9. Power Output

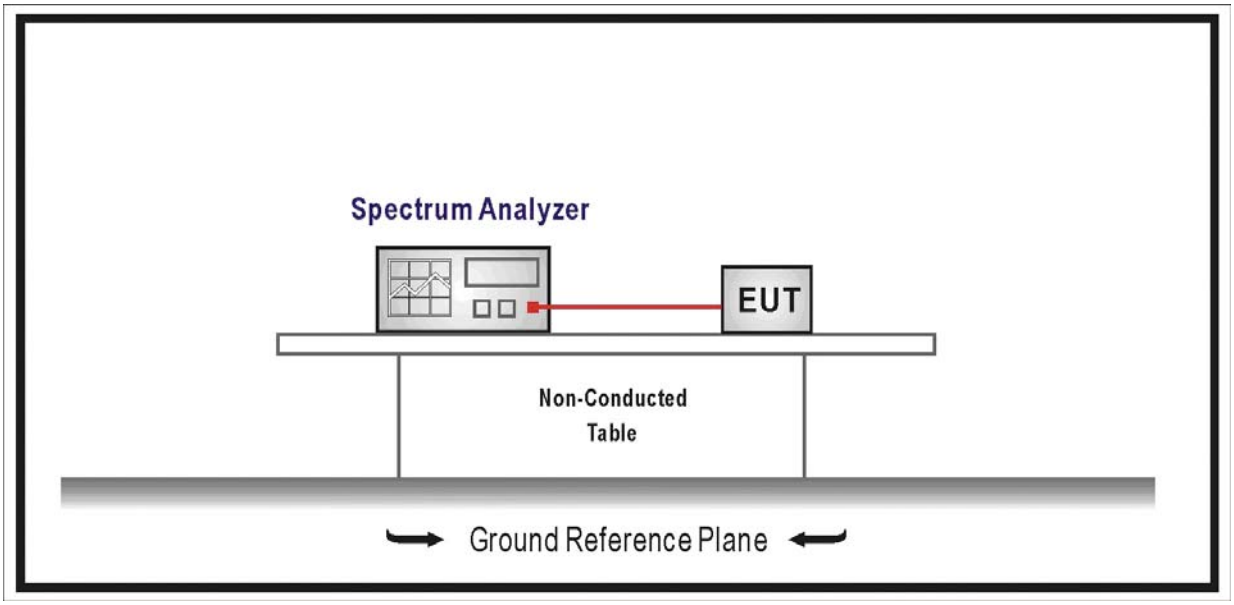
9.1. Test Equipment

Power Output / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

9.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Power output measurement allowed per Section 15.247(b)(3).
In the following, “T” is the transmission pulse duration over which the transmitter is on and transmitting at its maximum power control level. Measurements are performed with a spectrum analyzer. Three methods are provided to accommodate measurement limitations of the spectrum analyzer depending on signal parameters. Set resolution bandwidth (RBW) = 1 MHz. Set span to encompass the entire emission bandwidth (EBW) of the signal. Use automatic setting for analyzer sweep time.

As “T” ≧ sweep time, the test procedure will be used as following:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW ≧ 3 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) < 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to “free run”.
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer’s band power measurement function with band limits set equal to the EBW band edges or by summing power levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

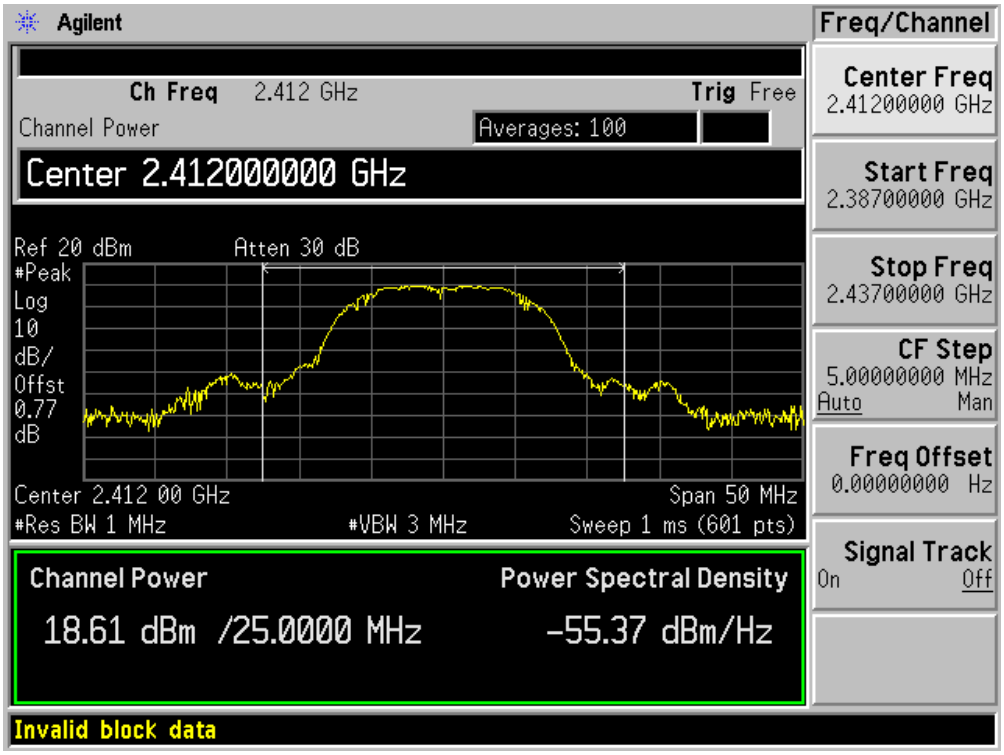
9.6. Test Result

Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain A)

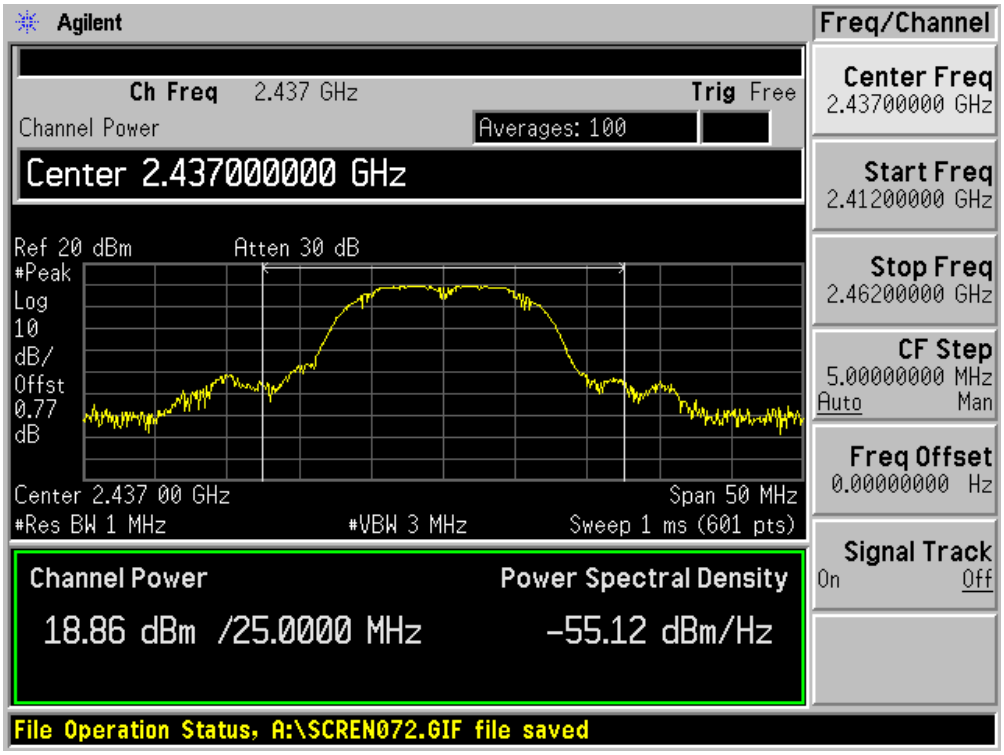
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	18.61	N/A	N/A	18.61	30.00	Pass
6	2437	18.86	N/A	N/A	18.86	30.00	Pass
11	2462	18.53	N/A	N/A	18.53	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

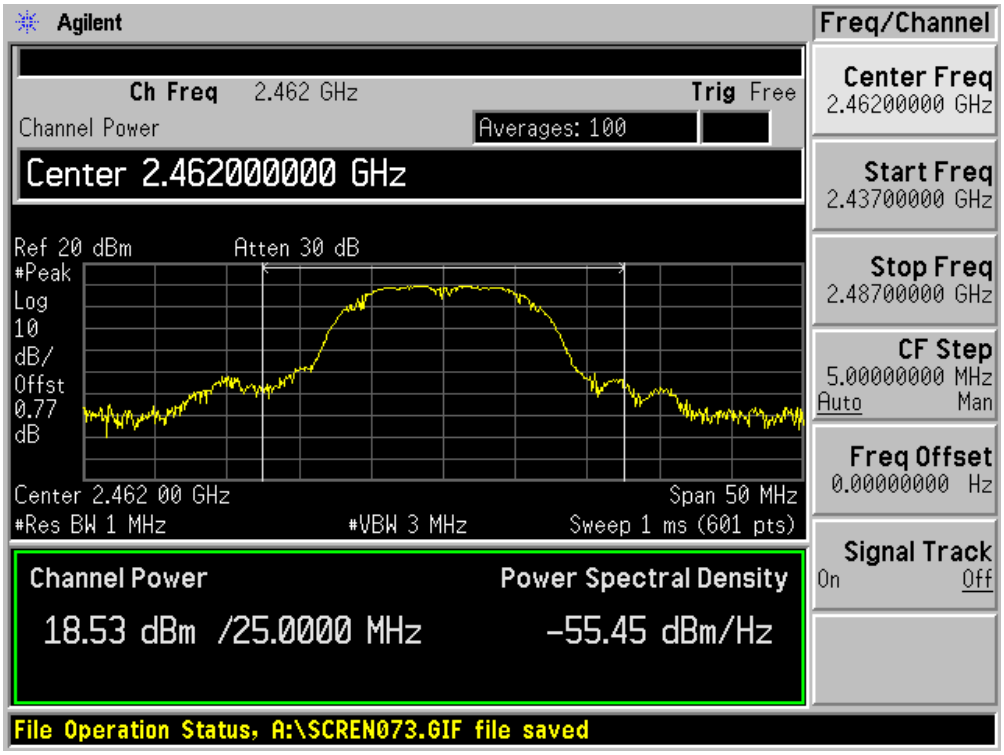
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

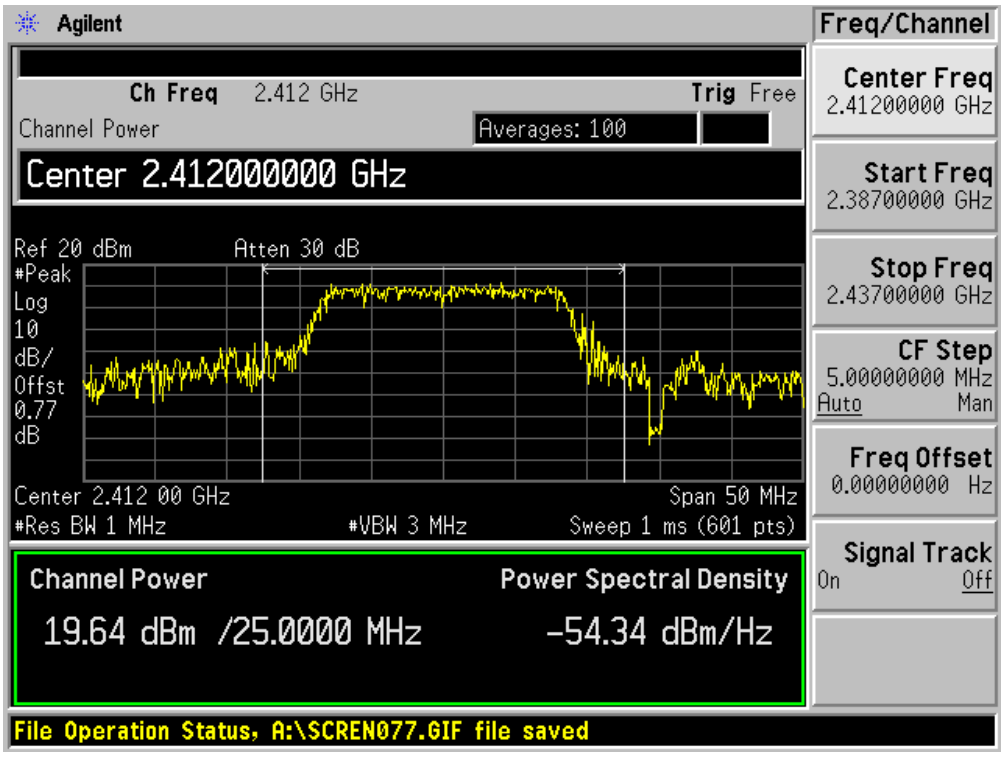


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain A)

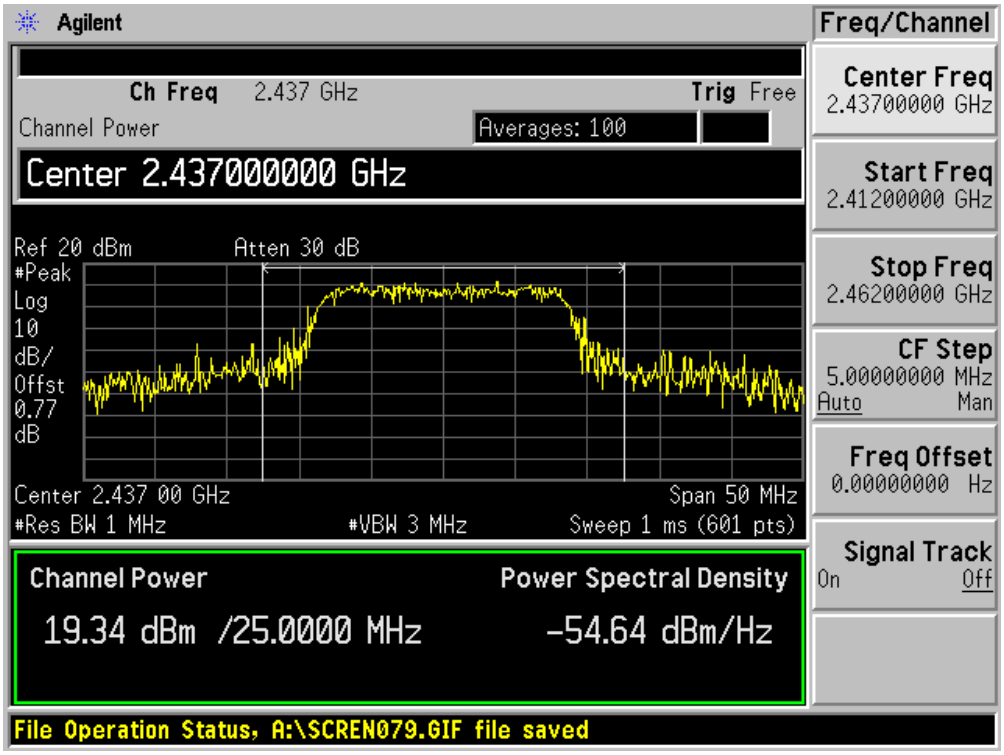
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	19.64	N/A	N/A	19.64	30.00	Pass
6	2437	19.34	N/A	N/A	19.34	30.00	Pass
11	2462	19.51	N/A	N/A	19.51	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

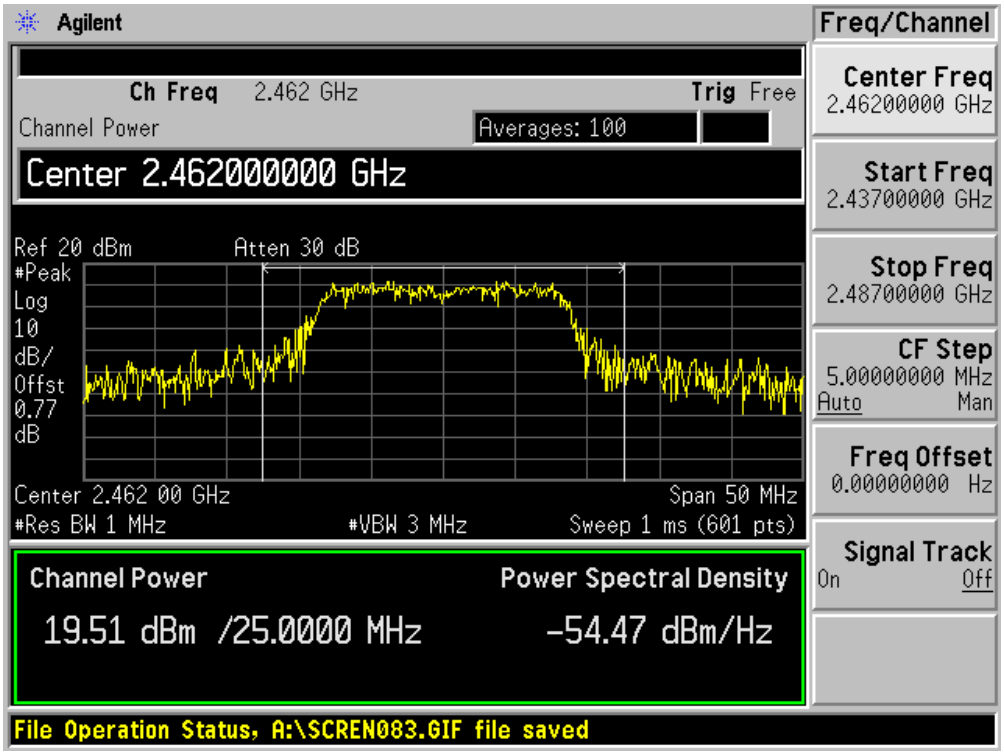
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

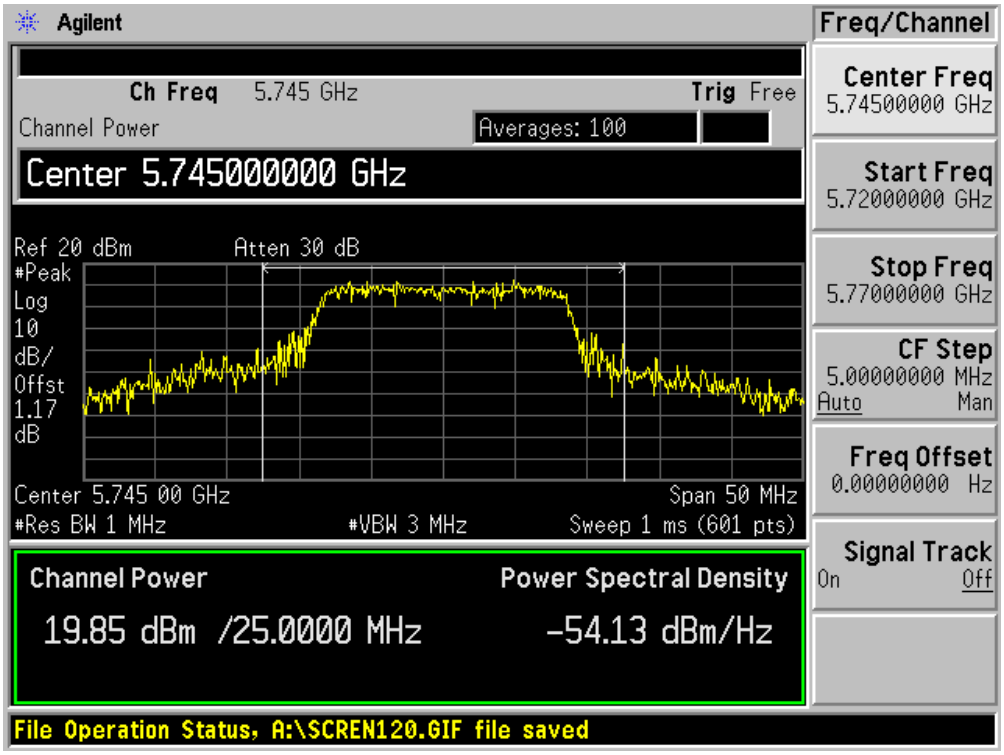


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain A)

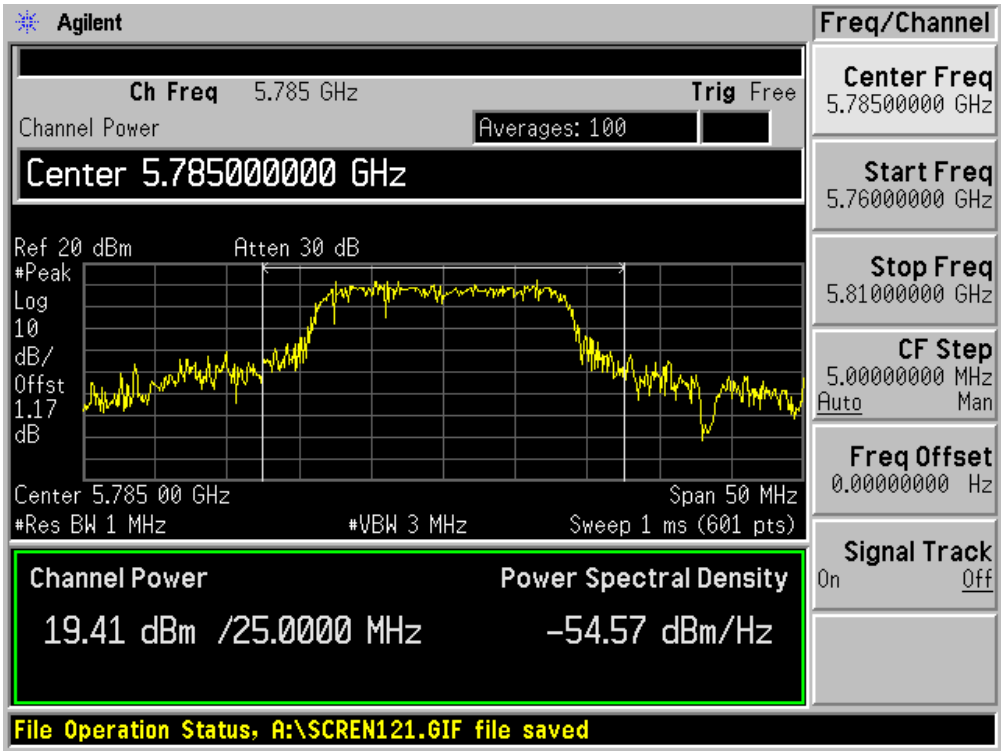
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	19.85	N/A	N/A	19.85	30.00	Pass
157	5785	19.41	N/A	N/A	19.41	30.00	Pass
165	5825	19.59	N/A	N/A	19.59	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

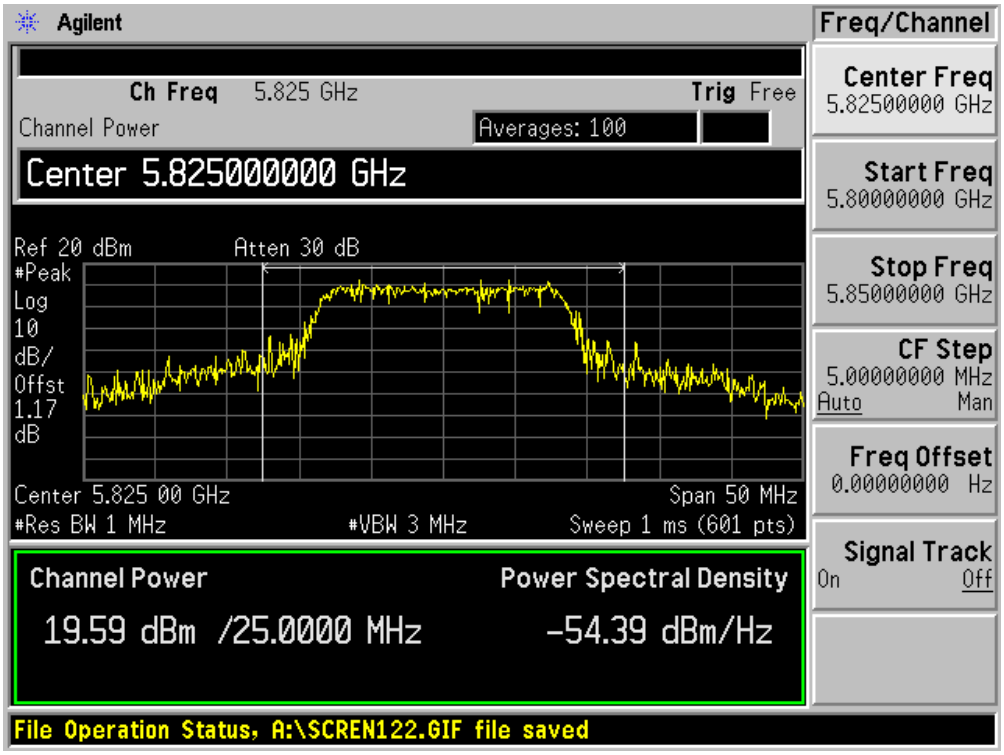
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

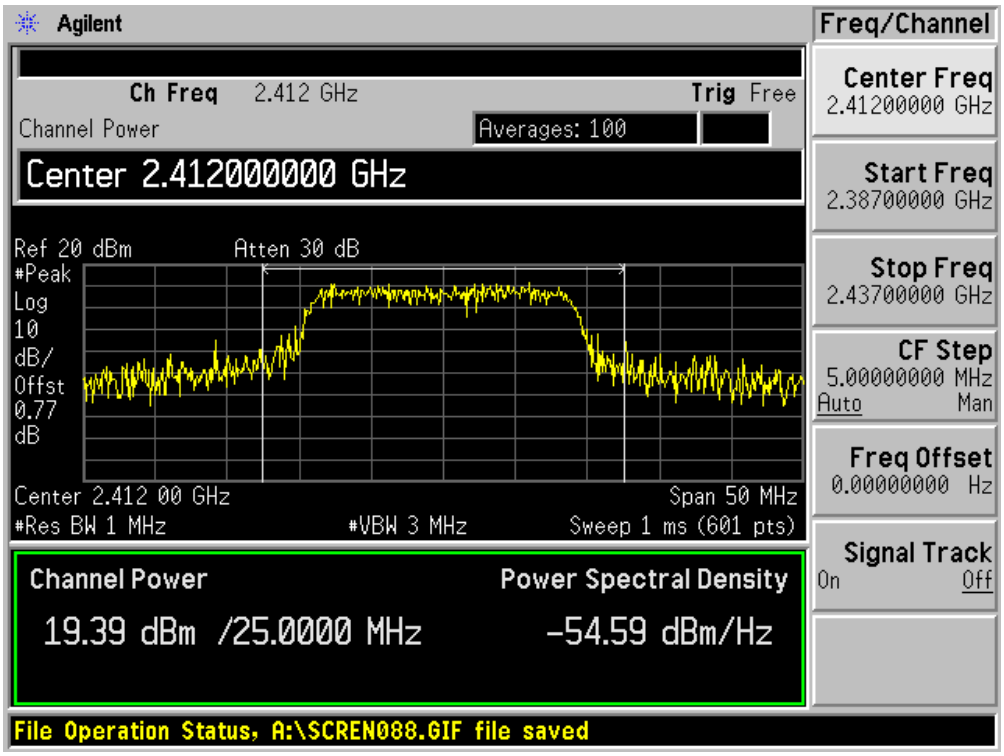


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A)

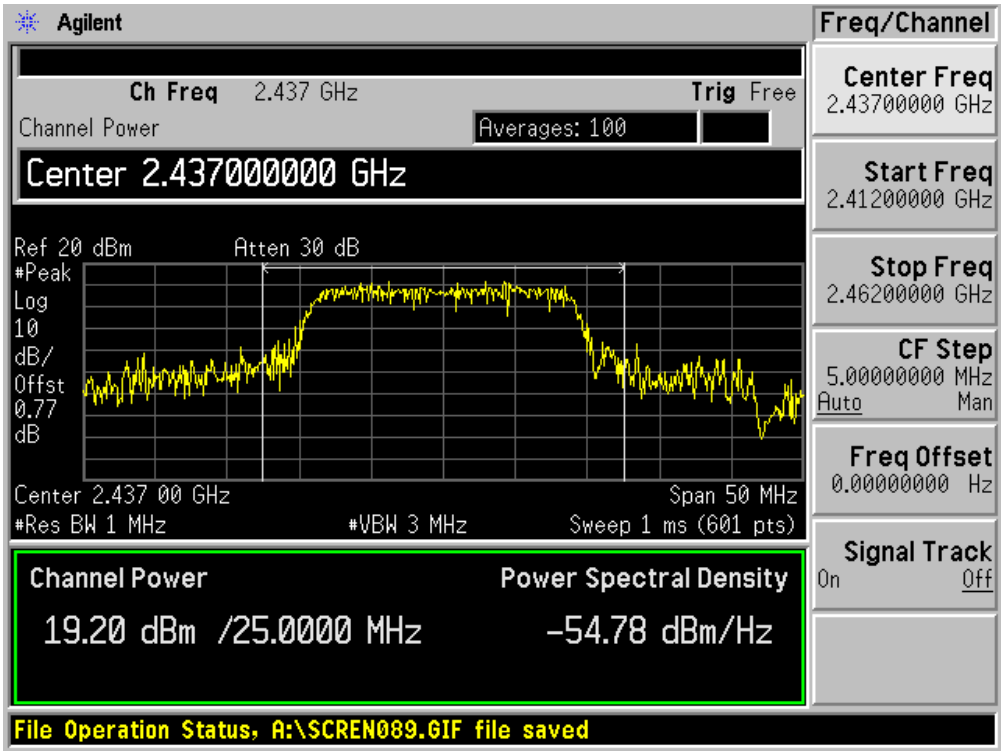
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	19.39	N/A	N/A	19.39	30.00	Pass
6	2437	19.20	N/A	N/A	19.20	30.00	Pass
11	2462	19.52	N/A	N/A	19.52	30.00	Pass
149	5745	19.25	N/A	N/A	19.25	30.00	Pass
157	5785	18.81	N/A	N/A	18.81	30.00	Pass
165	5825	19.16	N/A	N/A	19.16	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

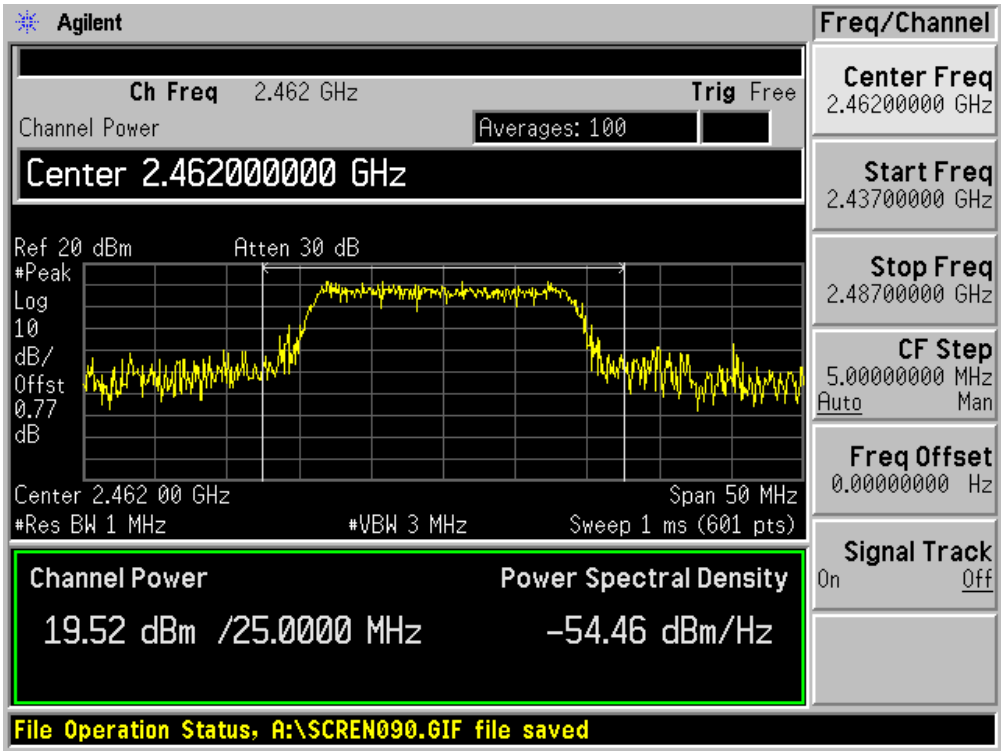
Channel 01 (2412MHz)



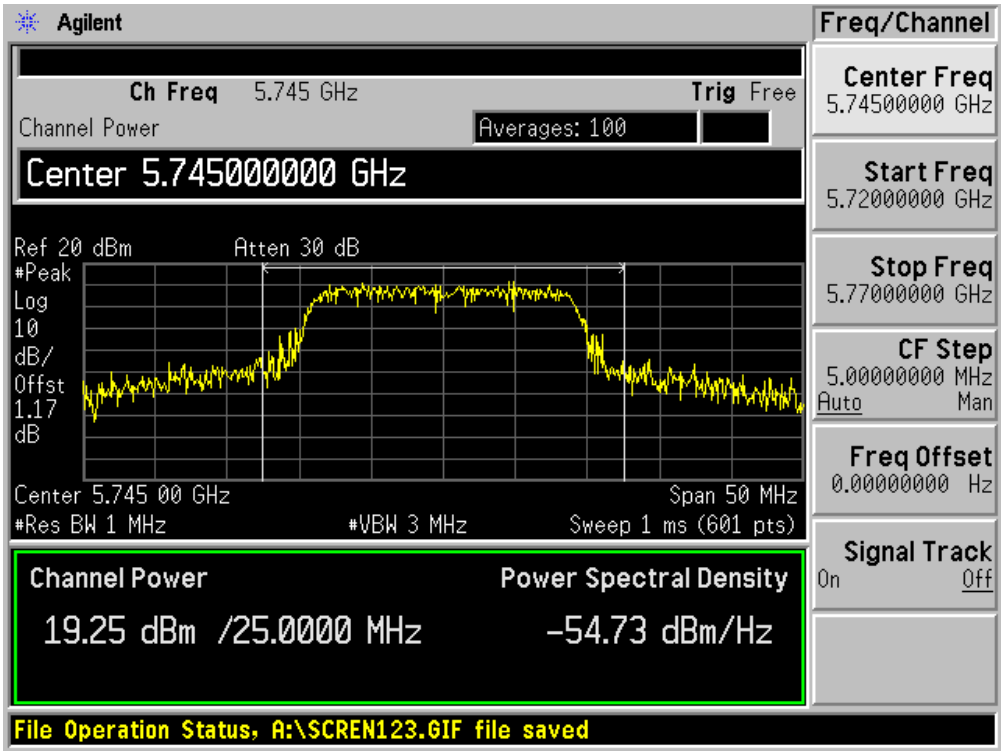
Channel 06 (2437MHz)



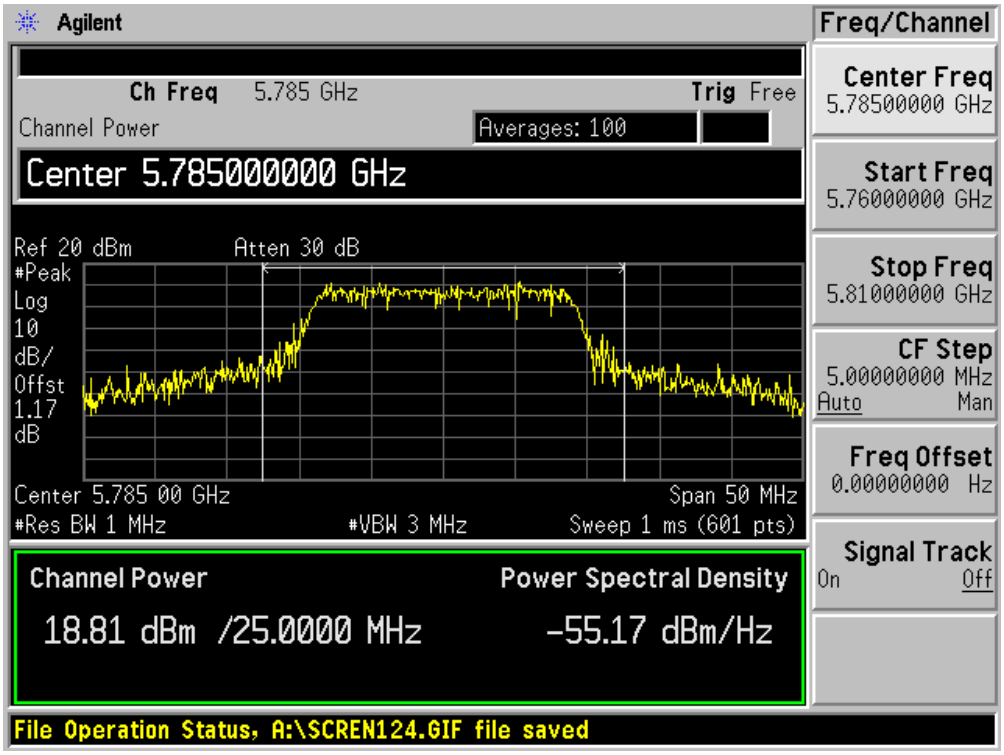
Channel 11 (2462MHz)



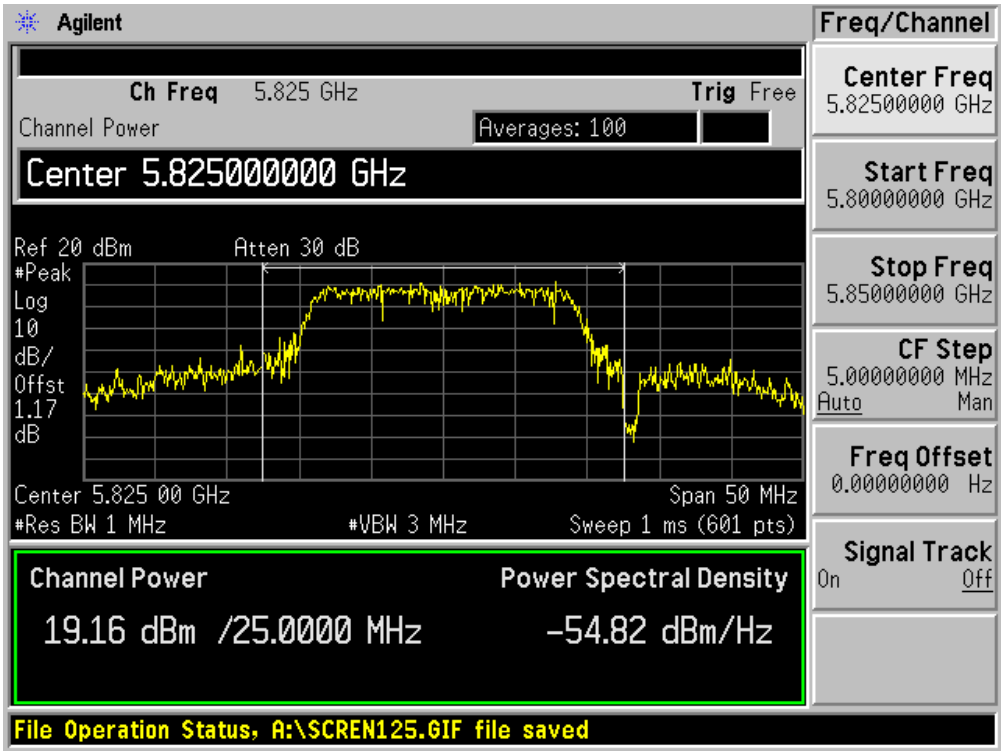
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

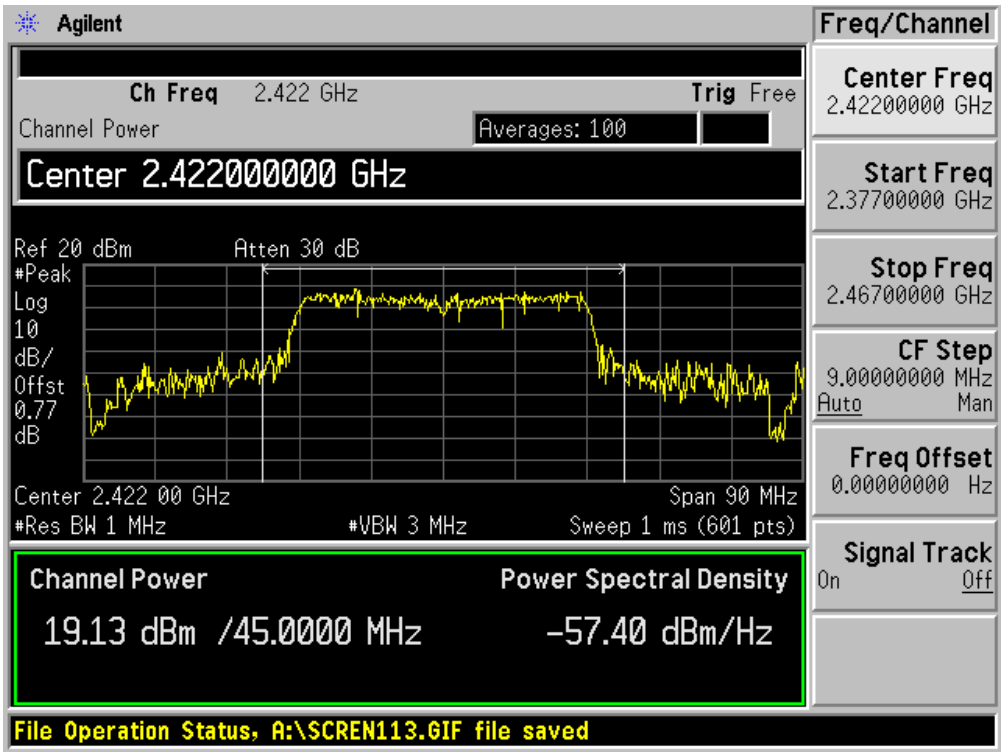


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A)

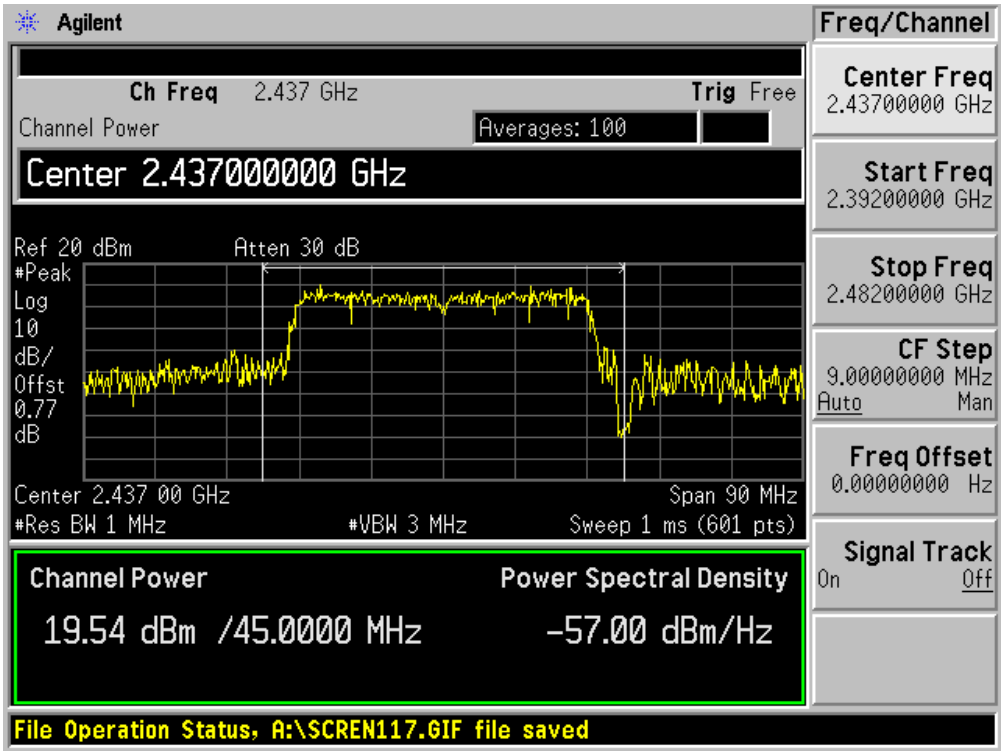
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	19.13	N/A	N/A	19.13	30.00	Pass
6	2437	19.54	N/A	N/A	19.54	30.00	Pass
9	2452	19.12	N/A	N/A	19.12	30.00	Pass
151	5755	19.13	N/A	N/A	19.13	30.00	Pass
159	5795	18.92	N/A	N/A	18.92	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

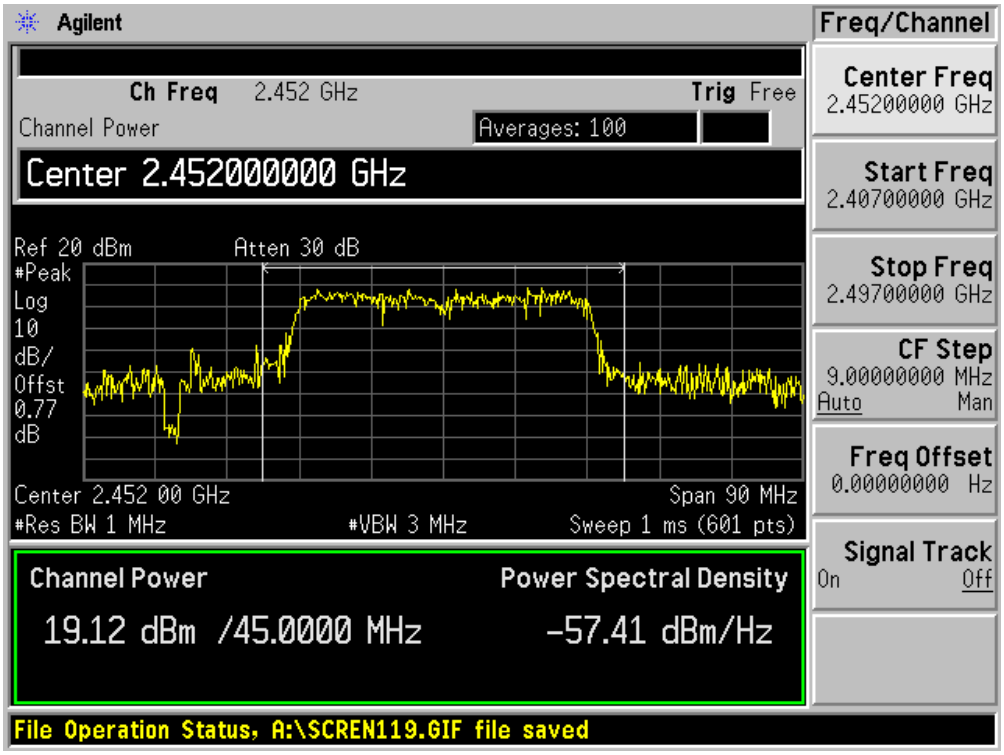
Channel 03 (2422MHz)



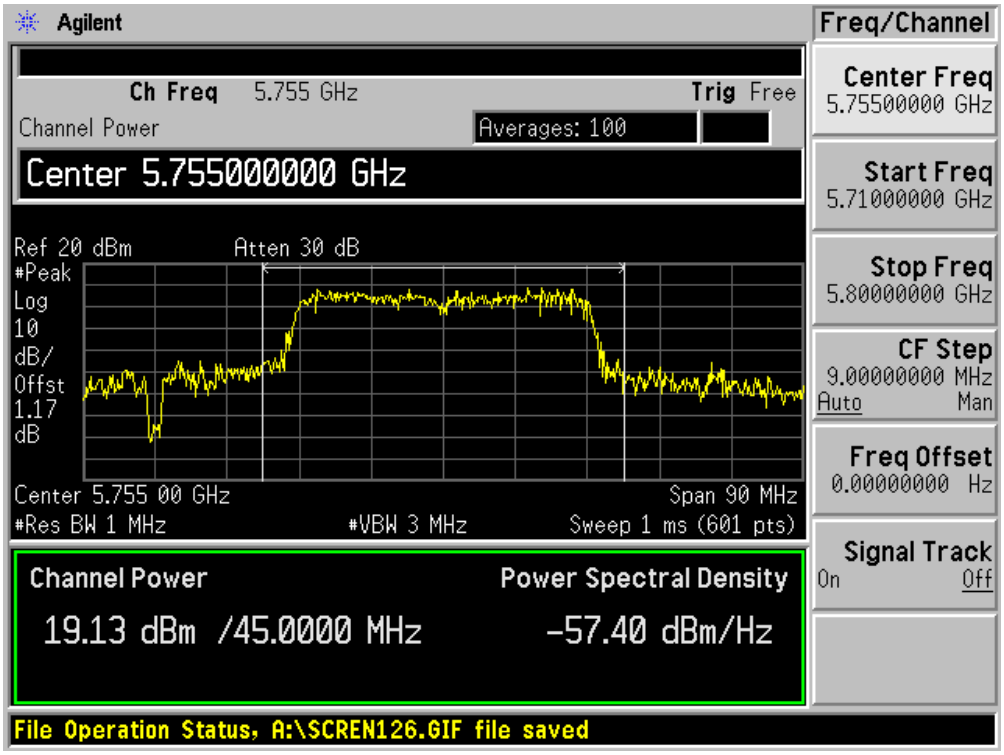
Channel 06 (2437MHz)



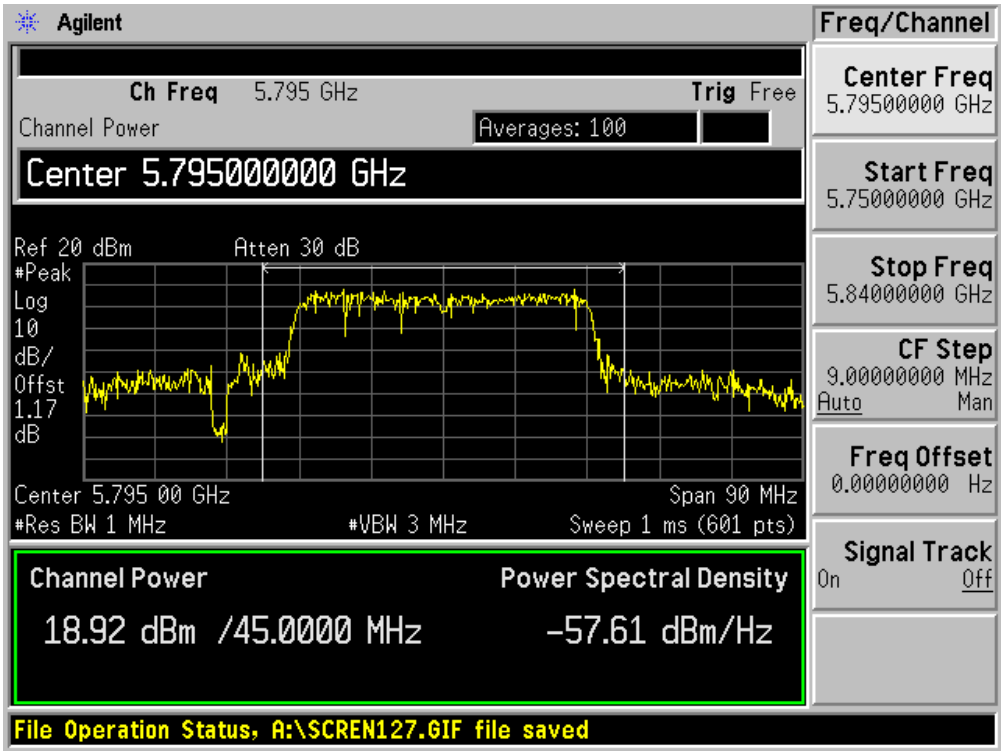
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

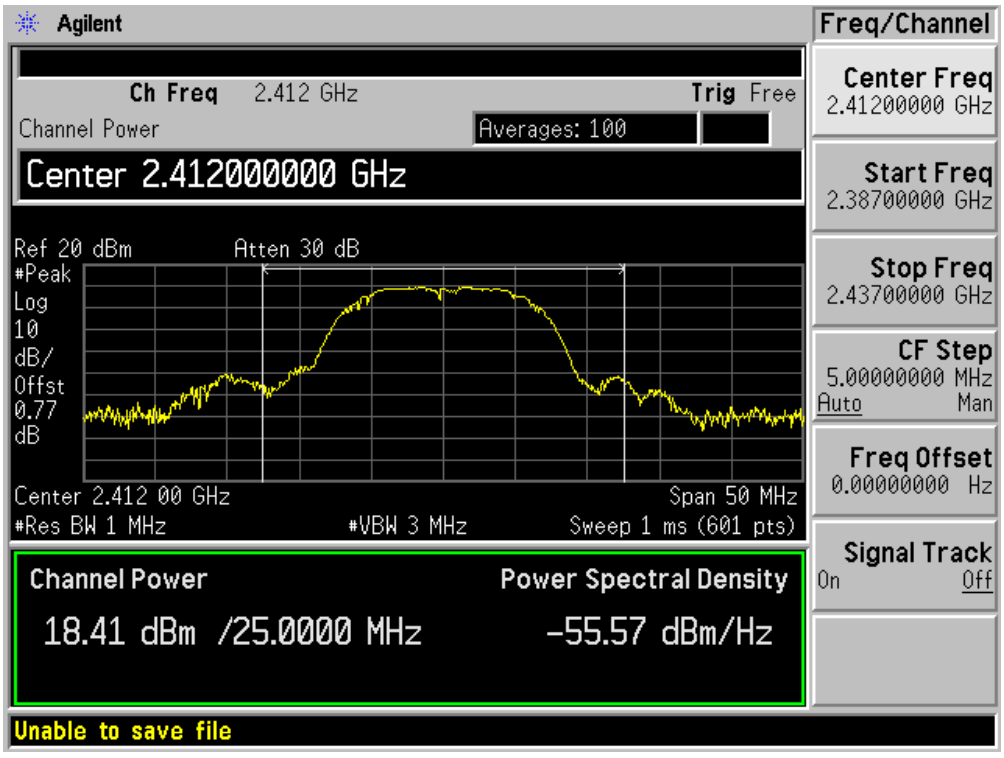


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain B)

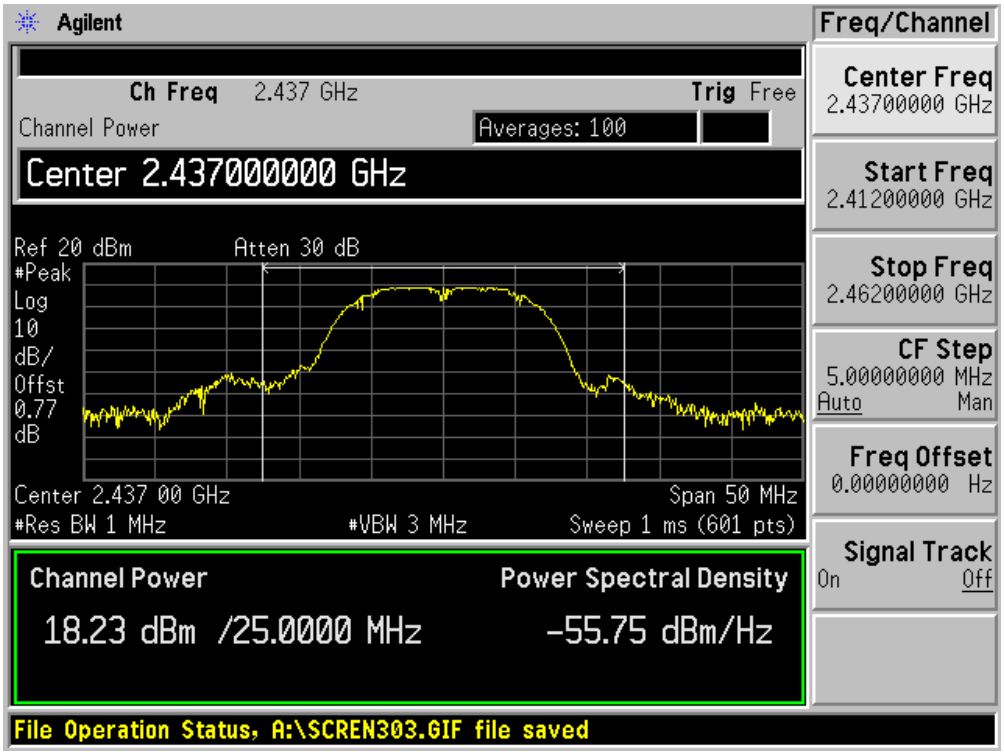
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	18.41	N/A	18.41	30.00	Pass
6	2437	N/A	18.23	N/A	18.23	30.00	Pass
11	2462	N/A	18.39	N/A	18.39	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

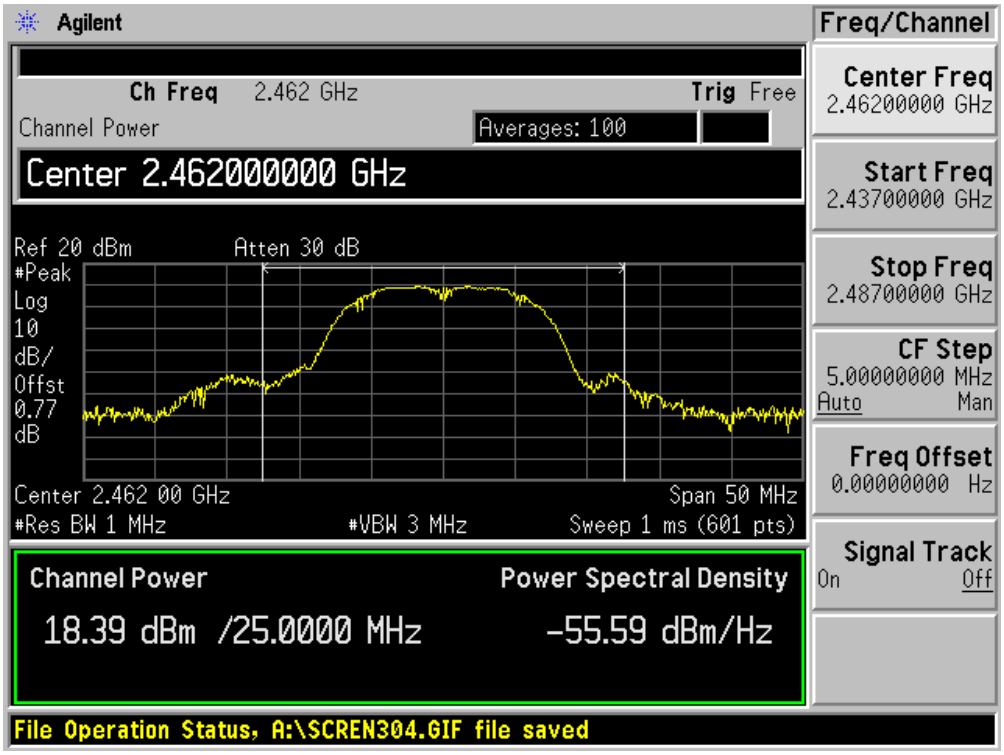
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

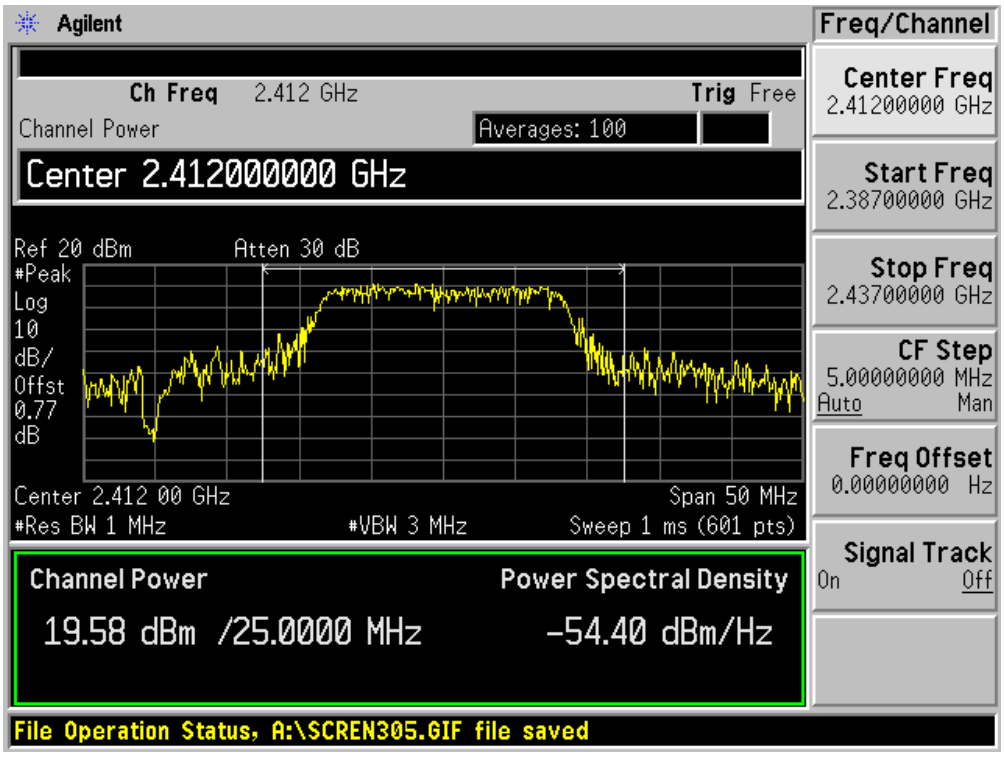


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain B)

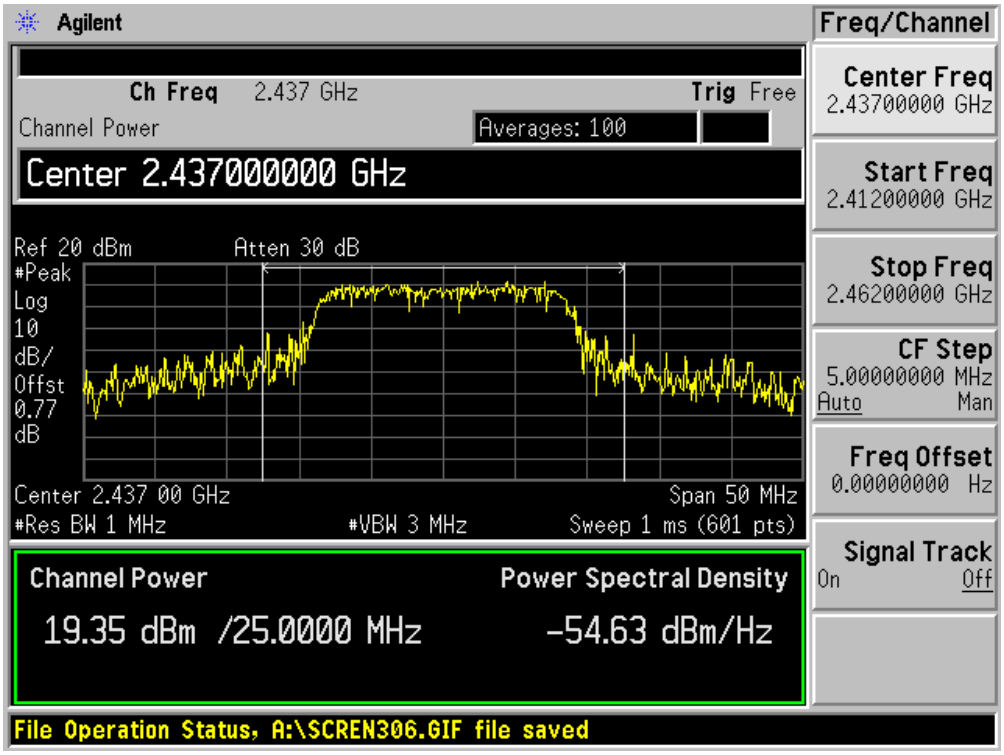
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	19.58	N/A	19.58	30.00	Pass
6	2437	N/A	19.35	N/A	19.35	30.00	Pass
11	2462	N/A	19.48	N/A	19.48	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

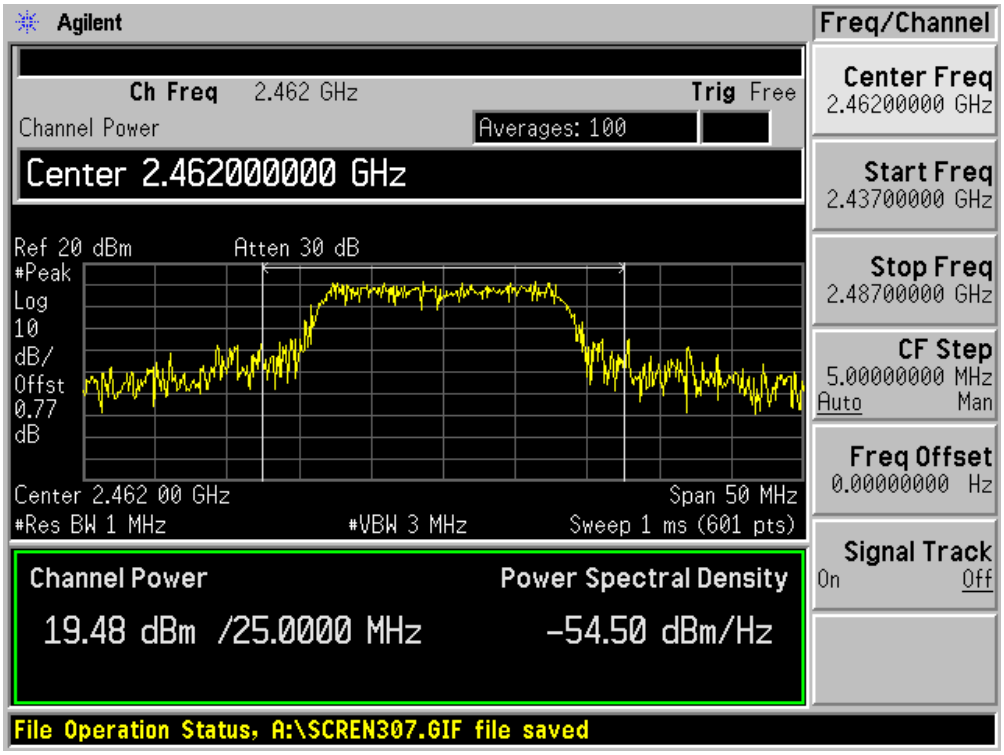
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

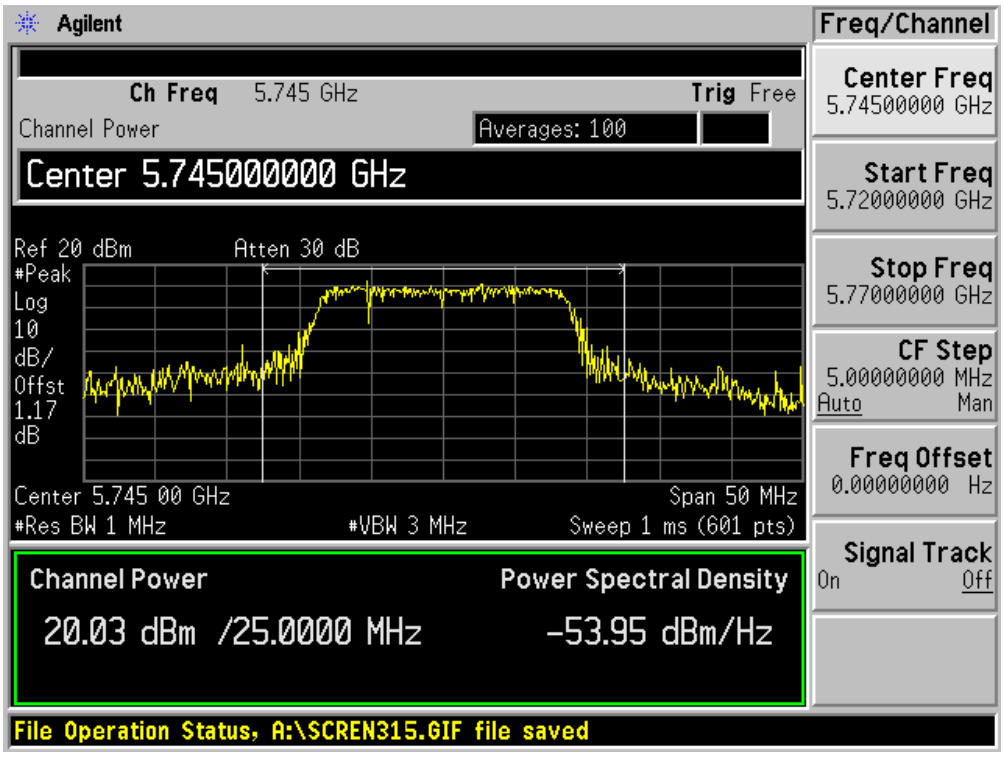


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain B)

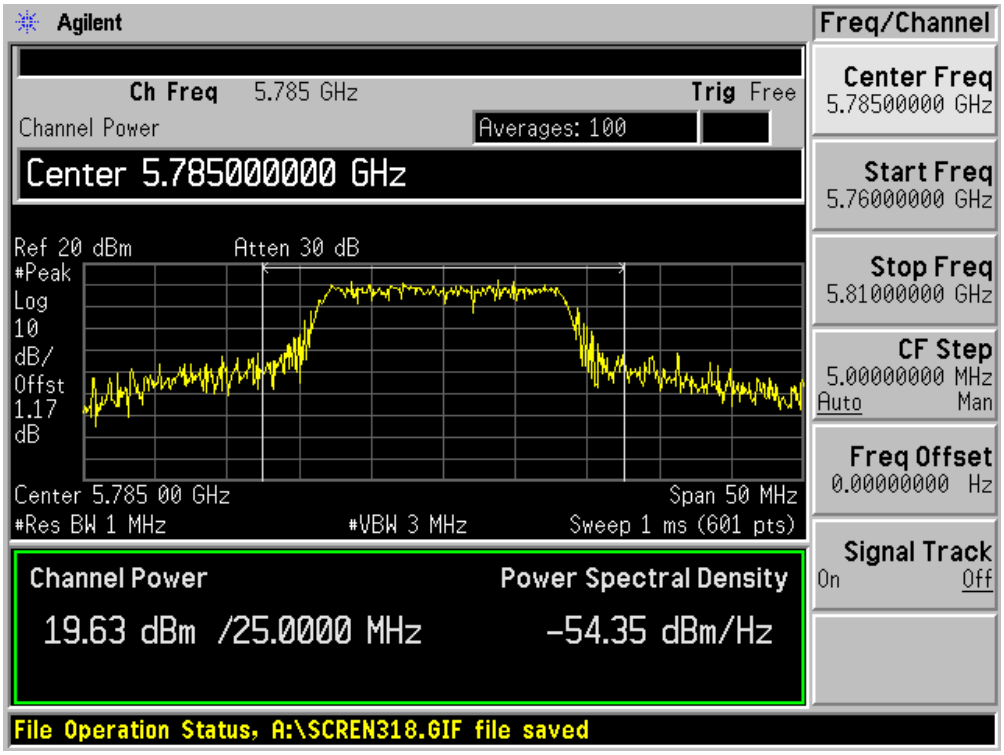
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	N/A	20.03	N/A	20.03	30.00	Pass
157	5785	N/A	19.63	N/A	19.63	30.00	Pass
165	5825	N/A	20.08	N/A	20.08	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

