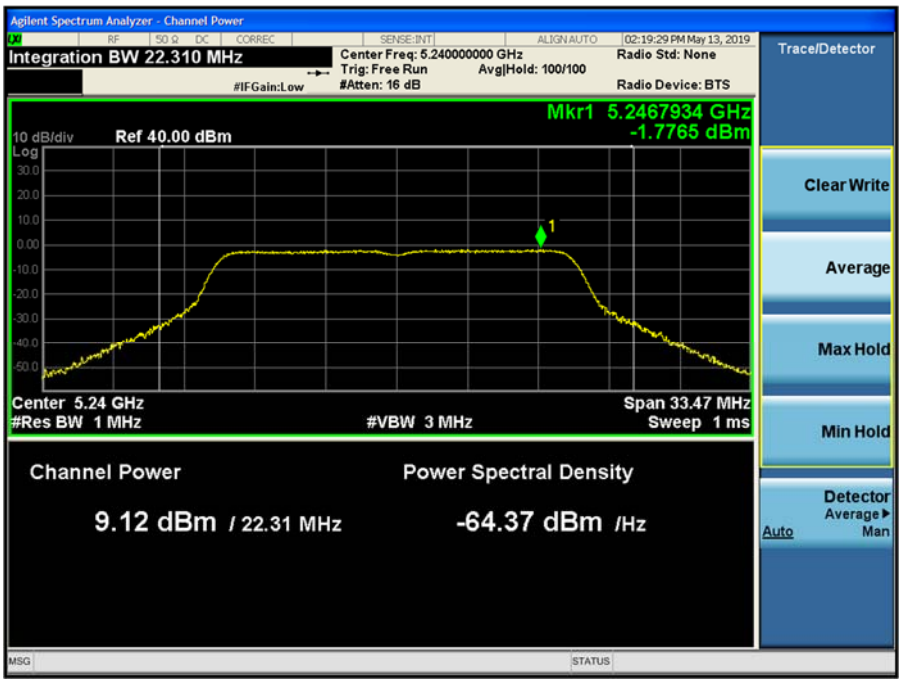
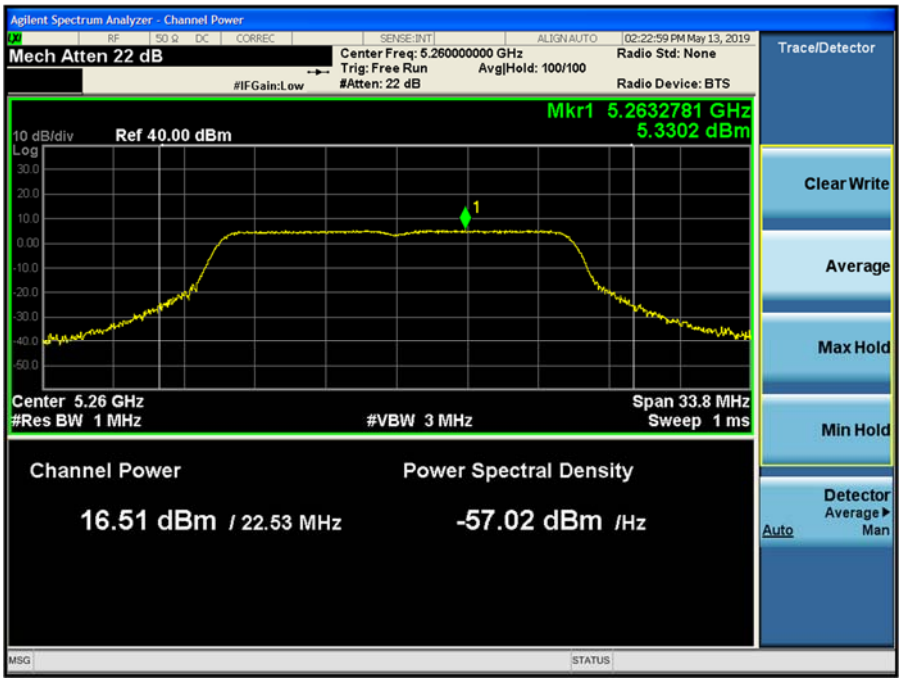
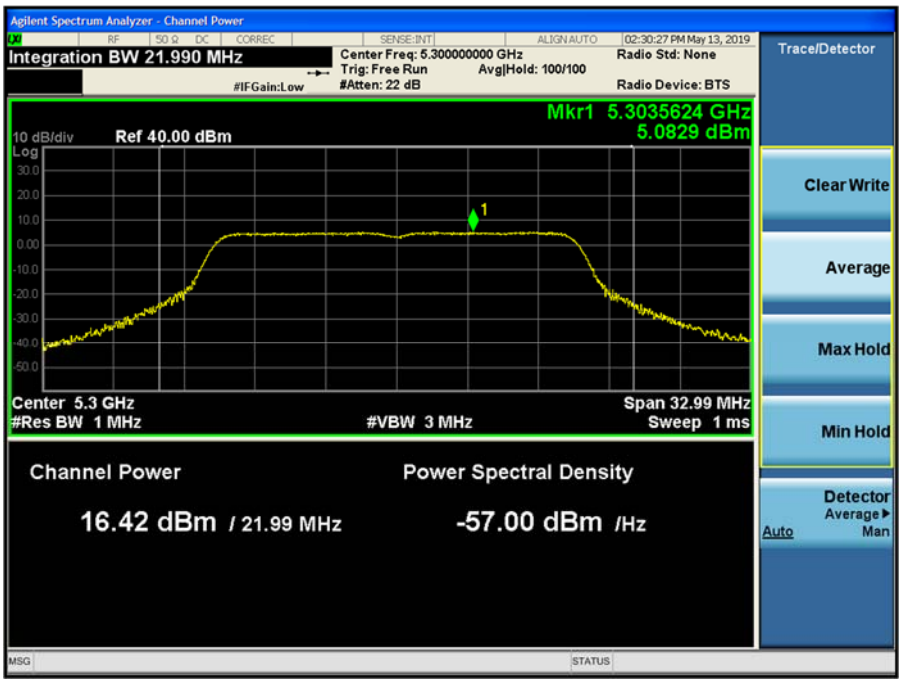


