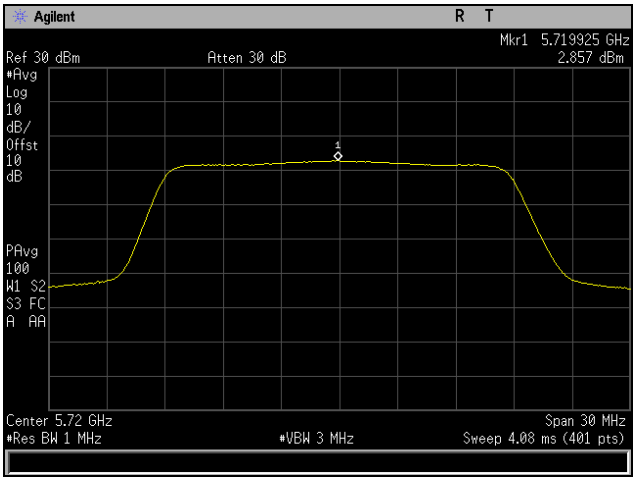
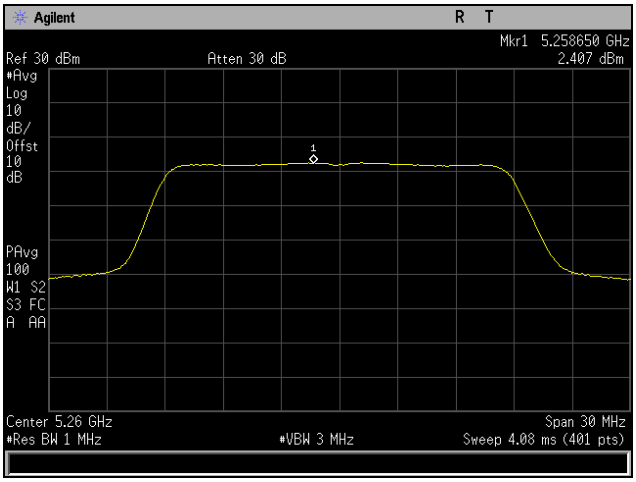
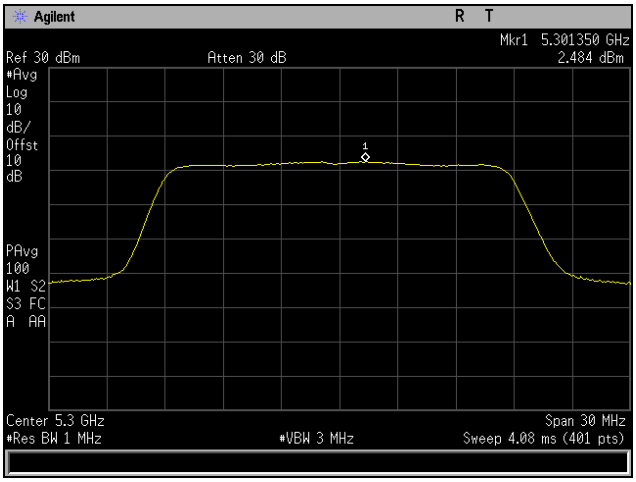


Plot 484. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5720 MHz, 3SS, P2

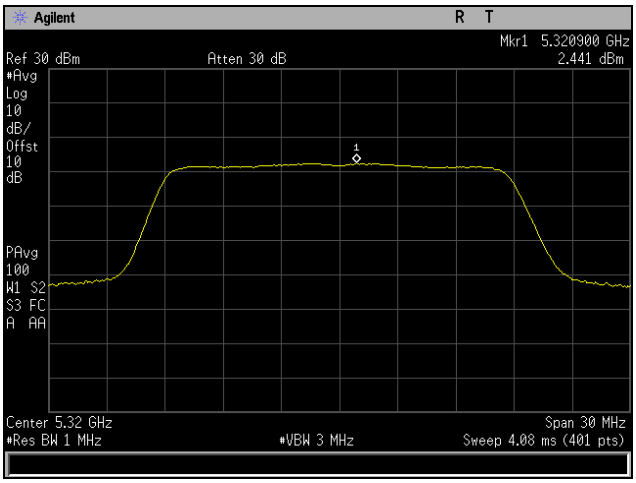
Maximum Power Spectral Density, 802.11n 20 MHz, 3SS, P3



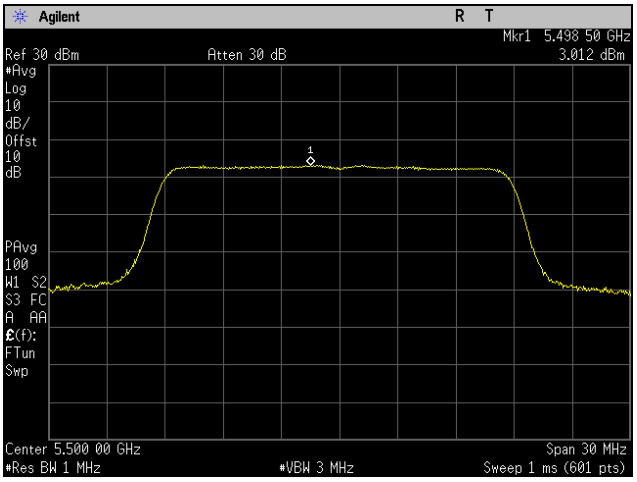
Plot 485. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5260 MHz, 3SS, P3



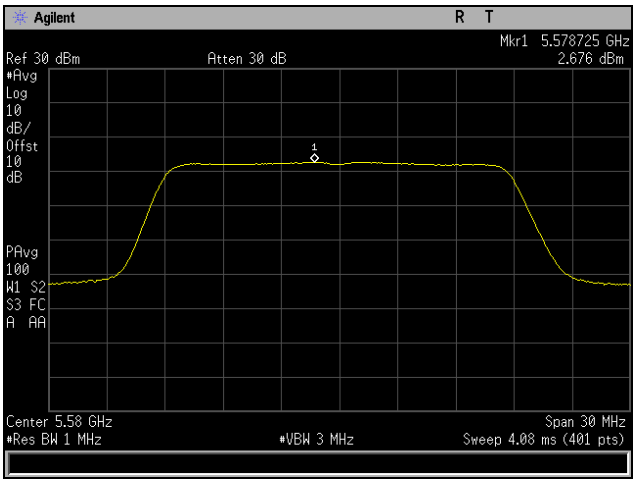
Plot 486. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5300 MHz, 3SS, P3



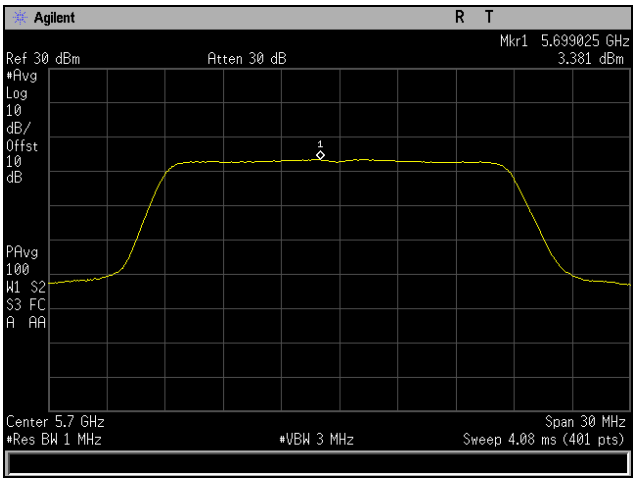
Plot 487. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5320 MHz, 3SS, P3



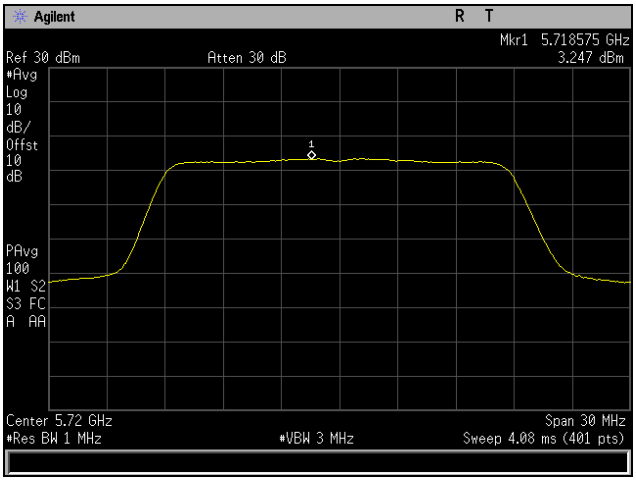
Plot 488. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5500 MHz, 3SS, P3



Plot 489. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5580 MHz, 3SS, P3

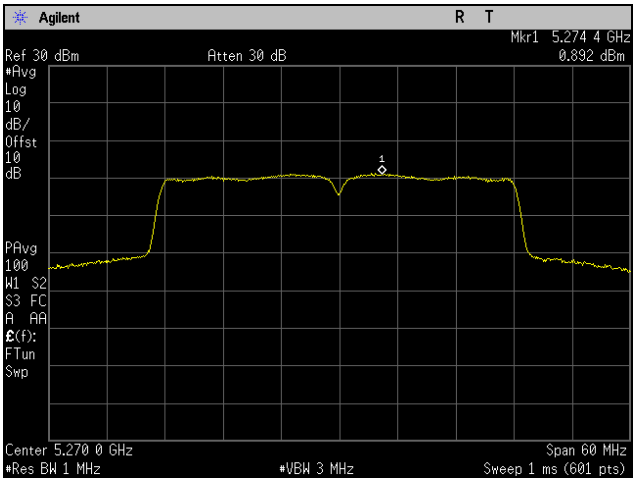


Plot 490. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5700 MHz, 3SS, P3

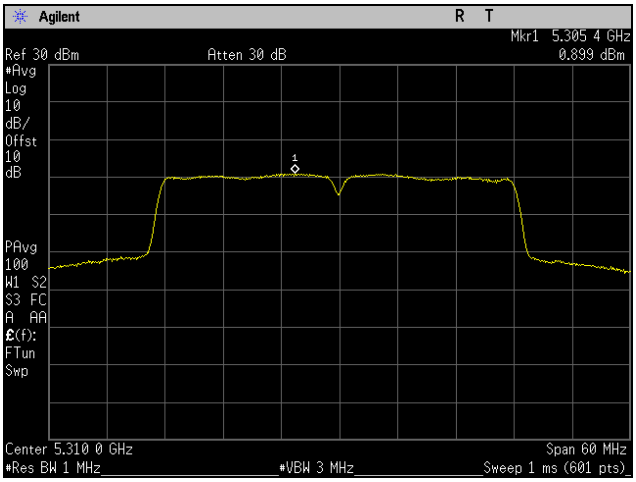


Plot 491. Maximum Power Spectral Density, 802.11n 20 MHz, Channel 5720 MHz, 3SS, P3

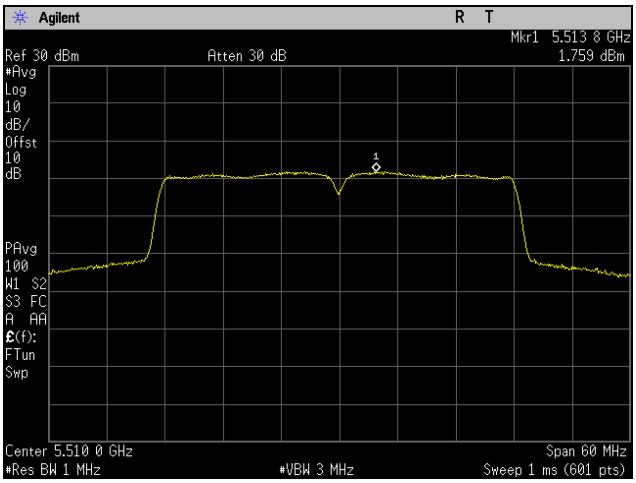
Maximum Power Spectral Density, 802.11n 40 MHz, 1SS



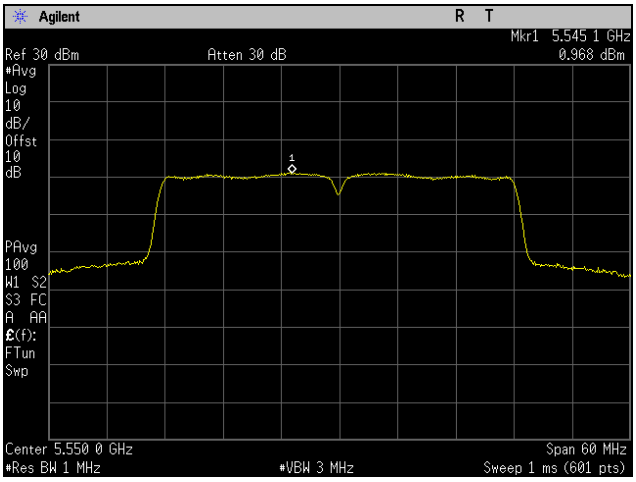
Plot 492. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 1SS



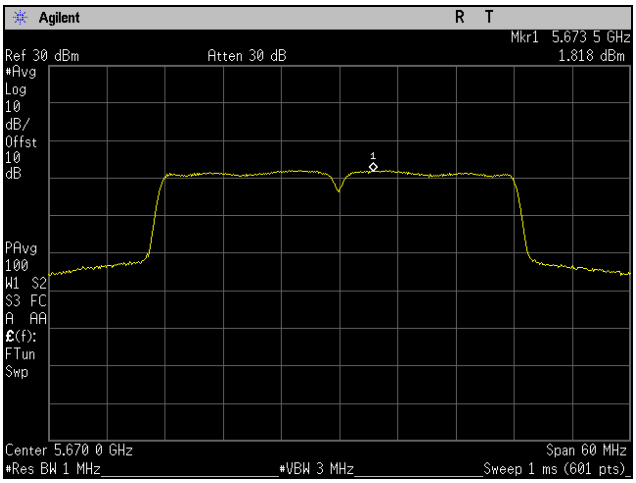
Plot 493. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 1SS



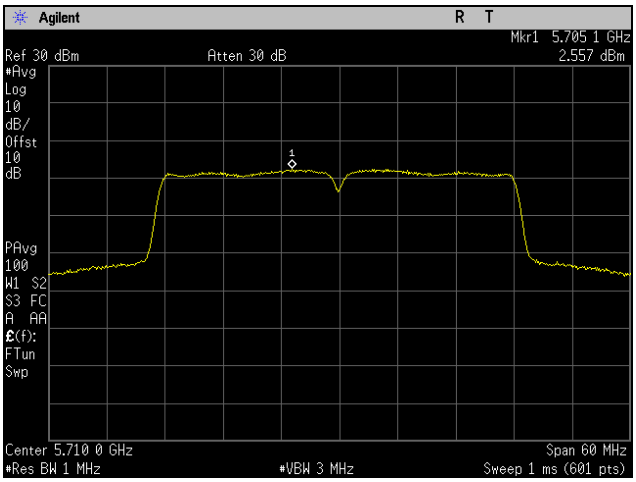
Plot 494. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 1SS



Plot 495. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 1SS

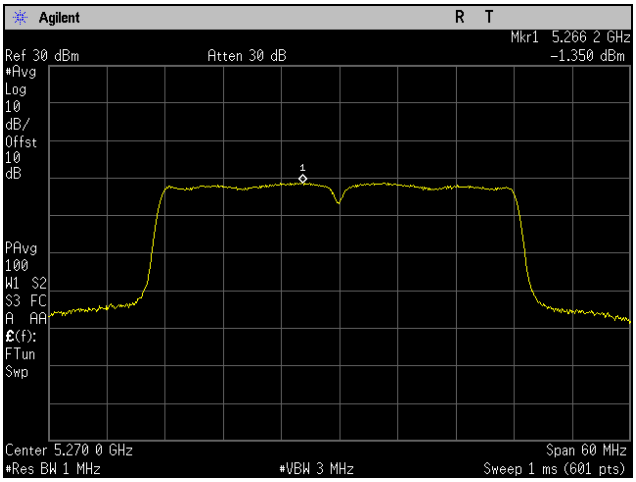


Plot 496. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 1SS

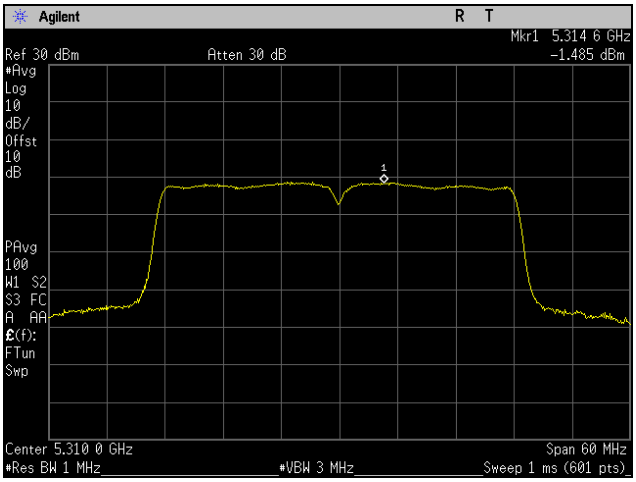


Plot 497. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 1SS

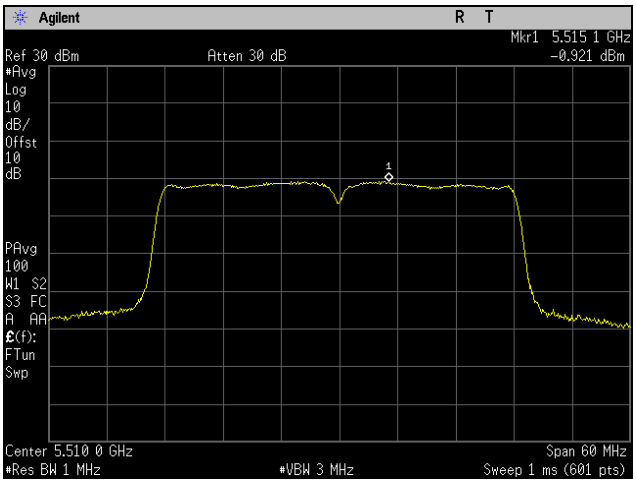
Maximum Power Spectral Density, 802.11n 40 MHz, 2SS, P1



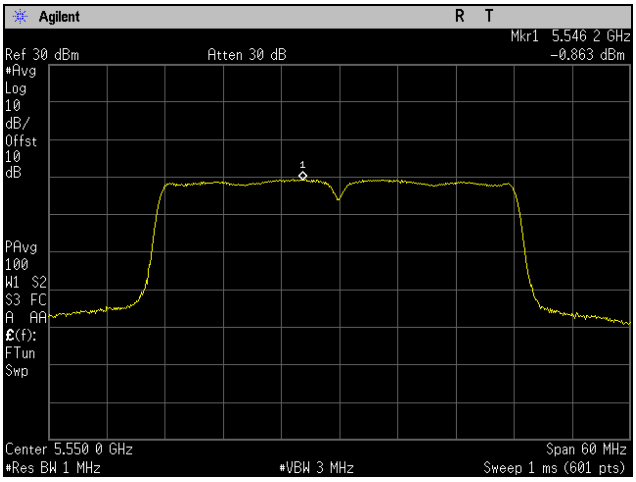
Plot 498. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 2SS, P1



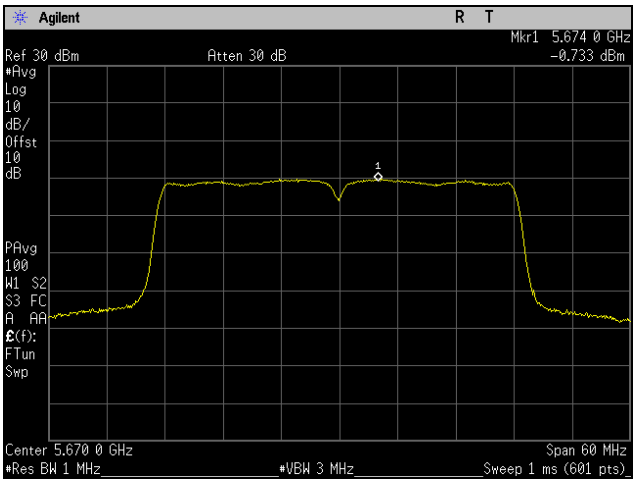
Plot 499. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 2SS, P1



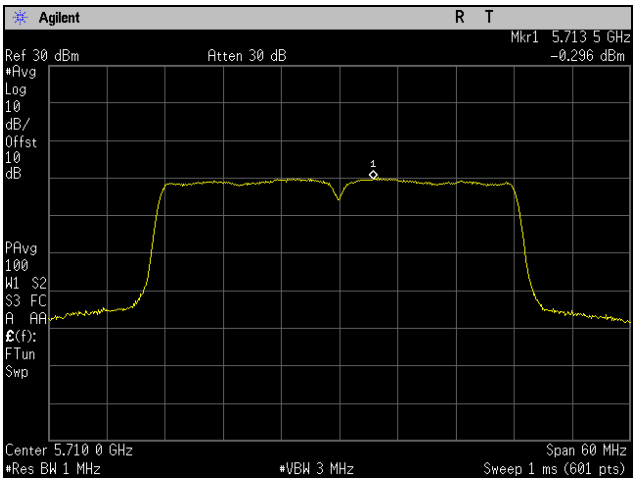
Plot 500. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 2SS, P1



Plot 501. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 2SS, P1

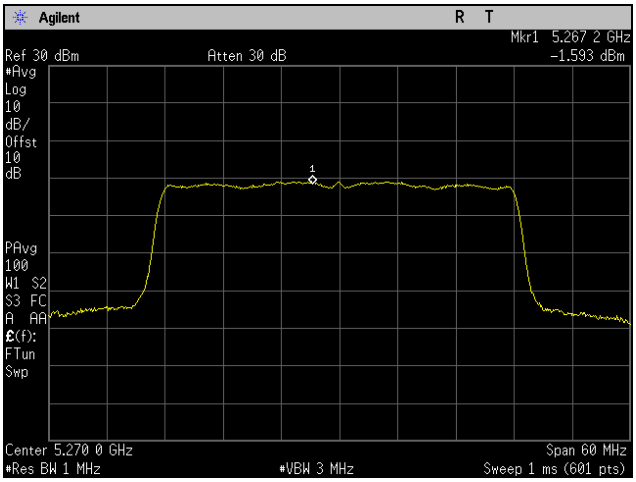


Plot 502. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 2SS, P1

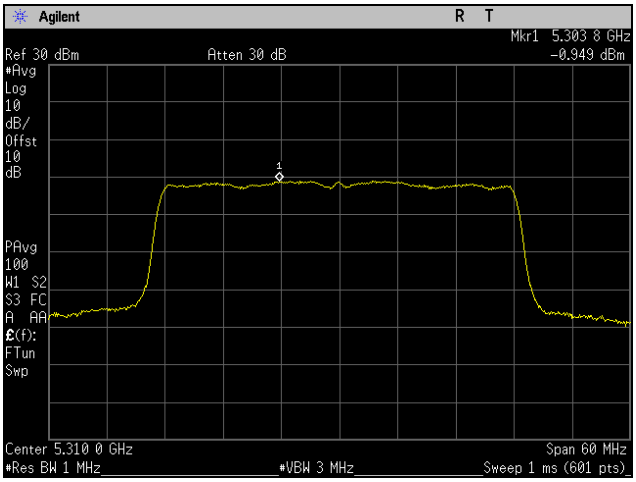


Plot 503. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 2SS, P1

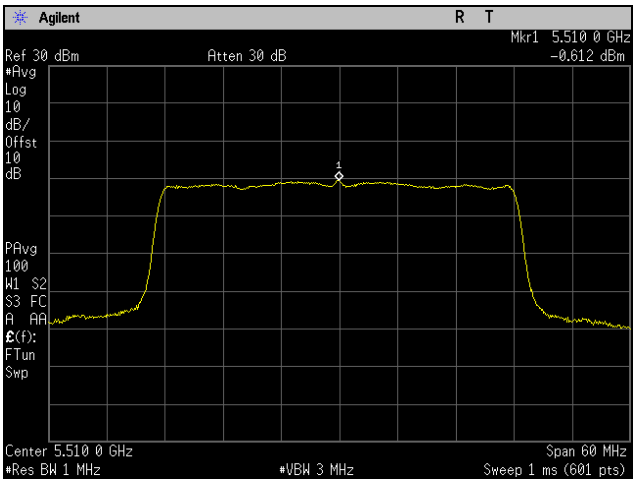
Maximum Power Spectral Density, 802.11n 40 MHz, 2SS, P2



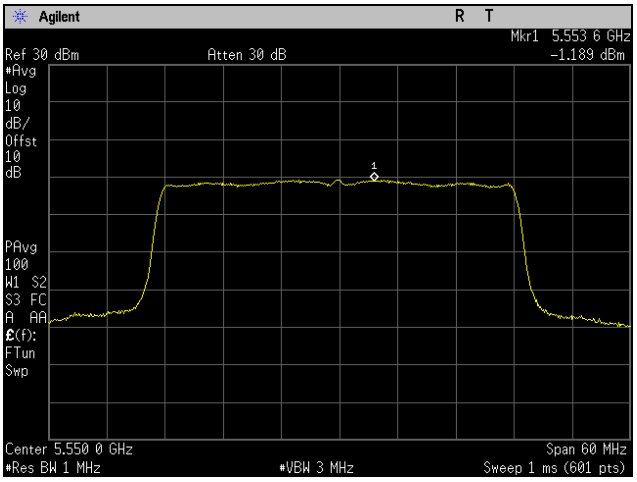
Plot 504. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 2SS, P2



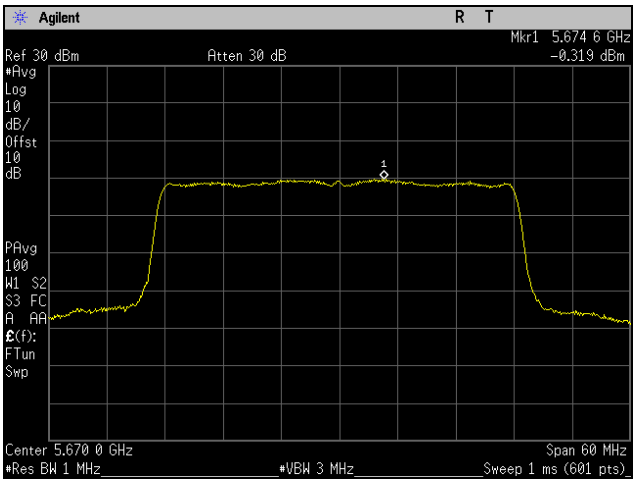
Plot 505. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 2SS, P2



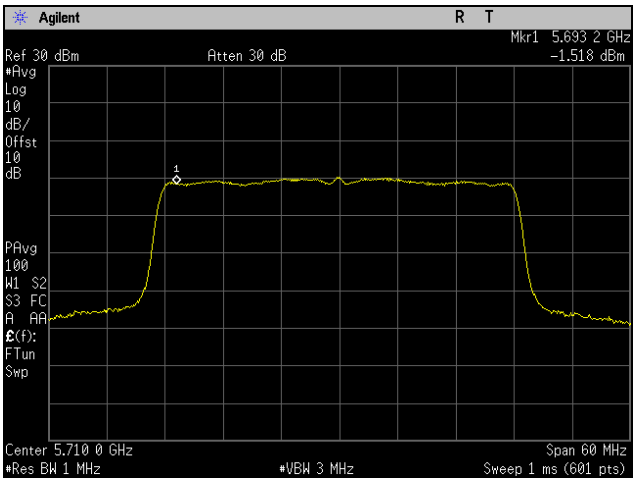
Plot 506. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 2SS, P2



Plot 507. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 2SS, P2

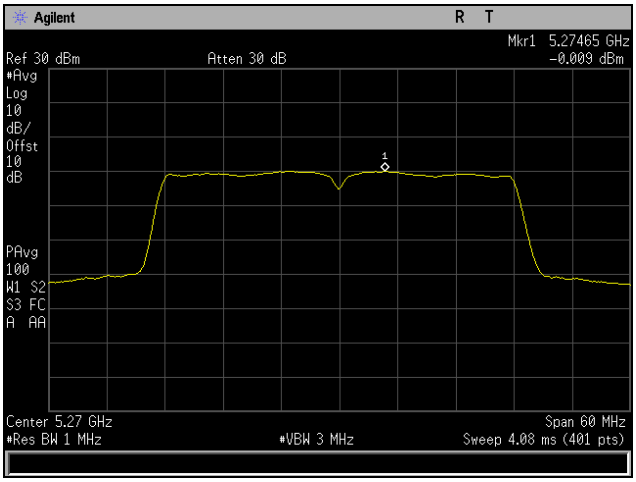


Plot 508. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 2SS, P2

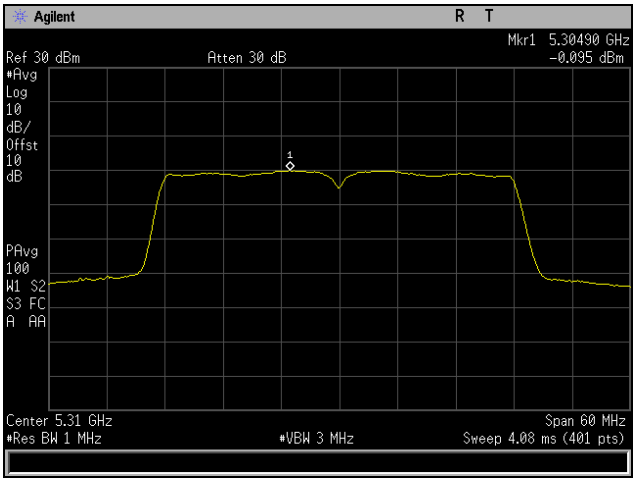


Plot 509. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 2SS, P2

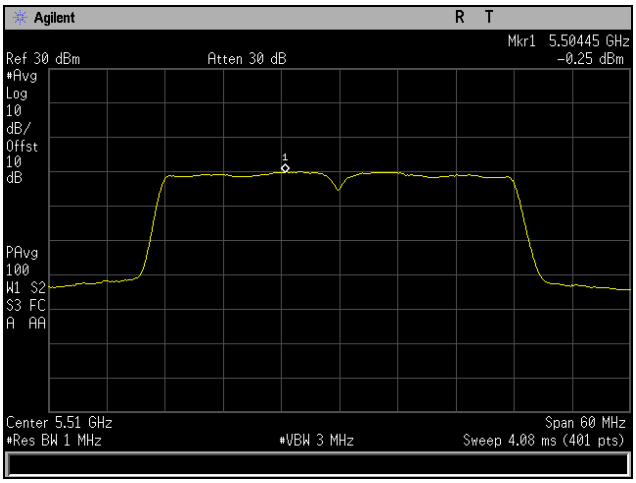
Maximum Power Spectral Density, 802.11n 40 MHz, 3SS, P1



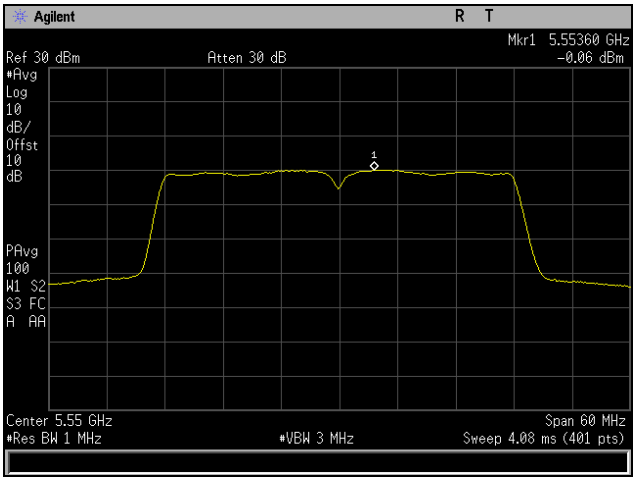
Plot 510. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 3SS, P1



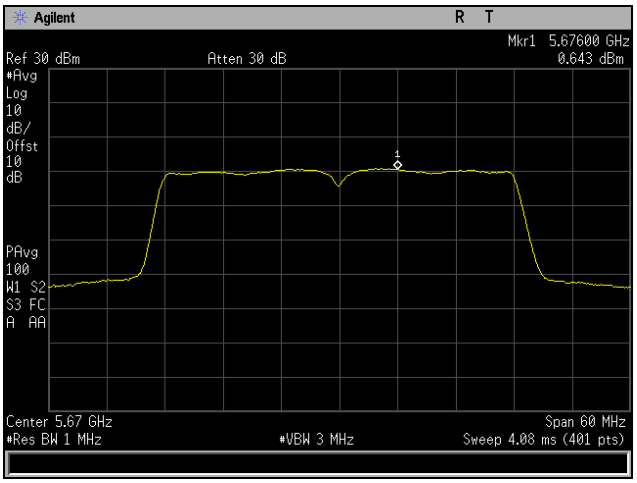
Plot 511. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 3SS, P1



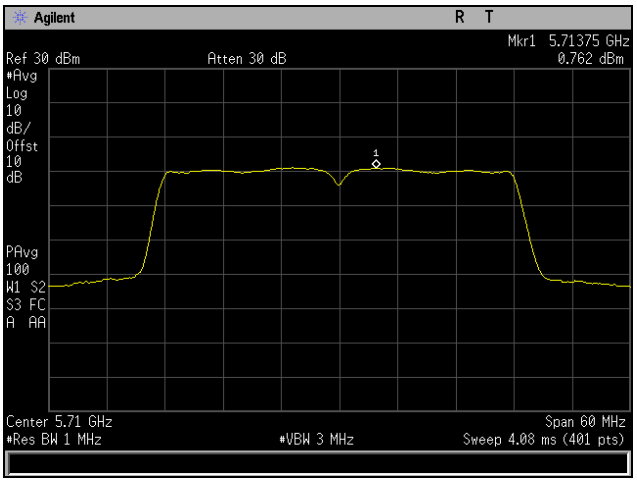
Plot 512. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 3SS, P1



Plot 513. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 3SS, P1

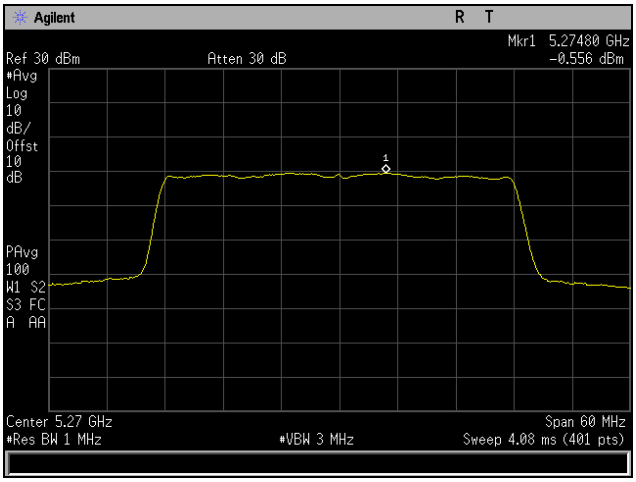


Plot 514. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 3SS, P1

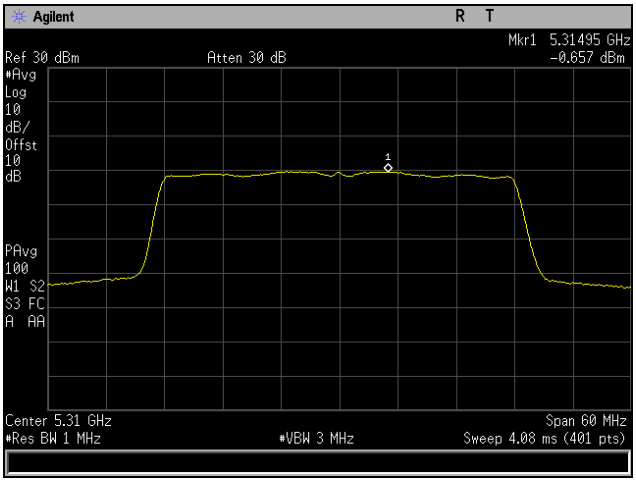


Plot 515. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 3SS, P1

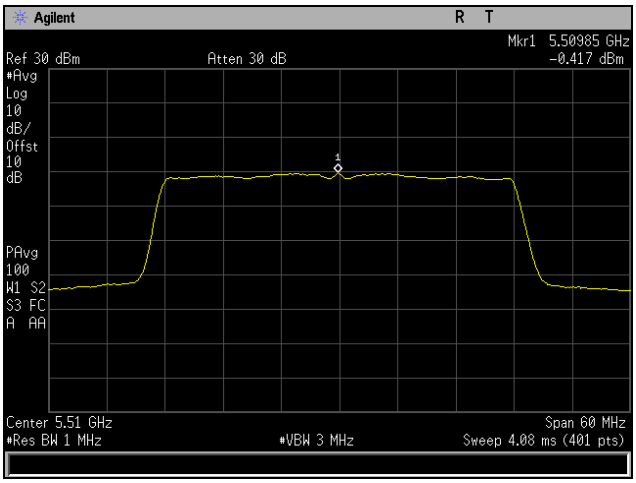
Maximum Power Spectral Density, 802.11n 40 MHz, 3SS, P2



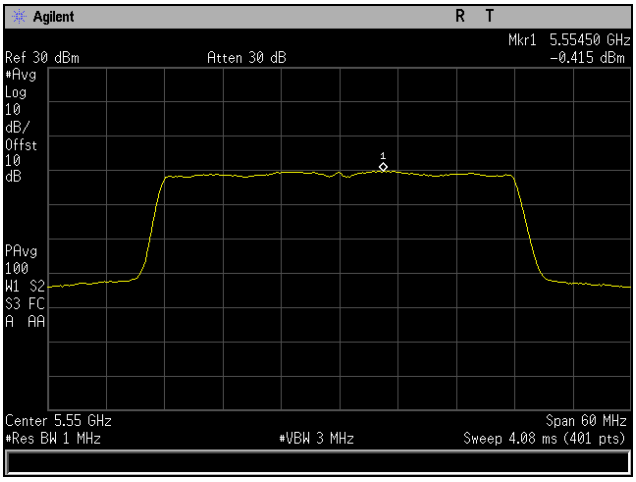
Plot 516. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 3SS, P2



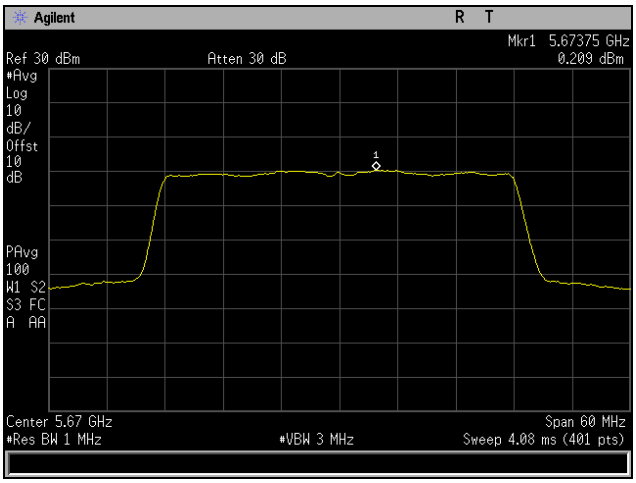
Plot 517. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 3SS, P2



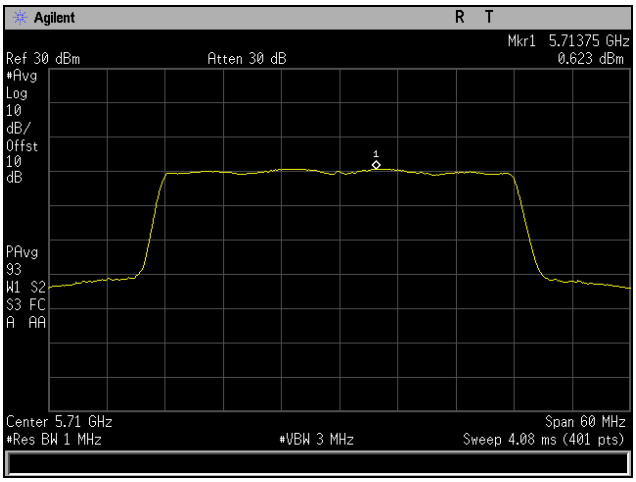
Plot 518. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 3SS, P2



Plot 519. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 3SS, P2

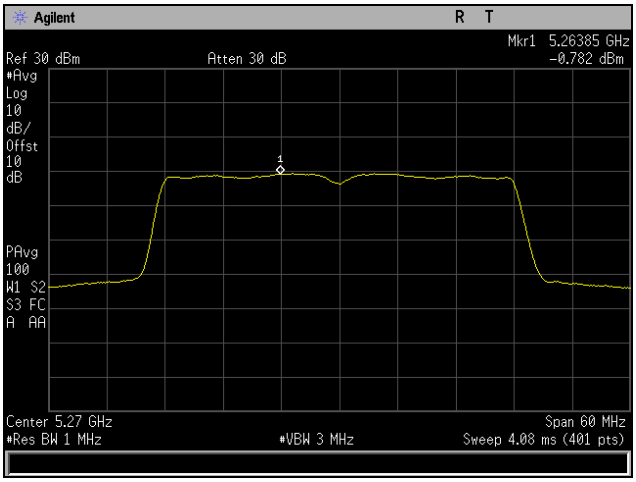


Plot 520. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 3SS, P2

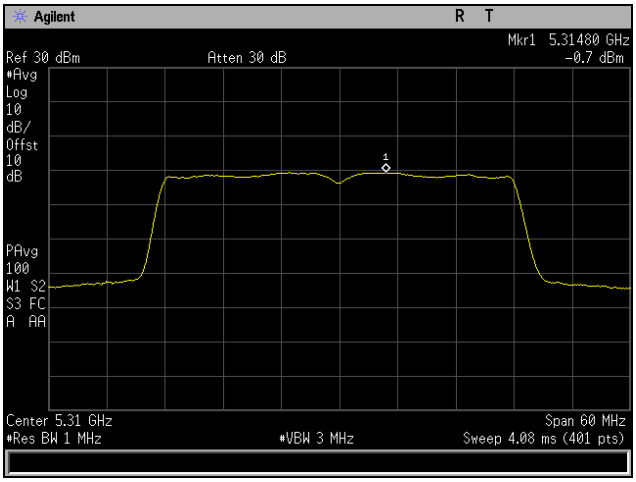


Plot 521. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 3SS, P2

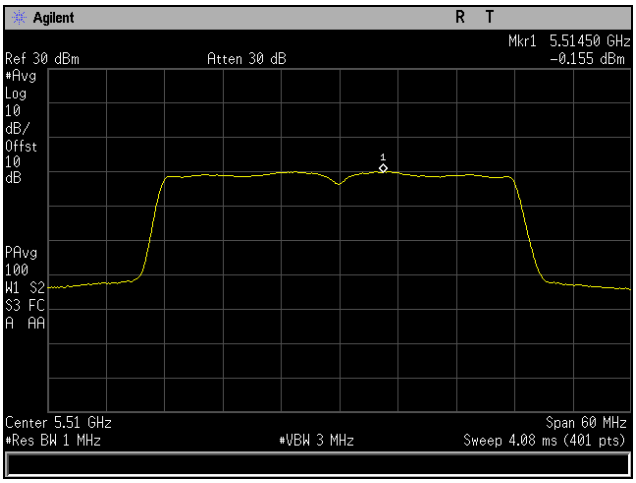
Maximum Power Spectral Density, 802.11n 40 MHz, 3SS, P3



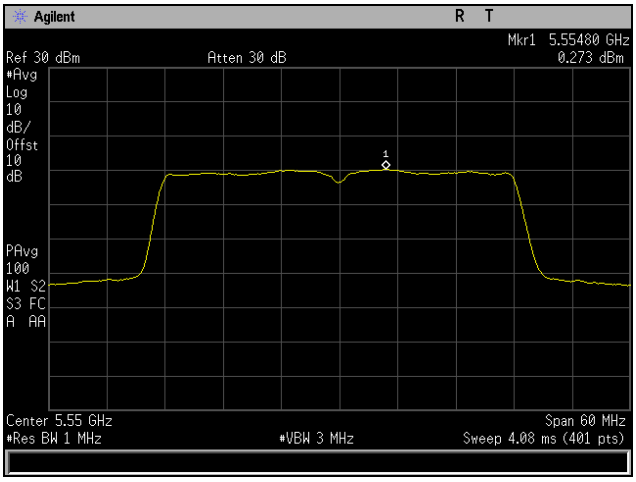
Plot 522. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5270 MHz, 3SS, P3



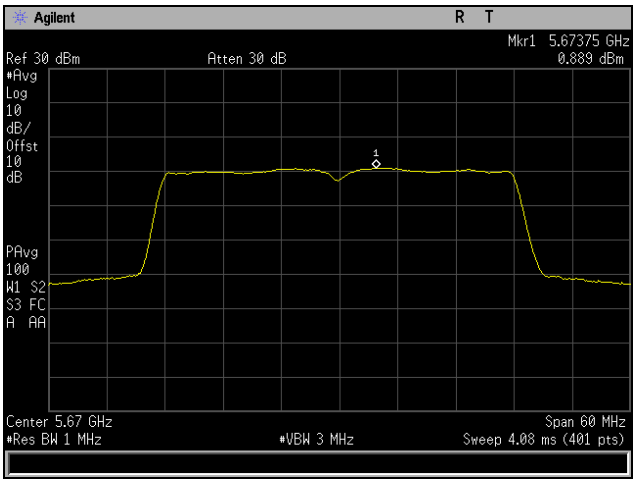
Plot 523. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5310 MHz, 3SS, P3



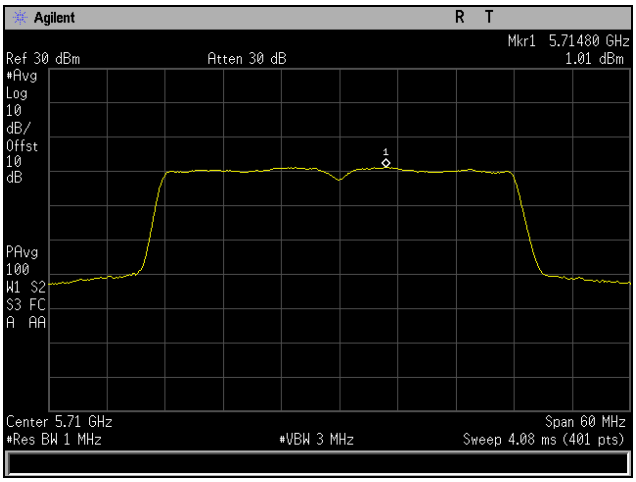
Plot 524. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5510 MHz, 3SS, P3



Plot 525. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5550 MHz, 3SS, P3



Plot 526. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5670 MHz, 3SS, P3



Plot 527. Maximum Power Spectral Density, 802.11n 40 MHz, Channel 5710 MHz, 3SS, P3

PSD

1SS

a mode			
Channel MHz	PSD dBm	Limit dBm	Margin dB
5260	6.622	11	-4.378
5300	5.848	11	-5.152
5320	4.445	11	-6.555
5500	6.691	11	-4.309
5580	6.691	11	-4.309
5700	7.373	11	-3.627
5720	7.481	11	-3.519

Table 23. Power Spectral Density, 1SS, 802.11a

n mode	20 MHz		
Channel MHz	PSD dBm	Limit dBm	Margin dB
5260	5.769	11	-5.231
5300	5.788	11	-5.212
5500	5.228	11	-5.772
5500	6.628	11	-4.372
5580	7.175	11	-3.825
5700	6.944	11	-4.056
5720	7.448	11	-3.552

Table 24. Power Spectral Density, 1SS, 802.11n 20 MHz

ac mode	20 MHz		
Channel MHz	PSD dBm	Limit dBm	Margin dB
5260	5.752	11	-5.248
5300	6.019	11	-4.981
5500	5.787	11	-5.213
5500	4.821	11	-6.179
5580	4.662	11	-6.338
5700	5.378	11	-5.622
5720	5.182	11	-5.818

Table 25. Power Spectral Density, 1SS, 802.11ac 20 MHz

n mode	40 MHz		
Channel MHz	PSD dBm	Limit dBm	Margin dB
5270	0.892	11	-10.108
5310	0.899	11	-10.101
5510	1.759	11	-9.241
5550	0.968	11	-10.032
5670	1.818	11	-9.182
5710	2.557	11	-8.443

Table 26. Power Spectral Density, 1SS, 802.11n 40 MHz

ac mode	40 MHz		
Channel MHz	PSD dBm	Limit dBm	Margin dB
5270	0.829	11	10.171
5310	0.829	11	10.171
5510	1.123	11	9.877
5550	1.559	11	9.441
5670	1.99	11	9.01
5710	2.33	11	8.67

Table 27. Power Spectral Density, 1SS, 802.11ac 40 MHz

ac mode	80 MHz		
Channel MHz	PSD dBm	Limit dBm	Margin dB
5290	-3.201	11	14.201
5530	-1.836	11	12.836
5690	-1.98	11	12.98

Table 28. Power Spectral Density, 1SS, 802.11ac 80 MHz

2SS

n mode	20 MHz						
Channel MHz	PSD P1 dBm	PSD P2dBm	Sum dBm	Gain dBi	Limit dBm	Final limit	Margin dB
5260	5.752	5.726	8.75	7.6	11	9.4	-0.65
5300	5.504	6.099	8.83	7.6	11	9.4	-0.57
5320	5.635	6.193	8.94	7.6	11	9.4	-0.46
5500	6.245	5.821	9.05	7.6	11	9.4	-0.35
5580	6.202	5.877	9.06	7.6	11	9.4	-0.34
5700	7.002	6.232	9.65	7.6	11	9.4	0.25
5720	6.739	5.518	9.19	7.6	11	9.4	-0.21

Table 29. Power Spectral Density, 2SS, 802.11n 20 MHz

ac mode	20 MHz						
Channel MHz	PSD P1 dBm	PSD P2dBm	Sum dBm	Gain dBi	Limit dBm	Final limit	Margin dB
5260	5.752	6.329	9.07	7.6	11	9.4	-0.33
5300	5.458	6.315	8.92	7.6	11	9.4	-0.48
5320	5.313	5.384	8.36	7.6	11	9.4	-1.04
5500	6.55	5.9	9.25	7.6	11	9.4	-0.15
5580	6.076	6.334	9.22	7.6	11	9.4	-0.18
5700	6.013	6.019	9.03	7.6	11	9.4	-0.37
5720	6.599	5.969	9.31	7.6	11	9.4	-0.09

Table 30. Power Spectral Density, 2SS, 802.11ac 20 MHz

n mode	40 MHz						
Channel MHz	PSD P1 dBm	PSD P2dBm	Sum dBm	Gain dBi	Limit dBm	Final limit	Margin dB
5270	-1.35	-1.593	1.84	7.6	11	9.4	-7.56
5310	-1.485	-0.949	1.76	7.6	11	9.4	-7.64
5510	-0.921	-0.612	2.33	7.6	11	9.4	-7.07
5550	-0.863	-1.189	2.33	7.6	11	9.4	-7.07
5670	-0.733	-0.319	2.65	7.6	11	9.4	-6.75
5710	-0.296	-1.518	3.01	7.6	11	9.4	-6.39

Table 31. Power Spectral Density, 2SS, 802.11n 40 MHz

ac mode	40 MHz						
Channel MHz	PSD P1 dBm	PSD P2dBm	Sum dBm	Gain dBi	Limit dBm	Final limit	Margin dB
5270	-1.529	-0.849	1.84	7.6	11	9.4	-7.56
5310	-1.37	-1.153	1.76	7.6	11	9.4	-7.64
5510	-1.072	-0.329	2.33	7.6	11	9.4	-7.07
5550	-0.741	-0.627	2.33	7.6	11	9.4	-7.07
5670	-0.327	-0.407	2.65	7.6	11	9.4	-6.75
5710	-0.195	0.173	3.01	7.6	11	9.4	-6.39

Table 32. Power Spectral Density, 2SS, 802.11ac 40 MHz

ac mode	80MHz						
Channel MHz	PSD P1 dBm	PSD P2dBm	Sum dBm	Gain dBi	Limit dBm	Final limit	Margin dB
5290	-5.592	-2.722	-0.91	7.6	11	9.4	-10.31
5530	-4.862	-3.019	-0.83	7.6	11	9.4	-10.23
5690	-4.372	-1.843	0.09	7.6	11	9.4	-9.31

Table 33. Power Spectral Density, 2SS, 802.11ac 80 MHz

3SS

n mode	40 MHz							
Channel MHz	PSD P1 dBm	PSD P2dBm	PSD P3dBm	Sum dBm	Gain dBi	Limit dBm	Final limit dBm	Margin dB
5270	-0.009	-0.556	-0.782	4.34	8.8	11	8.2	-3.86
5310	-0.095	-0.657	-0.7	4.3	8.8	11	8.2	-3.9
5510	-0.25	-0.417	-0.155	4.5	8.8	11	8.2	-3.7
5550	-0.06	-0.415	0.273	4.72	8.8	11	8.2	-3.48
5670	0.643	0.209	0.889	5.37	8.8	11	8.2	-2.83
5710	0.762	0.623	1.01	5.58	8.8	11	8.2	-2.62

Table 34. Power Spectral Density, 3SS, 802.11n 40 MHz

ac mode	40 MHz							
Channel MHz	PSD P1 dBm	PSD P2dBm	PSD P3dBm	Sum dBm	Gain dBi	Limit dBm	Final limit dBm	Margin dB
5270	-2.26	-1.427	-1.311	3.13	8.8	11	8.2	-5.07
5310	-0.786	-1.853	-1.364	3.46	8.8	11	8.2	-4.74
5510	-0.687	-1.185	-0.429	4.02	8.8	11	8.2	-4.18
5550	-0.312	0.001	0.832	4.98	8.8	11	8.2	-3.22
5670	0.36	0.08	0.703	5.16	8.8	11	8.2	-3.04
5710	0.597	0.088	0.589	5.21	8.8	11	8.2	-2.99

Table 35. Power Spectral Density, 3SS, 802.11ac 40 MHz

ac mode	80MHz							
Channel MHz	PSD P1 dBm	PSD P2dBm	PSD P3dBm	Sum dBm	Gain dBi	Limit dBm	Final limit dBm	Margin dB
5290	-5.6	-3.178	-5.954	0.05	8.8	11	8.2	-8.15
5530	-4.627	-2.599	-3.969	1.13	8.8	11	8.2	-7.07
5690	-4.073	-4.137	-3.922	0.73	8.8	11	8.2	-7.47

Table 36. Power Spectral Density, 3SS, 802.11ac 80 MHz

Electromagnetic Compatibility Criteria for Intentional Radiators

§15.407(b)(2 – 3) & (6 – 7) Undesirable Emissions

Test Requirements:

§ 15.407(b)(2): For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

§ 15.407(b)(3): For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

§ 15.407(b)(6): Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in Section 15.207.

§ 15.407(b)(7): The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Test Procedure:

The EUT was placed on a non-conducting stand on a turntable in a chamber. To find the maximum emission the EUT was set to transmit on low, mid, and high channels. Additionally, the turntable was rotated 360 degrees, the EUT was oriented through its three orthogonal axes, and the receive antenna height was varied in order to maximize emissions.

For frequencies from 30 MHz to 1 GHz, measurements were first made using a peak detector with a 100 kHz resolution bandwidth. Emissions which exceeded the limits were re-measured using a quasi-peak detector with a 120 kHz resolution bandwidth.

Above 1 GHz, measurements were made pursuant the method described in FCC KDB 789033 D02 General UNII Test Procedure New Rules v01. The equation, **EIRP= E + 20 log D – 104.8** was used to convert field strength to EIRP (**E** = field strength (dBµV/m) and **D** = Reference measurement distance**).**

For emissions above 1 GHz and in restricted bands, measurements of the field strength were made with a peak detector and an average detector and compared with the limits of 15.209.

As an alternative, according to FCC KDB 789033 D02 General UNII Test Procedure New Rules v01, all emissions above 1 GHz that comply with the peak and average limits of 15.209 satisfy the requirements of unwanted emissions in 15.407.

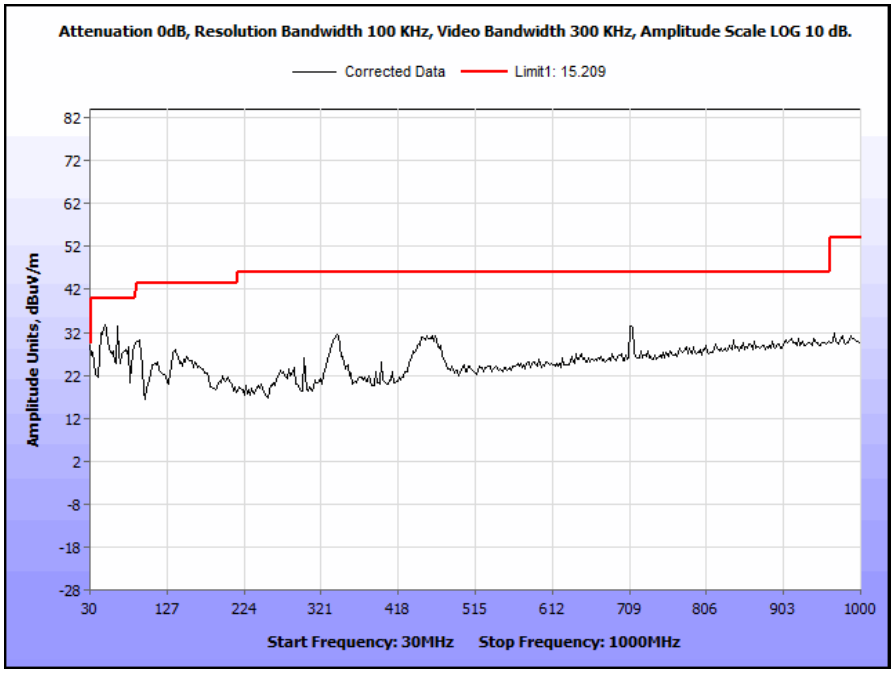
Test Results:

For below 1 GHz, the EUT was compliant with the requirements of this section.

For above 1 GHz, the EUT was compliant with the requirements of this section.

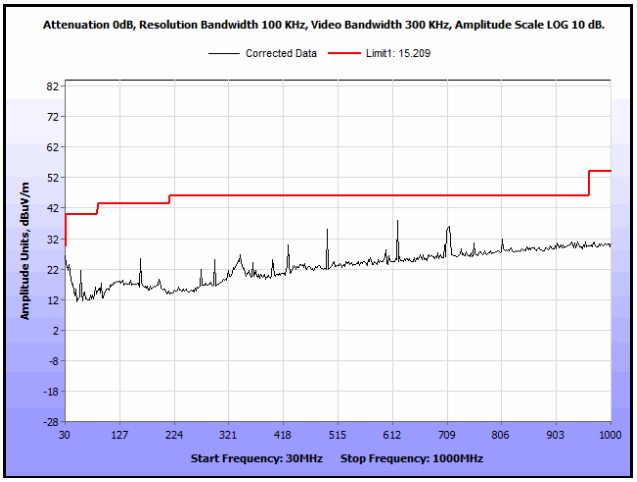
Test Engineer(s): Djed Mouada

Test Date(s): 06/01/16

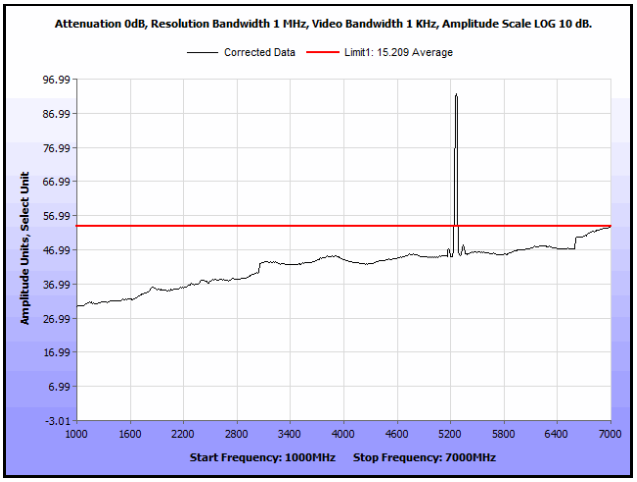


Plot 528. Undesirable Emissions, Ambient Scan, Radio Off, AC, Plugged

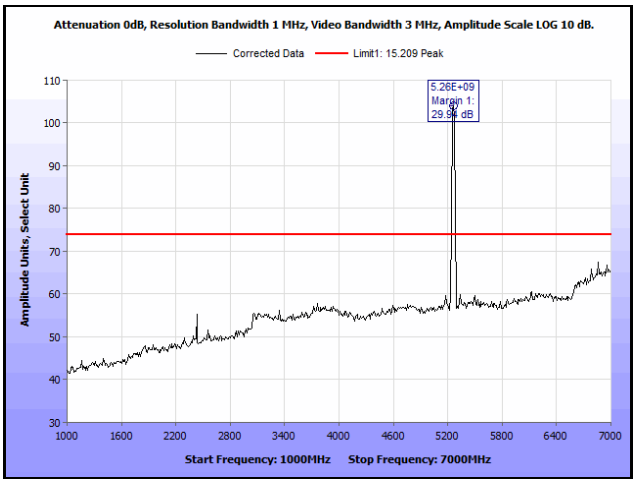
Radiated Spurious Emissions, 802.11a 20 MHz



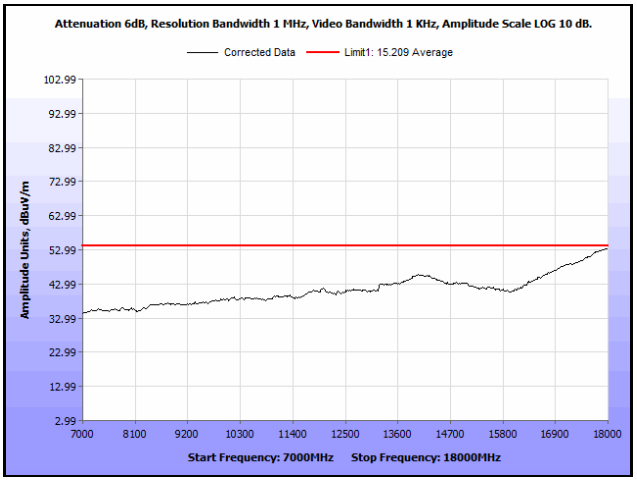
Plot 529. Radiated Spurious Emissions, 802.11a 20 MH, Channel 52, 30 MHz – 1 GHz



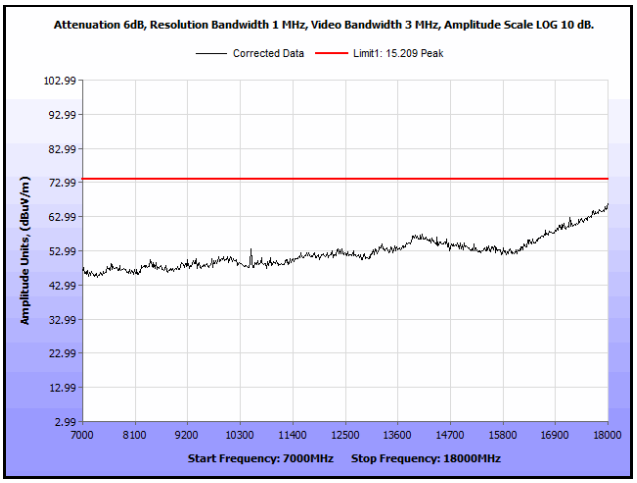
Plot 530. Radiated Spurious Emissions, 802.11a 20 MH, Channel 52, 1 GHz – 7 GHz, Average



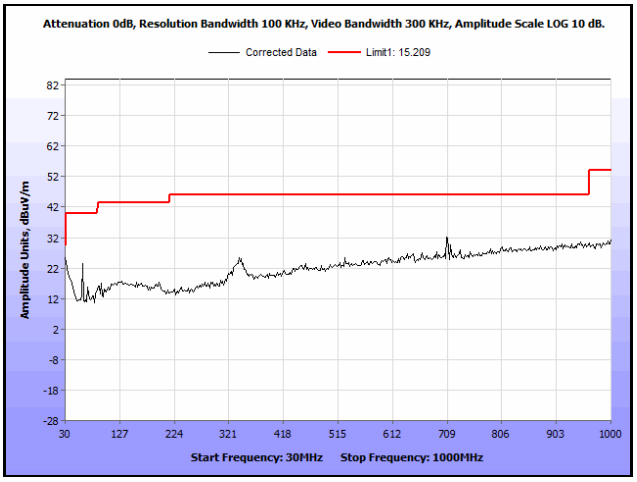
Plot 531. Radiated Spurious Emissions, 802.11a 20 MH, Channel 52, 1 GHz – 7 GHz, Peak



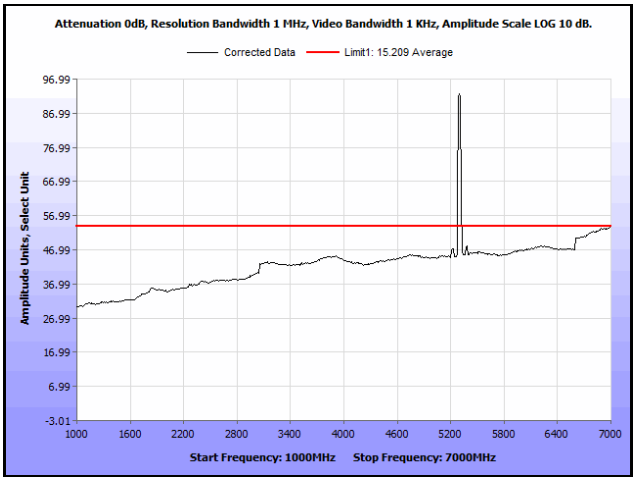
Plot 532. Radiated Spurious Emissions, 802.11a 20 MH, Channel 52, 7 GHz – 18 GHz, Average



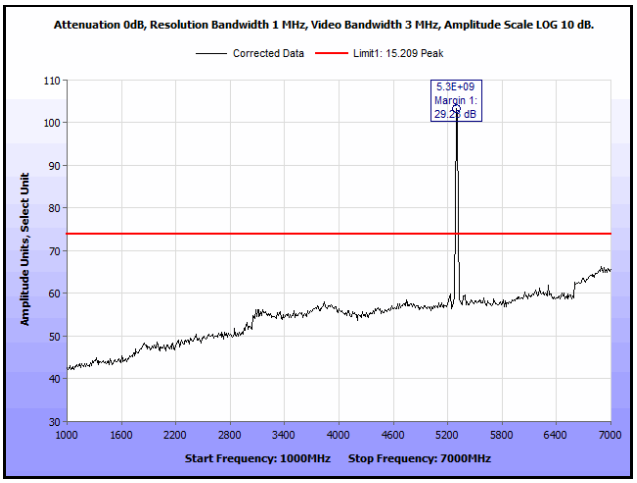
Plot 533. Radiated Spurious Emissions, 802.11a 20 MH, Channel 52, 7 GHz – 18 GHz, Peak



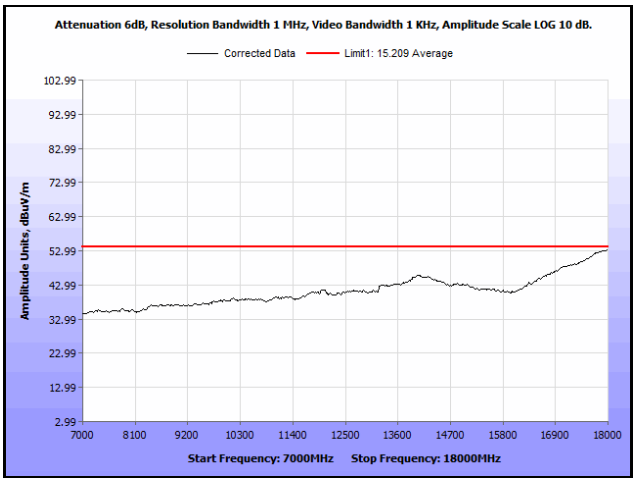
Plot 534. Radiated Spurious Emissions, 802.11a 20 MH, Channel 60, 30 MHz – 1 GHz



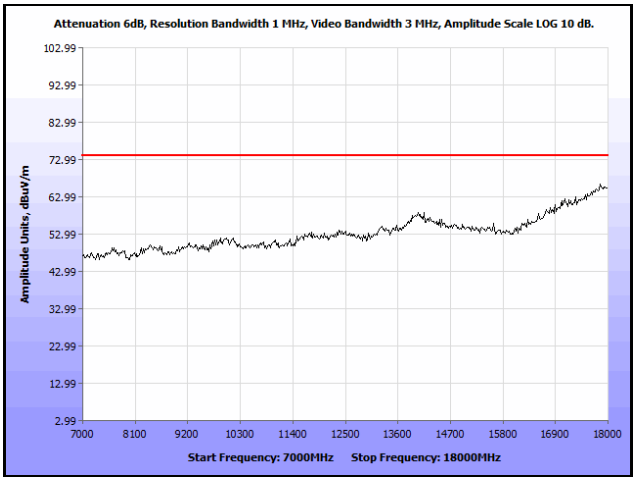
Plot 535. Radiated Spurious Emissions, 802.11a 20 MH, Channel 60, 1 GHz – 7 GHz, Average



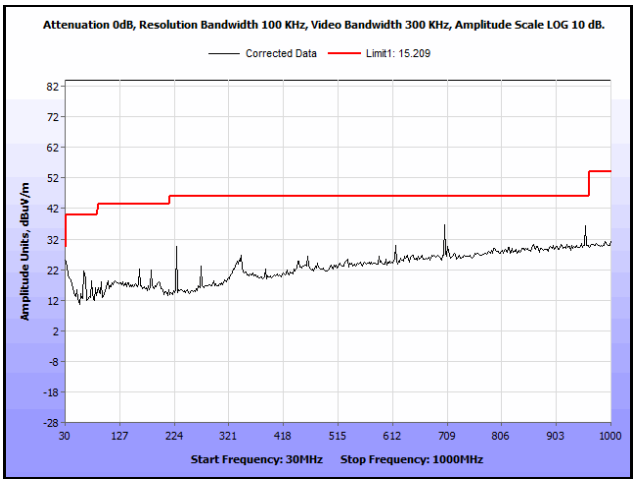
Plot 536. Radiated Spurious Emissions, 802.11a 20 MH, Channel 60, 1 GHz – 7 GHz, Peak



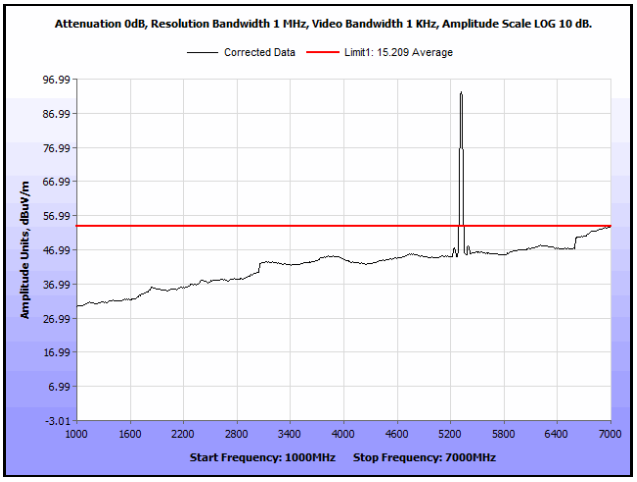
Plot 537. Radiated Spurious Emissions, 802.11a 20 MH, Channel 60, 7 GHz – 18 GHz, Average



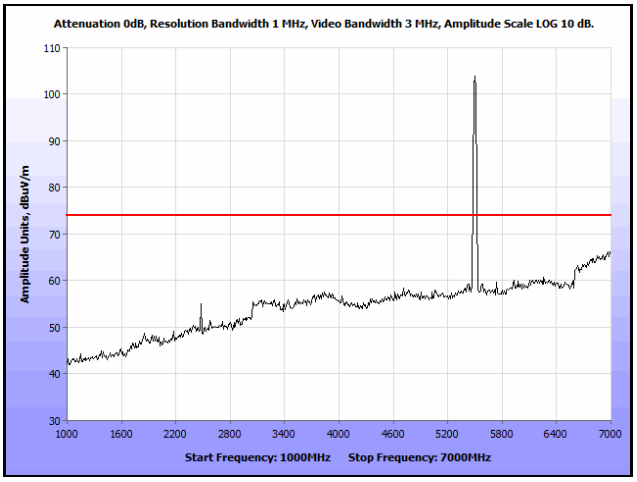
Plot 538. Radiated Spurious Emissions, 802.11a 20 MH, Channel 60, 7 GHz – 18 GHz, Peak



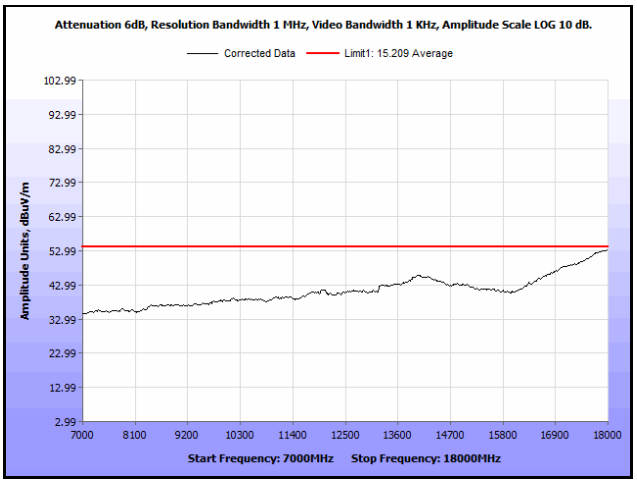
Plot 539. Radiated Spurious Emissions, 802.11a 20 MH, Channel 64, 30 MHz – 1 GHz



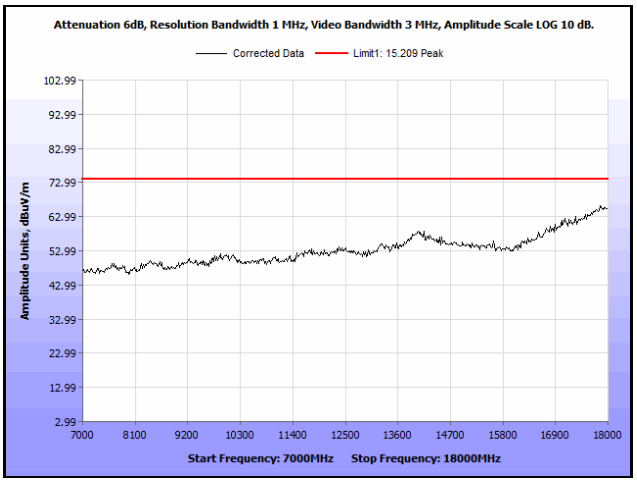
Plot 540. Radiated Spurious Emissions, 802.11a 20 MH, Channel 64, 1 GHz – 7 GHz, Average



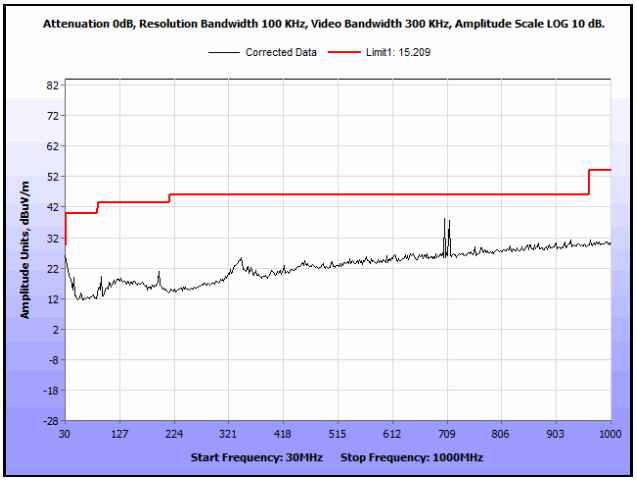
Plot 541. Radiated Spurious Emissions, 802.11a 20 MH, Channel 64, 1 GHz – 7 GHz, Peak



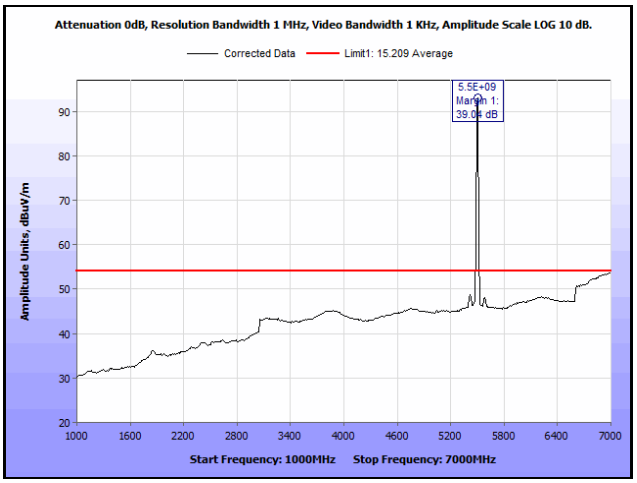
Plot 542. Radiated Spurious Emissions, 802.11a 20 MH, Channel 64, 7 GHz – 18 GHz, Average



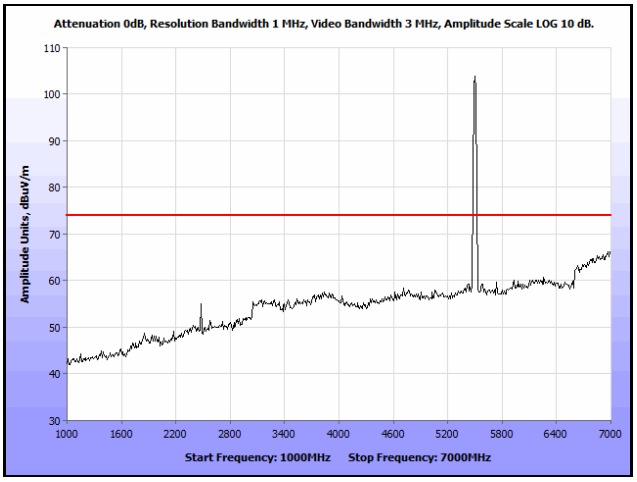
Plot 543. Radiated Spurious Emissions, 802.11a 20 MH, Channel 64, 7 GHz – 18 GHz, Peak