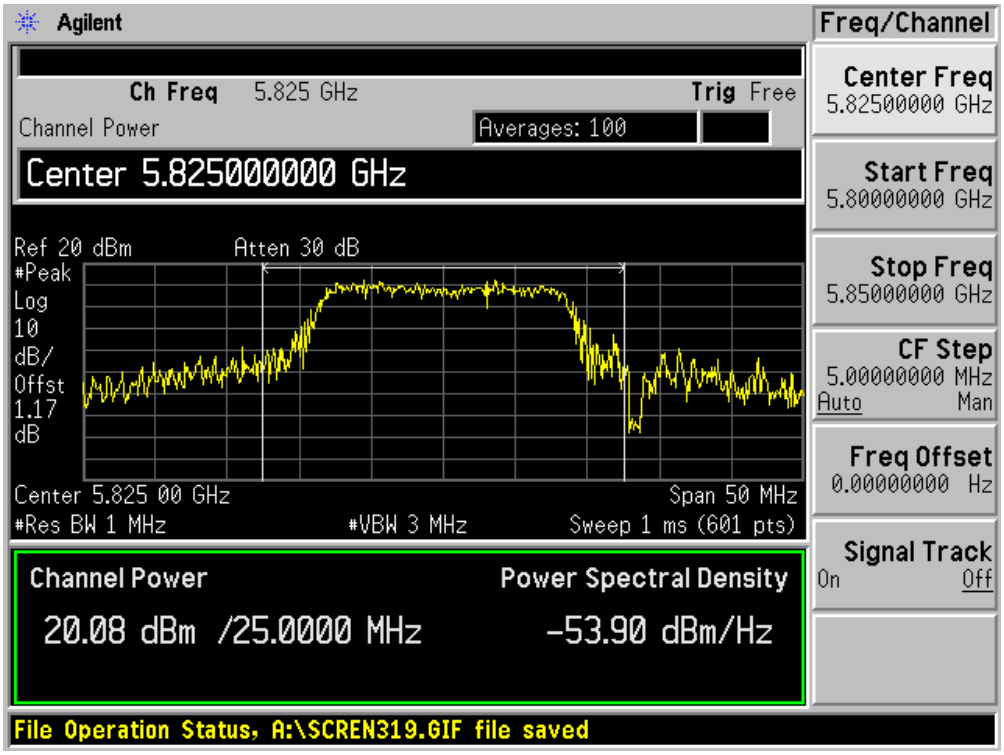
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

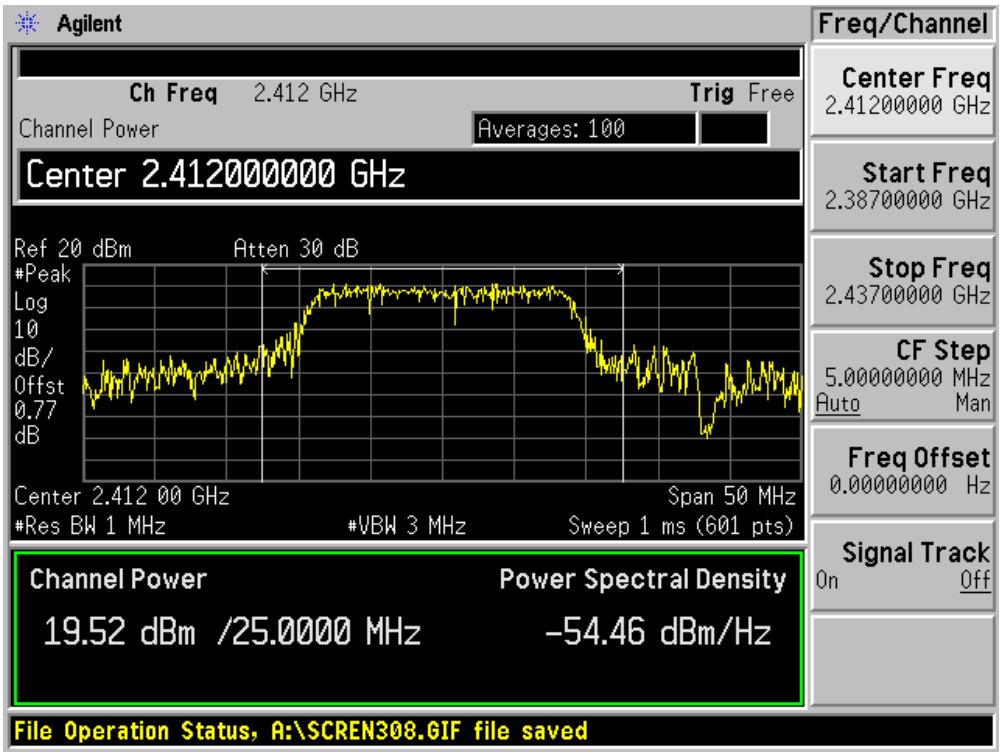


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain B)

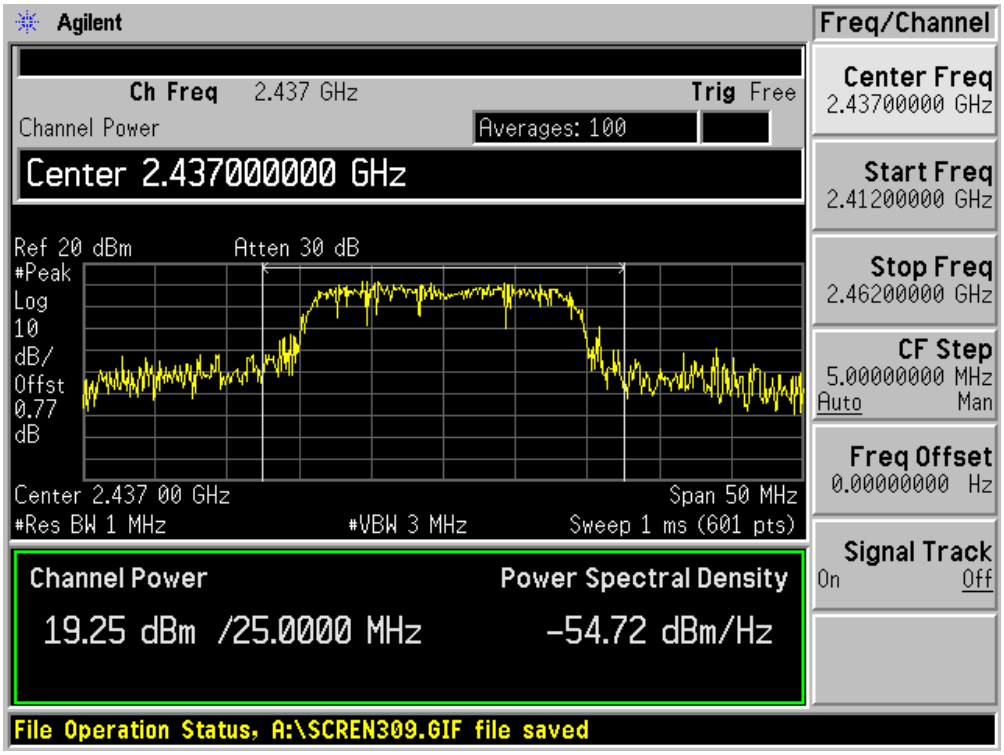
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	19.52	N/A	19.52	30.00	Pass
6	2437	N/A	19.25	N/A	19.25	30.00	Pass
11	2462	N/A	19.42	N/A	19.42	30.00	Pass
149	5745	N/A	19.48	N/A	19.48	30.00	Pass
157	5785	N/A	19.72	N/A	19.72	30.00	Pass
165	5825	N/A	19.89	N/A	19.89	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

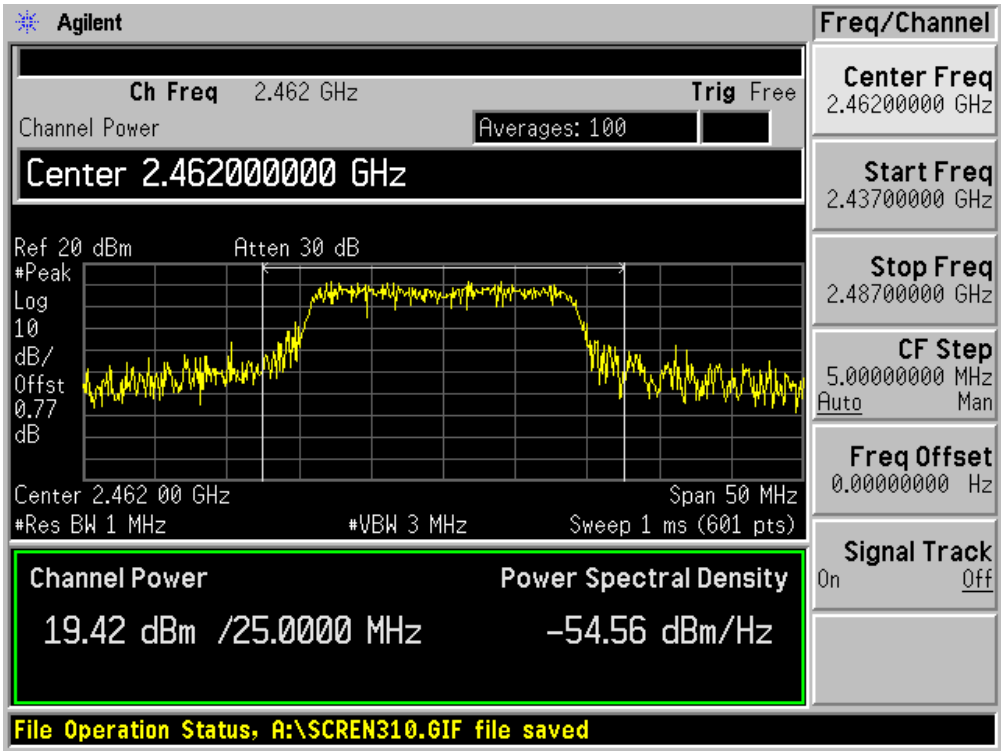
Channel 01 (2412MHz)



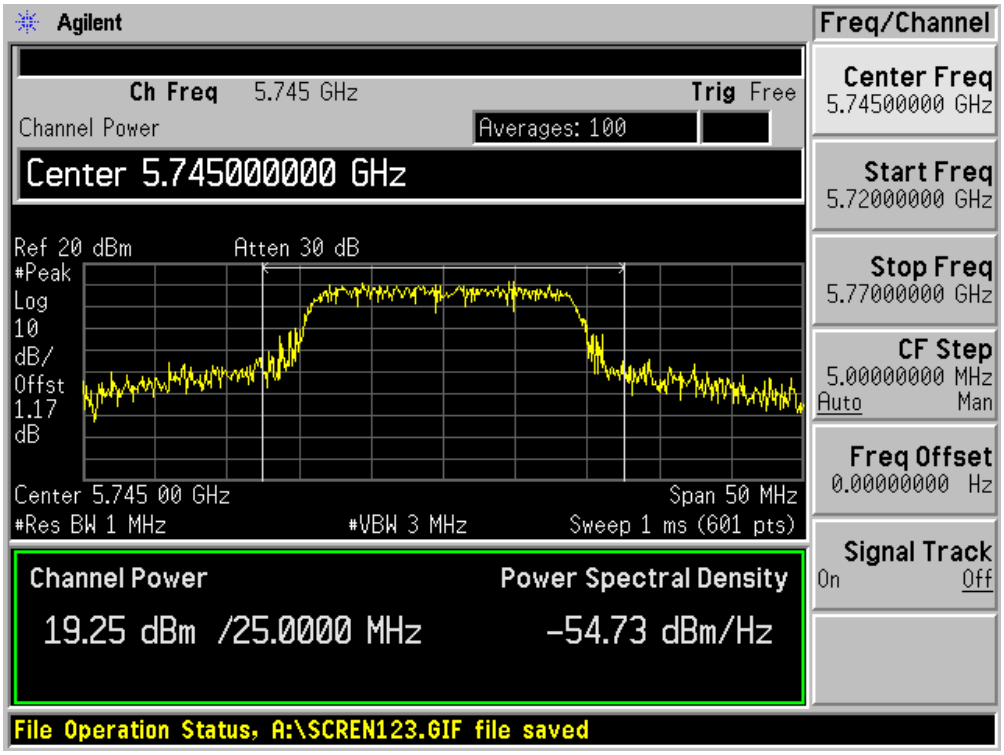
Channel 06 (2437MHz)



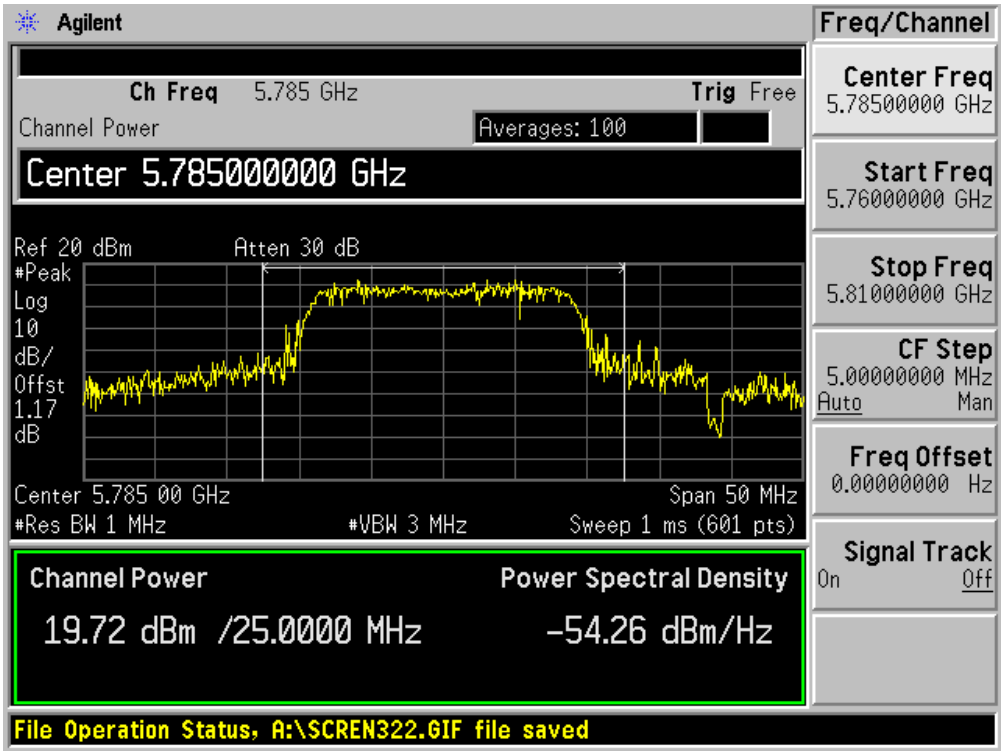
Channel 11 (2462MHz)



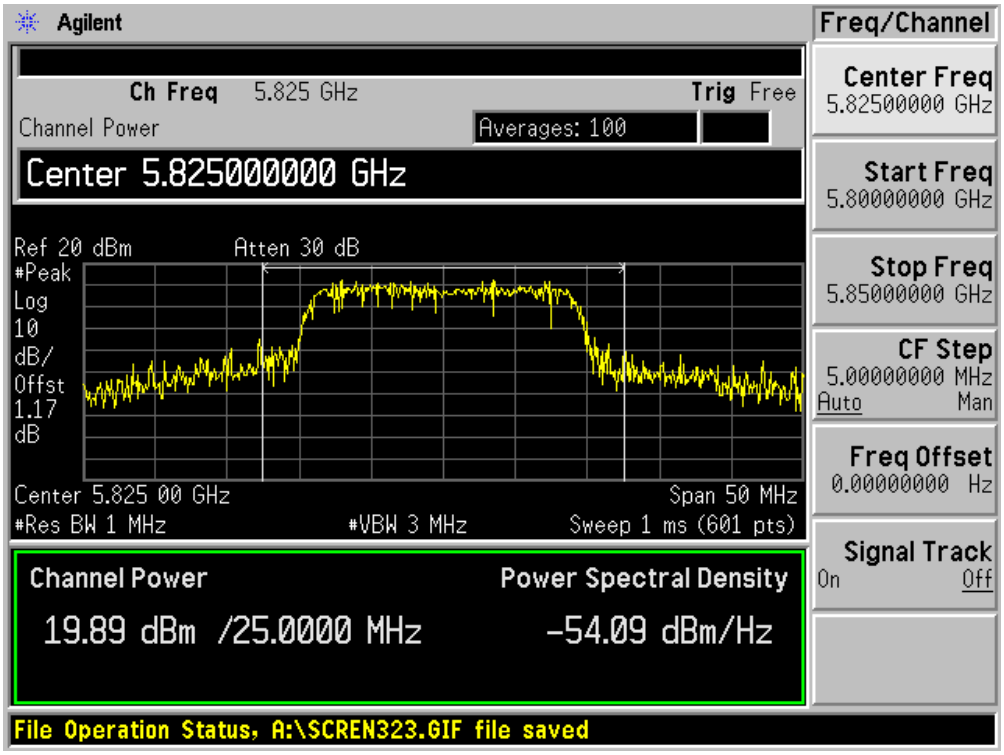
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

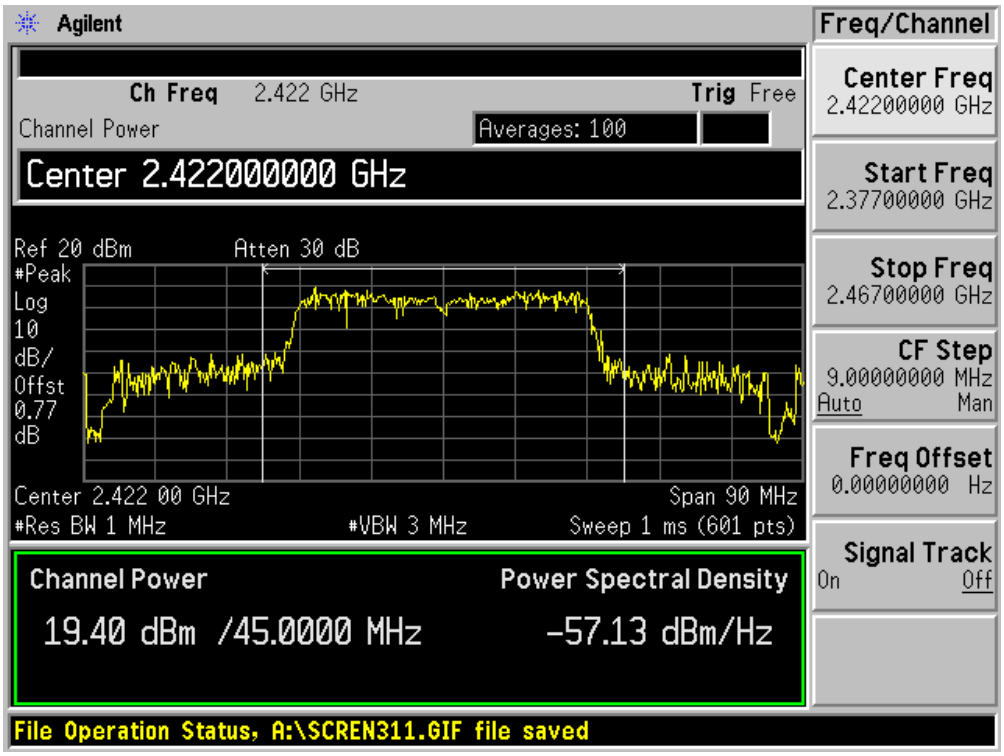


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain B)

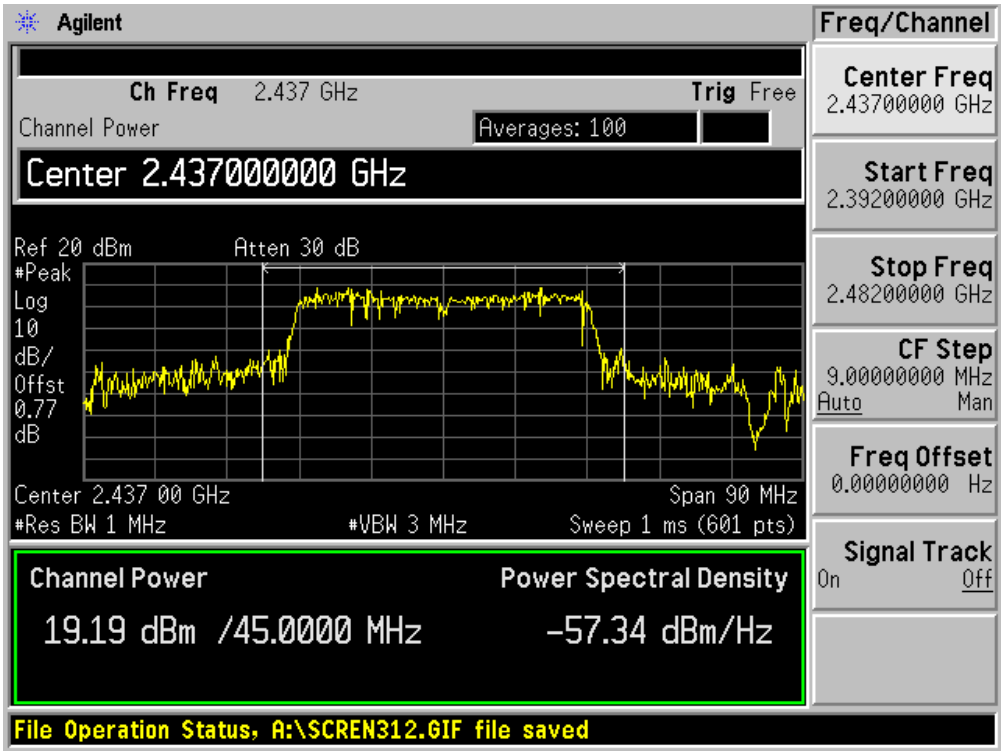
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	N/A	19.40	N/A	19.40	30.00	Pass
6	2437	N/A	19.19	N/A	19.19	30.00	Pass
9	2452	N/A	19.05	N/A	19.05	30.00	Pass
151	5755	N/A	19.77	N/A	19.77	30.00	Pass
159	5795	N/A	19.71	N/A	19.71	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

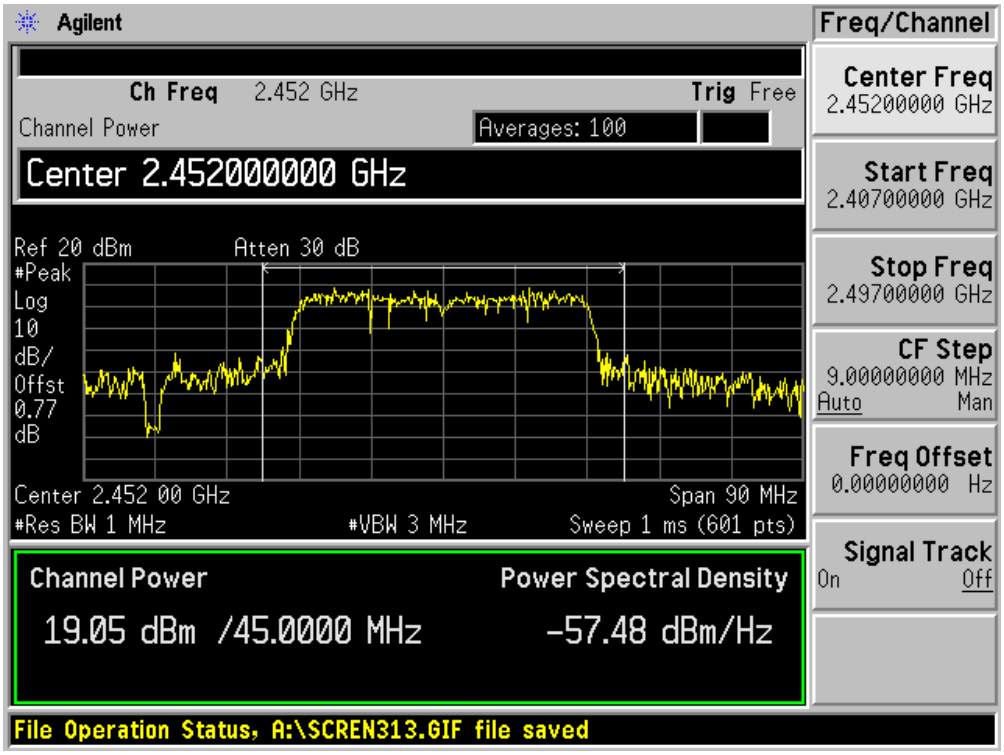
Channel 03 (2422MHz)



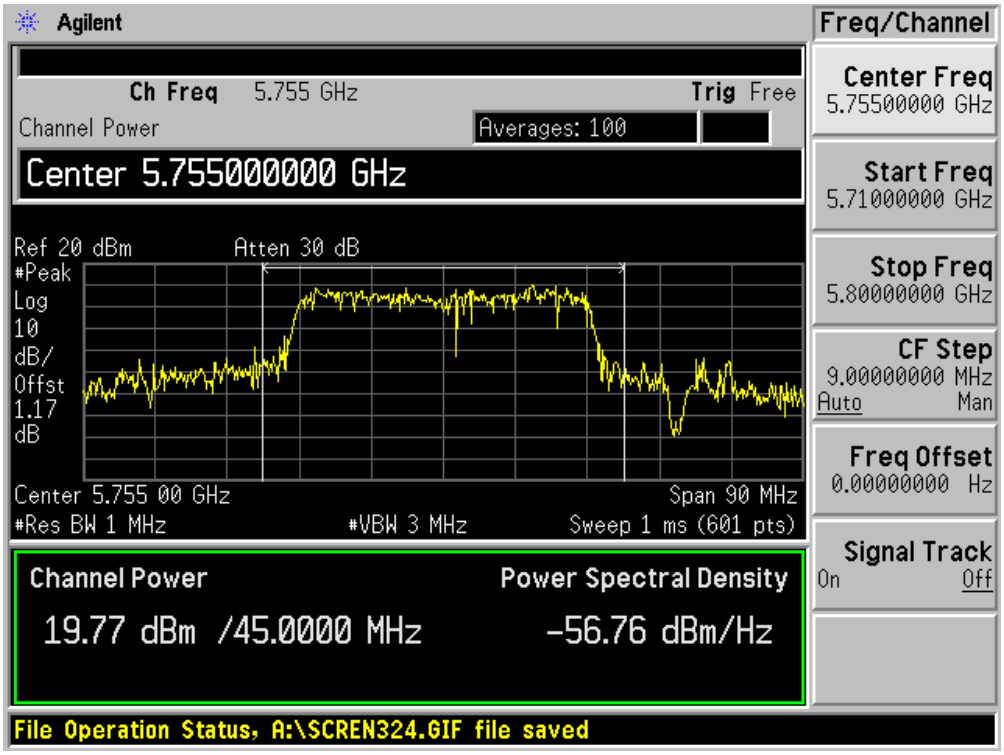
Channel 06 (2437MHz)



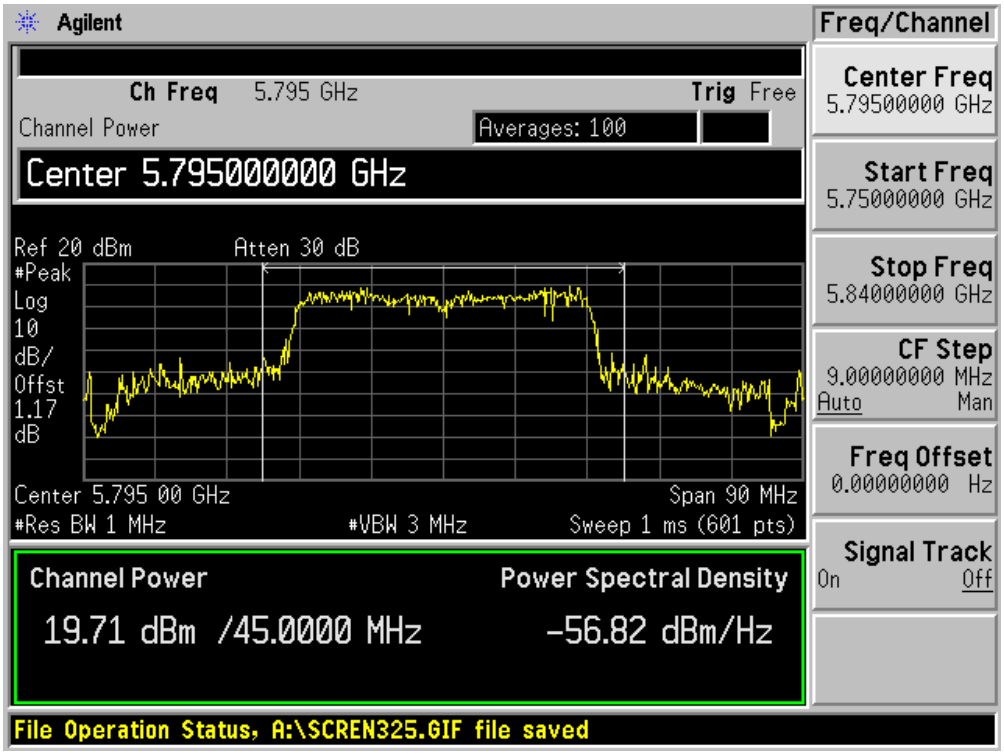
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

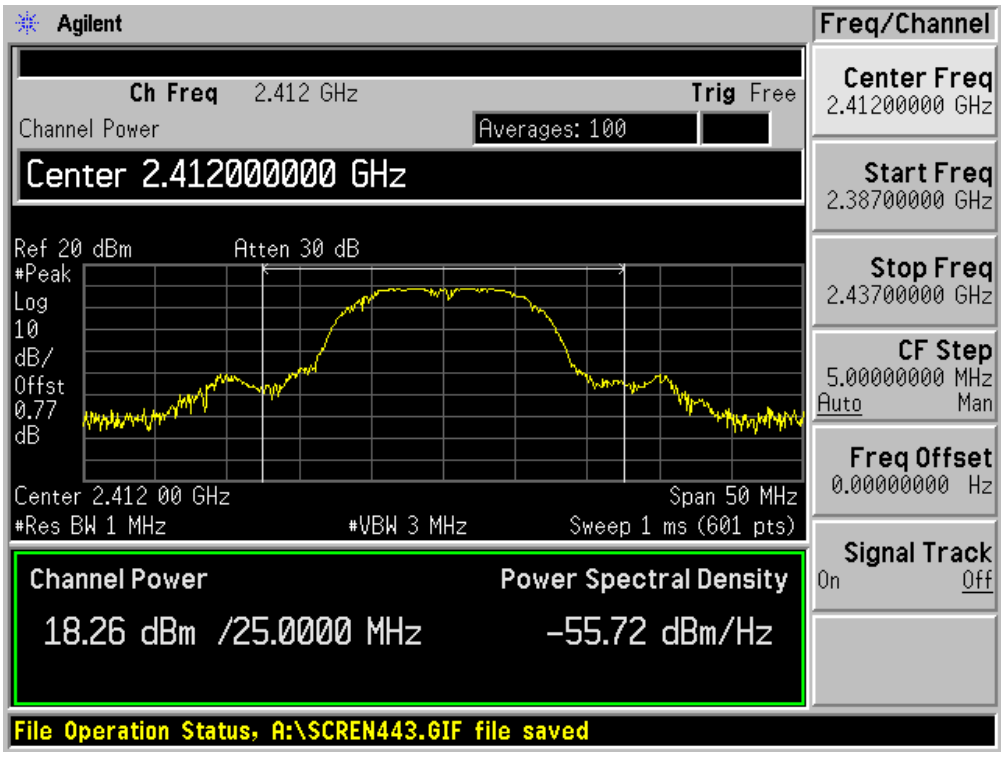


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain C)

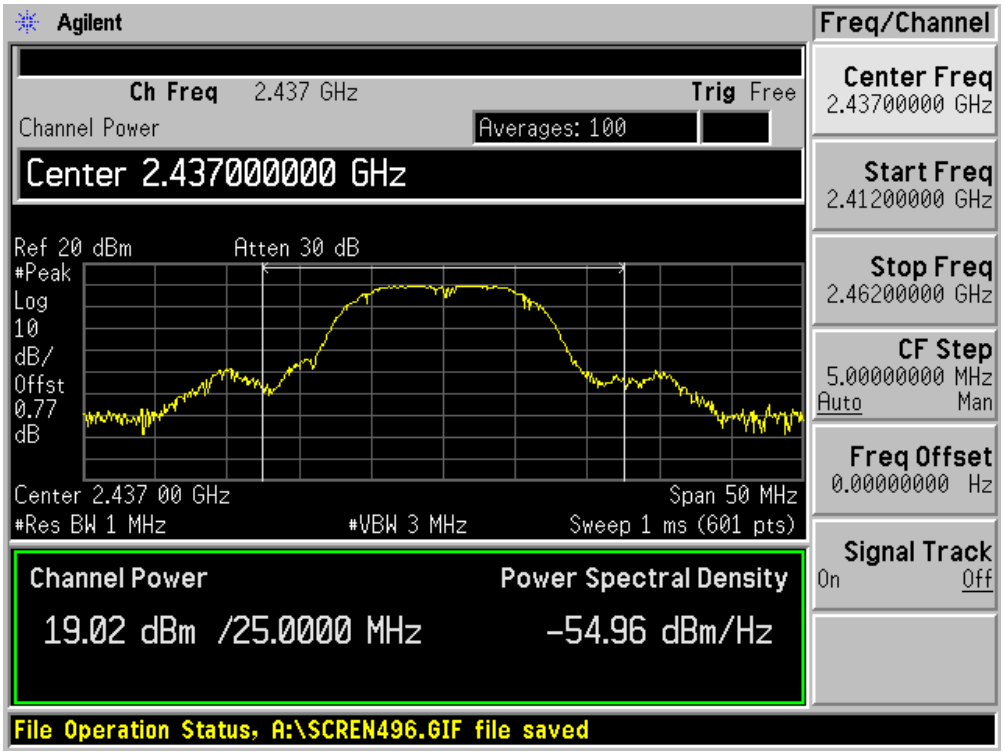
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	N/A	18.26	18.26	30.00	Pass
6	2437	N/A	N/A	19.02	19.02	30.00	Pass
11	2462	N/A	N/A	18.45	18.45	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

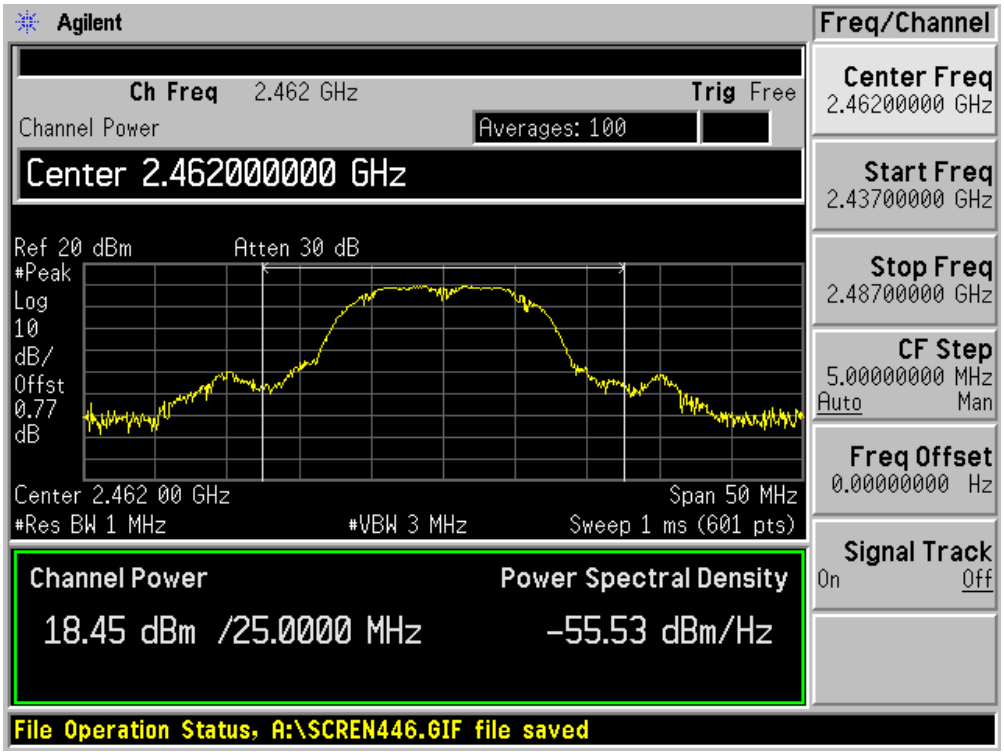
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

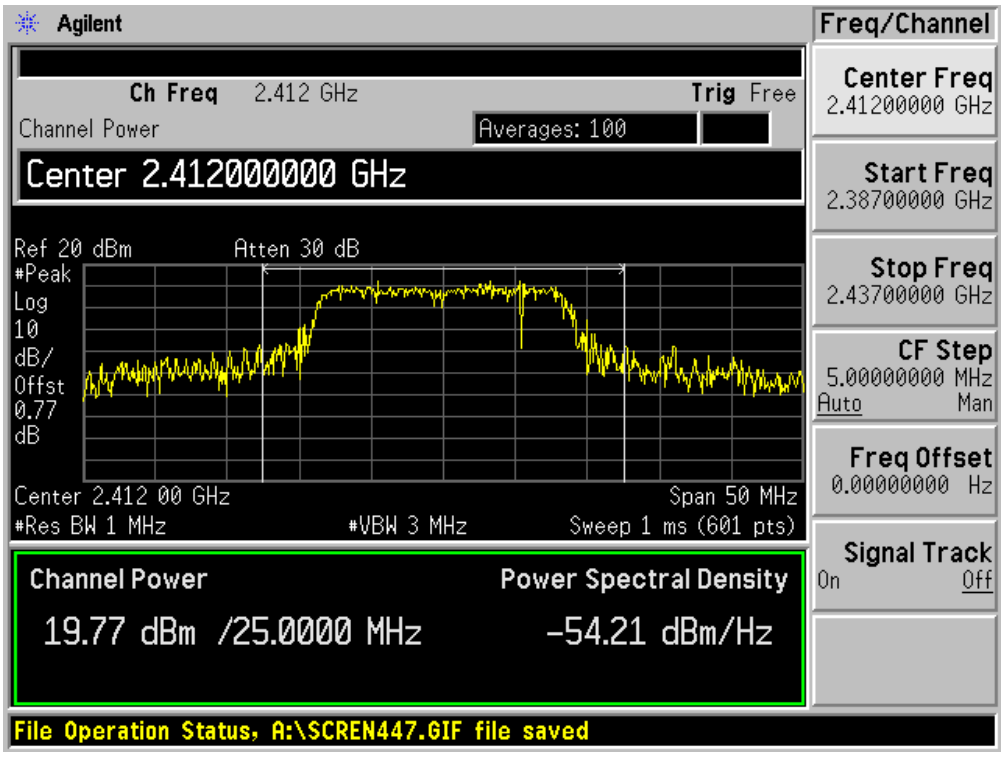


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain C)

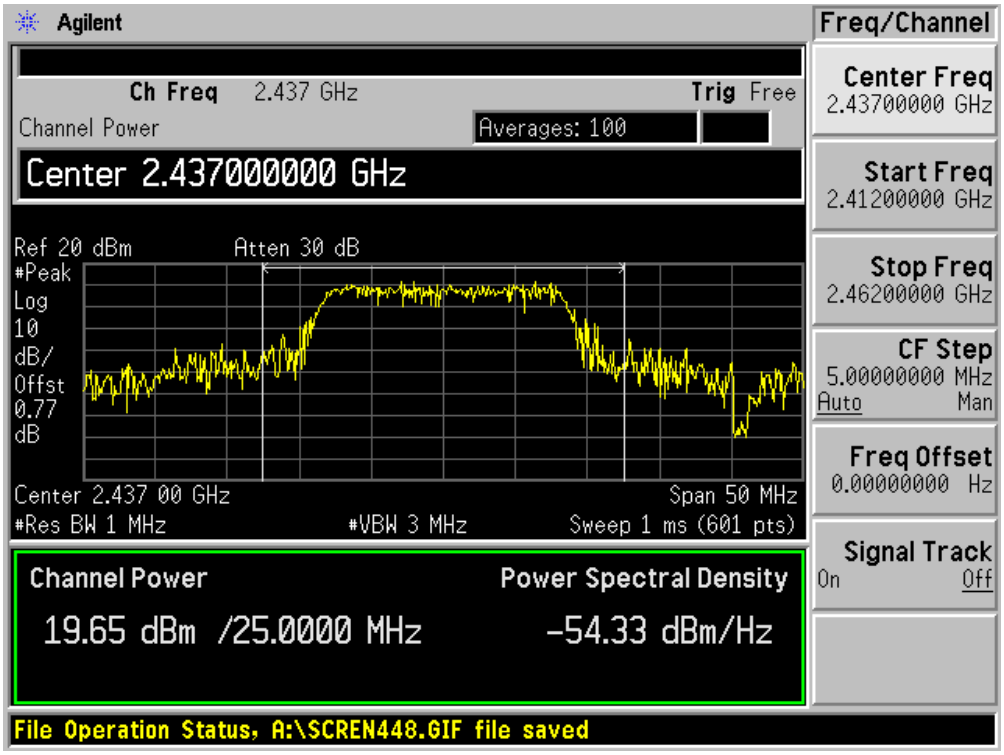
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	N/A	19.77	19.77	30.00	Pass
6	2437	N/A	N/A	19.65	19.65	30.00	Pass
11	2462	N/A	N/A	19.79	19.79	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

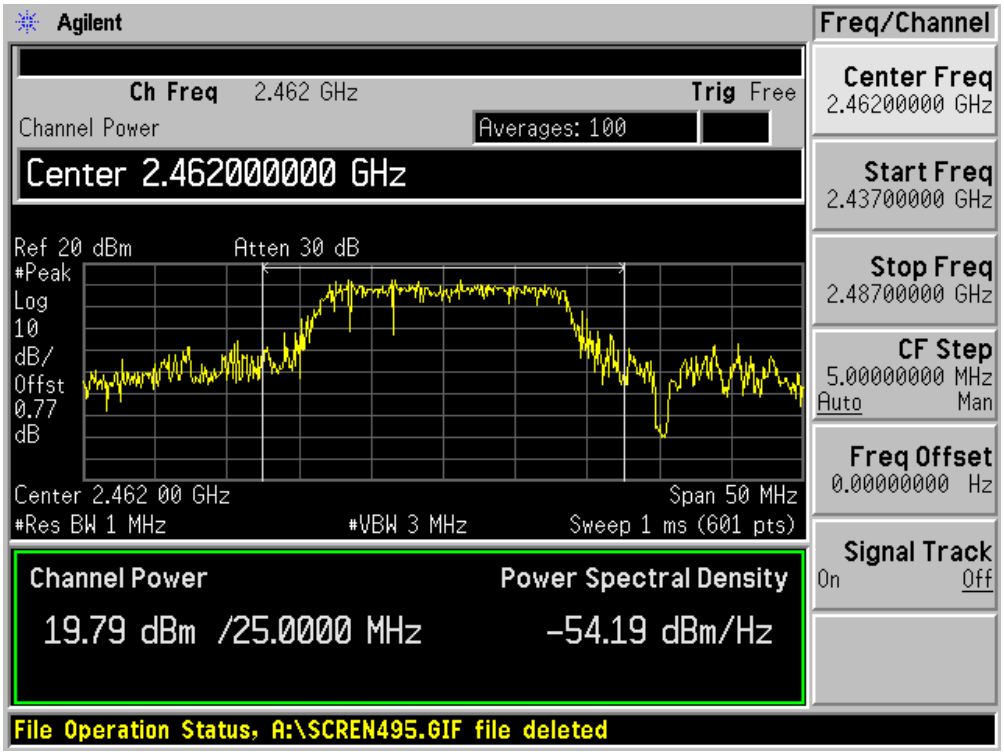
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

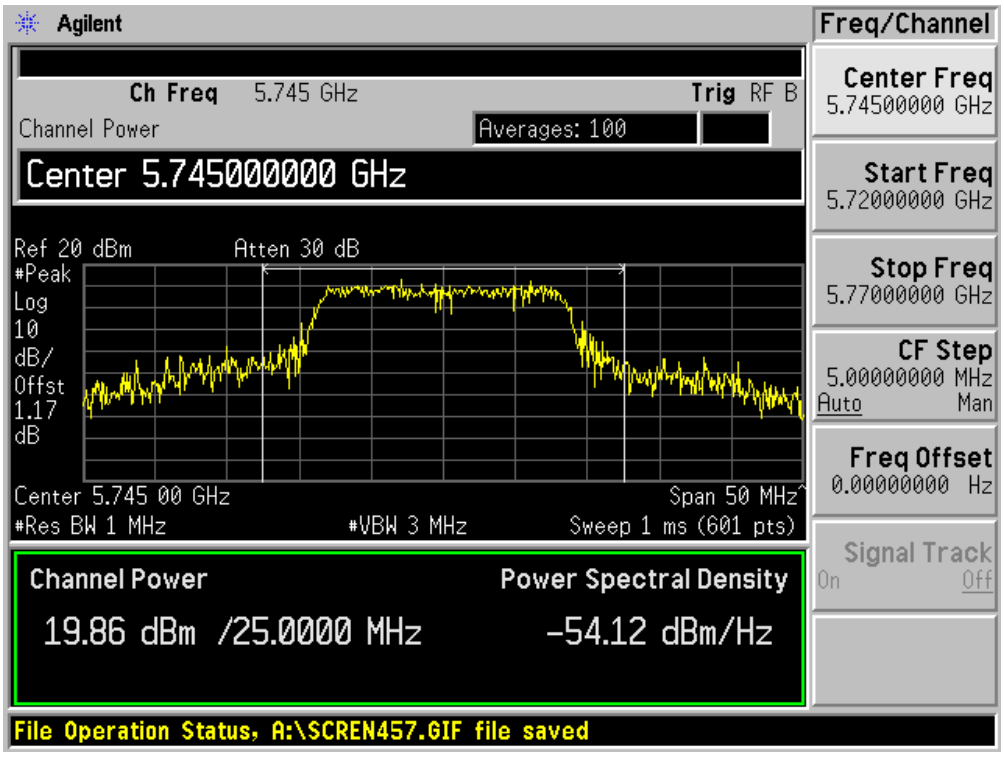


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain C)

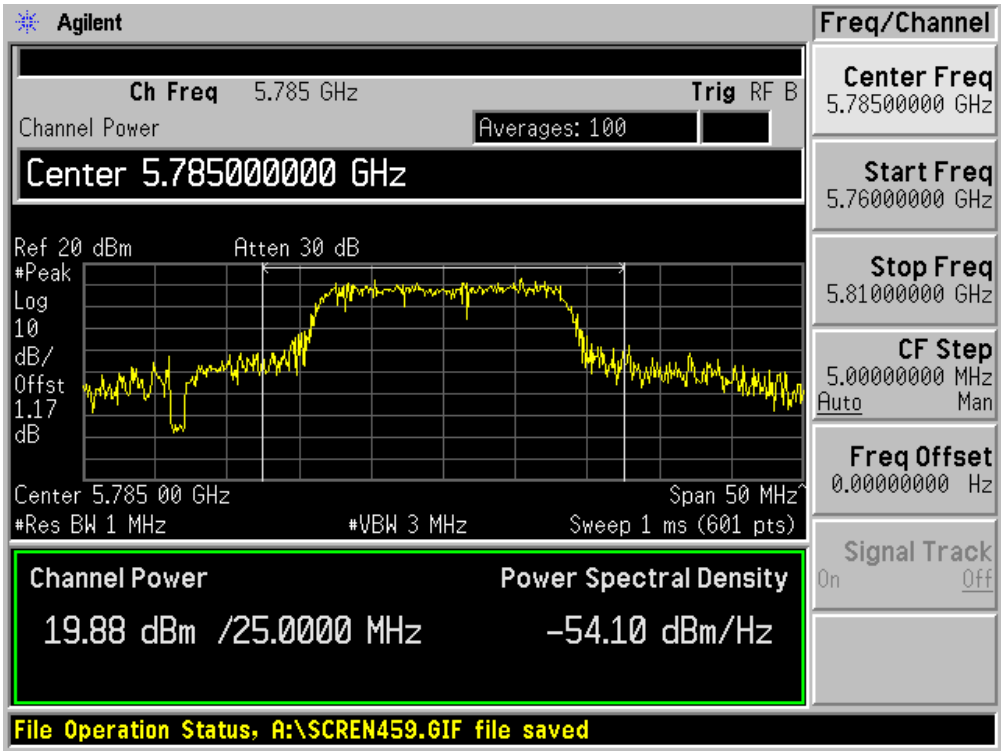
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	N/A	N/A	19.86	19.86	30.00	Pass
157	5785	N/A	N/A	19.88	19.88	30.00	Pass
165	5825	N/A	N/A	19.55	19.55	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

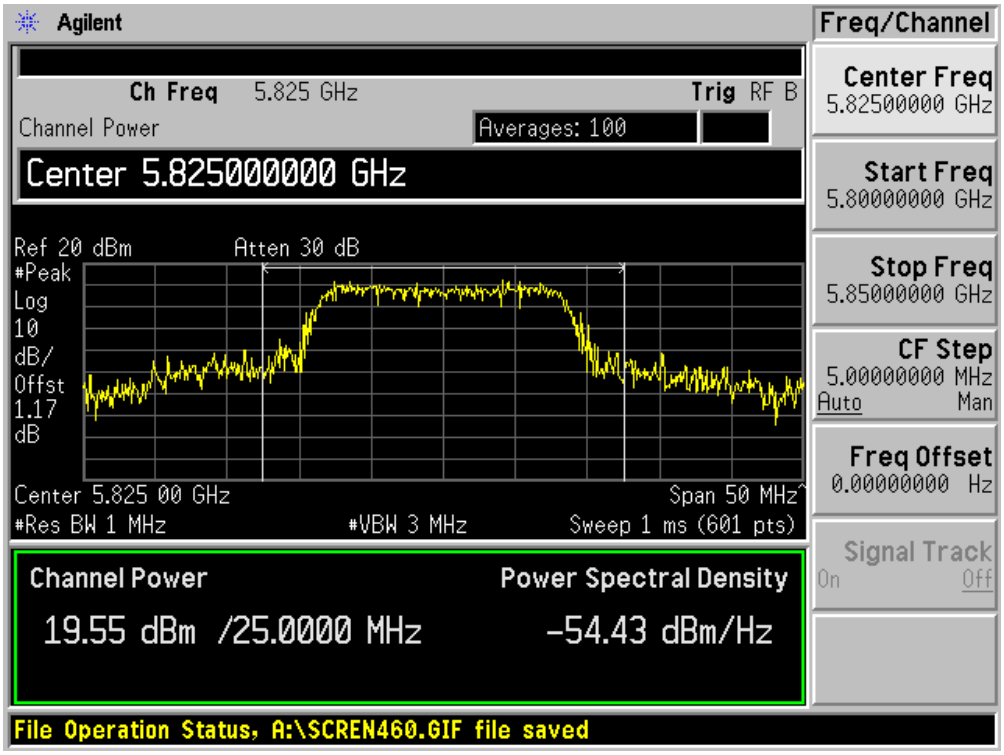
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

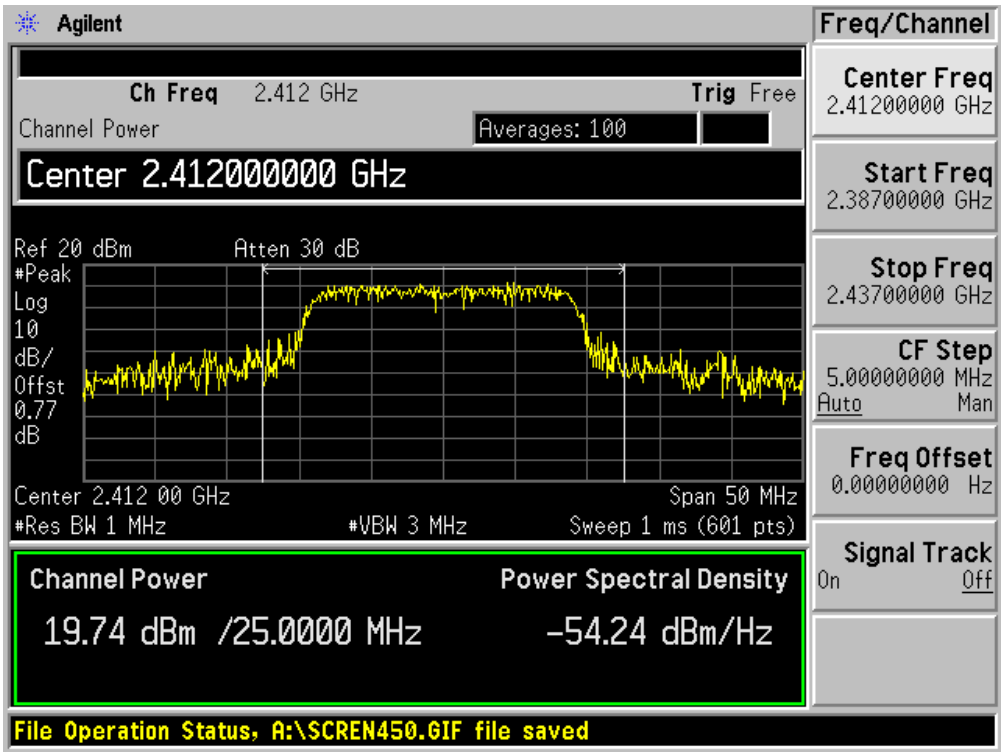


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain C)

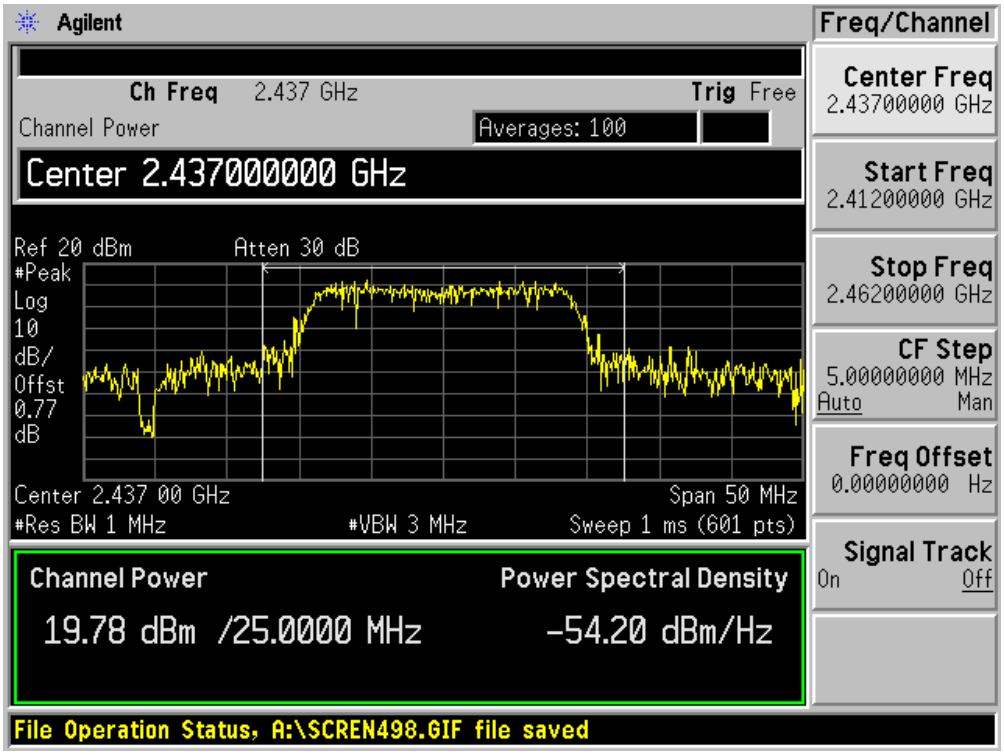
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	N/A	19.74	19.74	30.00	Pass
6	2437	N/A	N/A	19.78	19.78	30.00	Pass
11	2462	N/A	N/A	19.66	19.66	30.00	Pass
149	5745	N/A	N/A	19.82	19.82	30.00	Pass
157	5785	N/A	N/A	19.83	19.83	30.00	Pass
165	5825	N/A	N/A	19.93	19.93	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

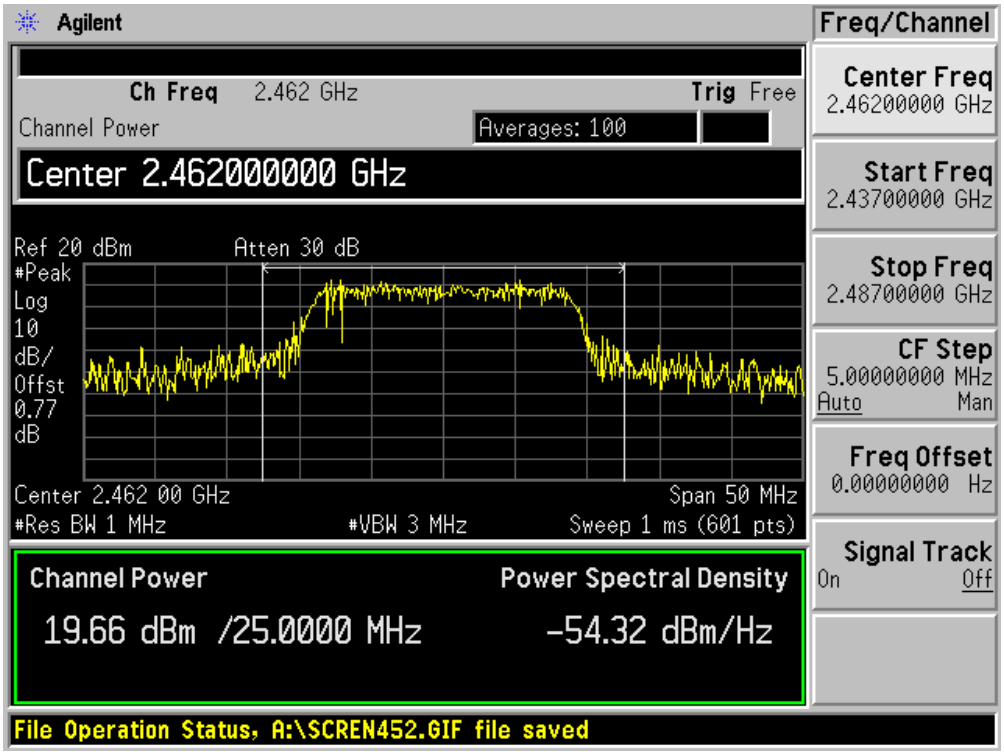
Channel 01 (2412MHz)



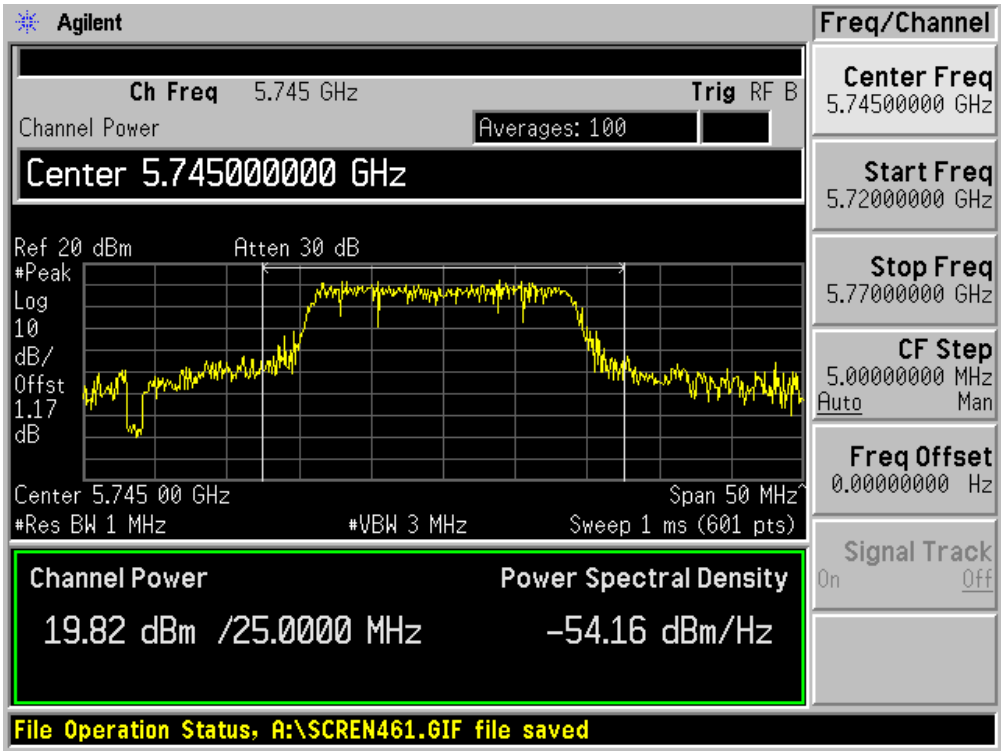
Channel 06 (2437MHz)



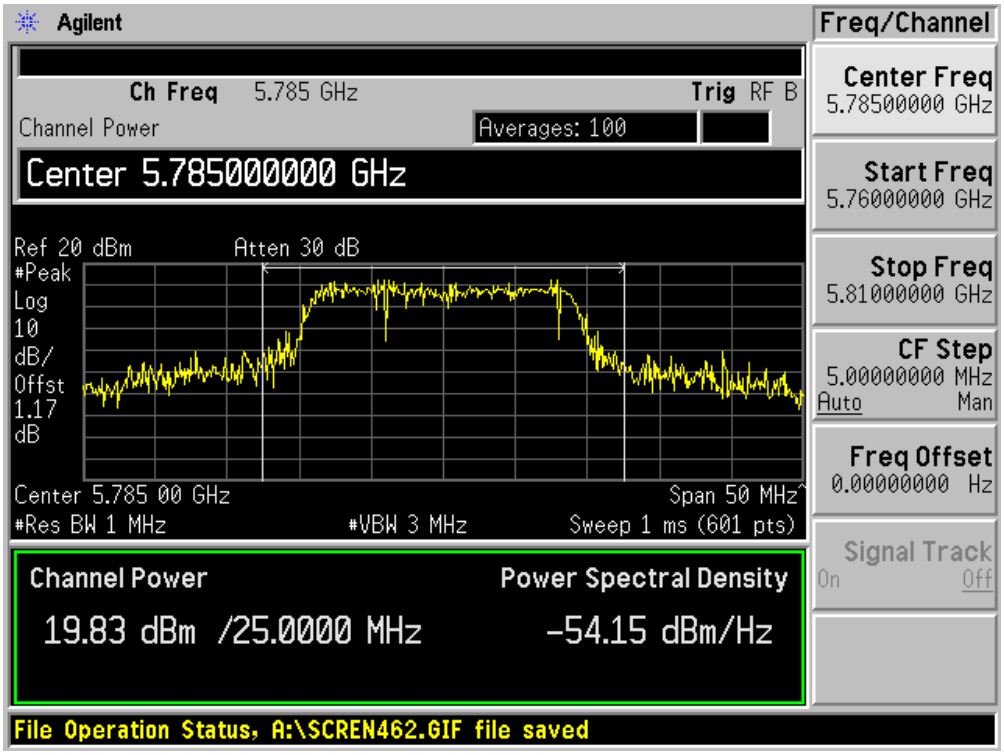
Channel 11 (2462MHz)



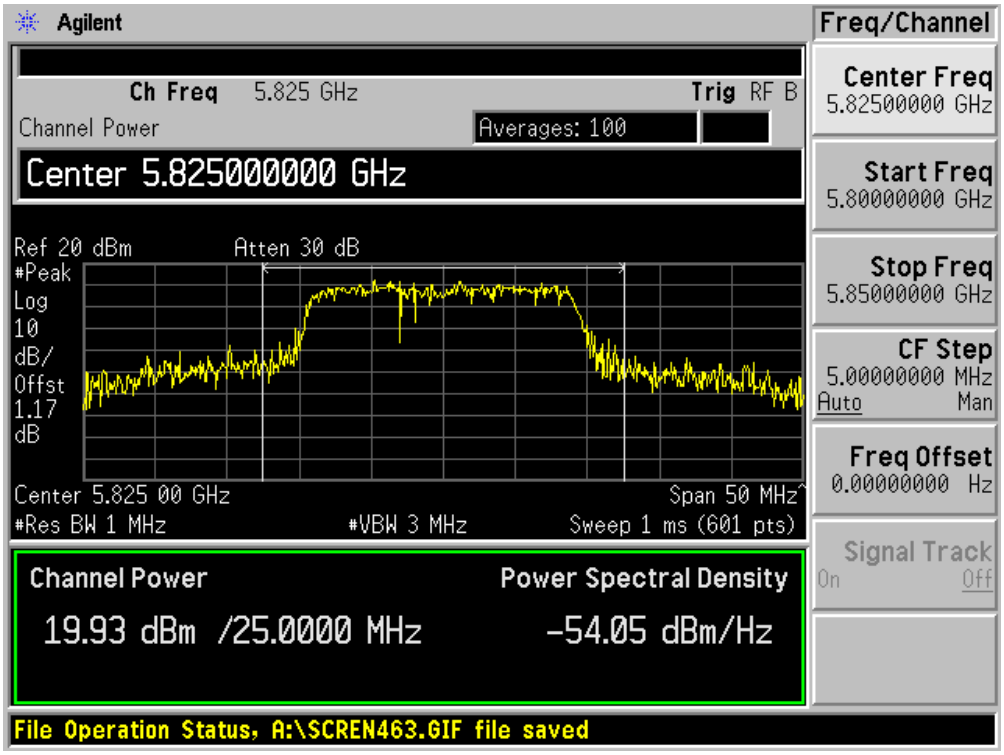
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

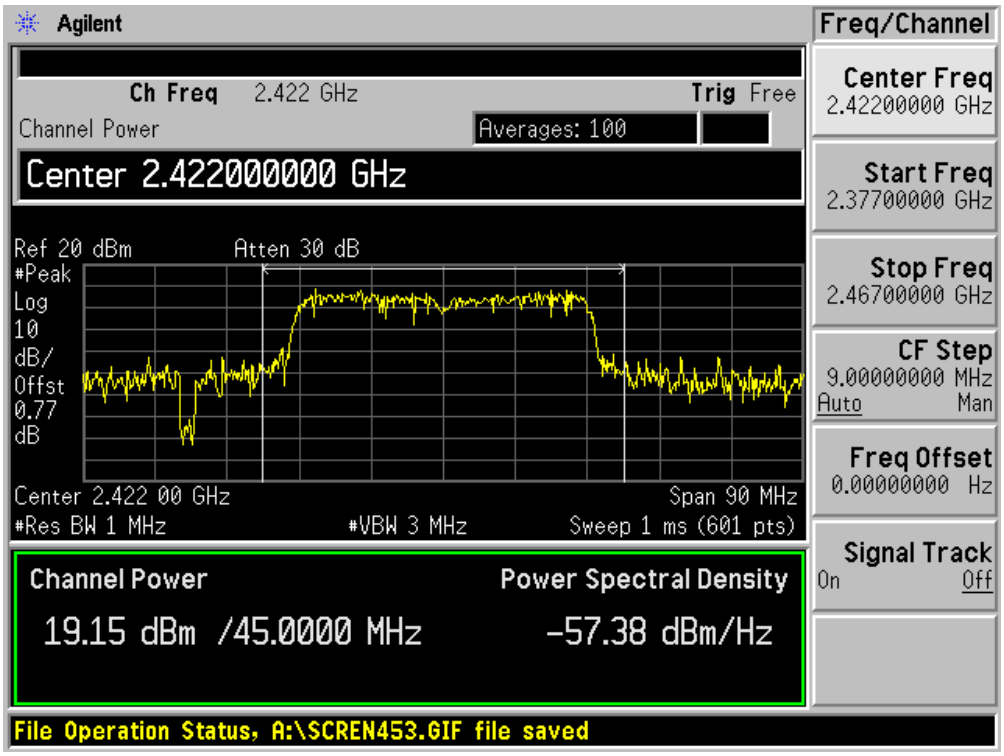


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain C)

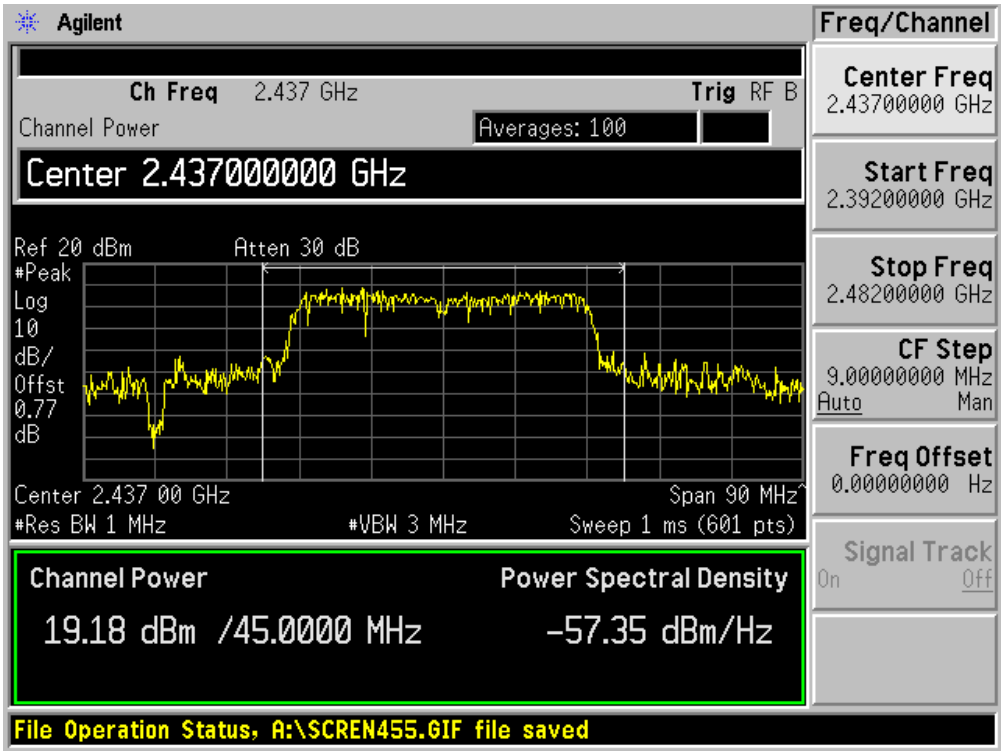
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	N/A	N/A	19.15	19.15	30.00	Pass
6	2437	N/A	N/A	19.18	19.18	30.00	Pass
9	2452	N/A	N/A	19.53	19.53	30.00	Pass
151	5755	N/A	N/A	20.06	20.06	30.00	Pass
159	5795	N/A	N/A	19.77	19.77	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

