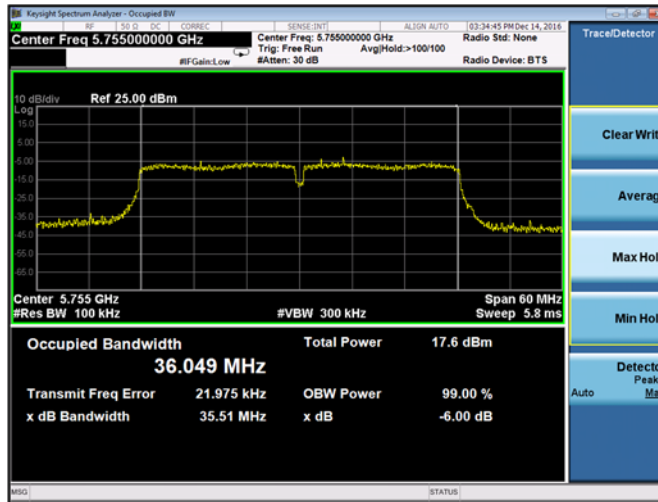
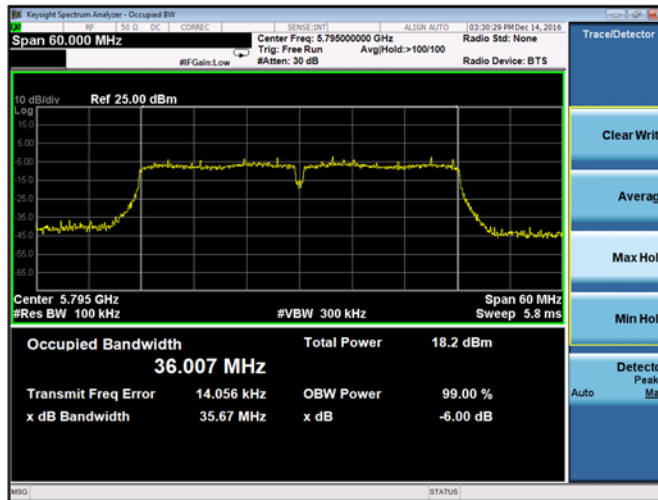


9.3.5.9 Chain A 802.11ac VHT40 6-dB Bandwidth

Chain A 802.11ac VHT40 6-dB Bandwidth		
Channel No.	Frequency (MHz)	6-dB Bandwidth (MHz)
151	5755	35.51
159	5795	35.67



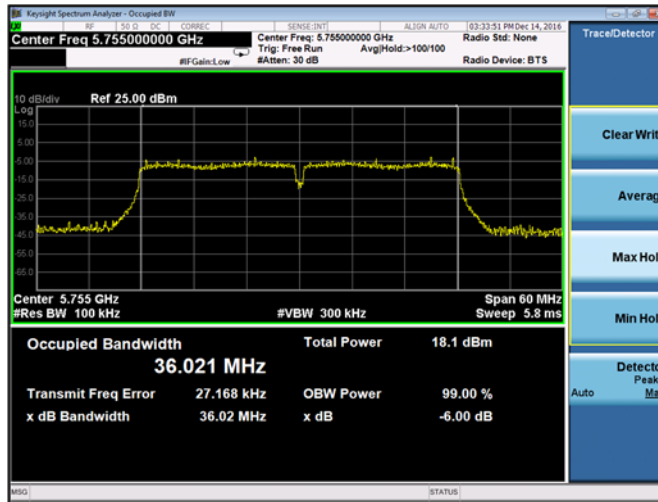
Plot 9-141. 6-dB Bandwidth Chain A 802.11ac VHT40 (Ch. 151)



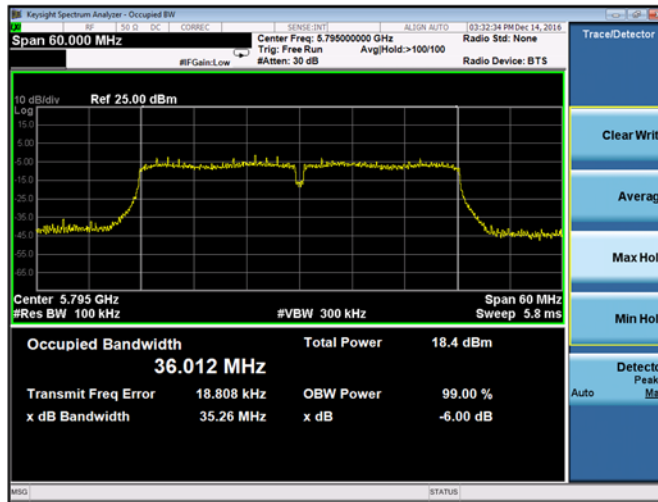
Plot 9-142. 6-dB Bandwidth Chain A 802.11ac VHT40 (Ch. 159)

9.3.5.10 Chain B 802.11ac VHT40 6-dB Bandwidth

Chain B 802.11ac VHT40 6-dB Bandwidth		
Channel No.	Frequency (MHz)	6-dB Bandwidth (MHz)
151	5755	36.02
159	5795	35.26



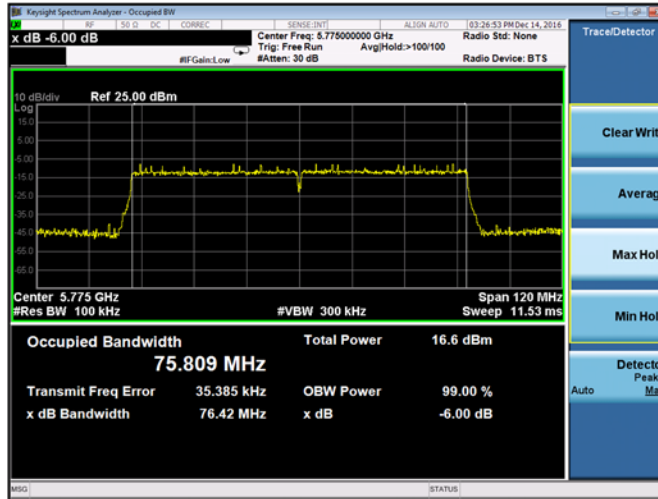
Plot 9-143. 6-dB Bandwidth Chain B 802.11ac VHT40 (Ch. 151)



Plot 9-144. 6-dB Bandwidth Chain B 802.11ac VHT40 (Ch. 159)

9.3.5.11 Chain A 802.11ac VHT80 6-dB Bandwidth

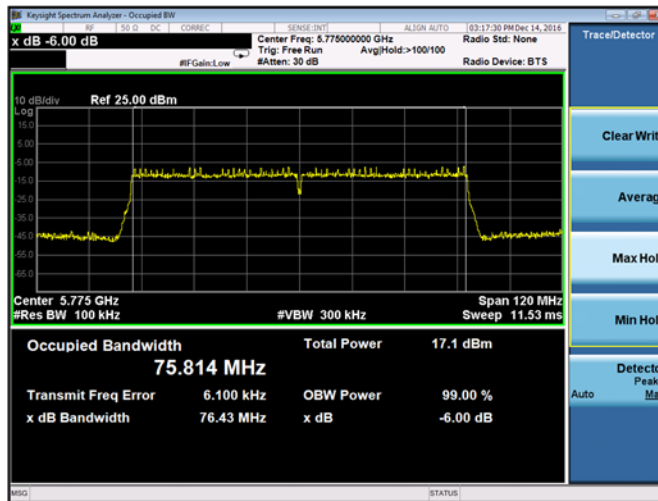
Chain A 802.11ac VHT80 6-dB Bandwidth		
Channel No.	Frequency (MHz)	6-dB Bandwidth (MHz)
155	5775	76.42



Plot 9-145. 6-dB Bandwidth Chain A 802.11ac VHT80 (Ch. 155)

9.3.5.12 Chain B 802.11ac VHT80 6-dB Bandwidth

Chain B 802.11ac VHT80 6-dB Bandwidth		
Channel No.	Frequency (MHz)	6-dB Bandwidth (MHz)
155	5775	76.43



Plot 9-146. 6-dB Bandwidth Chain B 802.11ac VHT80 (Ch. 155)

## 9.4 Maximum Conducted Output Power

### 9.4.1 Test Requirement:

FCC CFR 47 Rule Part 15.407 (a)  
ISED RSS-247 [6.2]

### 9.4.2 Test Method:

Measurements were performed according to the procedures defined in KDBs 789033- General UNII Test Procedures New Rules v01r03, 662911 D01 Multiple Transmitter Output v02r01, and ANSI C63.10 2013.

#### Spectrum Analyzer settings:

##### Average Power:

RBW= 1 MHz

VBW= 3 MHz

Detector = RMS

Trace Mode= Average over 100 traces

Sweep time= Auto

Sweep Point  $\geq 2 \times \text{Span} / \text{RBW}$

Span= large enough to encompass the 26-dB Emission Bandwidth or alternatively the 99% Occupied Bandwidth.

Use the band power measurement function to integrate the power over the 26-dB Emission Bandwidth or 99% Occupied Bandwidth.

### 9.4.3 Limits:

15.407: The maximum conducted output power shall not exceed the limits given the following table for antennas that do not exceed a directional gain  $> 6\text{dBi}$ :

Band of Operation (MHz)	15.407 Limit
5150 – 5250	24 dBm
5250 – 5350	24dBm or $11 \text{ dBm} + 10 \log (B)^{(1)}$
5470 – 5725	24dBm or $11 \text{ dBm} + 10 \log (B)^{(1)}$
5725 – 5825	30 dBm

Note(1): B is the 26-dB Emission bandwidth of signal.

RSS-247: The maximum conducted output power and/or EIRP shall not exceed the limits given the following table:

Band of Operation (MHz)	RSS-247 Conducted Output Power Limit	RSS-247 E.I.R.P Limit
5150 – 5250	--	23 dBm or $10 + 10 \log (B)^{(1)}$
5250 – 5350	24 dBm or $11 + 10 \log (B)^{(1)}$	30 dBm or $17 + 10 \log (B)^{(1)}$
5470 – 5725	24 dBm or $11 + 10 \log (B)^{(1)}$	30 dBm or $17 + 10 \log (B)^{(1)}$
5725 – 5825	30 dBm	--

Note(1): B is the 99% Occupied Bandwidth of the signal.

### 9.4.4 Test Results:

Pass. See Section 9.5.5 for test data.

## 9.5 Power Spectral Density

### 9.5.1 Test Requirement:

FCC CFR 47 Rule Part 15.407 (a)  
ISED RSS-247 [6.2]

### 9.5.2 Test Method:

Measurements were performed according to the procedures defined in KDBs 789033- General UNII Test Procedures New Rules v01r03, 662911 D01 Multiple Transmitter Output v02r01, and ANSI C63.10 2013.

#### **Spectrum Analyzer settings for devices operating in the bands 5.15 – 5.25 GHz, 5.25 – 5.35GHz, and 5.47 – 5.725GHz:**

RBW= 1 MHz

VBW= 3 MHz

Detector = RMS

Trace Mode= Average over 100 traces

Sweep time= Auto

Sweep Point  $\geq 2 * \text{Span} / \text{RBW}$

Span= large enough to encompass the 26-dB Emission Bandwidth or alternatively the 99% Occupied Bandwidth. Use the peak marker function to identify the Maximum Power Spectral Density

#### **Spectrum Analyzer settings for devices operating in the bands 5.725 – 5.85 GHz:**

RBW= 100 kHz

VBW= 300 kHz

Detector = RMS

Trace Mode= Average over 100 traces

Sweep time= Auto

Sweep Point  $\geq 2 * \text{Span} / \text{RBW}$

Span= large enough to encompass the 26-dB Emission Bandwidth or alternatively the 99% Occupied Bandwidth. Use the peak marker function to identify the Maximum Power Spectral Density

Offset is added if measurements are performed using a reduced resolution bandwidth 100 kHz, add  $10 * \log(500\text{KHz} / \text{RBW USED})$  to the measured result.

