

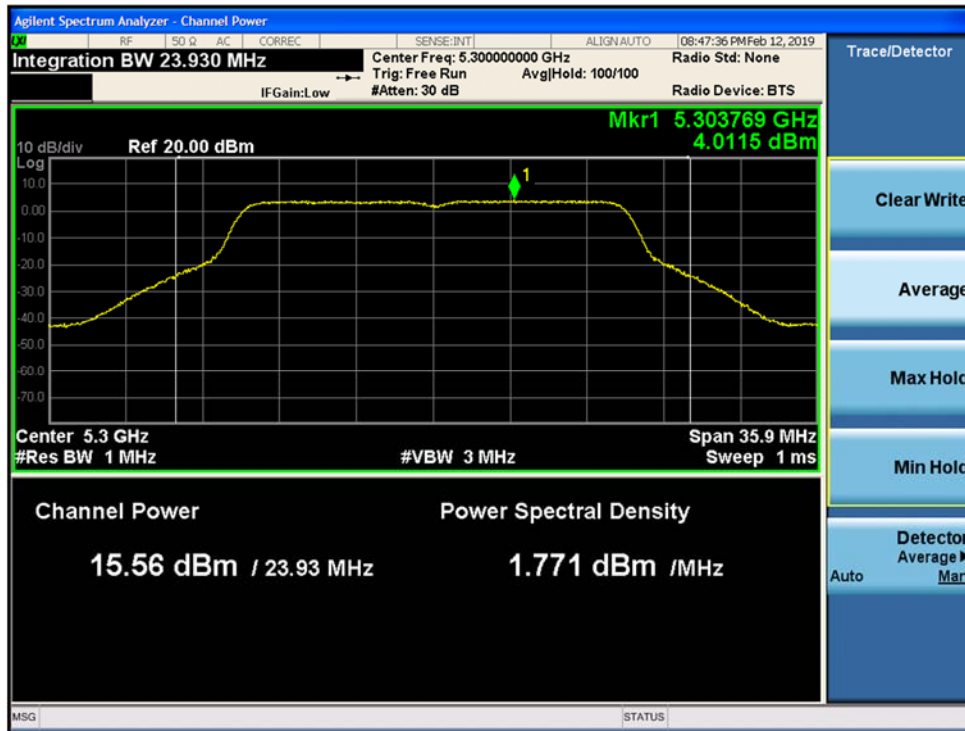


Figure 9-209. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT20 (Ch. 60)

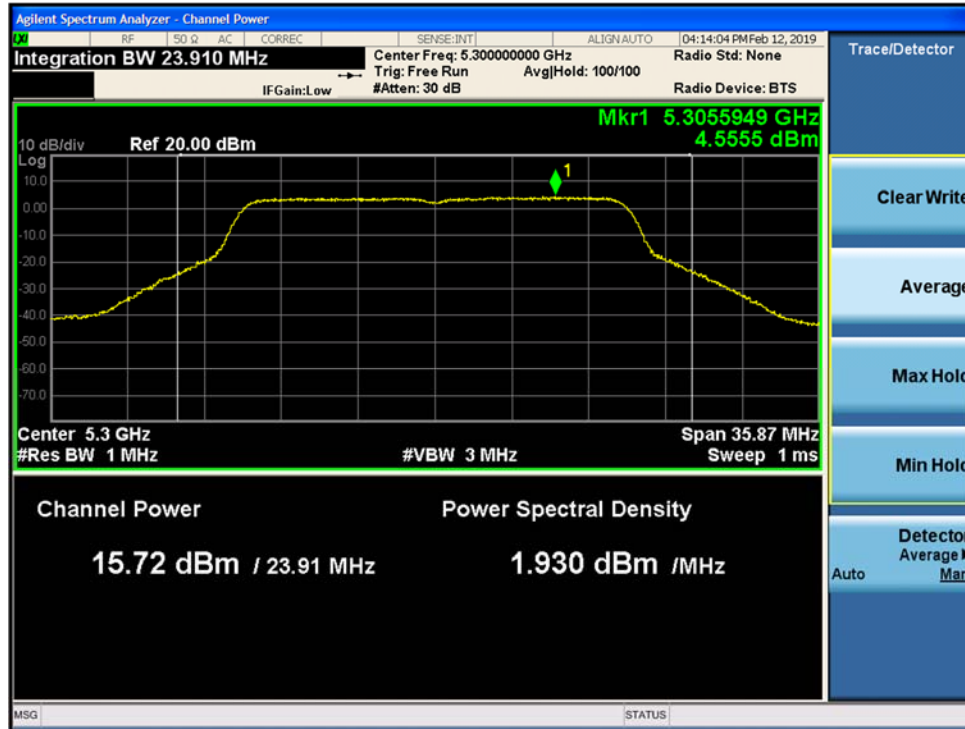


Figure 9-210. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT20 (Ch. 60)



Figure 9-211. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT20 (Ch. 116)

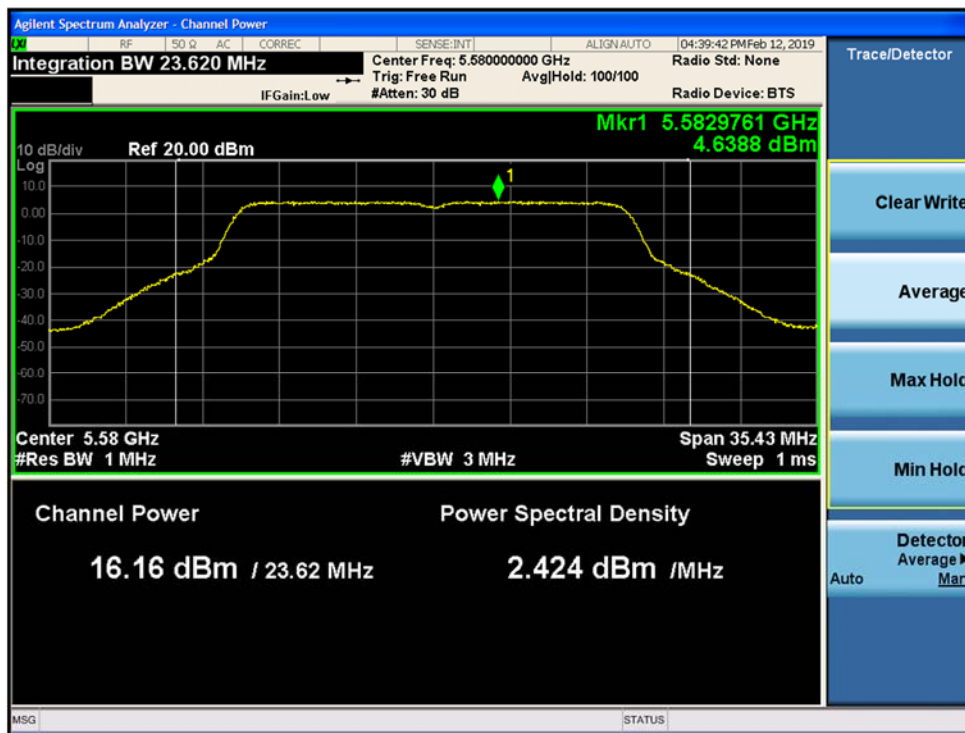


Figure 9-212. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT20 (Ch. 116)

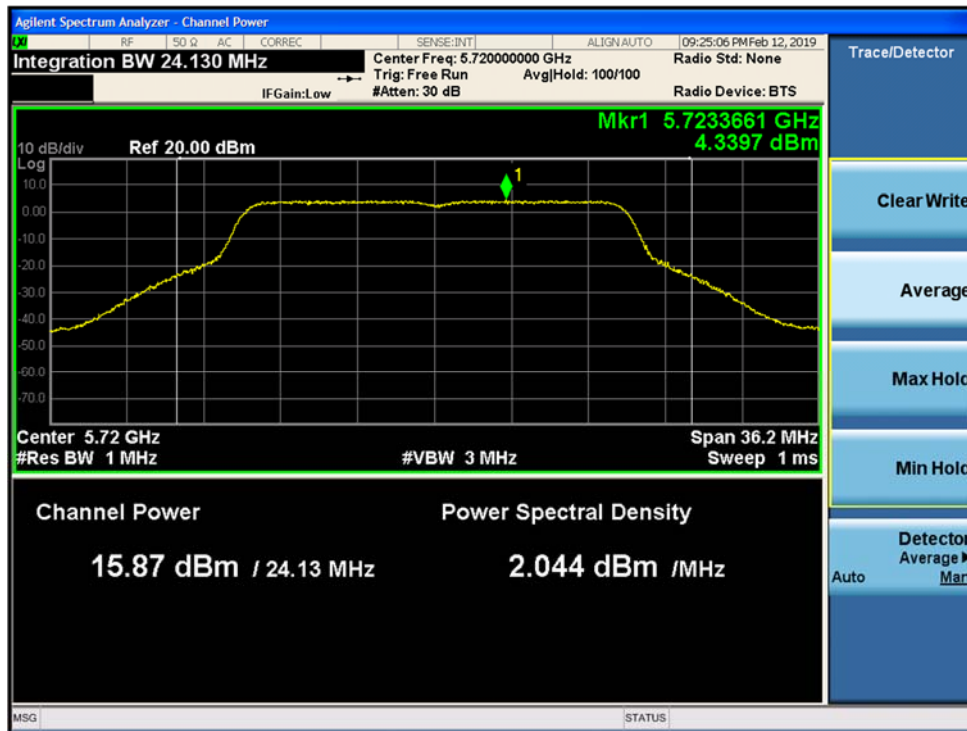


Figure 9-213. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT20 (Ch. 144)

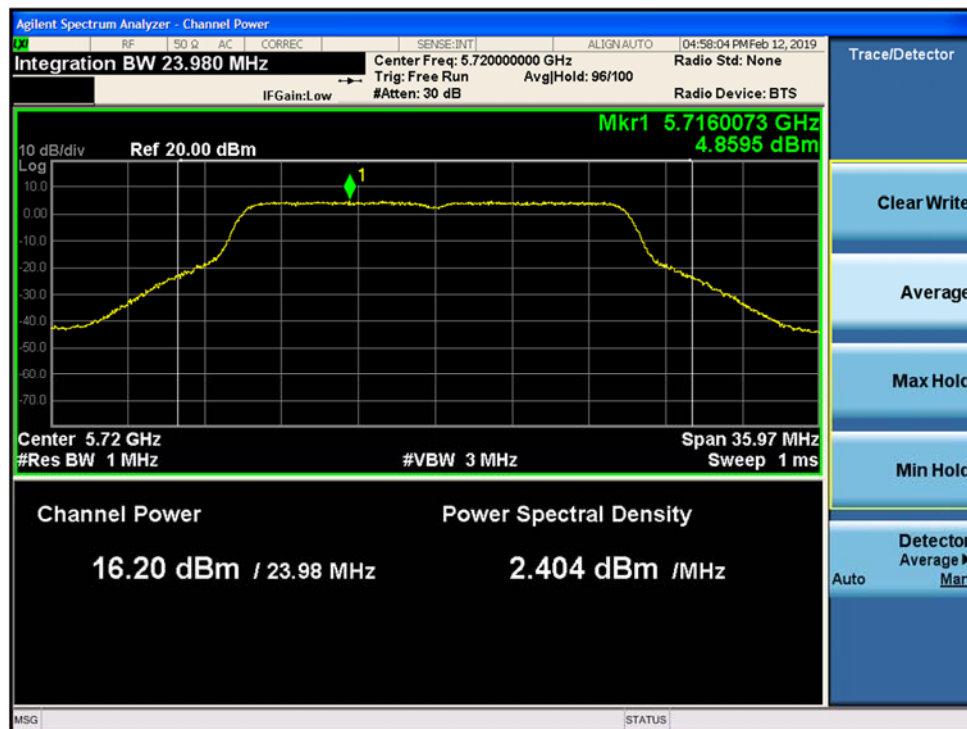


Figure 9-214. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT20 (Ch. 144)

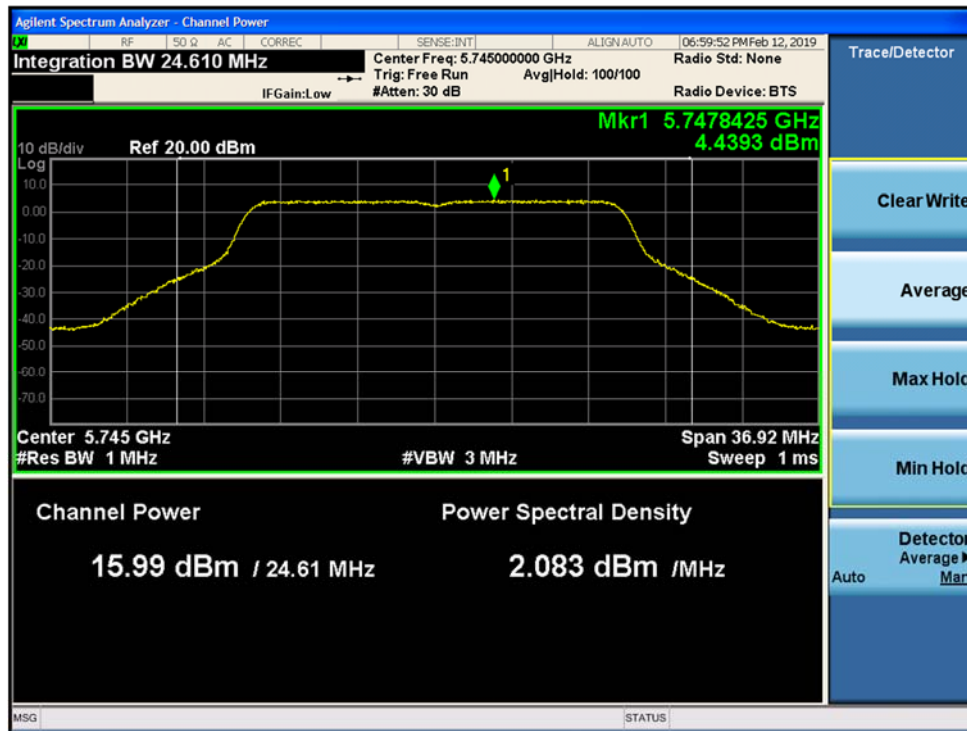


Figure 9-215. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT20 (Ch. 149)

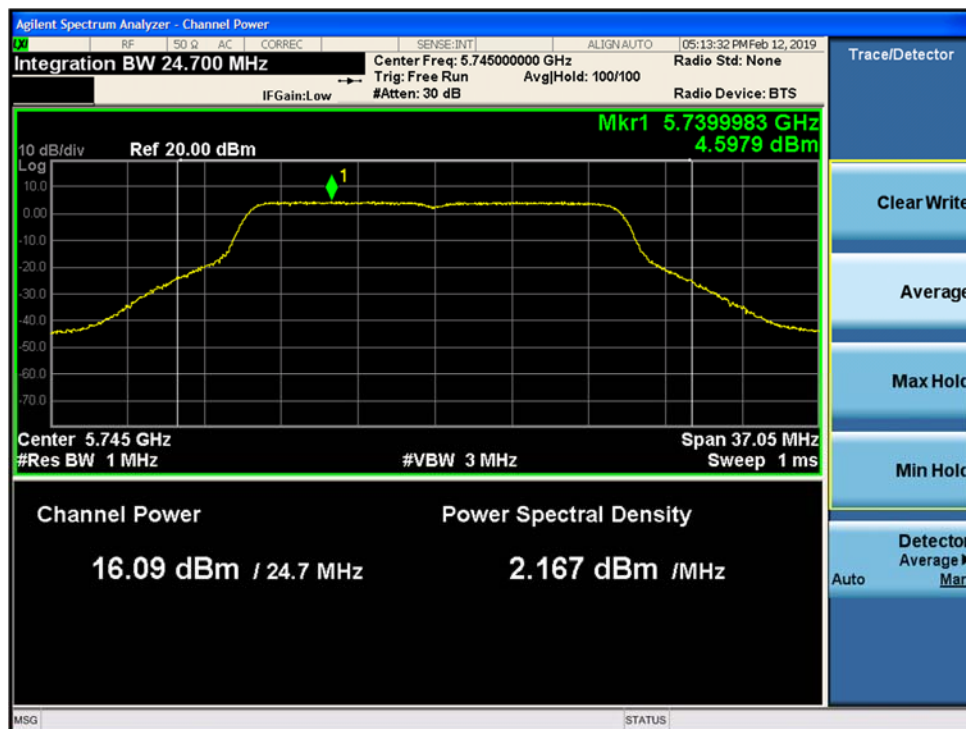


Figure 9-216. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT20 (Ch. 149)

