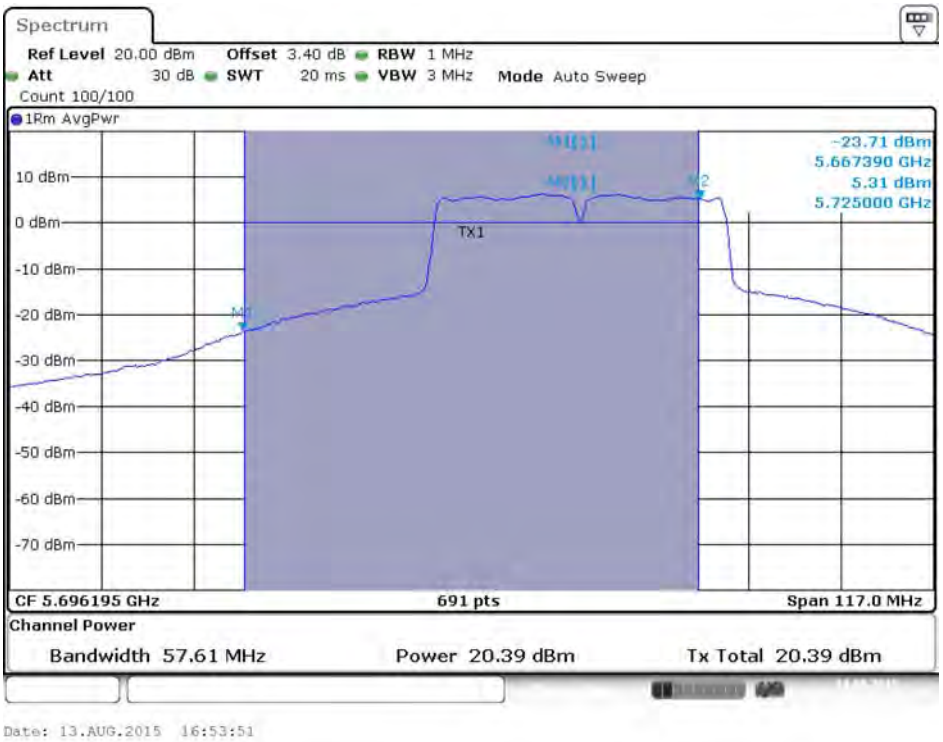
Date: 13.AUG.2015 16:53:44

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



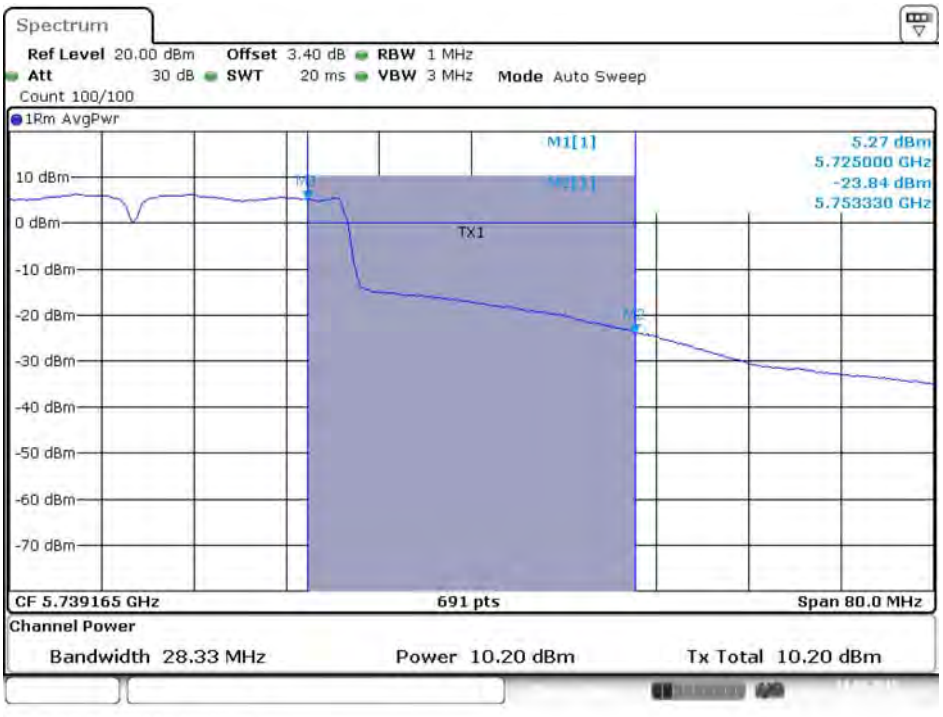
Date: 13.AUG.2015 16:53:47

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



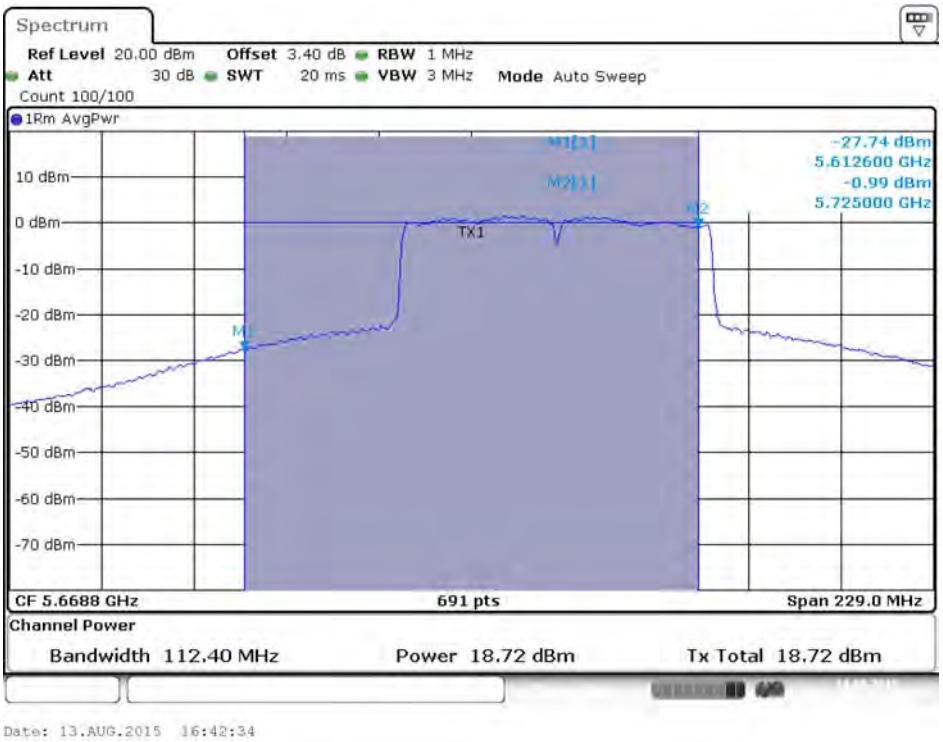
Date: 13.AUG.2015 16:53:51

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



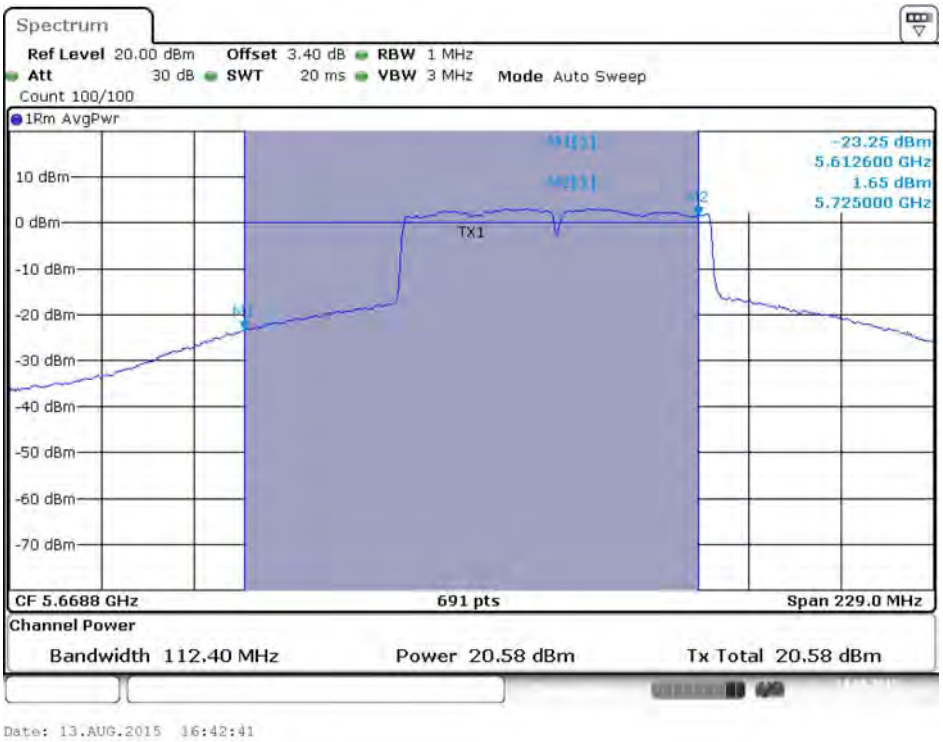
Date: 13.AUG.2015 16:53:55

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)



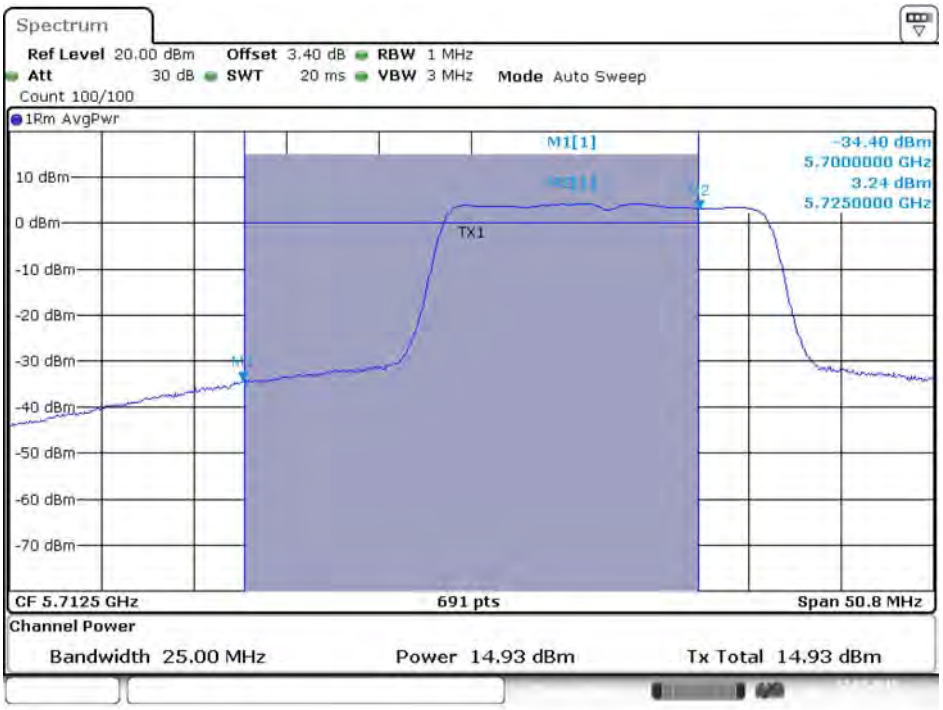
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

<For Beamforming Mode>

Straddle Channel: indoor / outdoor use

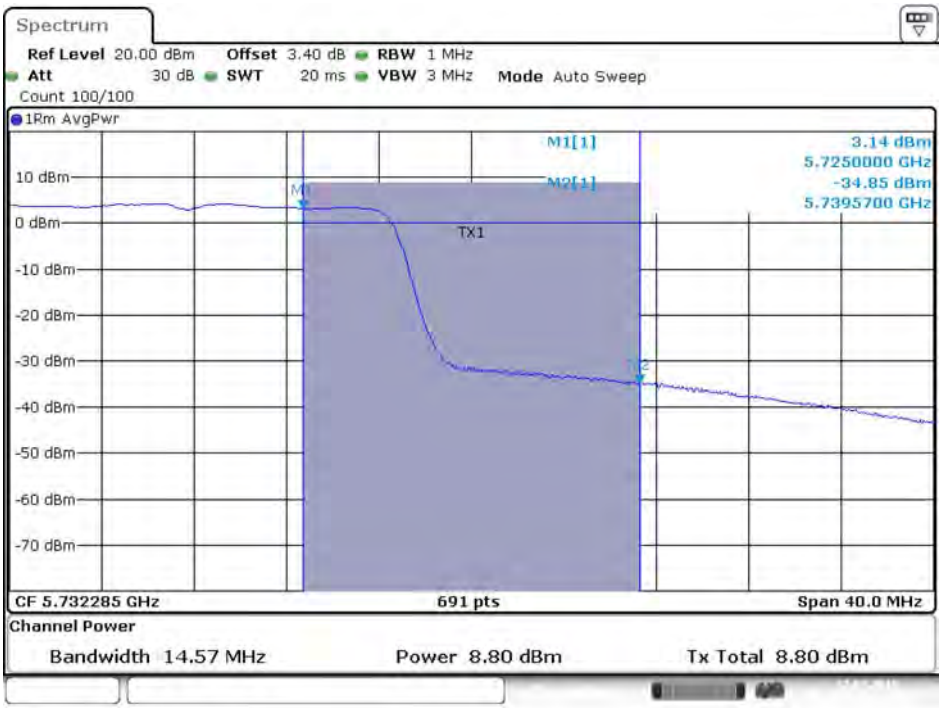
Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)

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



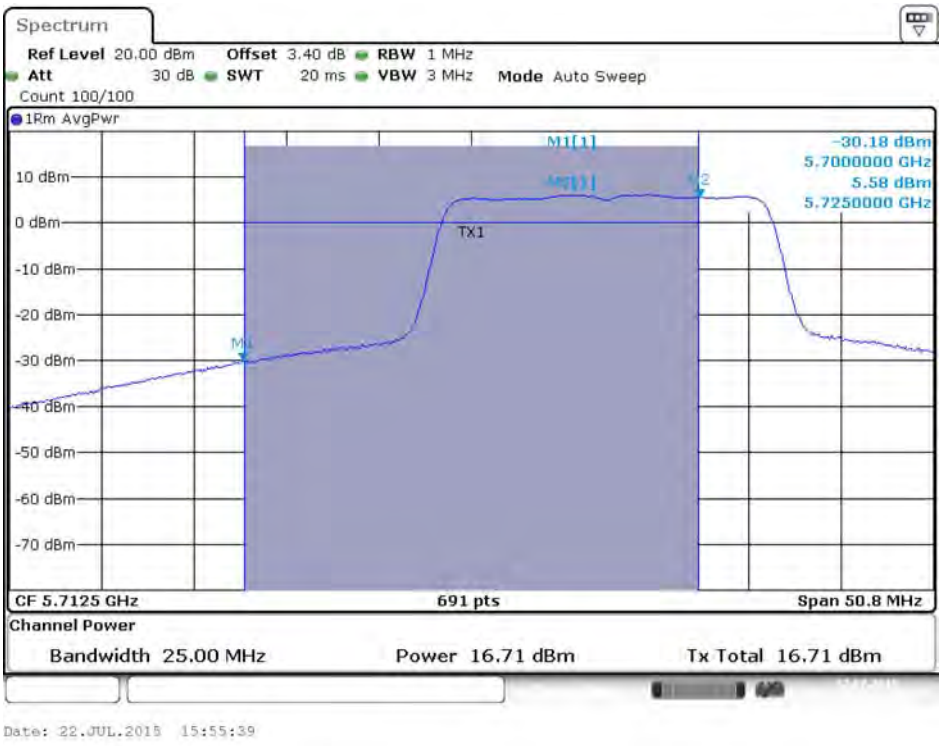
Date: 22.JUL.2015 15:55:31

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)



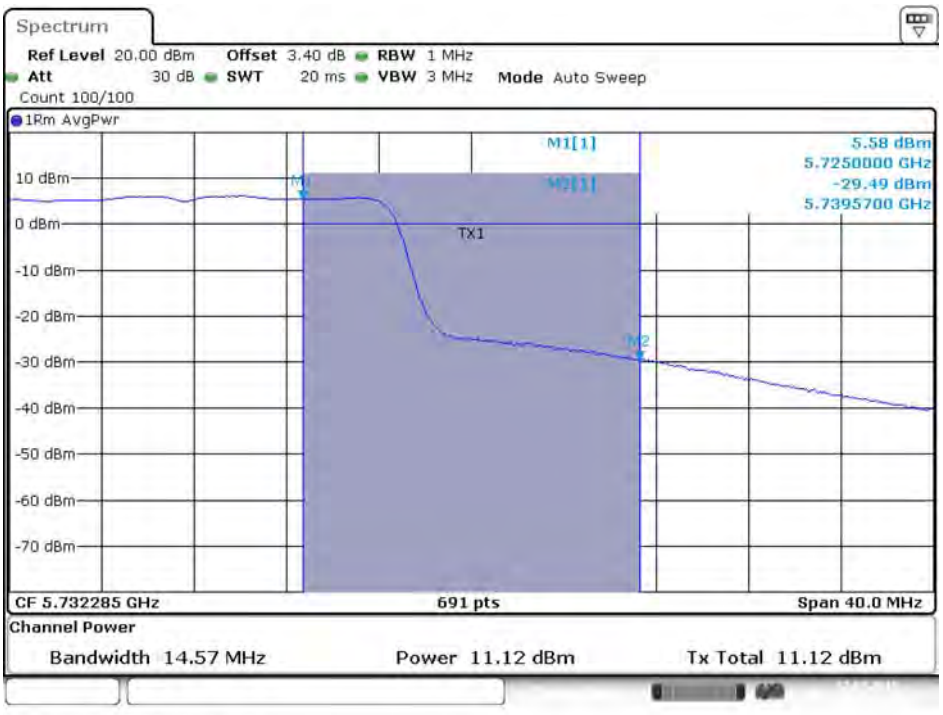
Date: 22.JUL.2015 15:55:35

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



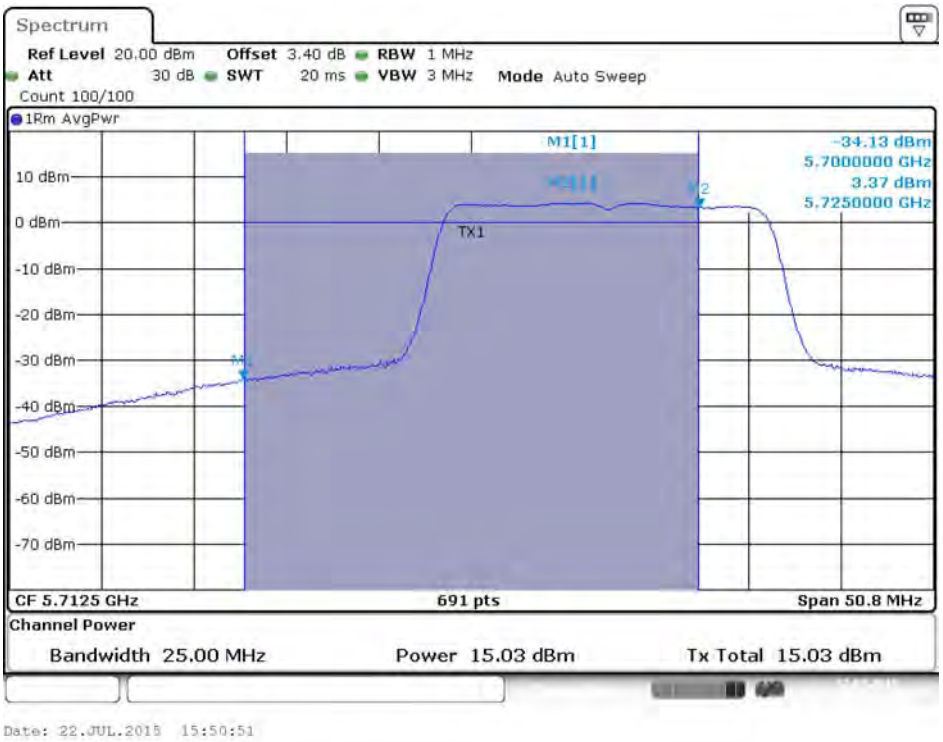
Date: 22.JUL.2015 15:55:39

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



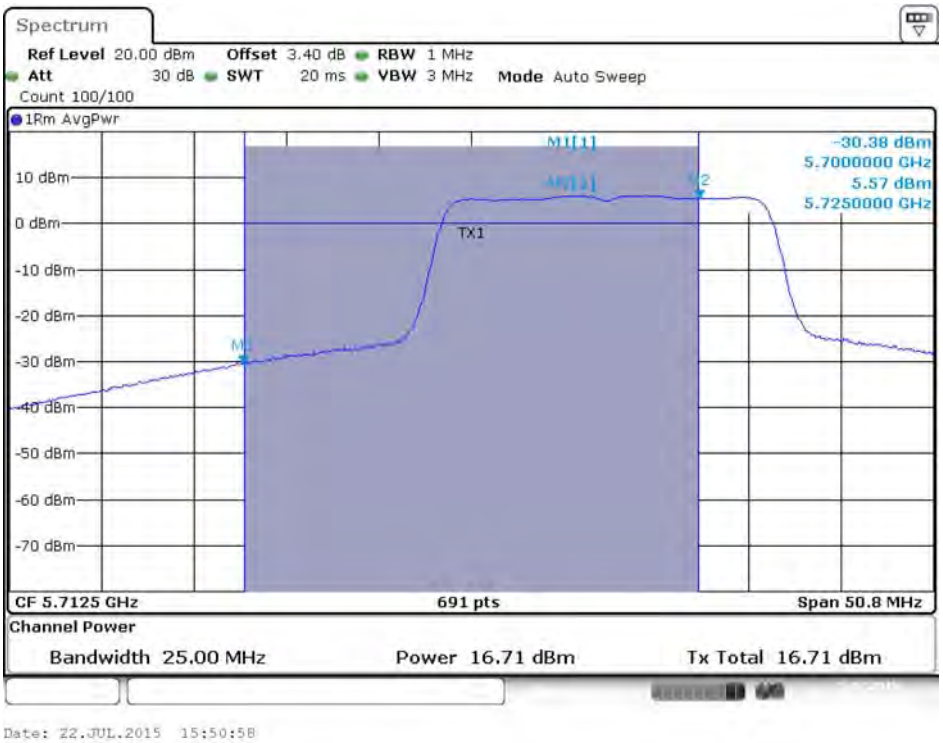
Date: 22.JUL.2015 15:55:42

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

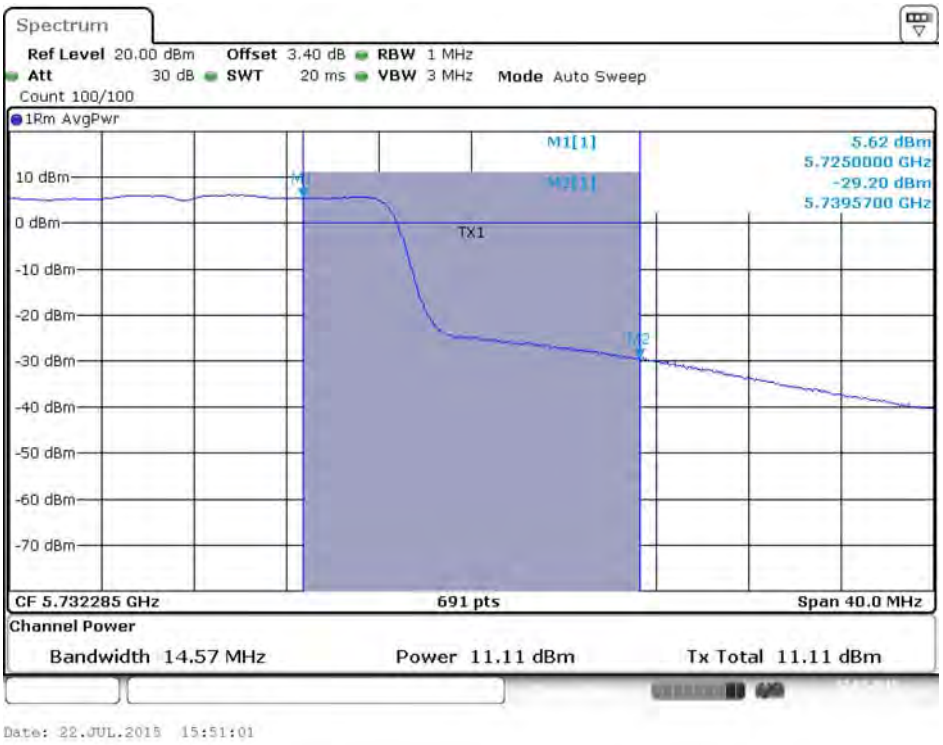


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)

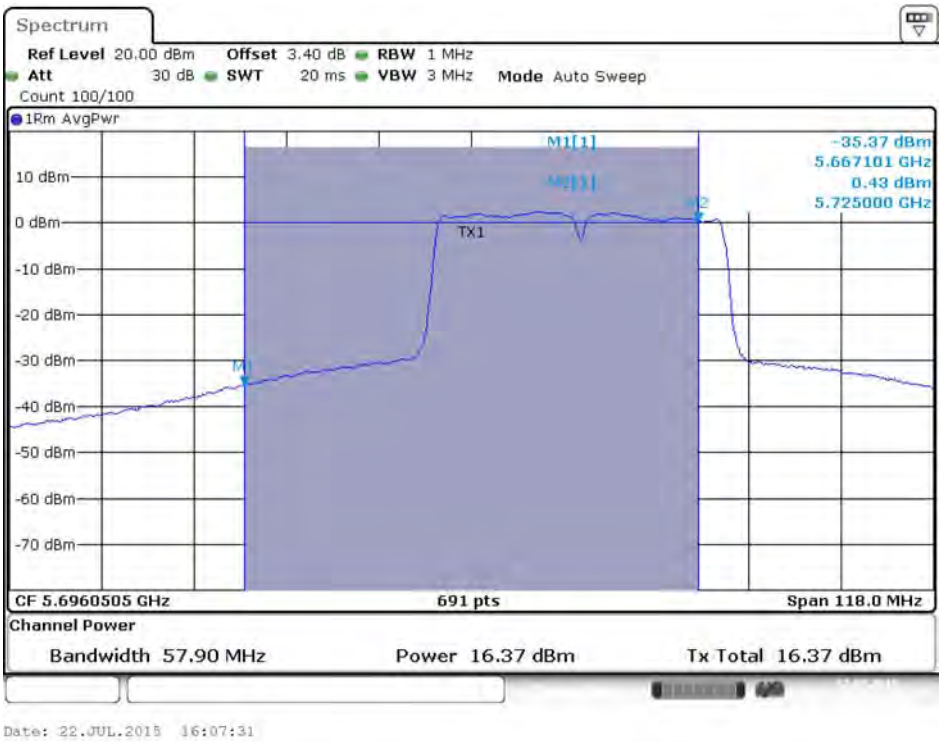
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



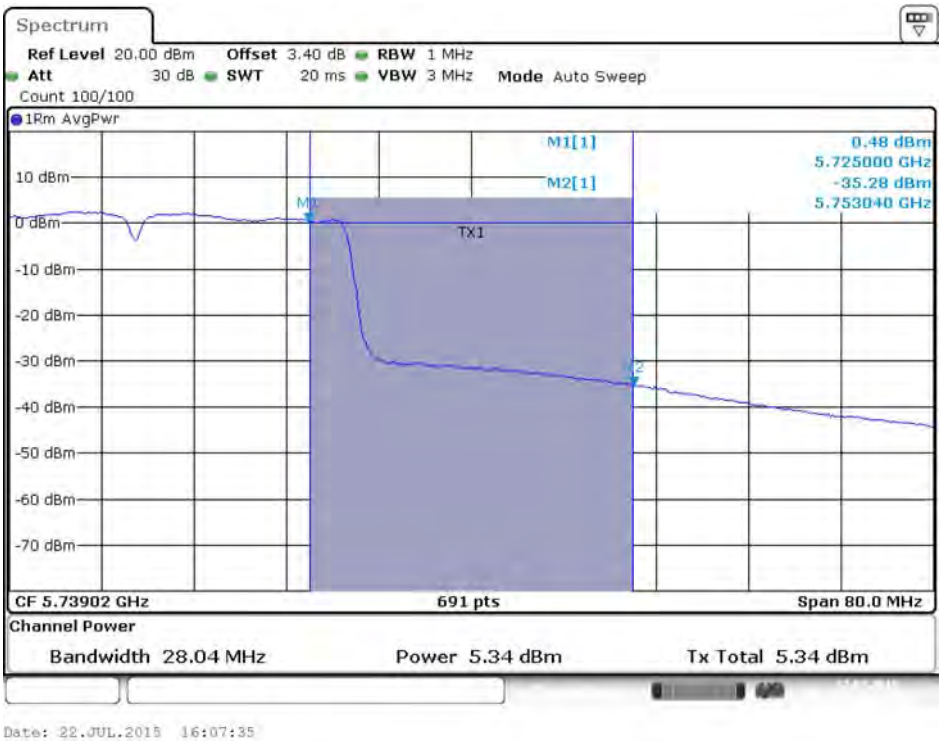
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



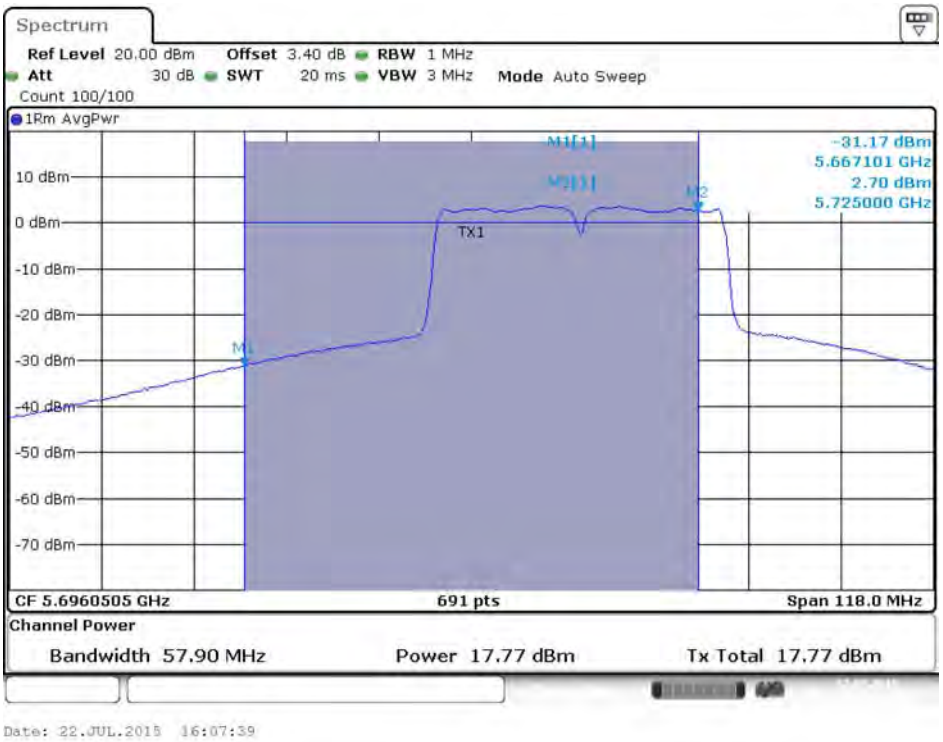
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