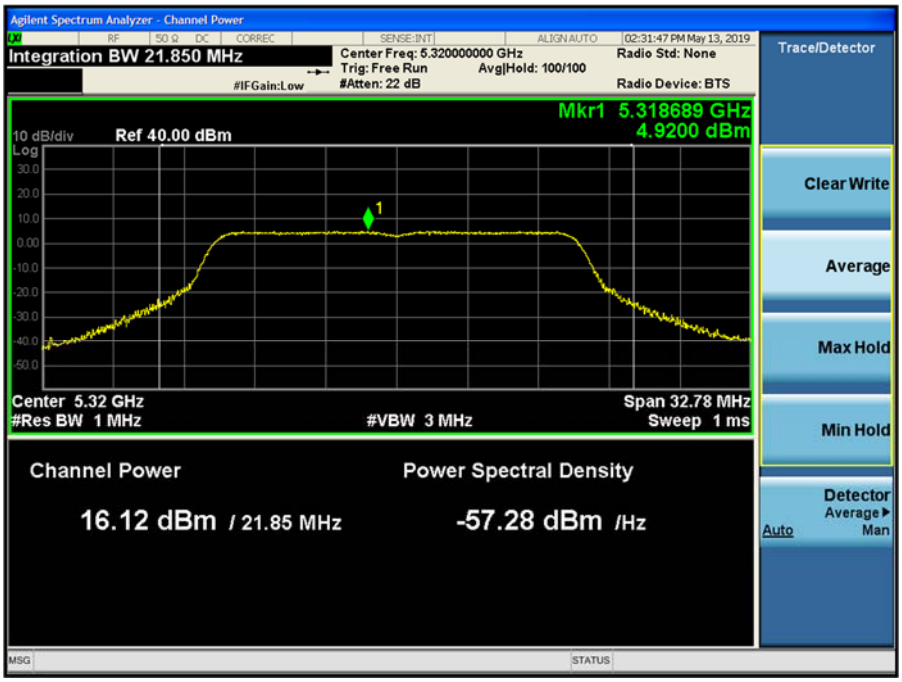

**Plot 9-185. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 48)**



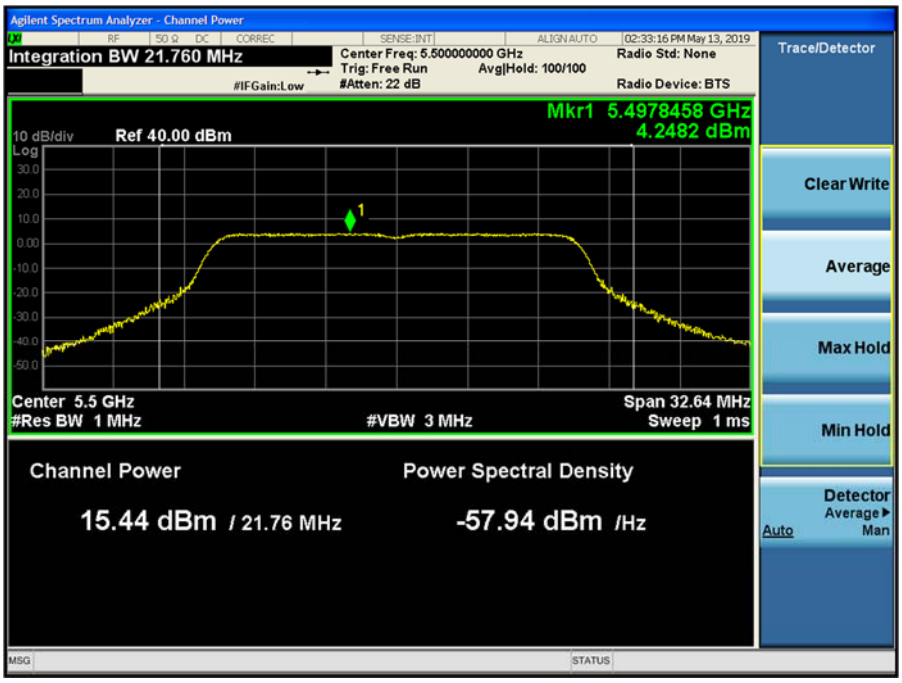

**Plot 9-186. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 52)**



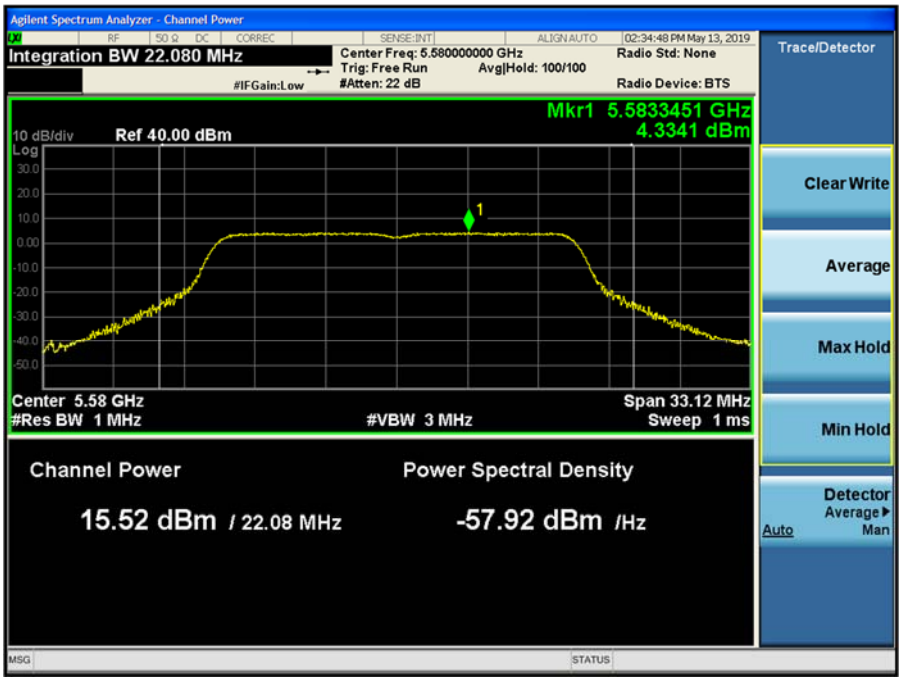

**Plot 9-187. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 60)**



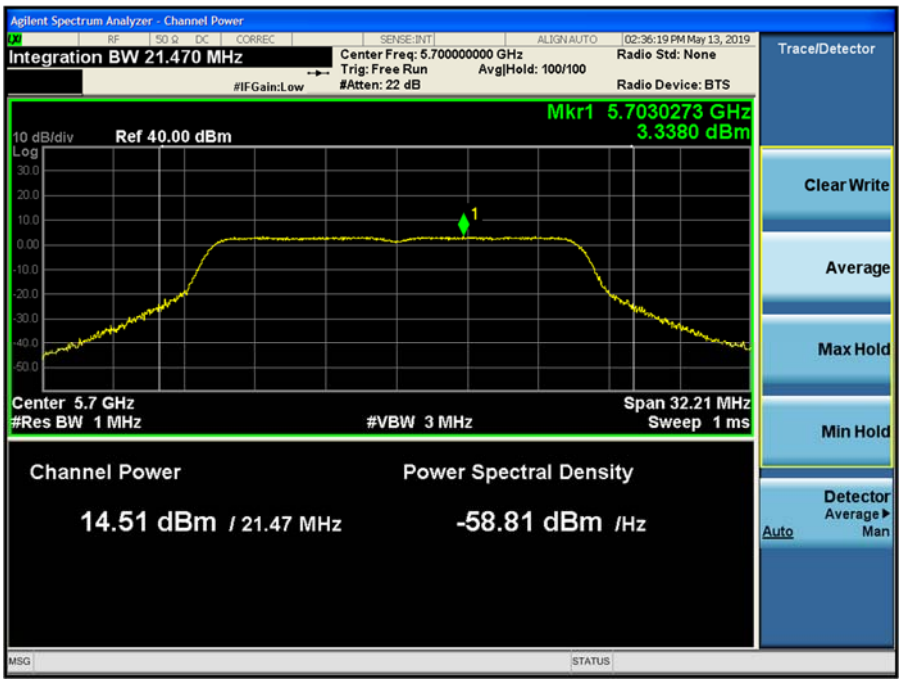

**Plot 9-188. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 64)**



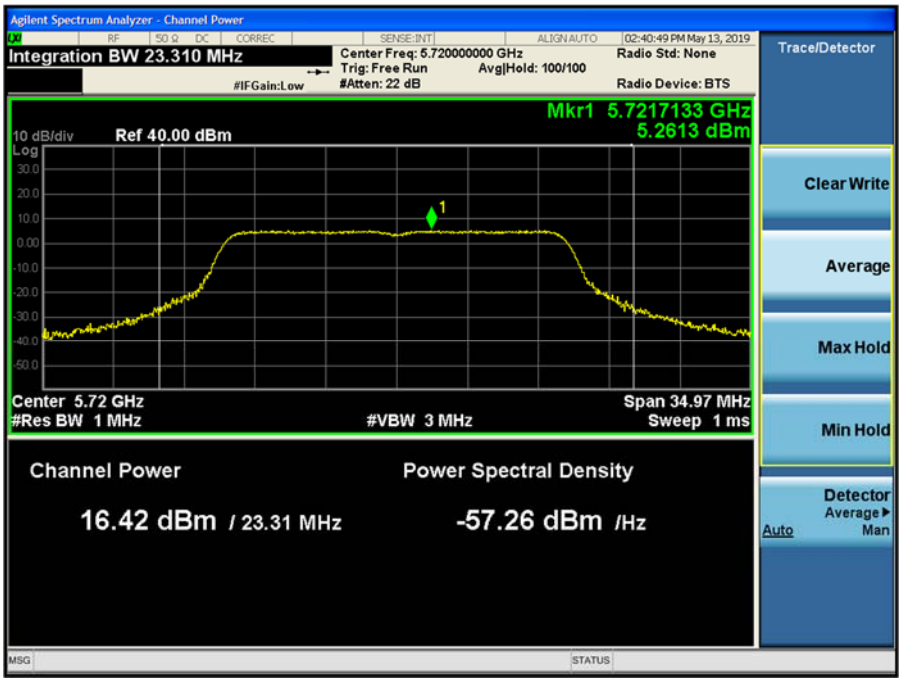

**Plot 9-189. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 100)**



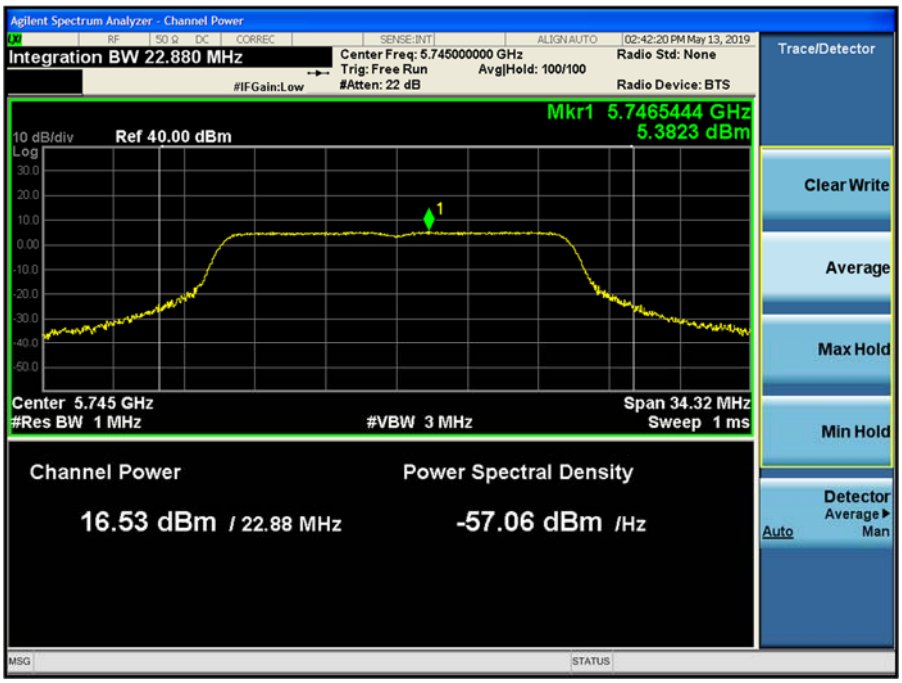

**Plot 9-190. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 116)**



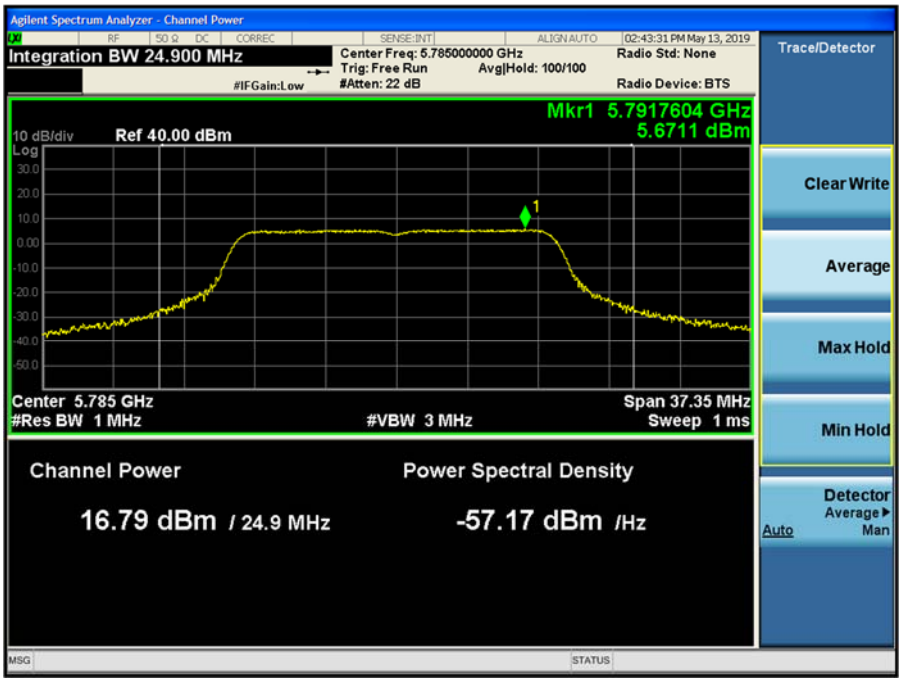

**Plot 9-191. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 140)**



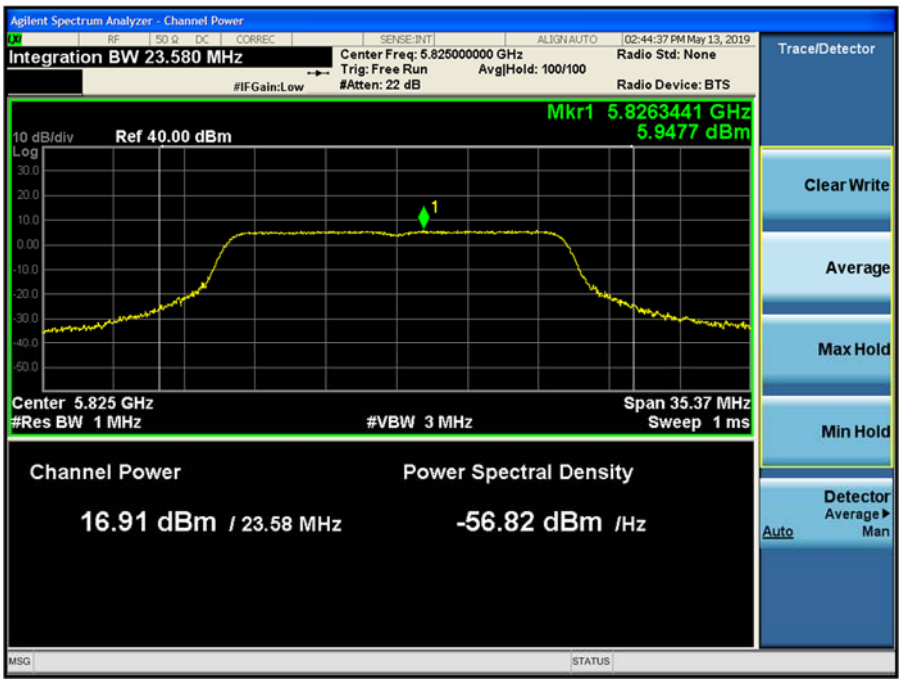

**Plot 9-192. Maximum Conducted Output Power and PSD Chain 0 802.11a (Ch. 144)**



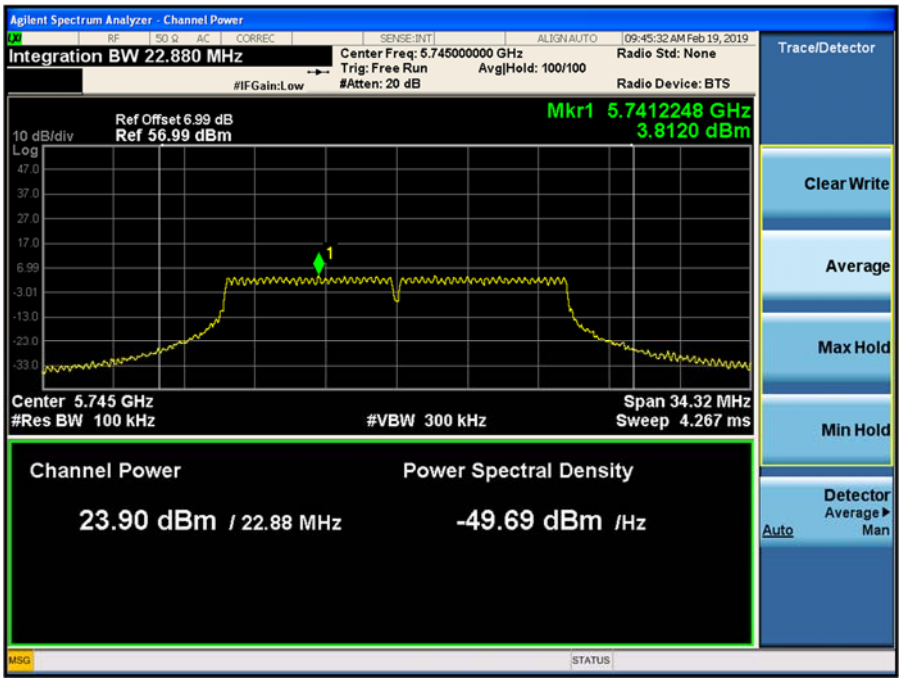

**Plot 9-193. Maximum Conducted Output Power Chain 0 802.11a (Ch. 149)**



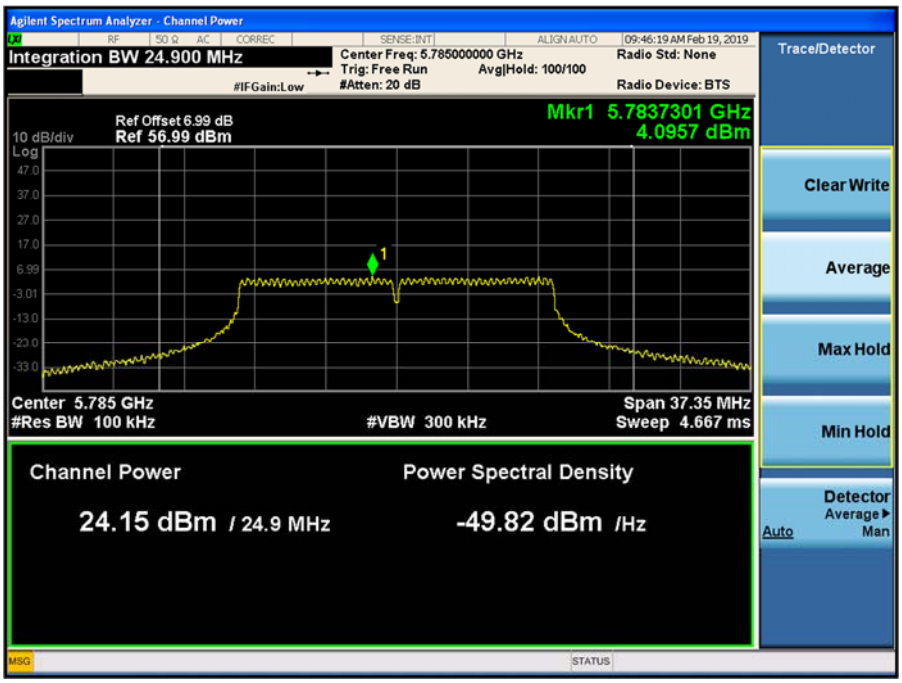

**Plot 9-194. Maximum Conducted Output Power Chain 0 802.11a (Ch. 157)**



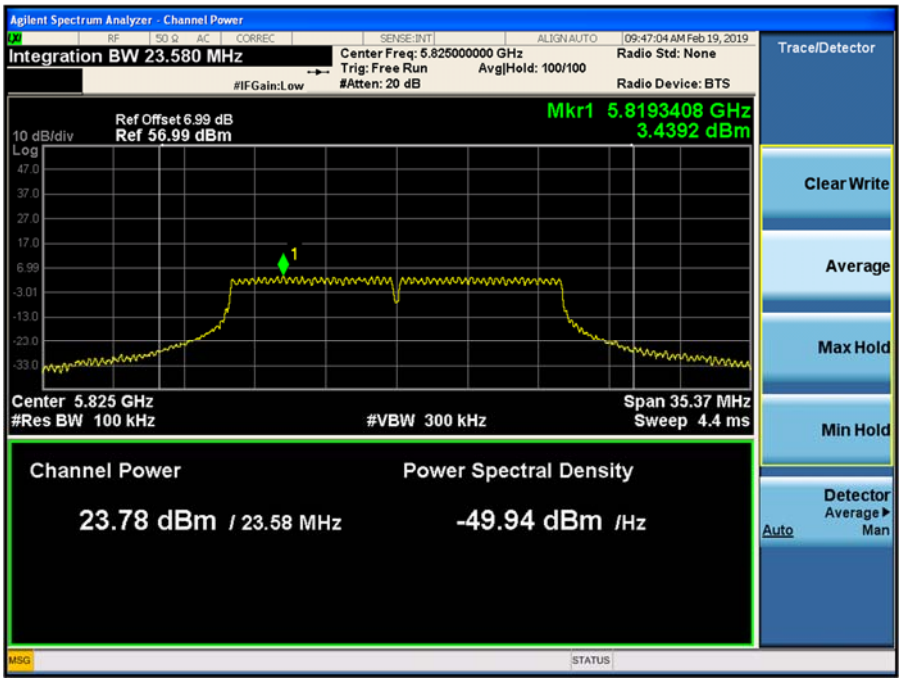

**Plot 9-195. Maximum Conducted Output Power Chain 0 802.11a (Ch. 165)**



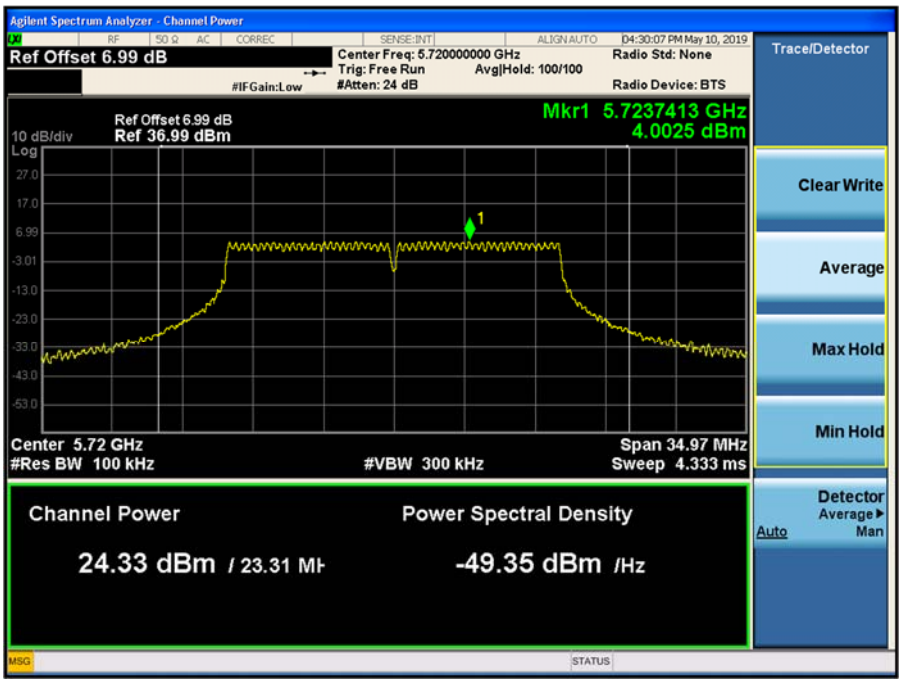

**Plot 9-196. Maximum Power Spectral Density Chain 0 802.11a (Ch. 149)**



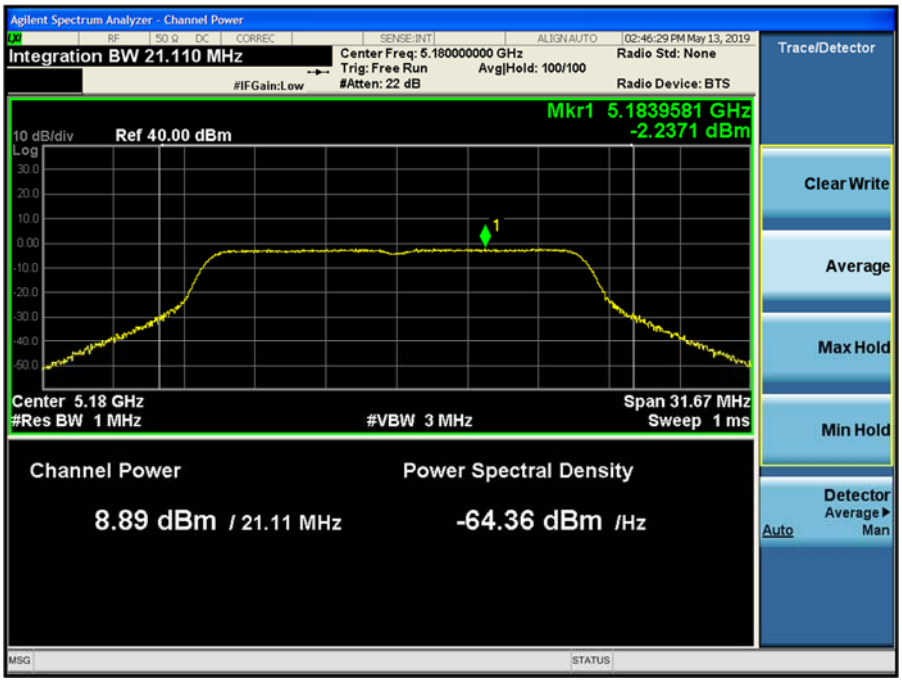

**Plot 9-197. Maximum Power Spectral Density Chain 0 802.11a (Ch. 157)**



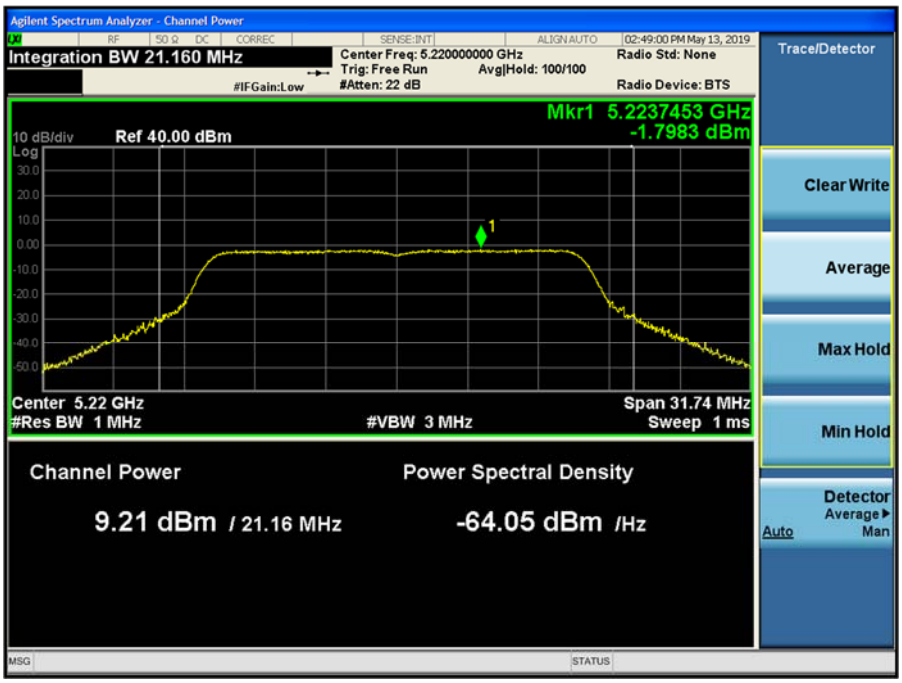

**Plot 9-198. Maximum Power Spectral Density Chain 0 802.11a (Ch. 165)**



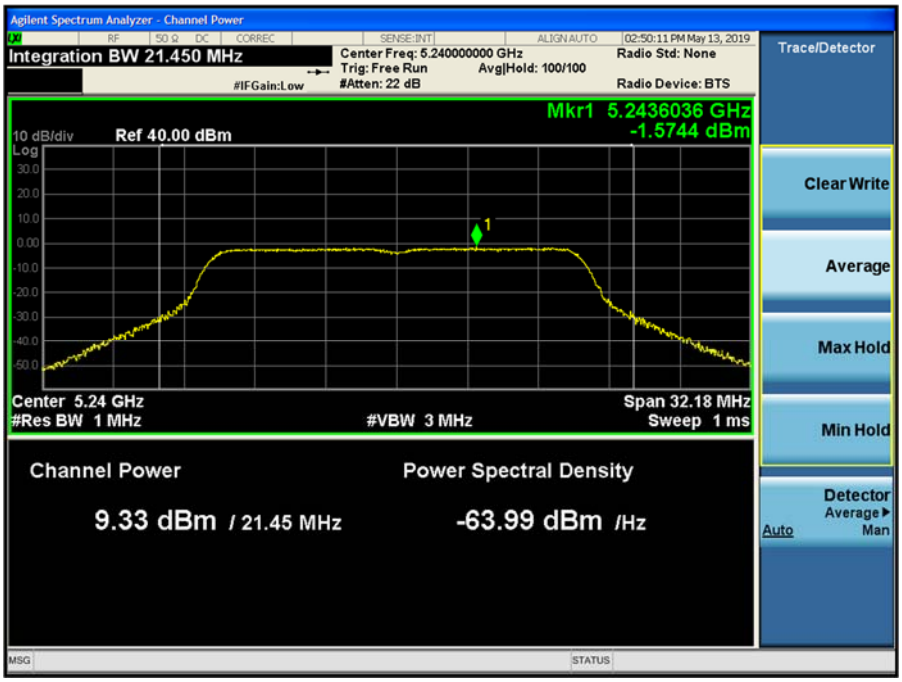

**Plot 9-199. Maximum Power Spectral Density Chain 0 802.11a (Ch. 144)**



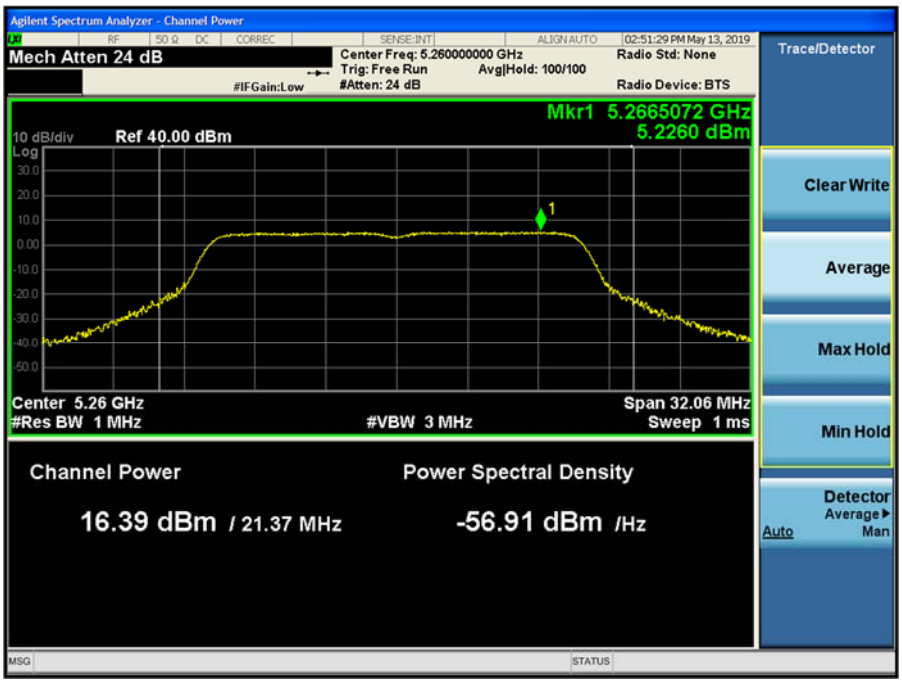