9.5.5.13 SISO Chain A 802.11n HT40 Maximum Conducted Output Power

SISO Chain A 802.11n HT40 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	15.22	--	15.37	24.00	--	-8.63	--
46	5230	14.69	--	14.84	24.00	--	-9.16	--
54	5270	15.5	--	15.65	24.00	24.00	-8.35	-8.35
62	5310	15.5	--	15.65	24.00	24.00	-8.35	-8.35
102	5510	15.62	--	15.77	24.00	24.00	-8.23	-8.23
110	5550	16.04	--	16.19	24.00	24.00	-7.81	-7.81
134	5670	15.77	--	15.92	24.00	24.00	-8.08	-8.08
142	5710	15.56	--	15.71	24.00	24.00	-8.29	-8.29
151	5755	15.92	--	16.07	30.00	30.00	-13.93	-13.93
159	5795	15.78	--	15.93	30.00	30.00	-14.07	-14.07

SISO Chain A 802.11n HT40 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
38	5190	15.37	4.70	20.07	23.00	-2.93
46	5230	14.84	4.70	19.54	23.00	-3.46
54	5270	15.65	5.00	20.65	30.00	-9.35
62	5310	15.65	5.00	20.65	30.00	-9.35
102	5510	15.77	4.90	20.67	30.00	-9.33
110	5550	16.19	4.90	21.09	30.00	-8.91
134	5670	15.92	4.90	20.82	30.00	-9.18
142	5710	15.71	4.90	20.61	30.00	-9.39
151	5755	16.07	4.30	20.37	--	--
159	5795	15.93	4.30	20.23	--	--

9.5.5.14 SISO Chain A 802.11n HT40 Maximum Power Spectral Density

UNII-1 Chain A 802.11n HT40 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	Total Ant. Gain (dBi)	Total EIRP PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 EIRP PSD Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	0.72	--	0.87	4.70	5.57	11.00	10.00	-10.13	-4.43
46	5230	0.05	--	0.20	4.70	4.90	11.00	10.00	-10.80	-5.10

UNII-2A and UNII-2C Chain A 802.11n HT40 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $(\frac{dBm}{MHz})$	15.407 Limit $(\frac{dBm}{MHz})$	RSS-247 Limit $(\frac{dBm}{MHz})$	15.407 Margin (dB)	RSS-247 Margin (dB)
54	5270	0.75	--	0.90	11.00	11.00	-10.10	-10.10
62	5310	1.09	--	1.24	11.00	11.00	-9.76	-9.76
102	5510	0.96	--	1.11	11.00	11.00	-9.89	-9.89
110	5550	1.56	--	1.71	11.00	11.00	-9.29	-9.29
134	5670	1.02	--	1.17	11.00	11.00	-9.83	-9.83
142	5710	0.84	--	0.99	11.00	11.00	-10.01	-10.01

UNII-3 Chain A 802.11n HT40 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{500 kHz}\right)$	15.407 Limit $\left(\frac{dBm}{500 kHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{500 kHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
151	5755	-0.58	--	-0.43	30.00	30.00	-30.43	-30.43
159	5795	-0.56	--	-0.41	30.00	30.00	-30.41	-30.41
142	5710	-1.22	--	-1.07	30.00	30.00	-12.07	-12.07

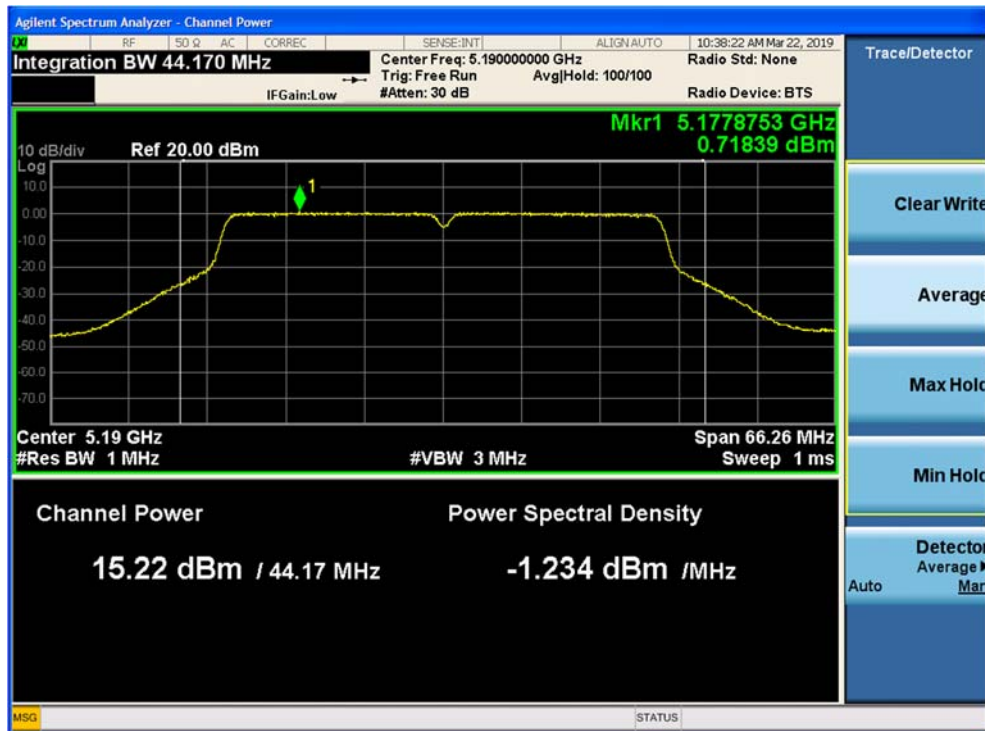


Figure 9-217. Maximum Conducted Output Power and PSD SISO Chain A 802.11n HT20 (Ch. 38)

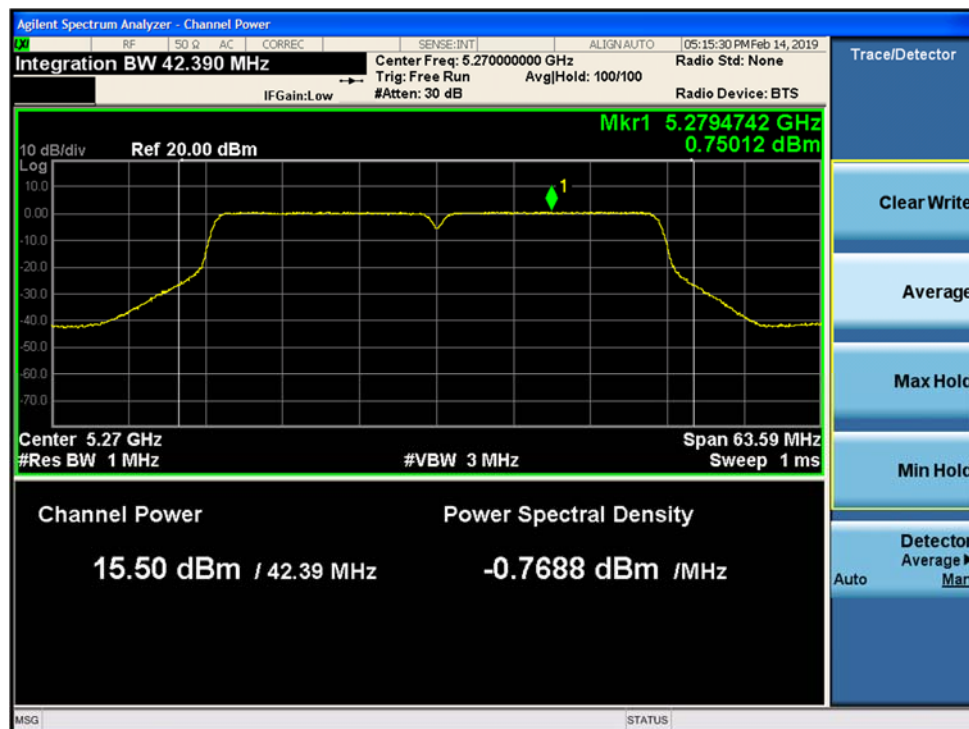


Figure 9-218. Maximum Conducted Output Power and PSD SISO Chain A 802.11n HT20 (Ch. 54)

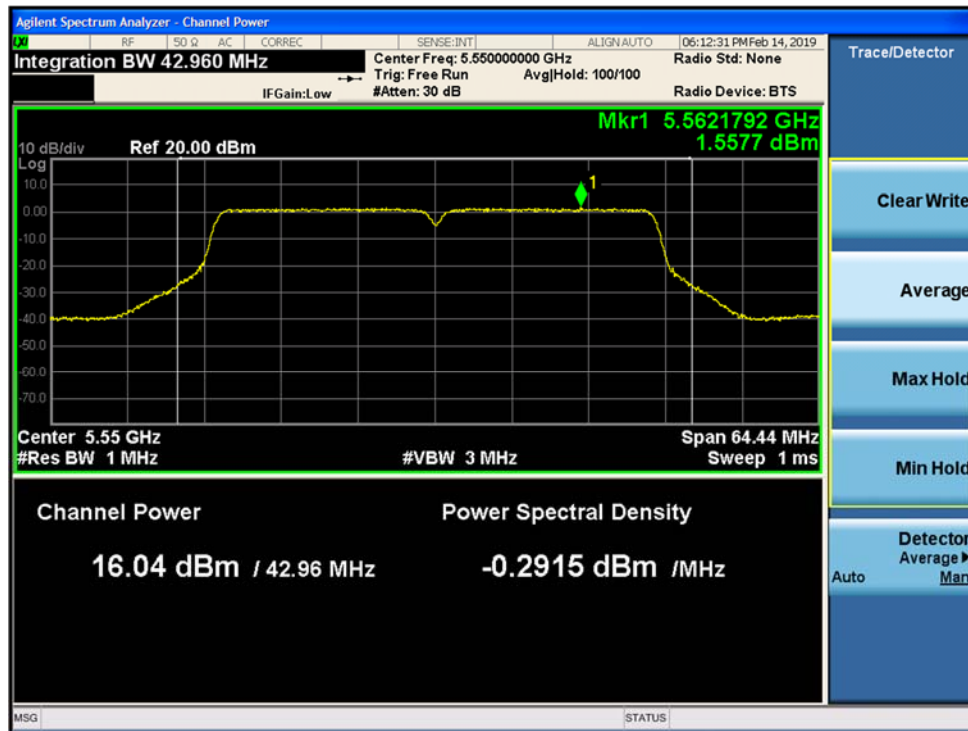


Figure 9-219. Maximum Conducted Output Power and PSD SISO Chain A 802.11n HT20 (Ch. 110)

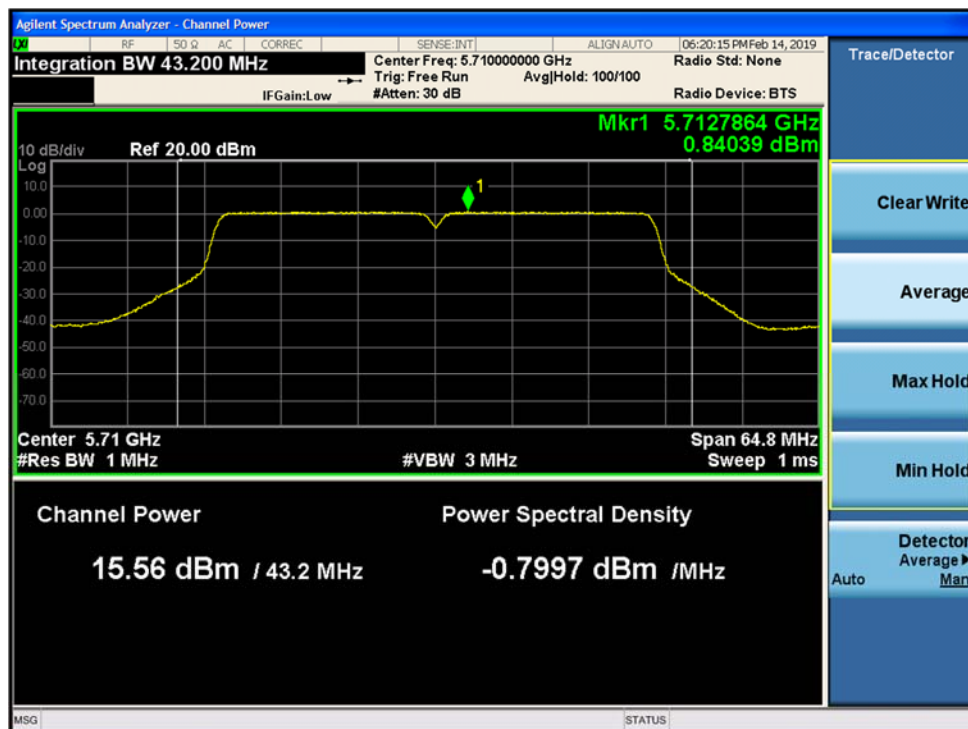


Figure 9-220. Maximum Conducted Output Power and PSD SISO Chain A 802.11n HT20 (Ch. 142)

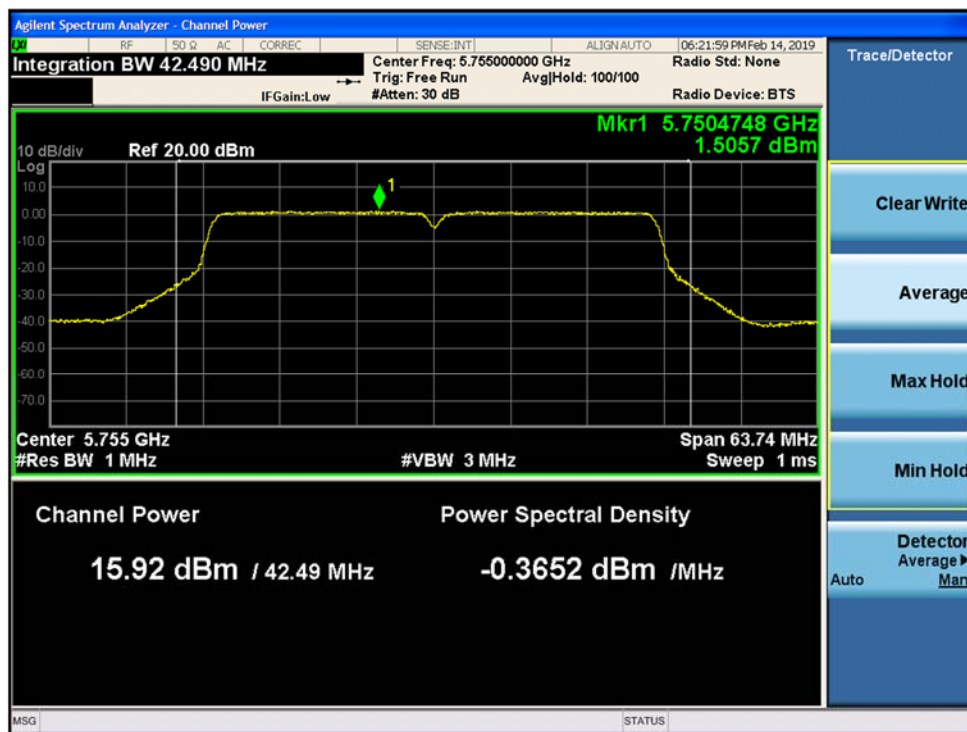


Figure 9-221. Maximum Conducted Output Power and PSD SISO Chain A 802.11n HT20 (Ch. 151)