### 9.5.3 Limits:

15.407: The Maximum Power Spectral Density shall not exceed the limits given the following table for antennas that do not exceed a directional gain > 6dBi:

Band of Operation (MHz)	15.407 Limits
5150 – 5250	11dBm/MHz
5250 – 5350	11dBm/MHz
5470 – 5725	11dBm/MHz
5725 – 5825	30dBm/500kHz

Band of Operation (MHz)	RSS-247 Limits
5150 – 5250	10dBm/MHz e.i.r.p.
5250 – 5350	11dBm/MHz
5470 – 5725	11dBm/MHz
5725 – 5825	30dBm/500kHz

For antenna gains >6dBi, the PSD limits are reduced by the amount it exceeds 6dBi.

#### 9.5.4 Test Results:

Pass.

## 9.5.5 Test Data

### 9.5.5.1 Chain A+B 802.11a Maximum Conducted Output Power

Chain A+B 802.11a 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	10.05	10.07	13.07	24.00	--	-10.93	--
44	5220	9.7	10.49	13.12	24.00	--	-10.88	--
48	5240	9.87	10.43	13.17	24.00	--	-10.83	--
52	5260	12.78	13.94	16.41	23.84	23.19	-7.43	-6.78
60	5300	13.22	13.76	16.51	23.86	23.17	-7.35	-6.66
64	5320	13.20	14.02	16.64	23.85	23.18	-7.21	-6.54
100	5500	12.64	13.49	16.10	23.78	23.17	-7.68	-7.08
116	5580	12.86	13.27	16.08	23.88	23.18	-7.80	-7.10
140	5700	12.86	13.97	16.46	23.84	23.18	-7.37	-6.72
149	5745	13.06	13.75	16.43	30.00	30.00	-13.57	-13.57
157	5785	13.02	13.48	16.27	30.00	30.00	-13.73	-13.73
165	5825	12.93	13.34	16.15	30.00	30.00	-13.85	-13.85

Chain A+B 802.11a 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	13.07	3.30	16.37	22.18	-5.81
44	5220	13.12	3.30	16.42	22.18	-5.75
48	5240	13.17	3.30	16.47	22.19	-5.71
52	5260	16.41	3.50	19.91	29.19	-9.28
60	5300	16.51	3.50	20.01	29.17	-9.16
64	5320	16.64	3.50	20.14	29.18	-9.04
100	5500	16.10	5.20	21.30	29.17	-7.88
116	5580	16.08	5.20	21.28	29.18	-7.90
140	5700	16.46	5.20	21.66	29.18	-7.52
149	5745	16.43	4.35	20.78	--	--
157	5785	16.27	4.35	20.62	--	--
165	5825	16.15	4.35	20.50	--	--

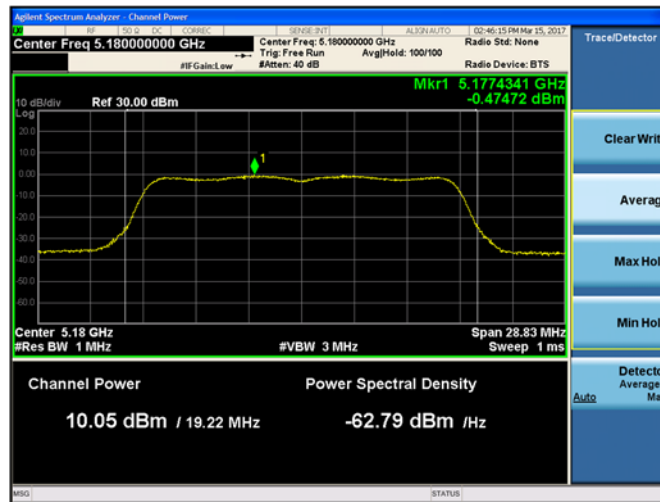
**9.5.5.2 Chain A+B 802.11a Maximum Power Spectral Density**

<b>UNII-1 Chain A+B 802.11a Maximum Power Spectral Density/MHz</b>										
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)
36	5180	-0.47	-0.57	2.49	6.31	8.80	10.69	10.00	-8.20	-1.20
44	5220	-0.99	-0.05	2.52	6.31	8.83	10.69	10.00	-8.17	-1.17
48	5240	-0.69	-0.31	2.51	6.31	8.83	10.69	10.00	-8.17	-1.17

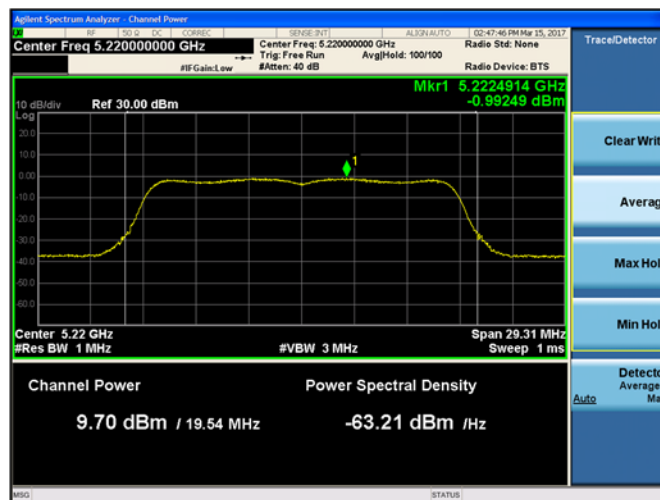
<b>UNII-2A and UNII-2C Chain A+B 802.11a Maximum Power Spectral Density/MHz</b>									
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\frac{dBm}{MHz}$	15.407 Limit $\frac{dBm}{MHz}$	RSS-247 Limit $\frac{dBm}{MHz}$	15.407 Margin (dB)	RSS-247 Margin (dB)	
52	5260	2.06	3.59	5.90	10.49	11.00	-4.59	-5.10	
60	5300	2.58	3.33	5.98	10.49	11.00	-4.51	-5.02	
64	5320	2.63	3.26	5.97	10.49	11.00	-4.52	-5.03	
100	5500	1.97	2.80	5.42	8.79	11.00	-3.37	-5.58	
116	5580	2.29	2.58	5.45	8.79	11.00	-3.34	-5.55	
140	5700	2.32	3.28	5.84	8.79	11.00	-2.95	-5.16	

<b>UNII-3 Chain A+B 802.11a Maximum Power Spectral Density/500kHz</b>								
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)
149	5745	0.31	1.04	3.70	28.64	28.64	-24.94	-24.94
157	5785	0.37	0.50	3.45	28.64	28.64	-25.19	-25.19
165	5825	0.74	0.90	3.83	28.64	28.64	-24.81	-24.81

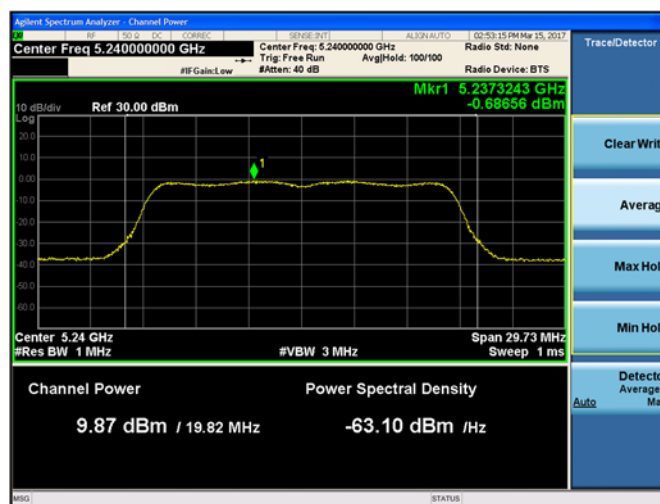




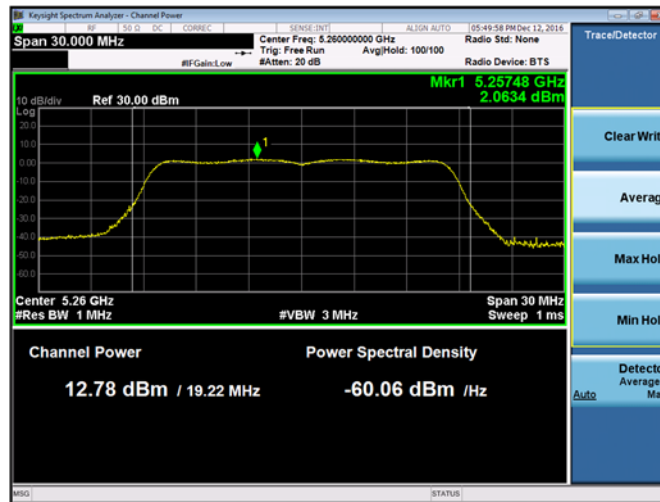
Plot 9-147. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 36)



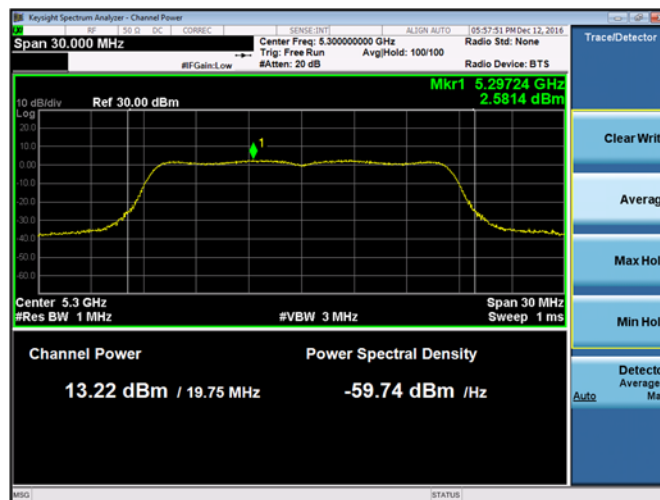
Plot 9-148. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 44)



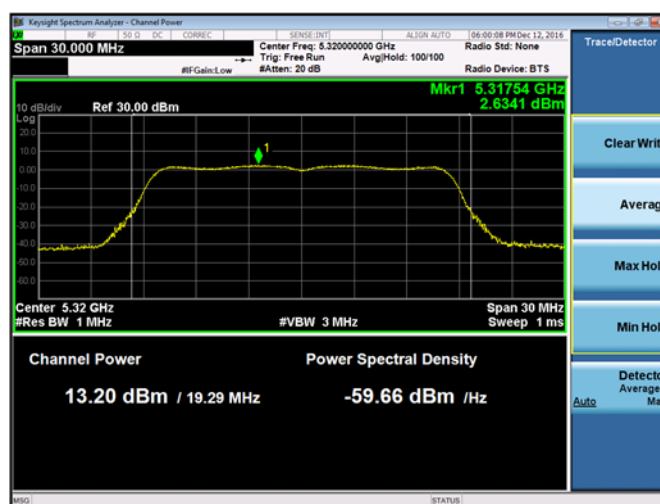
Plot 9-149. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 48)



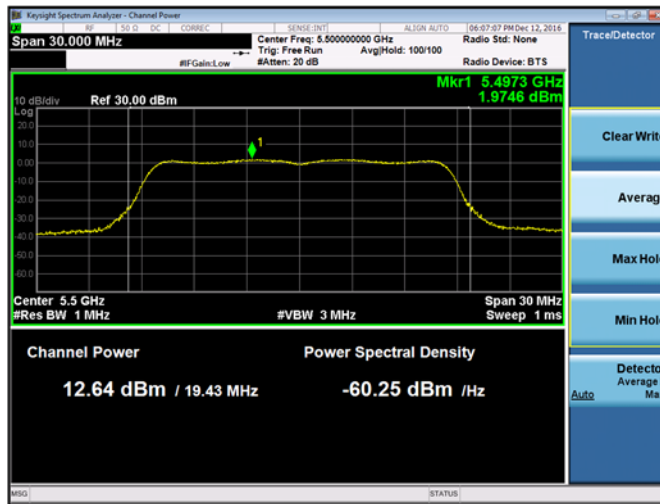
Plot 9-150. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 52)