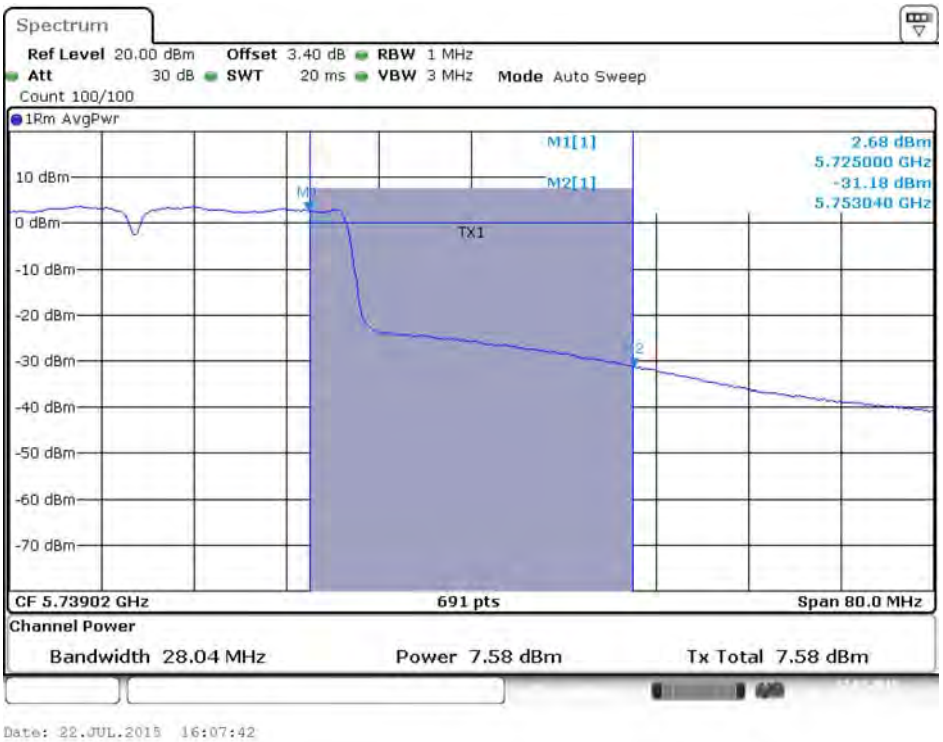
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



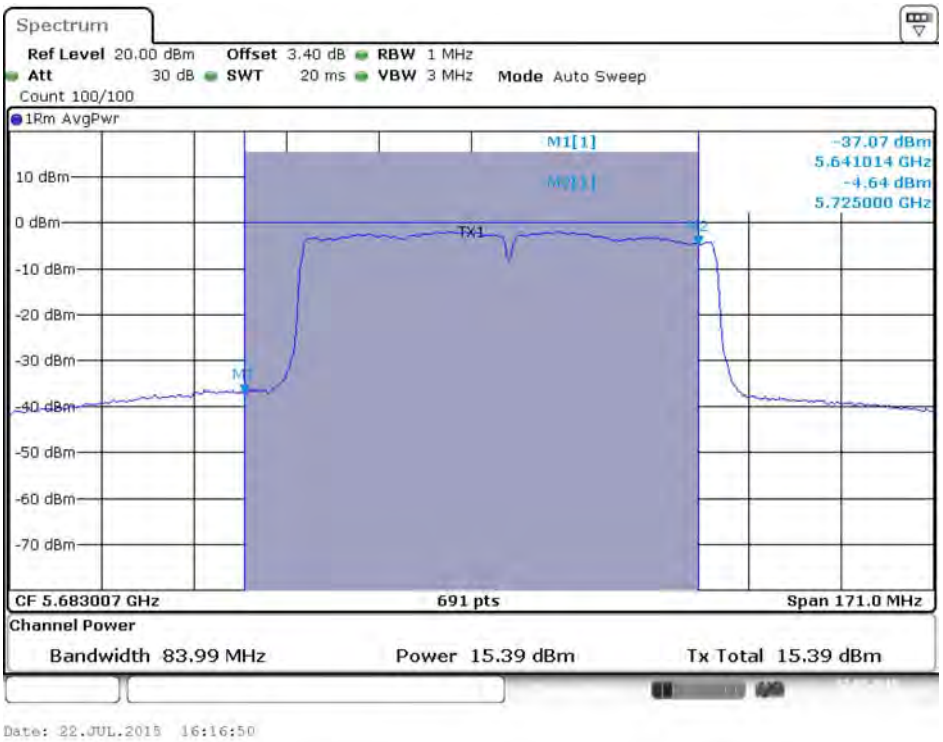
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



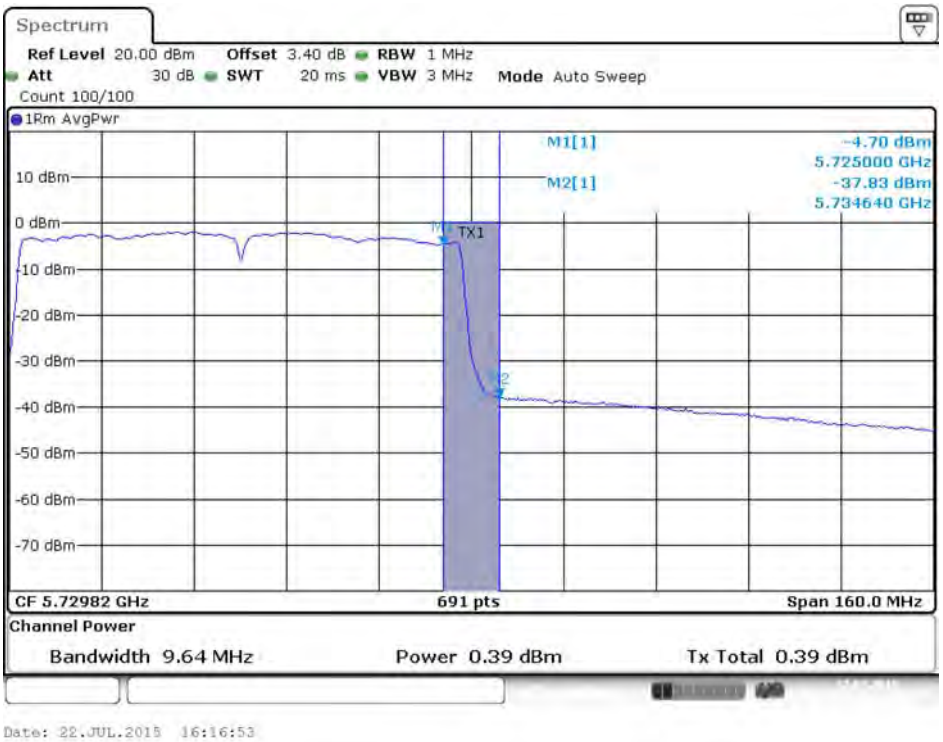
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



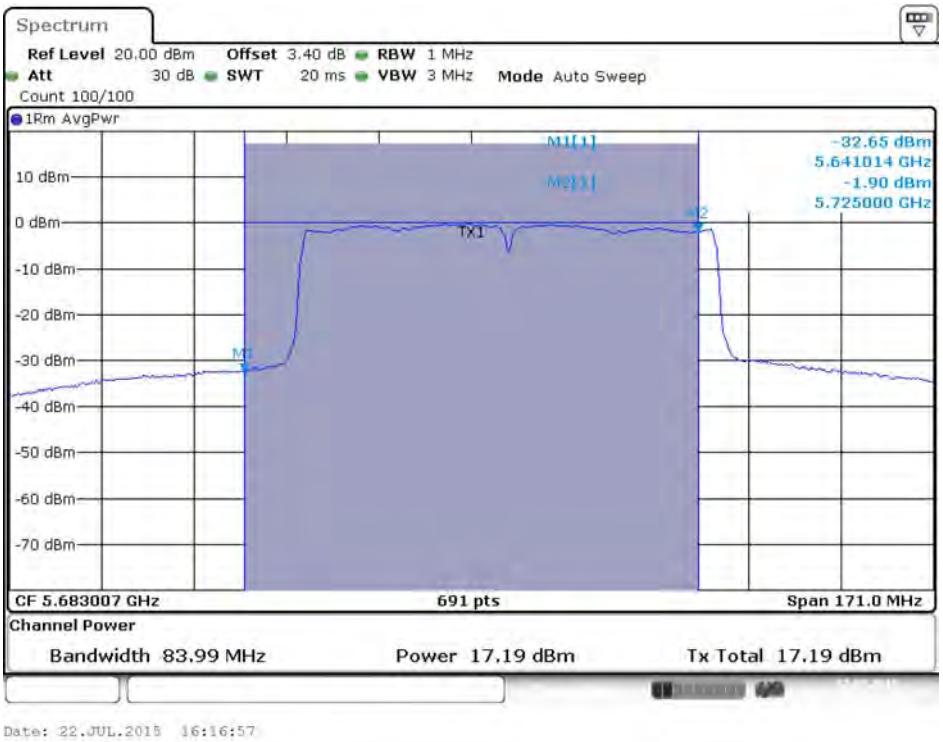
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



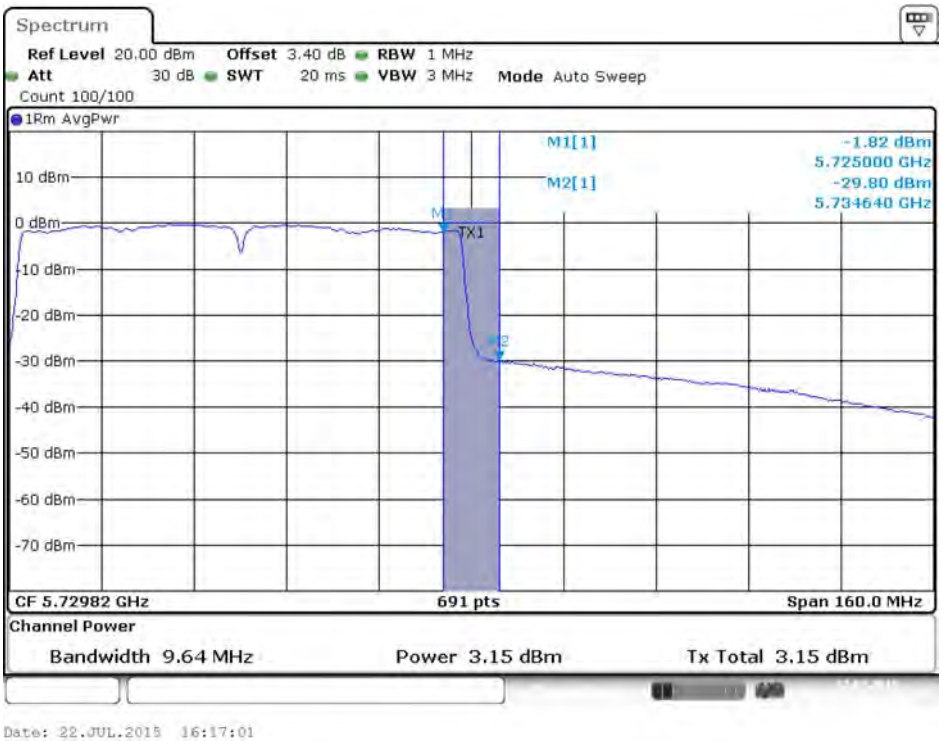
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



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

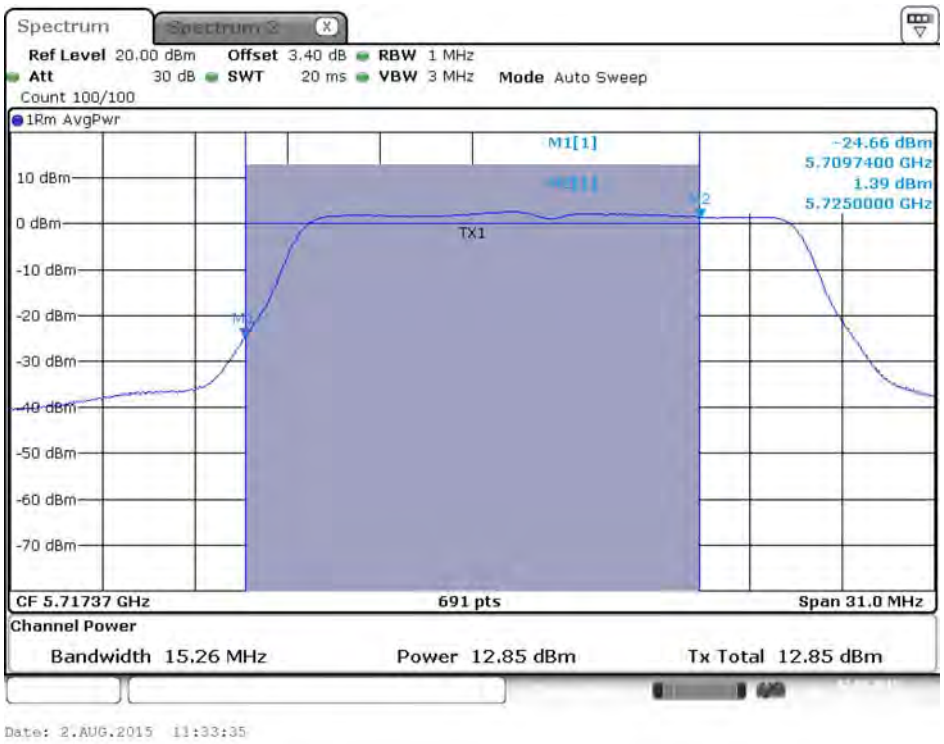


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



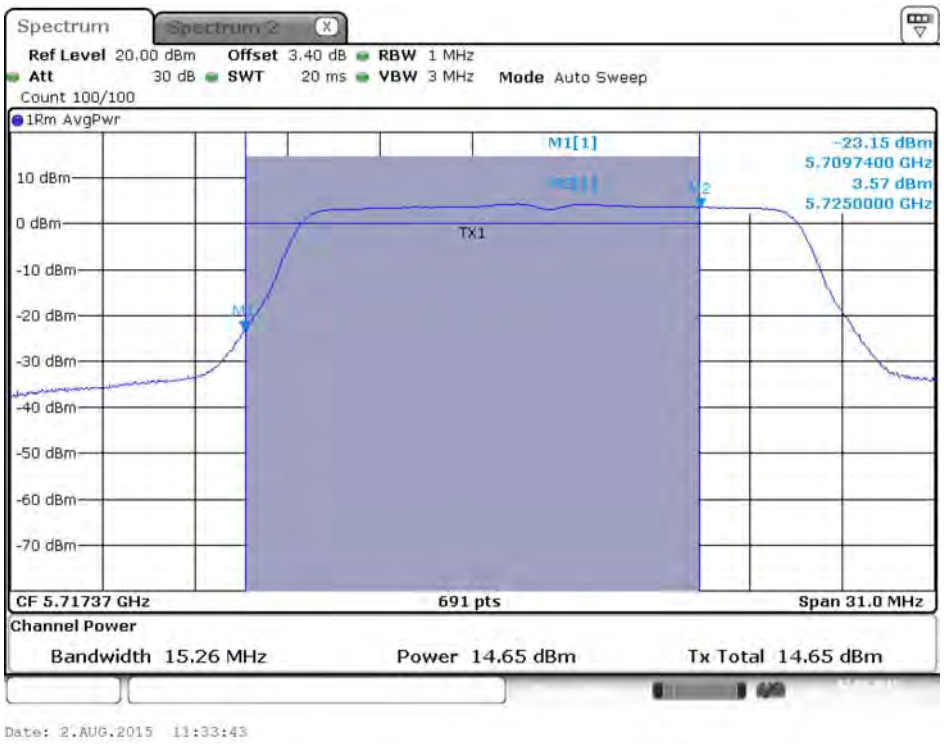
Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)

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

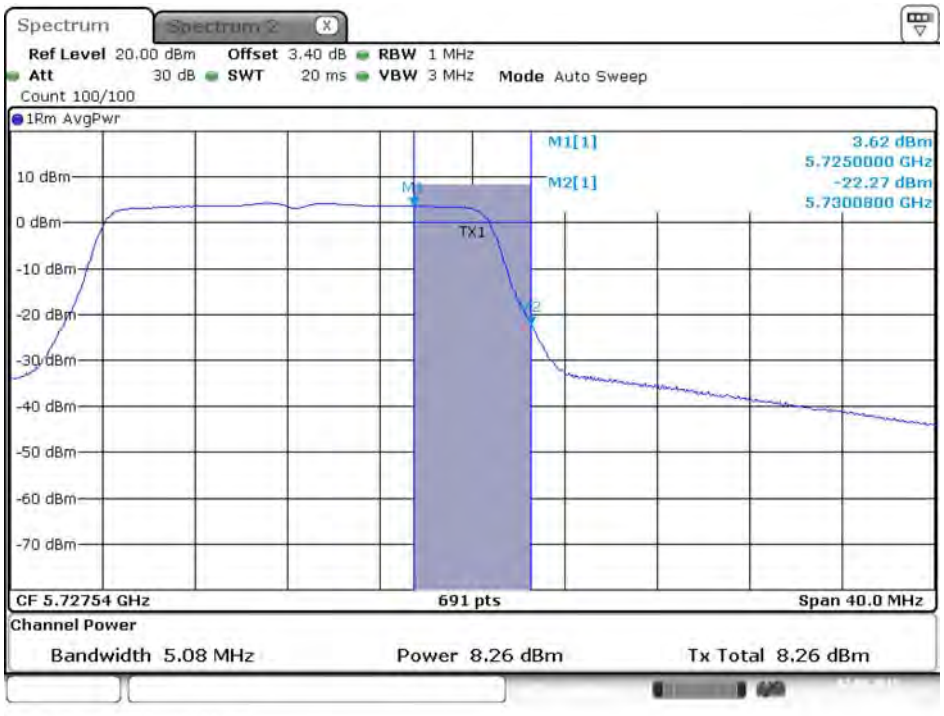


Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

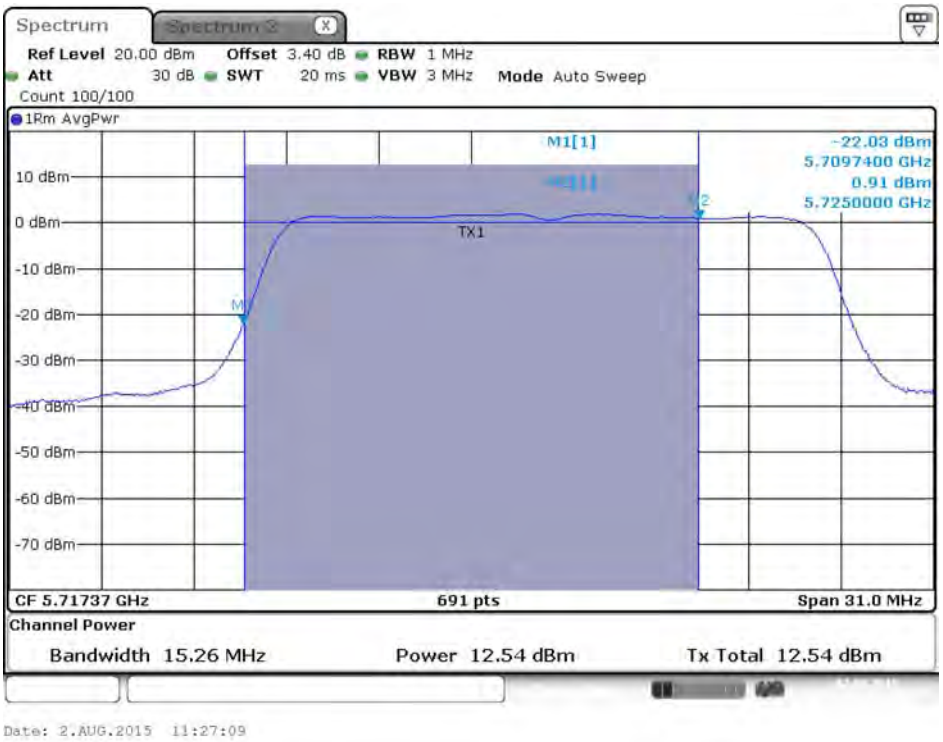
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)

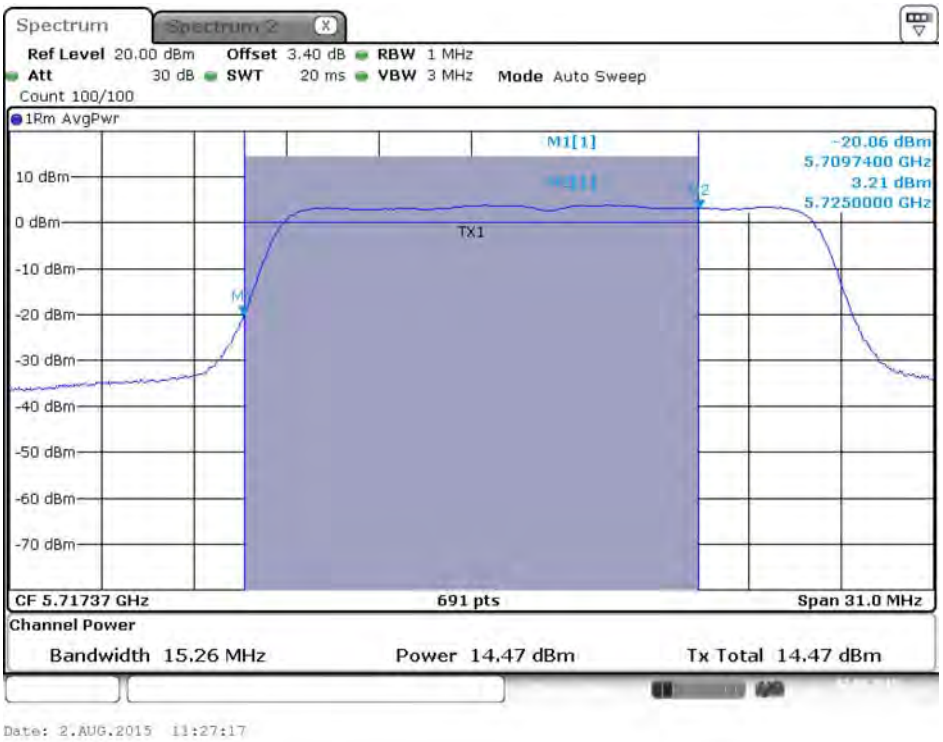


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



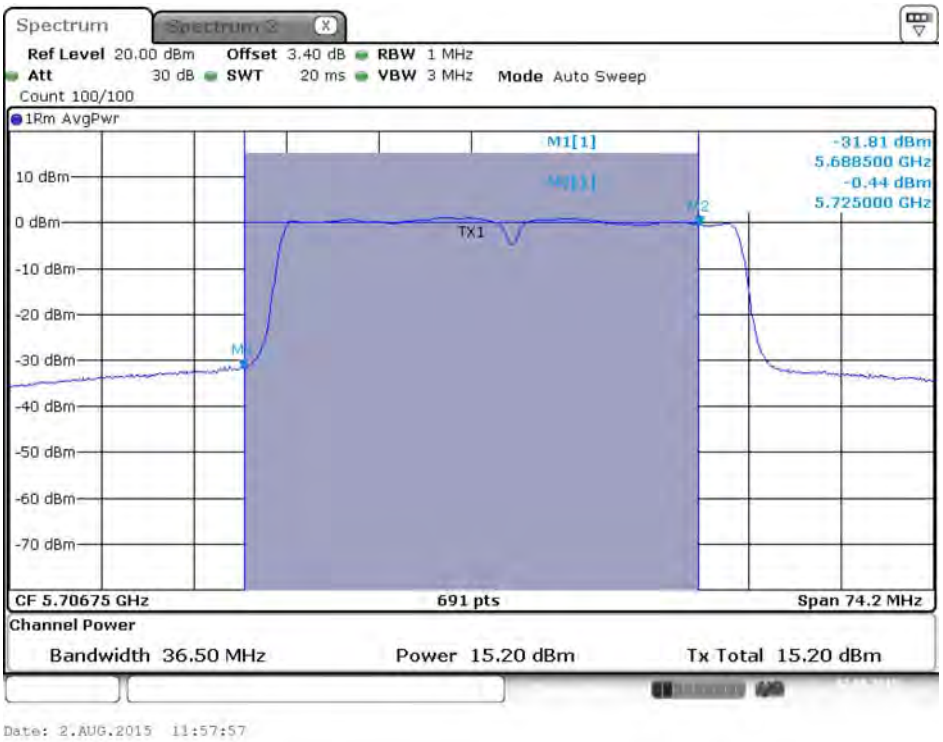
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)

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



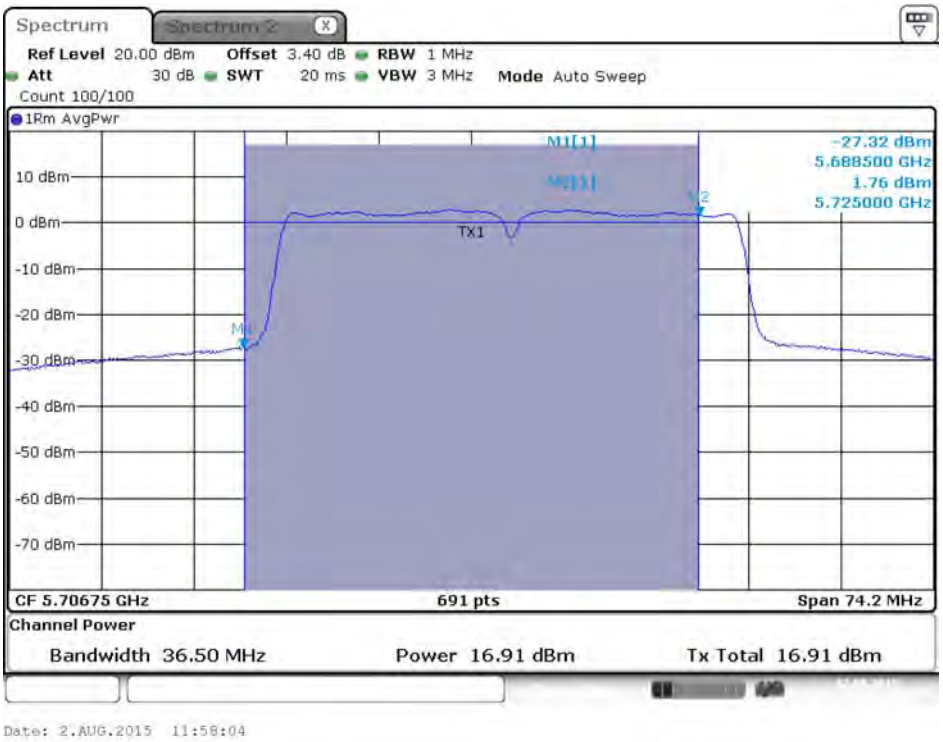
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)

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



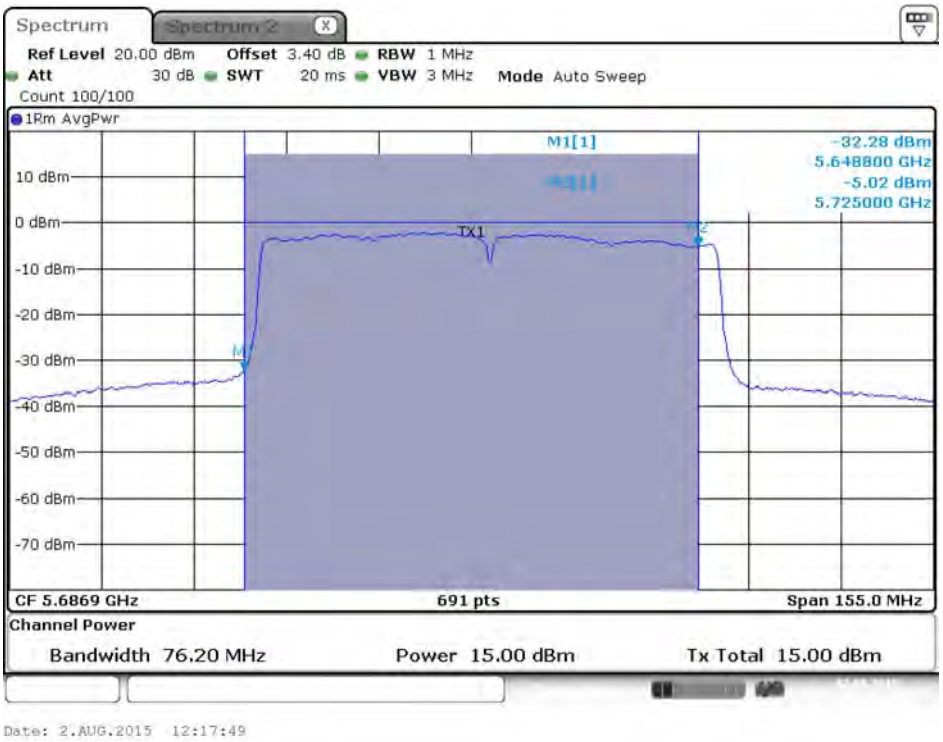
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)