9.5.5.15 SISO Chain B 802.11n HT40 Maximum Conducted Output Power

SISO Chain B 802.11n HT40 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	--	14.94	15.09	24.00	--	-8.91	--
46	5230	--	14.84	14.99	24.00	--	-9.01	--
54	5270	--	15.72	15.87	24.00	24.00	-8.13	-8.13
62	5310	--	15.80	15.95	24.00	24.00	-8.05	-8.05
102	5510	--	16.32	16.47	24.00	24.00	-7.53	-7.53
110	5550	--	16.29	16.44	24.00	24.00	-7.56	-7.56
134	5670	--	16.08	16.23	24.00	24.00	-7.77	-7.77
142	5710	--	16.02	16.17	24.00	24.00	-7.83	-7.83
151	5755	--	16.17	16.32	30.00	30.00	-13.68	-13.68
159	5795	--	16.11	16.26	30.00	30.00	-13.74	-13.74

SISO Chain B 802.11n HT40 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
38	5190	15.09	4.20	19.29	23.00	-3.71
46	5230	14.99	4.20	19.19	23.00	-3.81
54	5270	15.87	4.70	20.57	30.00	-9.43
62	5310	15.95	4.70	20.65	30.00	-9.35
102	5510	16.47	4.50	20.97	30.00	-9.03
110	5550	16.44	4.50	20.94	30.00	-9.06
134	5670	16.23	4.50	20.73	30.00	-9.27
142	5710	16.17	4.50	20.67	30.00	-9.33
151	5755	16.32	3.60	19.92	--	--
159	5795	16.26	3.60	19.86	--	--

9.5.5.16 SISO Chain B 802.11n HT40 Maximum Power Spectral Density

UNII-1 Chain B 802.11n HT40 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\frac{dBm}{MHz}$	Total Ant. Gain (dBi)	Total EIRP PSD $\frac{dBm}{MHz}$	15.407 Limit $\frac{dBm}{MHz}$	RSS-247 EIRP PSD Limit $\frac{dBm}{MHz}$	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	--	0.41	0.56	4.20	4.76	11.00	10.00	-10.44	-5.24
46	5230	--	0.34	0.49	4.20	4.69	11.00	10.00	-10.51	-5.31

UNII-2A and UNII-2C Chain B 802.11n HT40 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $(\frac{dBm}{MHz})$	15.407 Limit $(\frac{dBm}{MHz})$	RSS-247 Limit $(\frac{dBm}{MHz})$	15.407 Margin (dB)	RSS-247 Margin (dB)
54	5270	--	1.40	1.55	11.00	11.00	-9.45	-9.45
62	5310	--	1.04	1.19	11.00	11.00	-9.81	-9.81
102	5510	--	2.06	2.21	11.00	11.00	-8.79	-8.79
110	5550	--	1.80	1.95	11.00	11.00	-9.05	-9.05
134	5670	--	1.30	1.45	11.00	11.00	-9.55	-9.55
142	5710	--	1.37	1.52	11.00	11.00	-9.48	-9.48

UNII-3 Chain B 802.11n HT40 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD ($\frac{dBm}{500\text{ kHz}}$)	15.407 Limit ($\frac{dBm}{500\text{ kHz}}$)	RSS-247 Limit ($\frac{dBm}{500\text{ kHz}}$)	15.407 Margin (dB)	RSS-247 Margin (dB)
151	5755	--	-0.08	0.07	30.00	30.00	-29.93	-29.93
159	5795	--	0.13	0.28	30.00	30.00	-29.72	-29.72
142	5710	--	-0.84	-0.76	30.00	30.00	-11.76	-11.76

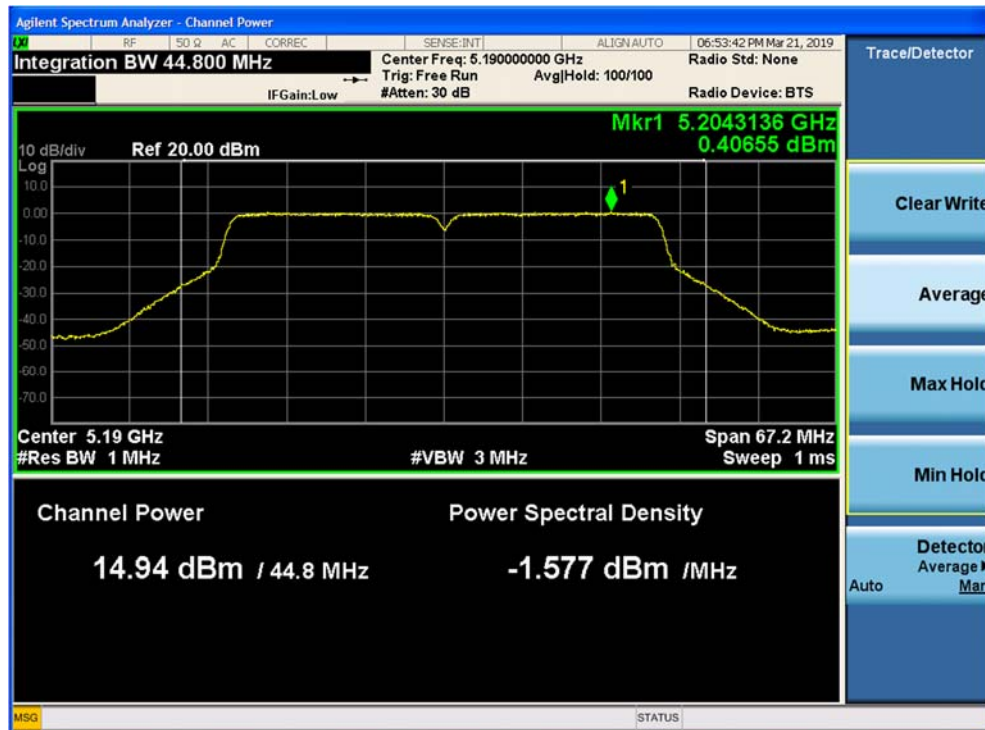


Figure 9-222. Maximum Conducted Output Power and PSD SISO Chain B 802.11n HT20 (Ch. 38)

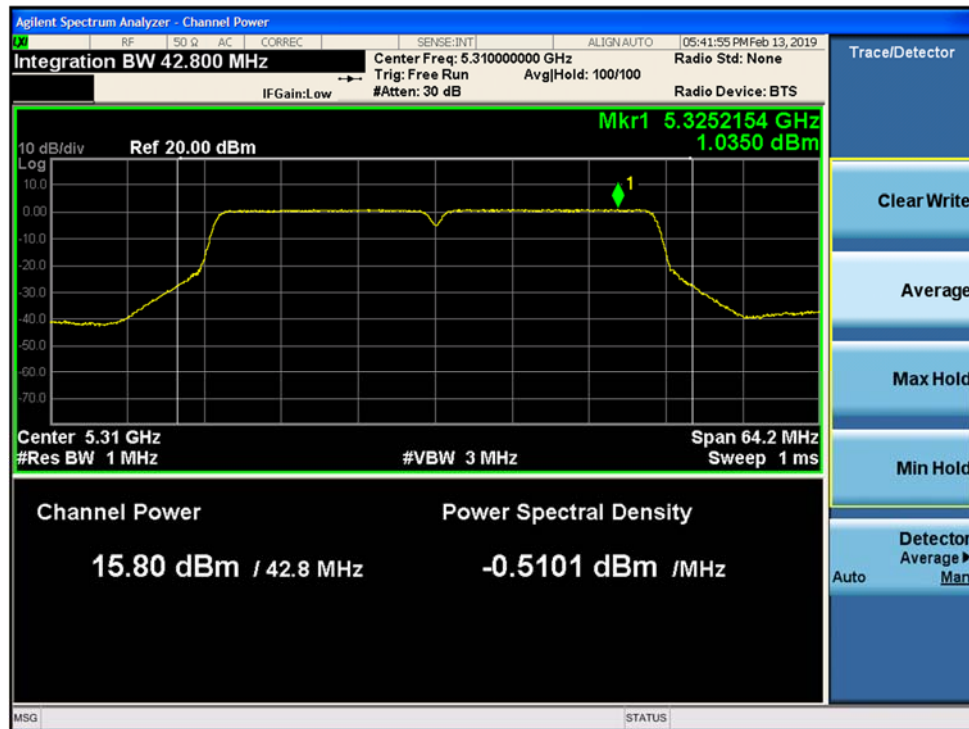


Figure 9-223. Maximum Conducted Output Power and PSD SISO Chain B 802.11n HT20 (Ch. 62)

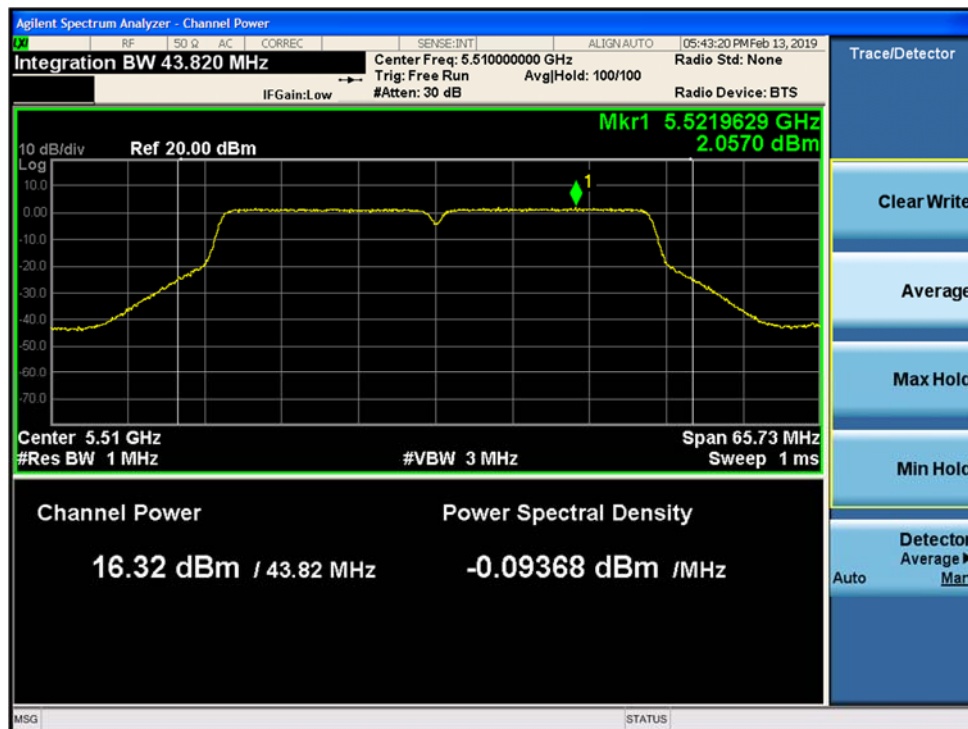


Figure 9-224. Maximum Conducted Output Power and PSD SISO Chain B 802.11n HT20 (Ch. 102)

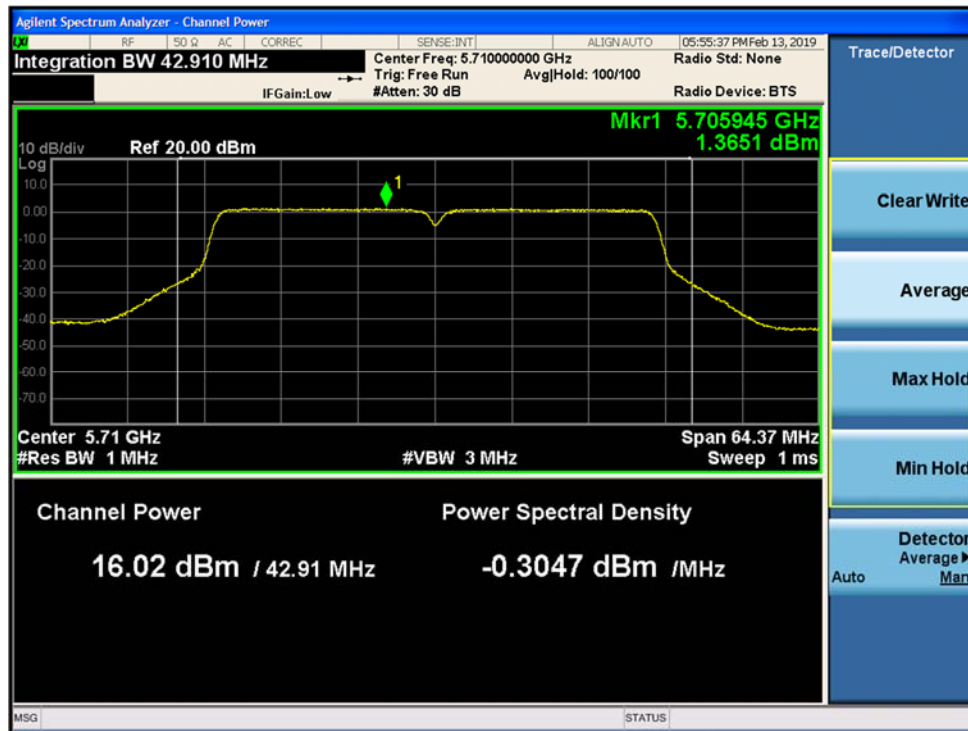


Figure 9-225. Maximum Conducted Output Power and PSD SISO Chain B 802.11n HT20 (Ch. 142)

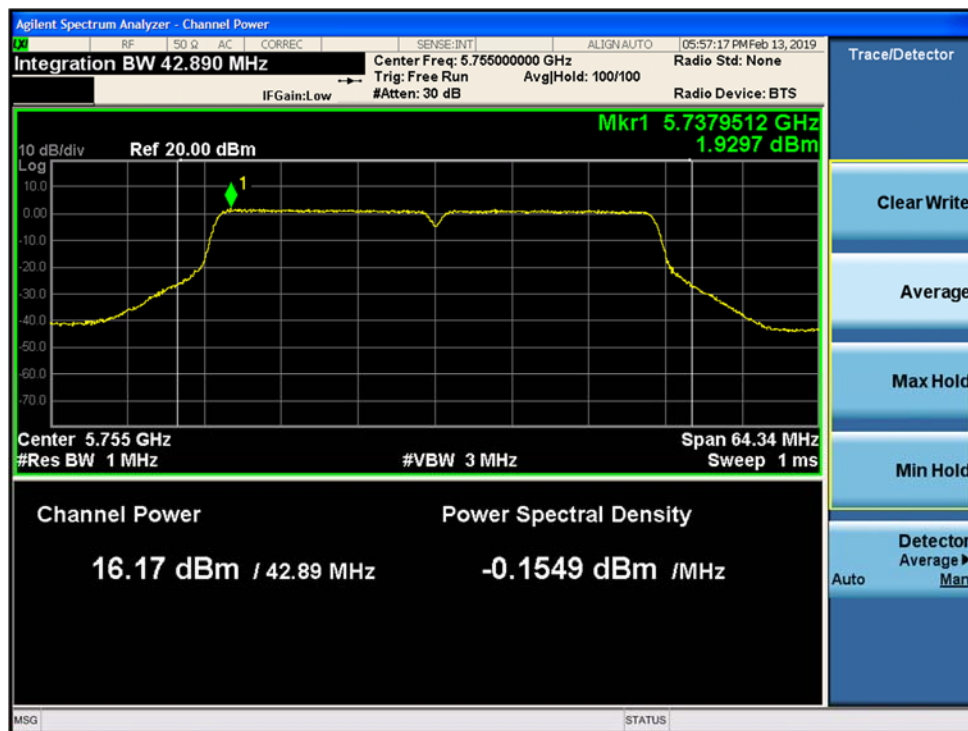


Figure 9-226. Maximum Conducted Output Power and PSD SISO Chain B 802.11n HT20 (Ch. 151)

9.5.5.17 Chain A+B 802.11n HT40 Maximum Conducted Output Power

Chain A+B 802.11n HT40 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	11.56	11.94	15.10	24.00	--	-8.90	--
46	5230	12.63	12.48	15.90	24.00	--	-8.10	--
54	5270	15.34	15.58	18.81	24.00	24.00	-5.19	-5.19
62	5310	14.42	14.49	17.80	24.00	24.00	-6.20	-6.20
102	5510	15.51	16.3	19.27	24.00	24.00	-4.73	-4.73
110	5550	16.03	16.05	19.39	24.00	24.00	-4.61	-4.61
134	5670	15.68	15.82	19.10	24.00	24.00	-4.90	-4.90
142	5710	15.55	15.86	19.05	24.00	24.00	-4.95	-4.95
151	5755	15.84	15.95	19.24	30.00	30.00	-10.76	-10.76
159	5795	15.67	15.93	19.15	30.00	30.00	-10.85	-10.85