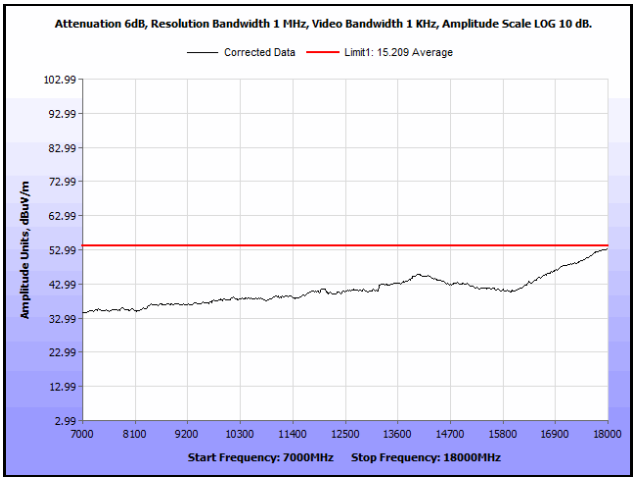
Plot 544. Radiated Spurious Emissions, 802.11a 20 MH, Channel 100, 30 MHz – 1 GHz



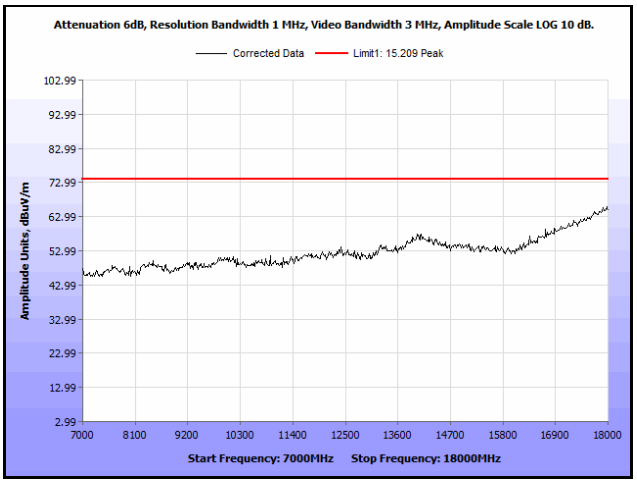
Plot 545. Radiated Spurious Emissions, 802.11a 20 MH, Channel 100, 1 GHz – 7 GHz, Average



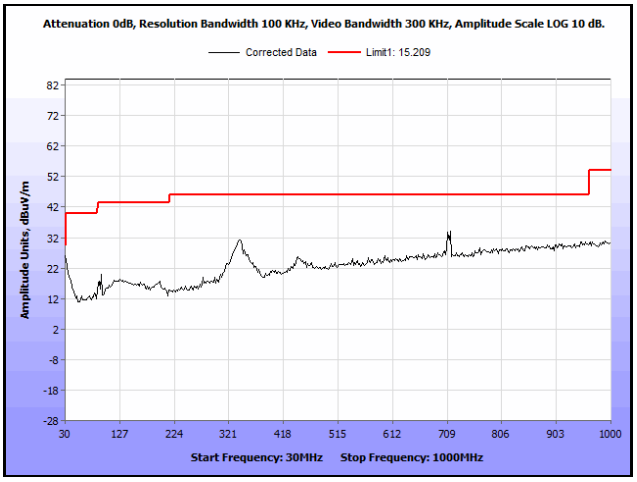
Plot 546. Radiated Spurious Emissions, 802.11a 20 MH, Channel 100, 1 GHz – 7 GHz, Peak



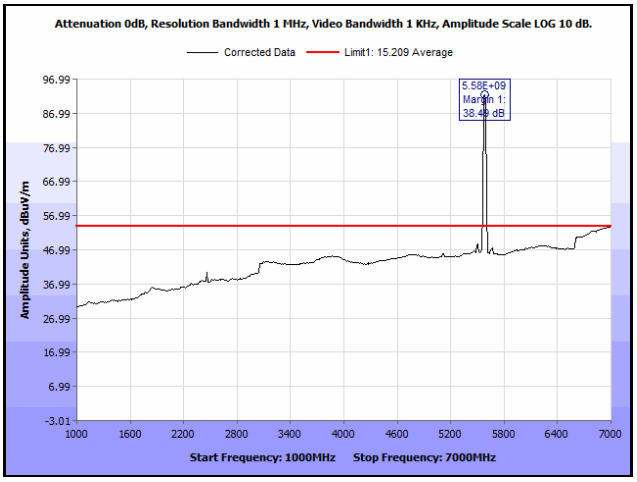
Plot 547. Radiated Spurious Emissions, 802.11a 20 MH, Channel 100, 7 GHz – 18 GHz, Average



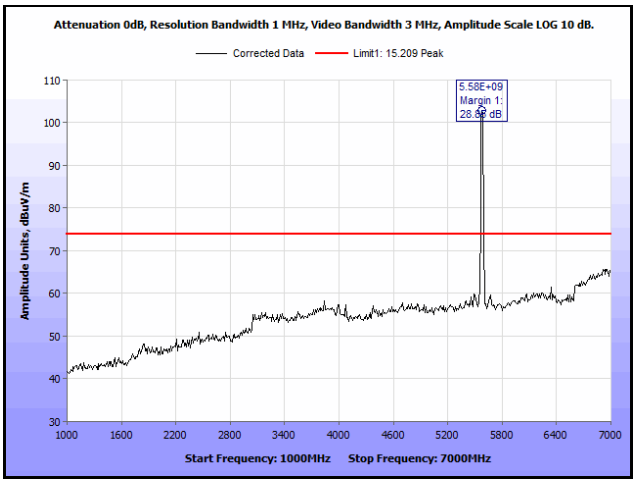
Plot 548. Radiated Spurious Emissions, 802.11a 20 MH, Channel 100, 7 GHz – 18 GHz, Peak



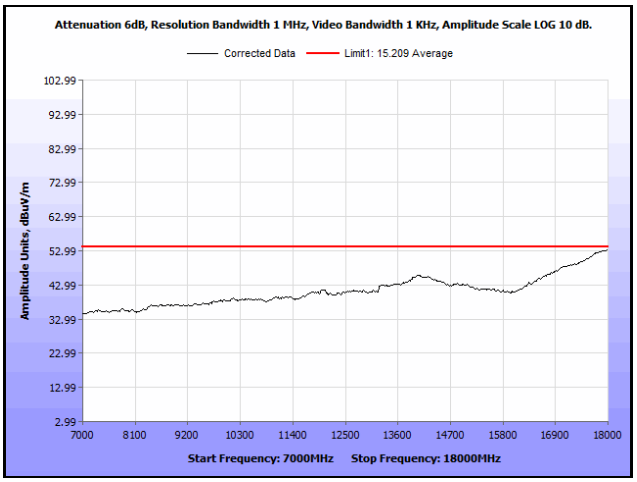
Plot 549. Radiated Spurious Emissions, 802.11a 20 MH, Channel 116, 30 MHz – 1 GHz



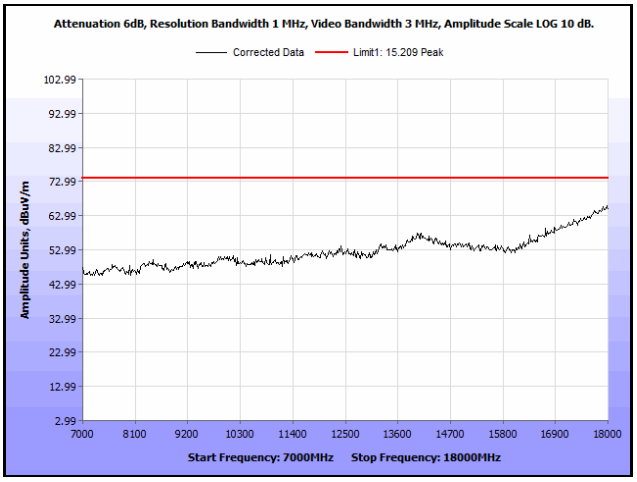
Plot 550. Radiated Spurious Emissions, 802.11a 20 MH, Channel 116, 1 GHz – 7 GHz, Average



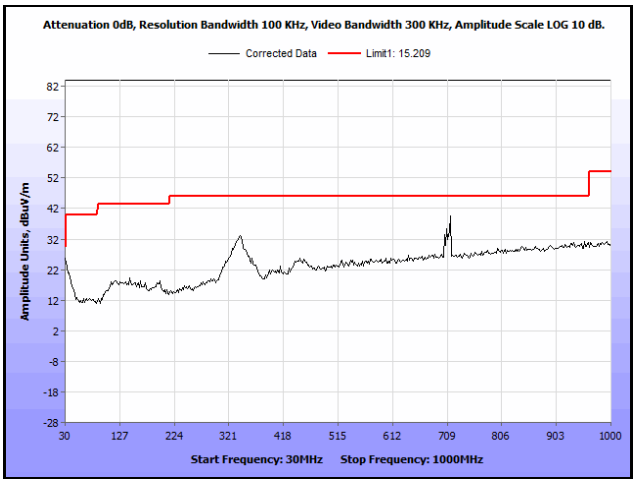
Plot 551. Radiated Spurious Emissions, 802.11a 20 MH, Channel 116, 1 GHz – 7 GHz, Peak



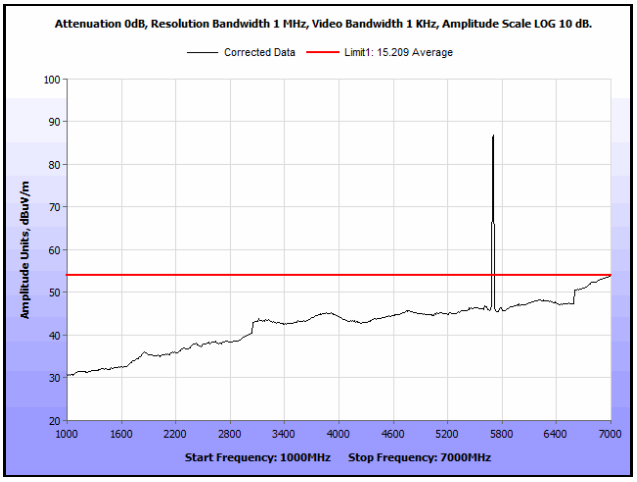
Plot 552. Radiated Spurious Emissions, 802.11a 20 MH, Channel 116, 7 GHz – 18 GHz, Average



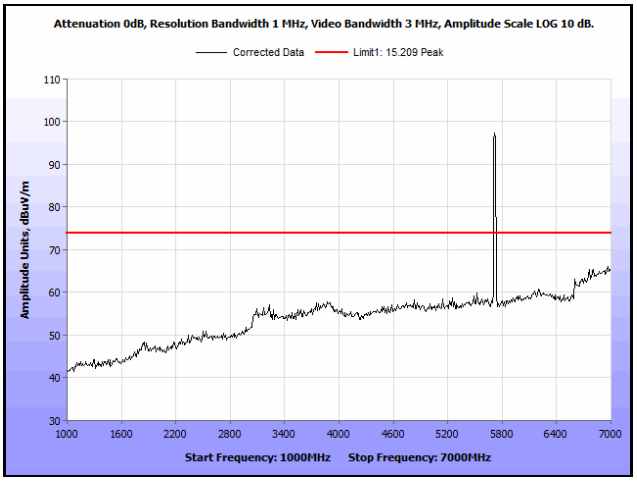
Plot 553. Radiated Spurious Emissions, 802.11a 20 MH, Channel 116, 7 GHz – 18 GHz, Peak



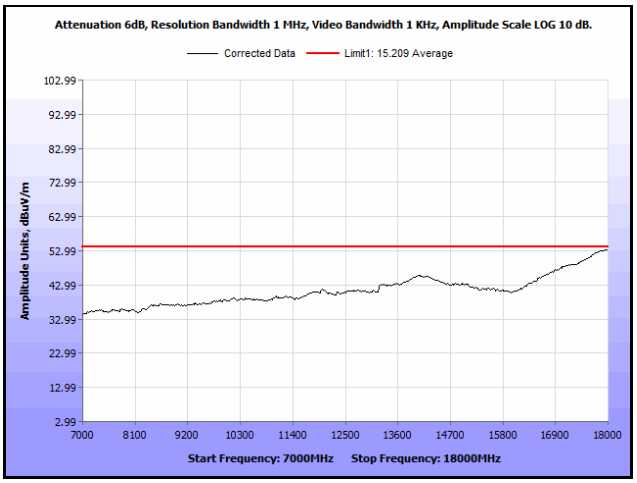
Plot 554. Radiated Spurious Emissions, 802.11a 20 MH, Channel 144, 30 MHz – 1 GHz



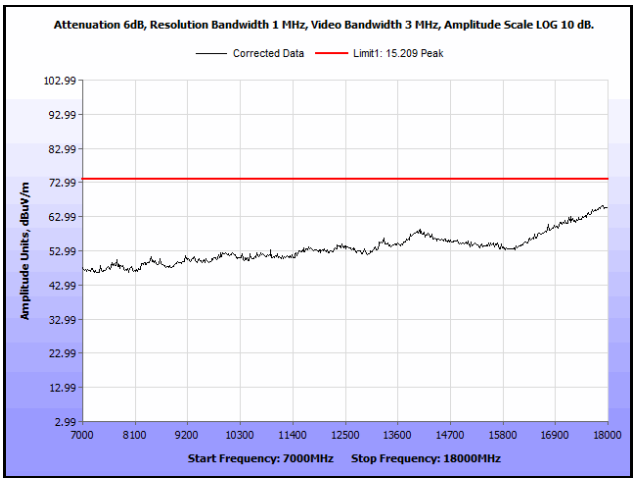
Plot 555. Radiated Spurious Emissions, 802.11a 20 MH, Channel 144, 1 GHz – 7 GHz, Average



Plot 556. Radiated Spurious Emissions, 802.11a 20 MH, Channel 144, 1 GHz – 7 GHz, Peak

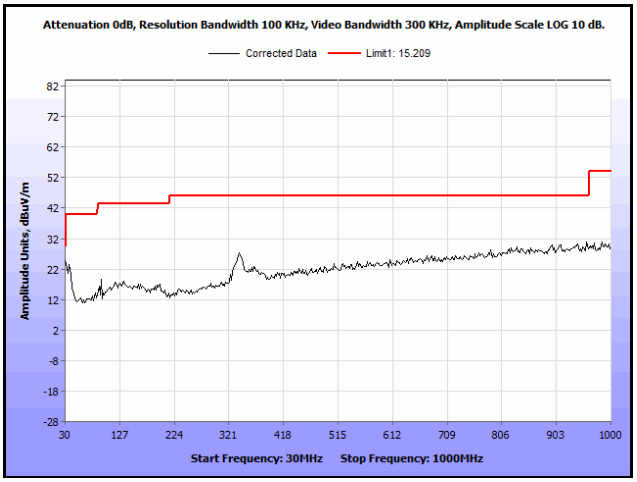


Plot 557. Radiated Spurious Emissions, 802.11a 20 MH, Channel 144, 7 GHz – 18 GHz, Average

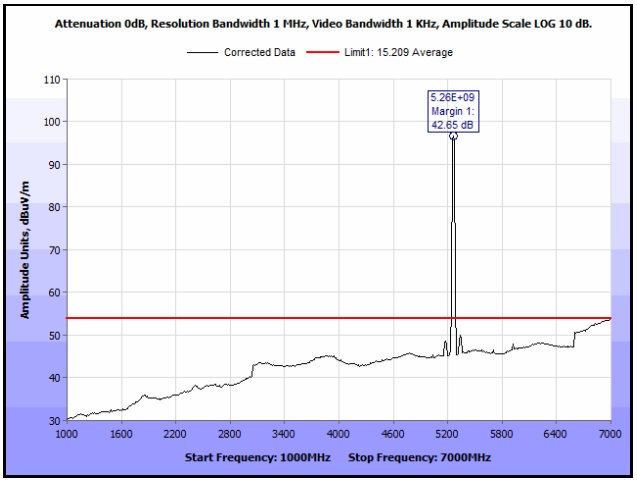


Plot 558. Radiated Spurious Emissions, 802.11a 20 MH, Channel 144, 7 GHz – 18 GHz, Peak

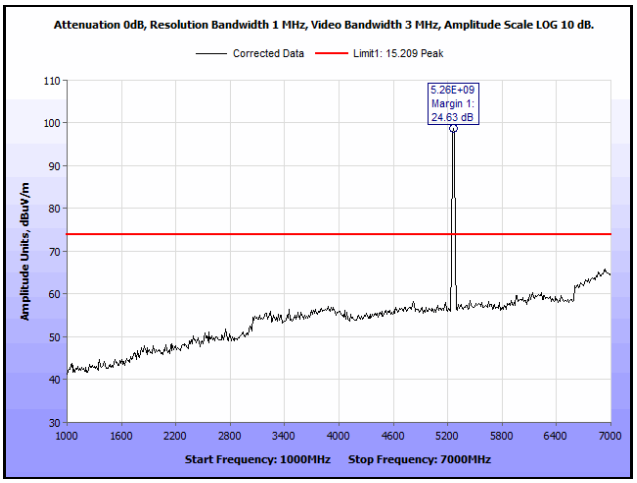
Radiated Spurious Emissions, 802.11ac 20 MHz, 1SS



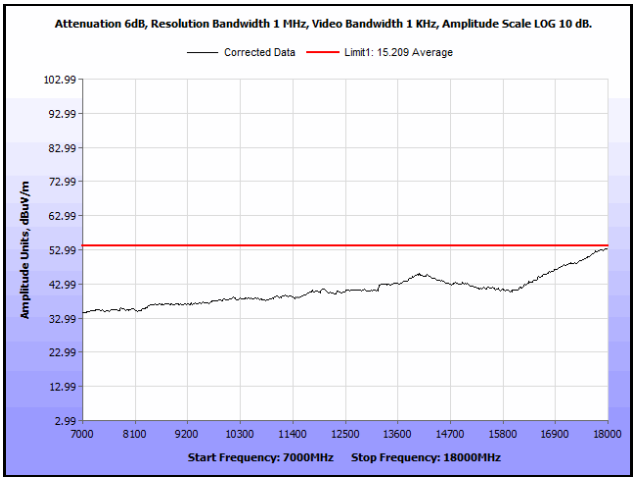
Plot 559. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 1SS, 30 MHz – 1 GHz



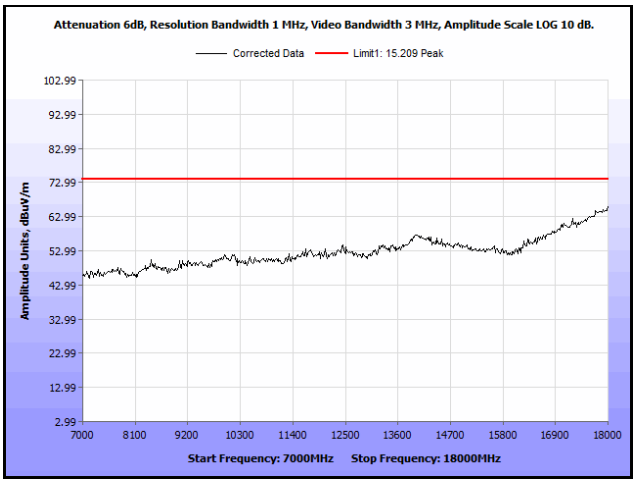
Plot 560. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 1SS, 1 GHz – 7 GHz, Average



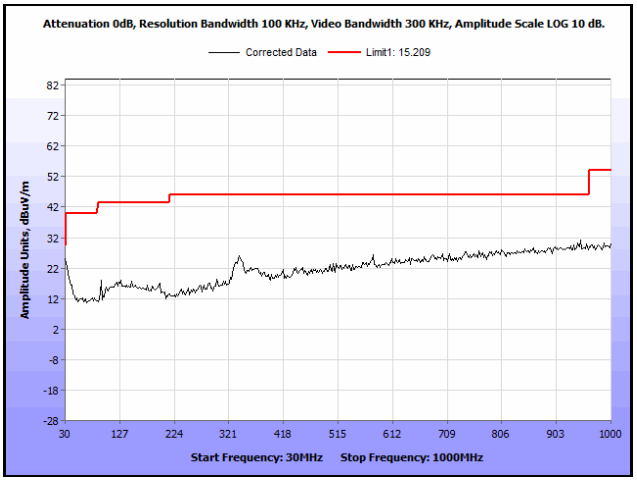
Plot 561. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 1SS, 1 GHz – 7 GHz, Peak



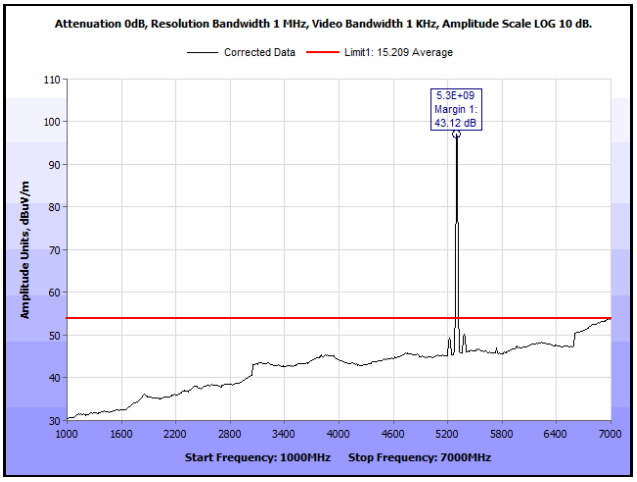
Plot 562. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 1SS, 7 GHz – 18 GHz, Average



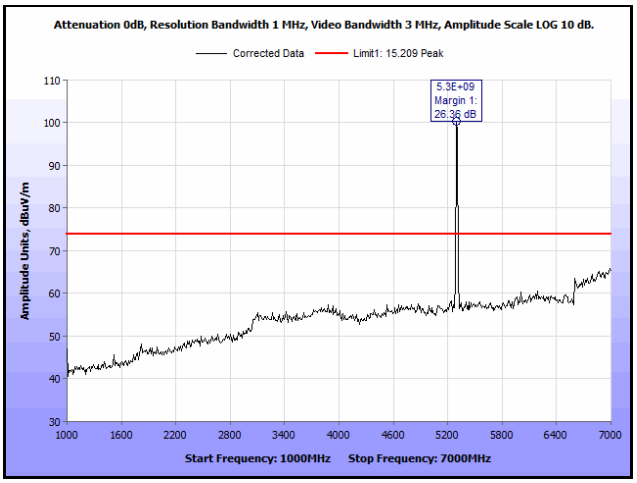
Plot 563. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 1SS, 7 GHz – 18 GHz, Peak



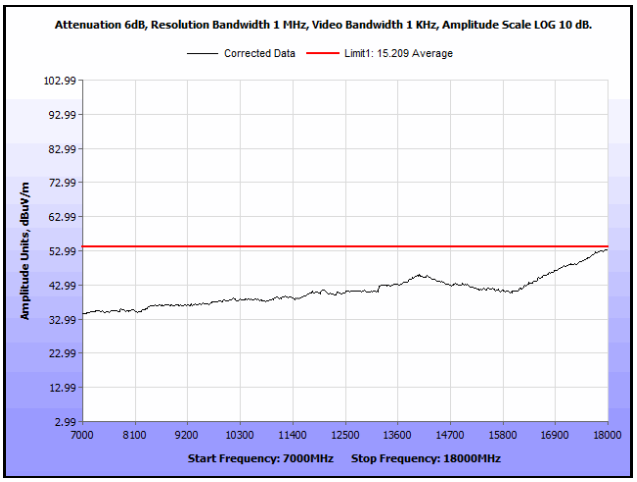
Plot 564. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 1SS, 30 MHz – 1 GHz



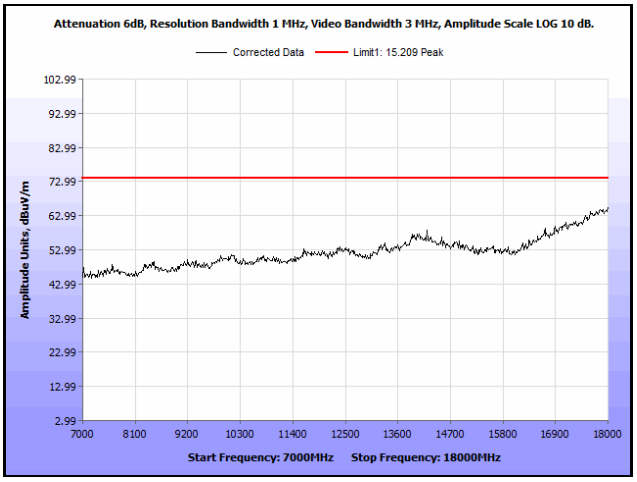
Plot 565. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 1SS, 1 GHz – 7 GHz, Average



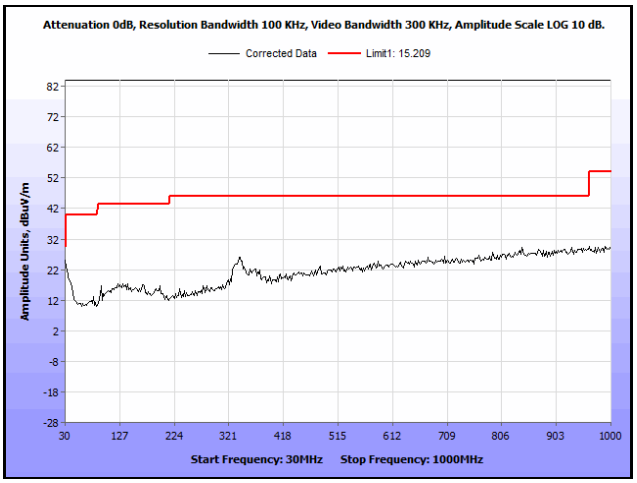
Plot 566. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 1SS, 1 GHz – 7 GHz, Peak



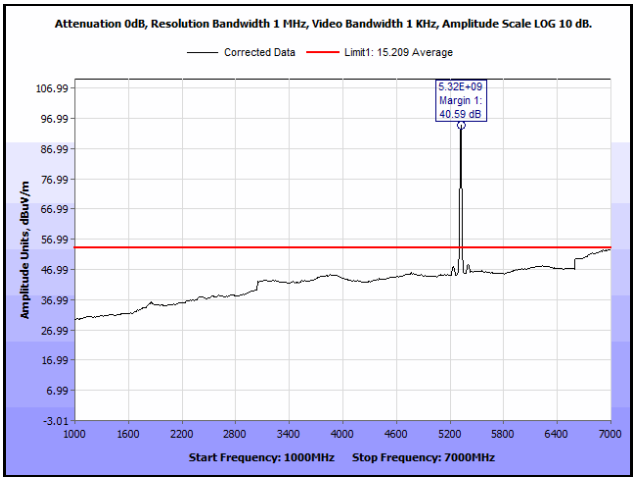
Plot 567. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 1SS, 7 GHz – 18 GHz, Average



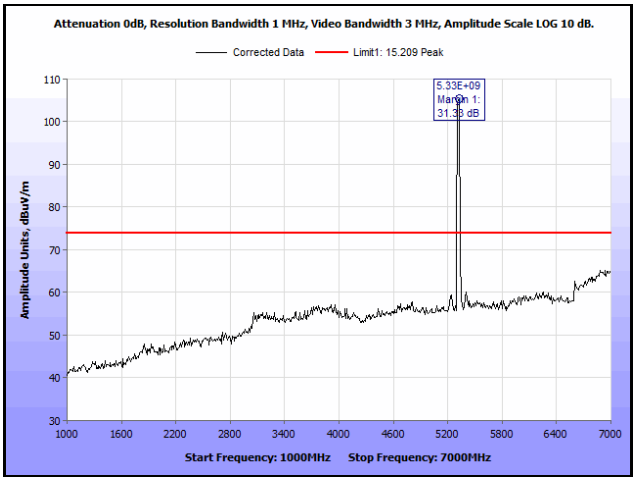
Plot 568. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 1SS, 7 GHz – 18 GHz, Peak



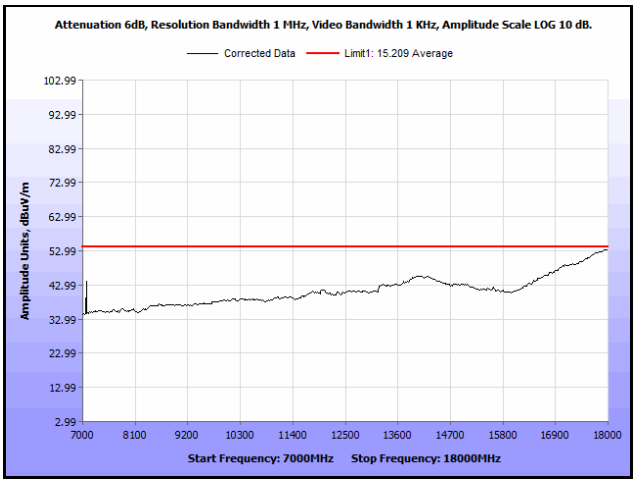
Plot 569. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 1SS, 30 MHz – 1 GHz



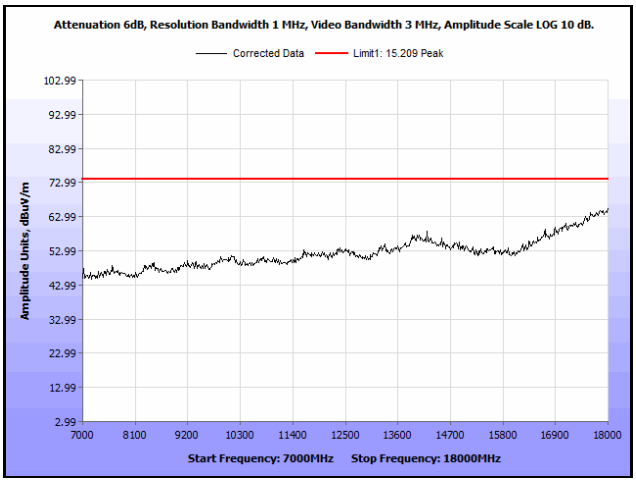
Plot 570. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 1SS, 1 GHz – 7 GHz, Average



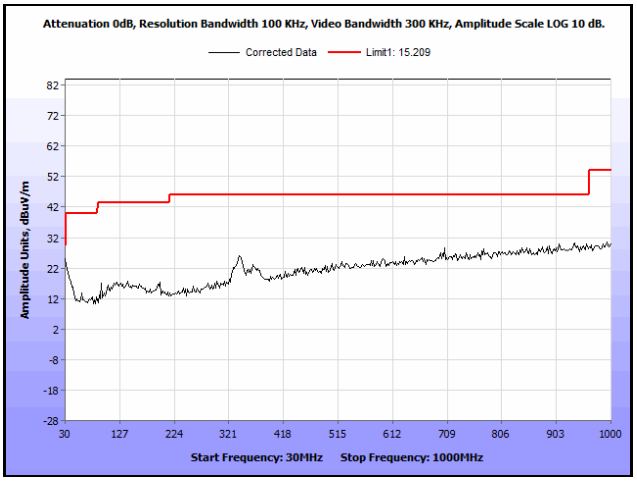
Plot 571. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 1SS, 1 GHz – 7 GHz, Peak



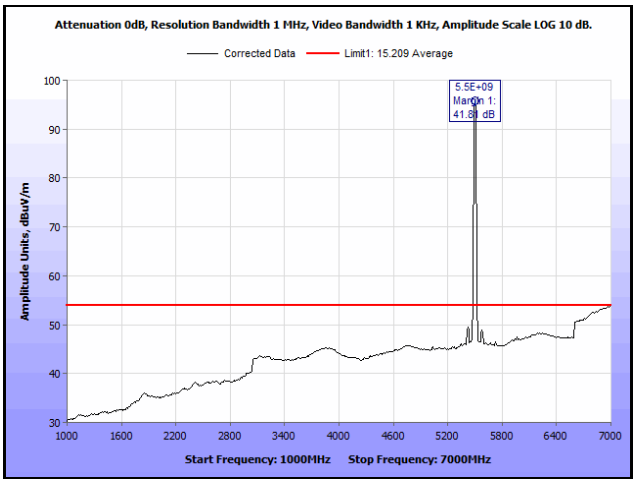
Plot 572. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 1SS, 7 GHz – 18 GHz, Average



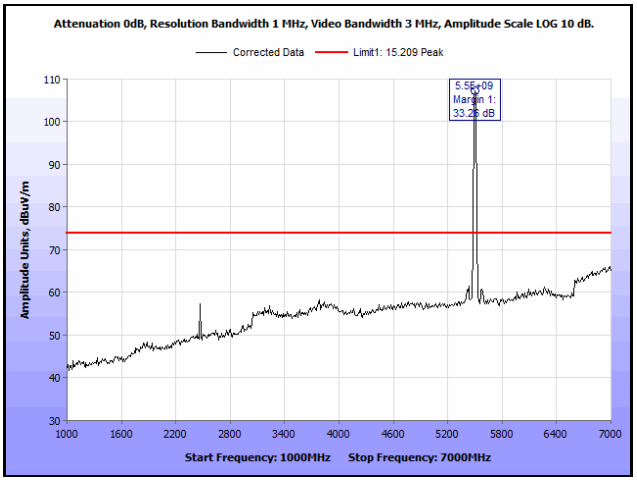
Plot 573. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 1SS, 7 GHz – 18 GHz, Peak



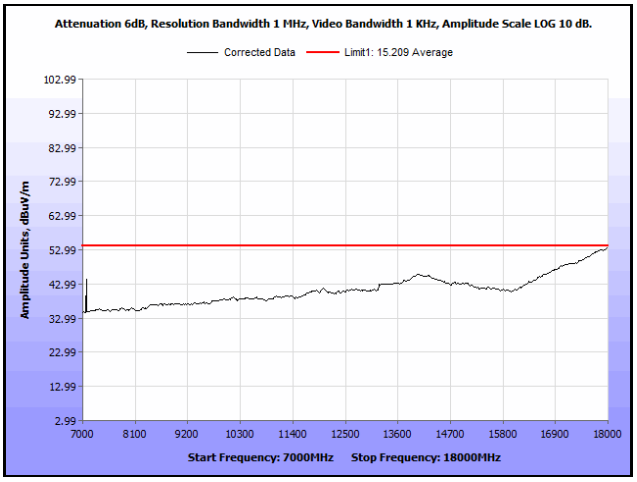
Plot 574. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 1SS, 30 MHz – 1 GHz



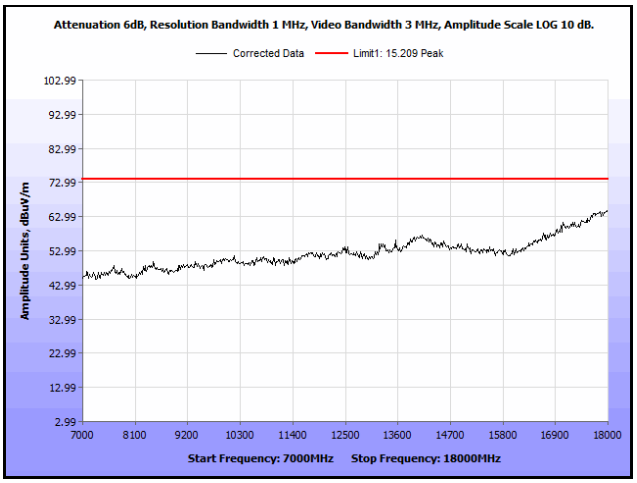
Plot 575. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 1SS, 1 GHz – 7 GHz, Average



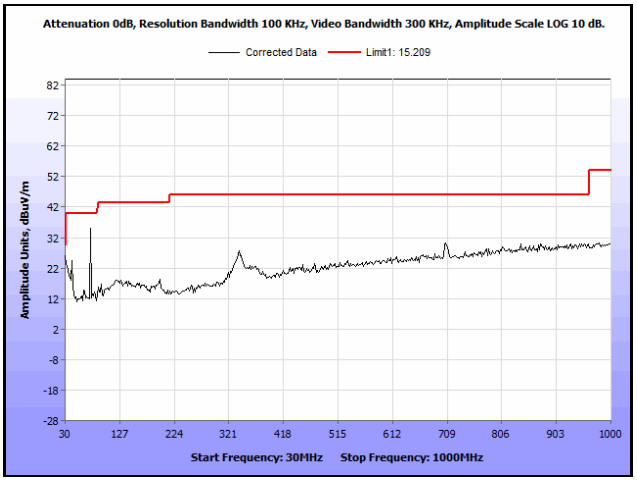
Plot 576. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 1SS, 1 GHz – 7 GHz, Peak



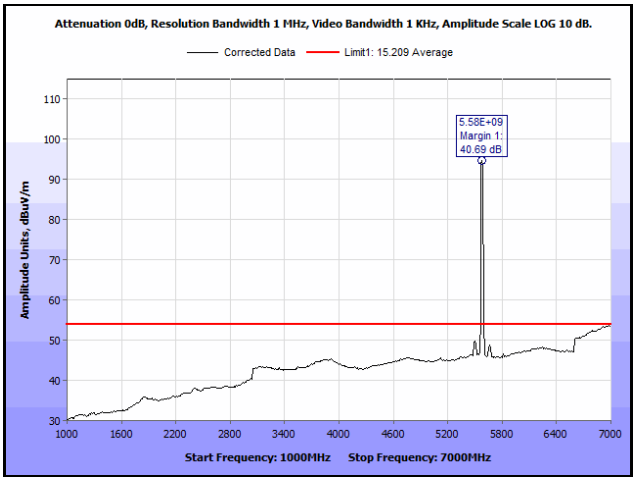
Plot 577. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 1SS, 7 GHz – 18 GHz, Average



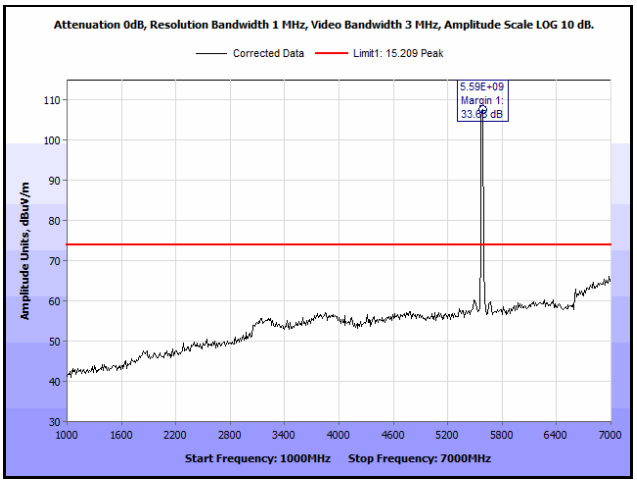
Plot 578. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 1SS, 7 GHz – 18 GHz, Peak



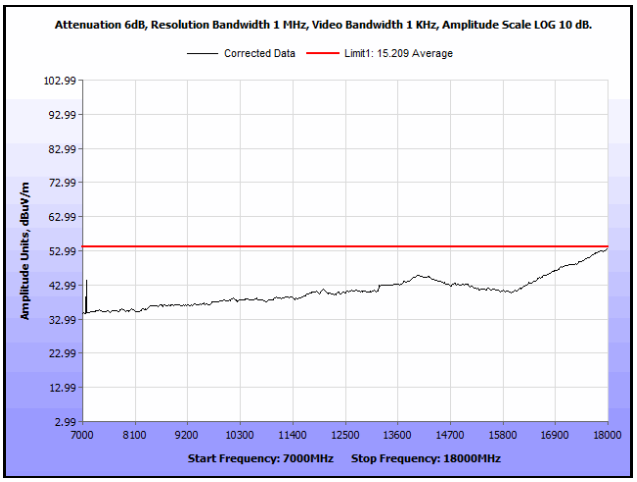
Plot 579. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 1SS, 30 MHz – 1 GHz



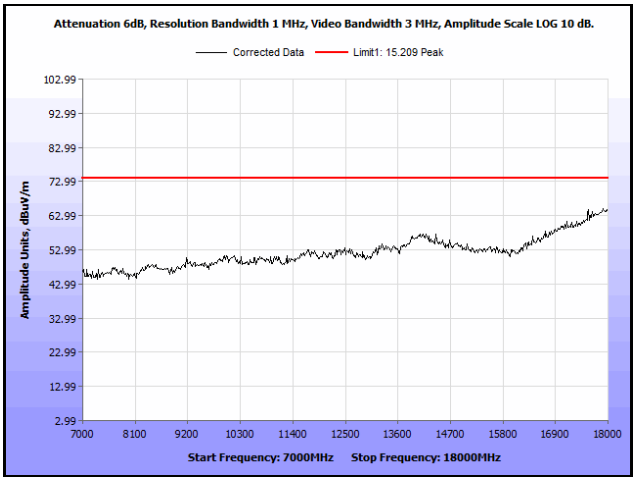
Plot 580. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 1SS, 1 GHz – 7 GHz, Average



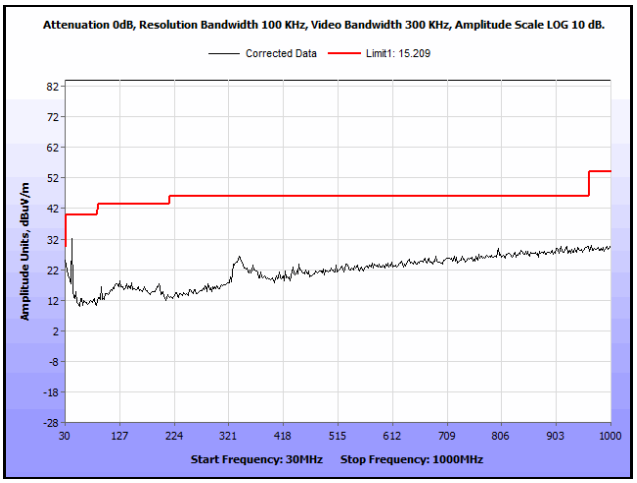
Plot 581. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 1SS, 1 GHz – 7 GHz, Peak



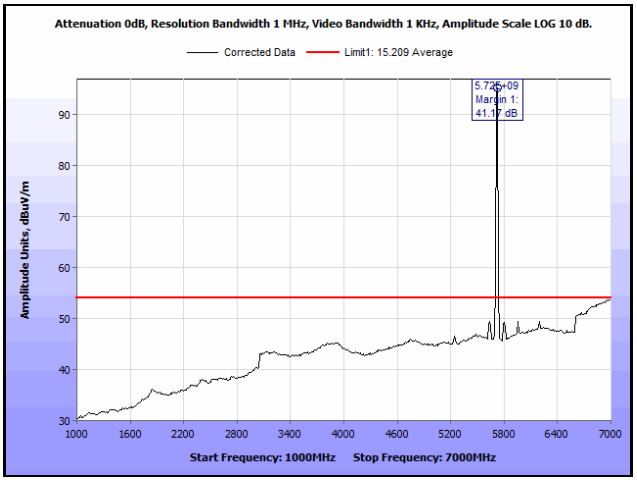
Plot 582. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 1SS, 7 GHz – 18 GHz, Average



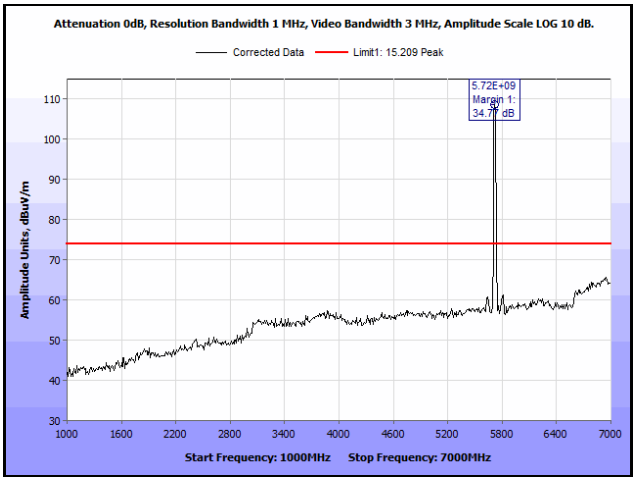
Plot 583. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 1SS, 7 GHz – 18 GHz, Peak



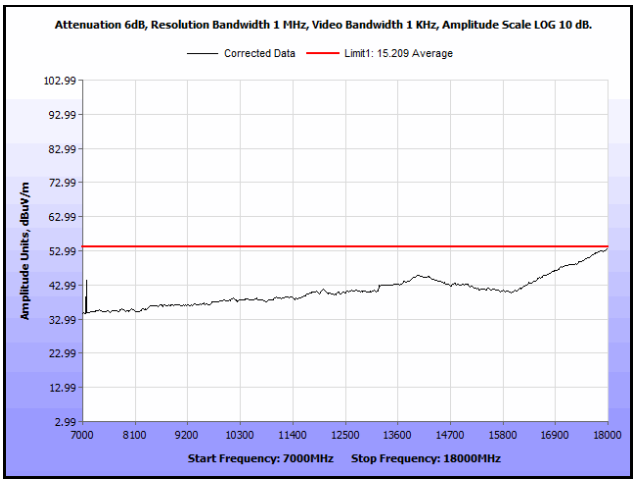
Plot 584. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 1SS, 30 MHz – 1 GHz



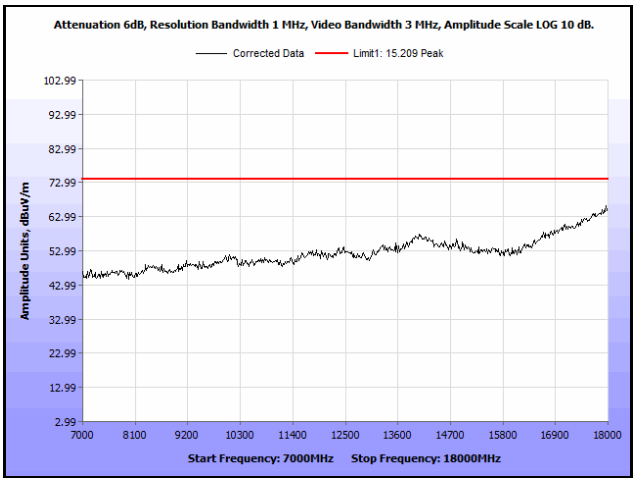
Plot 585. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 1SS, 1 GHz – 7 GHz, Average



Plot 586. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 1SS, 1 GHz – 7 GHz, Peak

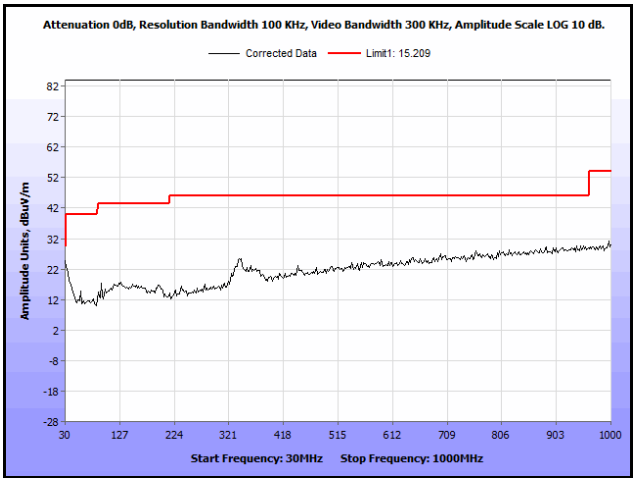


Plot 587. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 1SS, 7 GHz – 18 GHz, Average

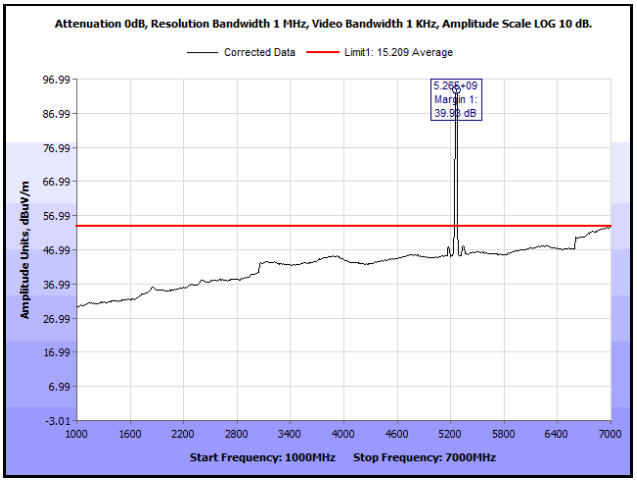


Plot 588. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 1SS, 7 GHz – 18 GHz, Peak

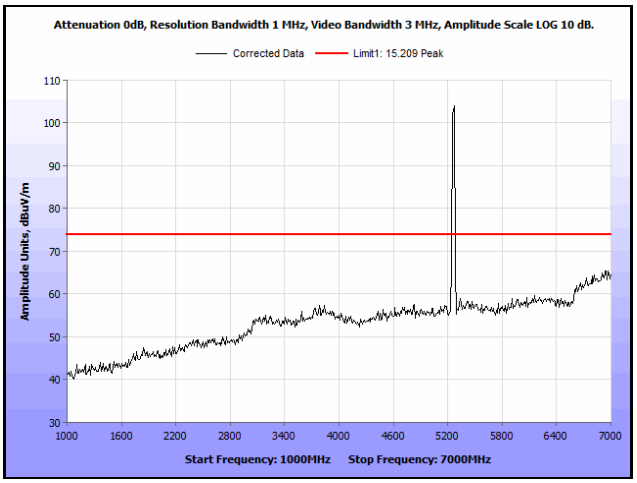
Radiated Spurious Emissions, 802.11ac 20 MHz, 2SS



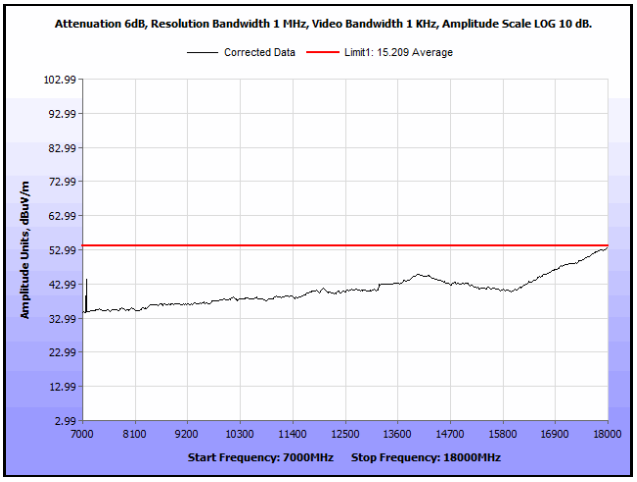
Plot 589. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 2SS, 30 MHz – 1 GHz



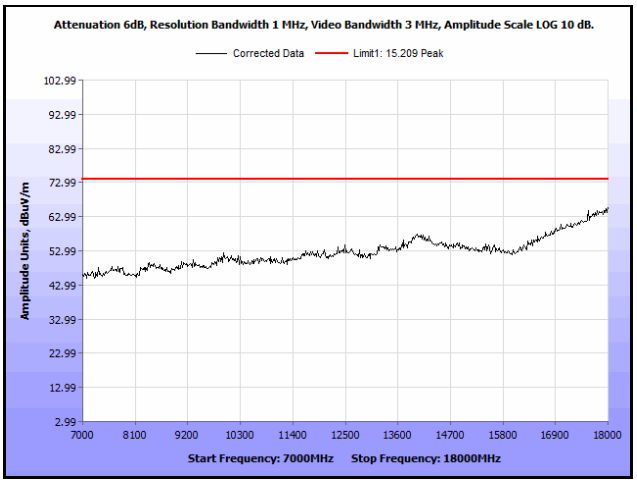
Plot 590. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 2SS, 1 GHz – 7 GHz, Average



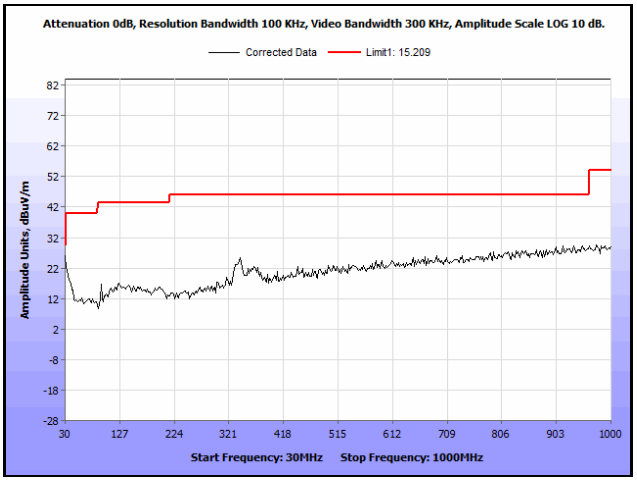
Plot 591. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 2SS, 1 GHz – 7 GHz, Peak



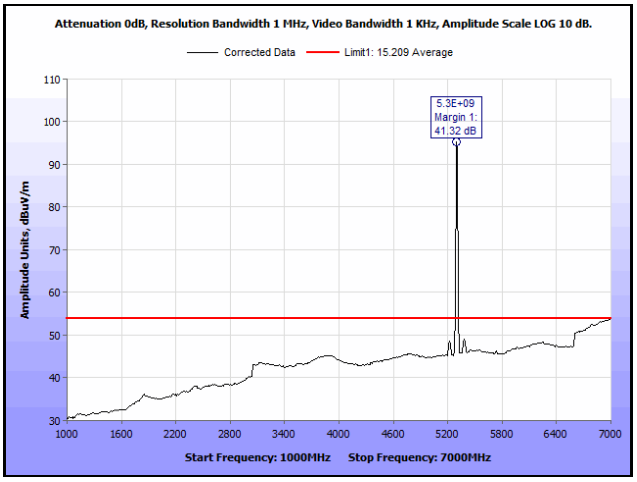
Plot 592. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 2SS, 7 GHz – 18 GHz, Average



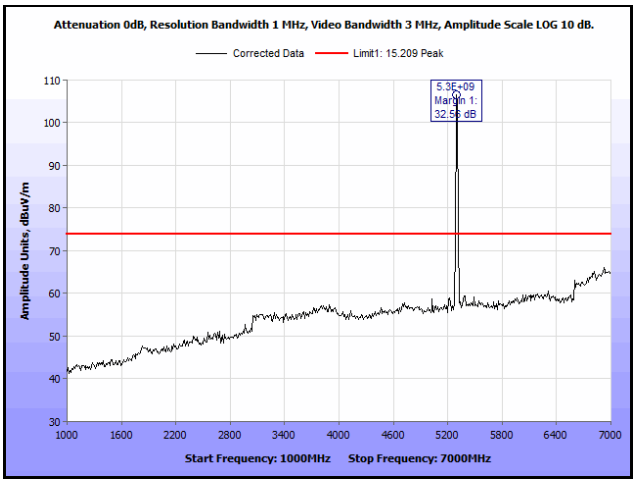
Plot 593. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 2SS, 7 GHz – 18 GHz, Peak



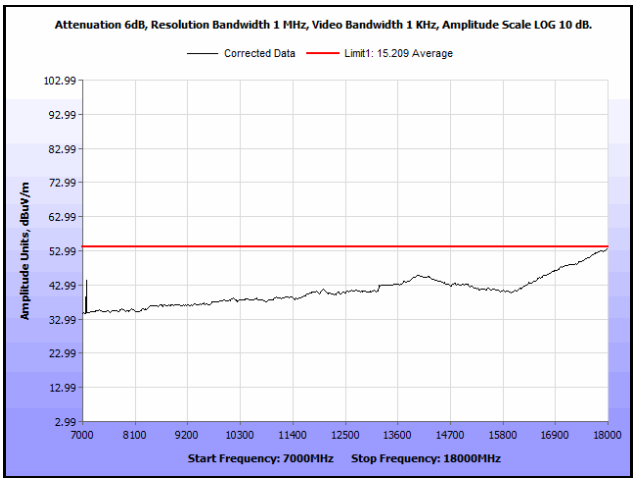
Plot 594. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 2SS, 30 MHz – 1 GHz



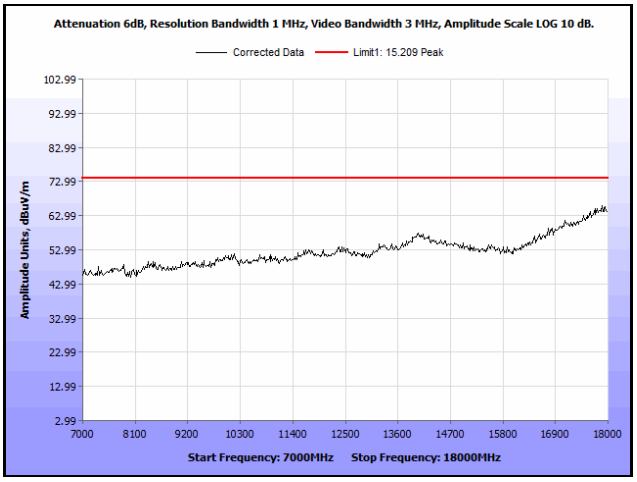
Plot 595. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 2SS, 1 GHz – 7 GHz, Average



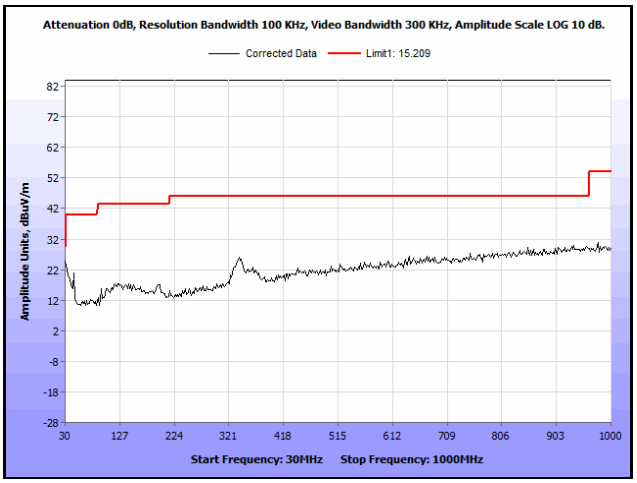
Plot 596. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 2SS, 1 GHz – 7 GHz, Peak



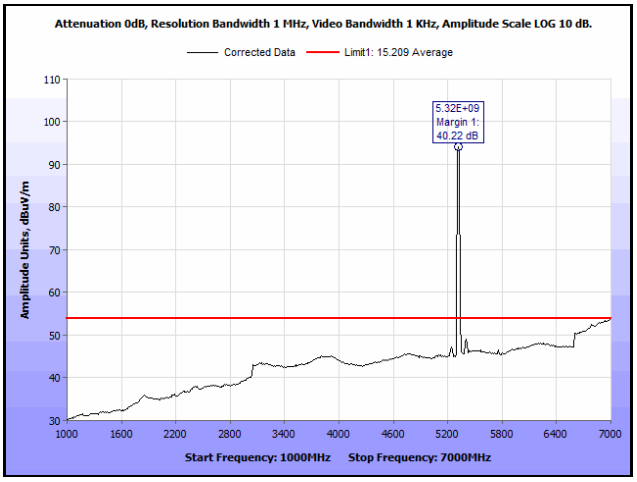
Plot 597. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 2SS, 7 GHz – 18 GHz, Average



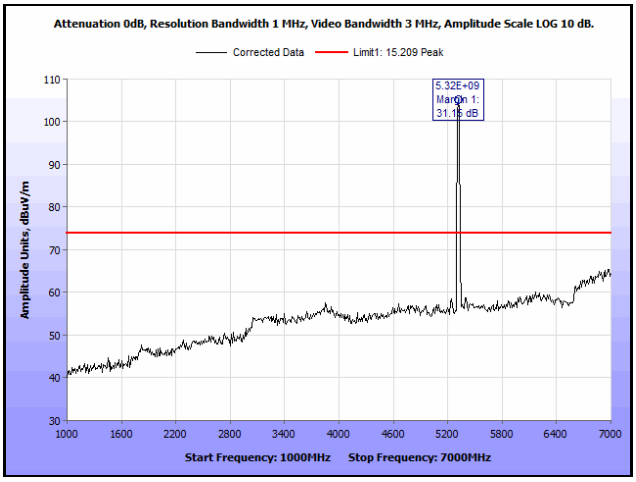
Plot 598. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 2SS, 7 GHz – 18 GHz, Peak



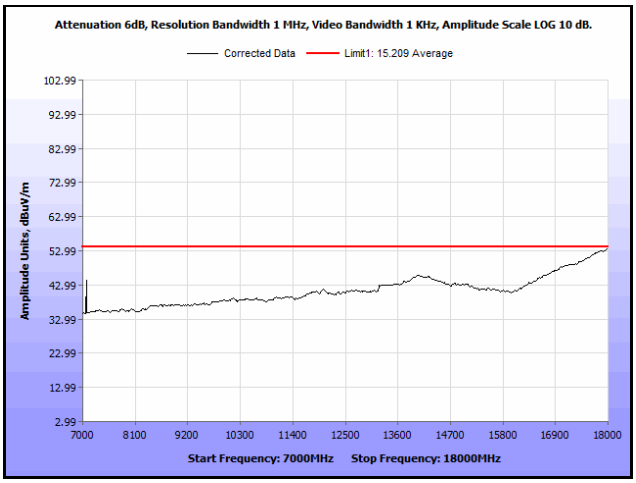
Plot 599. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 2SS, 30 MHz – 1 GHz



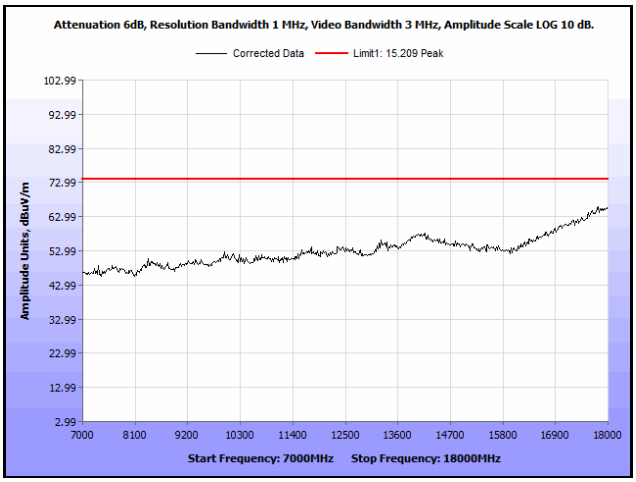
Plot 600. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 2SS, 1 GHz – 7 GHz, Average



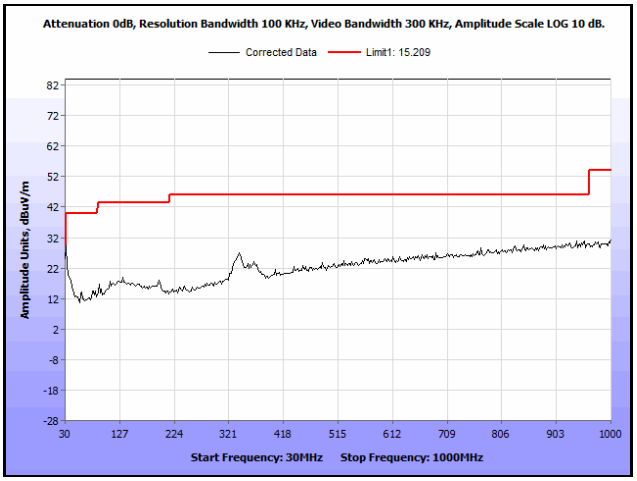
Plot 601. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 2SS, 1 GHz – 7 GHz, Peak



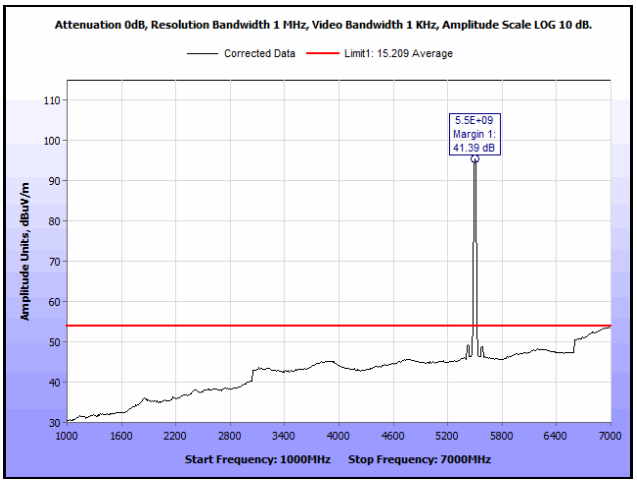
Plot 602. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 2SS, 7 GHz – 18 GHz, Average



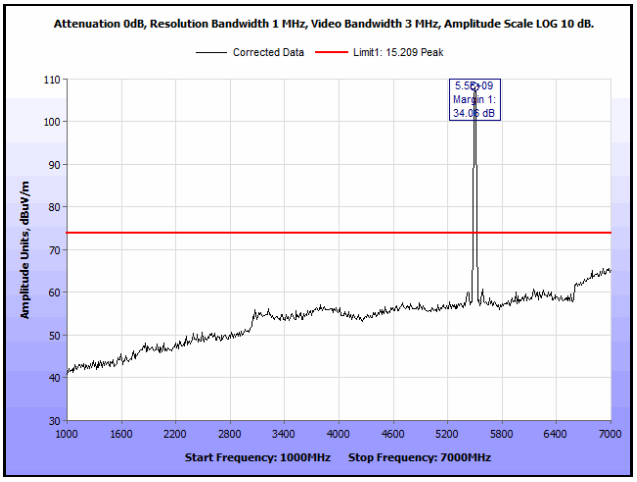
Plot 603. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 2SS, 7 GHz – 18 GHz, Peak



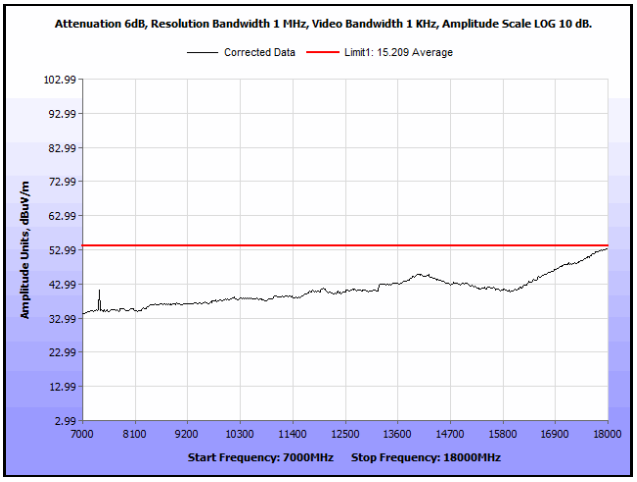
Plot 604. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 2SS, 30 MHz – 1 GHz



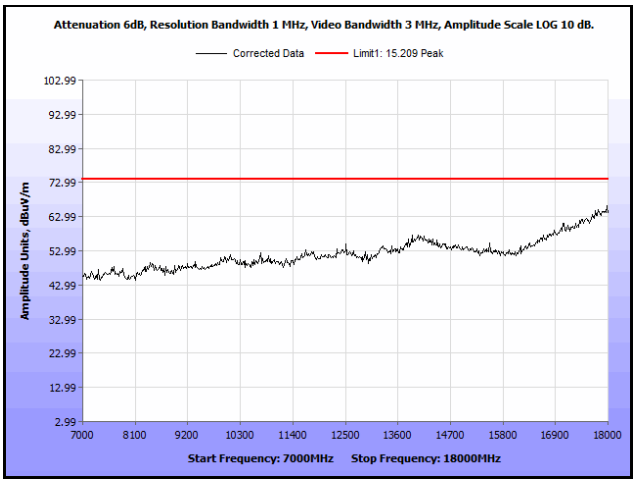
Plot 605. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 2SS, 1 GHz – 7 GHz, Average



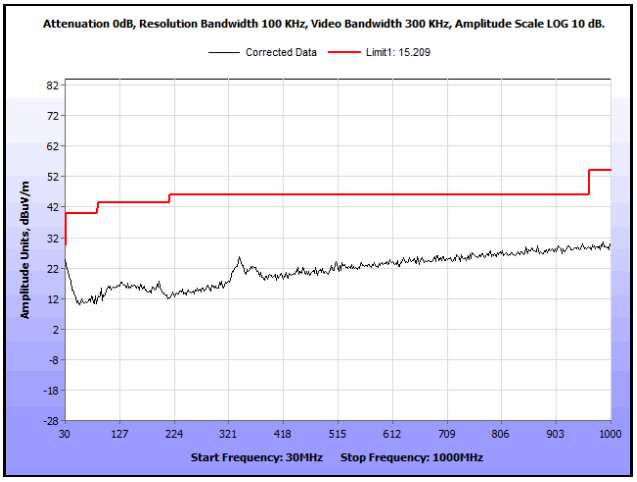
Plot 606. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 2SS, 1 GHz – 7 GHz, Peak



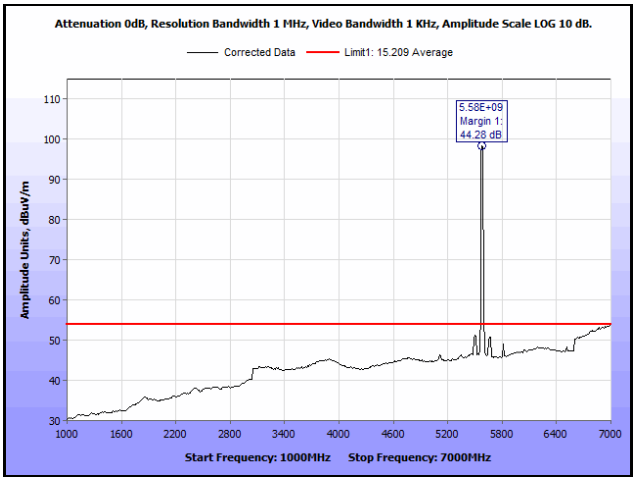
Plot 607. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 2SS, 7 GHz – 18 GHz, Average



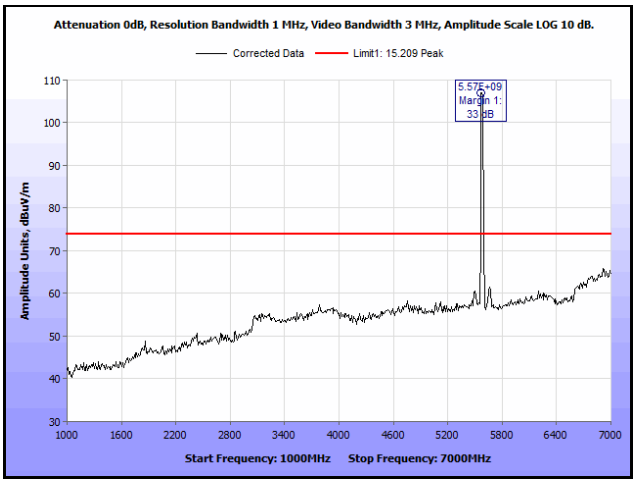
Plot 608. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 2SS, 7 GHz – 18 GHz, Peak



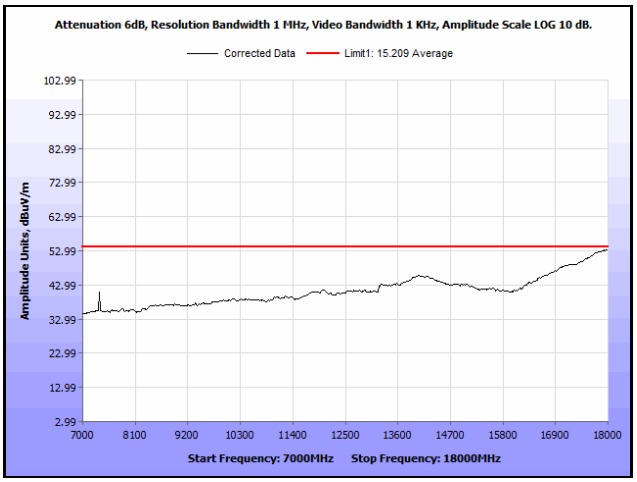
Plot 609. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 2SS, 30 MHz – 1 GHz



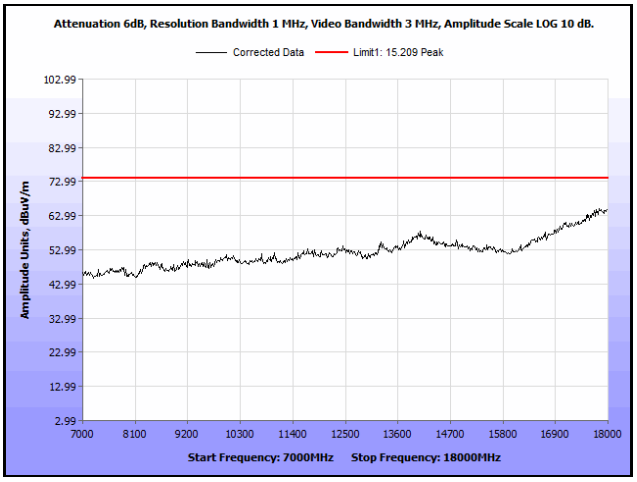
Plot 610. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 2SS, 1 GHz – 7 GHz, Average



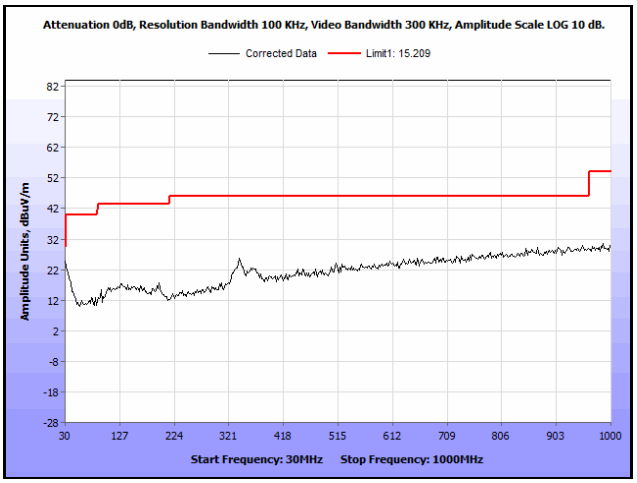
Plot 611. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 2SS, 1 GHz – 7 GHz, Peak



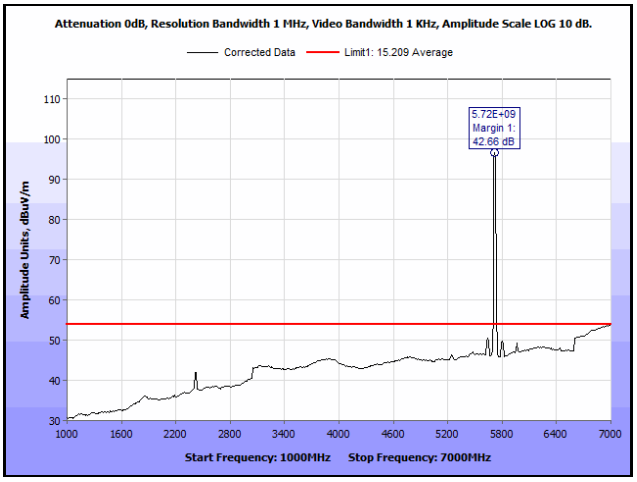
Plot 612. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 2SS, 7 GHz – 18 GHz, Average



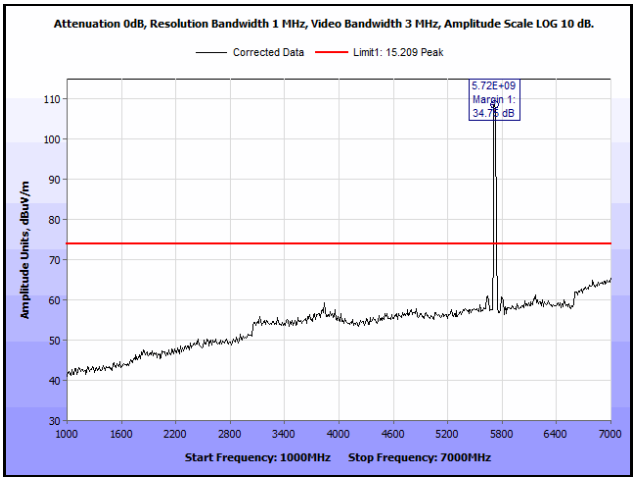
Plot 613. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 2SS, 7 GHz – 18 GHz, Peak



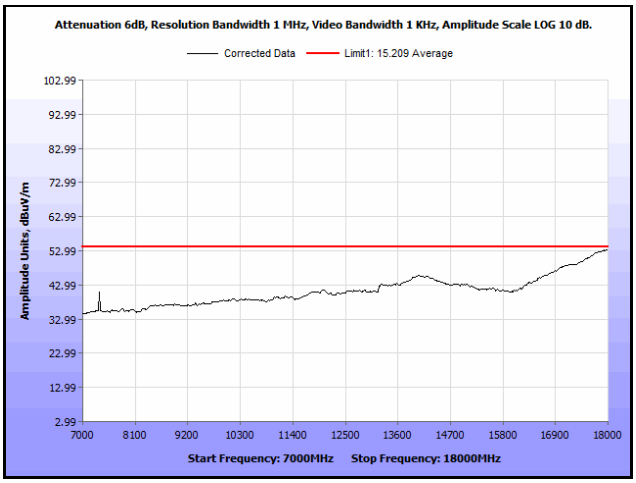
Plot 614. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 2SS, 30 MHz – 1 GHz



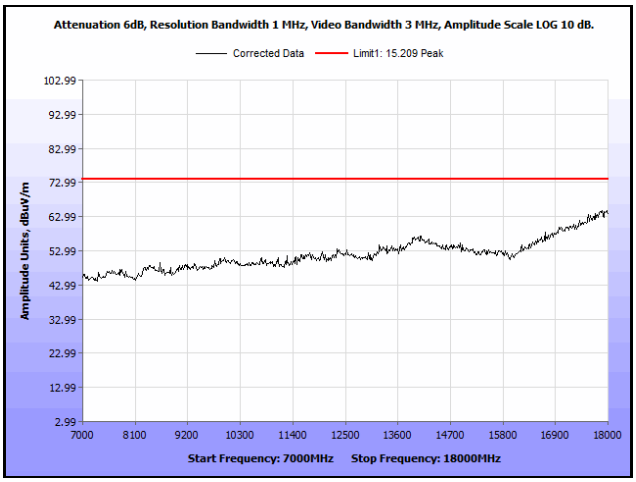
Plot 615. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 2SS, 1 GHz – 7 GHz, Average



Plot 616. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 2SS, 1 GHz – 7 GHz, Peak