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



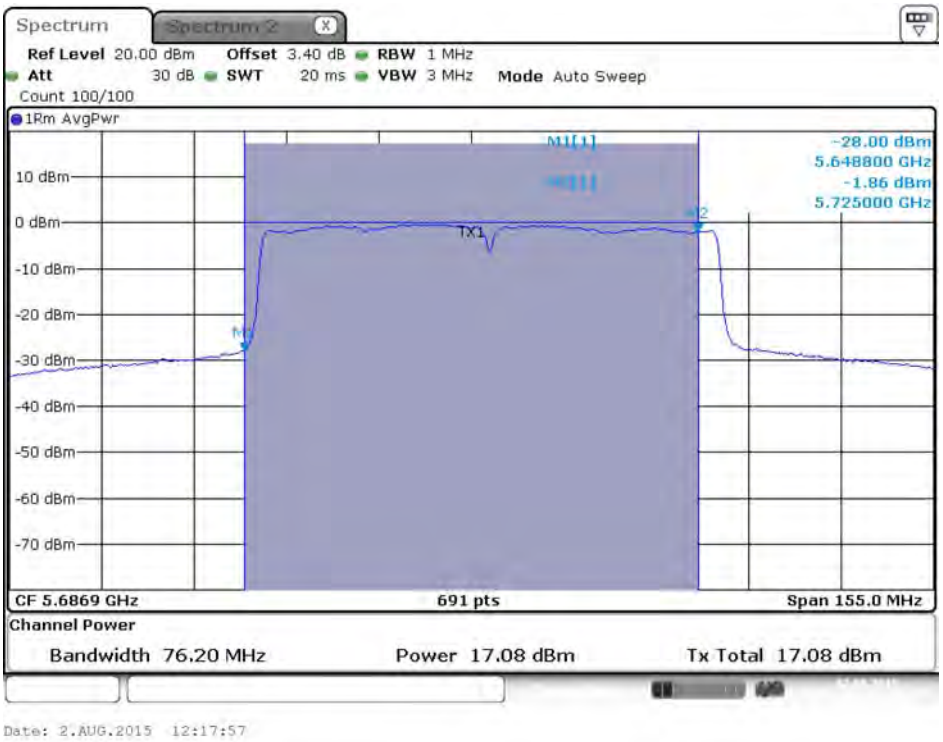
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)

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

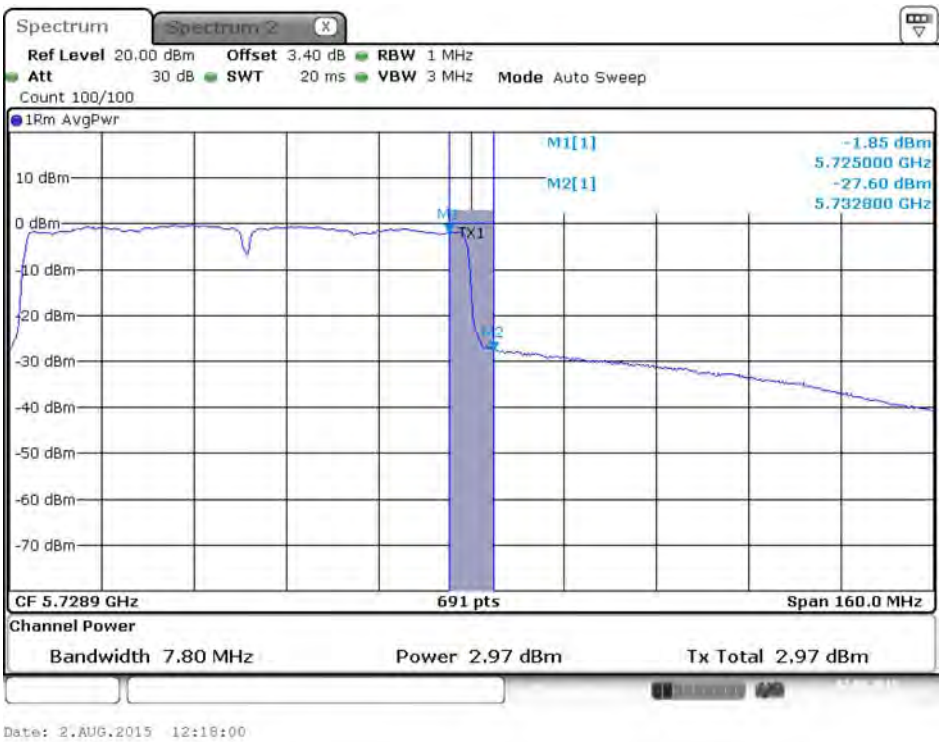


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

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

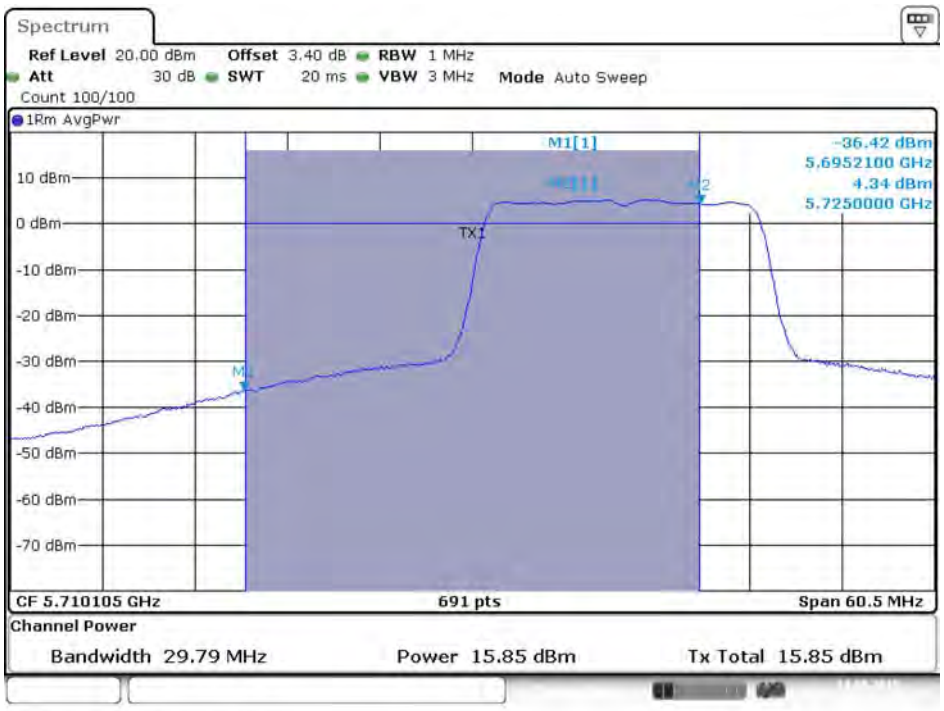


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



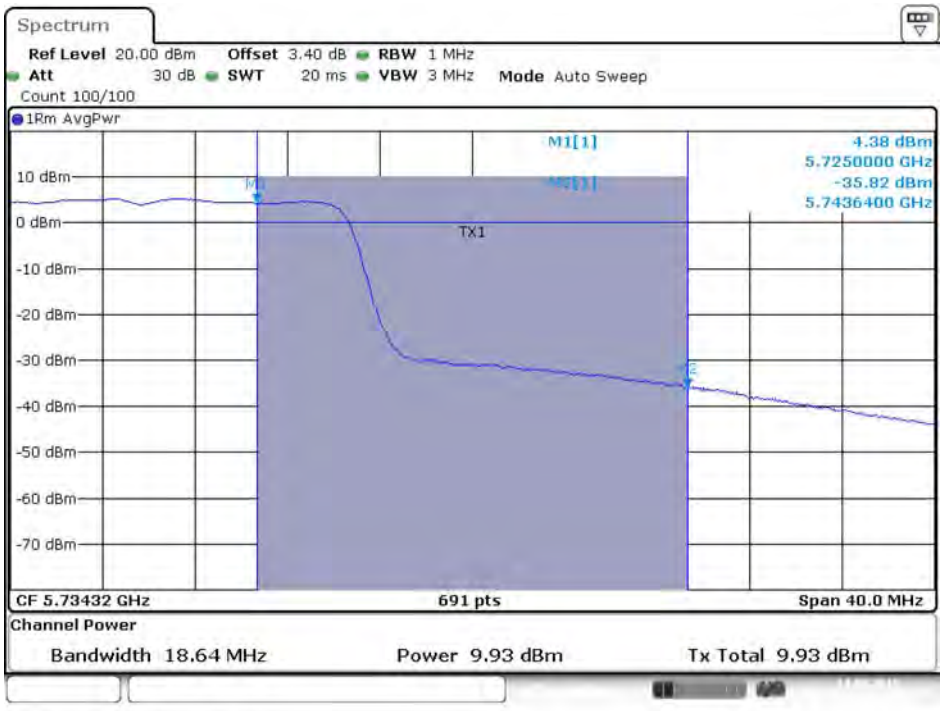
Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)

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



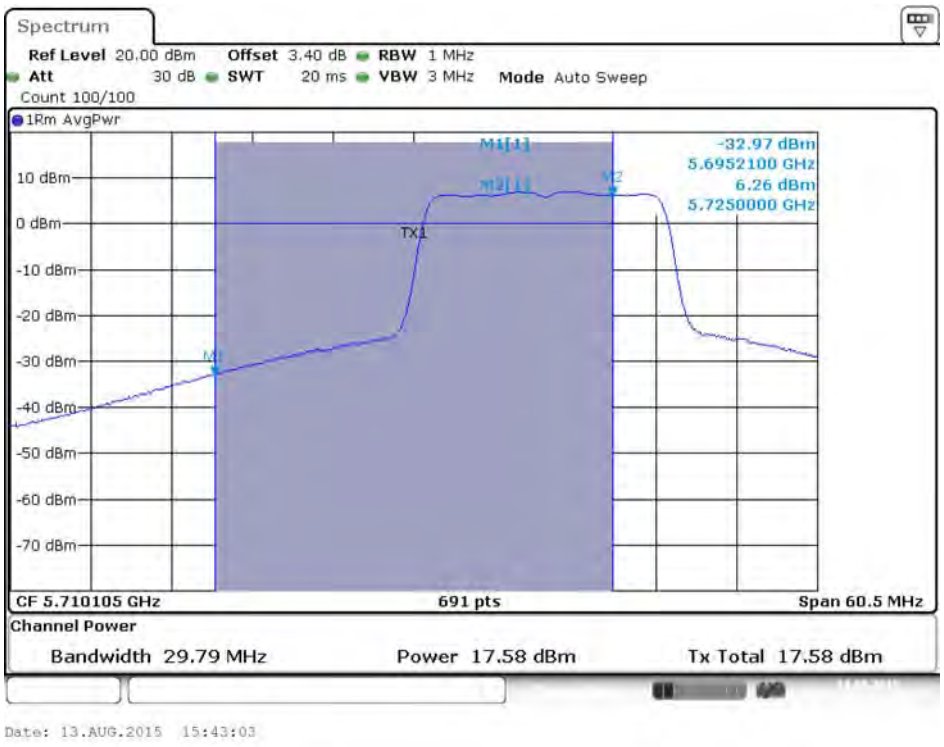
Date: 13.AUG.2015 15:42:56

Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

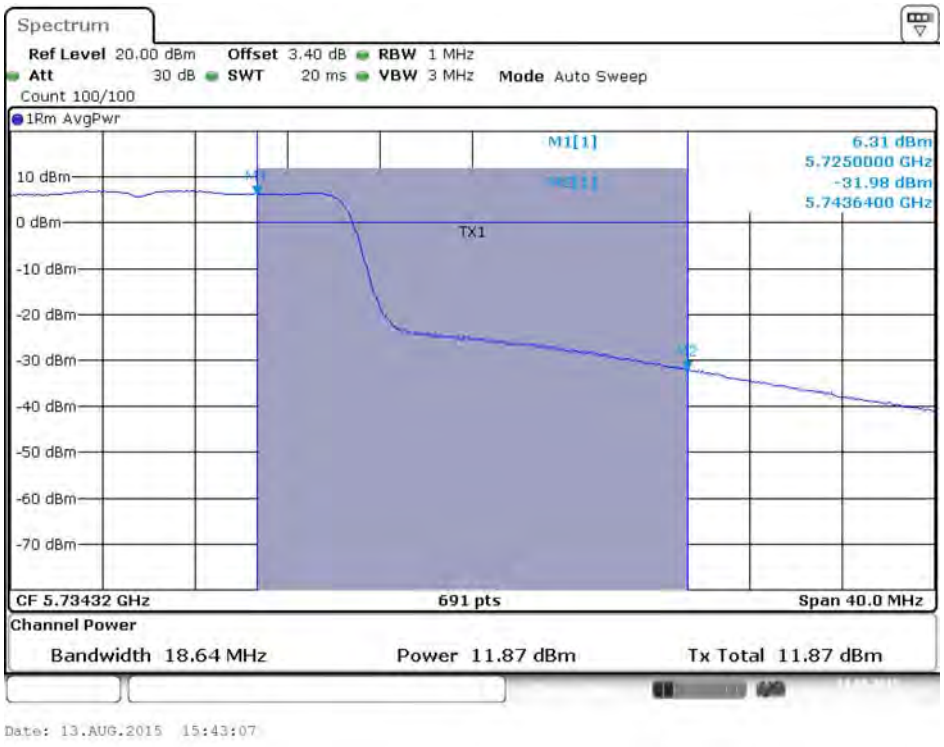


Date: 13.AUG.2015 15:42:59

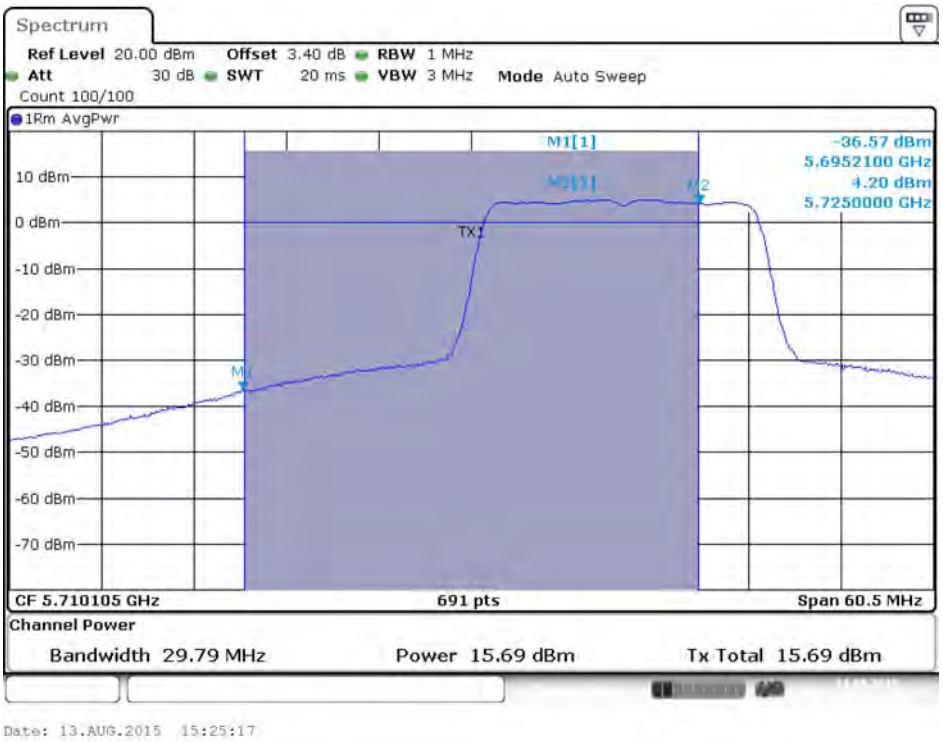
Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



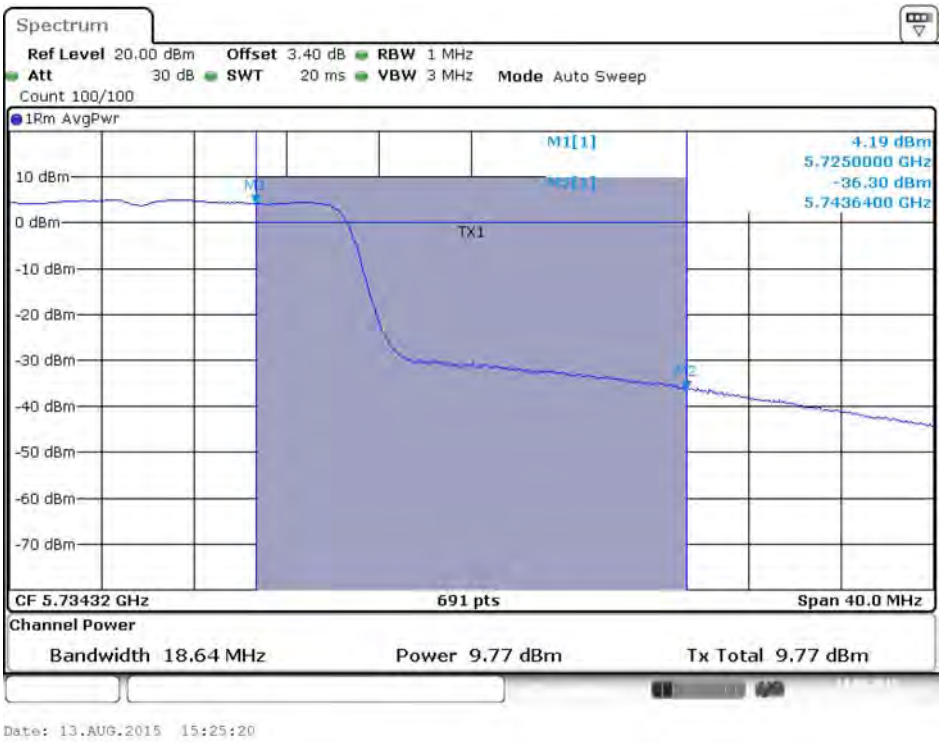
Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



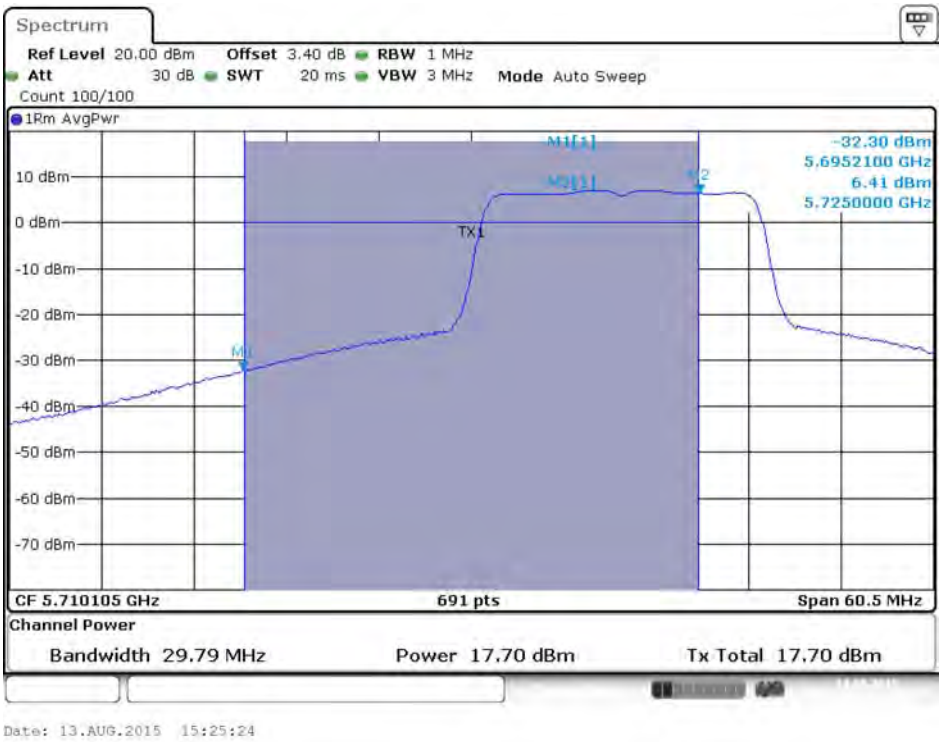
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



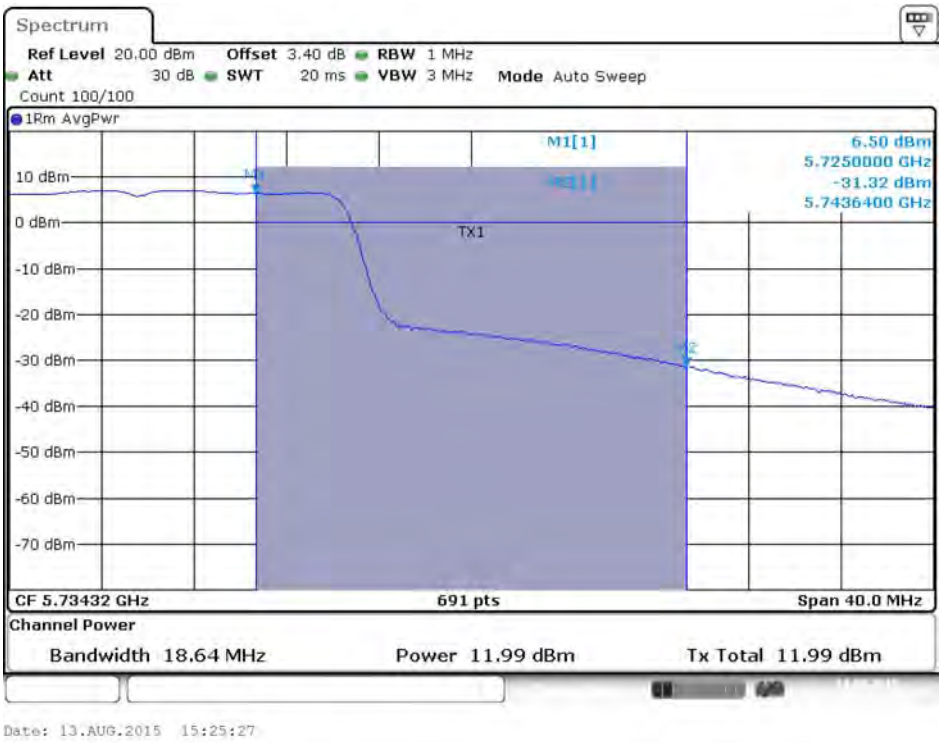
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



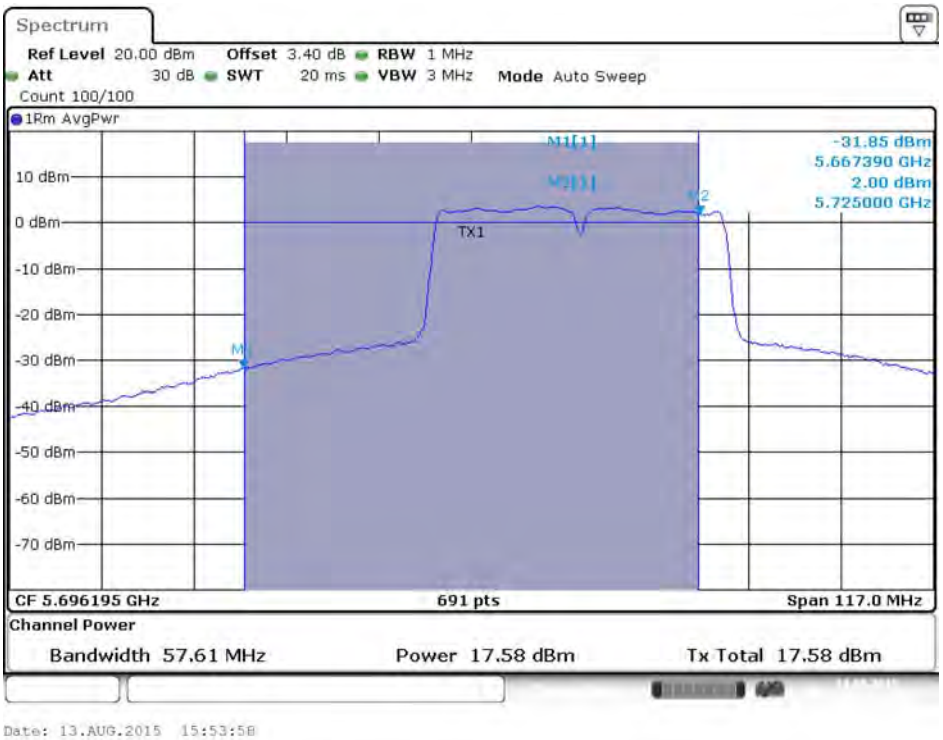
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



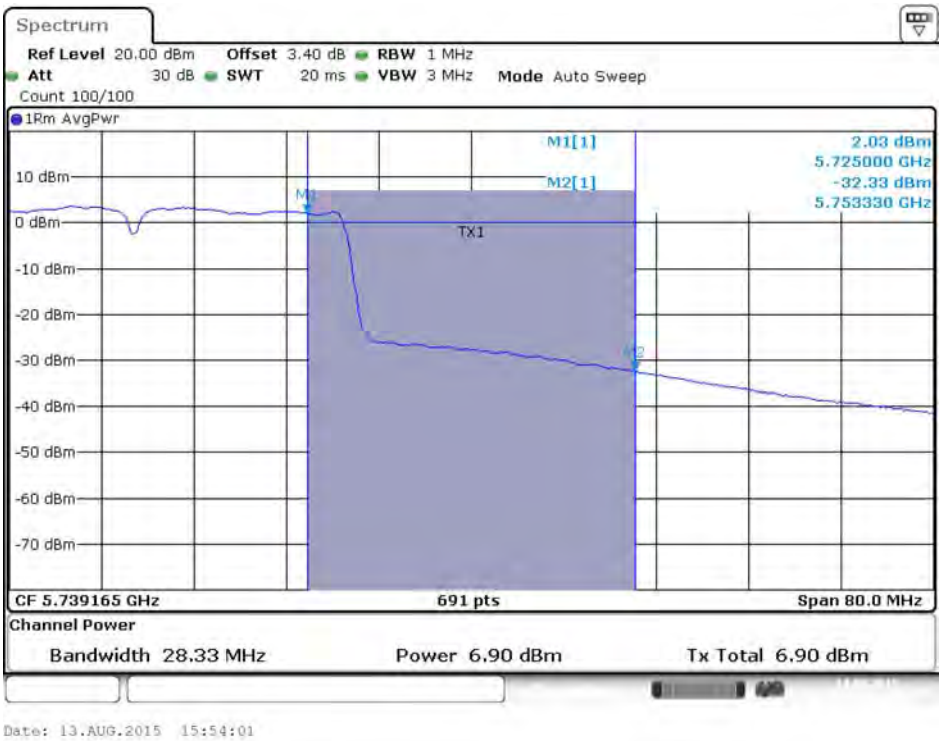
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



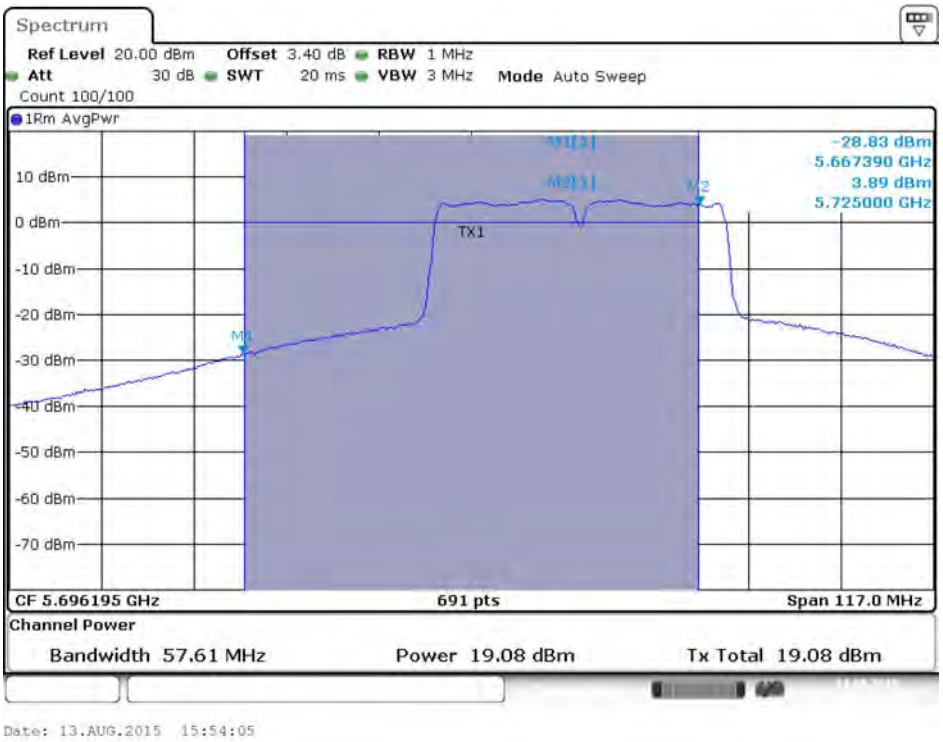
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



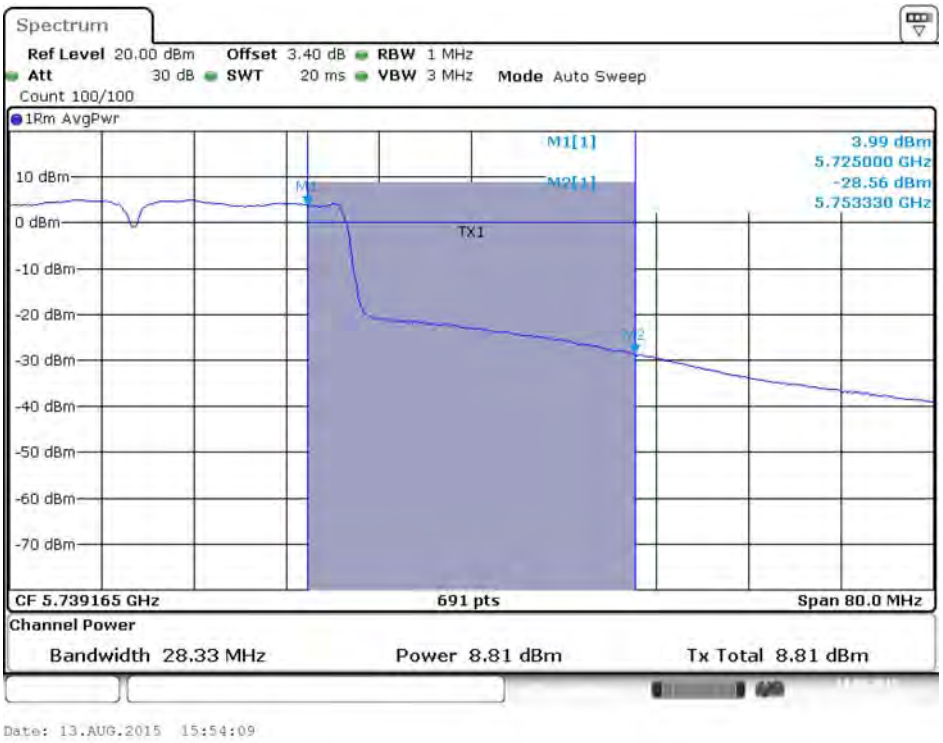
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