**Plot 9-200. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 36)**



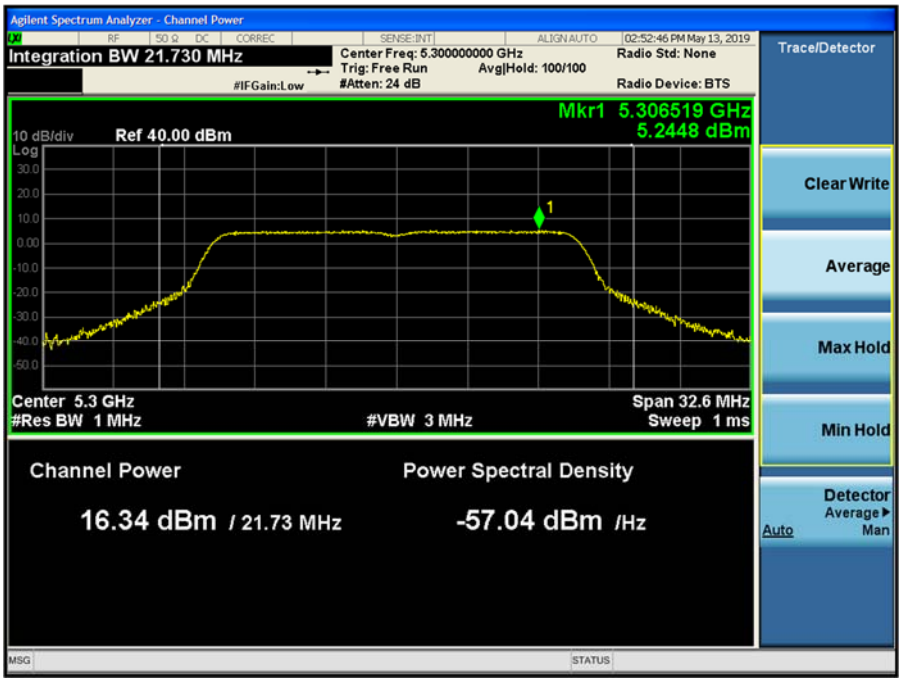

**Plot 9-201. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 44)**



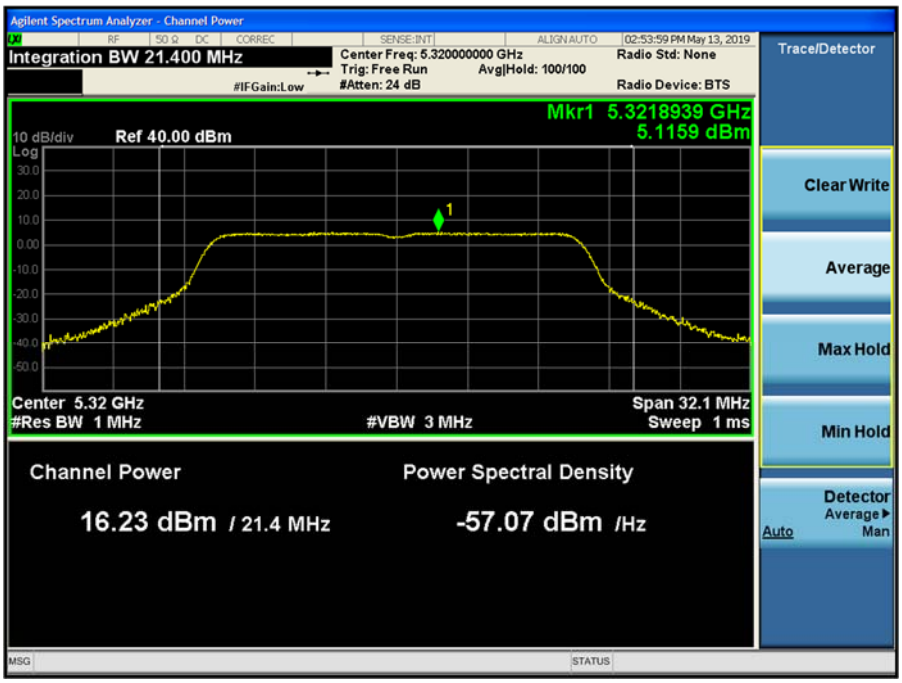

**Plot 9-202. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 48)**



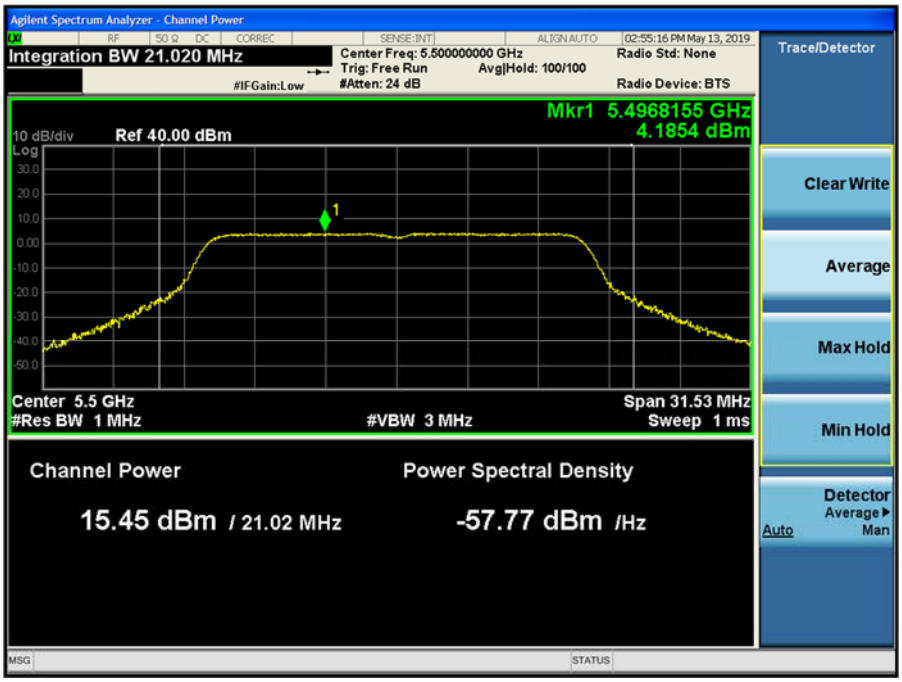

**Plot 9-203. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 52)**



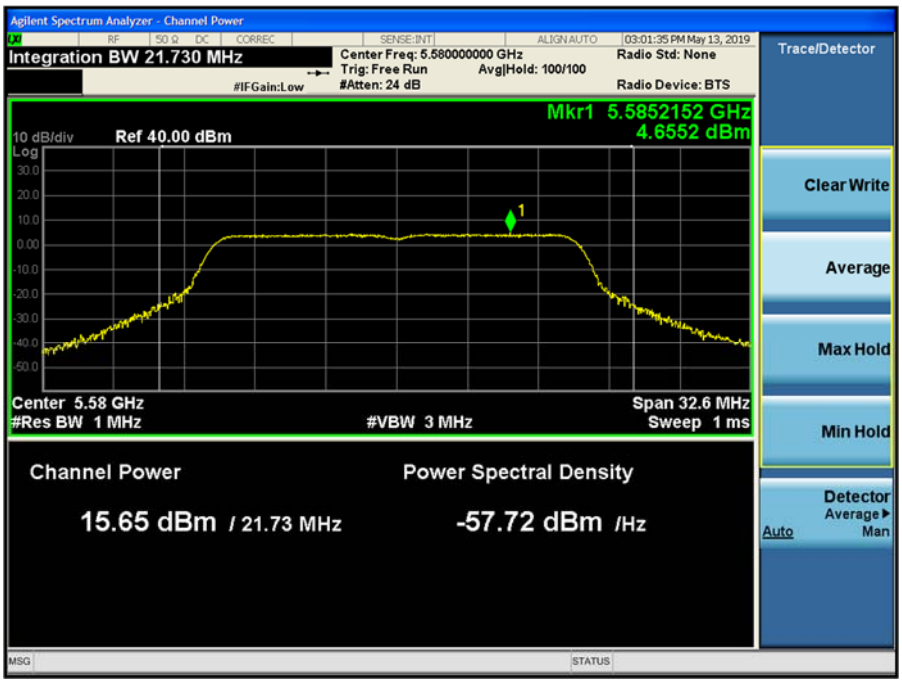

**Plot 9-204. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 60)**



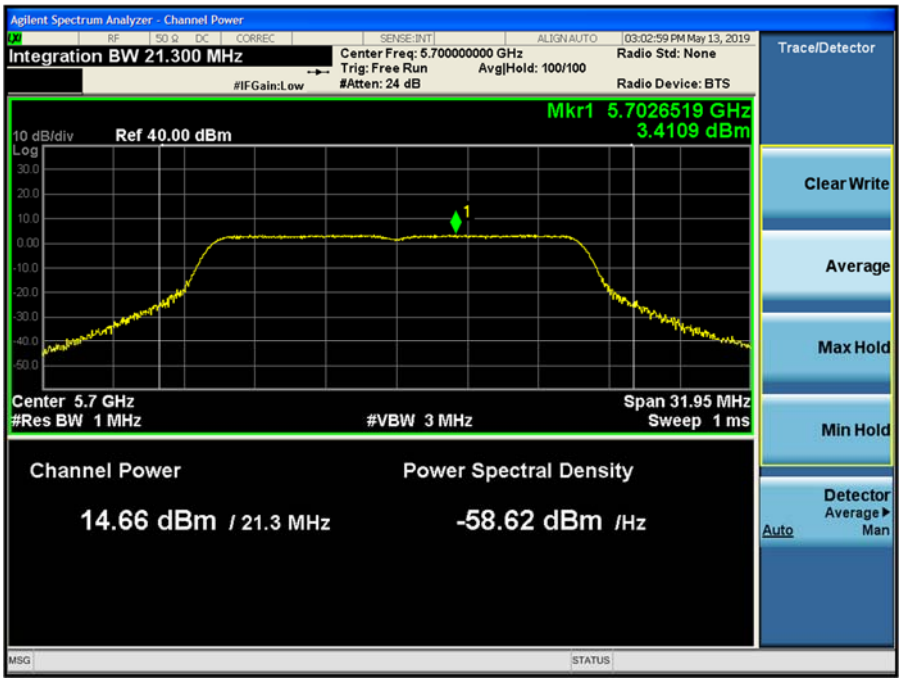

**Plot 9-205. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 64)**



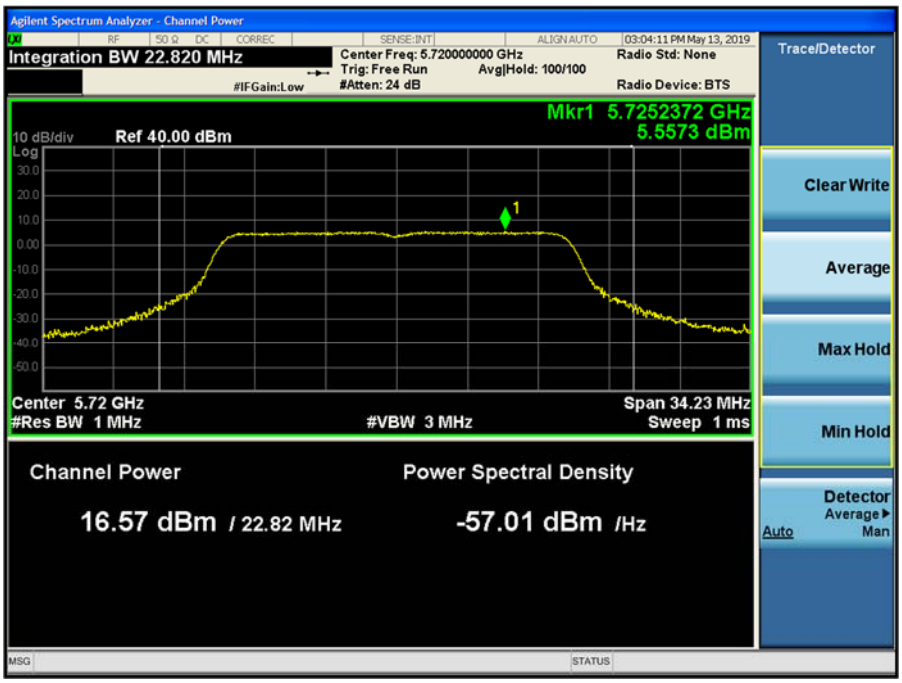

**Plot 9-206. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 100)**



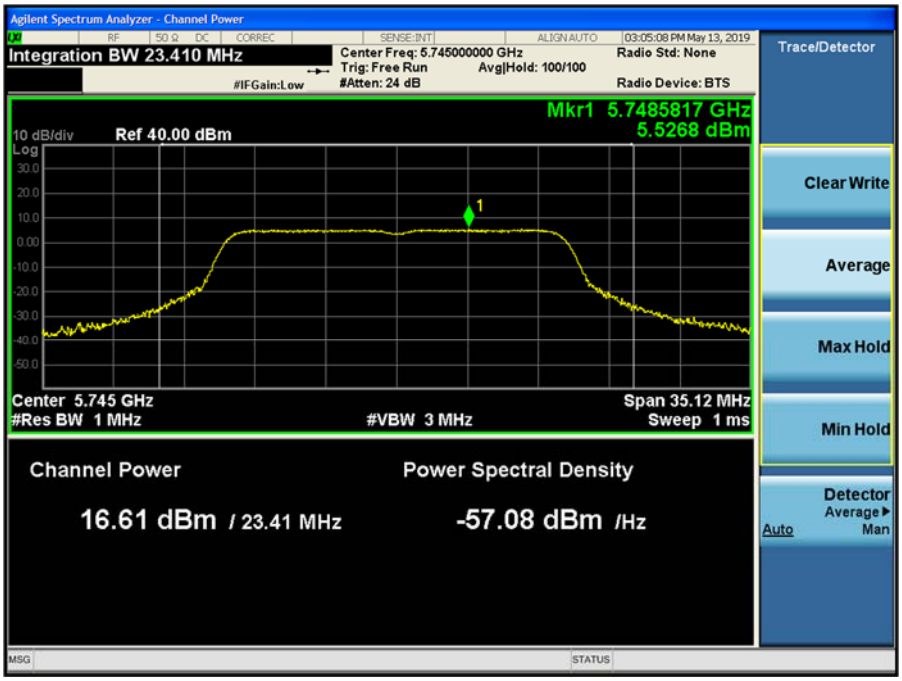

**Plot 9-207. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 116)**



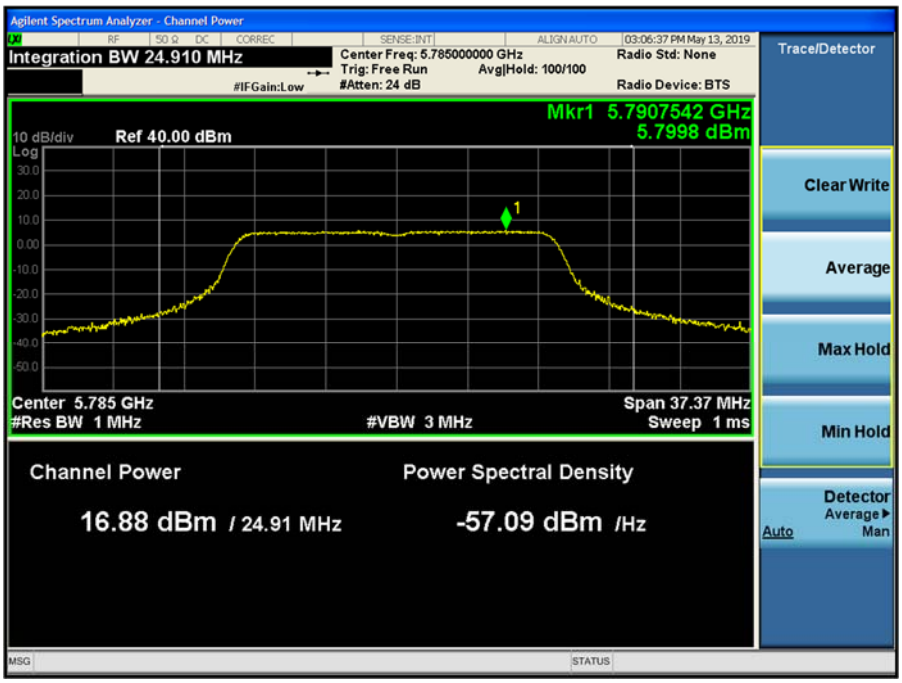

**Plot 9-208. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 140)**



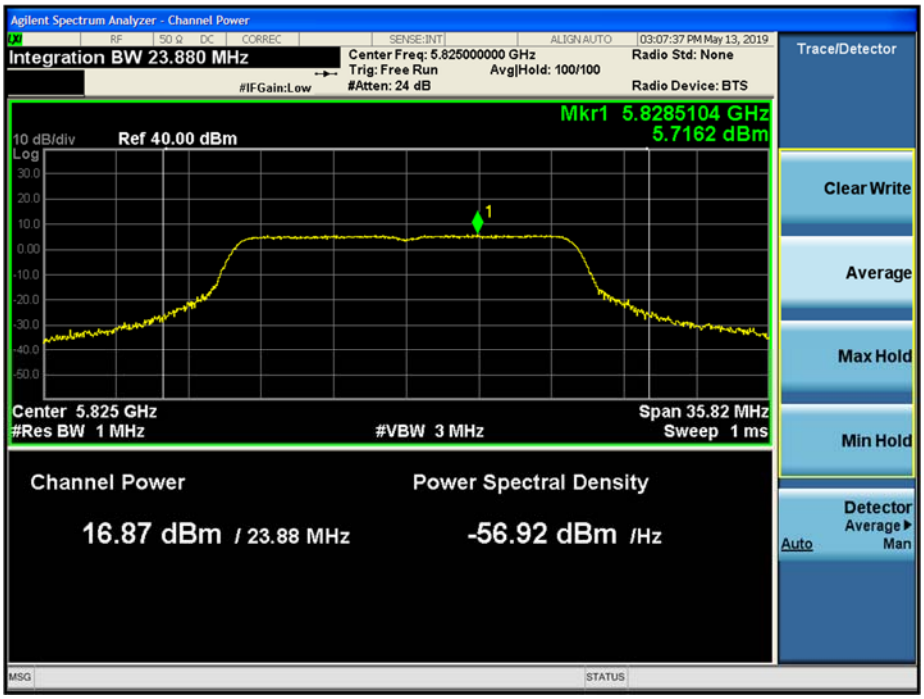

**Plot 9-209. Maximum Conducted Output Power and PSD Chain 1 802.11a (Ch. 144)**



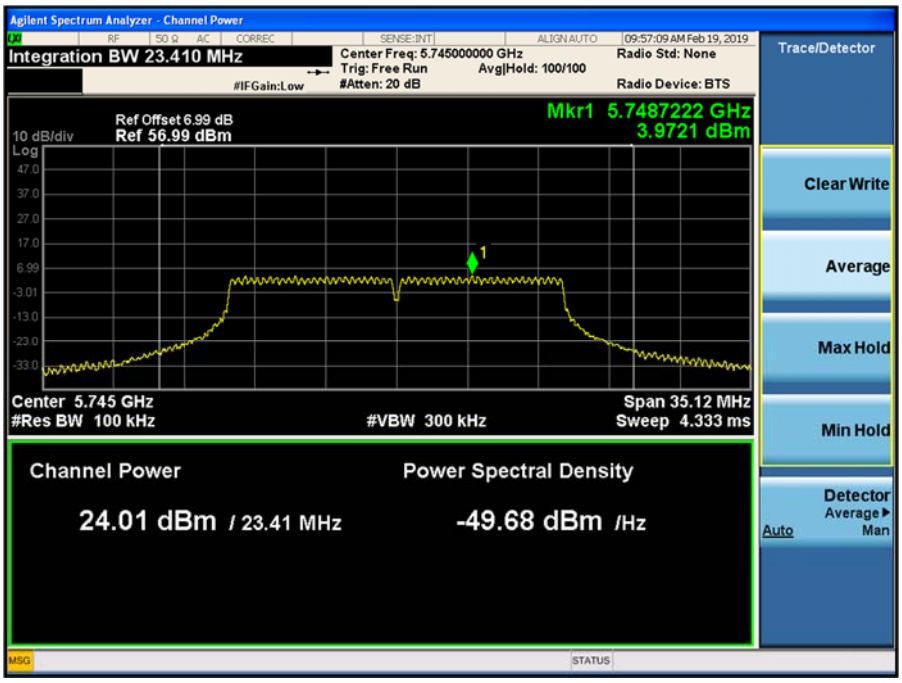

**Plot 9-210. Maximum Conducted Output Power Chain 1 802.11a (Ch. 149)**



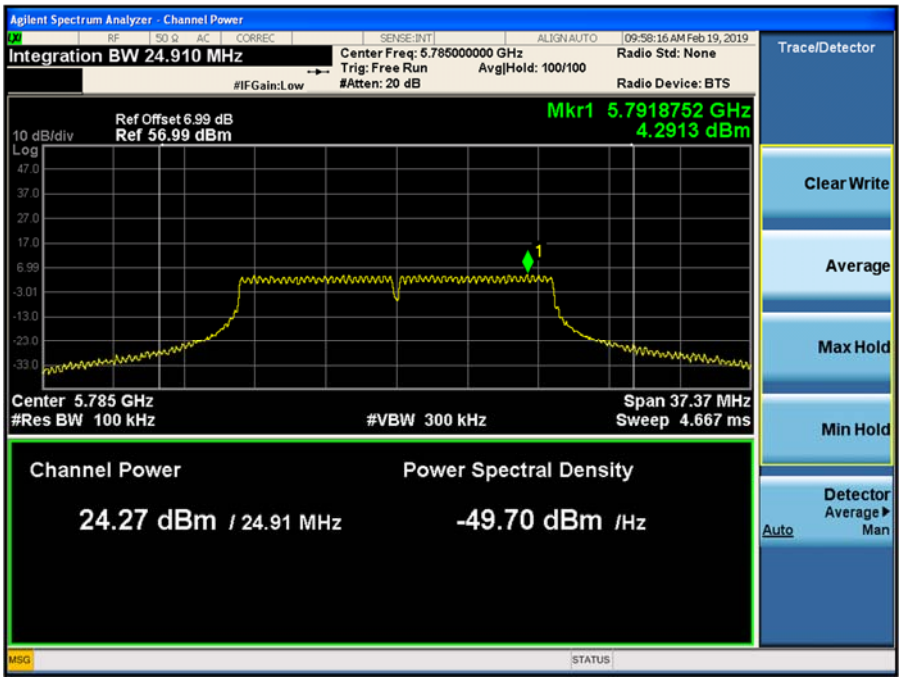

**Plot 9-211. Maximum Conducted Output Power Chain 1 802.11a (Ch. 157)**



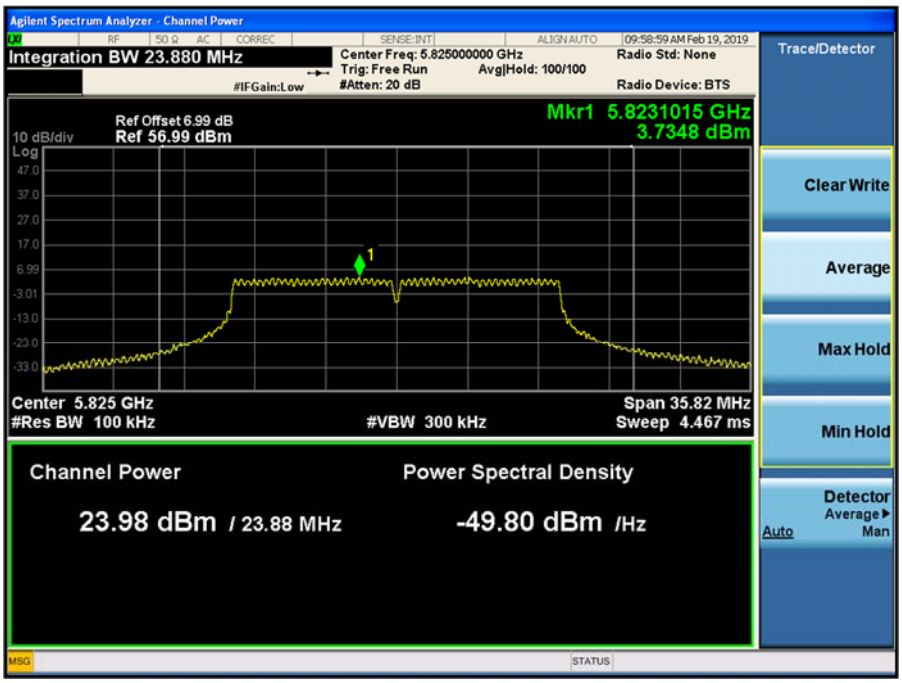

**Plot 9-212. Maximum Conducted Output Power Chain 1 802.11a (Ch. 165)**



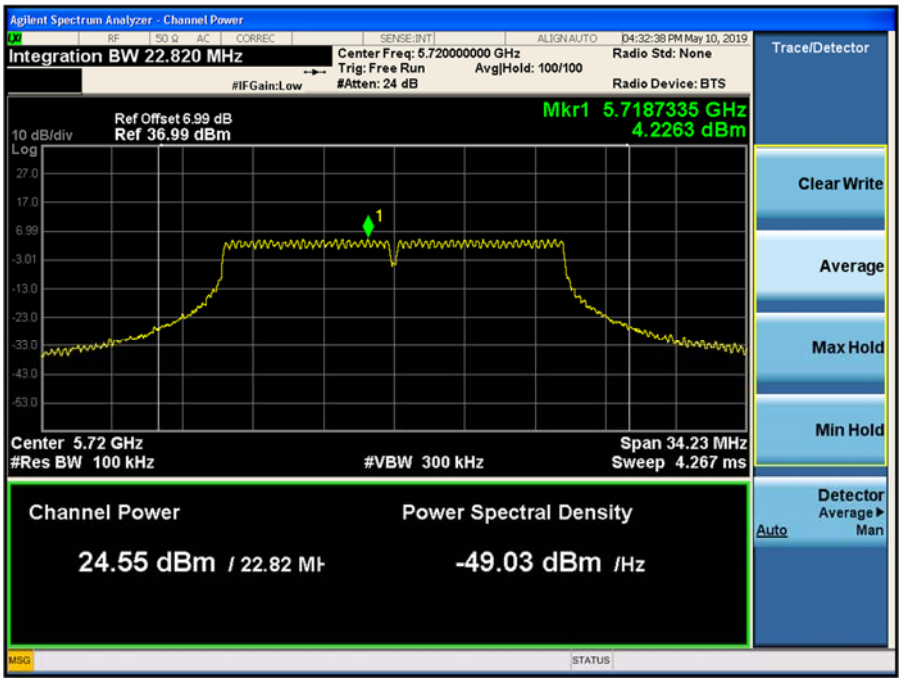

**Plot 9-213. Maximum Power Spectral Density Chain 1 802.11a (Ch. 149)**




**Plot 9-214. Maximum Power Spectral Density Chain 1 802.11a (Ch. 157)**




**Plot 9-215. Maximum Power Spectral Density Chain 1 802.11a (Ch. 165)**




**Plot 9-216. Maximum Power Spectral Density Chain 1 802.11a (Ch. 144)**

### *9.6.6.3 Chain 0+1 802.11n HT20 Maximum Conducted Output Power*

| Chain 0+1 802.11n HT20 Maximum Conducted Output Power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Chan. No.