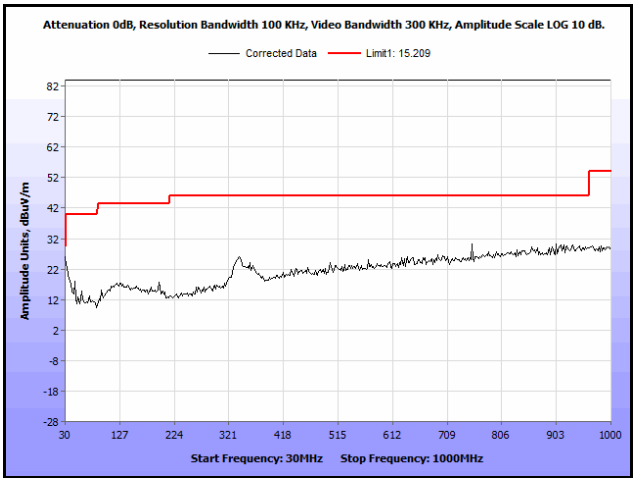


Plot 617. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 2SS, 7 GHz – 18 GHz, Average

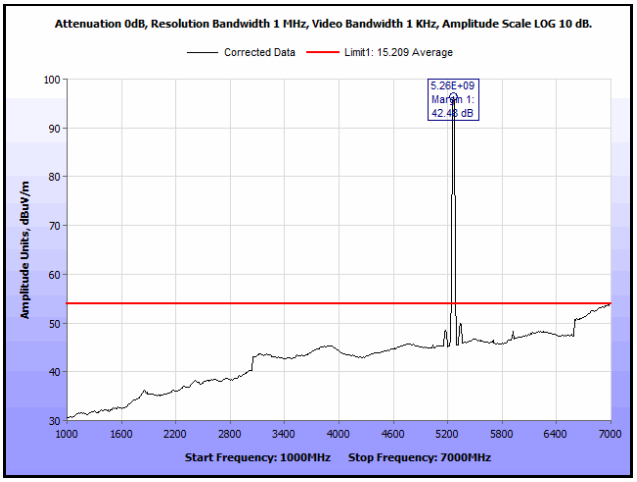


Plot 618. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 2SS, 7 GHz – 18 GHz, Peak

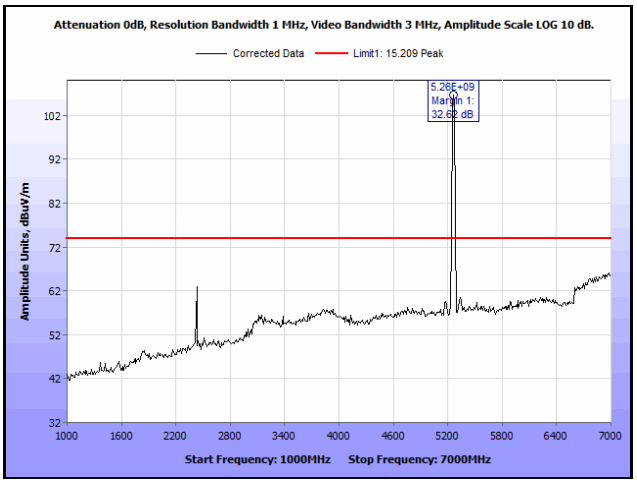
Radiated Spurious Emissions, 802.11ac 20 MHz, 3SS



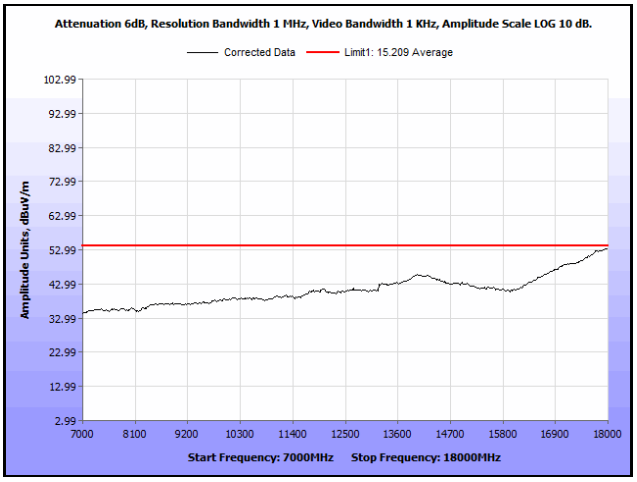
Plot 619. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 3SS, 30 MHz – 1 GHz



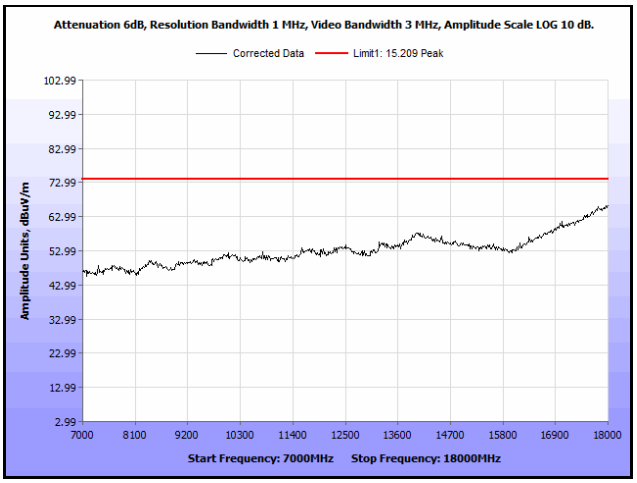
Plot 620. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 3SS, 1 GHz – 7 GHz, Average



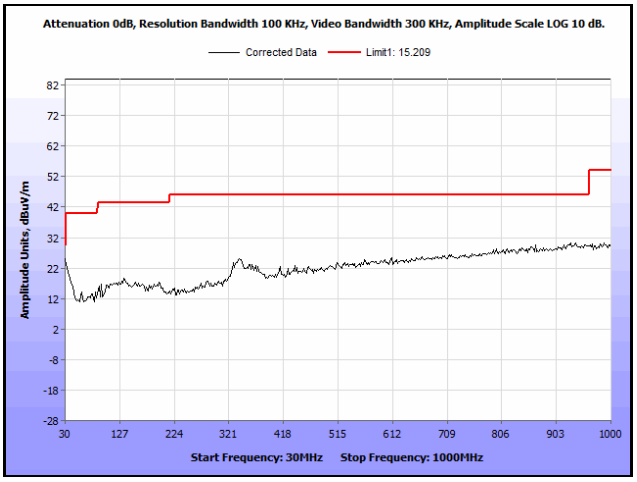
Plot 621. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 3SS, 1 GHz – 7 GHz, Peak



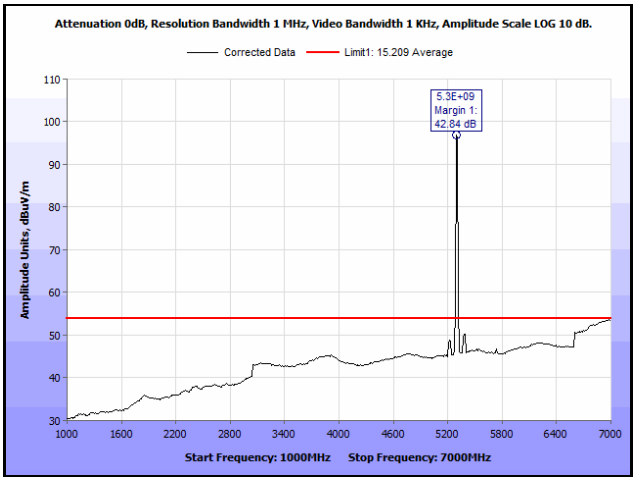
Plot 622. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 3SS, 7 GHz – 18 GHz, Average



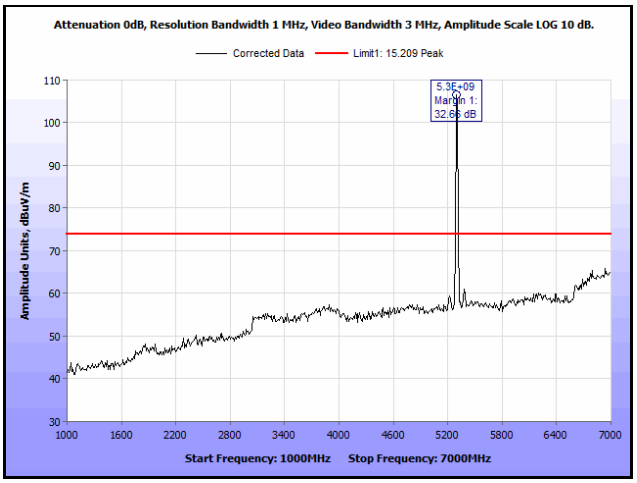
Plot 623. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 52, 3SS, 7 GHz – 18 GHz, Peak



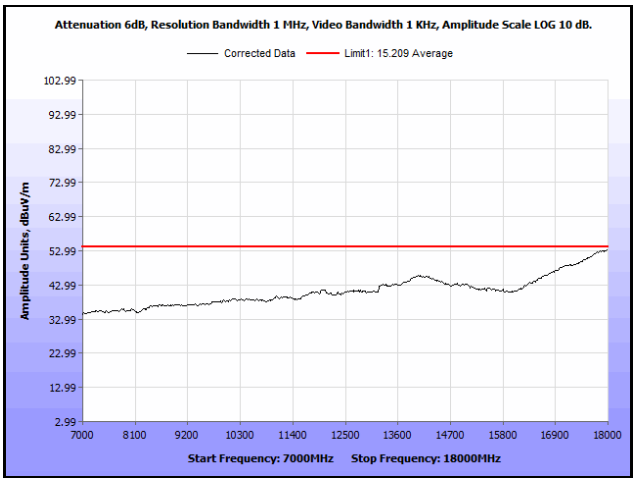
Plot 624. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 3SS, 30 MHz – 1 GHz



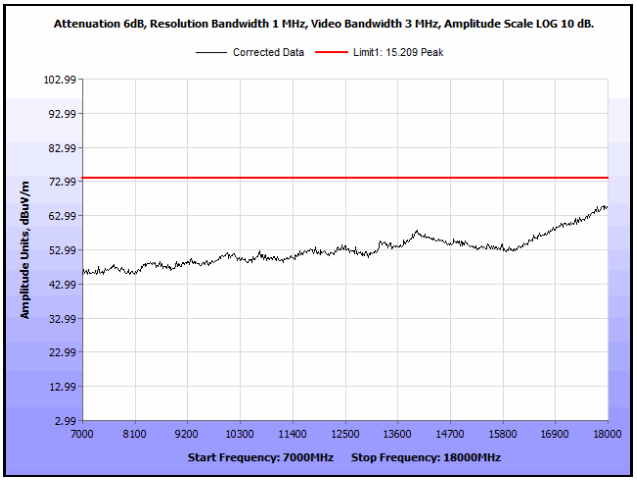
Plot 625. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 3SS, 1 GHz – 7 GHz, Average



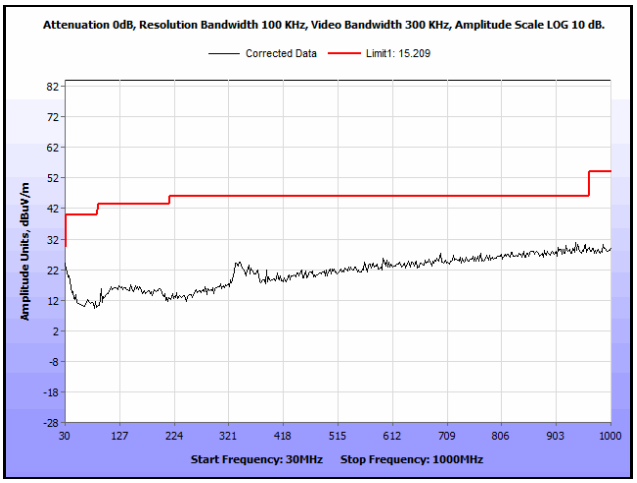
Plot 626. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 3SS, 1 GHz – 7 GHz, Peak



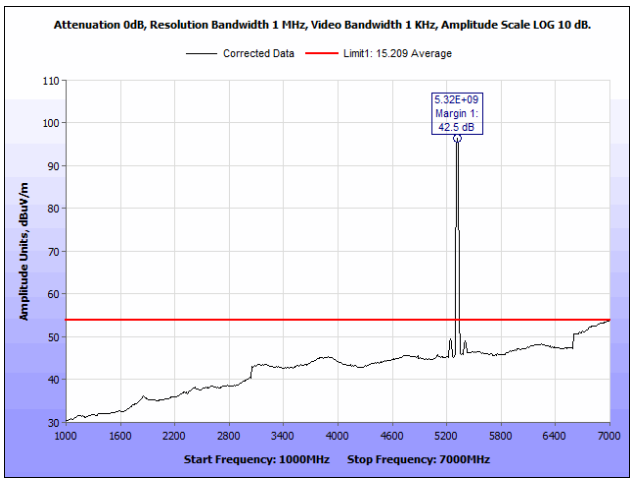
Plot 627. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 3SS, 7 GHz – 18 GHz, Average



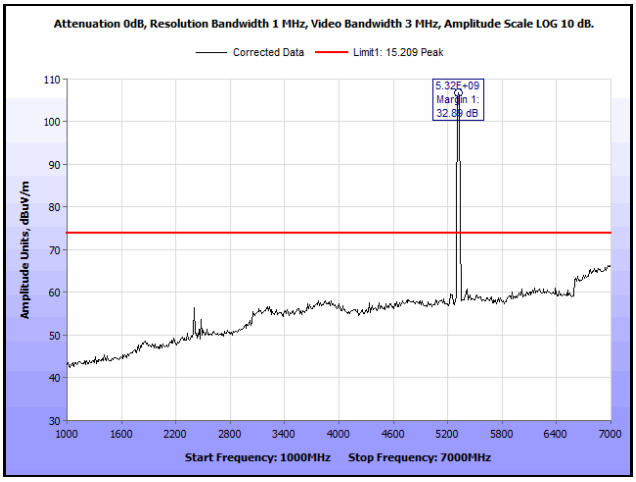
Plot 628. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 60, 3SS, 7 GHz – 18 GHz, Peak



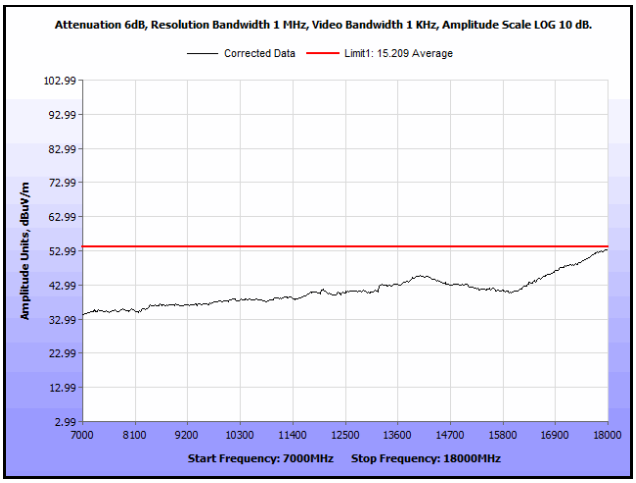
Plot 629. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 3SS, 30 MHz – 1 GHz



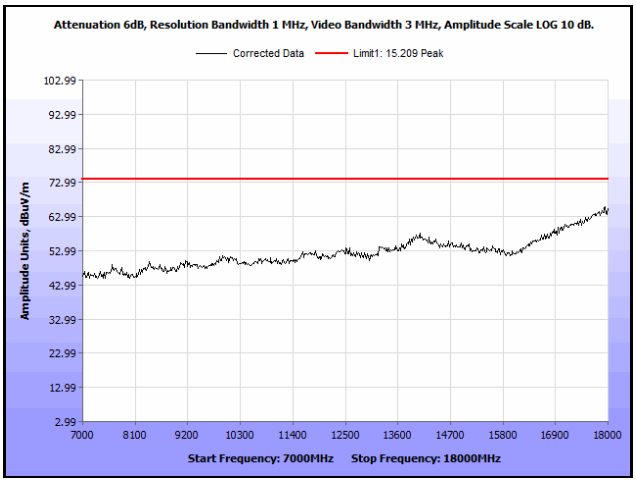
Plot 630. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 3SS, 1 GHz – 7 GHz, Average



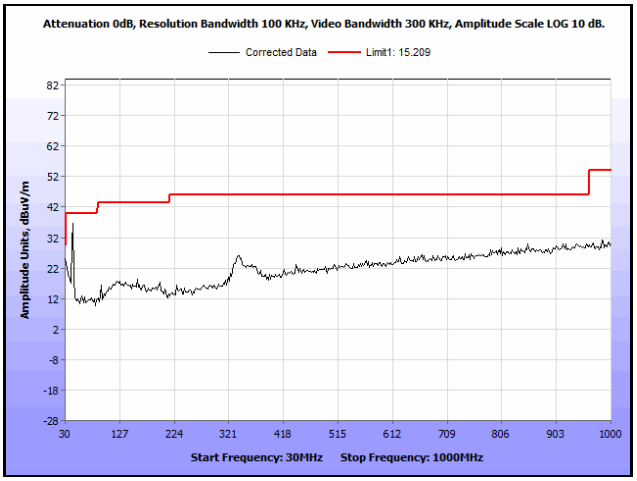
Plot 631. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 3SS, 1 GHz – 7 GHz, Peak



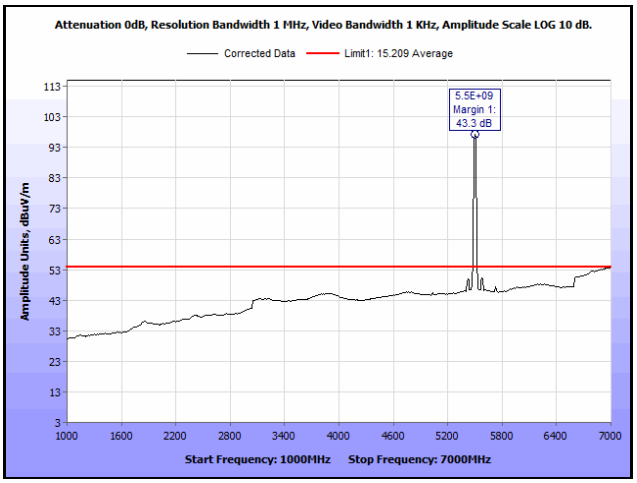
Plot 632. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 3SS, 7 GHz – 18 GHz, Average



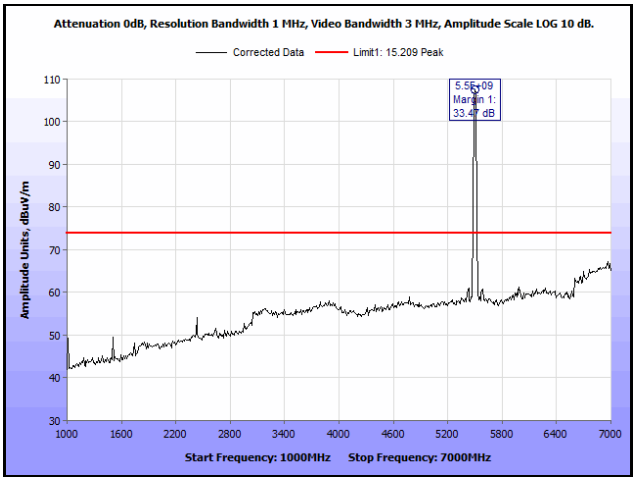
Plot 633. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 64, 3SS, 7 GHz – 18 GHz, Peak



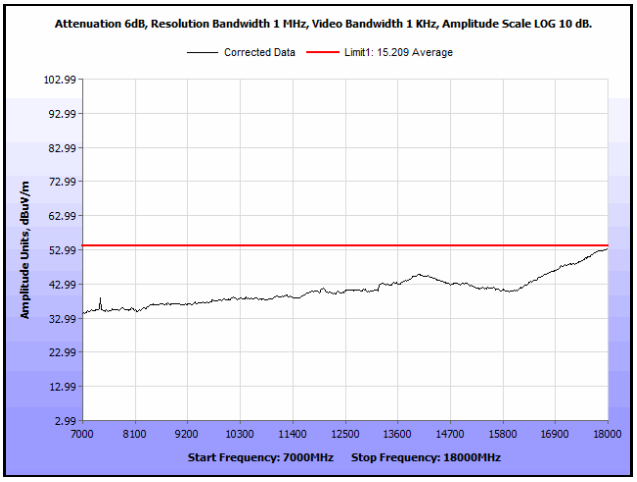
Plot 634. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 3SS, 30 MHz – 1 GHz



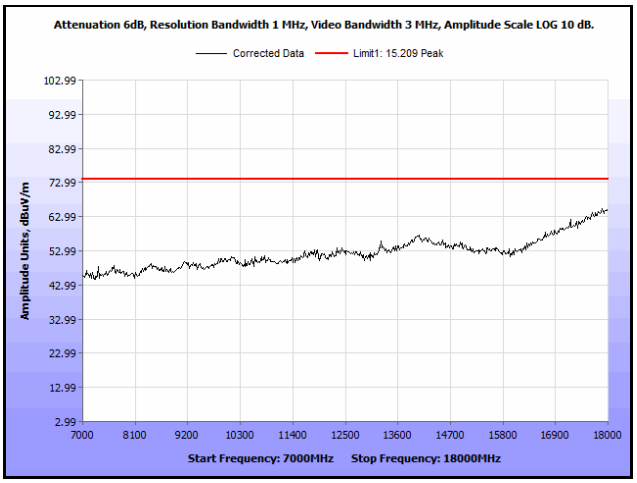
Plot 635. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 3SS, 1 GHz – 7 GHz, Average



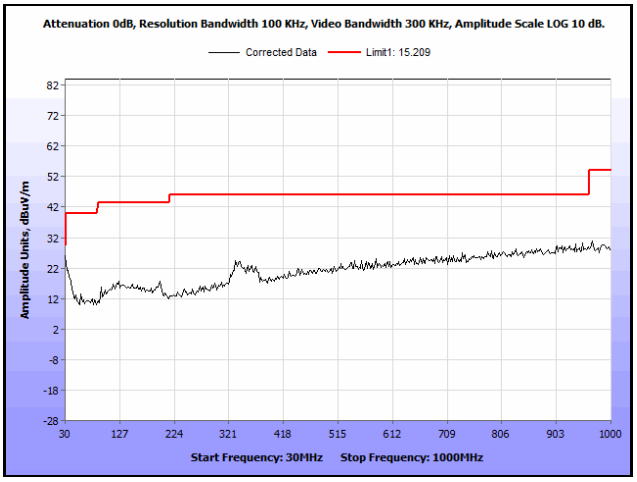
Plot 636. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 3SS, 1 GHz – 7 GHz, Peak



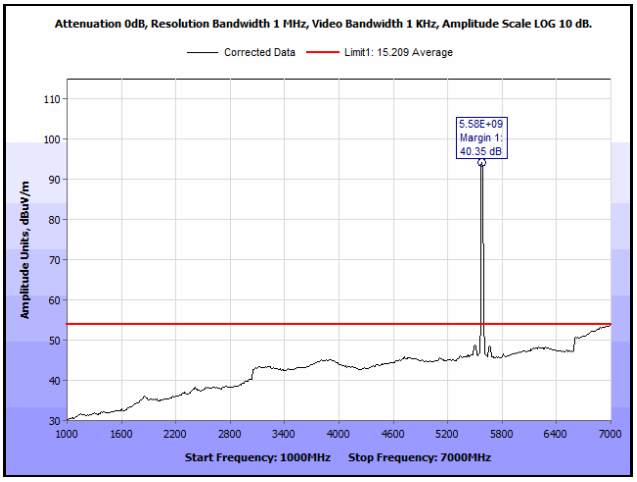
Plot 637. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 3SS, 7 GHz – 18 GHz, Average



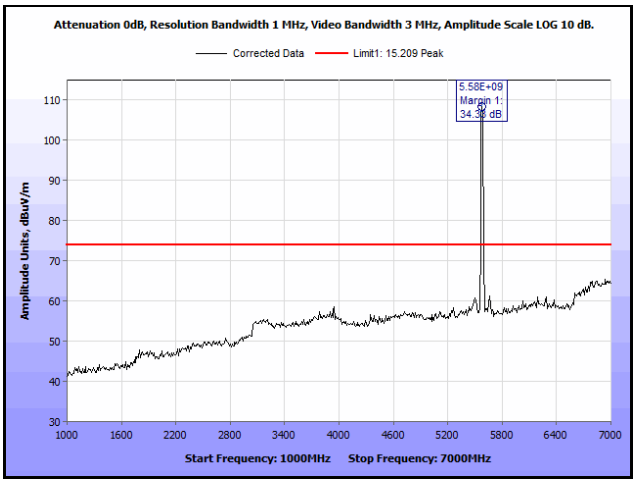
Plot 638. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 100, 3SS, 7 GHz – 18 GHz, Peak



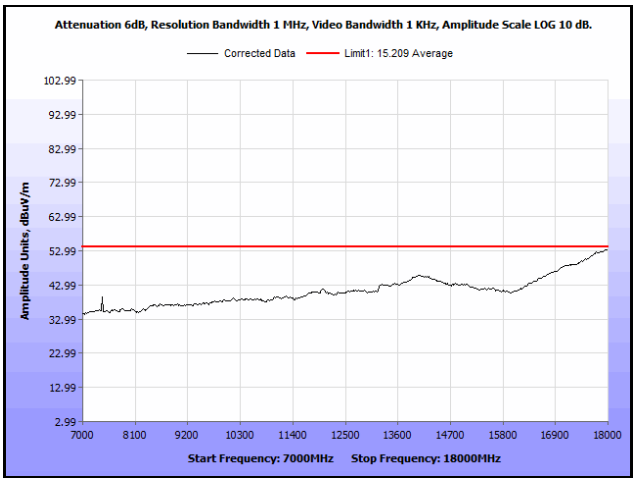
Plot 639. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 3SS, 30 MHz – 1 GHz



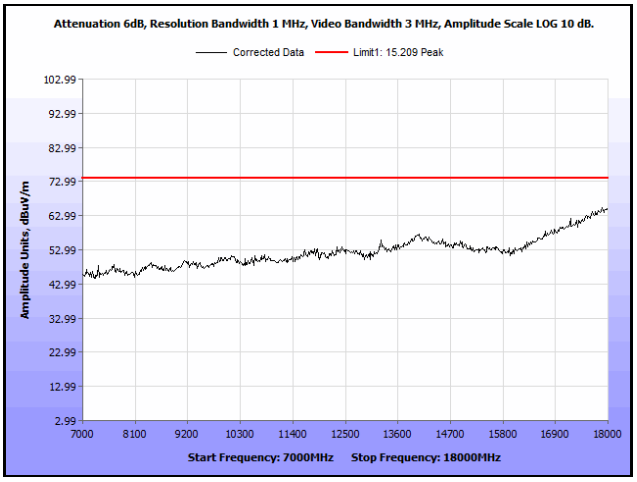
Plot 640. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 3SS, 1 GHz – 7 GHz, Average



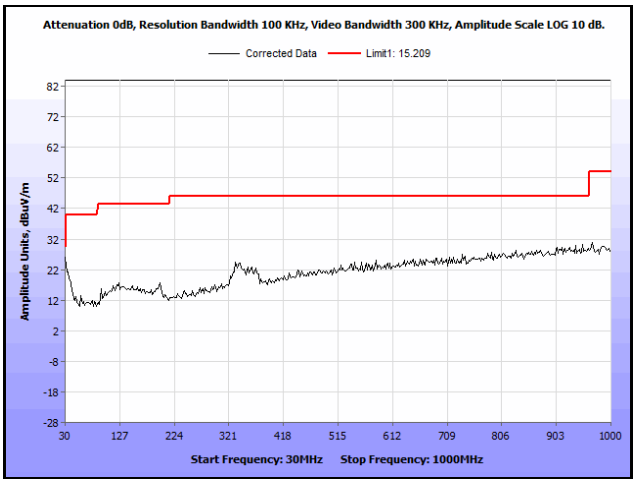
Plot 641. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 3SS, 1 GHz – 7 GHz, Peak



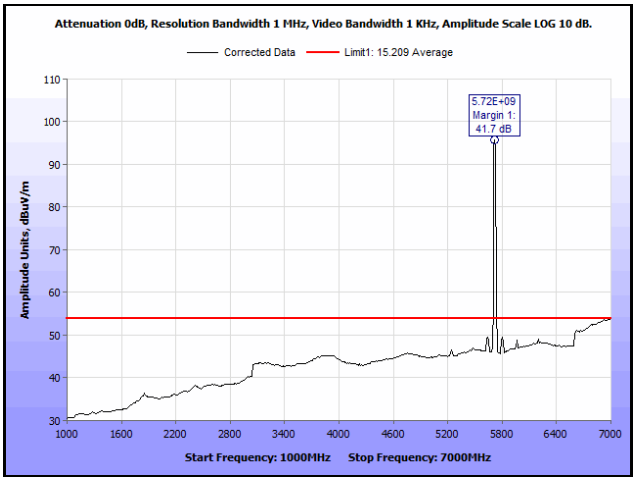
Plot 642. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 3SS, 7 GHz – 18 GHz, Average



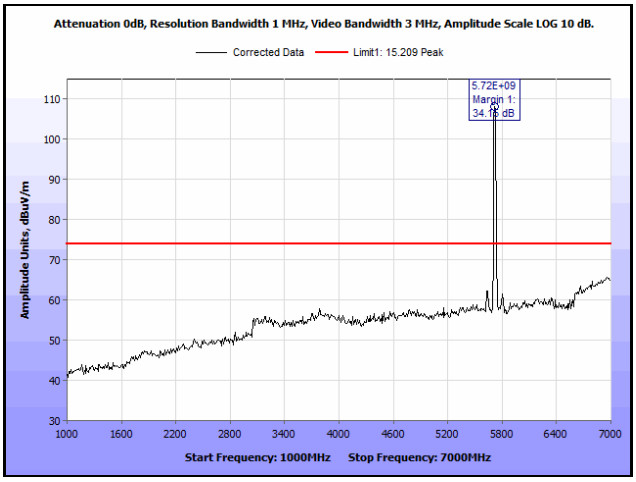
Plot 643. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 116, 3SS, 7 GHz – 18 GHz, Peak



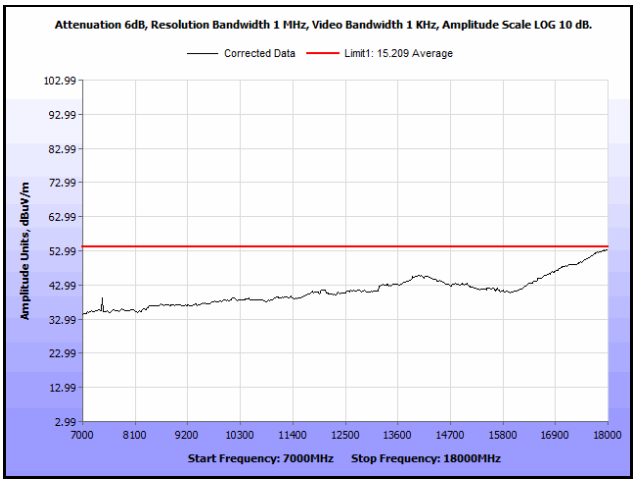
Plot 644. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 3SS, 30 MHz – 1 GHz



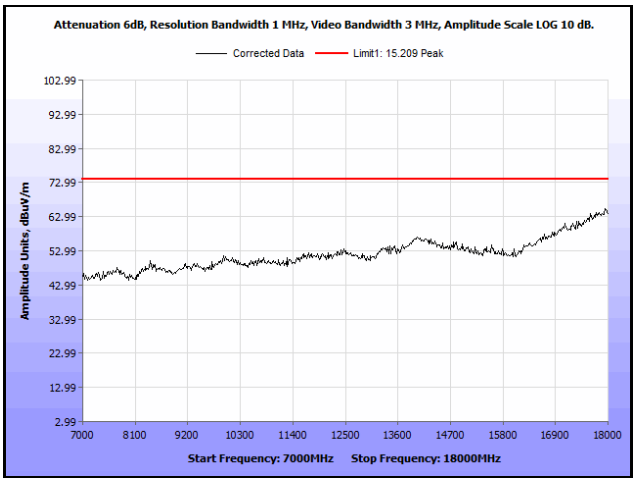
Plot 645. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 3SS, 1 GHz – 7 GHz, Average



Plot 646. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 3SS, 1 GHz – 7 GHz, Peak

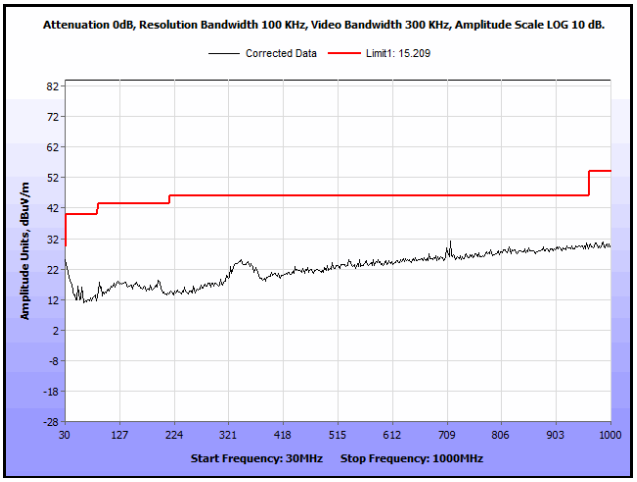


Plot 647. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 3SS, 7 GHz – 18 GHz, Average

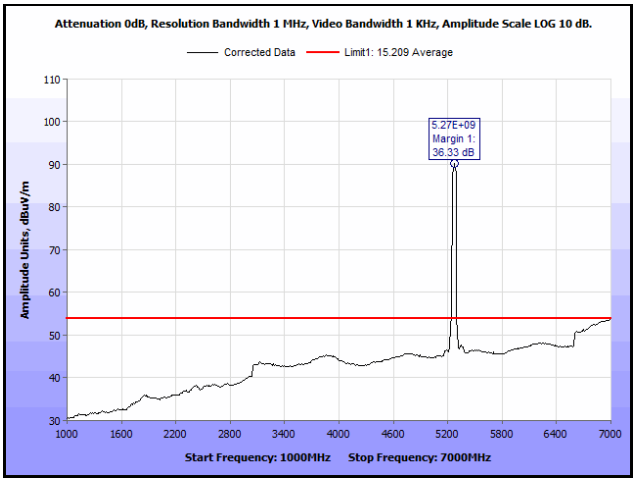


Plot 648. Radiated Spurious Emissions, 802.11ac 20 MH, Channel 144, 3SS, 7 GHz – 18 GHz, Peak

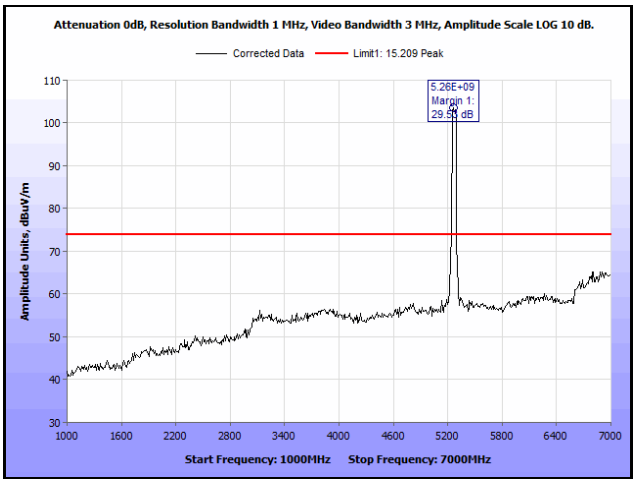
Radiated Spurious Emissions, 802.11ac 40 MHz, 1SS



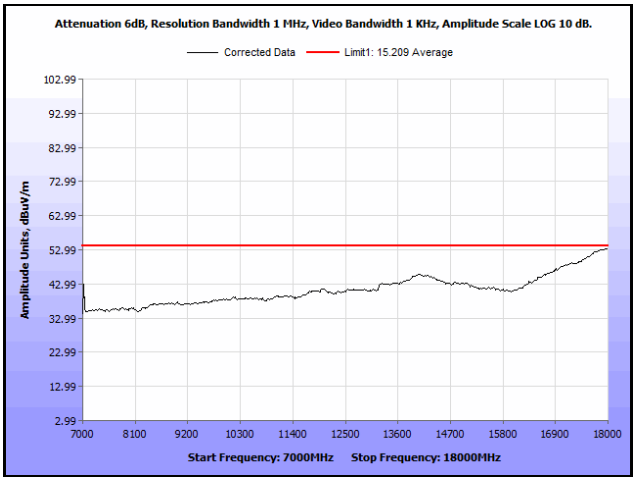
Plot 649. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 1SS, 30 MHz – 1 GHz



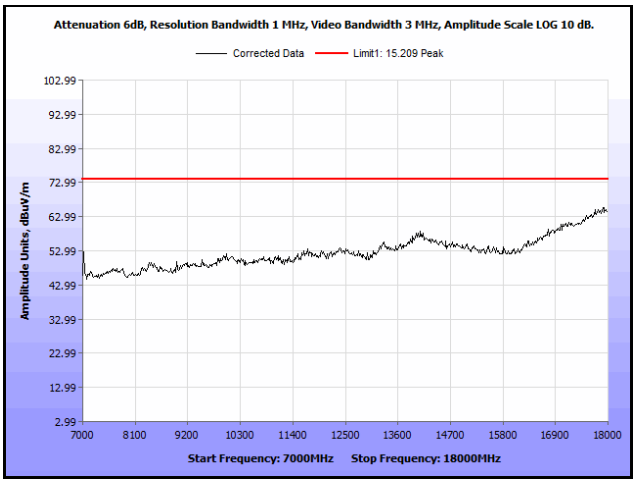
Plot 650. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 1SS, 1 GHz – 7 GHz, Average



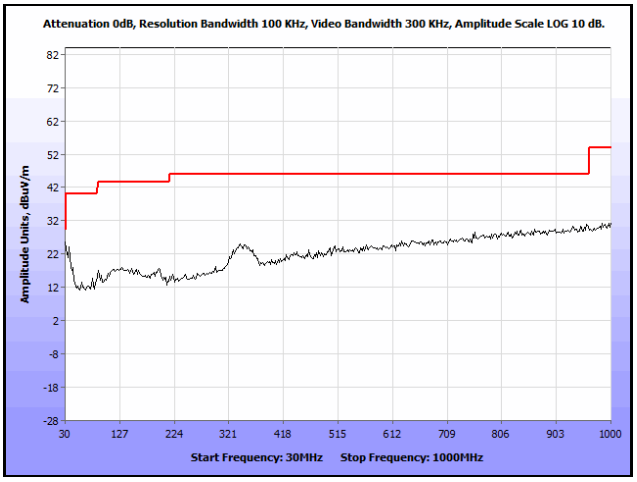
Plot 651. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 1SS, 1 GHz – 7 GHz, Peak



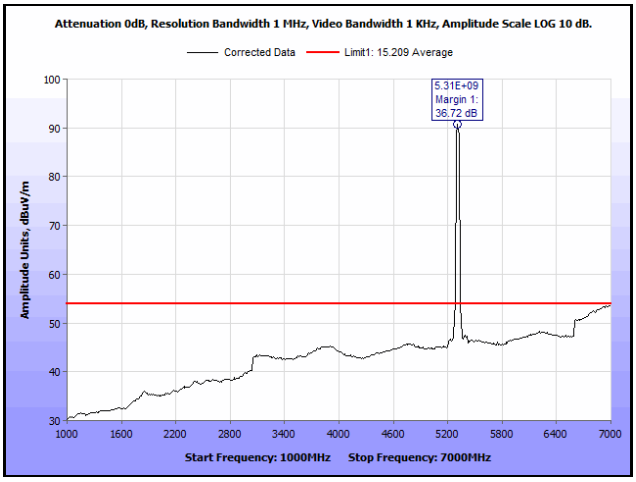
Plot 652. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 1SS, 7 GHz – 18 GHz, Average



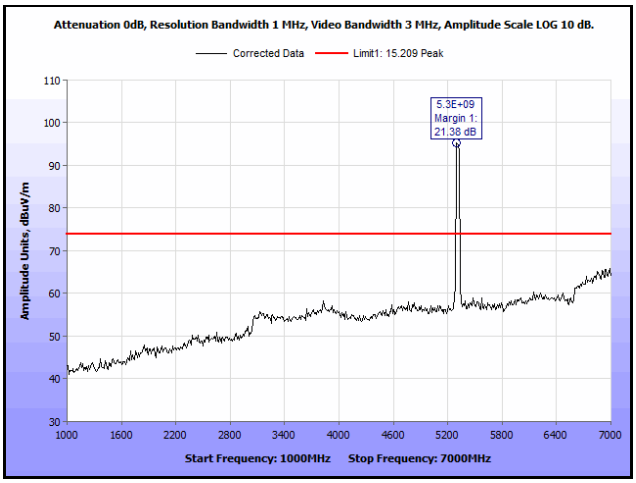
Plot 653. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 1SS, 7 GHz – 18 GHz, Peak



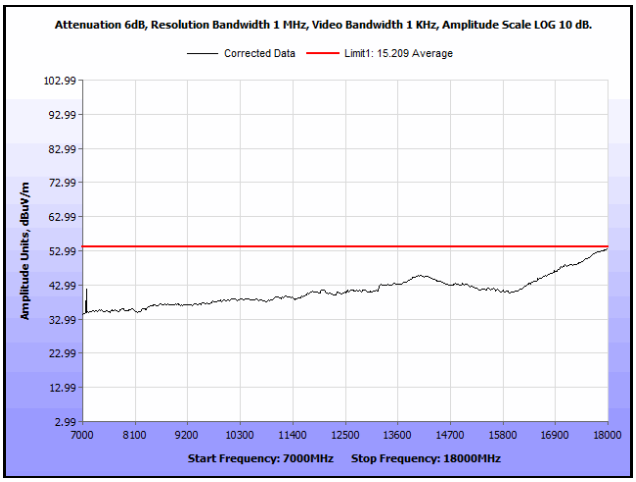
Plot 654. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 1SS, 30 MHz – 1 GHz



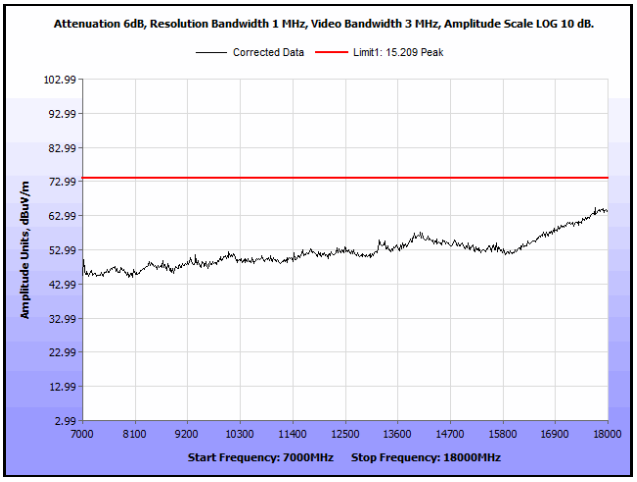
Plot 655. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 1SS, 1 GHz – 7 GHz, Average



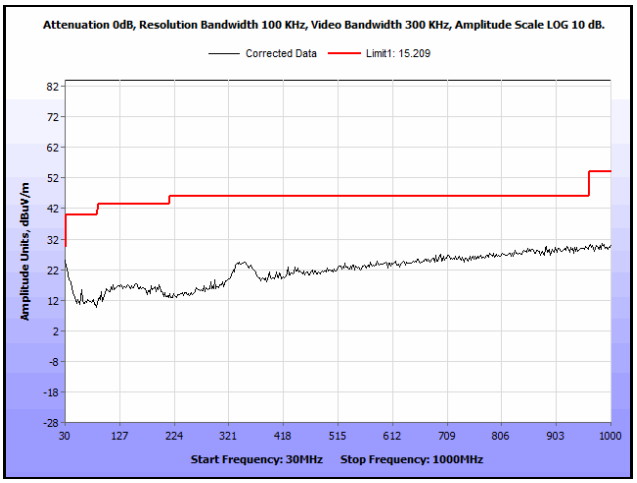
Plot 656. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 1SS, 1 GHz – 7 GHz, Peak



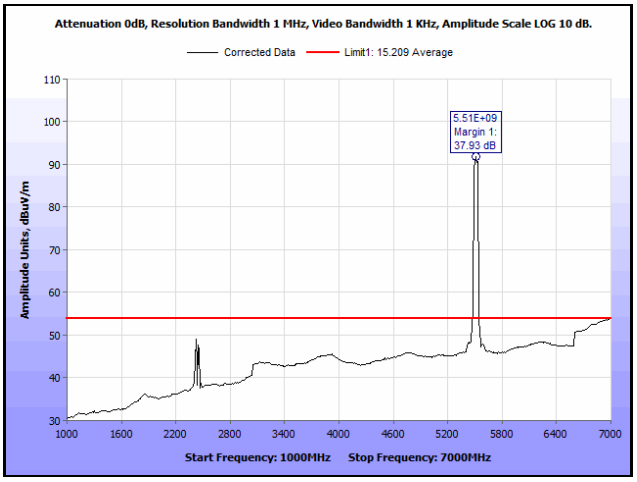
Plot 657. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 1SS, 7 GHz – 18 GHz, Average



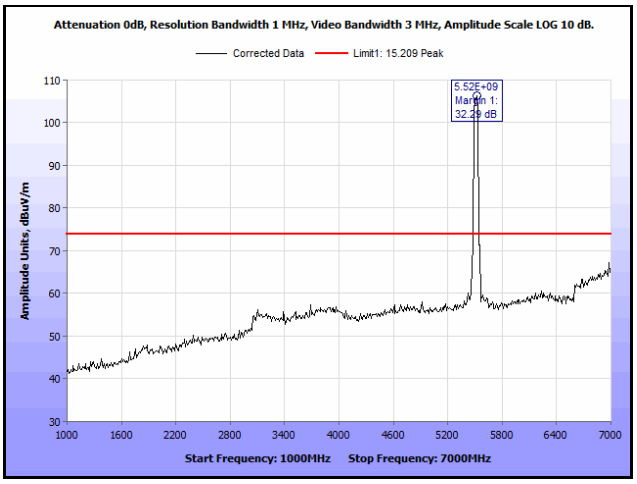
Plot 658. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 1SS, 7 GHz – 18 GHz, Peak



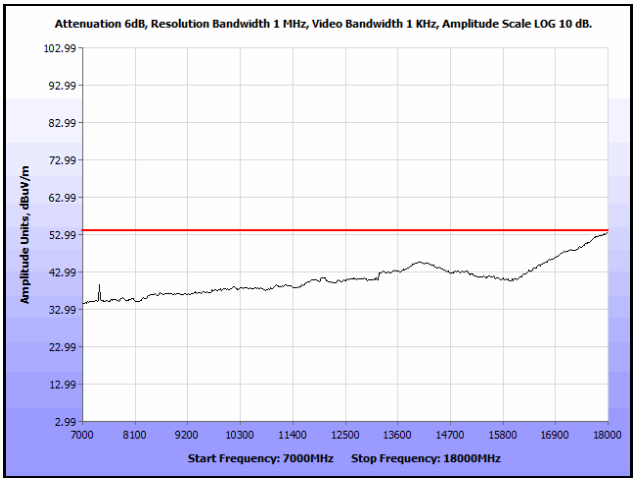
Plot 659. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 1SS, 30 MHz – 1 GHz



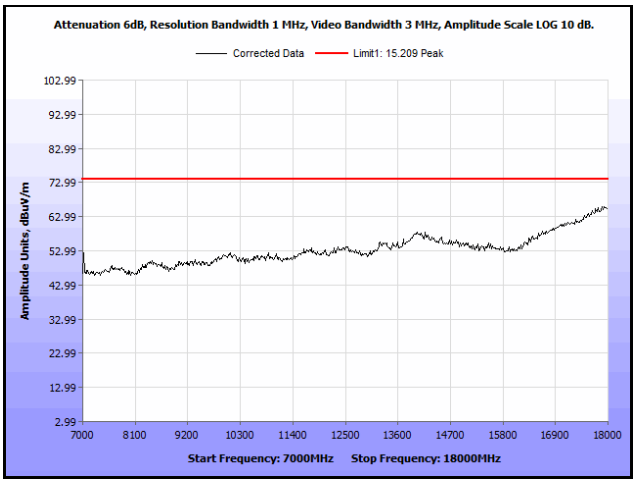
Plot 660. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 1SS, 1 GHz – 7 GHz, Average



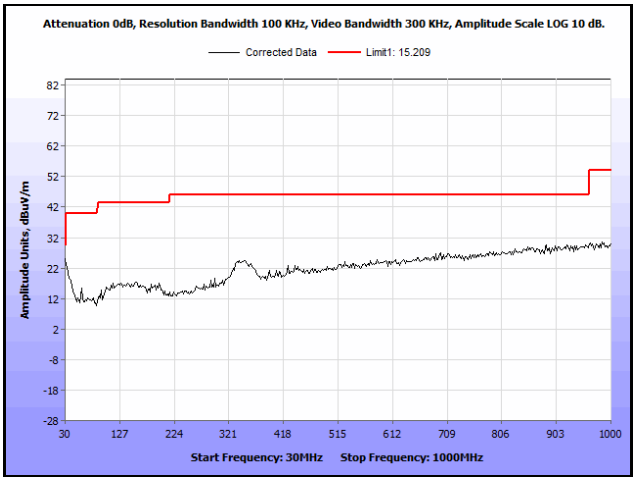
Plot 661. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 1SS, 1 GHz – 7 GHz, Peak



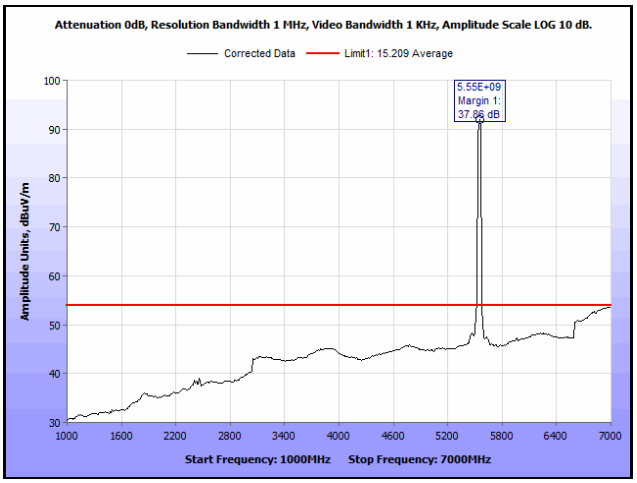
Plot 662. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 1SS, 7 GHz – 18 GHz, Average



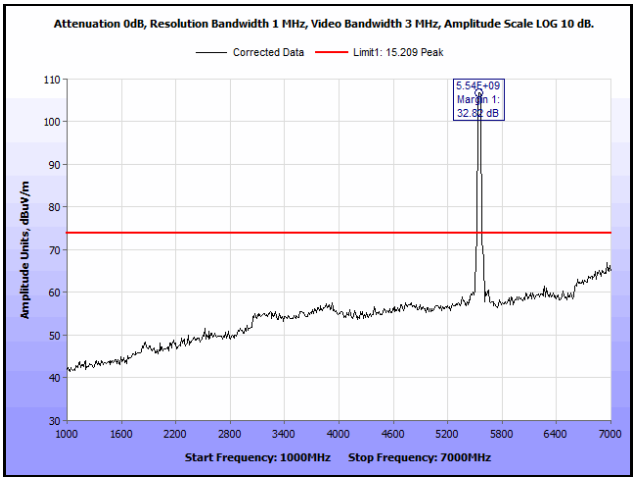
Plot 663. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 1SS, 7 GHz – 18 GHz, Peak



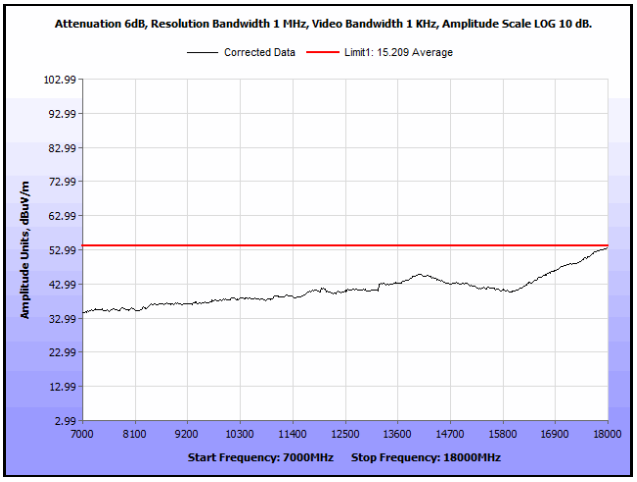
Plot 664. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 1SS, 30 MHz – 1 GHz



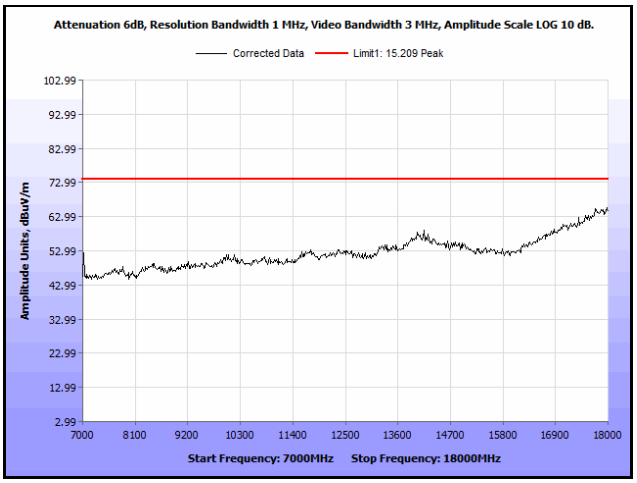
Plot 665. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 1SS, 1 GHz – 7 GHz, Average



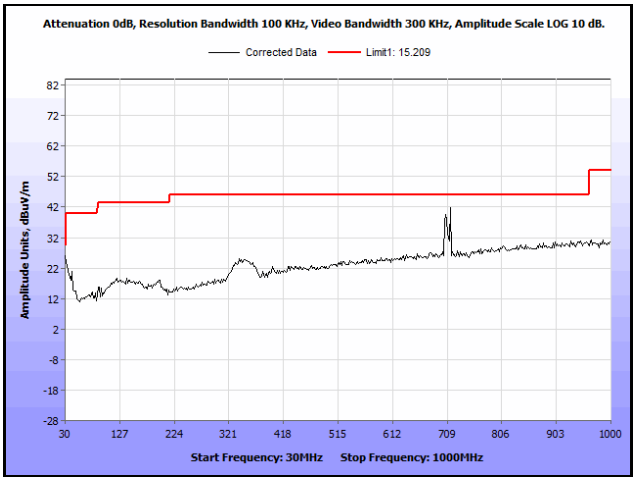
Plot 666. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 1SS, 1 GHz – 7 GHz, Peak



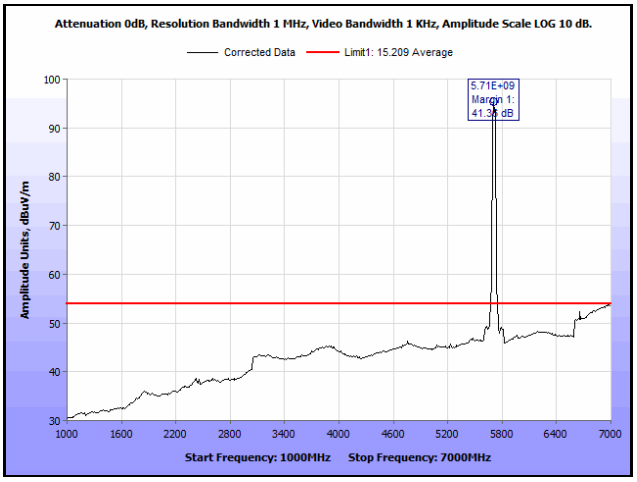
Plot 667. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 1SS, 7 GHz – 18 GHz, Average



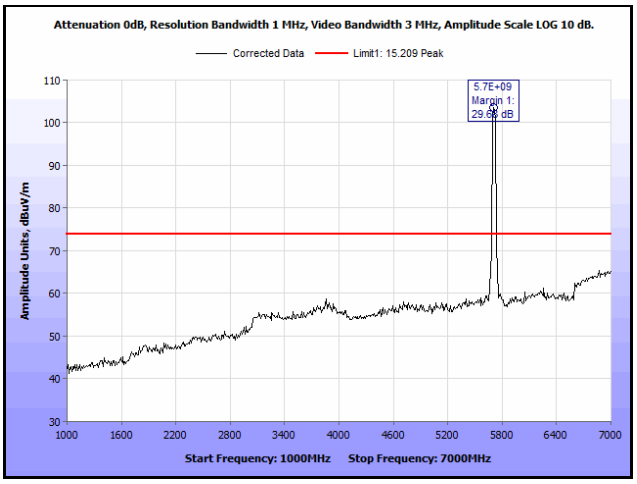
Plot 668. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 1SS, 7 GHz – 18 GHz, Peak



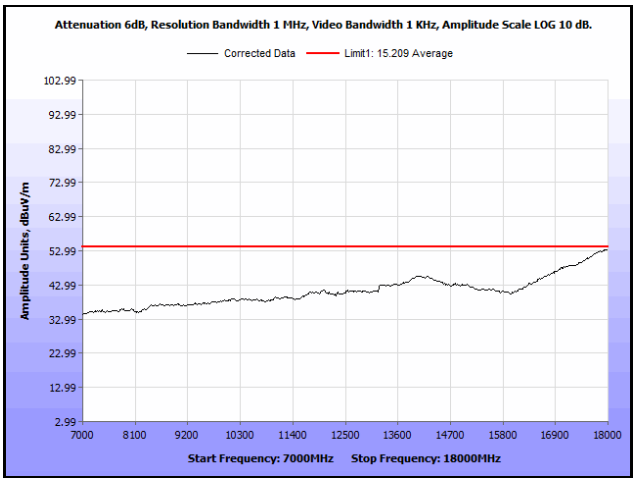
Plot 669. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 1SS, 30 MHz – 1 GHz



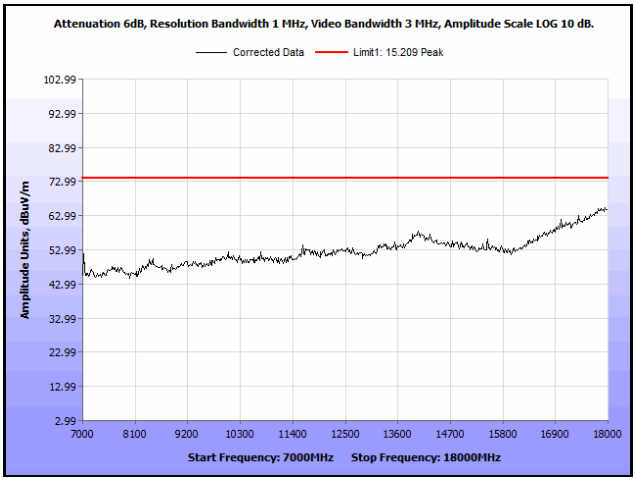
Plot 670. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 1SS, 1 GHz – 7 GHz, Average



Plot 671. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 1SS, 1 GHz – 7 GHz, Peak

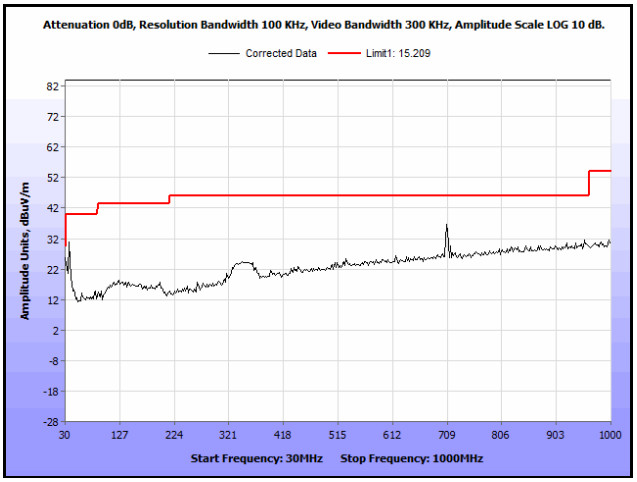


Plot 672. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 1SS, 7 GHz – 18 GHz, Average

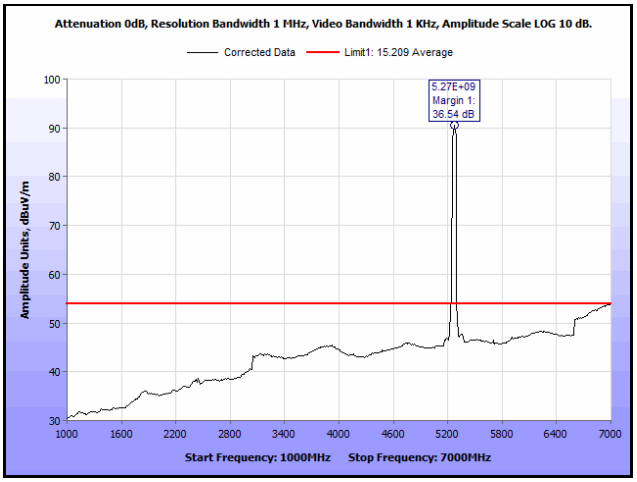


Plot 673. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 1SS, 7 GHz – 18 GHz, Peak

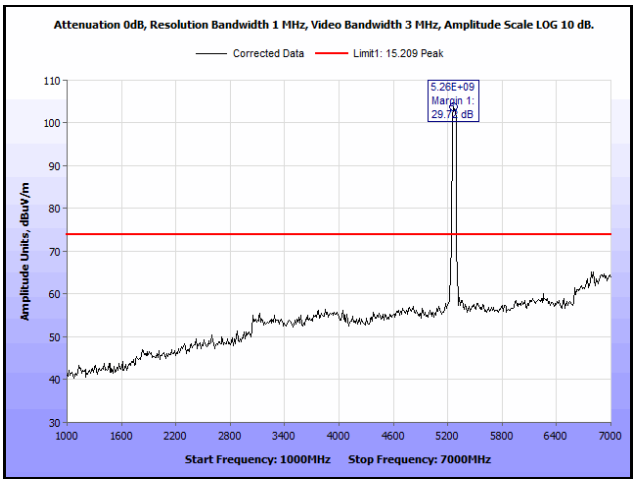
Radiated Spurious Emissions, 802.11ac 40 MHz, 2SS



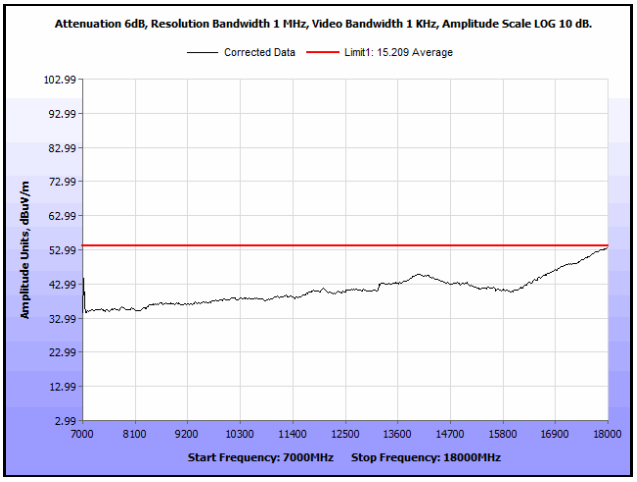
Plot 674. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 2SS, 30 MHz – 1 GHz



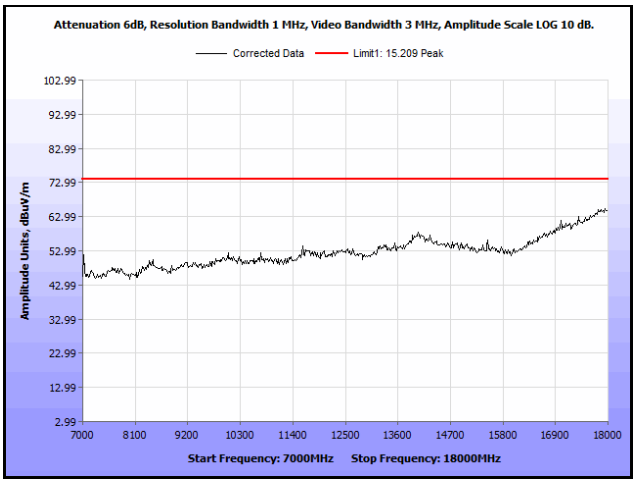
Plot 675. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 2SS, 1 GHz – 7 GHz, Average



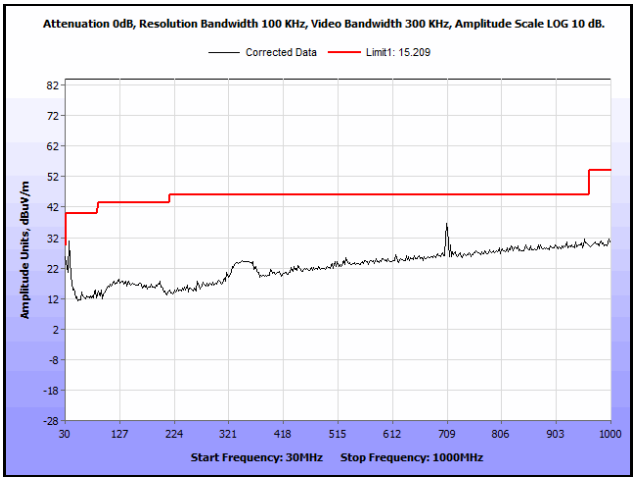
Plot 676. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 2SS, 1 GHz – 7 GHz, Peak



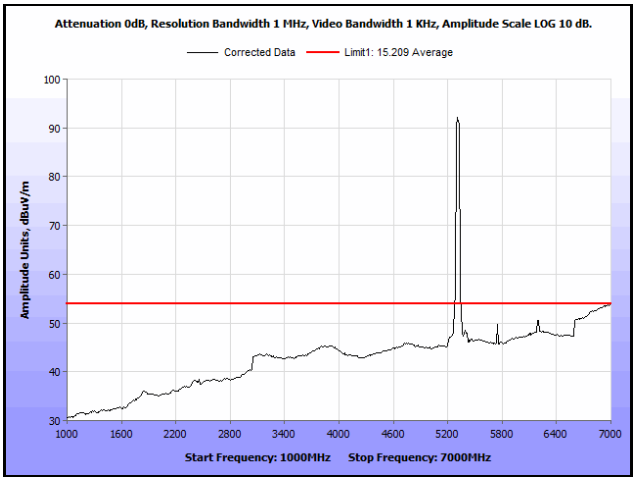
Plot 677. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 2SS, 7 GHz – 18 GHz, Average



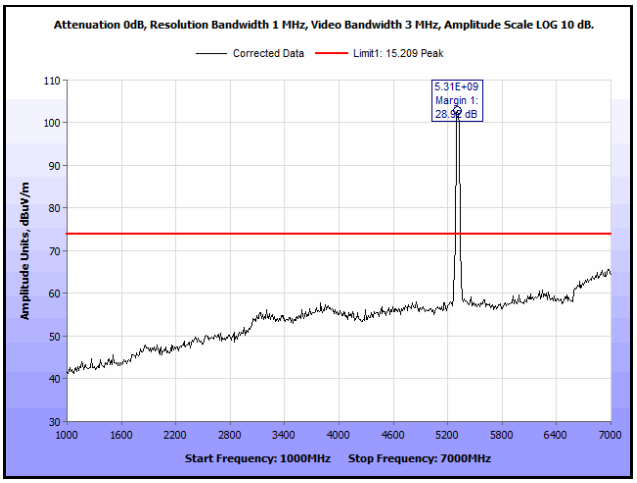
Plot 678. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 2SS, 7 GHz – 18 GHz, Peak



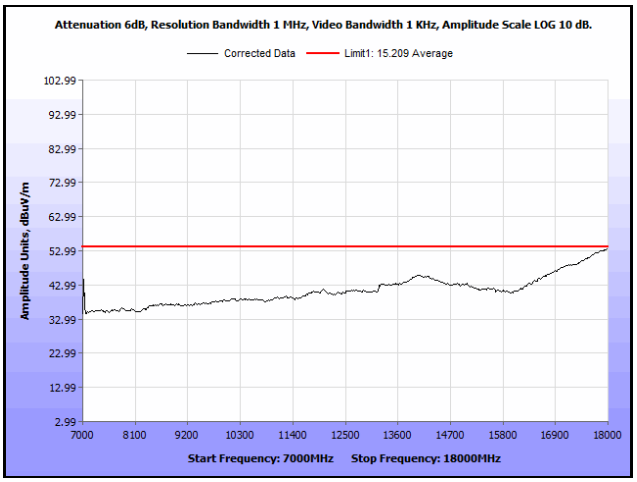
Plot 679. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 2SS, 30 MHz – 1 GHz



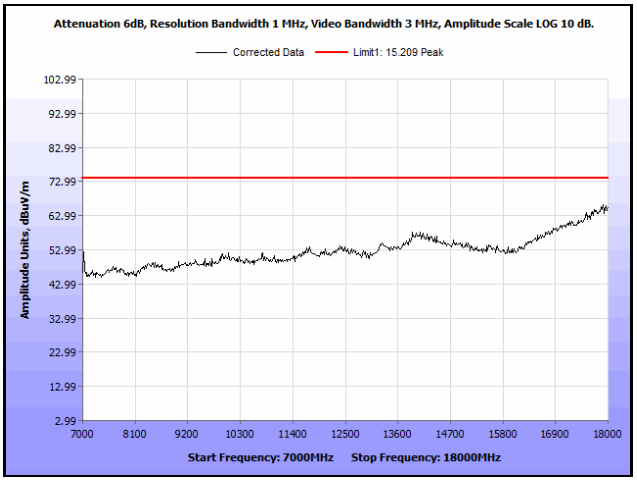
Plot 680. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 2SS, 1 GHz – 7 GHz, Average



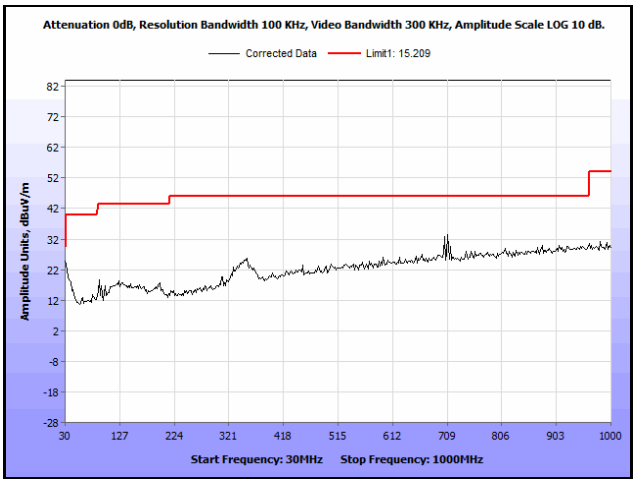
Plot 681. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 2SS, 1 GHz – 7 GHz, Peak



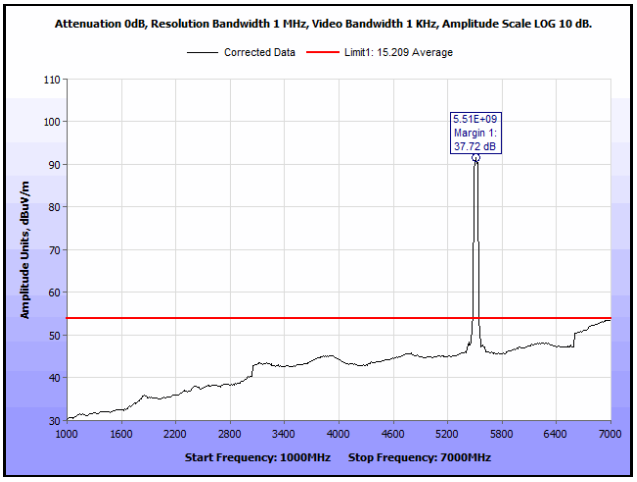
Plot 682. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 2SS, 7 GHz – 18 GHz, Average



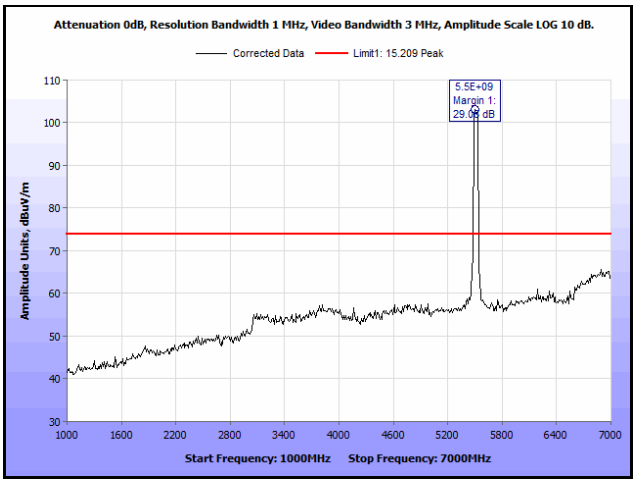
Plot 683. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 2SS, 7 GHz – 18 GHz, Peak



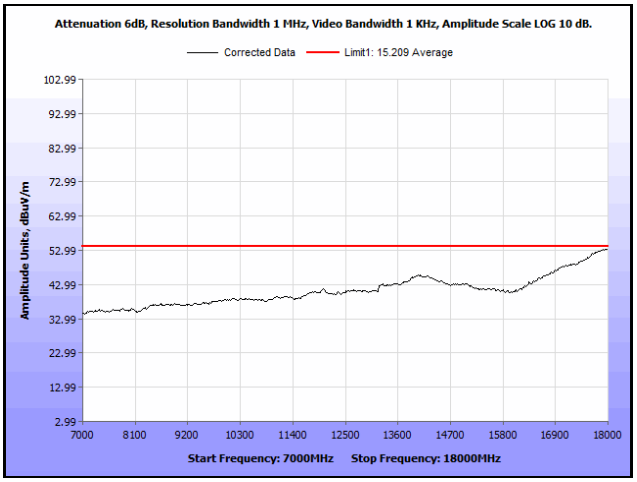
Plot 684. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 2SS, 30 MHz – 1 GHz



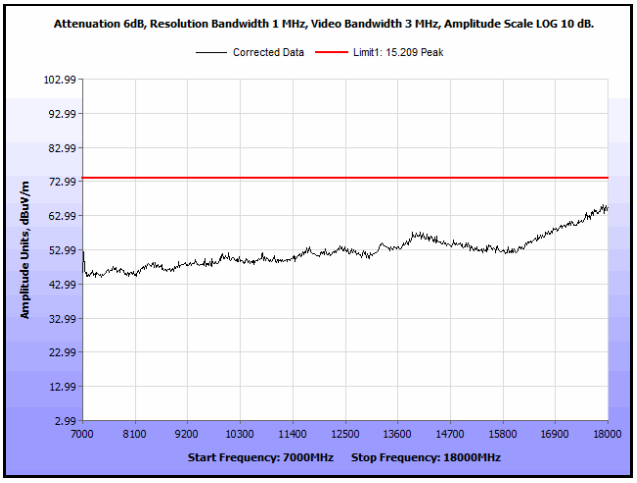
Plot 685. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 2SS, 1 GHz – 7 GHz, Average



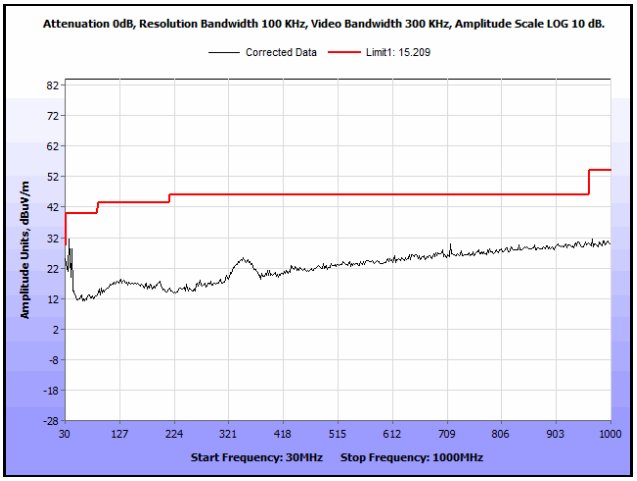
Plot 686. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 2SS, 1 GHz – 7 GHz, Peak



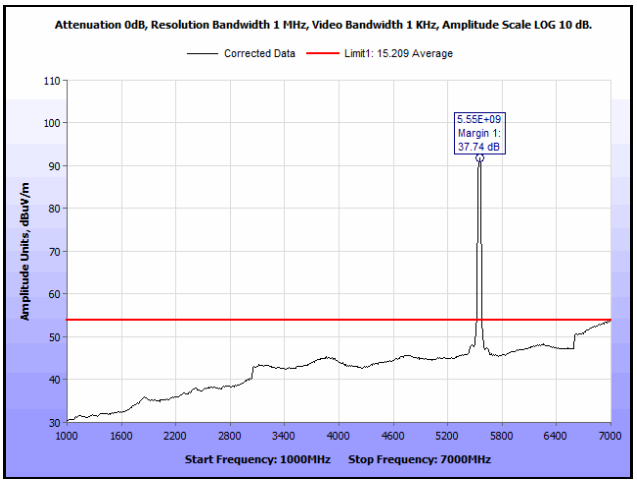
Plot 687. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 2SS, 7 GHz – 18 GHz, Average



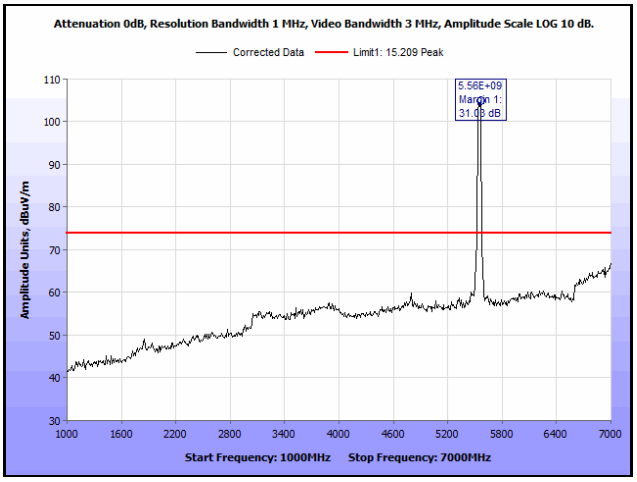
Plot 688. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 2SS, 7 GHz – 18 GHz, Peak