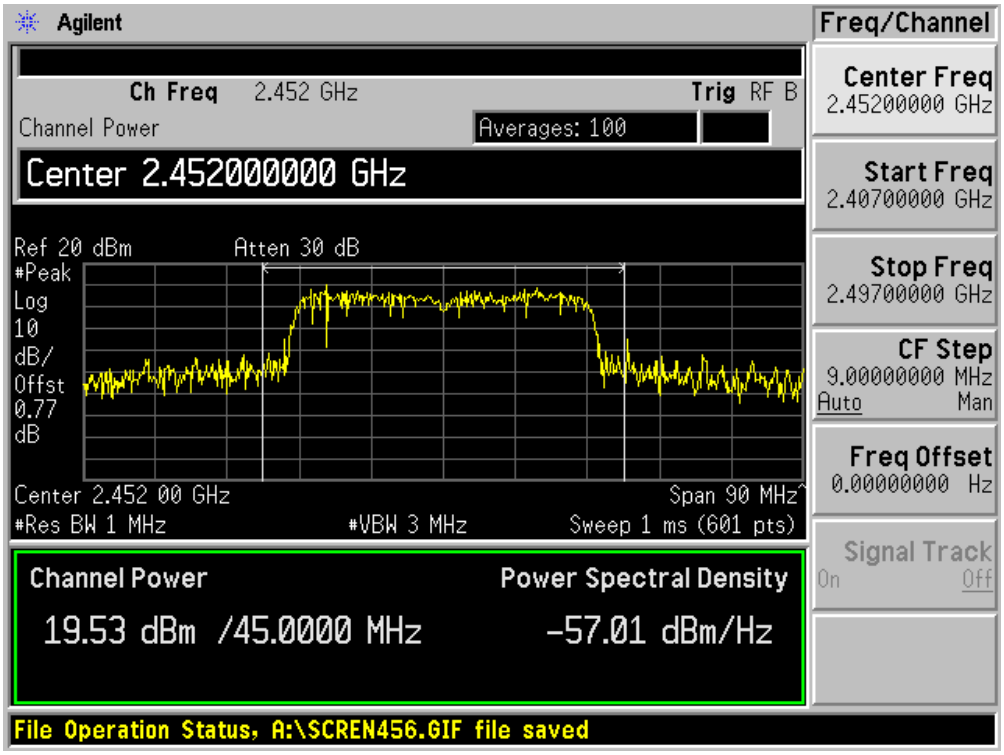
Channel 03 (2422MHz)



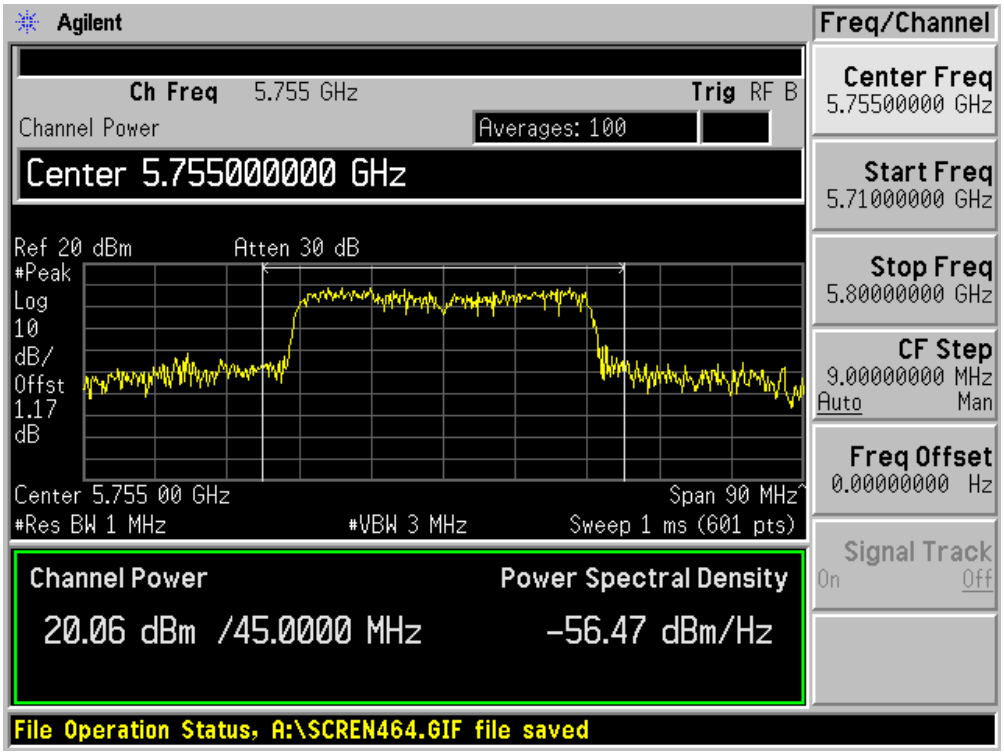
Channel 06 (2437MHz)



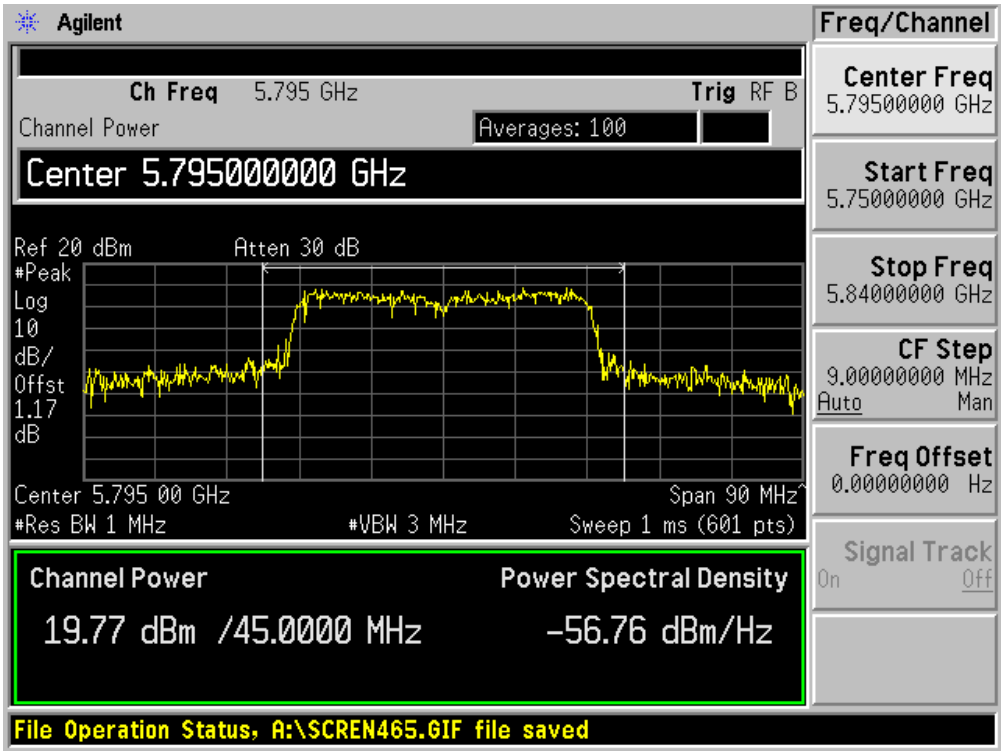
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

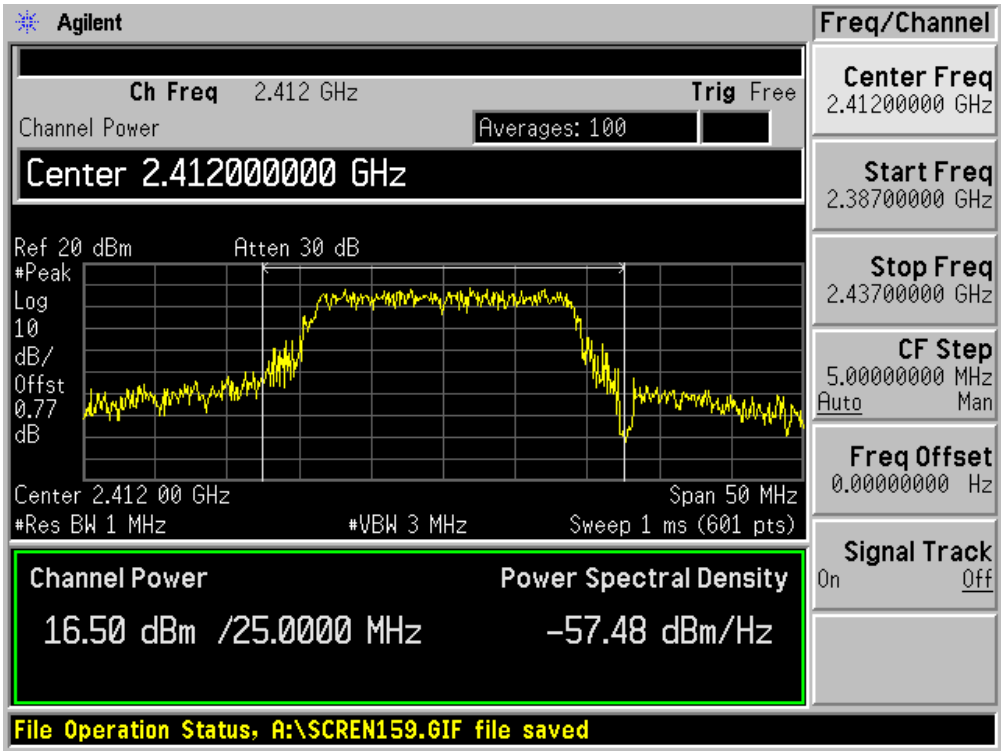


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+B)

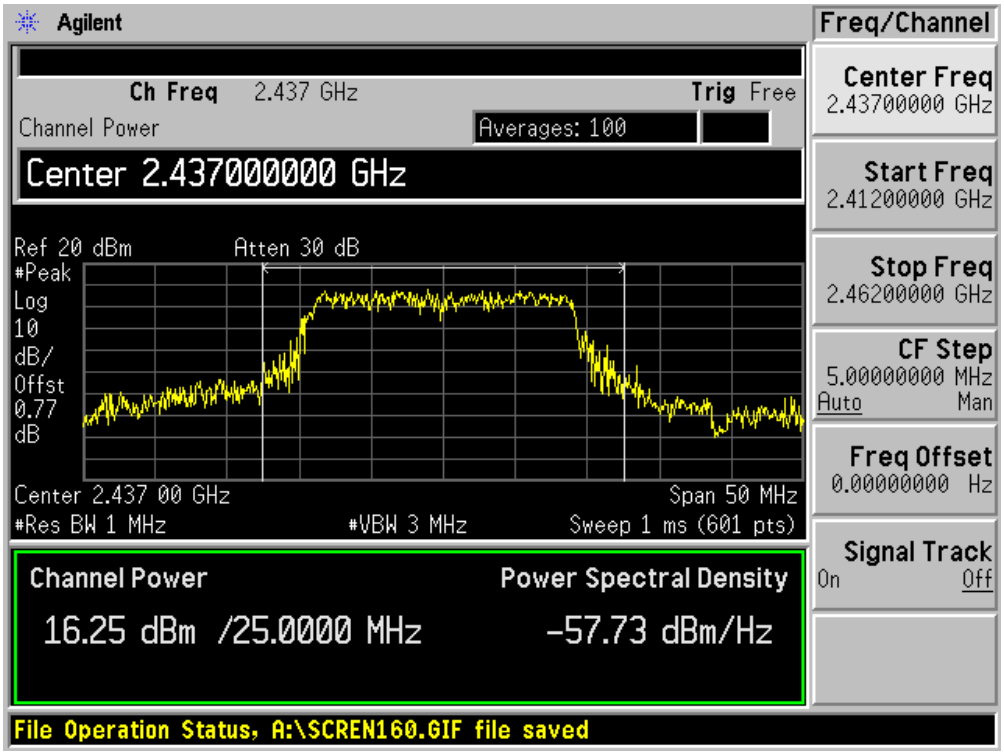
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	16.50	16.22	N/A	19.37	30.00	Pass
6	2437	16.25	16.48	N/A	19.38	30.00	Pass
11	2462	16.48	16.19	N/A	19.35	30.00	Pass
149	5745	18.36	19.76	N/A	22.13	30.00	Pass
157	5785	18.38	18.61	N/A	21.51	30.00	Pass
165	5825	18.58	18.81	N/A	21.71	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

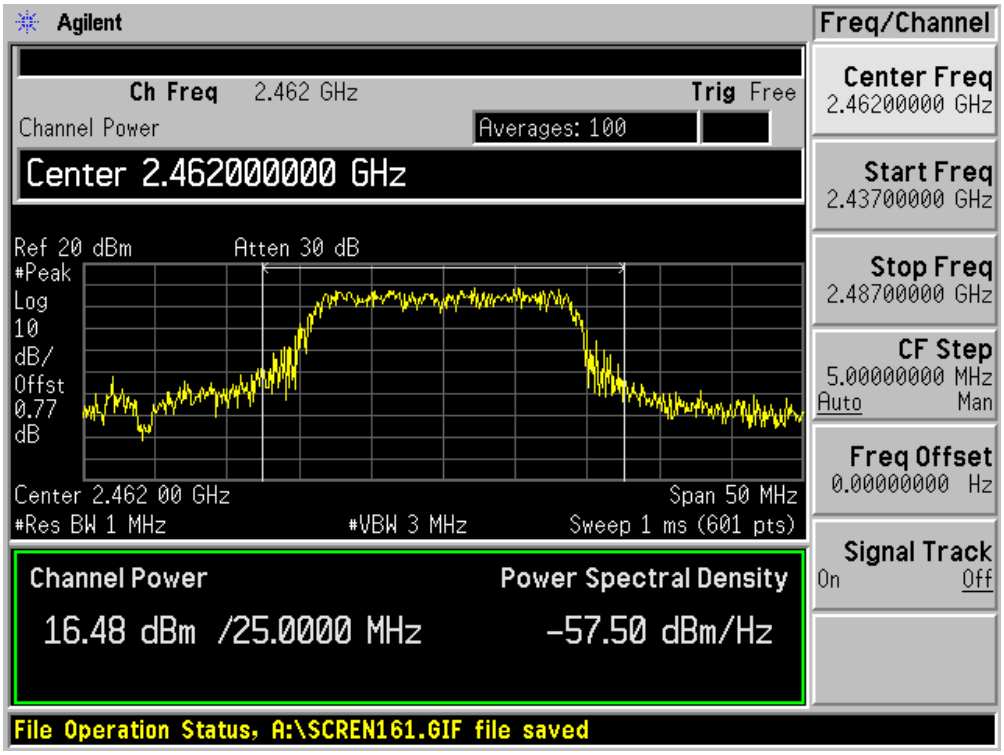
Channel 01 (2412MHz) – Chain A



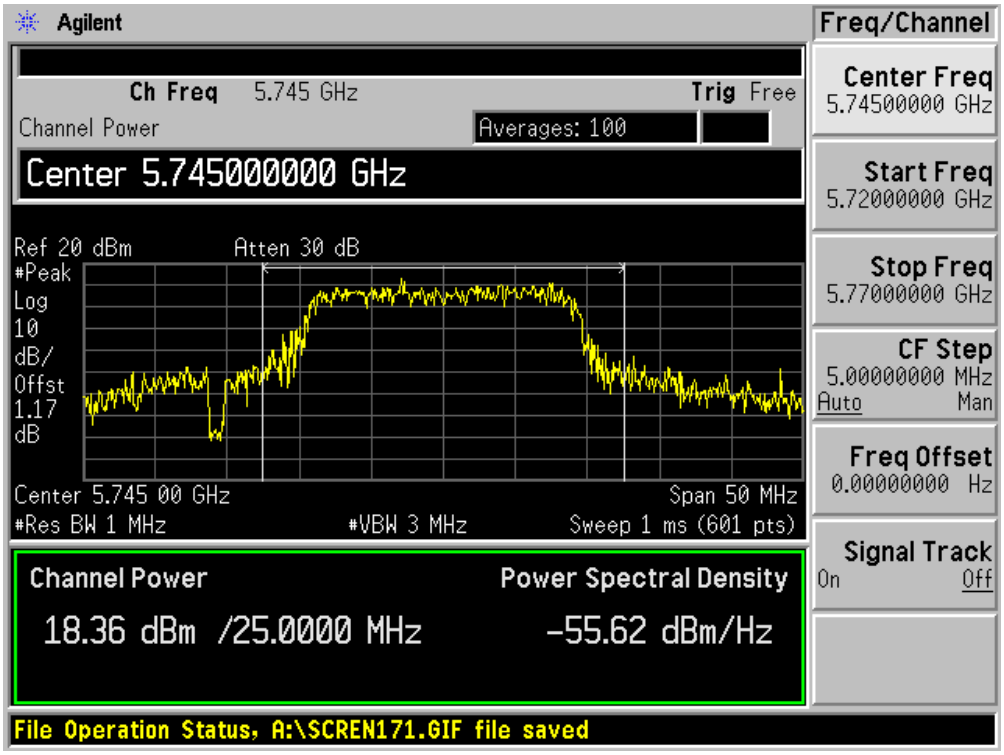
Channel 06 (2437MHz) – Chain A



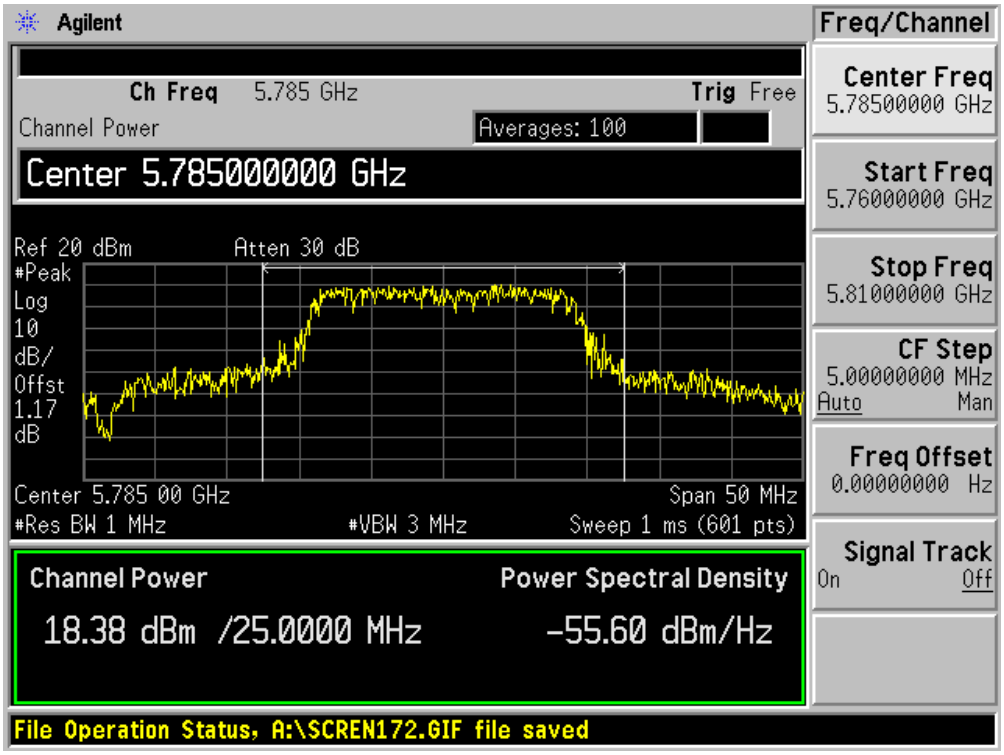
Channel 11 (2462MHz) – Chain A



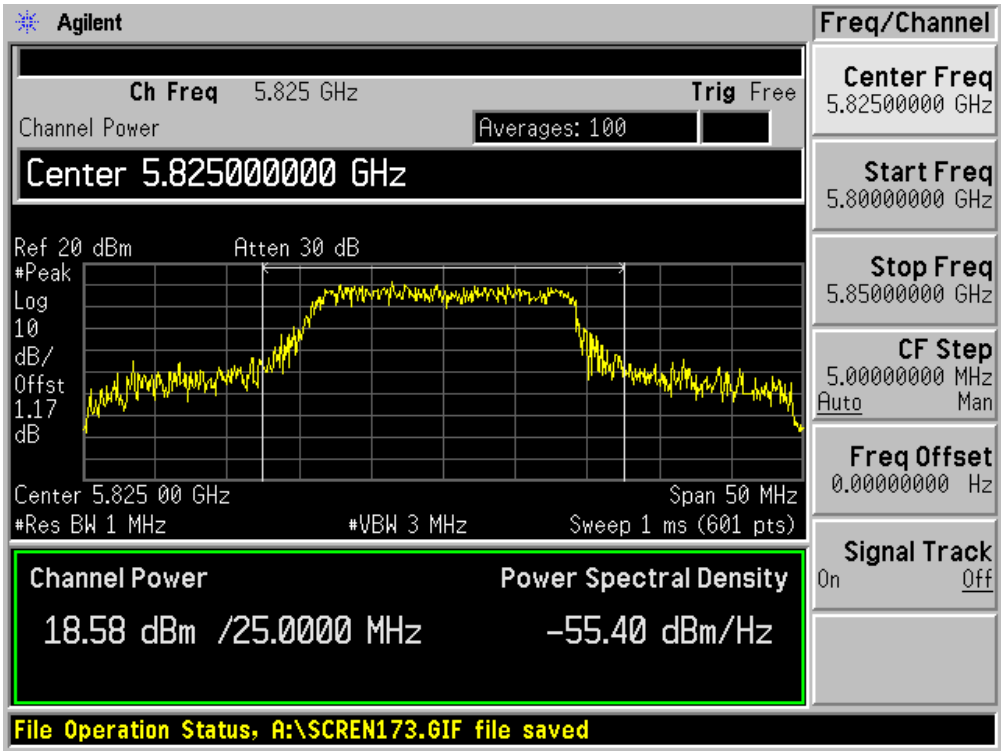
Channel 149 (5745MHz) – Chain A



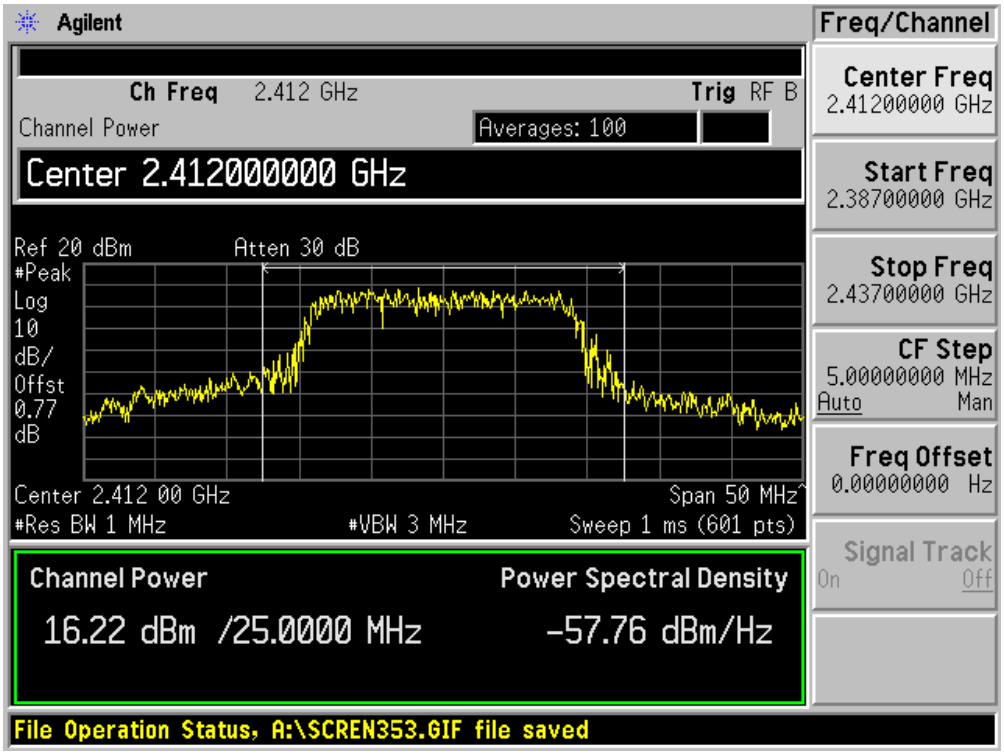
Channel 157 (5785MHz) – Chain A



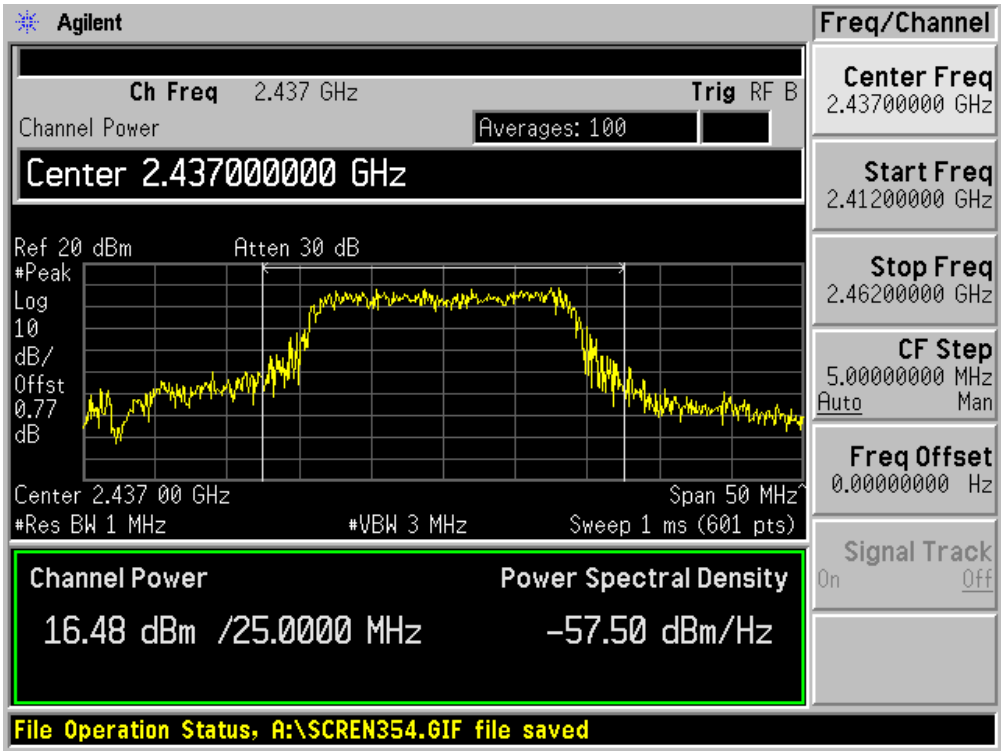
Channel 165 (5825MHz) – Chain A



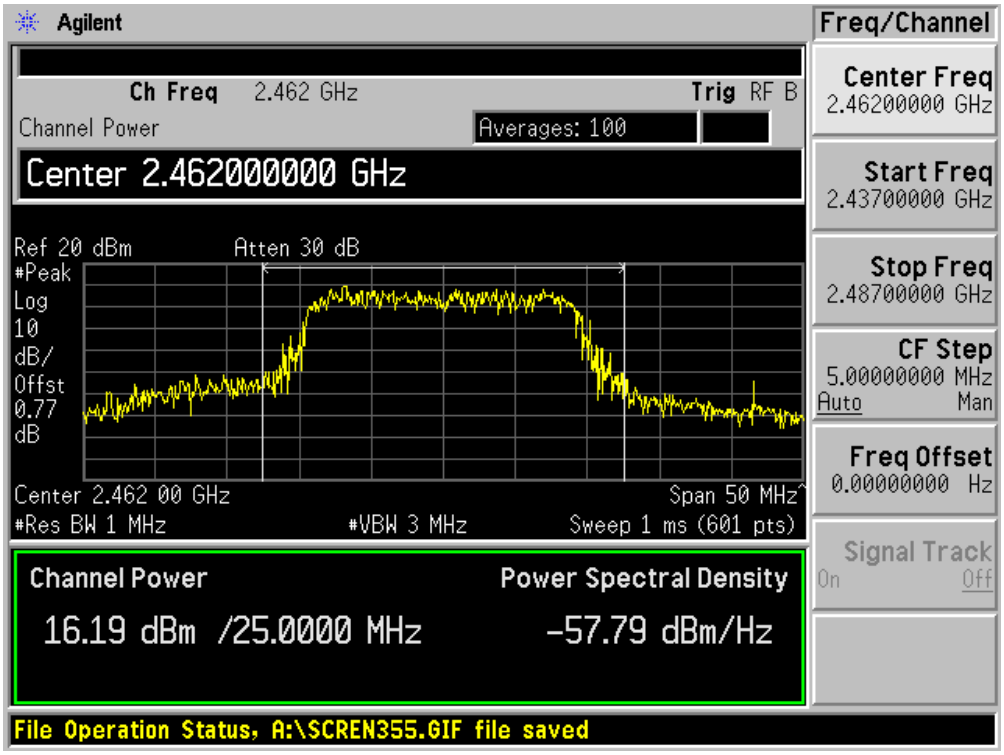
Channel 01 (2412MHz) – Chain B



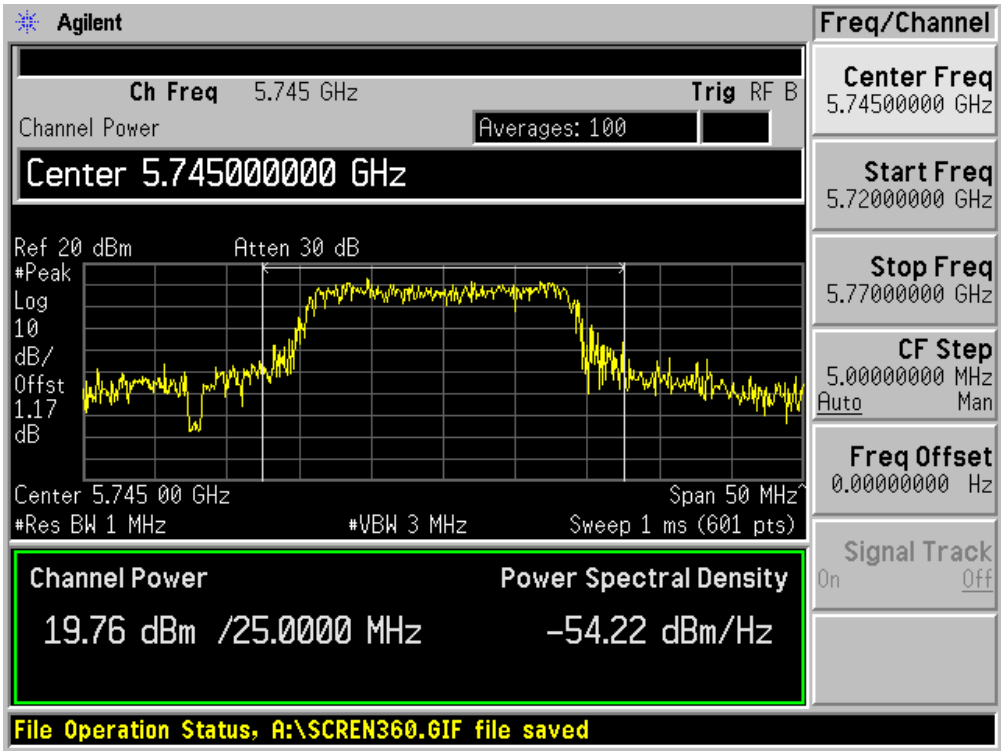
Channel 06 (2437MHz) – Chain B



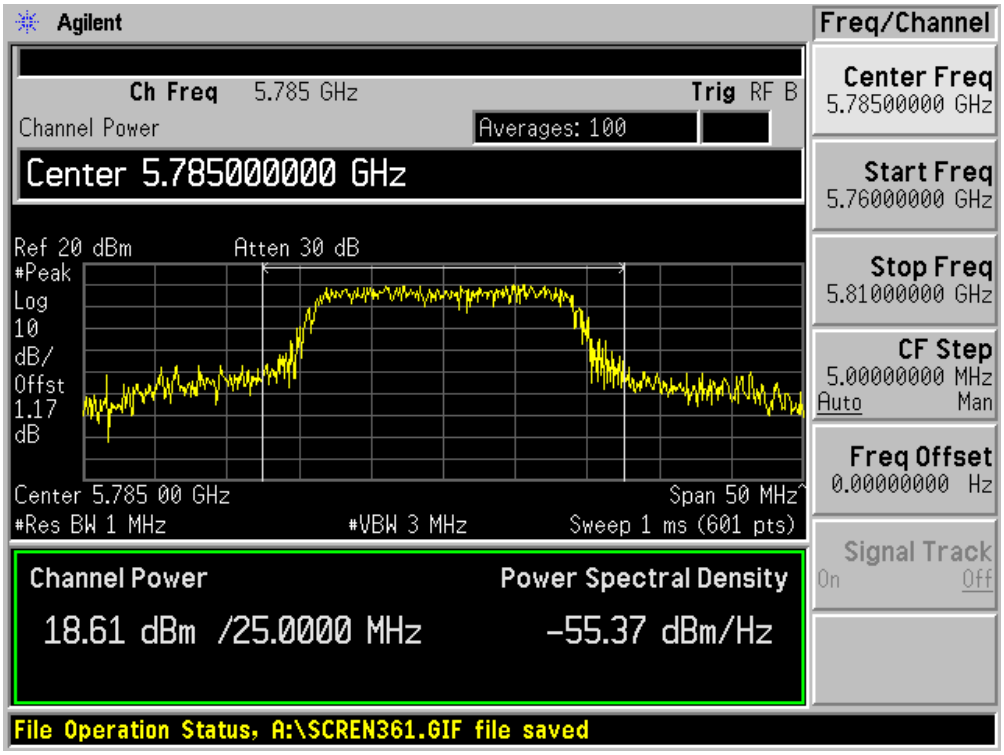
Channel 11 (2462MHz) – Chain B



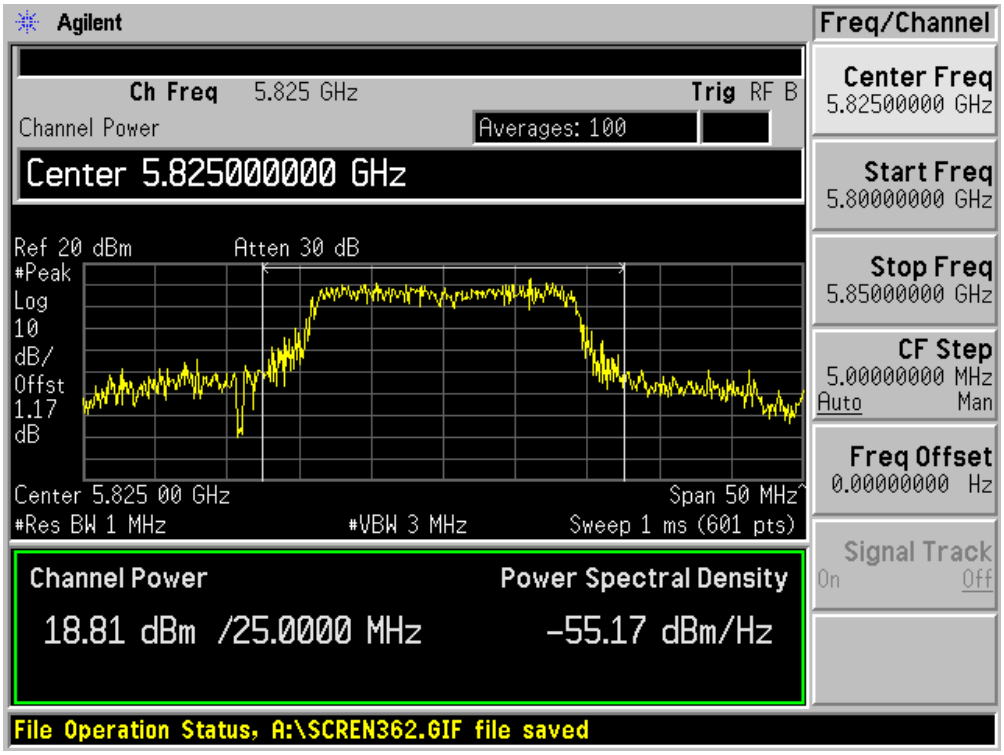
Channel 149 (5745MHz) – Chain B



Channel 157 (5785MHz) – Chain B



Channel 165 (5825MHz) – Chain B

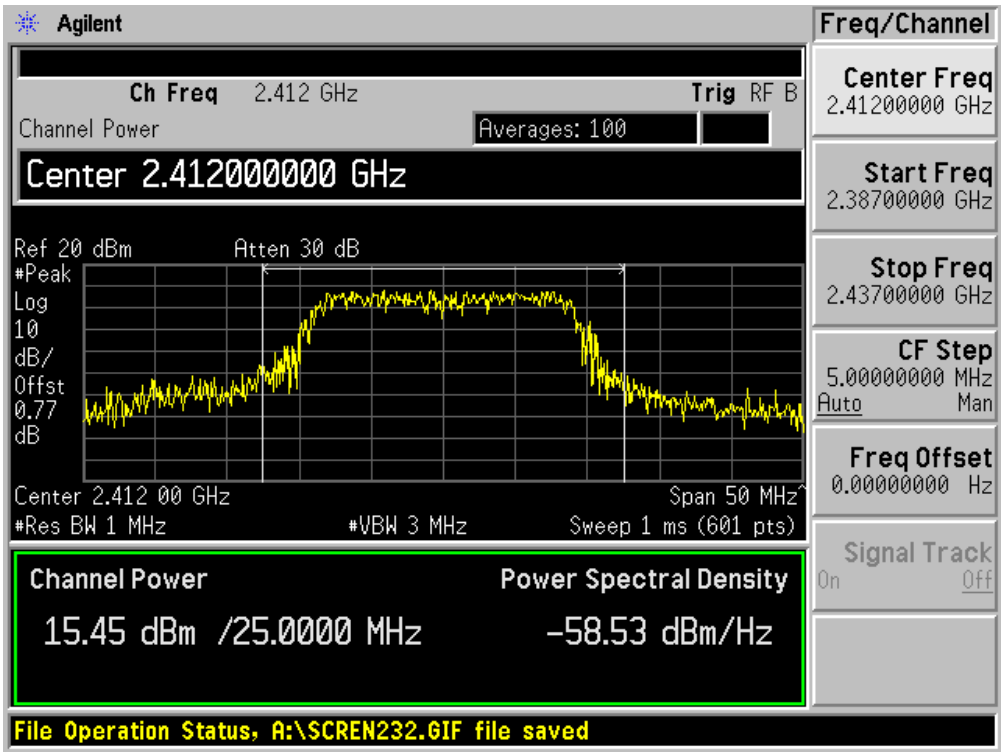


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+C)

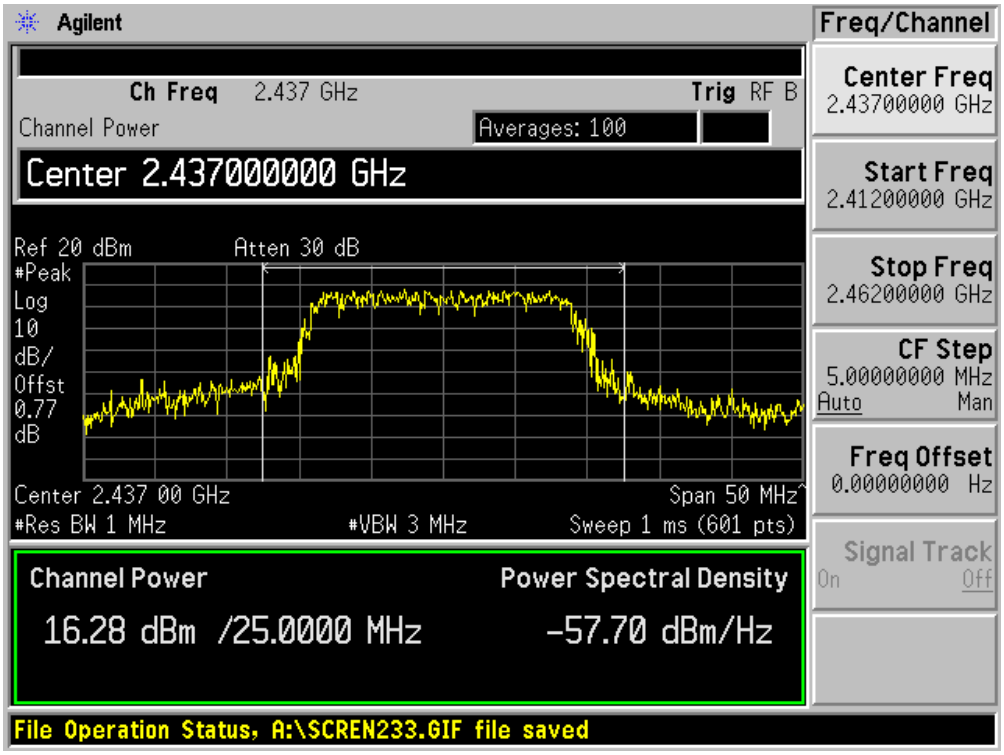
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	15.45	N/A	15.92	18.70	30.00	Pass
6	2437	16.28	N/A	16.34	19.32	30.00	Pass
11	2462	16.57	N/A	16.98	19.79	30.00	Pass
149	5745	18.78	N/A	16.52	20.81	30.00	Pass
157	5785	18.04	N/A	16.95	20.54	30.00	Pass
165	5825	18.83	N/A	17.07	21.05	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

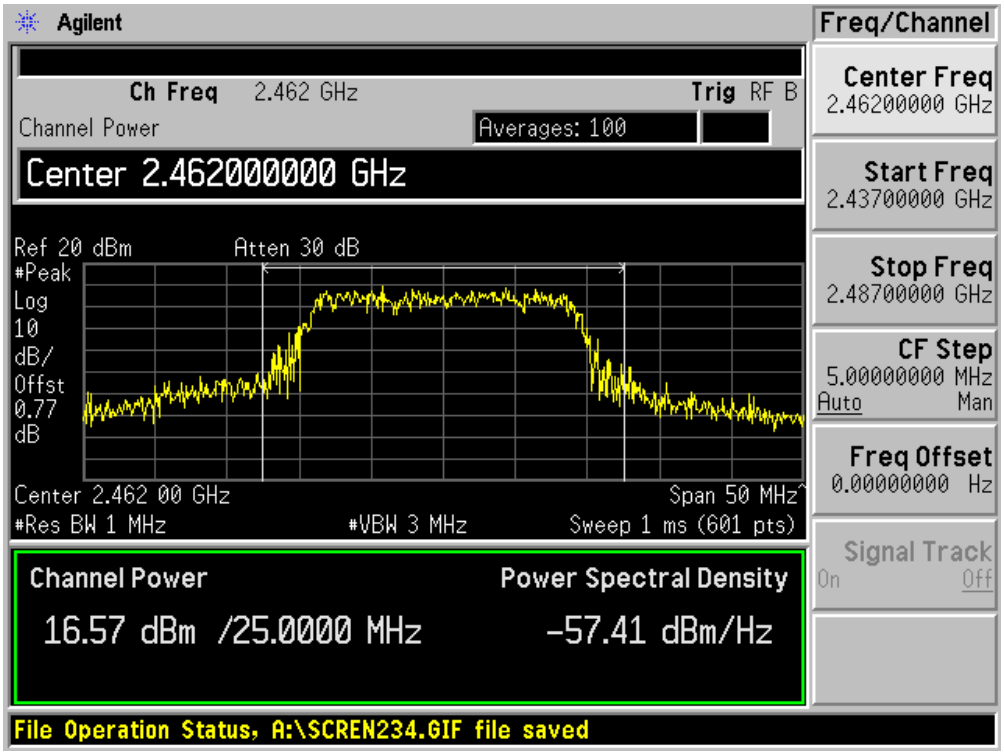
Channel 01 (2412MHz) – Chain A



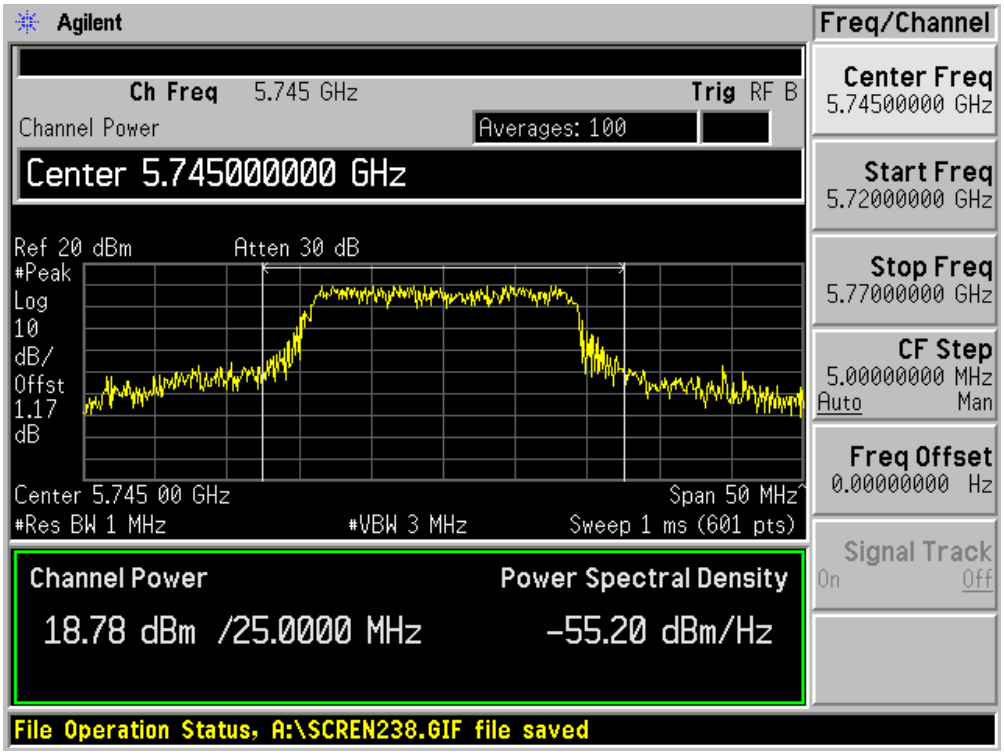
Channel 06 (2437MHz) – Chain A



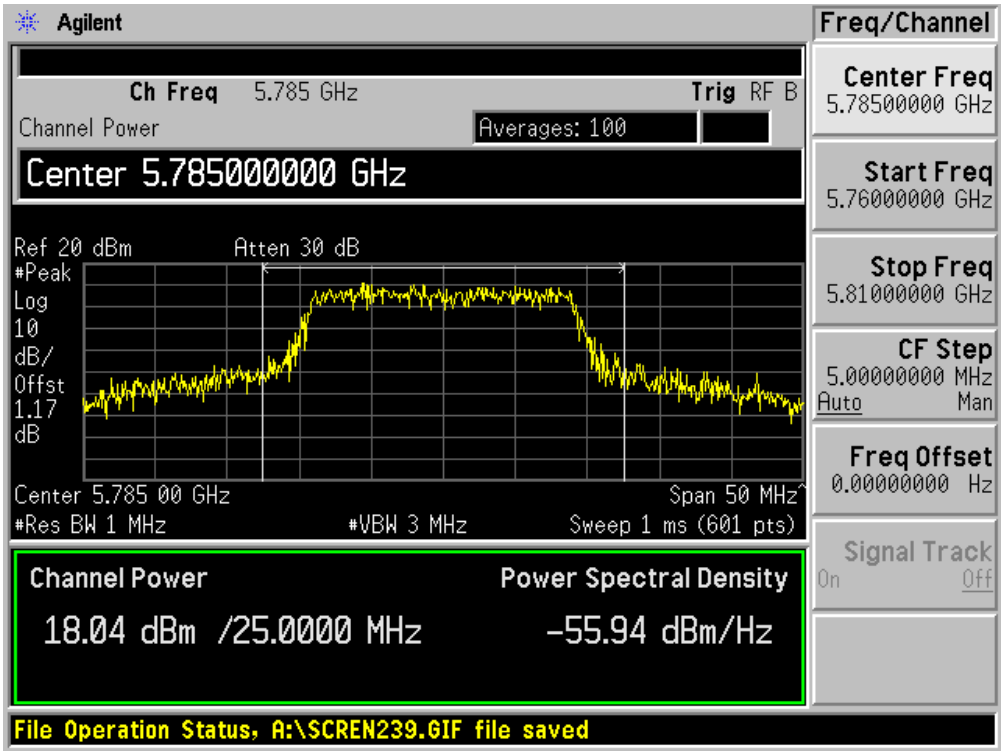
Channel 11 (2462MHz) – Chain A



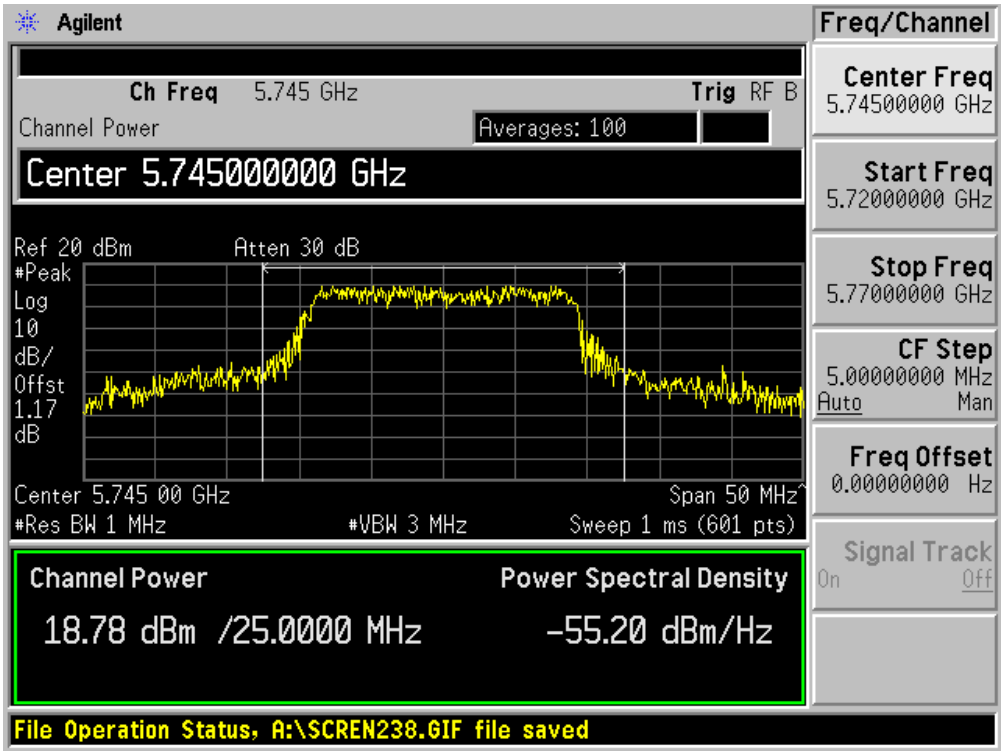
Channel 149 (5745MHz) – Chain A



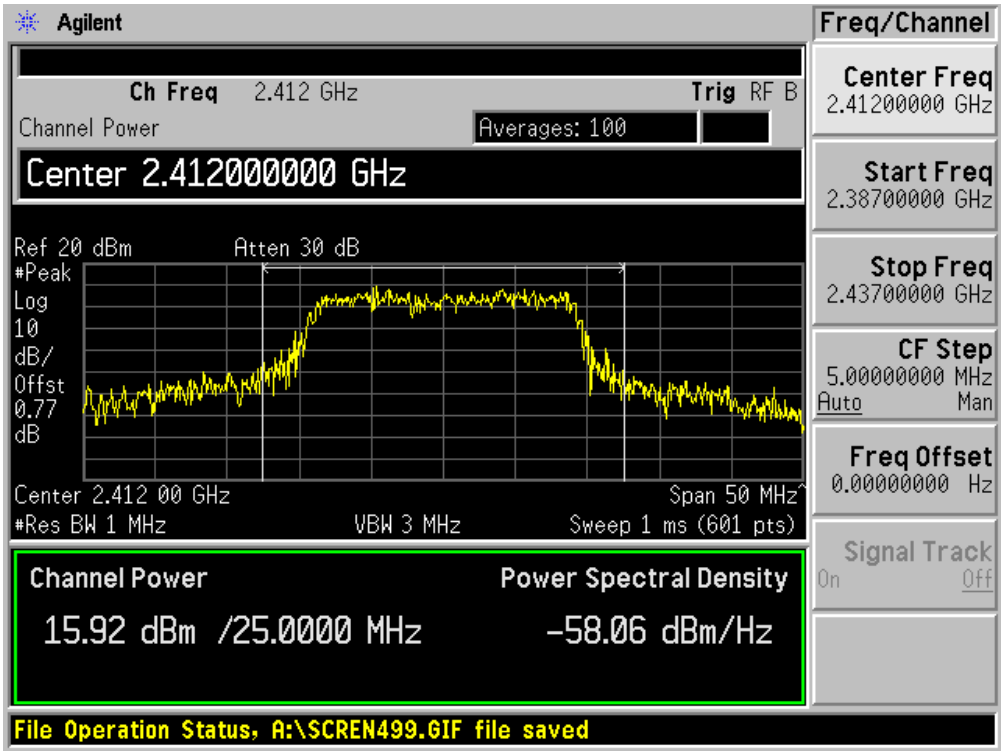
Channel 157 (5785MHz) – Chain A



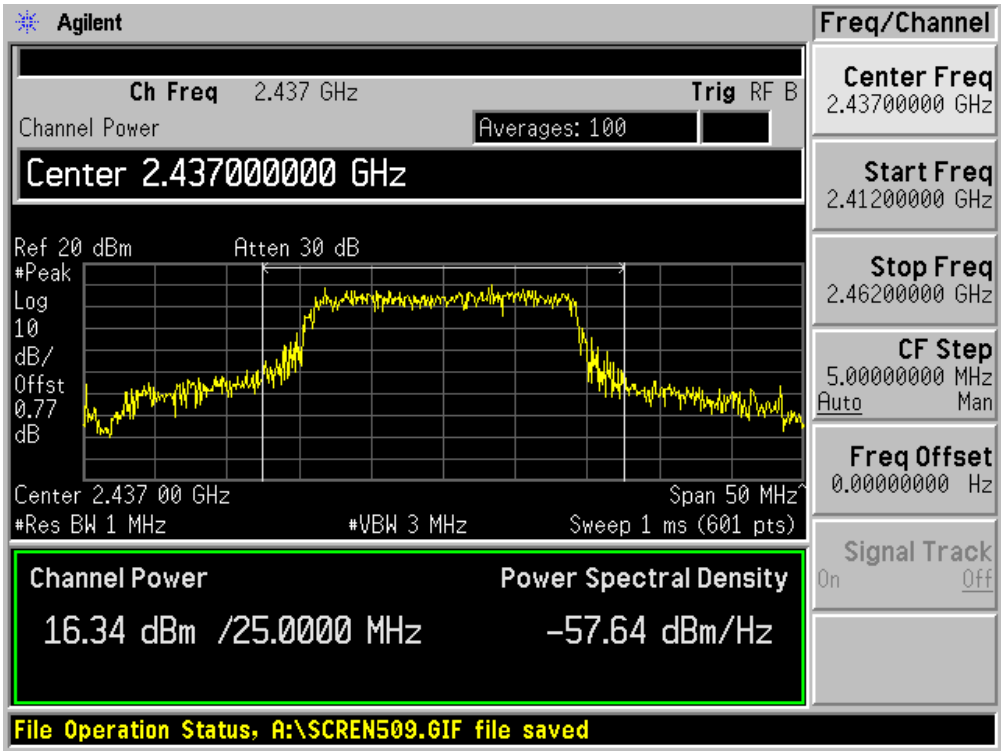
Channel 165 (5825MHz) – Chain A



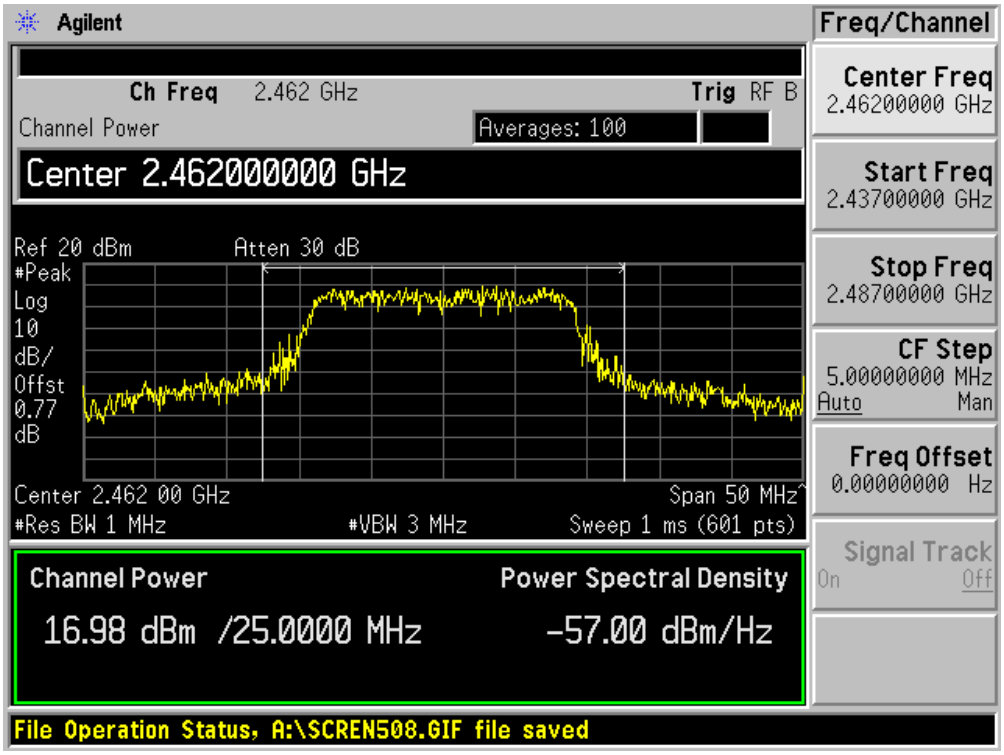
Channel 01 (2412MHz) – Chain C



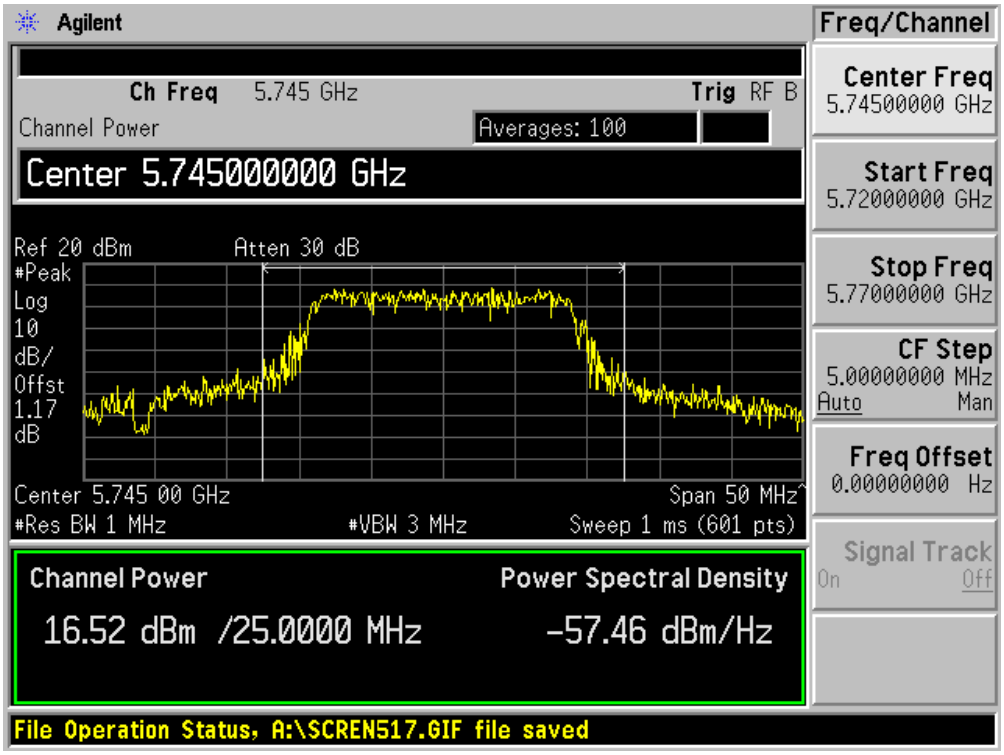
Channel 06 (2437MHz) – Chain C



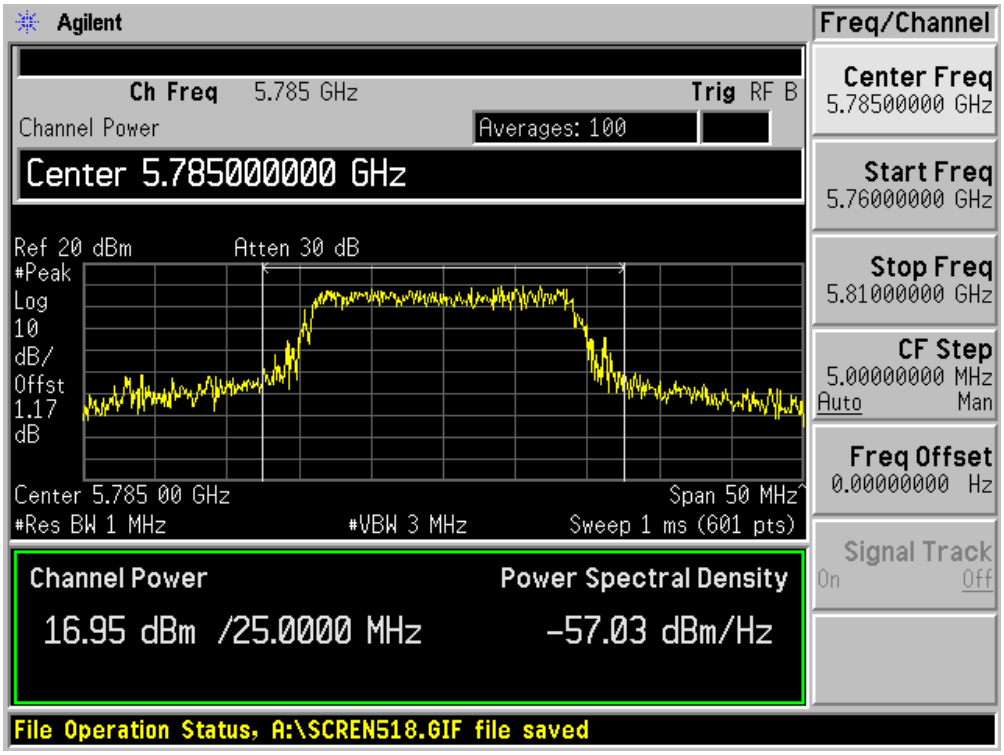
Channel 11 (2462MHz) – Chain C



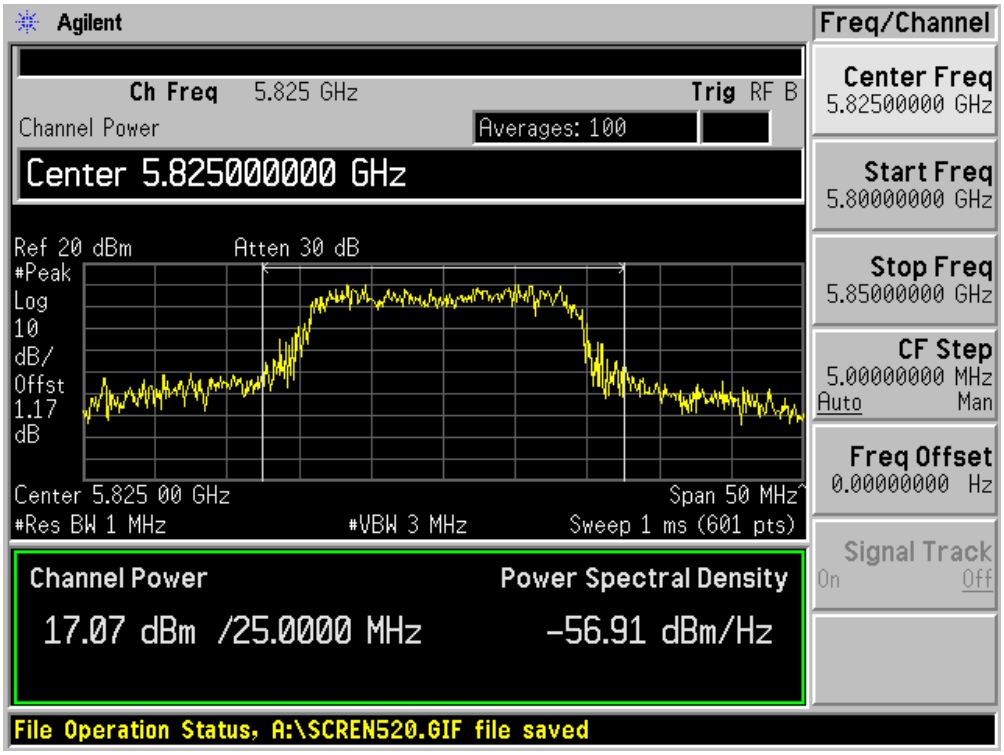
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



Channel 165 (5825MHz) – Chain C

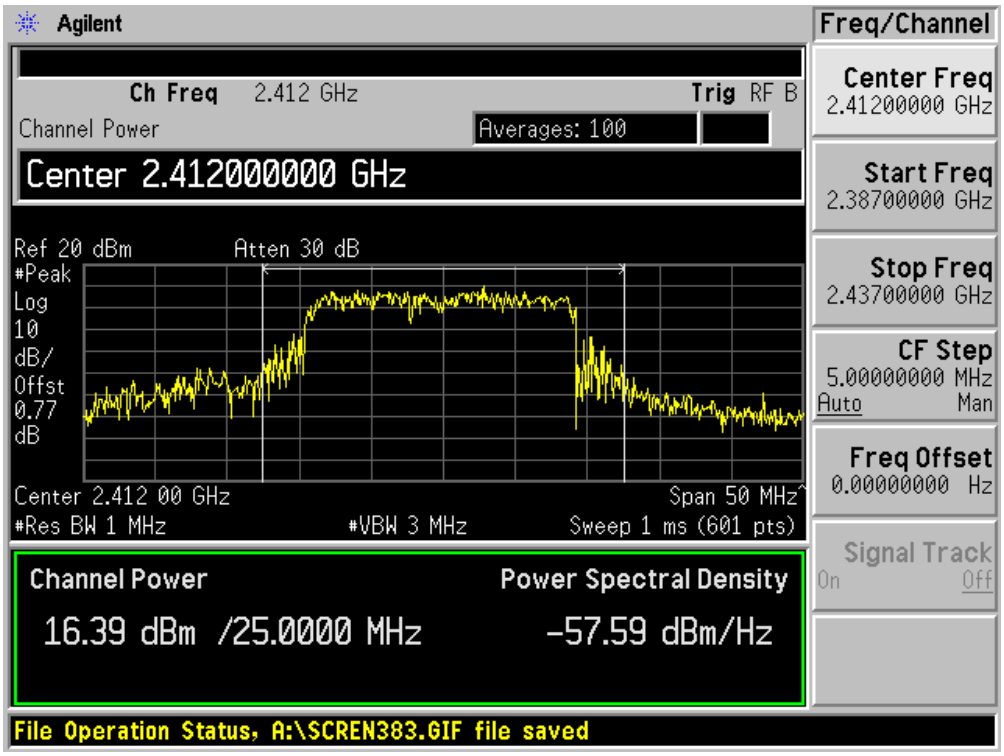


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain B+C)

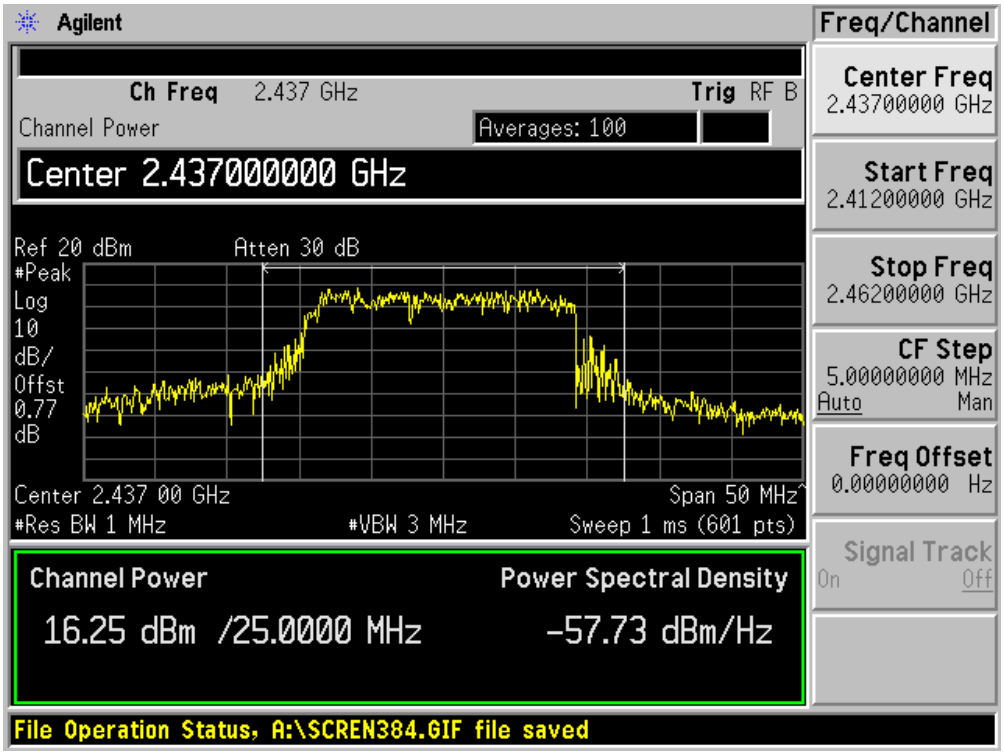
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	N/A	16.39	16.74	19.58	30.00	Pass
6	2437	N/A	16.25	16.54	19.41	30.00	Pass
11	2462	N/A	16.35	16.00	19.19	30.00	Pass
149	5745	N/A	16.09	16.81	19.48	30.00	Pass
157	5785	N/A	16.41	16.78	19.61	30.00	Pass
165	5825	N/A	16.48	16.94	19.73	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