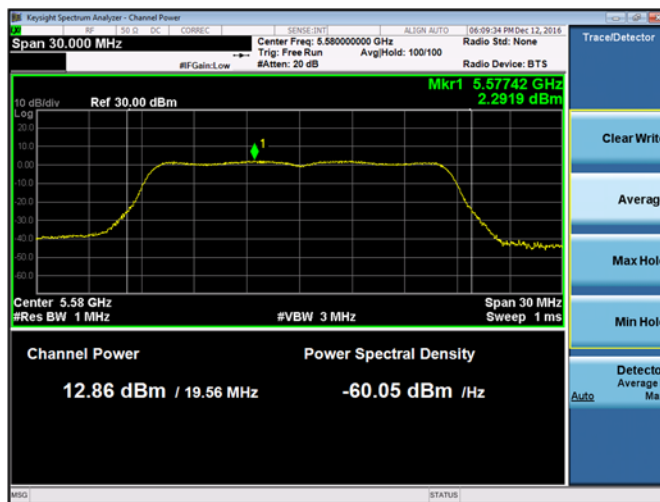
Plot 9-151. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 60)



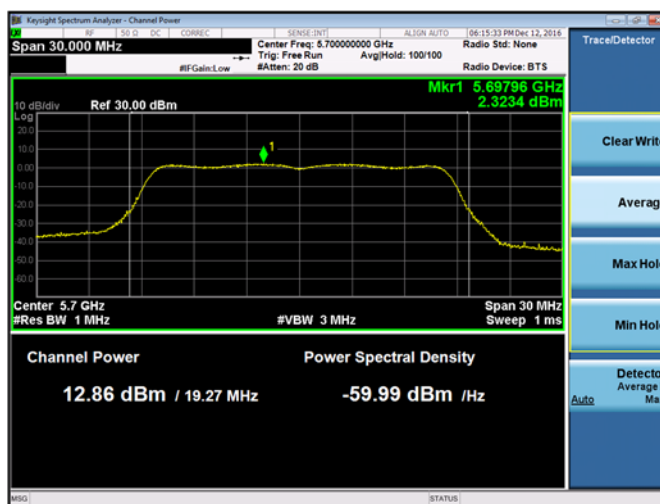
Plot 9-152. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 64)



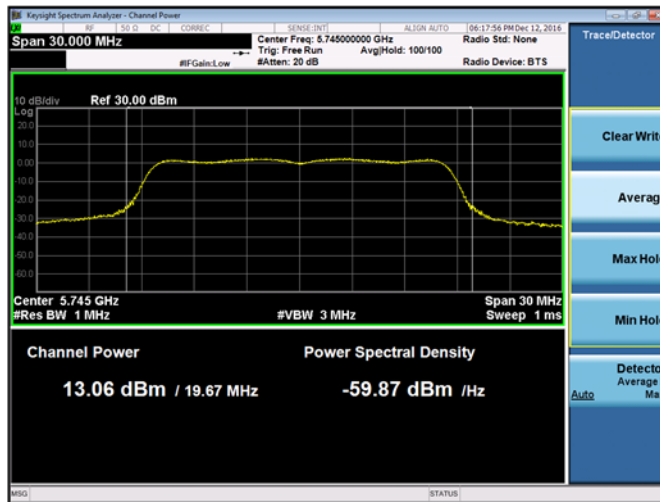
Plot 9-153. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 100)



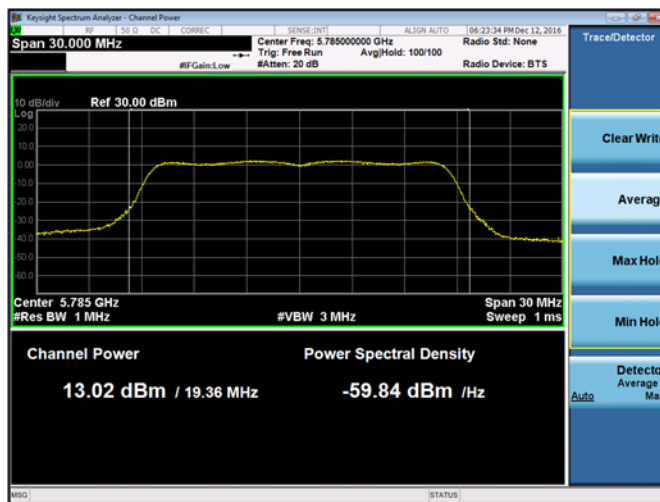
Plot 9-154. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 116)



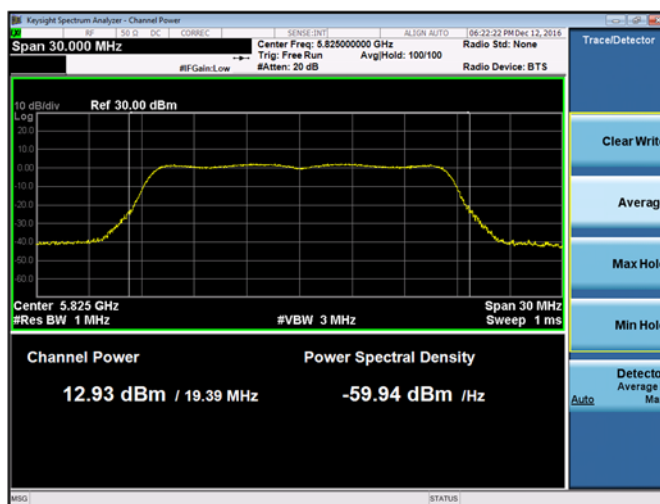
Plot 9-155. Maximum Conducted Output Power and PSD Chain A 802.11a (Ch. 140)



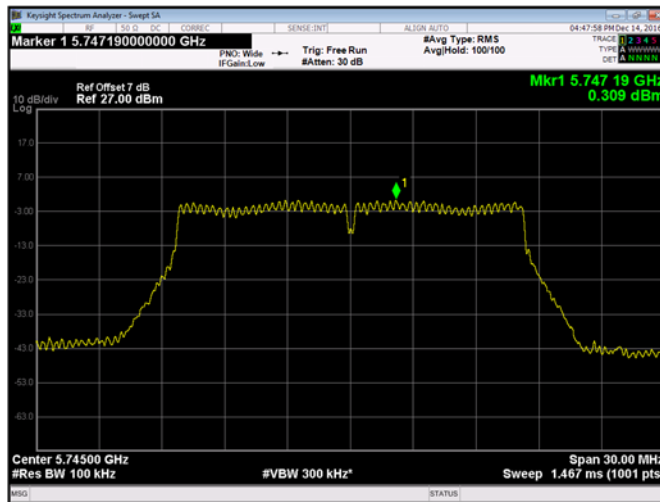
Plot 9-156. Maximum Conducted Output Power Chain A 802.11a (Ch. 149)



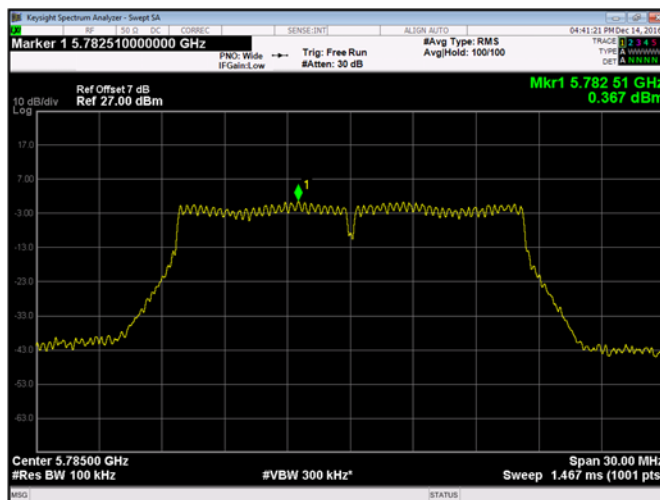
Plot 9-157. Maximum Conducted Output Power Chain A 802.11a (Ch. 157)



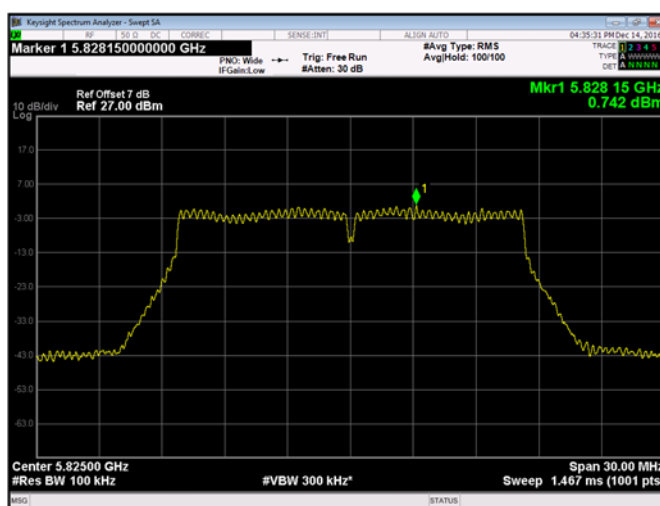
Plot 9-158. Maximum Conducted Output Power Chain A 802.11a (Ch. 165)



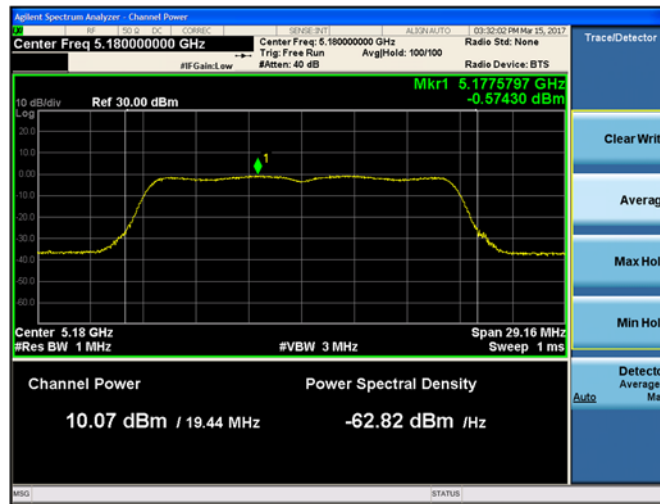
Plot 9-159. Maximum Power Spectral Density Chain A 802.11a (Ch. 149)



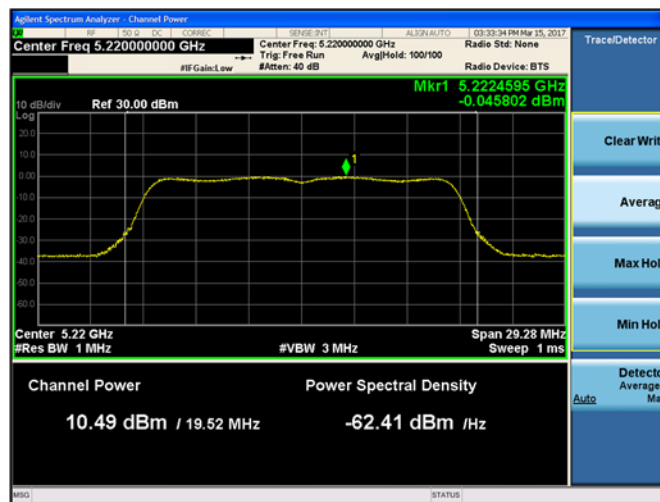
Plot 9-160. Maximum Power Spectral Density Chain A 802.11a (Ch. 157)



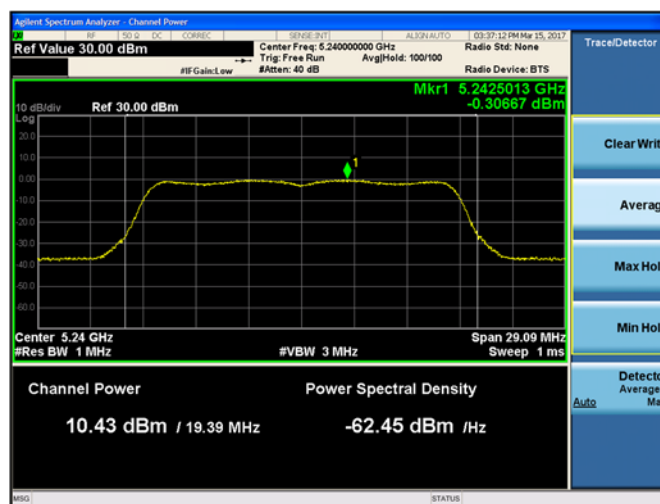
Plot 9-161. Maximum Power Spectral Density Chain A 802.11a (Ch. 165)