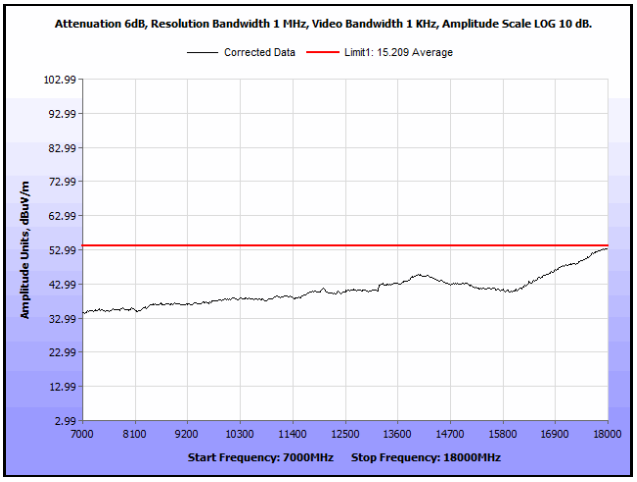
Plot 689. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 2SS, 30 MHz – 1 GHz



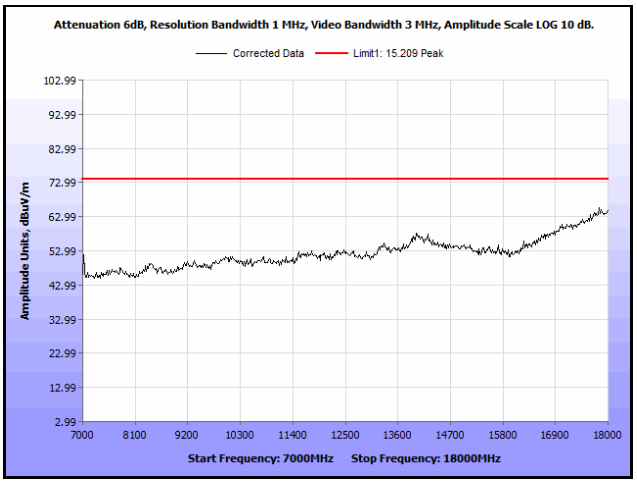
Plot 690. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 2SS, 1 GHz – 7 GHz, Average



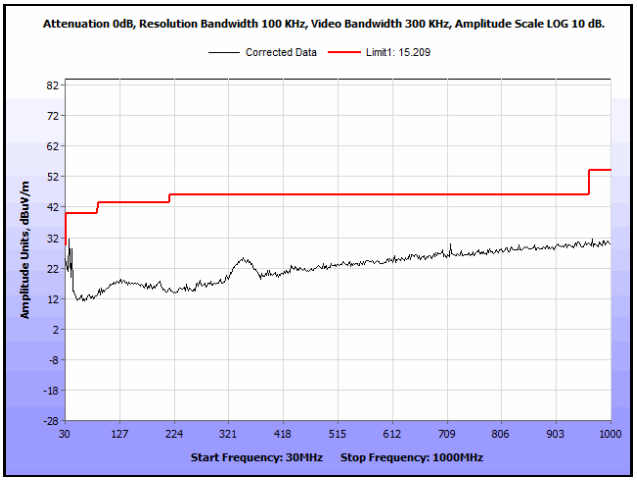
Plot 691. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 2SS, 1 GHz – 7 GHz, Peak



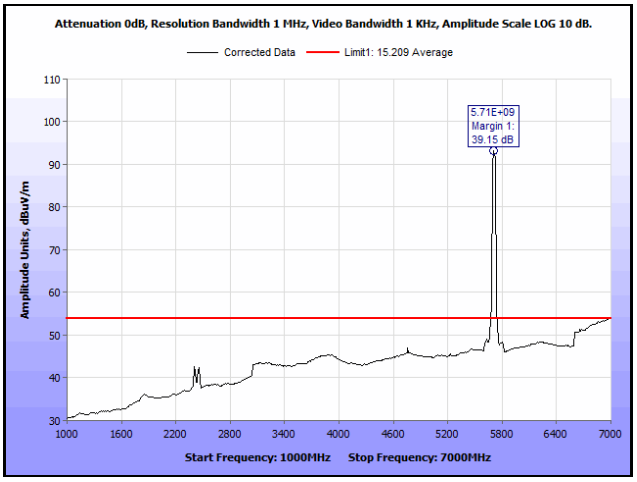
Plot 692. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 2SS, 7 GHz – 18 GHz, Average



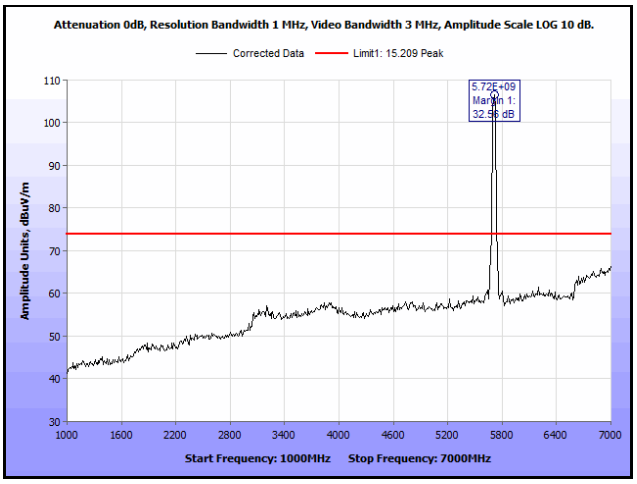
Plot 693. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 2SS, 7 GHz – 18 GHz, Peak



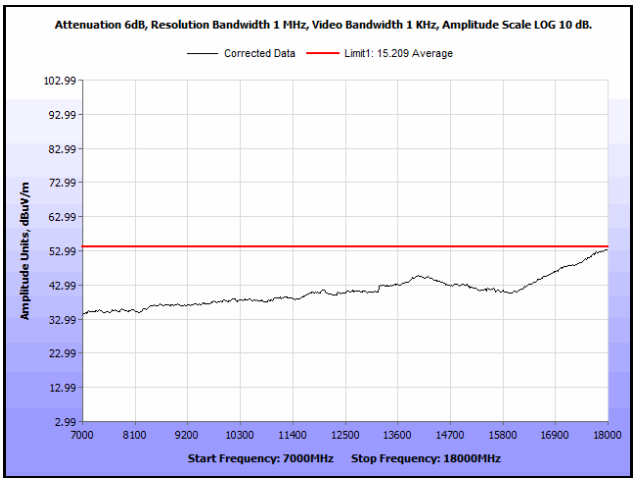
Plot 694. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 2SS, 30 MHz – 1 GHz



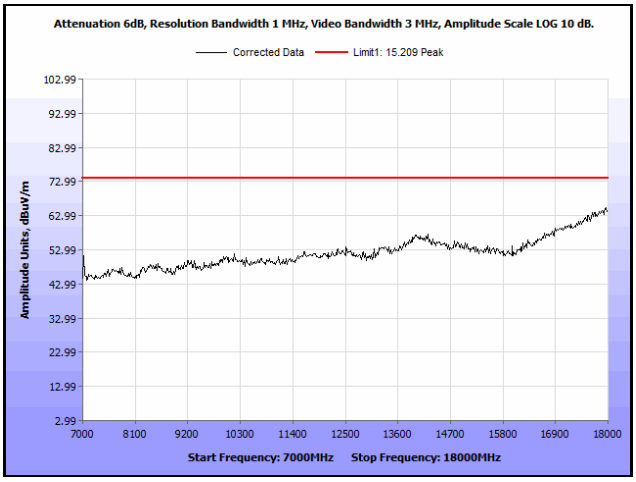
Plot 695. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 2SS, 1 GHz – 7 GHz, Average



Plot 696. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 2SS, 1 GHz – 7 GHz, Peak

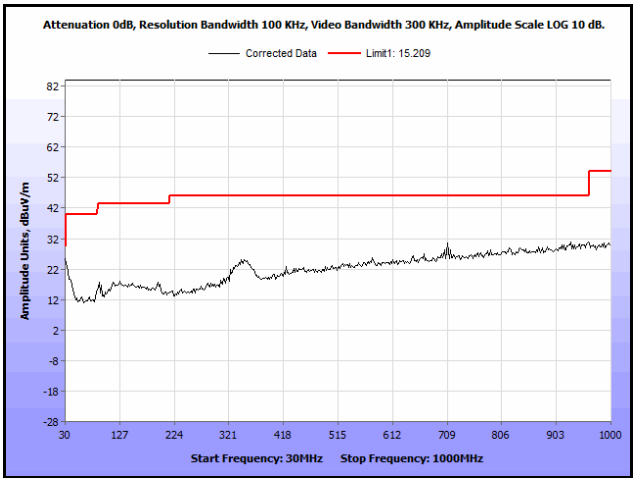


Plot 697. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 2SS, 7 GHz – 18 GHz, Average

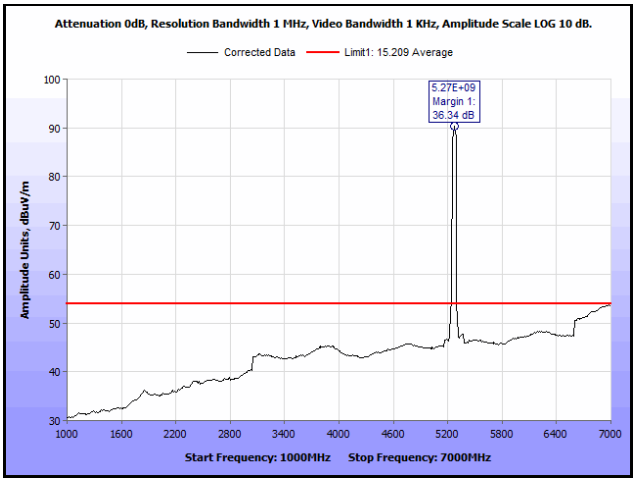


Plot 698. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 2SS, 7 GHz – 18 GHz, Peak

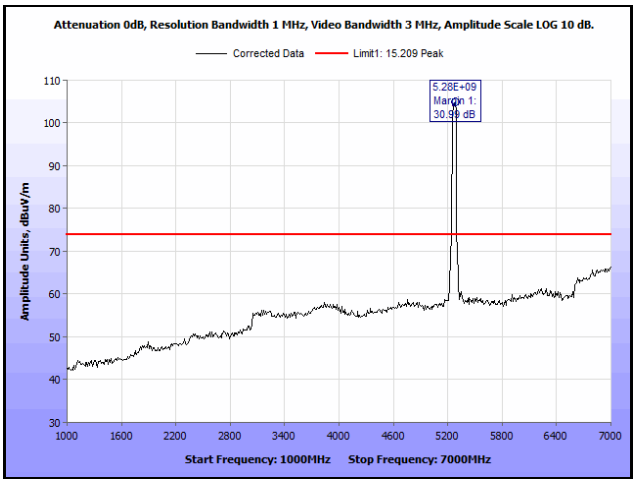
Radiated Spurious Emissions, 802.11ac 40 MHz, 3SS



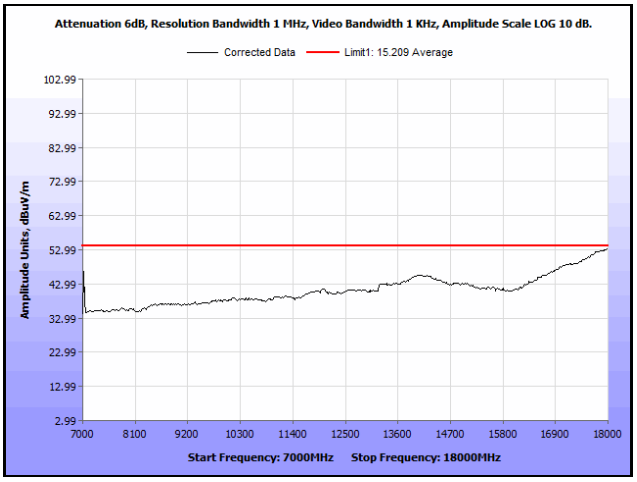
Plot 699. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 3SS, 30 MHz – 1 GHz



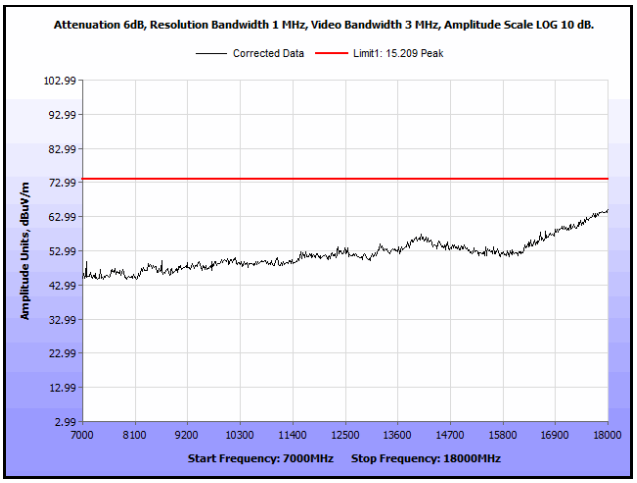
Plot 700. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 3SS, 1 GHz – 7 GHz, Average



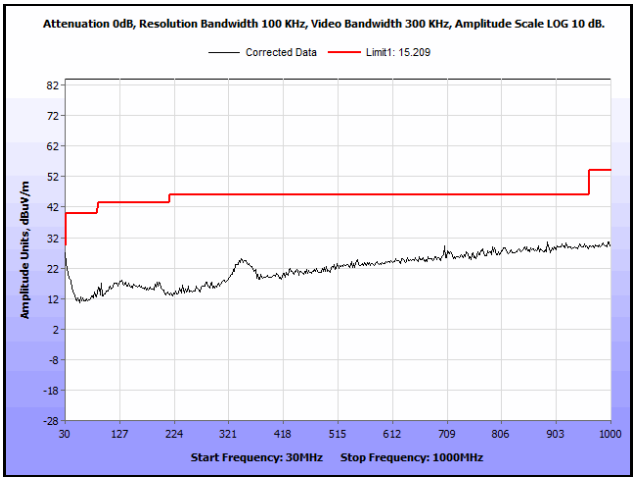
Plot 701. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 3SS, 1 GHz – 7 GHz, Peak



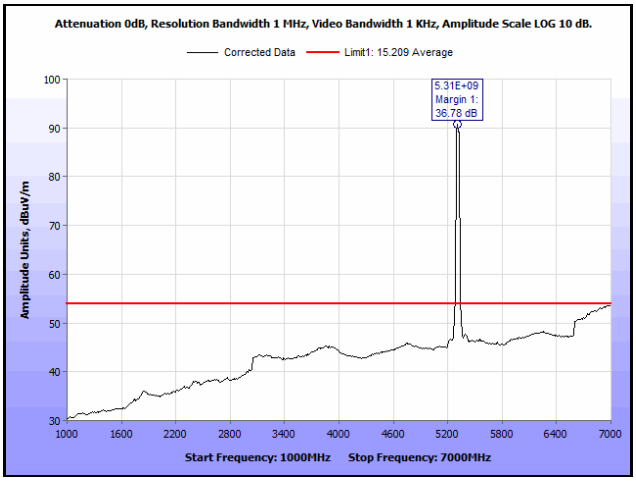
Plot 702. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 3SS, 7 GHz – 18 GHz, Average



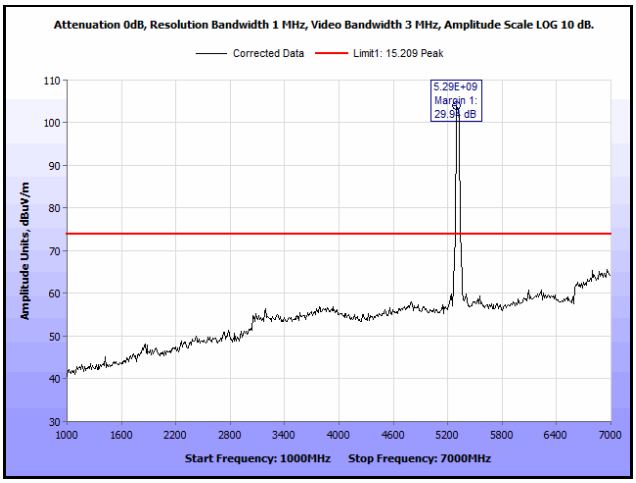
Plot 703. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 54, 3SS, 7 GHz – 18 GHz, Peak



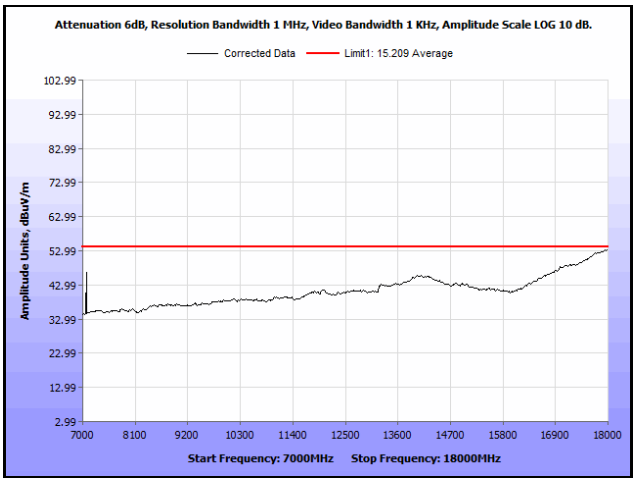
Plot 704. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 3SS, 30 MHz – 1 GHz



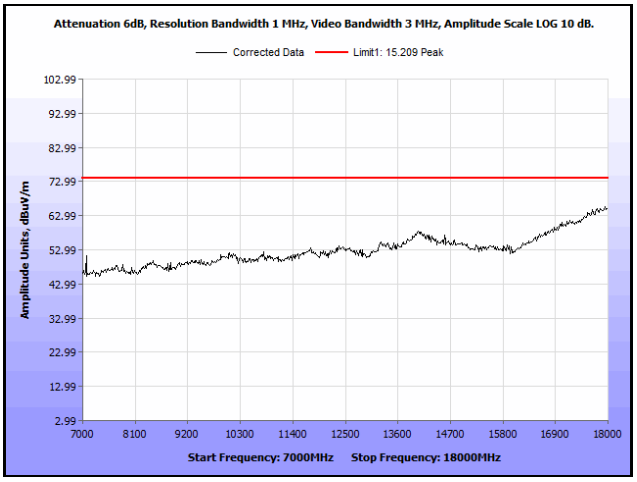
Plot 705. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 3SS, 1 GHz – 7 GHz, Average



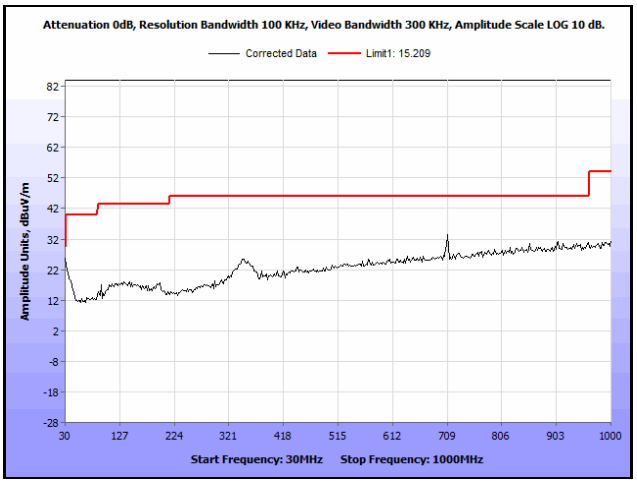
Plot 706. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 3SS, 1 GHz – 7 GHz, Peak



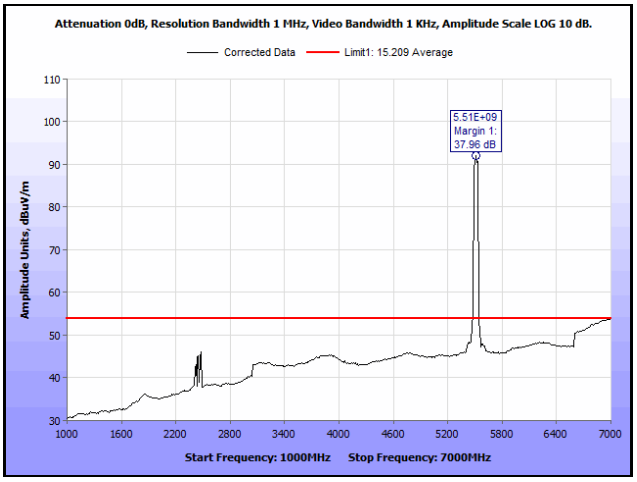
Plot 707. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 3SS, 7 GHz – 18 GHz, Average



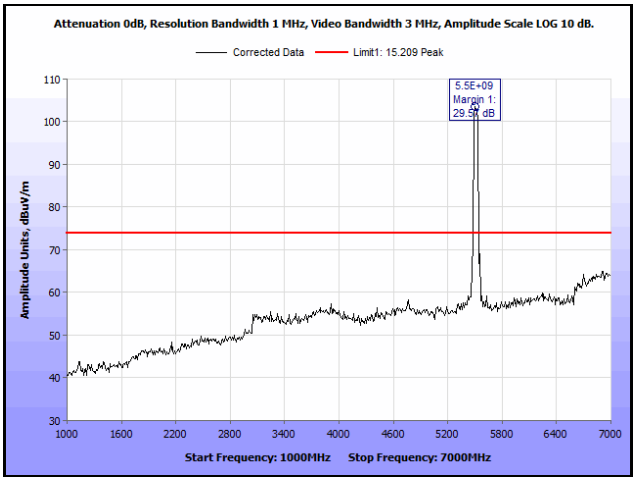
Plot 708. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 62, 3SS, 7 GHz – 18 GHz, Peak



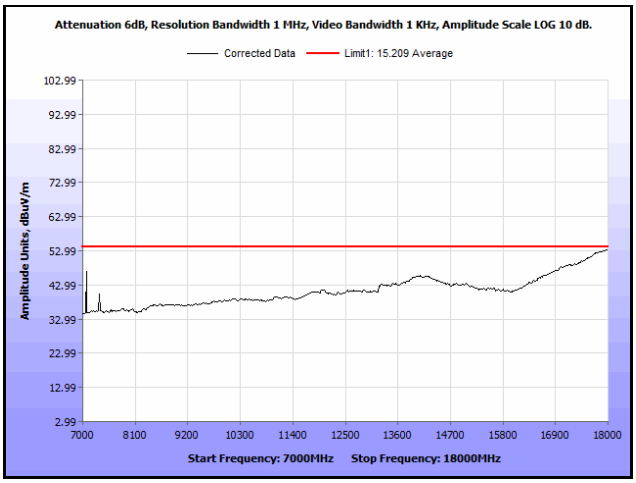
Plot 709. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 3SS, 30 MHz – 1 GHz



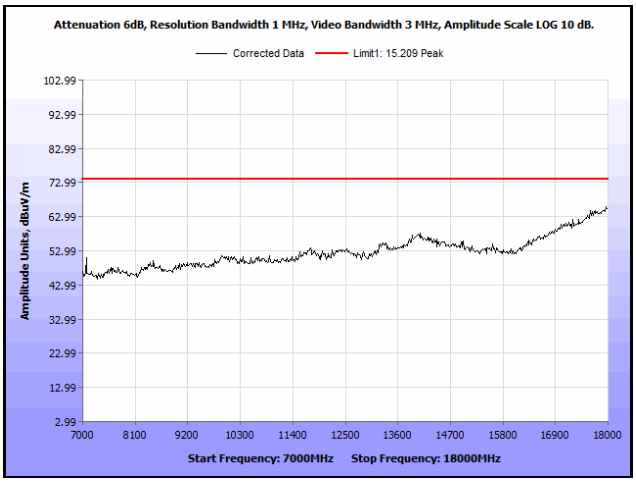
Plot 710. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 3SS, 1 GHz – 7 GHz, Average



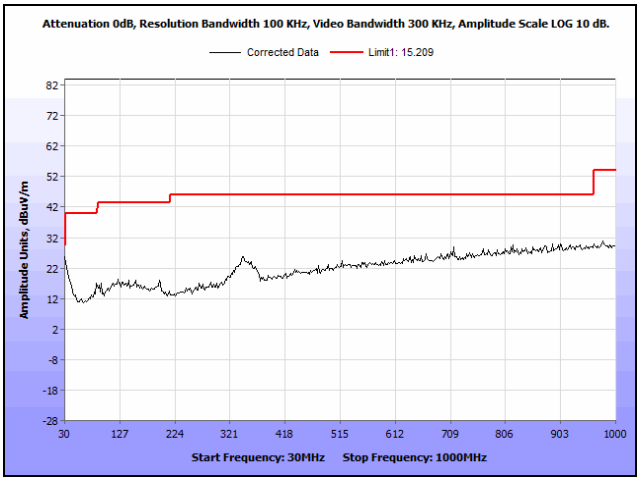
Plot 711. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 3SS, 1 GHz – 7 GHz, Peak



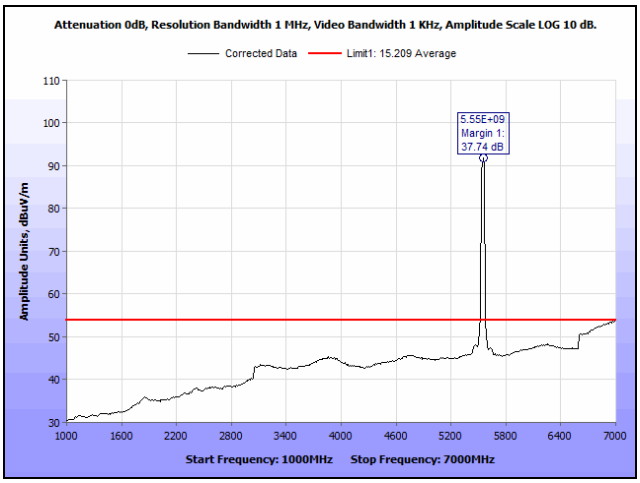
Plot 712. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 3SS, 7 GHz – 18 GHz, Average



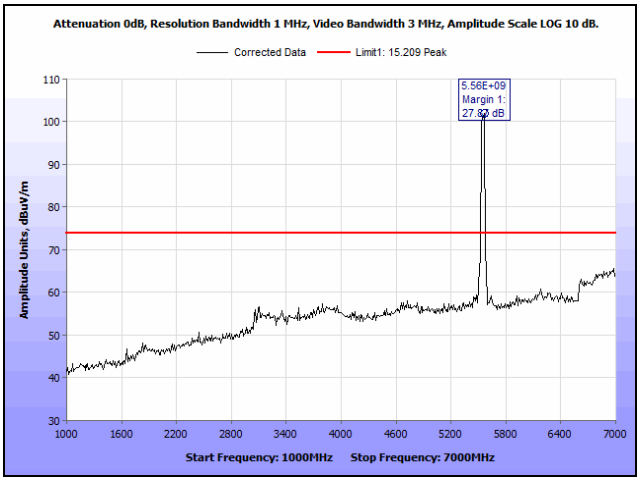
Plot 713. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 102, 3SS, 7 GHz – 18 GHz, Peak



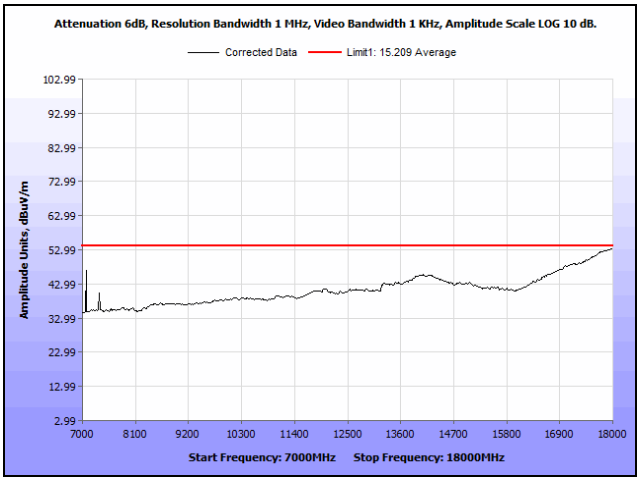
Plot 714. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 3SS, 30 MHz – 1 GHz



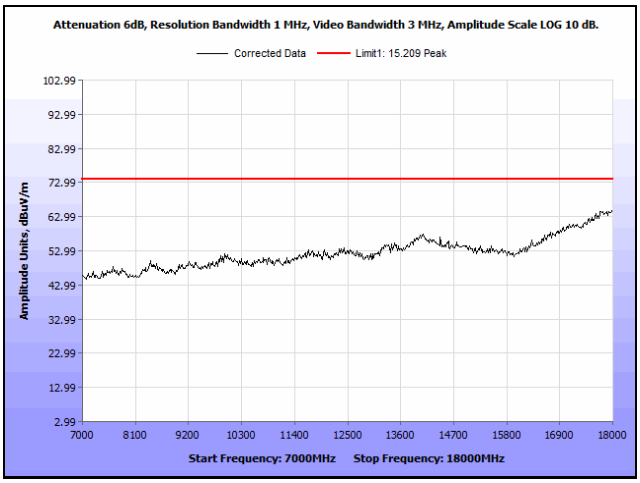
Plot 715. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 3SS, 1 GHz – 7 GHz, Average



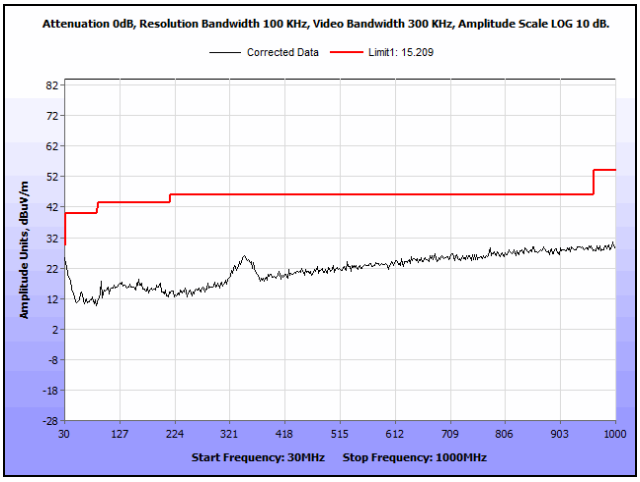
Plot 716. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 3SS, 1 GHz – 7 GHz, Peak



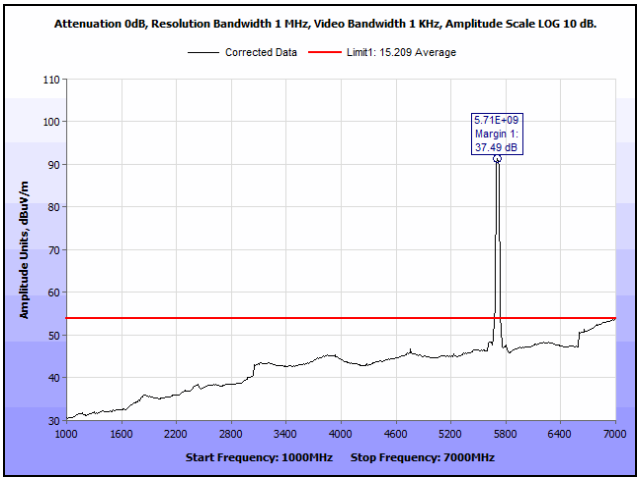
Plot 717. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 3SS, 7 GHz – 18 GHz, Average



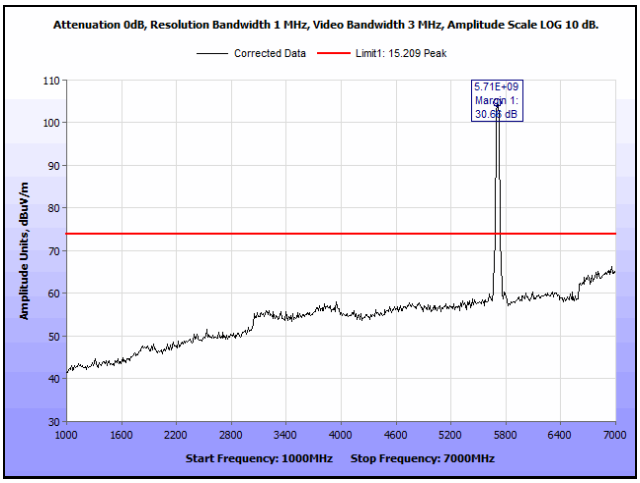
Plot 718. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 110, 3SS, 7 GHz – 18 GHz, Peak



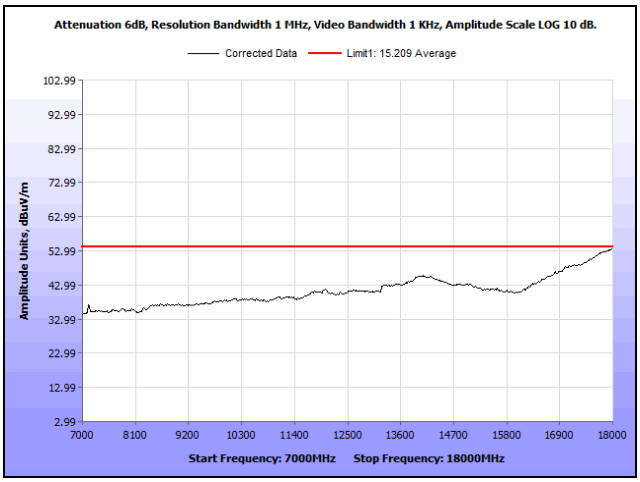
Plot 719. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 3SS, 30 MHz – 1 GHz



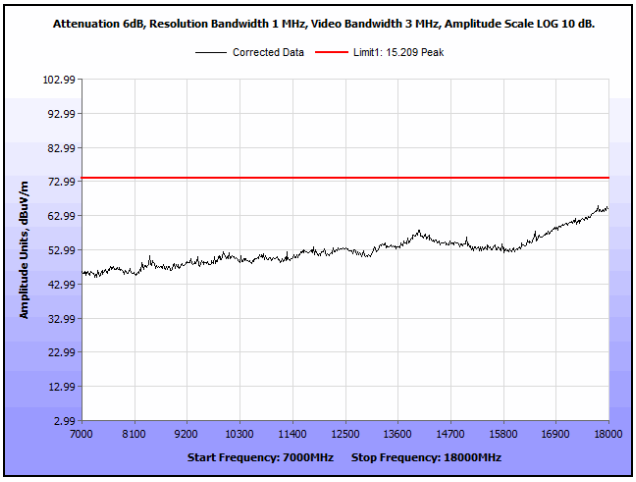
Plot 720. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 3SS, 1 GHz – 7 GHz, Average



Plot 721. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 3SS, 1 GHz – 7 GHz, Peak

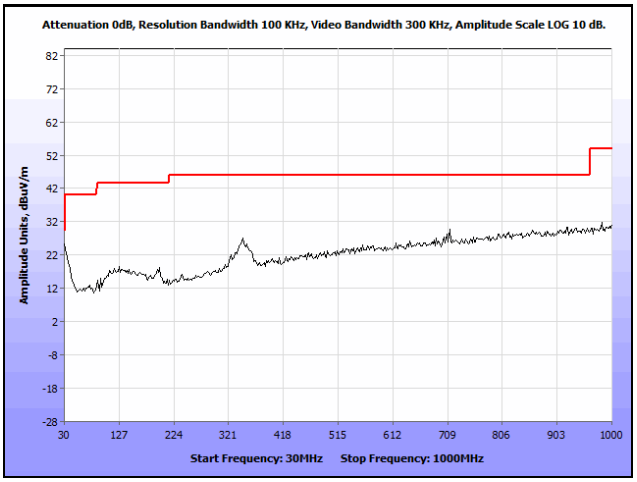


Plot 722. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 3SS, 7 GHz – 18 GHz, Average

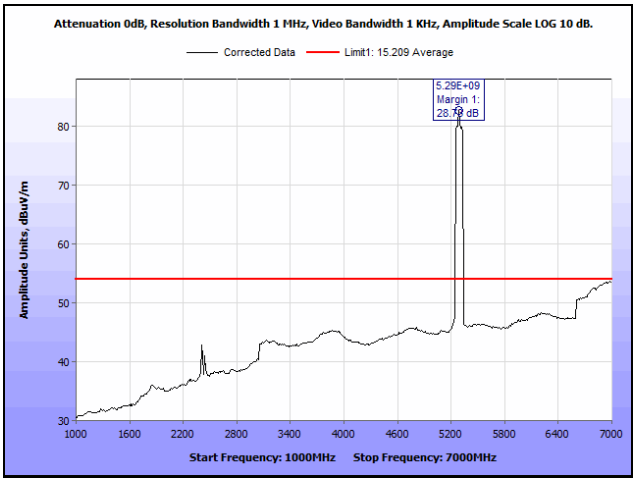


Plot 723. Radiated Spurious Emissions, 802.11ac 40 MH, Channel 142, 3SS, 7 GHz – 18 GHz, Peak

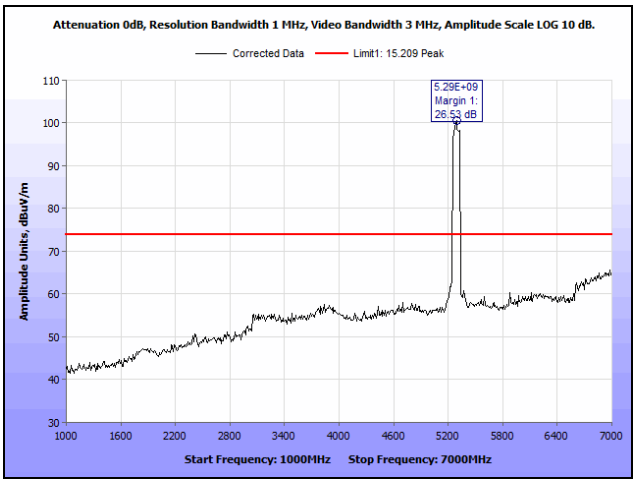
Radiated Spurious Emissions, 802.11ac 80 MHz, 1SS



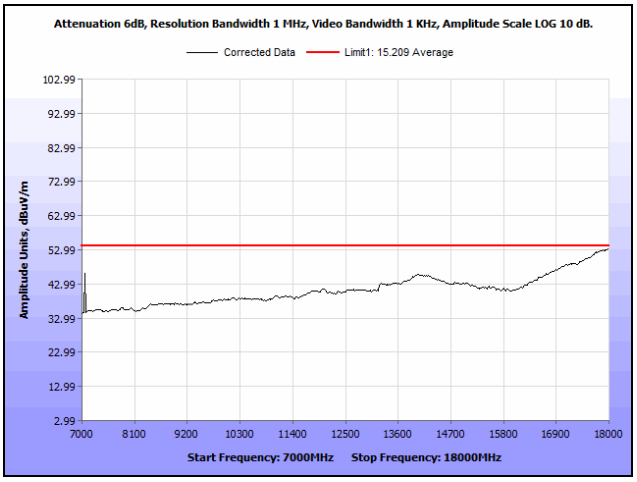
Plot 724. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 1SS, 30 MHz – 1 GHz



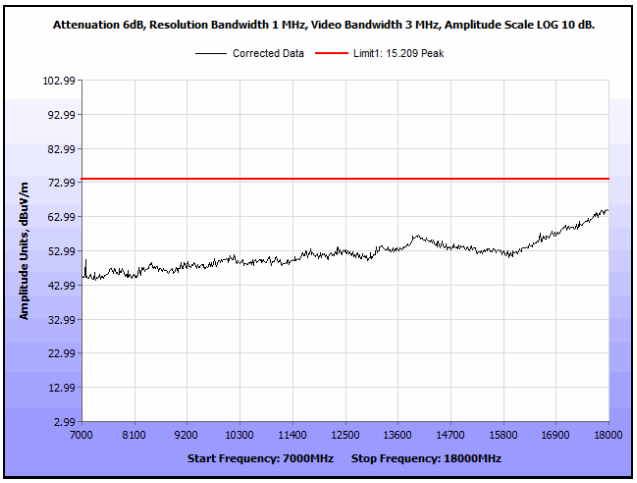
Plot 725. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 1SS, 1 GHz – 7 GHz, Average



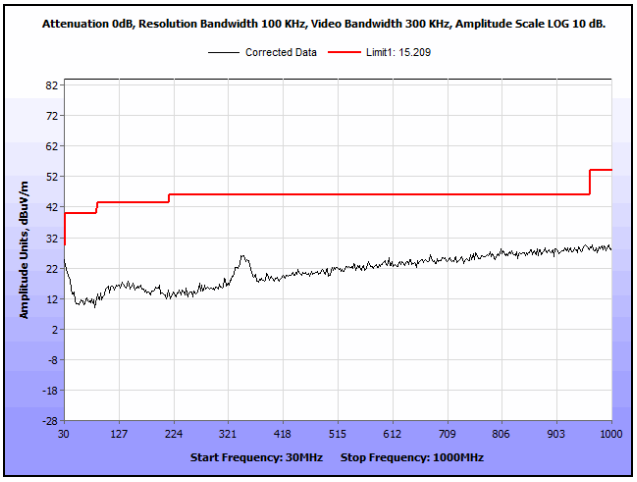
Plot 726. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 1SS, 1 GHz – 7 GHz, Peak



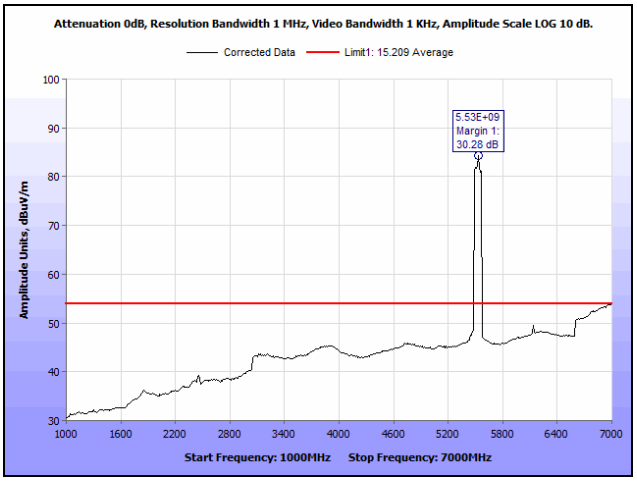
Plot 727. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 1SS, 7 GHz – 18 GHz, Average



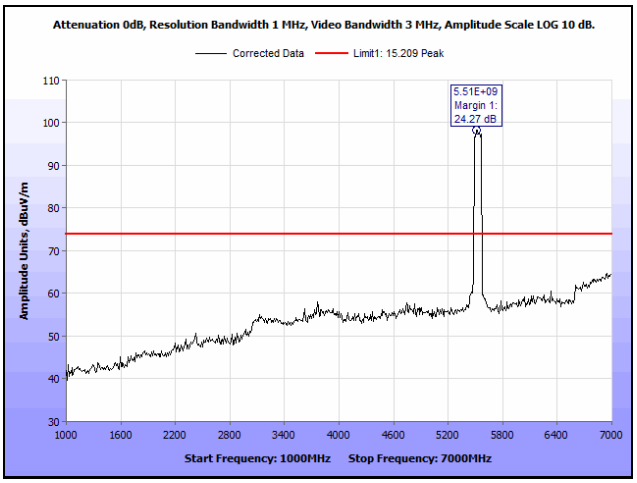
Plot 728. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 1SS, 7 GHz – 18 GHz, Peak



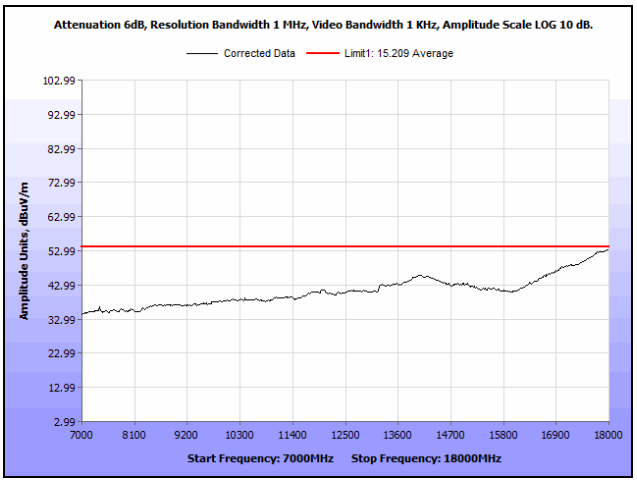
Plot 729. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 1SS, 30 MHz – 1 GHz



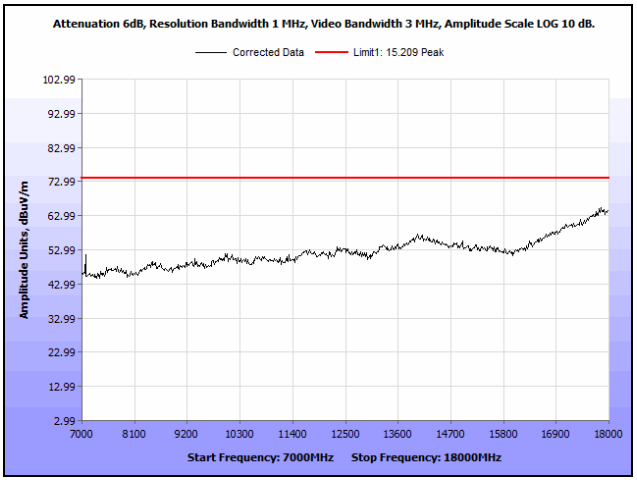
Plot 730. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 1SS, 1 GHz – 7 GHz, Average



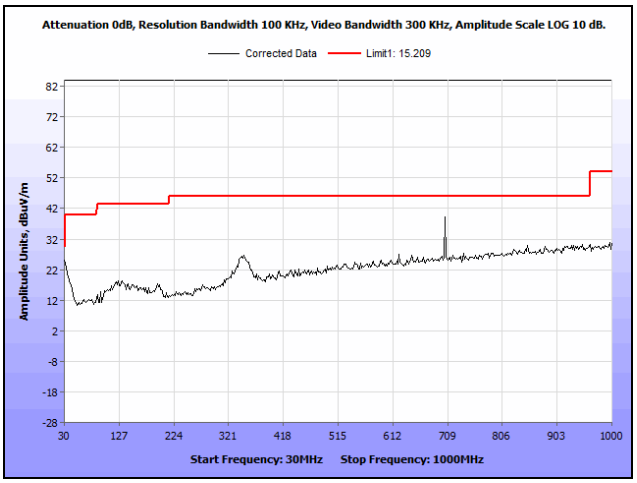
Plot 731. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 1SS, 1 GHz – 7 GHz, Peak



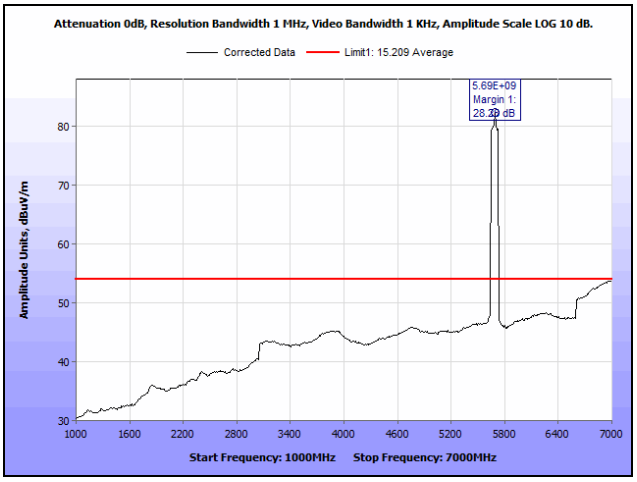
Plot 732. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 1SS, 7 GHz – 18 GHz, Average



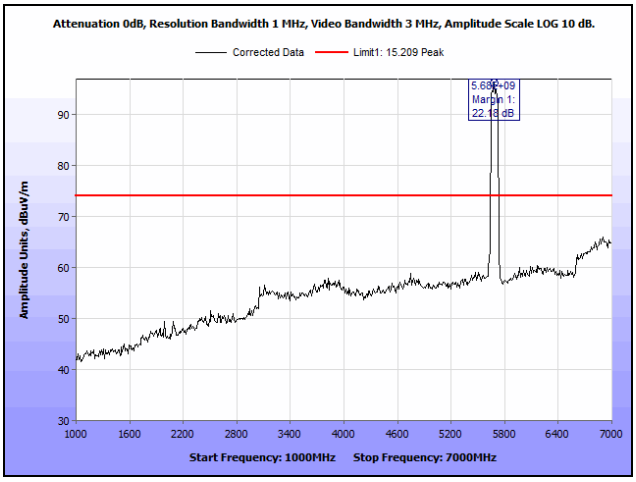
Plot 733. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 1SS, 7 GHz – 18 GHz, Peak



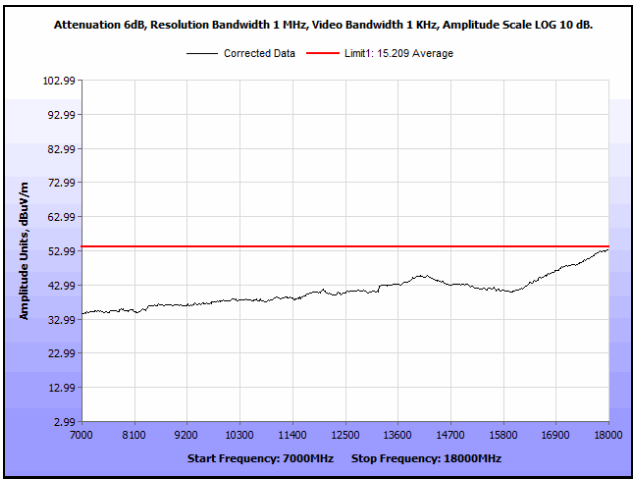
Plot 734. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 1SS, 30 MHz – 1 GHz



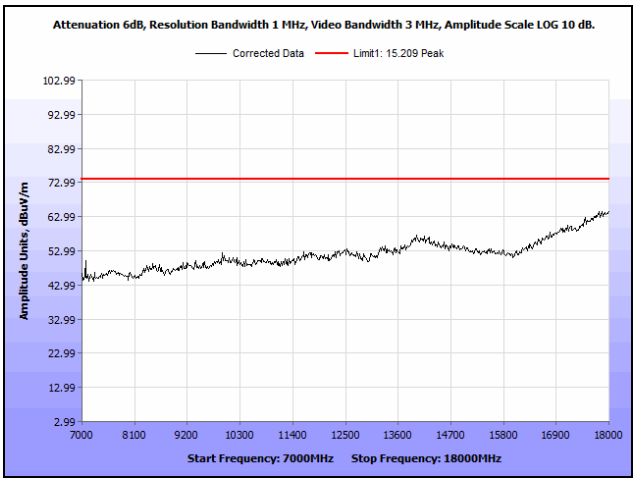
Plot 735. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 1SS, 1 GHz – 7 GHz, Average



Plot 736. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 1SS, 1 GHz – 7 GHz, Peak

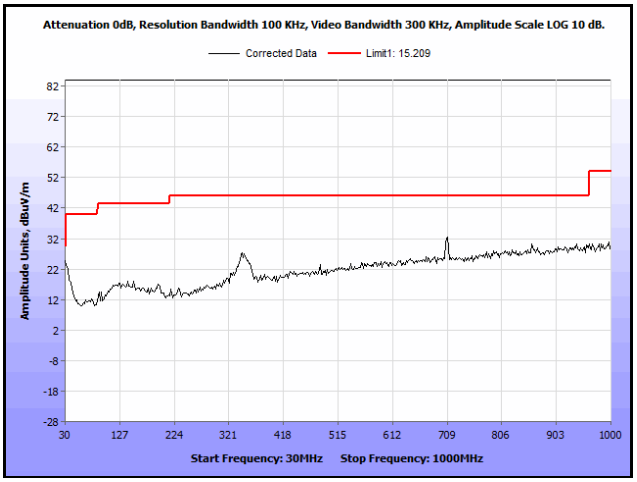


Plot 737. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 1SS, 7 GHz – 18 GHz, Average

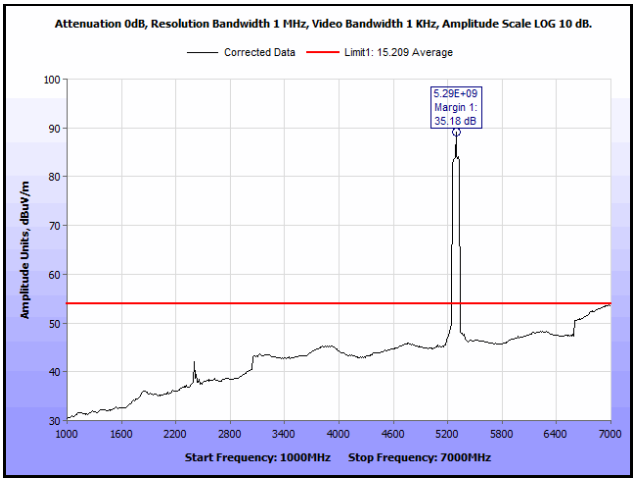


Plot 738. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 1SS, 7 GHz – 18 GHz, Peak

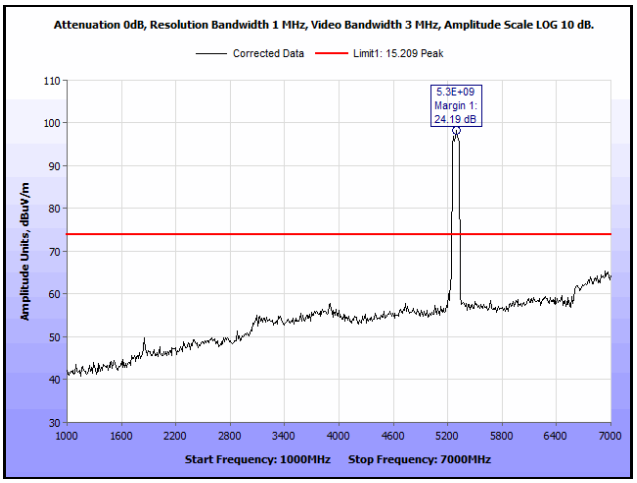
Radiated Spurious Emissions, 802.11ac 80 MHz, 2SS



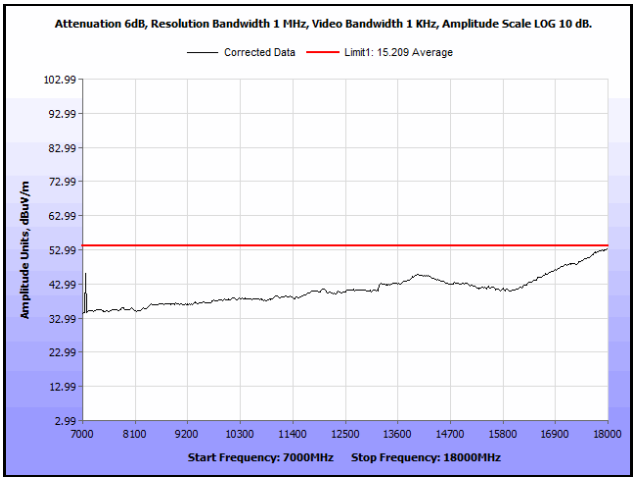
Plot 739. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 2SS, 30 MHz – 1 GHz



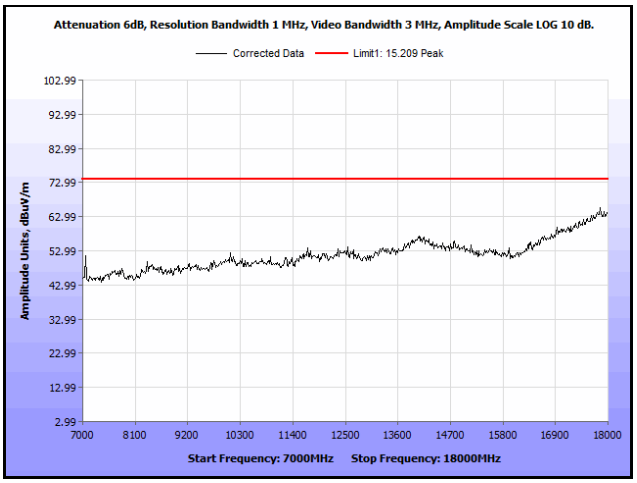
Plot 740. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 2SS, 1 GHz – 7 GHz, Average



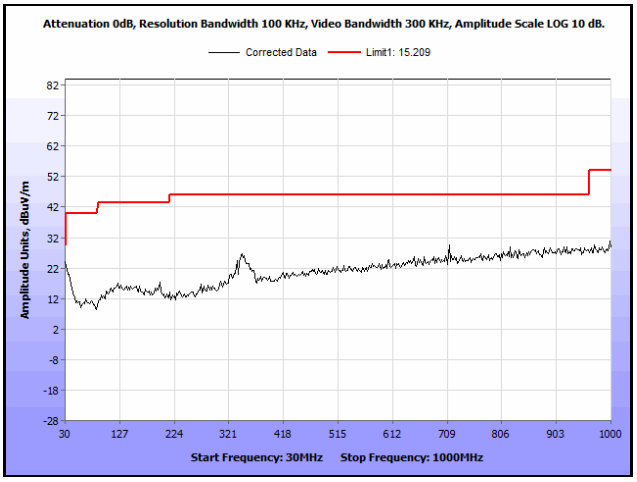
Plot 741. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 2SS, 1 GHz – 7 GHz, Peak



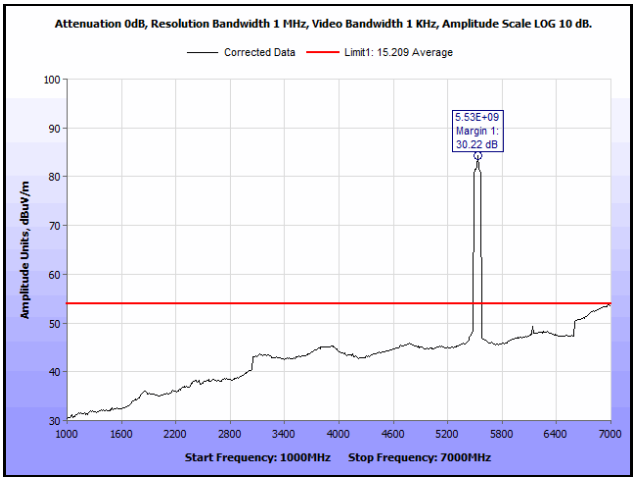
Plot 742. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 2SS, 7 GHz – 18 GHz, Average



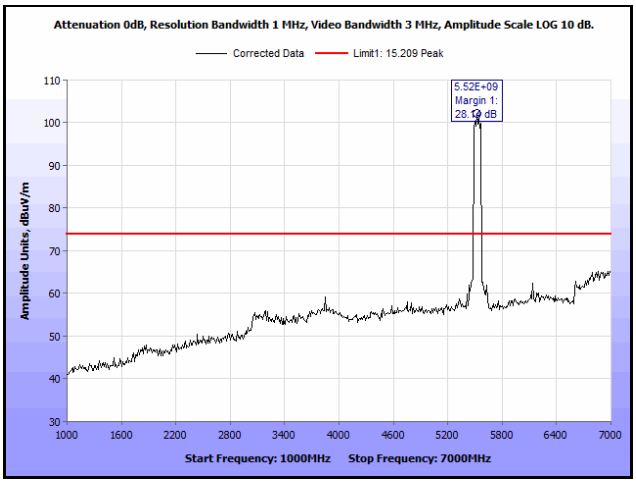
Plot 743. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 2SS, 7 GHz – 18 GHz, Peak



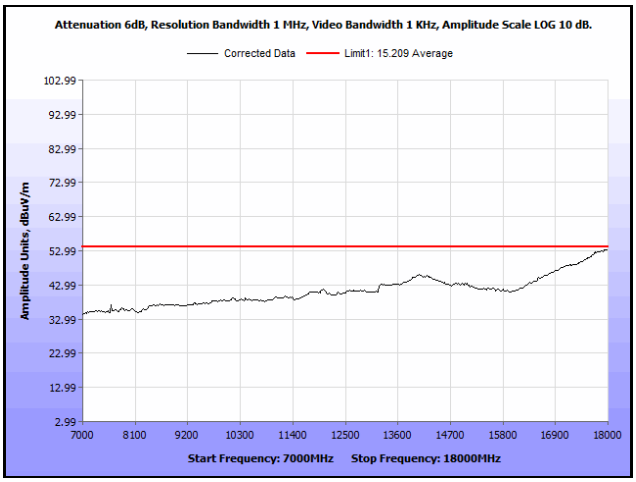
Plot 744. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 2SS, 30 MHz – 1 GHz



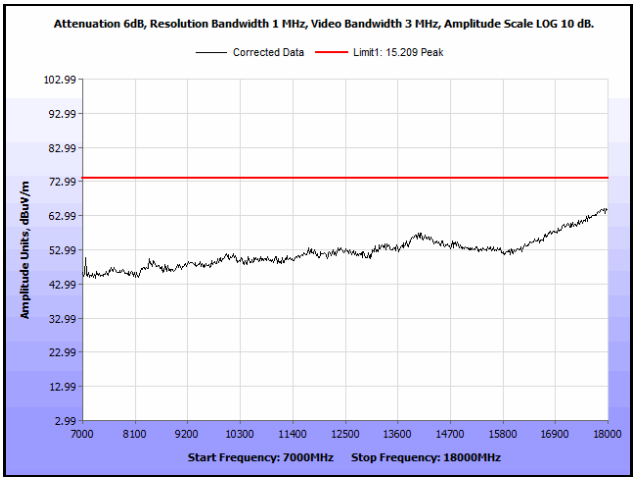
Plot 745. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 2SS, 1 GHz – 7 GHz, Average



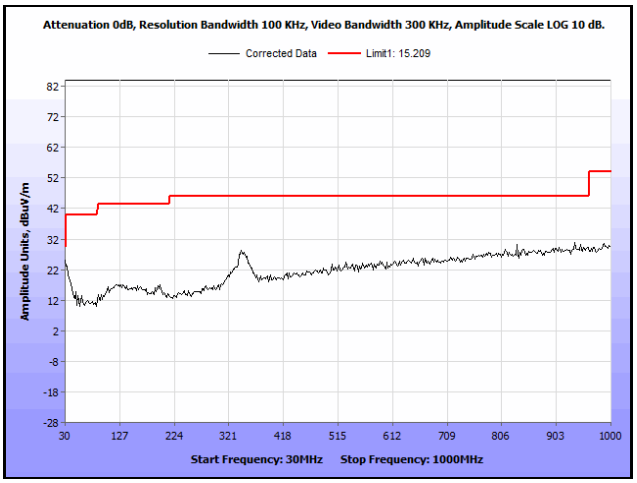
Plot 746. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 2SS, 1 GHz – 7 GHz, Peak



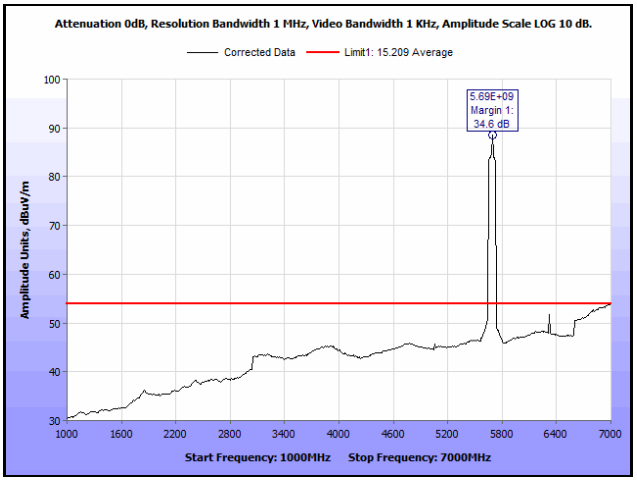
Plot 747. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 2SS, 7 GHz – 18 GHz, Average



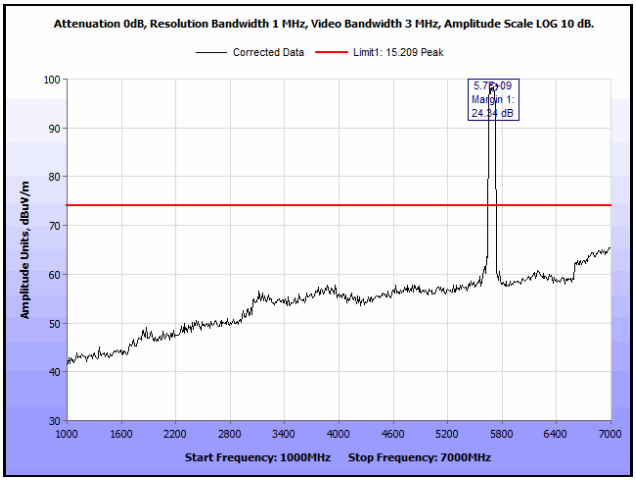
Plot 748. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 2SS, 7 GHz – 18 GHz, Peak



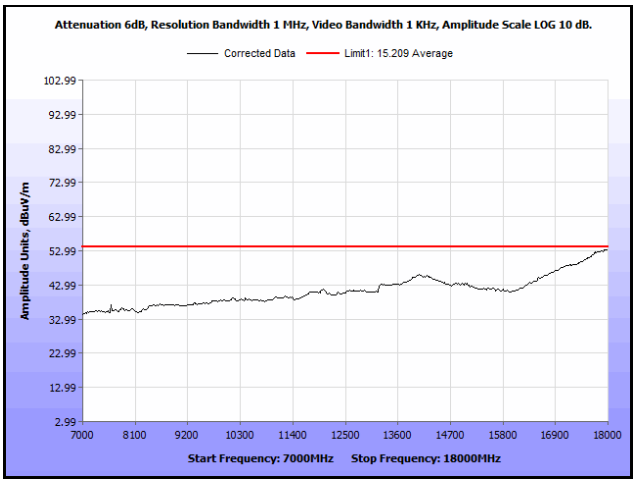
Plot 749. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 2SS, 30 MHz – 1 GHz



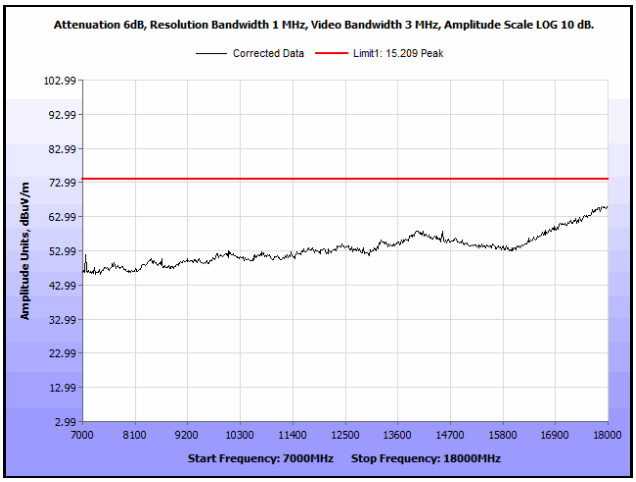
Plot 750. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 2SS, 1 GHz – 7 GHz, Average



Plot 751. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 2SS, 1 GHz – 7 GHz, Peak

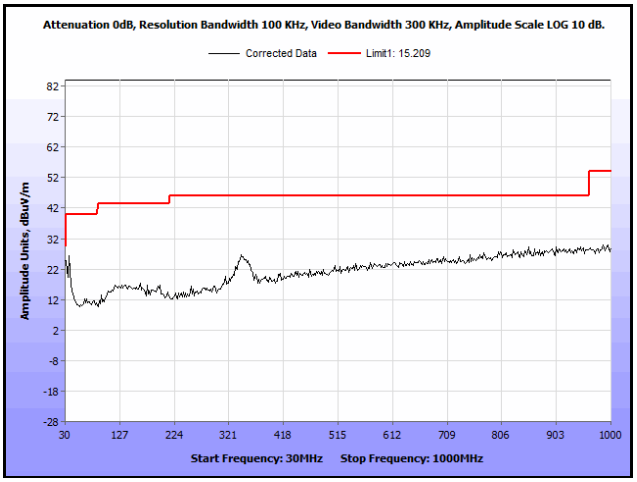


Plot 752. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 2SS, 7 GHz – 18 GHz, Average

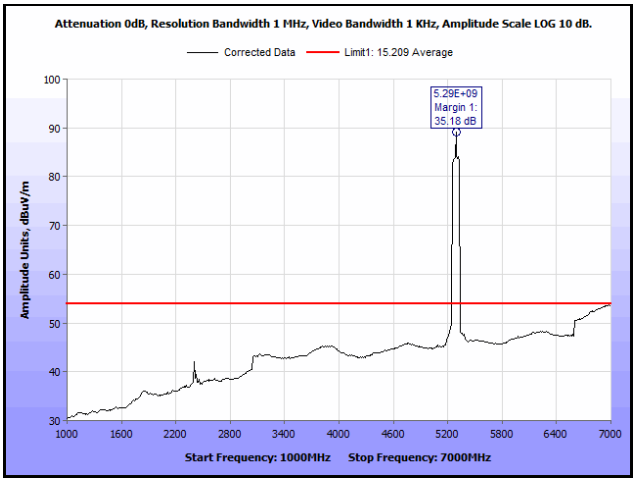


Plot 753. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 2SS, 7 GHz – 18 GHz, Peak

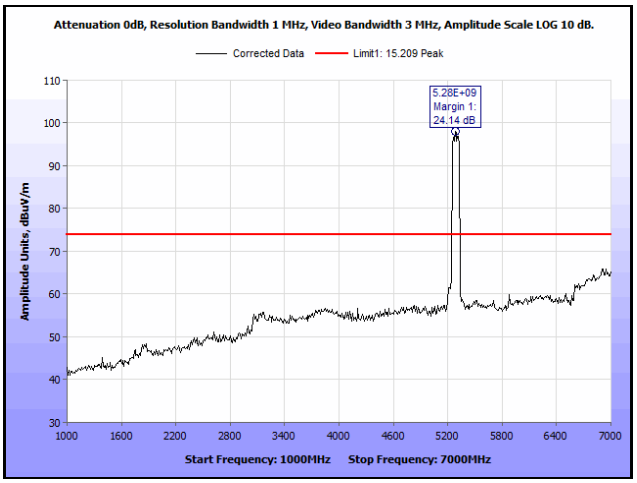
Radiated Spurious Emissions, 802.11ac 80 MHz, 3SS



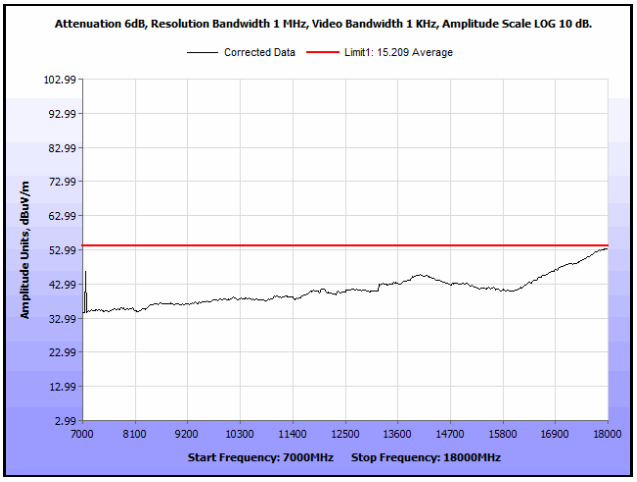
Plot 754. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 3SS, 30 MHz – 1 GHz



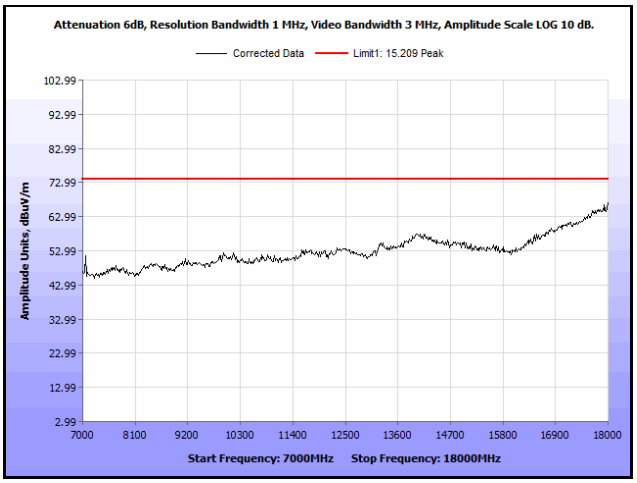
Plot 755. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 3SS, 1 GHz – 7 GHz, Average



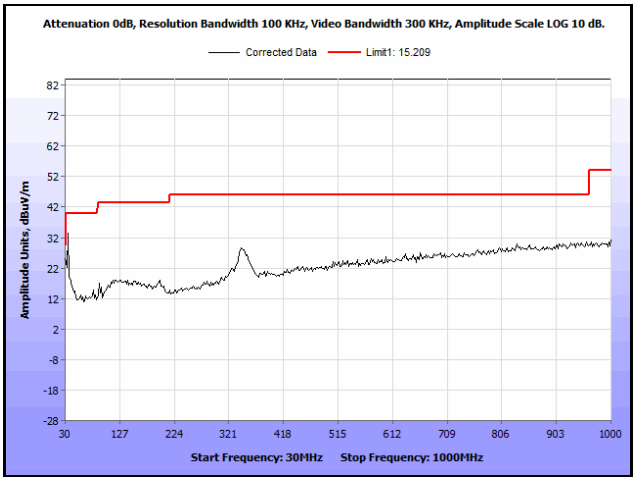
Plot 756. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 3SS, 1 GHz – 7 GHz, Peak



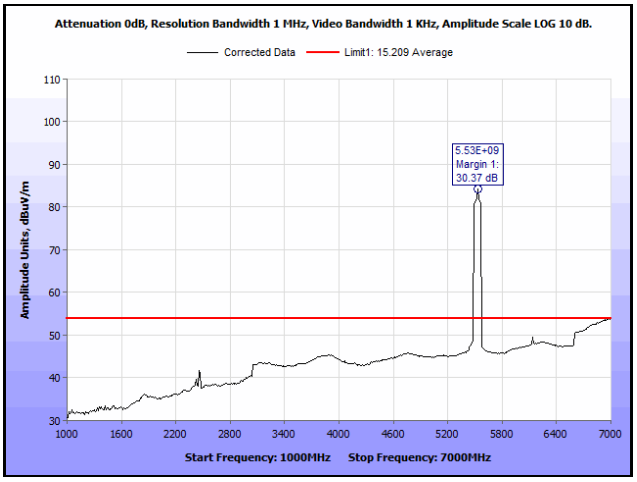
Plot 757. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 3SS, 7 GHz – 18 GHz, Average



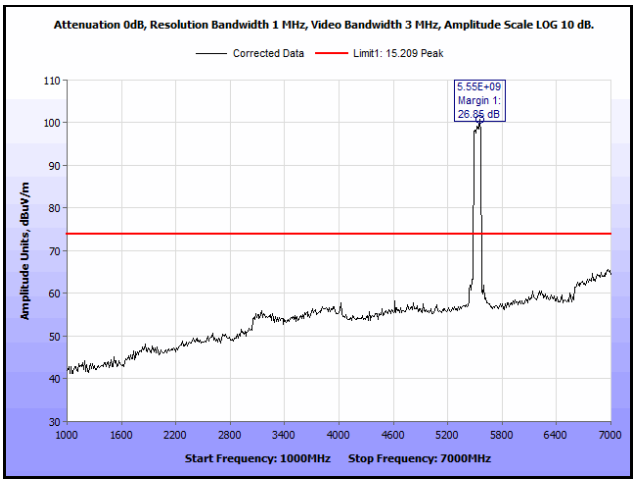
Plot 758. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 58, 3SS, 7 GHz – 18 GHz, Peak



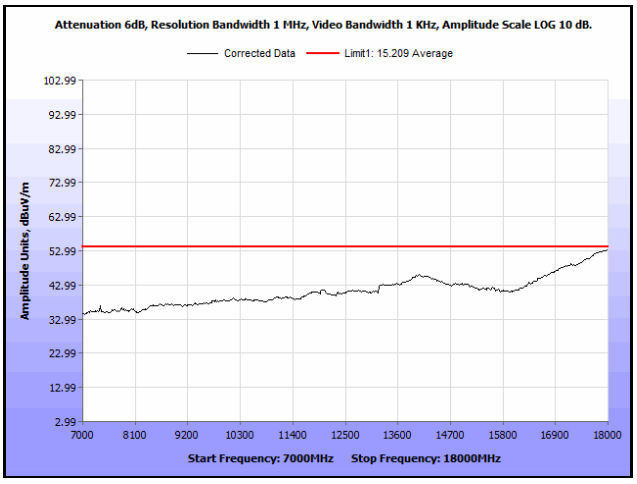
Plot 759. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 3SS, 30 MHz – 1 GHz



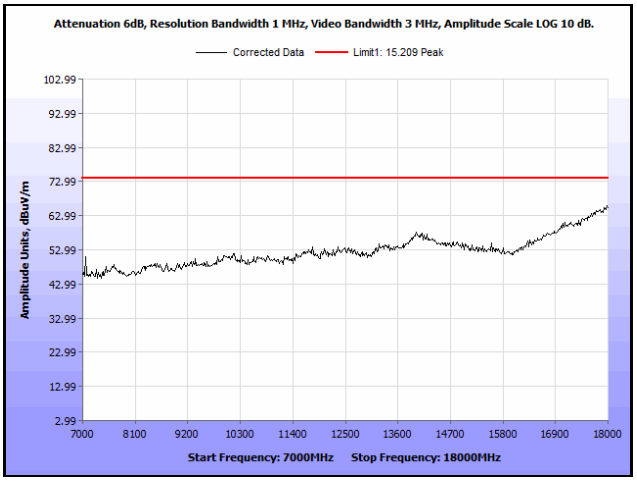
Plot 760. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 3SS, 1 GHz – 7 GHz, Average



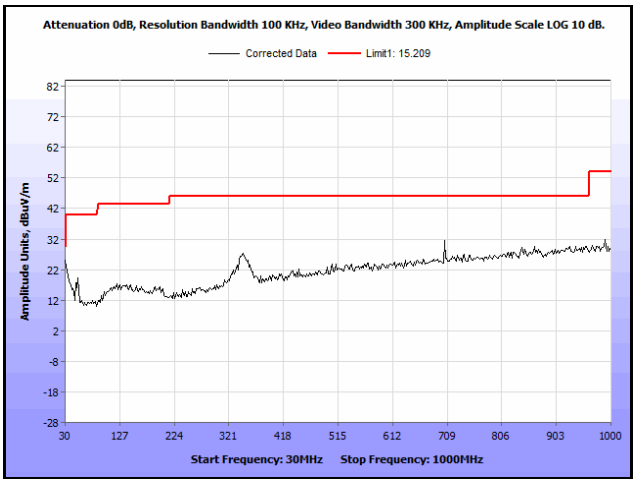
Plot 761. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 3SS, 1 GHz – 7 GHz, Peak