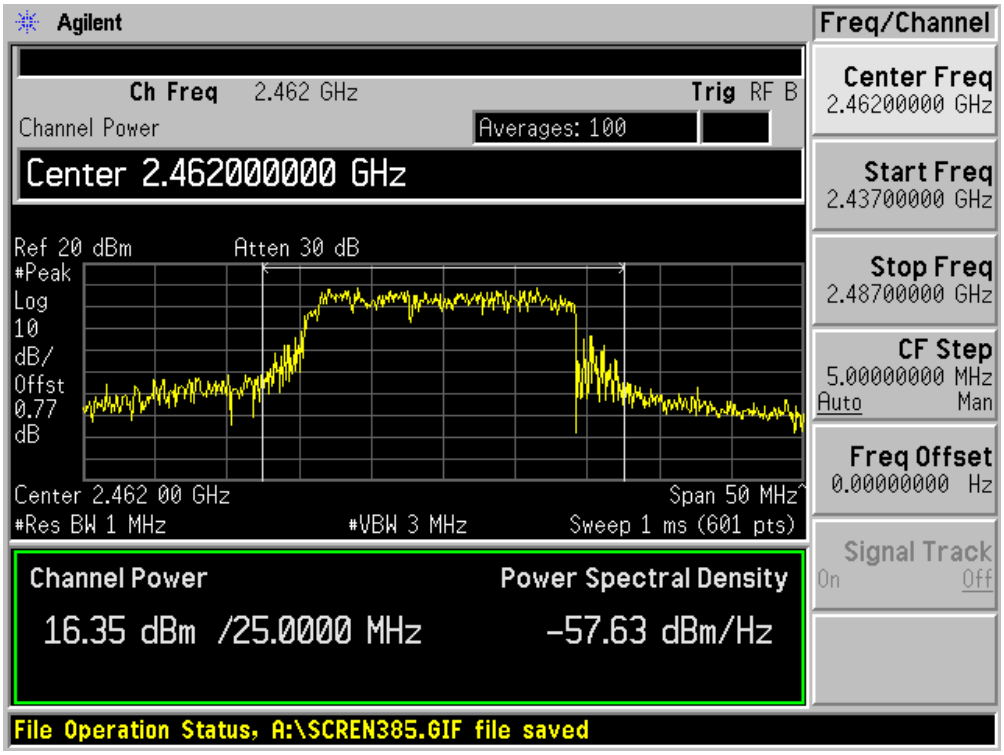
Channel 01 (2412MHz) – Chain B



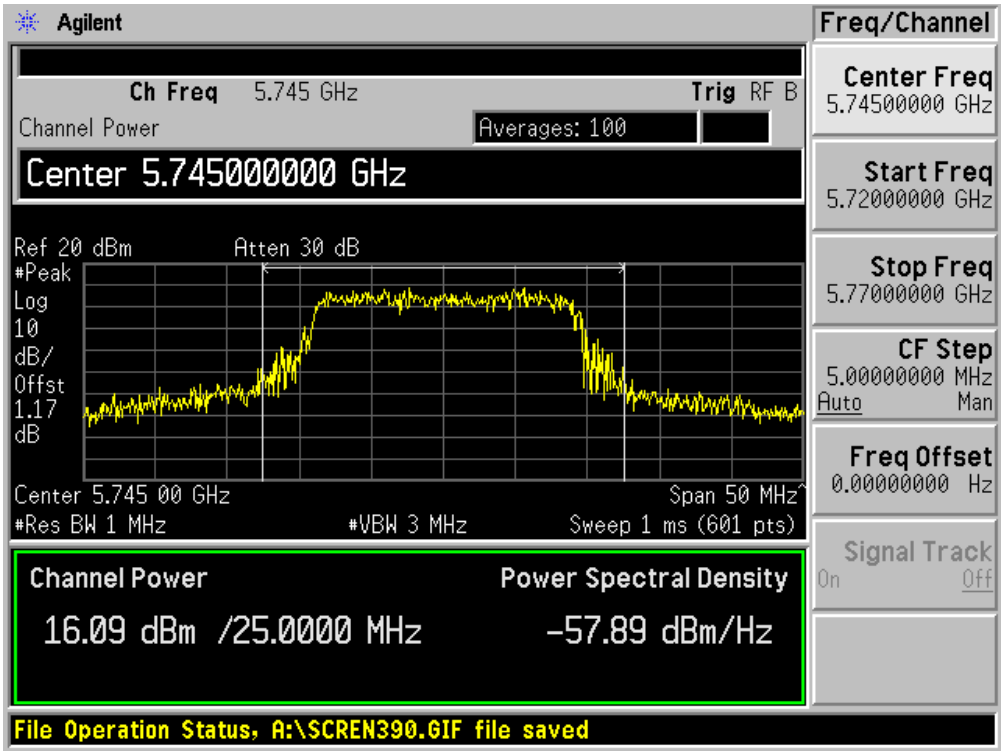
Channel 06 (2437MHz) – Chain B



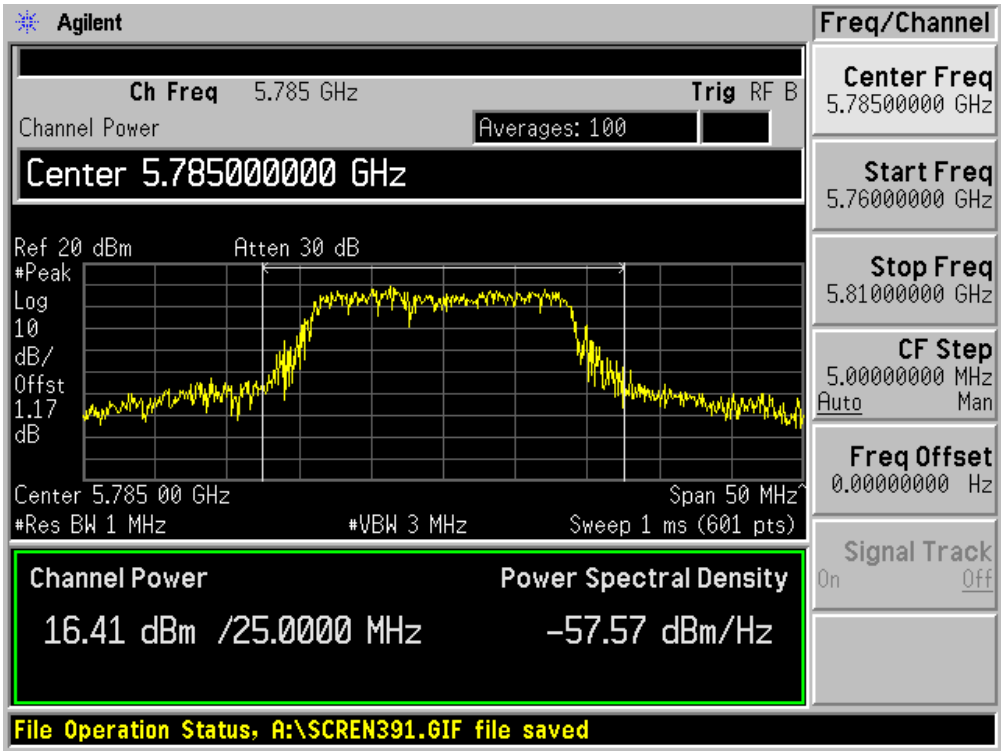
Channel 11 (2462MHz) – Chain B



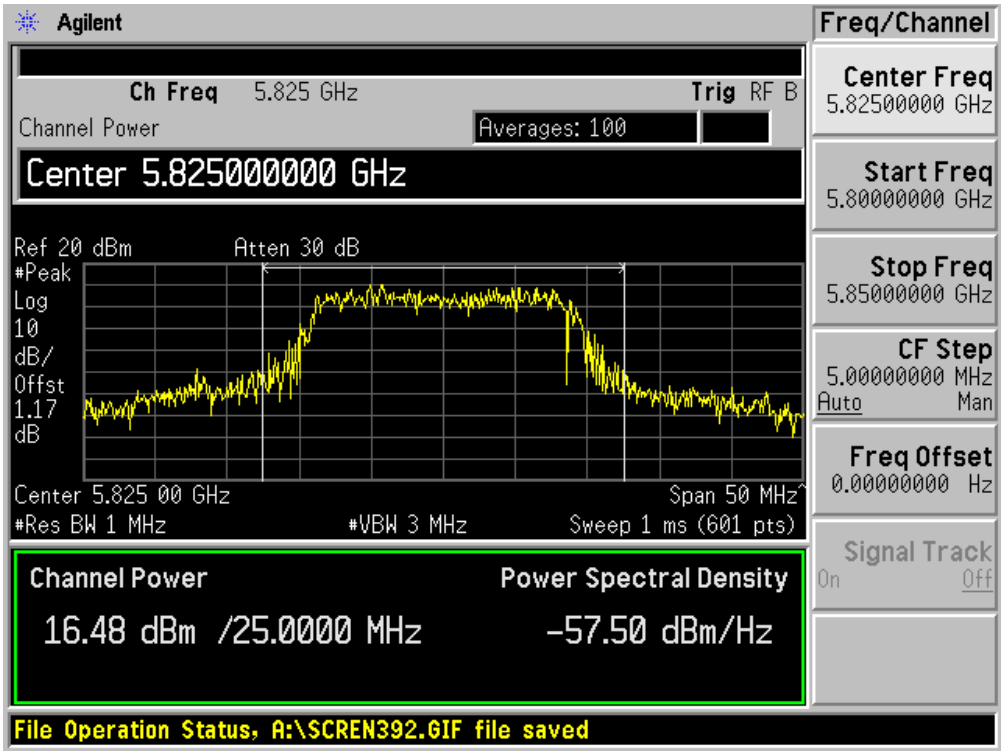
Channel 149 (5745MHz) – Chain B



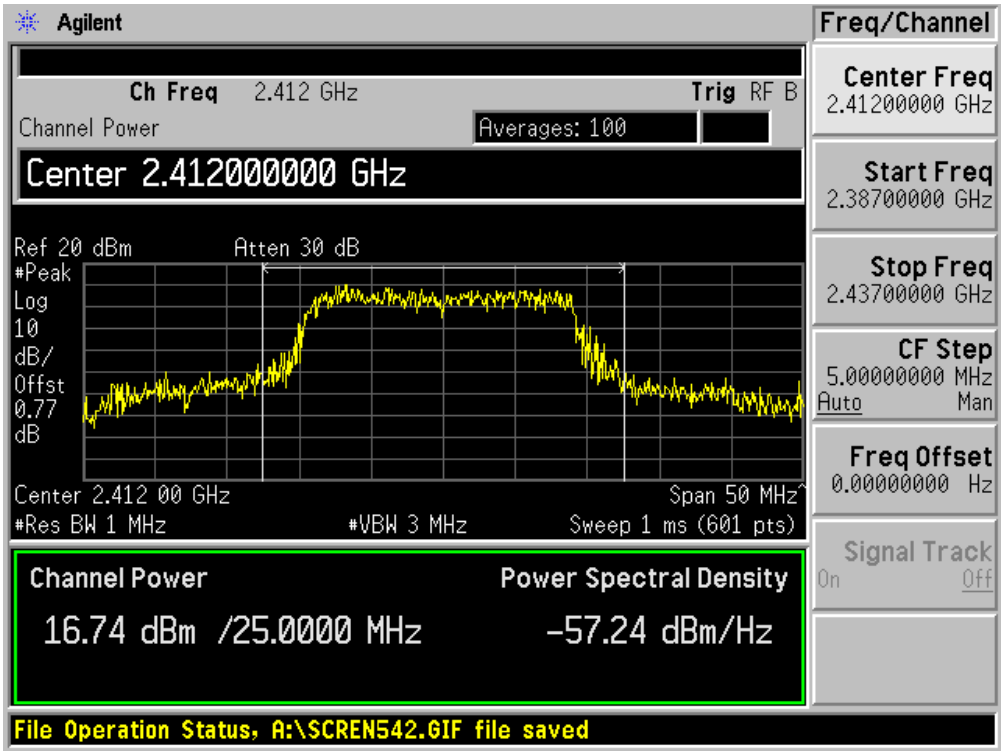
Channel 157 (5785MHz) – Chain B



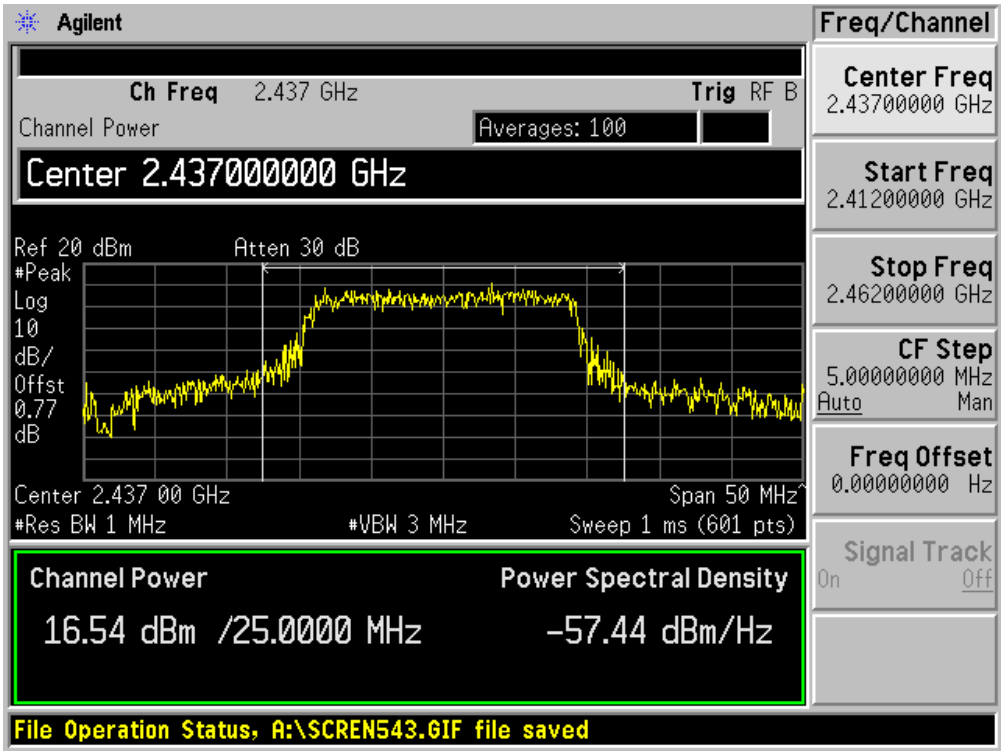
Channel 165 (5825MHz) – Chain B



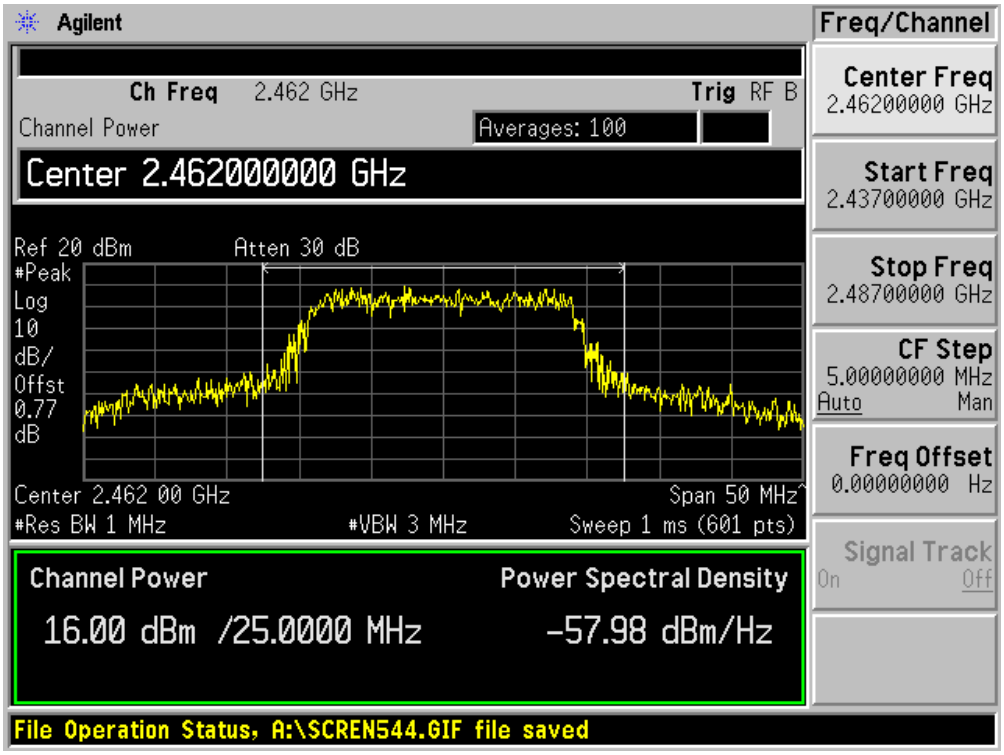
Channel 01 (2412MHz) – Chain C



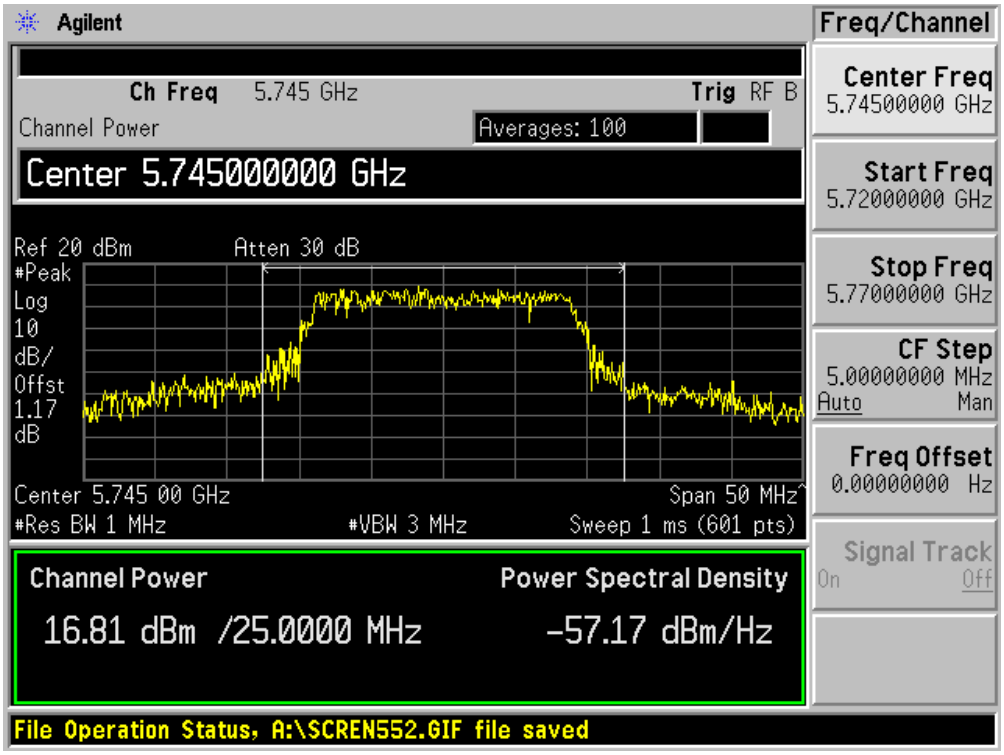
Channel 06 (2437MHz) – Chain C



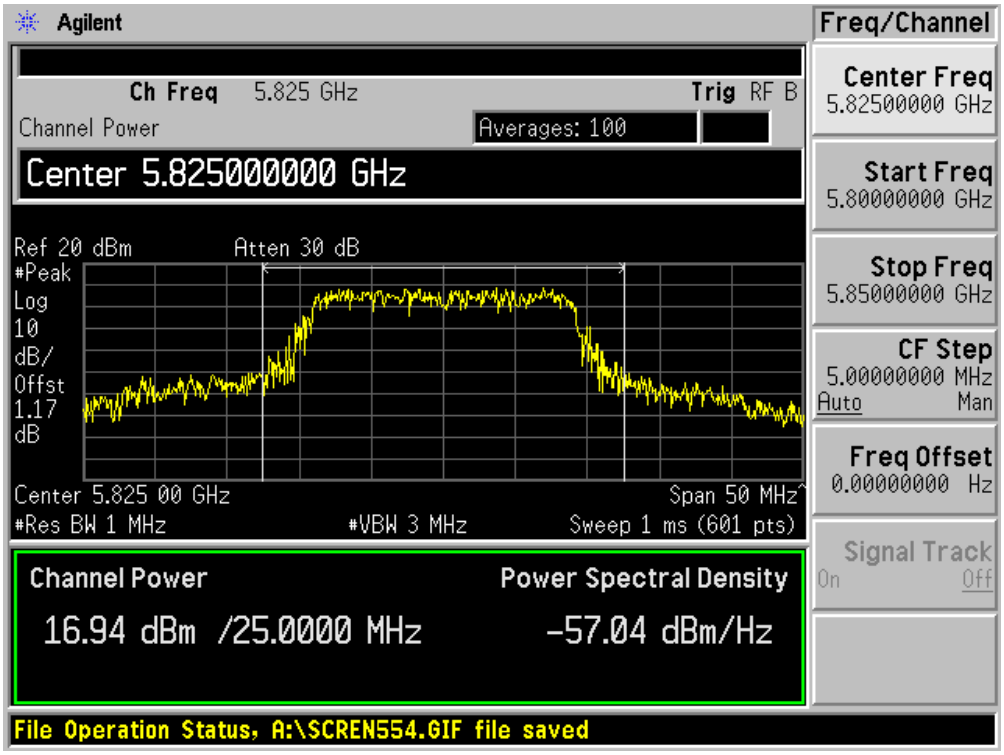
Channel 11 (2462MHz) – Chain C



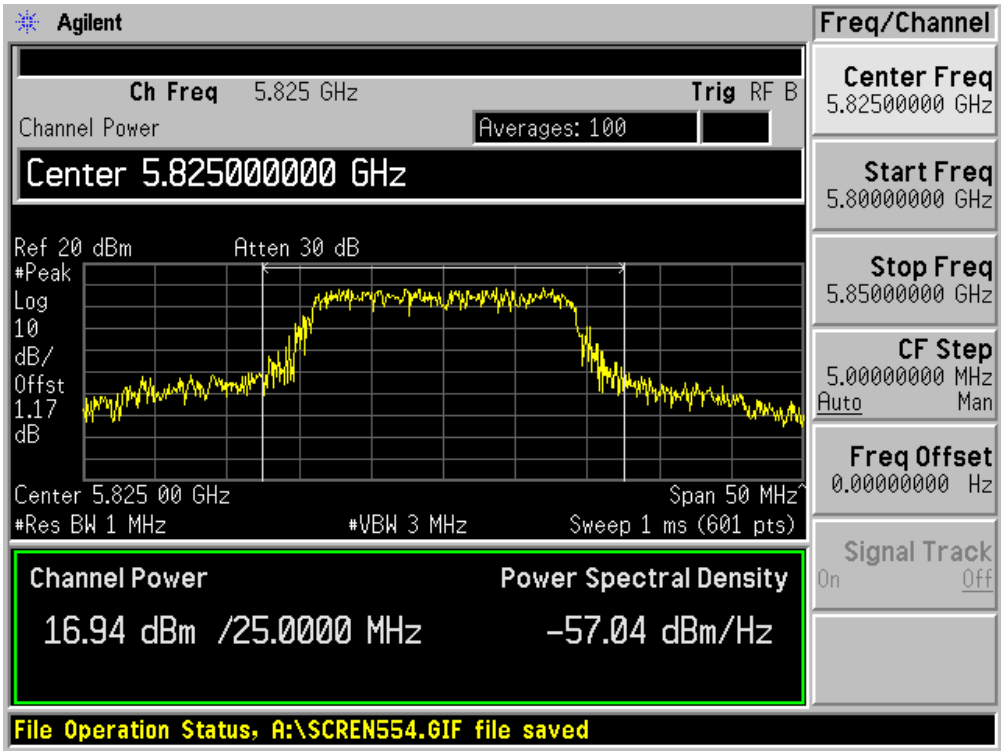
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



Channel 165 (5825MHz) – Chain C

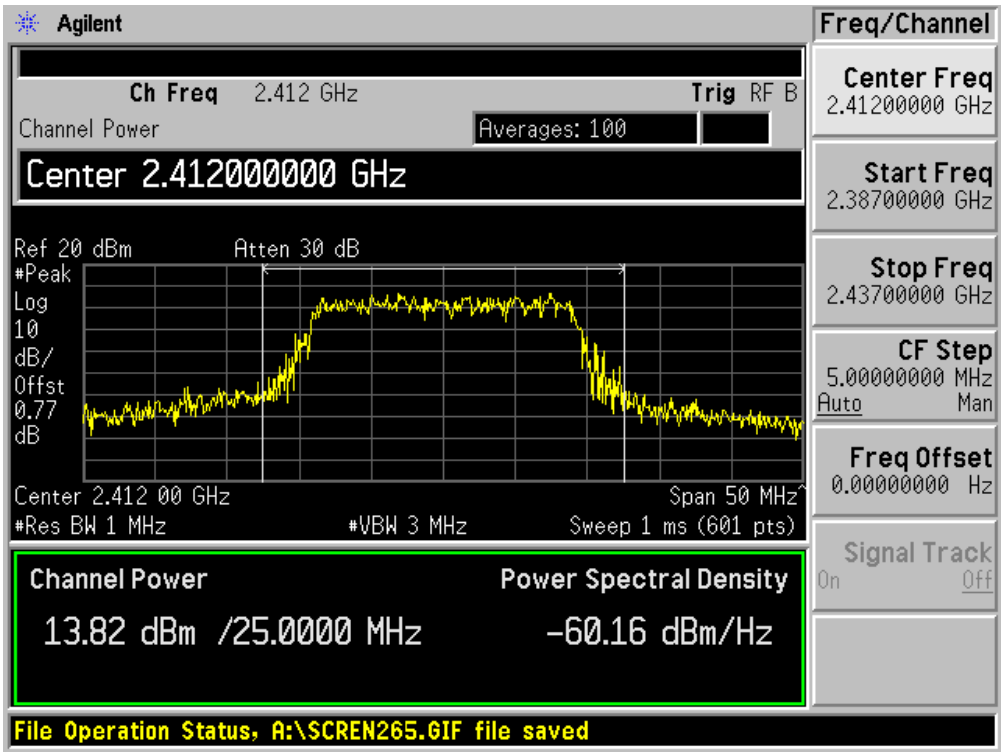


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+B+C)

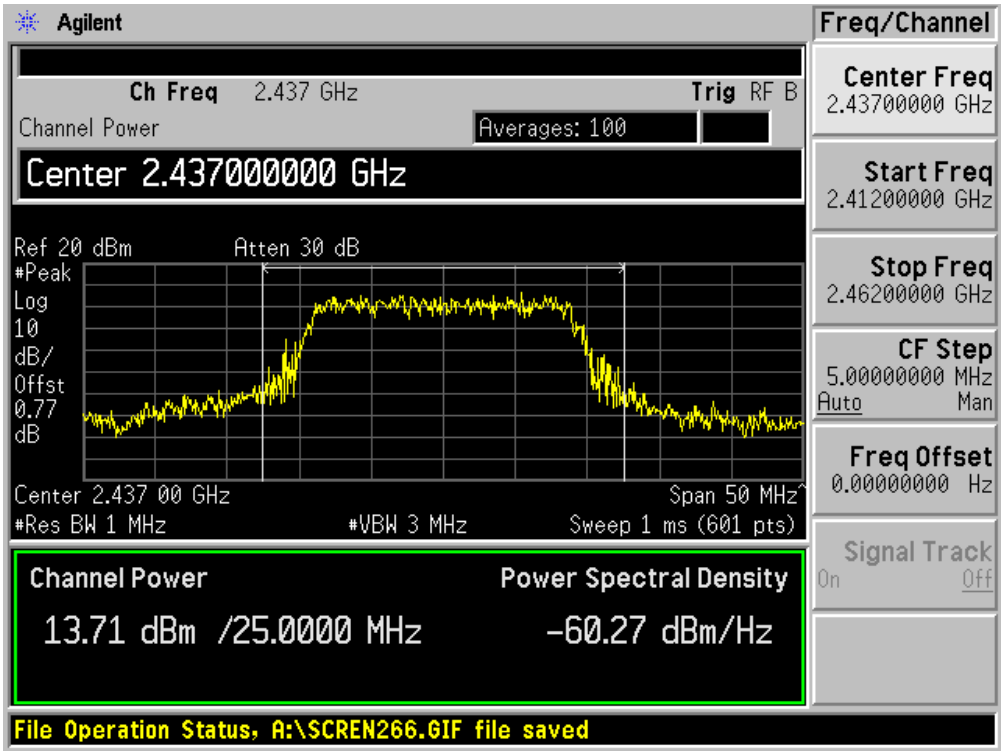
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
1	2412	13.82	13.89	15.29	19.16	30.00	Pass
6	2437	13.71	14.20	15.13	19.16	30.00	Pass
11	2462	13.91	13.82	15.31	19.17	30.00	Pass
149	5745	13.81	14.44	14.61	19.07	30.00	Pass
157	5785	13.80	13.91	15.25	19.14	30.00	Pass
165	5825	13.52	14.06	15.46	19.20	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

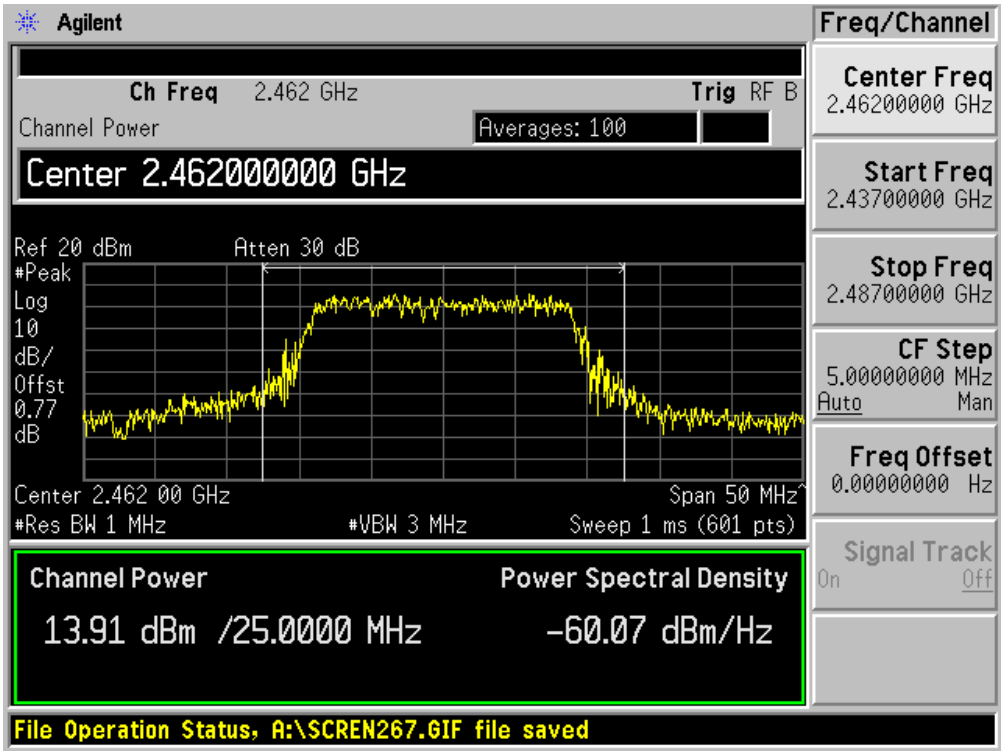
Channel 01 (2412MHz) – Chain A



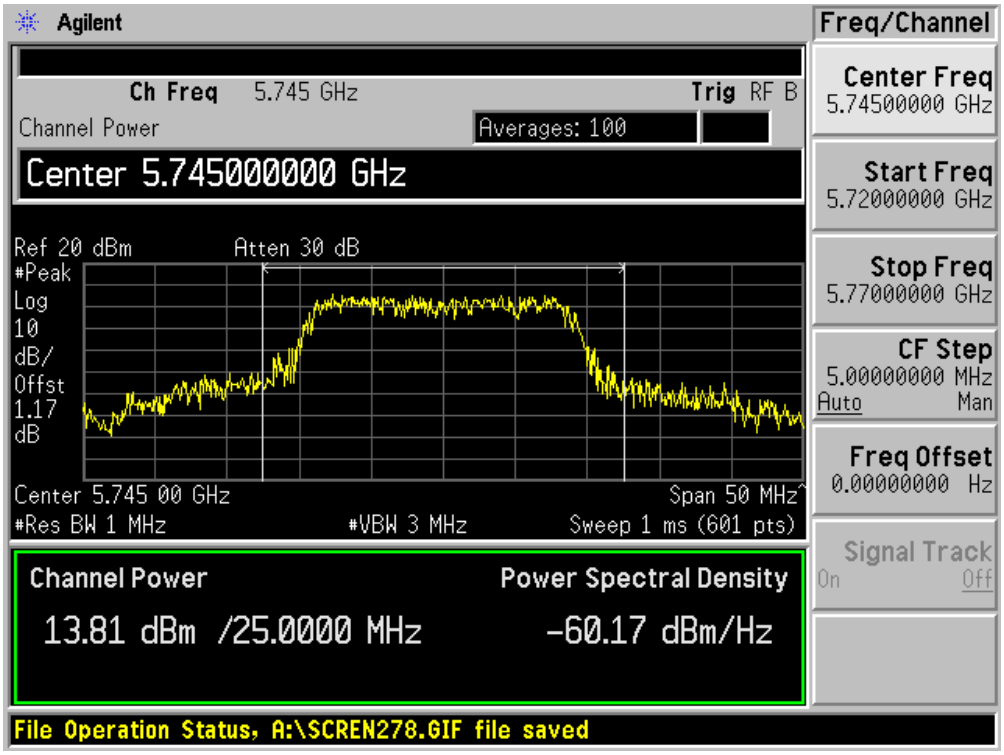
Channel 06 (2437MHz) – Chain A



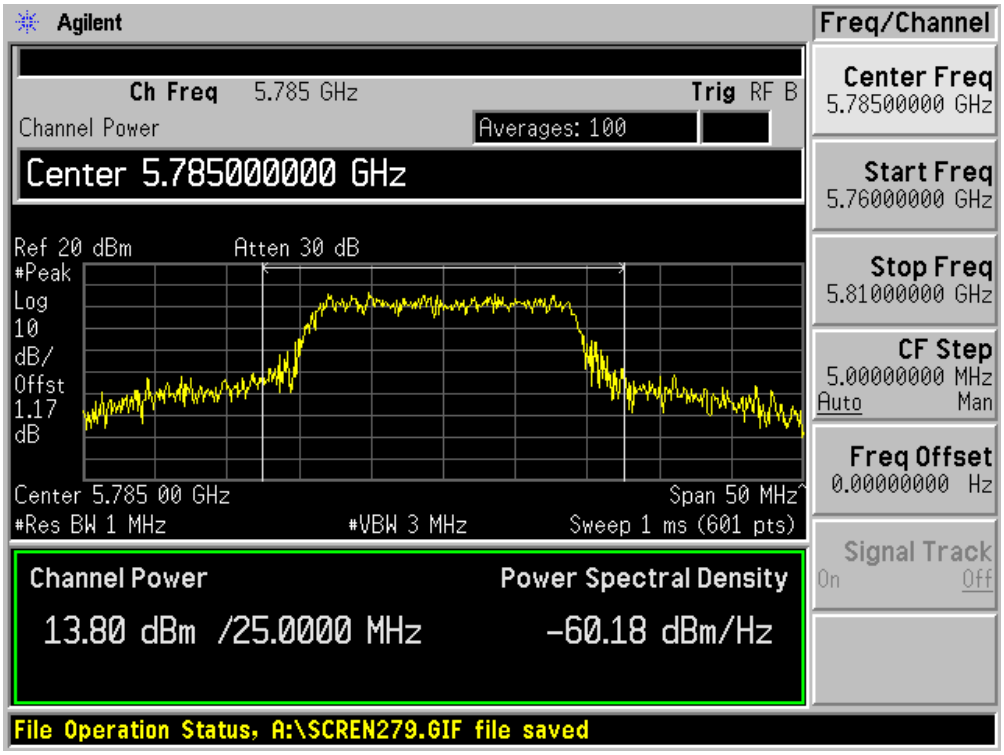
Channel 11 (2462MHz) – Chain A



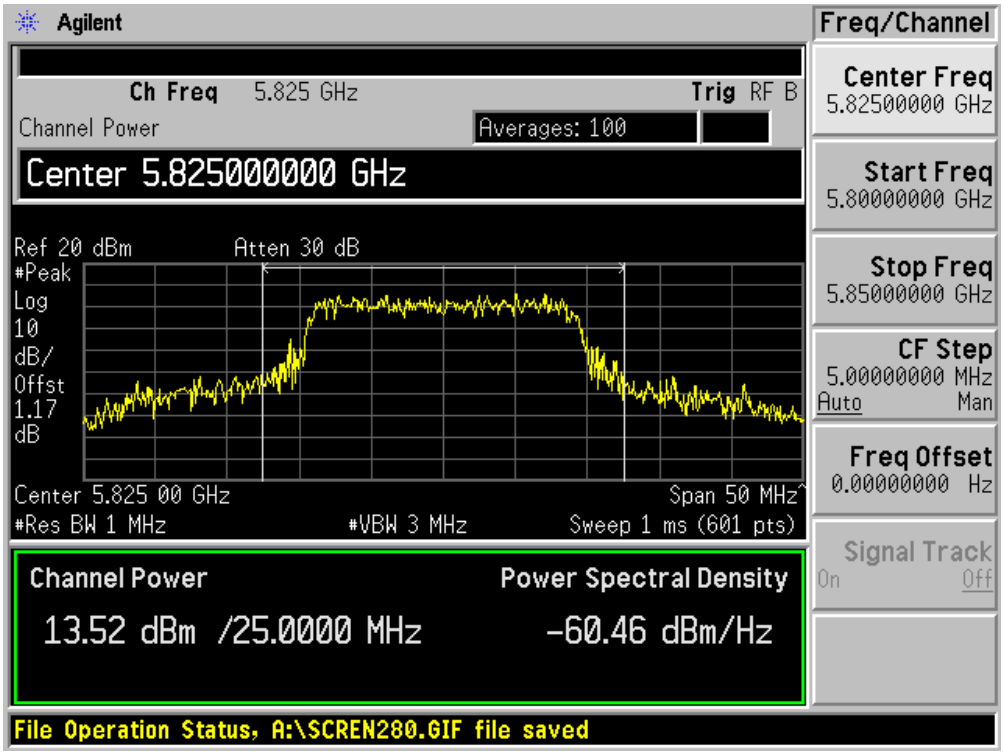
Channel 149 (5745MHz) – Chain A



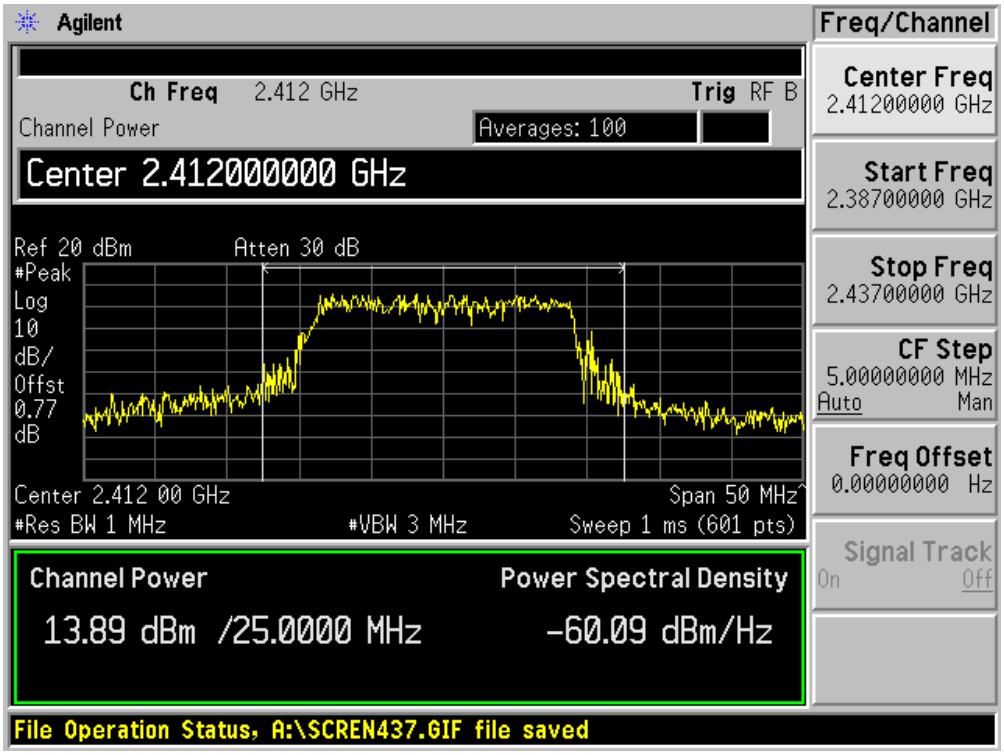
Channel 157 (5785MHz) – Chain A



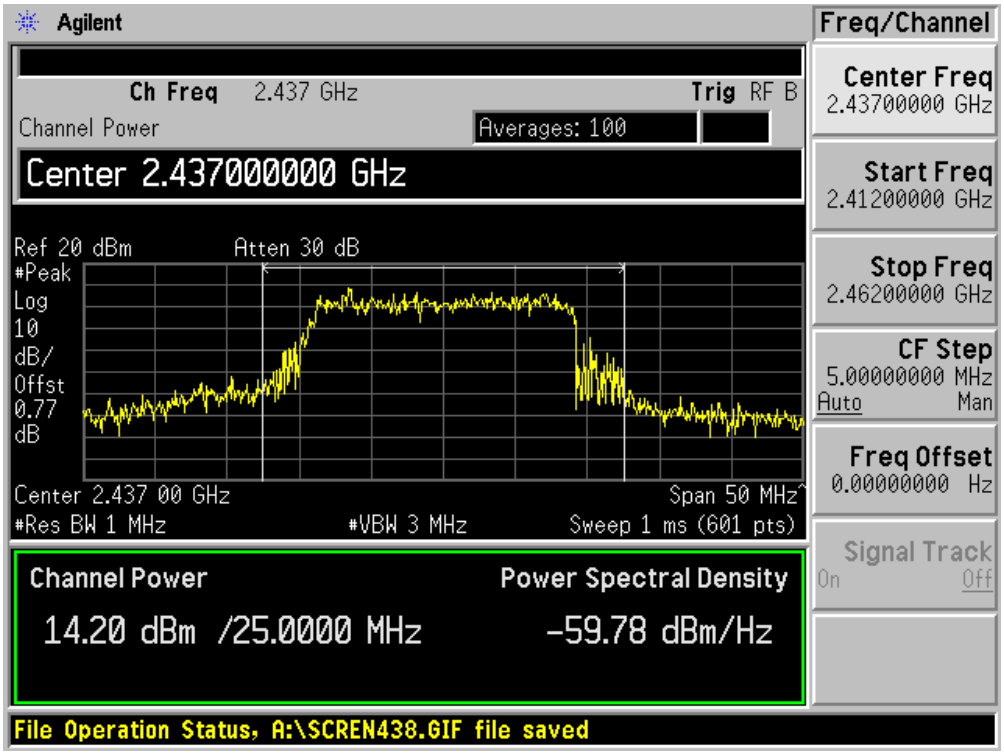
Channel 165 (5825MHz) – Chain A



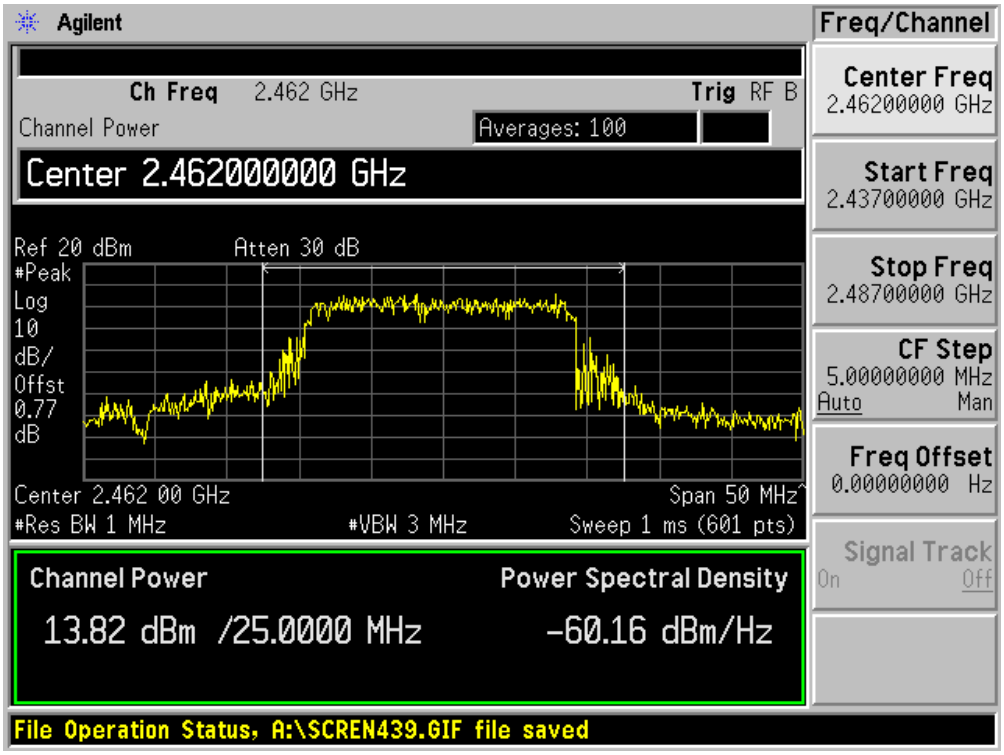
Channel 01 (2412MHz) – Chain B



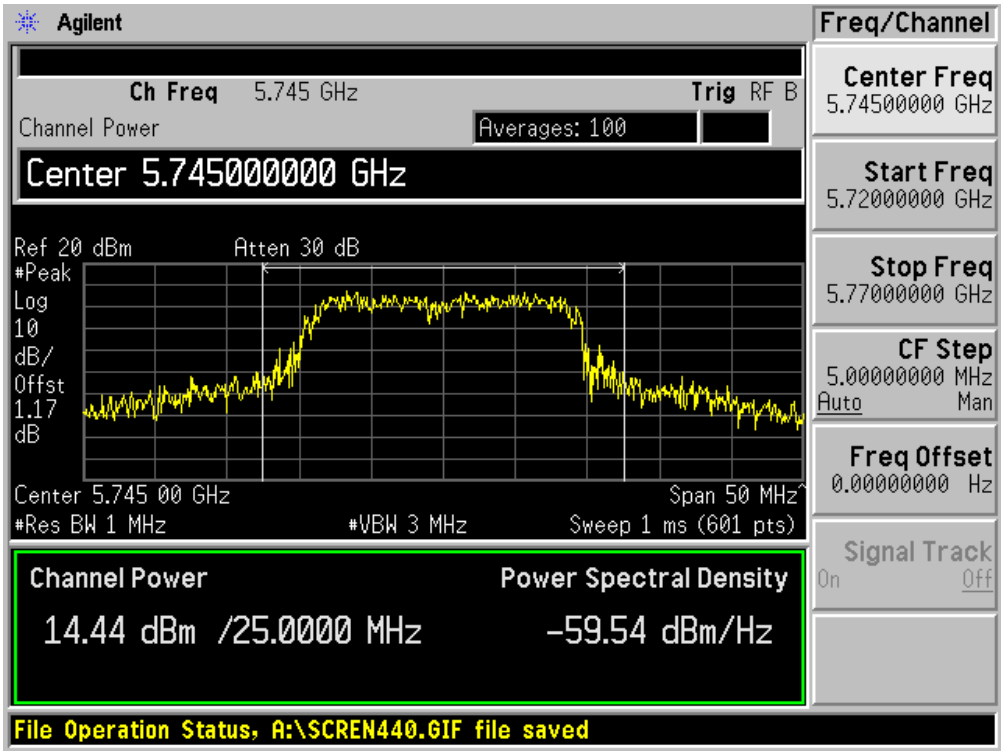
Channel 06 (2437MHz) – Chain B



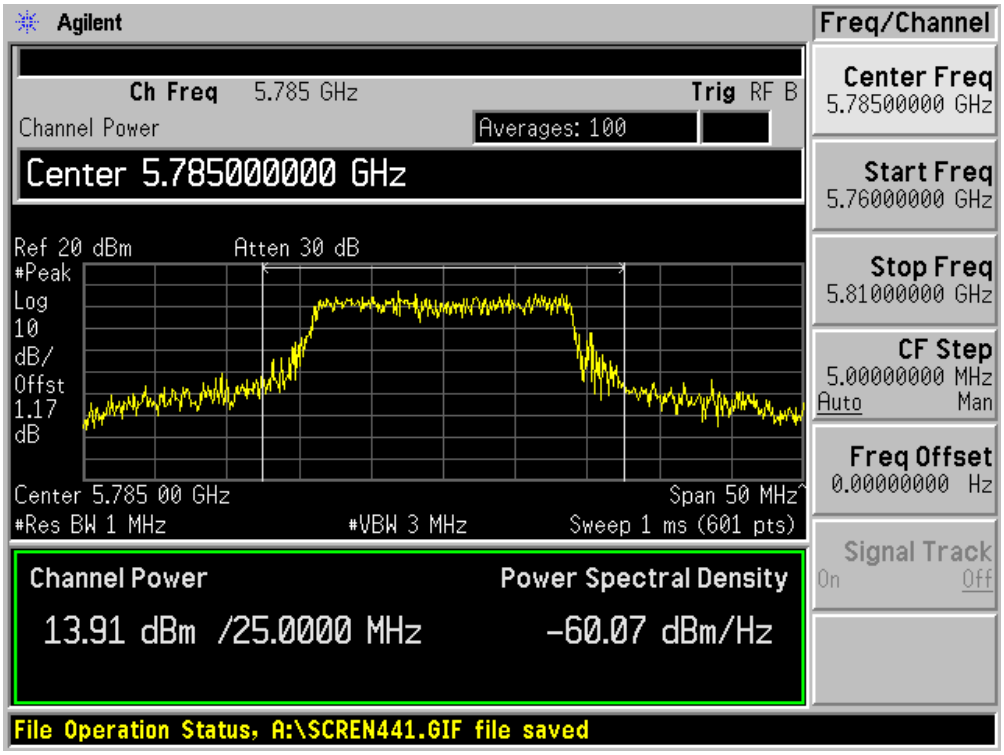
Channel 11 (2462MHz) – Chain B



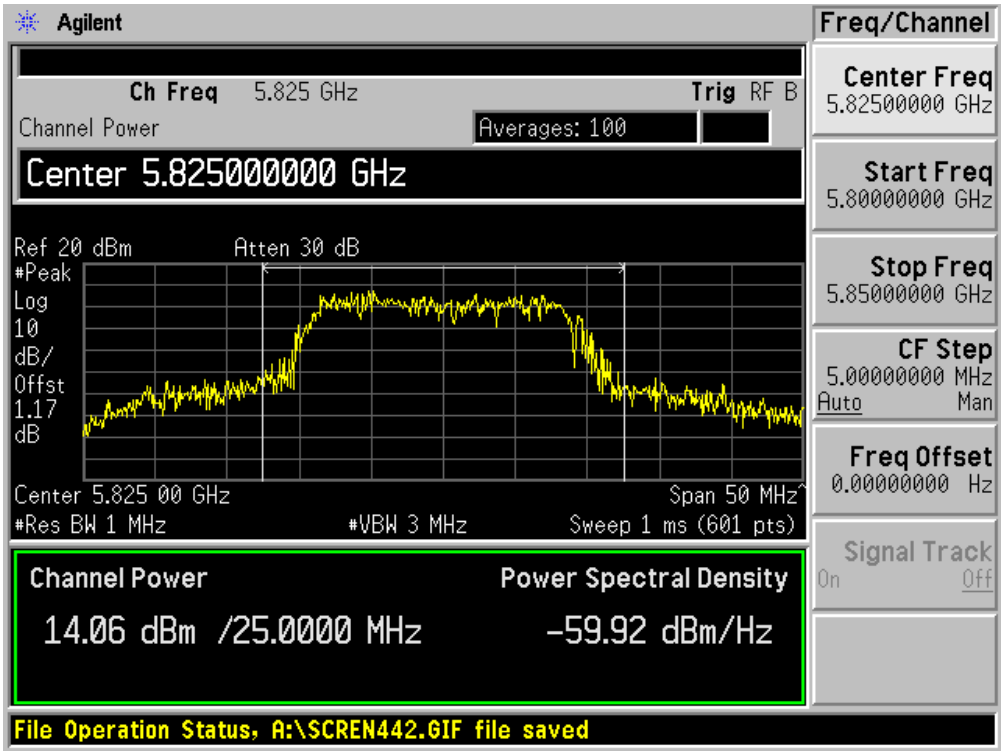
Channel 149 (5745MHz) – Chain B



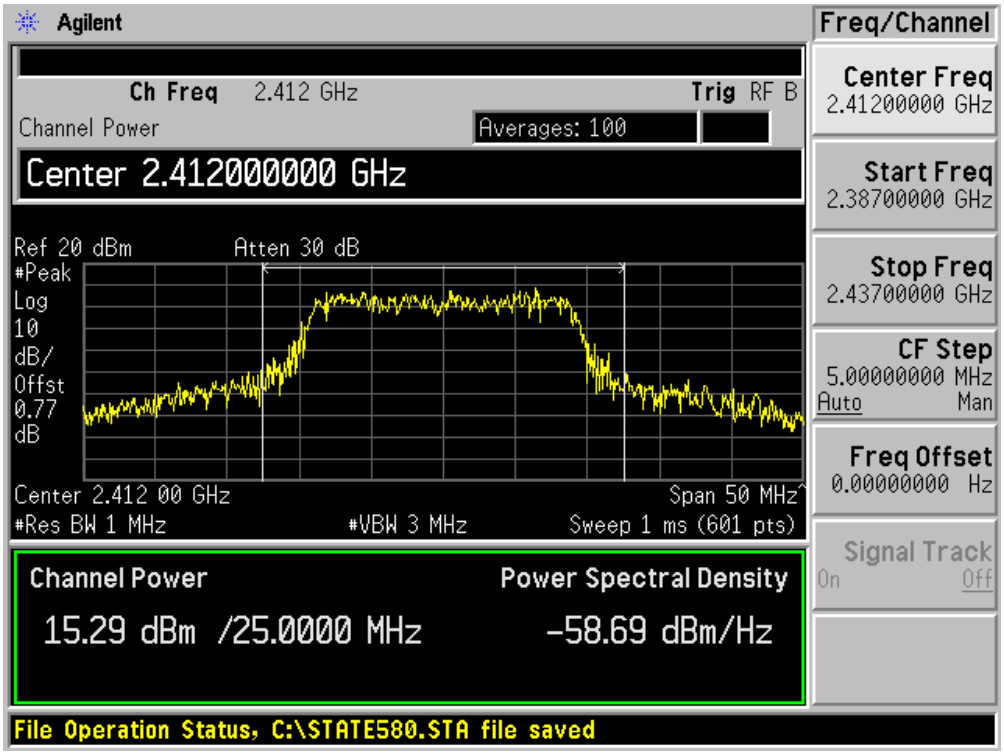
Channel 157 (5785MHz) – Chain B



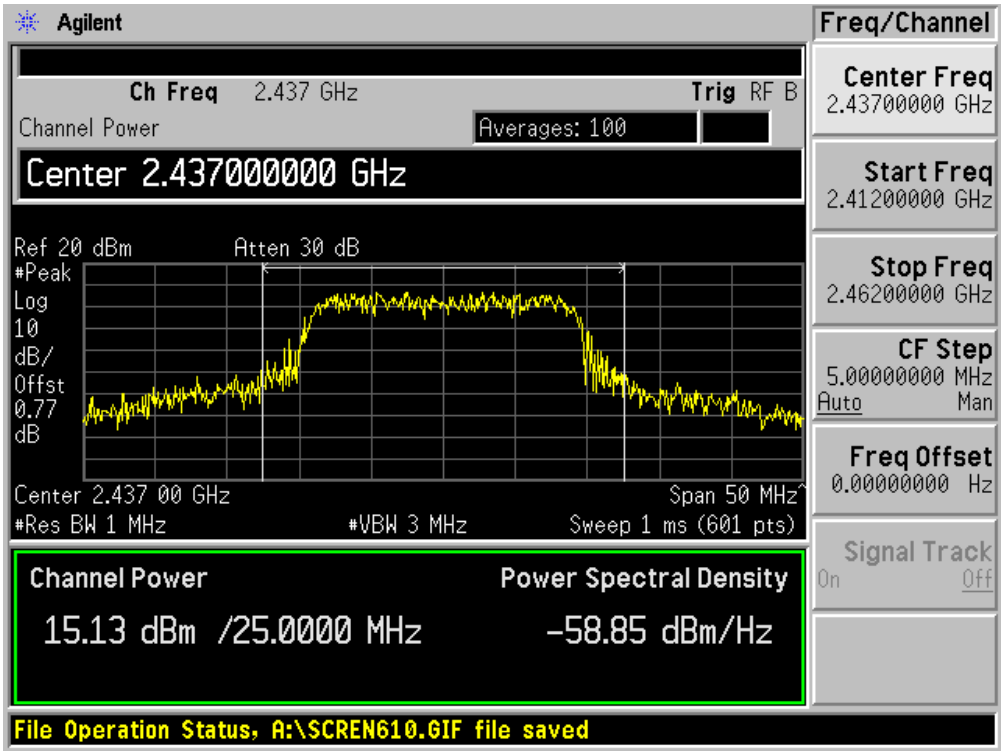
Channel 165 (5825MHz) – Chain B



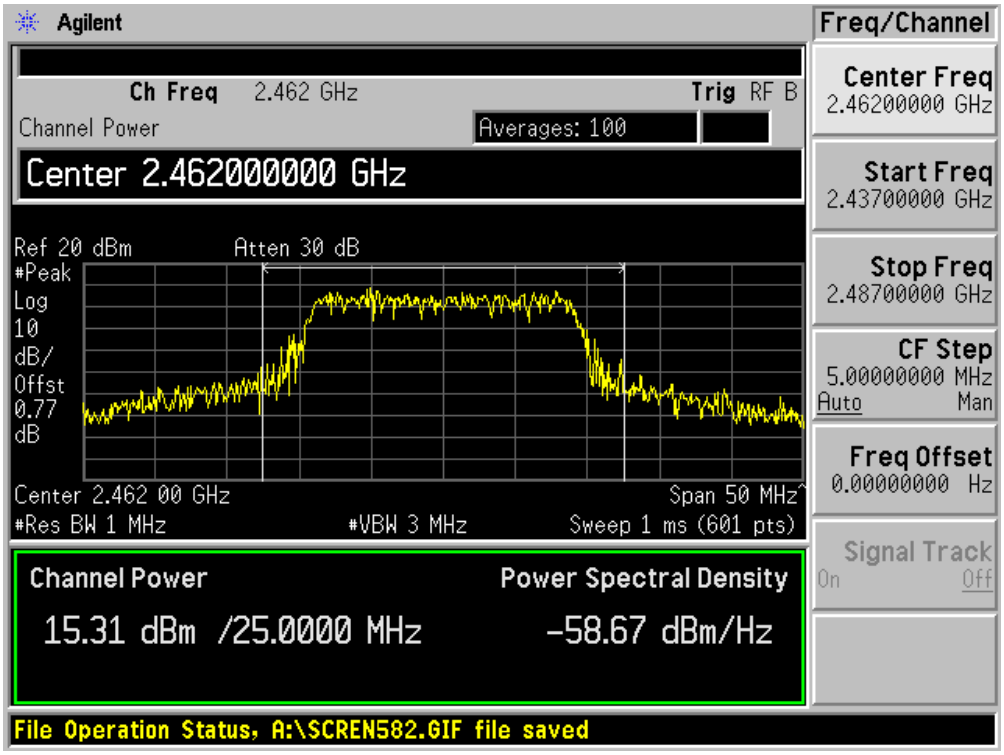
Channel 01 (2412MHz) – Chain C



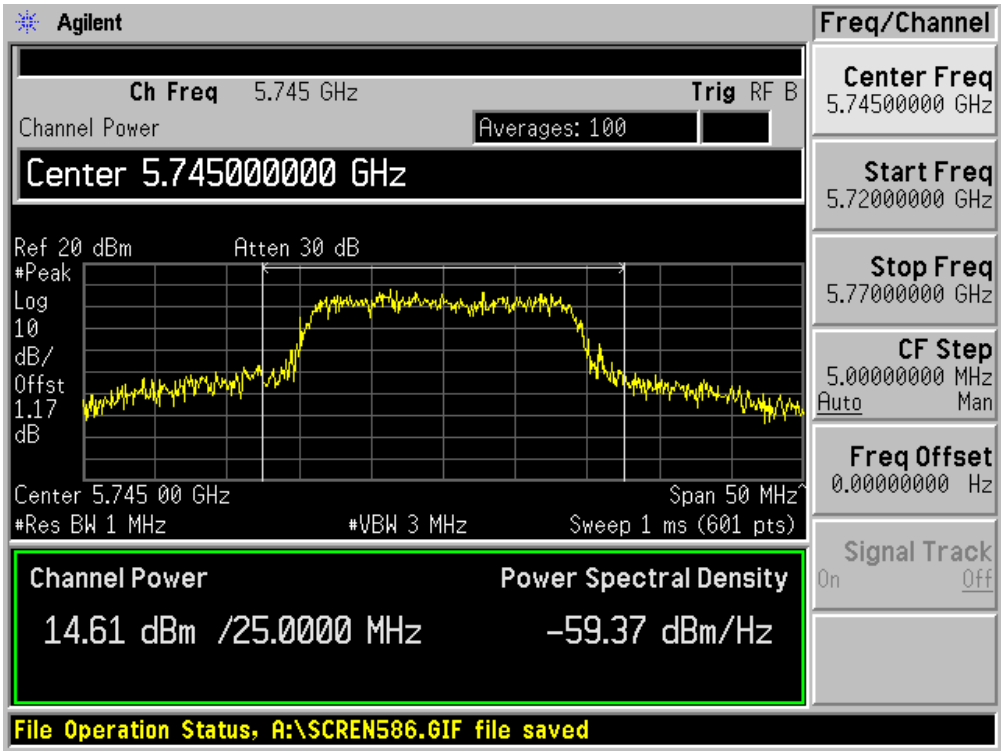
Channel 06 (2437MHz) – Chain C



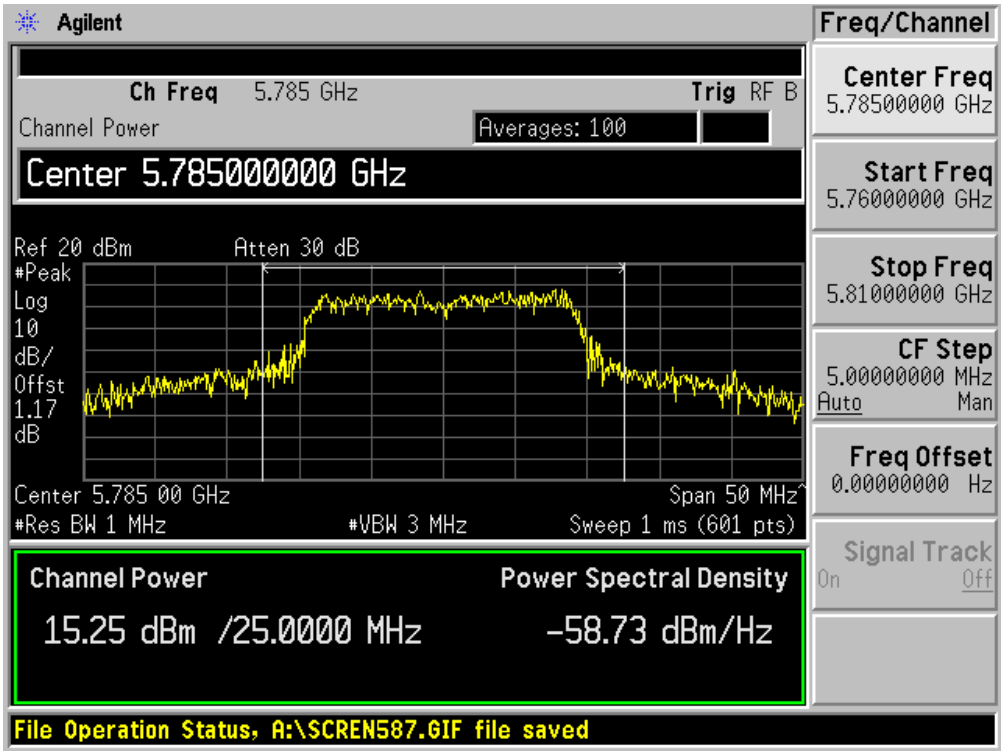
Channel 11 (2462MHz) – Chain C



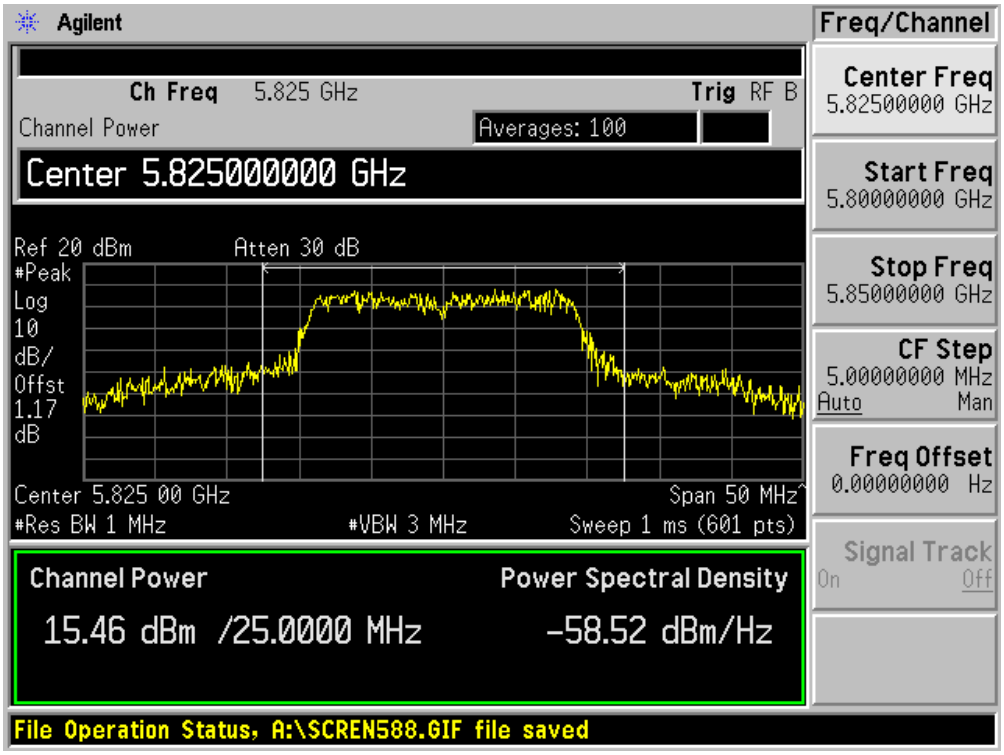
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



Channel 165 (5825MHz) – Chain C

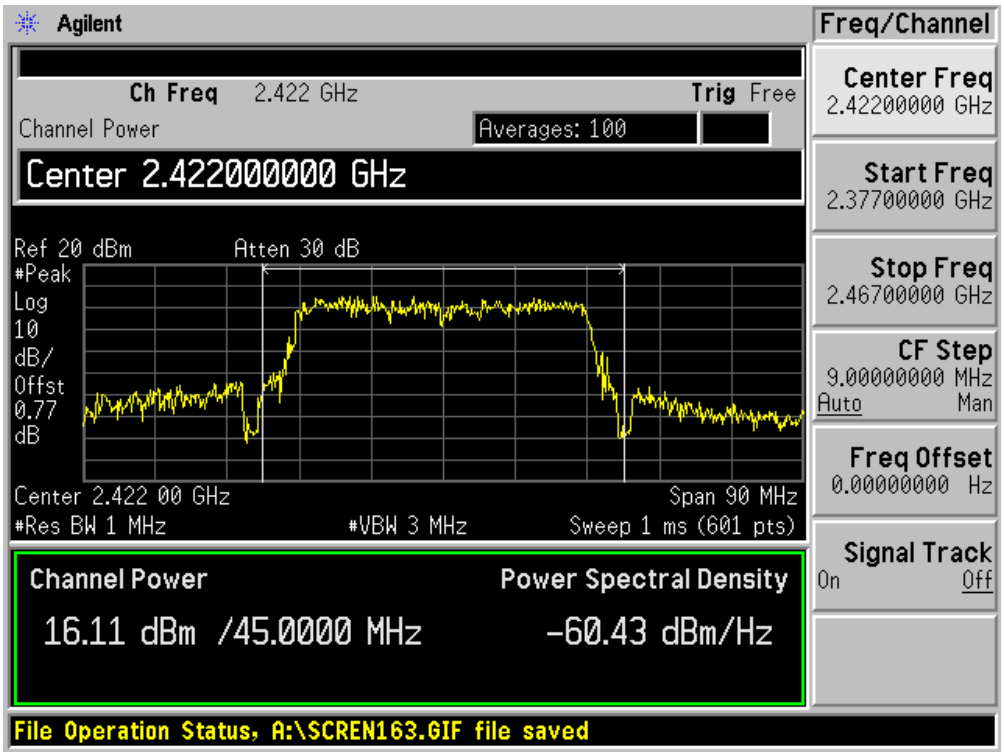


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+B)

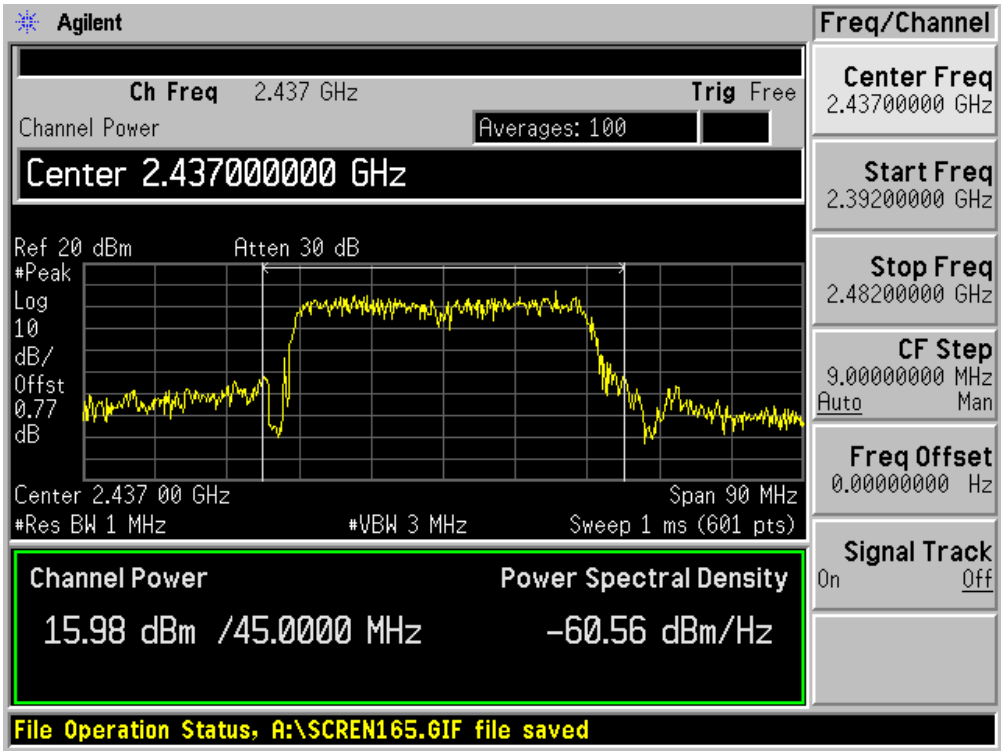
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	16.11	15.78	N/A	18.96	30.00	Pass
6	2437	15.98	15.89	N/A	18.95	30.00	Pass
9	2452	16.33	16.23	N/A	19.29	30.00	Pass
151	5755	17.94	19.45	N/A	21.77	30.00	Pass
159	5795	18.29	19.22	N/A	21.79	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