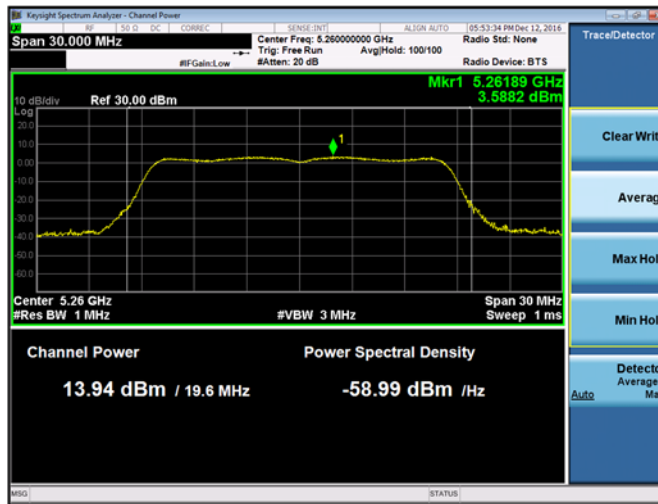
Plot 9-162. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 36)



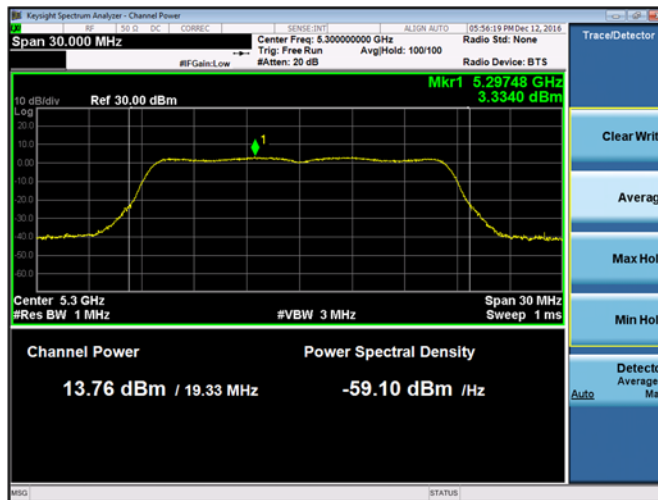
Plot 9-163. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 44)



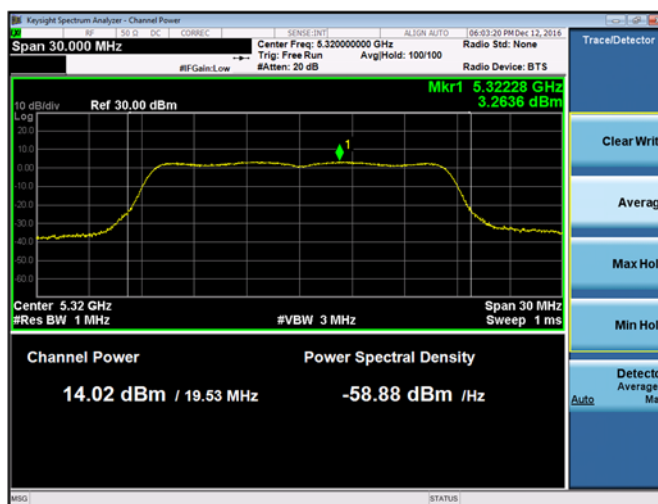
Plot 9-164. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 48)



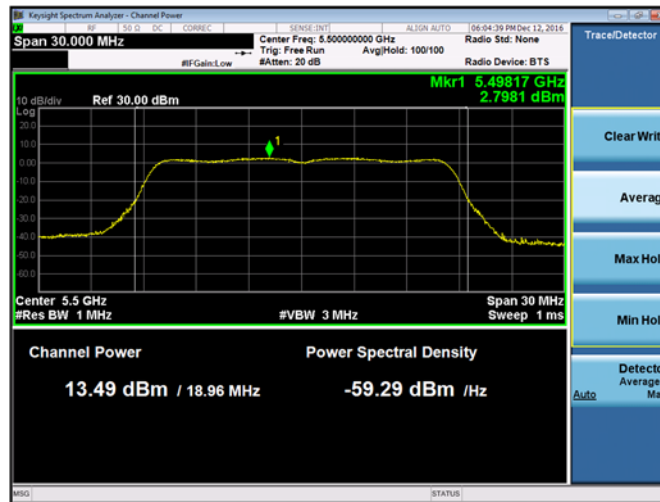
Plot 9-165. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 52)



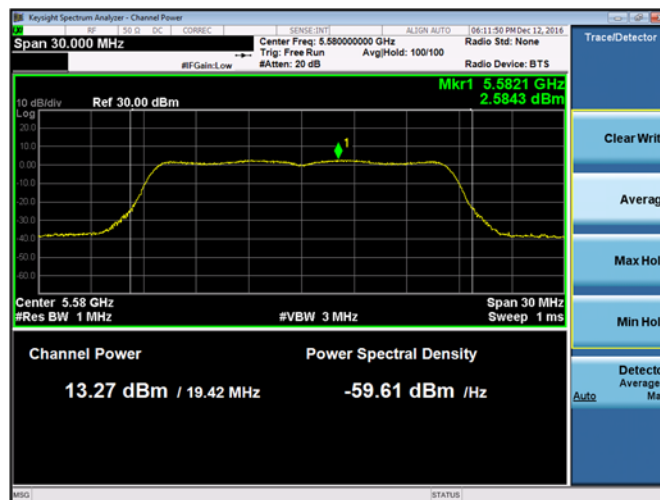
Plot 9-166. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 60)



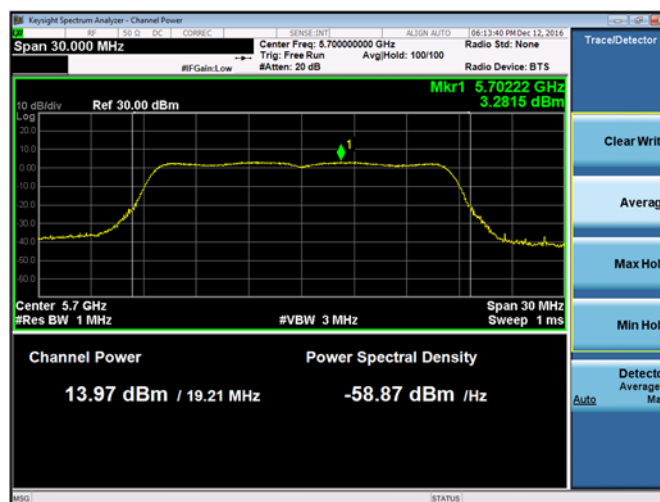
Plot 9-167. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 64)



Plot 9-168. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 100)

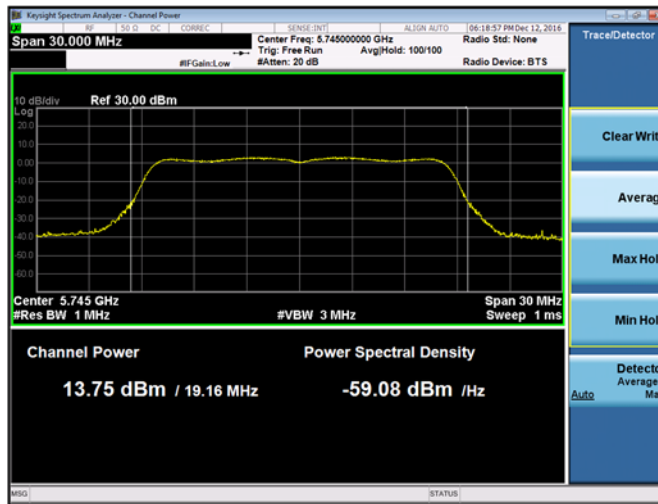


Plot 9-169. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 116)

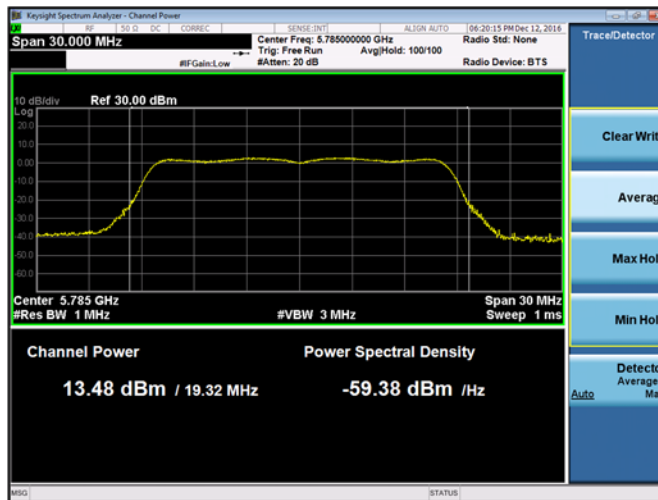


Plot 9-170. Maximum Conducted Output Power and PSD Chain B 802.11a (Ch. 140)

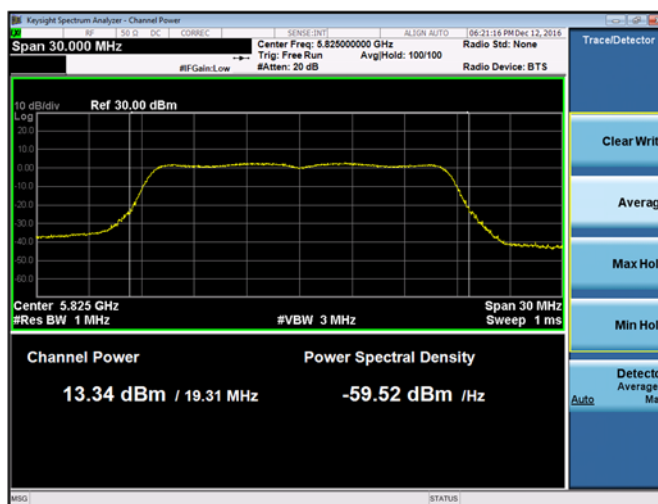




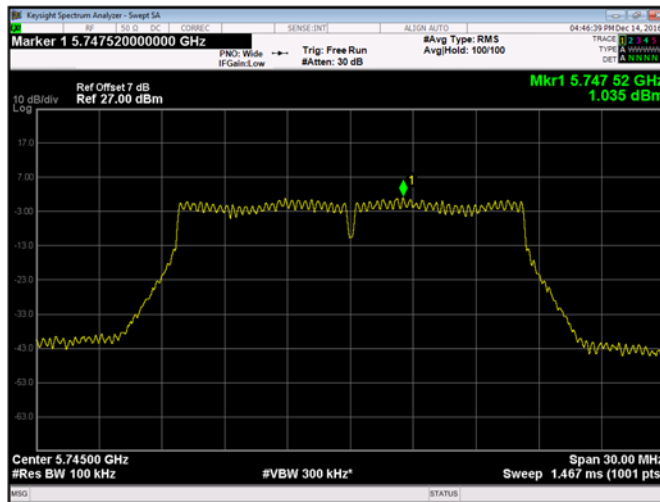
Plot 9-171. Maximum Conducted Output Power Chain B 802.11a (Ch. 149)



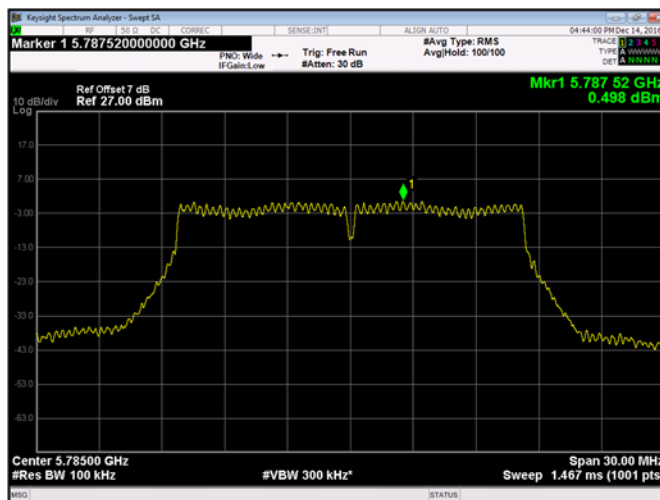
Plot 9-172. Maximum Conducted Output Power Chain B 802.11a (Ch. 157)