Chain A+B 802.11n HT40 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
38	5190	11.94	4.70	4.20	23.00	-3.44
46	5230	12.48	4.70	4.20	23.00	-2.64
54	5270	15.58	5.00	4.70	30.00	-6.34
62	5310	14.49	5.00	4.70	30.00	-7.35
102	5510	16.3	4.90	4.50	30.00	-6.03
110	5550	16.05	4.90	4.50	30.00	-5.91
134	5670	15.82	4.90	4.50	30.00	-6.20
142	5710	15.86	4.90	4.50	30.00	-6.24
151	5755	15.95	4.30	3.60	--	--
159	5795	15.93	4.30	3.60	--	--

9.5.5.18 Chain A+B 802.11n HT40 Maximum Power Spectral Density

UNII-1 Chain A+B 802.11n HT40 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD ($\frac{dBm}{MHz}$)	Total Ant. Gain (dBi)	Total EIRP PSD ($\frac{dBm}{MHz}$)	15.407 Limit ($\frac{dBm}{MHz}$)	RSS-247 EIRP PSD Limit ($\frac{dBm}{MHz}$)	15.407 Margin (dB)	RSS-247 Margin (dB)
38	5190	-3.12	-2.55	0.52	4.46	4.98	11.00	10.00	-10.48	-5.02
46	5230	-1.99	-1.87	1.42	4.46	5.87	11.00	10.00	-9.58	-4.13

UNII-2A and UNII-2C Chain A+B 802.11n HT40 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD ($\frac{dBm}{MHz}$)	15.407 Limit ($\frac{dBm}{MHz}$)	RSS-247 Limit ($\frac{dBm}{MHz}$)	15.407 Margin (dB)	RSS-247 Margin (dB)
54	5270	0.82	1.18	4.35	11.00	11.00	-6.65	-6.65
62	5310	-0.25	0.03	3.24	11.00	11.00	-7.76	-7.76
102	5510	1.07	1.97	4.89	11.00	11.00	-6.11	-6.11
110	5550	1.44	1.69	4.91	11.00	11.00	-6.09	-6.09
134	5670	1.03	1.47	4.60	11.00	11.00	-6.40	-6.40
142	5710	1.04	1.31	4.52	11.00	11.00	-6.48	-6.48

UNII-3 Chain A+B 802.11n HT40 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD ($\frac{dBm}{500 kHz}$)	15.407 Limit ($\frac{dBm}{500 kHz}$)	RSS-247 Limit ($\frac{dBm}{500 kHz}$)	15.407 Margin (dB)	RSS-247 Margin (dB)
151	5755	-0.44	-0.12	3.07	30.00	30.00	-26.93	-26.93
159	5795	-0.46	-0.16	3.04	30.00	30.00	-26.96	-26.96
142	5710	-1.35	-1.24	2.06	30.00	30.00	-8.94	-8.94

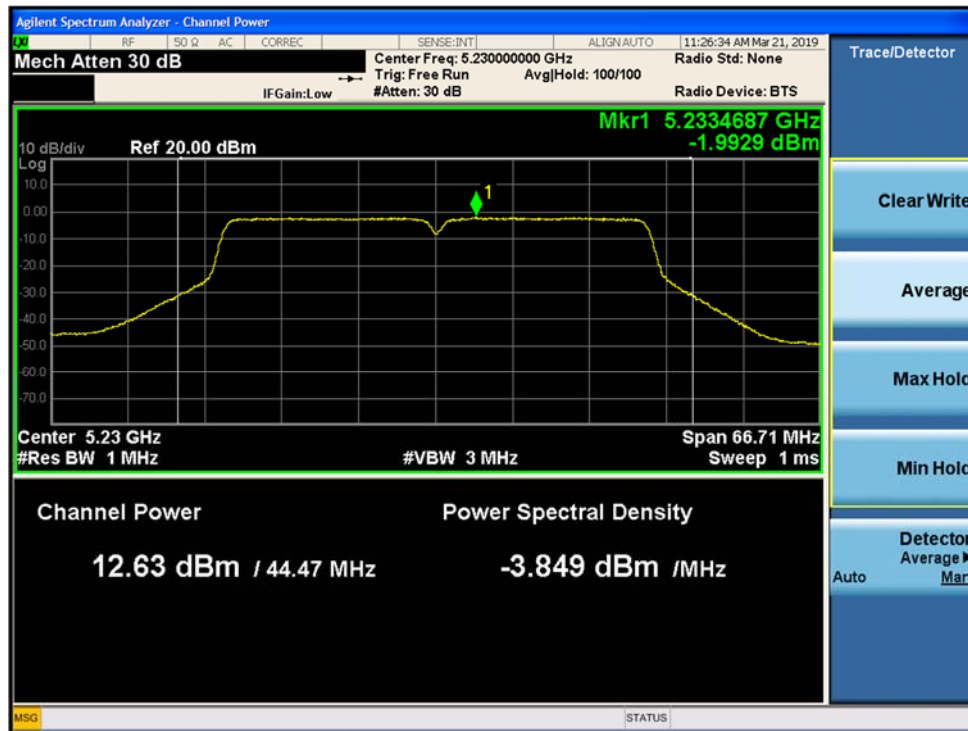


Figure 9-227. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 46)

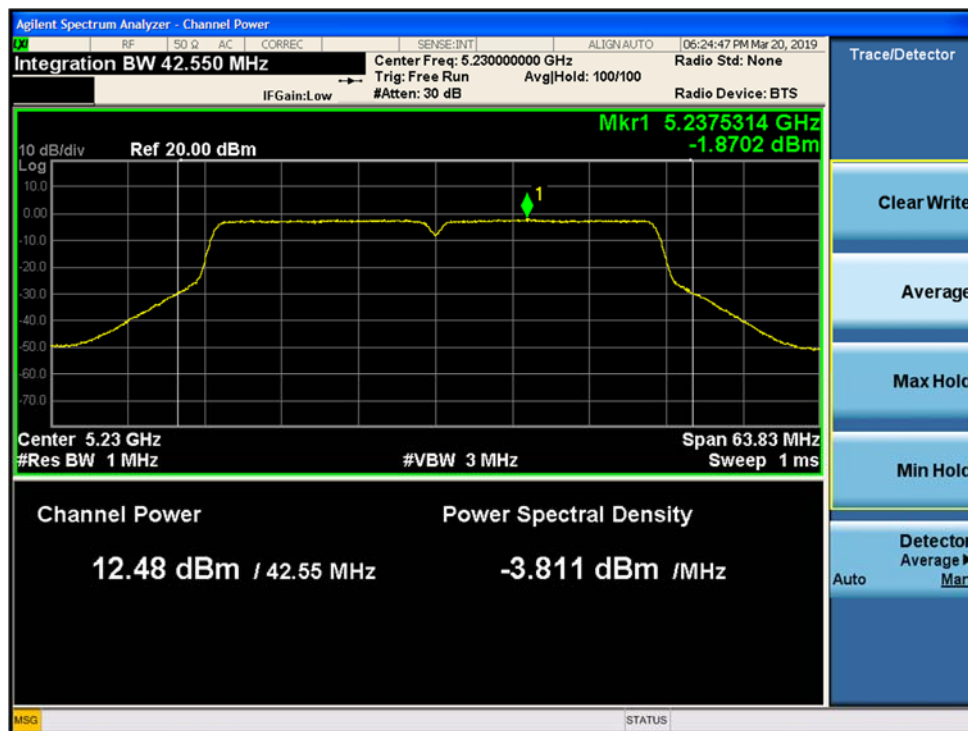


Figure 9-228. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 46)

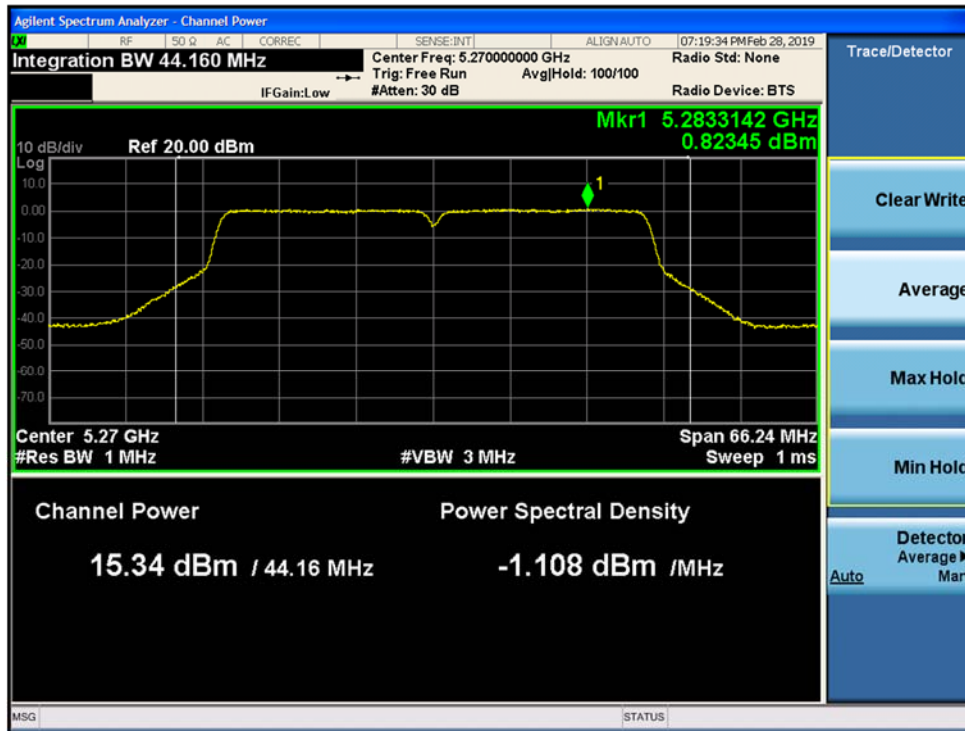


Figure 9-229. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 54)

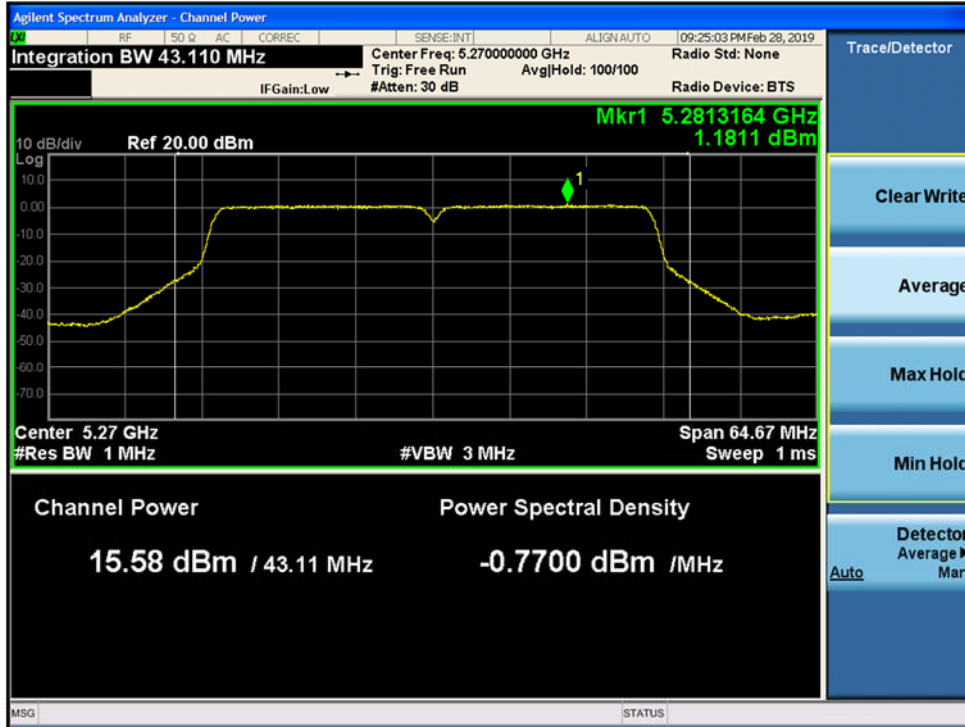


Figure 9-230. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 54)

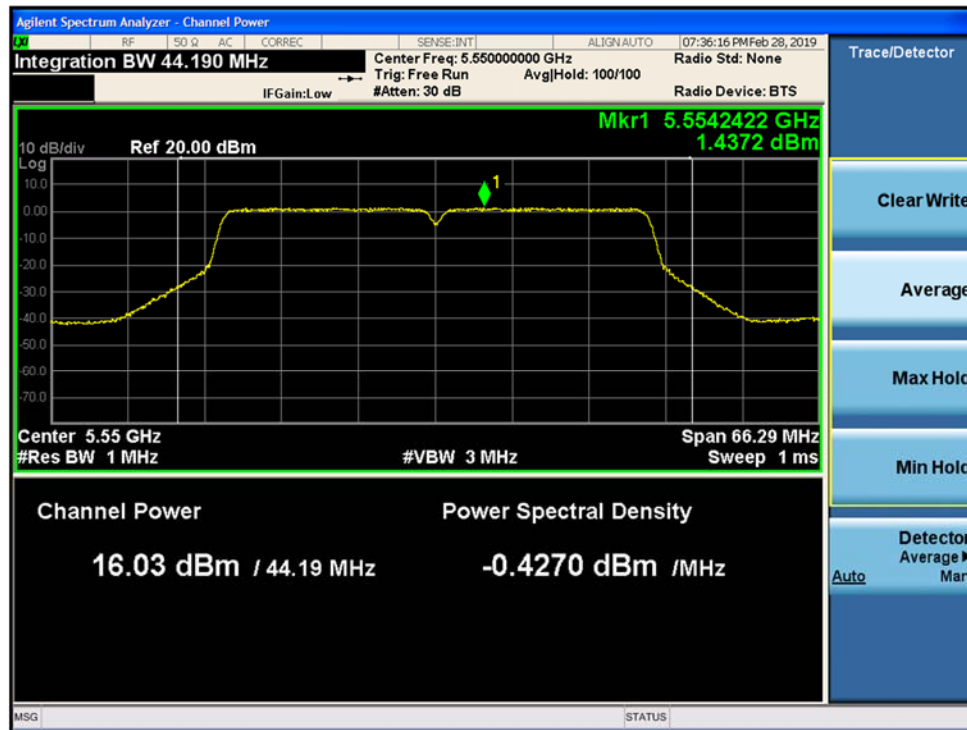


Figure 9-231. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 110)

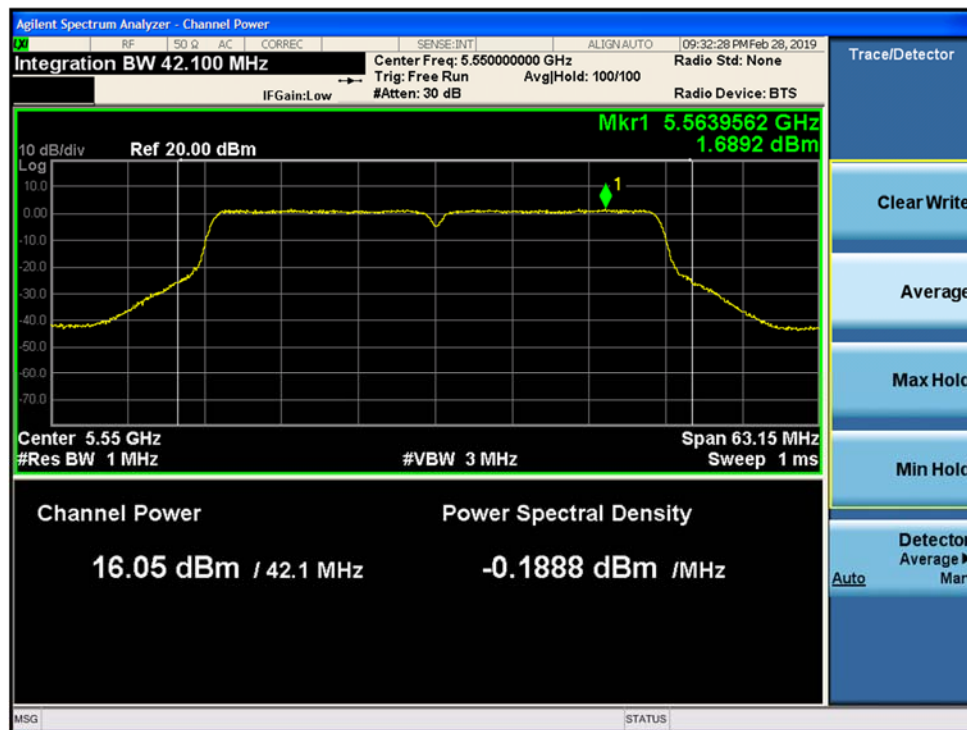


Figure 9-232. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 110)