** | **Freq. (MHz)** | **Chain 0 (dBm)** | **Chain 1 (dBm)** | **Total Power (dBm)** | **15.407 Limit (dBm)** | **RSS-247 Limit (dBm)** | **15.407 Margin (dB)** | **RSS-247 Margin (dB)** |
| 36 | 5180 | 9.06 | 8.89 | 12.13 | 24.00 | -- | -11.87 | -- |
| 44 | 5220 | 9.13 | 9.15 | 12.29 | 24.00 | -- | 11.71 | -- |
| 48 | 5240 | 9.18 | 9.36 | 12.42 | 24.00 | -- | 11.58 | -- |
| 52 | 5260 | 16.56 | 16.44 | 19.65 | 24.00 | 23.51 | -4.35 | -3.86 |
| 60 | 5300 | 16.62 | 16.29 | 19.61 | 24.00 | 23.52 | -4.39 | 3.91 |
| 64 | 5320 | 16.28 | 16.10 | 19.34 | 24.00 | 23.52 | -4.66 | -4.18 |
| 100 | 5500 | 15.43 | 15.13 | 18.43 | 24.00 | 23.51 | -5.57 | -5.08 |
| 116 | 5580 | 15.64 | 15.40 | 18.67 | 24.00 | 23.52 | -5.33 | -4.85 |
| 140 | 5700 | 14.49 | 14.58 | 17.69 | 24.00 | 23.51 | -6.31 | -5.83 |
| 144 | 5720 | 16.37 | 16.37 | 19.52 | 24.00 | 23.52 | -4.48 | -4.00 |
| 149 | 5745 | 16.45 | 16.45 | 19.60 | 30.00 | 30.00 | -10.40 | -10.40 |
| 157 | 5785 | 16.67 | 16.82 | 19.90 | 30.00 | 30.00 | -10.10 | -10.10 |
| 165 | 5825 | 16.90 | 16.78 | 19.99 | 30.00 | 30.00 | -10.01 | -10.01 |

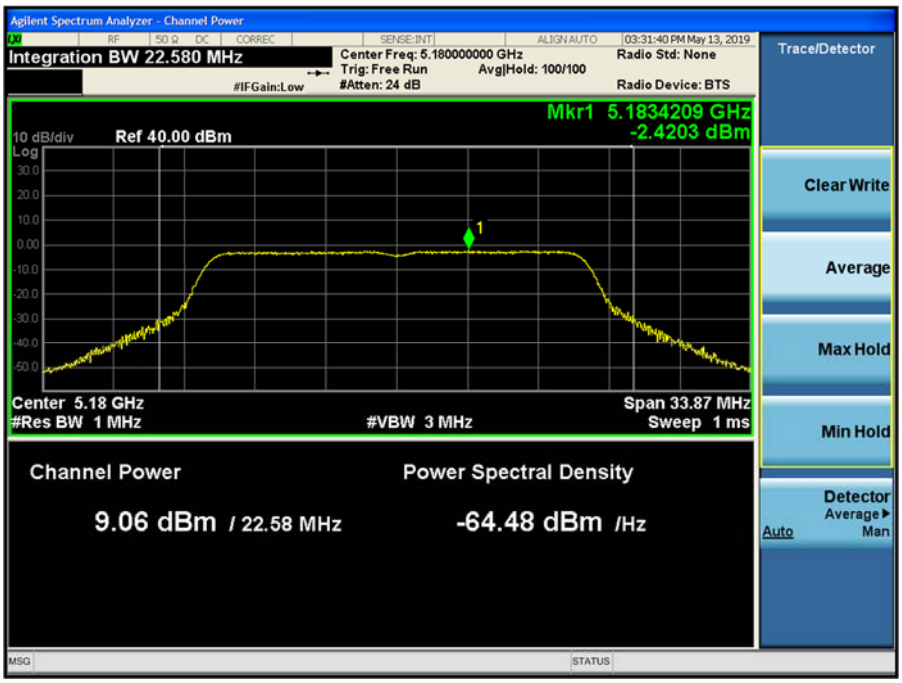
| Chain 0+1 802.11n HT20 E.I.R.P | | | | | | |
|---|---|---|---|---|---|---|
| **Channel No.** | **Frequency (MHz)** | **Total Power (dBm)** | **Antenna Gain (dBi)** | **E.I.R.P (dBm)** | **RSS-247 E.I.R.P Limit (dBm)** | **RSS-247 E.I.R.P. Margin (dB)** |
| 36 | 5180 | 12.13 | 5.06 | 17.18 | 22.52 | -5.34 |
| 44 | 5220 | 12.29 | 5.06 | 17.35 | 22.51 | -5.17 |
| 48 | 5240 | 12.42 | 5.06 | 17.48 | 22.51 | -5.04 |
| 52 | 5260 | 19.65 | 5.23 | 24.88 | 29.51 | -4.63 |
| 60 | 5300 | 19.61 | 5.23 | 24.84 | 29.52 | -4.68 |