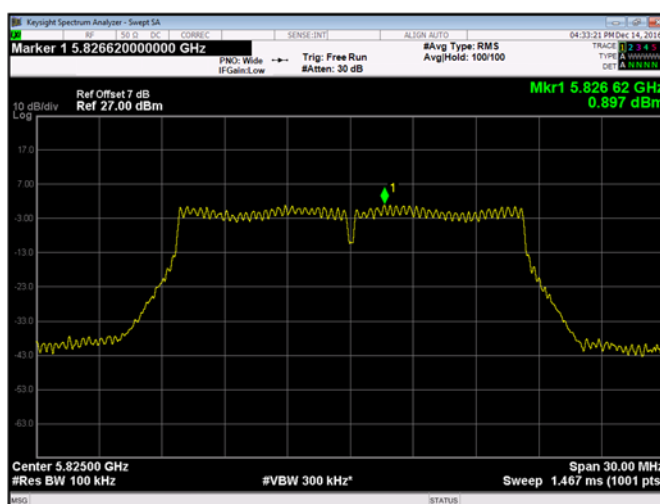
Plot 9-173. Maximum Conducted Output Power Chain B 802.11a (Ch. 165)



Plot 9-174. Maximum Power Spectral Density Chain B 802.11a (Ch. 149)



Plot 9-175. Maximum Power Spectral Density Chain B 802.11a (Ch. 157)



Plot 9-176. Maximum Power Spectral Density Chain B 802.11a (Ch. 165)

**9.5.5.3 Chain A+B 802.11n HT20 Maximum Conducted Output Power**

Chain A+B 802.11n HT20 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	10.05	10.35	13.21	24.00	--	-10.79	--
44	5220	9.88	10.32	13.12	24.00	--	-10.88	--
48	5240	9.75	10.23	13.01	24.00	--	-10.99	--
52	5260	13.03	13.62	16.35	23.99	23.46	-7.64	-7.11
60	5300	13.17	13.84	16.53	23.94	23.46	-7.41	-6.93
64	5320	13.34	14.09	16.74	23.93	23.46	-7.19	-6.72
100	5500	12.72	13.60	16.19	23.95	23.46	-7.76	-7.26
116	5580	12.83	13.43	16.15	23.97	23.46	-7.82	-7.31
140	5700	12.93	13.89	16.45	23.96	23.43	-7.52	-6.98
149	5745	12.92	13.74	16.36	30.00	30.00	-13.64	-13.64
157	5785	13.13	13.48	16.32	30.00	30.00	-13.68	-13.68
165	5825	12.89	13.47	16.20	30.00	30.00	-13.80	-13.80

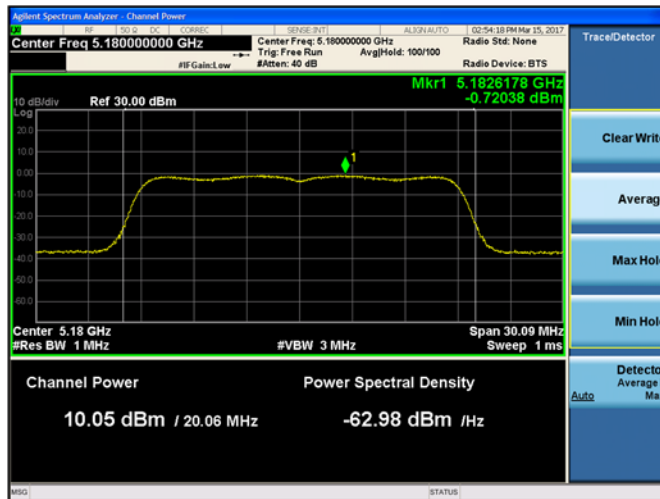
Chain A+B 802.11n HT20 E.I.R.P						
Channel No.	Frequency (MHz)	Total Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm)	RSS-247 E.I.R.P Limit (dBm)	RSS-247 E.I.R.P. Margin (dB)
36	5180	13.21	3.30	16.51	22.46	-5.94
44	5220	13.12	3.30	16.42	22.46	-6.04
48	5240	13.01	3.30	16.31	22.45	-6.14
52	5260	16.35	3.50	19.85	29.46	-9.61
60	5300	16.53	3.50	20.03	29.46	-9.43
64	5320	16.74	3.50	20.24	29.46	-9.22
100	5500	16.19	5.20	21.39	29.46	-8.06
116	5580	16.15	5.20	21.35	29.46	-8.11
140	5700	16.45	5.20	21.65	29.43	-7.78
149	5745	16.36	4.35	20.71	--	--
157	5785	16.32	4.35	20.67	--	--
165	5825	16.20	4.35	20.55	--	--

9.5.5.4 Chain A+B 802.11n HT20 Maximum Power Spectral Density

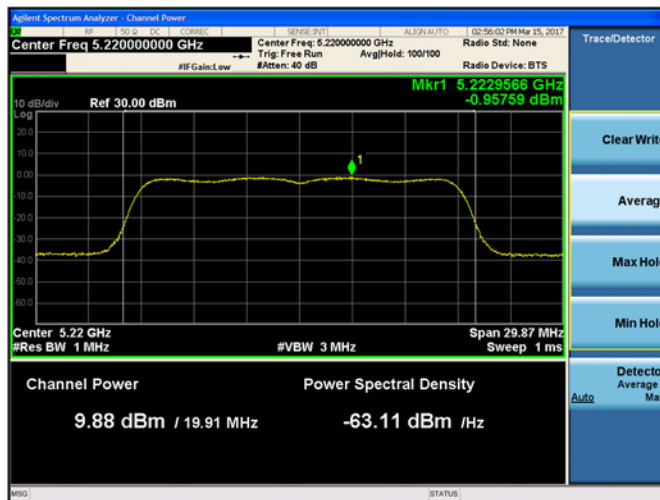
UNII-1 Chain A+B 802.11n HT20 Maximum Power Spectral Density/MHz										
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\frac{dBm}{MHz}$	Total Ant. Gain (dBi)	Total EIRP PSD $\frac{dBm}{MHz}$	15.407 Limit $\frac{dBm}{MHz}$	RSS-247 EIRP PSD Limit $\frac{dBm}{MHz}$	15.407 Margin (dB)	RSS-247 Margin (dB)
36	5180	-0.72	-0.49	2.41	6.31	8.72	10.69	10.00	-8.28	-1.28
44	5220	-0.96	-0.64	2.21	6.31	8.52	10.69	10.00	-8.48	-1.48
48	5240	-1.11	-0.71	2.10	6.31	8.42	10.69	10.00	-8.58	-1.58

UNII-2A and UNII-2C Chain A+B 802.11n HT20 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	2.13	2.75	5.46	10.49	11.00	-5.03	-5.54	
60	5300	2.14	2.87	5.53	10.49	11.00	-4.96	-5.47	
64	5320	2.55	3.22	5.91	10.49	11.00	-4.58	-5.09	
100	5500	1.76	2.78	5.31	8.79	11.00	-3.48	-5.69	
116	5580	2.03	2.69	5.38	8.79	11.00	-3.41	-5.62	
140	5700	1.95	2.95	5.49	8.79	11.00	-3.30	-5.51	

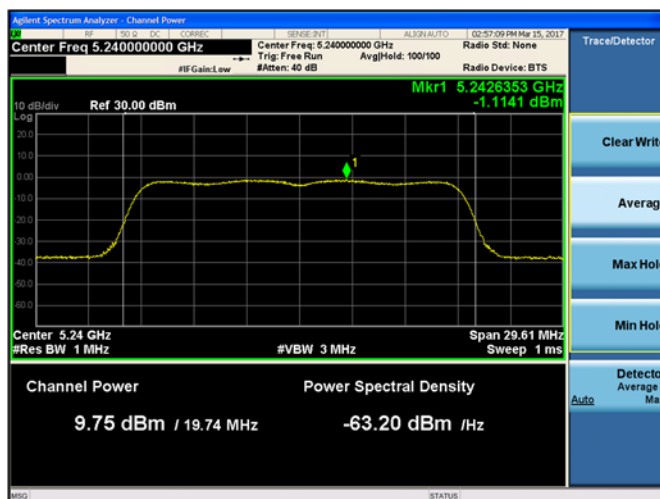
UNII-3 Chain A+B 802.11n HT20 Maximum Power Spectral Density/500kHz								
Chan. No.	Freq. (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\frac{dBm}{500 kHz}$	15.407 Limit $\frac{dBm}{500 kHz}$	RSS-247 Limit $\frac{dBm}{500 kHz}$	15.407 Margin (dB)	RSS-247 Margin (dB)
149	5745	0.04	0.88	3.49	28.64	28.64	-25.15	-25.15
157	5785	0.52	0.71	3.63	28.64	28.64	-25.01	-25.01
165	5825	0.00	0.32	3.49	28.64	28.64	-25.47	-25.47



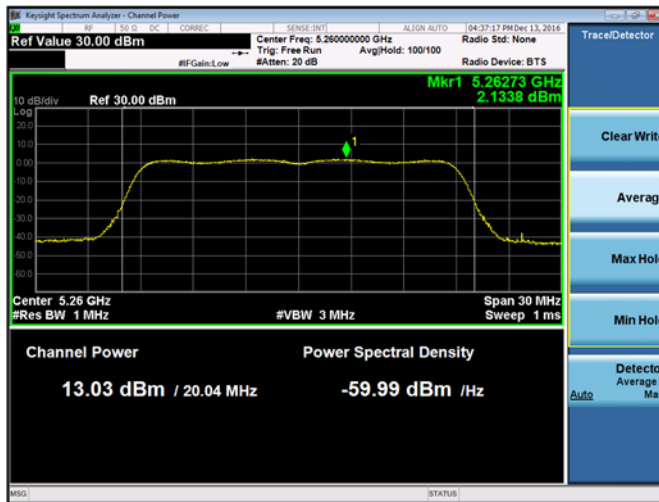
Plot 9-177. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 36)



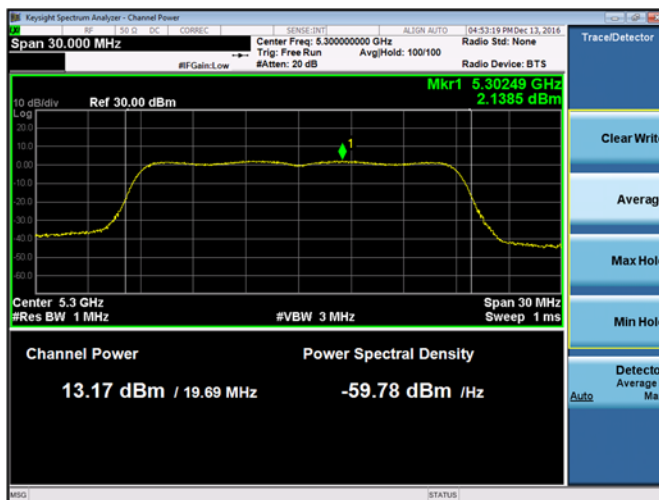
Plot 9-178. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 44)



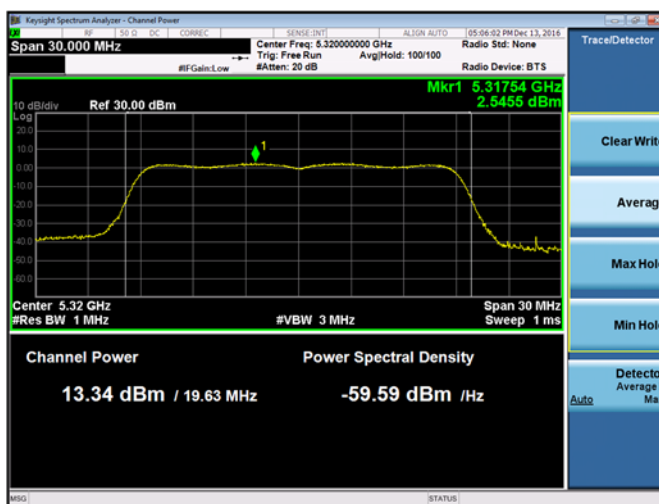
Plot 9-179. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 48)