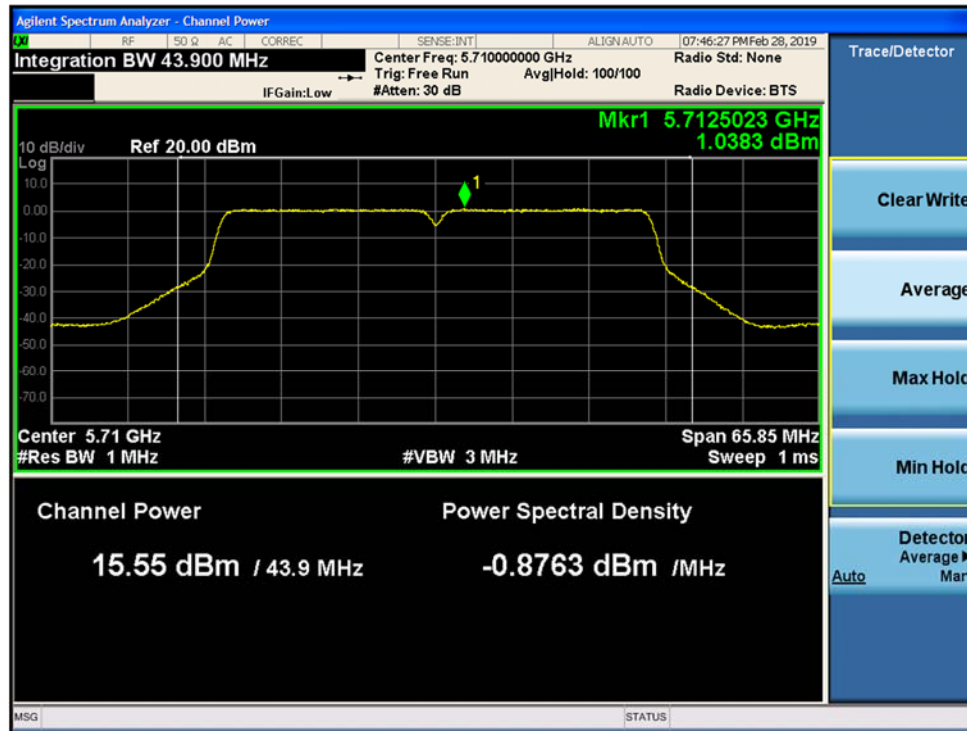


Figure 9-233. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 142)

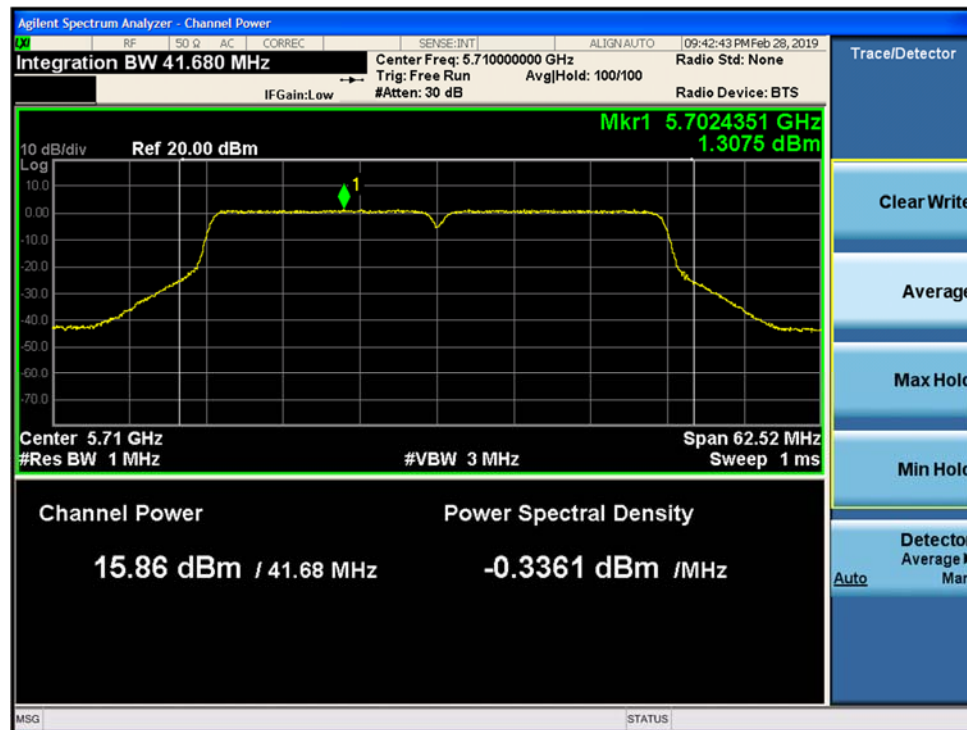


Figure 9-234. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 142)

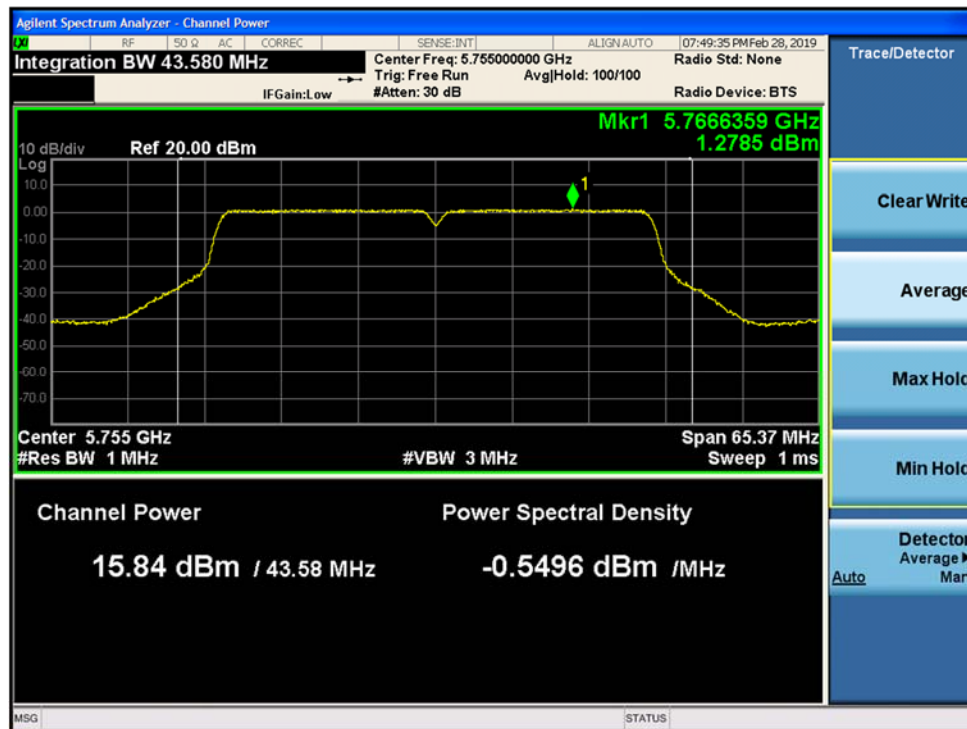


Figure 9-235. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 151)

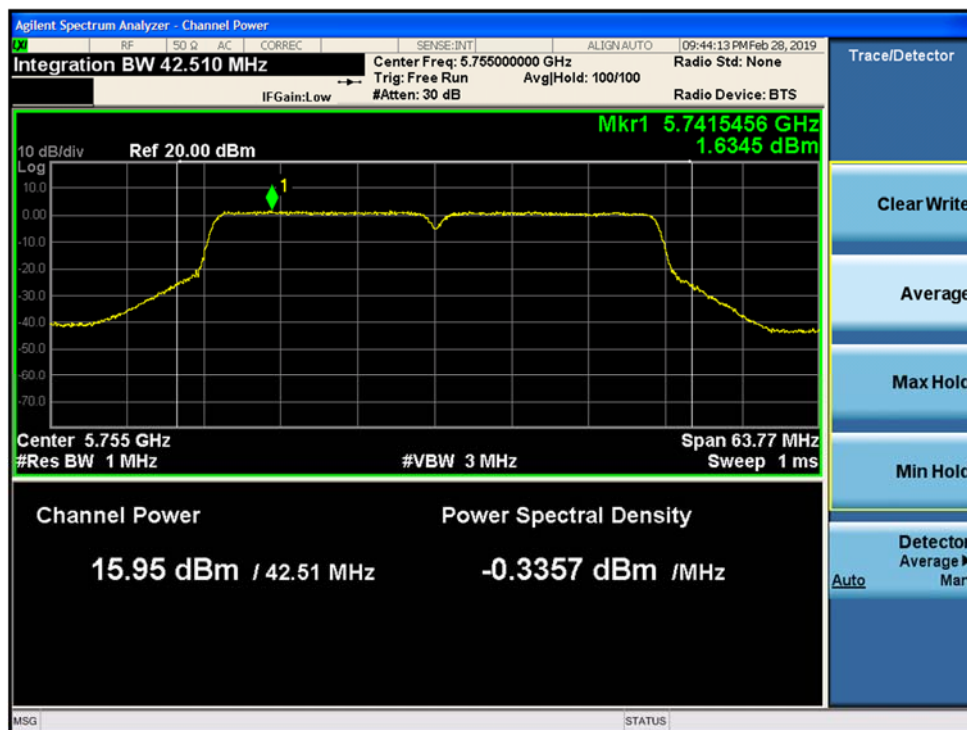


Figure 9-236. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 151)

9.5.5.19 SISO A 802.11ac VHT20 Maximum Conducted Output Power

SISO Chain A 802.11ac VHT20 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	14.92	--	15.00	24.00	--	-9.00	--
44	5220	14.88	--	14.96	24.00	--	-9.04	--
48	5240	14.79	--	14.87	24.00	--	-9.13	--
52	5260	15.43	--	15.51	24.00	23.52	-8.49	-8.03
60	5300	15.51	--	15.59	24.00	23.53	-8.41	-7.94
64	5320	15.52	--	15.60	24.00	23.52	-8.40	-7.93
100	5500	15.53	--	15.61	24.00	23.53	-8.39	-7.92
116	5580	16.11	--	16.19	24.00	23.53	-7.81	-7.35
140	5700	15.74	--	15.82	24.00	23.52	-8.18	-7.72
144	5720	15.89	--	15.97	23.33	22.44	-7.37	-6.49
149	5745	15.95	--	16.03	30.00	30.00	-13.97	-13.97
157	5785	15.99	--	16.07	30.00	30.00	-13.93	-13.93
165	5825	15.74	--	15.82	30.00	30.00	-14.18	-14.18

SISO Chain A 802.11ac VHT20 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
36	5180	15.00	4.70	19.70	22.54	-2.84
44	5220	14.96	4.70	19.66	22.54	-2.88
48	5240	14.87	4.70	19.57	22.54	-2.97
52	5260	15.51	5.00	20.51	29.54	-9.03
60	5300	15.59	5.00	20.59	29.54	-8.95
64	5320	15.60	5.00	20.60	29.53	-8.93
100	5500	15.61	4.90	20.51	29.53	-9.02
116	5580	16.19	4.90	21.09	29.53	-8.44
140	5700	15.82	4.90	20.72	29.54	-8.82
144	5720	15.97	4.90	20.87	29.54	-8.67
149	5745	16.03	4.30	20.33	--	--
157	5785	16.07	4.30	20.37	--	--
165	5825	15.82	4.30	20.12	--	--

9.5.5.20 SISO A Chain A 802.11ac VHT20 Maximum Spectral Density

UNII-1 Chain A 802.11ac VHT20 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	Total Ant. Gain (dBi)	Total EIRP PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 EIRP PSD Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	3.43	--	3.51	4.70	8.21	11.00	10.00	-7.49	-1.79
44	5220	3.36	--	3.44	4.70	8.14	11.00	10.00	-7.56	-1.86
48	5240	3.17	--	3.25	4.70	7.95	11.00	10.00	-7.75	-2.05

UNII-2A and UNII-2C Chain A 802.11ac VHT20 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
52	5260	3.73	--	3.81	11.00	11.00	-7.19	-7.19
60	5300	4.29	--	4.37	11.00	11.00	-6.63	-6.63
64	5320	4.21	--	4.29	11.00	11.00	-6.71	-6.71
100	5500	4.06	--	4.15	11.00	11.00	-6.85	-6.85
116	5580	4.67	--	4.75	11.00	11.00	-6.25	-6.25
140	5700	4.06	--	4.14	11.00	11.00	-6.86	-6.86
144	5720	4.37	--	4.45	11.00	11.00	-6.55	-6.55

UNII-3 Chain A 802.11ac VHT20 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{500 kHz}\right)$	15.407 Limit $\left(\frac{dBm}{500 kHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{500 kHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
149	5745	2.80	--	2.88	30.00	30.00	-27.12	-27.12
157	5785	2.77	--	2.85	30.00	30.00	-27.15	-27.15
165	5825	3.03	--	3.11	30.00	30.00	-26.89	-26.89
144	5720	1.91	--	1.99	30.00	30.00	-9.01	-9.01

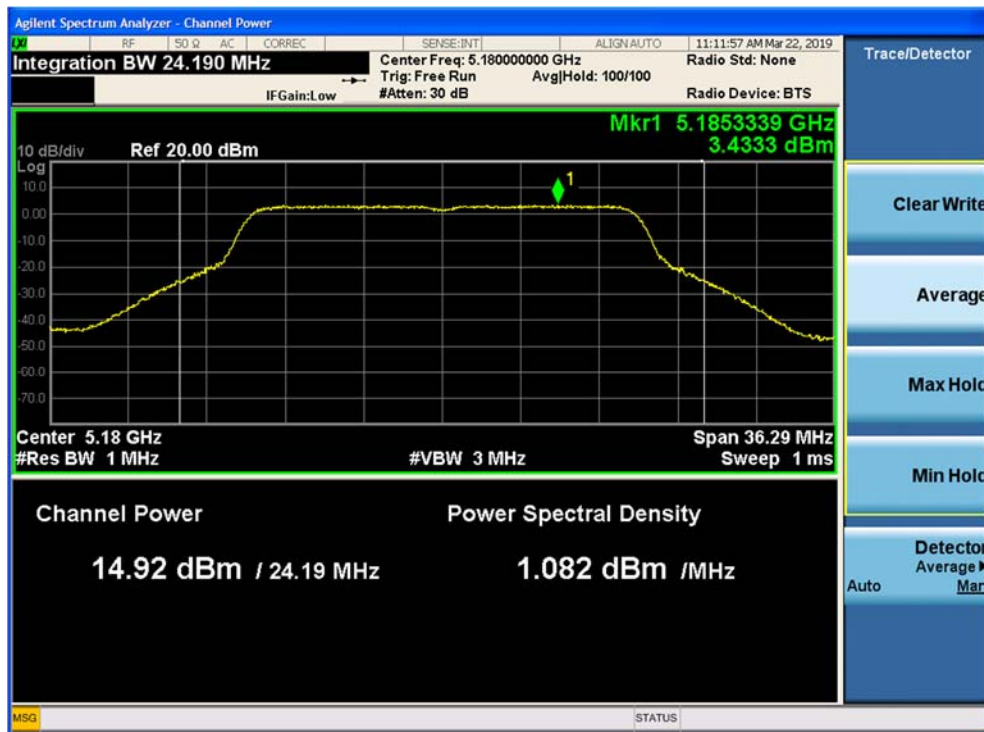


Figure 9-237. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 36)