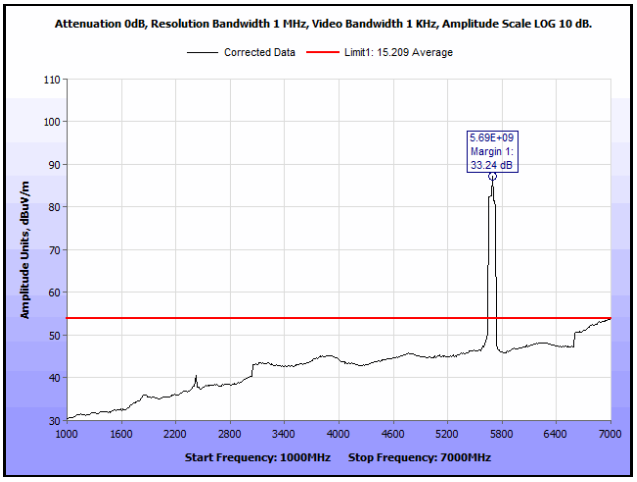
Plot 762. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 3SS, 7 GHz – 18 GHz, Average



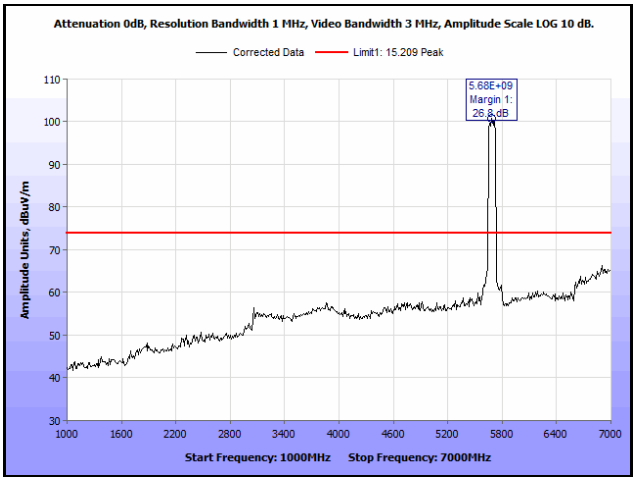
Plot 763. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 106, 3SS, 7 GHz – 18 GHz, Peak



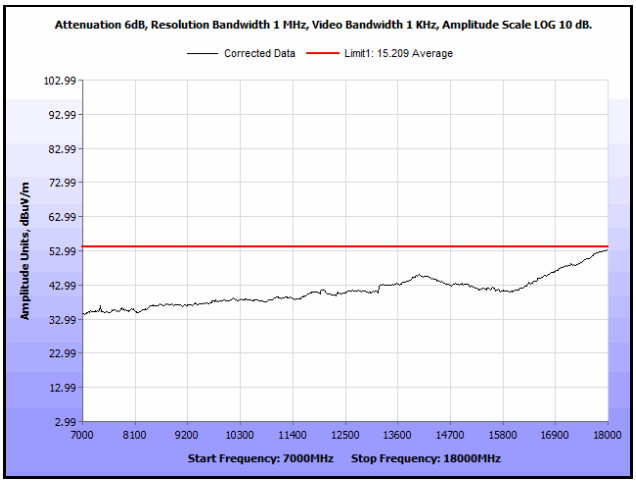
Plot 764. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 3SS, 30 MHz – 1 GHz



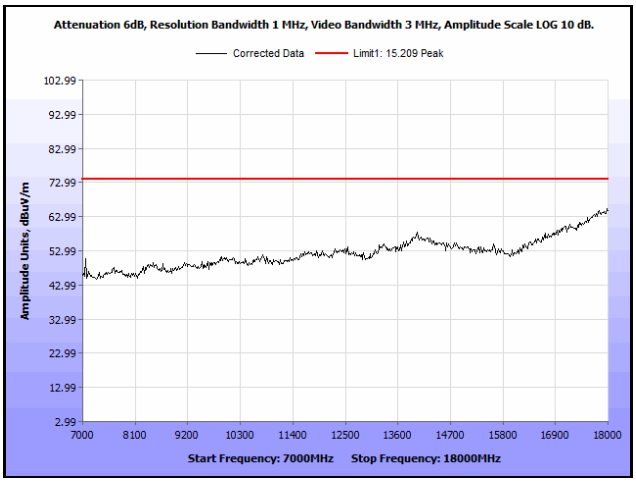
Plot 765. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 3SS, 1 GHz – 7 GHz, Average



Plot 766. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 3SS, 1 GHz – 7 GHz, Peak

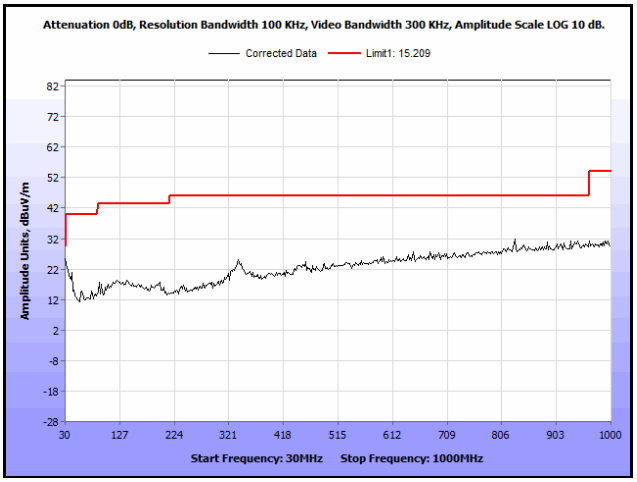


Plot 767. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 3SS, 7 GHz – 18 GHz, Average

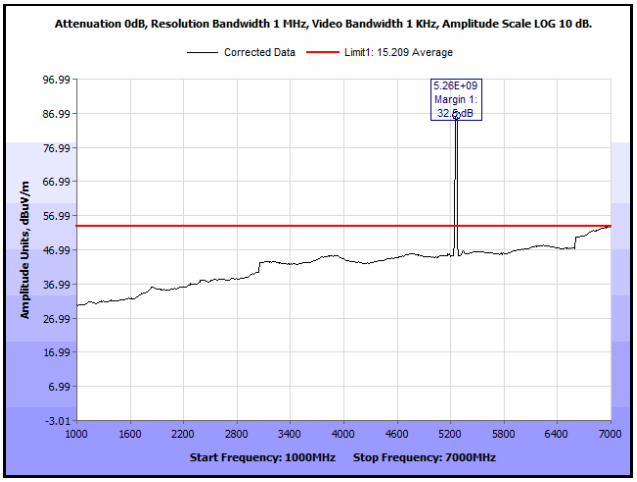


Plot 768. Radiated Spurious Emissions, 802.11ac 80 MH, Channel 138, 3SS, 7 GHz – 18 GHz, Peak

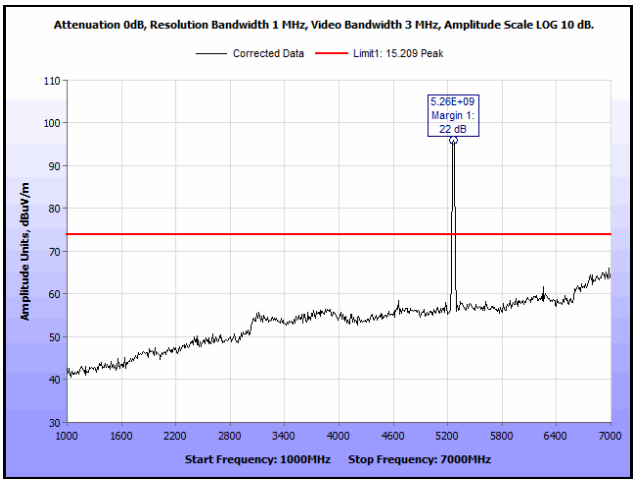
Radiated Spurious Emissions, 802.11n 20 MHz, 1SS



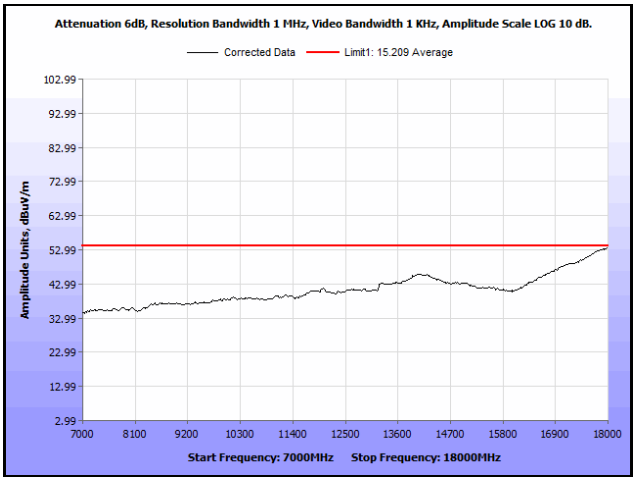
Plot 769. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 1SS, 30 MHz – 1 GHz



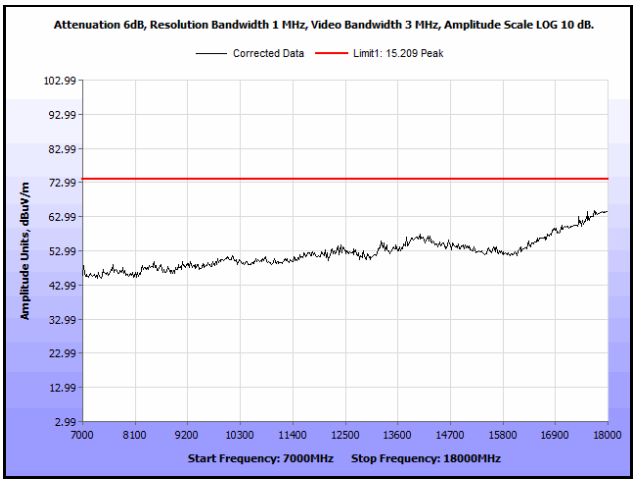
Plot 770. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 1SS, 1 GHz – 7 GHz, Average



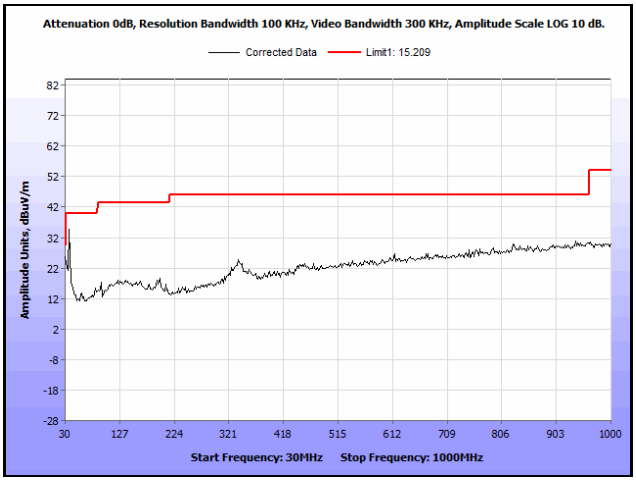
Plot 771. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 1SS, 1 GHz – 7 GHz, Peak



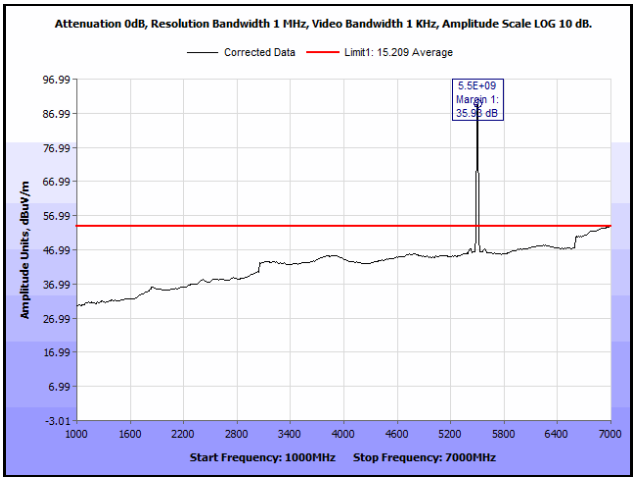
Plot 772. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 1SS, 7 GHz – 18 GHz, Average



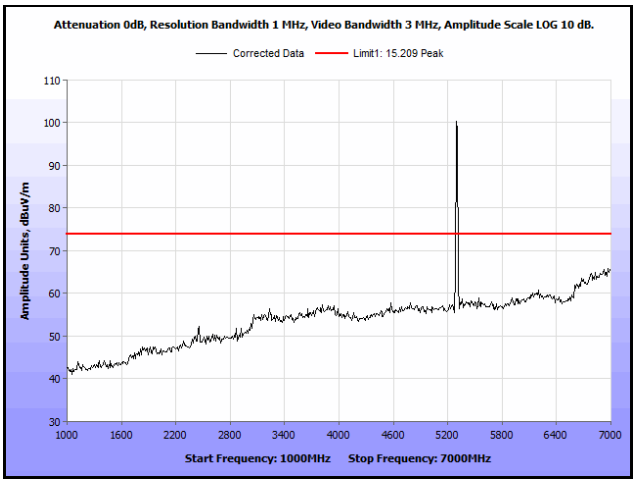
Plot 773. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 1SS, 7 GHz – 18 GHz, Peak



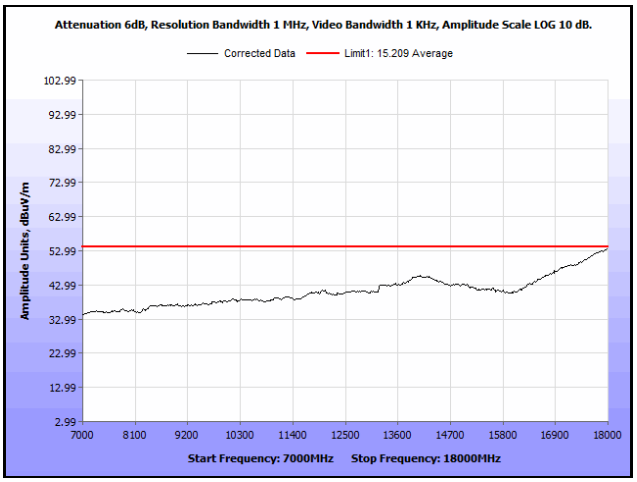
Plot 774. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 1SS, 30 MHz – 1 GHz



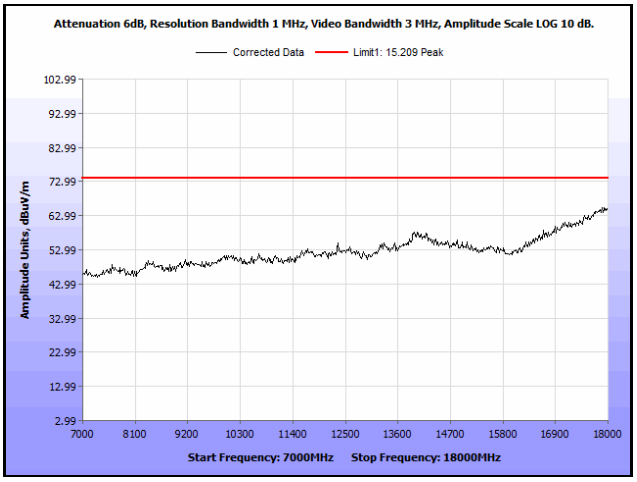
Plot 775. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 1SS, 1 GHz – 7 GHz, Average



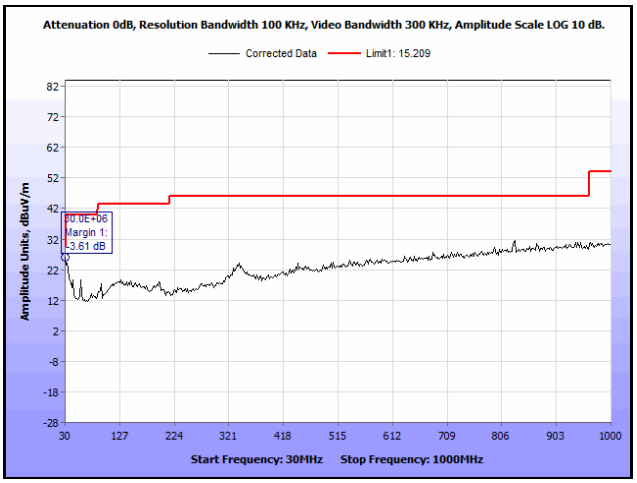
Plot 776. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 1SS, 1 GHz – 7 GHz, Peak



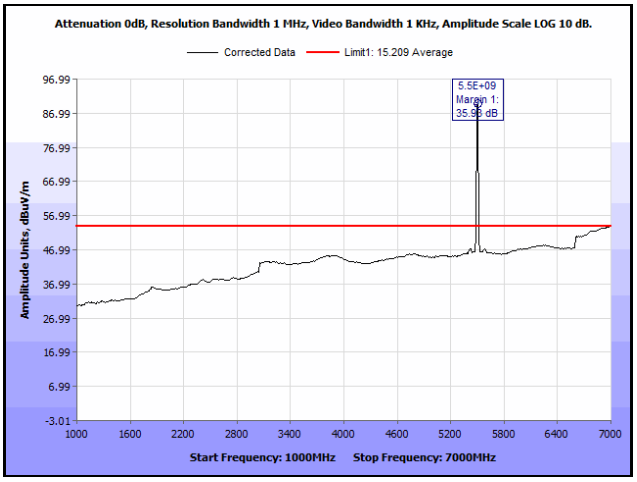
Plot 777. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 1SS, 7 GHz – 18 GHz, Average



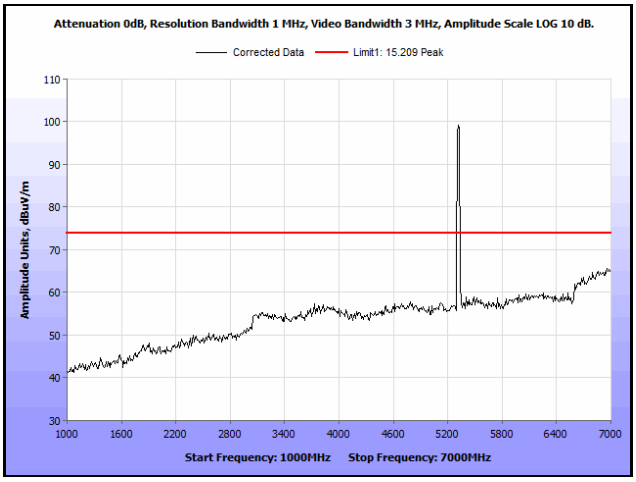
Plot 778. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 1SS, 7 GHz – 18 GHz, Peak



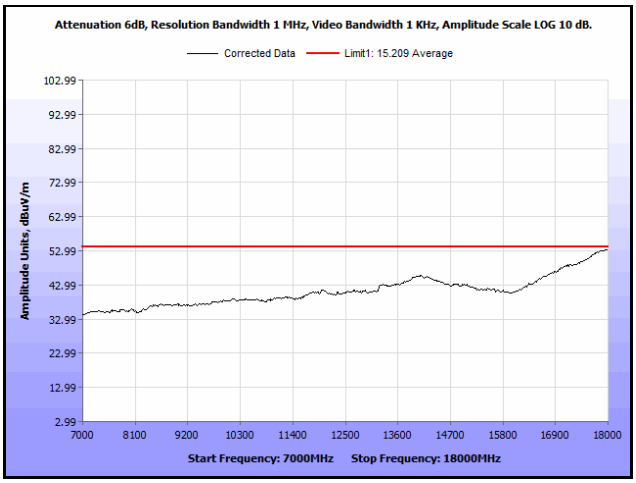
Plot 779. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 1SS, 30 MHz – 1 GHz



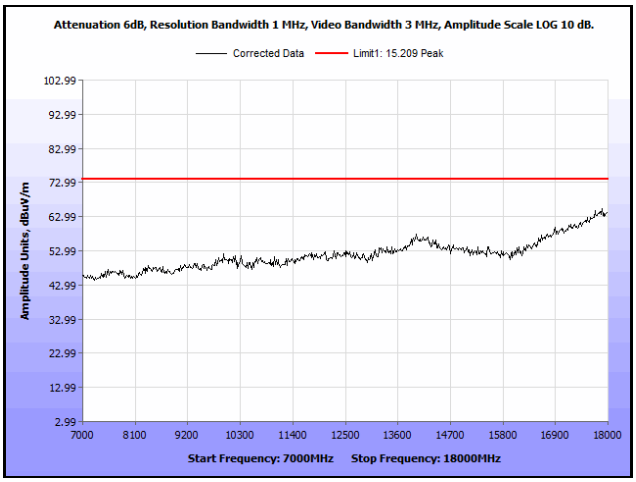
Plot 780. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 1SS, 1 GHz – 7 GHz, Average



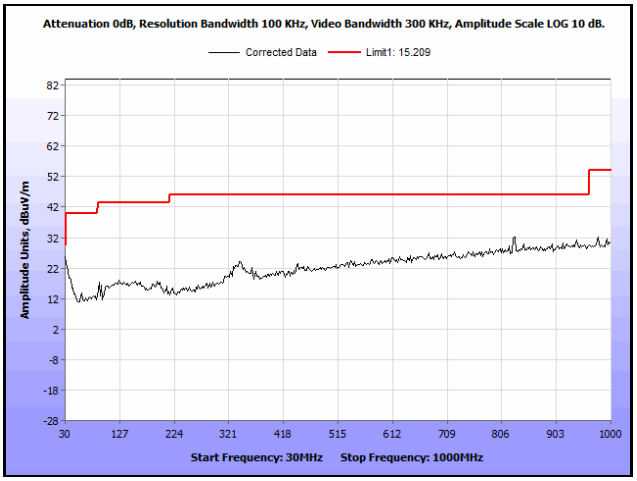
Plot 781. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 1SS, 1 GHz – 7 GHz, Peak



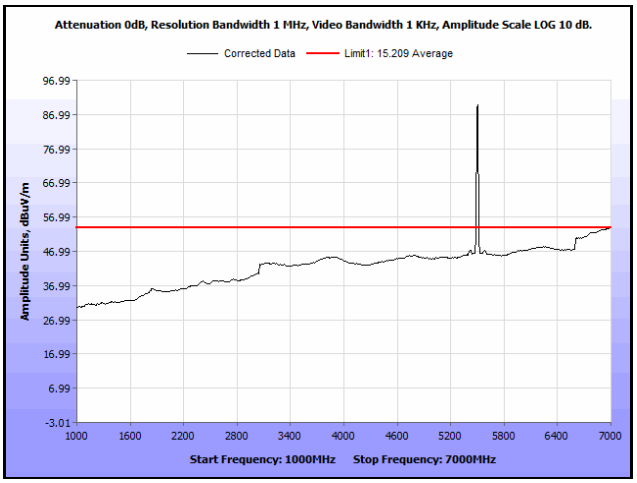
Plot 782. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 1SS, 7 GHz – 18 GHz, Average



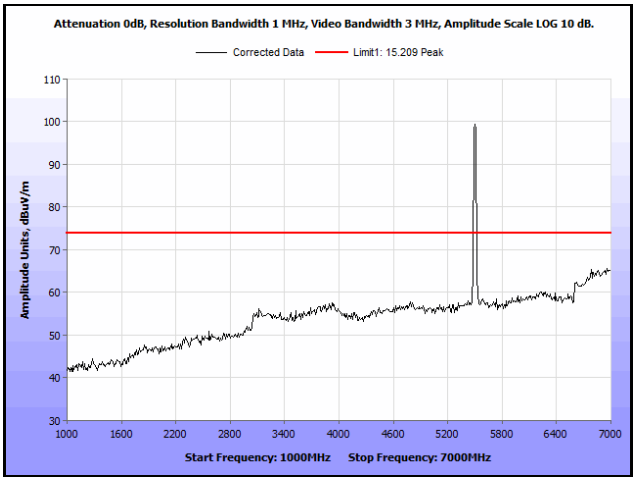
Plot 783. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 1SS, 7 GHz – 18 GHz, Peak



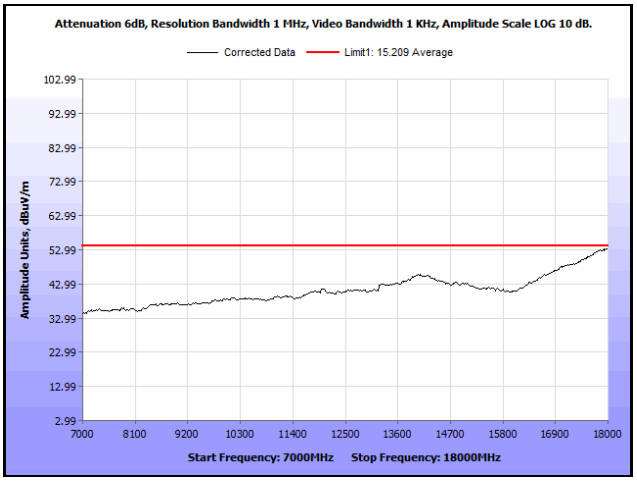
Plot 784. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 1SS, 30 MHz – 1 GHz



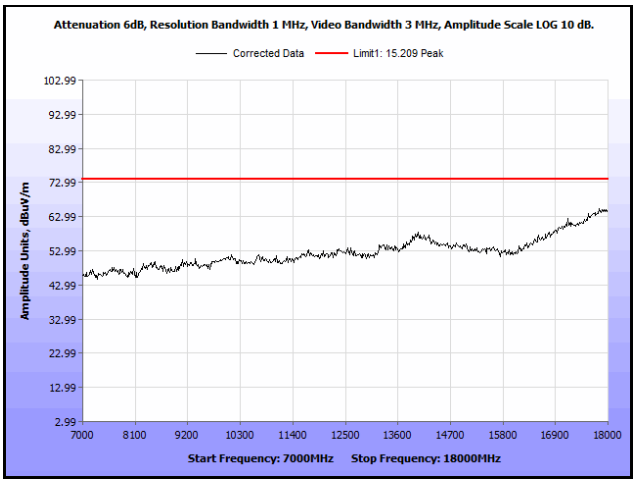
Plot 785. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 1SS, 1 GHz – 7 GHz, Average



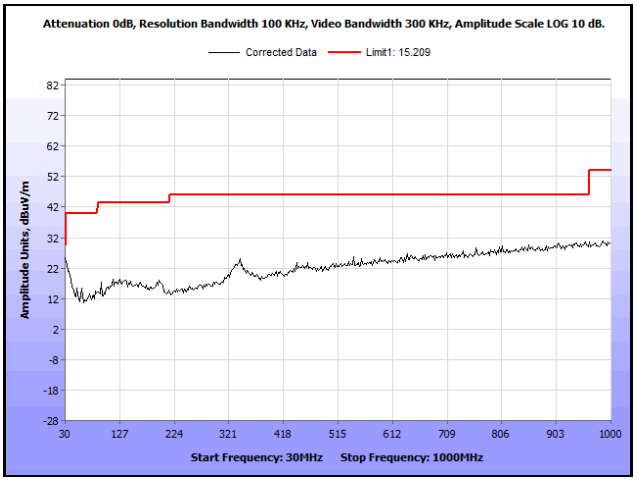
Plot 786. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 1SS, 1 GHz – 7 GHz, Peak



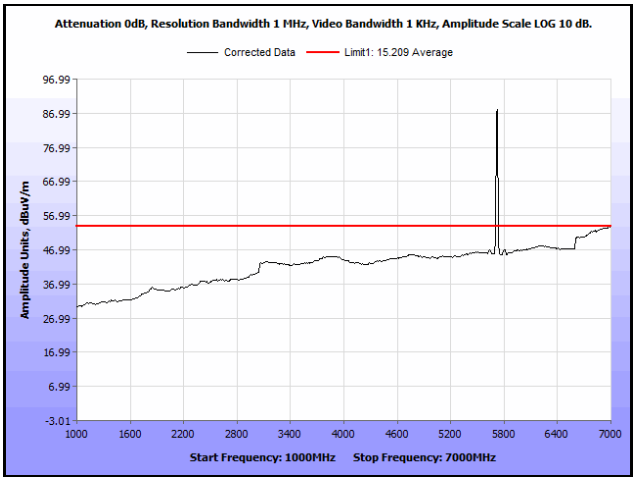
Plot 787. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 1SS, 7 GHz – 18 GHz, Average



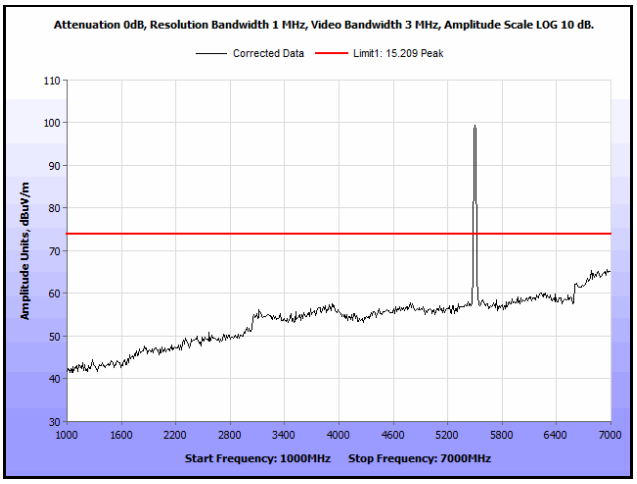
Plot 788. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 1SS, 7 GHz – 18 GHz, Peak



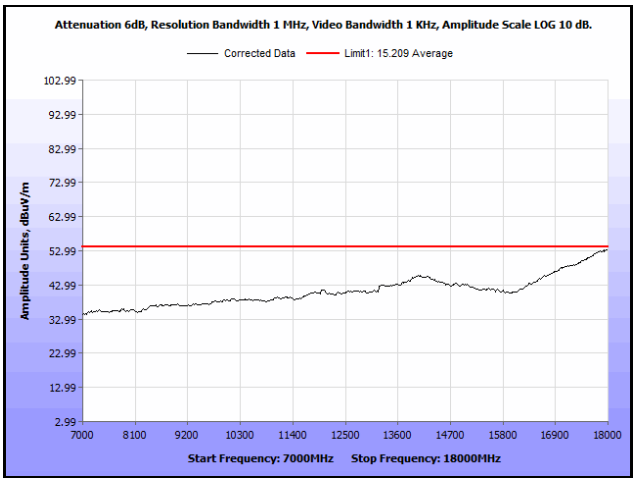
Plot 789. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 1SS, 30 MHz – 1 GHz



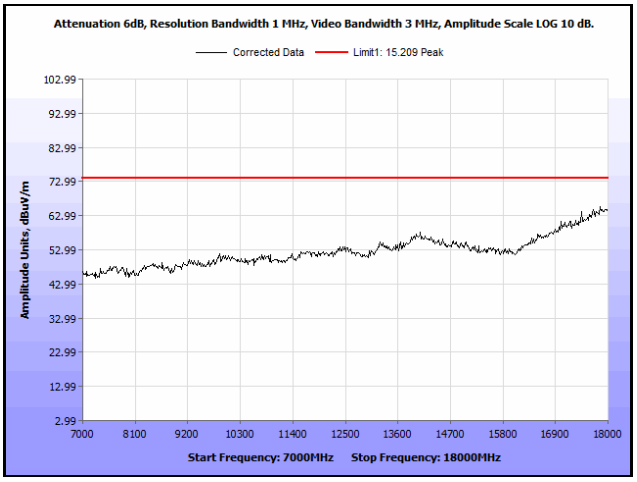
Plot 790. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 1SS, 1 GHz – 7 GHz, Average



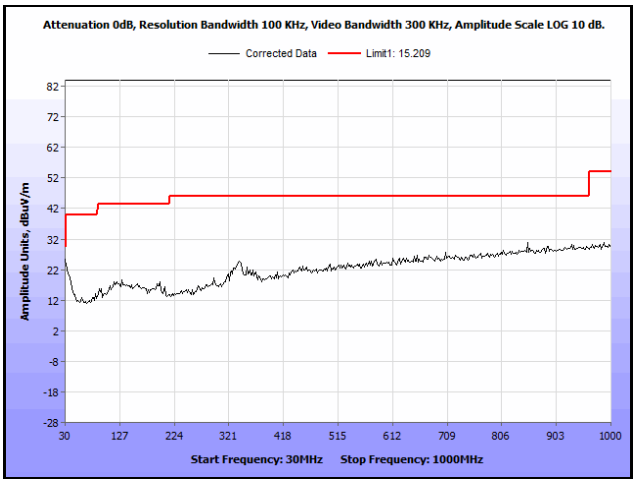
Plot 791. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 1SS, 1 GHz – 7 GHz, Peak



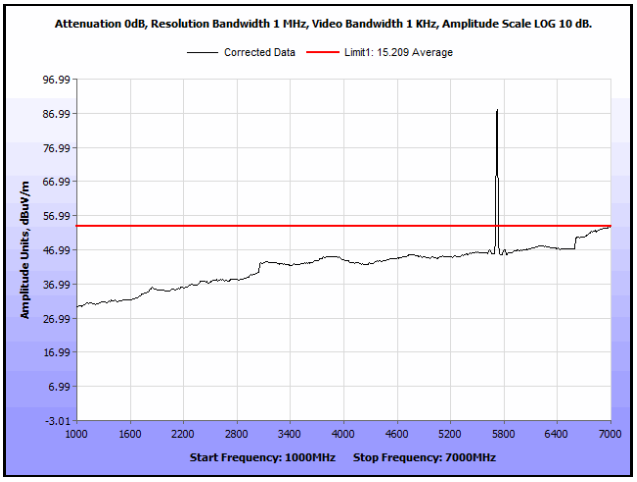
Plot 792. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 1SS, 7 GHz – 18 GHz, Average



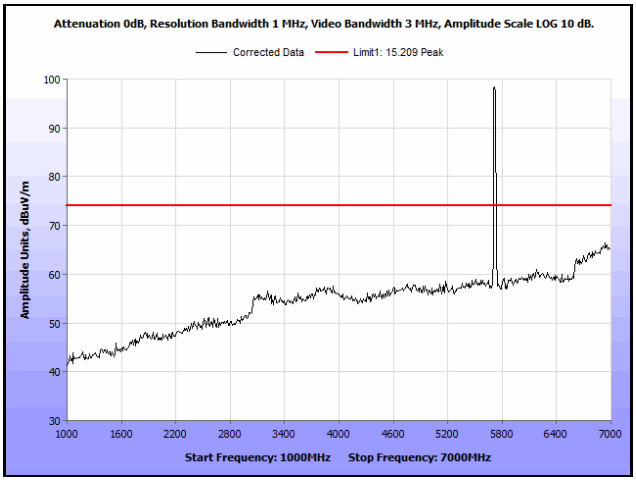
Plot 793. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 1SS, 7 GHz – 18 GHz, Peak



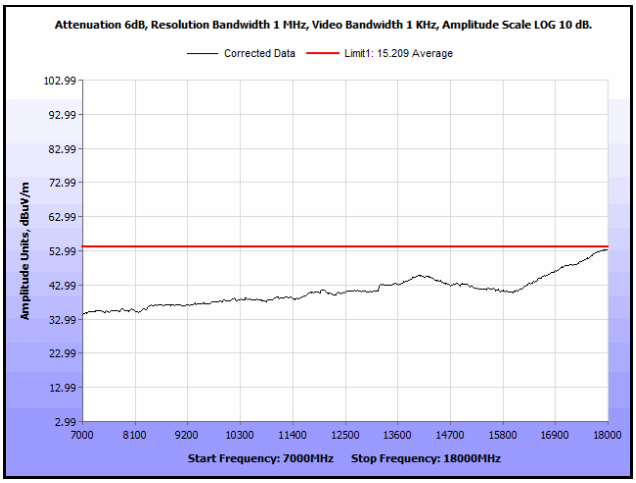
Plot 794. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 1SS, 30 MHz – 1 GHz



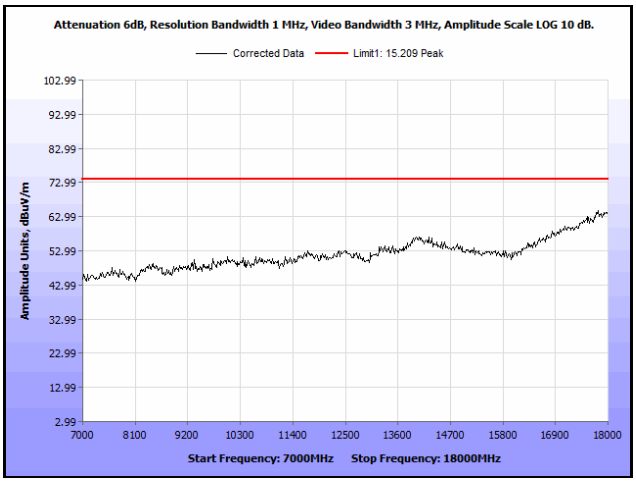
Plot 795. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 1SS, 1 GHz – 7 GHz, Average



Plot 796. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 1SS, 1 GHz – 7 GHz, Peak

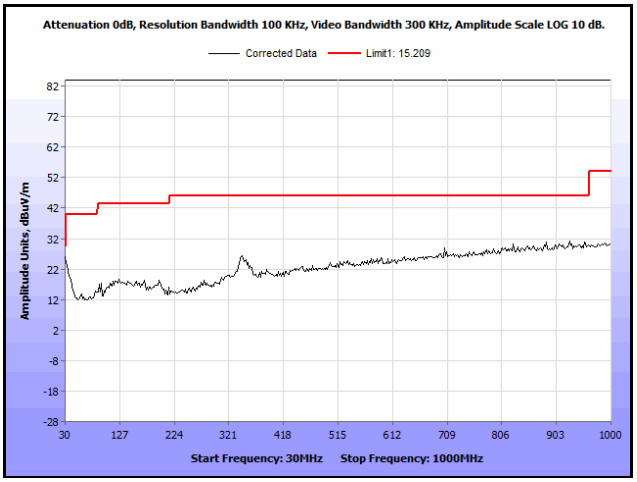


Plot 797. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 1SS, 7 GHz – 18 GHz, Average

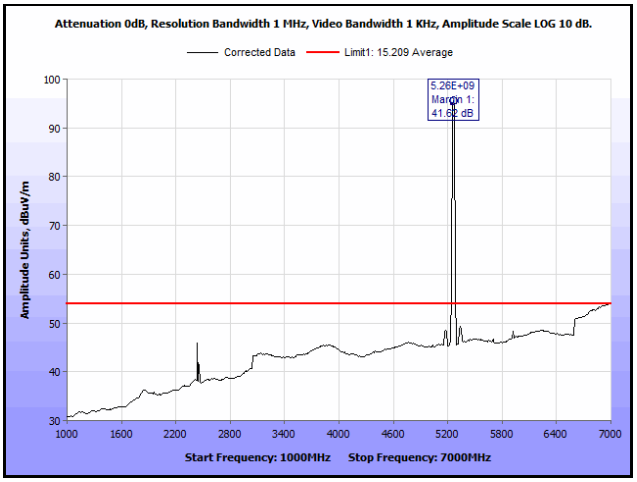


Plot 798. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 1SS, 7 GHz – 18 GHz, Peak

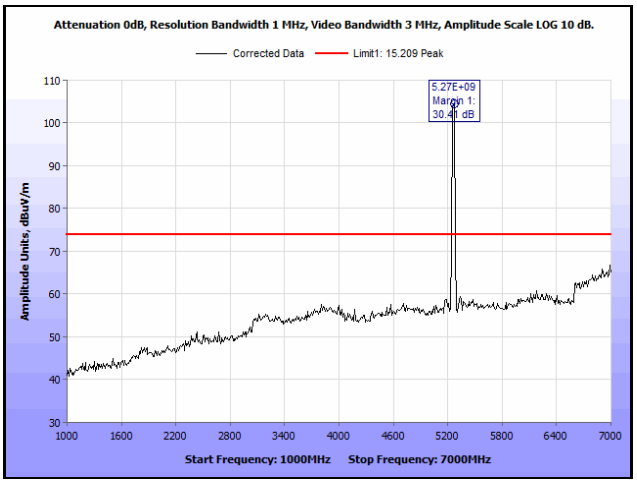
Radiated Spurious Emissions, 802.11n 20 MHz, 2SS



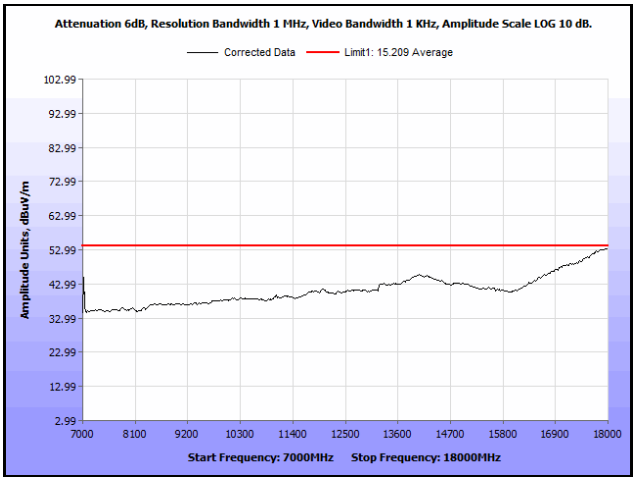
Plot 799. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 2SS, 30 MHz – 1 GHz



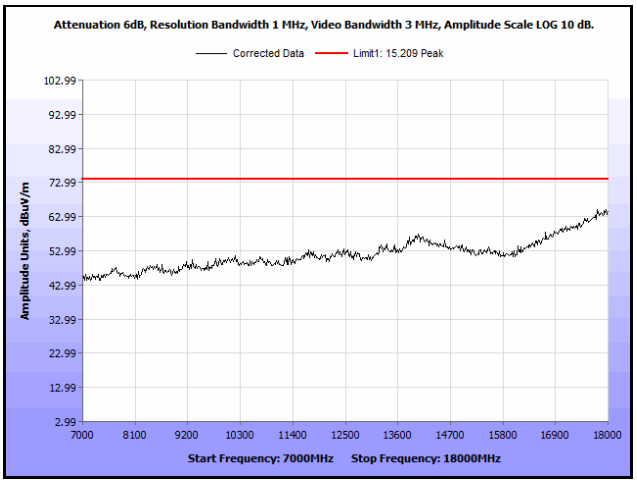
Plot 800. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 2SS, 1 GHz – 7 GHz, Average



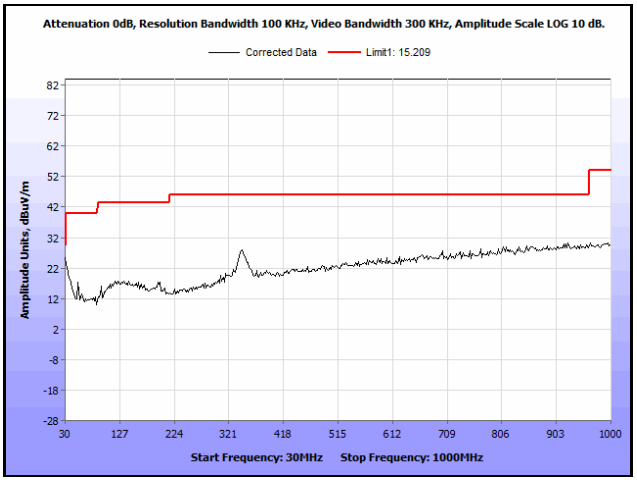
Plot 801. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 2SS, 1 GHz – 7 GHz, Peak



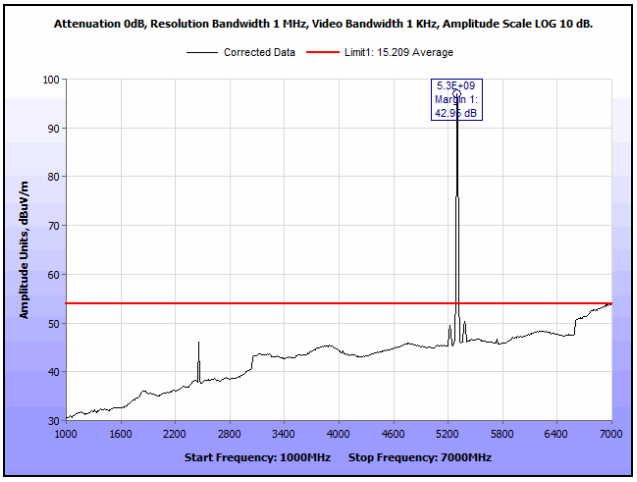
Plot 802. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 2SS, 7 GHz – 18 GHz, Average



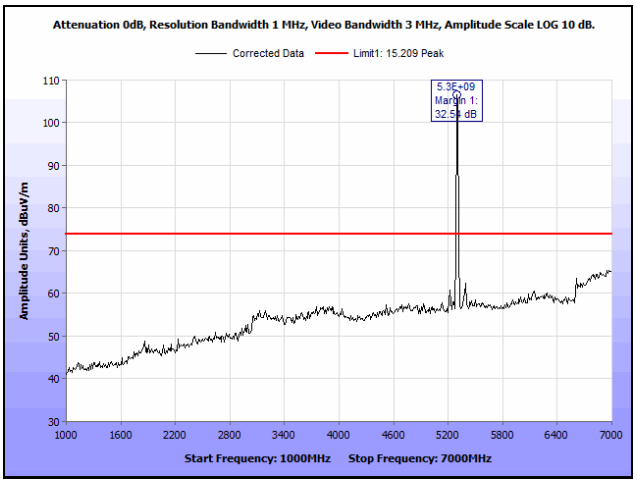
Plot 803. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 2SS, 7 GHz – 18 GHz, Peak



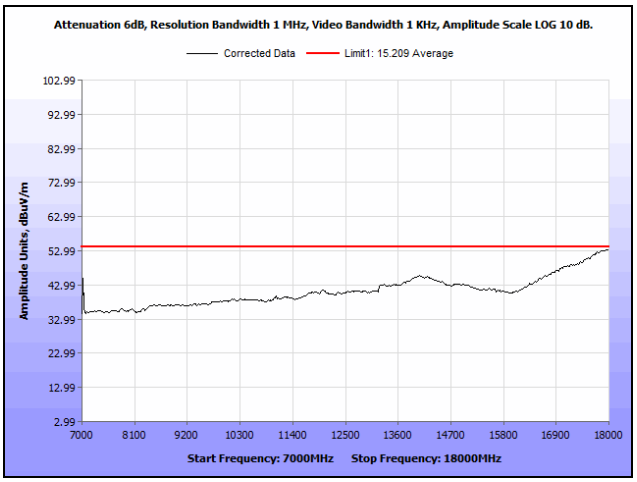
Plot 804. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 2SS, 30 MHz – 1 GHz



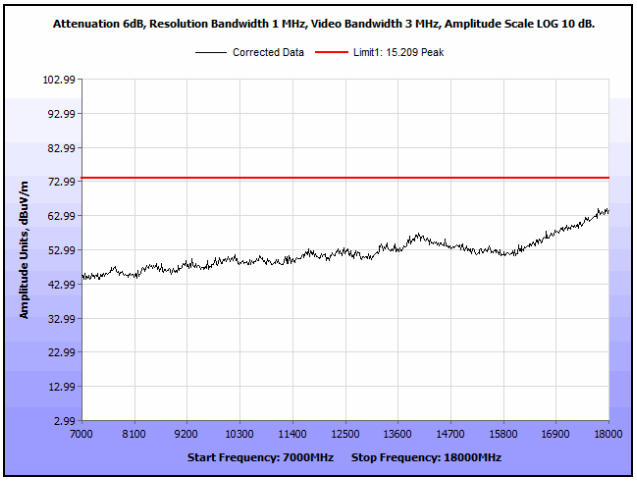
Plot 805. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 2SS, 1 GHz – 7 GHz, Average



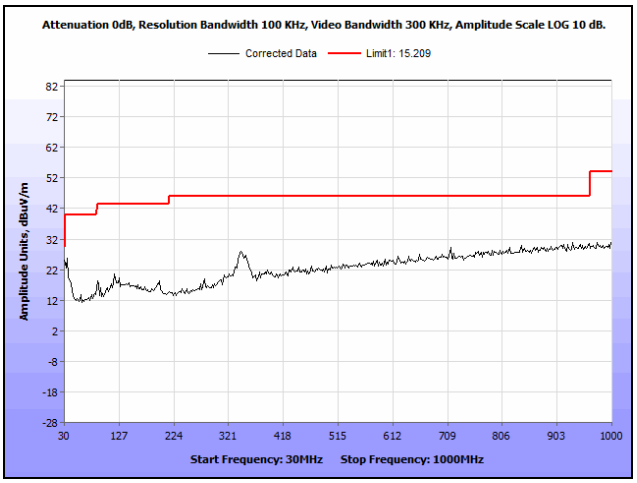
Plot 806. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 2SS, 1 GHz – 7 GHz, Peak



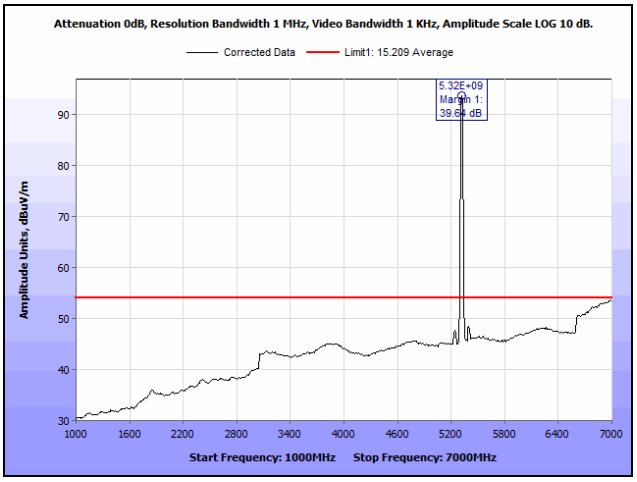
Plot 807. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 2SS, 7 GHz – 18 GHz, Average



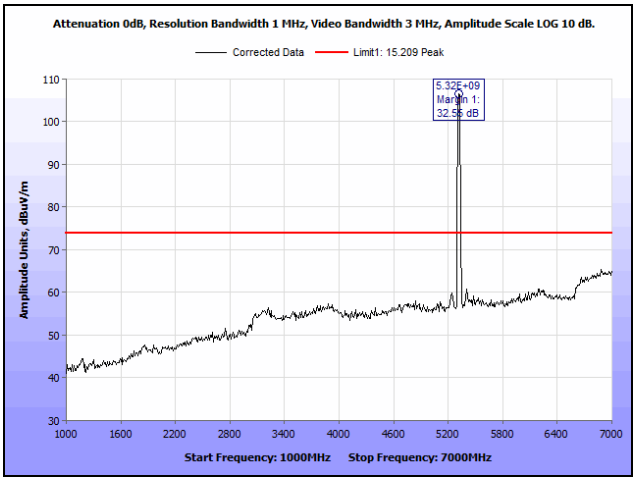
Plot 808. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 2SS, 7 GHz – 18 GHz, Peak



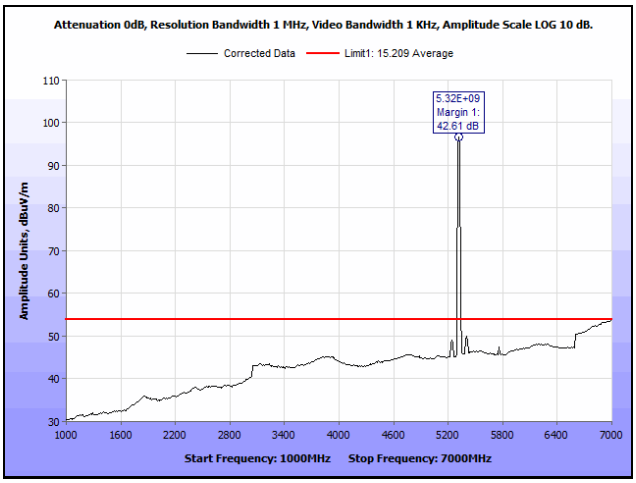
Plot 809. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 2SS, 30 MHz – 1 GHz



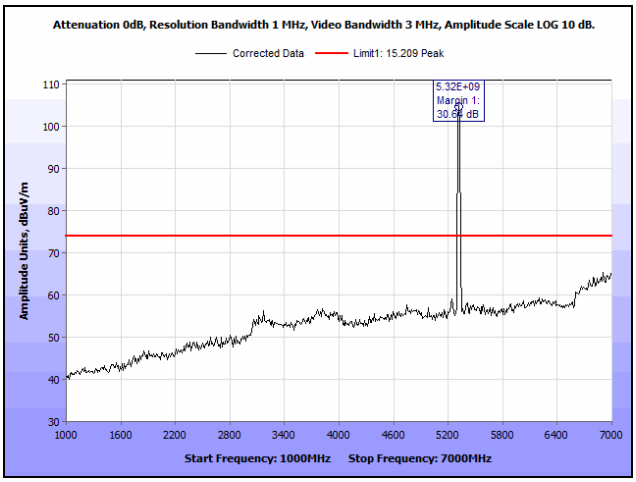
Plot 810. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 2SS, 1 GHz – 7 GHz, Average



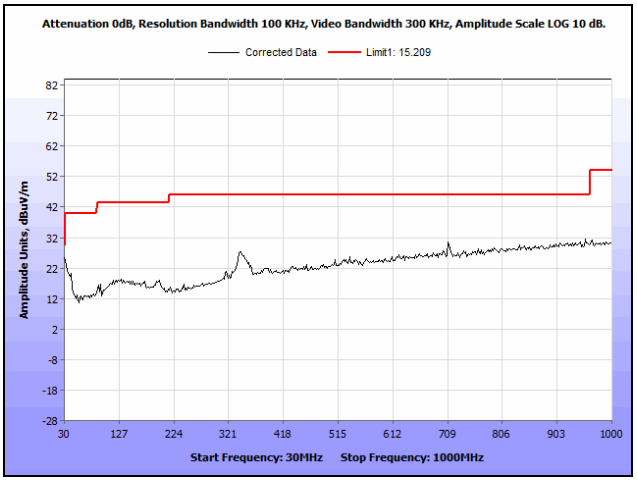
Plot 811. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 2SS, 1 GHz – 7 GHz, Peak



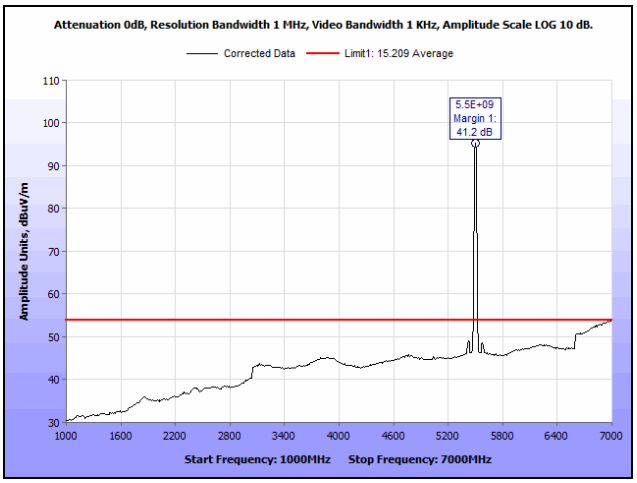
Plot 812. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 2SS, 7 GHz – 18 GHz, Average



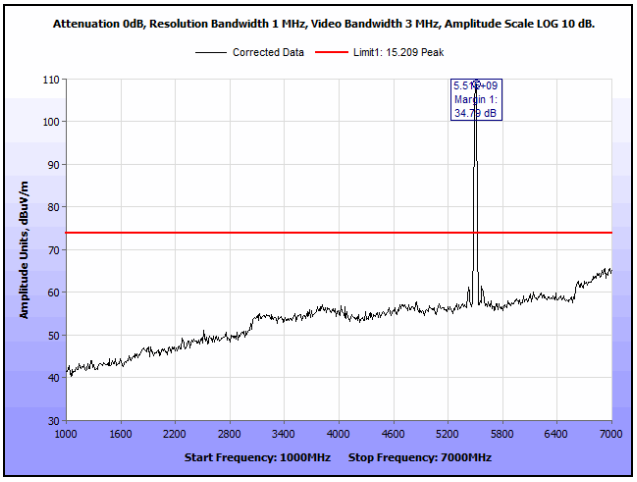
Plot 813. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 2SS, 7 GHz – 18 GHz, Peak



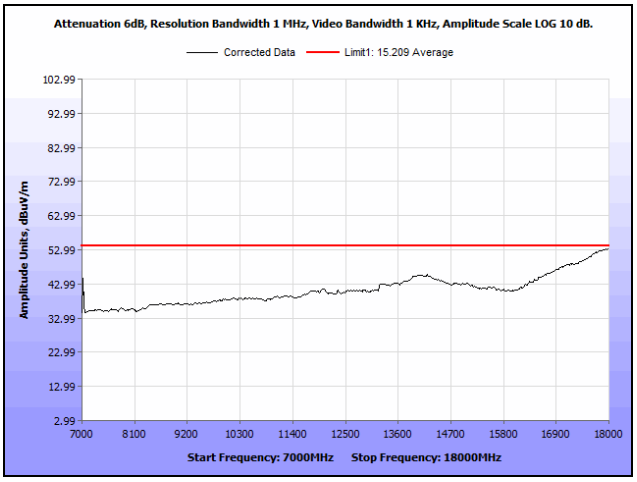
Plot 814. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 2SS, 30 MHz – 1 GHz



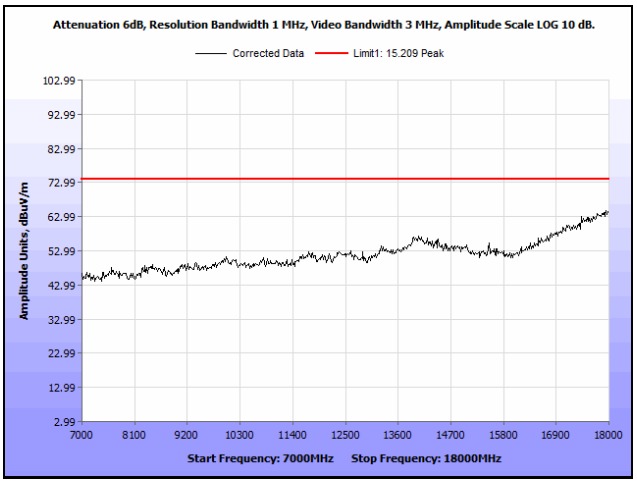
Plot 815. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 2SS, 1 GHz – 7 GHz, Average



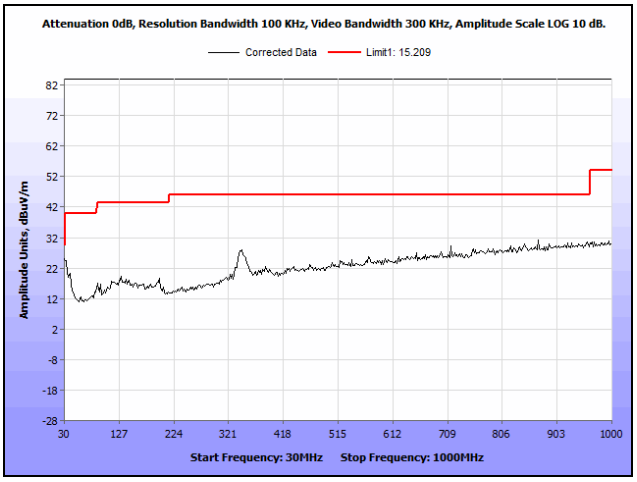
Plot 816. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 2SS, 1 GHz – 7 GHz, Peak



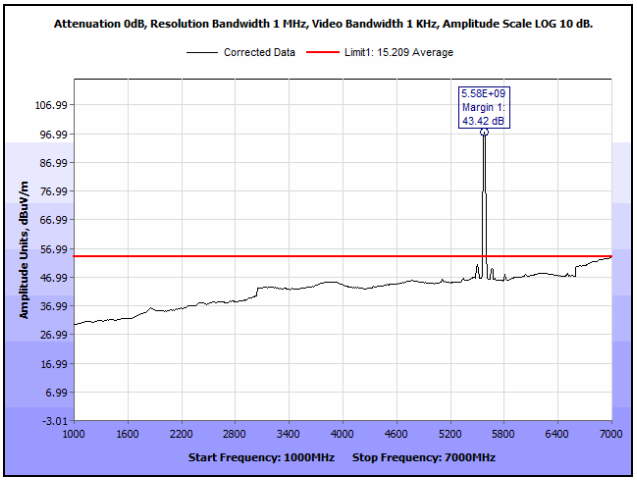
Plot 817. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 2SS, 7 GHz – 18 GHz, Average



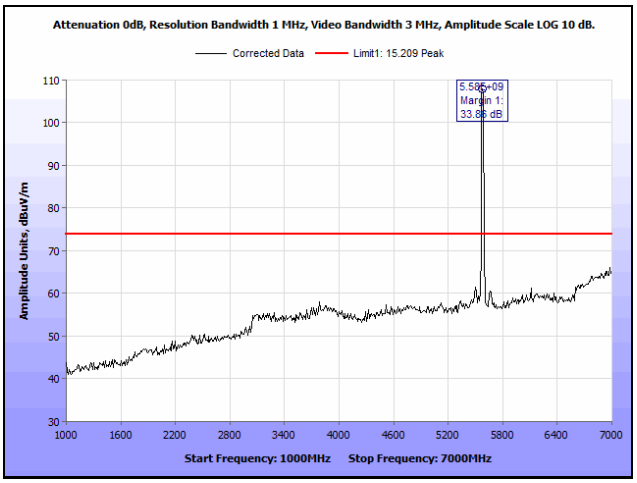
Plot 818. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 2SS, 7 GHz – 18 GHz, Peak



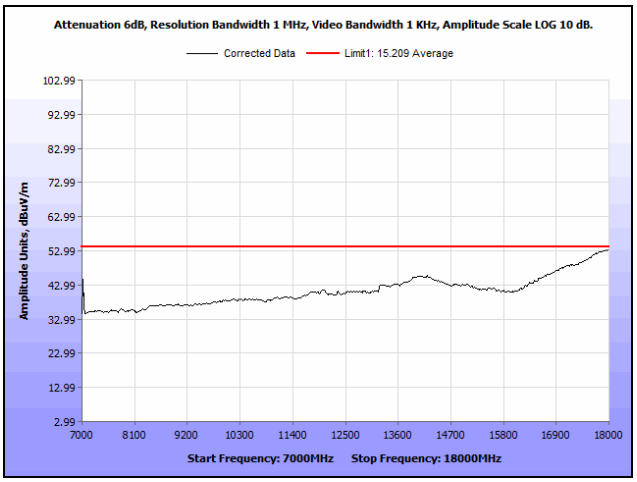
Plot 819. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 2SS, 30 MHz – 1 GHz



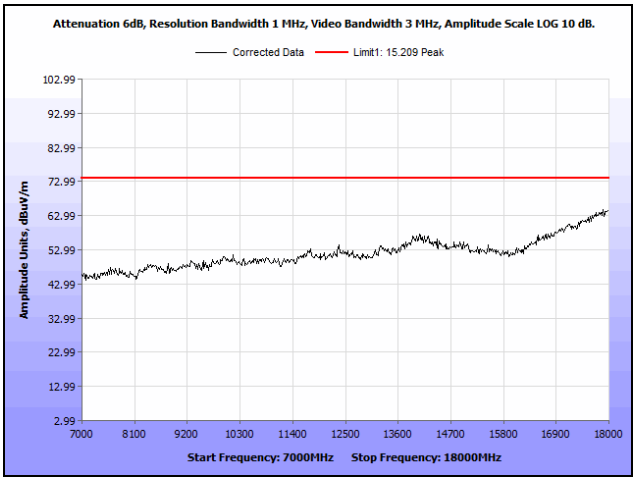
Plot 820. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 2SS, 1 GHz – 7 GHz, Average



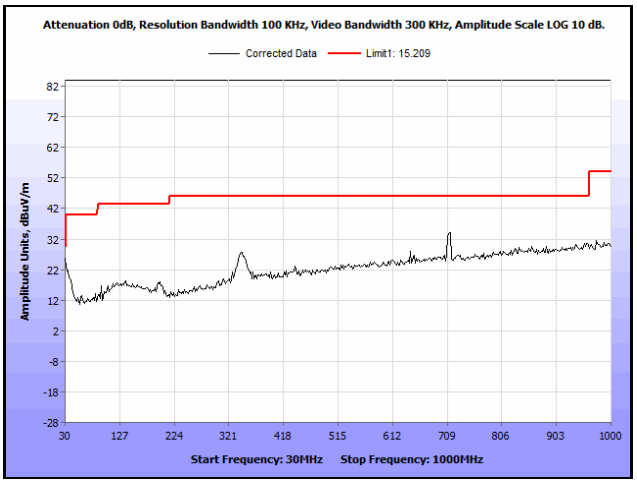
Plot 821. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 2SS, 1 GHz – 7 GHz, Peak



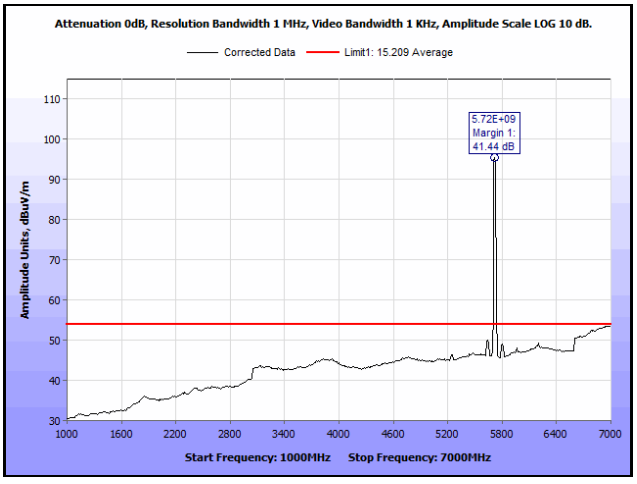
Plot 822. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 2SS, 7 GHz – 18 GHz, Average



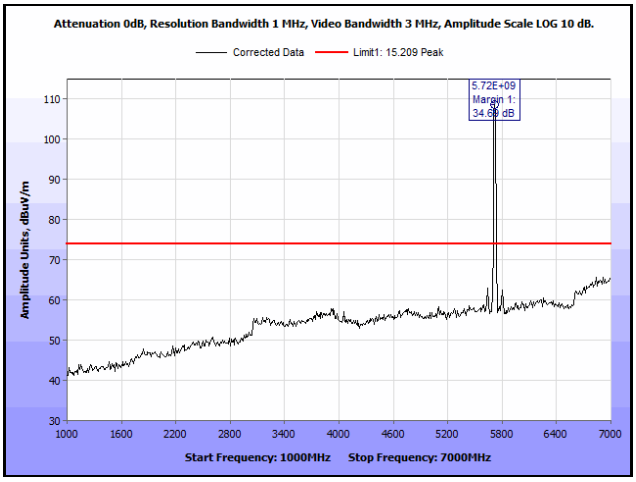
Plot 823. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 2SS, 7 GHz – 18 GHz, Peak



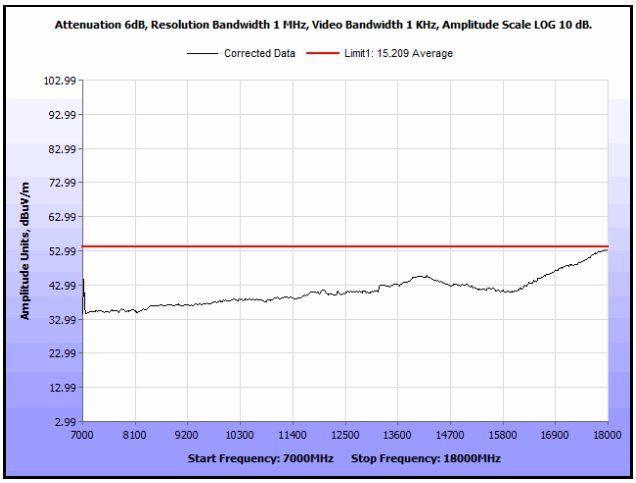
Plot 824. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 2SS, 30 MHz – 1 GHz



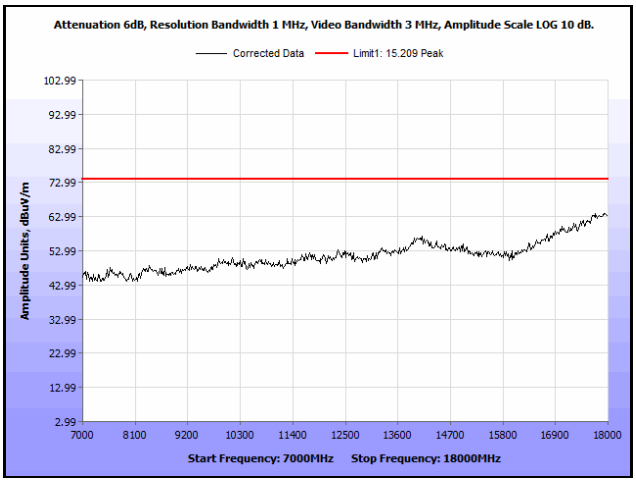
Plot 825. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 2SS, 1 GHz – 7 GHz, Average



Plot 826. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 2SS, 1 GHz – 7 GHz, Peak

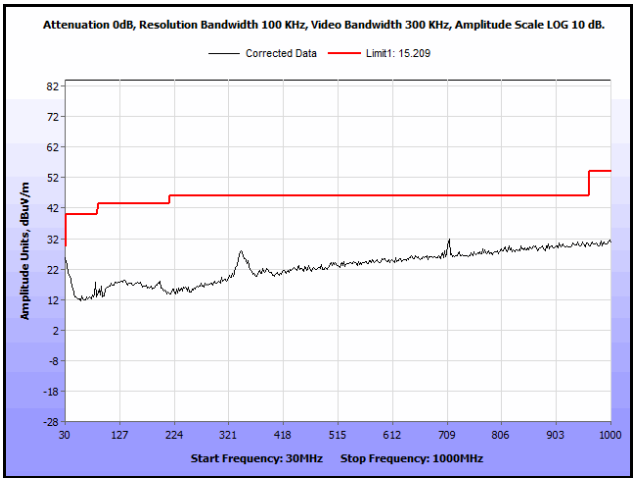


Plot 827. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 2SS, 7 GHz – 18 GHz, Average

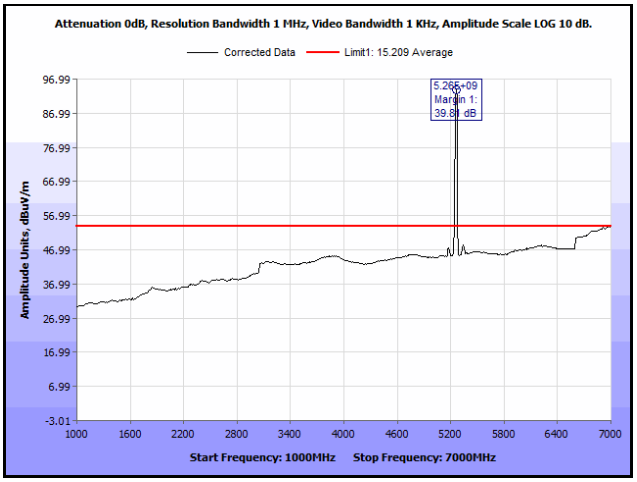


Plot 828. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 2SS, 7 GHz – 18 GHz, Peak

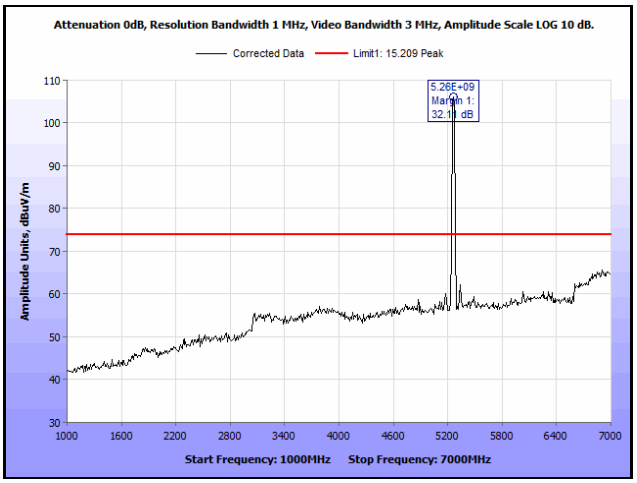
Radiated Spurious Emissions, 802.11n 20 MHz, 3SS



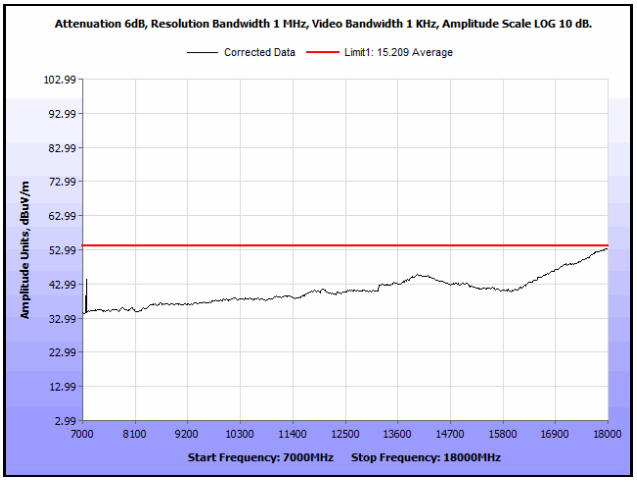
Plot 829. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 3SS, 30 MHz – 1 GHz



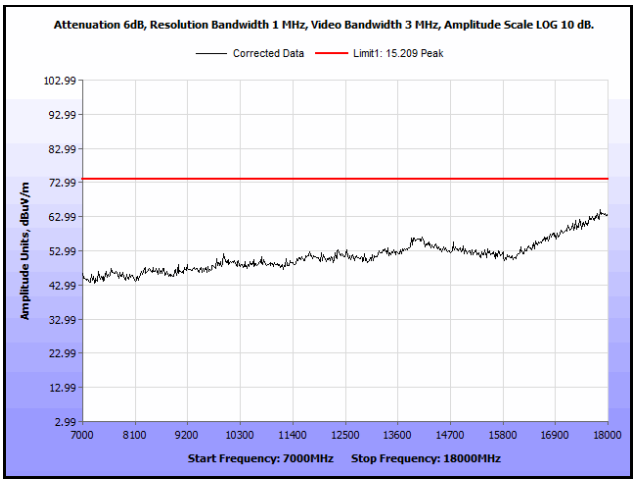
Plot 830. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 3SS, 1 GHz – 7 GHz, Average



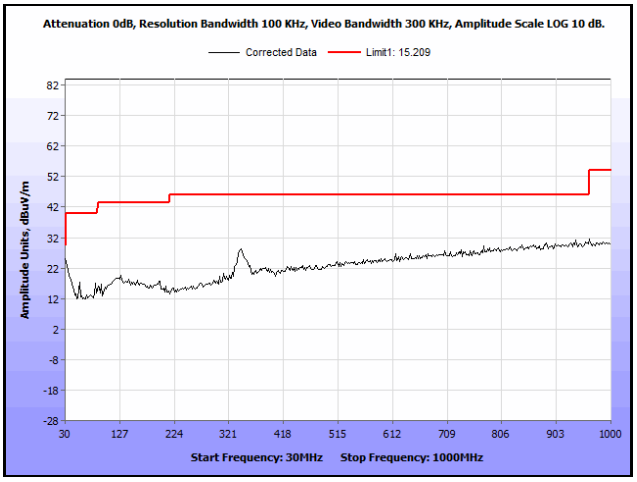
Plot 831. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 3SS, 1 GHz – 7 GHz, Peak



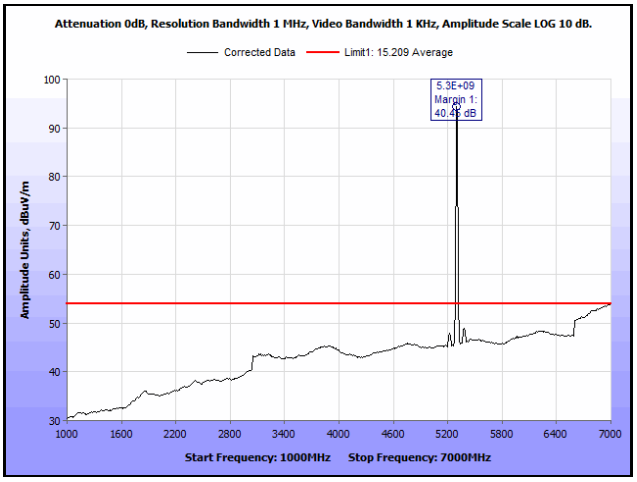
Plot 832. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 3SS, 7 GHz – 18 GHz, Average



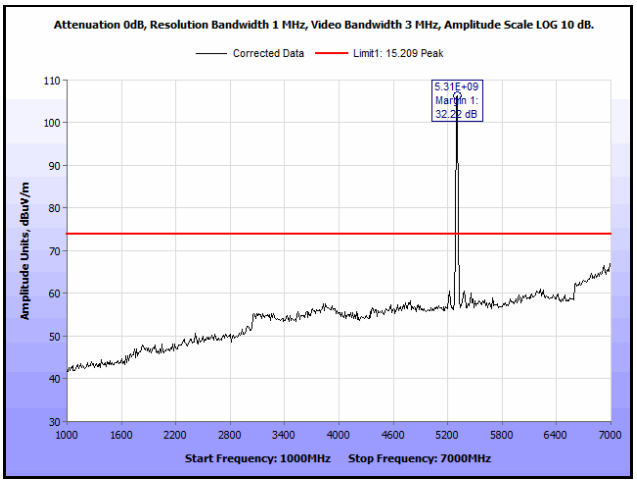
Plot 833. Radiated Spurious Emissions, 802.11n 20 MH, Channel 52, 3SS, 7 GHz – 18 GHz, Peak



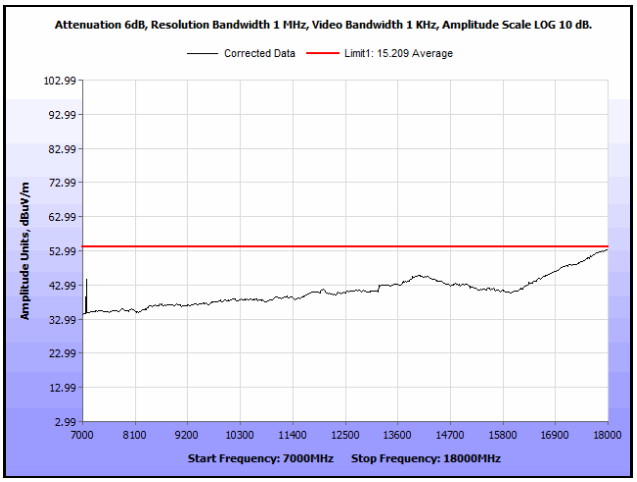
Plot 834. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 3SS, 30 MHz – 1 GHz