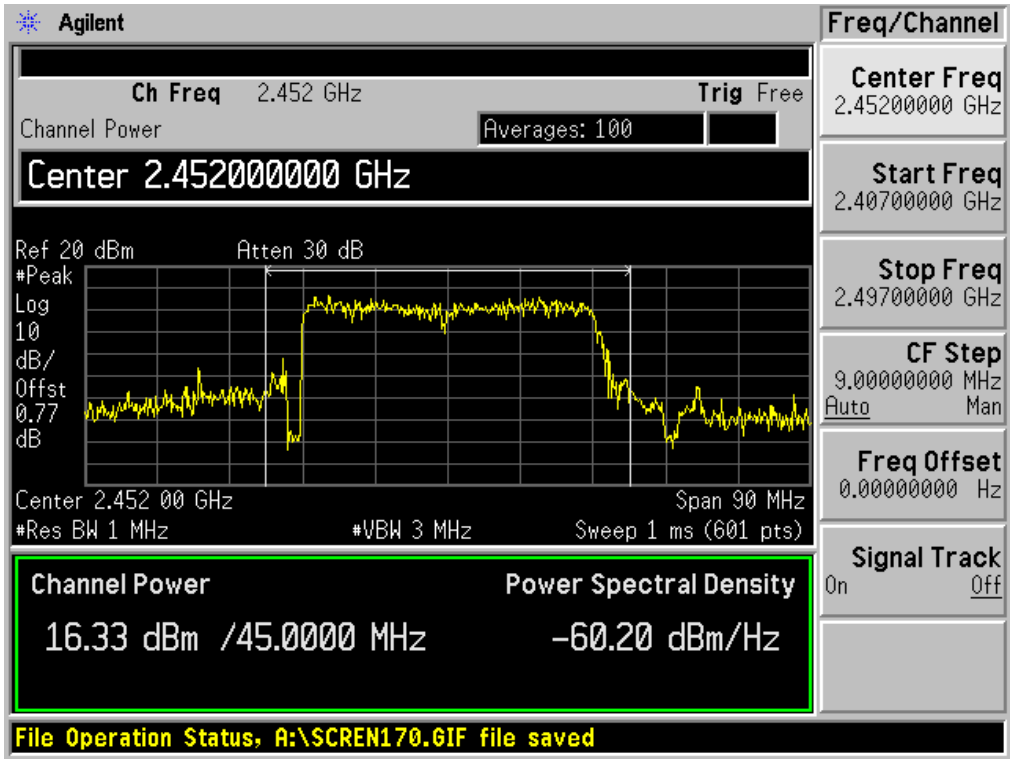
Channel 03 (2422MHz) – Chain A



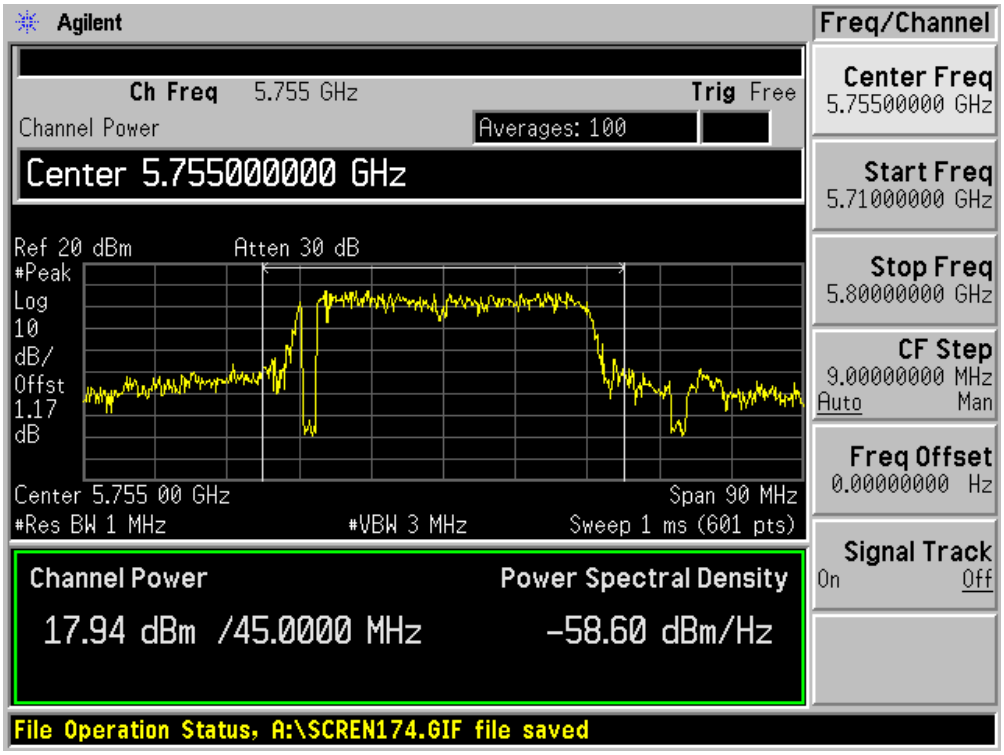
Channel 06 (2437MHz) – Chain A



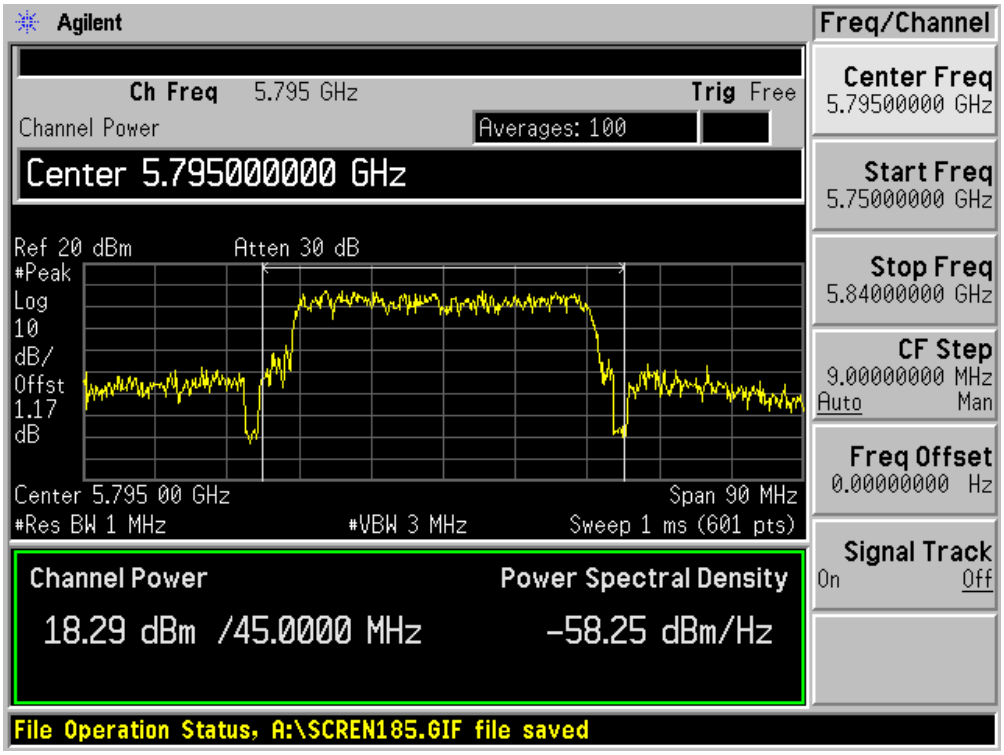
Channel 09 (2452MHz) – Chain A



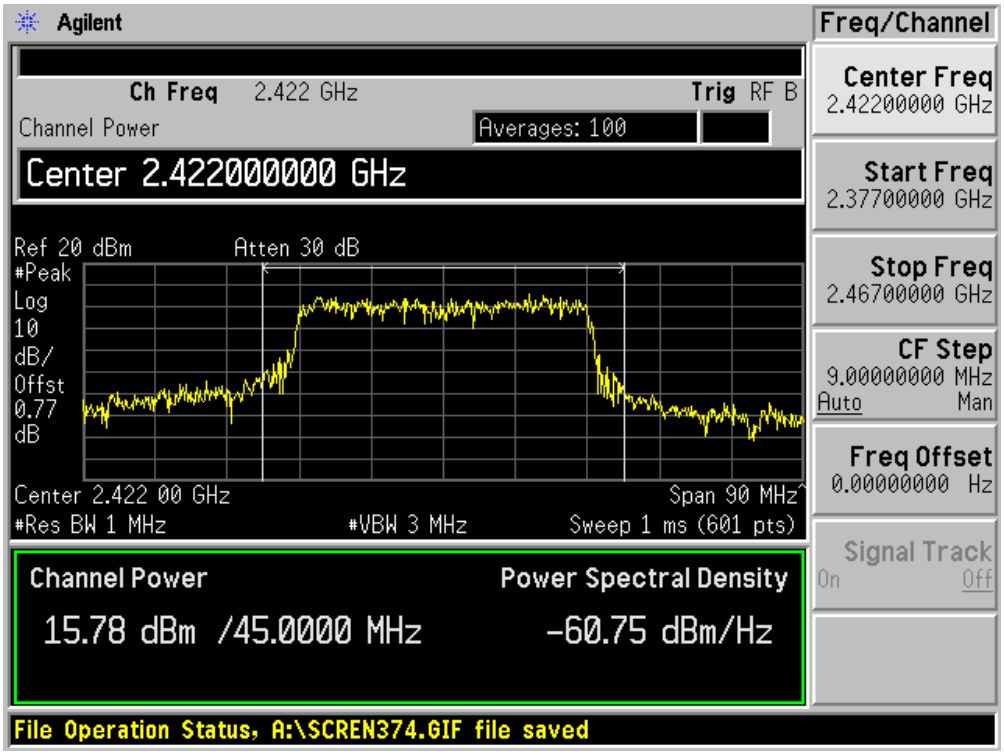
Channel 151 (5755MHz) – Chain A



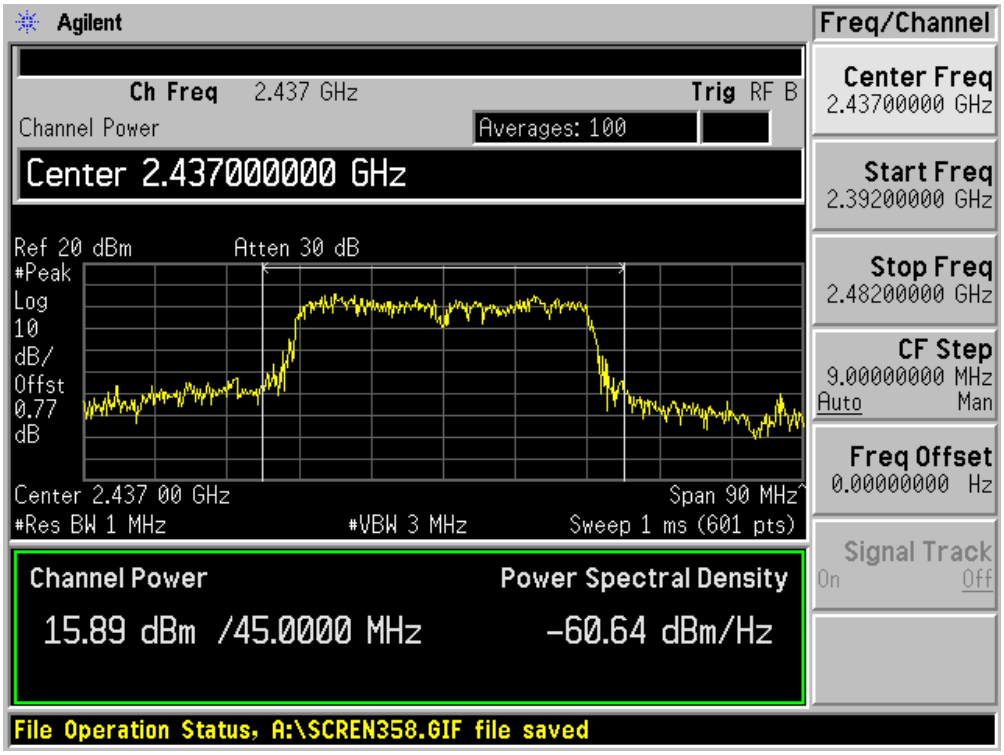
Channel 159 (5795MHz) – Chain A



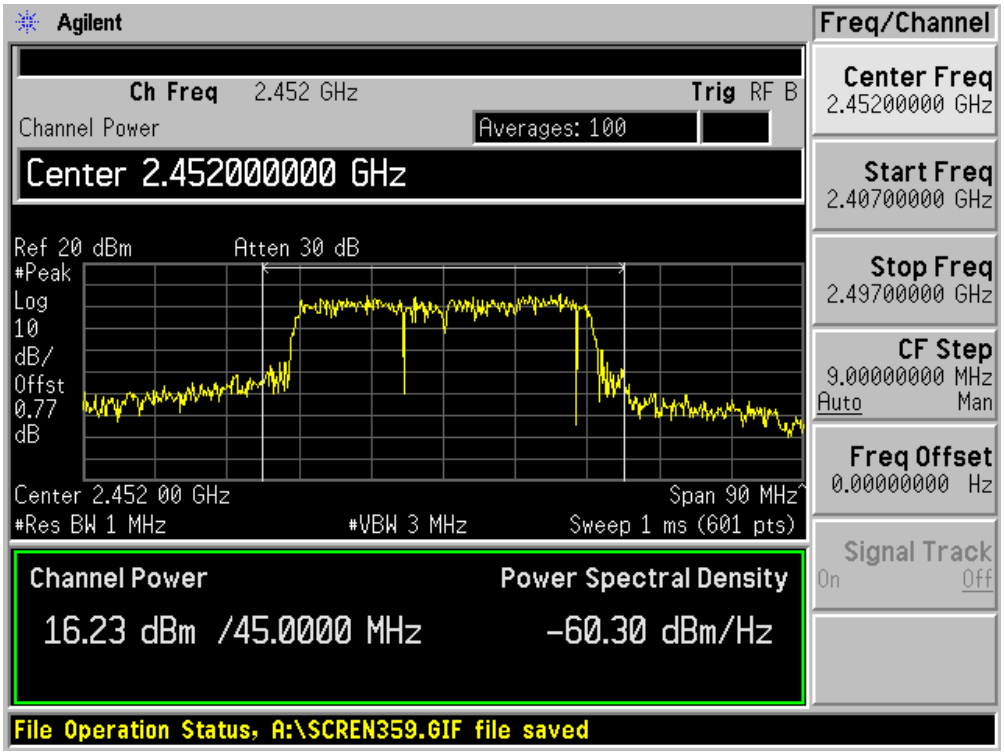
Channel 03 (2422MHz) – Chain B



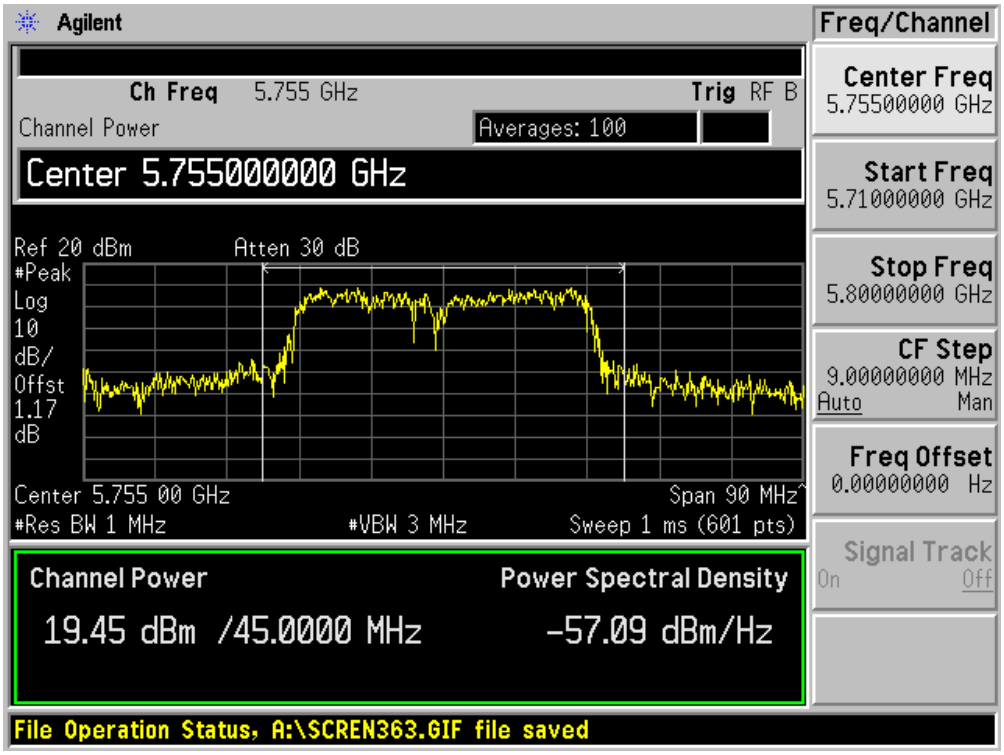
Channel 06 (2437MHz) – Chain B



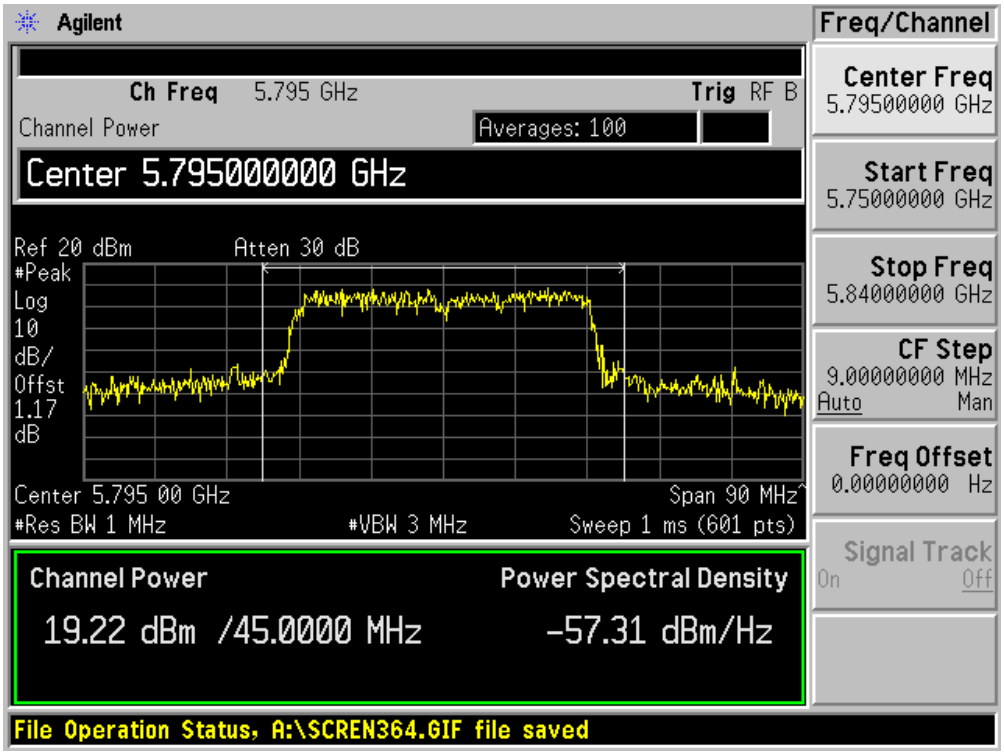
Channel 09 (2452MHz) – Chain B



Channel 151 (5755MHz) – Chain B



Channel 159 (5795MHz) – Chain B

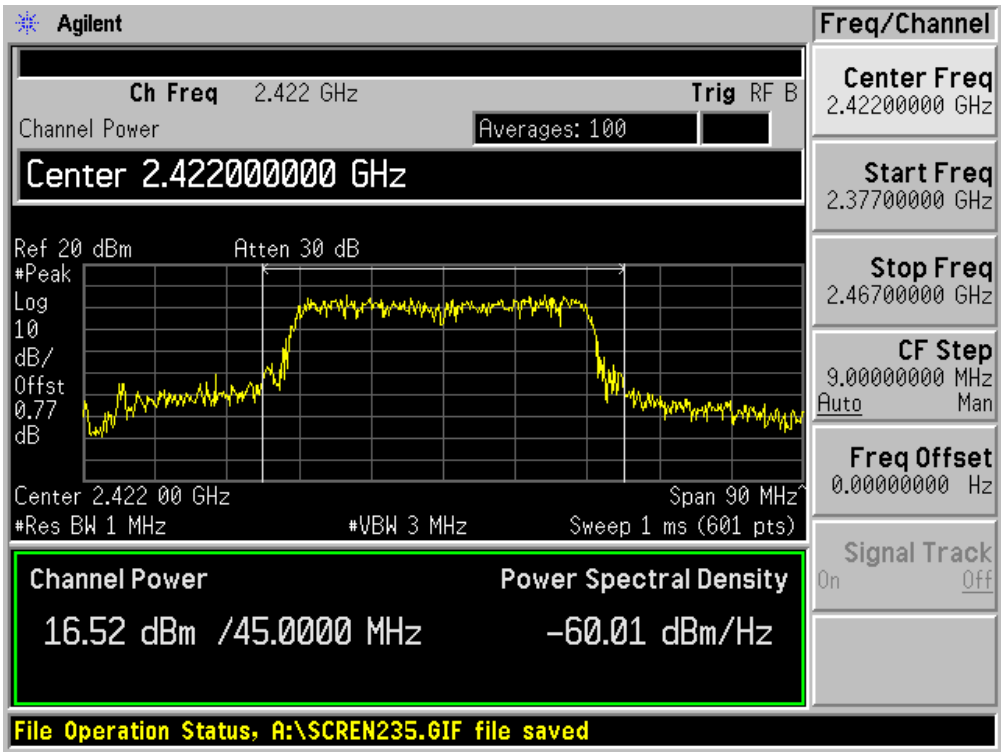


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+C)

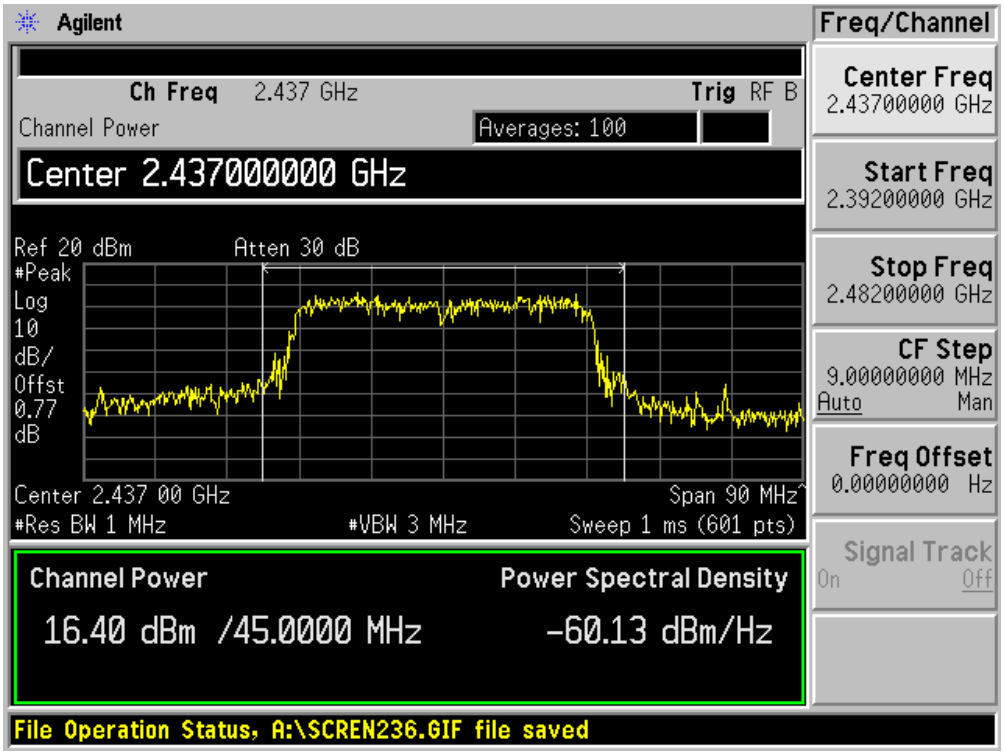
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	16.52	N/A	16.85	19.70	30.00	Pass
6	2437	16.40	N/A	16.68	19.55	30.00	Pass
9	2452	16.74	N/A	16.52	19.64	30.00	Pass
151	5755	18.16	N/A	16.82	20.55	30.00	Pass
159	5795	18.45	N/A	16.98	20.79	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

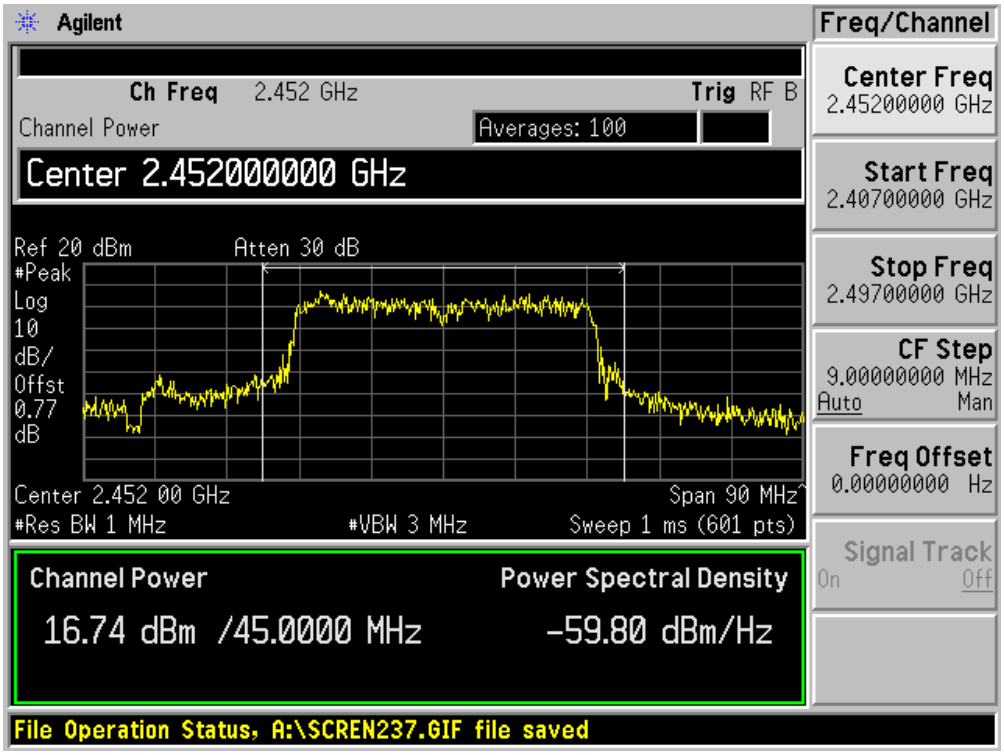
Channel 03 (2422MHz) – Chain A



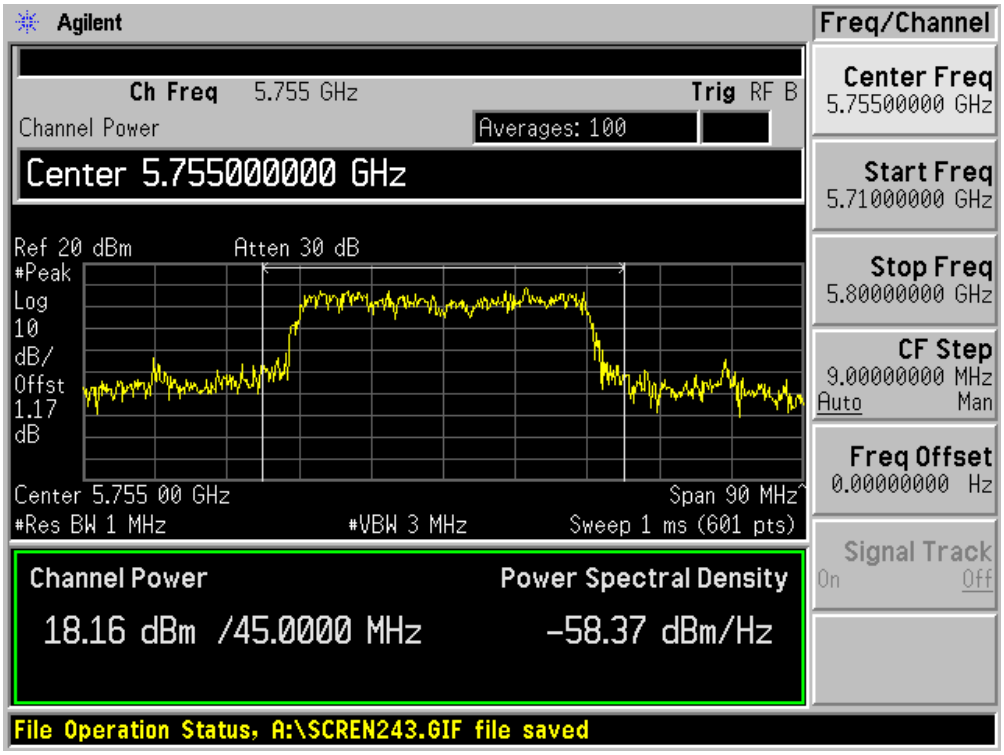
Channel 06 (2437MHz) – Chain A



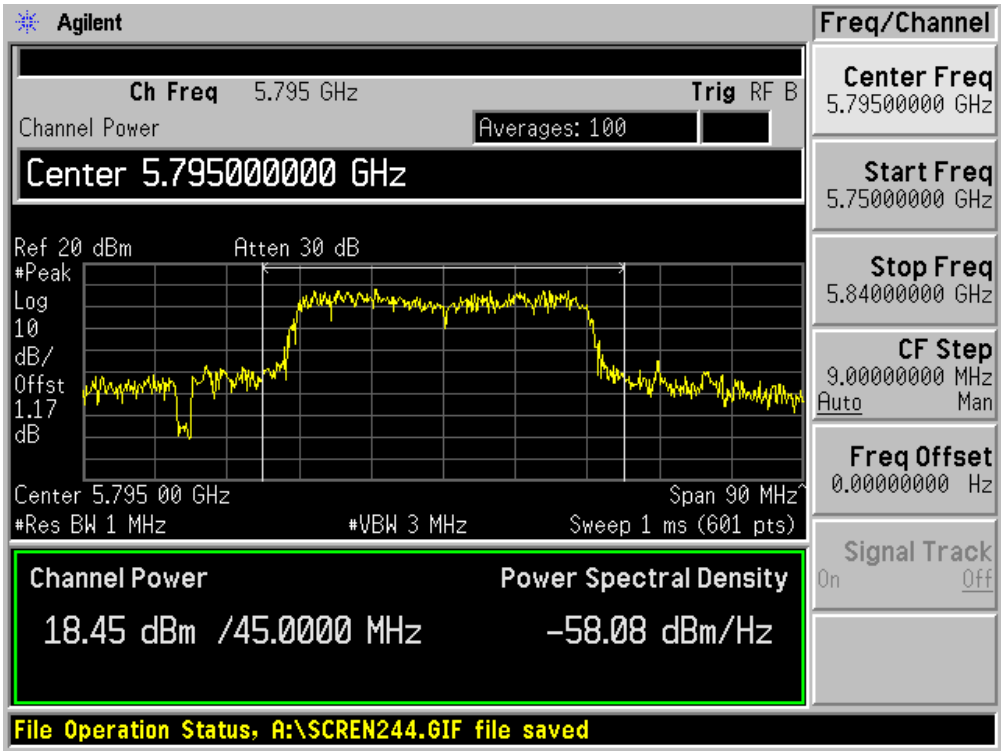
Channel 09 (2452MHz) – Chain A



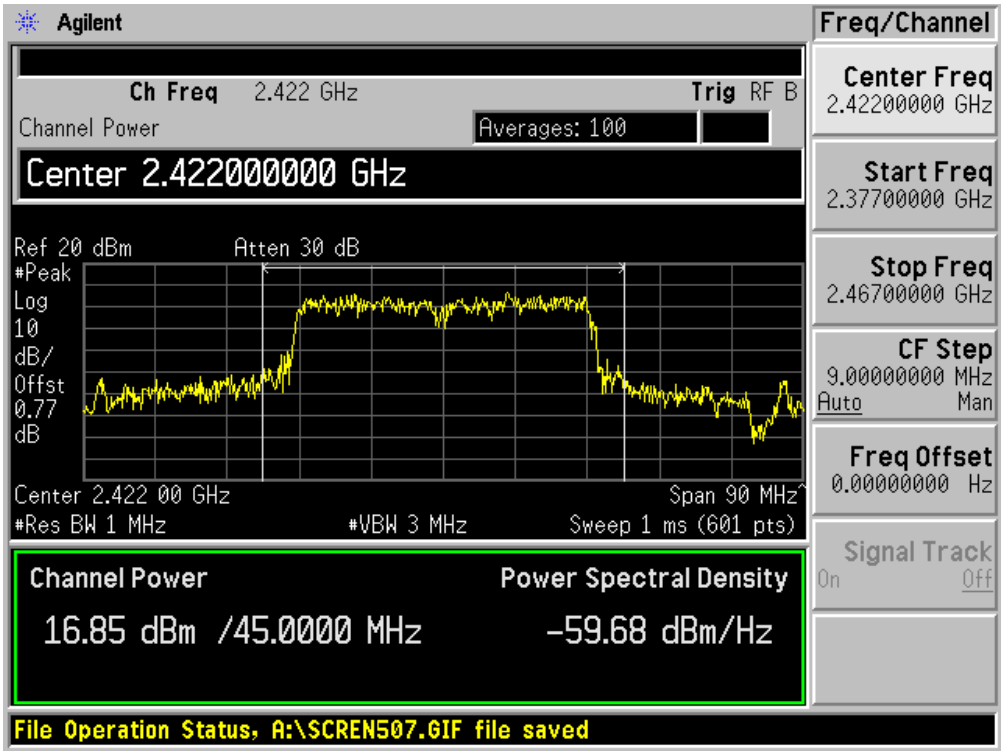
Channel 151 (5755MHz) – Chain A



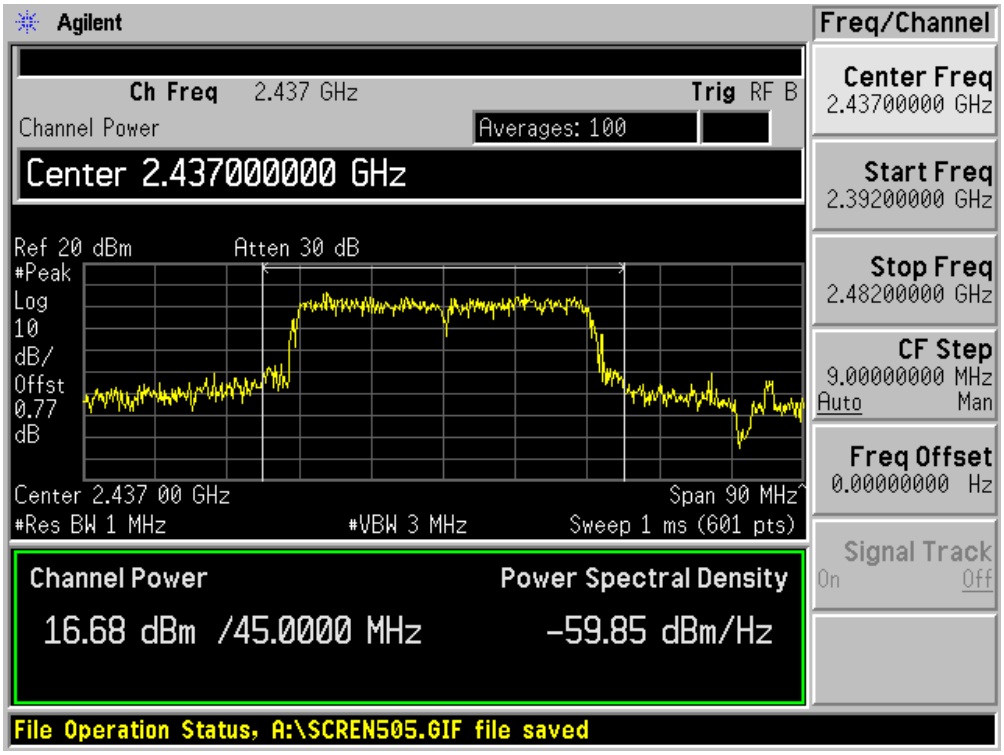
Channel 159 (5795MHz) – Chain A



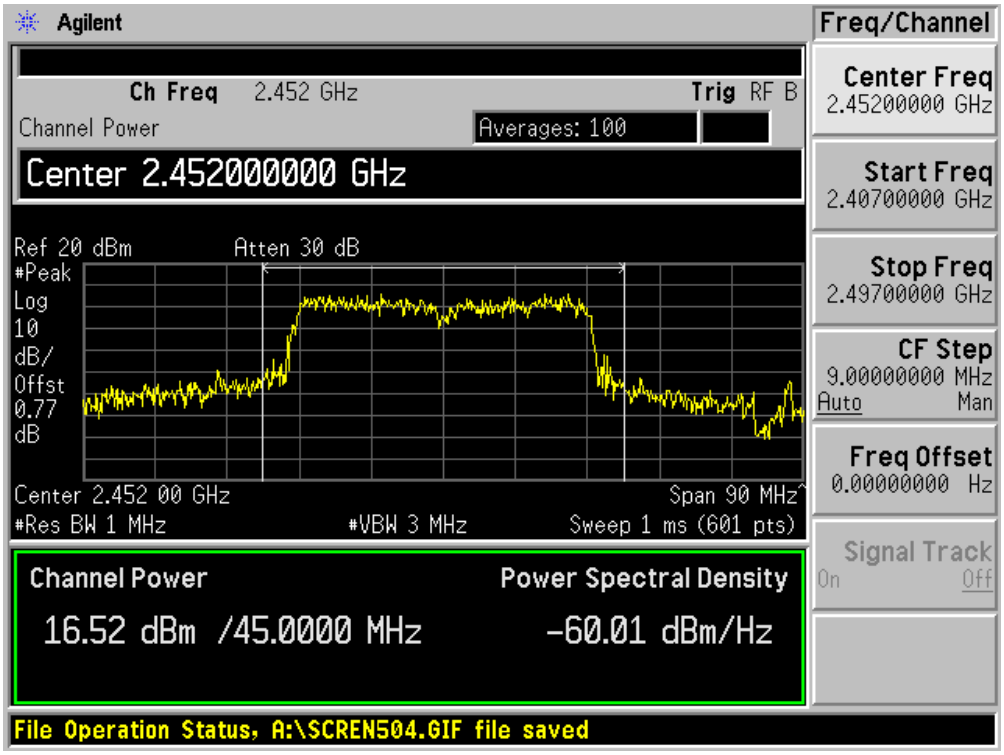
Channel 03 (2422MHz) – Chain C



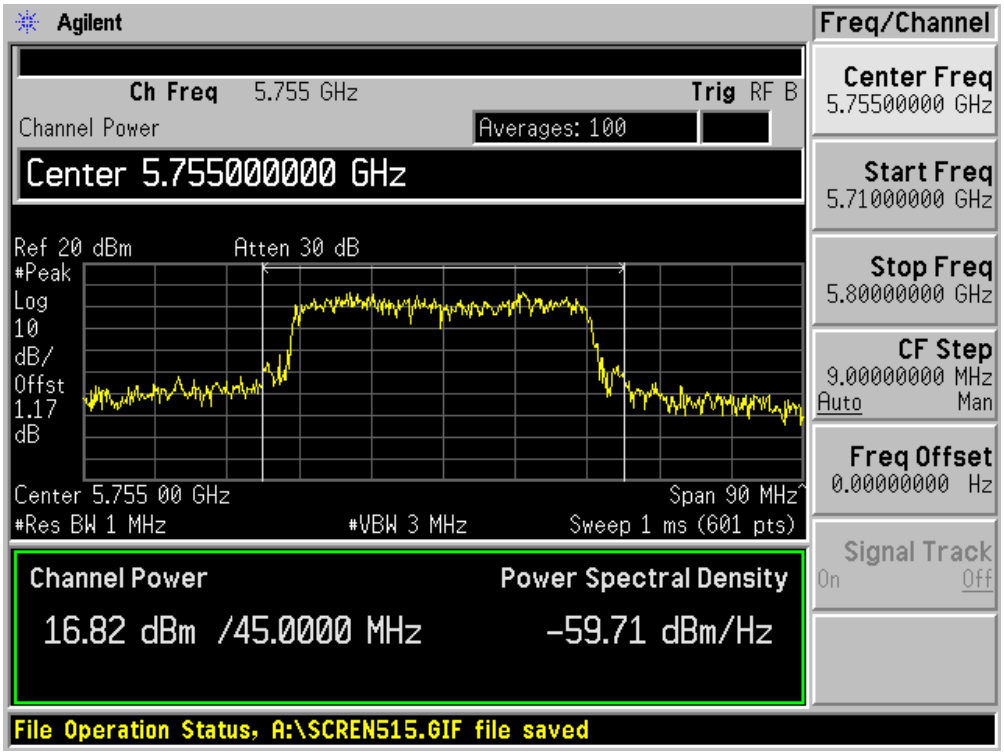
Channel 06 (2437MHz) – Chain C



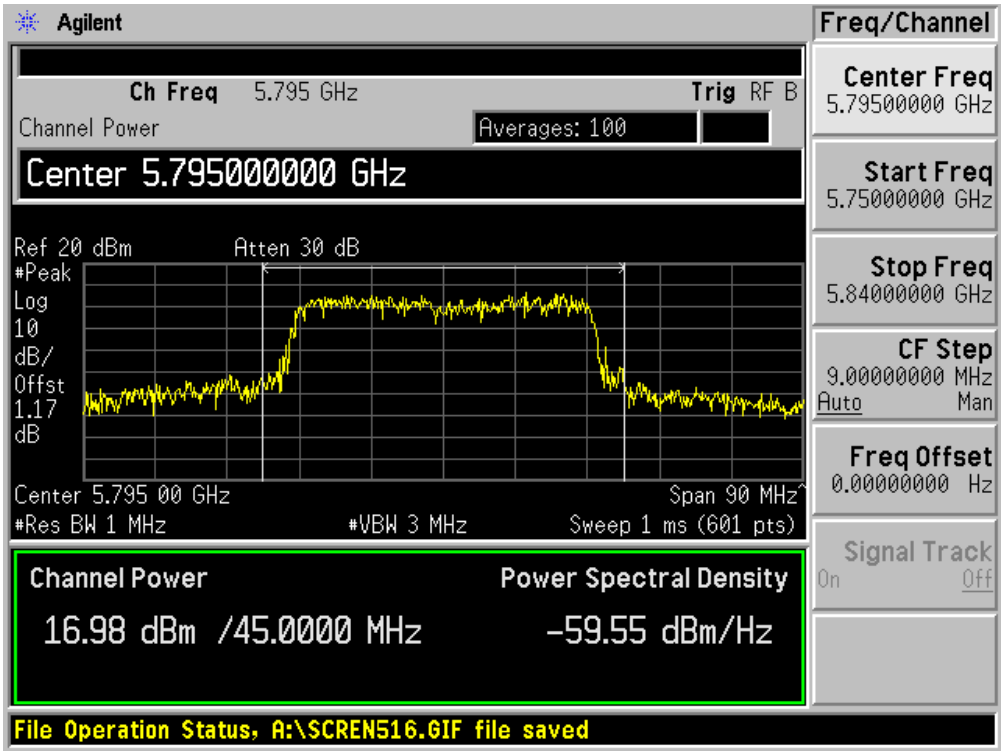
Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



Channel 159 (5795MHz) – Chain C

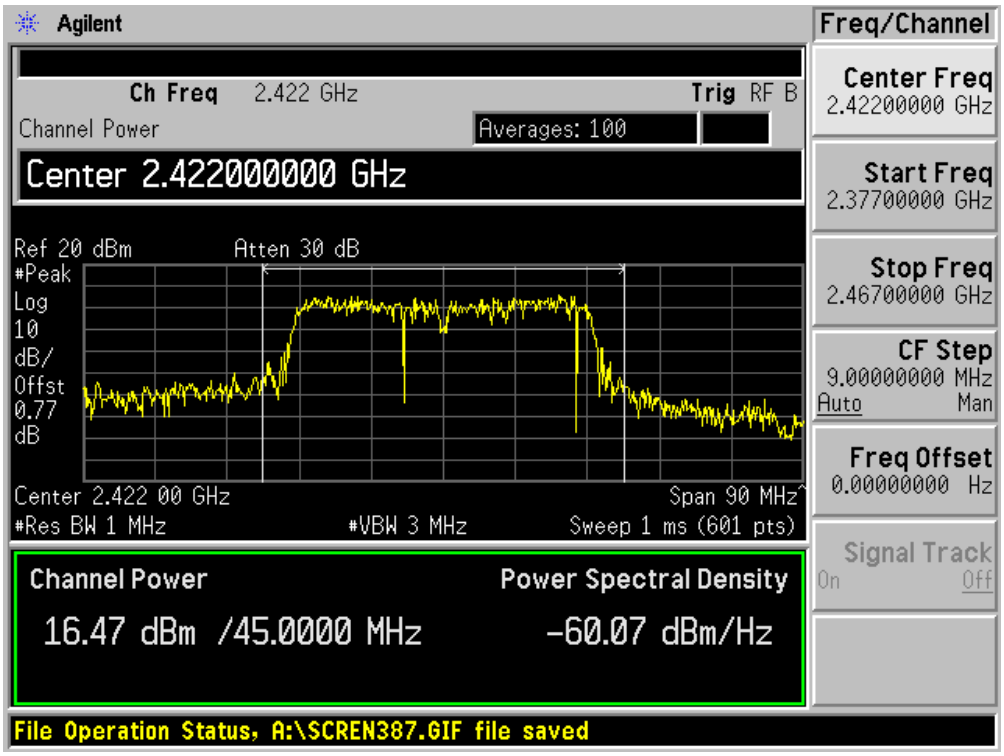


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain B+C)

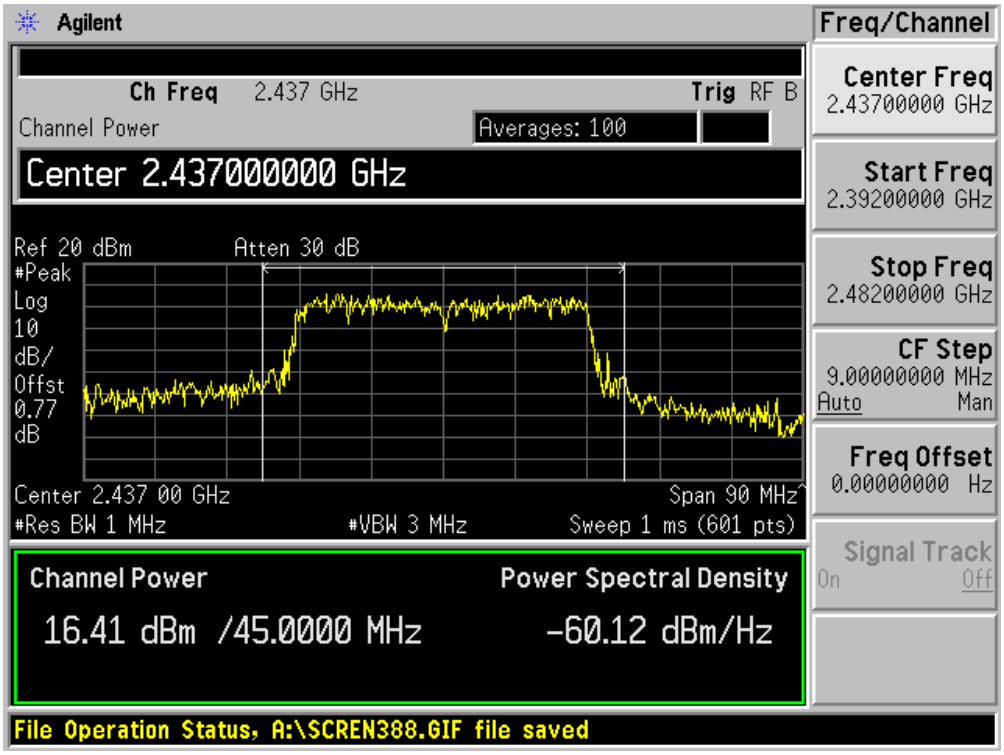
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	N/A	16.47	16.94	19.72	30.00	Pass
6	2437	N/A	16.41	16.75	19.59	30.00	Pass
9	2452	N/A	16.16	16.55	19.37	30.00	Pass
151	5755	N/A	16.30	16.81	19.57	30.00	Pass
159	5795	N/A	16.59	16.90	19.76	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

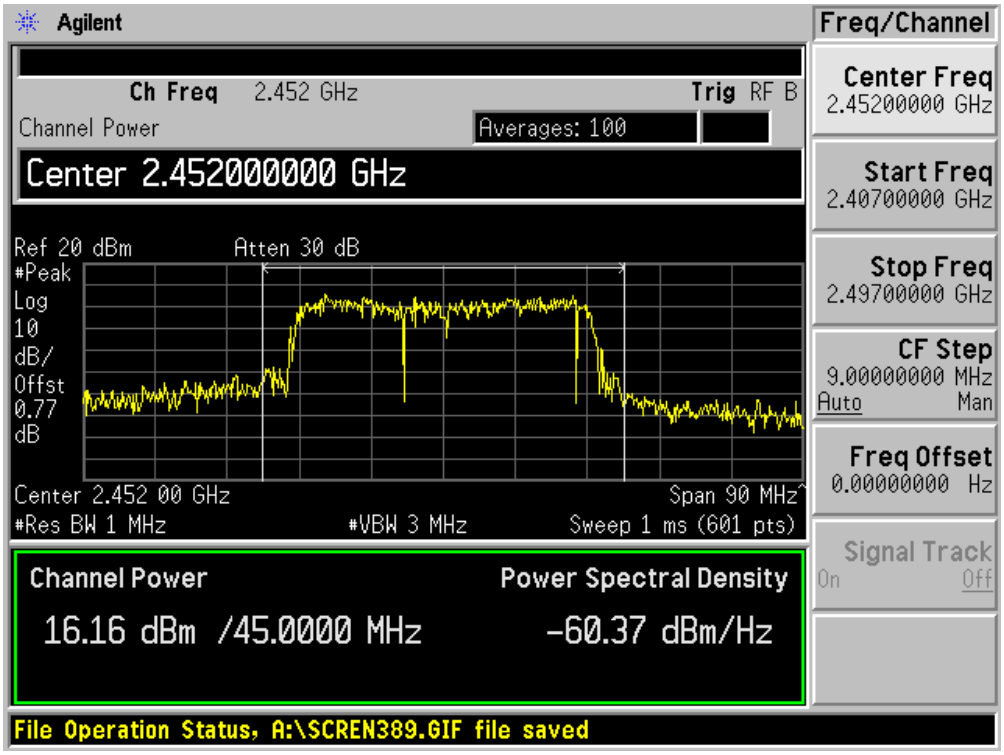
Channel 03 (2422MHz) – Chain B



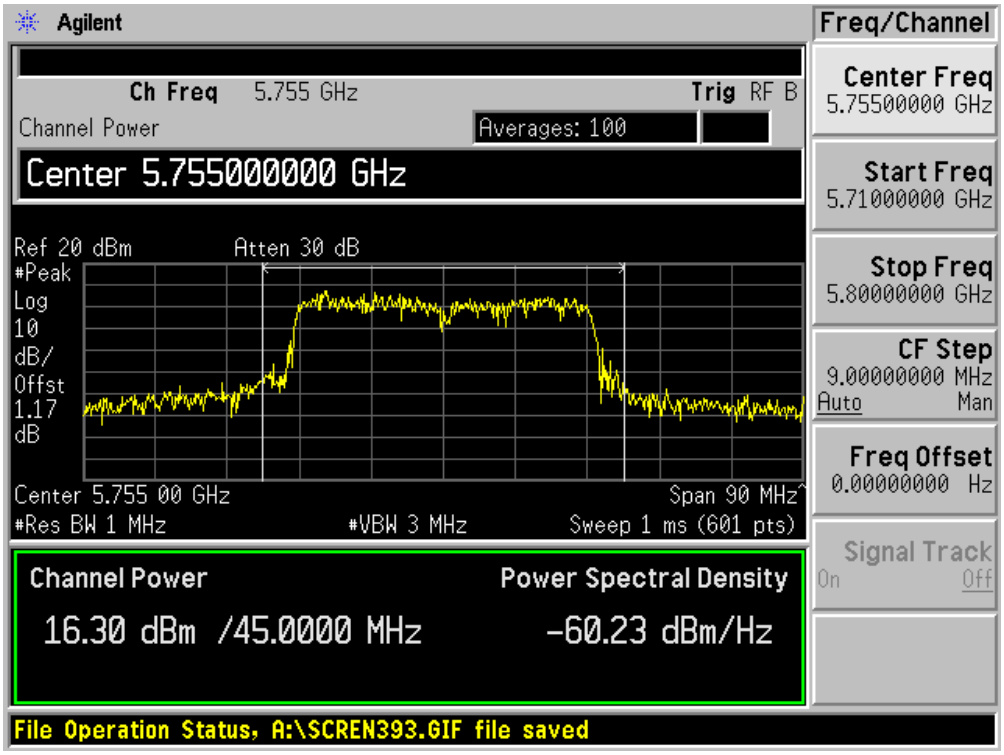
Channel 06 (2437MHz) – Chain B



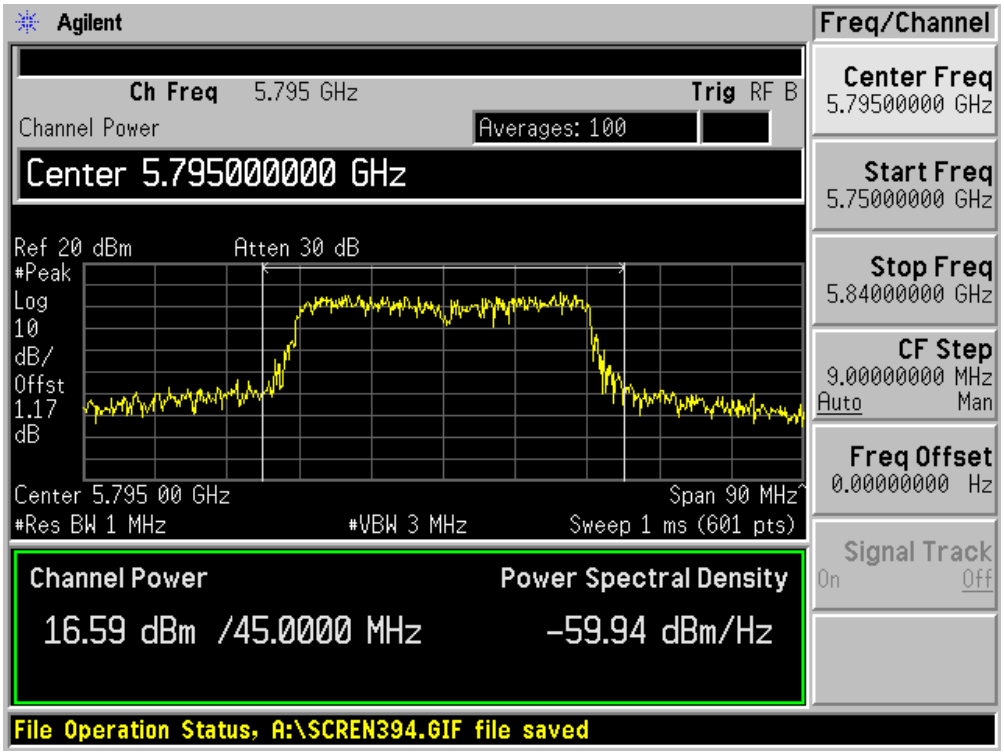
Channel 09 (2452MHz) – Chain B



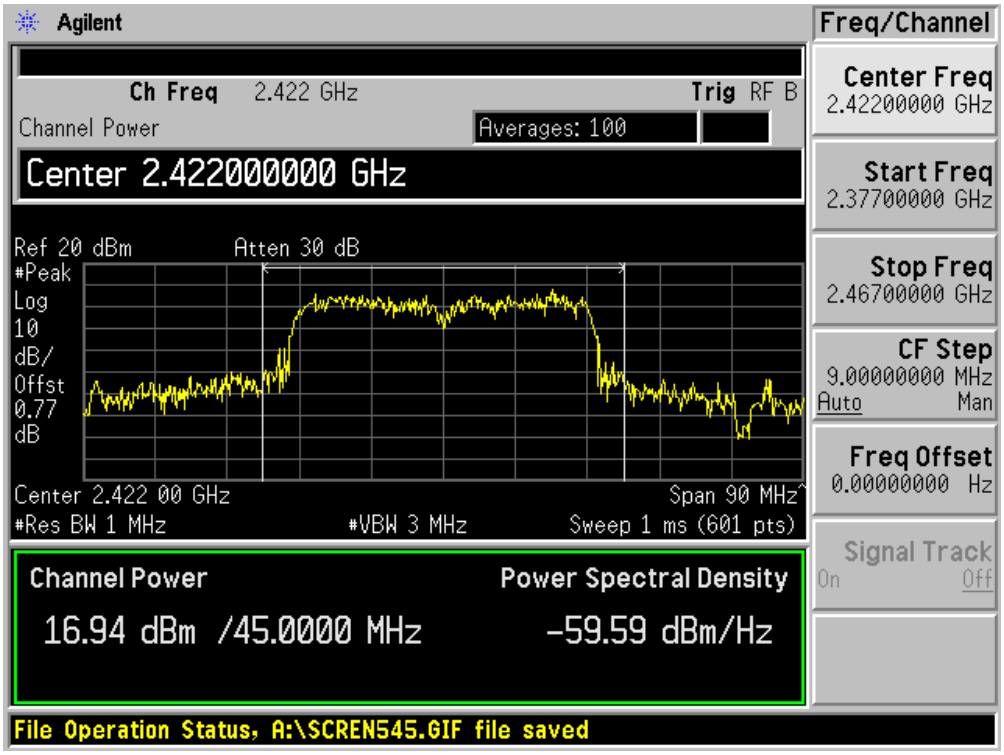
Channel 151 (5755MHz) – Chain B



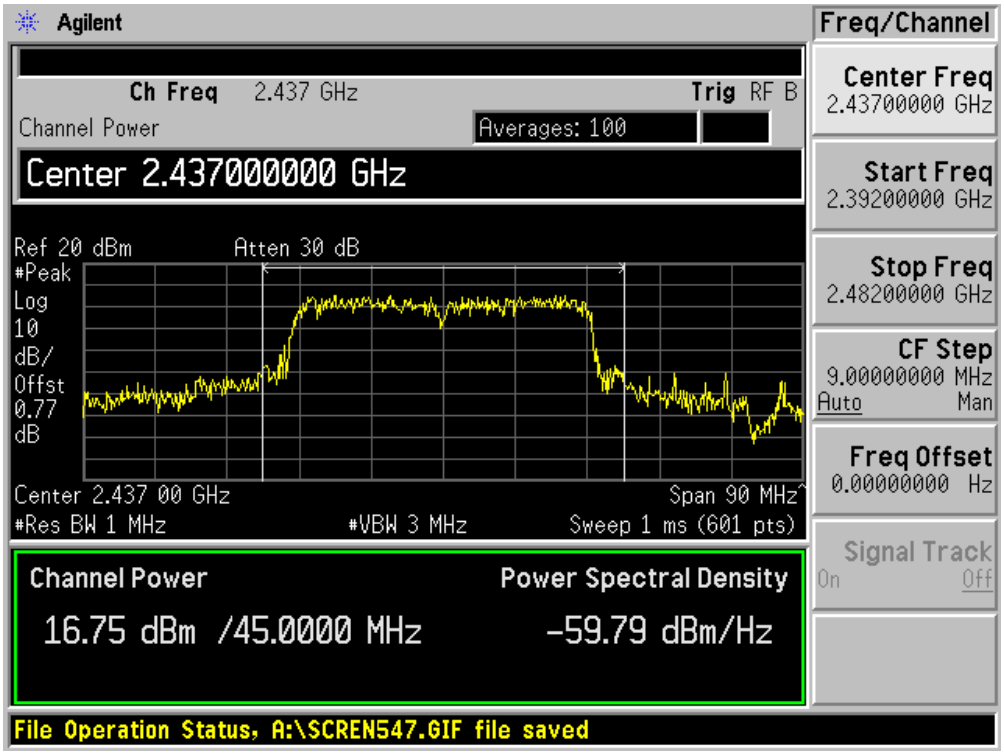
Channel 159 (5795MHz) – Chain B



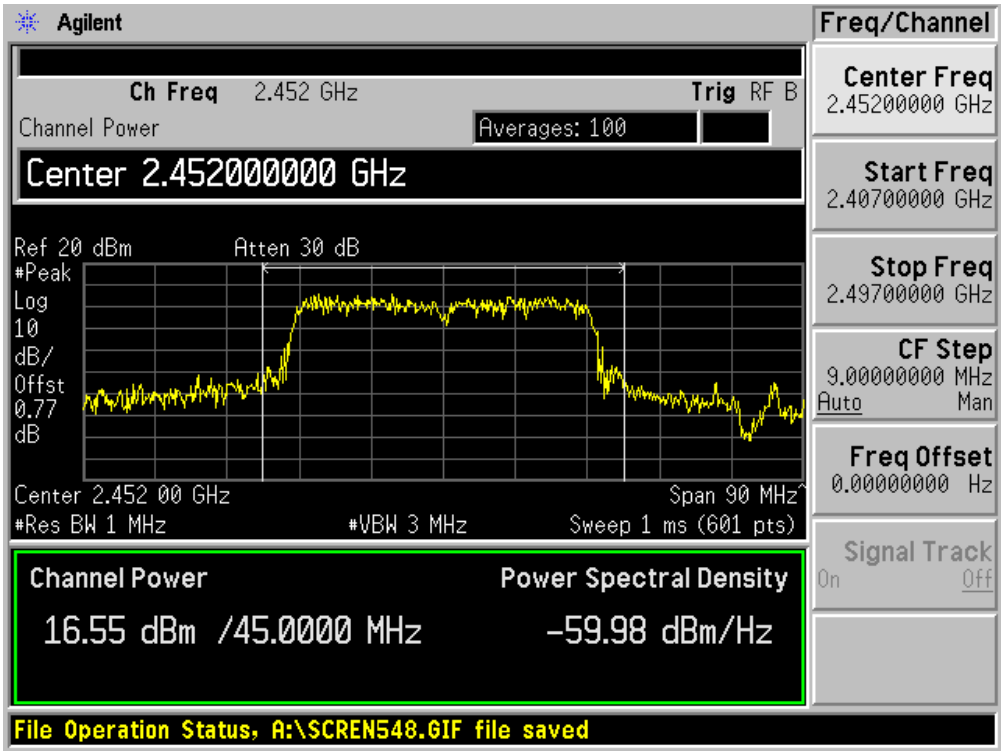
Channel 03 (2422MHz) – Chain C



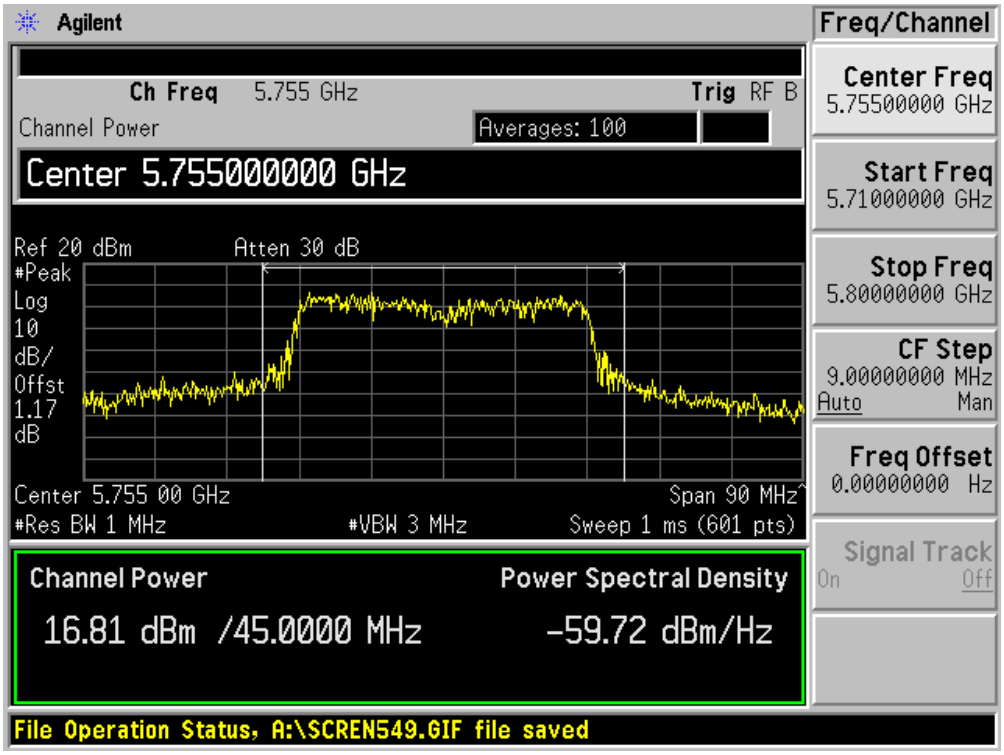
Channel 06 (2437MHz) – Chain C



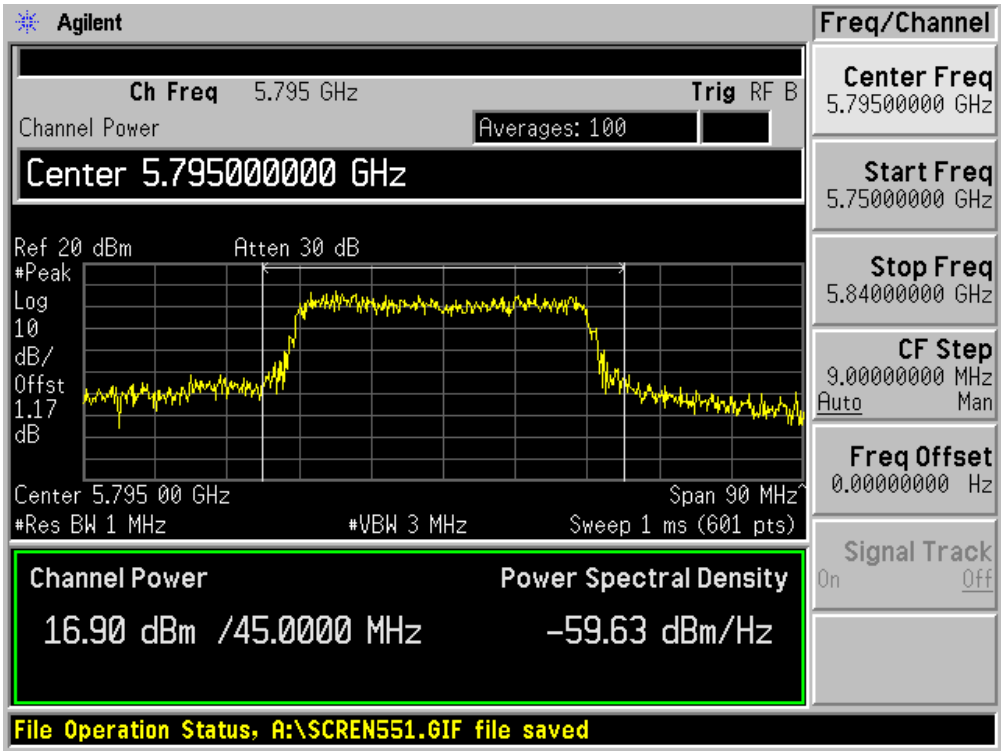
Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



Channel 159 (5795MHz) – Chain C

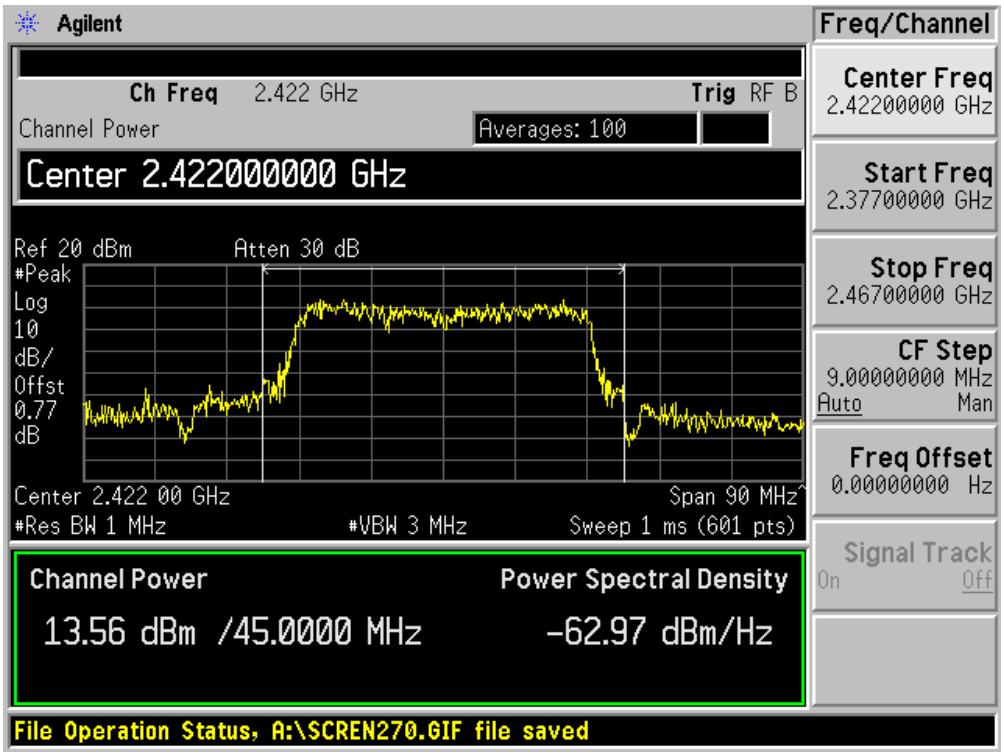


Product	:	Notebook Computer
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+B+C)

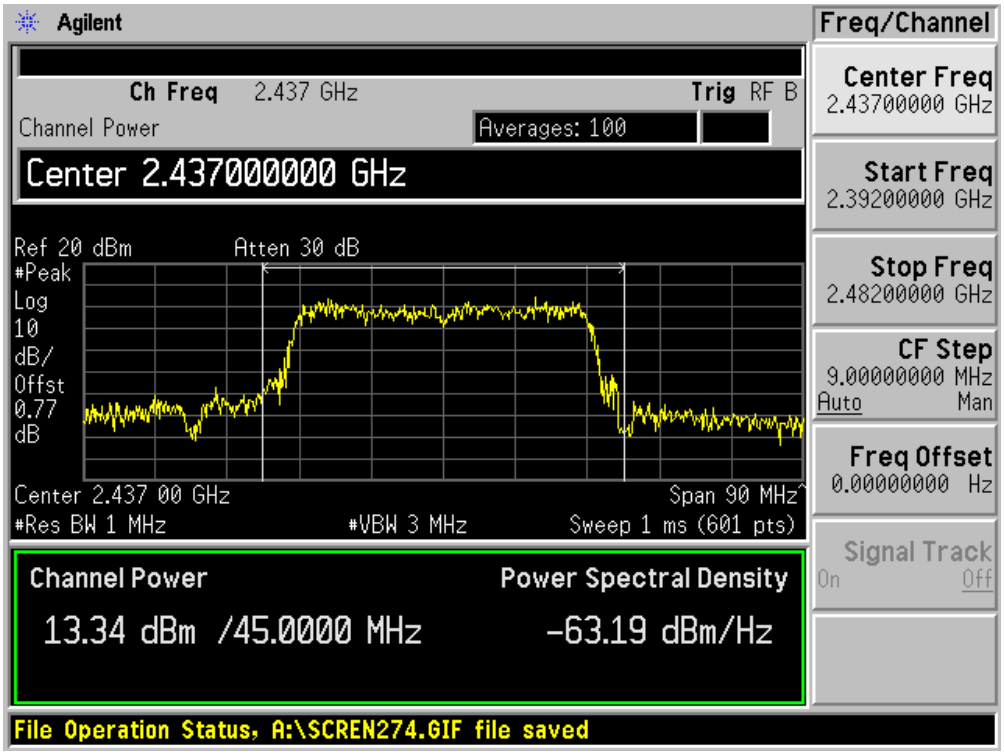
Channel No.	Frequency (MHz)	Measurement Power Output (dBm)			Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
3	2422	13.56	15.03	15.15	19.41	30.00	Pass
6	2437	13.34	14.84	15.14	19.28	30.00	Pass
9	2452	14.20	14.48	14.86	19.29	30.00	Pass
151	5755	13.40	14.39	15.16	19.15	30.00	Pass
159	5795	13.50	14.06	15.18	19.07	30.00	Pass

Note: The antenna gain of transmitter is less than 6dBi and other than fixed point-to-point operation, therefore the limit is 30dBm.