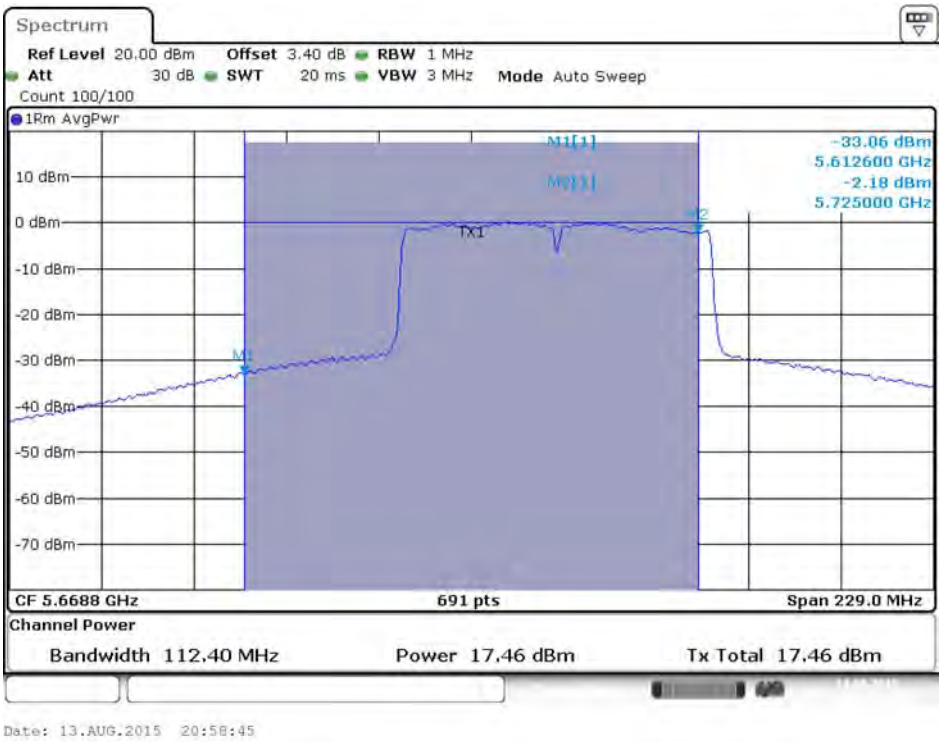
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



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

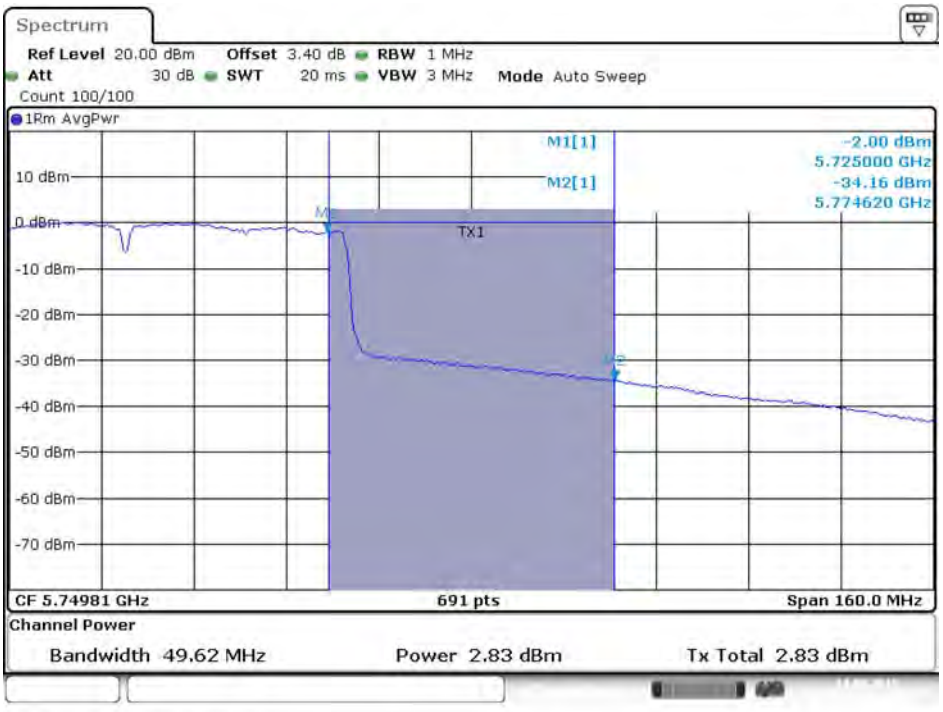


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



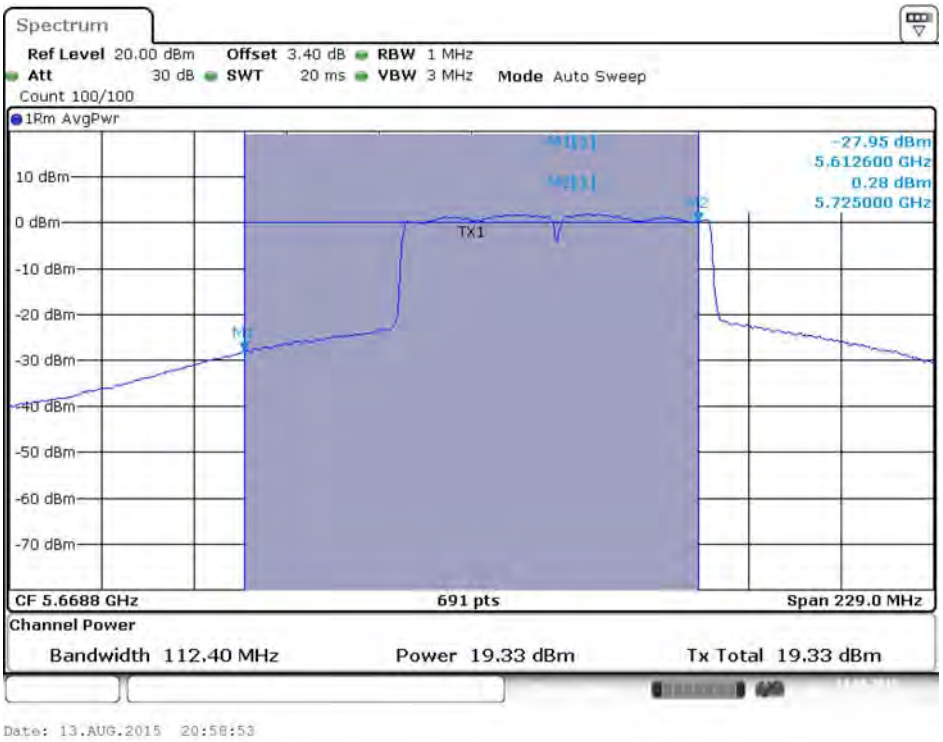
Date: 13.AUG.2015 20:58:45

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

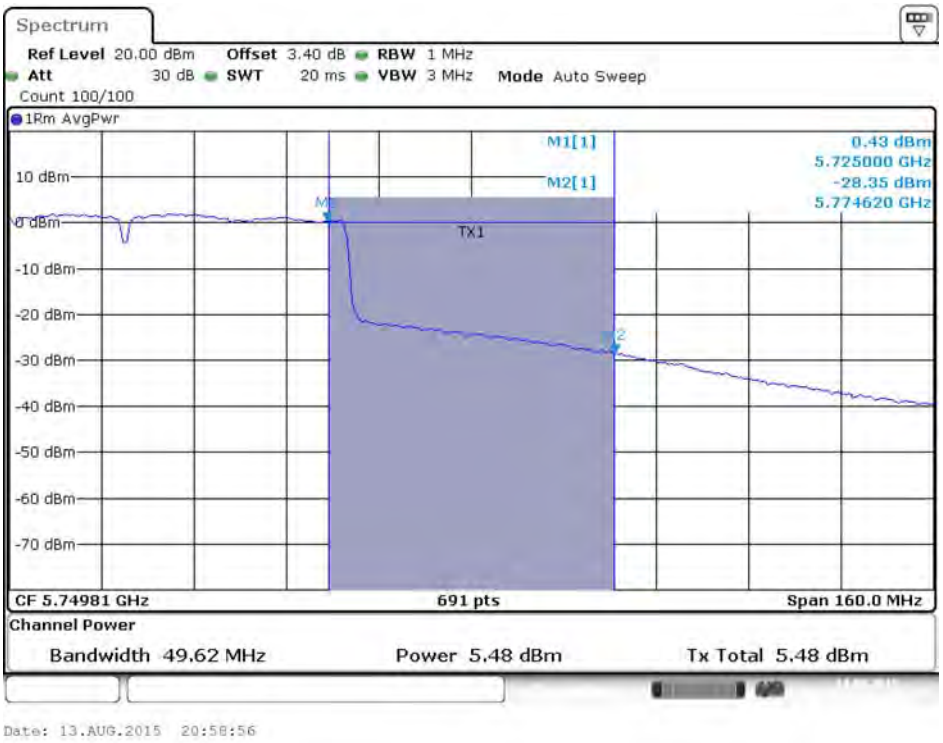


Date: 13.AUG.2015 20:58:49

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)

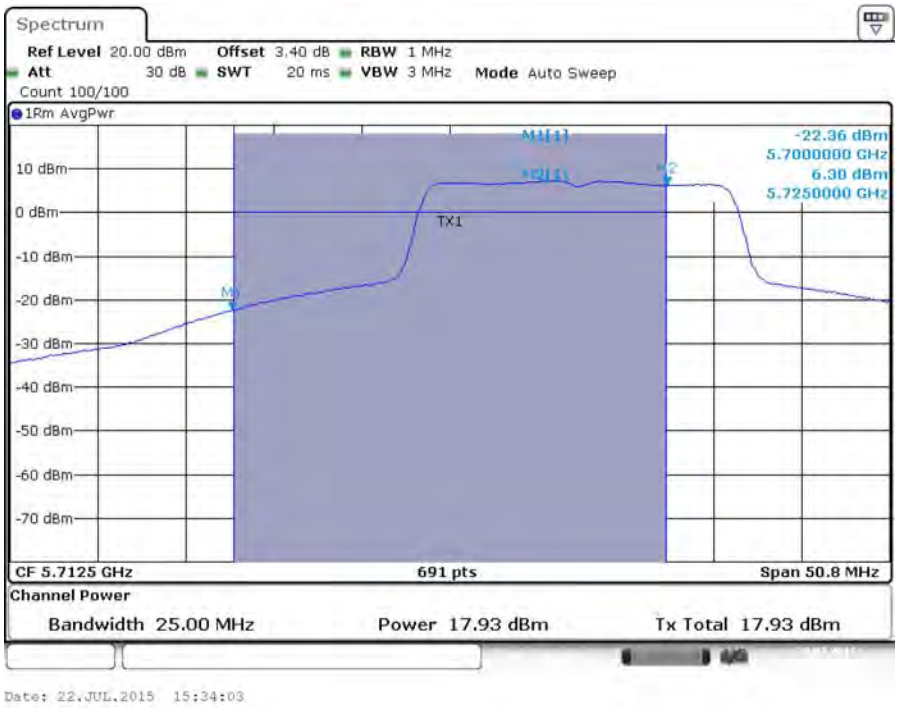


<For STBC Mode>

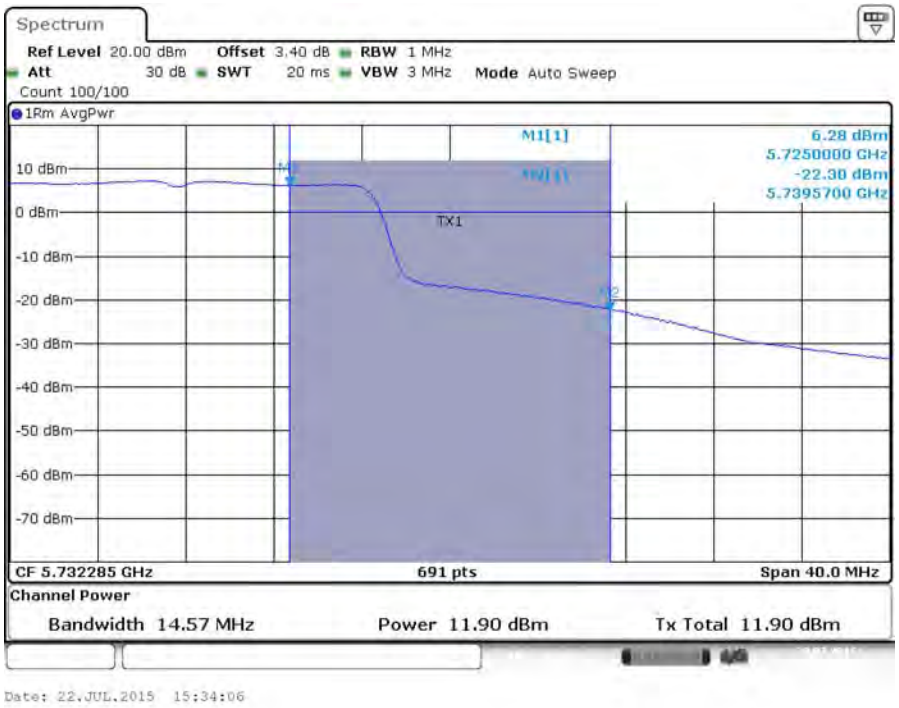
Straddle Channel: indoor / outdoor use

Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)

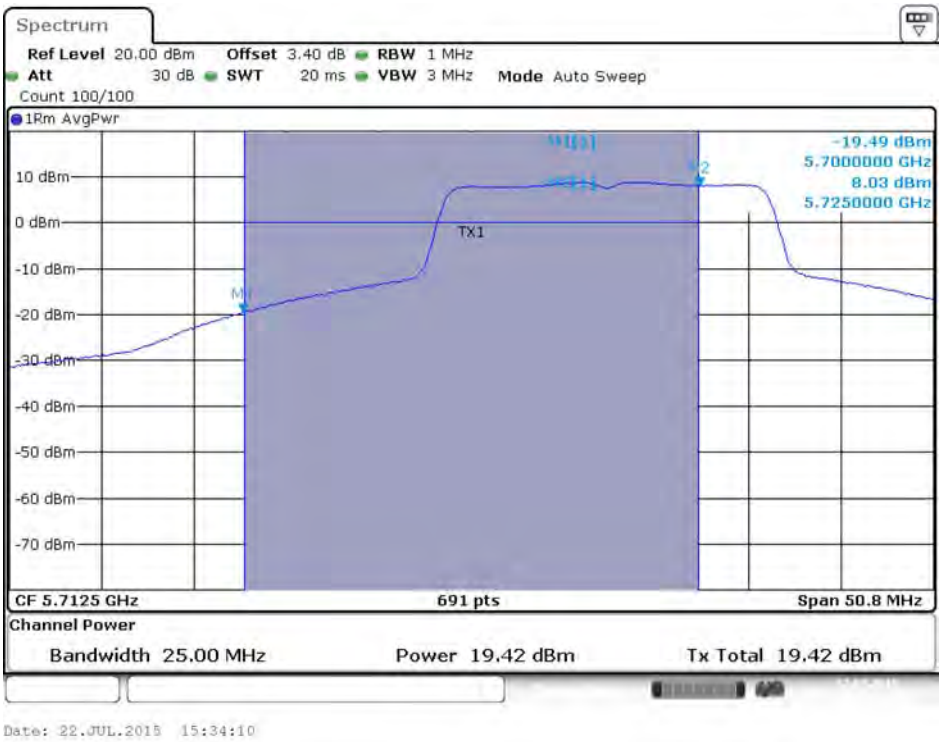
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



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

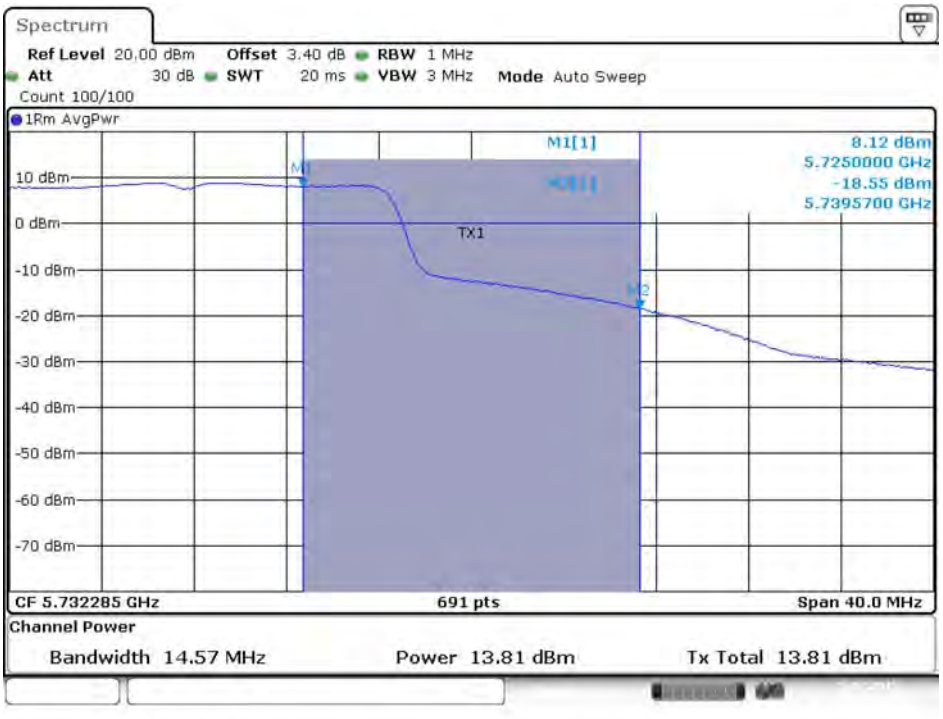


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



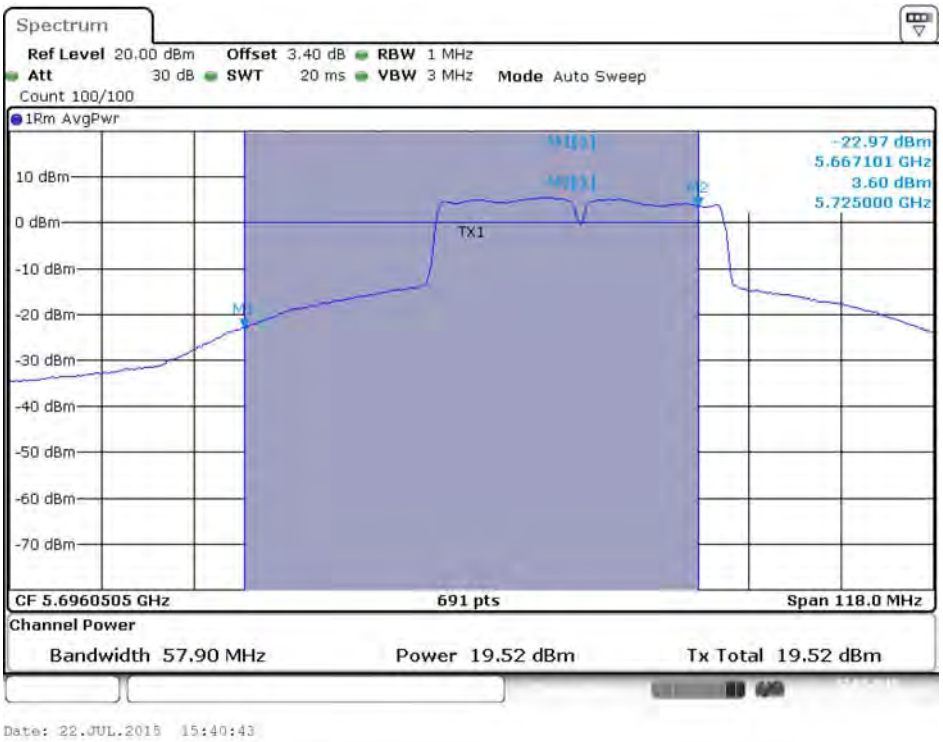
Date: 22.JUL.2015 15:34:10

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

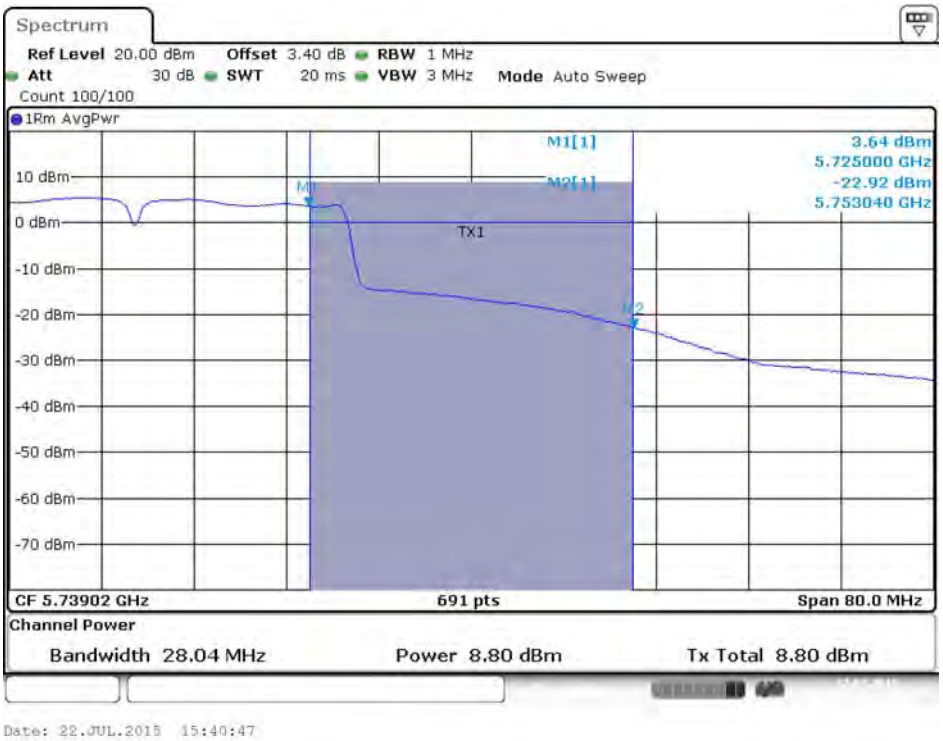


Date: 22.JUL.2015 15:34:14

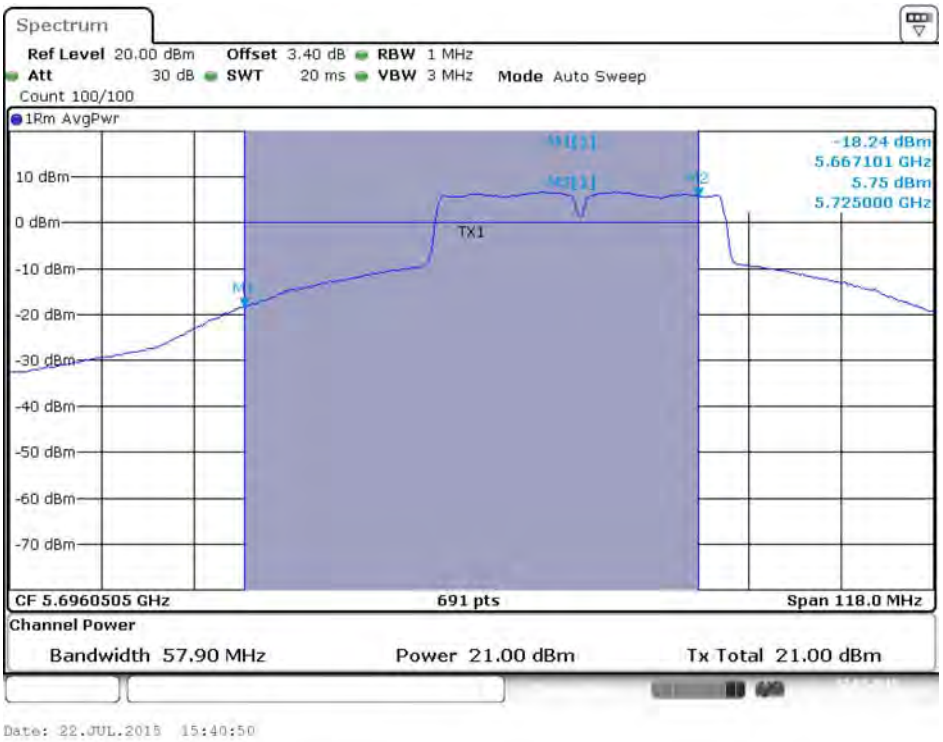
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



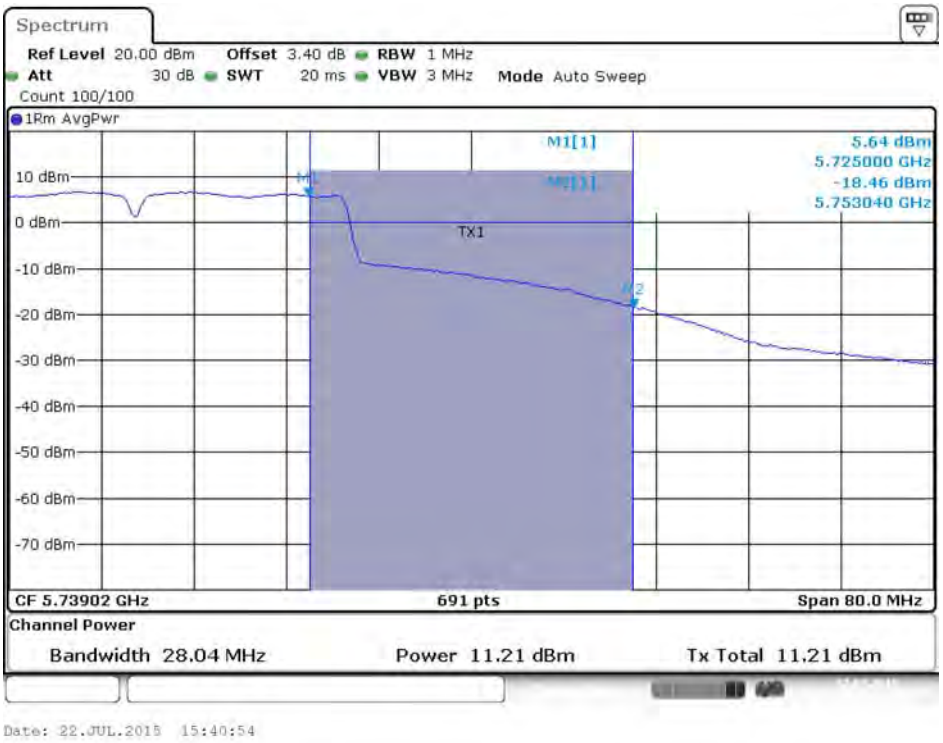
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



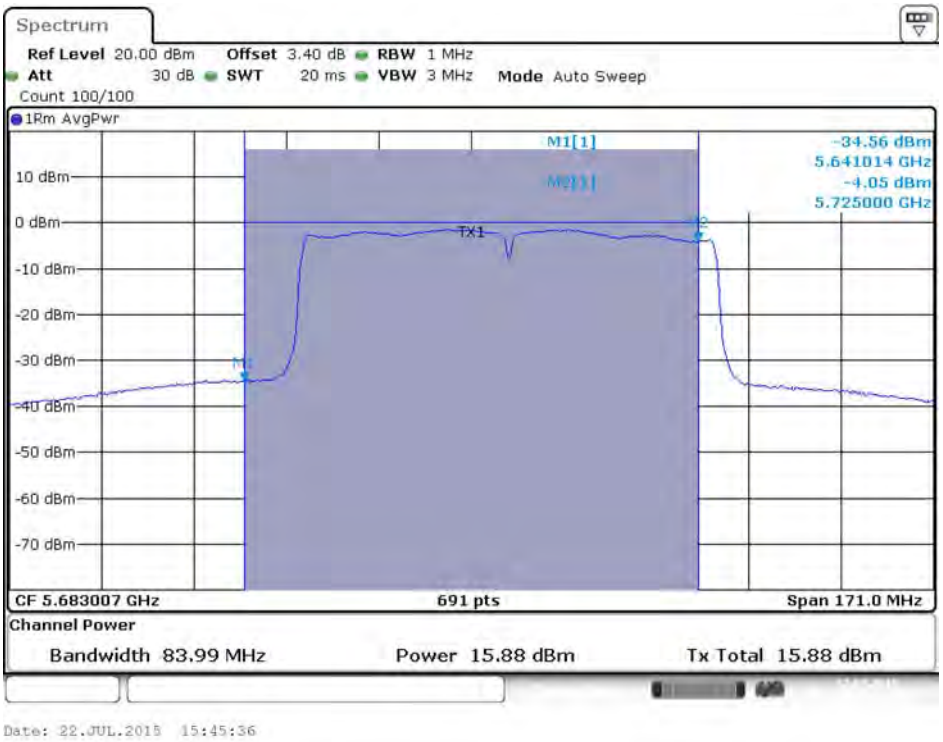
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



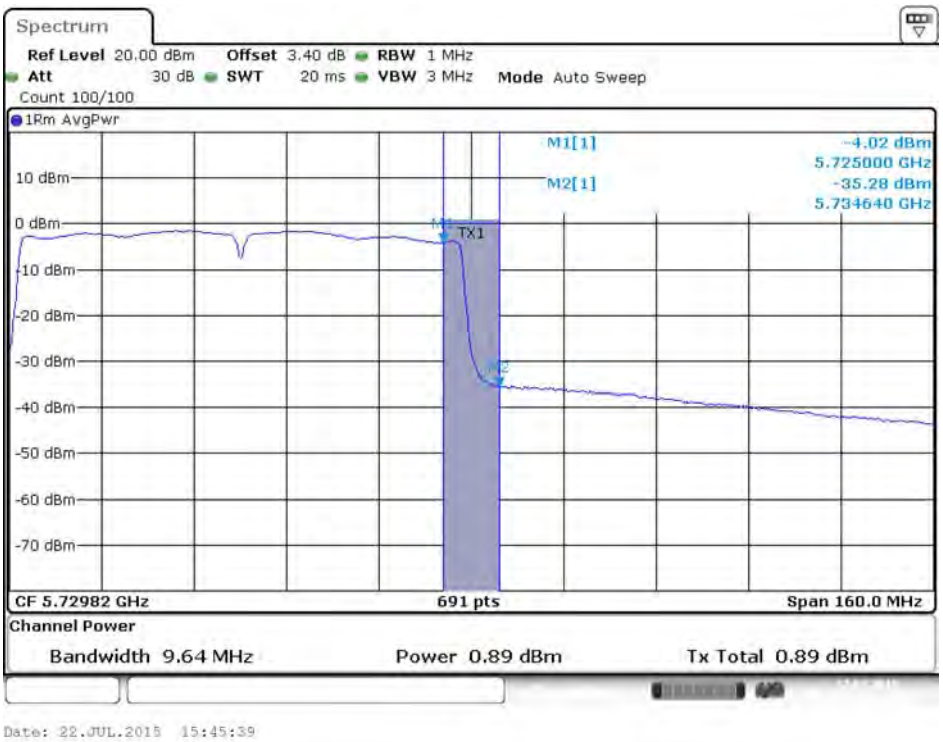
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