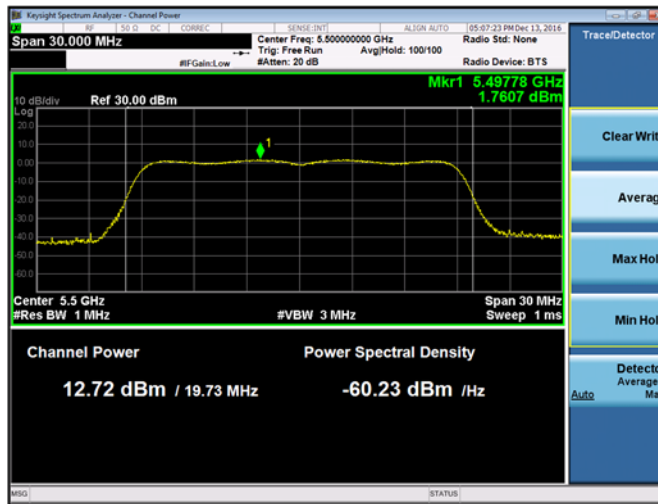
Plot 9-180. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 52)



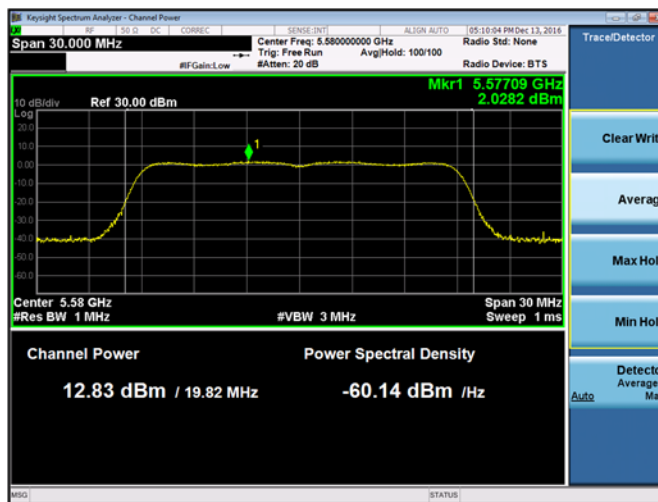
Plot 9-181. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 60)



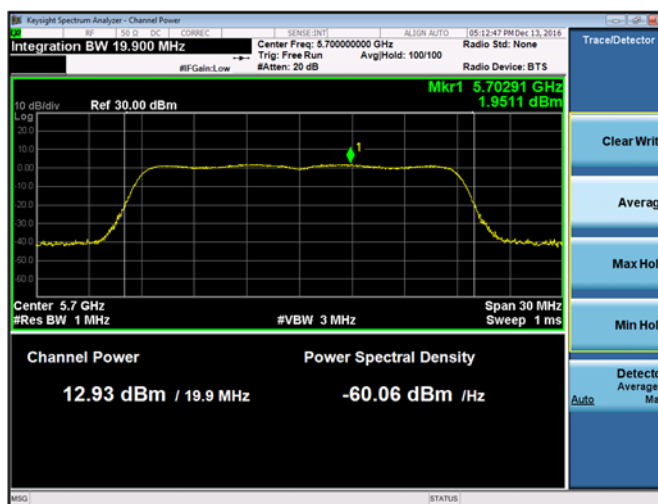
Plot 9-182. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 64)



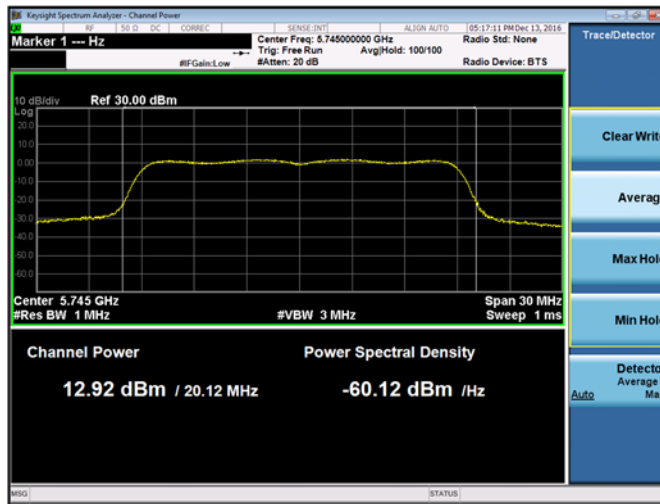
Plot 9-183. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 100)



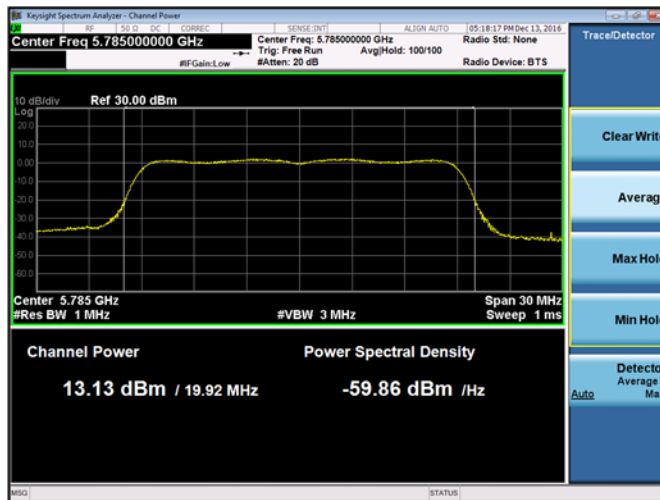
Plot 9-184. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 116)



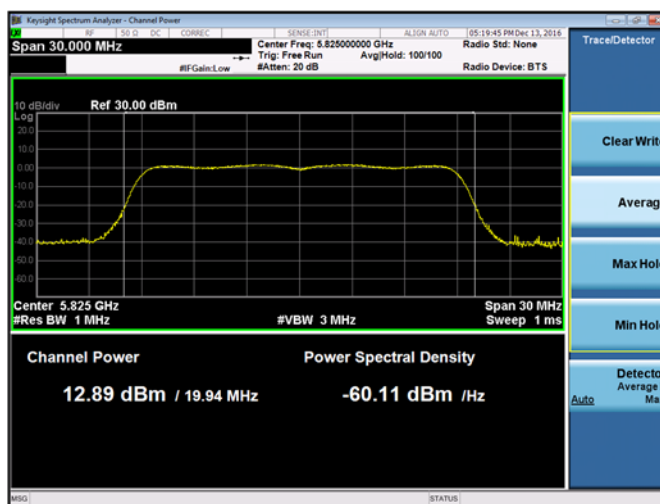
Plot 9-185. Maximum Conducted Output Power and PSD Chain A 802.11n HT20 (Ch. 140)



Plot 9-186. Maximum Conducted Output Power Chain A 802.11n HT20 (Ch. 149)

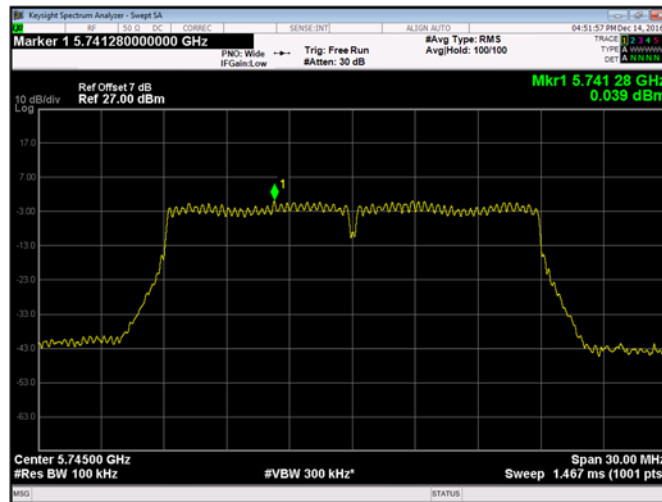


Plot 9-187. Maximum Conducted Output Power Chain A 802.11n HT20 (Ch. 157)

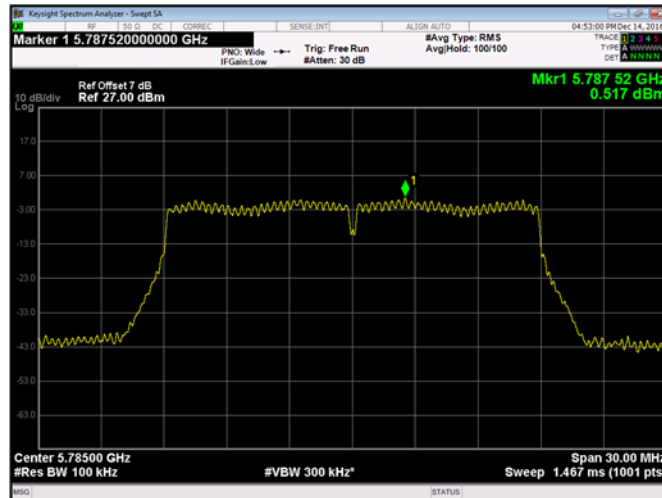


Plot 9-188. Maximum Conducted Output Power Chain A 802.11n HT20 (Ch. 165)

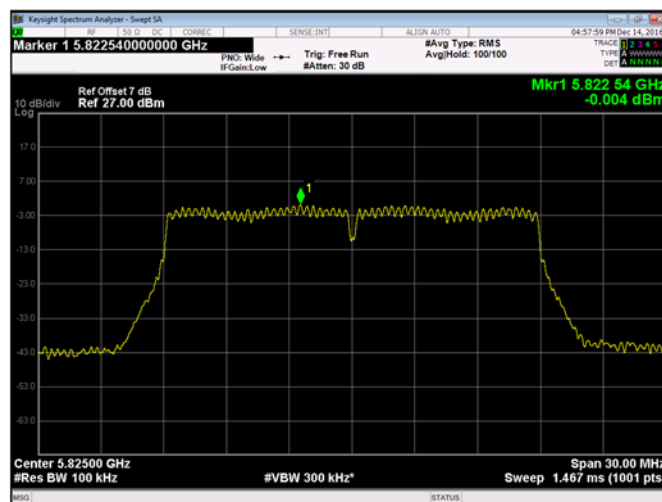




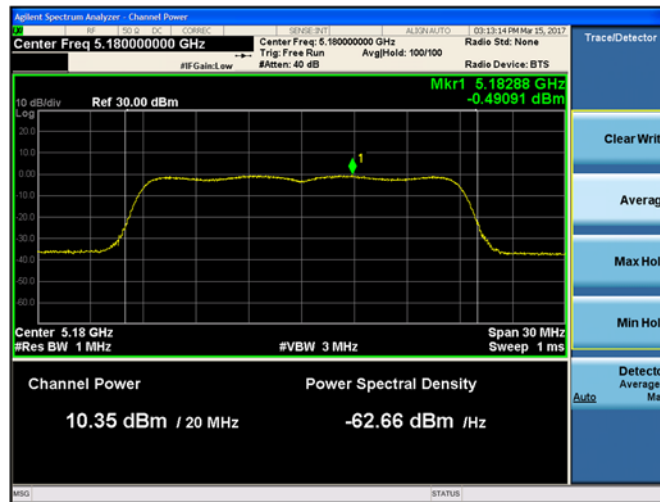
Plot 9-189. Maximum Power Spectral Density Chain A 802.1n HT20 (Ch. 149)



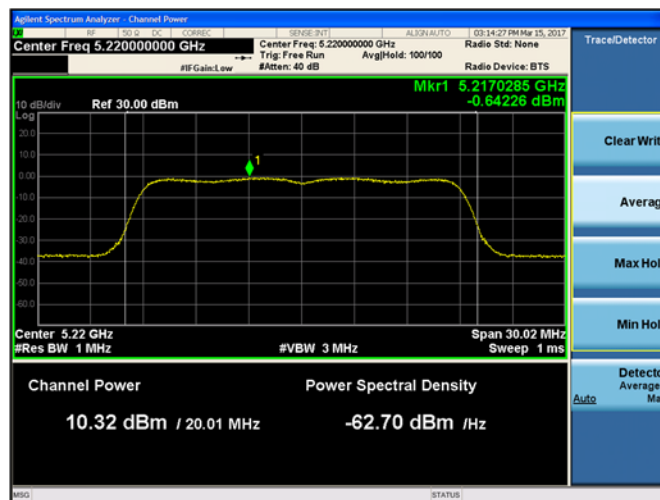
Plot 9-190. Maximum Power Spectral Density Chain A 802.11n HT20 (Ch. 157)