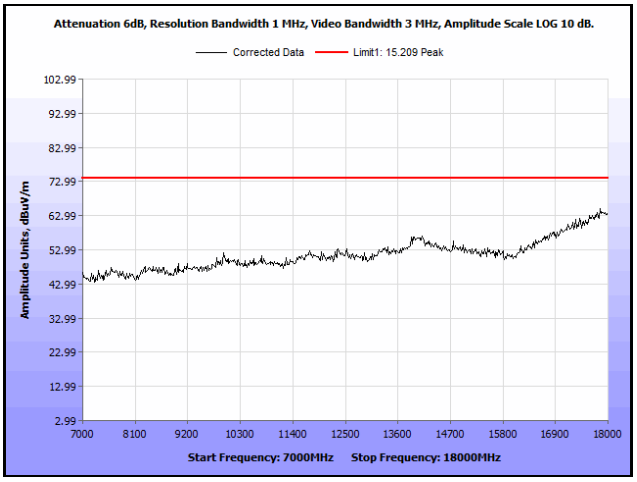
Plot 835. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 3SS, 1 GHz – 7 GHz, Average



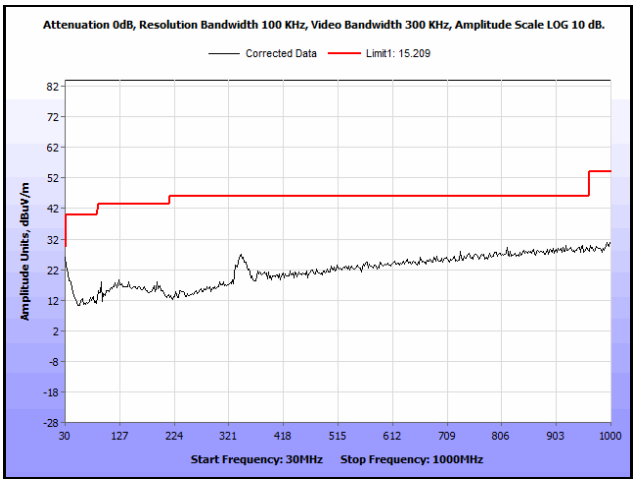
Plot 836. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 3SS, 1 GHz – 7 GHz, Peak



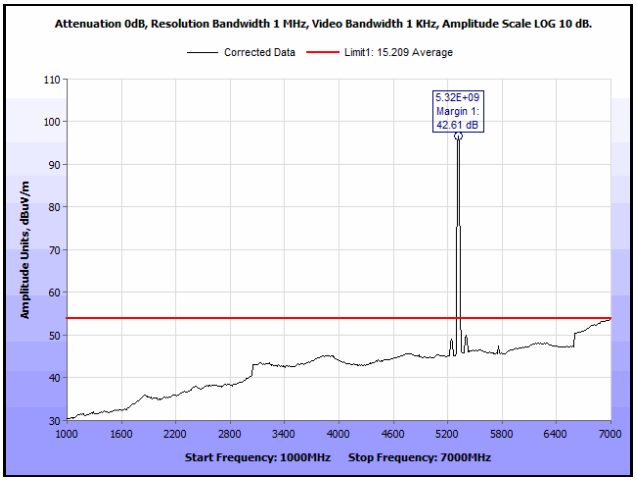
Plot 837. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 3SS, 7 GHz – 18 GHz, Average



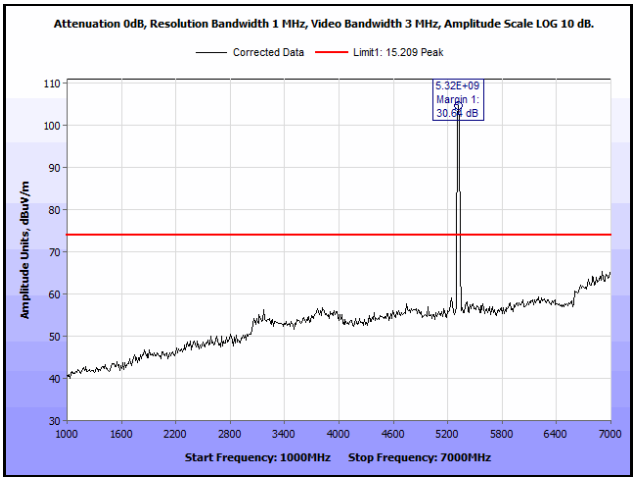
Plot 838. Radiated Spurious Emissions, 802.11n 20 MH, Channel 60, 3SS, 7 GHz – 18 GHz, Peak



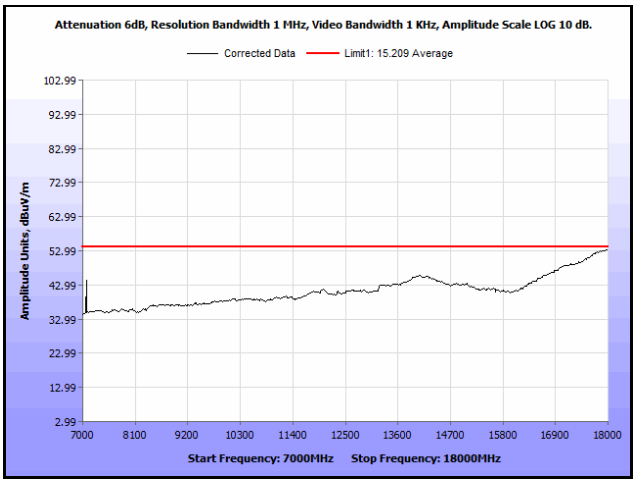
Plot 839. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 3SS, 30 MHz – 1 GHz



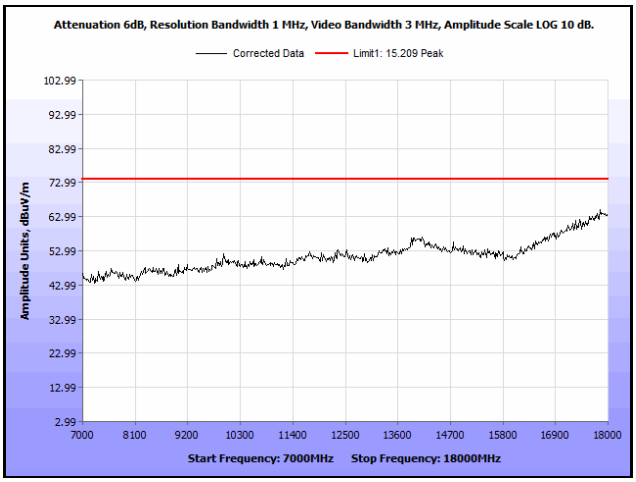
Plot 840. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 3SS, 1 GHz – 7 GHz, Average



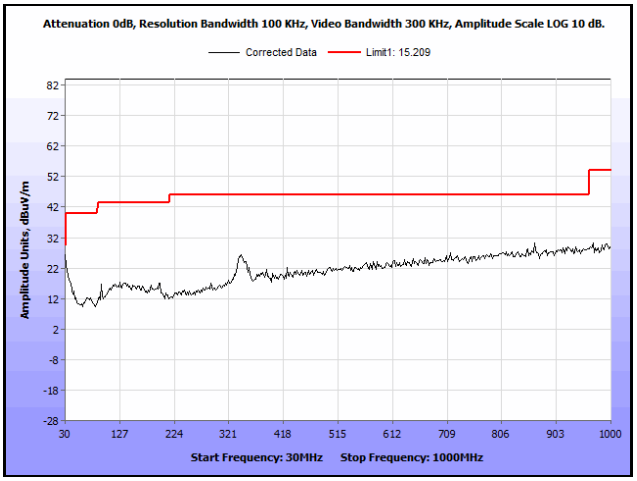
Plot 841. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 3SS, 1 GHz – 7 GHz, Peak



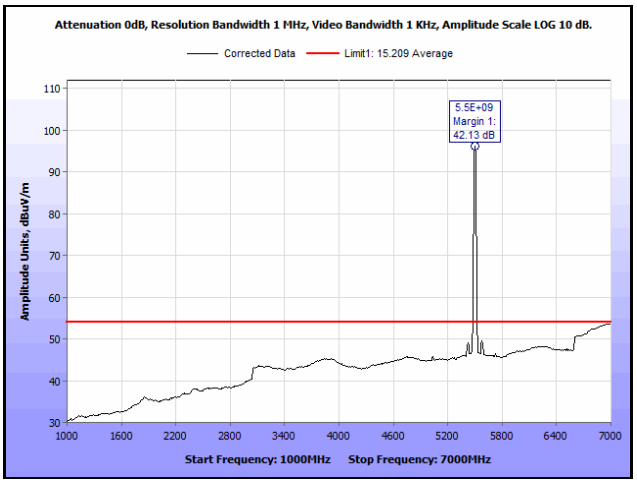
Plot 842. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 3SS, 7 GHz – 18 GHz, Average



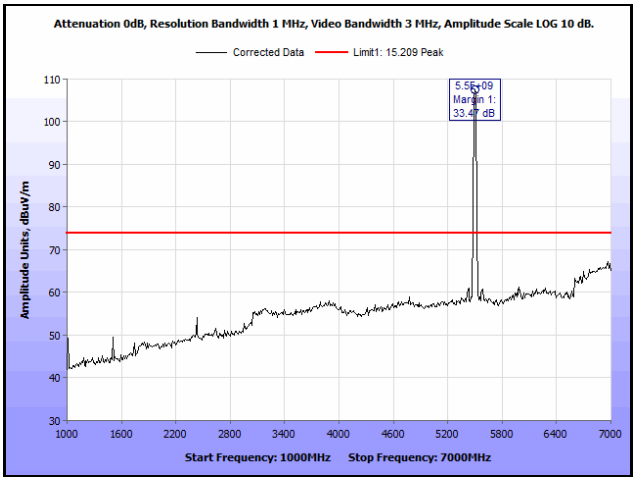
Plot 843. Radiated Spurious Emissions, 802.11n 20 MH, Channel 64, 3SS, 7 GHz – 18 GHz, Peak



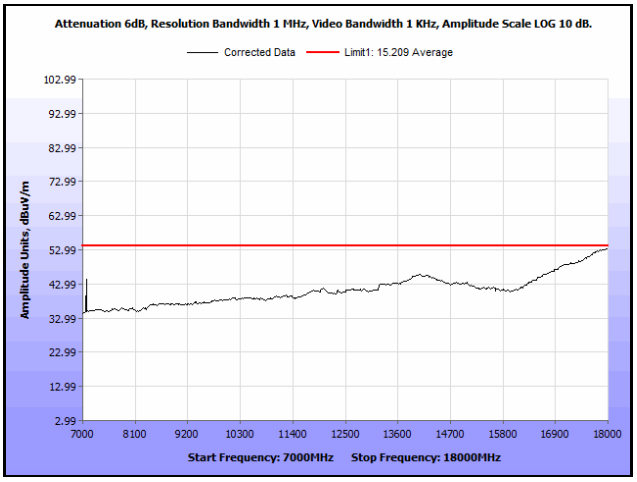
Plot 844. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 3SS, 30 MHz – 1 GHz



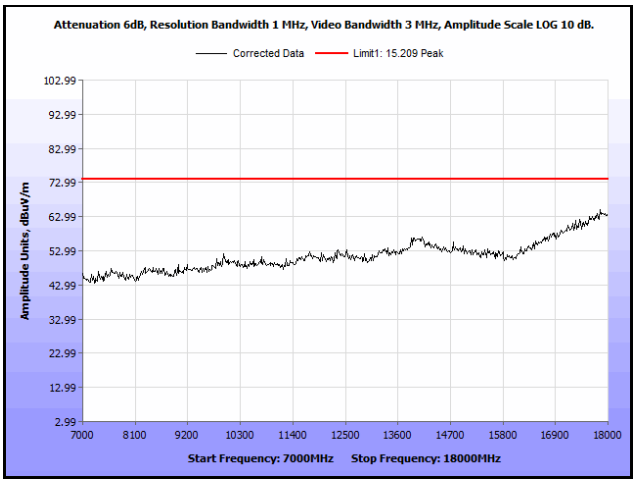
Plot 845. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 3SS, 1 GHz – 7 GHz, Average



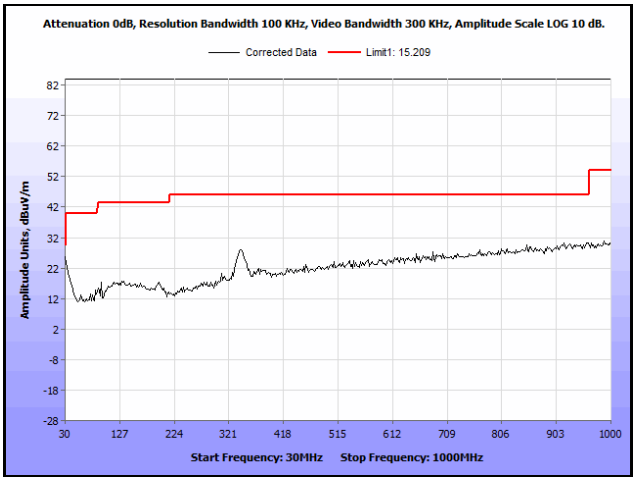
Plot 846. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 3SS, 1 GHz – 7 GHz, Peak



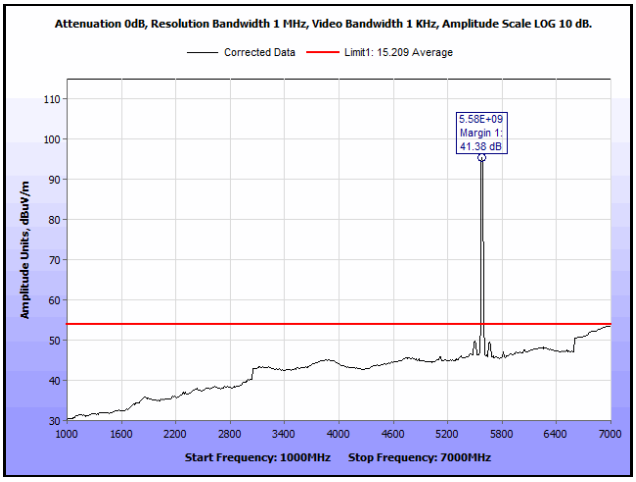
Plot 847. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 3SS, 7 GHz – 18 GHz, Average



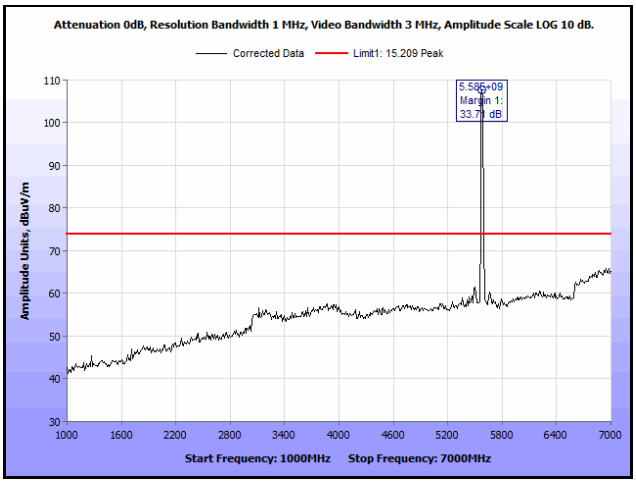
Plot 848. Radiated Spurious Emissions, 802.11n 20 MH, Channel 100, 3SS, 7 GHz – 18 GHz, Peak



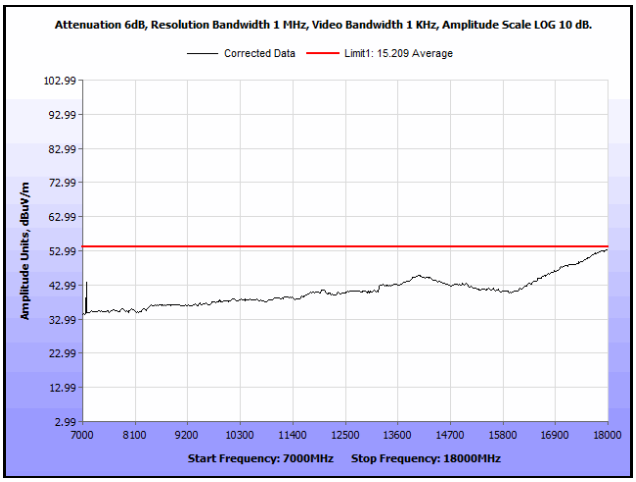
Plot 849. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 3SS, 30 MHz – 1 GHz



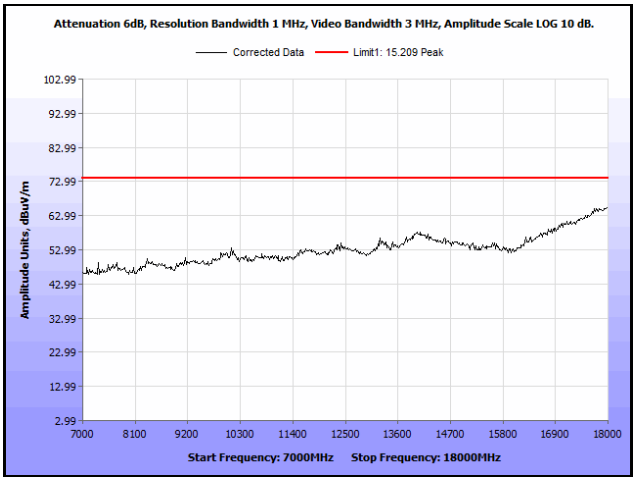
Plot 850. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 3SS, 1 GHz – 7 GHz, Average



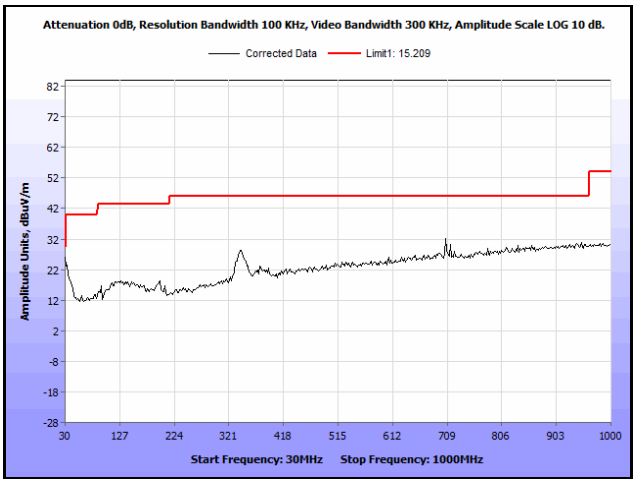
Plot 851. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 3SS, 1 GHz – 7 GHz, Peak



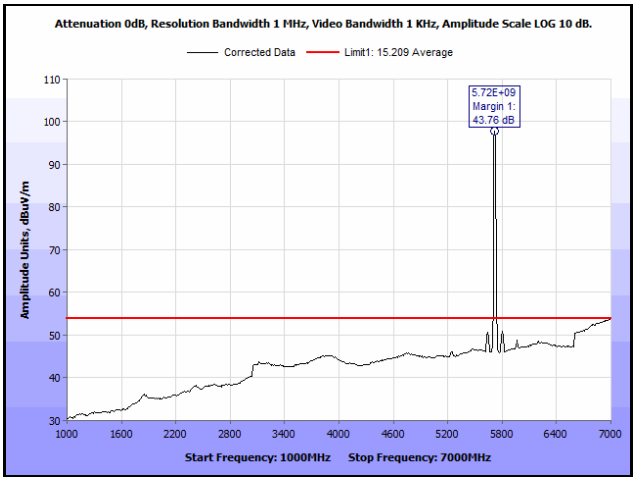
Plot 852. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 3SS, 7 GHz – 18 GHz, Average



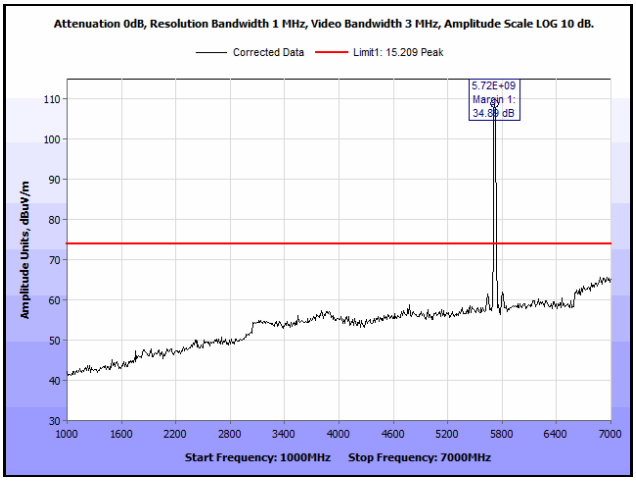
Plot 853. Radiated Spurious Emissions, 802.11n 20 MH, Channel 116, 3SS, 7 GHz – 18 GHz, Peak



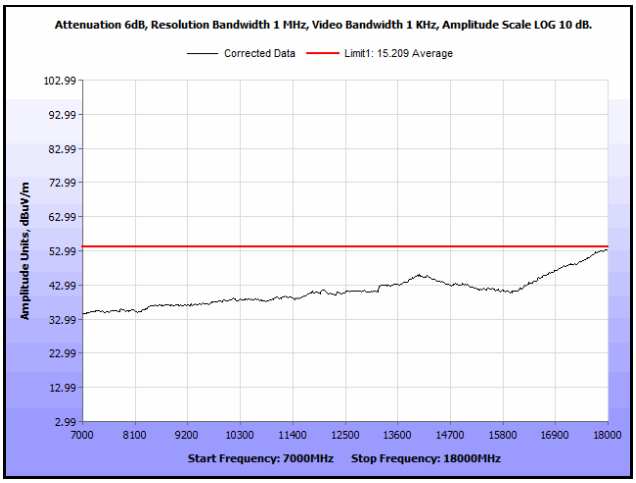
Plot 854. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 3SS, 30 MHz – 1 GHz



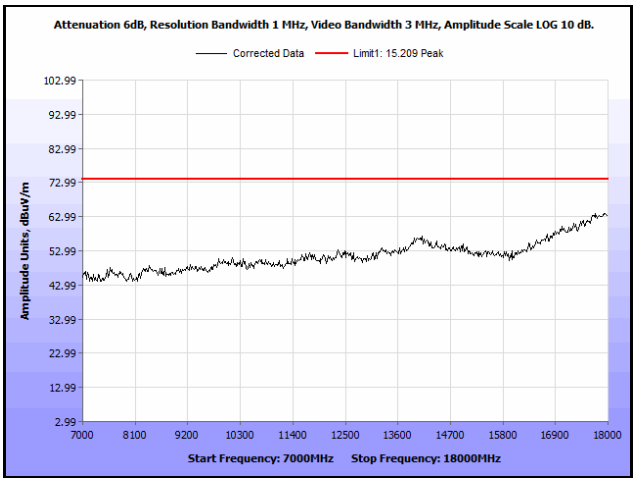
Plot 855. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 3SS, 1 GHz – 7 GHz, Average



Plot 856. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 3SS, 1 GHz – 7 GHz, Peak

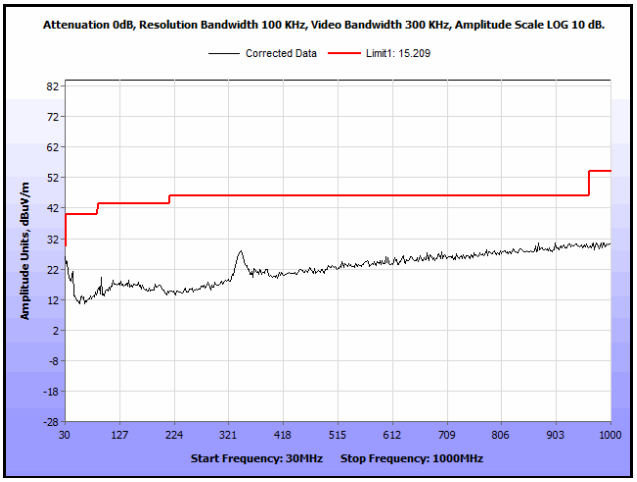


Plot 857. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 3SS, 7 GHz – 18 GHz, Average

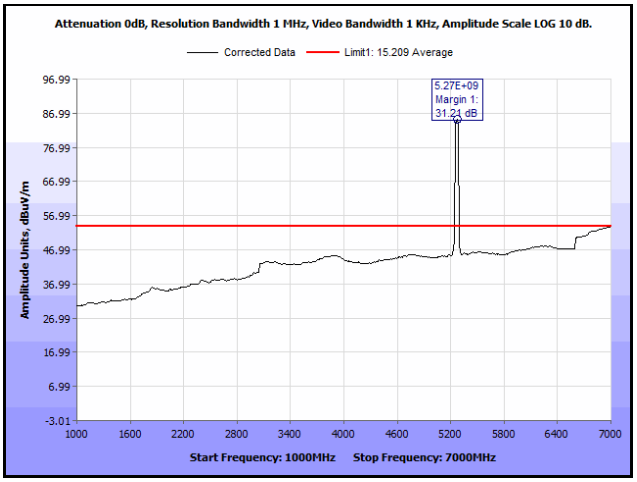


Plot 858. Radiated Spurious Emissions, 802.11n 20 MH, Channel 144, 3SS, 7 GHz – 18 GHz, Peak

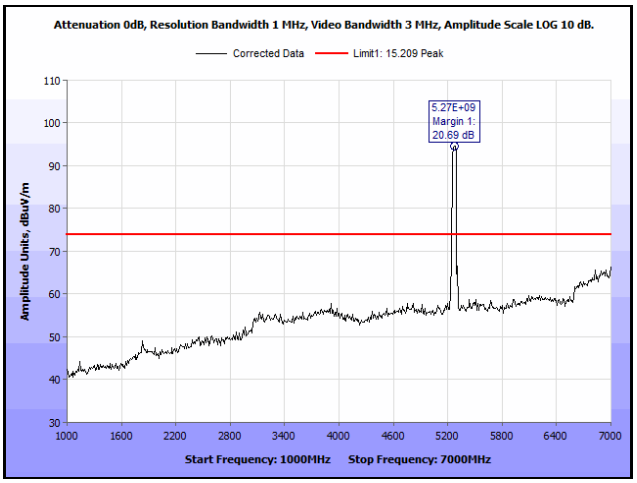
Radiated Spurious Emissions, 802.11n 40 MHz, 1SS



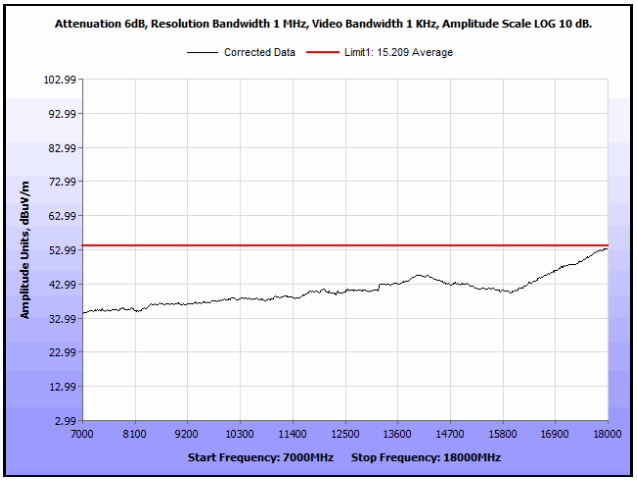
Plot 859. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 1SS, 30 MHz – 1 GHz



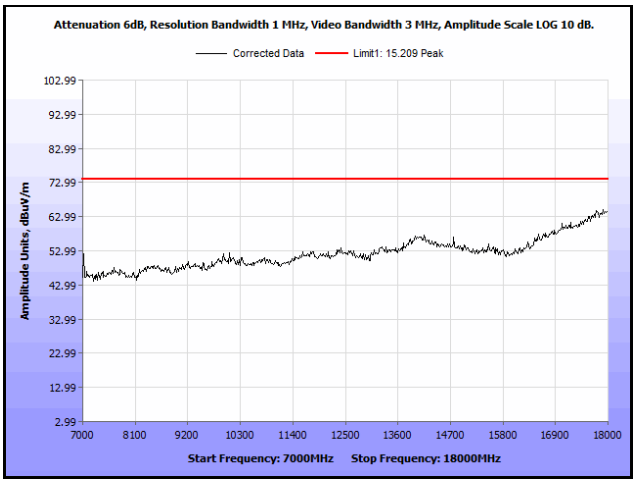
Plot 860. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 1SS, 1 GHz – 7 GHz, Average



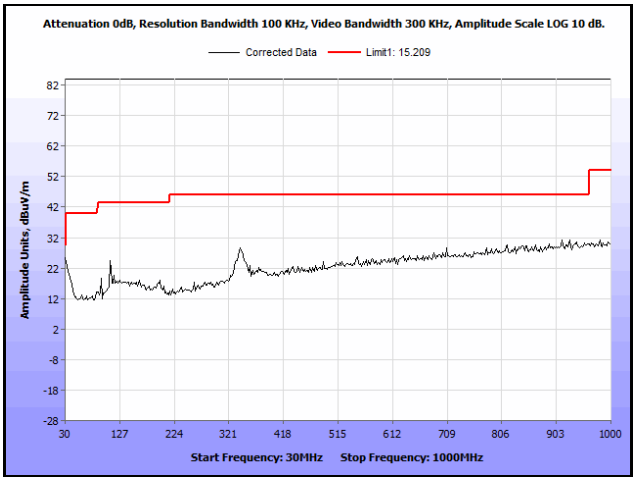
Plot 861. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 1SS, 1 GHz – 7 GHz, Peak



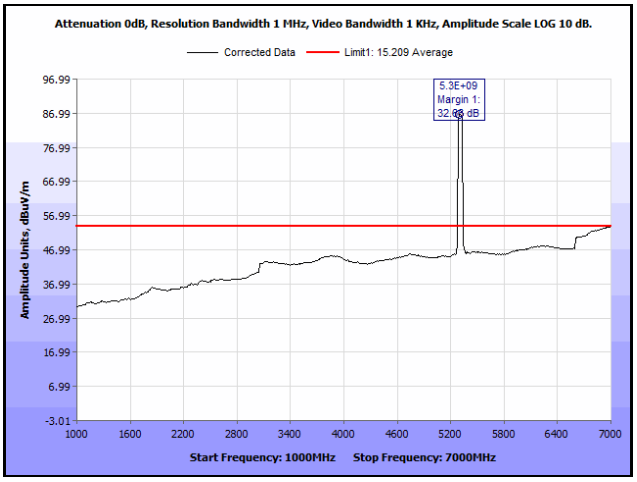
Plot 862. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 1SS, 7 GHz – 18 GHz, Average



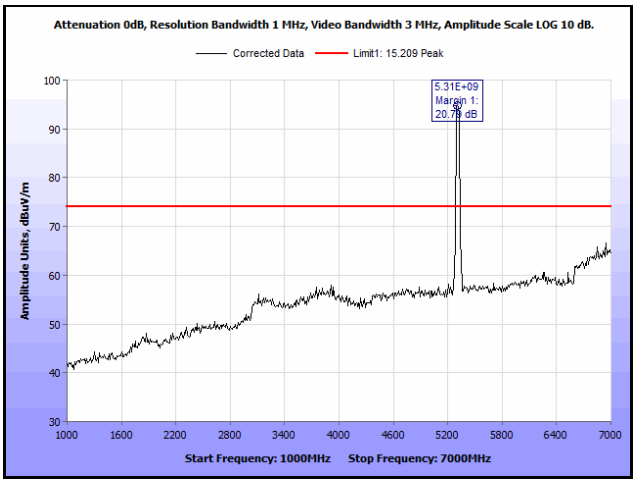
Plot 863. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 1SS, 7 GHz – 18 GHz, Peak



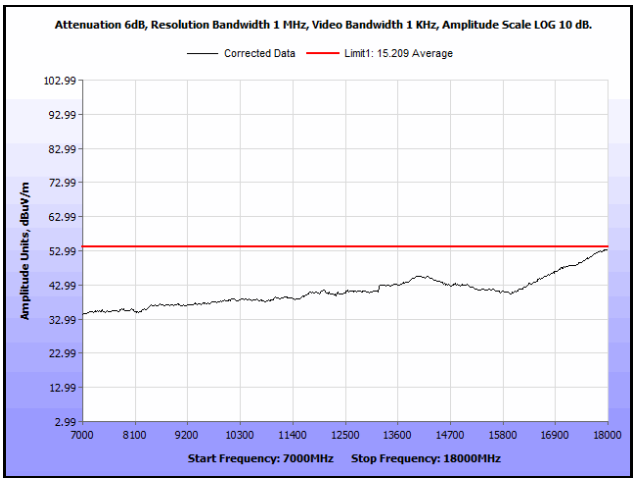
Plot 864. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 1SS, 30 MHz – 1 GHz



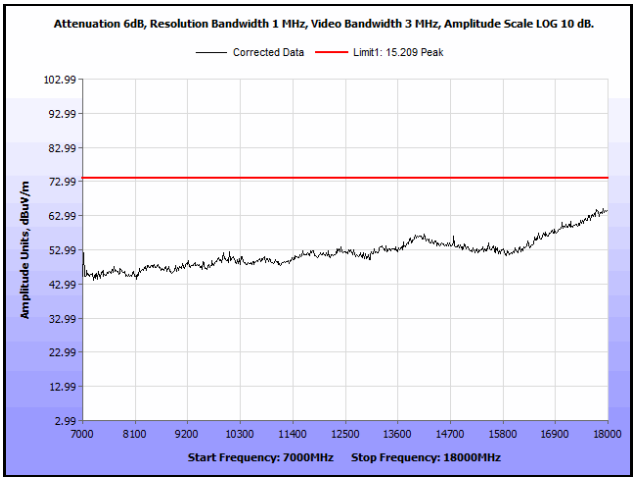
Plot 865. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 1SS, 1 GHz – 7 GHz, Average



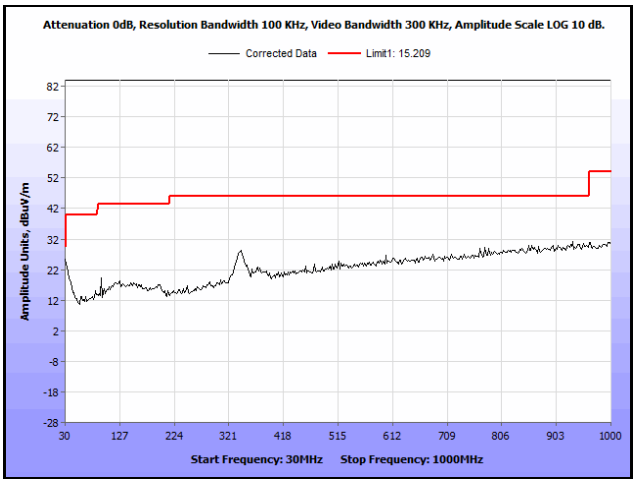
Plot 866. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 1SS, 1 GHz – 7 GHz, Peak



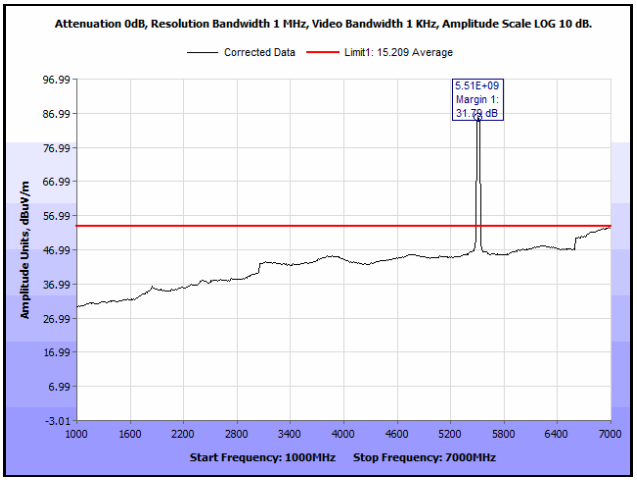
Plot 867. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 1SS, 7 GHz – 18 GHz, Average



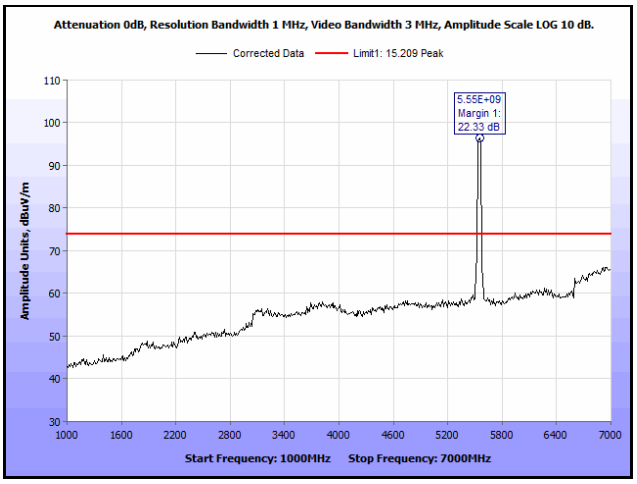
Plot 868. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 1SS, 7 GHz – 18 GHz, Peak



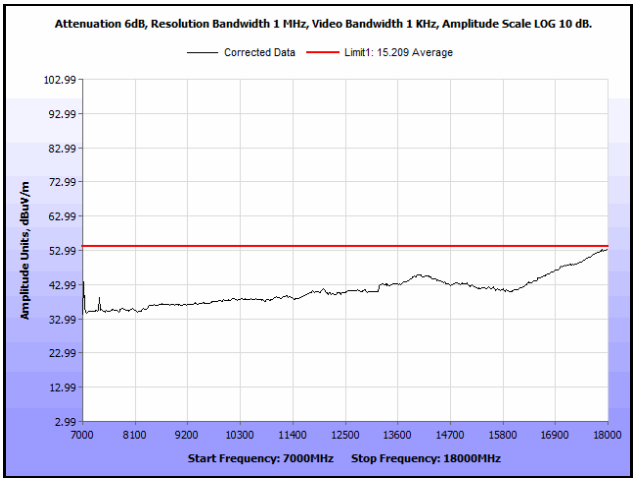
Plot 869. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 1SS, 30 MHz – 1 GHz



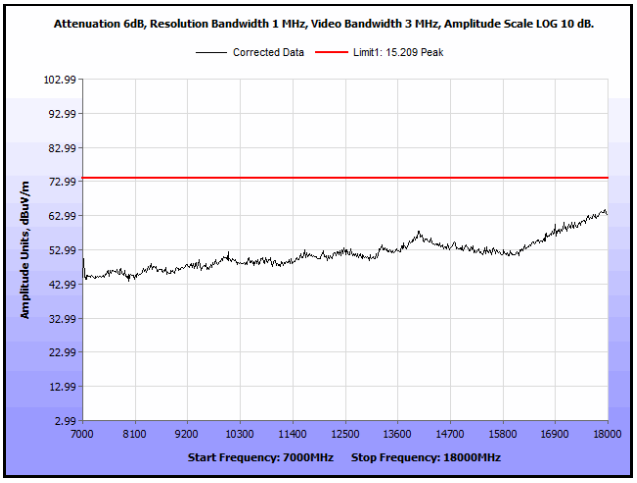
Plot 870. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 1SS, 1 GHz – 7 GHz, Average



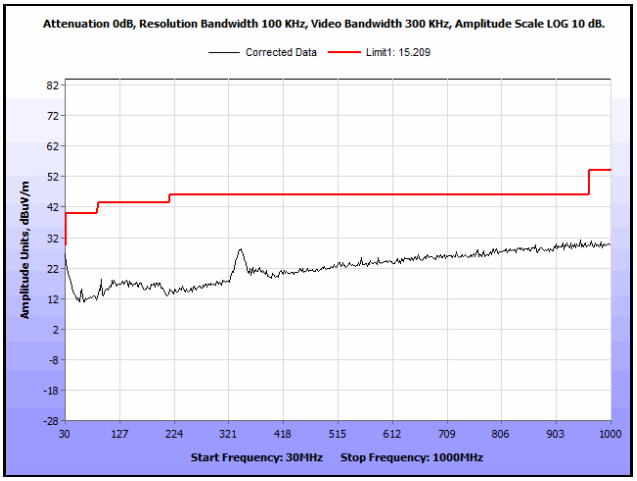
Plot 871. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 1SS, 1 GHz – 7 GHz, Peak



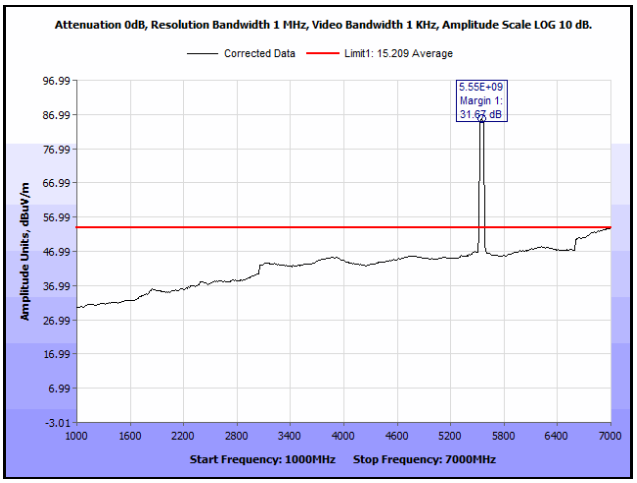
Plot 872. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 1SS, 7 GHz – 18 GHz, Average



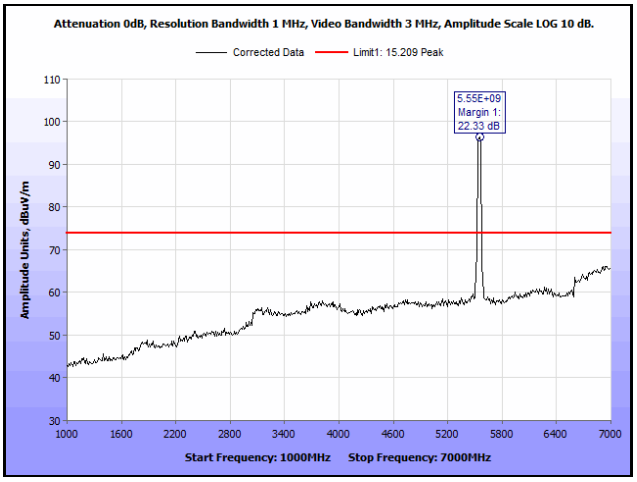
Plot 873. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 1SS, 7 GHz – 18 GHz, Peak



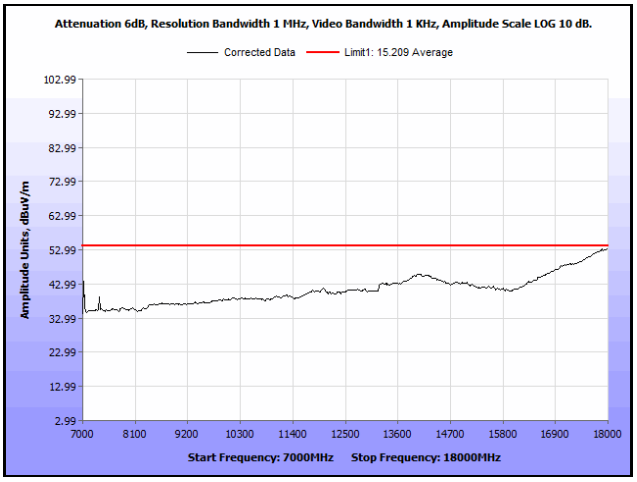
Plot 874. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 1SS, 30 MHz – 1 GHz



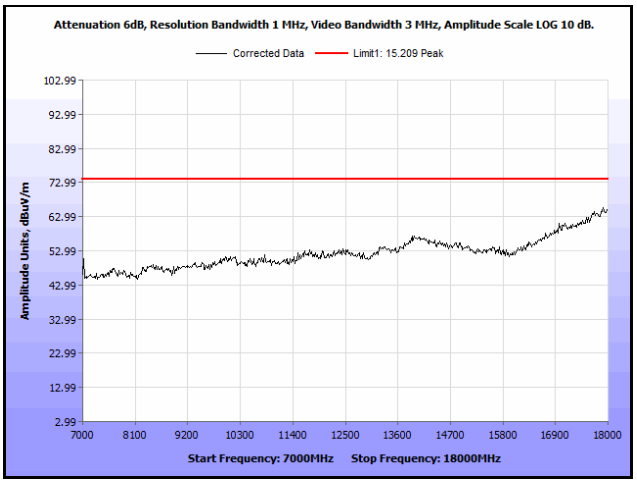
Plot 875. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 1SS, 1 GHz – 7 GHz, Average



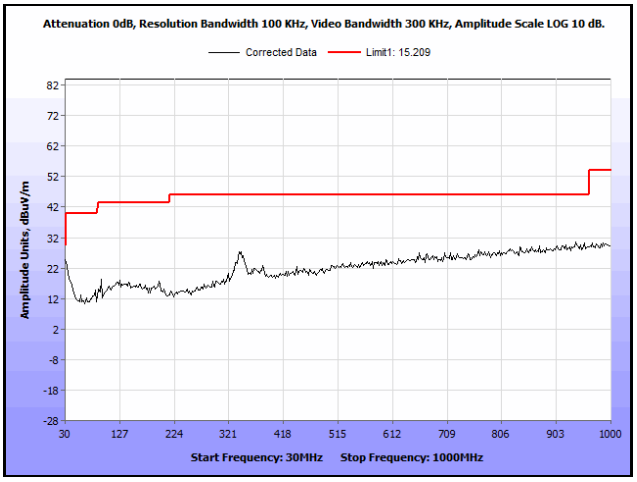
Plot 876. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 1SS, 1 GHz – 7 GHz, Peak



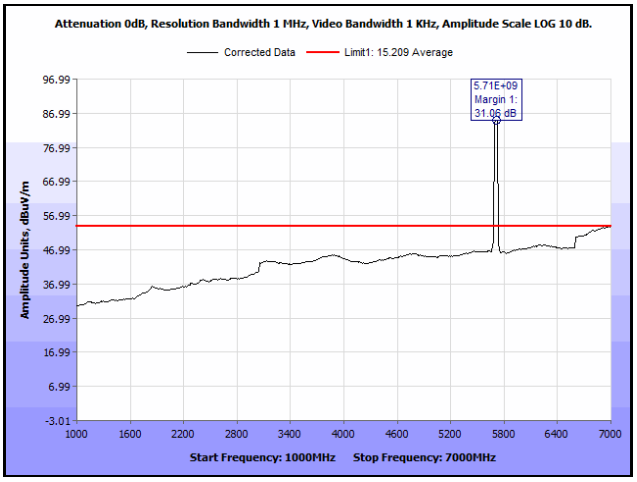
Plot 877. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 1SS, 7 GHz – 18 GHz, Average



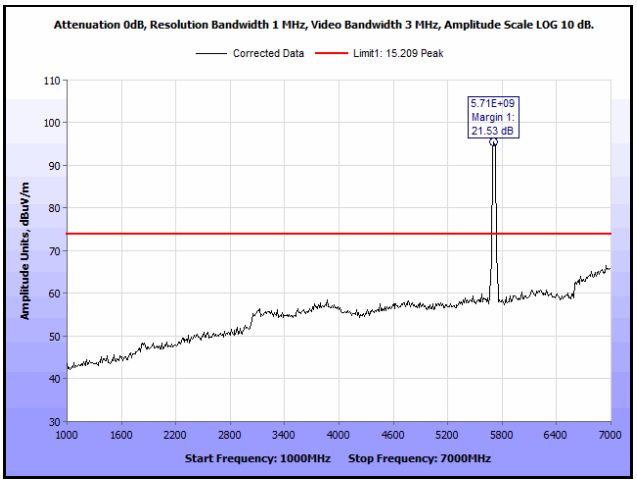
Plot 878. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 1SS, 7 GHz – 18 GHz, Peak



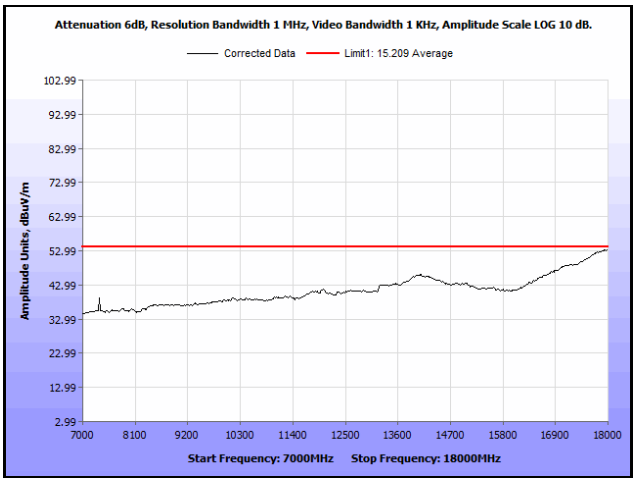
Plot 879. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 1SS, 30 MHz – 1 GHz



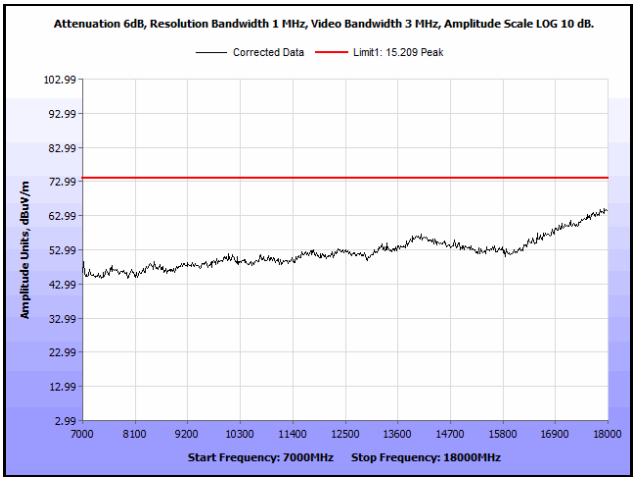
Plot 880. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 1SS, 1 GHz – 7 GHz, Average



Plot 881. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 1SS, 1 GHz – 7 GHz, Peak

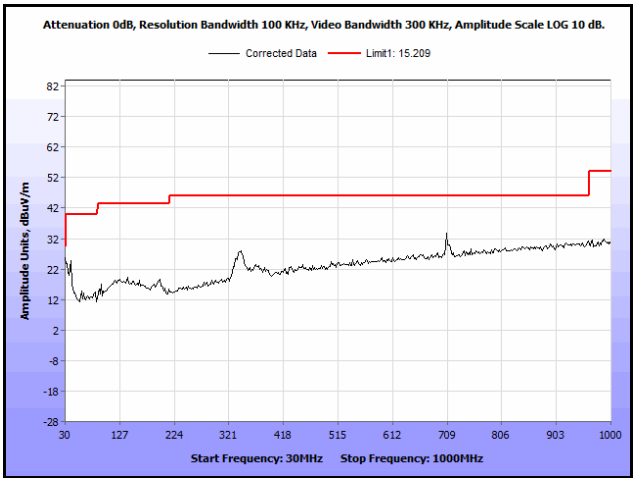


Plot 882. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 1SS, 7 GHz – 18 GHz, Average

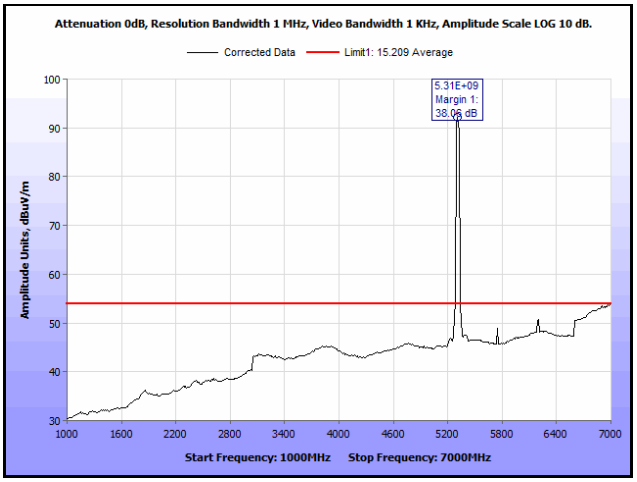


Plot 883. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 1SS, 7 GHz – 18 GHz, Peak

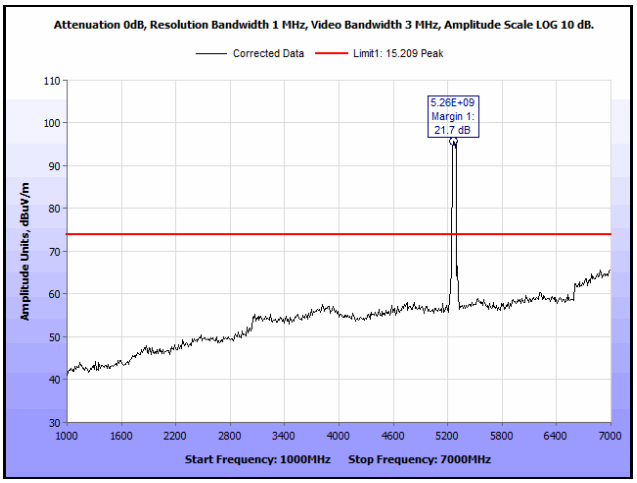
Radiated Spurious Emissions, 802.11n 40 MHz, 2SS



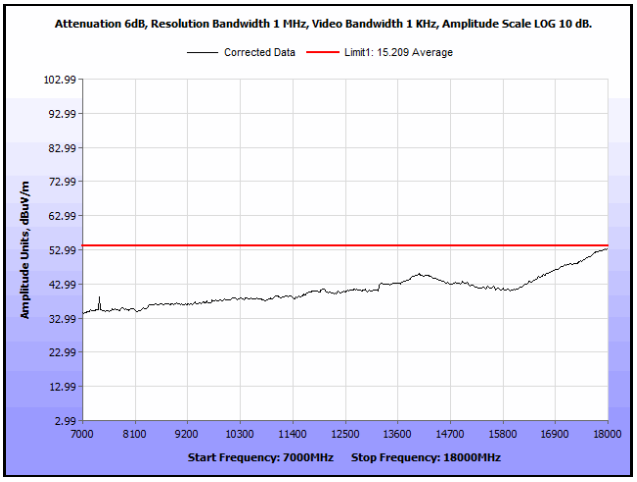
Plot 884. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 2SS, 30 MHz – 1 GHz



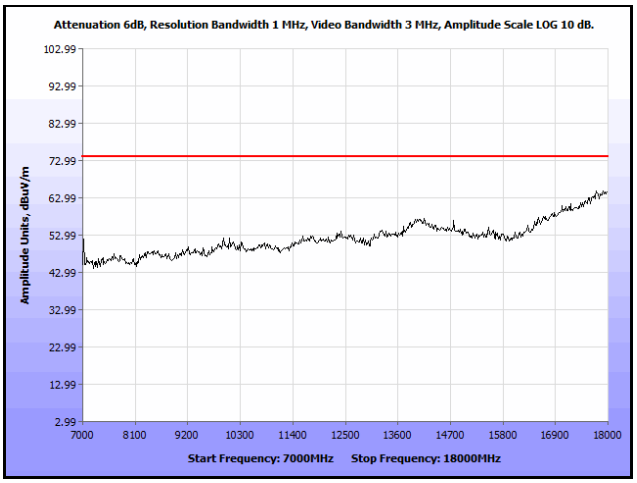
Plot 885. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 2SS, 1 GHz – 7 GHz, Average



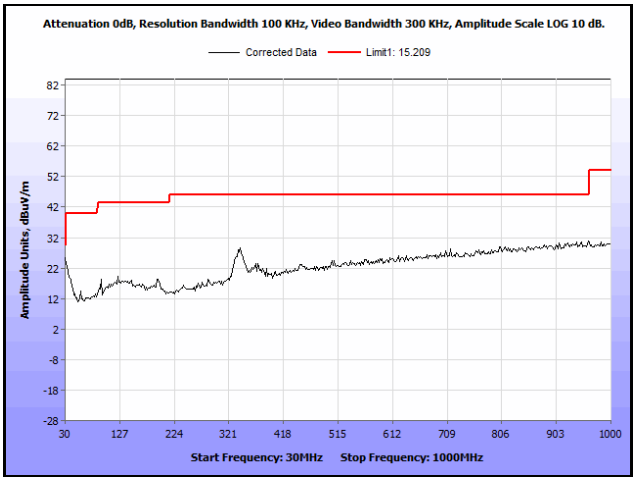
Plot 886. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 2SS, 1 GHz – 7 GHz, Peak



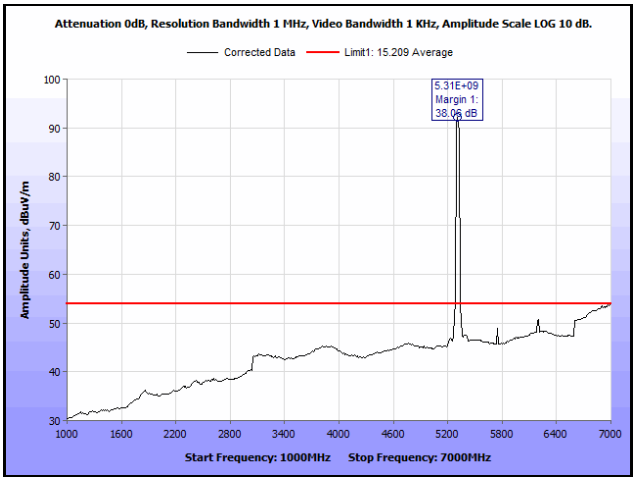
Plot 887. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 2SS, 7 GHz – 18 GHz, Average



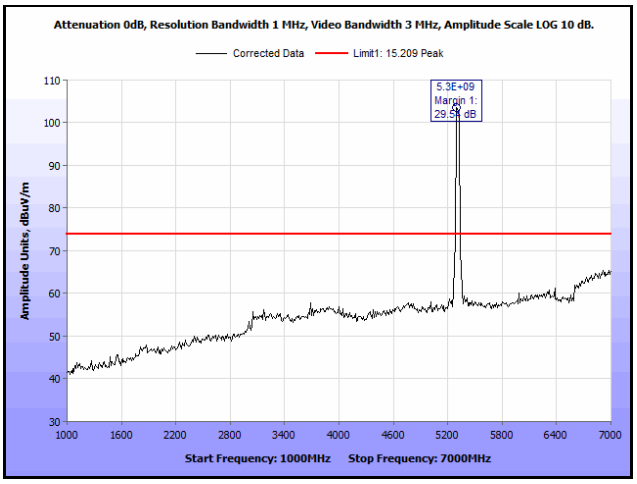
Plot 888. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 2SS, 7 GHz – 18 GHz, Peak



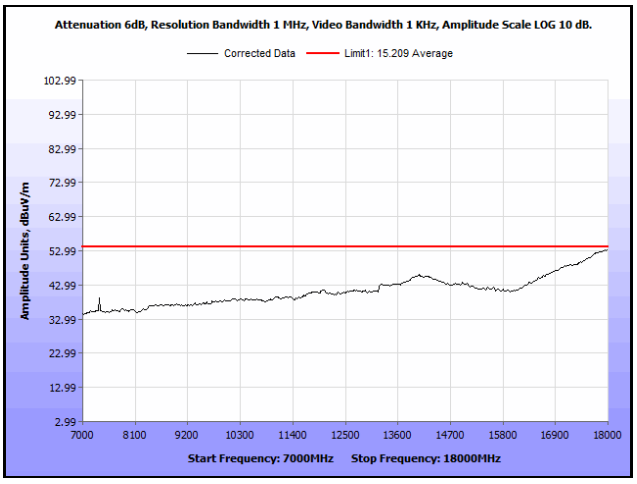
Plot 889. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 2SS, 30 MHz – 1 GHz



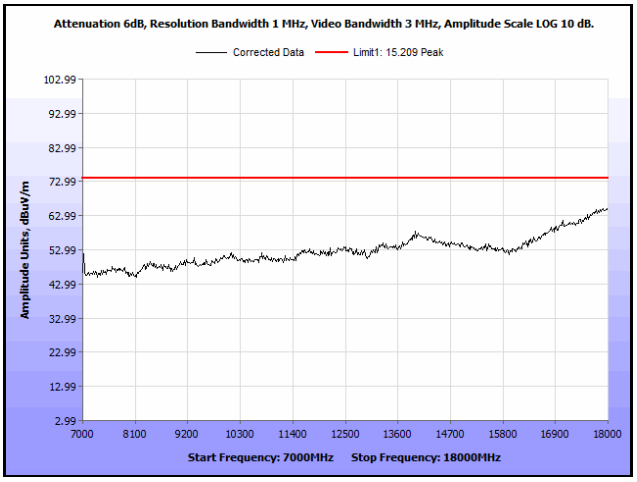
Plot 890. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 2SS, 1 GHz – 7 GHz, Average



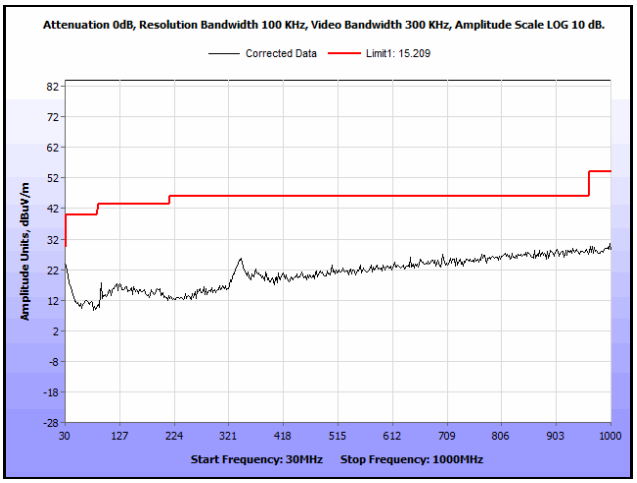
Plot 891. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 2SS, 1 GHz – 7 GHz, Peak



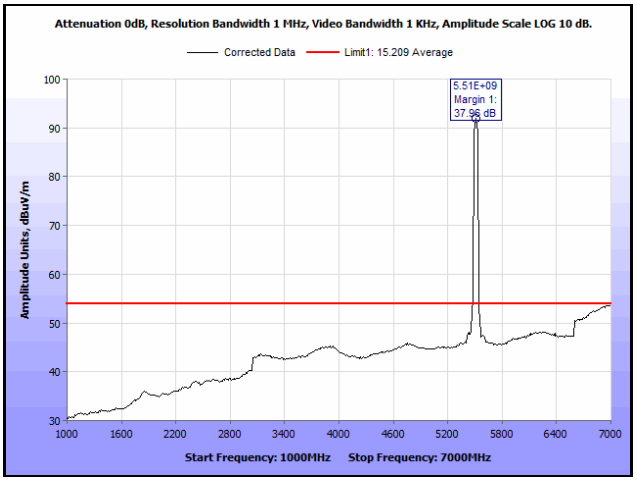
Plot 892. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 2SS, 7 GHz – 18 GHz, Average



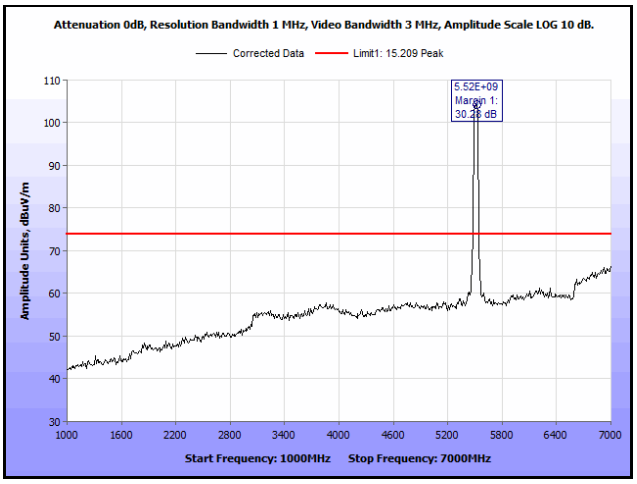
Plot 893. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 2SS, 7 GHz – 18 GHz, Peak



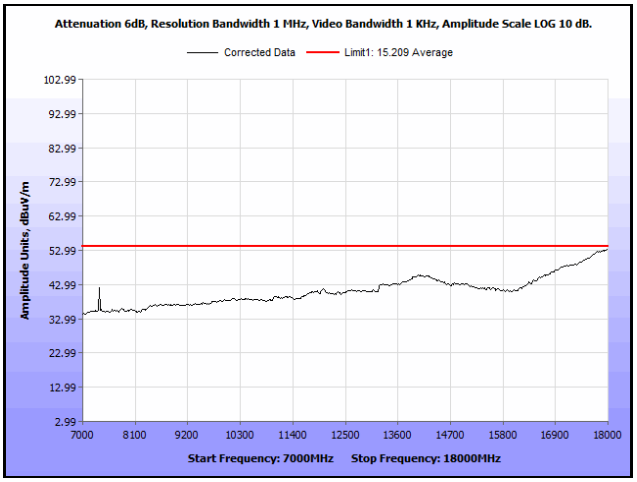
Plot 894. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 2SS, 30 MHz – 1 GHz



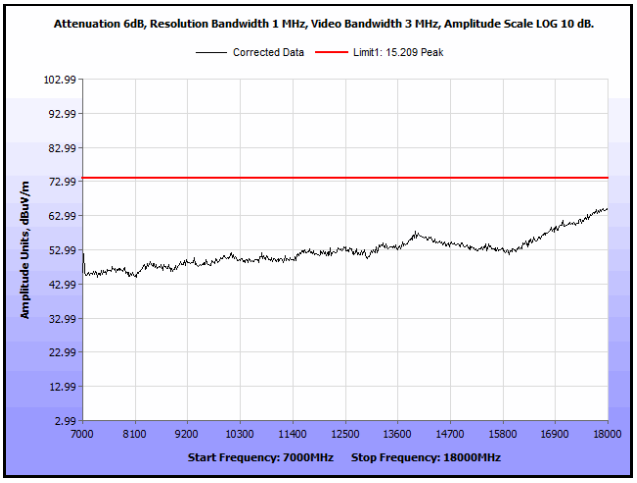
Plot 895. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 2SS, 1 GHz – 7 GHz, Average



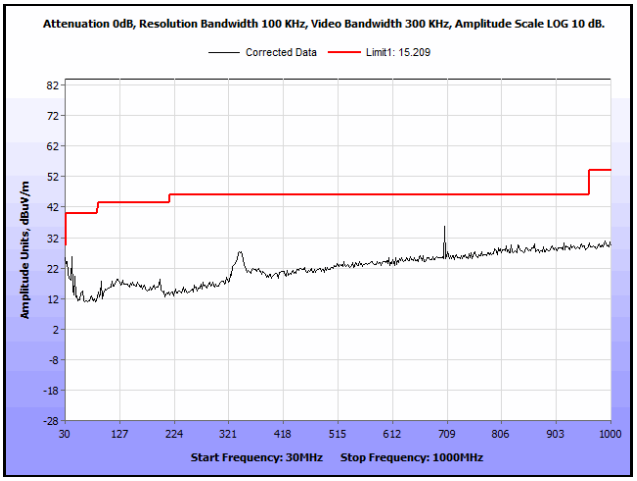
Plot 896. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 2SS, 1 GHz – 7 GHz, Peak



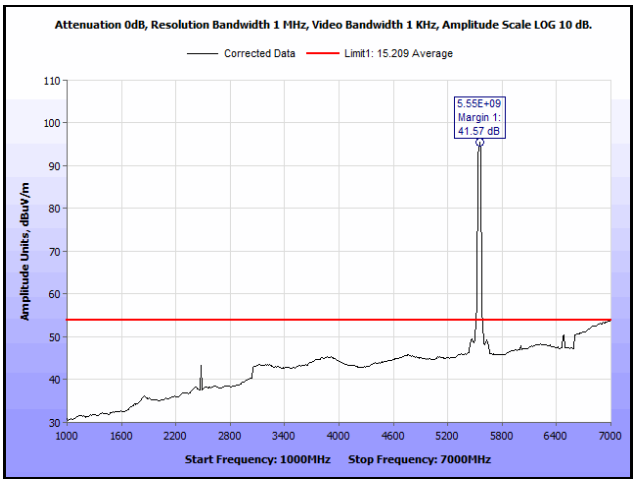
Plot 897. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 2SS, 7 GHz – 18 GHz, Average



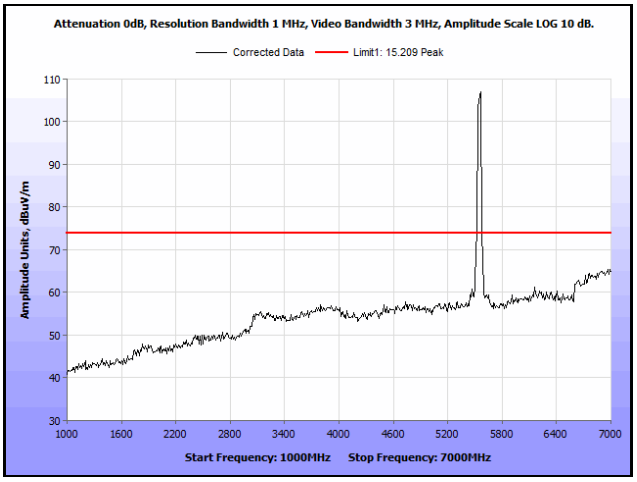
Plot 898. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 2SS, 7 GHz – 18 GHz, Peak



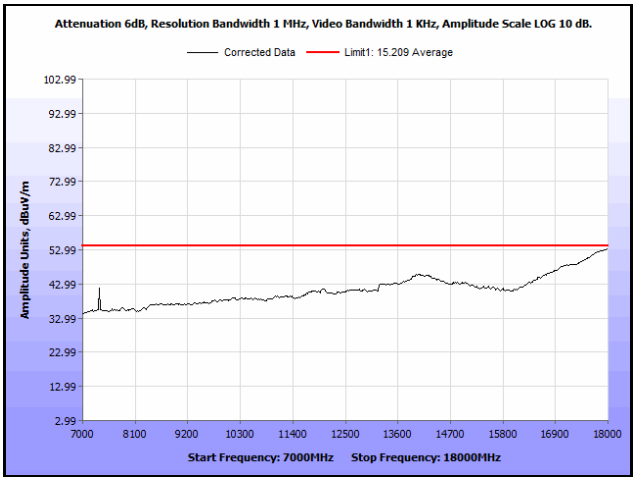
Plot 899. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 2SS, 30 MHz – 1 GHz



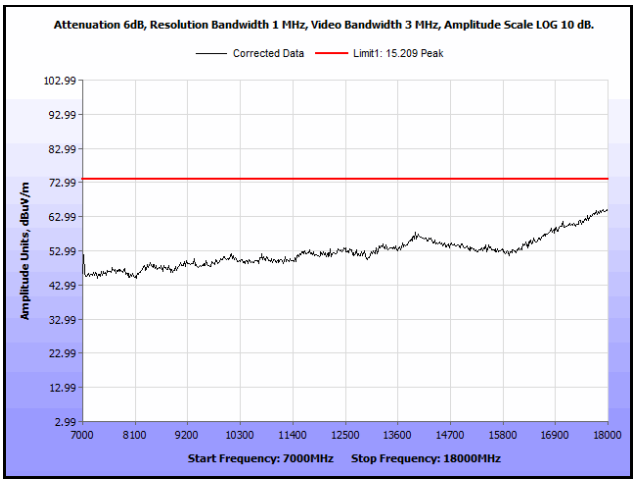
Plot 900. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 2SS, 1 GHz – 7 GHz, Average



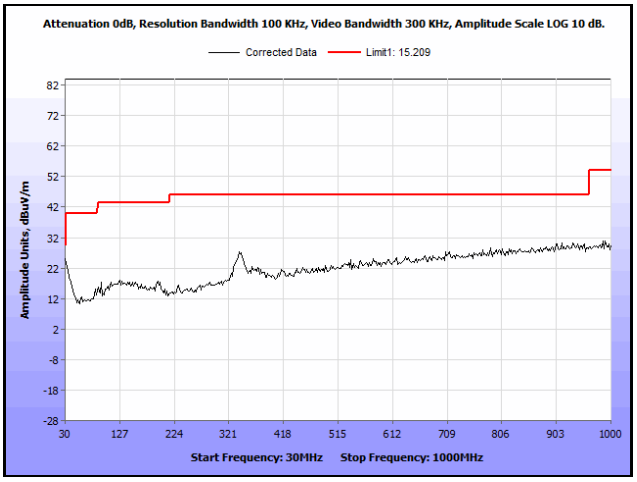
Plot 901. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 2SS, 1 GHz – 7 GHz, Peak



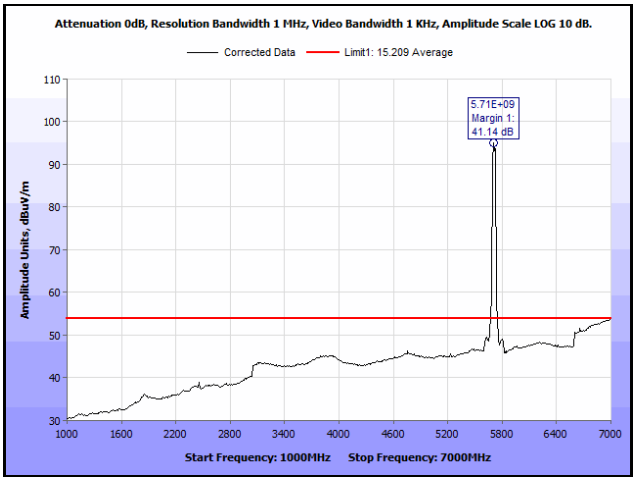
Plot 902. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 2SS, 7 GHz – 18 GHz, Average



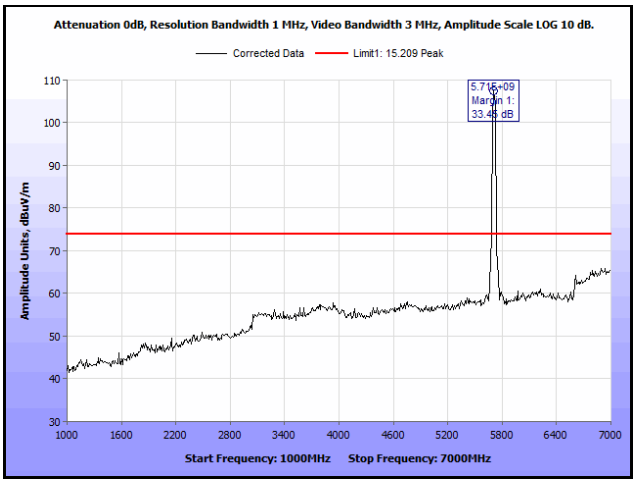
Plot 903. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 2SS, 7 GHz – 18 GHz, Peak



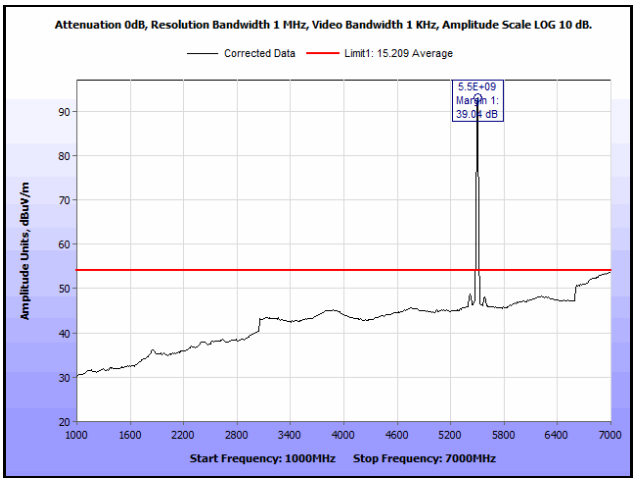
Plot 904. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 2SS, 30 MHz – 1 GHz



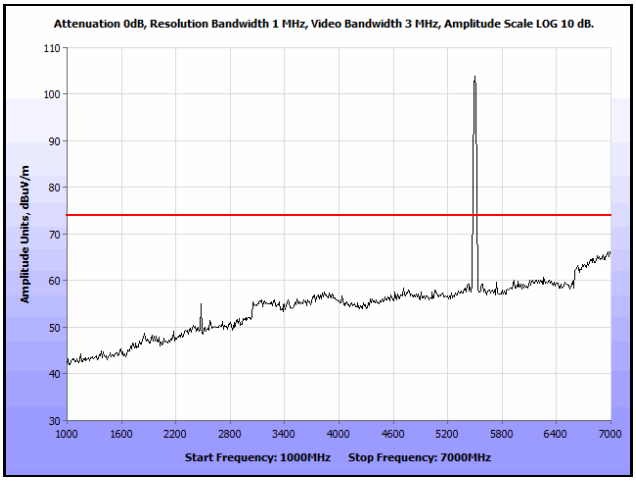
Plot 905. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 2SS, 1 GHz – 7 GHz, Average



Plot 906. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 2SS, 1 GHz – 7 GHz, Peak

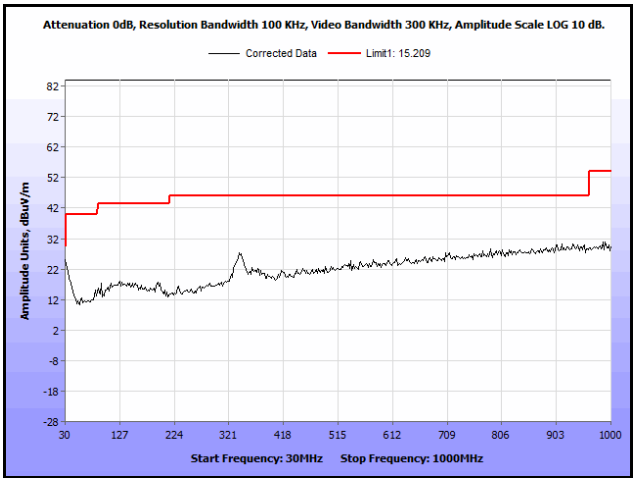


Plot 907. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 2SS, 7 GHz – 18 GHz, Average