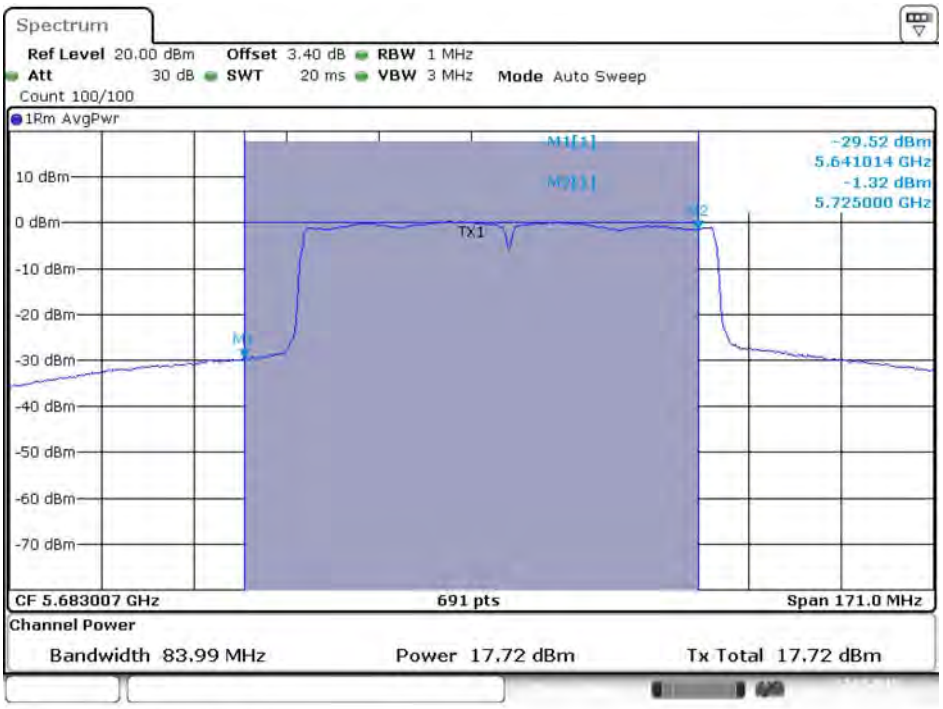
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



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)



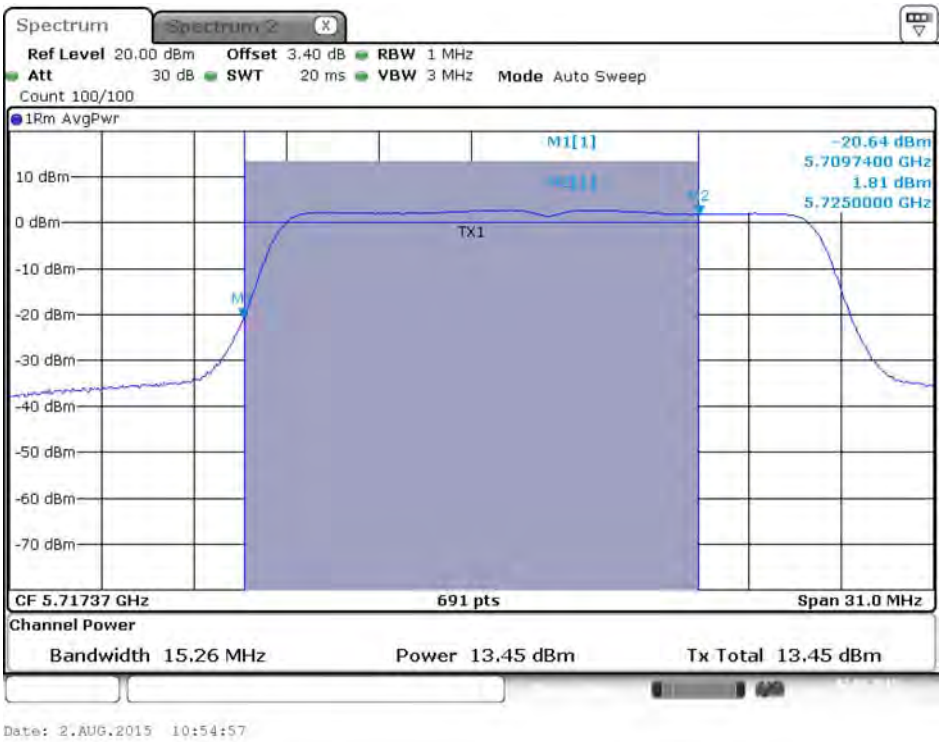
Date: 22.JUL.2015 15:45:43

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

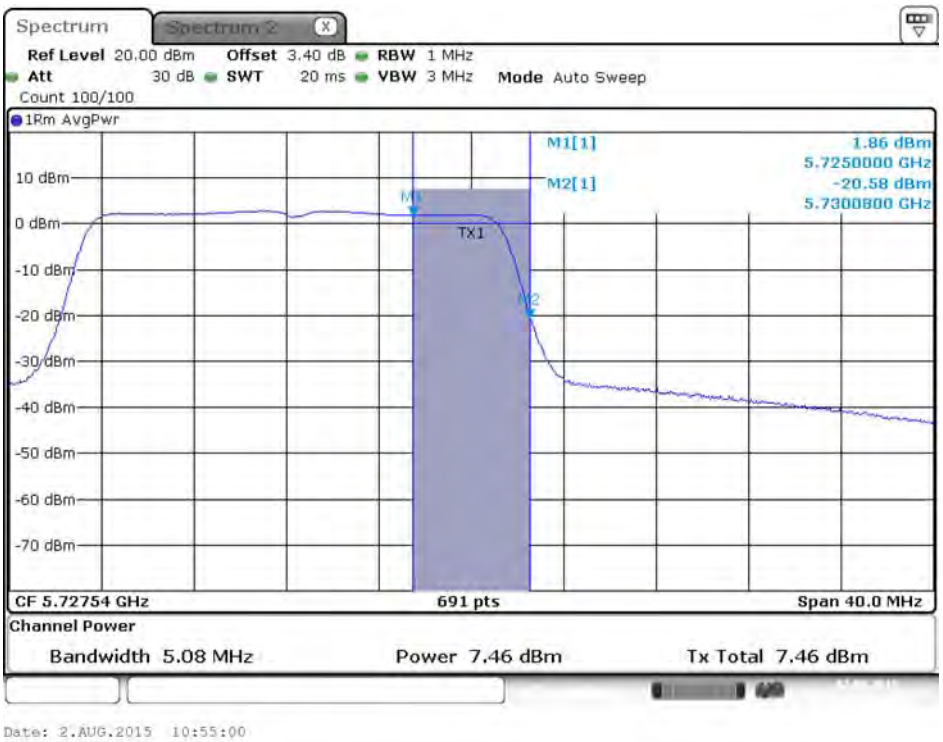
Date: 22.JUL.2015 15:45:47

Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)

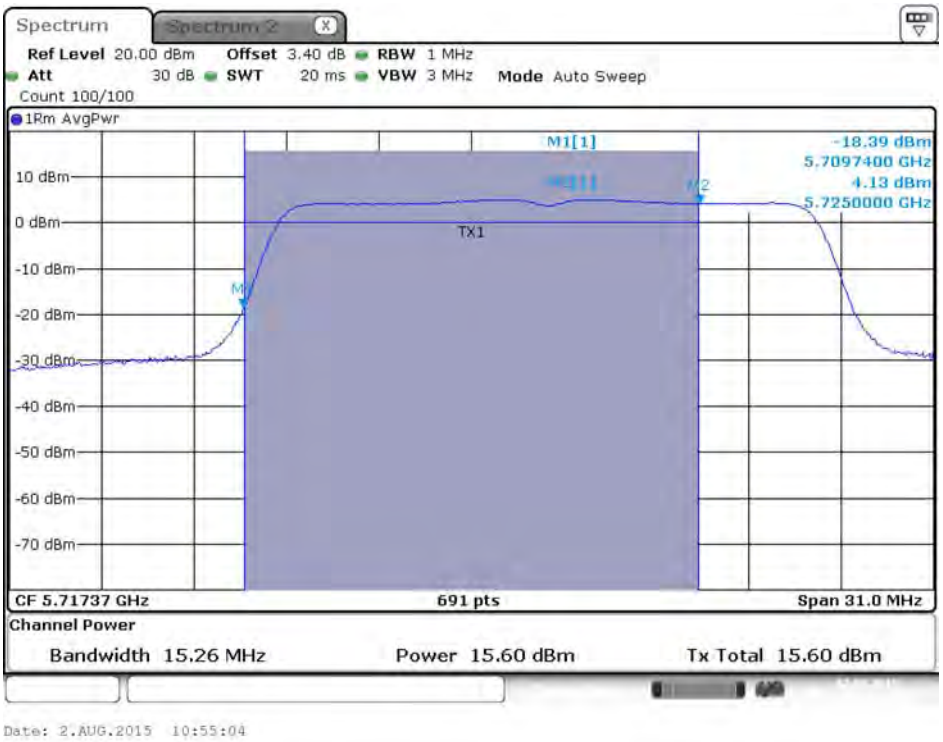
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



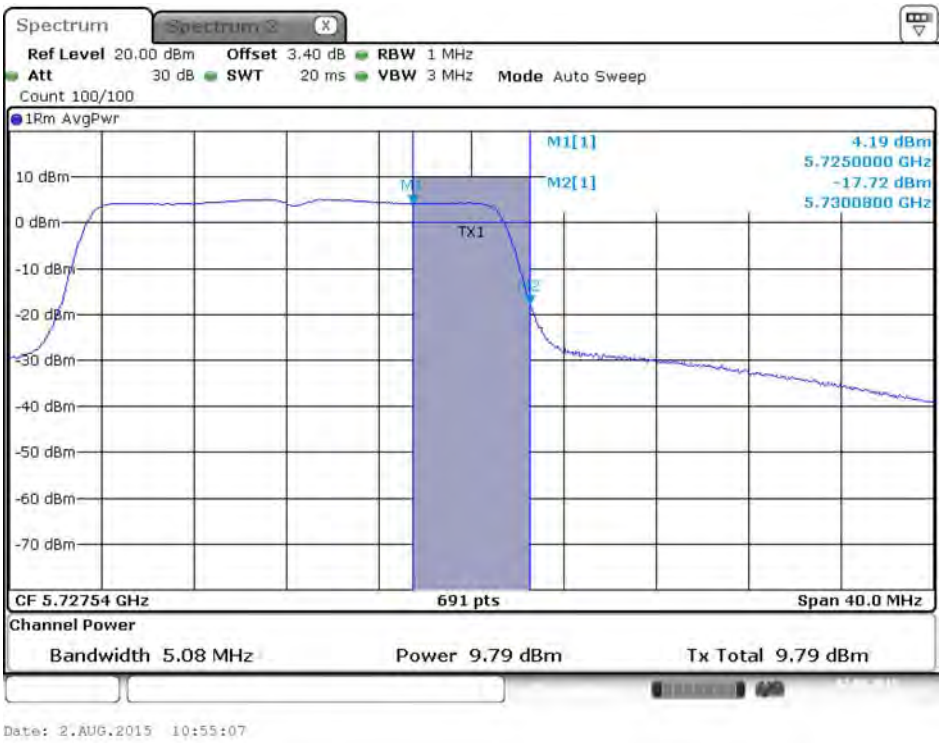
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



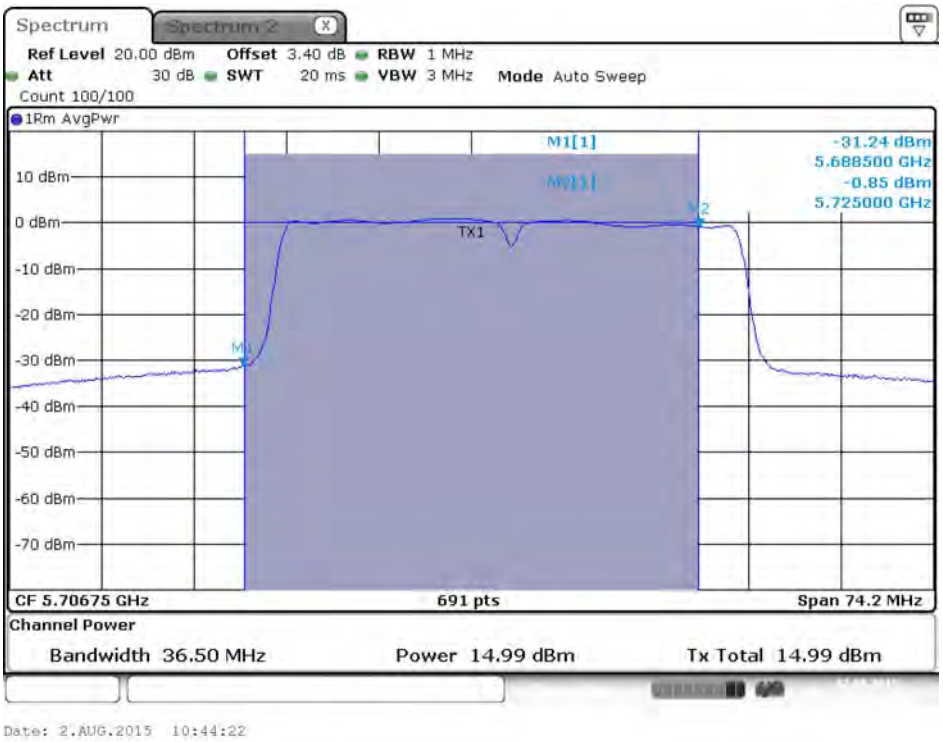
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



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

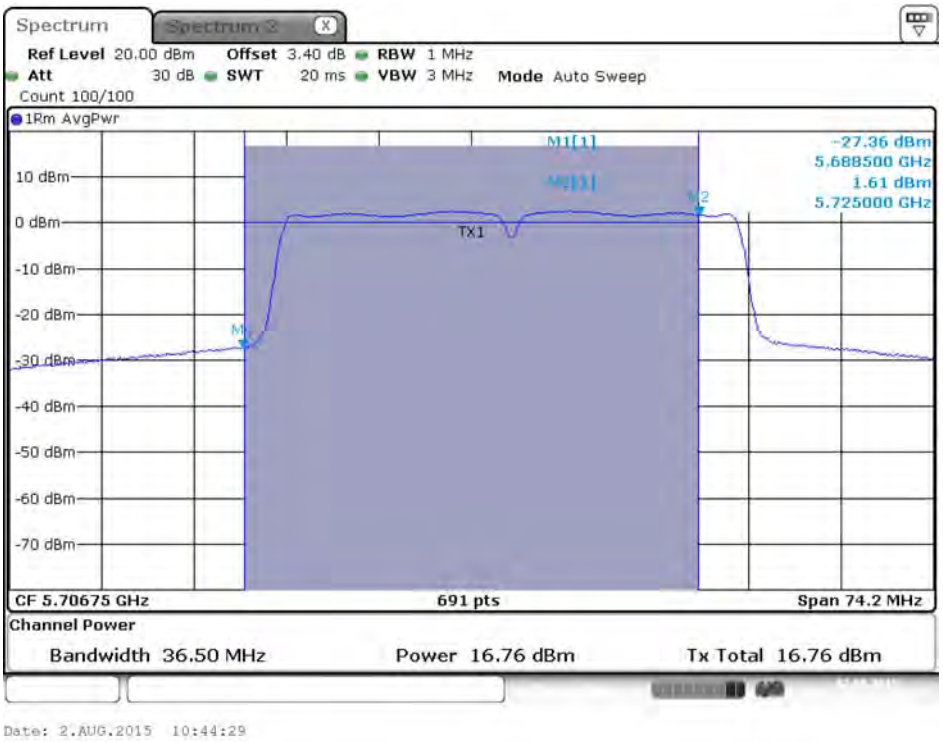


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)

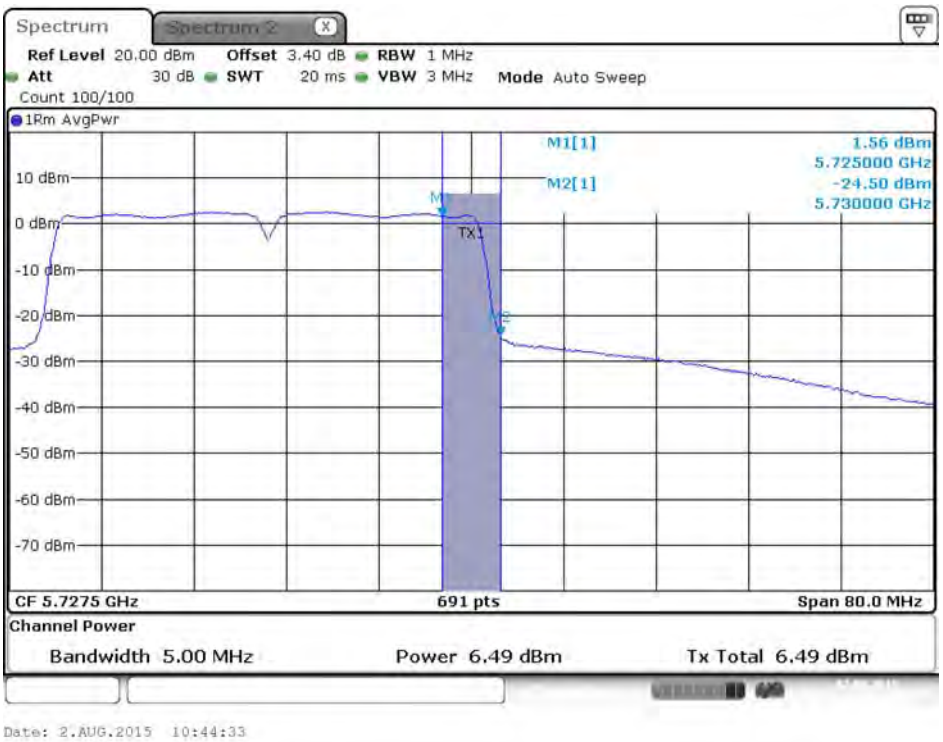


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)

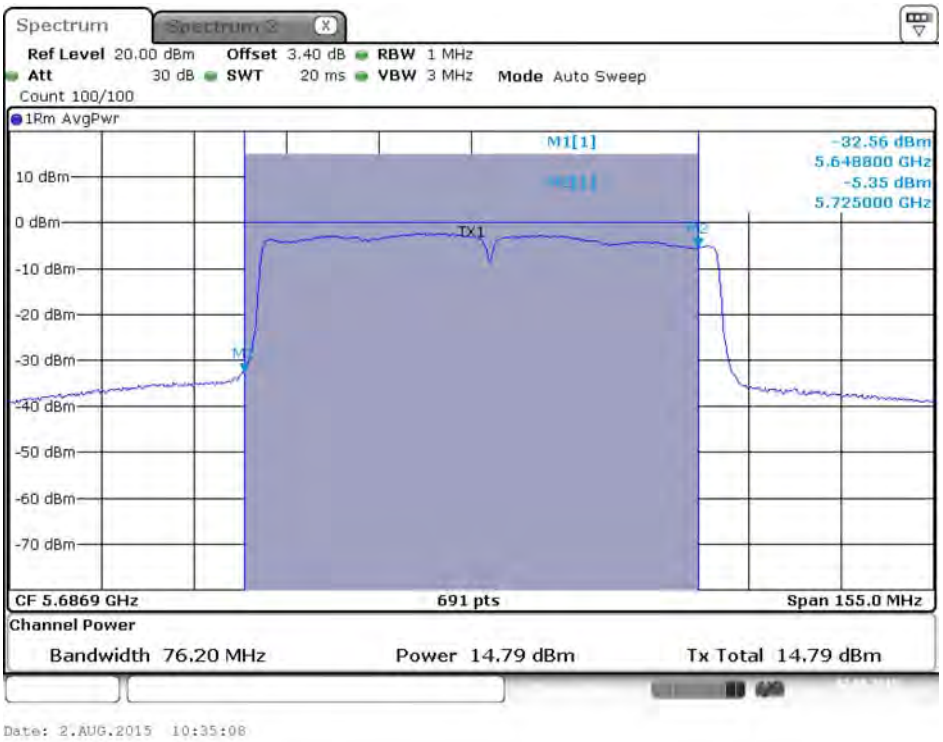
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



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

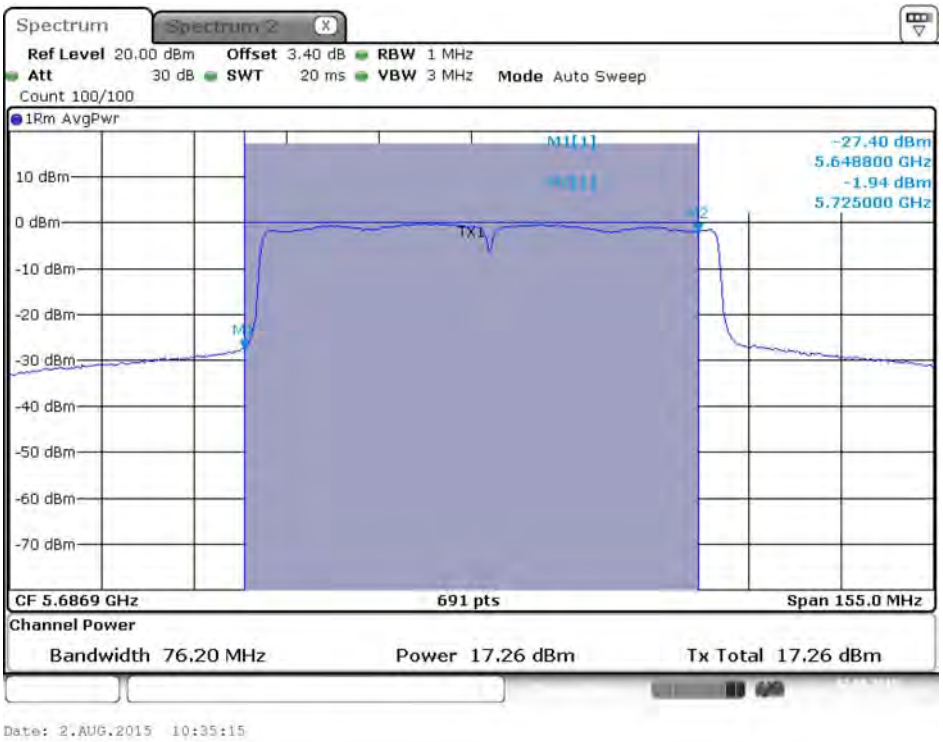


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)

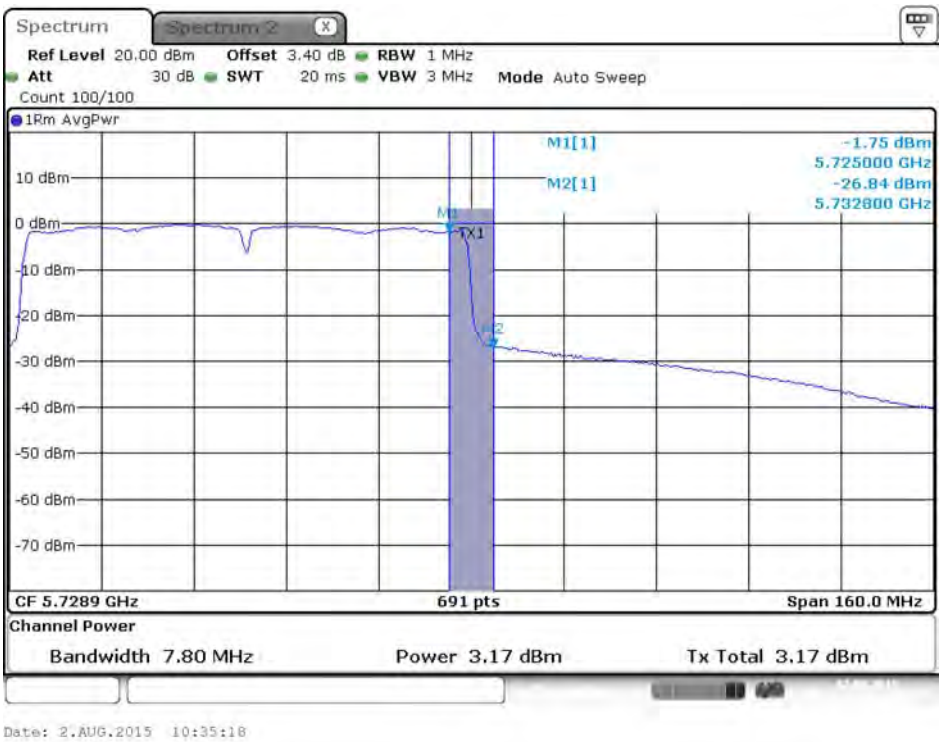


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

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

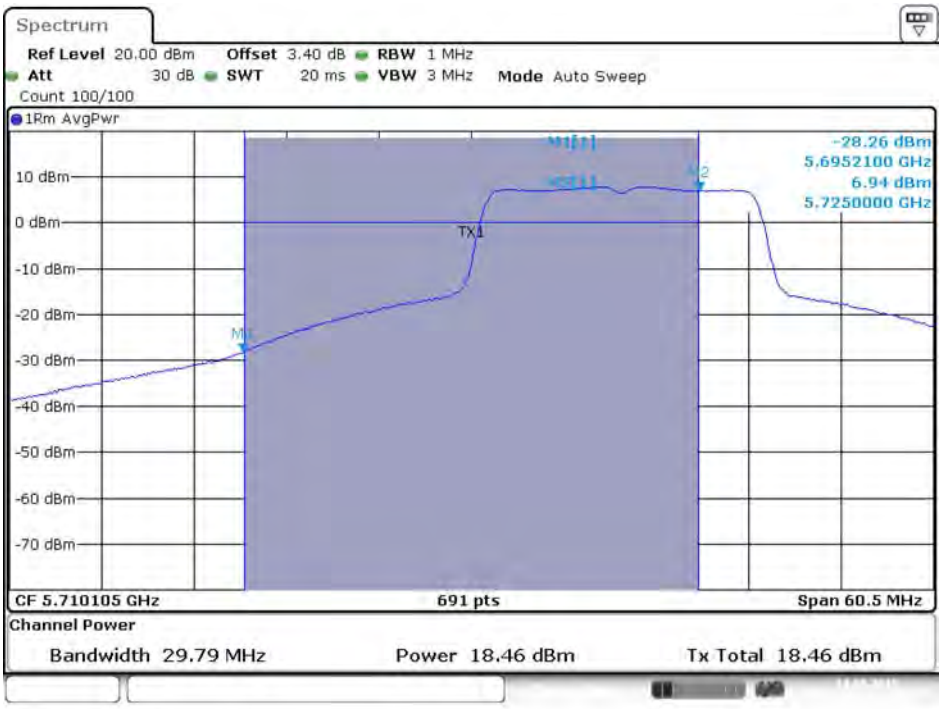


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

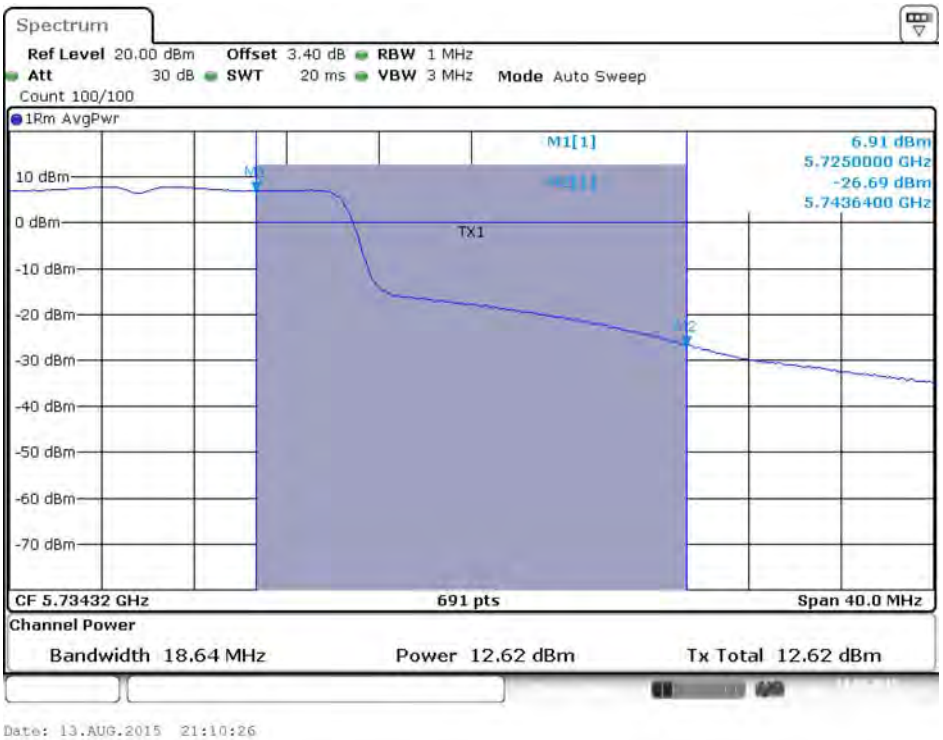


Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)