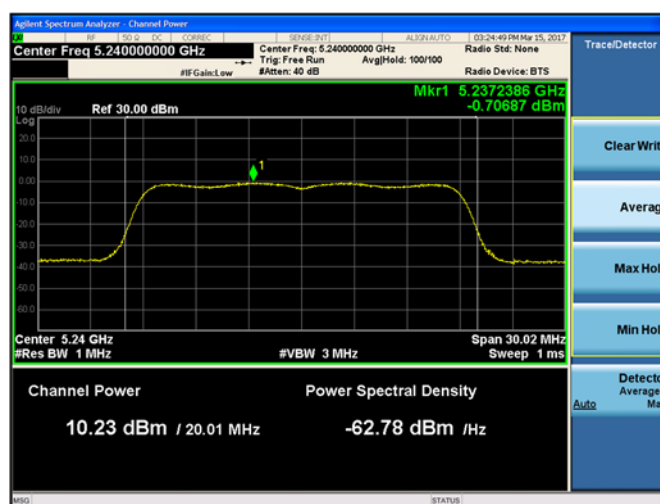
Plot 9-191. Maximum Power Spectral Density Chain A 802.11n HT20 (Ch. 165)



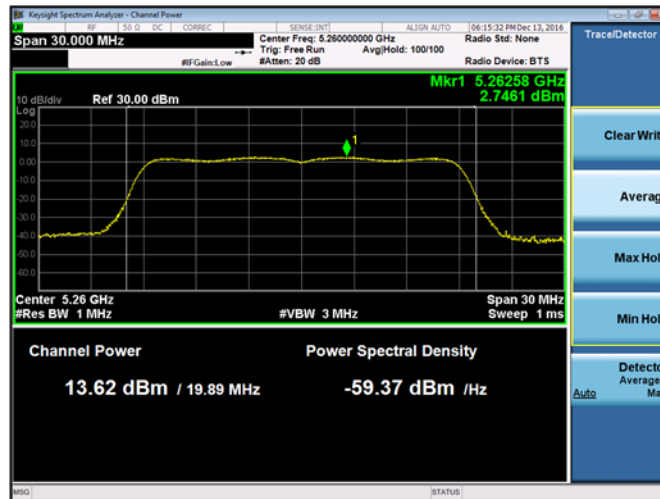
Plot 9-192. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 36)



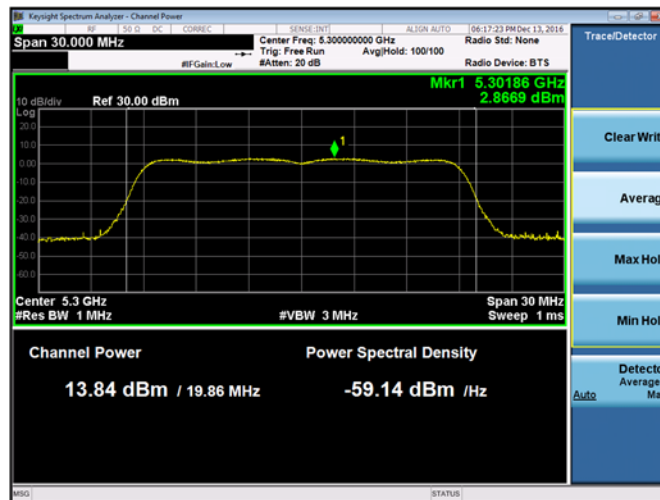
Plot 9-193. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 44)



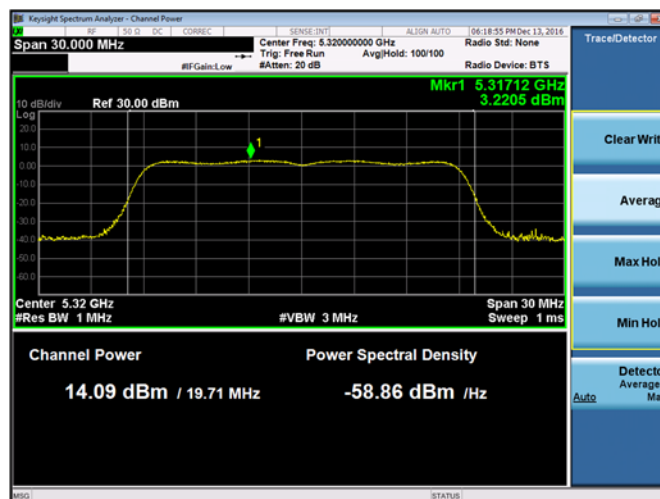
Plot 9-194. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 48)



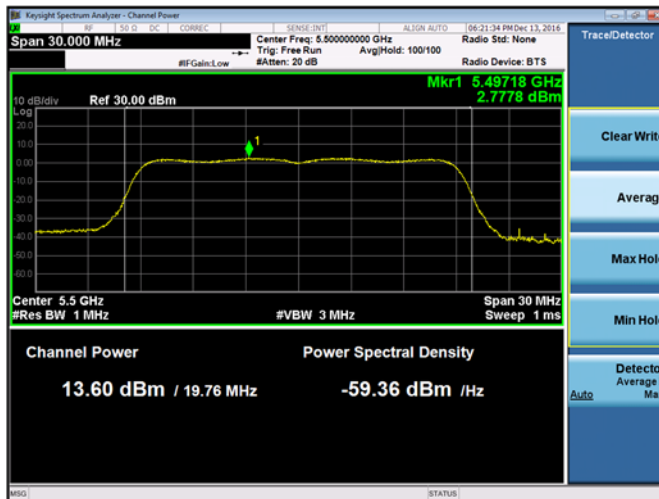
Plot 9-195. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 52)



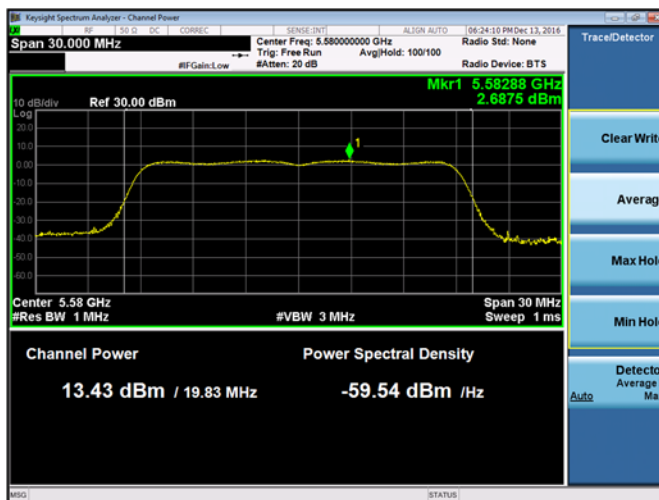
Plot 9-196. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 60)



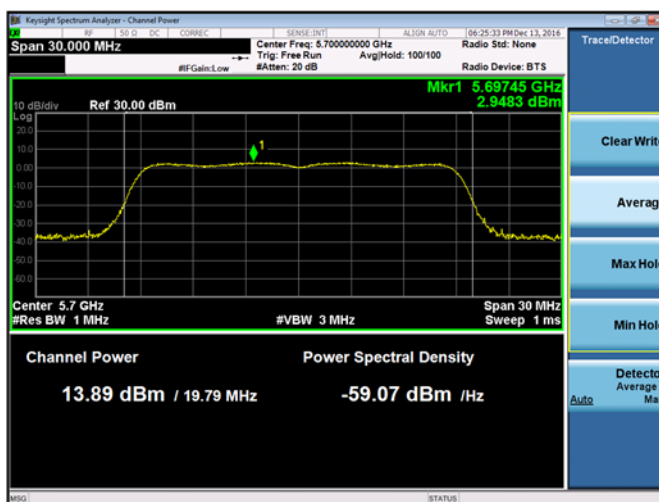
Plot 9-197. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 64)



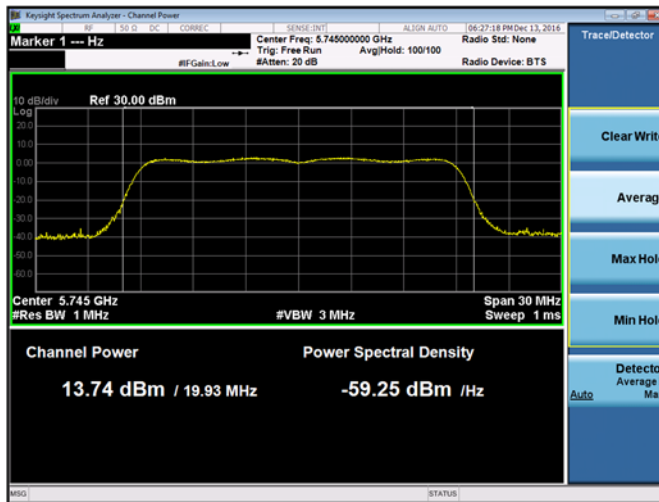
Plot 9-198. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 100)



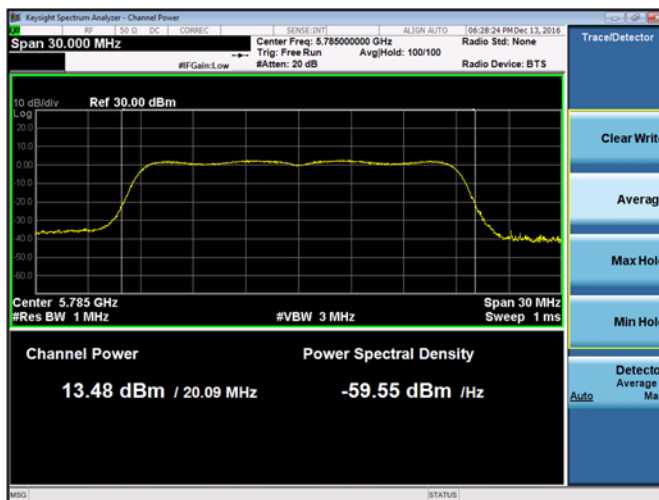
Plot 9-199. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 116)



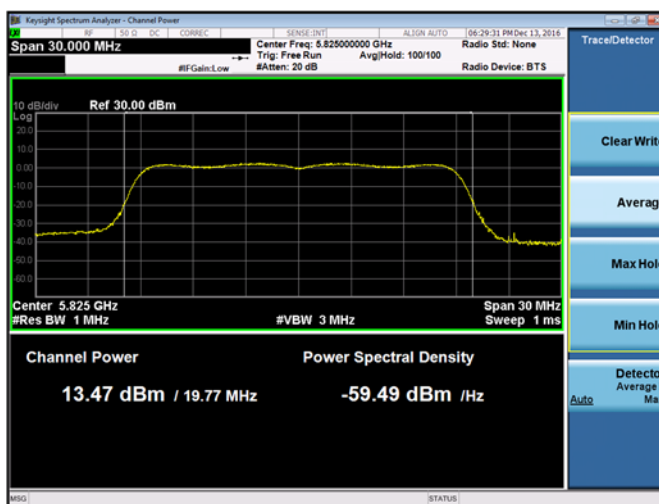
Plot 9-200. Maximum Conducted Output Power and PSD Chain B 802.11n HT20 (Ch. 140)



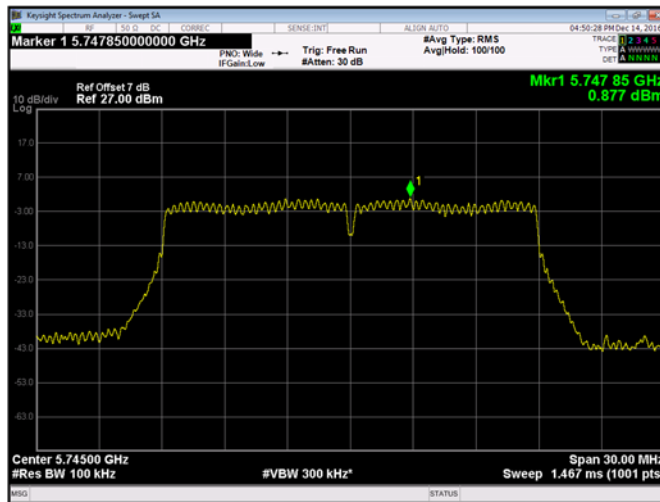
Plot 9-201. Maximum Conducted Output Power Chain B 802.11n HT20 (Ch. 149)