| 64 | 5320 | 19.34 | 5.23 | 24.57 | 29.52 | -4.95 |
| 100 | 5500 | 18.43 | 5.96 | 24.39 | 29.51 | -5.12 |
| 116 | 5580 | 18.67 | 5.96 | 24.63 | 29.52 | -4.89 |
| 140 | 5700 | 17.69 | 5.96 | 23.64 | 29.51 | -5.87 |
| 144 | 5720 | 19.52 | 5.96 | 25.48 | 29.52 | -4.05 |
| 149 | 5745 | 19.60 | 3.10 | 22.70 | -- | -- |
| 157 | 5785 | 19.90 | 3.10 | 23.00 | -- | -- |
| 165 | 5825 | 19.99 | 3.10 | 23.09 | -- | -- |

### 9.6.6.4 Chain 0+1 802.11n HT20 Maximum Power Spectral Density

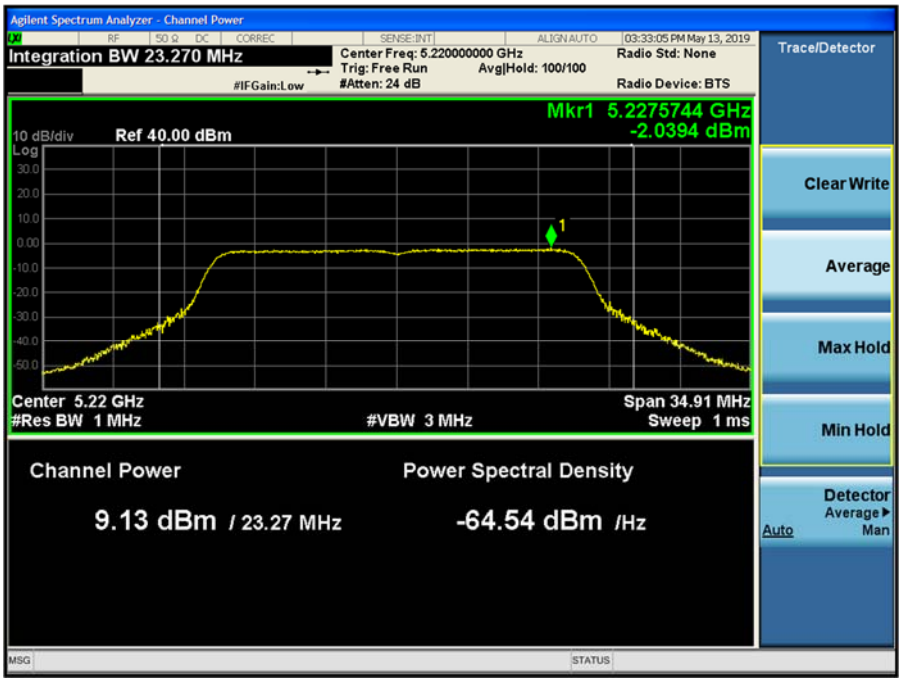
| UNII-1 Chain 0+1 802.11n HT20 Maximum Power Spectral Density/MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Chan. No. | Freq. (MHz) | Chain 0 (dBm) | Chain 1 (dBm) | Total PSD $(\frac{dBm}{MHz})$ | Total Ant. Gain (dBi) | Total EIRP PSD $(\frac{dBm}{MHz})$ | 15.407 Limit $(\frac{dBm}{MHz})$ | RSS-247 EIRP PSD Limit $(\frac{dBm}{MHz})$ | 15.407 Margin (dB) | RSS-247 Margin (dB) |
| 36 | 5180 | -2.42 | -2.54 | 0.67 | 8.04 | 8.71 | 8.96 | 10.00 | -8.29 | -1.29 |
| 44 | 5220 | -2.04 | -2.13 | 1.07 | 8.04 | 9.10 | 8.96 | 10.00 | -7.90 | -0.90 |
| 48 | 5240 | -1.91 | -2.14 | 1.13 | 8.04 | 9.16 | 8.96 | 10.00 | -7.84 | -0.84 |

| UNII-2A and UNII-2C Chain 0+1 802.11n HT20 Maximum Power Spectral Density/MHz | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Chain 0 (dBm) | Chain 1 (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 | 5.18 | 5.13 | 8.31 | 8.80 | 11.00 | -0.49 | -2.69 |
| 60 | 5300 | 5.28 | 4.89 | 8.24 | 8.80 | 11.00 | -0.56 | -2.76 |
| 64 | 5320 | 4.54 | 4.21 | 7.53 | 8.80 | 11.00 | -1.27 | -3.47 |
| 100 | 5500 | 3.99 | 3.68 | 6.99 | 8.06 | 11.00 | -1.07 | -4.01 |
| 116 | 5580 | 4.19 | 4.02 | 7.25 | 8.06 | 11.00 | -0.81 | -3.75 |
| 140 | 5700 | 3.16 | 5.47 | 7.62 | 8.06 | 11.00 | -0.44 | -3.38 |
| 144 | 5720 | 3.89 | 4.19 | 7.19 | 8.06 | 11.00 | -0.87 | -3.81 |