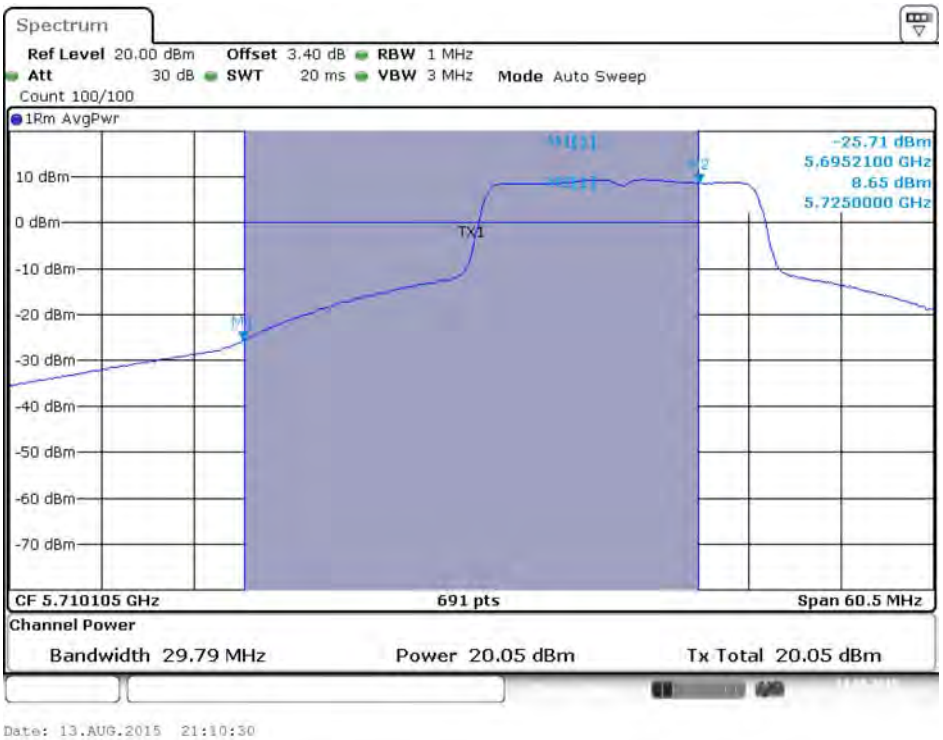
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



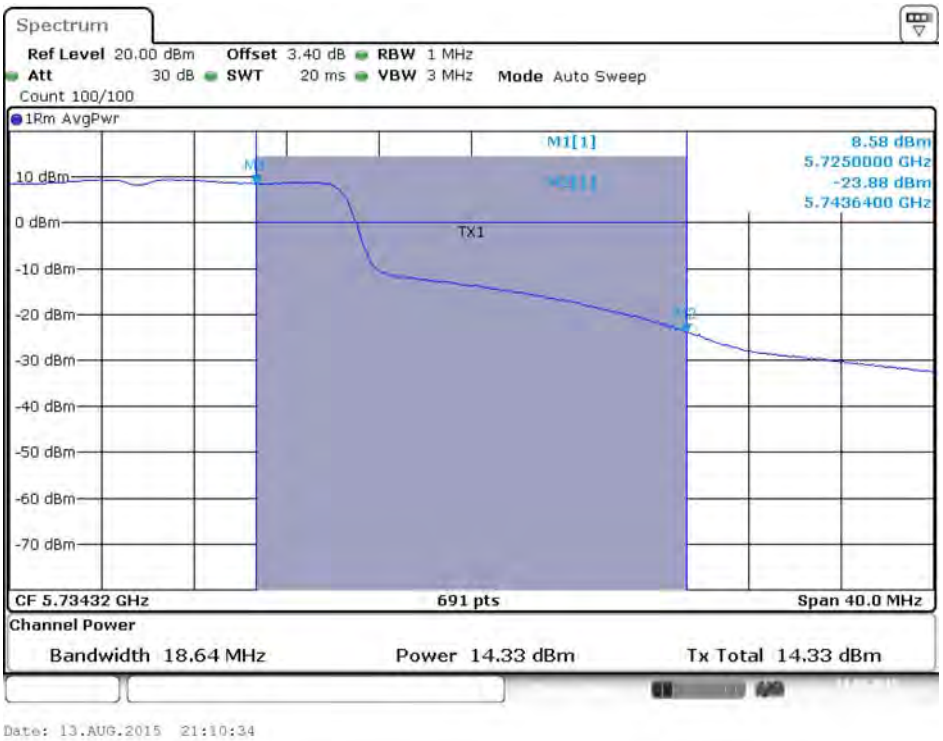
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



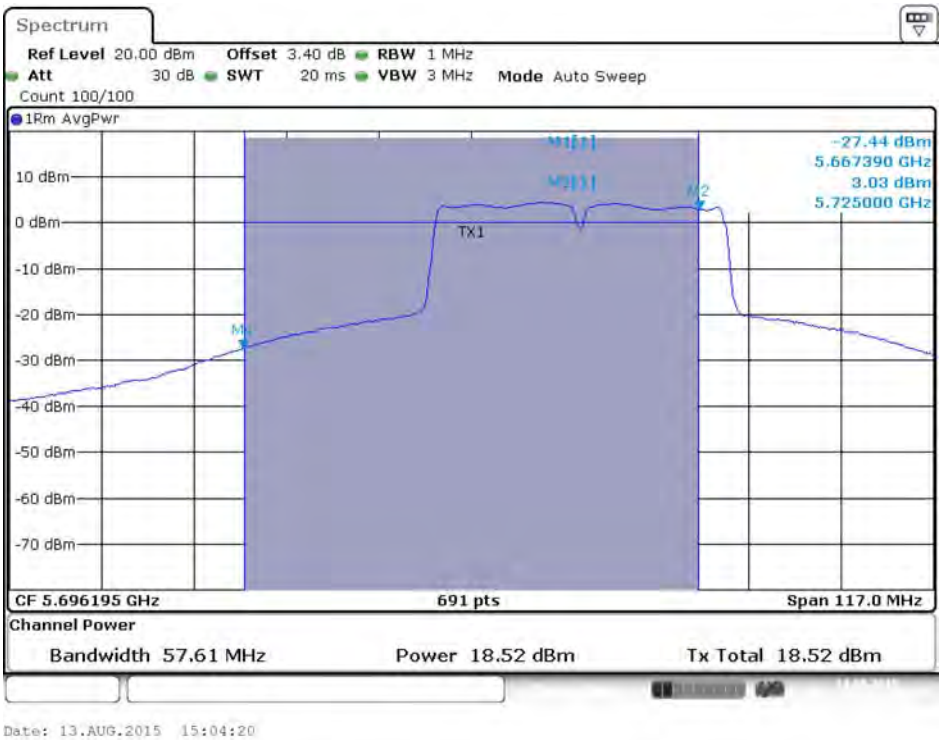
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



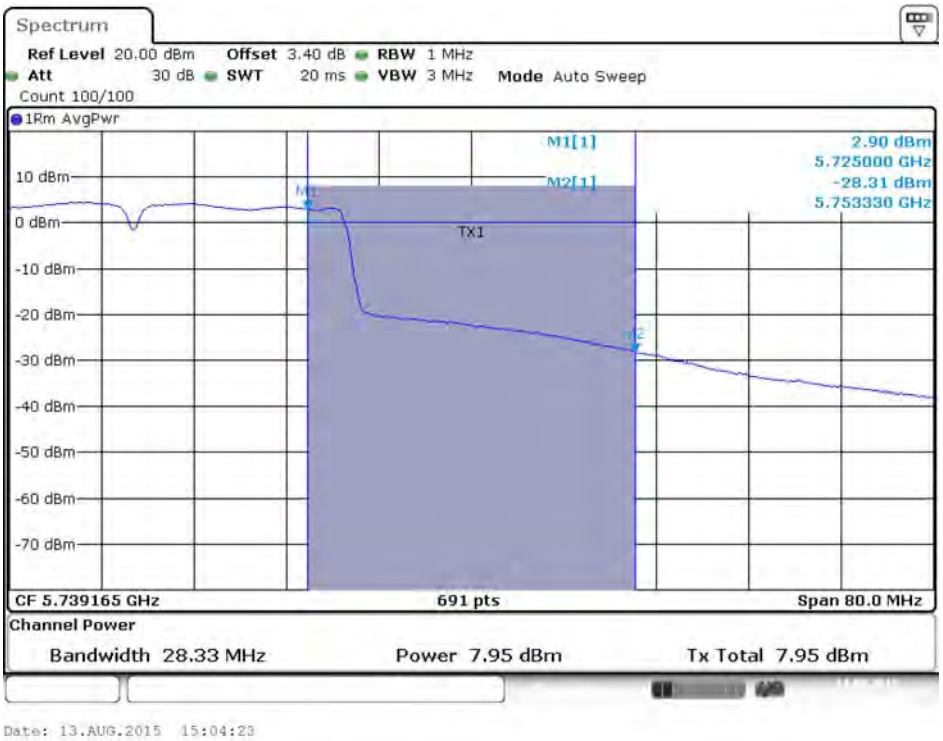
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



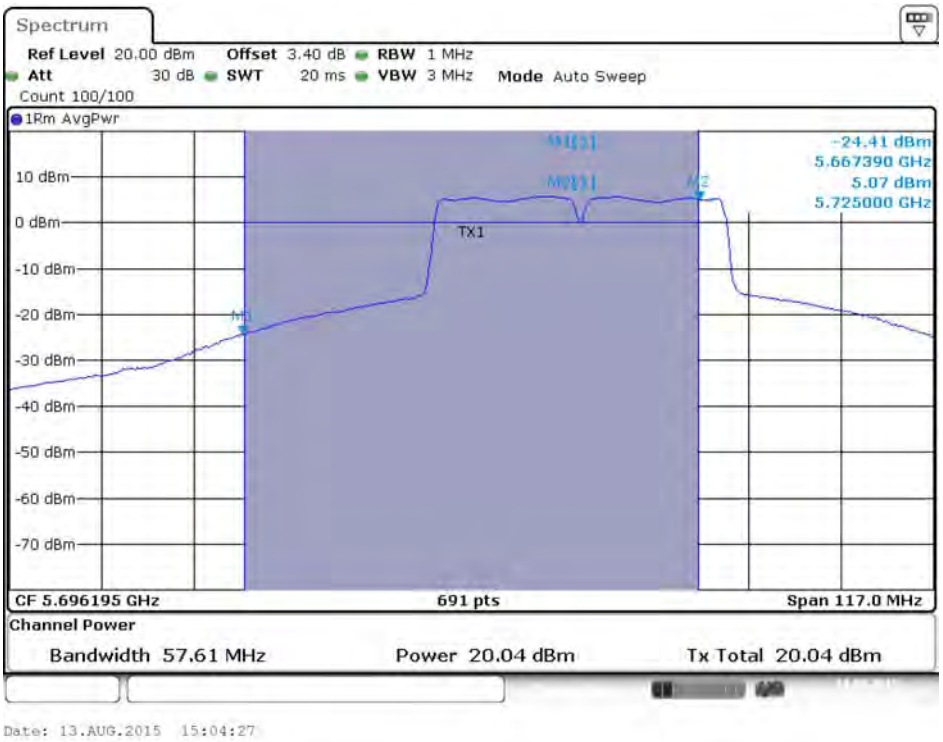
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



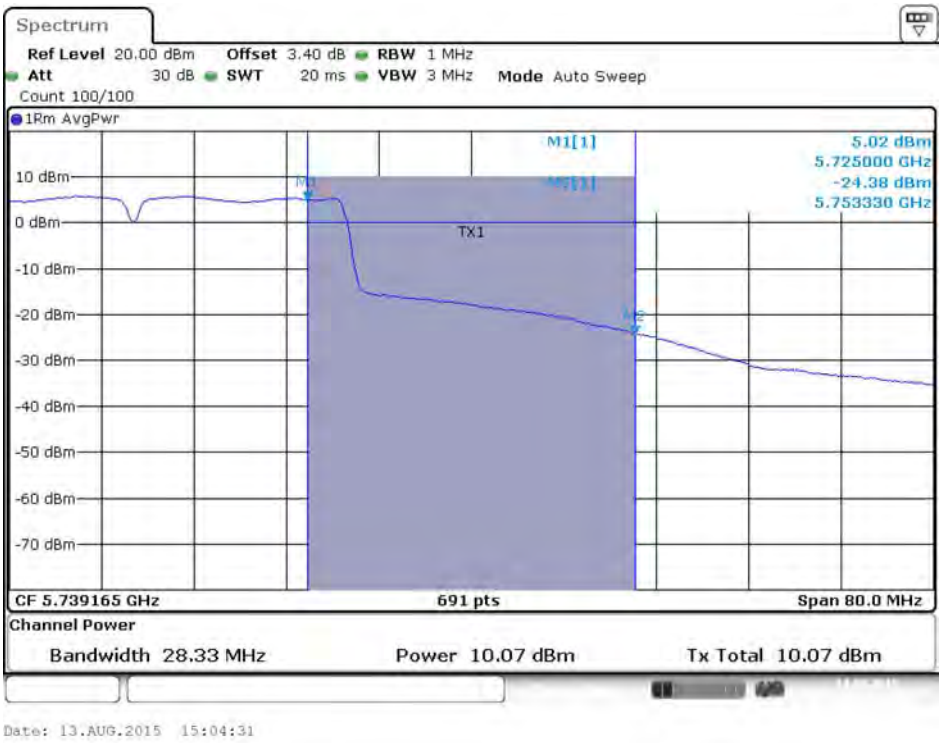
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



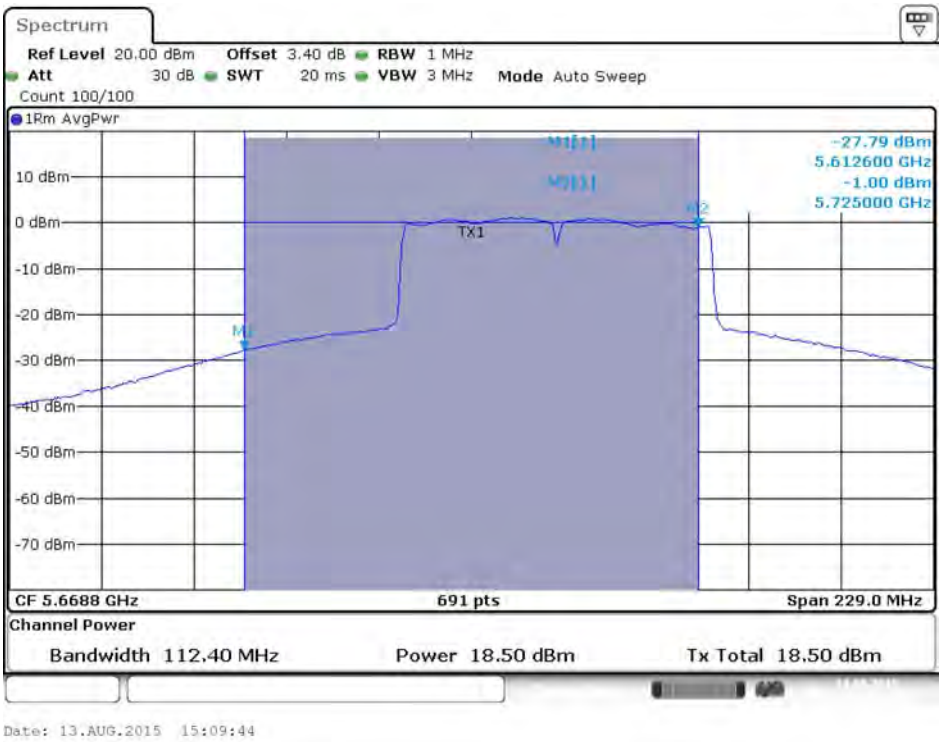
Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



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

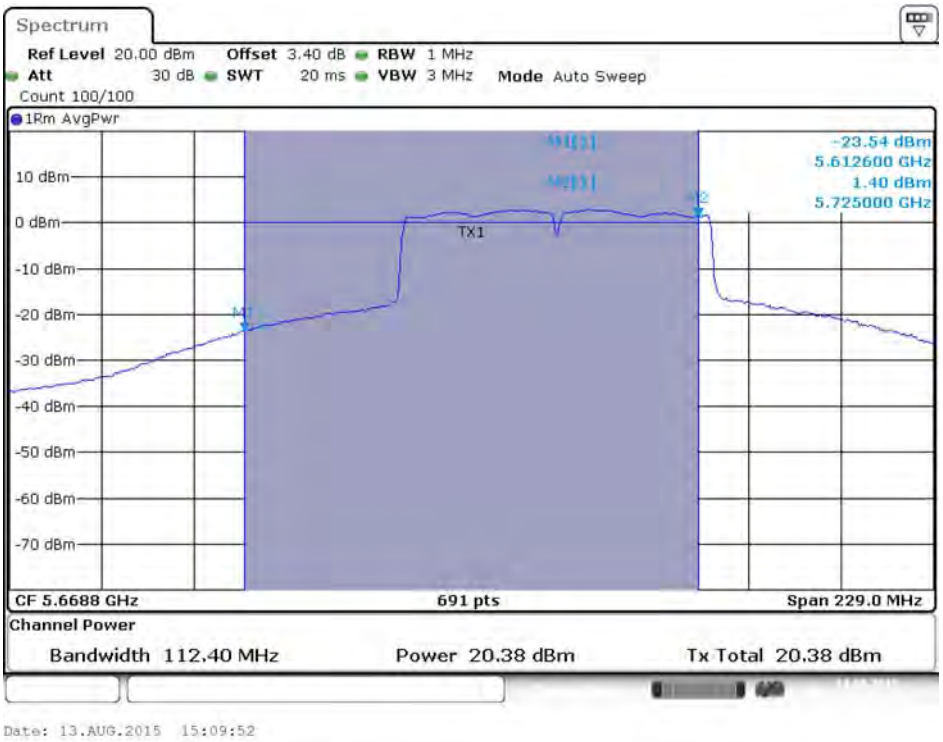


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)

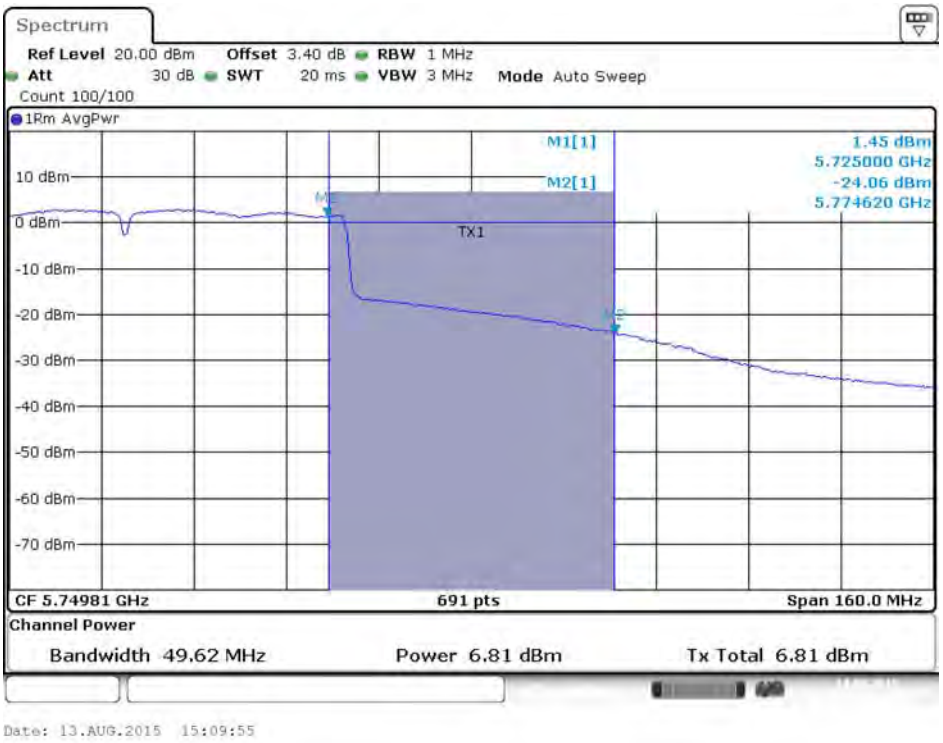


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

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)



4.5. Power Spectral Density Measurement

4.5.1. Limit

The following table is power spectral density limits and decrease power density limit rule refer to section 4.4.1.

Frequency Band			Limit
☒	5.15~5.25 GHz		
	Operating Mode		
	☒	Outdoor access point	17 dBm/MHz
	☒	Indoor access point	17 dBm/MHz
	☐	Fixed point-to-point access points	17 dBm/MHz
	☐	Mobile and portable client devices	11 dBm/MHz
☒	5.25-5.35 GHz		11 dBm/MHz
☒	5.470-5.725 GHz		11 dBm/MHz
☒	5.725~5.85 GHz		30 dBm/500kHz

4.5.2. Measuring Instruments and Setting

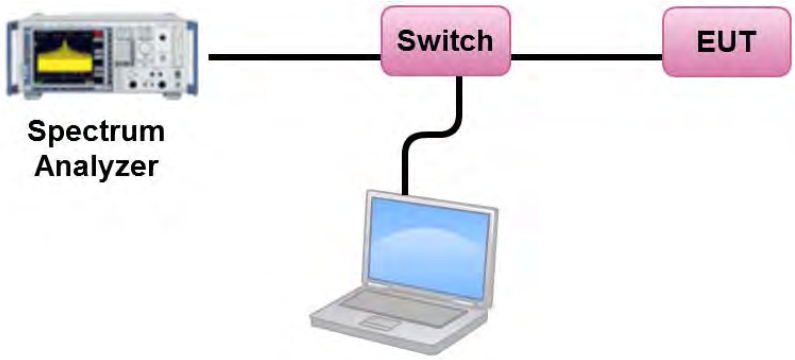
Please refer to section **5** of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1000 kHz
VBW	3000 kHz
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.	

4.5.3. Test Procedures

1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
2. Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (F) Maximum Power Spectral Density (PSD).
3. Multiple antenna systems was performed in accordance KDB662911 D01 v02r01 in-Band Power Spectral Density (PSD) Measurements (a) Measure and sum the spectra across the outputs.
4. When measuring first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3 and so on up to the Nth output to obtain the value for the first frequency bin of the summed spectrum. The summed spectrum value for each of the other frequency bins is computed in the same way.
5. For 5.725~5.85 GHz, the measured result of PSD level must add 10log(500kHz/RBW) and the final result should ≤ 30 dBm.

4.5.4. Test Setup Layout



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.5.7. Test Result of Power Spectral Density

<For Non-Beamforming Mode>

Temperature	23℃	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.37	16.60	Complies
40	5200 MHz	8.76	16.60	Complies
48	5240 MHz	7.24	16.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.34	16.60	Complies
46	5230 MHz	4.37	16.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.84	16.60	Complies

Note: Antenna gain=6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	13.59	Complies
40	5200 MHz	11.23	13.59	Complies
48	5240 MHz	9.28	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	2.93	13.59	Complies
46	5230 MHz	6.86	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.52	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	4.82	12.30	Complies
40	5200 MHz	8.42	12.30	Complies
48	5240 MHz	7.03	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.43	12.30	Complies
46	5230 MHz	3.70	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.02	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	12.30	Complies
40	5200 MHz	11.23	12.30	Complies
48	5240 MHz	9.48	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.57	12.30	Complies
46	5230 MHz	6.86	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.78	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.35	17.00	Complies
40	5200 MHz	8.58	17.00	Complies
48	5240 MHz	8.65	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.13	17.00	Complies
46	5230 MHz	5.08	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.50	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	14.59	Complies
40	5200 MHz	11.23	14.59	Complies
48	5240 MHz	10.20	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.88	14.59	Complies
46	5230 MHz	7.12	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.03	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.98	16.60	Complies
40	5200 MHz	1.98	16.60	Complies
48	5240 MHz	1.82	16.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B1 limit 17-(6.4-6)=16.60dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.02	16.60	Complies
46	5230 MHz	-1.11	16.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B1 limit 17-(6.4-6)=16.60dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.48	16.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B1 limit 17-(6.4-6)=16.60dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.84	13.59	Complies
40	5200 MHz	1.84	13.59	Complies
48	5240 MHz	2.04	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-0.34	13.59	Complies
46	5230 MHz	-1.03	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.82	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.44	12.30	Complies
40	5200 MHz	0.22	12.30	Complies
48	5240 MHz	0.25	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.40	12.30	Complies
46	5230 MHz	-2.49	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.36	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.21	12.30	Complies
40	5200 MHz	0.22	12.30	Complies
48	5240 MHz	0.12	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.74	12.30	Complies
46	5230 MHz	-2.87	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.67	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.35	17.00	Complies
40	5200 MHz	6.32	17.00	Complies
48	5240 MHz	6.31	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.13	17.00	Complies
46	5230 MHz	3.58	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.50	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.53	14.59	Complies
40	5200 MHz	6.30	14.59	Complies
48	5240 MHz	6.32	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.65	14.59	Complies
46	5230 MHz	3.44	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.06	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.39	17.00	Complies
40	5200 MHz	3.28	17.00	Complies
48	5240 MHz	3.20	17.00	Complies

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

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.22	17.00	Complies
46	5230 MHz	0.41	17.00	Complies

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

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.74	17.00	Complies

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

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.34	14.89	Complies
40	5200 MHz	3.25	14.89	Complies
48	5240 MHz	3.45	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.08	14.89	Complies
46	5230 MHz	0.58	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.52	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)		

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.54	10.60	Complies
60	5300 MHz	6.24	10.60	Complies
64	5320 MHz	4.24	10.60	Complies
100	5500 MHz	5.32	10.60	Complies
116	5580 MHz	6.73	10.60	Complies
140	5700 MHz	1.75	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B2 B3 limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	1.74	-3.01	-1.27	29.60	Complies
157	5785 MHz	8.35	-3.01	5.34	29.60	Complies
165	5825 MHz	2.46	-3.01	-0.55	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B4 limit 30-(6.4-6)=29.60dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.02	10.60	Complies
62	5310 MHz	-1.16	10.60	Complies
102	5510 MHz	0.35	10.60	Complies
110	5550 MHz	3.24	10.60	Complies
134	5670 MHz	0.20	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B2 B3 limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-2.34	-3.01	-5.35	29.60	Complies
159	5795 MHz	-0.46	-3.01	-3.47	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B4 limit 30-(6.4-6)=29.60dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-6.38	10.60	Complies
106	5530 MHz	-3.91	10.60	Complies
122	5610 MHz	-2.61	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B2 B3 limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-5.31	-3.01	-8.32	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the B4 limit 30-(6.4-6)=29.60dBm/500kHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	7.74	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.15	-3.01	4.14	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 30-(6.4-6)=29.60dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.36	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.77	-3.01	0.76	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 30-(6.4-6)=29.60dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.78	10.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 11-(6.4-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.37	-3.01	-3.38	29.60	Complies

Note: Antenna gain=6.4dBi >6dBi, so the limit 30-(6.4-6)=29.60dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	7.55	7.59	Complies
60	5300 MHz	7.43	7.59	Complies
64	5320 MHz	7.11	7.59	Complies
100	5500 MHz	7.57	7.59	Complies
116	5580 MHz	7.49	7.59	Complies
140	5700 MHz	4.36	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.62	-3.01	0.61	26.59	Complies
157	5785 MHz	9.29	-3.01	6.28	26.59	Complies
165	5825 MHz	3.59	-3.01	0.58	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.03	7.59	Complies
62	5310 MHz	0.57	7.59	Complies
102	5510 MHz	2.38	7.59	Complies
110	5550 MHz	5.51	7.59	Complies
134	5670 MHz	2.68	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.13	-3.01	-2.88	26.59	Complies
159	5795 MHz	1.49	-3.01	-1.52	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.29	7.59	Complies
106	5530 MHz	-0.81	7.59	Complies
122	5610 MHz	1.06	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.30	-3.01	-6.31	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	7.41	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.09	-3.01	4.08	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.56	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	7.01	-3.01	4.00	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	4.02	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.78	-3.01	-0.23	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.13	6.30	Complies
60	5300 MHz	6.24	6.30	Complies
64	5320 MHz	4.29	6.30	Complies
100	5500 MHz	4.55	6.30	Complies
116	5580 MHz	6.16	6.30	Complies
140	5700 MHz	2.53	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	2.51	-3.01	-0.50	25.30	Complies
157	5785 MHz	8.21	-3.01	5.20	25.30	Complies
165	5825 MHz	2.46	-3.01	-0.55	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.83	6.30	Complies
62	5310 MHz	-1.02	6.30	Complies
102	5510 MHz	0.25	6.30	Complies
110	5550 MHz	3.15	6.30	Complies
134	5670 MHz	0.28	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-1.54	-3.01	-4.55	25.30	Complies
159	5795 MHz	0.23	-3.01	-2.78	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-5.57	6.30	Complies
106	5530 MHz	-3.95	6.30	Complies
122	5610 MHz	-2.61	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-4.77	-3.01	-7.78	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.21	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.70	-3.01	2.69	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.07	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.46	-3.01	0.45	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-0.31	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.32	-3.01	-4.33	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.81	6.30	Complies
60	5300 MHz	5.78	6.30	Complies
64	5320 MHz	5.78	6.30	Complies
100	5500 MHz	5.80	6.30	Complies
116	5580 MHz	5.63	6.30	Complies
140	5700 MHz	4.36	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.67	-3.01	0.66	25.30	Complies
157	5785 MHz	10.26	-3.01	7.25	25.30	Complies
165	5825 MHz	4.89	-3.01	1.88	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.70	6.30	Complies
62	5310 MHz	1.02	6.30	Complies
102	5510 MHz	2.38	6.30	Complies
110	5550 MHz	2.79	6.30	Complies
134	5670 MHz	2.68	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.13	-3.01	-2.88	25.30	Complies
159	5795 MHz	1.71	-3.01	-1.30	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.07	6.30	Complies
106	5530 MHz	-1.35	6.30	Complies
122	5610 MHz	-0.32	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.42	-3.01	-6.43	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.29	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.01	-3.01	3.00	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.48	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.66	-3.01	-0.35	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.29	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.93	-3.01	-2.08	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.24	11.00	Complies
60	5300 MHz	5.24	11.00	Complies
64	5320 MHz	5.24	11.00	Complies
100	5500 MHz	6.06	11.00	Complies
116	5580 MHz	8.89	11.00	Complies
140	5700 MHz	4.46	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	4.18	-3.01	1.17	30.00	Complies
157	5785 MHz	7.83	-3.01	4.82	30.00	Complies
165	5825 MHz	5.36	-3.01	2.35	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	1.61	11.00	Complies
62	5310 MHz	0.02	11.00	Complies
102	5510 MHz	0.44	11.00	Complies
110	5550 MHz	1.79	11.00	Complies
134	5670 MHz	1.86	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.27	-3.01	-2.74	30.00	Complies
159	5795 MHz	3.60	-3.01	0.59	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-4.47	11.00	Complies
106	5530 MHz	-3.26	11.00	Complies
122	5610 MHz	-1.59	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.59	-3.01	-6.60	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.12	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.49	-3.01	4.48	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.29	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.12	-3.01	0.11	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.85	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.00	-3.01	-4.01	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.47	8.59	Complies
60	5300 MHz	8.57	8.59	Complies
64	5320 MHz	7.88	8.59	Complies
100	5500 MHz	8.27	8.59	Complies
116	5580 MHz	8.52	8.59	Complies
140	5700 MHz	6.03	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.49	-3.01	3.48	27.59	Complies
157	5785 MHz	11.08	-3.01	8.07	27.59	Complies
165	5825 MHz	7.90	-3.01	4.89	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.45	8.59	Complies
62	5310 MHz	2.21	8.59	Complies
102	5510 MHz	3.87	8.59	Complies
110	5550 MHz	7.39	8.59	Complies
134	5670 MHz	3.81	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.01	-3.01	-1.00	27.59	Complies
159	5795 MHz	4.49	-3.01	1.48	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-0.37	8.59	Complies
106	5530 MHz	0.63	8.59	Complies
122	5610 MHz	2.69	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.56	-3.01	-3.57	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.57	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.18	-3.01	5.17	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.63	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	6.80	-3.01	3.79	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.91	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.77	-3.01	-0.24	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.47	13.59	Complies
40	5200 MHz	11.67	13.59	Complies
48	5240 MHz	9.28	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.88	13.59	Complies
46	5230 MHz	7.77	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.06	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	5.56	12.30	Complies
40	5200 MHz	10.37	12.30	Complies
48	5240 MHz	8.84	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.65	12.30	Complies
46	5230 MHz	6.86	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.52	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	14.59	Complies
40	5200 MHz	11.67	14.59	Complies
48	5240 MHz	11.01	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.88	14.59	Complies
46	5230 MHz	8.48	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.06	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-0.98	13.59	Complies
40	5200 MHz	-0.95	13.59	Complies
48	5240 MHz	-1.06	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-3.72	13.59	Complies
46	5230 MHz	-3.85	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-7.31	13.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B1 limit 17-(9.41-6)=13.59dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.14	12.30	Complies
40	5200 MHz	0.25	12.30	Complies
48	5240 MHz	0.06	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.74	12.30	Complies
46	5230 MHz	-2.87	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.67	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.45	14.59	Complies
40	5200 MHz	3.40	14.59	Complies
48	5240 MHz	3.27	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.25	14.59	Complies
46	5230 MHz	0.32	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.64	14.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B1 limit 17-(8.41-6)=14.59dBm/MHz.