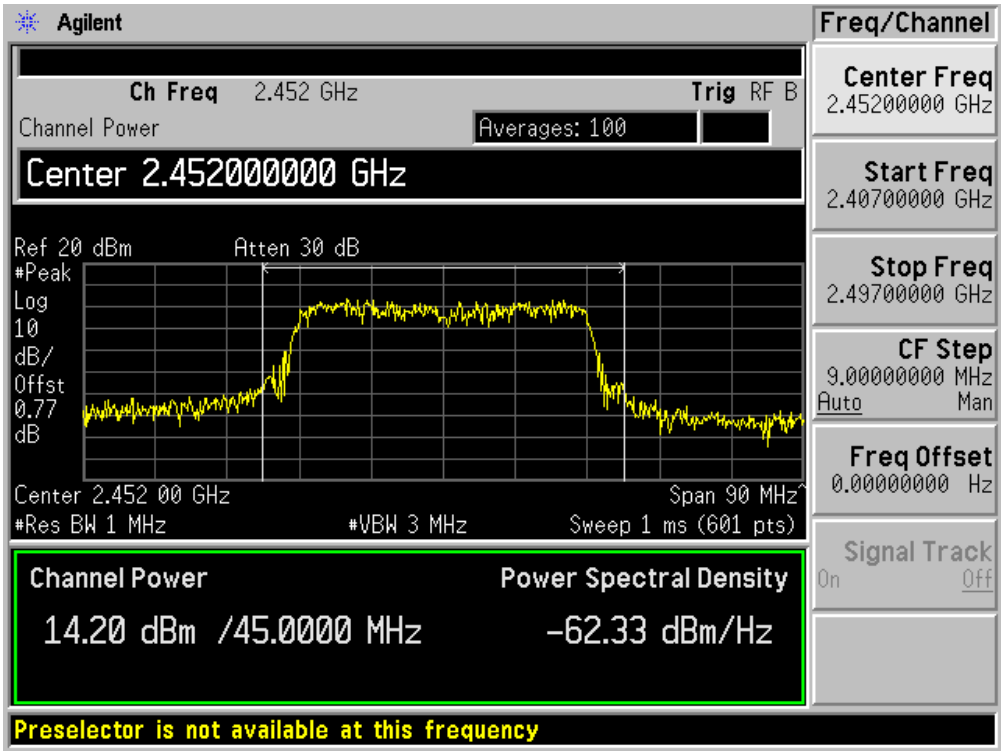
Channel 03 (2422MHz) – Chain A



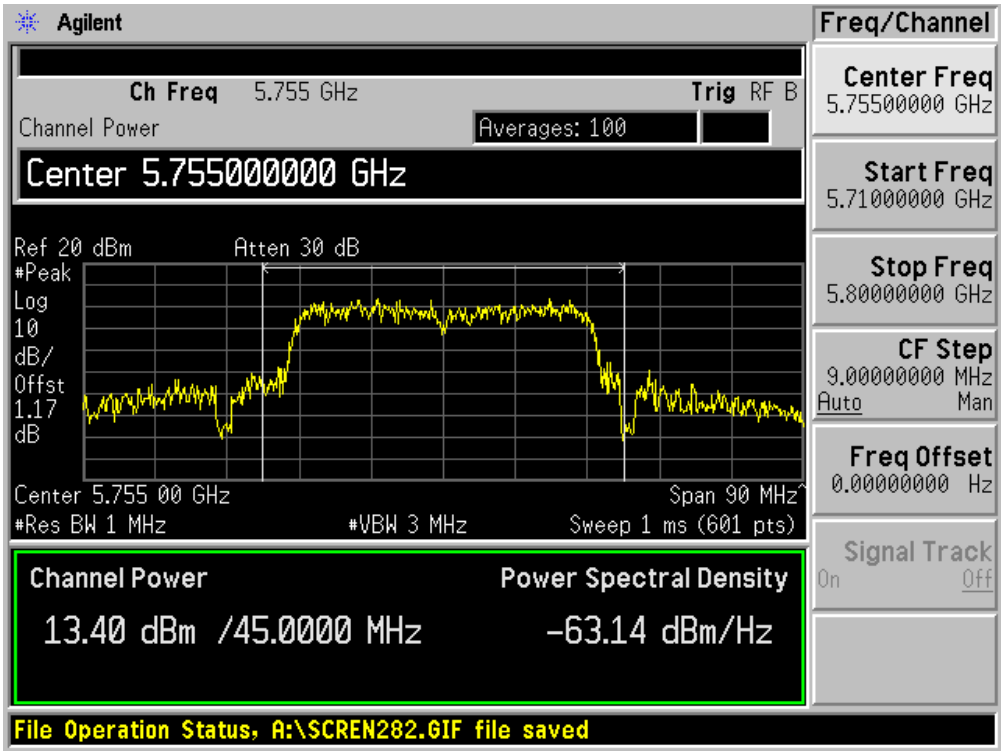
Channel 06 (2437MHz) – Chain A



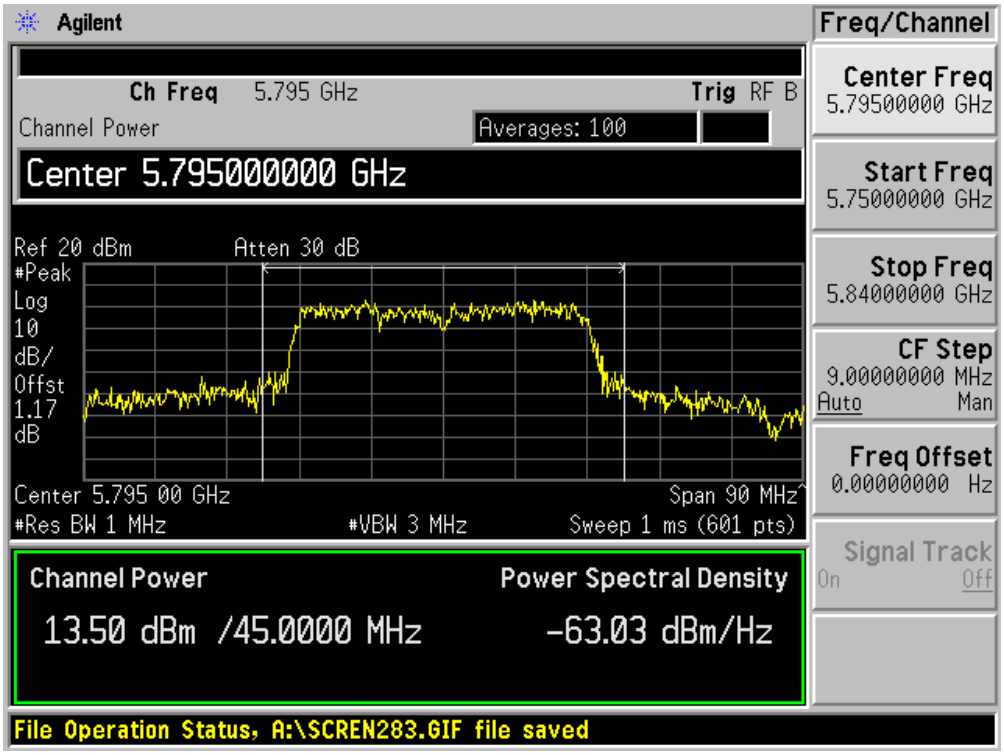
Channel 09 (2452MHz) – Chain A



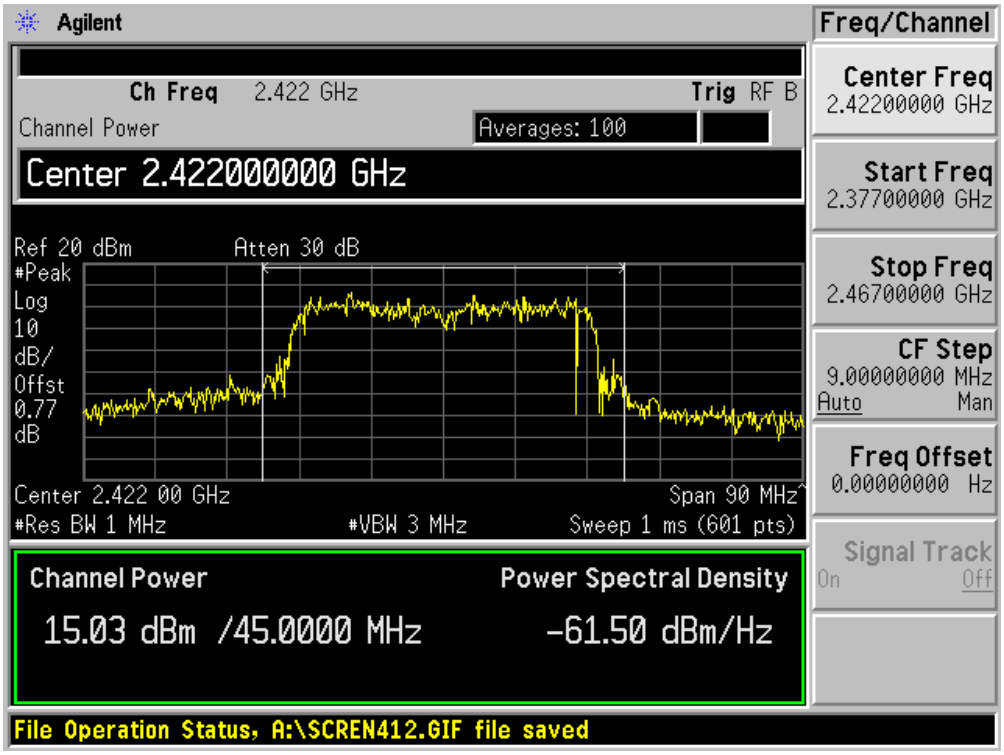
Channel 151 (5755MHz) – Chain A



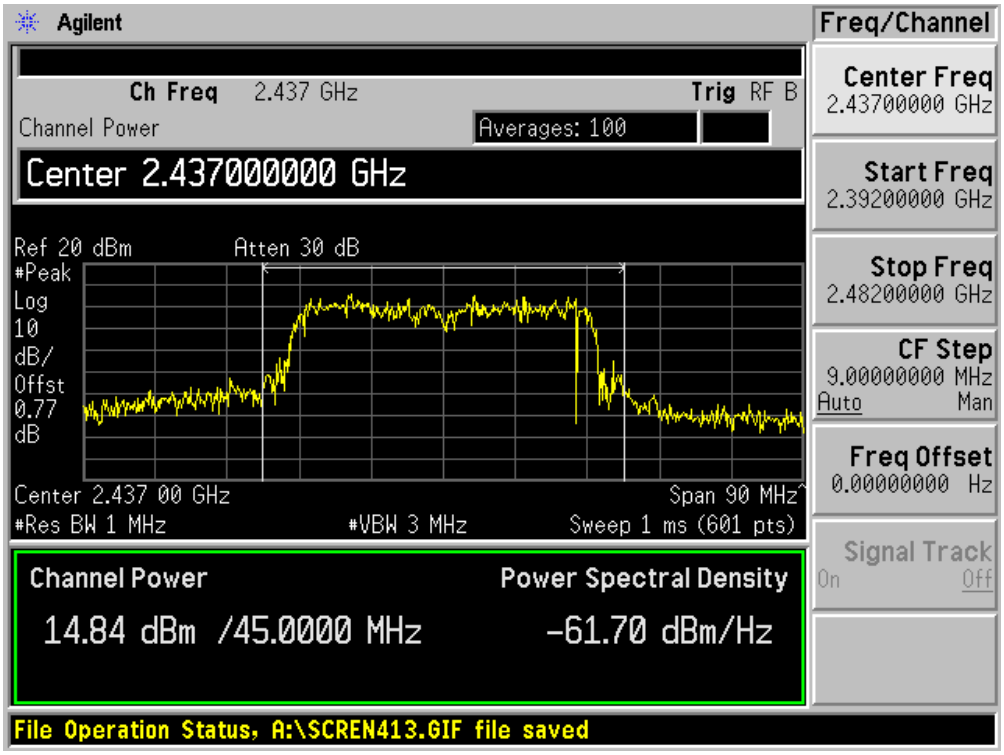
Channel 159 (5795MHz) – Chain A



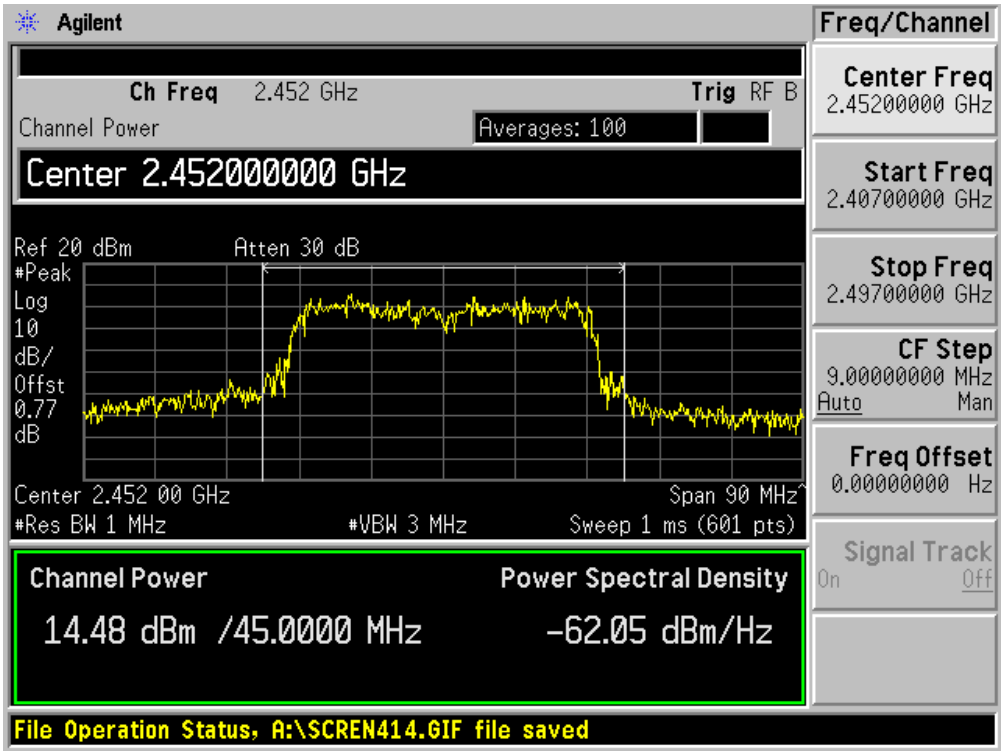
Channel 03 (2422MHz) – Chain B



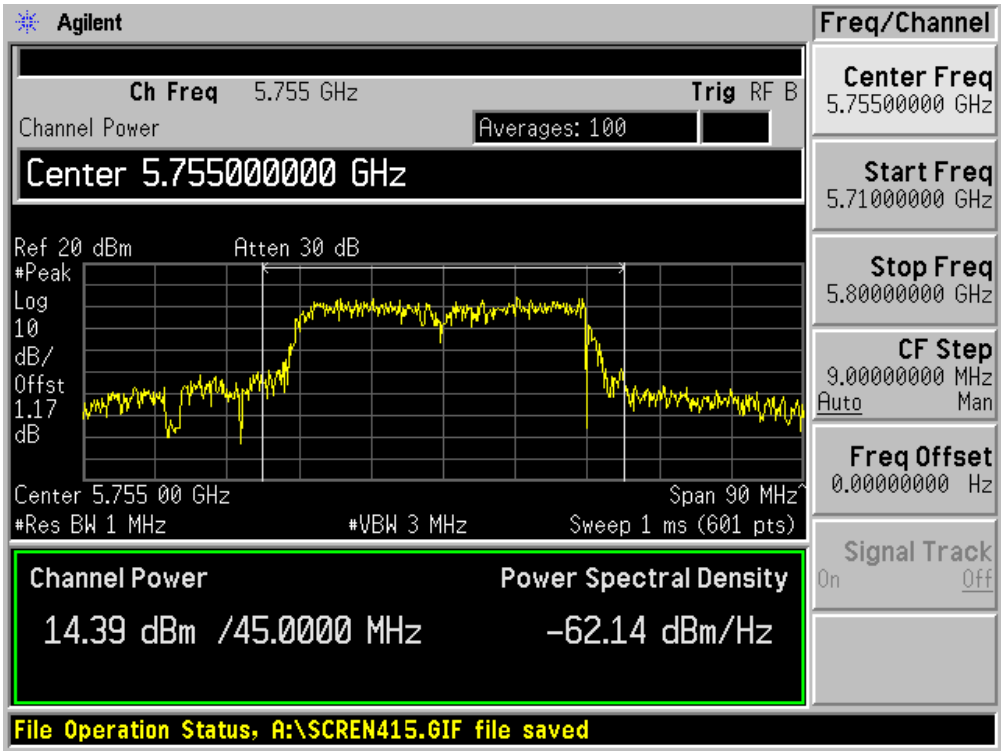
Channel 06 (2437MHz) – Chain B



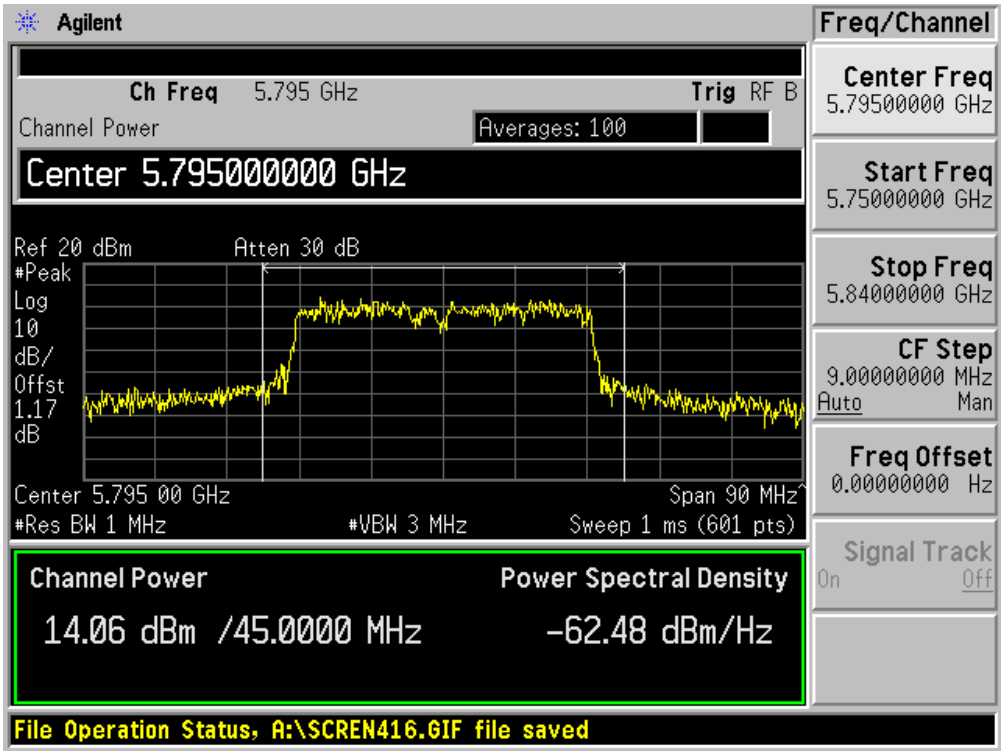
Channel 09 (2452MHz) – Chain B



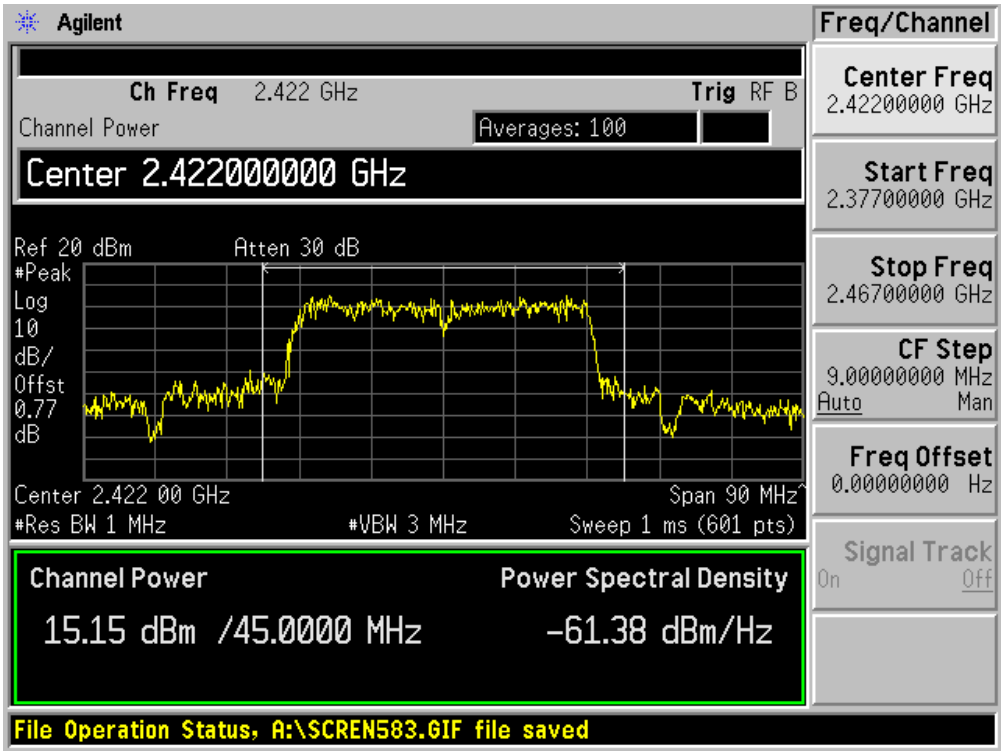
Channel 151 (5755MHz) – Chain B



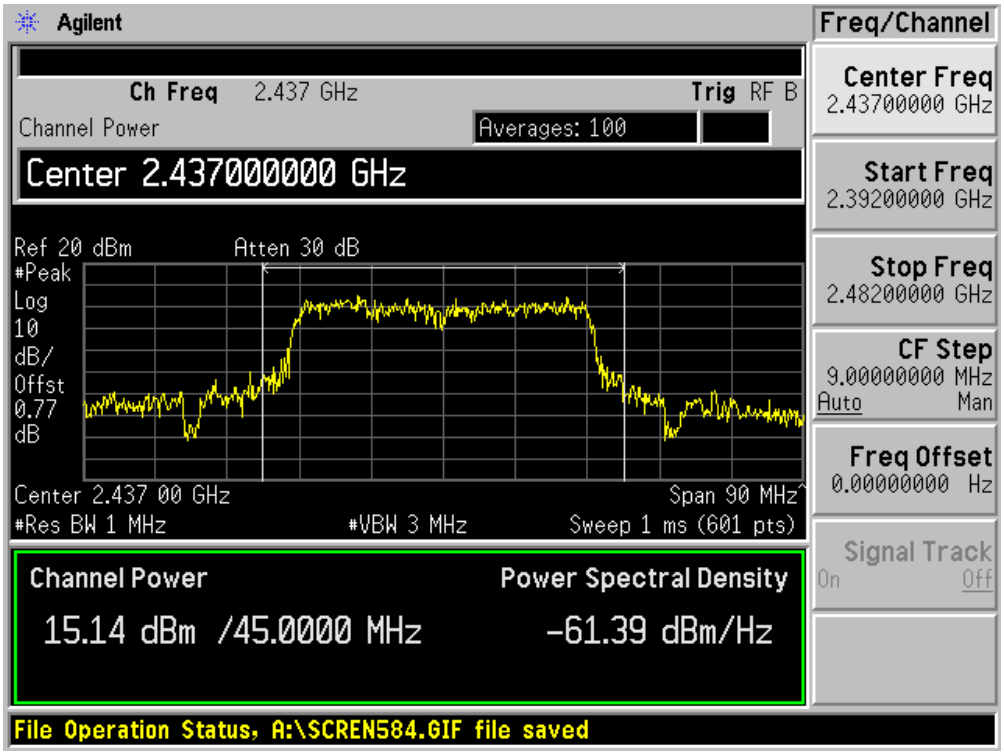
Channel 159 (5795MHz) – Chain B



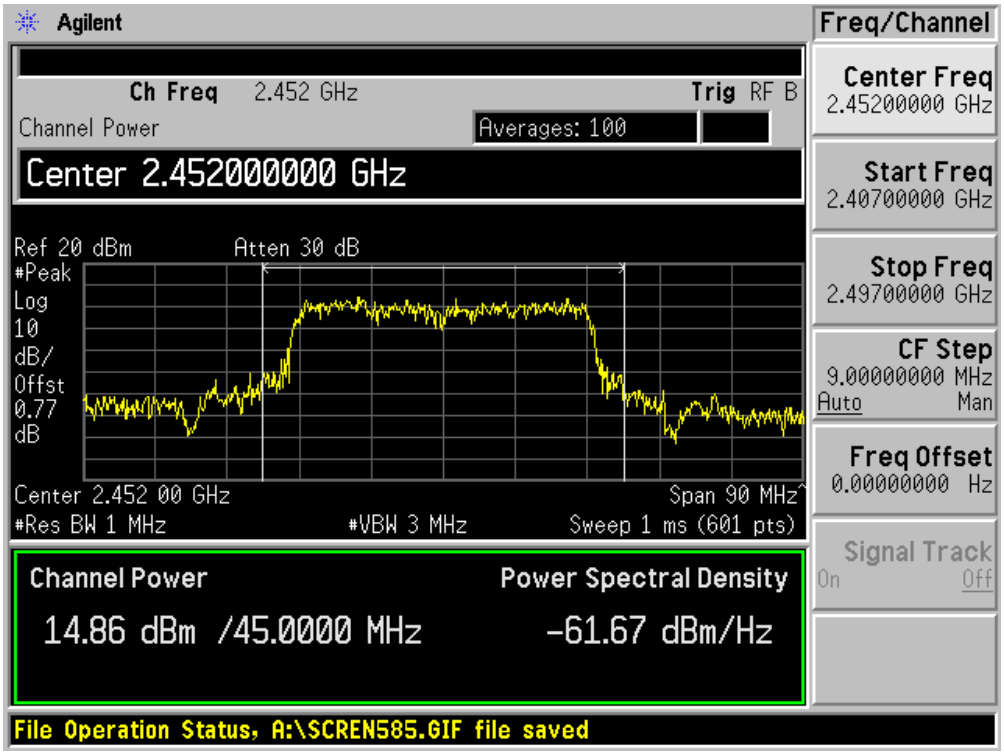
Channel 03 (2422MHz) – Chain C



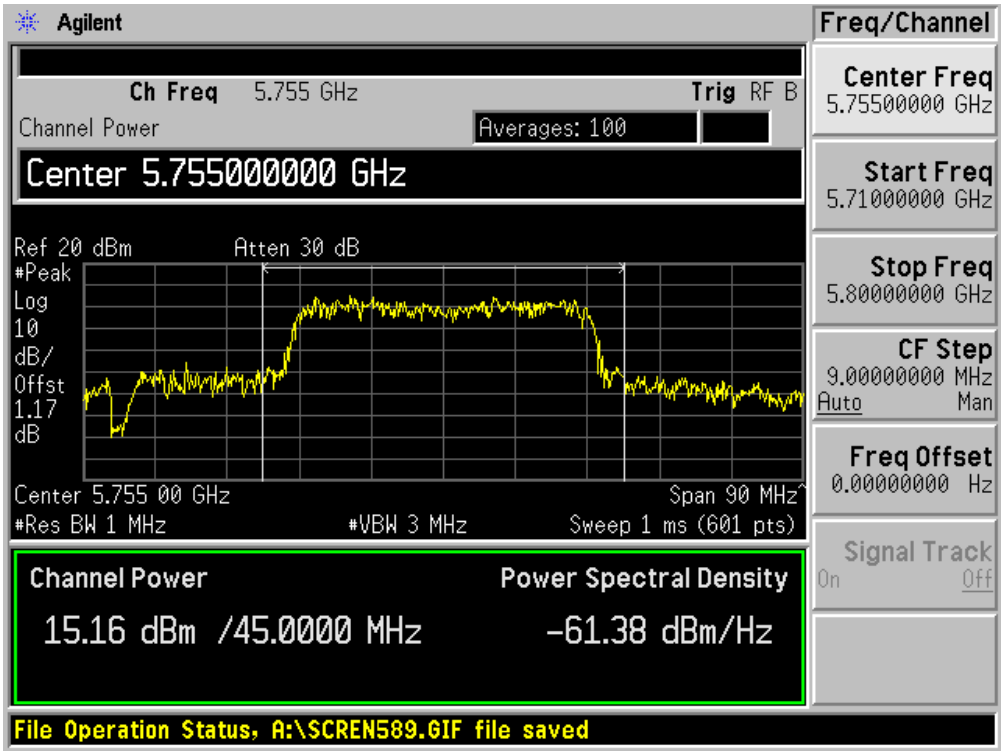
Channel 06 (2437MHz) – Chain C



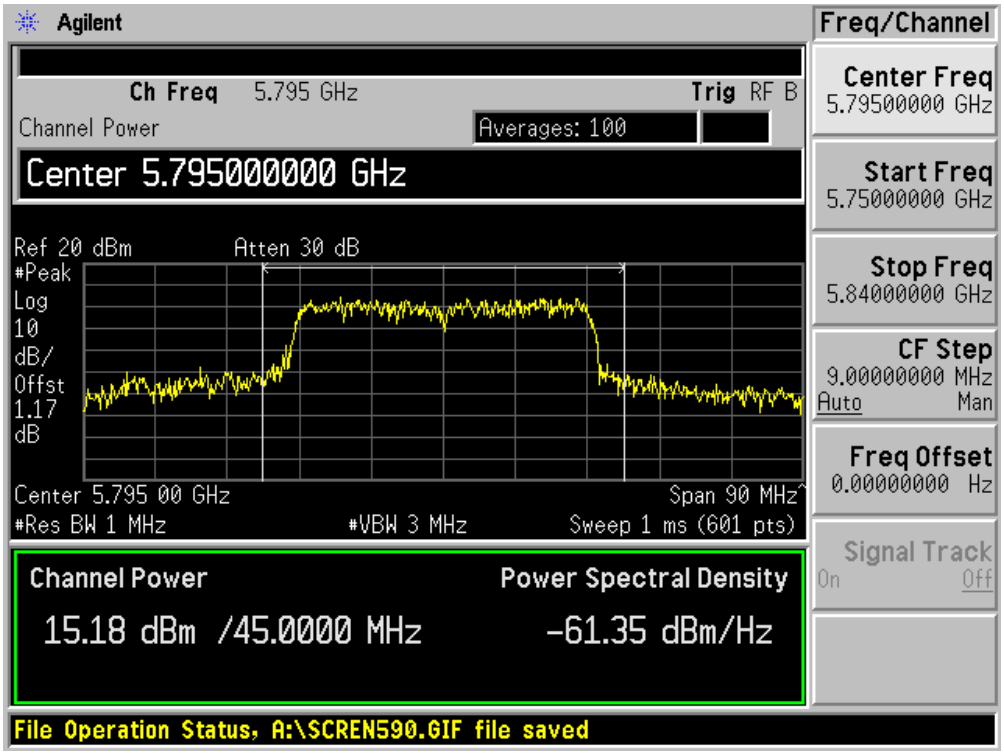
Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



Channel 159 (5795MHz) – Chain C



10. Power Spectral Density

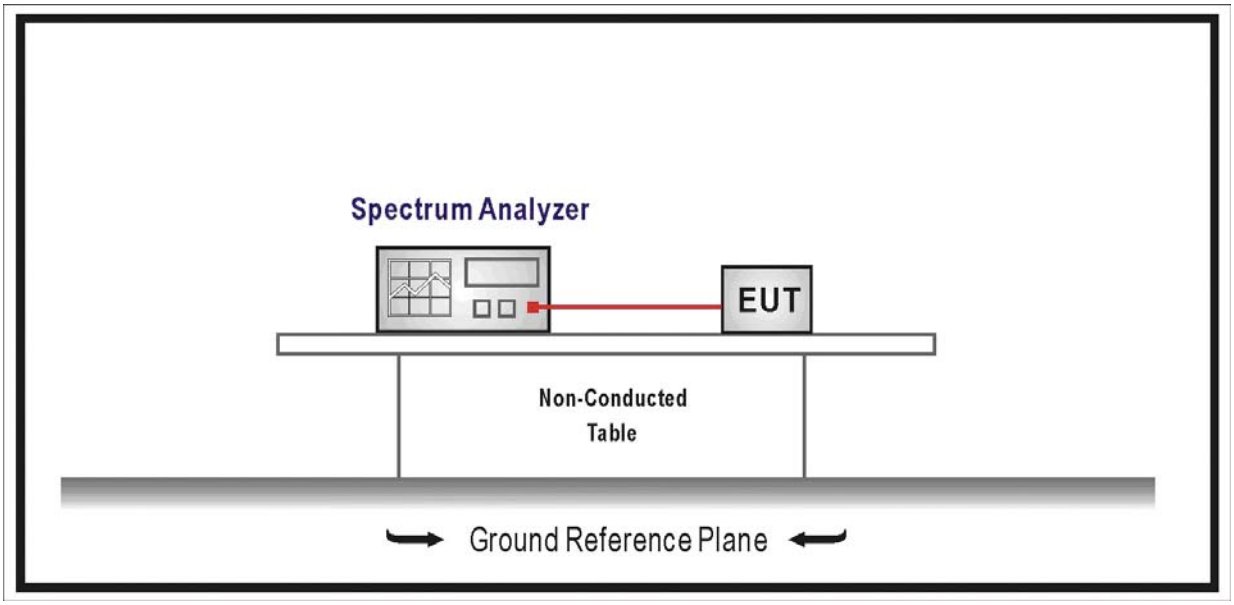
10.1. Test Equipment

Power Spectral Density / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

10.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector.

10.5. Uncertainty

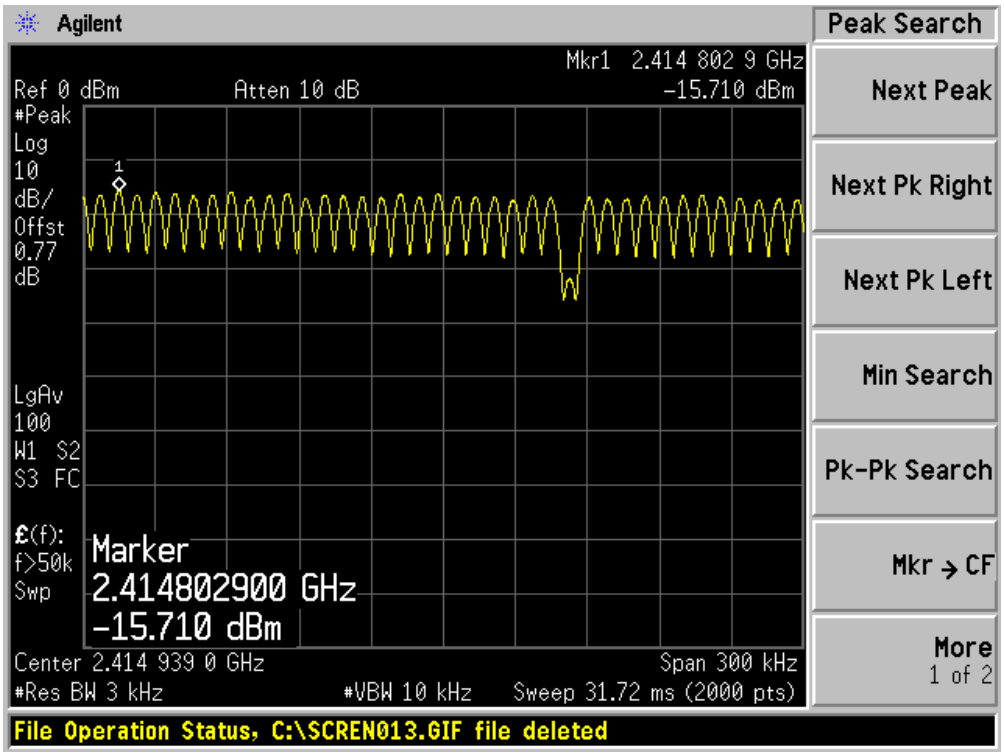
The measurement uncertainty is defined as ± 1.27 dB

10.6. Test Result

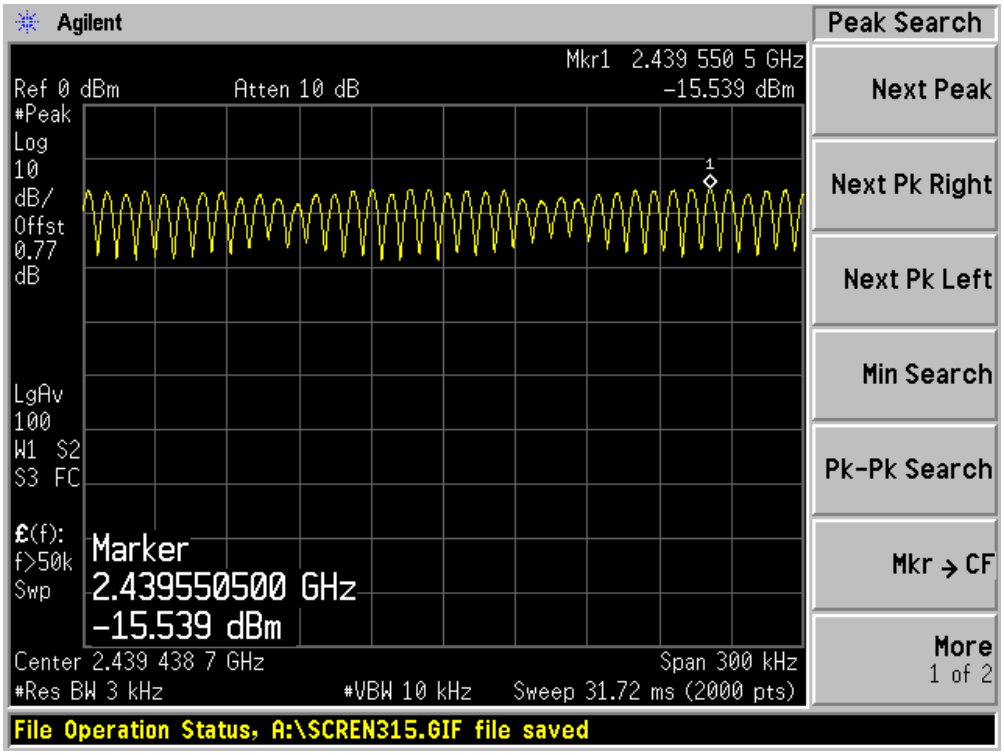
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-15.710	N/A	N/A	-15.710	8	Pass
06	2437	-15.539	N/A	N/A	-15.539	8	Pass
11	2462	-15.323	N/A	N/A	-15.323	8	Pass

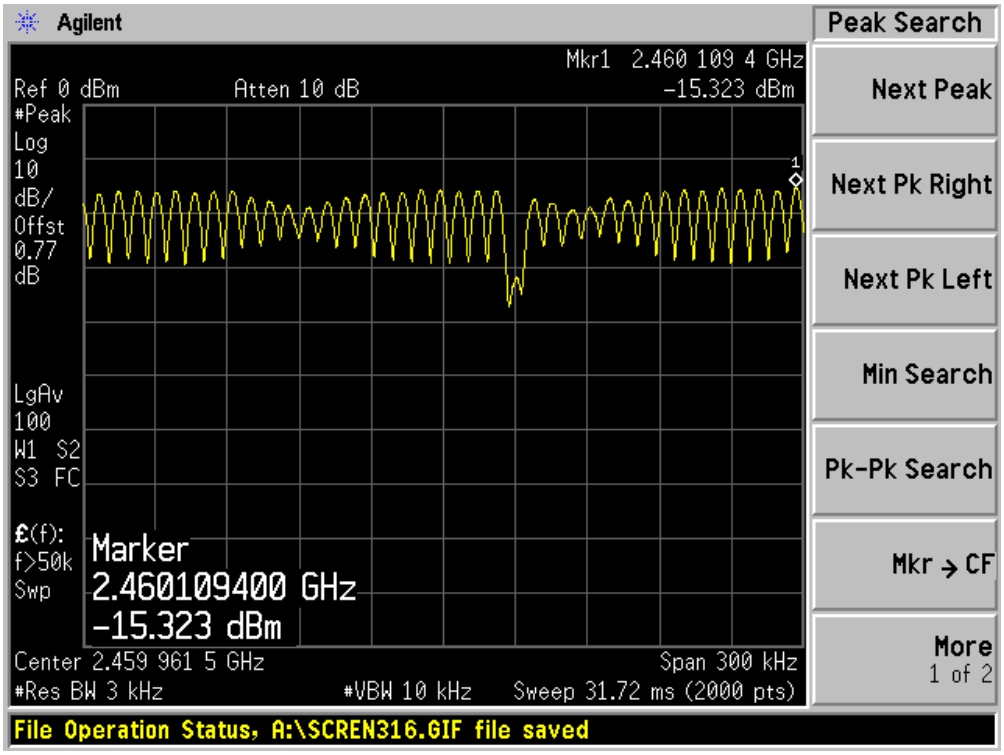
Channel 01 (2412MHz)



Channel 06 (2437MHz)



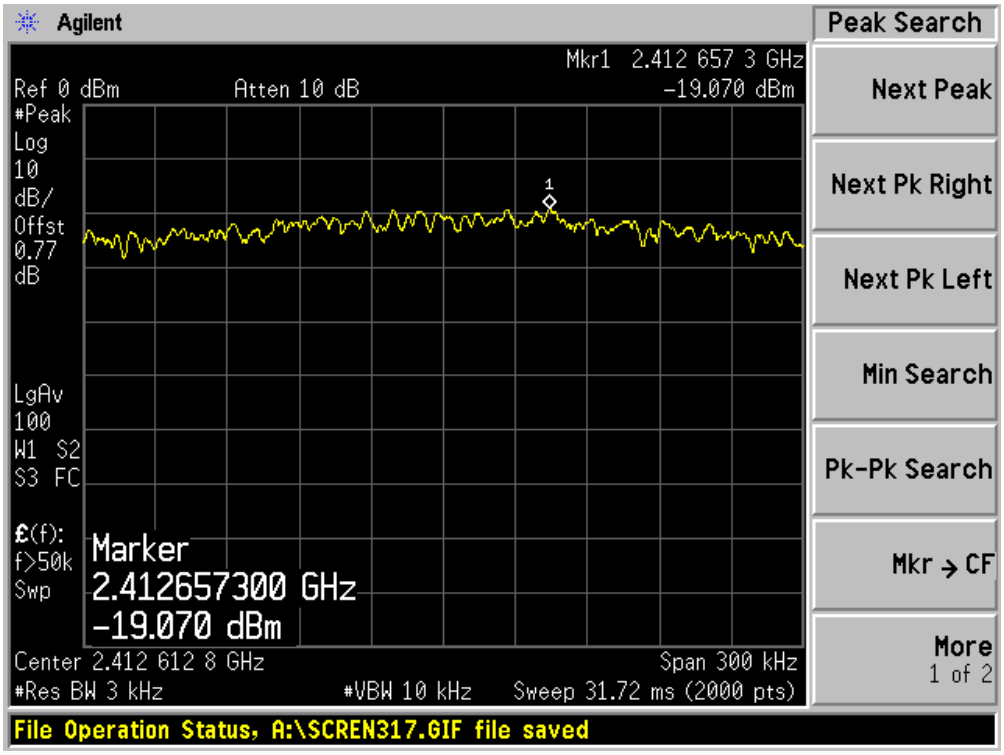
Channel 11 (2462MHz)



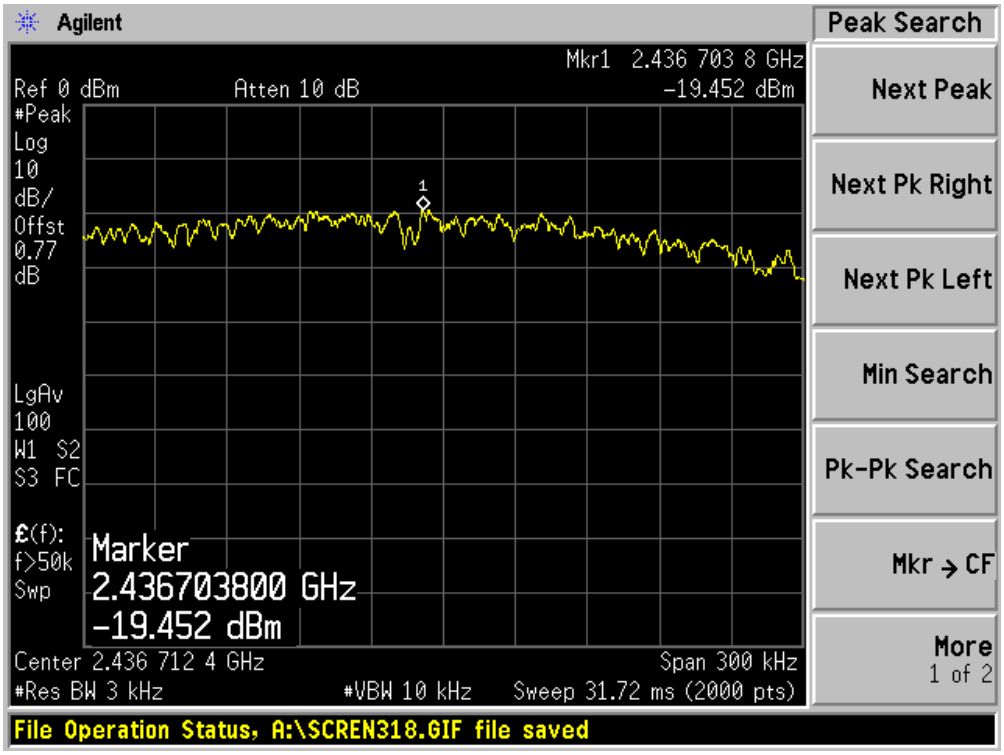
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-19.070	N/A	N/A	-19.070	8	Pass
06	2437	-19.452	N/A	N/A	-19.452	8	Pass
11	2462	-19.272	N/A	N/A	-19.272	8	Pass

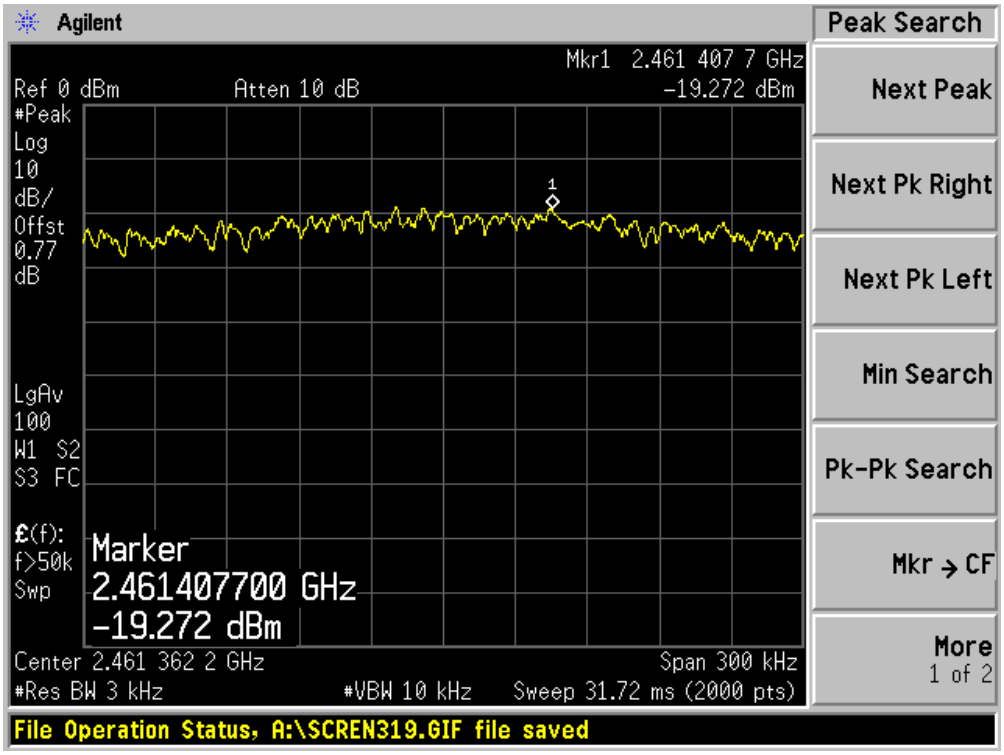
Channel 01 (2412MHz)



Channel 06 (2437MHz)



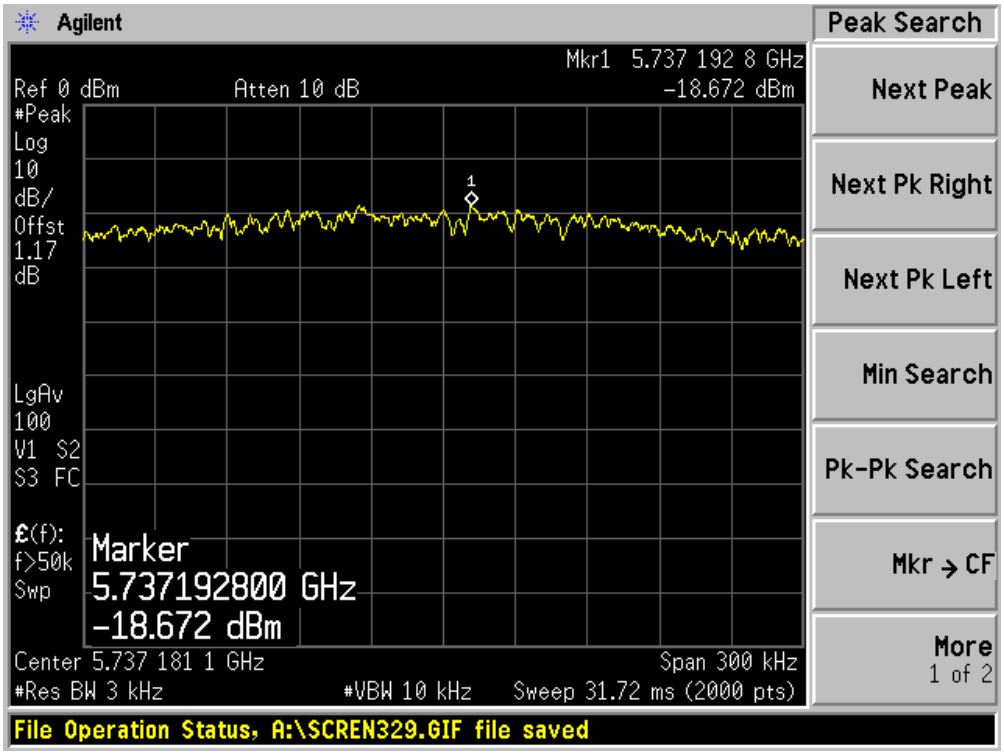
Channel 11 (2462MHz)



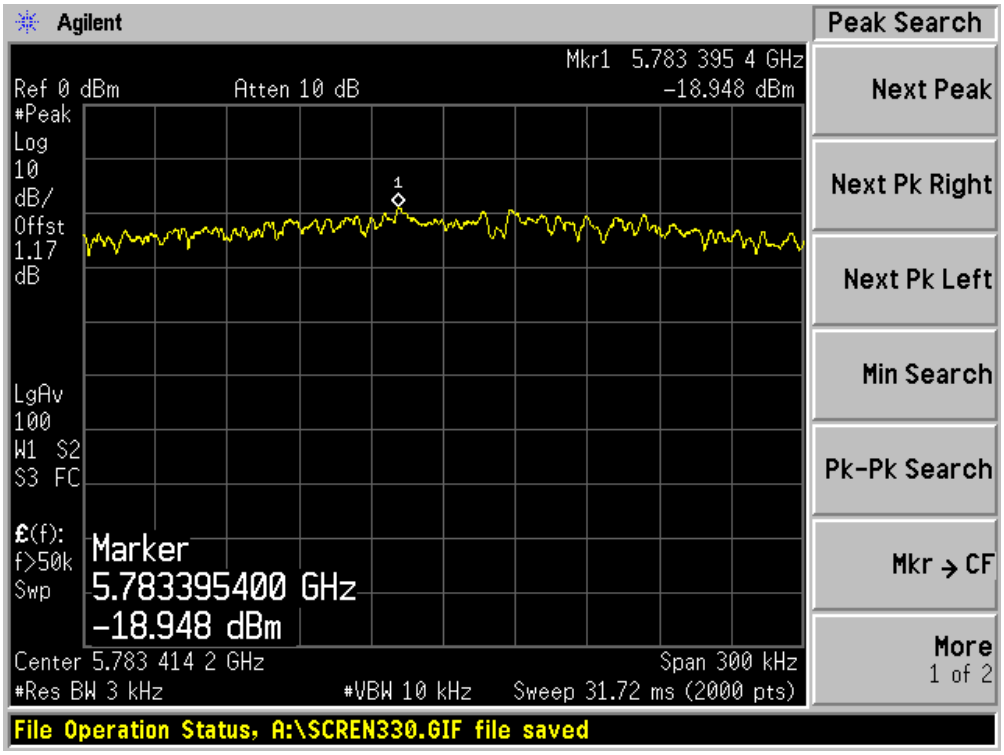
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	-18.672	N/A	N/A	-18.672	8	Pass
157	5785	-18.948	N/A	N/A	-18.948	8	Pass
165	5825	-19.016	N/A	N/A	-19.016	8	Pass

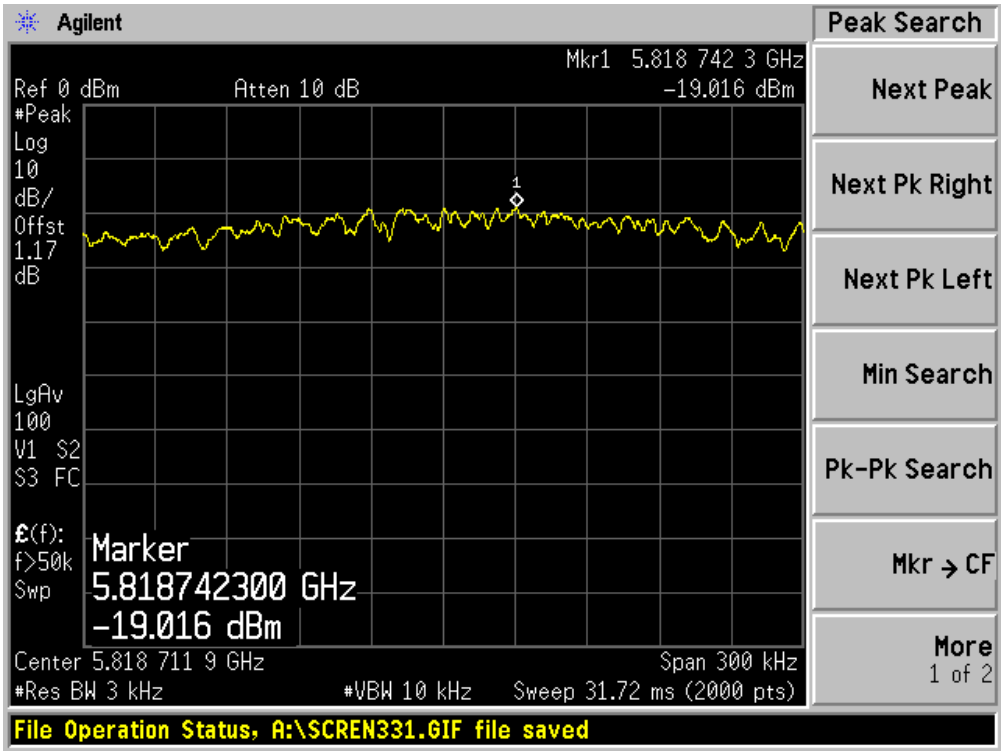
Channel 149 (5745MHz)



Channel 157 (5785MHz)



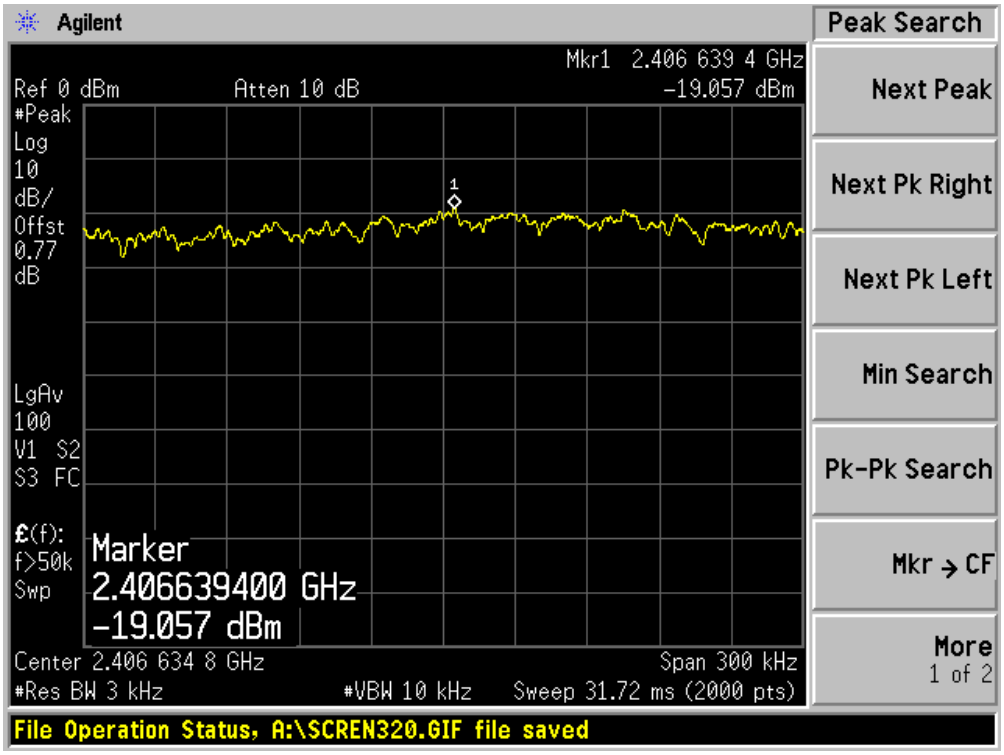
Channel 165 (5825MHz)



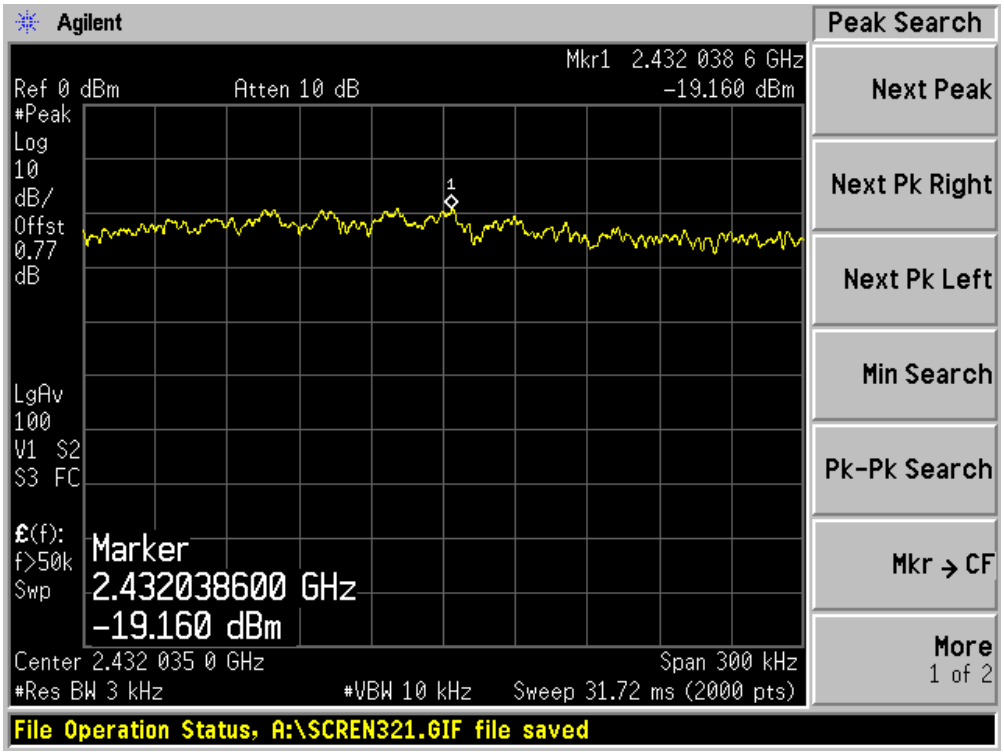
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-19.057	N/A	N/A	-19.057	8	Pass
06	2437	-19.160	N/A	N/A	-19.160	8	Pass
11	2462	-19.142	N/A	N/A	-19.142	8	Pass
149	5745	-19.527	N/A	N/A	-19.527	8	Pass
157	5785	-20.090	N/A	N/A	-20.090	8	Pass
165	5825	-19.820	N/A	N/A	-19.820	8	Pass

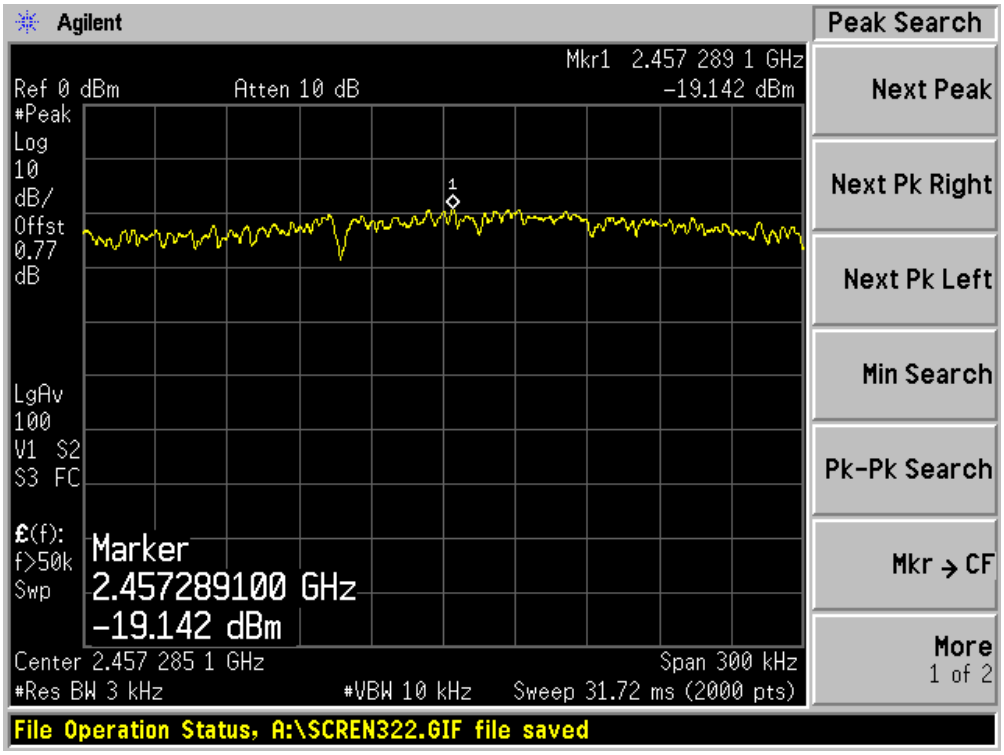
Channel 01 (2412MHz)



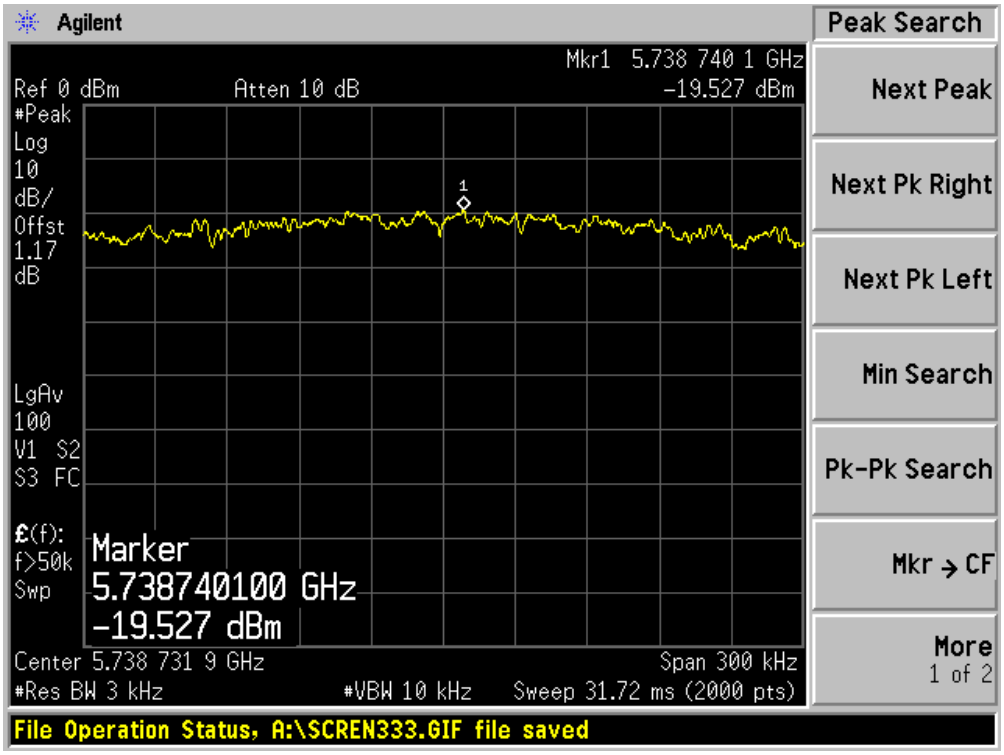
Channel 06 (2437MHz)



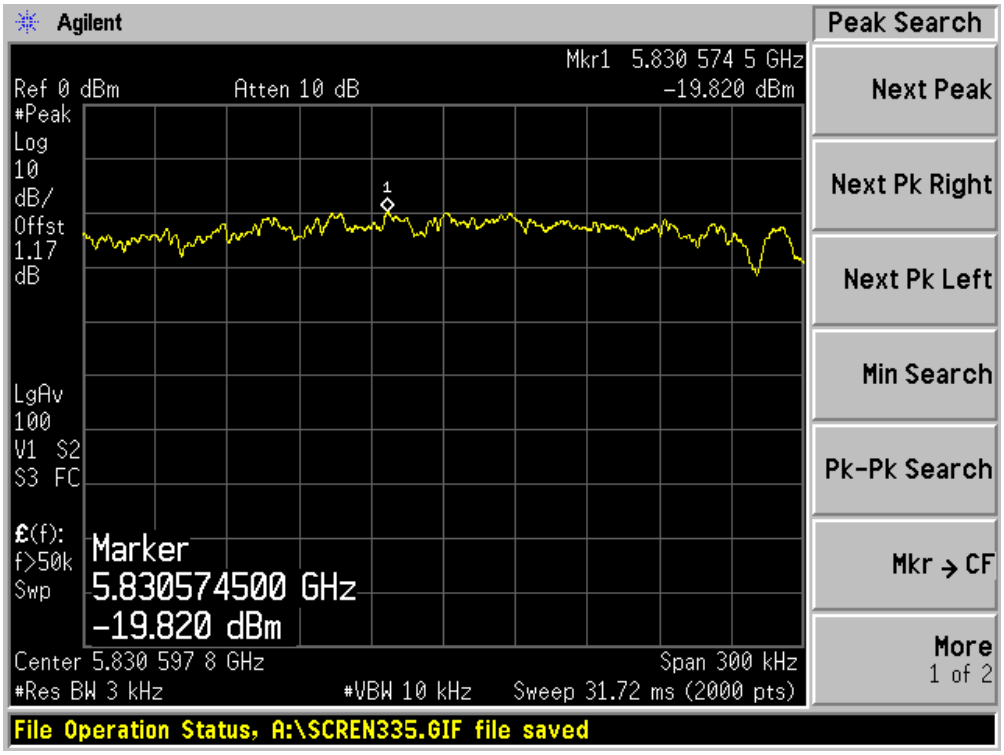
Channel 11 (2462MHz)