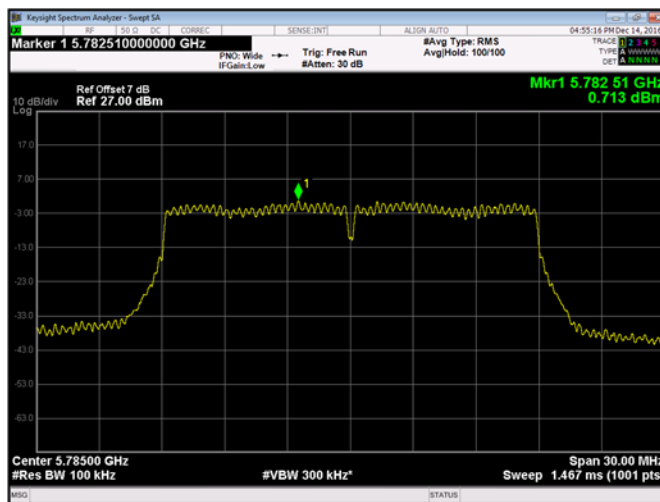
Plot 9-202. Maximum Conducted Output Power Chain B 802.11n HT20 (Ch. 157)



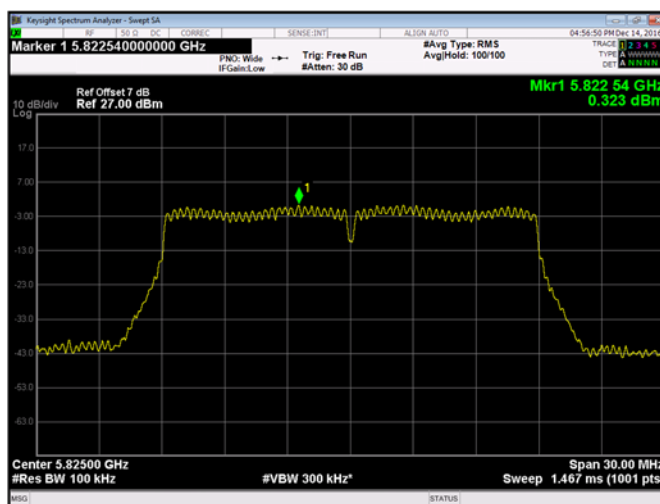
Plot 9-203. Maximum Conducted Output Power Chain B 802.11n HT20 (Ch. 165)



Plot 9-204. Maximum Power Spectral Density Chain B 802.11n HT20 (Ch. 149)



Plot 9-205. Maximum Power Spectral Density Chain B 802.11n HT20 (Ch. 157)



Plot 9-206. Maximum Power Spectral Density Chain B 802.11n HT20 (Ch. 165)

**9.5.5.5 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	11.61	12.18	14.91	24.00	--	-9.09	--
46	5230	11.14	12.16	14.69	24.00	--	-9.31	--
54	5270	11.29	11.92	14.63	24.00	24.00	-9.37	-9.37
62	5310	11.40	12.13	14.79	24.00	24.00	-9.21	-9.21
102	5510	12.13	11.83	14.99	24.00	24.00	-9.01	-9.01
110	5550	11.99	12.17	15.09	24.00	24.00	-8.91	-8.91
134	5670	12.01	12.11	15.07	24.00	24.00	-8.93	-8.93
151	5755	11.59	11.90	14.76	30.00	30.00	-15.24	-15.24
159	5795	11.57	11.89	14.74	30.00	30.00	-15.26	-15.26

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	14.91	3.30	18.22	23.00	-4.78
46	5230	14.69	3.30	17.99	23.00	-5.01
54	5270	14.63	3.50	18.13	30.00	-11.87
62	5310	14.79	3.50	18.29	30.00	-11.71
102	5510	14.99	5.20	20.19	30.00	-9.81
110	5550	15.09	5.20	20.29	30.00	-9.71
134	5670	15.07	5.20	20.27	30.00	-9.73
151	5755	14.76	4.35	19.11	--	--
159	5795	14.74	4.35	19.10	--	--

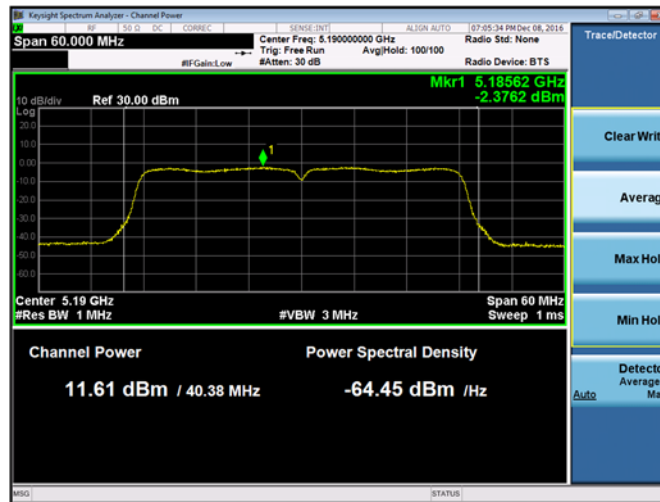
9.5.5.6 Chain A+B 802.11n HT40 Maximum Power Spectral Density

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 $\left(\frac{dBm}{MHz}\right)$	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	-2.38	-1.76	0.95	6.31	7.26	10.69	10.00	-9.74	-2.74
46	5230	-2.74	-1.77	0.78	6.31	7.09	10.69	10.00	-9.91	-2.91

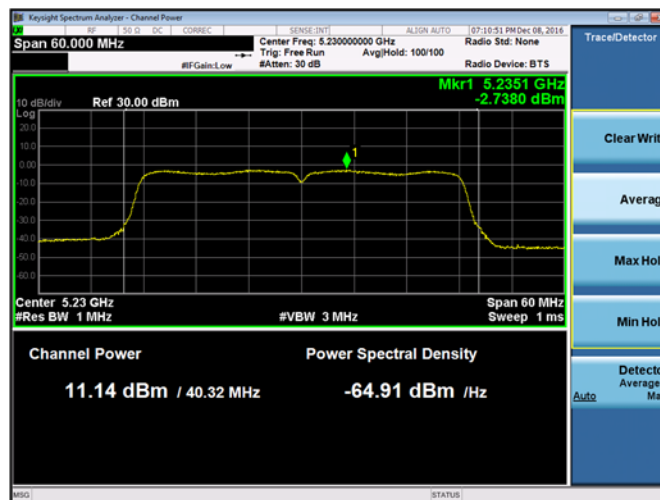
UNII-2A and UNII-2C Chain A+B 802.11n HT40 Maximum Power Spectral Density/MHz									
Channel No.	Frequency (MHz)	Chain A (dBm)	Chain B (dBm)	Total PSD $\left(\frac{dBm}{MHz}\right)$	15.407 Limit $\left(\frac{dBm}{MHz}\right)$	RSS-247 Limit $\left(\frac{dBm}{MHz}\right)$	15.407 Margin (dB)	RSS-247 Margin (dB)	
54	5270	-2.83	-1.98	0.63	10.49	11.00	-9.86	-10.37	
62	5310	-2.43	-1.74	0.94	10.49	11.00	-9.55	-10.06	
102	5510	-1.80	-2.21	1.01	8.79	11.00	-7.78	-9.99	
110	5550	-2.08	-1.83	1.06	8.79	11.00	-7.73	-9.94	
134	5670	-1.93	-1.88	1.10	8.79	11.00	-7.69	-9.90	

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 $\left(\frac{dBm}{500 kHz}\right)$	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	-4.48	-4.31	-1.38	28.64	28.64	-30.02	-30.02
159	5795	-4.54	-4.59	-1.55	28.64	28.64	-30.19	-30.19

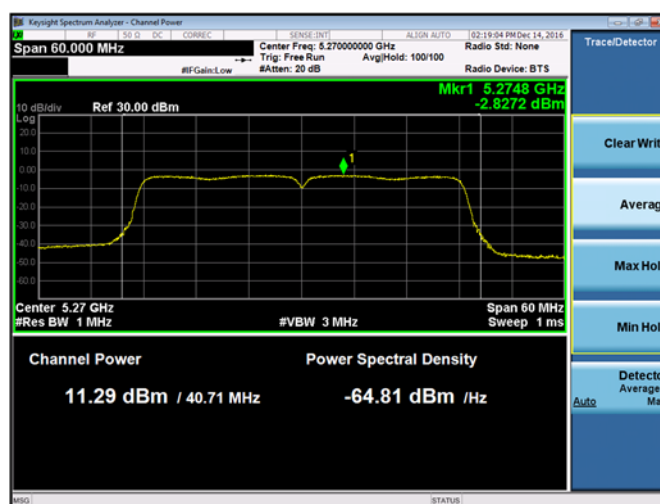




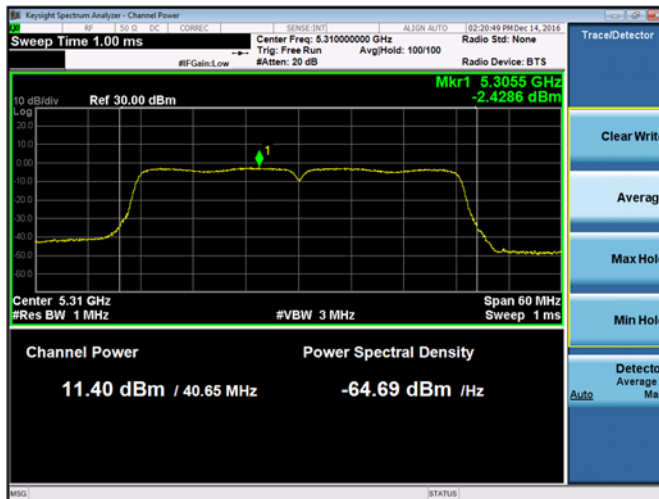
Plot 9-207. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 38)



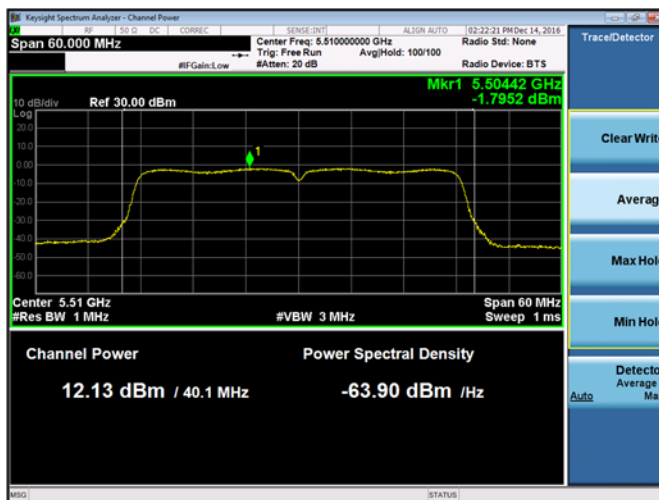
Plot 9-208. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 46)



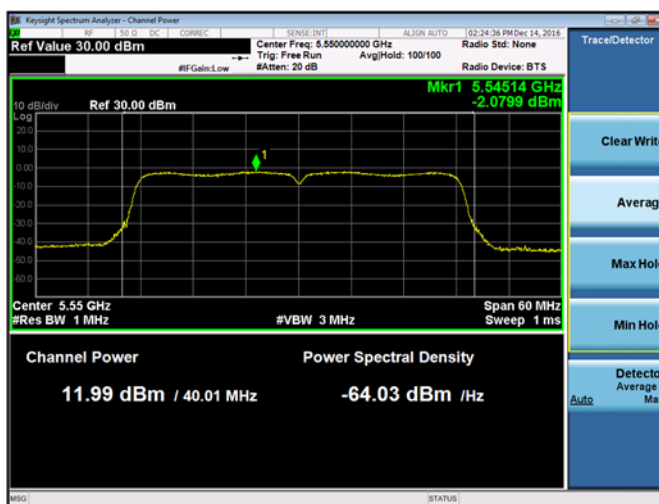
Plot 9-209. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 54)



Plot 9-210. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 62)



Plot 9-211. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 102)



Plot 9-212. Maximum Conducted Output Power and PSD Chain A 802.11n HT40 (Ch. 110)