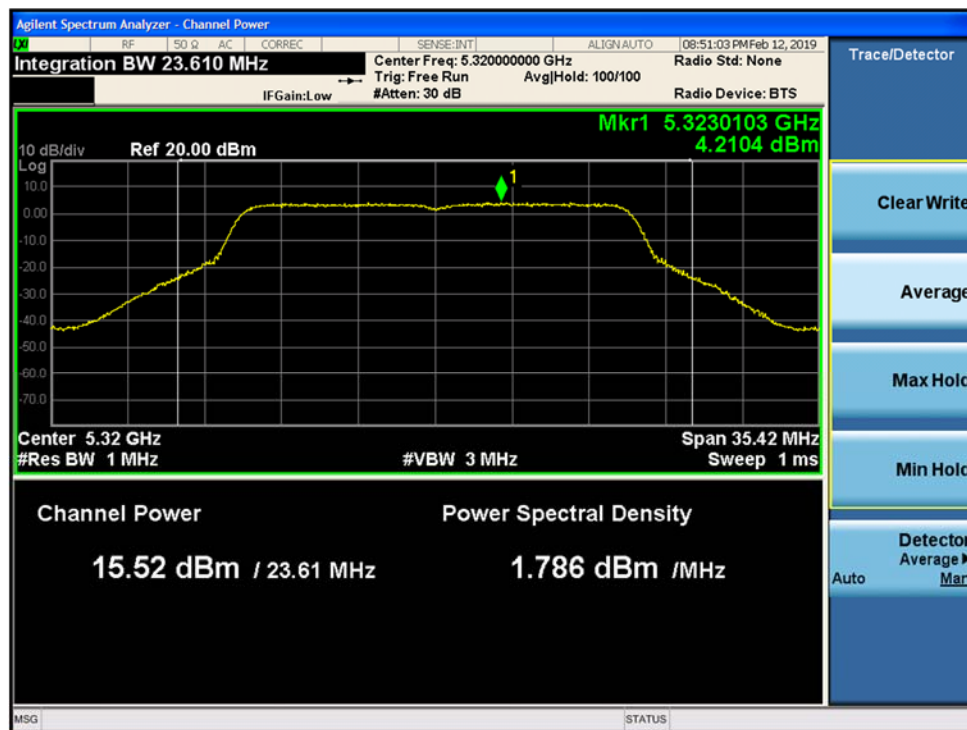


Figure 9-238. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 64)

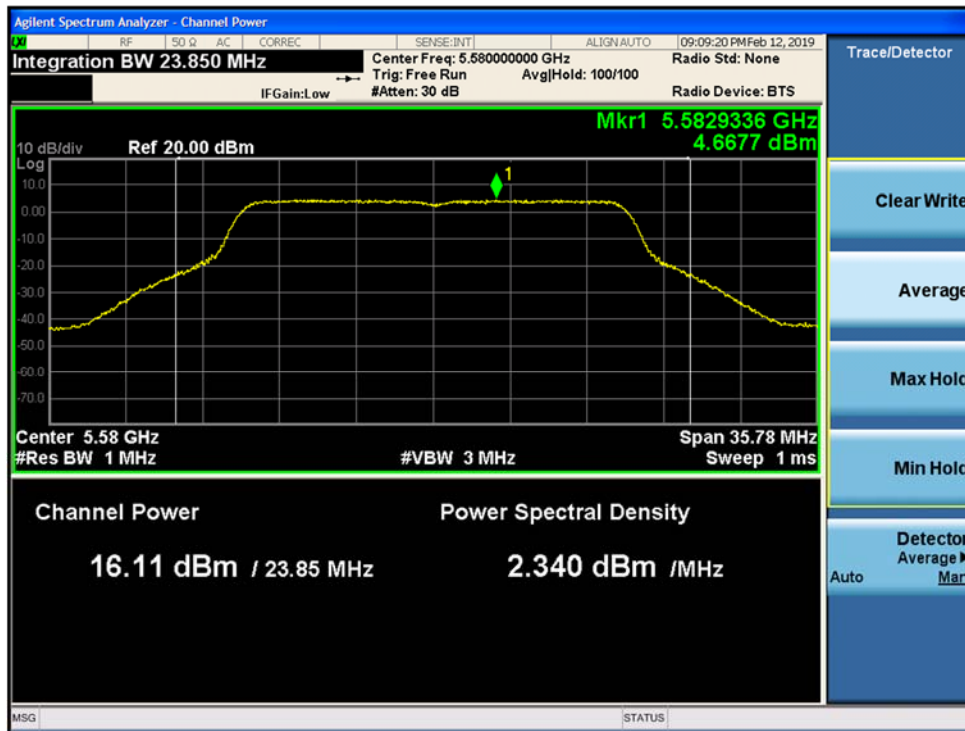


Figure 9-239. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 116)

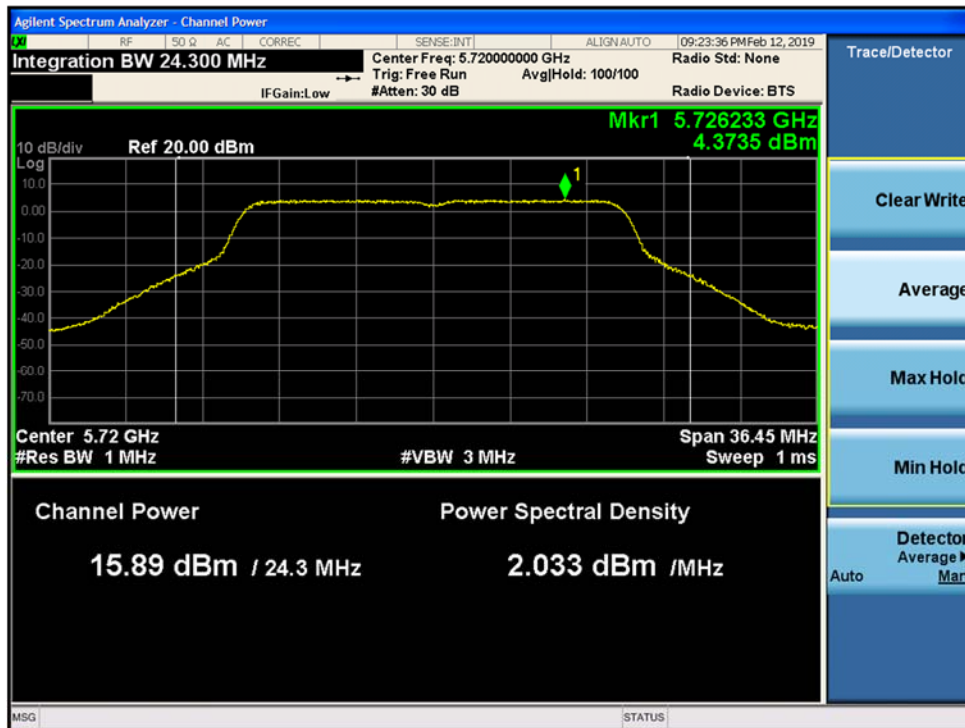


Figure 9-240. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 144)

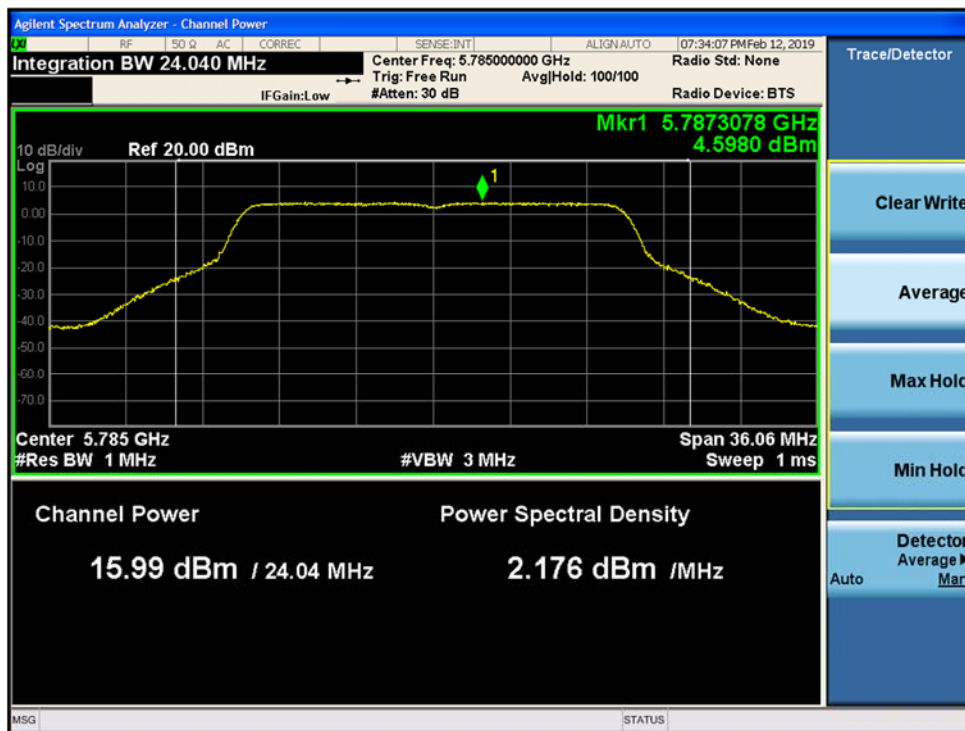


Figure 9-241. Maximum Conducted Output Power and PSD MIMO Chain A 802.11n HT40 (Ch. 157)

9.5.5.21 SISO B 802.11ac VHT20 Maximum Conducted Output Power

SISO Chain B 802.11ac VHT20 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	--	15.06	15.14	24.00	--	-8.86	--
44	5220	--	14.89	14.97	24.00	--	-9.03	--
48	5240	--	14.94	15.02	24.00	--	-8.98	--
52	5260	--	15.56	15.64	24.00	23.54	-8.36	-7.90
60	5300	--	15.74	15.82	24.00	23.51	-8.18	-7.69
64	5320	--	15.72	15.80	24.00	23.52	-8.20	-7.72
100	5500	--	16.28	16.36	24.00	23.52	-7.64	-7.16
116	5580	--	16.11	16.19	24.00	23.51	-7.81	-7.32
140	5700	--	15.97	16.05	24.00	23.52	-7.95	-7.47
144	5720	--	15.96	16.04	23.30	22.44	-7.26	-6.40
149	5745	--	16.21	16.29	30.00	30.00	-13.71	-13.71
157	5785	--	16.13	16.21	30.00	30.00	-13.79	-13.79
165	5825	--	15.98	16.06	30.00	30.00	-13.94	-13.94

SISO Chain B 802.11ac VHT20 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
36	5180	15.14	4.20	19.34	22.54	-3.20
44	5220	14.97	4.20	19.17	22.54	-3.37
48	5240	15.02	4.20	19.22	22.55	-3.33
52	5260	15.64	4.70	20.34	29.54	-9.20
60	5300	15.82	4.70	20.52	29.54	-9.02
64	5320	15.80	4.70	20.50	29.51	-9.01
100	5500	16.36	4.50	20.86	29.52	-8.66
116	5580	16.19	4.50	20.69	29.52	-8.83
140	5700	16.05	4.50	20.55	29.51	-8.96
144	5720	16.04	4.50	20.54	29.52	-8.98
149	5745	16.29	3.60	19.89	--	--
157	5785	16.21	3.60	19.81	--	--
165	5825	16.06	3.60	19.66	--	--

9.5.5.22 SISO B Chain B 802.11ac VHT20 Maximum Spectral Density

UNII-1 Chain B 802.11ac VHT20 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	Total Ant. Gain (dBi)	Total EIRP PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 EIRP PSD Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	--	3.59	3.67	4.20	7.87	11.00	10.00	-7.33	-2.13
44	5220	--	3.51	3.59	4.20	7.79	11.00	10.00	-7.41	-2.21
48	5240	--	3.49	3.57	4.20	7.77	11.00	10.00	-7.43	-2.23

UNII-2A and UNII-2C Chain B 802.11ac VHT20 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $(\frac{dBm}{MHz})$	15.407 Limit $(\frac{dBm}{MHz})$	RSS-247 Limit $(\frac{dBm}{MHz})$	15.407 Margin (dB)	RSS-247 Margin (dB)
52	5260	--	4.13	4.21	11.00	11.00	-6.79	-6.79
60	5300	--	4.38	4.46	11.00	11.00	-6.54	-6.54
64	5320	--	4.19	4.27	11.00	11.00	-6.73	-6.73
100	5500	--	5.04	5.12	11.00	11.00	-5.88	-5.88
116	5580	--	4.72	4.80	11.00	11.00	-6.20	-6.20
140	5700	--	4.53	4.61	11.00	11.00	-6.39	-6.39
144	5720	--	4.44	4.52	11.00	11.00	-6.48	-6.48

UNII-3 Chain B 802.11ac VHT20 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\frac{dBm}{(500\text{ kHz})}$	15.407 Limit $\frac{dBm}{(500\text{ kHz})}$	RSS-247 Limit $\frac{dBm}{(500\text{ kHz})}$	15.407 Margin (dB)	RSS-247 Margin (dB)
149	5745	--	3.66	3.74	30.00	30.00	-26.26	-26.26
157	5785	--	2.89	2.97	30.00	30.00	-27.03	-27.03
165	5825	--	3.44	3.52	30.00	30.00	-26.48	-26.48
144	5720	--	2.47	2.55	30.00	30.00	-8.45	-8.45

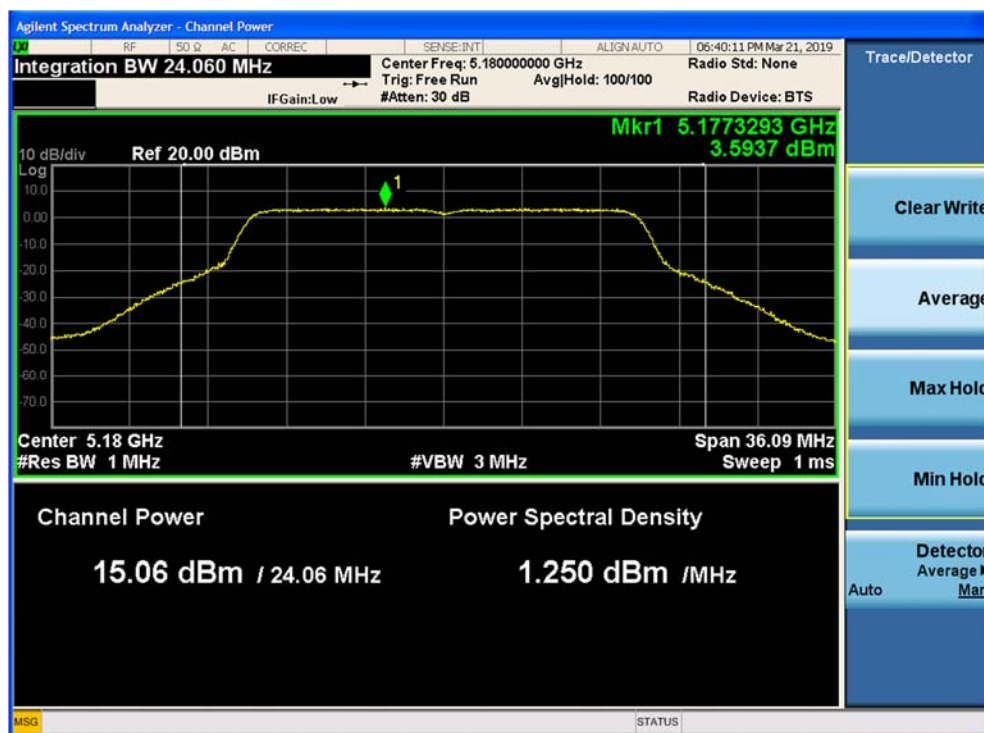


Figure 9-242. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 36)