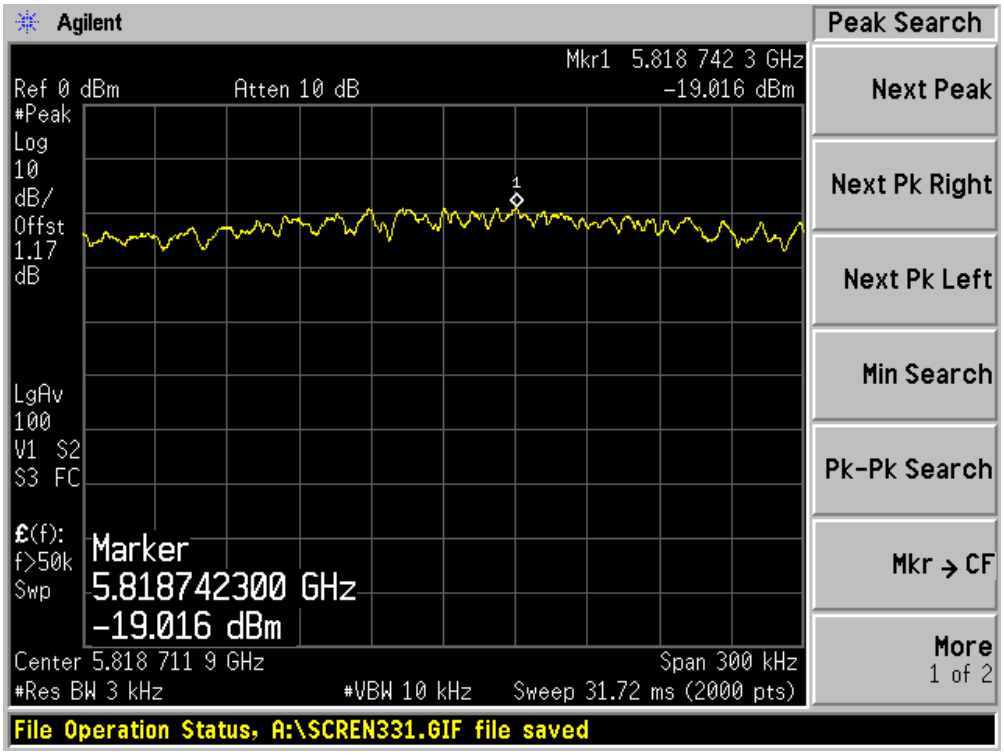
Channel 149 (5745MHz)



Channel 157 (5785MHz)



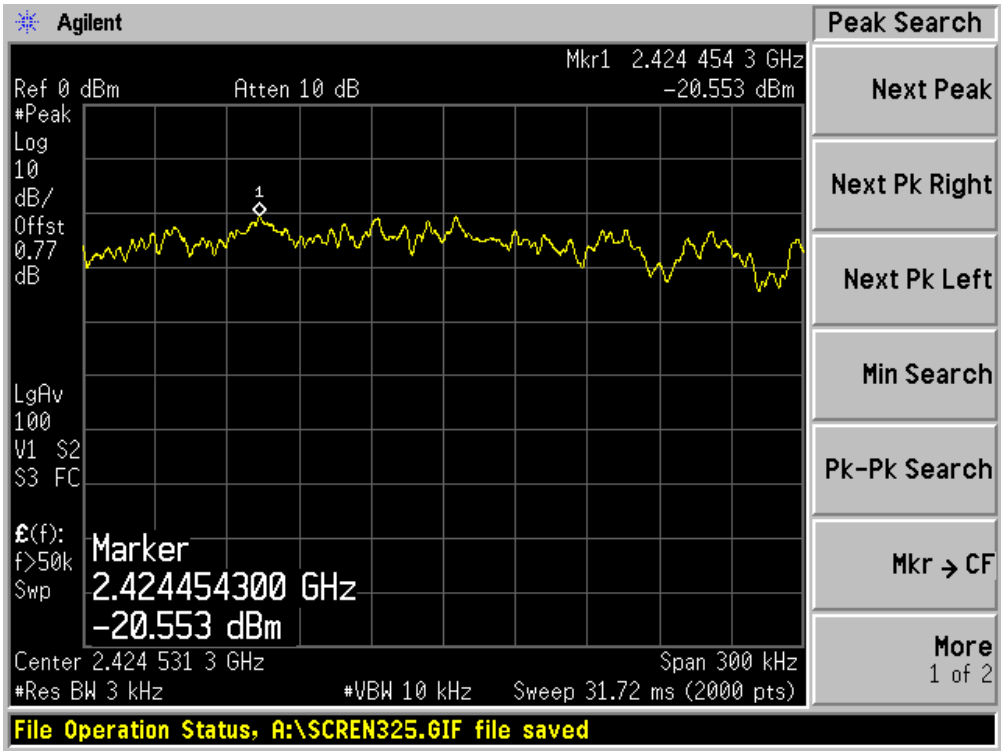
Channel 165 (5825MHz)



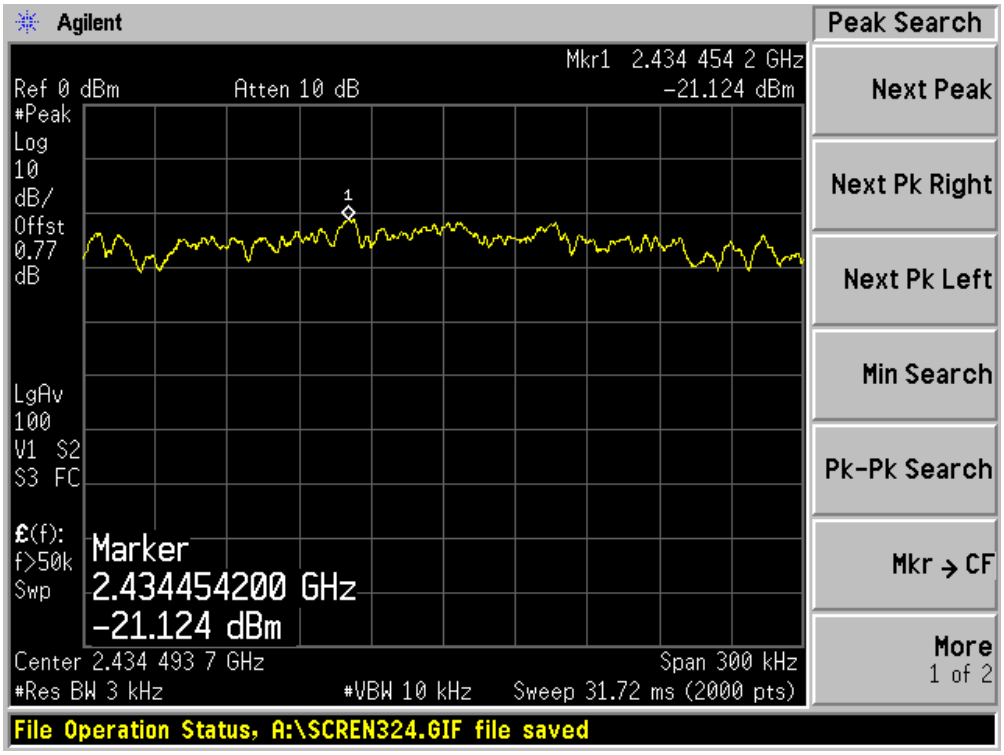
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	-20.553	N/A	N/A	-20.553	8	Pass
06	2437	-21.124	N/A	N/A	-21.124	8	Pass
09	2452	-22.167	N/A	N/A	-22.167	8	Pass
151	5755	-20.437	N/A	N/A	-20.437	8	Pass
159	5795	-20.570	N/A	N/A	-20.570	8	Pass

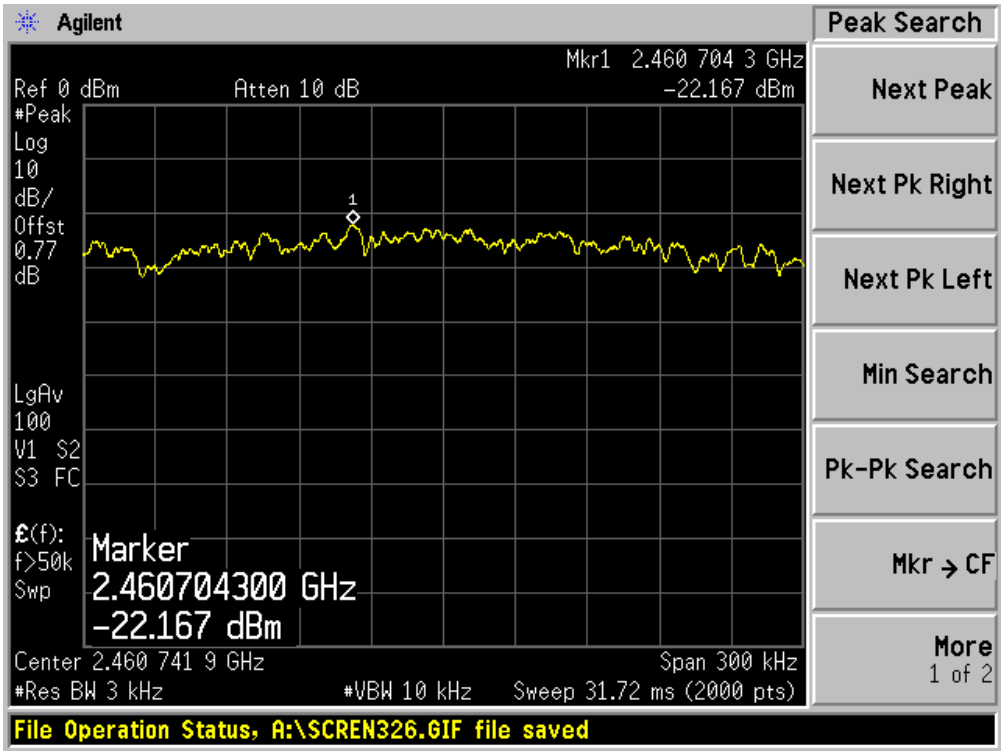
Channel 03 (2422MHz)



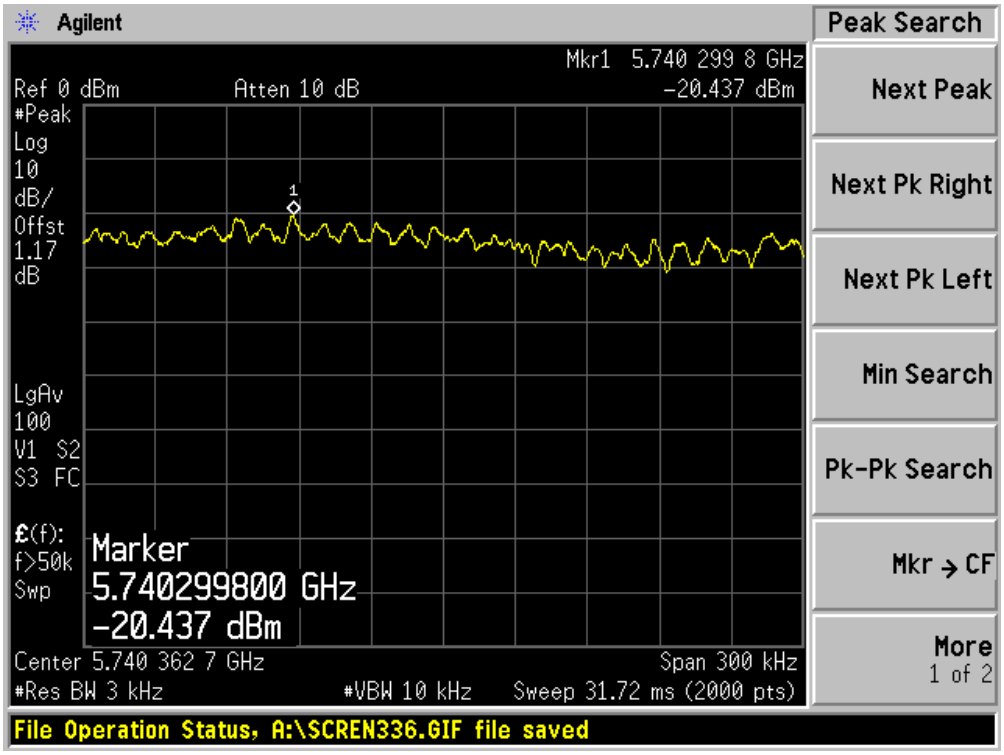
Channel 06 (2437MHz)



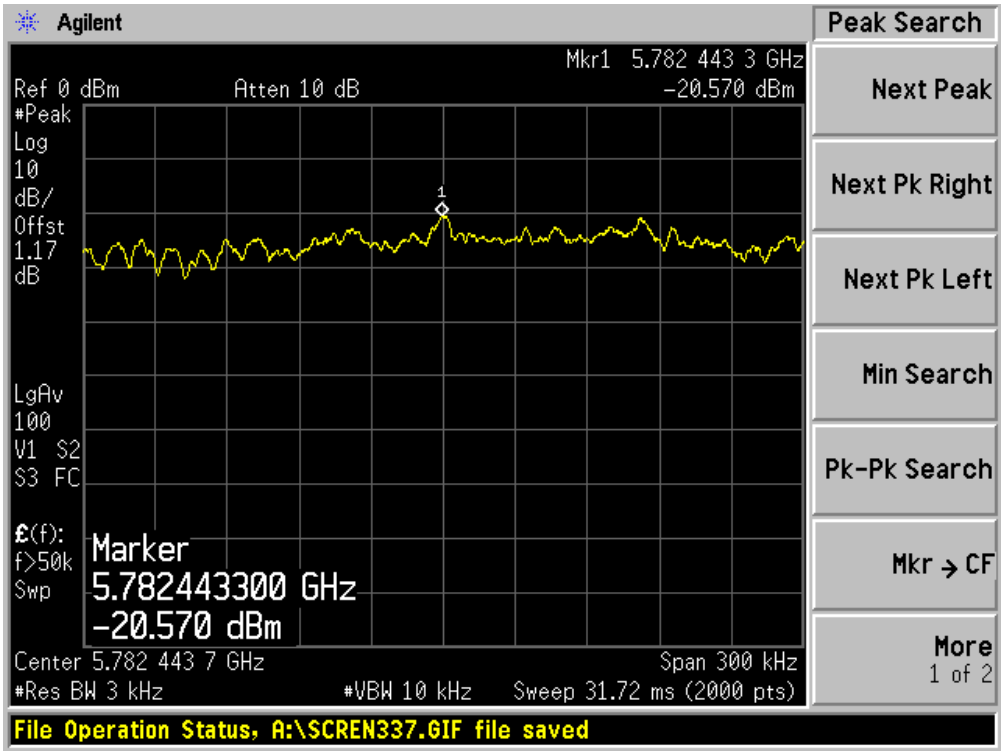
Channel 09 (2452MHz)



Channel 151 (5755MHz)



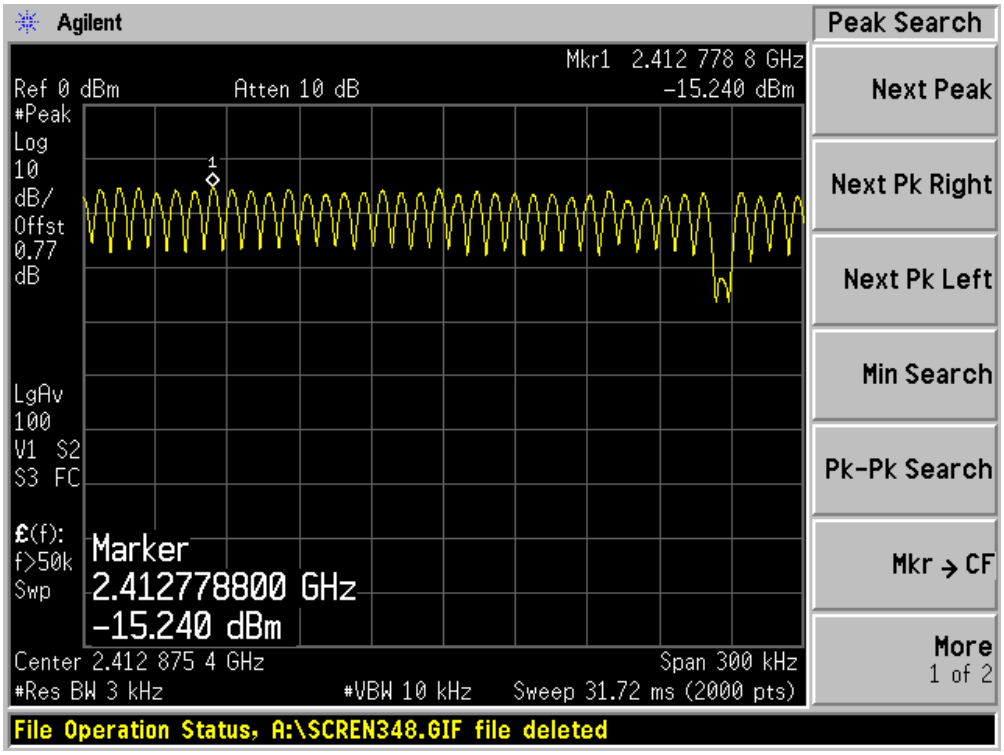
Channel 159 (5795MHz)



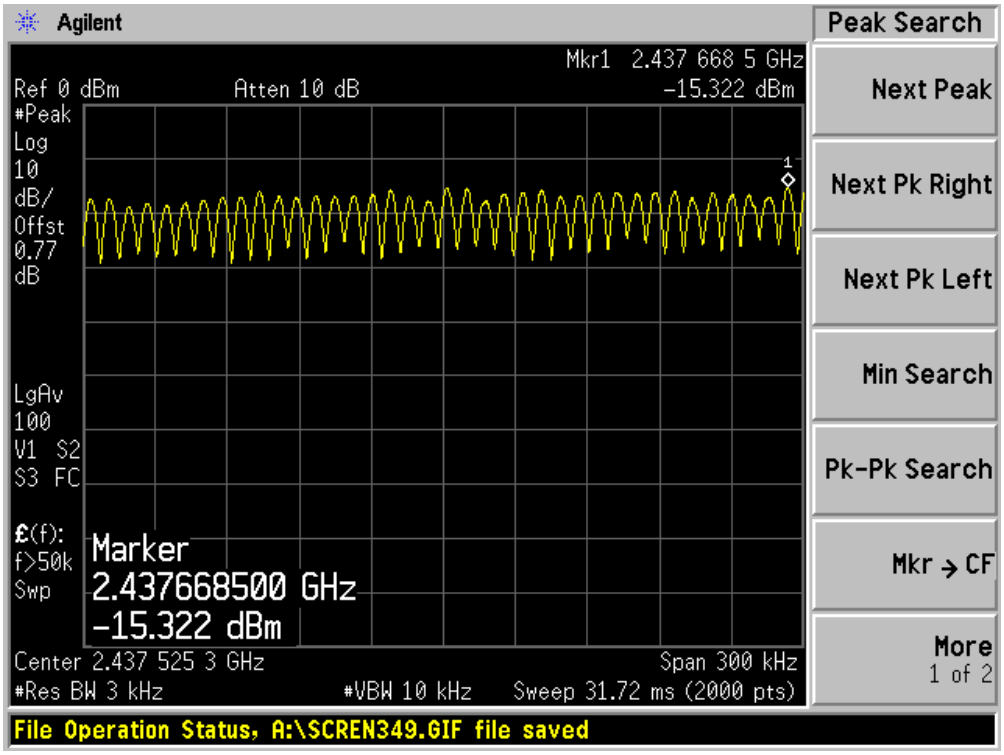
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	-15.240	N/A	-15.240	8	Pass
06	2437	N/A	-15.322	N/A	-15.322	8	Pass
11	2462	N/A	-15.189	N/A	-15.189	8	Pass

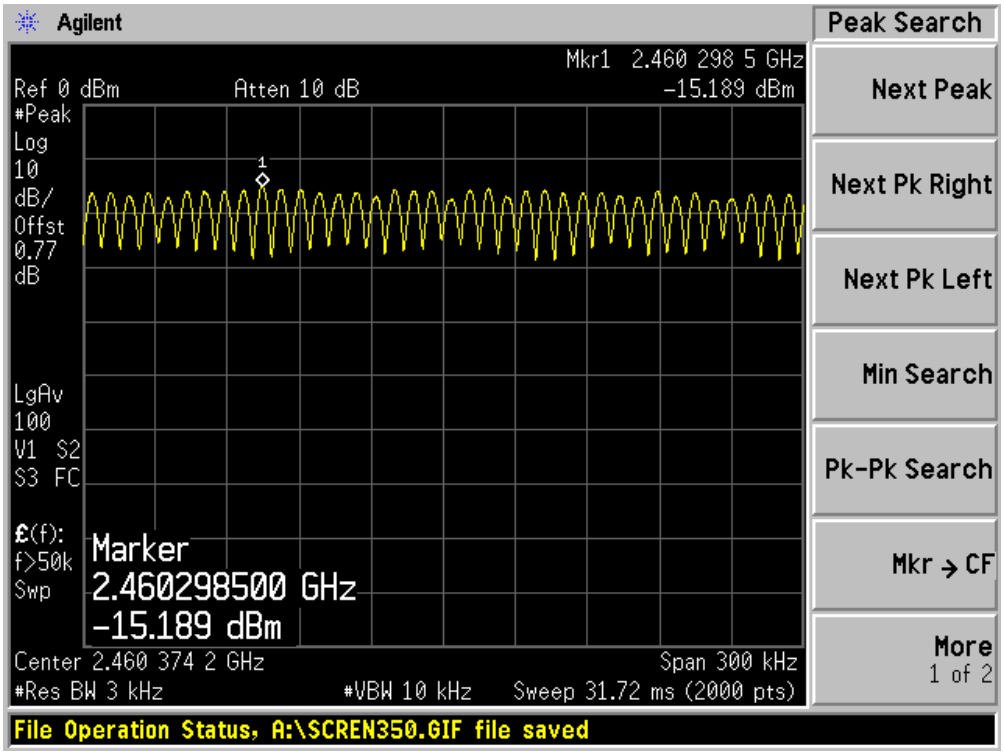
Channel 01 (2412MHz)



Channel 06 (2437MHz)



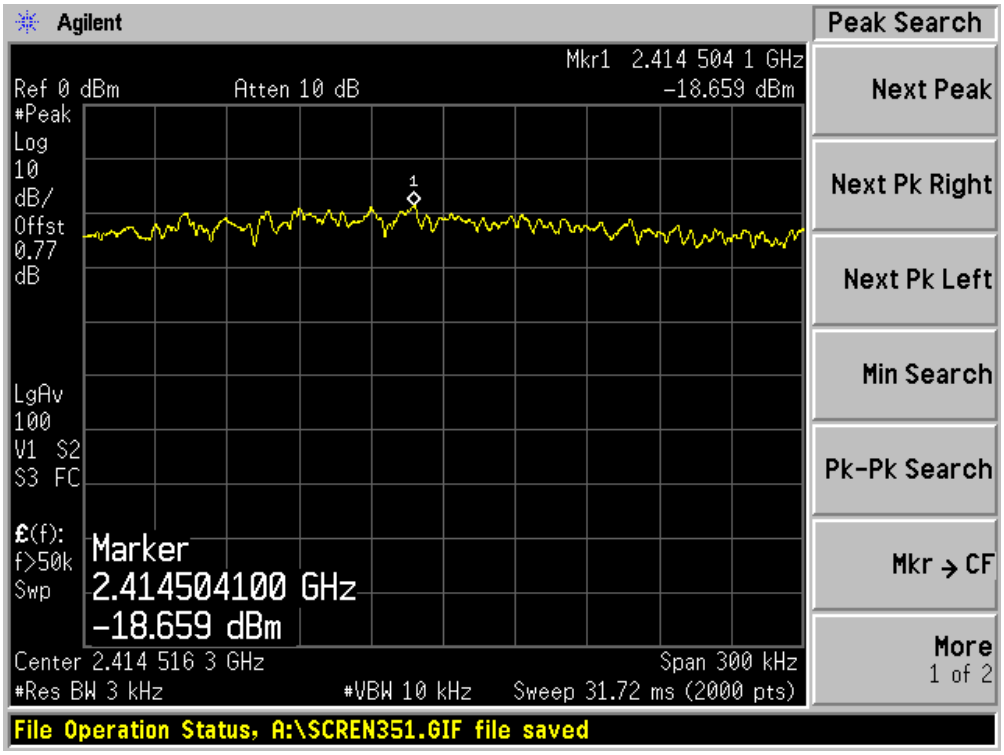
Channel 11 (2462MHz)



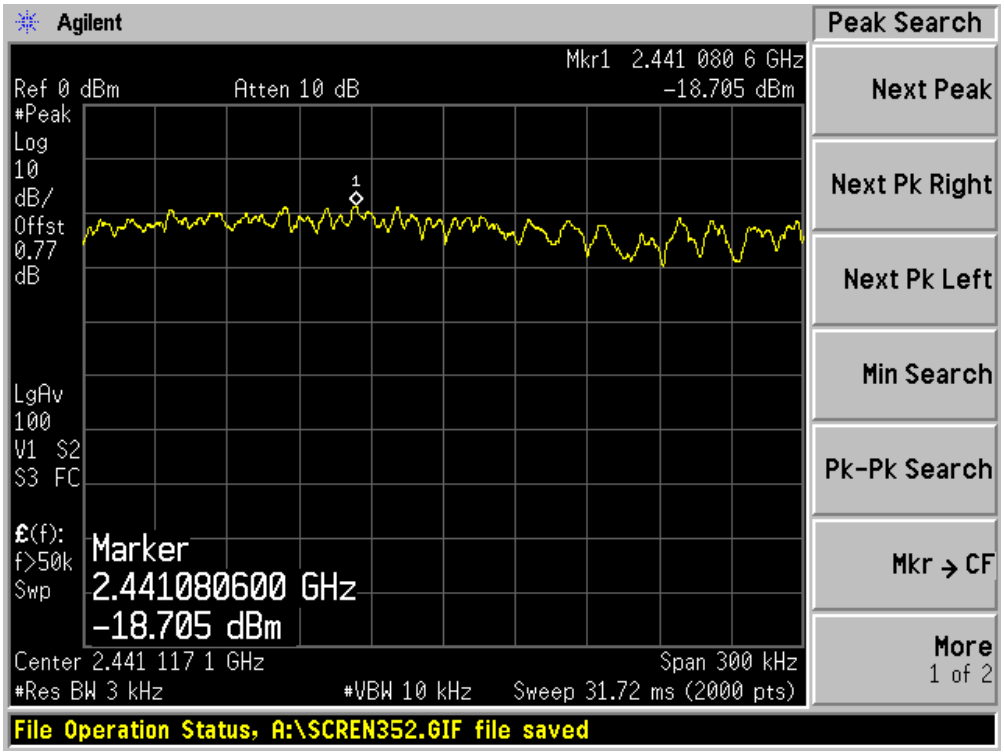
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	-18.659	N/A	-18.659	8	Pass
06	2437	N/A	-18.705	N/A	-18.705	8	Pass
11	2462	N/A	-18.833	N/A	-18.833	8	Pass

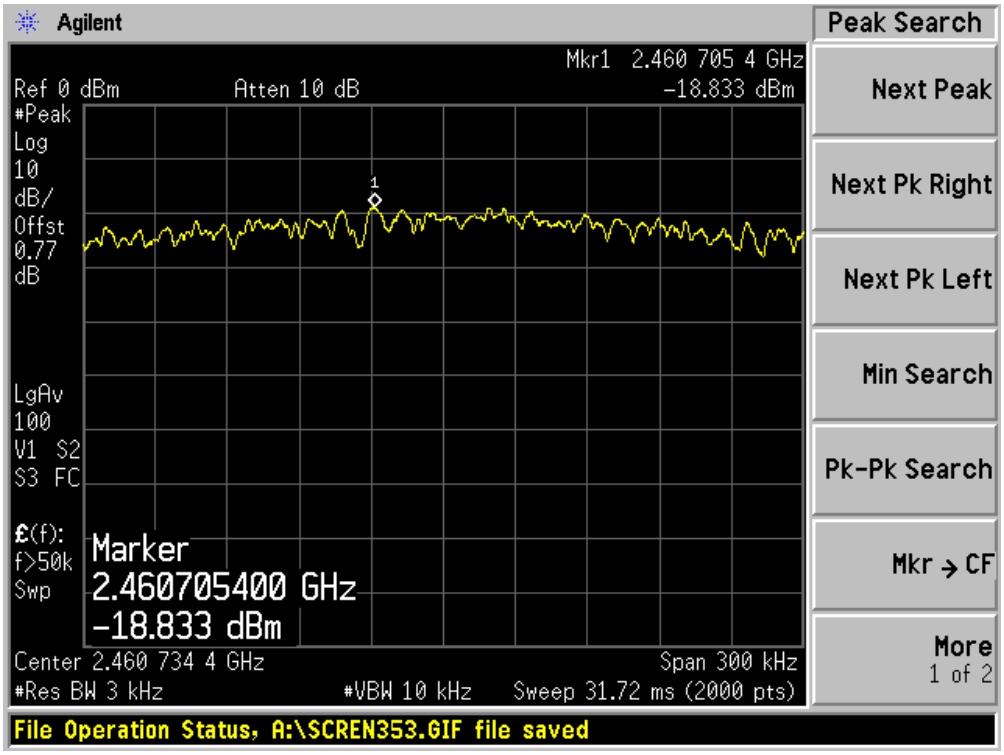
Channel 01 (2412MHz)



Channel 06 (2437MHz)



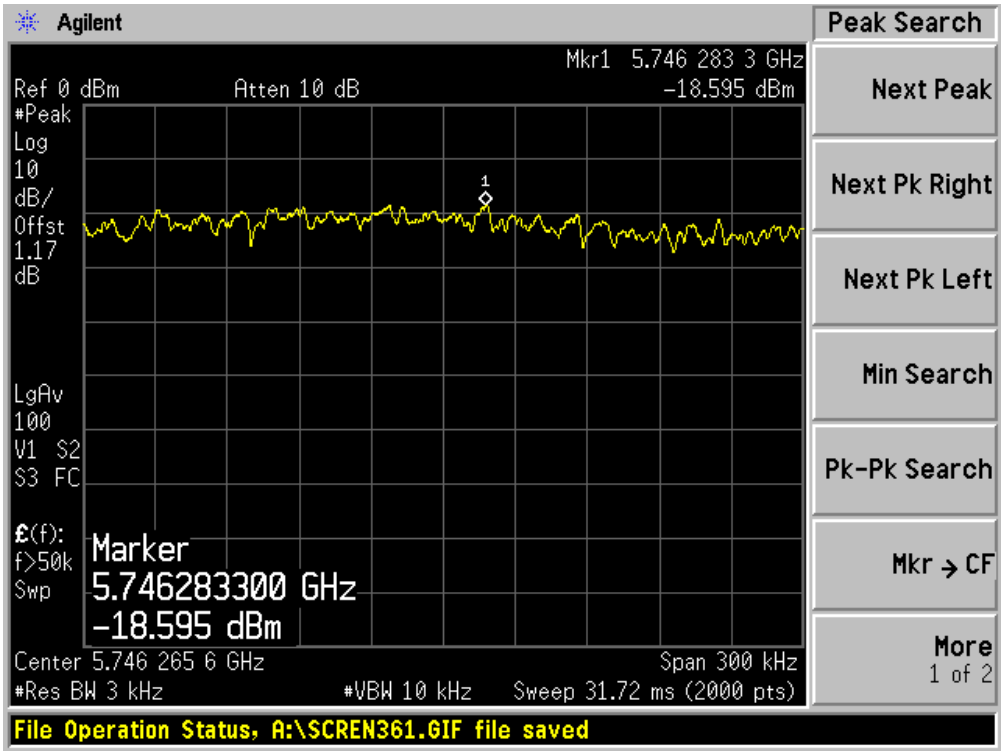
Channel 11 (2462MHz)



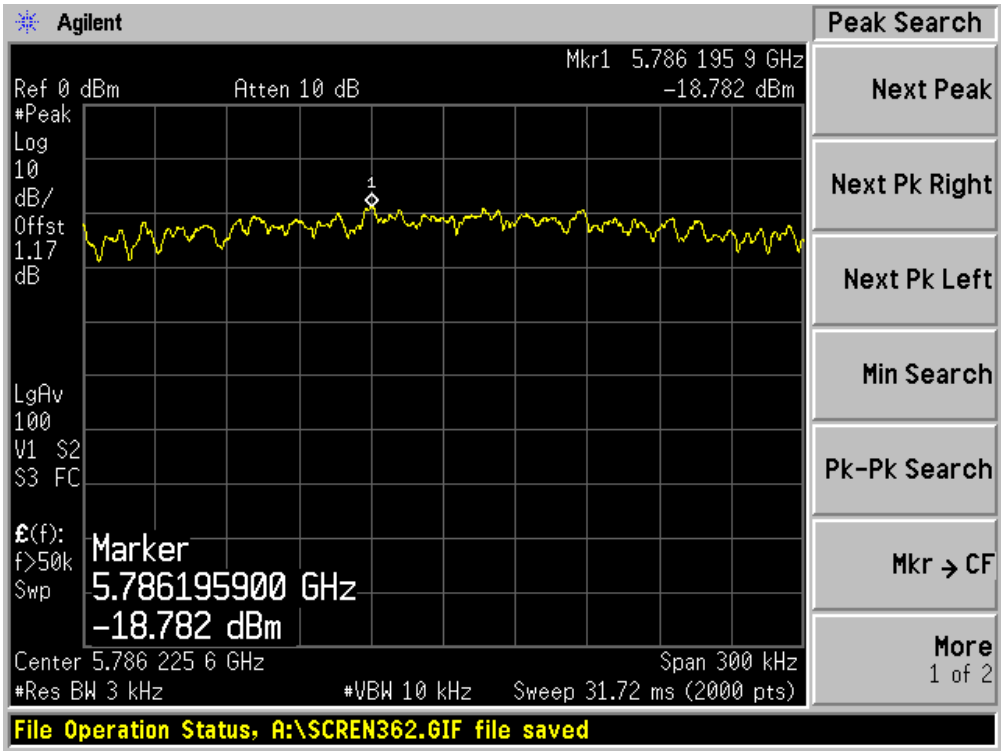
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	N/A	-18.595	N/A	-18.595	8	Pass
157	5785	N/A	-18.782	N/A	-18.782	8	Pass
165	5825	N/A	-17.701	N/A	-17.701	8	Pass

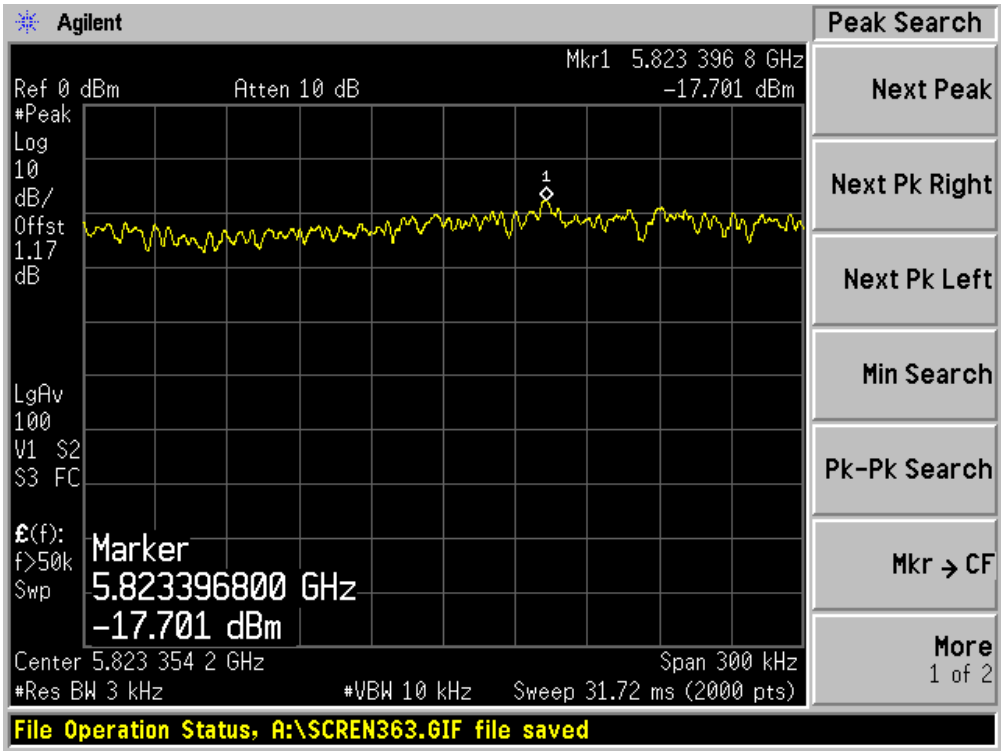
Channel 149 (5745MHz)



Channel 157 (5785MHz)



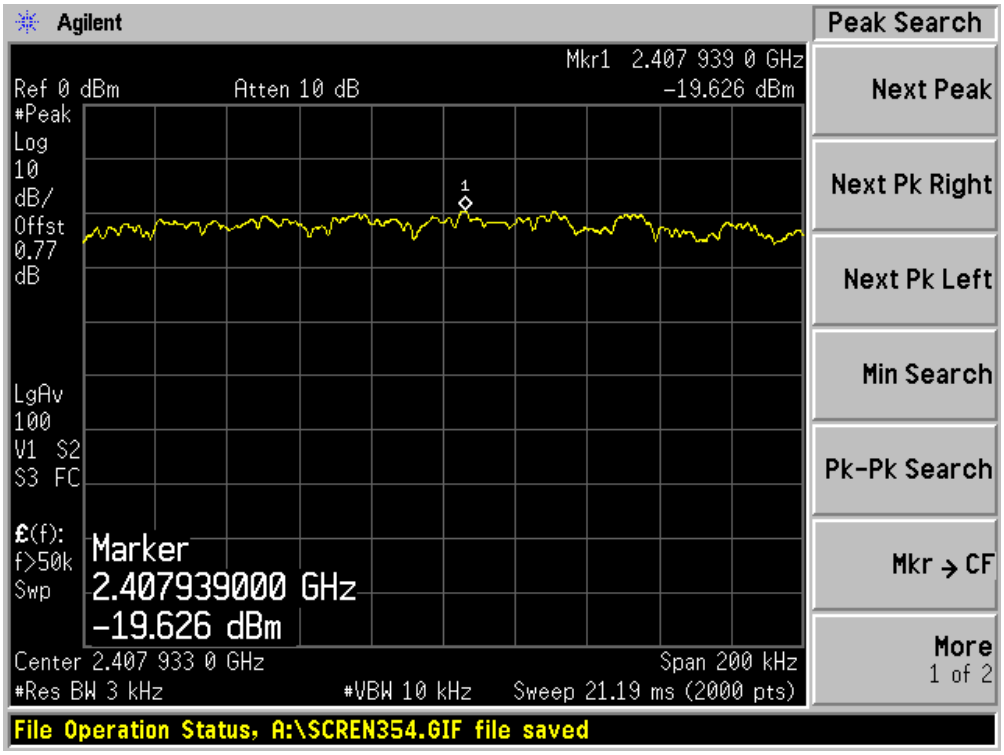
Channel 165 (5825MHz)



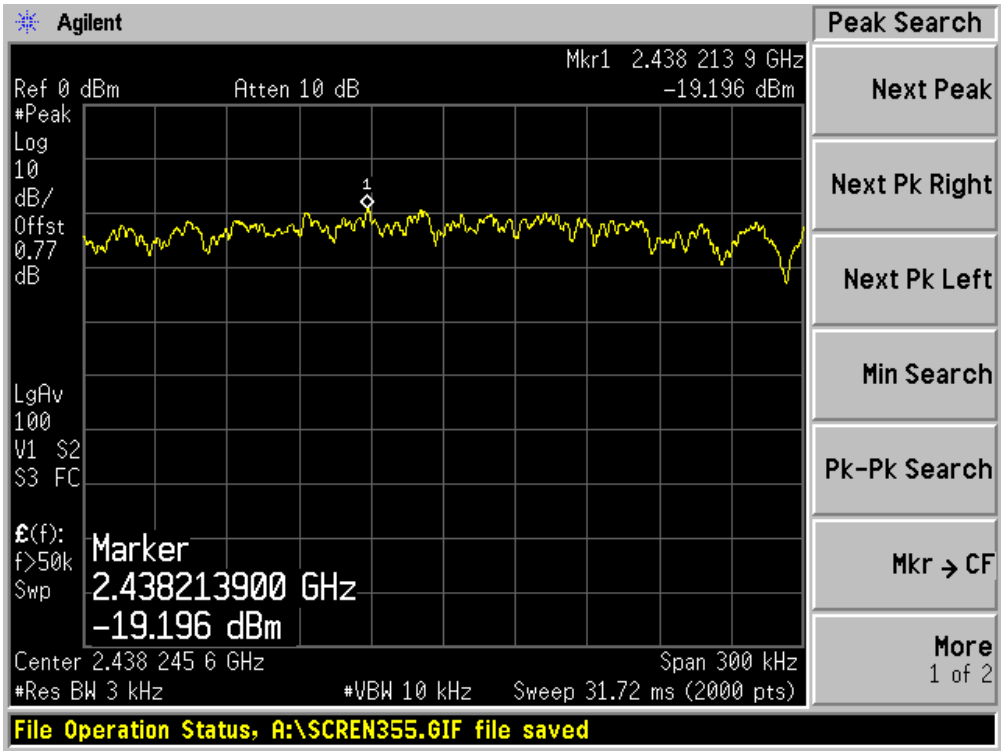
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	-19.626	N/A	-19.626	8	Pass
06	2437	N/A	-19.196	N/A	-19.196	8	Pass
11	2462	N/A	-19.103	N/A	-19.103	8	Pass
149	5745	N/A	-20.014	N/A	-20.014	8	Pass
157	5785	N/A	-19.264	N/A	-19.264	8	Pass
165	5825	N/A	-18.879	N/A	-18.879	8	Pass

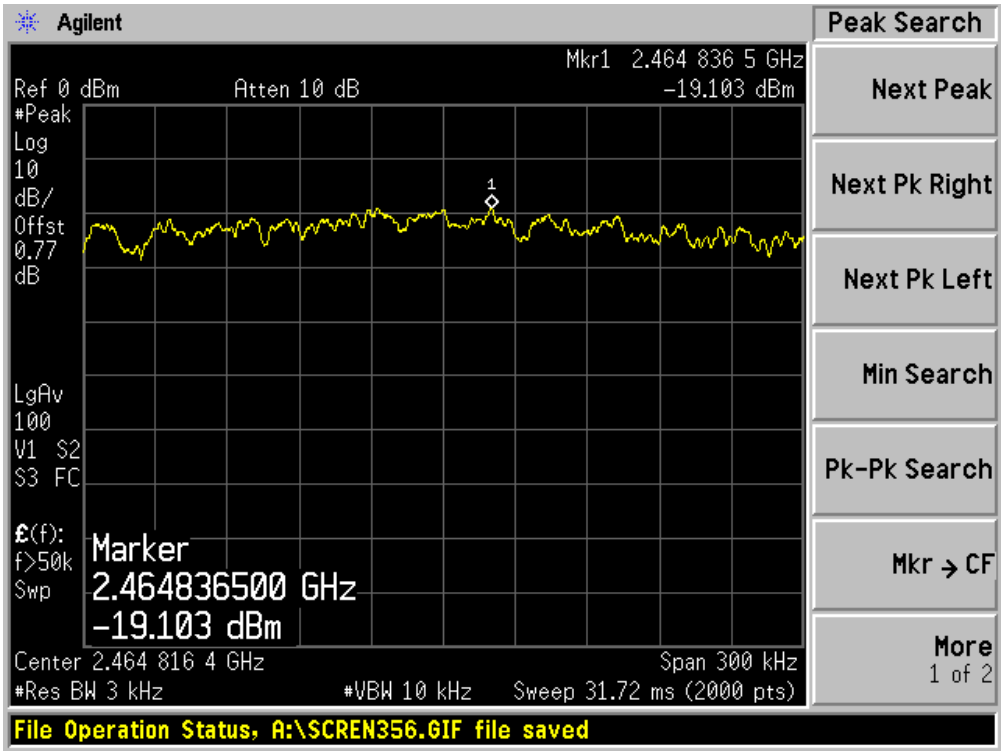
Channel 01 (2412MHz)



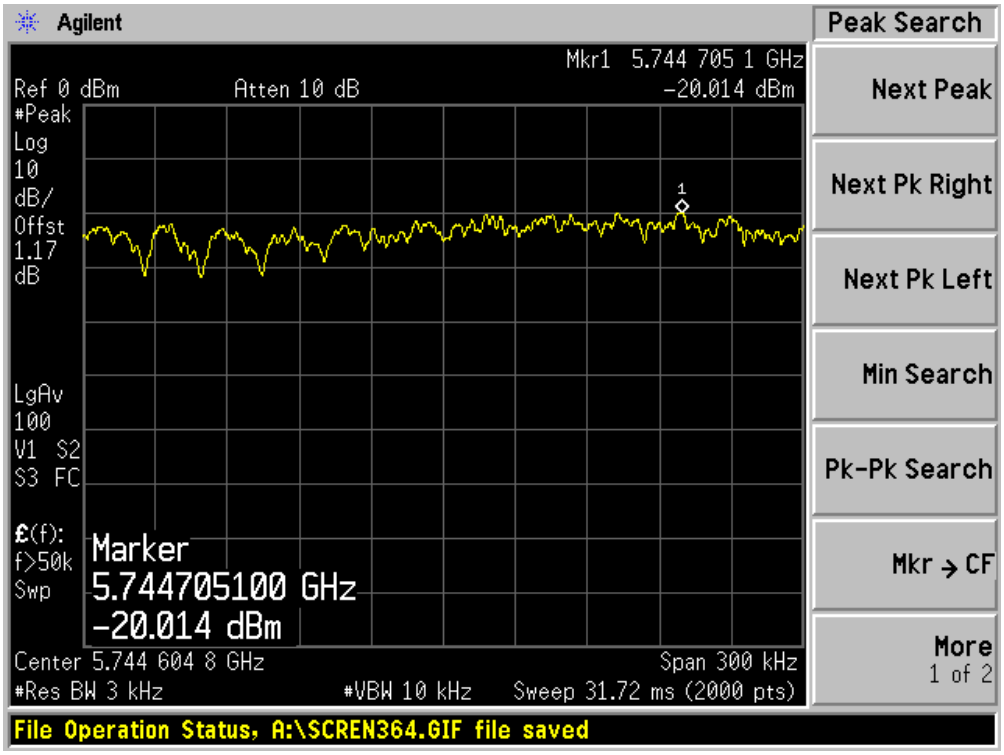
Channel 06 (2437MHz)



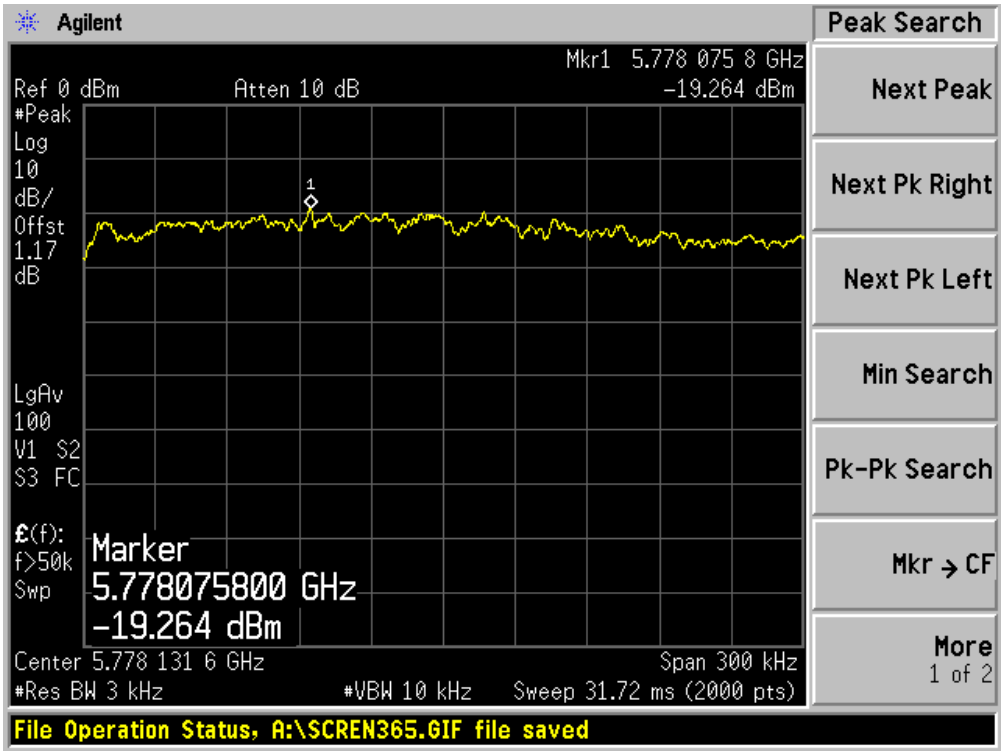
Channel 11 (2462MHz)



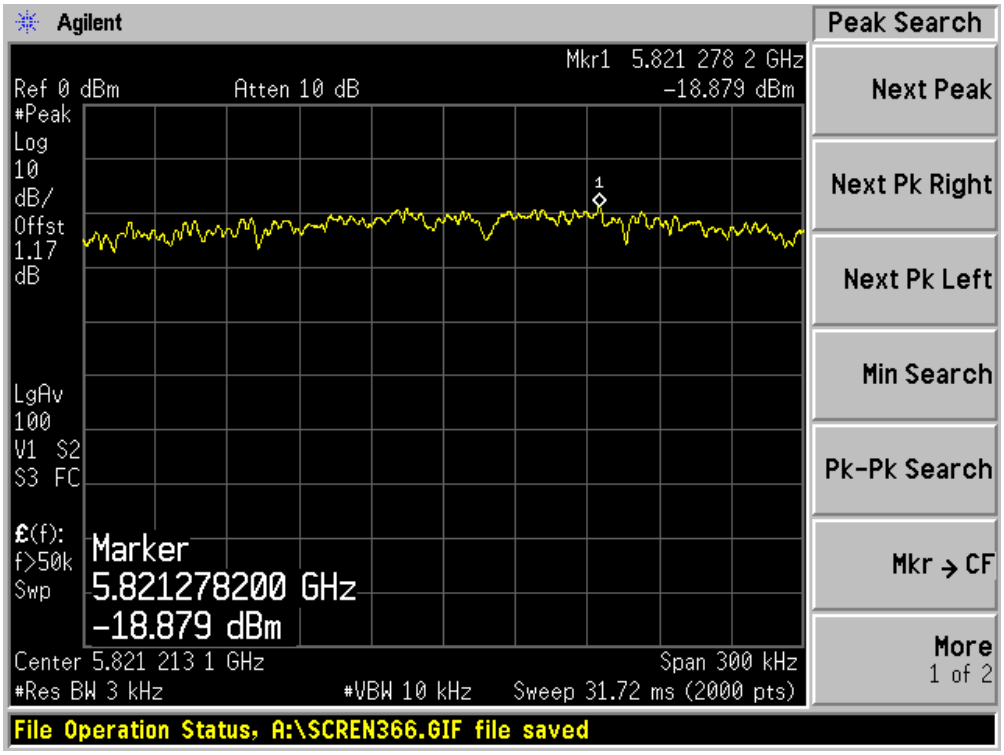
Channel 149 (5745MHz)



Channel 157 (5785MHz)



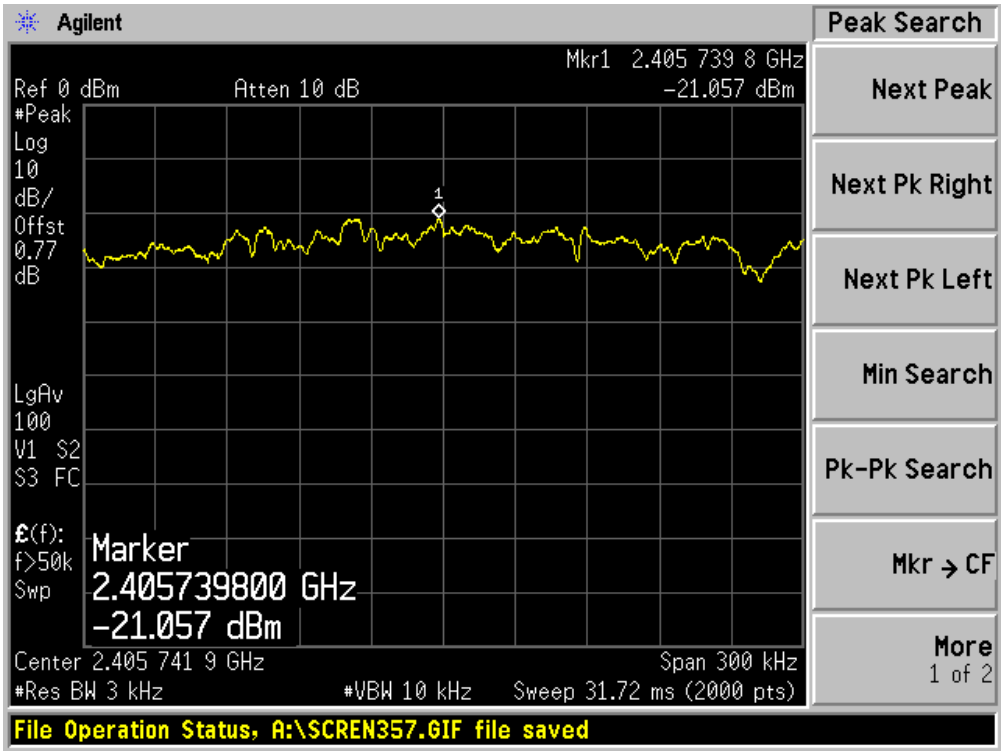
Channel 165 (5825MHz)



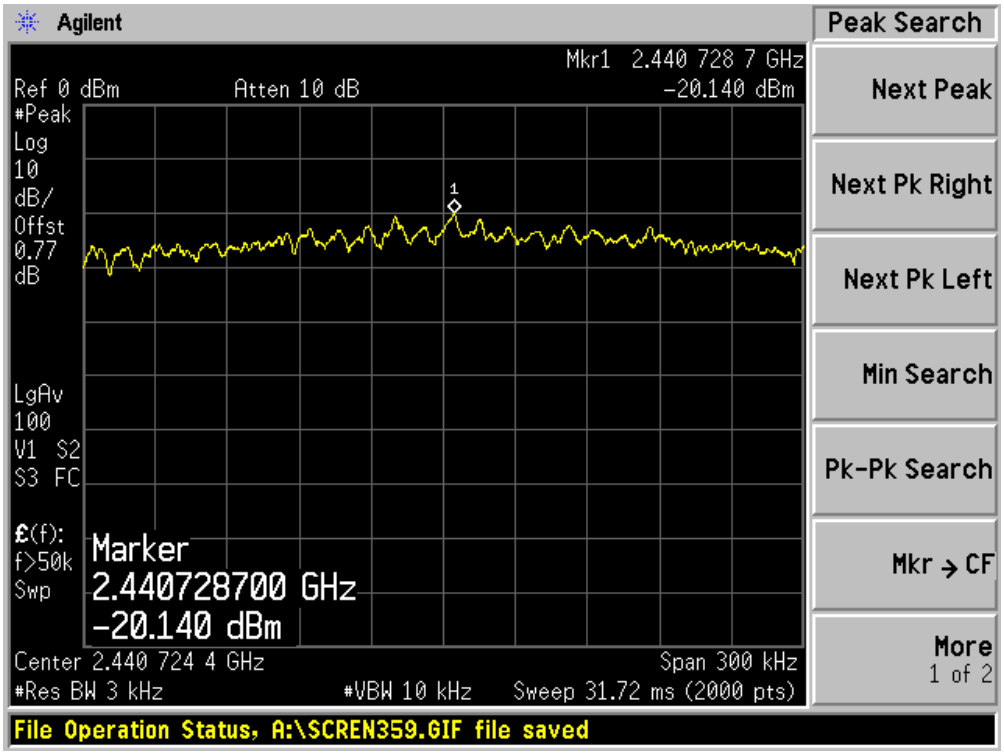
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	N/A	-21.057	N/A	-21.057	8	Pass
06	2437	N/A	-20.140	N/A	-20.140	8	Pass
09	2452	N/A	-20.547	N/A	-20.547	8	Pass
151	5755	N/A	-19.917	N/A	-19.917	8	Pass
159	5795	N/A	-20.326	N/A	-20.326	8	Pass

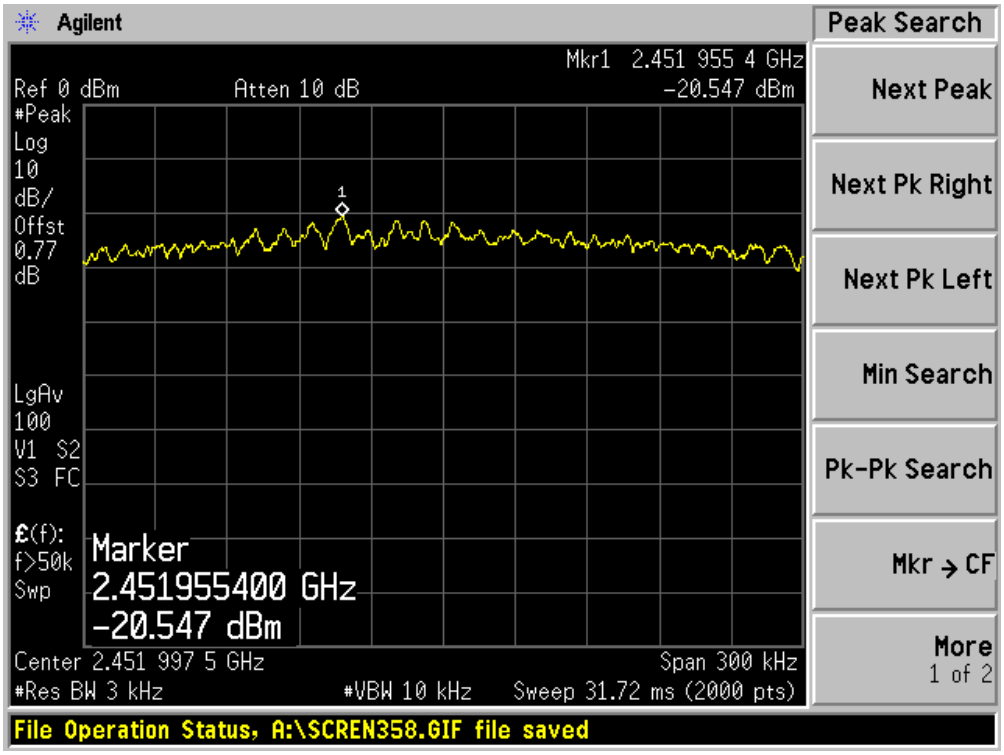
Channel 03 (2422MHz)



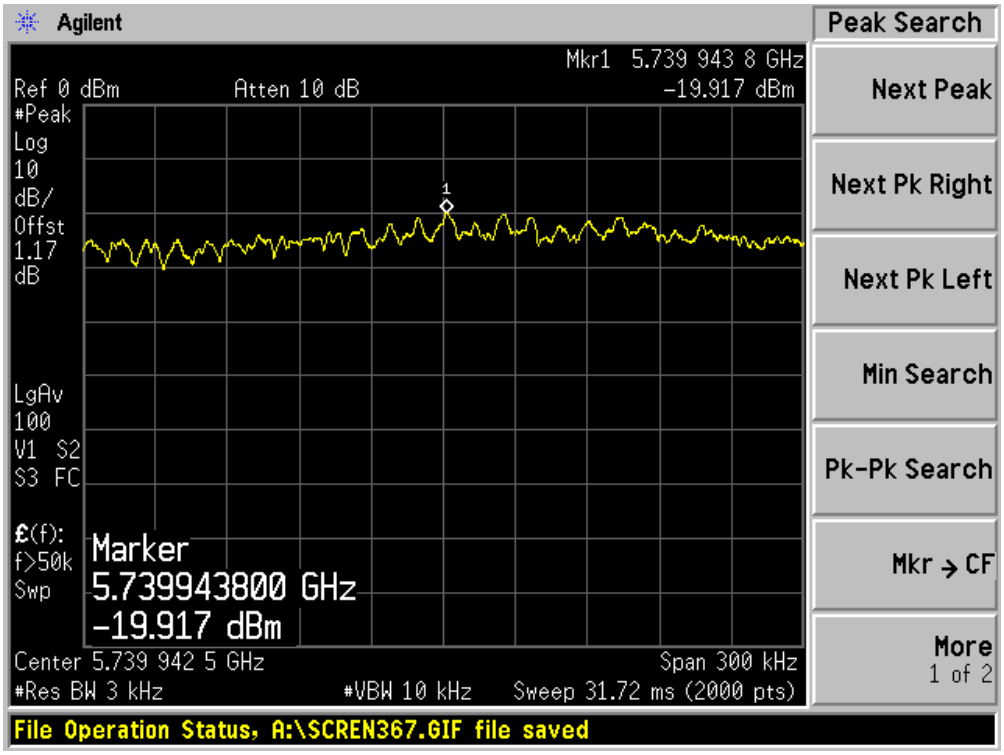
Channel 06 (2437MHz)



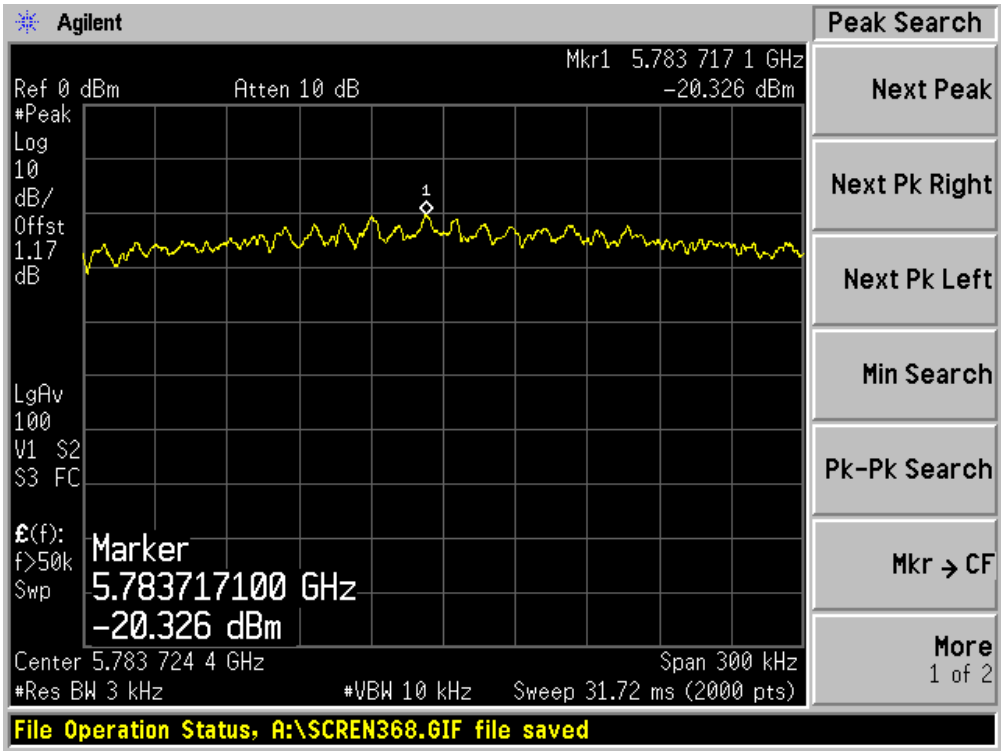
Channel 09 (2452MHz)



Channel 151 (5755MHz)



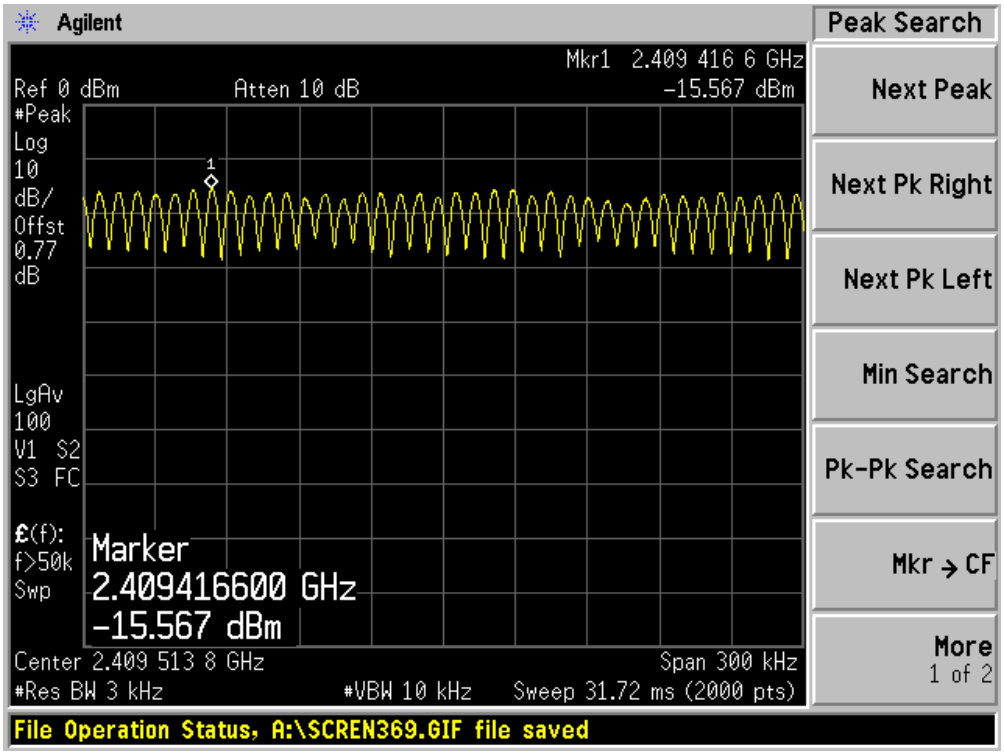
Channel 159 (5795MHz)



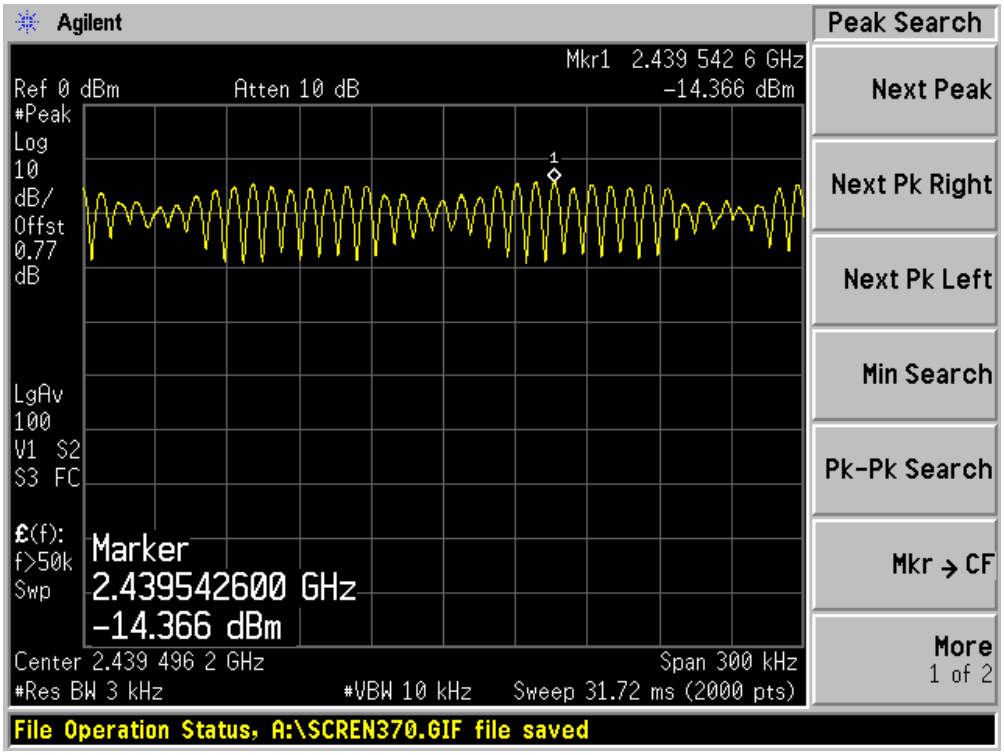
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b (Chain C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	N/A	-15.567	-15.567	8	Pass
06	2437	N/A	N/A	-14.366	-14.366	8	Pass
11	2462	N/A	N/A	-15.124	-15.124	8	Pass

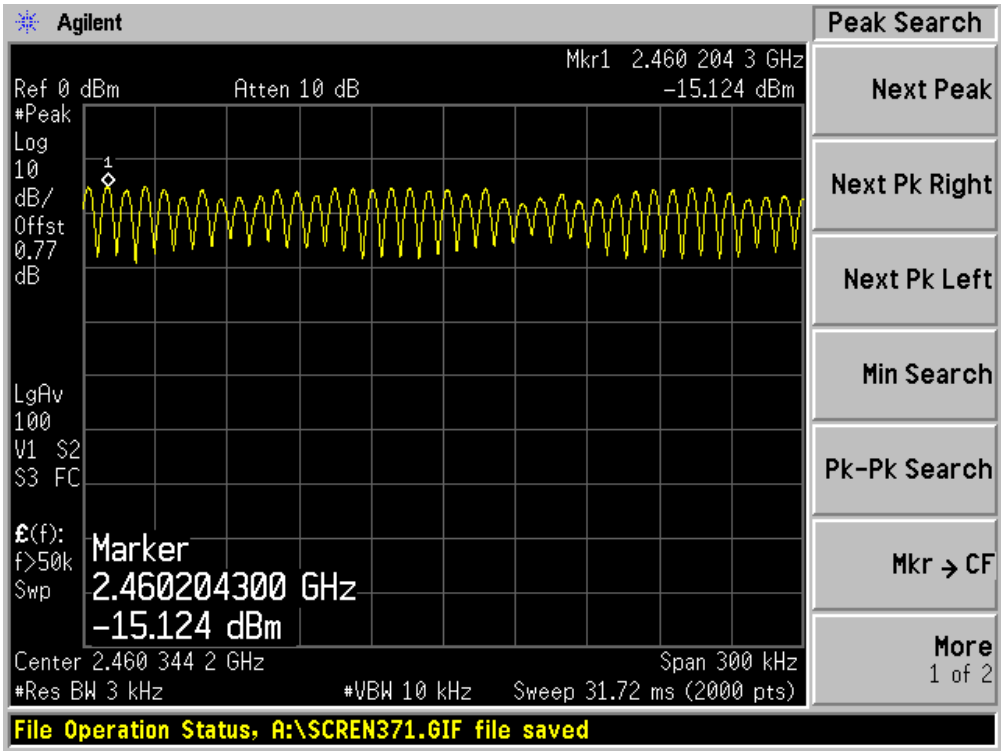
Channel 01 (2412MHz)