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.51	14.89	Complies
40	5200 MHz	0.47	14.89	Complies
48	5240 MHz	0.36	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.64	14.89	Complies
46	5230 MHz	-2.68	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-6.05	14.89	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.11dBi >6dBi, so the B1 limit 17-(8.11-6)=14.89dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor / outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	7.48	7.59	Complies
60	5300 MHz	7.38	7.59	Complies
64	5320 MHz	6.83	7.59	Complies
100	5500 MHz	7.58	7.59	Complies
116	5580 MHz	7.52	7.59	Complies
140	5700 MHz	3.13	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.05	-3.01	0.04	26.59	Complies
157	5785 MHz	8.36	-3.01	5.35	26.59	Complies
165	5825 MHz	3.45	-3.01	0.44	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	4.59	7.59	Complies
62	5310 MHz	0.01	7.59	Complies
102	5510 MHz	1.83	7.59	Complies
110	5550 MHz	4.56	7.59	Complies
134	5670 MHz	2.59	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-0.51	-3.01	-3.52	26.59	Complies
159	5795 MHz	1.87	-3.01	-1.14	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.29	7.59	Complies
106	5530 MHz	-0.27	7.59	Complies
122	5610 MHz	0.01	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B2 B3 limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.30	-3.01	-6.31	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the B4 limit 30-(9.41-6)=26.59dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	7.51	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.12	-3.01	4.11	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	6.71	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	6.11	-3.01	3.10	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.84	7.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 11-(9.41-6)=7.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	1.57	-3.01	-1.44	26.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.41dBi >6dBi, so the limit 30-(9.41-6)=26.59dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.81	6.30	Complies
60	5300 MHz	5.82	6.30	Complies
64	5320 MHz	5.86	6.30	Complies
100	5500 MHz	5.09	6.30	Complies
116	5580 MHz	5.76	6.30	Complies
140	5700 MHz	3.53	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	4.59	-3.01	1.58	25.30	Complies
157	5785 MHz	7.34	-3.01	4.33	25.30	Complies
165	5825 MHz	4.96	-3.01	1.95	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.70	6.30	Complies
62	5310 MHz	2.43	6.30	Complies
102	5510 MHz	3.27	6.30	Complies
110	5550 MHz	2.79	6.30	Complies
134	5670 MHz	2.09	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-0.53	-3.01	-3.54	25.30	Complies
159	5795 MHz	0.09	-3.01	-2.92	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-2.33	6.30	Complies
106	5530 MHz	-1.88	6.30	Complies
122	5610 MHz	-1.05	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-4.05	-3.01	-7.06	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.29	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.01	-3.01	3.00	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.48	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.66	-3.01	-0.35	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.29	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.93	-3.01	-2.08	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.37	8.59	Complies
60	5300 MHz	8.25	8.59	Complies
64	5320 MHz	7.46	8.59	Complies
100	5500 MHz	8.27	8.59	Complies
116	5580 MHz	8.56	8.59	Complies
140	5700 MHz	6.44	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.49	-3.01	3.48	27.59	Complies
157	5785 MHz	11.08	-3.01	8.07	27.59	Complies
165	5825 MHz	6.97	-3.01	3.96	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.44	8.59	Complies
62	5310 MHz	2.21	8.59	Complies
102	5510 MHz	4.14	8.59	Complies
110	5550 MHz	5.28	8.59	Complies
134	5670 MHz	3.29	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.14	-3.01	-0.87	27.59	Complies
159	5795 MHz	4.78	-3.01	1.77	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.83	8.59	Complies
106	5530 MHz	0.17	8.59	Complies
122	5610 MHz	2.48	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B2 B3 limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.56	-3.01	-3.57	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the B4 limit 30-(8.41-6)=27.59dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.57	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.18	-3.01	5.17	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	6.63	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	5.78	-3.01	2.77	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	4.98	8.59	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 11-(8.41-6)=8.59dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	3.67	-3.01	0.66	27.59	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.41dBi >6dBi, so the limit 30-(8.41-6)=27.59dBm/500kHz.

<For STBC Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.12	16.60	Complies
40	5200 MHz	11.49	16.60	Complies
48	5240 MHz	10.57	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.97	16.60	Complies
46	5230 MHz	7.79	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.02	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.83	12.30	Complies
40	5200 MHz	11.49	12.30	Complies
48	5240 MHz	9.96	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.05	12.30	Complies
46	5230 MHz	6.51	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.13	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.33	17.00	Complies
40	5200 MHz	11.49	17.00	Complies
48	5240 MHz	11.32	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.11	17.00	Complies
46	5230 MHz	8.37	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.36	17.00	Complies

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

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.82	16.60	Complies
40	5200 MHz	1.75	16.60	Complies
48	5240 MHz	1.74	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-0.98	16.60	Complies
46	5230 MHz	-0.95	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.17	16.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B1 limit 17-(6.40-6)=16.60dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.19	12.30	Complies
40	5200 MHz	0.33	12.30	Complies
48	5240 MHz	0.15	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.45	12.30	Complies
46	5230 MHz	-2.62	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.74	12.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.55	17.00	Complies
40	5200 MHz	6.43	17.00	Complies
48	5240 MHz	6.32	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.43	17.00	Complies
46	5230 MHz	3.39	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.36	17.00	Complies

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

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.65	17.00	Complies
40	5200 MHz	3.49	17.00	Complies
48	5240 MHz	3.35	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.16	17.00	Complies
46	5230 MHz	0.45	17.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.35	17.00	Complies

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

Temperature	23°C	Humidity	61%
Test Engineer	Magic Lai		
Test Mode	Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)		

For indoor / outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.26	10.60	Complies
60	5300 MHz	9.63	10.60	Complies
64	5320 MHz	7.13	10.60	Complies
100	5500 MHz	7.59	10.60	Complies
116	5580 MHz	10.11	10.60	Complies
140	5700 MHz	4.21	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B2 B3 limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.80	-3.01	0.79	29.60	Complies
157	5785 MHz	9.89	-3.01	6.88	29.60	Complies
165	5825 MHz	4.16	-3.01	1.15	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.70	10.60	Complies
62	5310 MHz	1.15	10.60	Complies
102	5510 MHz	3.10	10.60	Complies
110	5550 MHz	5.32	10.60	Complies
134	5670 MHz	2.68	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B2 B3 limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.57	-3.01	-2.44	29.60	Complies
159	5795 MHz	2.53	-3.01	-0.48	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-2.39	10.60	Complies
106	5530 MHz	-0.88	10.60	Complies
122	5610 MHz	0.21	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B2 B3 limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-1.41	-3.01	-4.42	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the B4 limit 30-(6.40-6)=29.60dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	10.55	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	9.96	-3.01	6.95	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	10.01	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	9.11	-3.01	6.10	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.32	10.60	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 11-(6.40-6)=10.60dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.07	-3.01	-0.94	29.60	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =6.40dBi >6dBi, so the limit 30-(6.40-6)=29.60dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.16	6.30	Complies
60	5300 MHz	5.95	6.30	Complies
64	5320 MHz	5.80	6.30	Complies
100	5500 MHz	6.05	6.30	Complies
116	5580 MHz	5.95	6.30	Complies
140	5700 MHz	4.90	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.55	-3.01	0.54	25.30	Complies
157	5785 MHz	10.56	-3.01	7.55	25.30	Complies
165	5825 MHz	5.21	-3.01	2.20	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	3.05	6.30	Complies
62	5310 MHz	1.15	6.30	Complies
102	5510 MHz	2.29	6.30	Complies
110	5550 MHz	3.09	6.30	Complies
134	5670 MHz	2.68	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.07	-3.01	-2.94	25.30	Complies
159	5795 MHz	1.27	-3.01	-1.74	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.02	6.30	Complies
106	5530 MHz	-1.60	6.30	Complies
122	5610 MHz	-0.41	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.27	-3.01	-6.28	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.24	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.56	-3.01	2.55	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.38	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.51	-3.01	-0.50	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.73	6.30	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.31	-3.01	-3.32	25.30	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.26	11.00	Complies
60	5300 MHz	9.63	11.00	Complies
64	5320 MHz	9.23	11.00	Complies
100	5500 MHz	9.12	11.00	Complies
116	5580 MHz	10.11	11.00	Complies
140	5700 MHz	6.48	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	7.36	-3.01	4.35	30.00	Complies
157	5785 MHz	10.92	-3.01	7.91	30.00	Complies
165	5825 MHz	8.11	-3.01	5.10	30.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.70	11.00	Complies
62	5310 MHz	2.17	11.00	Complies
102	5510 MHz	4.05	11.00	Complies
110	5550 MHz	7.57	11.00	Complies
134	5670 MHz	4.74	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	3.47	-3.01	0.46	30.00	Complies
159	5795 MHz	4.73	-3.01	1.72	30.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.45	11.00	Complies
106	5530 MHz	0.20	11.00	Complies
122	5610 MHz	2.72	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.69	-3.01	-3.70	30.00	Complies

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

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	10.87	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	10.24	-3.01	7.23	30.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.41	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	7.01	-3.01	4.00	30.00	Complies

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

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.82	11.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.47	-3.01	-0.54	30.00	Complies

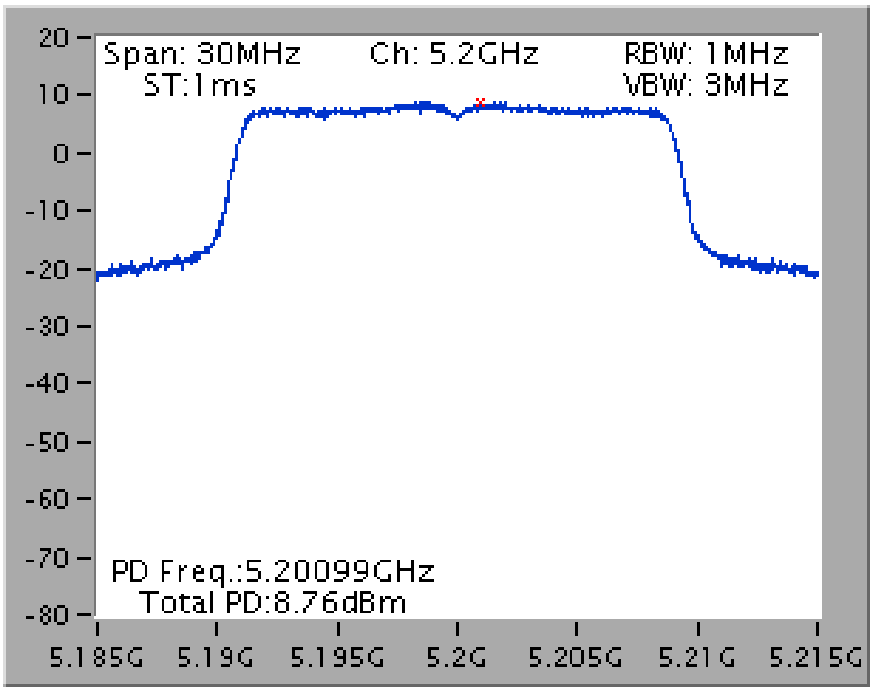
Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =5.40dBi<6dBi, so the limit doesn't reduce.

<For Non-Beamforming Mode>

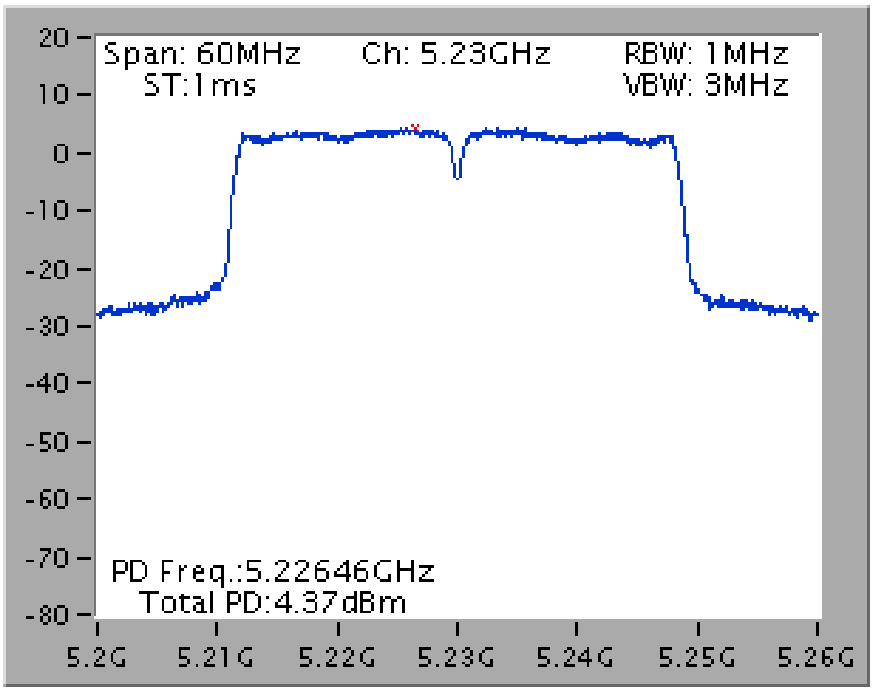
For indoor use

Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)

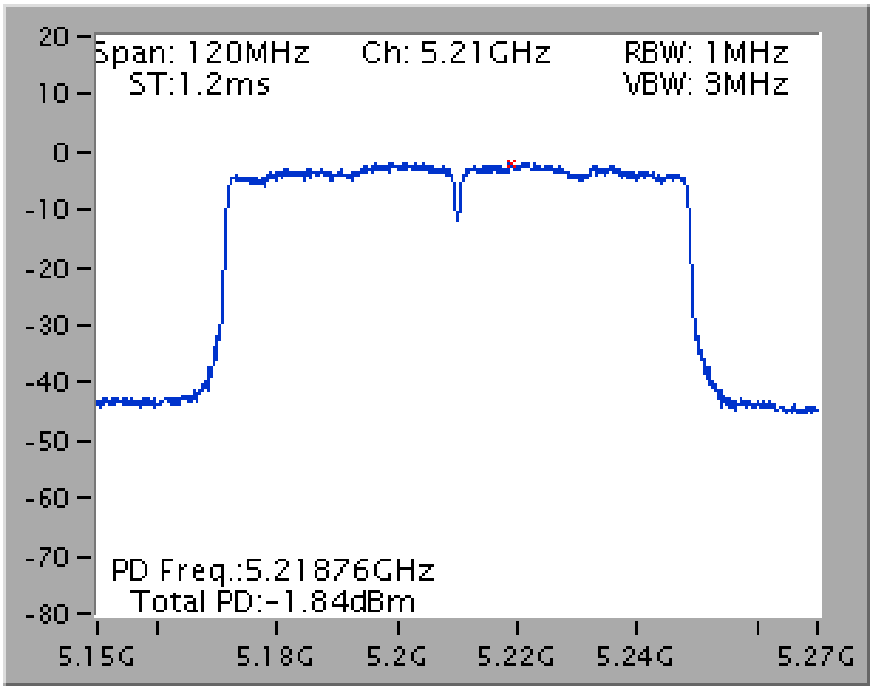
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5230 MHz

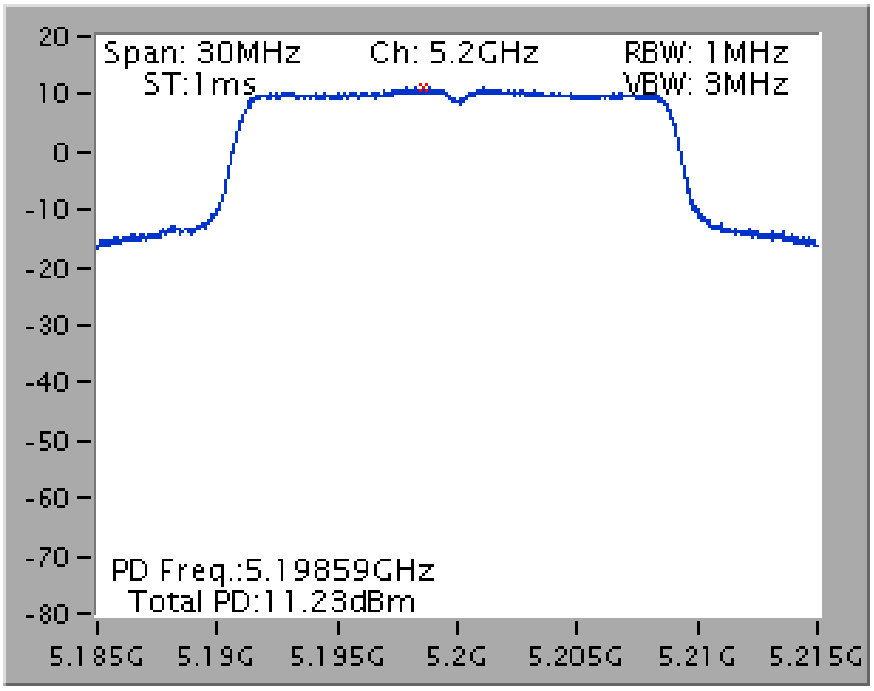


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz

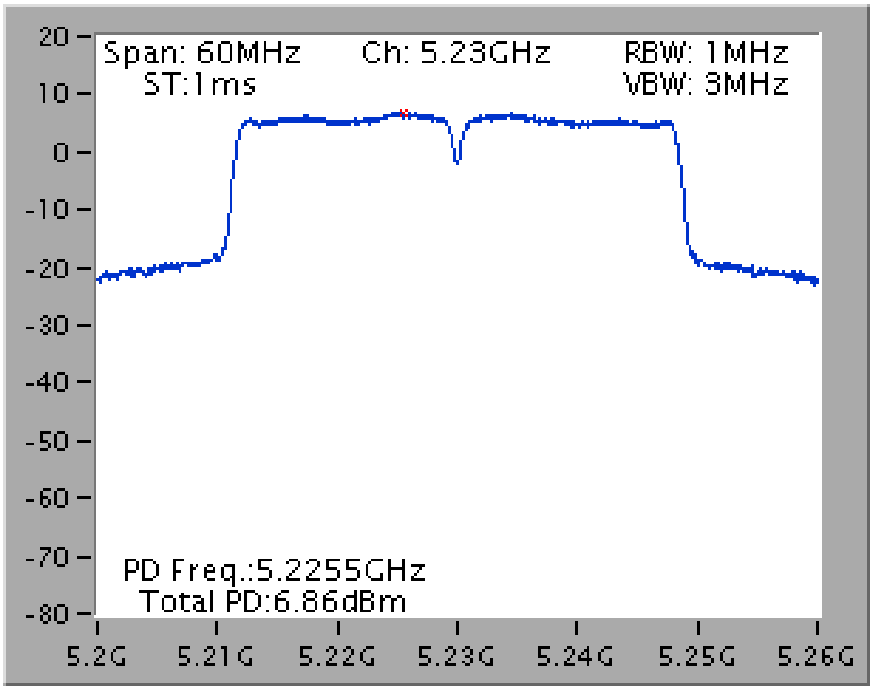


Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)

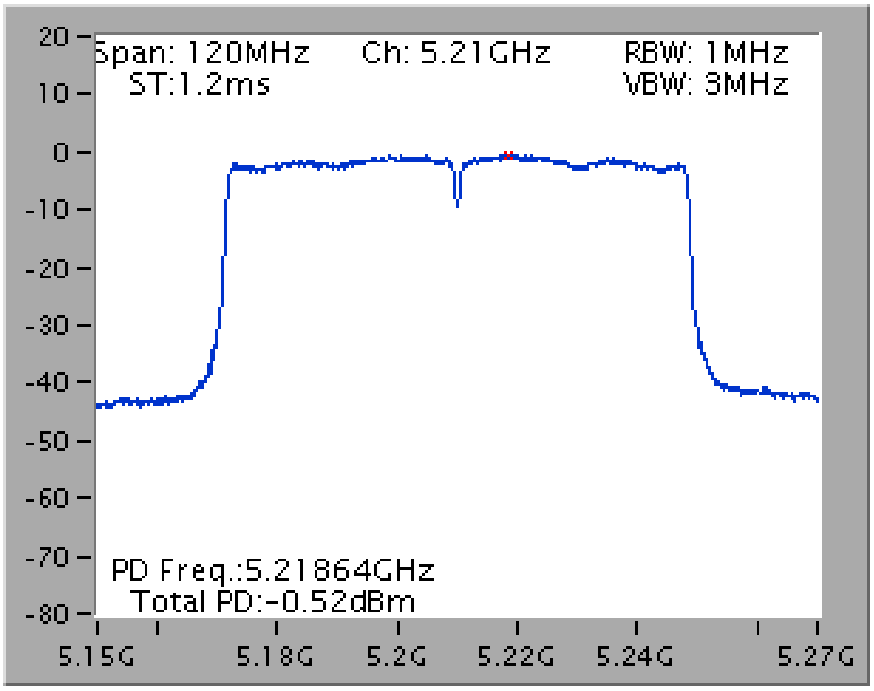
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz

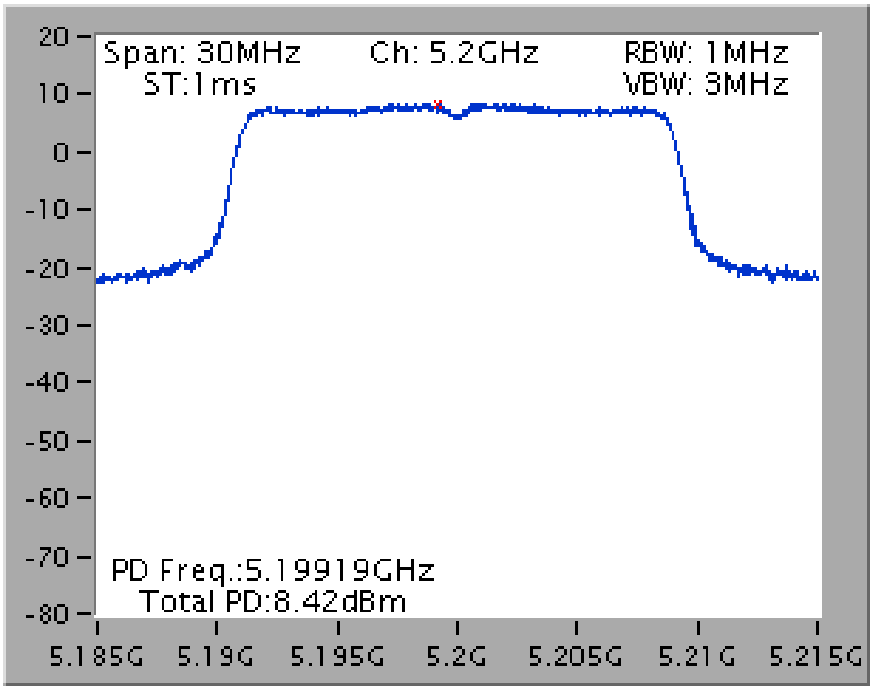


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

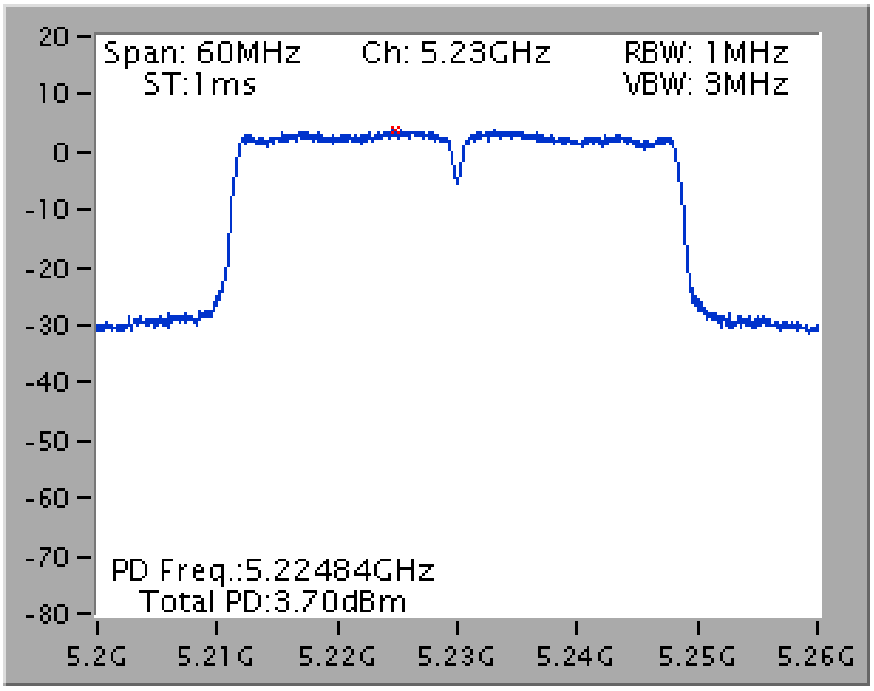


Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)

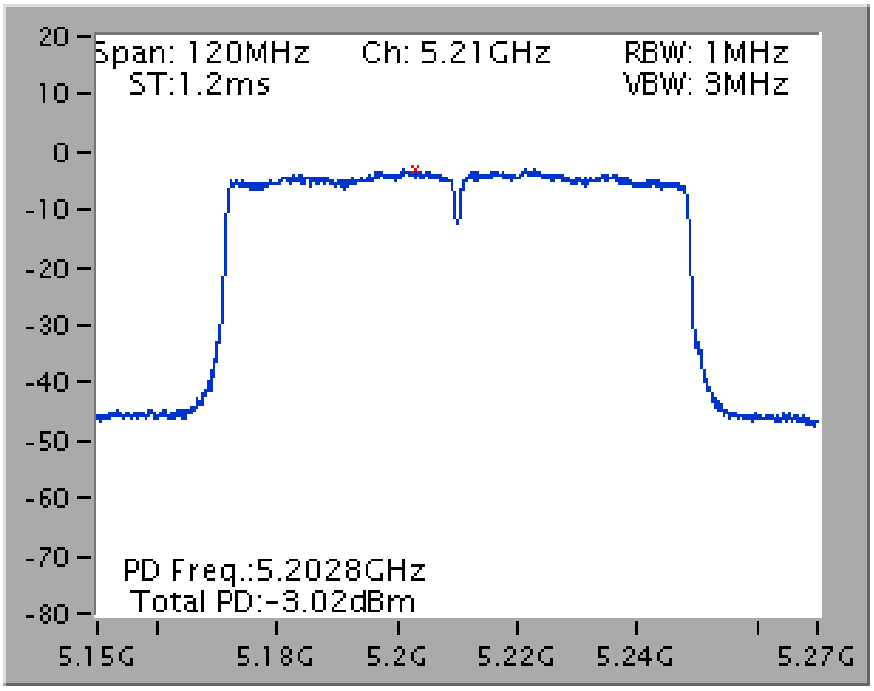
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5230 MHz