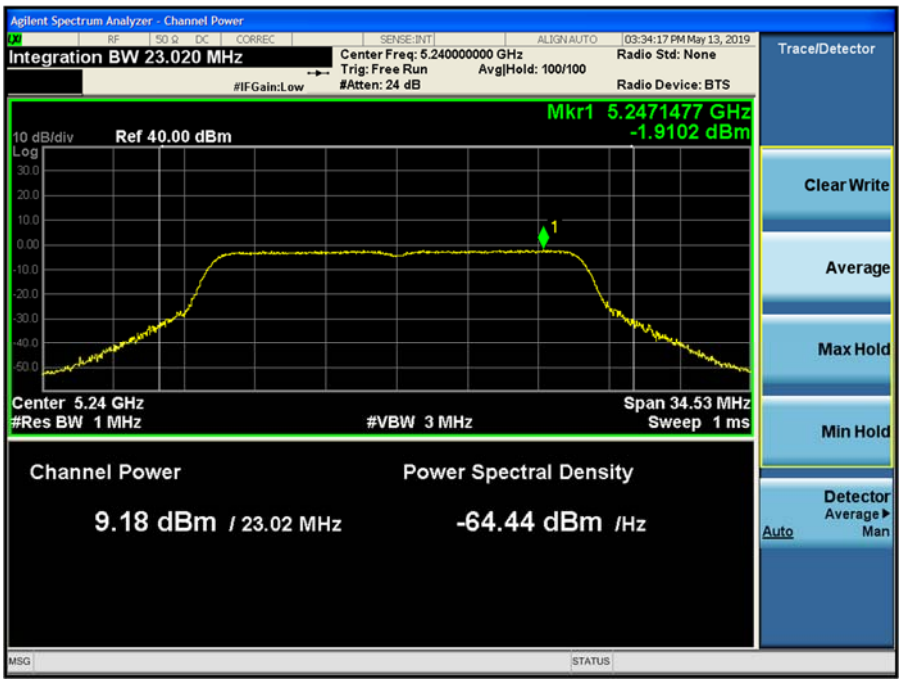
| UNII-3 Chain 0+1 802.11n HT20 Maximum Power Spectral Density/500kHz | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Chan. No. | Freq. (MHz) | Chain 0 (dBm) | Chain 1 (dBm) | Total PSD $(\frac{dBm}{500\ kHz})$ | 15.407 Limit $(\frac{dBm}{500\ kHz})$ | RSS-247 Limit $(\frac{dBm}{500\ kHz})$ | 15.407 Margin (dB) | RSS-247 Margin (dB) |
| 149 | 5745 | 3.34 | 3.71 | 6.68 | 29.89 | 29.89 | -23.21 | -23.21 |
| 157 | 5785 | 3.59 | 4.01 | 6.95 | 29.89 | 29.89 | -22.94 | -22.94 |
| 165 | 5825 | 3.28 | 3.78 | 6.69 | 29.89 | 29.89 | -23.20 | -23.20 |