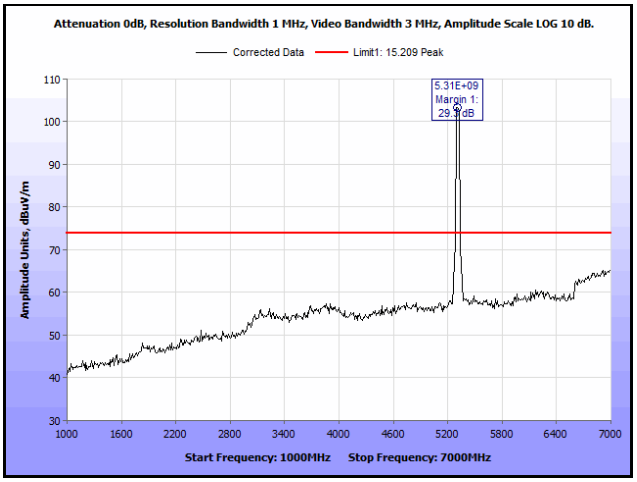


Plot 908. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 2SS, 7 GHz – 18 GHz, Peak

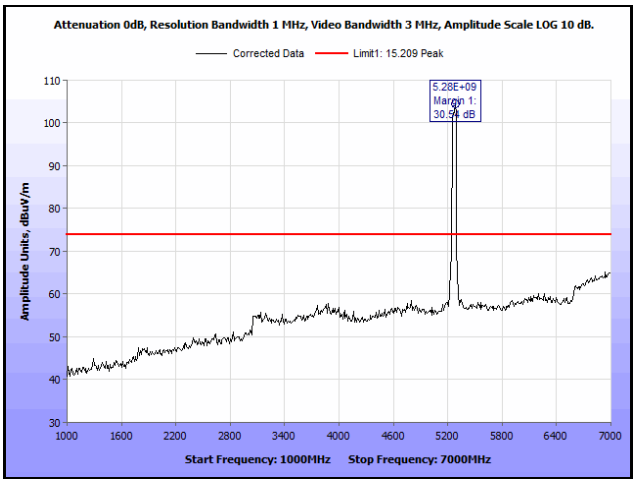
Radiated Spurious Emissions, 802.11n 40 MHz, 3SS



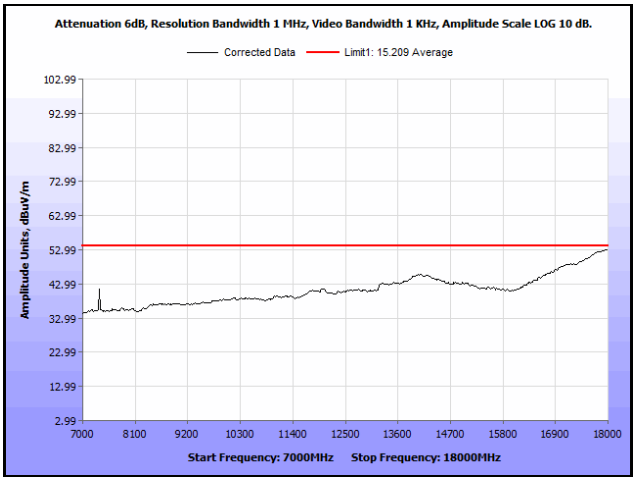
Plot 909. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 3SS, 30 MHz – 1 GHz



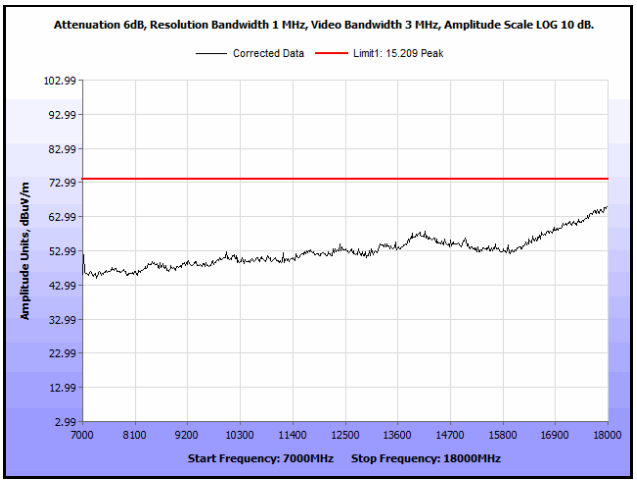
Plot 910. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 3SS, 1 GHz – 7 GHz, Average



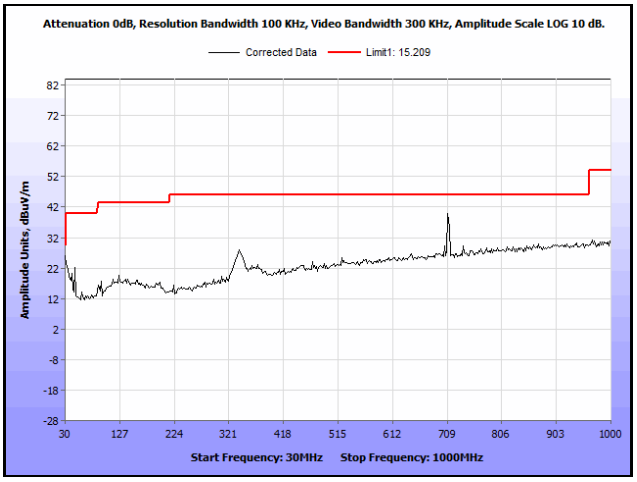
Plot 911. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 3SS, 1 GHz – 7 GHz, Peak



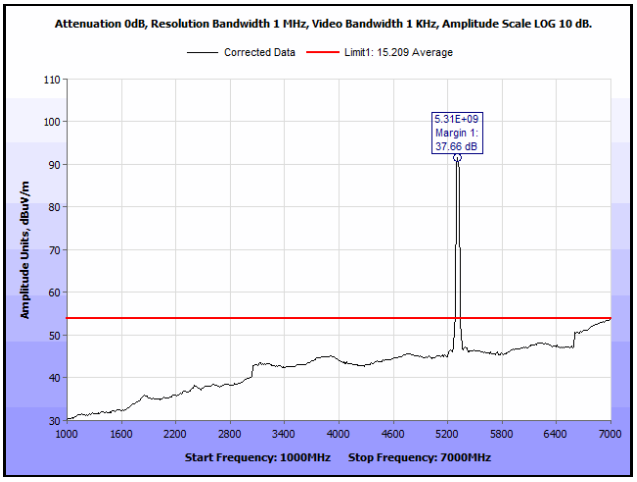
Plot 912. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 3SS, 7 GHz – 18 GHz, Average



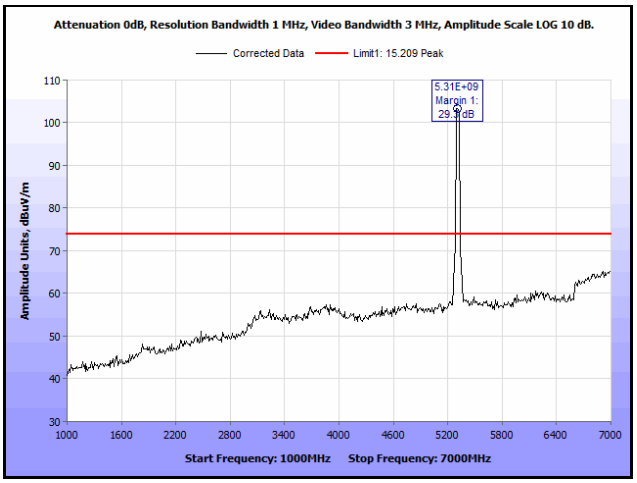
Plot 913. Radiated Spurious Emissions, 802.11n 40 MH, Channel 54, 3SS, 7 GHz – 18 GHz, Peak



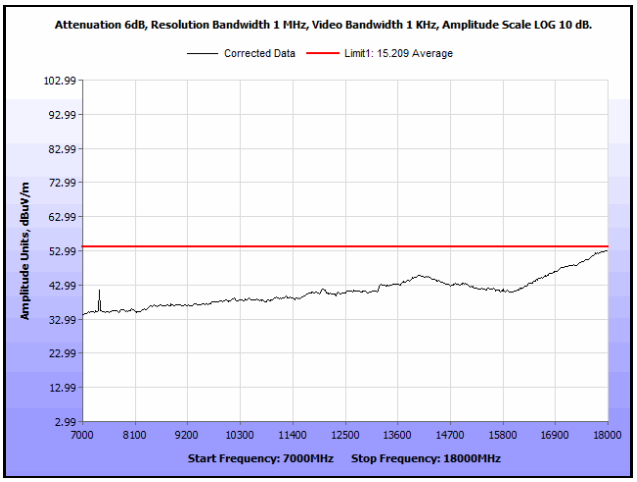
Plot 914. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 3SS, 30 MHz – 1 GHz



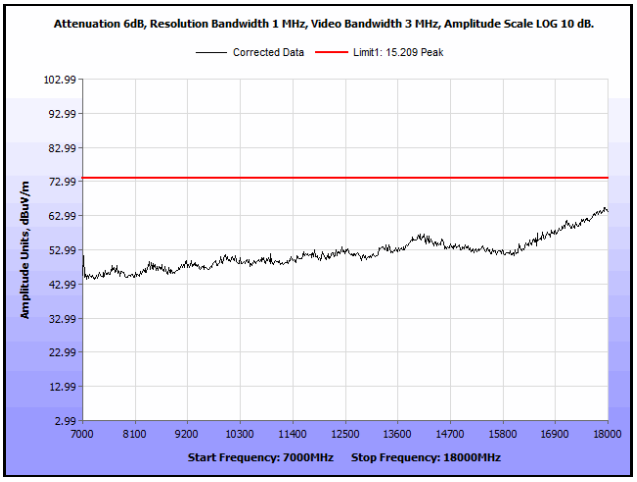
Plot 915. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 3SS, 1 GHz – 7 GHz, Average



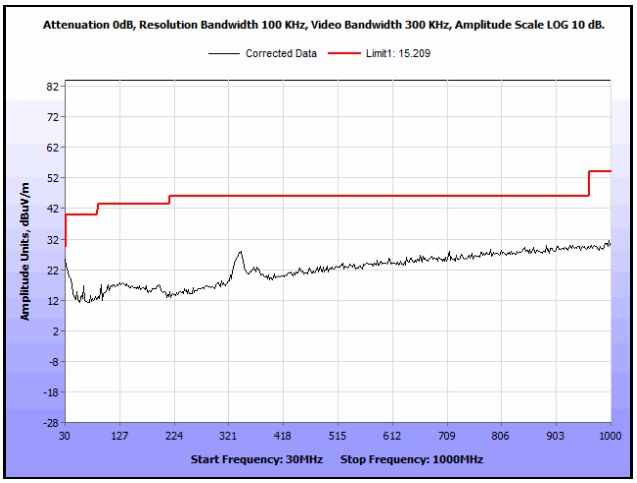
Plot 916. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 3SS, 1 GHz – 7 GHz, Peak



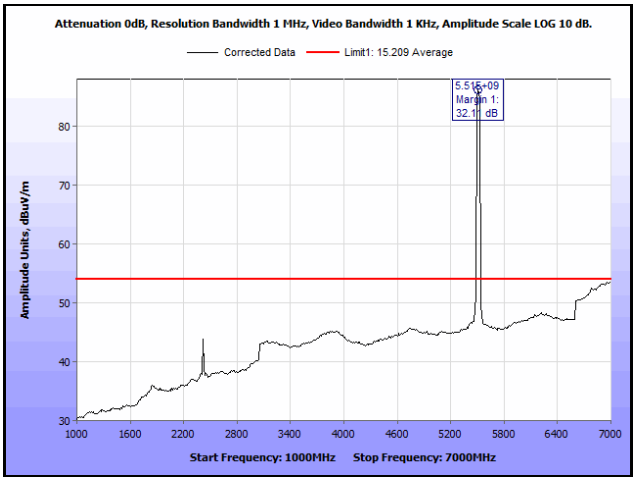
Plot 917. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 3SS, 7 GHz – 18 GHz, Average



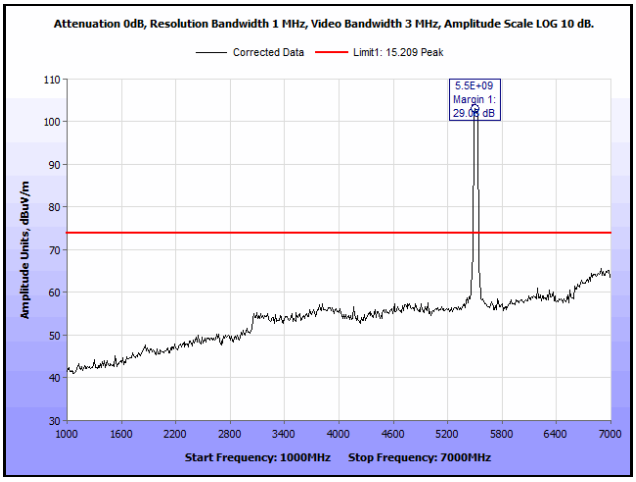
Plot 918. Radiated Spurious Emissions, 802.11n 40 MH, Channel 62, 3SS, 7 GHz – 18 GHz, Peak



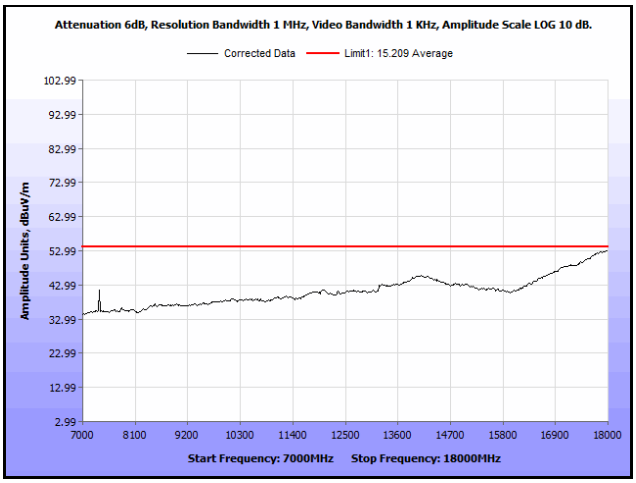
Plot 919. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 3SS, 30 MHz – 1 GHz



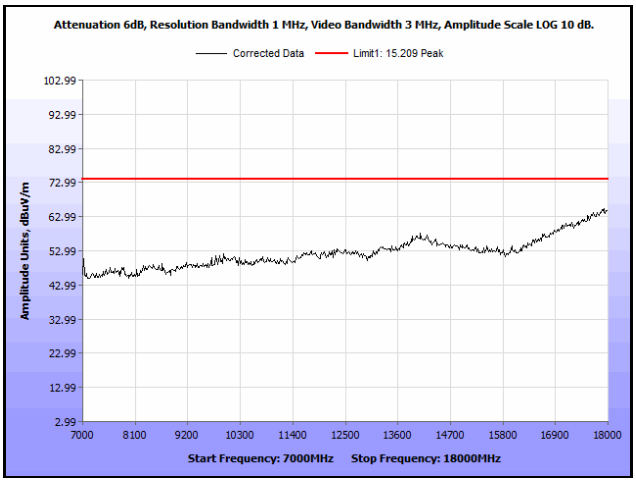
Plot 920. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 3SS, 1 GHz – 7 GHz, Average



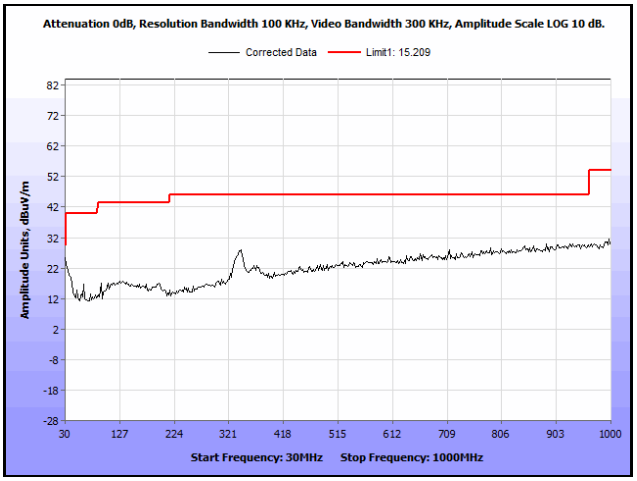
Plot 921. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 3SS, 1 GHz – 7 GHz, Peak



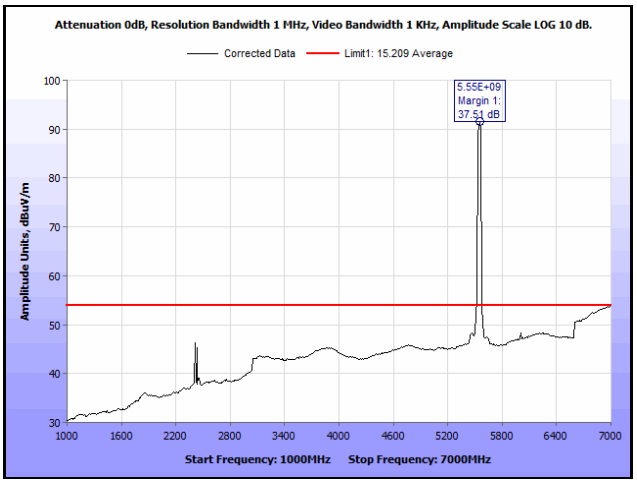
Plot 922. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 3SS, 7 GHz – 18 GHz, Average



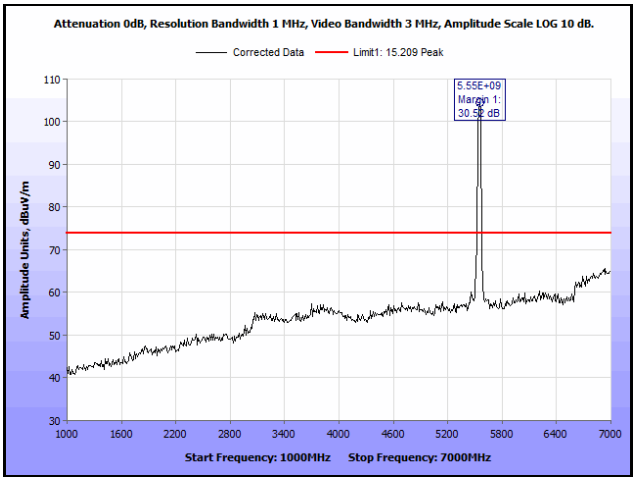
Plot 923. Radiated Spurious Emissions, 802.11n 40 MH, Channel 102, 3SS, 7 GHz – 18 GHz, Peak



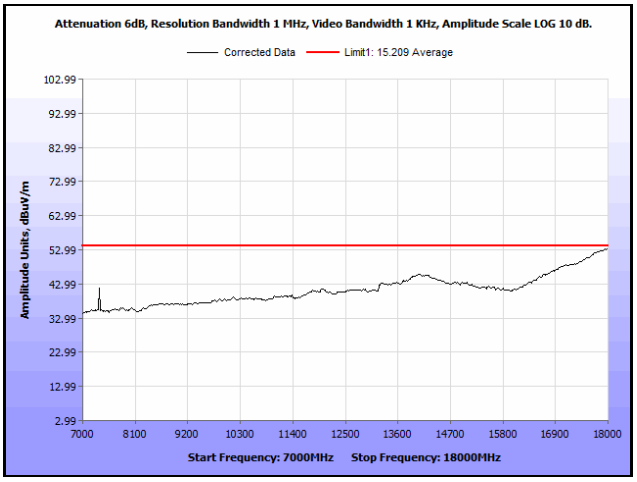
Plot 924. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 3SS, 30 MHz – 1 GHz



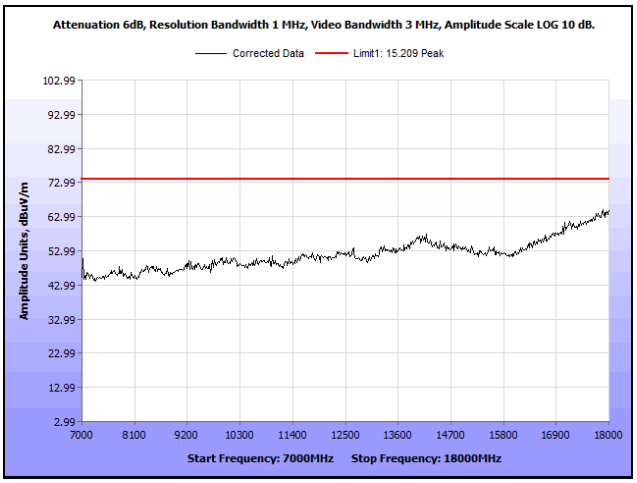
Plot 925. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 3SS, 1 GHz – 7 GHz, Average



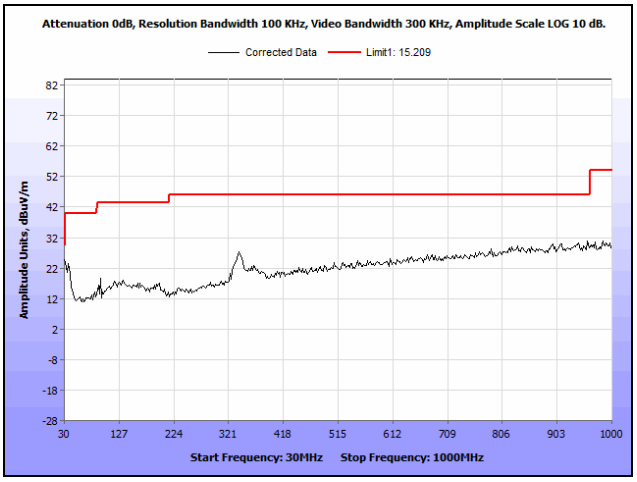
Plot 926. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 3SS, 1 GHz – 7 GHz, Peak



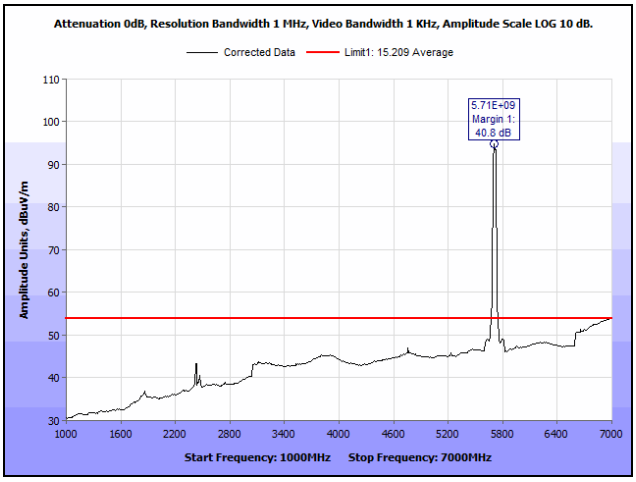
Plot 927. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 3SS, 7 GHz – 18 GHz, Average



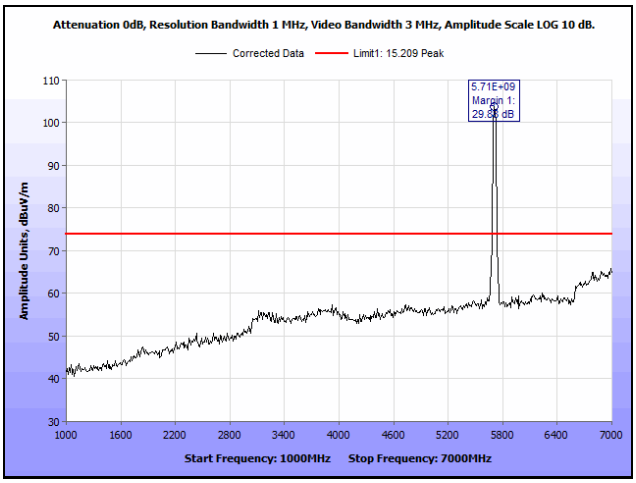
Plot 928. Radiated Spurious Emissions, 802.11n 40 MH, Channel 110, 3SS, 7 GHz – 18 GHz, Peak



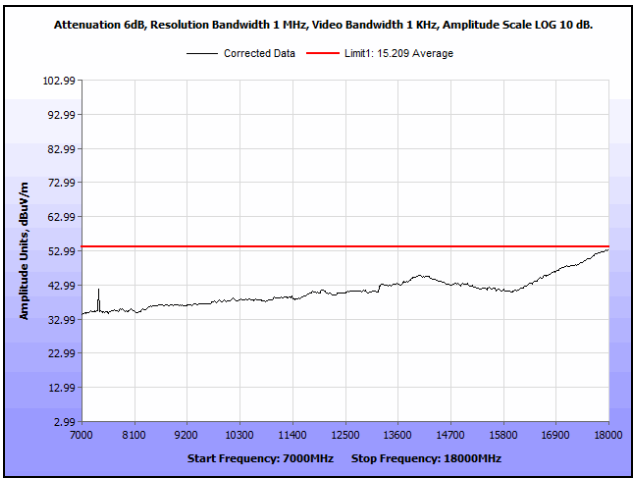
Plot 929. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 3SS, 30 MHz – 1 GHz



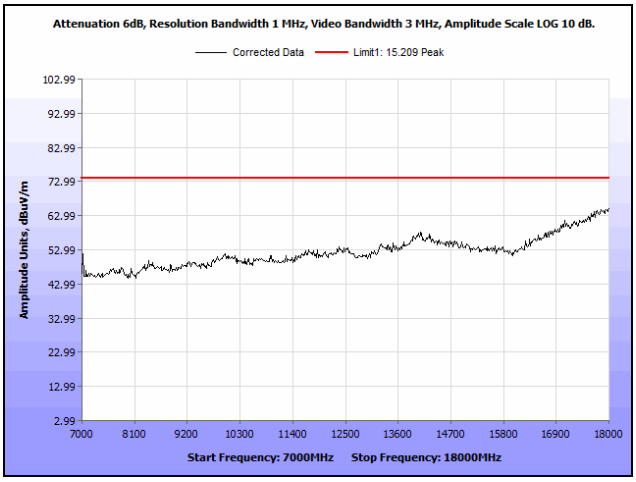
Plot 930. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 3SS, 1 GHz – 7 GHz, Average



Plot 931. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 3SS, 1 GHz – 7 GHz, Peak

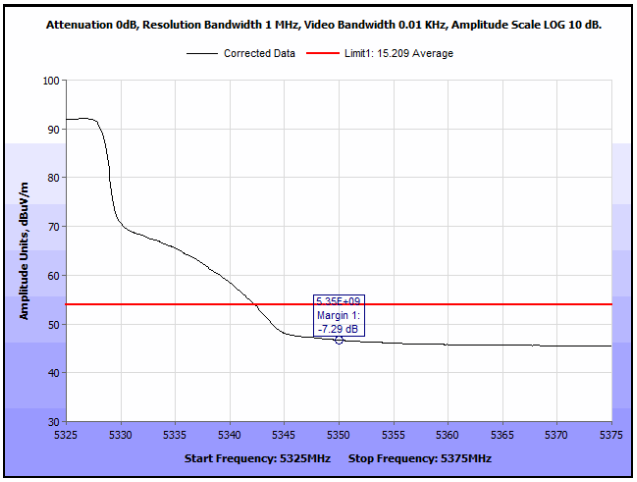


Plot 932. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 3SS, 7 GHz – 18 GHz, Average

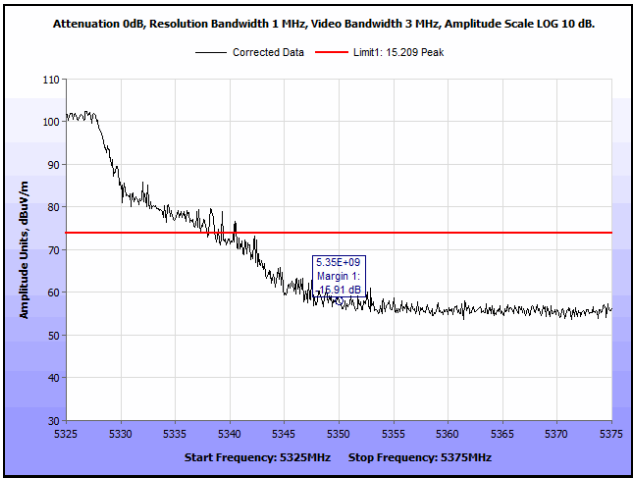


Plot 933. Radiated Spurious Emissions, 802.11n 40 MH, Channel 142, 3SS, 7 GHz – 18 GHz, Peak

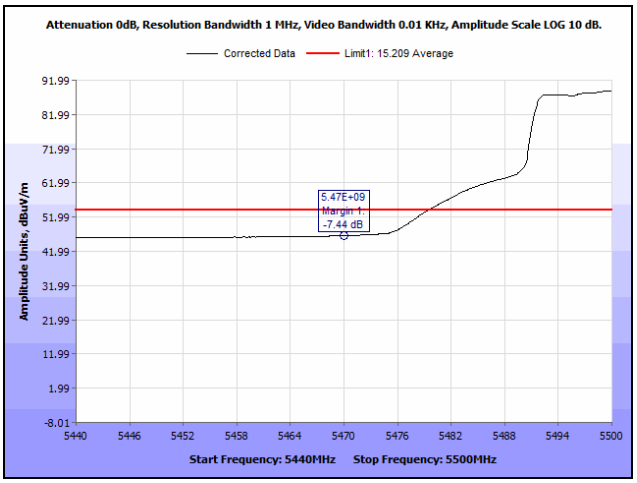
Radiated Band Edge, 802.11a 20 MHz



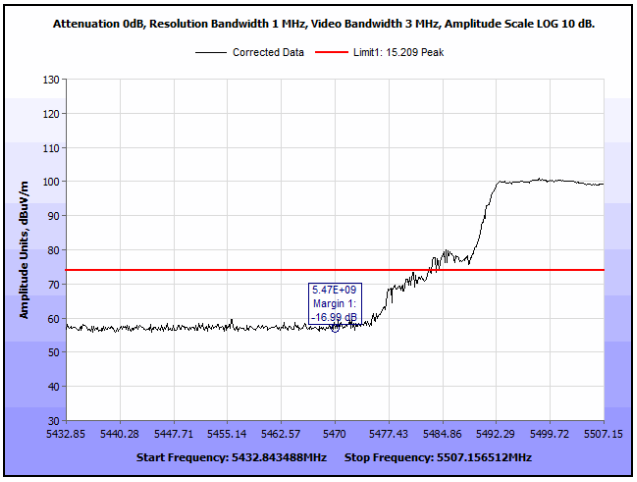
Plot 934. Radiated Band Edge, 802.11a 20 MHz, 5350 MHz, Average



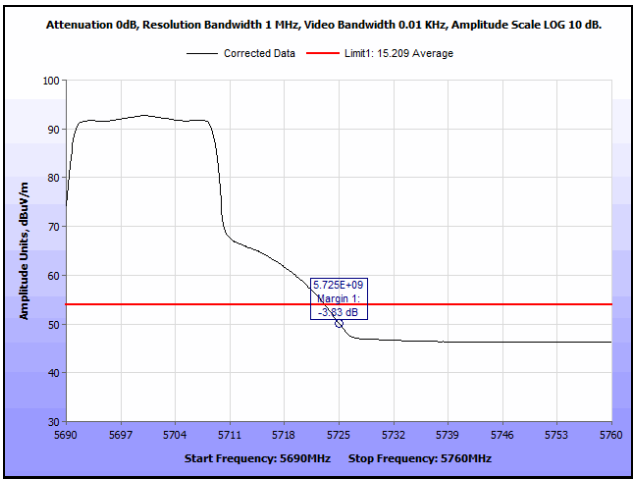
Plot 935. Radiated Band Edge, 802.11a 20 MHz, 5350 MHz, Peak



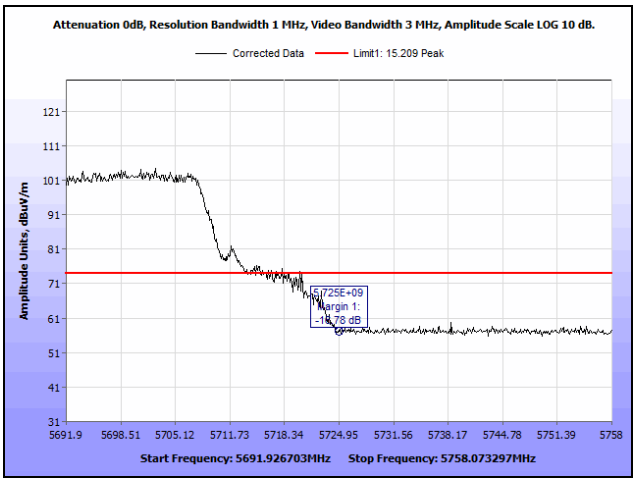
Plot 936. Radiated Band Edge, 802.11a 20 MHz, 5570 MHz, Average



Plot 937. Radiated Band Edge, 802.11a 20 MHz, 5570 MHz, Peak

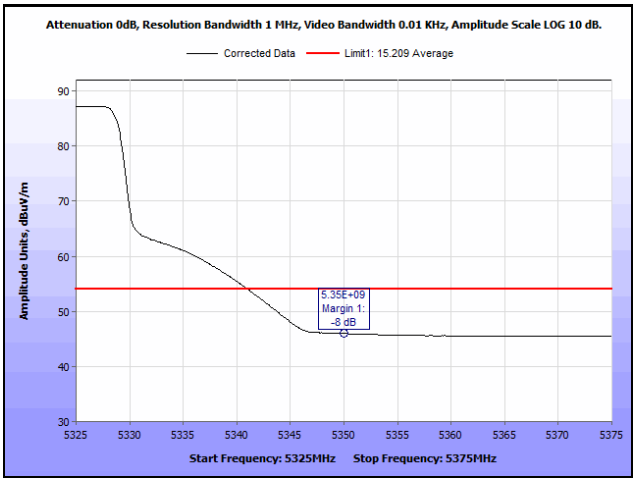


Plot 938. Radiated Band Edge, 802.11a 20 MHz, 5725 MHz, Average

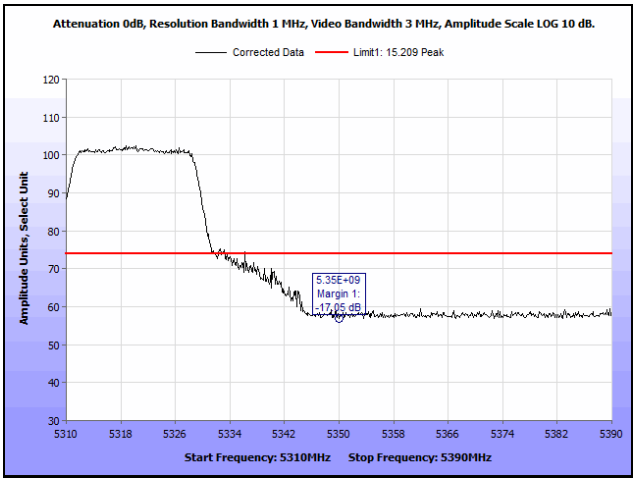


Plot 939. Radiated Band Edge, 802.11a 20 MHz, 5725 MHz, Peak

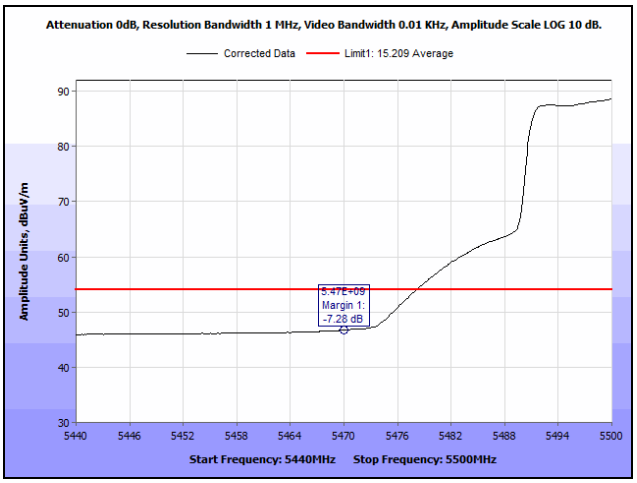
Radiated Band Edge, 802.11ac 20 MHz



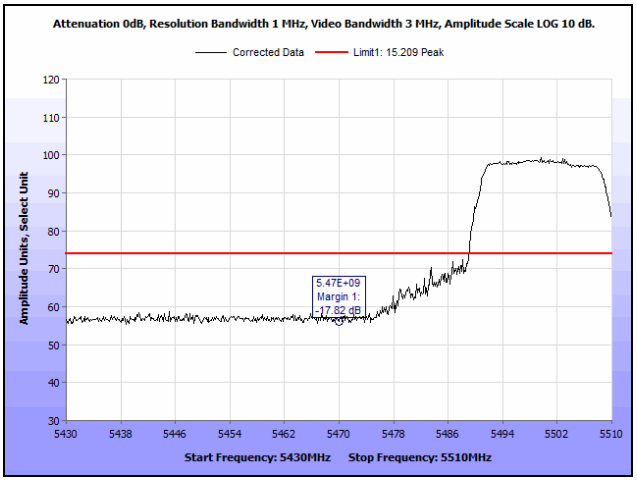
Plot 940. Radiated Band Edge, 802.11ac 20 MHz, 5350 MHz, Average



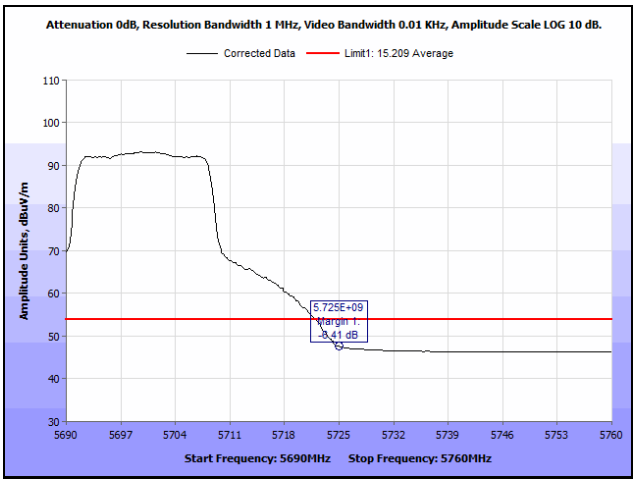
Plot 941. Radiated Band Edge, 802.11ac 20 MHz, 5350 MHz, Peak



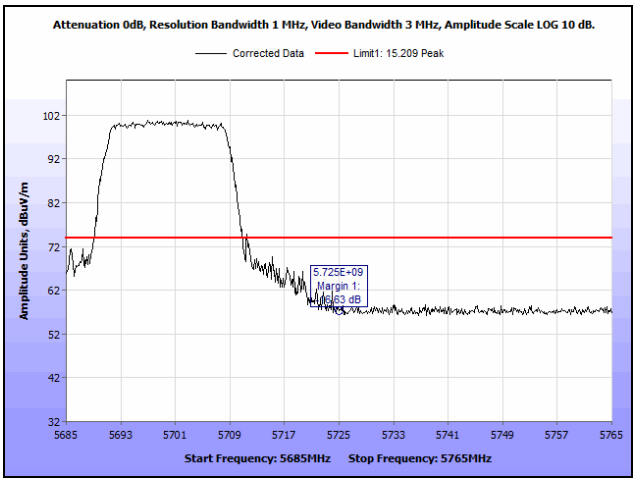
Plot 942. Radiated Band Edge, 802.11ac 20 MHz, 5470 MHz, Average



Plot 943. Radiated Band Edge, 802.11ac 20 MHz, 5470 MHz, Peak

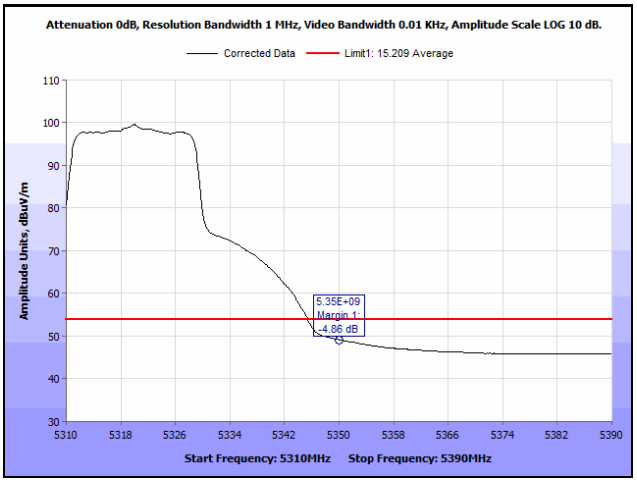


Plot 944. Radiated Band Edge, 802.11ac 20 MHz, 5725 MHz, Average

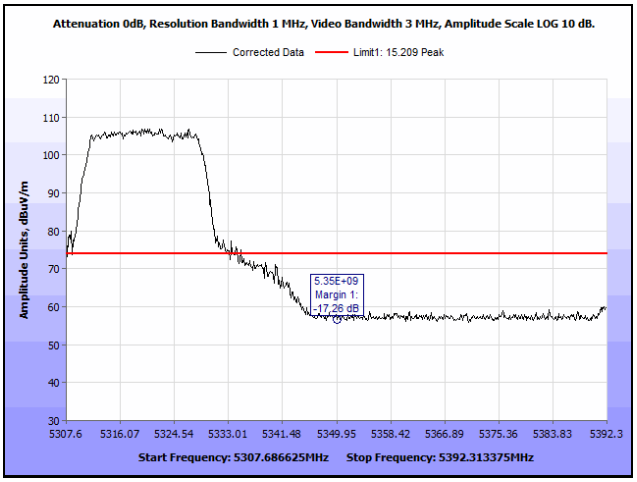


Plot 945. Radiated Band Edge, 802.11ac 20 MHz, 5725 MHz, Peak

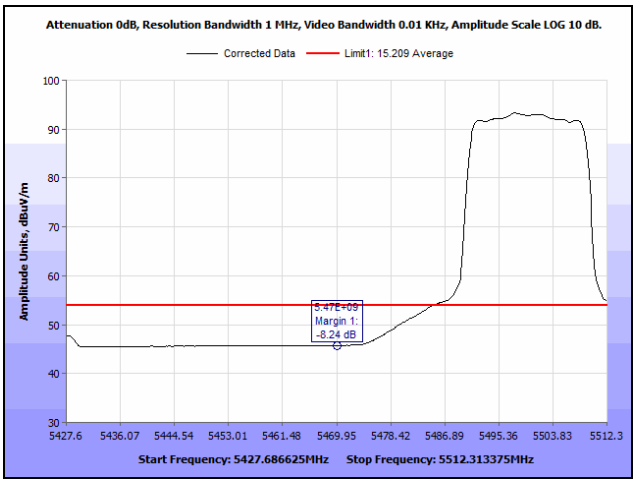
Radiated Band Edge, 802.11ac 20 MHz, 2SS



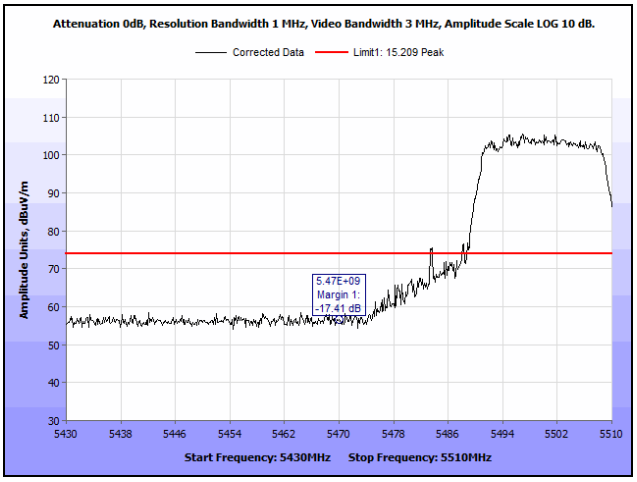
Plot 946. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5350 MHz, Average



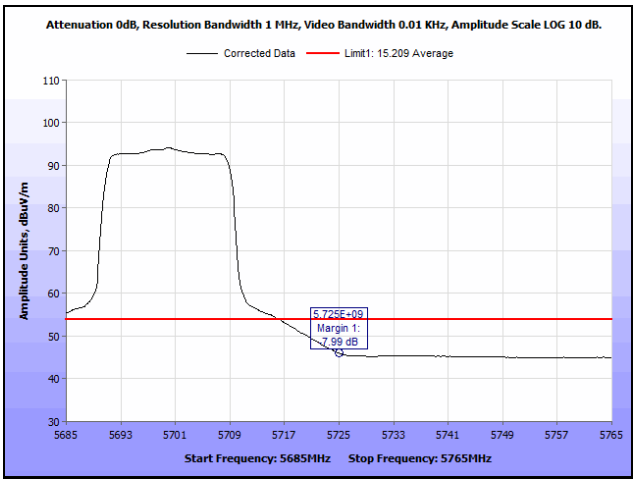
Plot 947. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5350 MHz, Peak



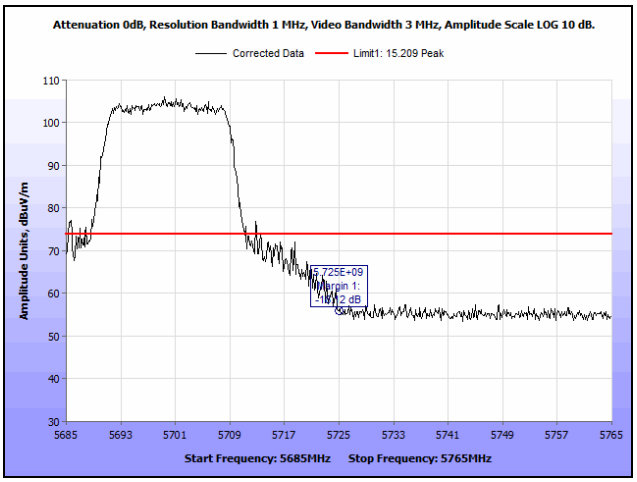
Plot 948. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5470 MHz, Average



Plot 949. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5470 MHz, Peak

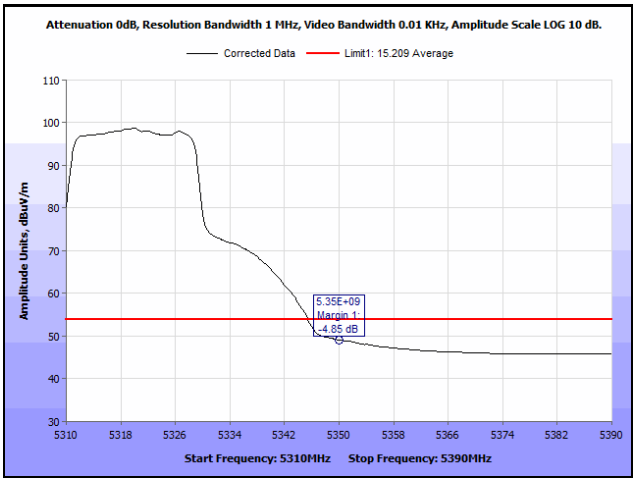


Plot 950. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5725 MHz, Average

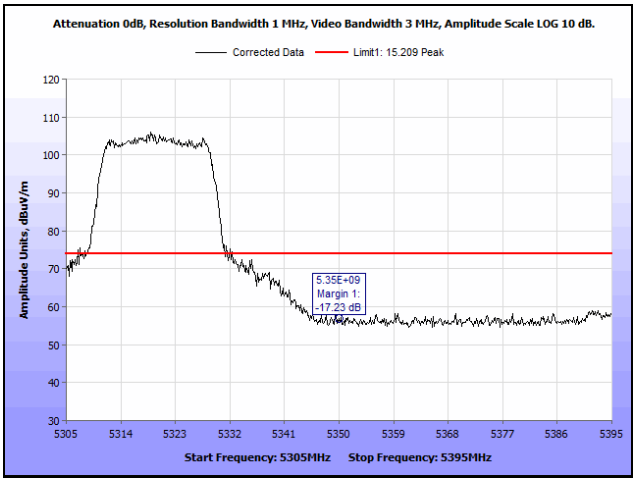


Plot 951. Radiated Band Edge, 802.11ac 20 MHz, 2SS, 5725 MHz, Peak

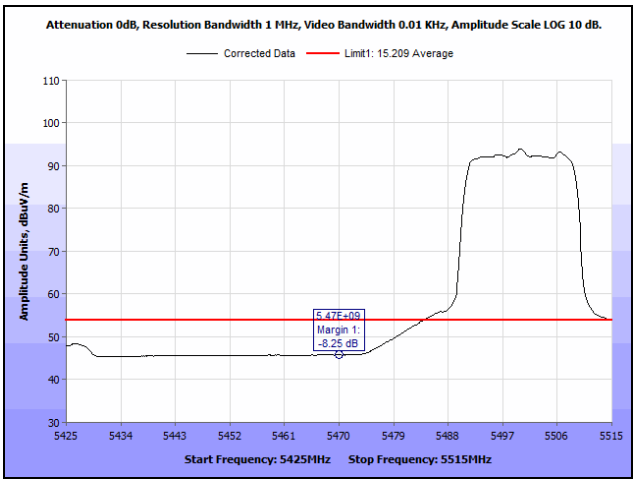
Radiated Band Edge, 802.11ac 20 MHz, 3SS



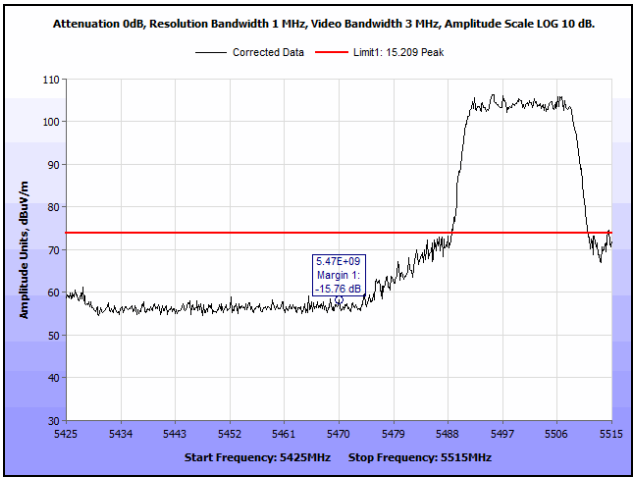
Plot 952. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5350 MHz, Average



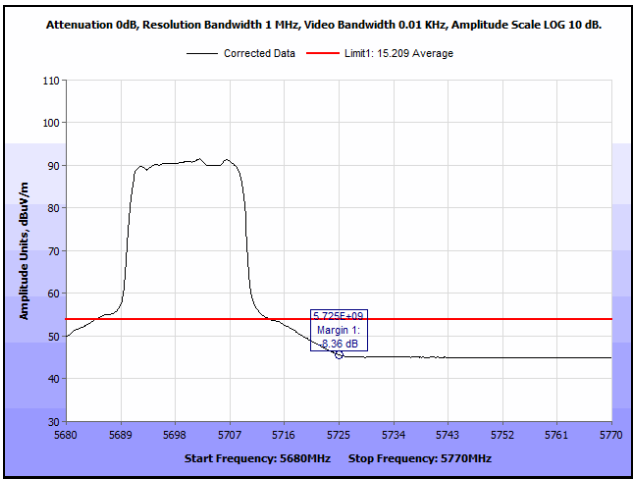
Plot 953. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5350 MHz, Peak



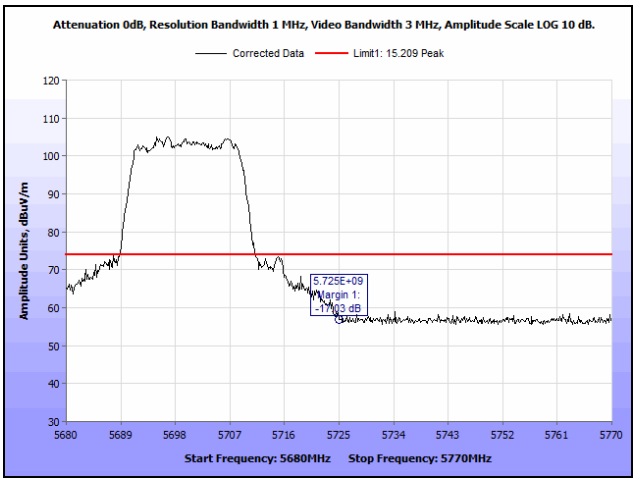
Plot 954. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5470 MHz, Average



Plot 955. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5470 MHz, Peak

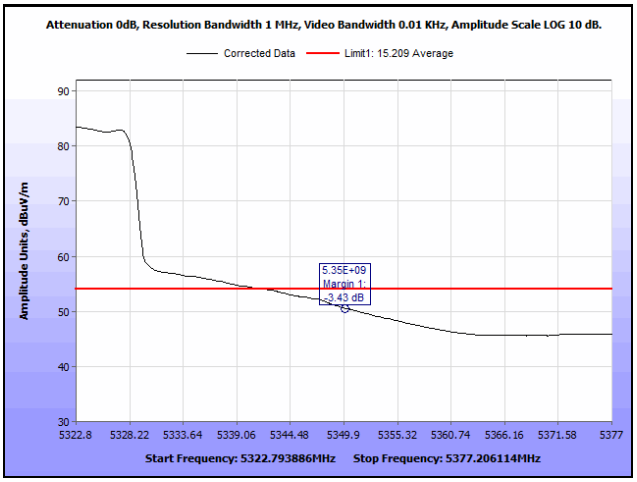


Plot 956. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5725 MHz, Average

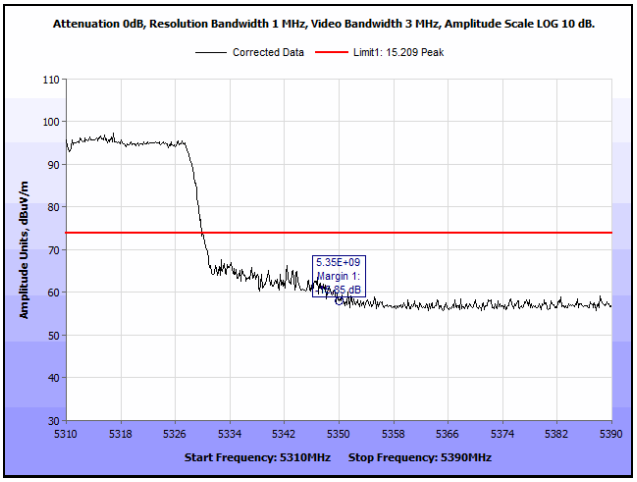


Plot 957. Radiated Band Edge, 802.11ac 20 MHz, 3SS, 5725 MHz, Peak

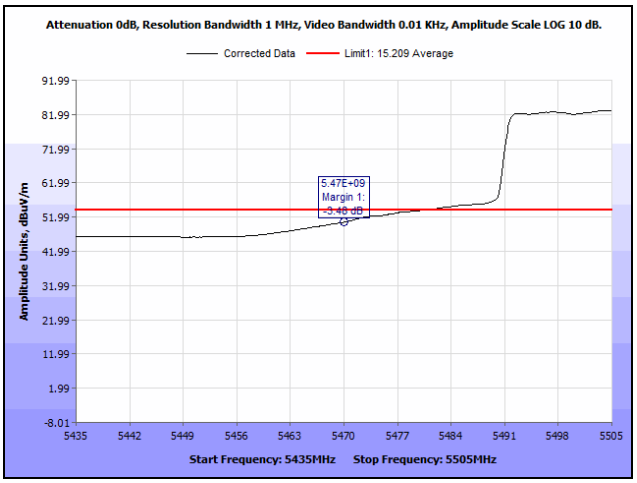
Radiated Band Edge, 802.11ac 40 MHz, 1SS



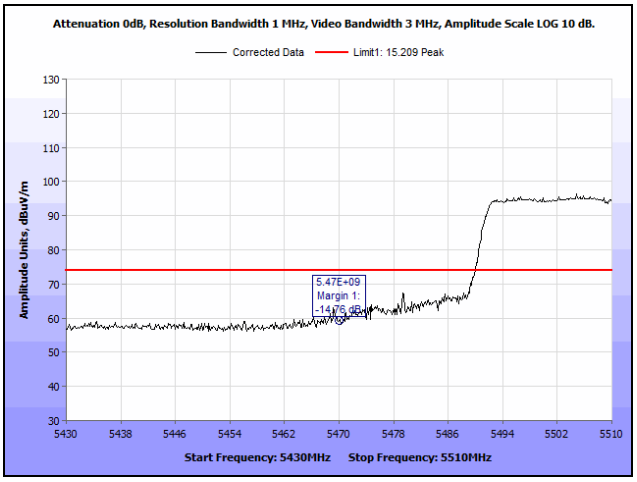
Plot 958. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5350 MHz, Average



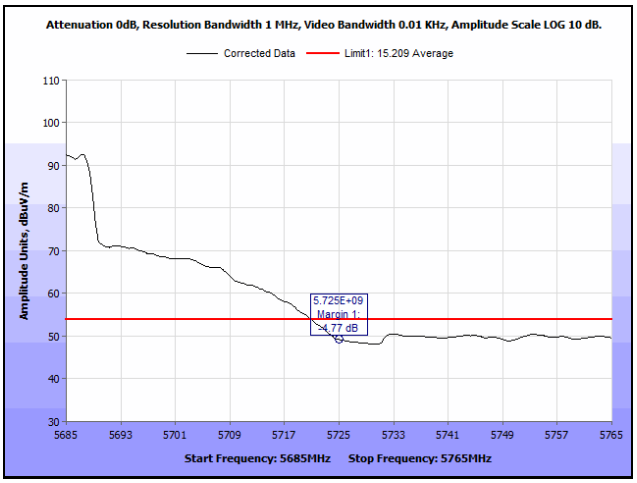
Plot 959. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5350 MHz, Peak



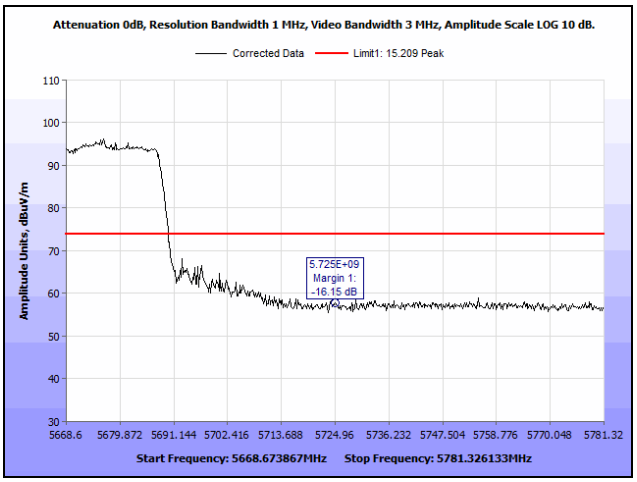
Plot 960. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5470 MHz, Average



Plot 961. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5470 MHz, Peak

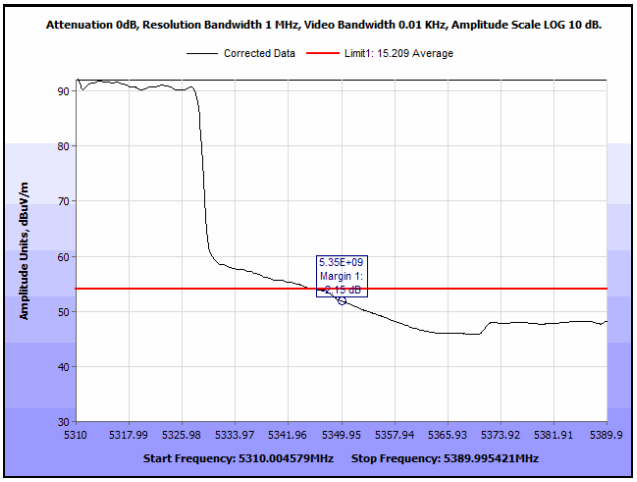


Plot 962. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5725 MHz, Average

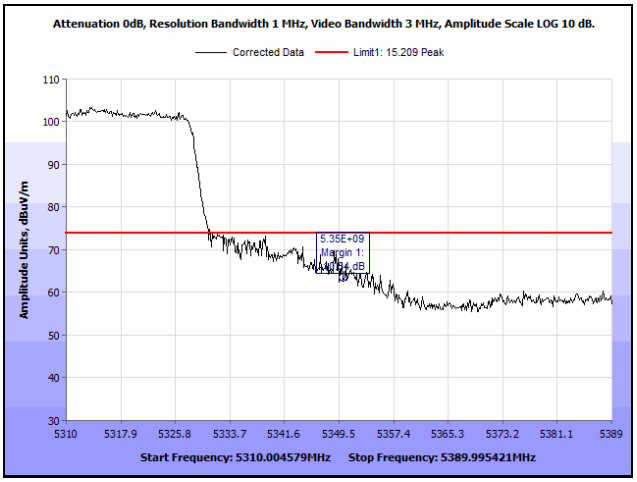


Plot 963. Radiated Band Edge, 802.11ac 40 MHz, 1SS, 5725 MHz, Peak

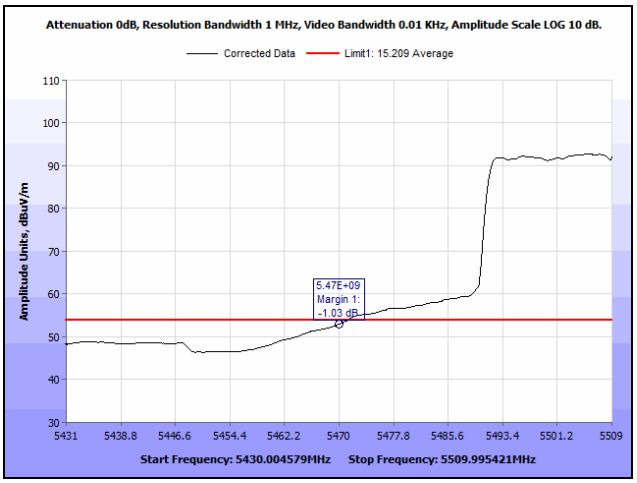
Radiated Band Edge, 802.11ac 40 MHz, 2SS



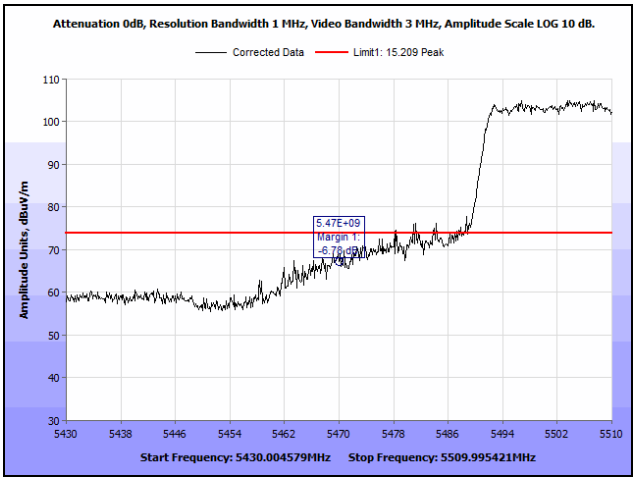
Plot 964. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5350 MHz, Average



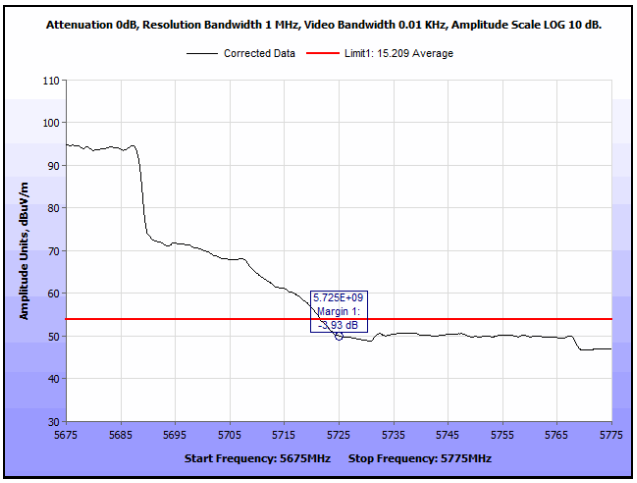
Plot 965. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5350 MHz, Peak



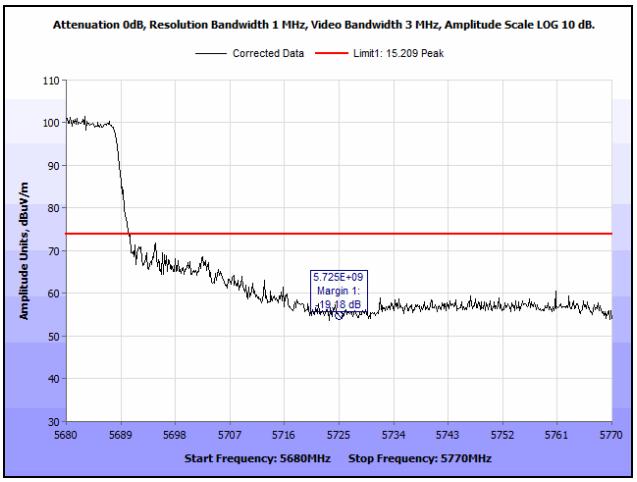
Plot 966. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5470 MHz, Average



Plot 967. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5470 MHz, Peak

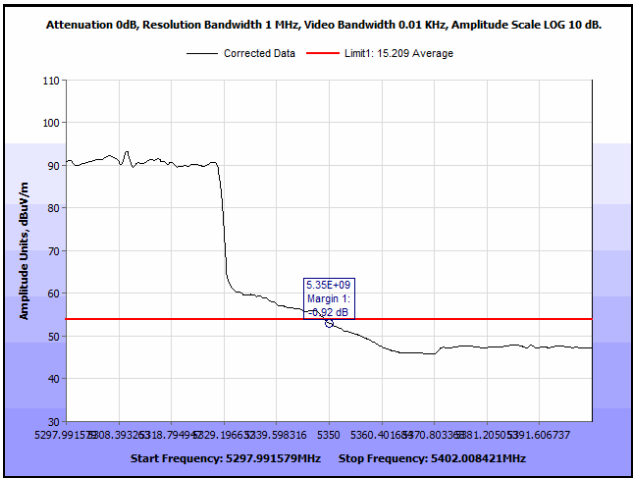


Plot 968. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5725 MHz, Average

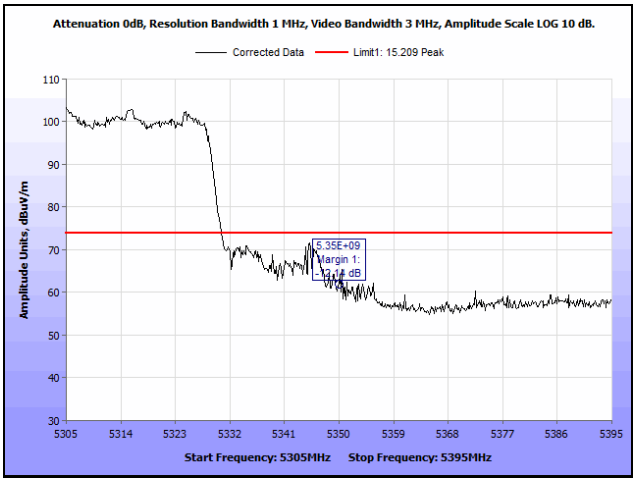


Plot 969. Radiated Band Edge, 802.11ac 40 MHz, 2SS, 5725 MHz, Peak

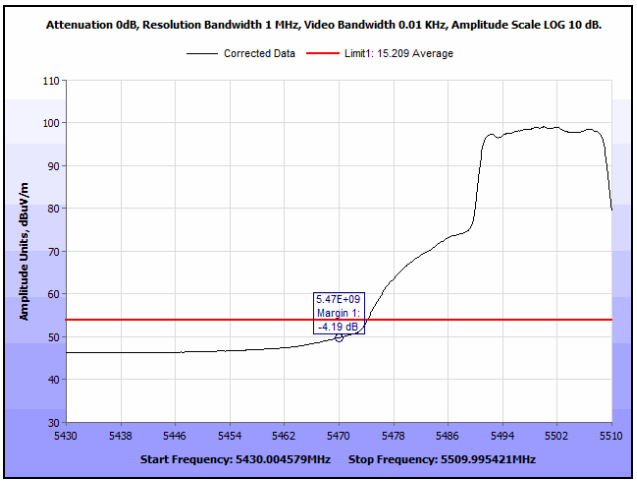
Radiated Band Edge, 802.11ac 40 MHz, 3SS



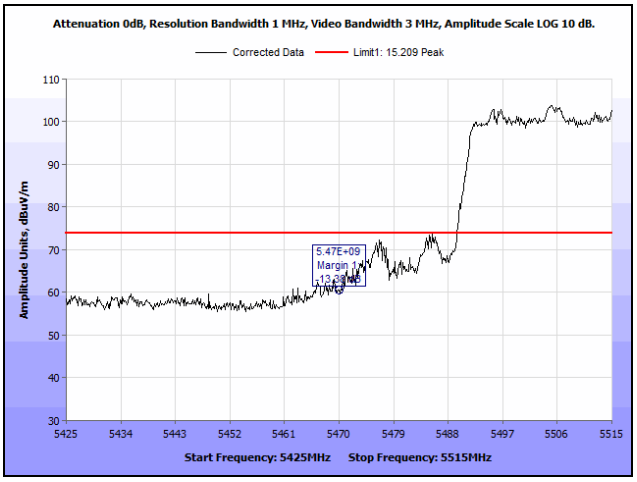
Plot 970. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5350 MHz, Average



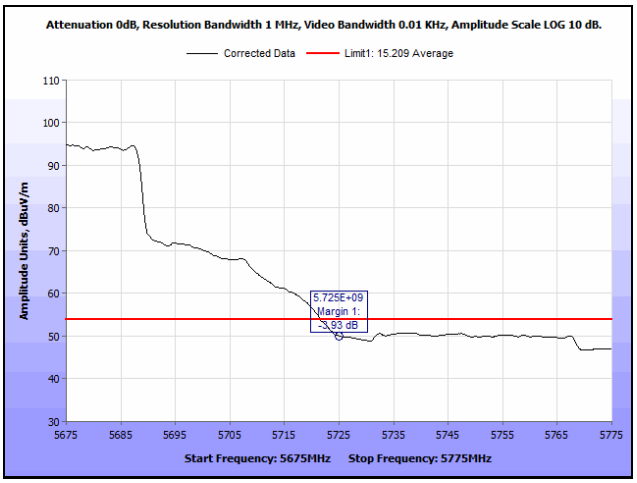
Plot 971. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5350 MHz, Peak



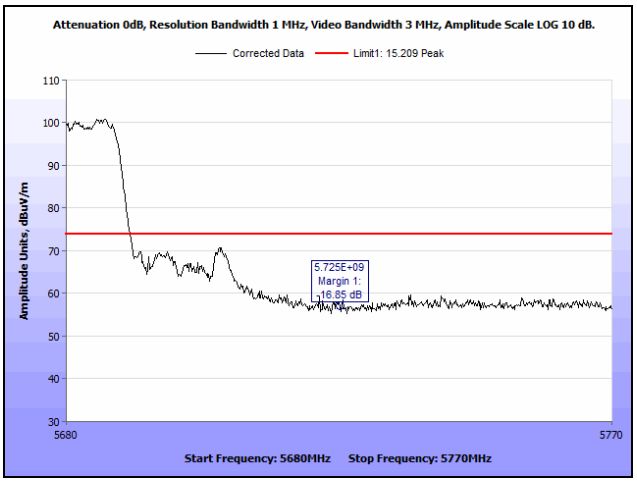
Plot 972. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5470 MHz, Average



Plot 973. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5470 MHz, Peak

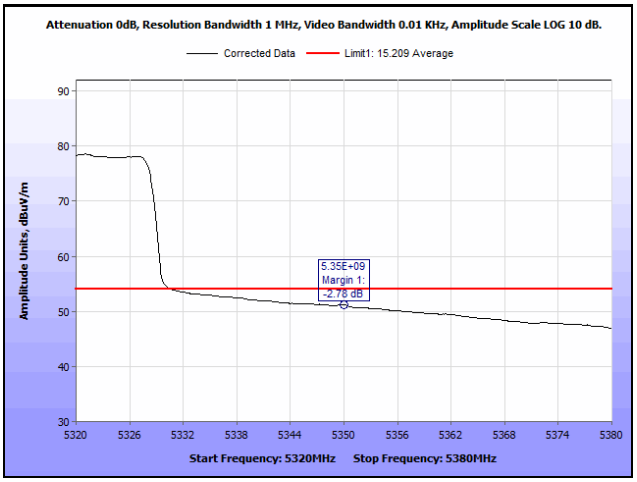


Plot 974. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5725 MHz, Average

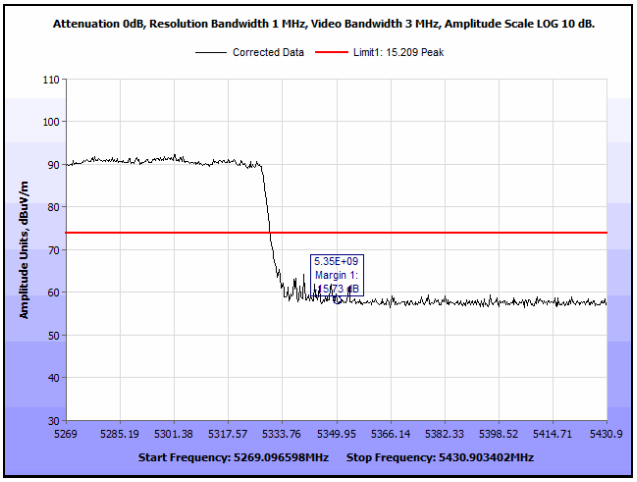


Plot 975. Radiated Band Edge, 802.11ac 40 MHz, 3SS, 5725 MHz, Peak

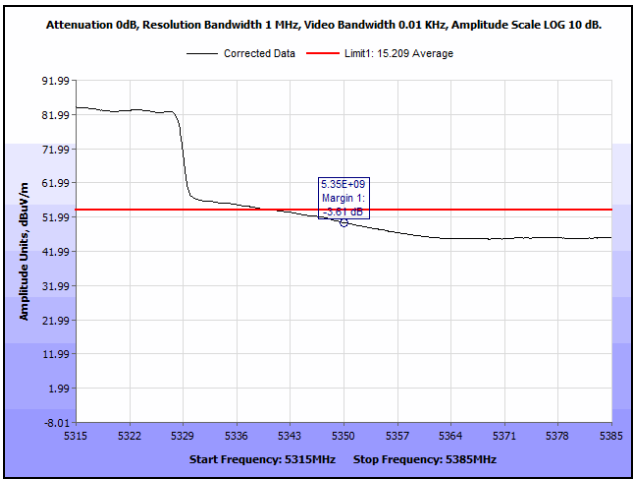
Radiated Band Edge, 802.11ac 80 MHz, 1SS



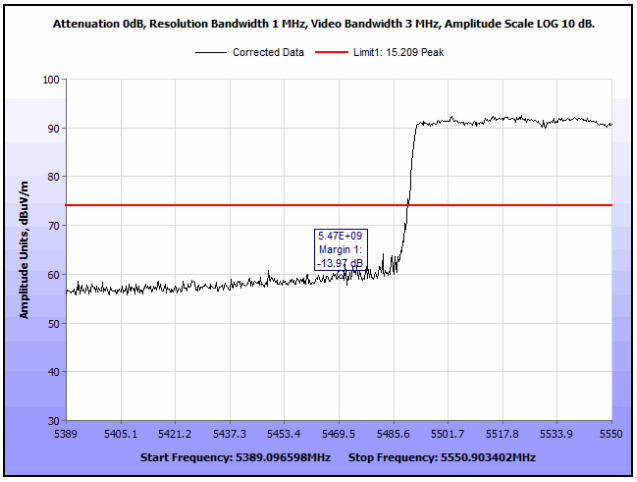
Plot 976. Radiated Band Edge, 802.11ac 80 MHz, 1SS, 5350 MHz, Average



Plot 977. Radiated Band Edge, 802.11ac 80 MHz, 1SS, 5350 MHz, Peak

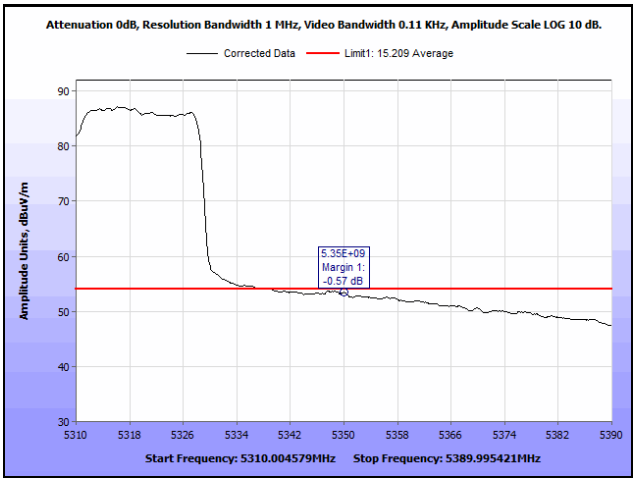


Plot 978. Radiated Band Edge, 802.11ac 80 MHz, 1SS, 5470 MHz, Average

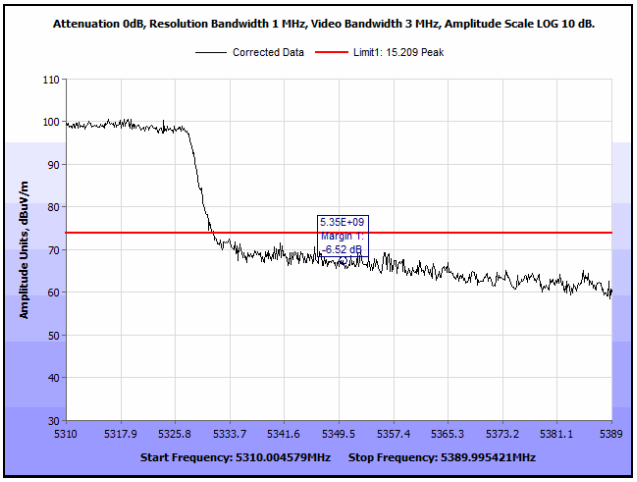


Plot 979. Radiated Band Edge, 802.11ac 80 MHz, 1SS, 5470 MHz, Peak

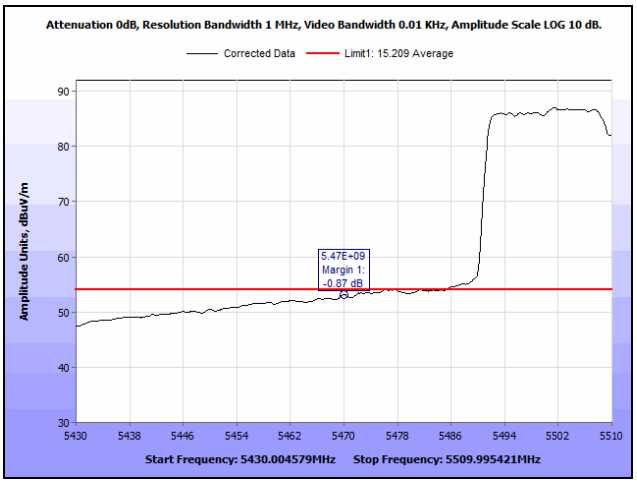
Radiated Band Edge, 802.11ac 80 MHz, 2SS