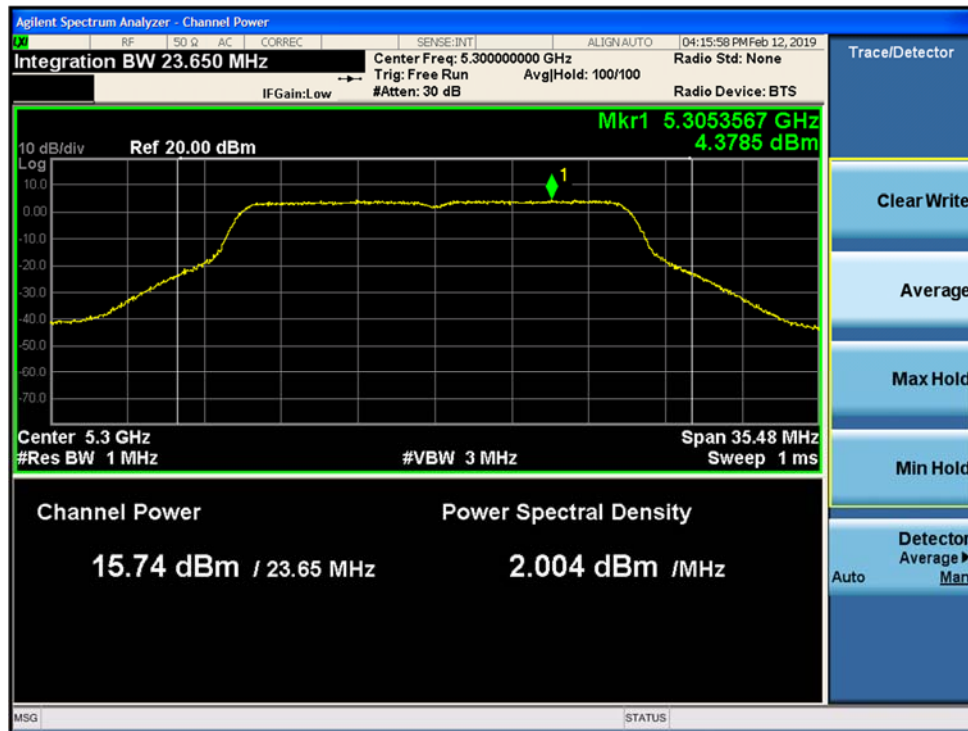


Figure 9-243. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 60)

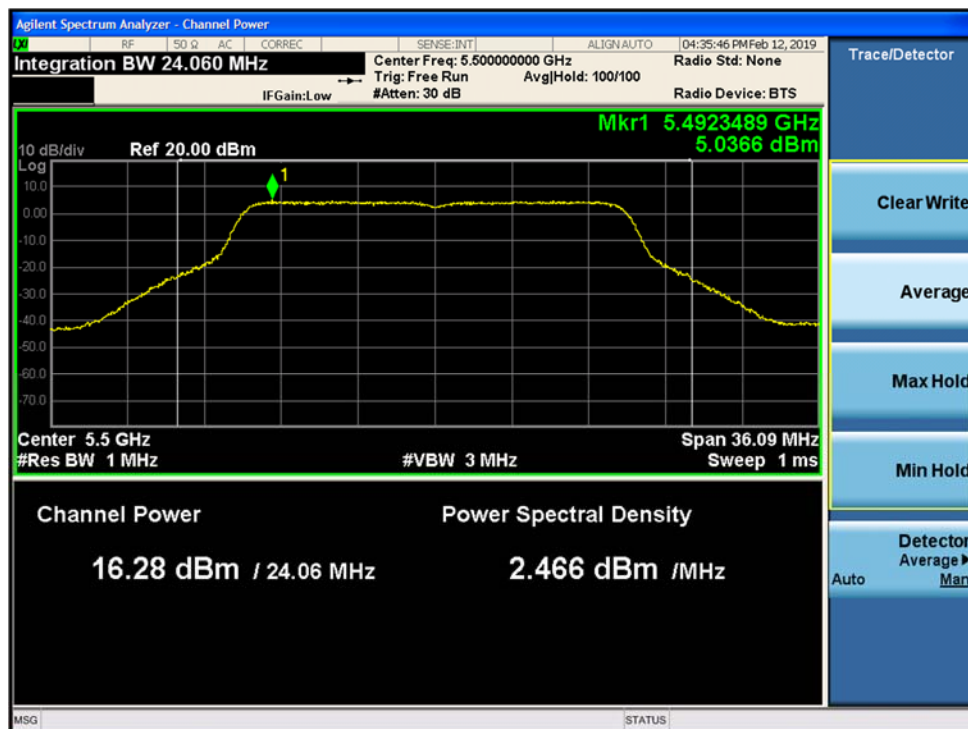


Figure 9-244. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 100)

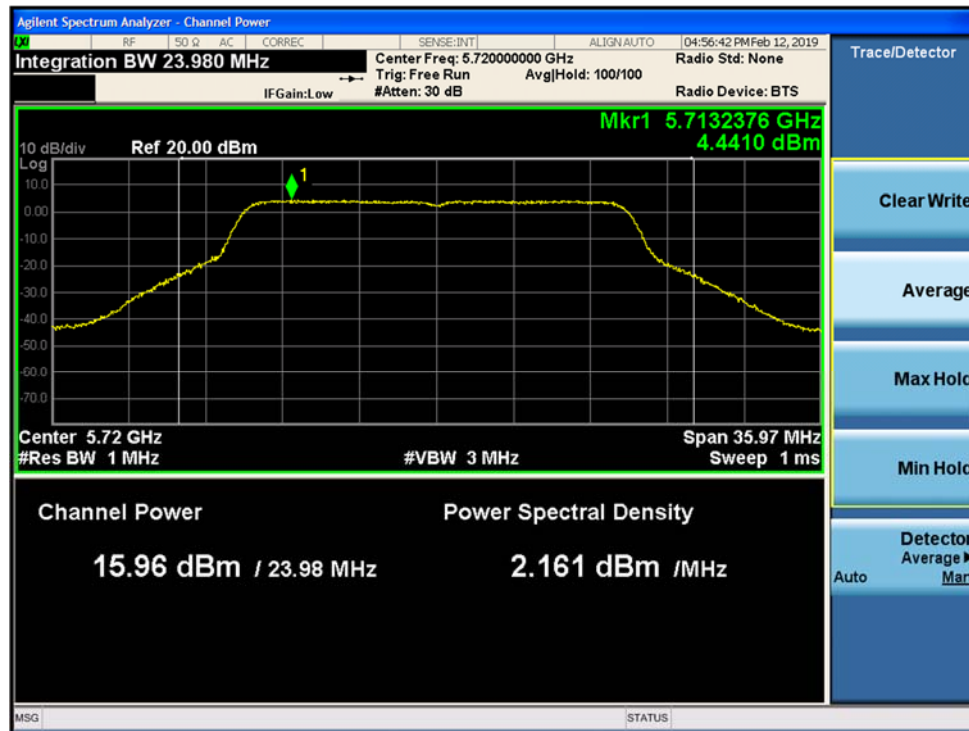


Figure 9-245. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 144)

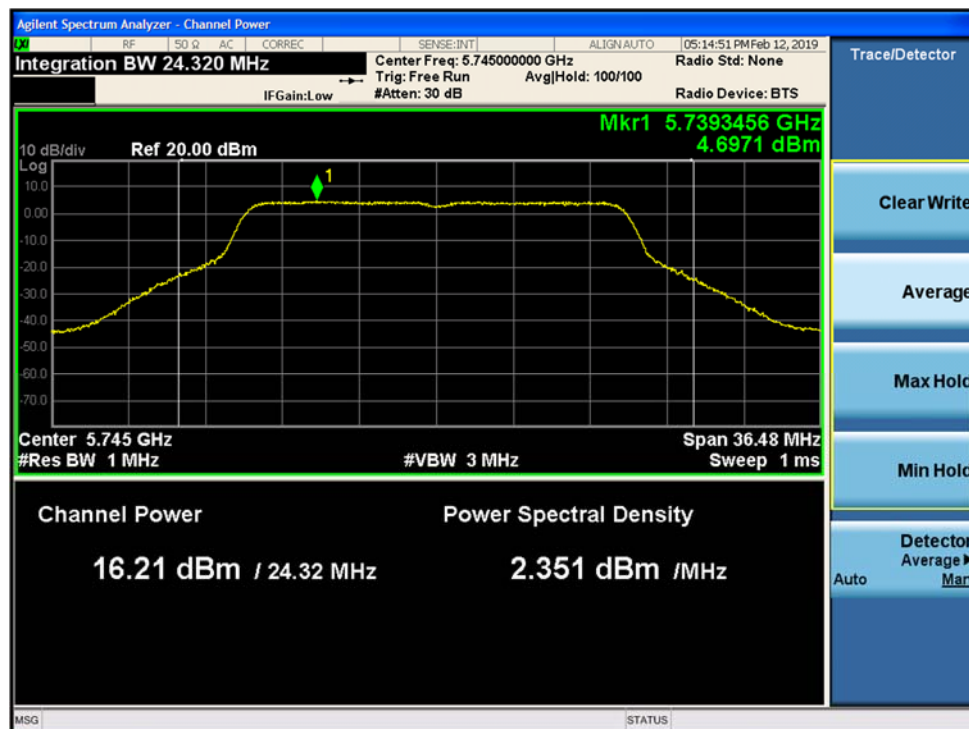


Figure 9-246. Maximum Conducted Output Power and PSD MIMO Chain B 802.11n HT40 (Ch. 149)

9.5.5.23 Chain A+B 802.11ac VHT20 Maximum Conducted Output Power

Chain A+B 802.11ac VHT20 Maximum Conducted Output Power								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total Power (dBm)	15.407 Limit (dBm)	RSS-247 Limit (dBm)	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	8.65	8.76	11.91	24.00	--	-12.09	--
44	5220	8.63	8.56	11.80	24.00	--	-12.20	--
48	5240	8.84	8.7	11.97	24.00	--	-12.03	--
52	5260	15.63	15.57	18.80	24.00	23.52	-5.20	-4.72
60	5300	15.81	15.88	19.05	24.00	23.53	-4.95	-4.48
64	5320	15.89	15.88	19.09	24.00	23.52	-4.91	-4.44
100	5500	15.77	16.25	19.22	24.00	23.53	-4.78	-4.31
116	5580	16.45	16.25	19.55	24.00	23.53	-4.45	-3.97
140	5700	15.84	15.88	19.06	24.00	23.52	-4.94	-4.46
144	5720	15.9	16.02	19.16	23.33	22.44	-4.17	-3.28
149	5745	16.03	15.95	19.19	30.00	30.00	-10.81	-10.81
157	5785	16.15	16.05	19.30	30.00	30.00	-10.70	-10.70
165	5825	16.2	16.21	19.41	30.00	30.00	-10.59	-10.59

Chain A+B 802.11ac VHT20 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
36	5180	11.91	4.46	16.36	22.52	-6.16
44	5220	11.80	4.46	16.25	22.53	-6.28
48	5240	11.97	4.46	16.43	22.53	-6.10
52	5260	18.80	4.85	23.65	29.52	-5.87
60	5300	19.05	4.85	23.90	29.52	-5.62
64	5320	19.09	4.85	23.94	29.53	-5.59
100	5500	19.22	4.70	23.92	29.52	-5.60
116	5580	19.55	4.70	24.26	29.53	-5.27
140	5700	19.06	4.70	23.77	29.53	-5.76
144	5720	19.16	4.70	23.87	29.52	-5.65
149	5745	19.19	3.96	23.15	--	--
157	5785	19.30	3.96	23.27	--	--
165	5825	19.41	3.96	23.37	--	--

9.5.5.24 Chain A+B 802.11ac VHT20 Maximum Spectral Density

UNII-1 Chain A+B 802.11ac VHT20 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	Total Ant. Gain (dBi)	Total EIRP PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 EIRP PSD Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	-2.98	-2.80	0.31	4.46	4.77	11.00	10.00	-10.69	-5.23
44	5220	-2.72	-3.00	0.34	4.46	4.80	11.00	10.00	-10.66	-5.20
48	5240	-2.64	-2.71	0.53	4.46	4.99	11.00	10.00	-10.47	-5.01

UNII-2A and UNII-2C Chain A+B 802.11ac VHT20 Maximum Power Spectral Density/MHz								
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
52	5260	3.94	4.14	7.24	11.00	11.00	-3.76	-3.76
60	5300	4.39	4.46	7.62	11.00	11.00	-3.38	-3.38
64	5320	4.44	4.75	7.80	11.00	11.00	-3.20	-3.20
100	5500	1.97	4.89	6.87	11.00	11.00	-4.13	-4.13
116	5580	4.94	4.74	8.04	11.00	11.00	-2.96	-2.96
140	5700	4.23	4.27	7.45	11.00	11.00	-3.55	-3.55
144	5720	4.52	4.68	7.80	11.00	11.00	-3.20	-3.20

UNII-3 Chain A+B 802.11ac VHT20 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{500 kHz}\right)$	15.407 Limit $\left(\frac{dBm}{500 kHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{500 kHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)
149	5745	2.69	2.39	5.75	30.00	30.00	-24.25	-24.25
157	5785	2.60	2.66	5.83	30.00	30.00	-24.17	-24.17
165	5825	2.63	2.96	6.00	30.00	30.00	-24.00	-24.00
144	5720	2.07	3.05	5.79	30.00	30.00	-5.21	-5.21

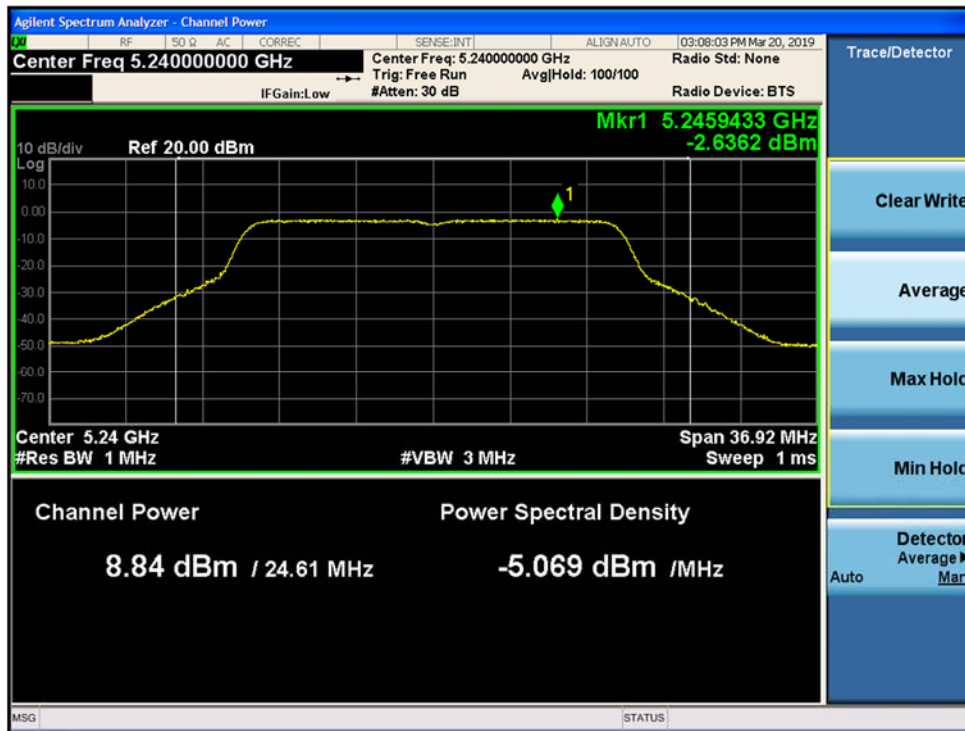


Figure 9-247. Maximum Conducted Output Power and PSD MIMO Chain A 802.11ac VHT20 (Ch. 48)