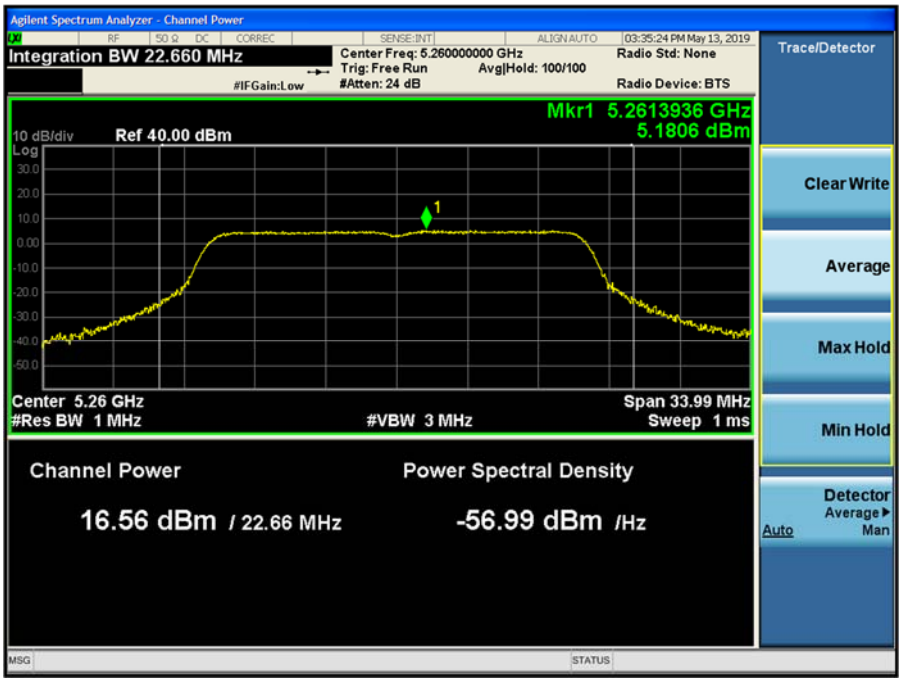

**Plot 9-217. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 36)**



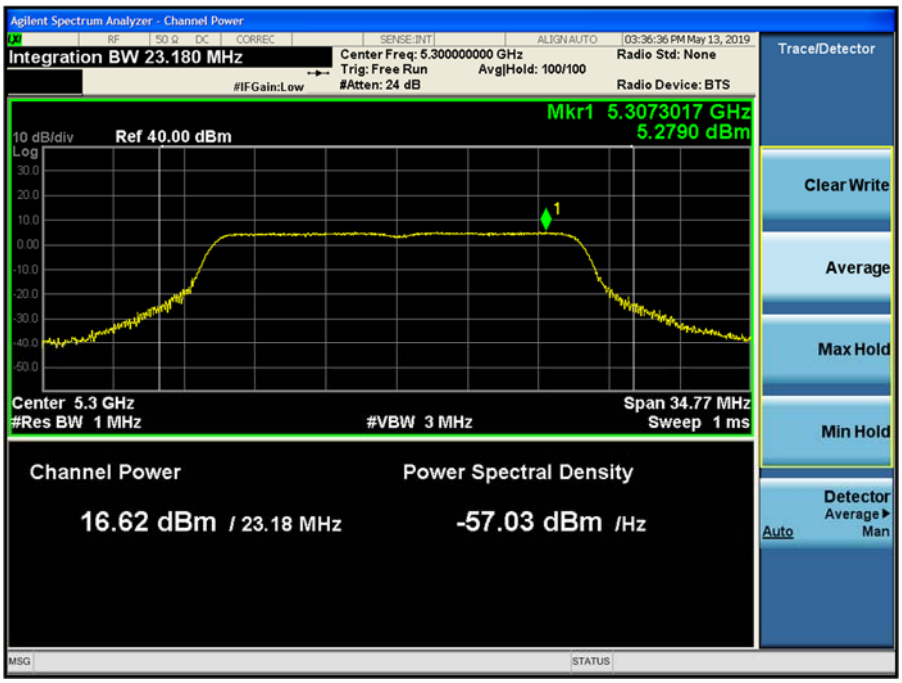

**Plot 9-218. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 44)**



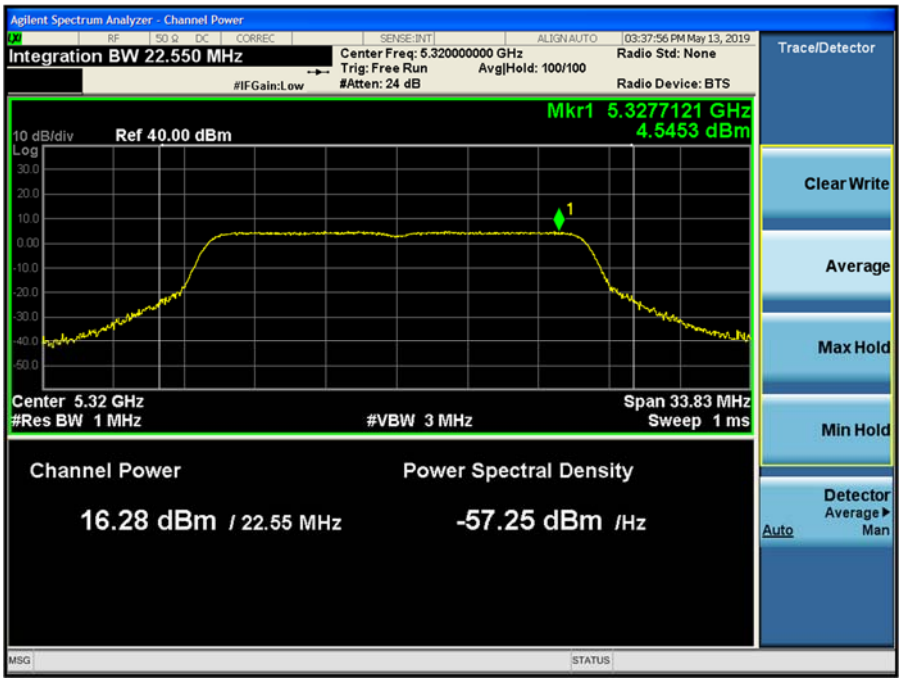

**Plot 9-219. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 48)**



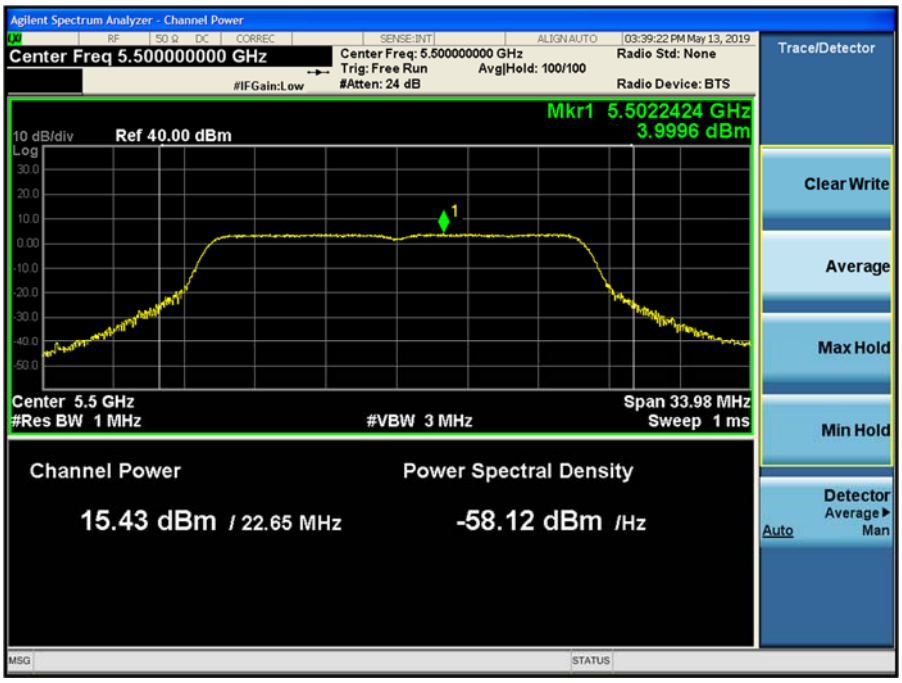

**Plot 9-220. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 52)**



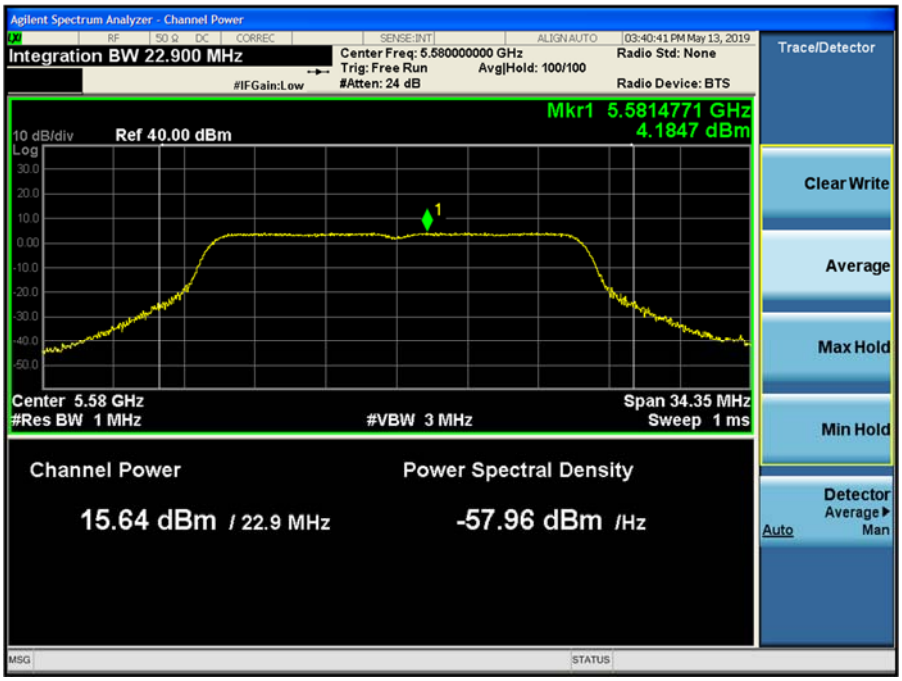

**Plot 9-221. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 60)**



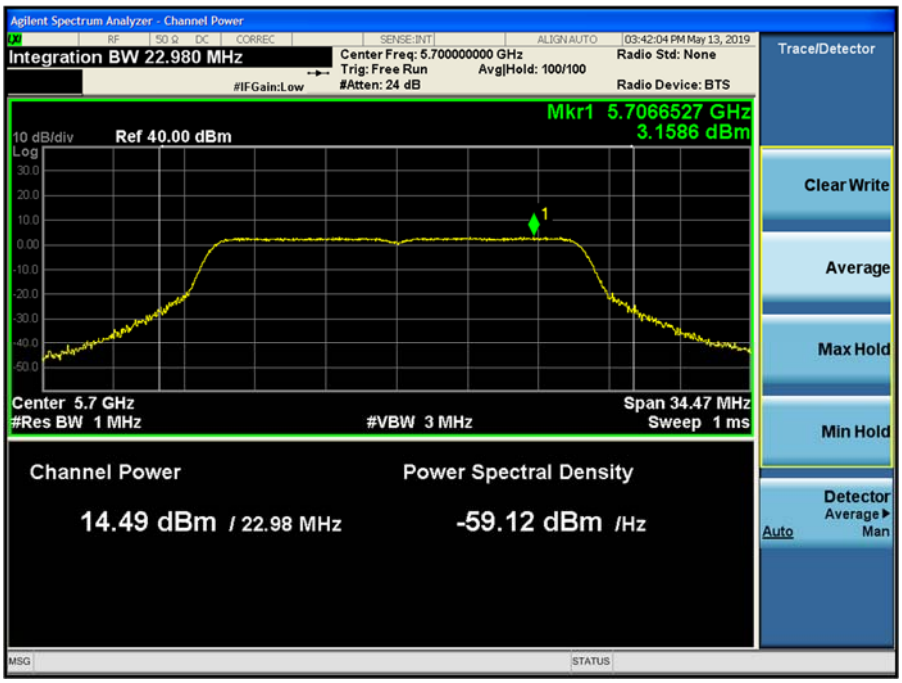

**Plot 9-222. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 64)**



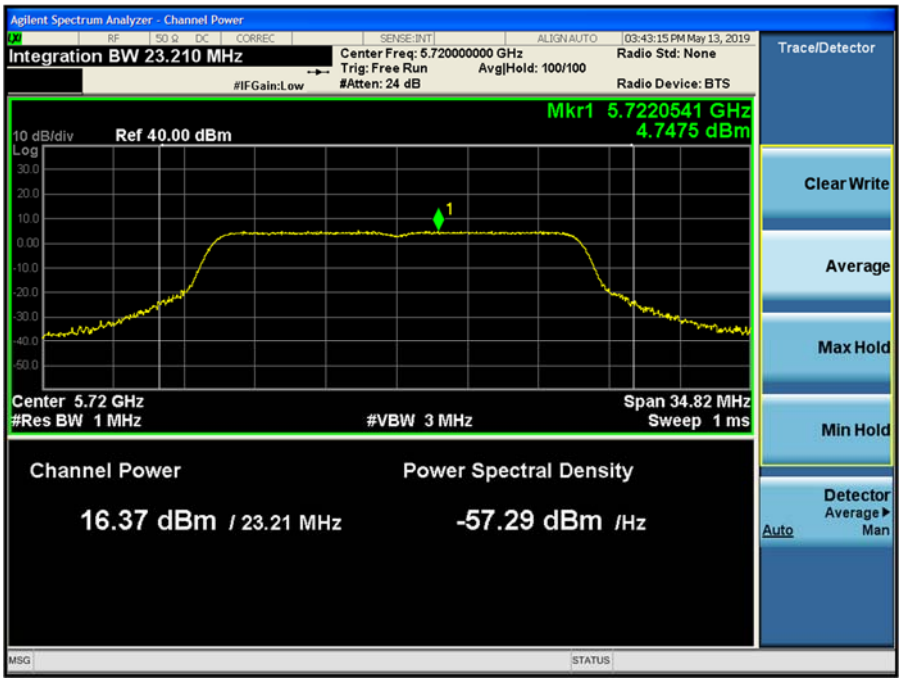

**Plot 9-223. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 100)**



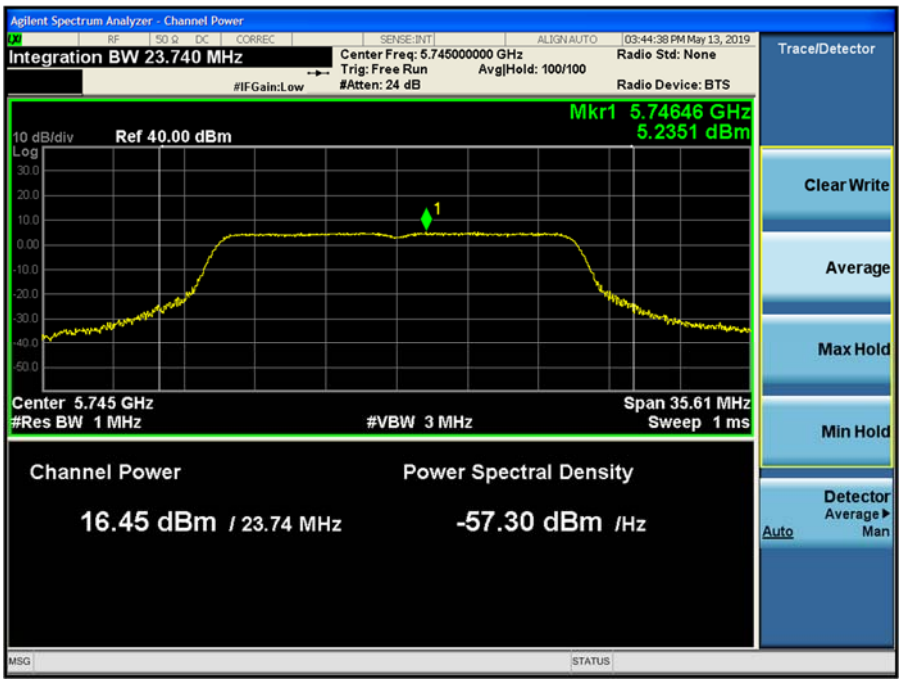

**Plot 9-224. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 116)**



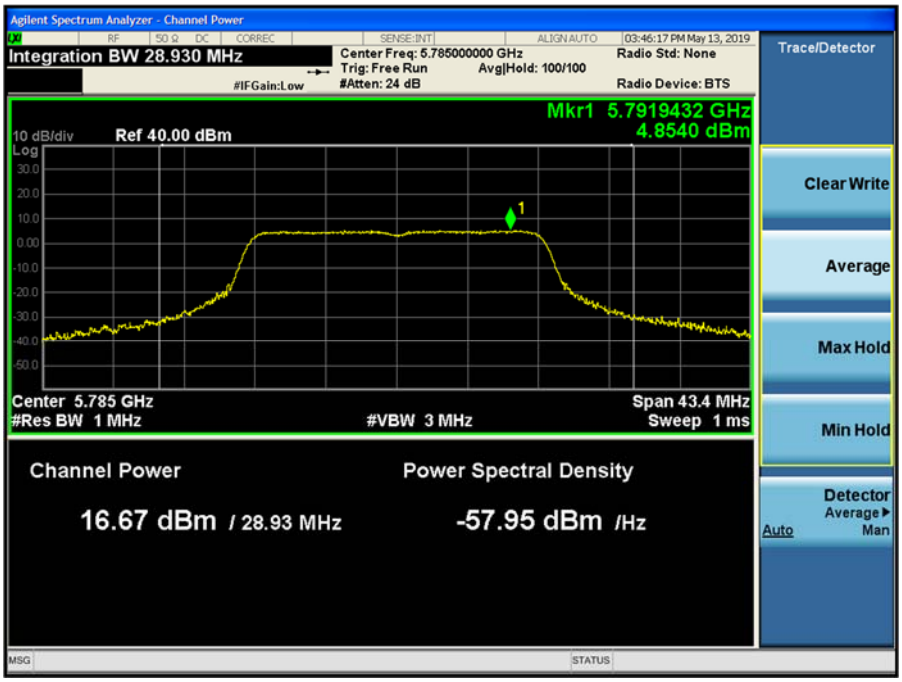

**Plot 9-225. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 140)**



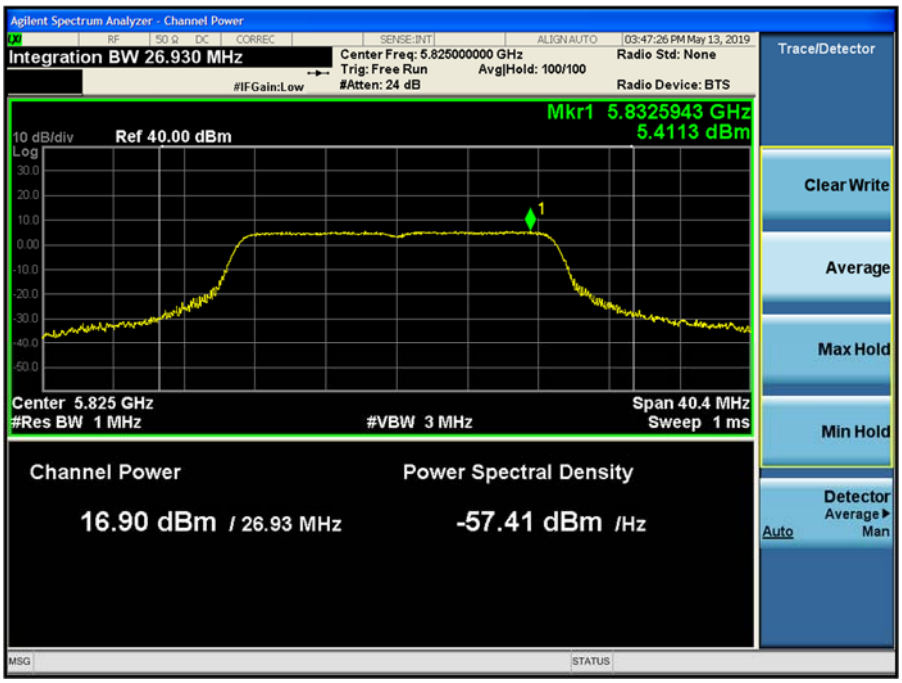

**Plot 9-226. Maximum Conducted Output Power and PSD Chain 0 802.11n HT20 (Ch. 144)**



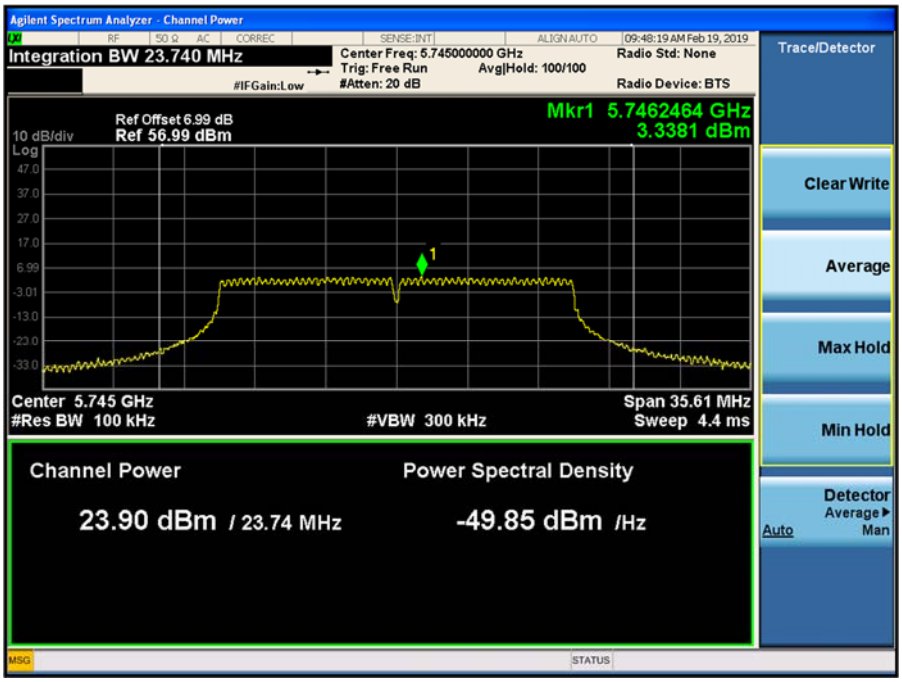

**Plot 9-227. Maximum Conducted Output Power Chain 0 802.11n HT20 (Ch. 149)**



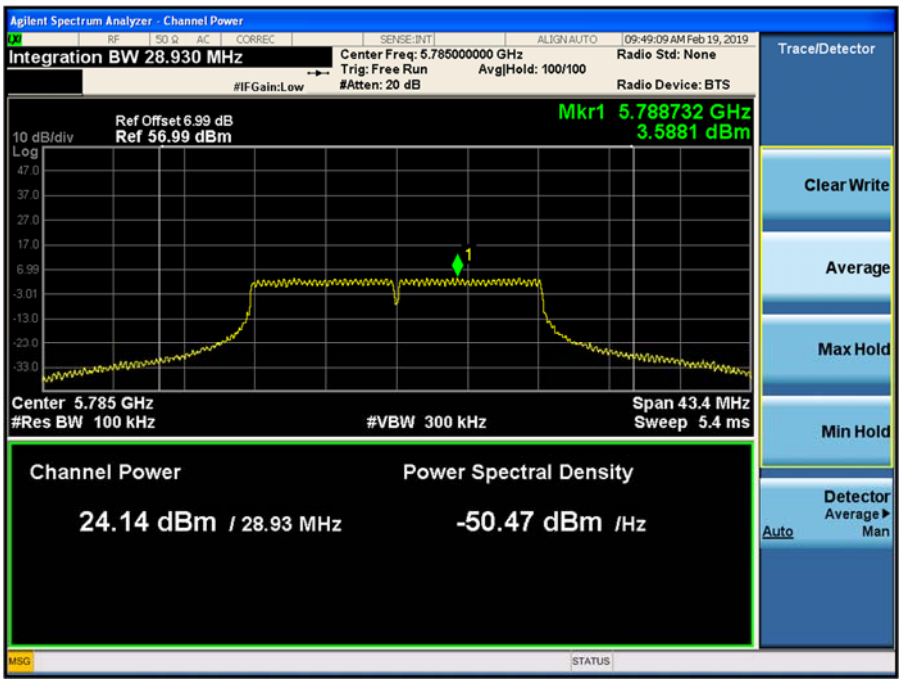