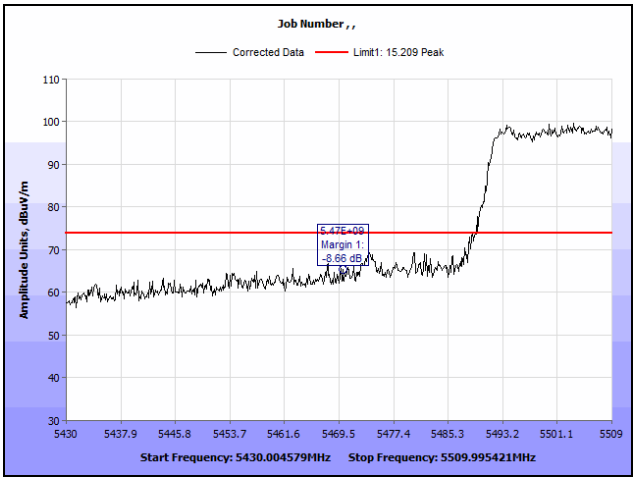
Plot 980. Radiated Band Edge, 802.11ac 80 MHz, 2SS, 5350 MHz, Average



Plot 981. Radiated Band Edge, 802.11ac 80 MHz, 2SS, 5350 MHz, Peak

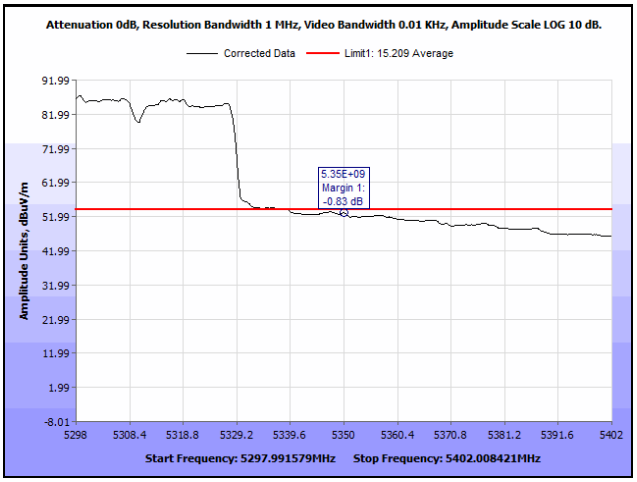


Plot 982. Radiated Band Edge, 802.11ac 80 MHz, 2SS, 5470 MHz, Average

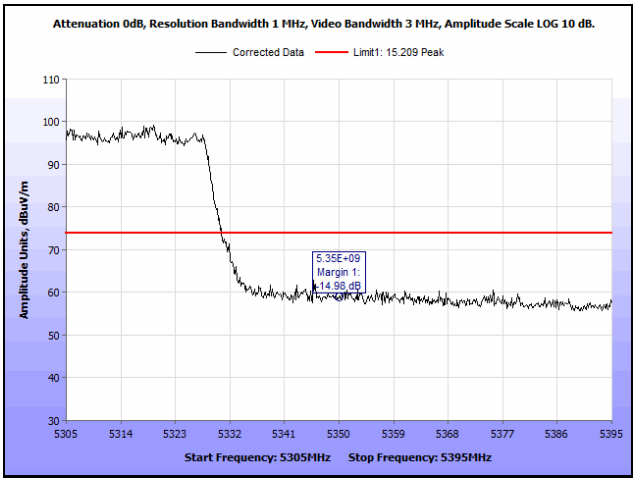


Plot 983. Radiated Band Edge, 802.11ac 80 MHz, 2SS, 5470 MHz, Peak

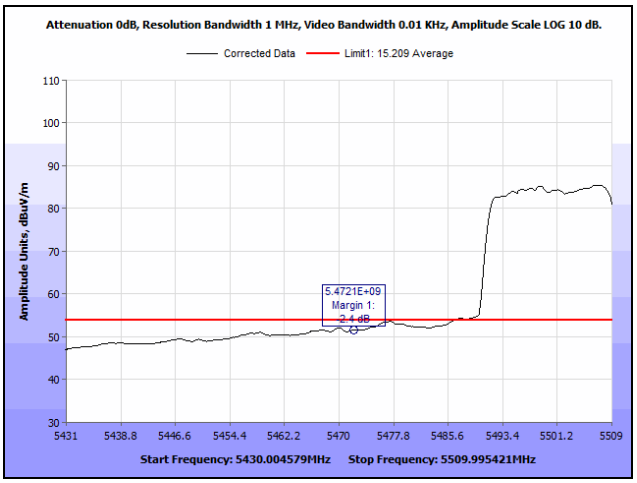
Radiated Band Edge, 802.11ac 80 MHz, 3SS



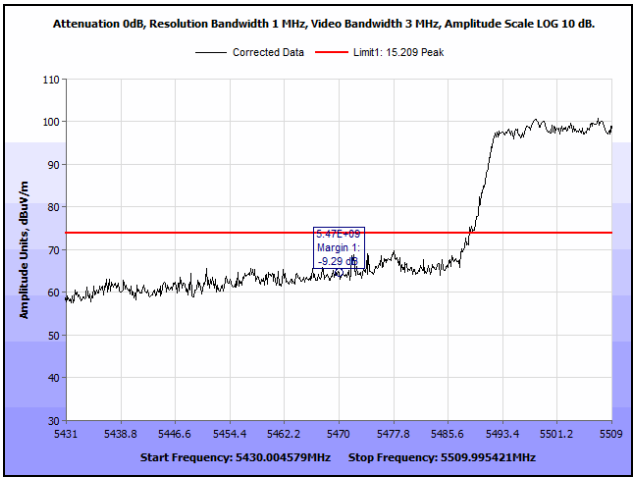
Plot 984. Radiated Band Edge, 802.11ac 80 MHz, 3SS, 5350 MHz, Average



Plot 985. Radiated Band Edge, 802.11ac 80 MHz, 3SS, 5350 MHz, Peak

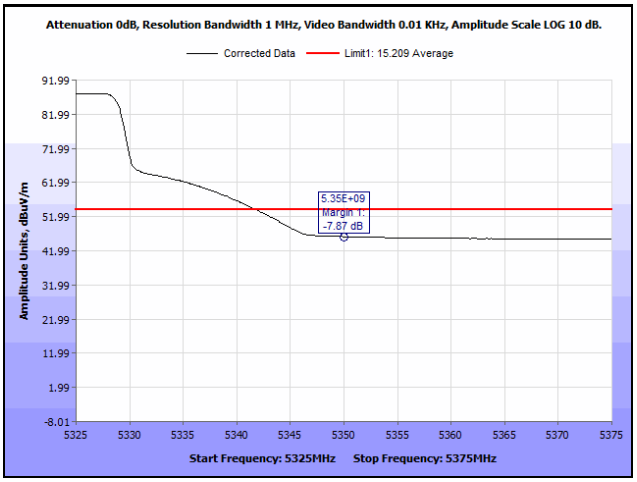


Plot 986. Radiated Band Edge, 802.11ac 80 MHz, 3SS, 5470 MHz, Average

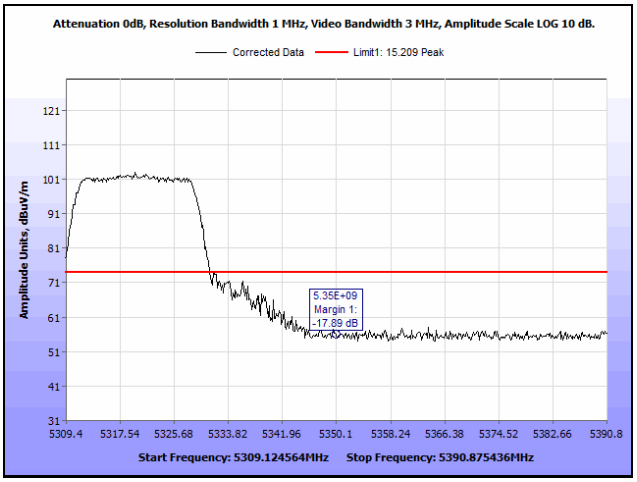


Plot 987. Radiated Band Edge, 802.11ac 80 MHz, 3SS, 5470 MHz, Peak

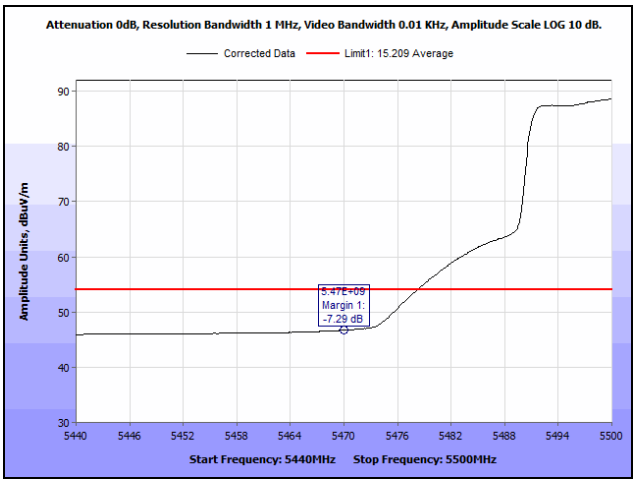
Radiated Band Edge, 802.11n 20 MHz, 1SS



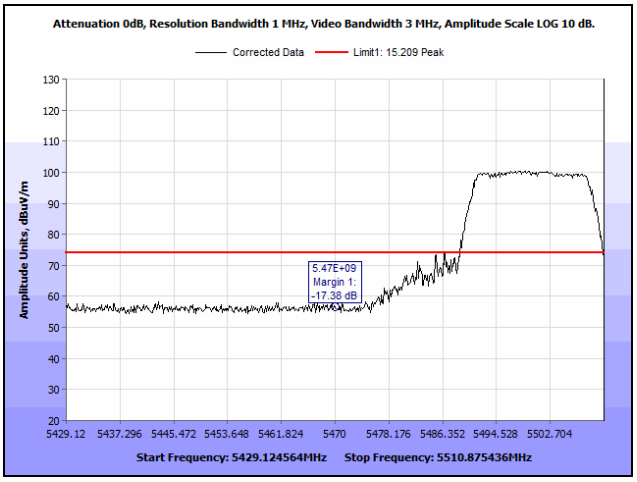
Plot 988. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5350 MHz, Average



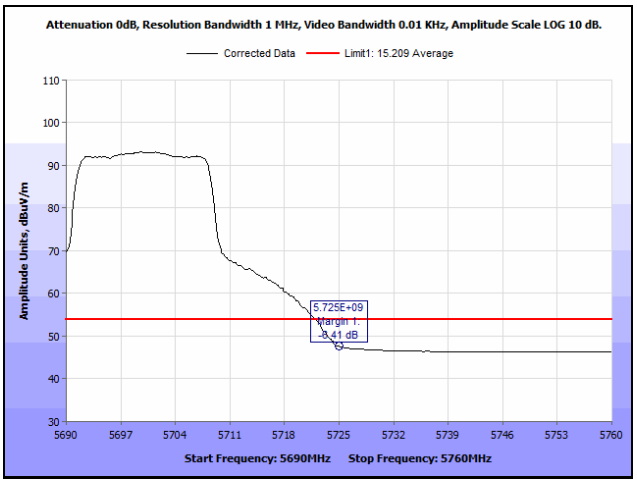
Plot 989. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5350 MHz, Peak



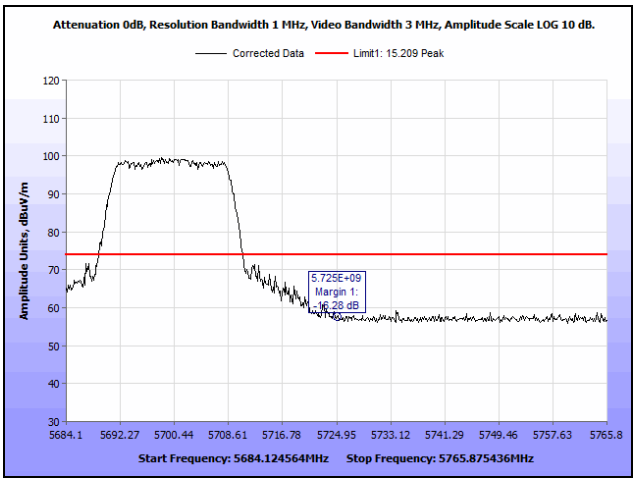
Plot 990. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5470 MHz, Average



Plot 991. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5470 MHz, Peak

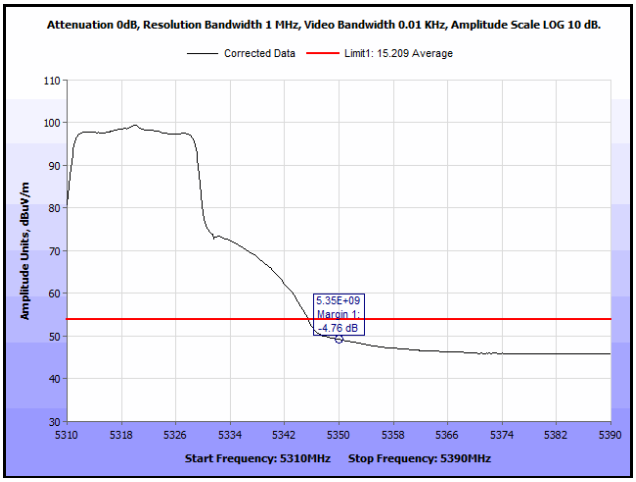


Plot 992. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5725 MHz, Average

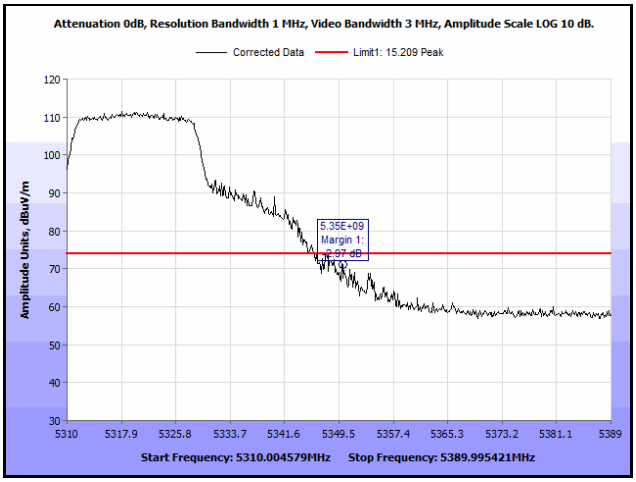


Plot 993. Radiated Band Edge, 802.11n 20 MHz, 1SS, 5725 MHz, Peak

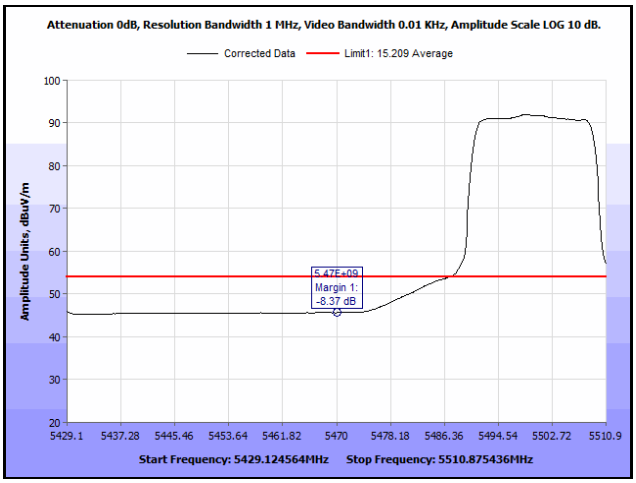
Radiated Band Edge, 802.11n 20 MHz, 2SS



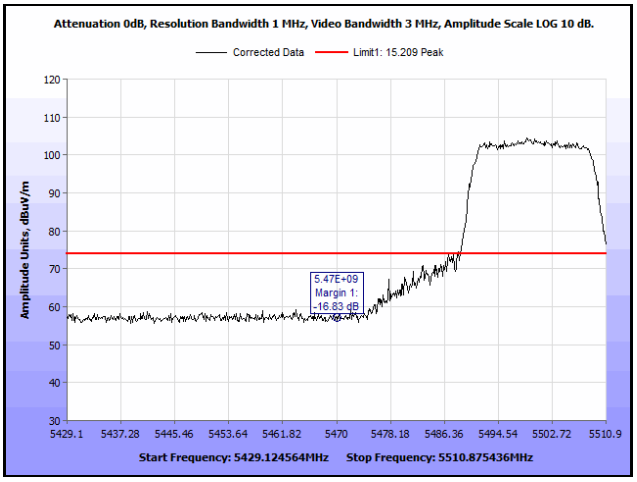
Plot 994. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5350 MHz, Average



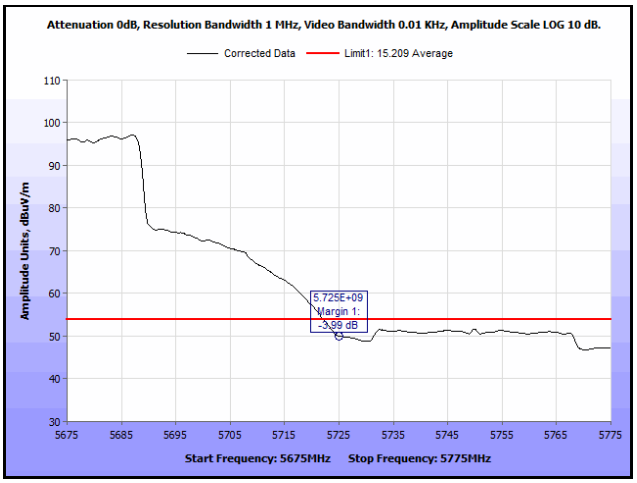
Plot 995. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5350 MHz, Peak



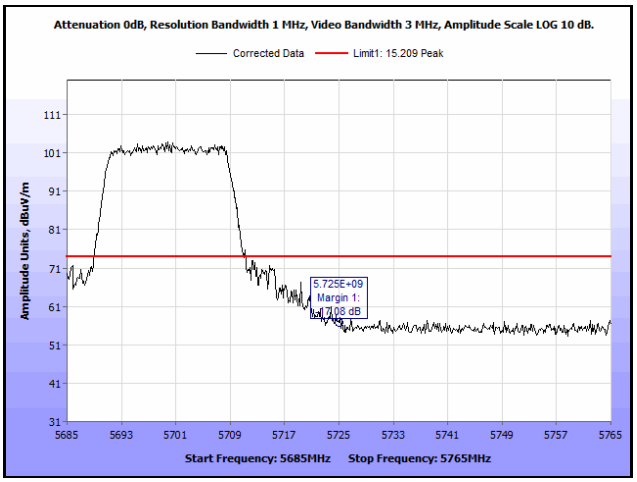
Plot 996. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5470 MHz, Average



Plot 997. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5470 MHz, Peak

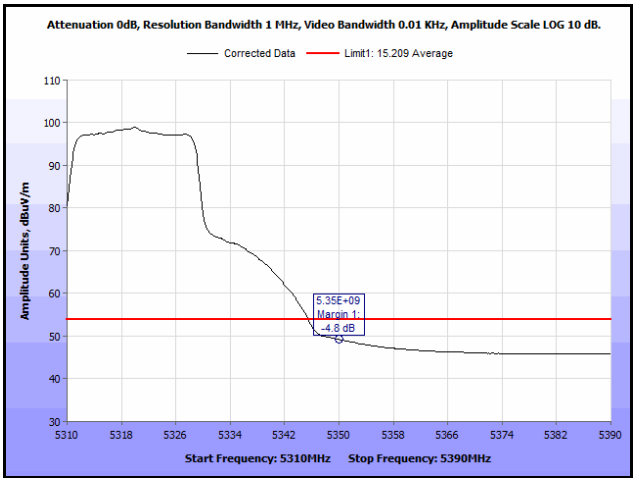


Plot 998. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5725 MHz, Average

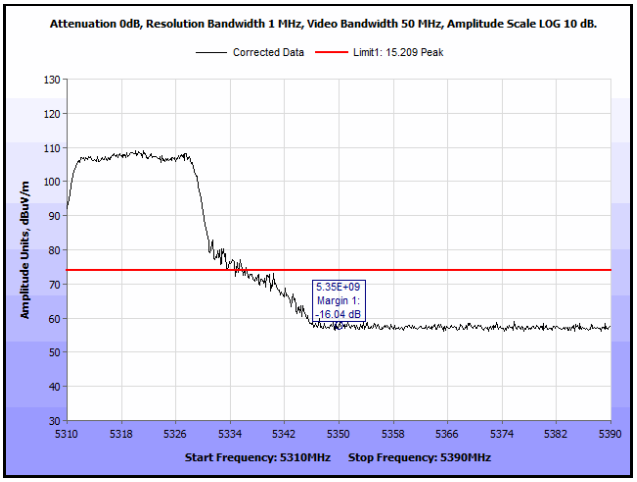


Plot 999. Radiated Band Edge, 802.11n 20 MHz, 2SS, 5725 MHz, Peak

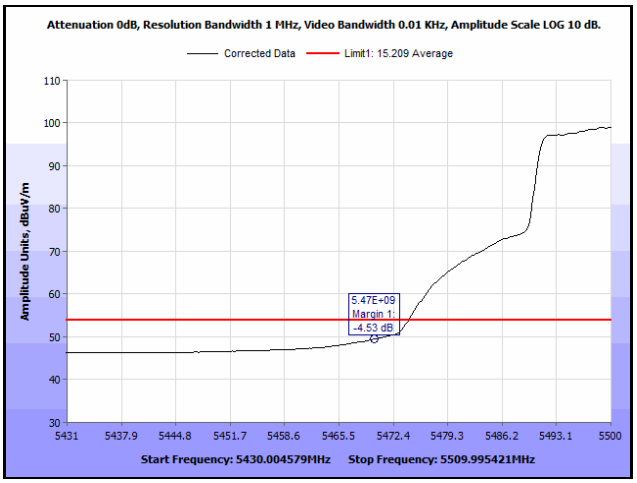
Radiated Band Edge, 802.11n 20 MHz, 3SS



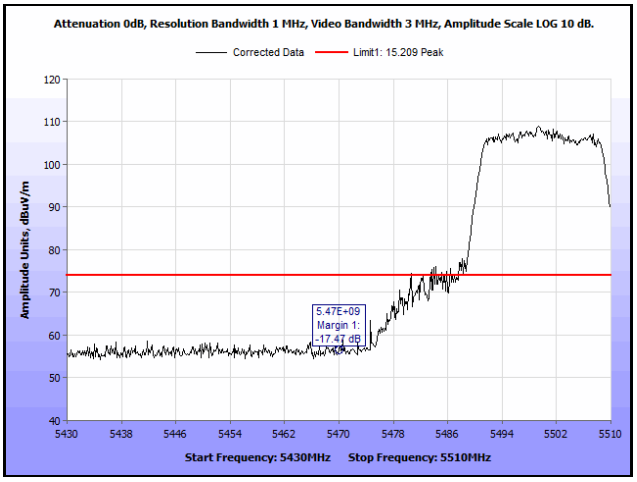
Plot 1000. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5350 MHz, Average



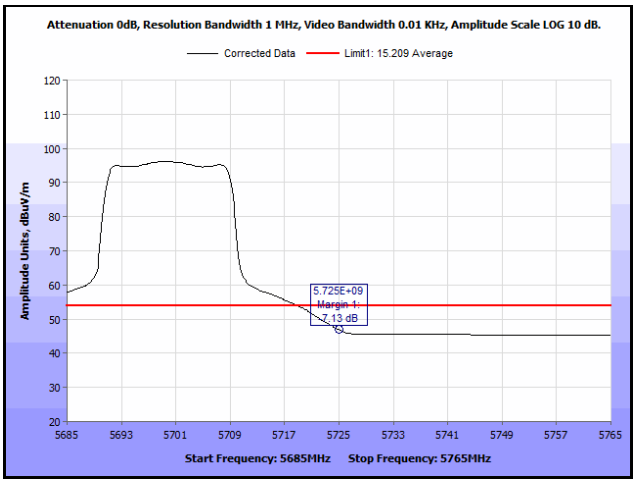
Plot 1001. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5350 MHz, Peak



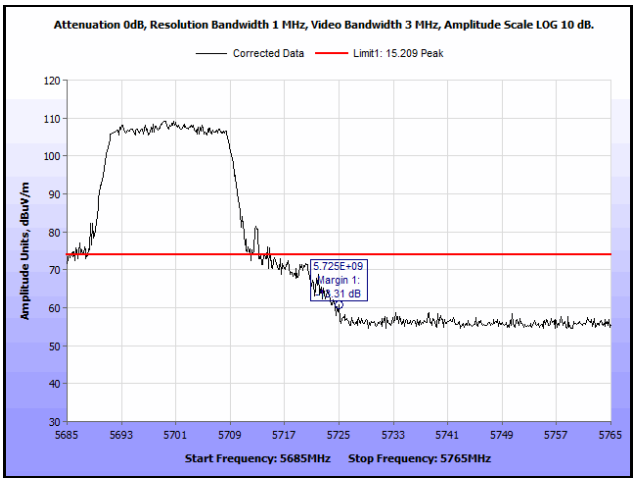
Plot 1002. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5470 MHz, Average



Plot 1003. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5470 MHz, Peak

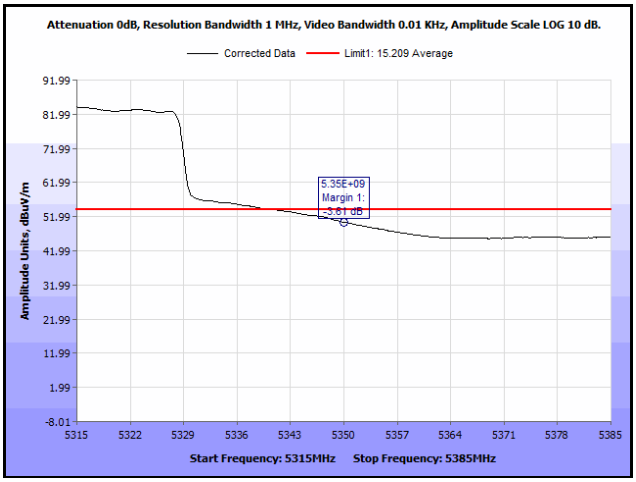


Plot 1004. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5725 MHz, Average

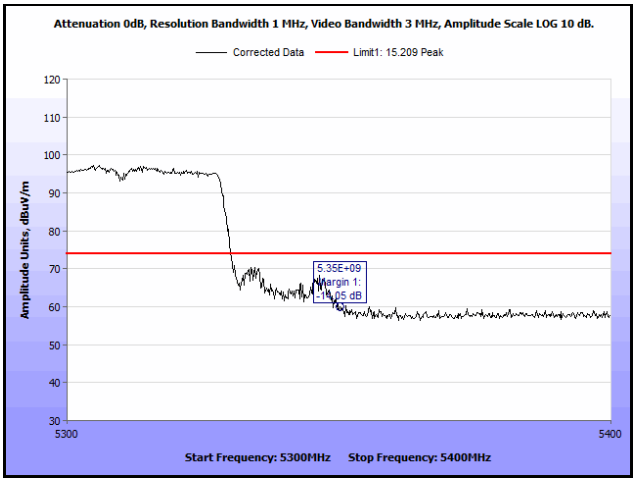


Plot 1005. Radiated Band Edge, 802.11n 20 MHz, 3SS, 5725 MHz, Peak

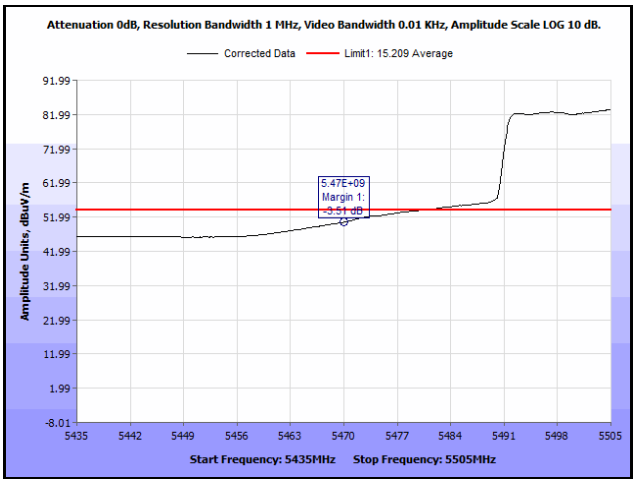
Radiated Band Edge, 802.11n 40 MHz, 1SS



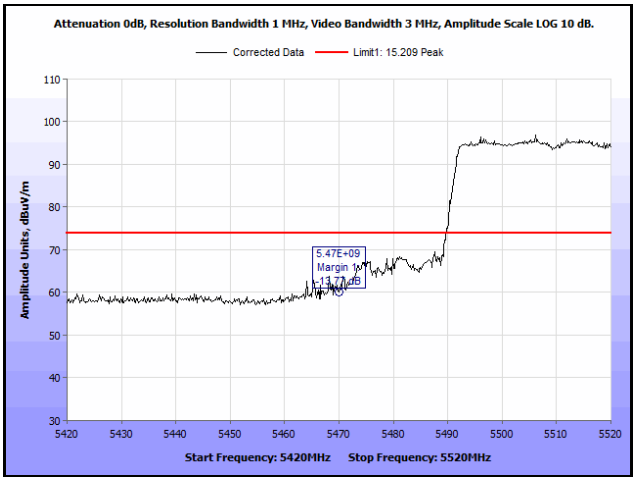
Plot 1006. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5350 MHz, Average



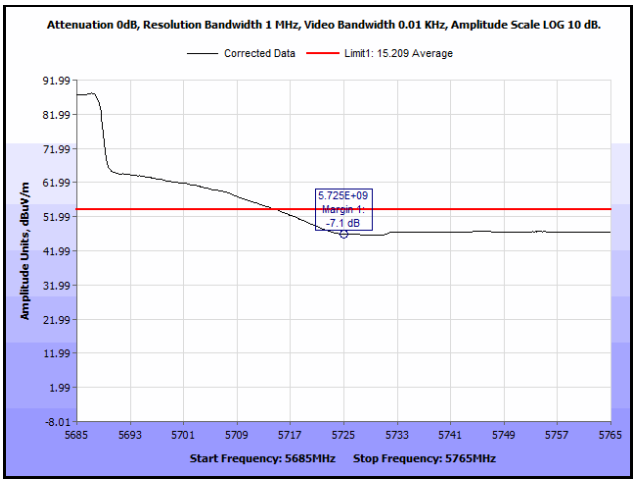
Plot 1007. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5350 MHz, Peak



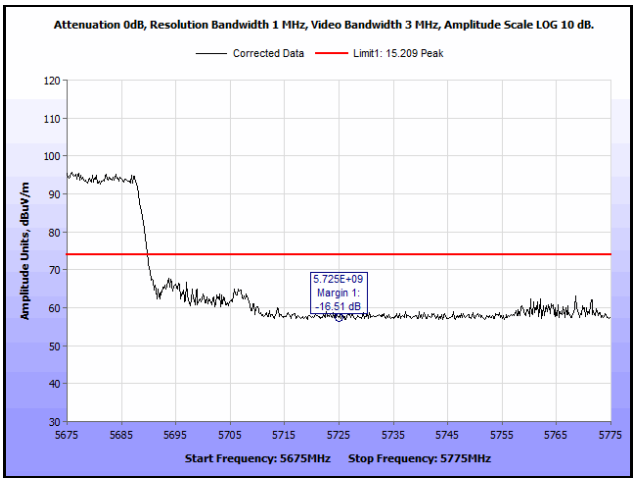
Plot 1008. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5470 MHz, Average



Plot 1009. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5470 MHz, Peak

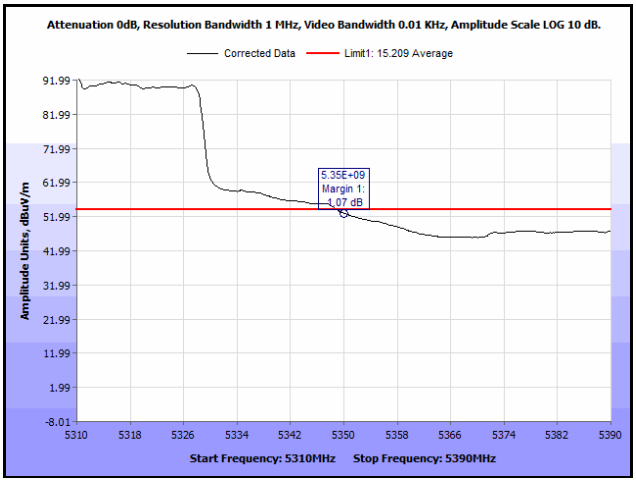


Plot 1010. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5725 MHz, Average

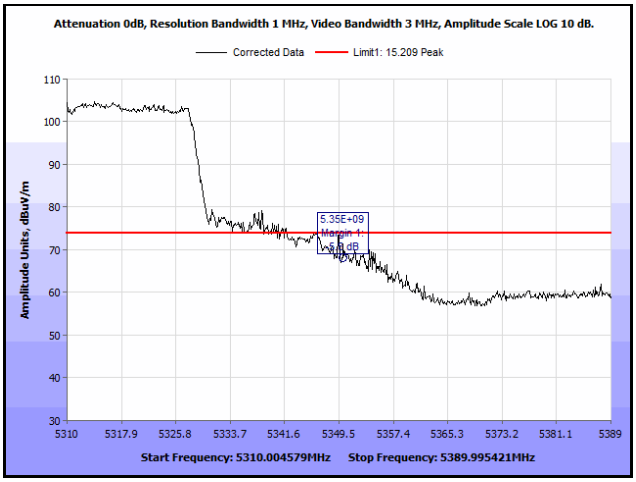


Plot 1011. Radiated Band Edge, 802.11n 40 MHz, 1SS, 5725 MHz, Peak

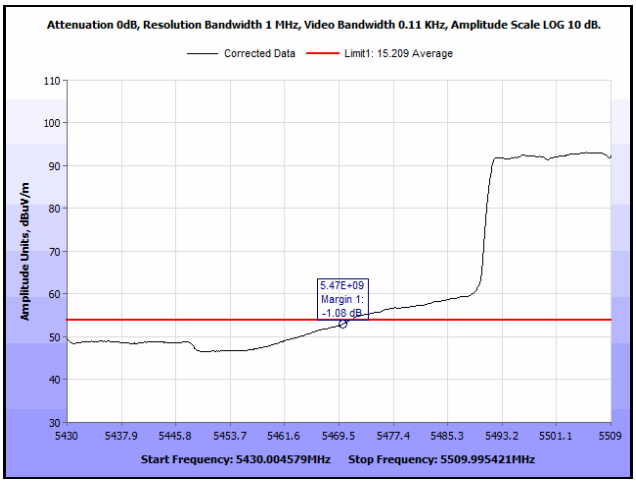
Radiated Band Edge, 802.11n 40 MHz, 2SS



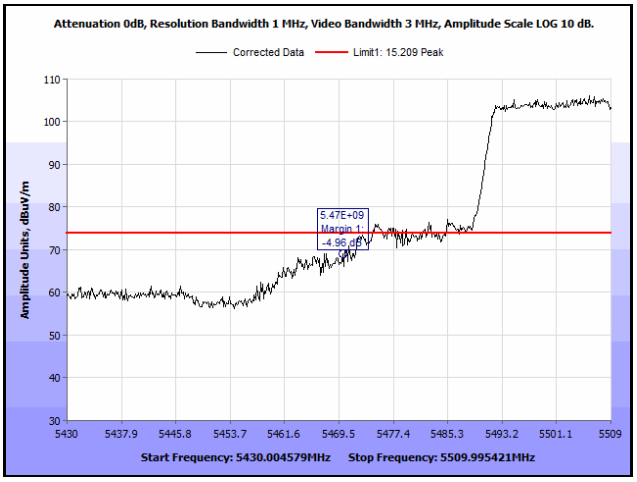
Plot 1012. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5350 MHz, Average



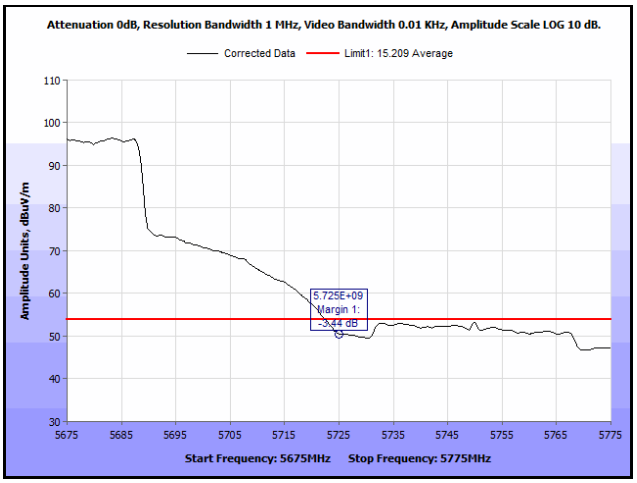
Plot 1013. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5350 MHz, Peak



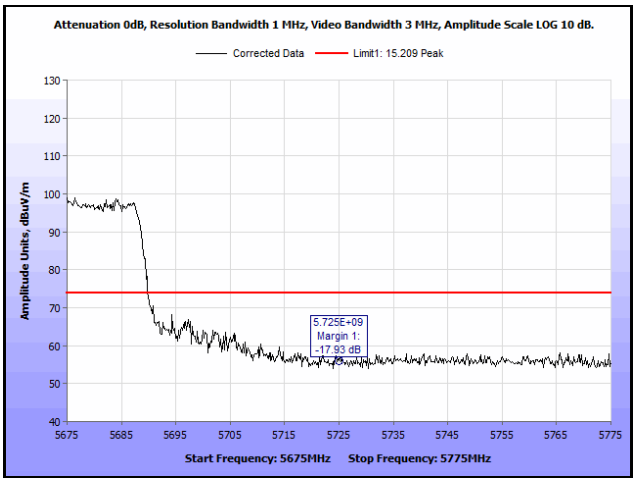
Plot 1014. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5470 MHz, Average



Plot 1015. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5470 MHz, Peak

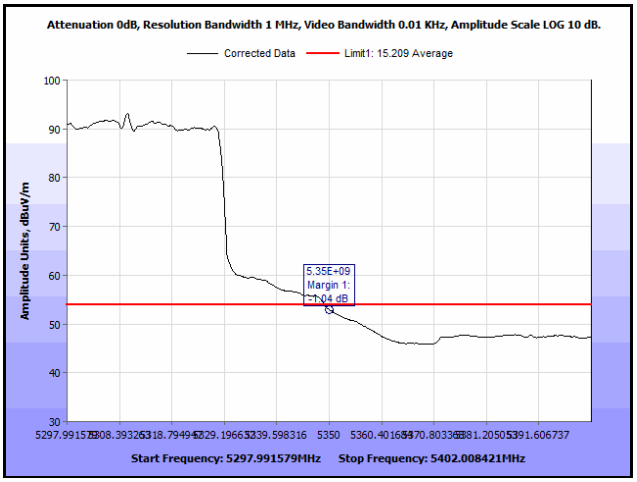


Plot 1016. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5725 MHz, Average

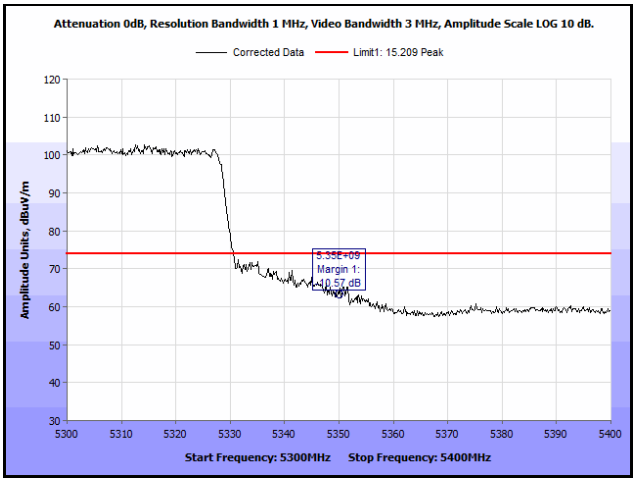


Plot 1017. Radiated Band Edge, 802.11n 40 MHz, 2SS, 5725 MHz, Peak

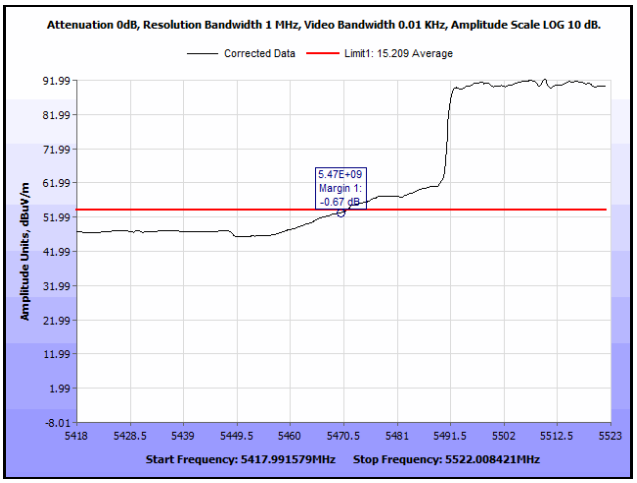
Radiated Band Edge, 802.11n 40 MHz, 3SS



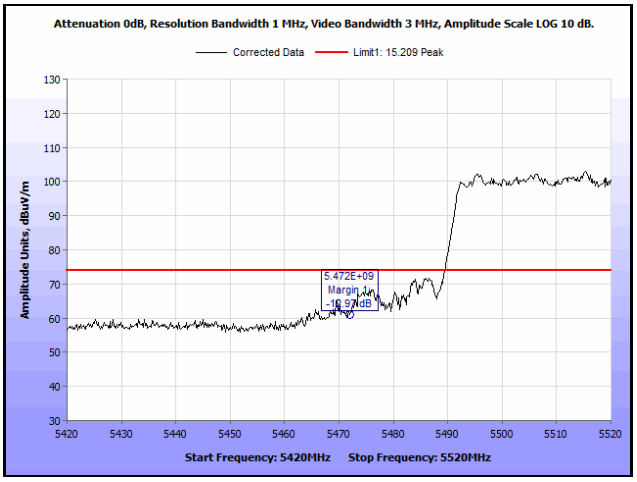
Plot 1018. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5350 MHz, Average



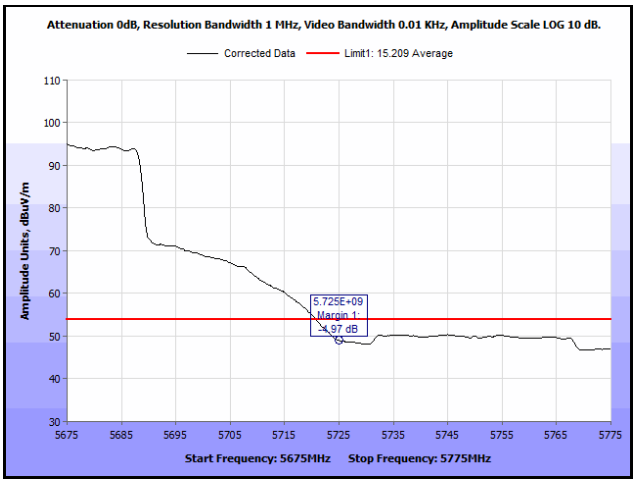
Plot 1019. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5350 MHz, Peak



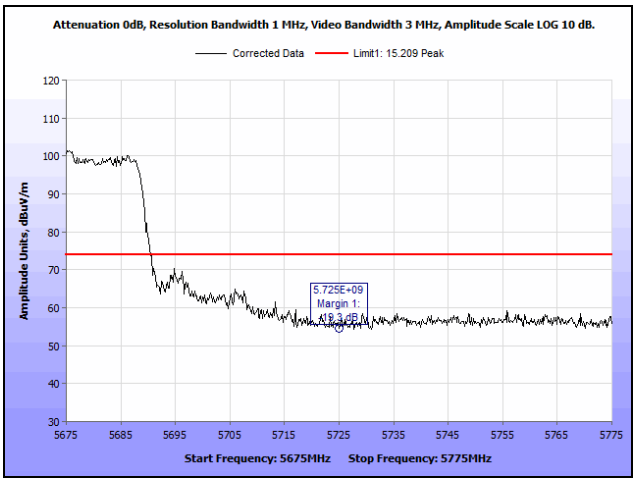
Plot 1020. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5470 MHz, Average



Plot 1021. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5470 MHz, Peak



Plot 1022. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5725 MHz, Average



Plot 1023. Radiated Band Edge, 802.11n 40 MHz, 3SS, 5725 MHz, Peak

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.407(b)(6) Conducted Emissions

Test Requirement(s): **§ 15.407 (b)(6):** Any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

§ 15.207 (a): For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 Σ line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency range (MHz)	§ 15.207(a), Conducted Limit (dBμV)	
	Quasi-Peak	Average
* 0.15- 0.45	66 – 56	56 - 46
0.45 - 0.5	56	46
0.5 - 30	60	50

Table 37. Conducted Limits for Intentional Radiators from FCC Part 15 § 15.207(a)

Test Results: The EUT was not applicable with requirements of this section. EUT is battery operated.

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.407(f) Maximum Permissible Exposure

Test Requirement(s): **§15.407(f):** U-NII devices are subject to the radio frequency radiation exposure requirements specified in §1.1307(b), §2.1091 and §2.1093 of this chapter, as appropriate. All equipment shall be considered to operate in a "general population/uncontrolled" environment.

RF Exposure Requirements: **§1.1307(b)(1) and §1.1307(b)(2):** Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

RF Radiation Exposure Limit: **§1.1310:** As specified in this section, the Maximum Permissible Exposure (MPE) Limit shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in Sec. 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of Sec. 2.1093 of this chapter.

MPE Limit: EUT's operating frequencies @ 5250-5350 MHz and 5470 – 5725 MHz; **Limit for Uncontrolled exposure: 1 mW/cm^2 or 10 W/m^2**

Equation from page 18 of OET 65, Edition 97-01

$S = PG / 4\pi R^2$ or $R = \sqrt{(PG / 4\pi S)}$

where, S = Power Density (mW/cm^2)
P = Power Input to antenna (mW)
G = Antenna Gain (numeric value)
R = Distance (cm)

Test Results:

FCC									
Frequency (MHz)	**Con. Pwr. (dBm)**	**Con. Pwr. (mW)**	**Ant. Gain (dBi)**	**Ant. Gain numeric**	**Pwr. Density (mW/cm^2)**	**Limit (mW/cm^2)**	**Margin**	**Distance (cm)**	**Result**
5720	21.28	134.276	8.8	7.586	0.20264	1	0.79736	20	Pass

The safe distance where Power Density is less than the MPE Limit listed above was found to be 20 cm.

IV. DFS Requirements and Radar Waveform Description & Calibration

A. DFS Requirements

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 38. Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

Table 39. Applicability of DFS Requirements During Normal Operation

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 40. DFS Detection Thresholds for Master or Client Devices Incorporating DFS

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. **Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 41. DFS Response Requirement Values

B. Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

A minimum of 30 unique waveforms are required for each of the short pulse radar types 2 through 4. If more than 30 waveforms are used for short pulse radar types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 42. Pulse Repetition Intervals Values for Test A

Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Bursts	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

Each waveform is defined as follows:

1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst_Count.
3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5) Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst_Count. Each interval is of length (12,000,000 / Burst_Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst_Count) – (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

A representative example of a Long Pulse radar test waveform:

1) The total test signal length is 12 seconds.
2) 8 Bursts are randomly generated for the Burst_Count.
3) Burst 1 has 2 randomly generated pulses.
4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
5) The PRI is randomly selected to be at 1213 microseconds.
6) Bursts 2 through 8 are generated using steps 3 – 5.
7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

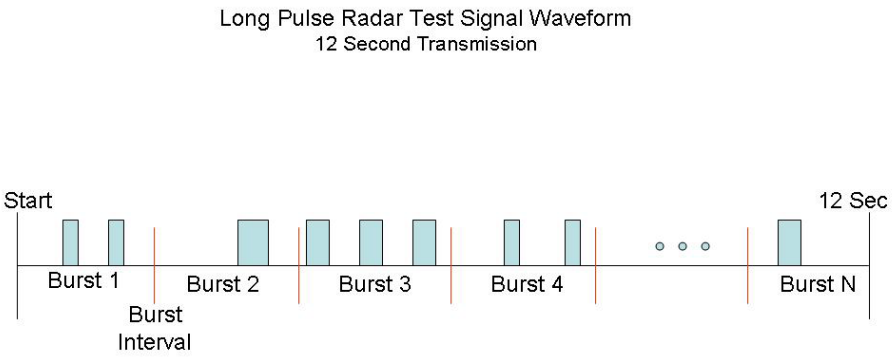


Figure 2. Long Pulse Radar Test Signal Waveform

Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	.333	300	70%	30

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected1 from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

C. Radar Waveform Calibration

Calibration of the DFS test was done using a radiated method. A signal generator capable of producing all radar pulse types (0-6) was connected to a transmitting antenna. A receive antenna, through an external pre-amp was connected to a spectrum analyzer. The spectrum analyzer was set to a zero span with a peak detector and an RBW and VBW of 3 MHz. The transmit and receive antennas were vertically polarized during this calibration.

With the signal generator and spectrum analyzer tuned to the test frequency, each radar pulse was triggered and observed on the spectrum analyzer. The DFS Detection Threshold was verified for each radar pulse type (0-6).

During this process there were no transmissions by either the Master or Client Device.

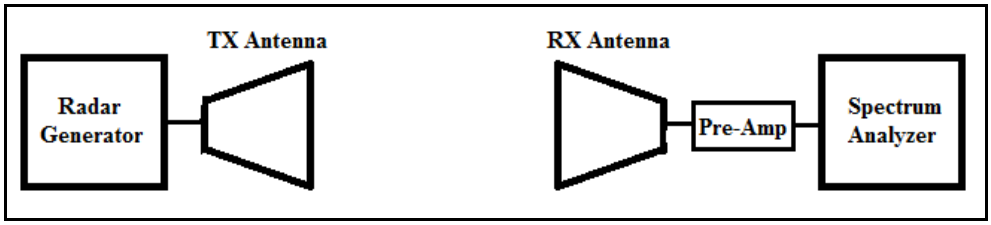
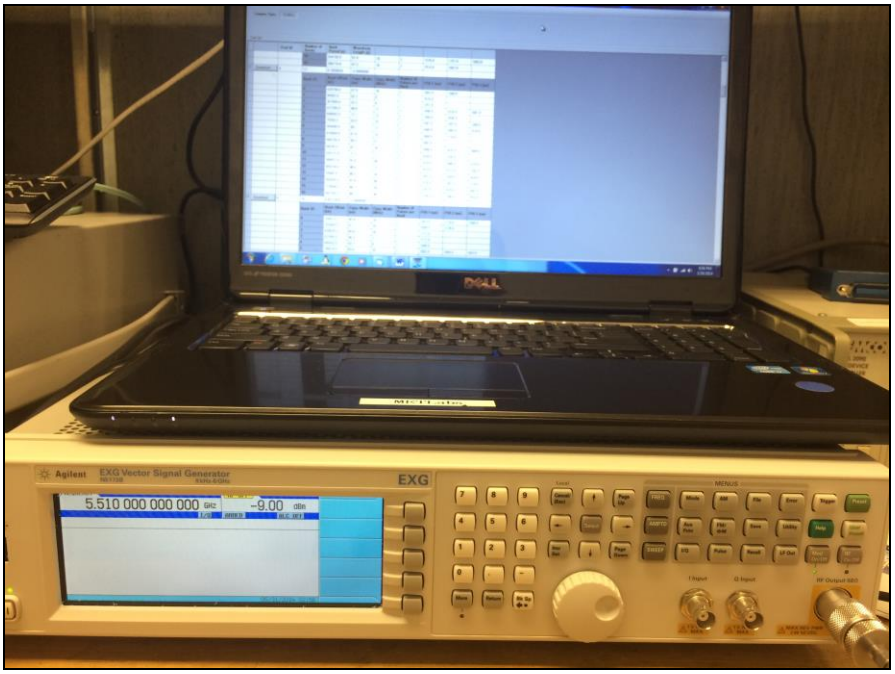
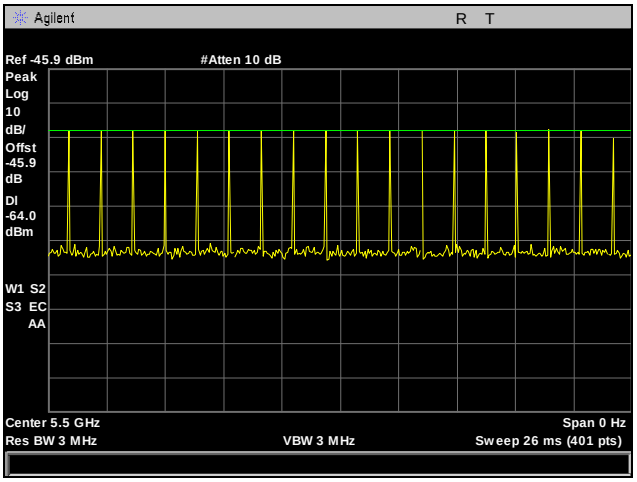


Figure 3. Radiated DFS Calibration Block Diagram

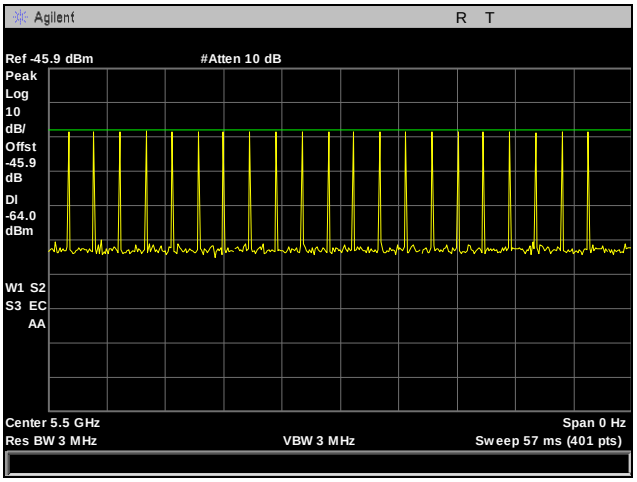


Photograph 1. DFS Radar Test Signal Generator

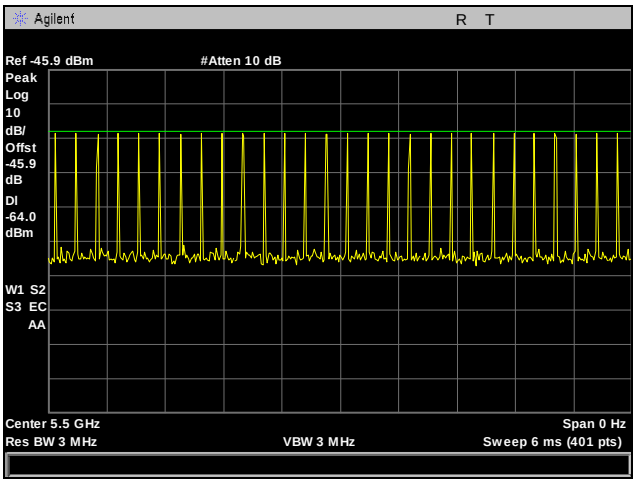
Radar Waveform Calibration



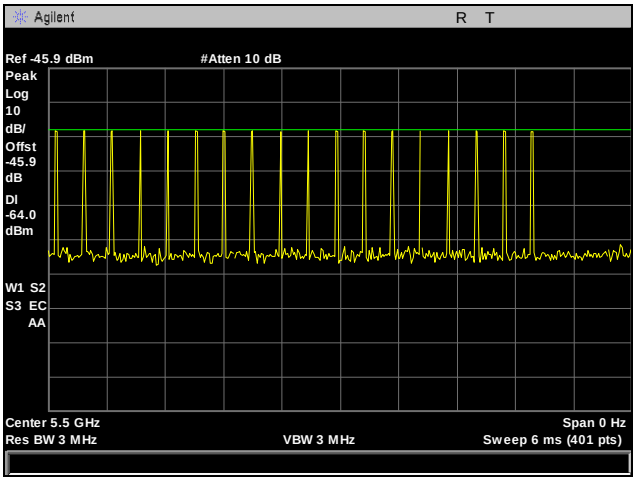
Plot 1024. Radar Waveform Calibration, Type 0, 5500 MHz



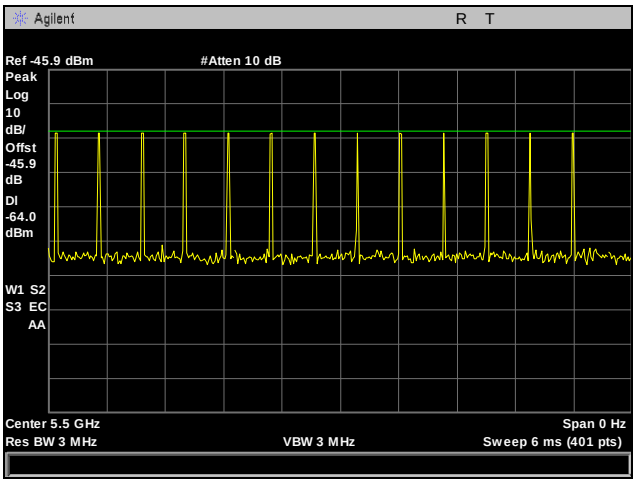
Plot 1025. Radar Waveform Calibration, Type 1, 5500 MHz



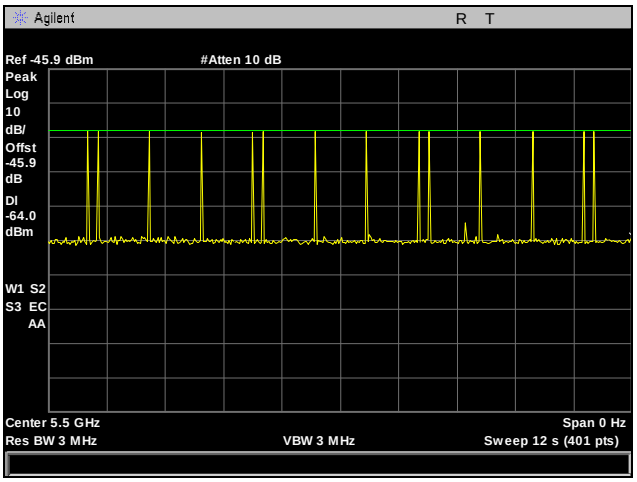
Plot 1026. Radar Waveform Calibration, Type 2, 5500 MHz



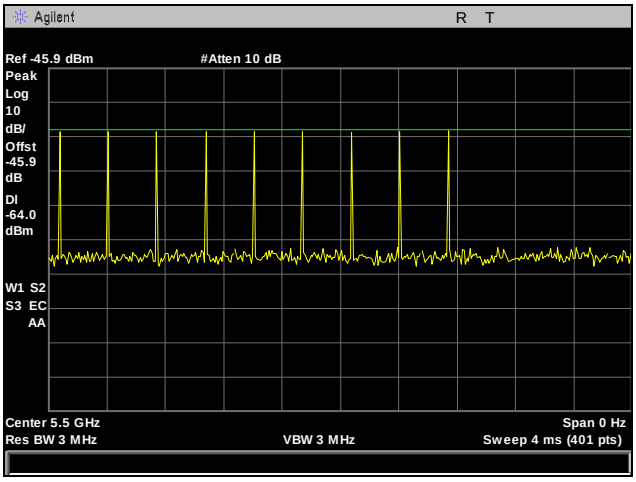
Plot 1027. Radar Waveform Calibration, Type 3, 5500 MHz



Plot 1028. Radar Waveform Calibration, Type 4, 5500 MHz



Plot 1029. Radar Waveform Calibration, Type 5, 5500 MHz



Plot 1030. Radar Waveform Calibration, Type 6, 5500 MHz

V. DFS Test Procedure and Test Results

A. DFS Test Setup

1. A spectrum analyzer is used as a monitor to verify that the Unit Under Test (EUT) has vacated the Channel within the Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and subsequent Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.
2. The test setup, which consists of test equipment and equipment under test (EUT), is diagrammed in Figure 4.

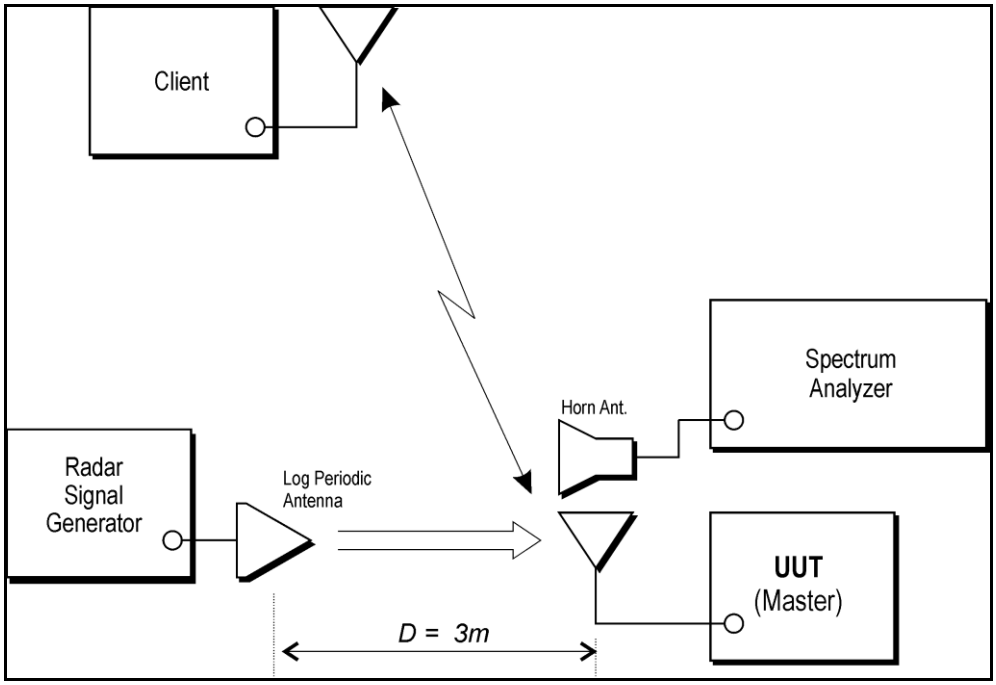


Figure 4. Test Setup Diagram

B. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time, and Non-Occupancy Period

Test Requirements: **§15.407(h)(2)(iii)** Channel Move Time. After a radar's presence is detected, all transmissions shall cease on the operating channel within 10 seconds. Transmissions during this period shall consist of normal traffic for a maximum of 200 ms after detection of the radar signal. In addition, intermittent management and control signals can be sent during the remaining time to facilitate vacating the operating channel.

§15.407(h)(2)(iv) Non-occupancy Period. A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.

KDB 905462 §5.1 Test using widest BW mode available.

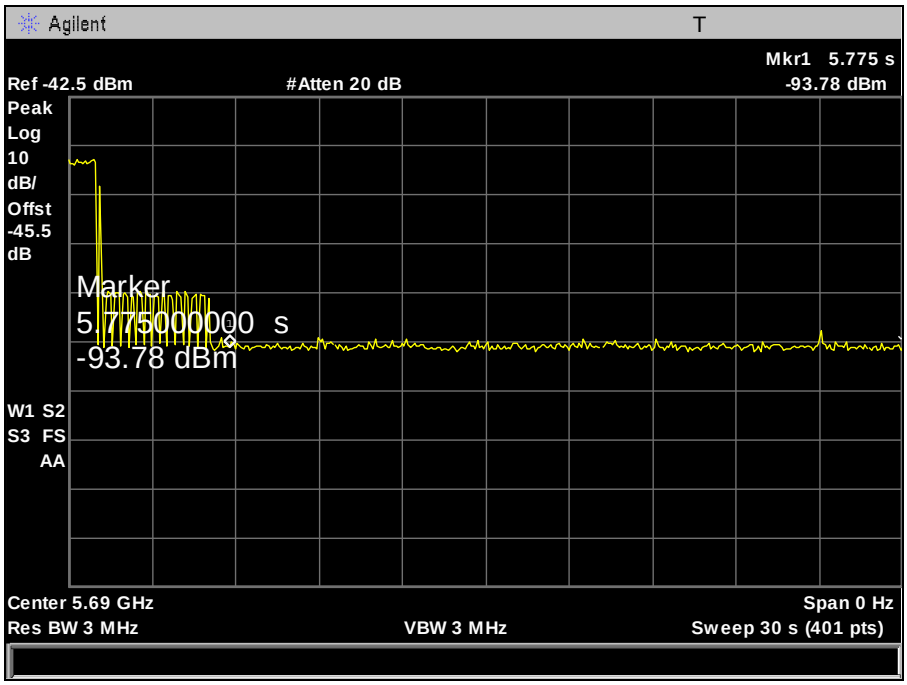
Test Procedure: The EUT was setup as a Client device and associated with a Master device. A test file was streamed from the Master device to the Client device for the entire period of the test. A Radar Burst of type 0 with a level equal to the DFS Detection Threshold + 1 dB was used.

A radar pulse was generated while the EUT was transmitting. A spectrum analyzer set to a zero span was used to observe the transmission of the EUT at the end of the burst.

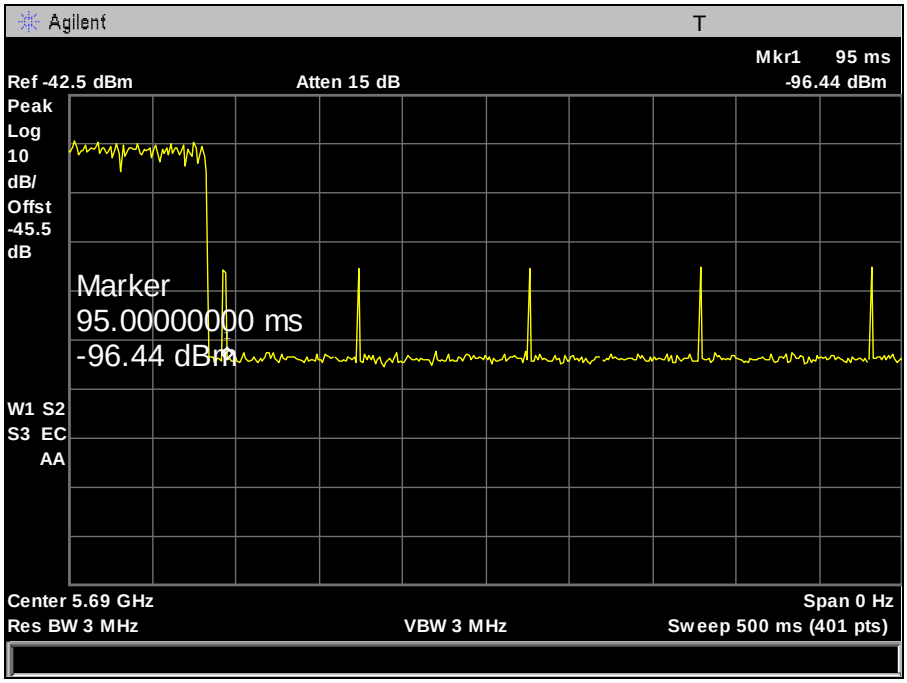
Test Results: The EUT was compliant with the requirements of this section.

Test Engineer(s): Djed Mouada

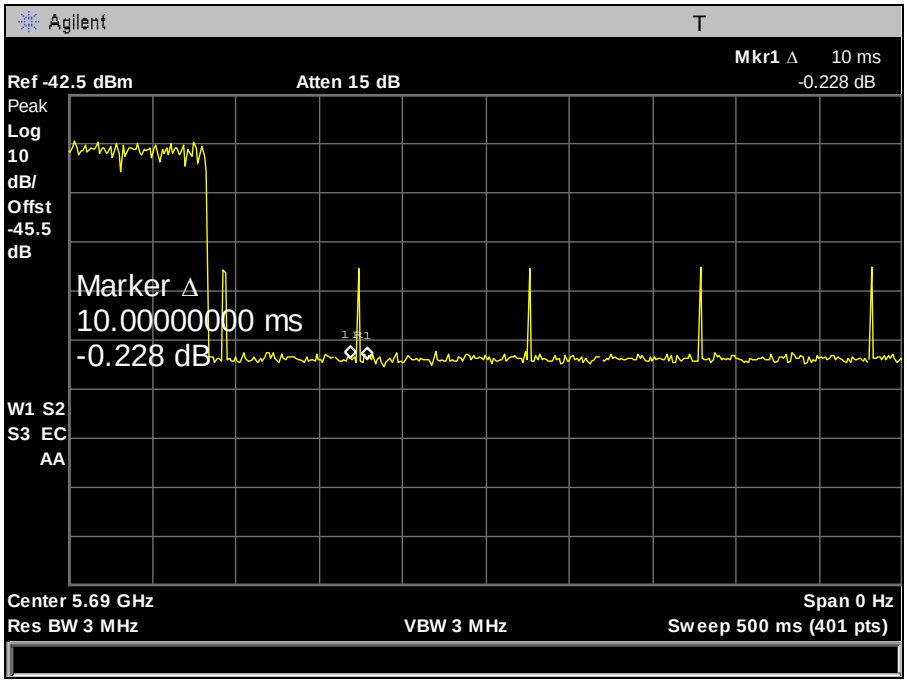
Test Date(s): 07/19/16



Plot 1031. Channel Move Time



Plot 1032. Channel Close Time (1)



Plot 1032. Channel Close Time (2)

VI. Test Equipment

Test Equipment

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2005.

MET Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1T6658	SPECTRUM ANALYZER	AGILENT	E4407B	12/09/2015	12/09/2016
1T4497	SIGNAL GENERATOR	AGILENT TECHNOLOGIES	E4432B	10/06/2014	04/06/2016
1T4483	ANTENNA; HORN	ETS-LINDGREN	3117	10/08/2015	04/08/2017
1T4771	PSA SPECTRUM ANALYZER	AGILENT TECHNOLOGIES	E4446A	11/25/2014	05/25/2016
1T4300B	SEMI-ANECHOIC 3M CHAMBER # 1 D (2043A-1) (IC)	EMC TEST SYSTEMS	NONE	01/11/2015	01/11/2018
1T4409	EMI RECEIVER	ROHDE & SCHWARZ	ESIB7	10/29/2014	10/29/2016
1T4751	ANTENNA - BILOG	SUNOL SCIENCES	JB6	2/26/2016	8/26/2017
331T4442	PRE-AMPLIFIER, MICROWAVE	MITEQ	AFS42-01001800-30-10P	SEE NOTE	

Table 43. Test Equipment List

Note: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.

VII. Certification & User's Manual Information

Certification & User's Manual Information

L. Certification Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 2, Subpart I — Marketing of Radio frequency devices:

§ 2.801 Radio-frequency device defined.

As used in this part, a radio-frequency device is any device which in its operation is capable of Emitting radio-frequency energy by radiation, conduction, or other means. Radio- frequency devices include, but are not limited to:

(a) The various types of radio communication transmitting devices described throughout this chapter.

(b) The incidental, unintentional and intentional radiators defined in Part 15 of this chapter.

(c) The industrial, scientific, and medical equipment described in Part 18 of this chapter.

(d) Any part or component thereof which in use emits radio-frequency energy by radiation, conduction, or other means.

§ 2.803 Marketing of radio frequency devices prior to equipment authorization.

(a) Except as provided elsewhere in this chapter, no person shall sell or lease, or offer for sale or lease (including advertising for sale or lease), or import, ship or distribute for the purpose of selling or leasing or offering for sale or lease, any radio frequency device unless:

(1) In the case of a device subject to certification, such device has been authorized by the Commission in accordance with the rules in this chapter and is properly identified and labeled as required by §2.925 and other relevant sections in this chapter; or

(2) In the case of a device that is not required to have a grant of equipment authorization issued by the Commission, but which must comply with the specified technical standards prior to use, such device also complies with all applicable administrative (including verification of the equipment or authorization under a Declaration of Conformity, where required), technical, labeling and identification requirements specified in this chapter.

(d) Notwithstanding the provisions of paragraph (a) of this section, the offer for sale solely to business, commercial, industrial, scientific or medical users (but not an offer for sale to other parties or to end users located in a residential environment) of a radio frequency device that is in the conceptual, developmental, design or pre-production stage is permitted prior to equipment authorization or, for devices not subject to the equipment authorization requirements, prior to a determination of compliance with the applicable technical requirements *provided* that the prospective buyer is advised in writing at the time of the offer for sale that the equipment is subject to the FCC rules and that the equipment will comply with the appropriate rules before delivery to the buyer or to centers of distribution.

(e)(1) Notwithstanding the provisions of paragraph (a) of this section, prior to equipment authorization or determination of compliance with the applicable technical requirements any radio frequency device may be operated, but not marketed, for the following purposes and under the following conditions:

(i) Compliance testing;

(ii) Demonstrations at a trade show provided the notice contained in paragraph (c) of this section is displayed in a conspicuous location on, or immediately adjacent to, the device;

(iii) Demonstrations at an exhibition conducted at a business, commercial, industrial, scientific or medical location, but excluding locations in a residential environment, provided the notice contained in paragraphs (c) or (d) of this section, as appropriate, is displayed in a conspicuous location on, or immediately adjacent to, the device;

(iv) Evaluation of product performance and determination of customer acceptability, provided such operation takes place at the manufacturer's facilities during developmental, design or pre-production states; or

(v) Evaluation of product performance and determination of customer acceptability where customer acceptability of a radio frequency device cannot be determined at the manufacturer's facilities because of size or unique capability of the device, provided the device is operated at a business, commercial, industrial, scientific or medical user's site, but not at a residential site, during the development, design or pre-production stages.

(e)(2) For the purpose of paragraphs (e)(1)(iv) and (e)(1)(v) of this section, the term *manufacturer's facilities* includes the facilities of the party responsible for compliance with the regulations and the manufacturer's premises, as well as the facilities of other entities working under the authorization of the responsible party in connection with the development and manufacture, but not the marketing, of the equipment.

(f) For radio frequency devices subject to verification and sold solely to business, commercial, industrial, scientific and medical users (excluding products sold to other parties or for operation in a residential environment), parties responsible for verification of the devices shall have the option of ensuring compliance with the applicable technical specifications of this chapter at each end user's location after installation, provided that the purchase or lease agreement includes a proviso that such a determination of compliance be made and is the responsibility of the party responsible for verification of the equipment.

Certification & User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 2, Subpart J — Equipment Authorization Procedures:

§ 2.901 Basis and Purpose

(a) In order to carry out its responsibilities under the Communications Act and the various treaties and international regulations, and in order to promote efficient use of the radio spectrum, the Commission has developed technical standards for radio frequency equipment and parts or components thereof. The technical standards applicable to individual types of equipment are found in that part of the rules governing the service wherein the equipment is to be operated.[1] *In addition to the technical standards provided, the rules governing the service may require that such equipment be verified by the manufacturer or importer*, be authorized under a Declaration of Conformity, or receive an equipment authorization from the Commission by one of the following procedures: certification or registration.

(b) The following sections describe the verification procedure, the procedure for a Declaration of Conformity, and the procedures to be followed in obtaining certification from the Commission and the conditions attendant to such a grant.

§ 2.907 Certification.

(a) Certification is an equipment authorization issued by the Commission, based on representation and test data submitted by the applicant.

(b) Certification attaches to all units subsequently marketed by the grantee which are identical (see Section 2.908) to the sample tested except for permissive changes or other variations authorized by the Commission pursuant to Section 2.1043.

[1] In this case, the equipment is subject to the rules of Part 15. More specifically, the equipment falls under Subpart B (of Part 15), which deals with unintentional radiators.

Certification & User's Manual Information

§ 2.948 Description of measurement facilities.

(a) Each party making measurements of equipment that is subject to an equipment authorization under Part 15 or Part 18 of this chapter, regardless of whether the measurements are filed with the Commission or kept on file by the party responsible for compliance of equipment marketed within the U.S. or its possessions, shall compile a description of the measurement facilities employed.

(1) If the measured equipment is subject to the verification procedure, the description of the measurement facilities shall be retained by the party responsible for verification of the equipment.

(i) If the equipment is verified through measurements performed by an independent laboratory, it is acceptable for the party responsible for verification of the equipment to rely upon the description of the measurement facilities retained by or placed on file with the Commission by that laboratory. In this situation, the party responsible for the verification of the equipment is not required to retain a duplicate copy of the description of the measurement facilities.

(ii) If the equipment is verified based on measurements performed at the installation site of the equipment, no specific site calibration data is required. It is acceptable to retain the description of the measurement facilities at the site at which the measurements were performed.

(2) If the equipment is to be authorized by the Commission under the certification procedure, the description of the measurement facilities shall be filed with the Commission's Laboratory in Columbia, Maryland. The data describing the measurement facilities need only be filed once but must be updated as changes are made to the measurement facilities or as otherwise described in this section. At least every three years, the organization responsible for filing the data with the Commission shall certify that the data on file is current.

Certification & User's Manual Information

Label and User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 15, Subpart A — General:

§ 15.19 Labeling requirements.

(a) In addition to the requirements in Part 2 of this chapter, a device subject to certification or verification shall be labeled as follows:

(1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under Part 73 of this chapter, land mobile operation under Part 90, etc., shall bear the following statement in a conspicuous location on the device:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

(2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:

This device is verified to comply with Part 15 of the FCC Rules for use with cable television service.

(3) All other devices shall bear the following statement in a conspicuous location on the device:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

(4) Where a device is constructed in two or more sections connected by wires and marketed together, the statement specified under paragraph (a) of this section is required to be affixed only to the main control unit.

(5) When the device is so small or for such use that it is not practicable to place the statement specified under paragraph (a) of this section on it, the information required by this paragraph shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user or, alternatively, shall be placed on the container in which the device is marketed. However, the FCC identifier or the unique identifier, as appropriate, must be displayed on the device.

§ 15.21 Information to user.

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Verification & User's Manual Information

The following is extracted from Title 47 of the Code of Federal Regulations, Part 15, Subpart B — Unintentional Radiators:

§ 15.105 Information to the user.

(a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

End of Report