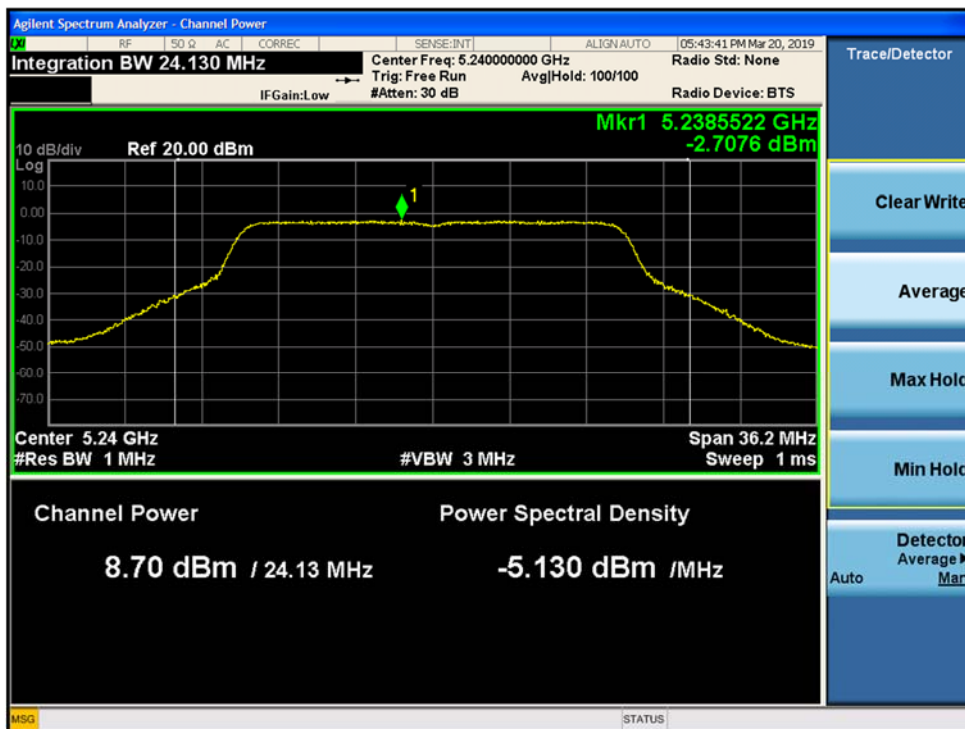


Figure 9-248. Maximum Conducted Output Power and PSD MIMO Chain B 802.11ac VHT20 (Ch. 48)

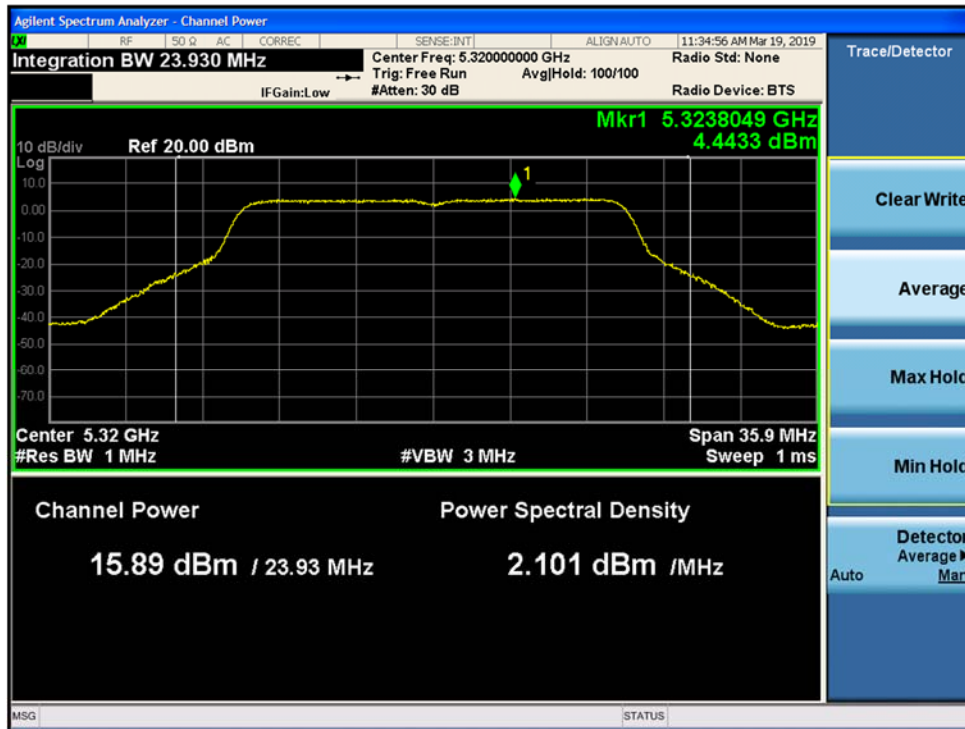


Figure 9-249. Maximum Conducted Output Power and PSD MIMO Chain A 802.11ac VH20 (Ch. 64)

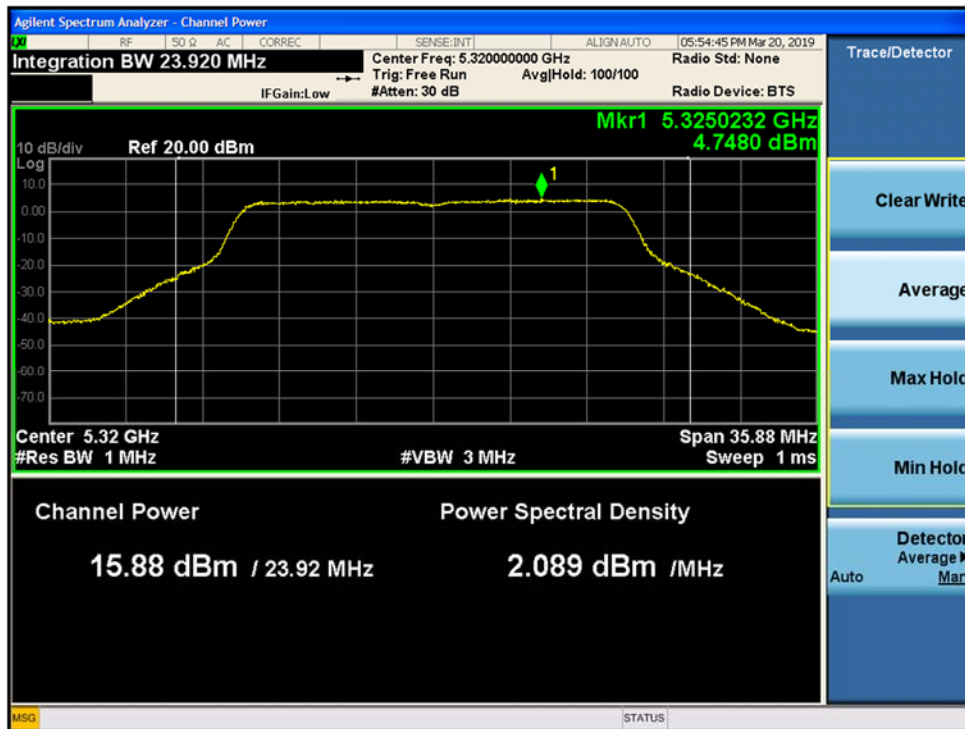


Figure 9-250. Maximum Conducted Output Power and PSD MIMO Chain B 802.11ac VH20 (Ch. 64)

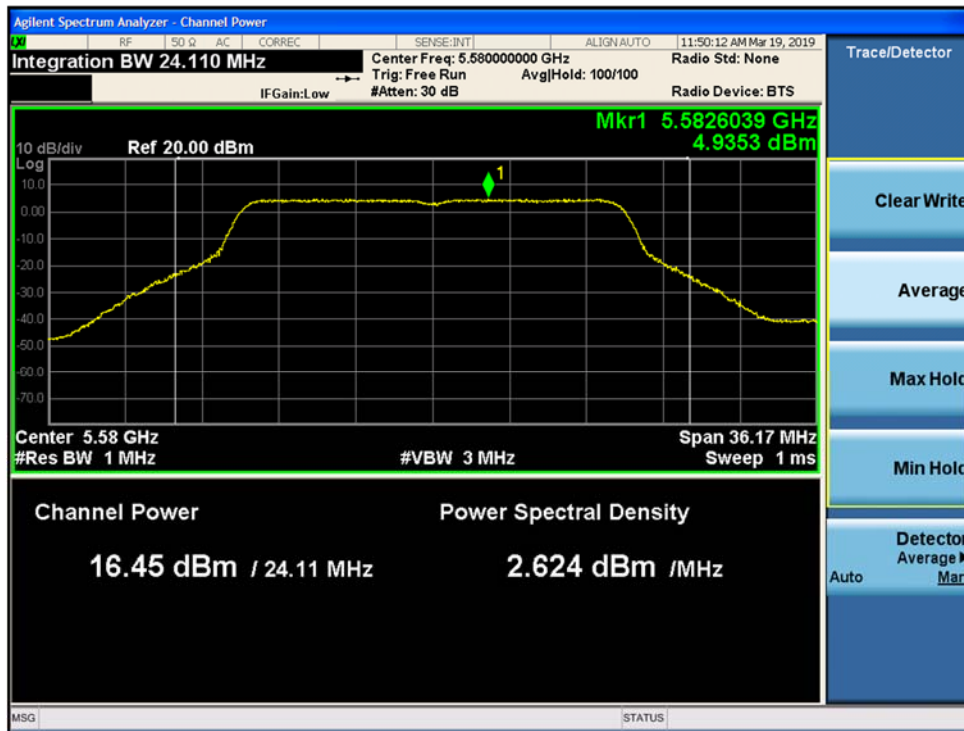


Figure 9-251. Maximum Conducted Output Power and PSD MIMO Chain A 802.11ac VHT20 (Ch. 116)

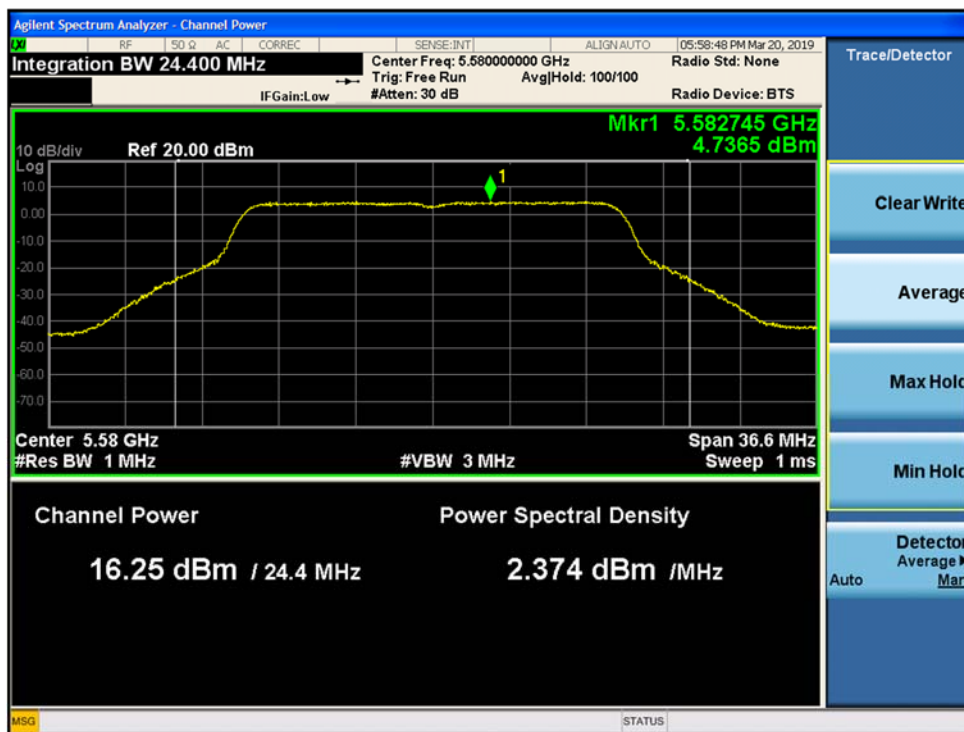


Figure 9-252. Maximum Conducted Output Power and PSD MIMO Chain B 802.11ac VHT20 (Ch. 116)

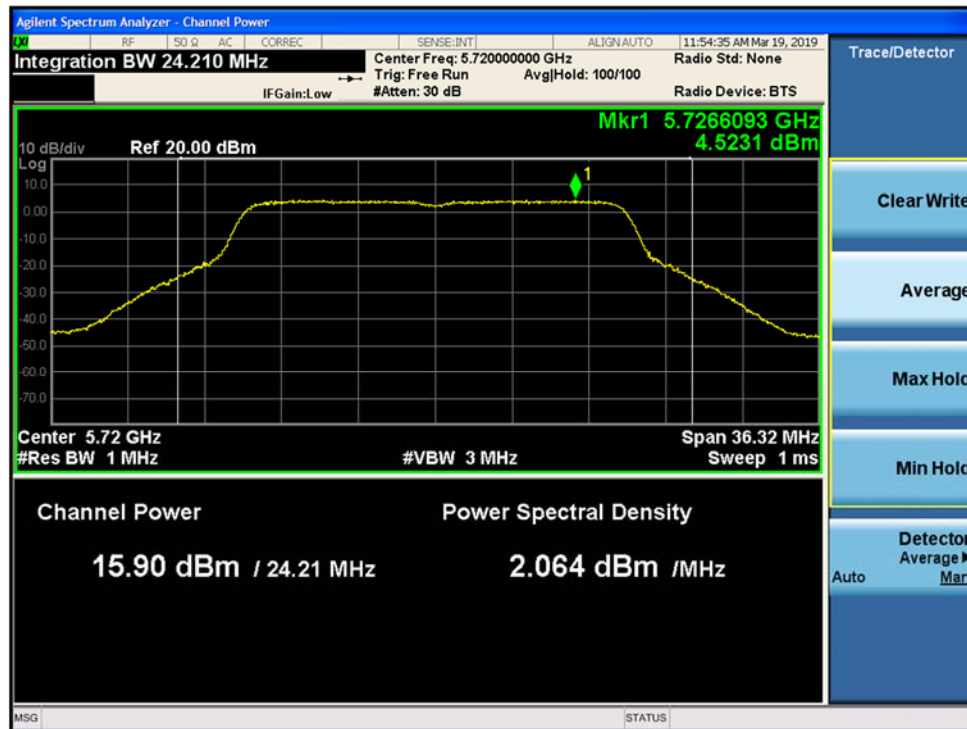


Figure 9-253. Maximum Conducted Output Power and PSD MIMO Chain A 802.11ac VHT20 (Ch. 144)

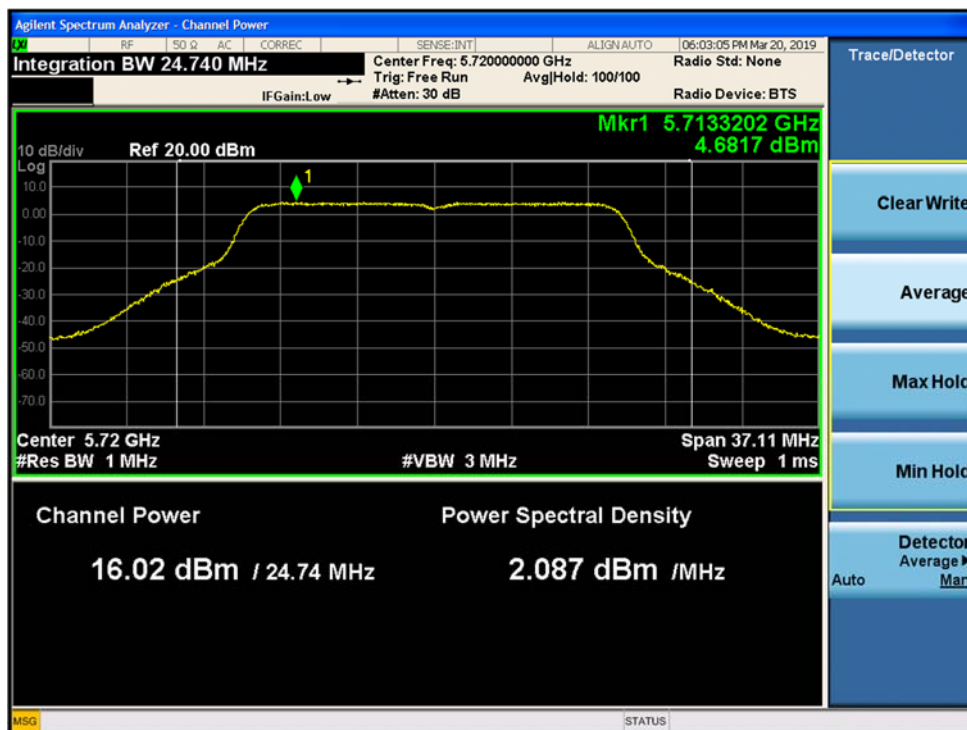


Figure 9-254. Maximum Conducted Output Power and PSD MIMO Chain B 802.11ac VHT20 (Ch. 144)