**Plot 9-228. Maximum Conducted Output Power Chain 0 802.11n HT20 (Ch. 157)**



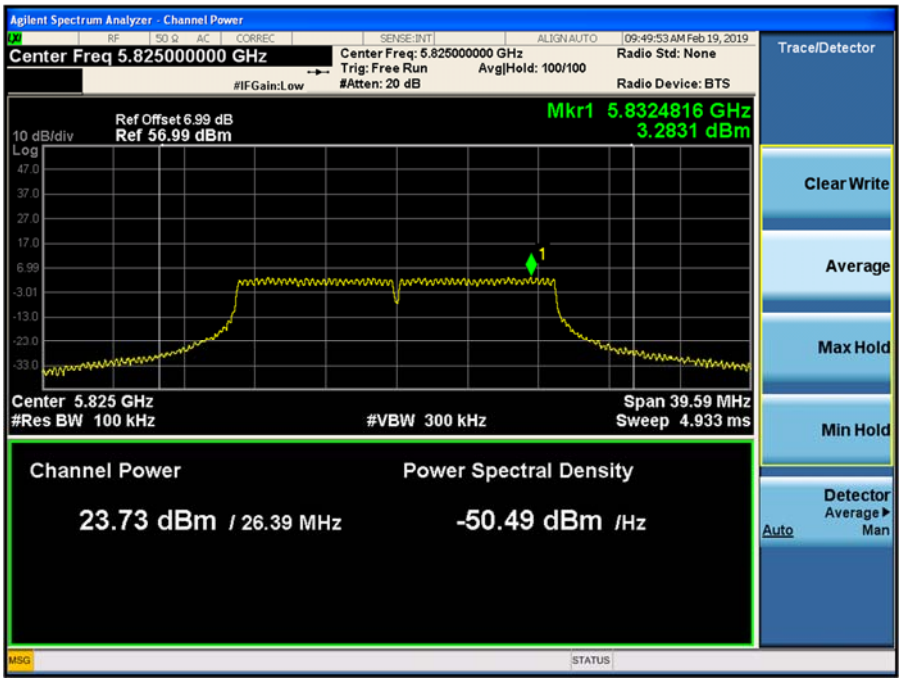

**Plot 9-229. Maximum Conducted Output Power Chain 0 802.11n HT20 (Ch. 165)**



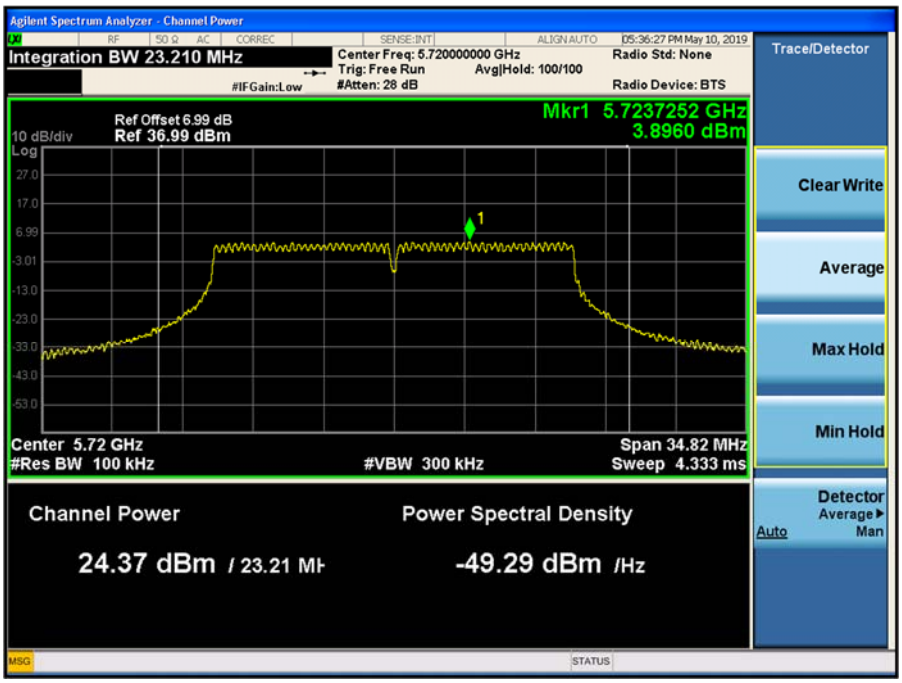

**Plot 9-230. Maximum Power Spectral Density Chain 0 802.1n HT20 (Ch. 149)**



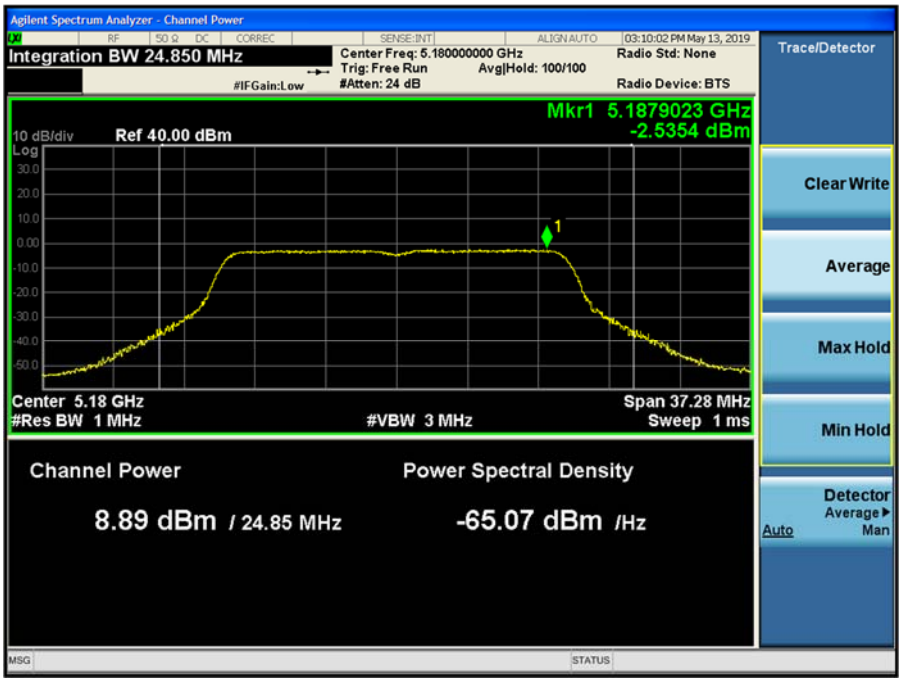

**Plot 9-231. Maximum Power Spectral Density Chain 0 802.11n HT20 (Ch. 157)**



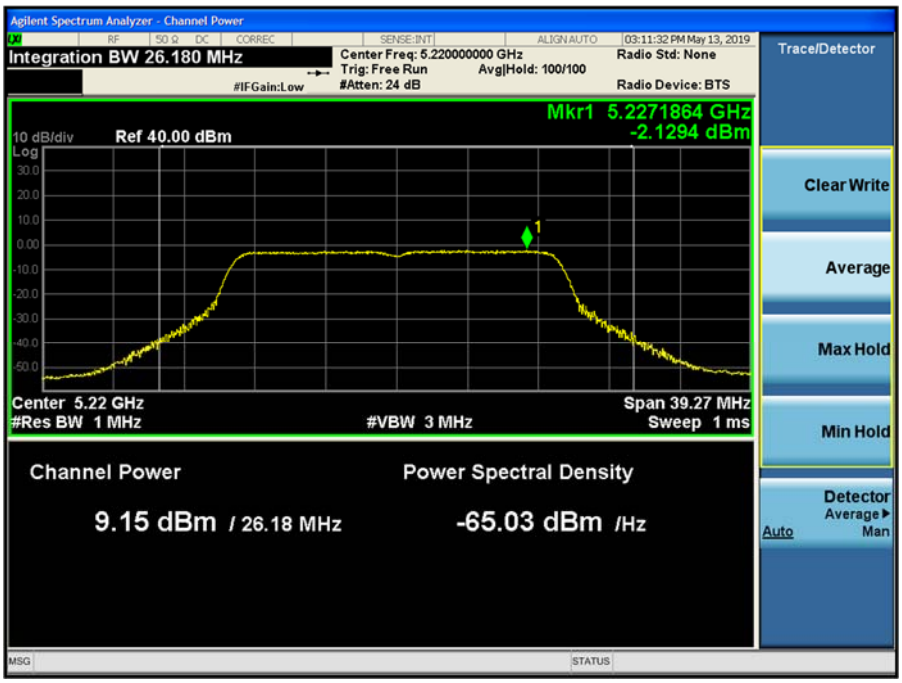

**Plot 9-232. Maximum Power Spectral Density Chain 0 802.11n HT20 (Ch. 165)**



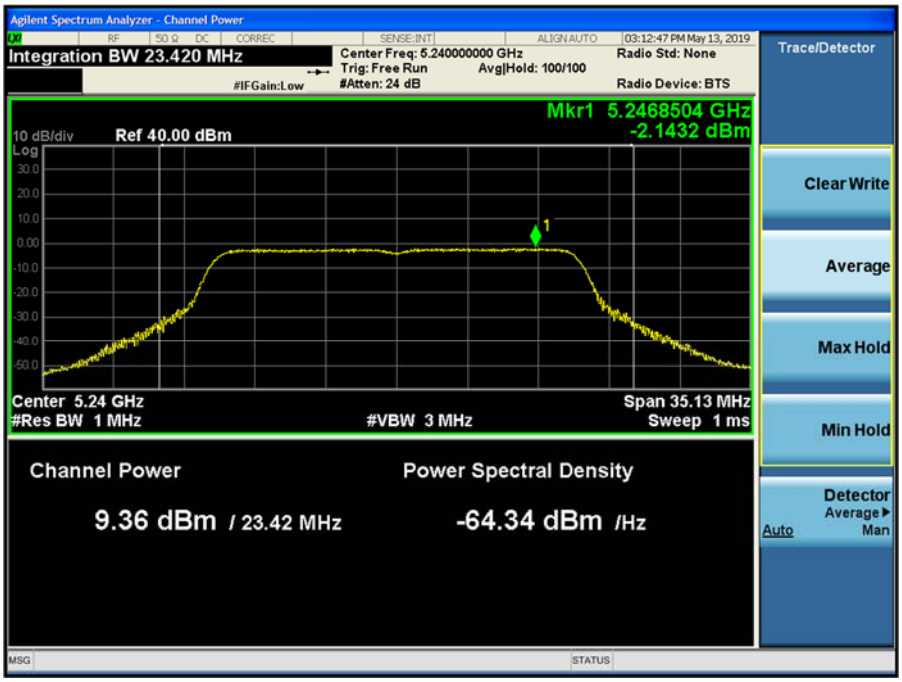

**Plot 9-233. Maximum Power Spectral Density Chain 0 802.11n HT20 (Ch. 144)**



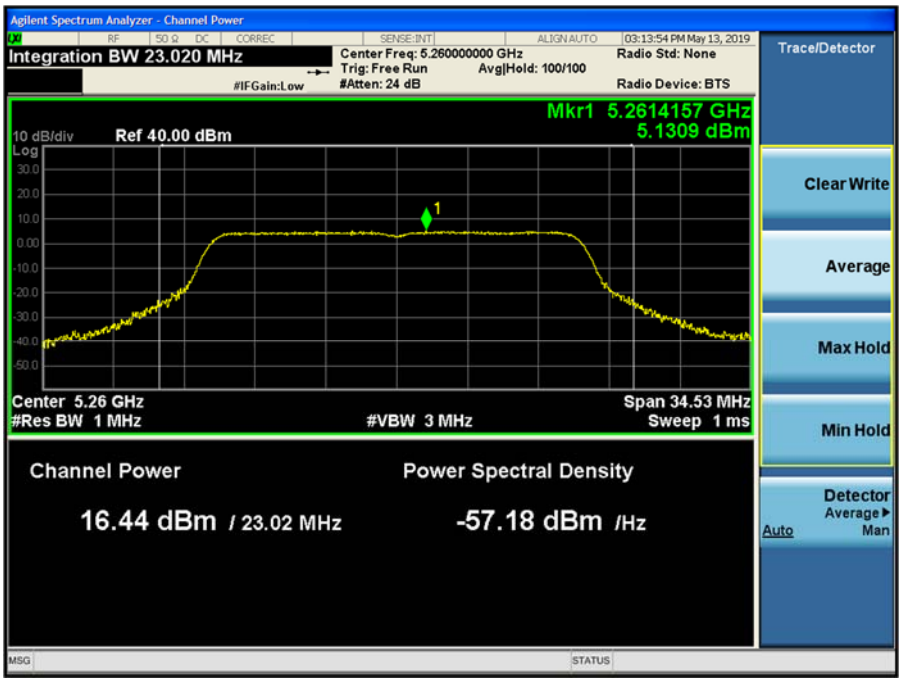

**Plot 9-234. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 36)**



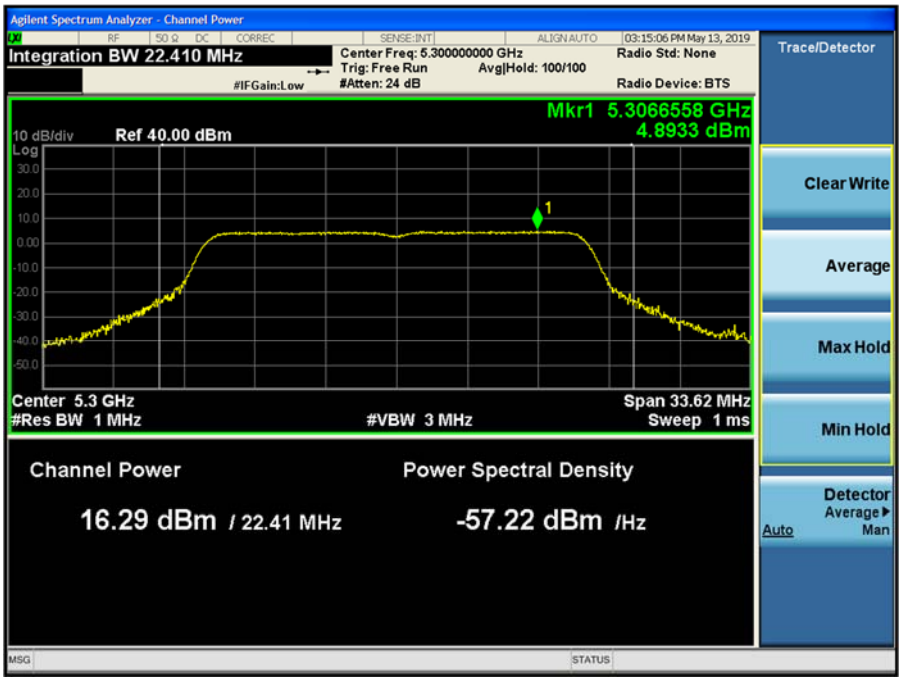

**Plot 9-235. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 44)**



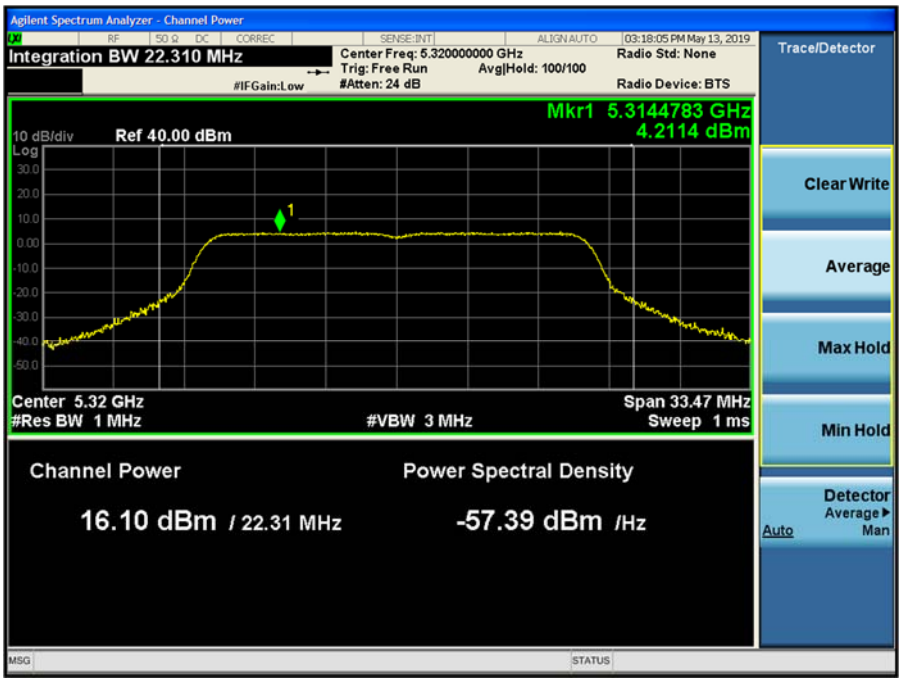

**Plot 9-236. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 48)**



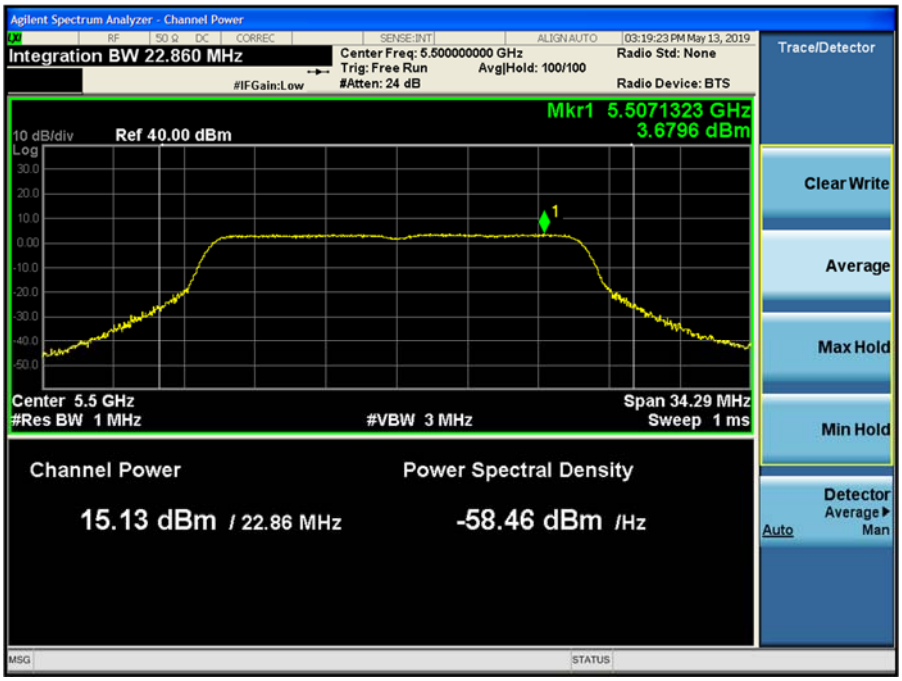

**Plot 9-237. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 52)**




**Plot 9-238. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 60)**




**Plot 9-239. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 64)**




**Plot 9-240. Maximum Conducted Output Power and PSD Chain 1 802.11n HT20 (Ch. 100)**