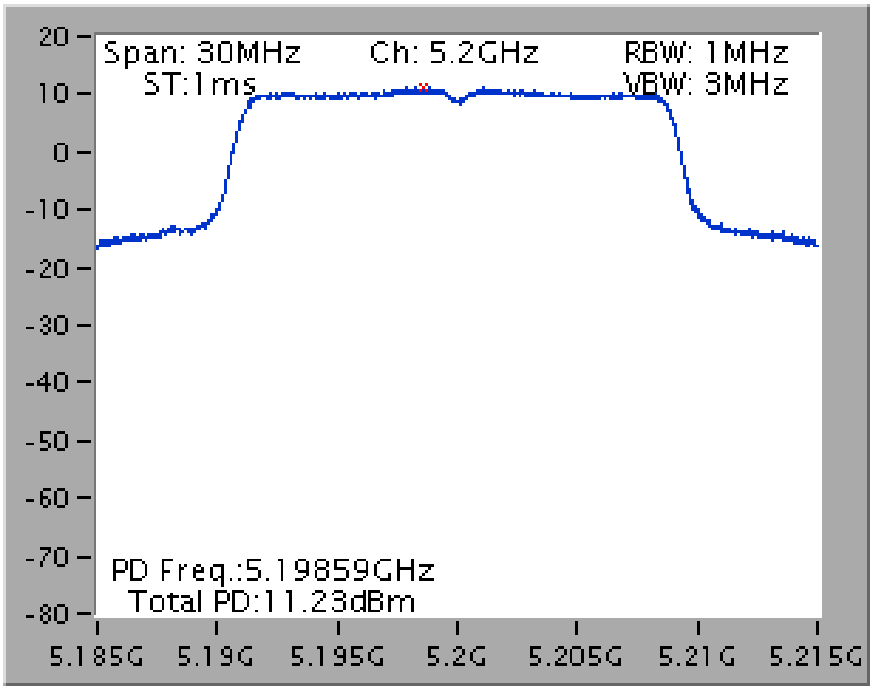


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz

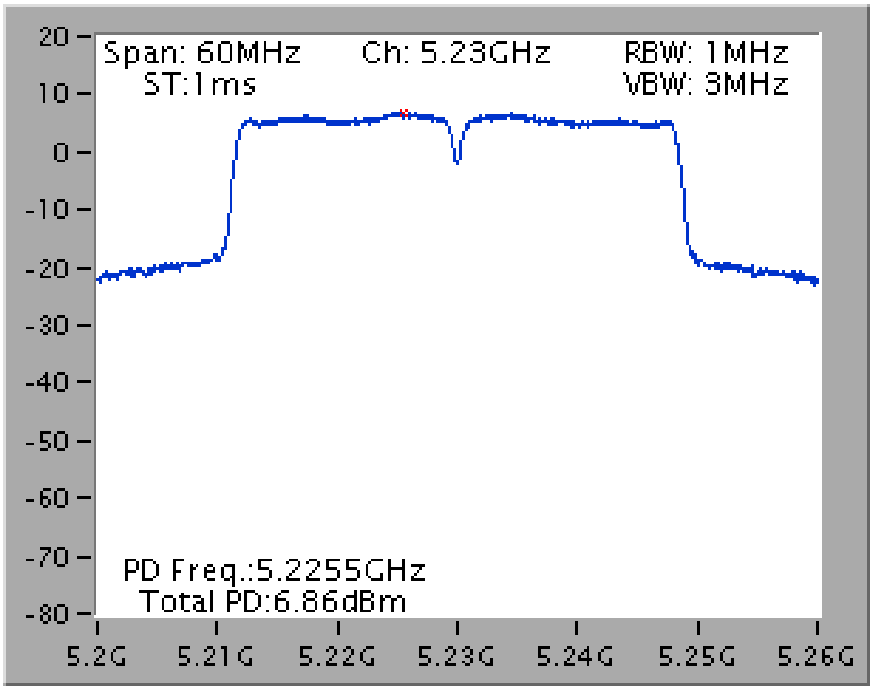


Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 2TX)

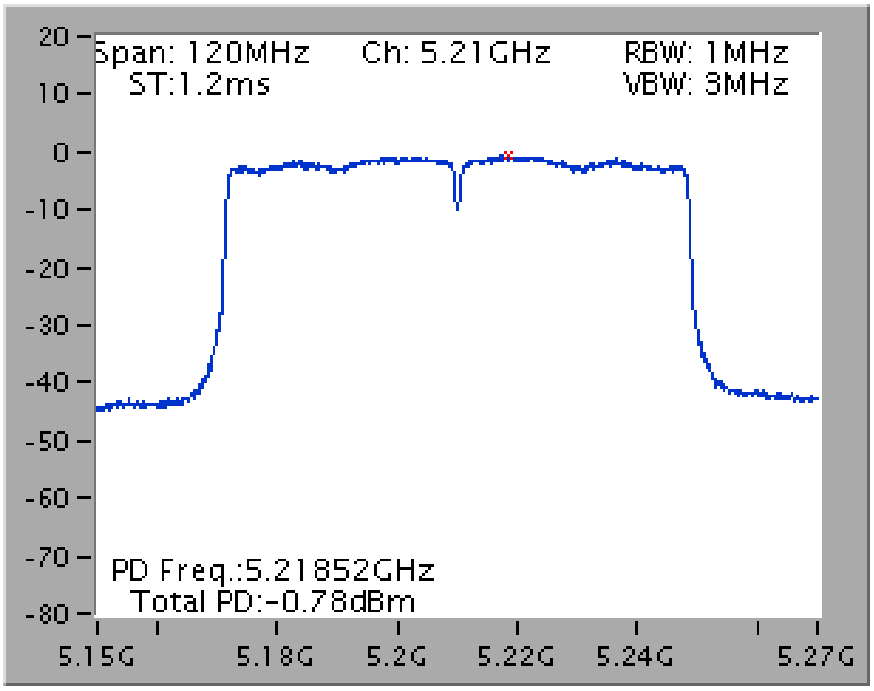
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz

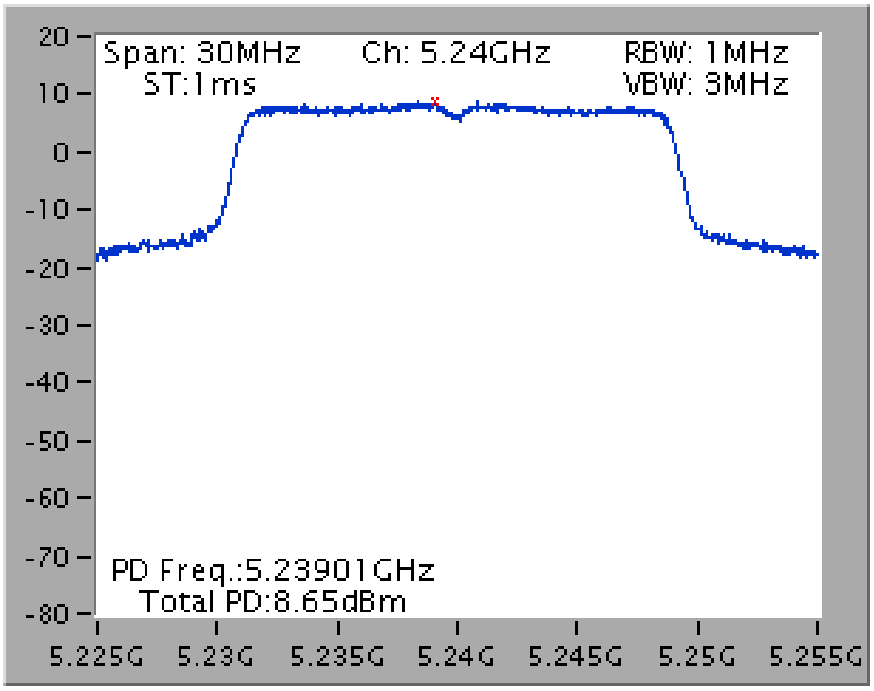


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

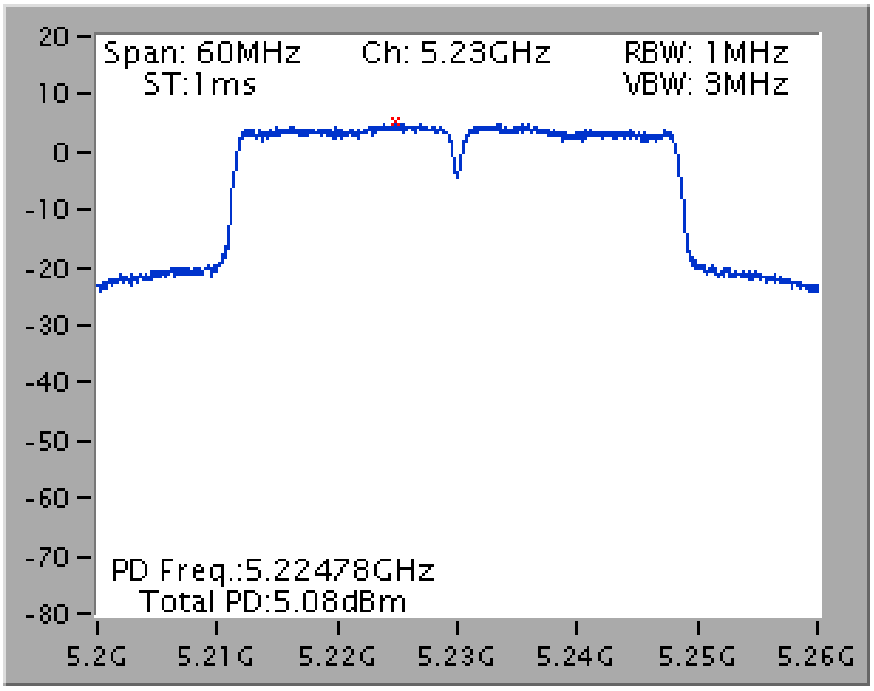


Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 1TX)

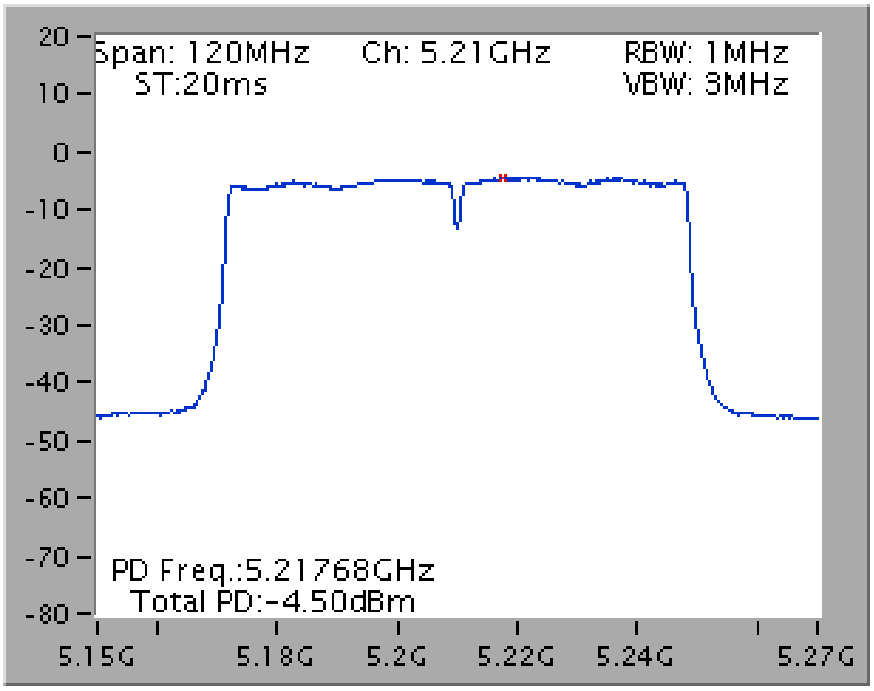
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5230 MHz

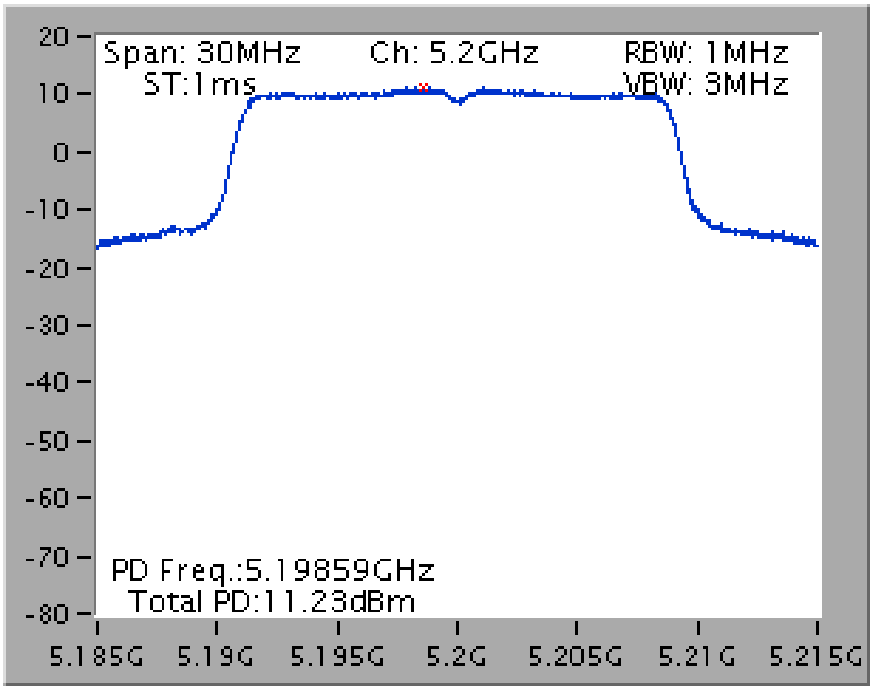


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5210 MHz

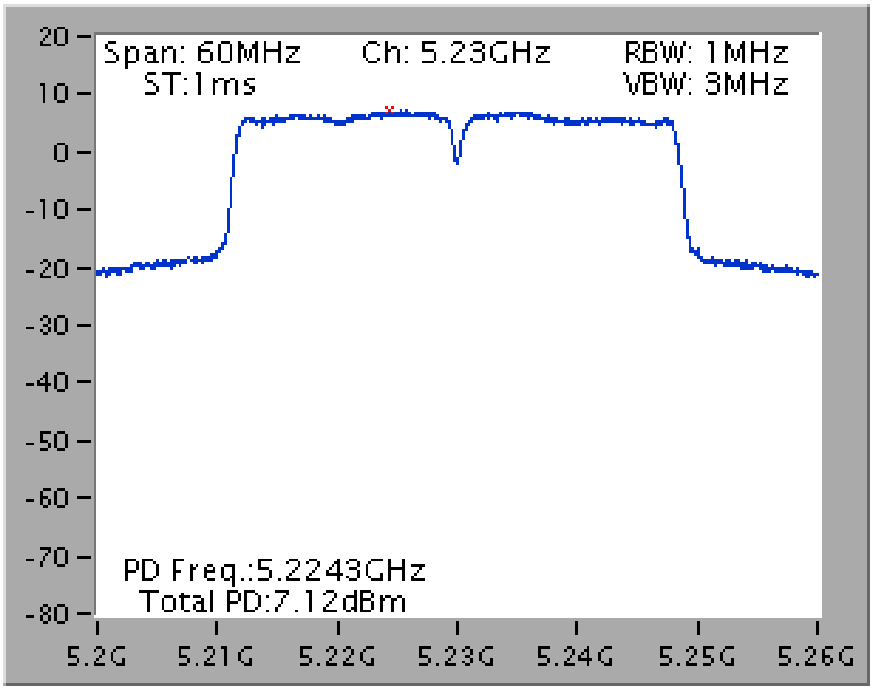


Mode 3 (Ant. 9 Patch antenna / 5.4dBi / 2TX)

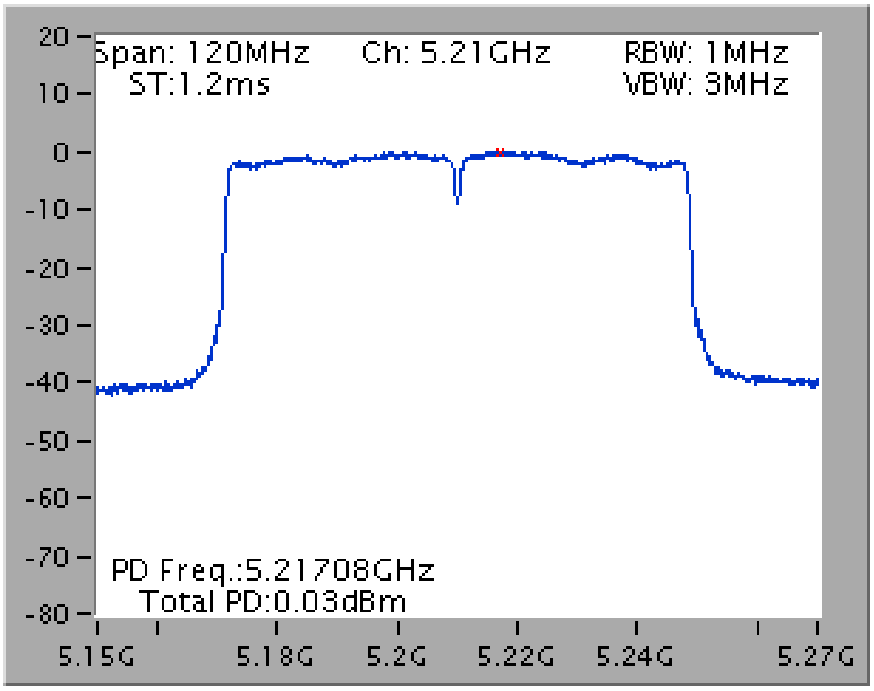
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



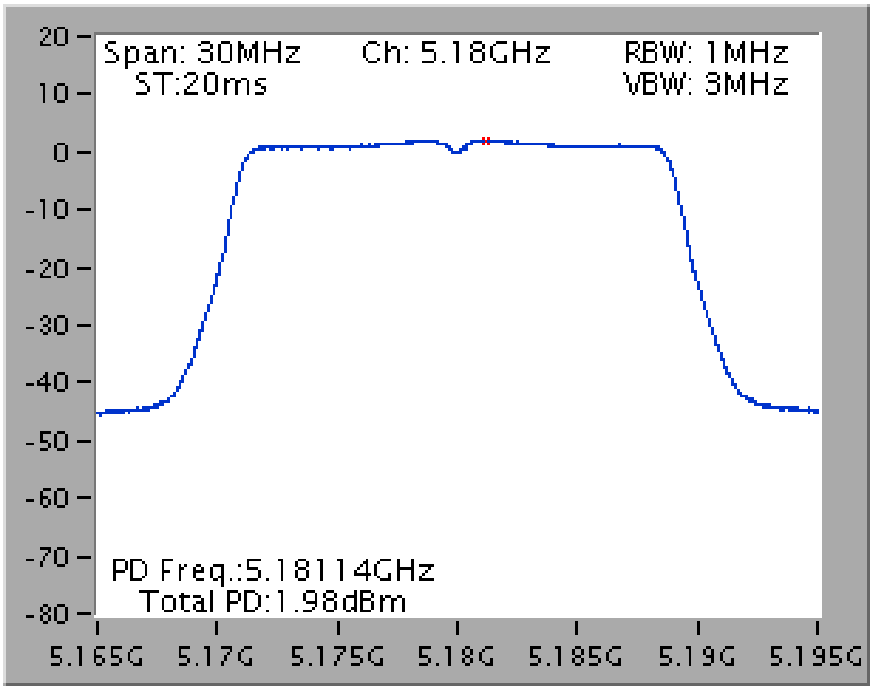
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



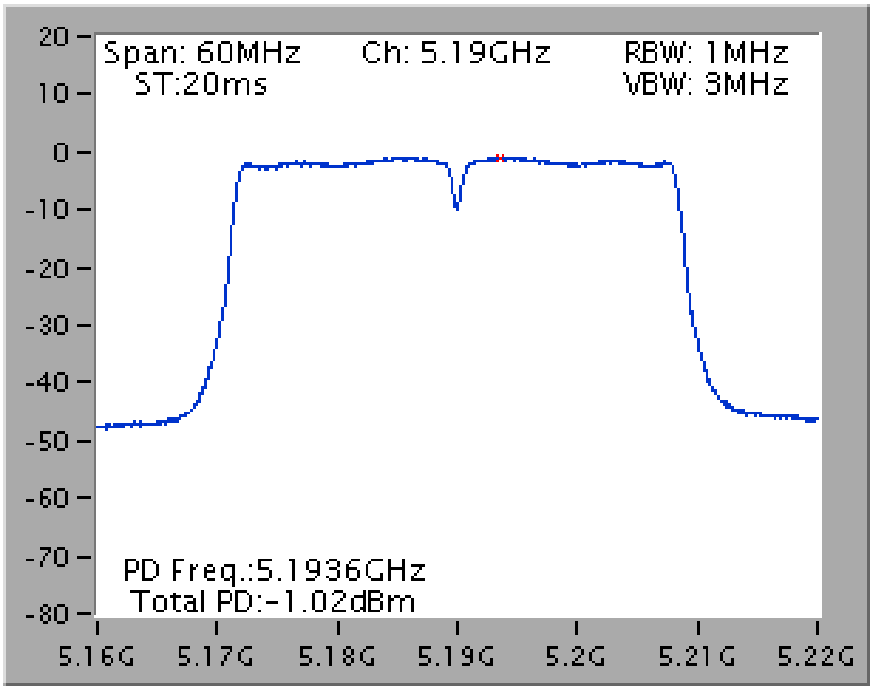
For outdoor use

Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 1TX)

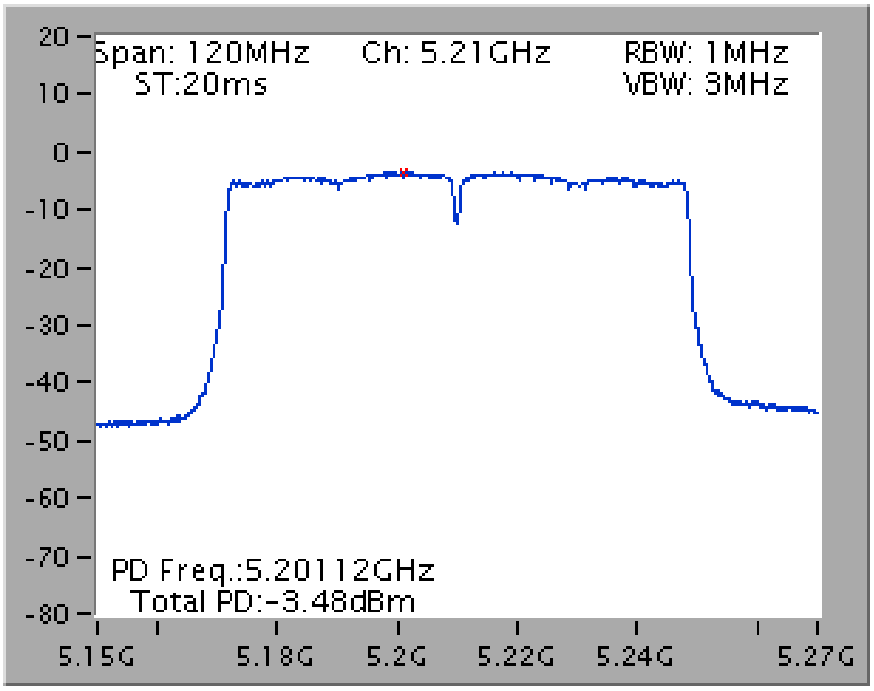
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5190 MHz

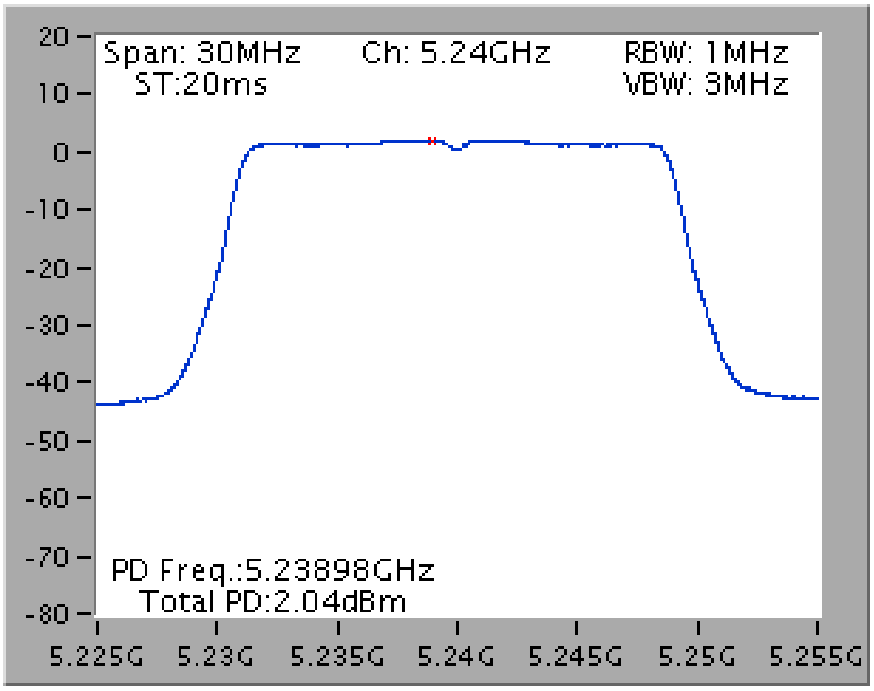


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz

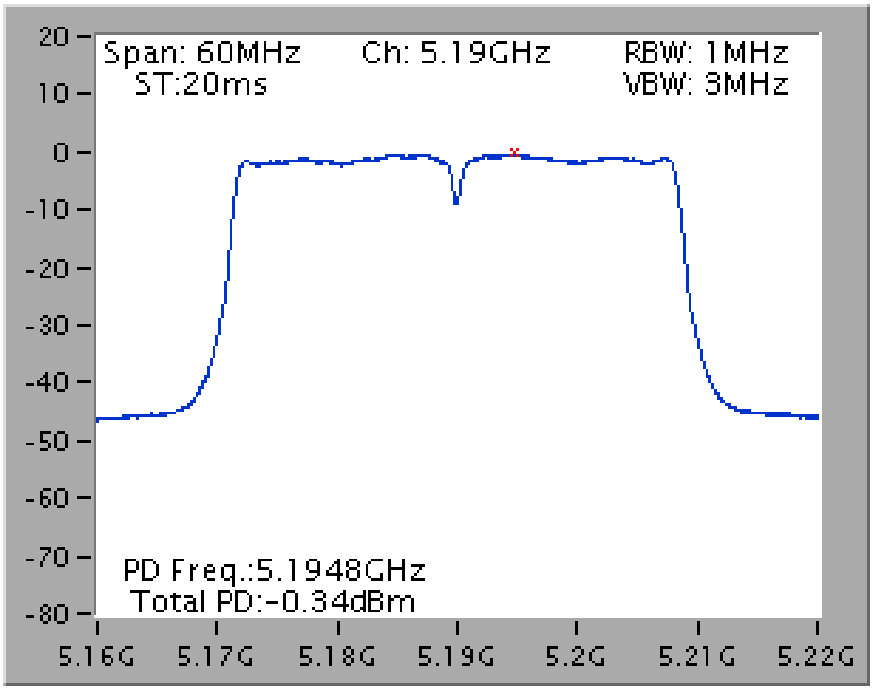


Mode 1 (Ant. 6 Dipole antenna / 6.4dBi / 2TX)

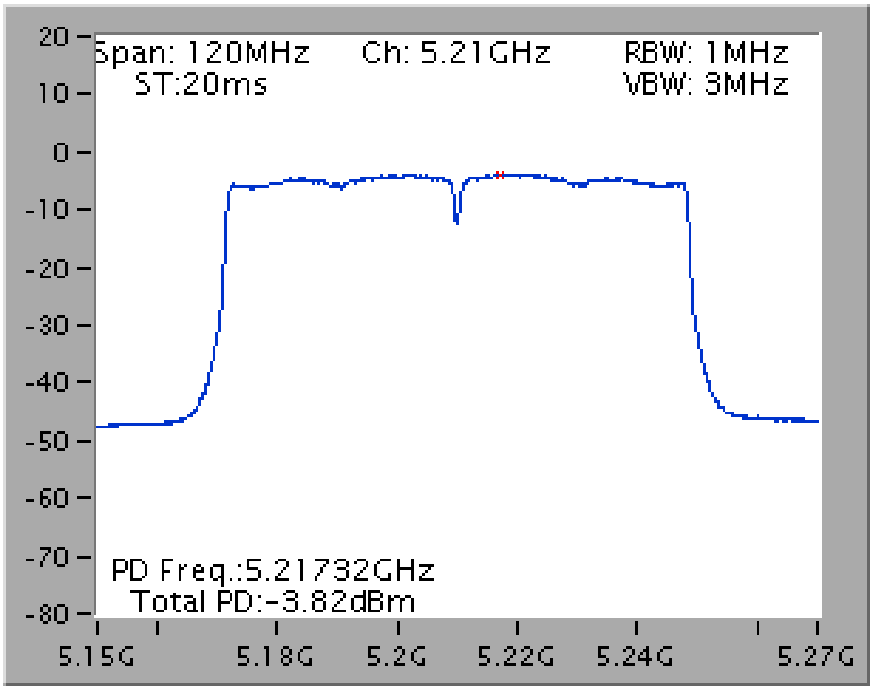
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz

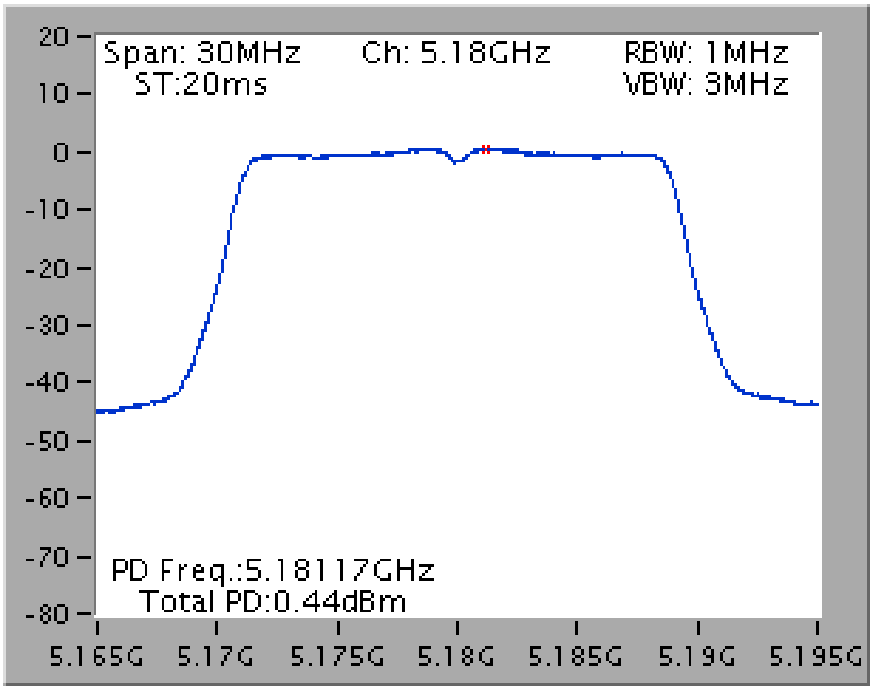


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



Mode 2 (Ant. 7 Polarized Panel / 10.7dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5190 MHz