Channel 06 (2437MHz)



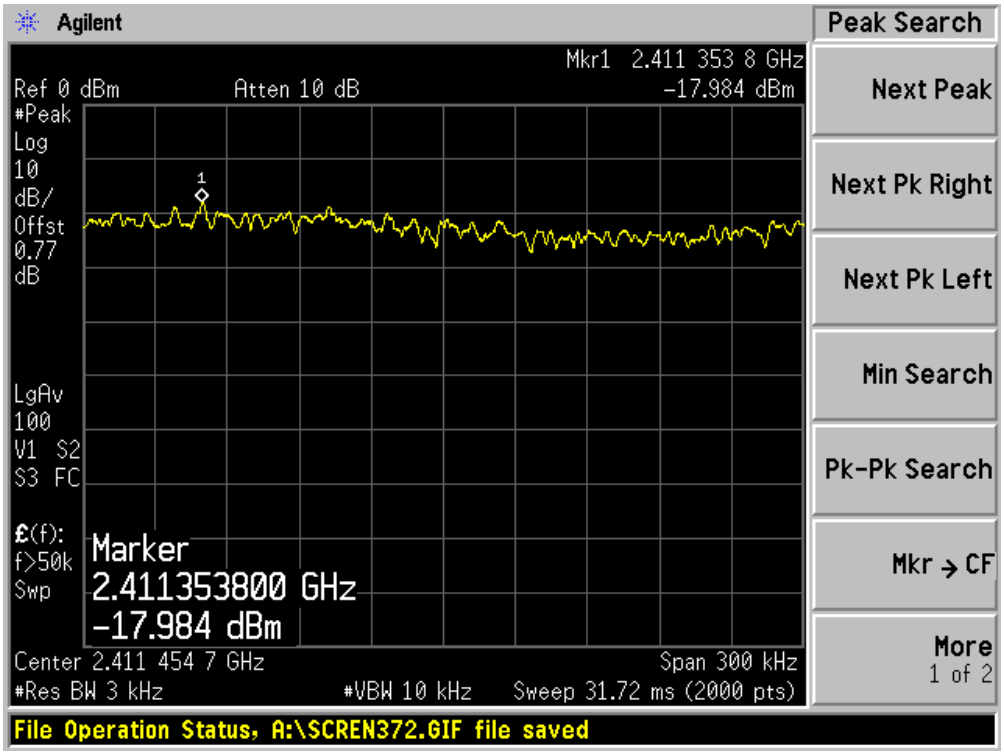
Channel 11 (2462MHz)



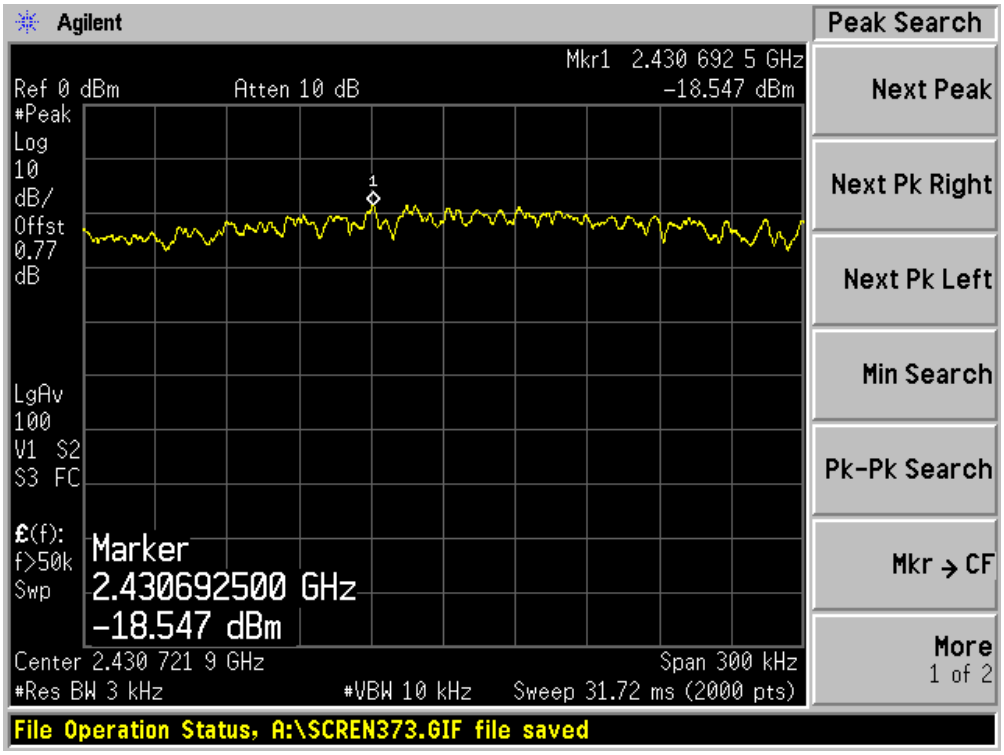
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g (Chain C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	N/A	-17.984	-17.984	8	Pass
06	2437	N/A	N/A	-18.547	-18.547	8	Pass
11	2462	N/A	N/A	-19.028	-19.028	8	Pass

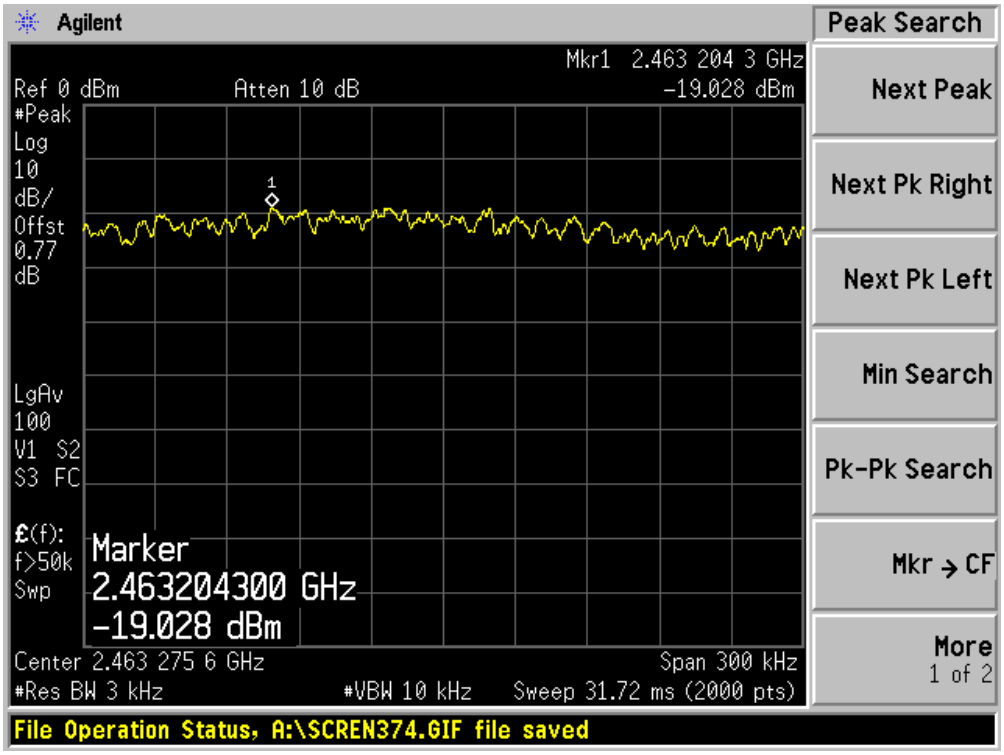
Channel 01 (2412MHz)



Channel 06 (2437MHz)



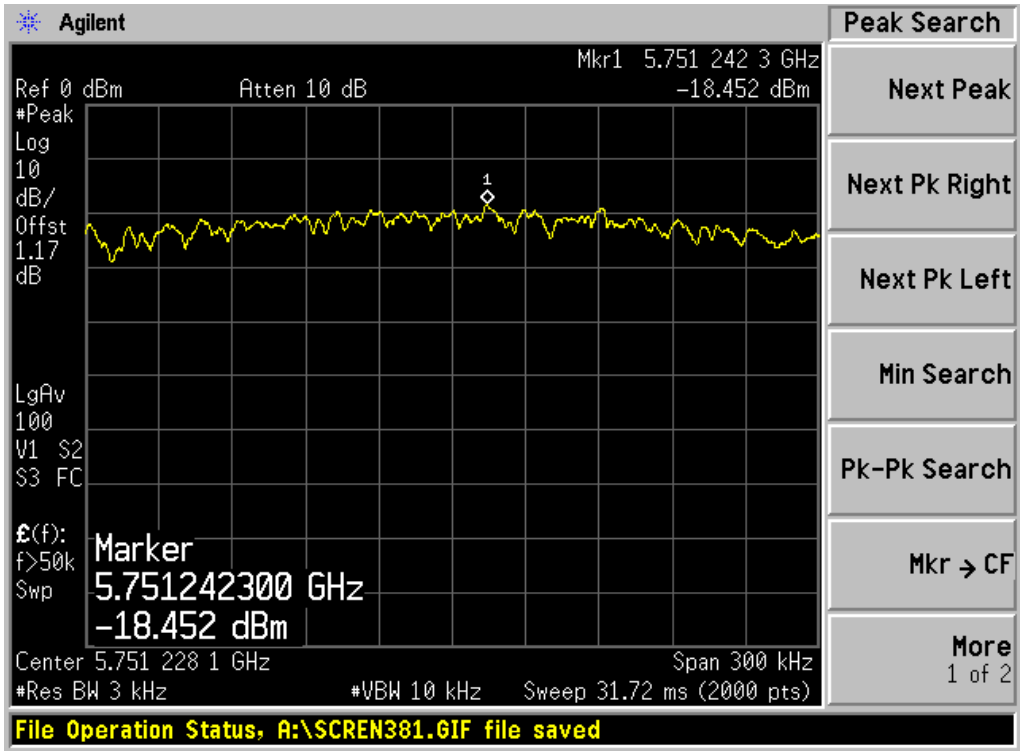
Channel 11 (2462MHz)



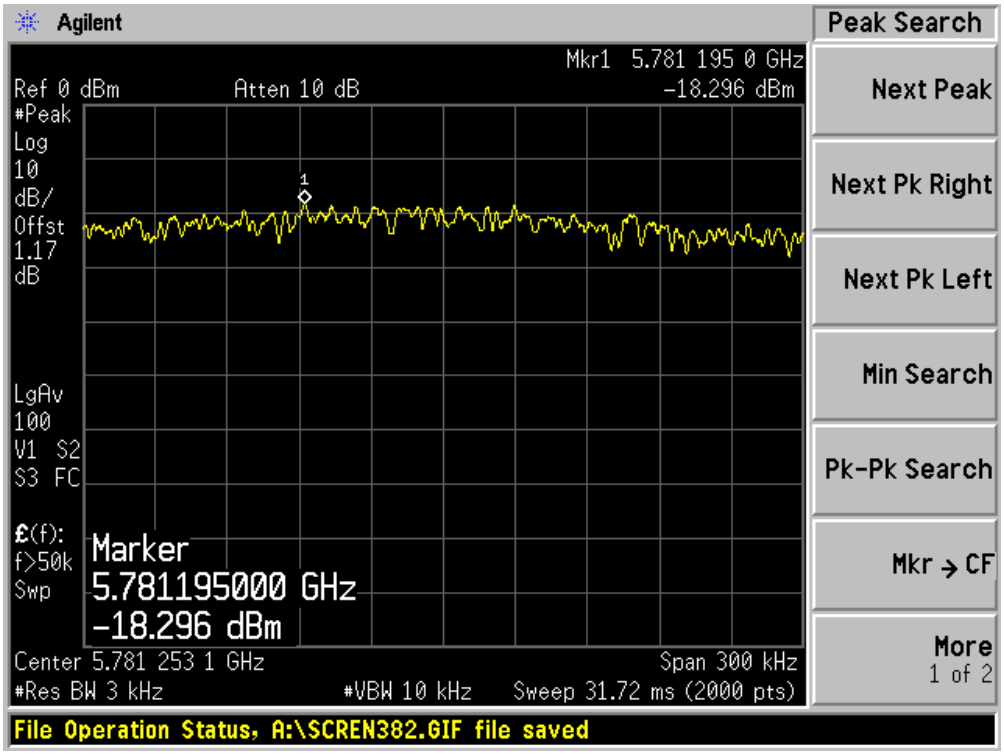
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 3: Transmit by 802.11a (Chain C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
149	5745	N/A	N/A	-18.452	-18.452	8	Pass
157	5785	N/A	N/A	-18.296	-18.296	8	Pass
165	5825	N/A	N/A	-19.242	-19.242	8	Pass

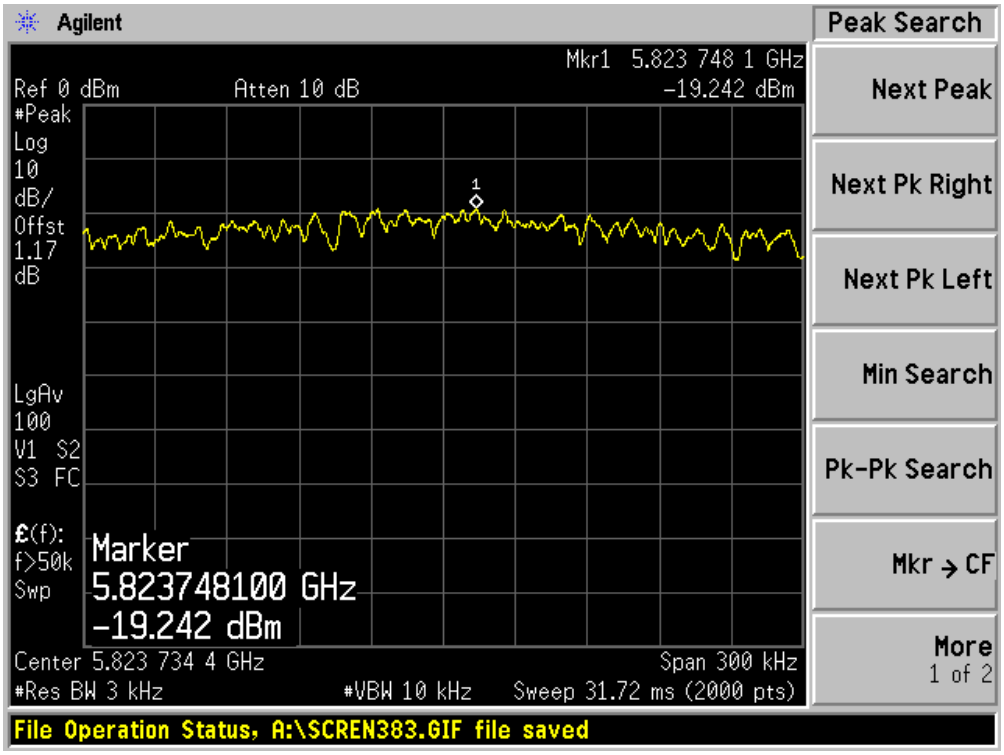
Channel 149 (5745MHz)



Channel 157 (5785MHz)



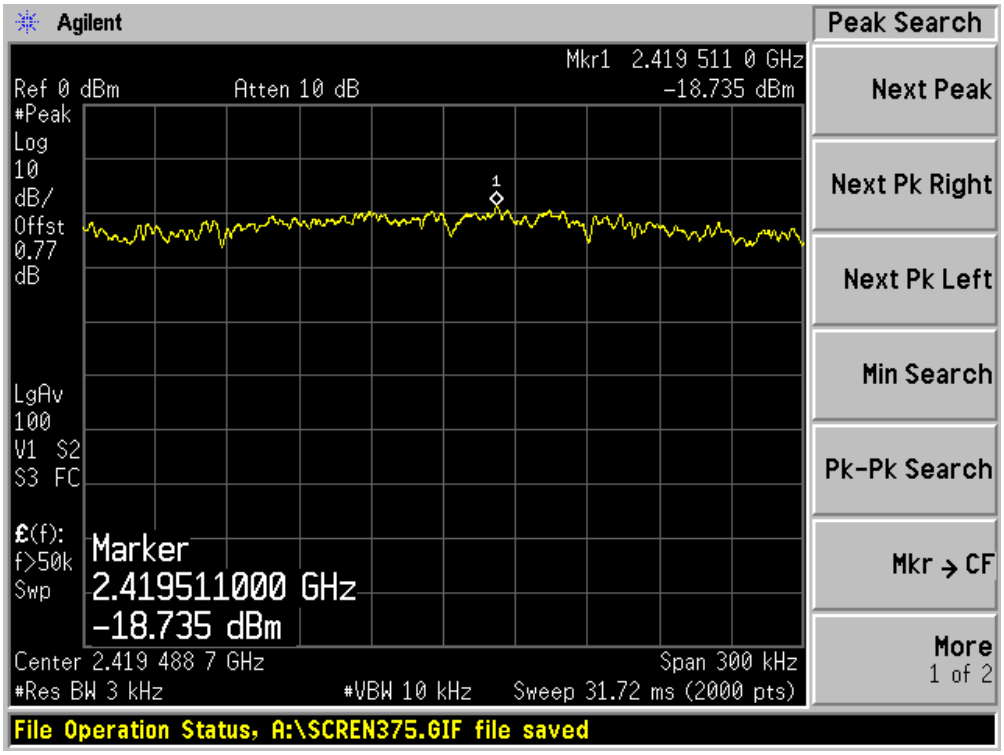
Channel 165 (5825MHz)



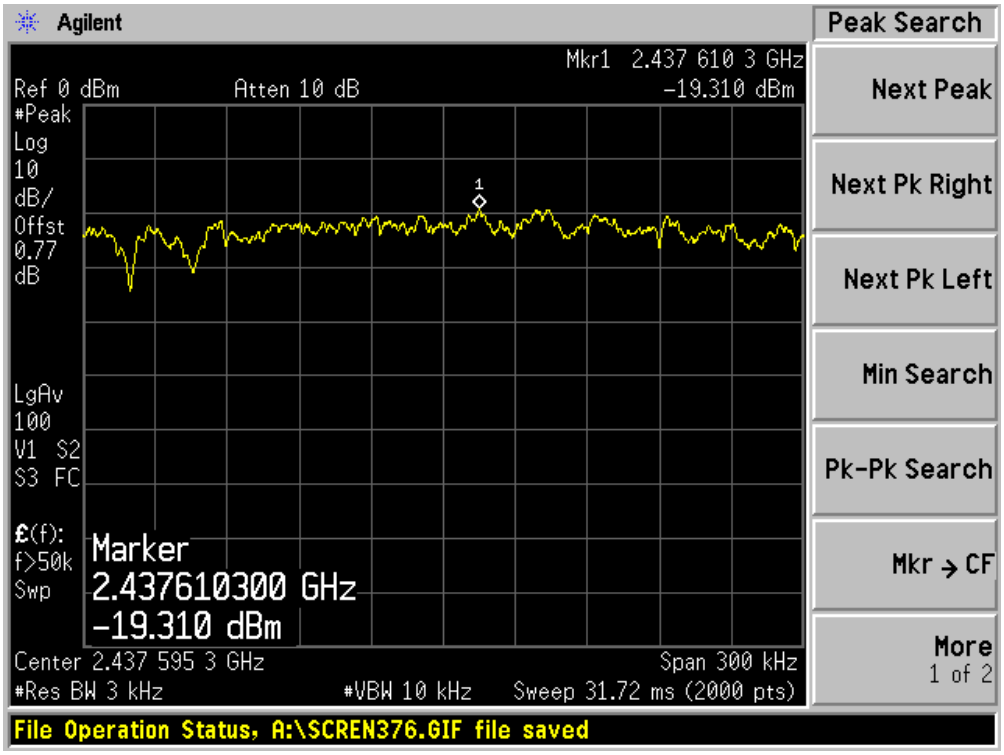
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	N/A	-18.735	-18.735	8	Pass
06	2437	N/A	N/A	-19.310	-19.310	8	Pass
11	2462	N/A	N/A	-18.755	-18.755	8	Pass
149	5745	N/A	N/A	-18.299	-18.299	8	Pass
157	5785	N/A	N/A	-18.817	-18.817	8	Pass
165	5825	N/A	N/A	-19.383	-19.383	8	Pass

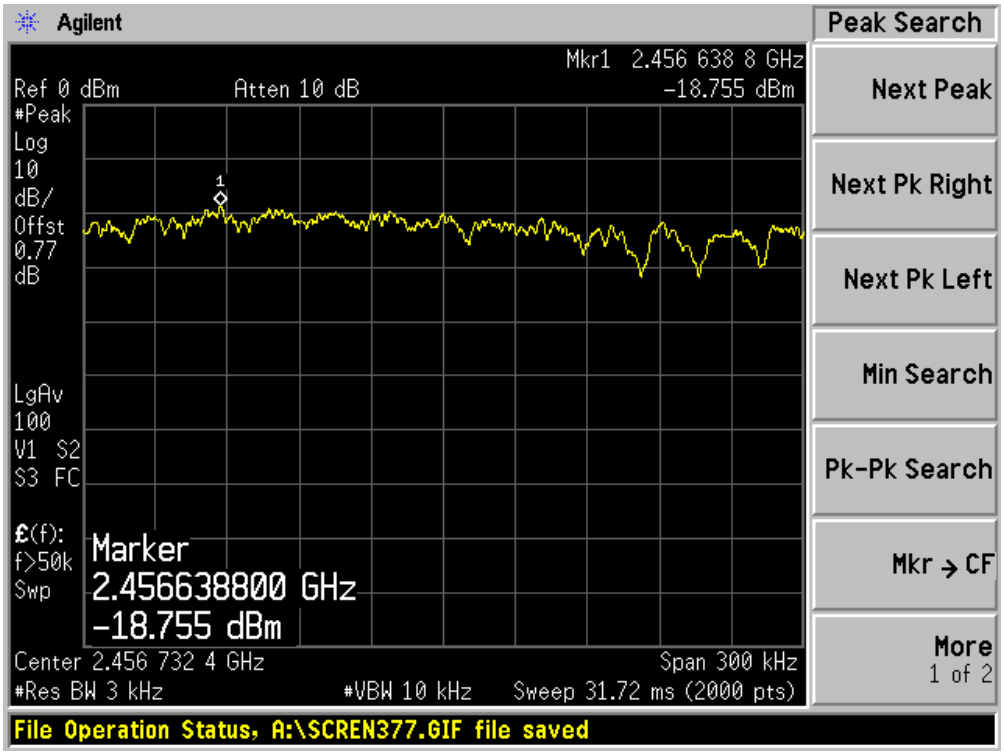
Channel 01 (2412MHz)



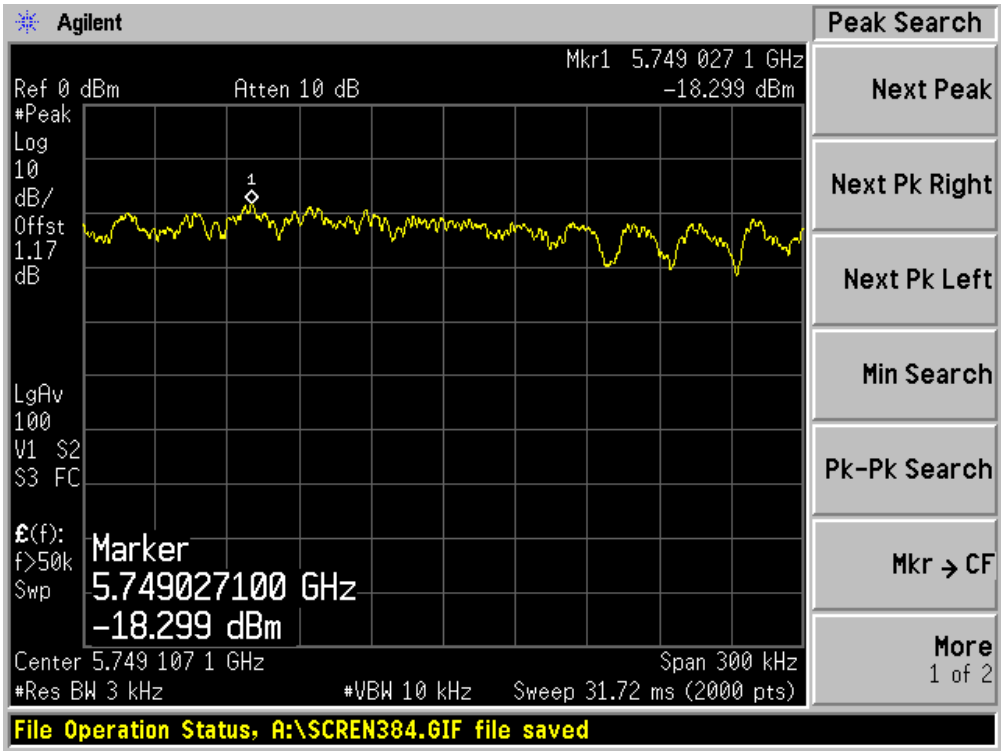
Channel 06 (2437MHz)



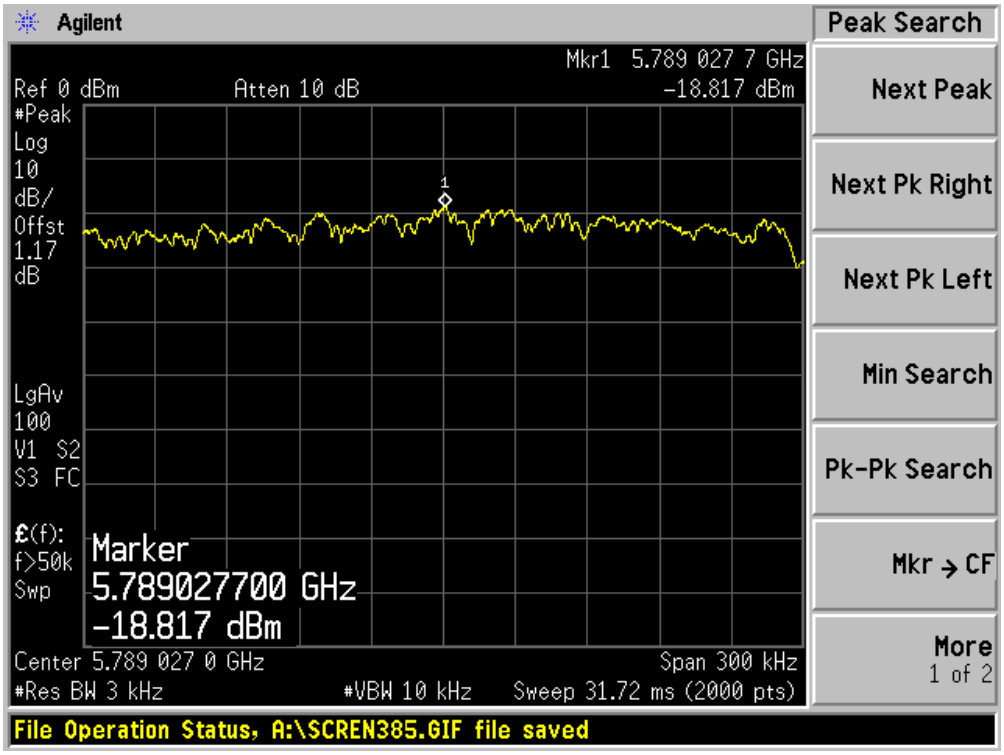
Channel 11 (2462MHz)



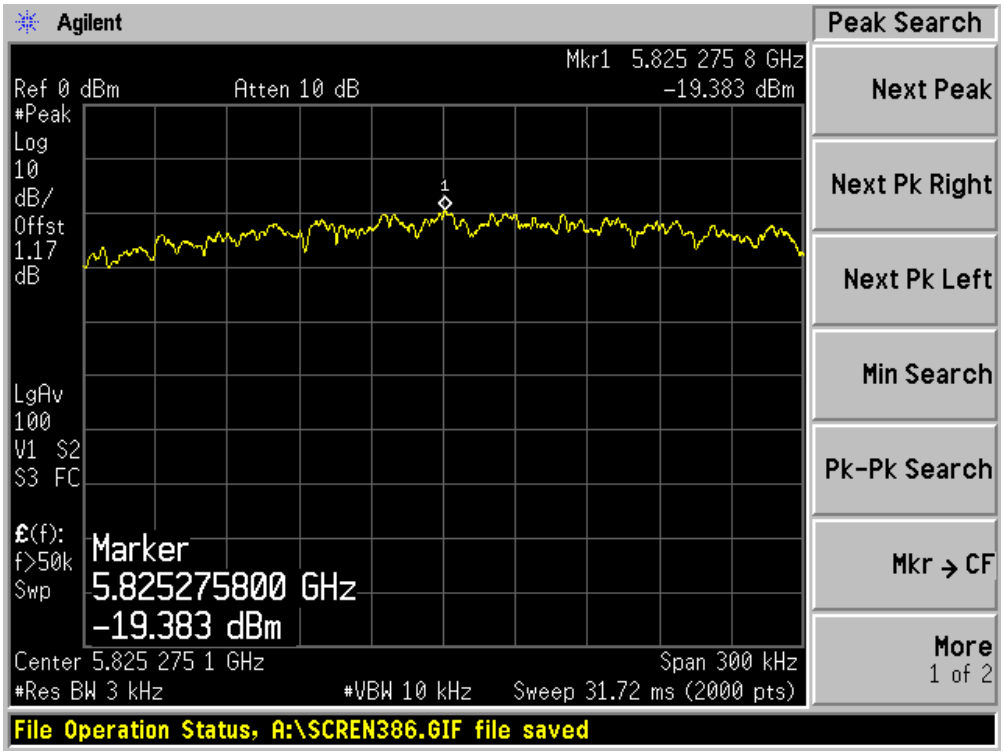
Channel 149 (5745MHz)



Channel 157 (5785MHz)



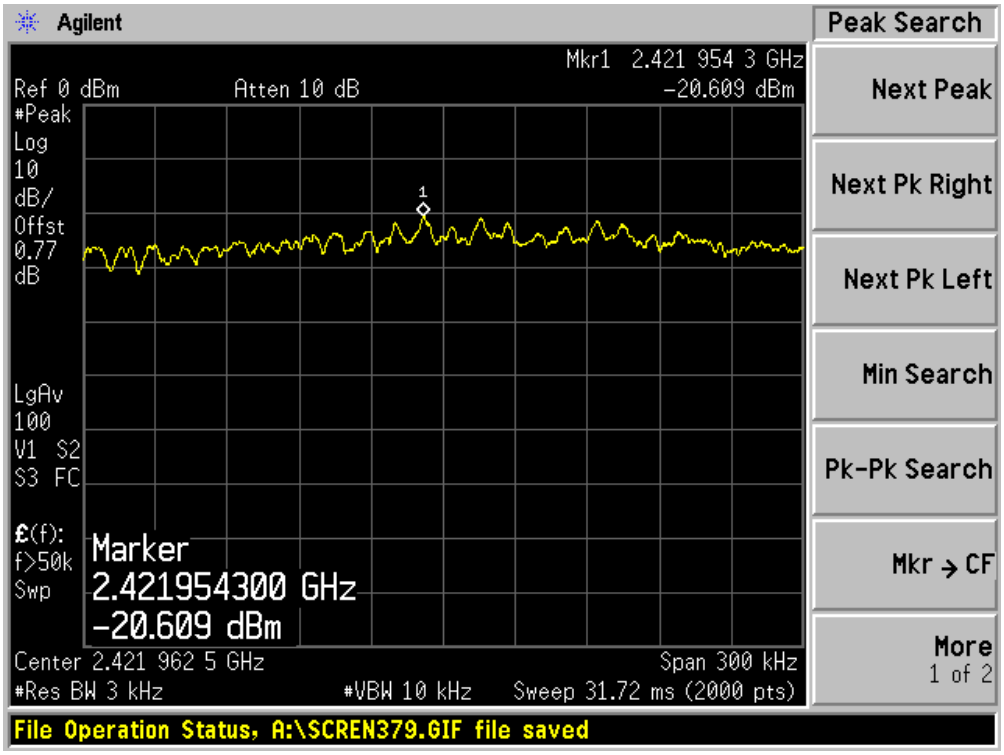
Channel 165 (5825MHz)



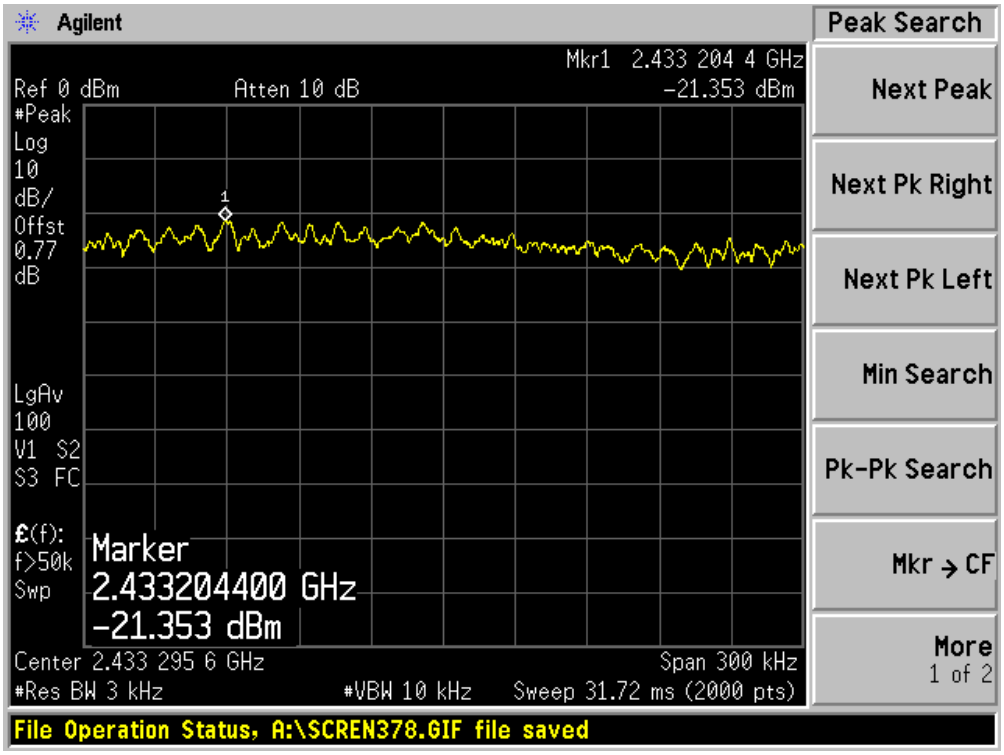
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	N/A	N/A	-20.609	-20.609	8	Pass
06	2437	N/A	N/A	-21.353	-21.353	8	Pass
09	2452	N/A	N/A	-20.859	-20.859	8	Pass
151	5755	N/A	N/A	-20.412	-20.412	8	Pass
159	5795	N/A	N/A	-21.080	-21.080	8	Pass

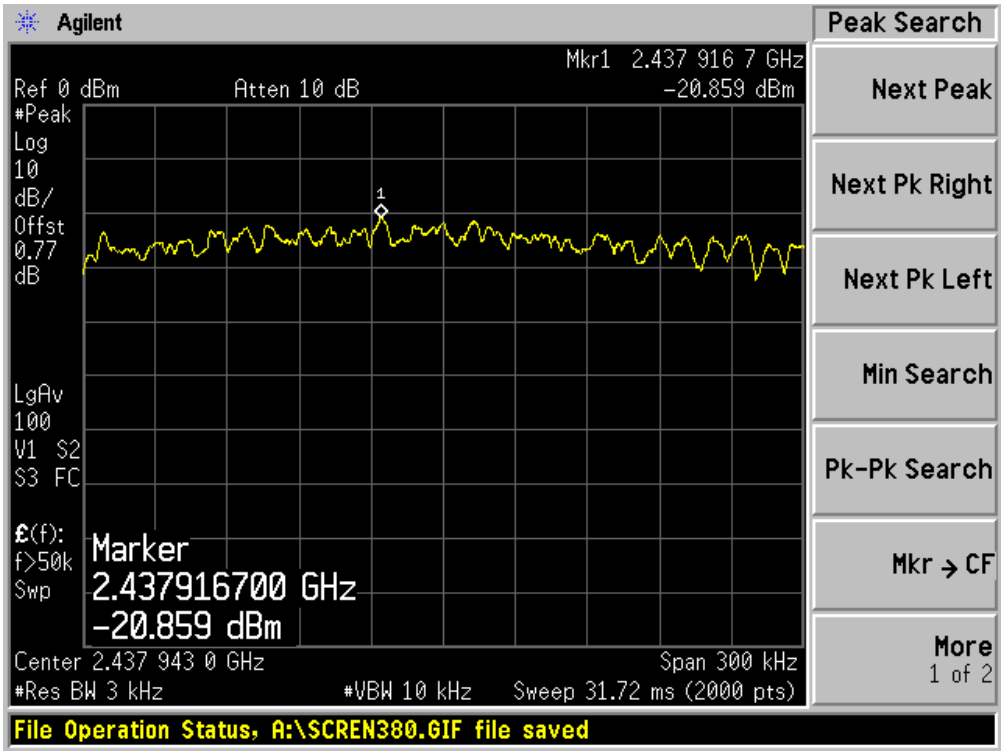
Channel 03 (2422MHz)



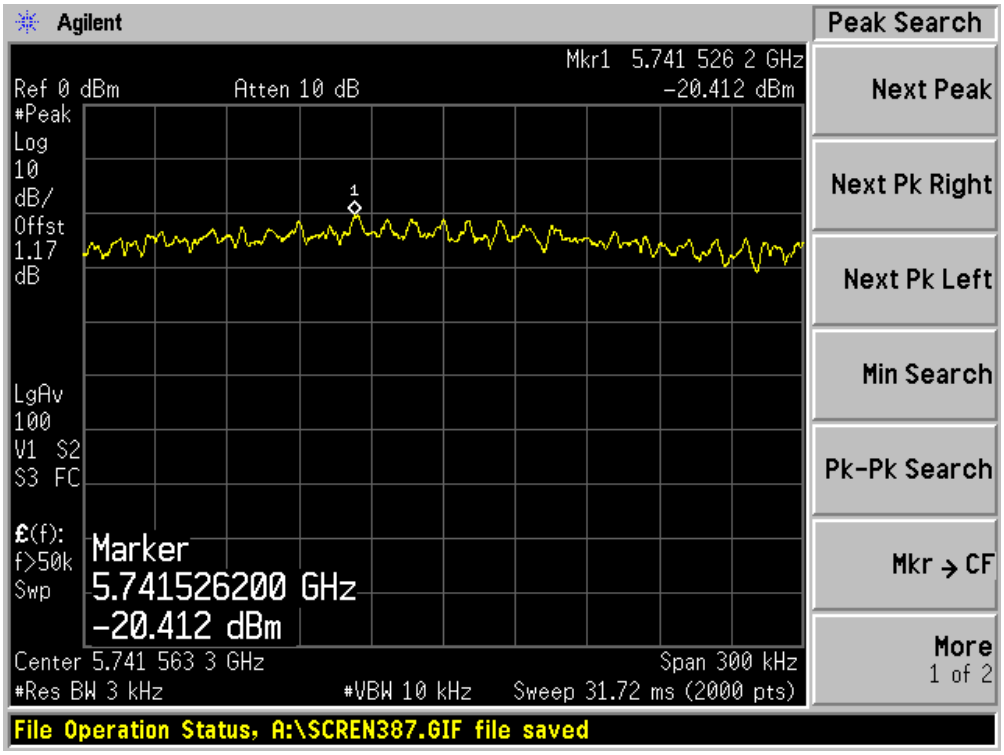
Channel 06 (2437MHz)



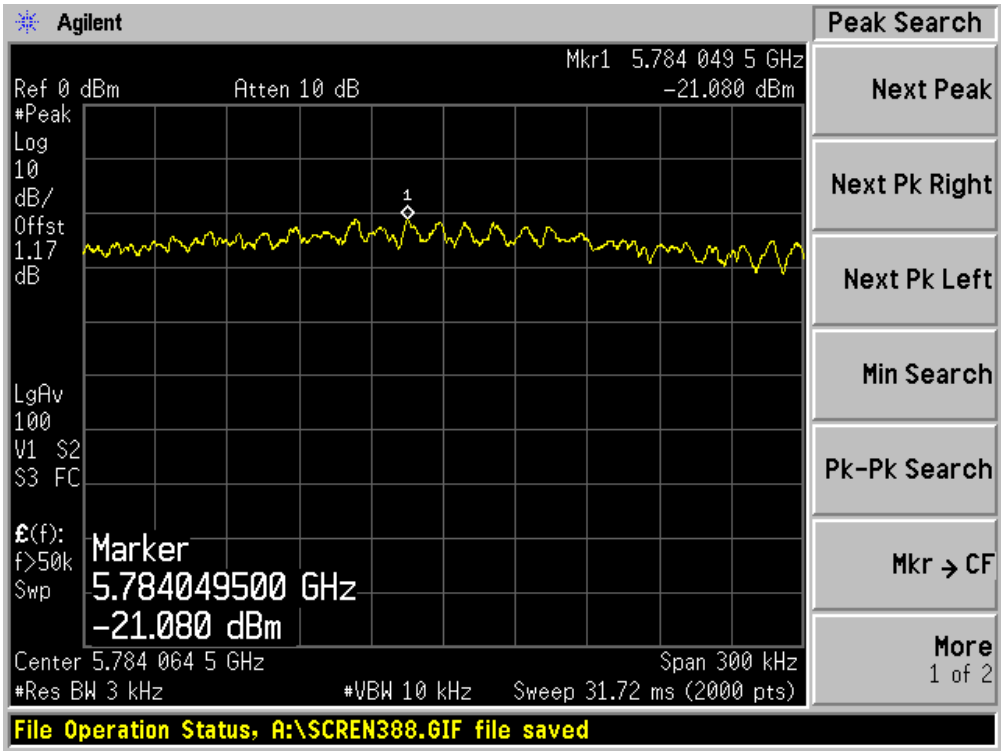
Channel 09 (2452MHz)



Channel 151 (5755MHz)



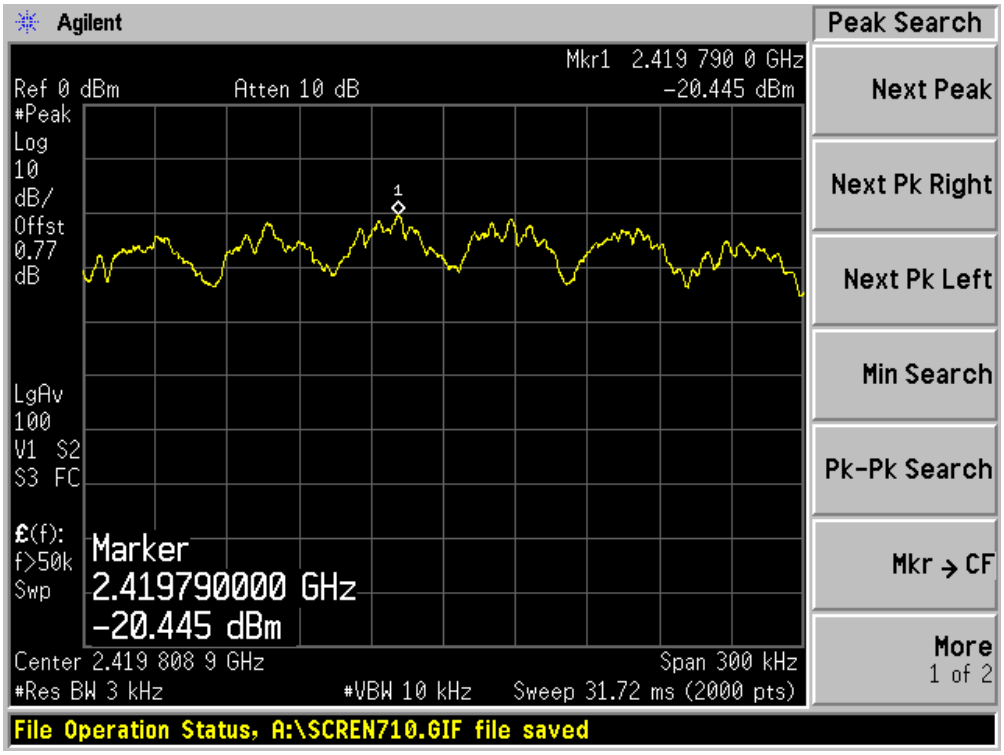
Channel 159 (5795MHz)



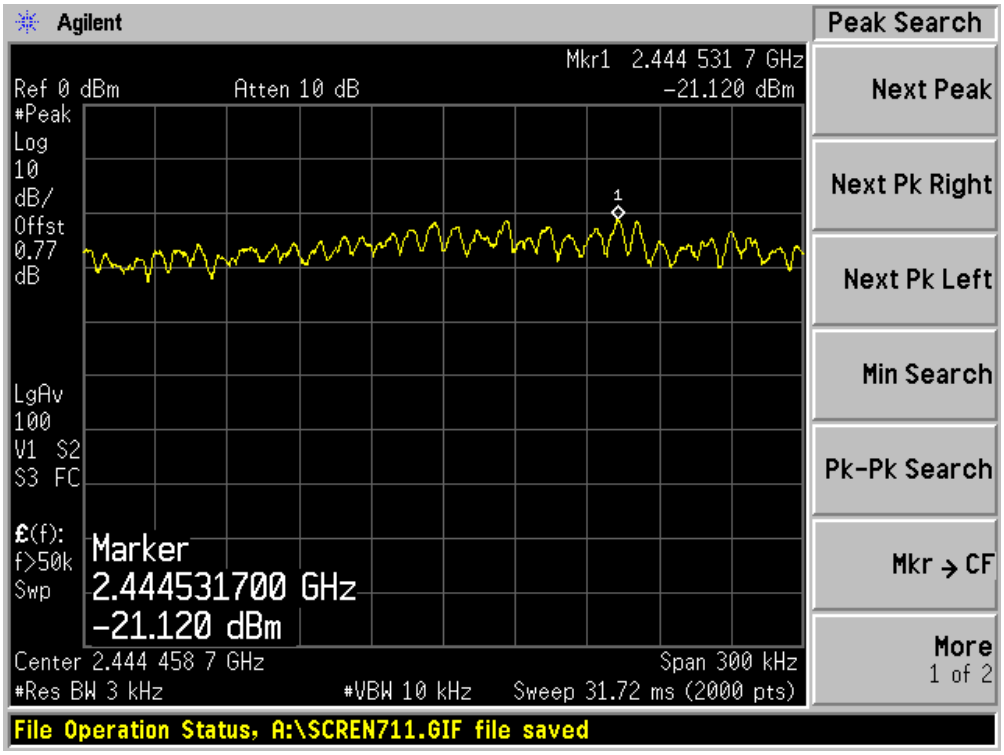
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-20.445	-20.783	N/A	-17.60	8	Pass
06	2437	-21.120	-20.387	N/A	-17.73	8	Pass
11	2462	-21.548	-20.172	N/A	-17.80	8	Pass
149	5745	-18.053	-17.401	N/A	-14.70	8	Pass
157	5785	-17.953	-18.350	N/A	-15.14	8	Pass
165	5825	-19.385	-18.781	N/A	-16.06	8	Pass

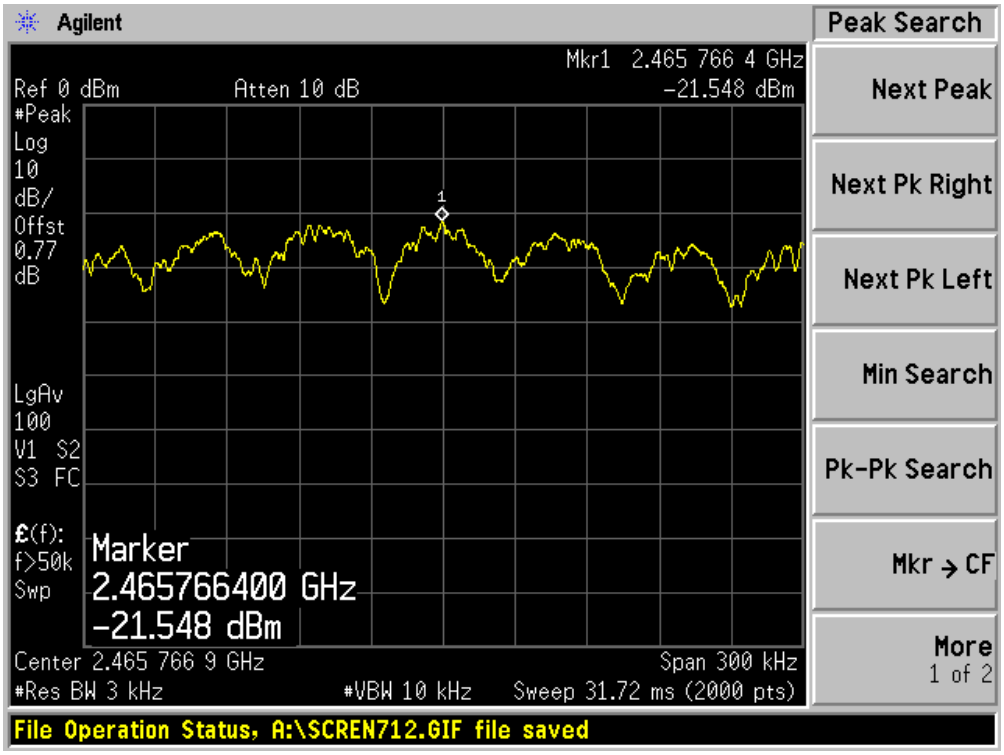
Channel 01 (2412MHz) – Chain A



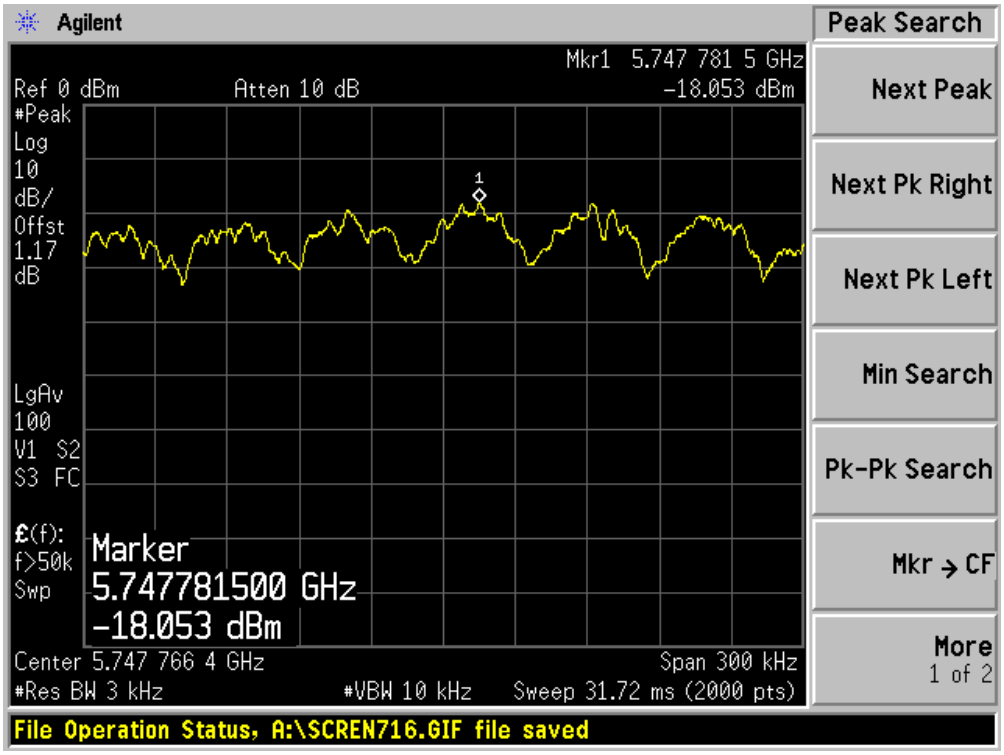
Channel 06 (2437MHz) – Chain A



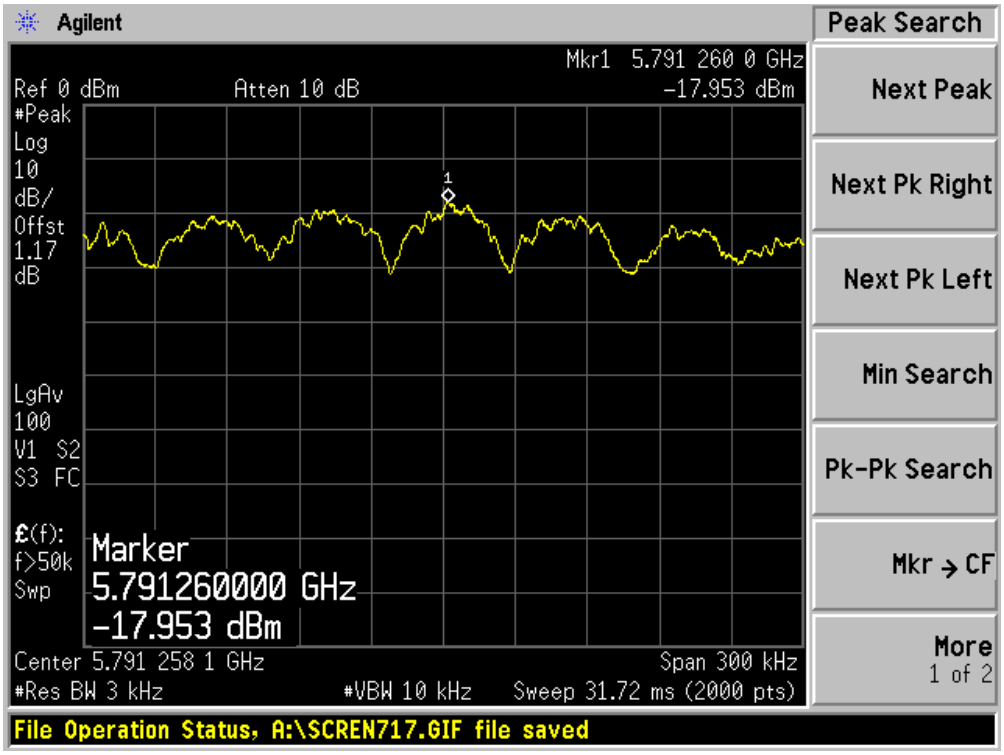
Channel 11 (2462MHz) – Chain A



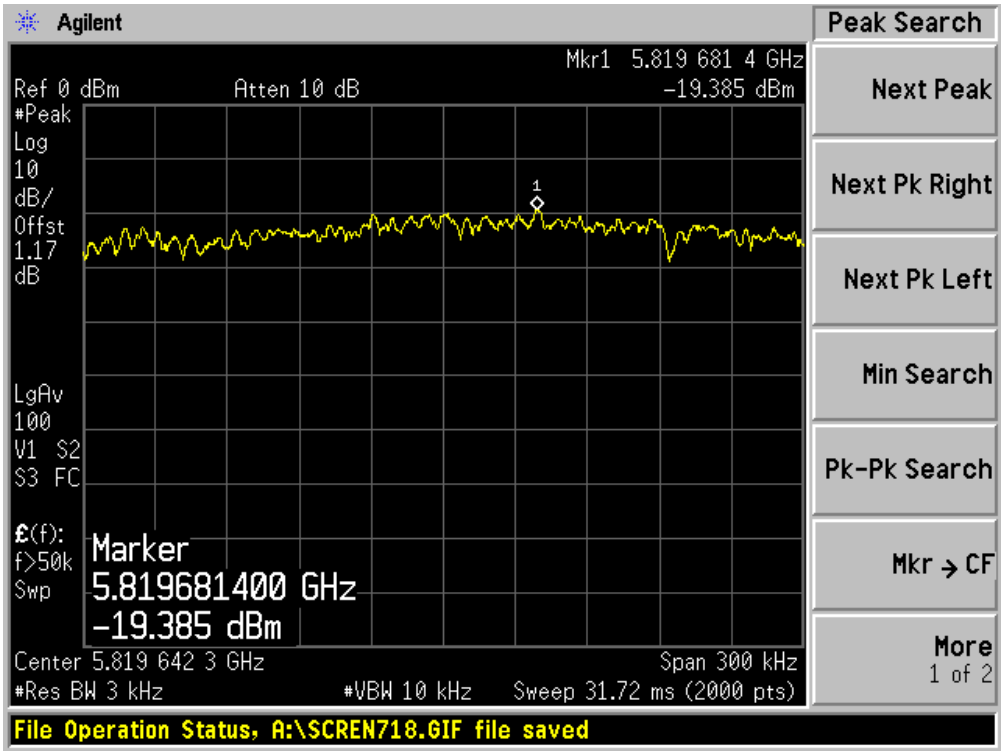
Channel 149 (5745MHz) – Chain A



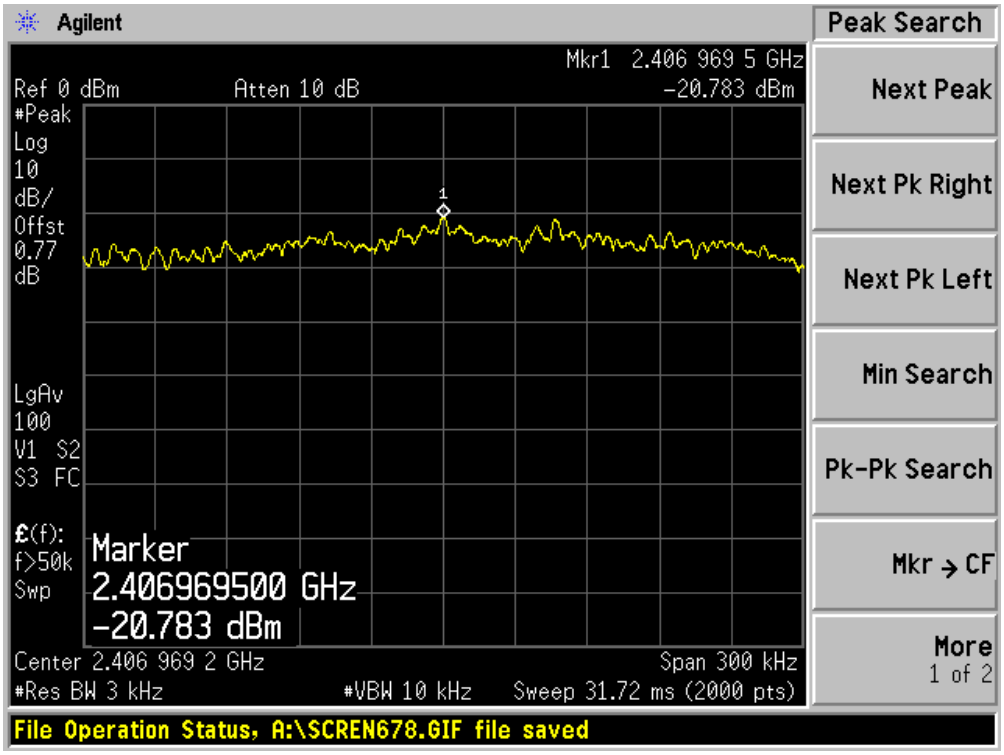
Channel 157 (5785MHz) – Chain A



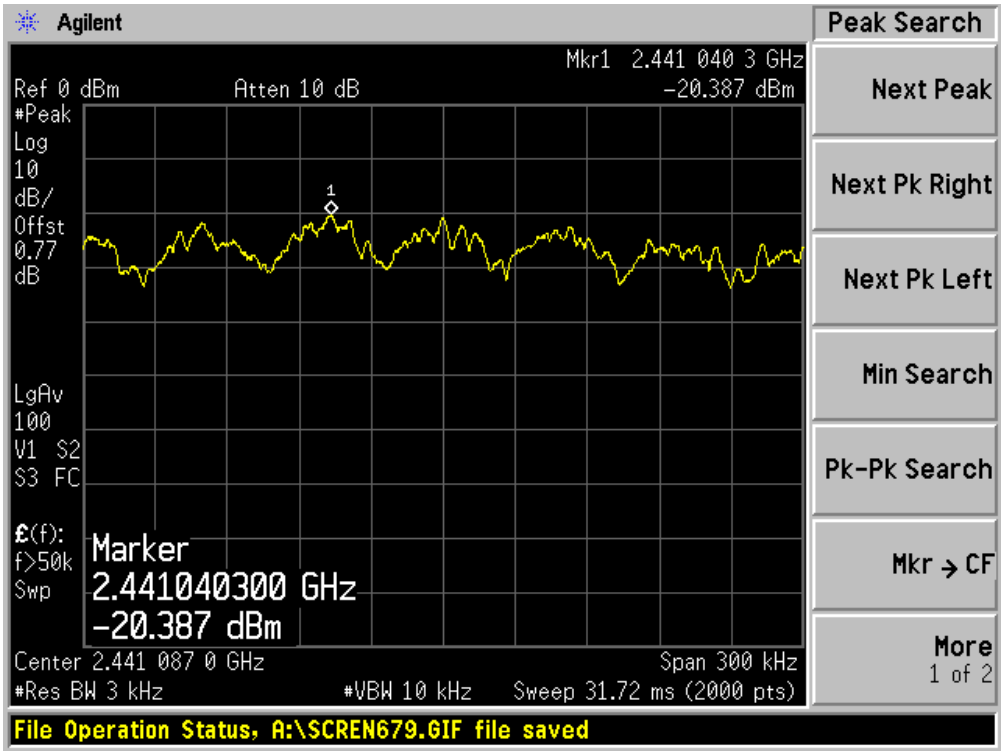
Channel 165 (5825MHz) – Chain A



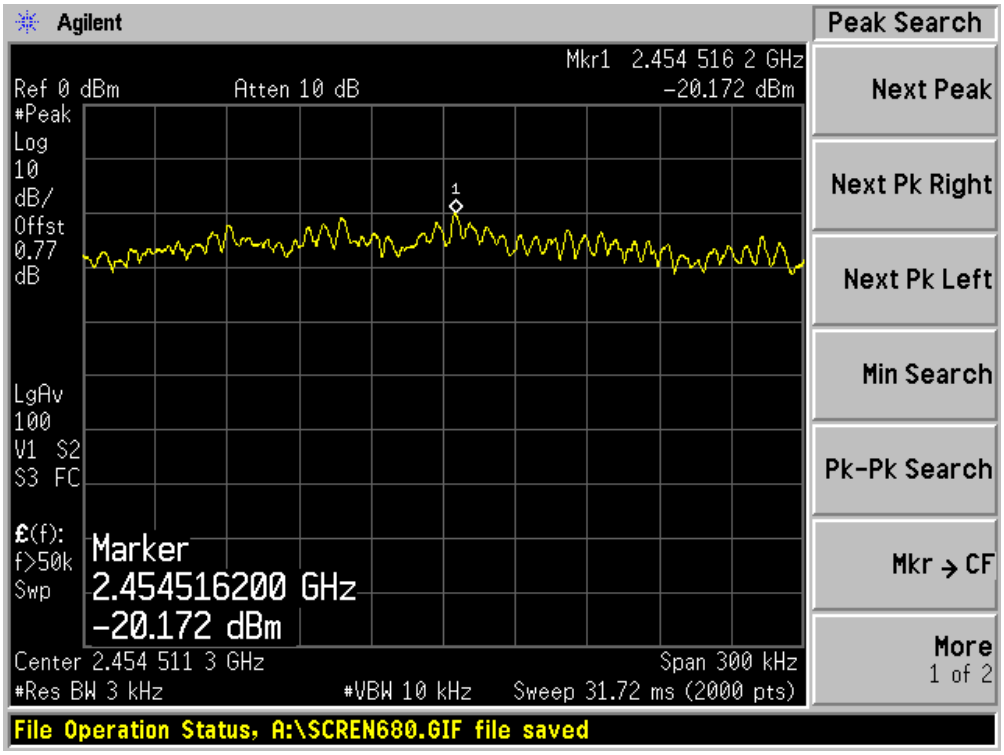
Channel 01 (2412MHz) – Chain B



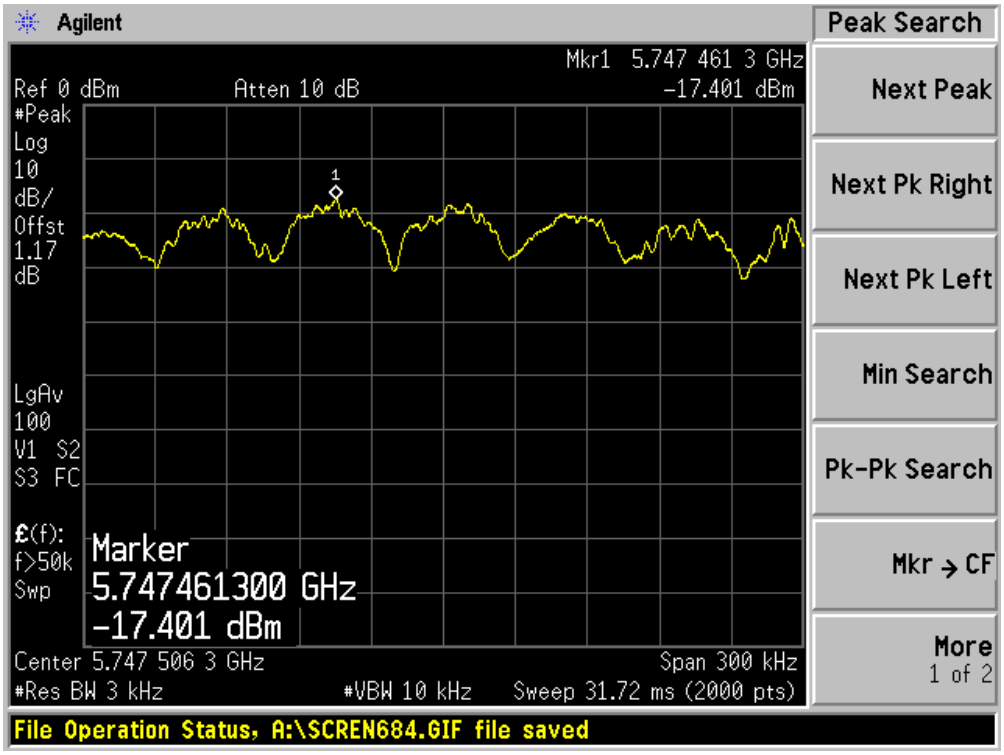
Channel 06 (2437MHz) – Chain B



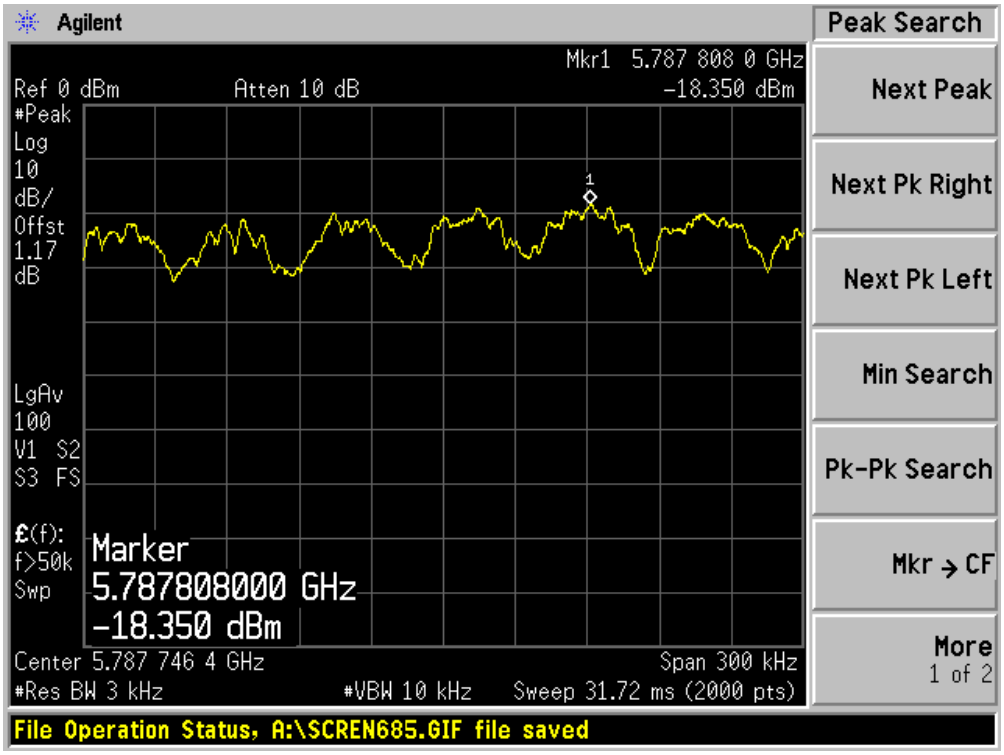
Channel 11 (2462MHz) – Chain B



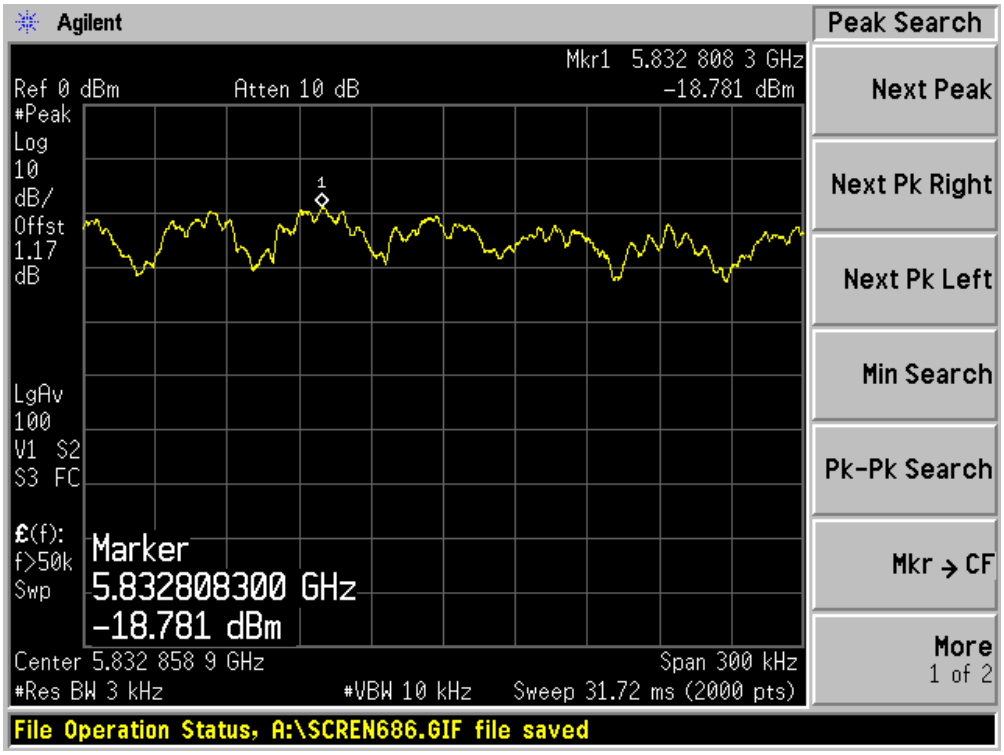
Channel 149 (5745MHz) – Chain B



Channel 157 (5785MHz) – Chain B



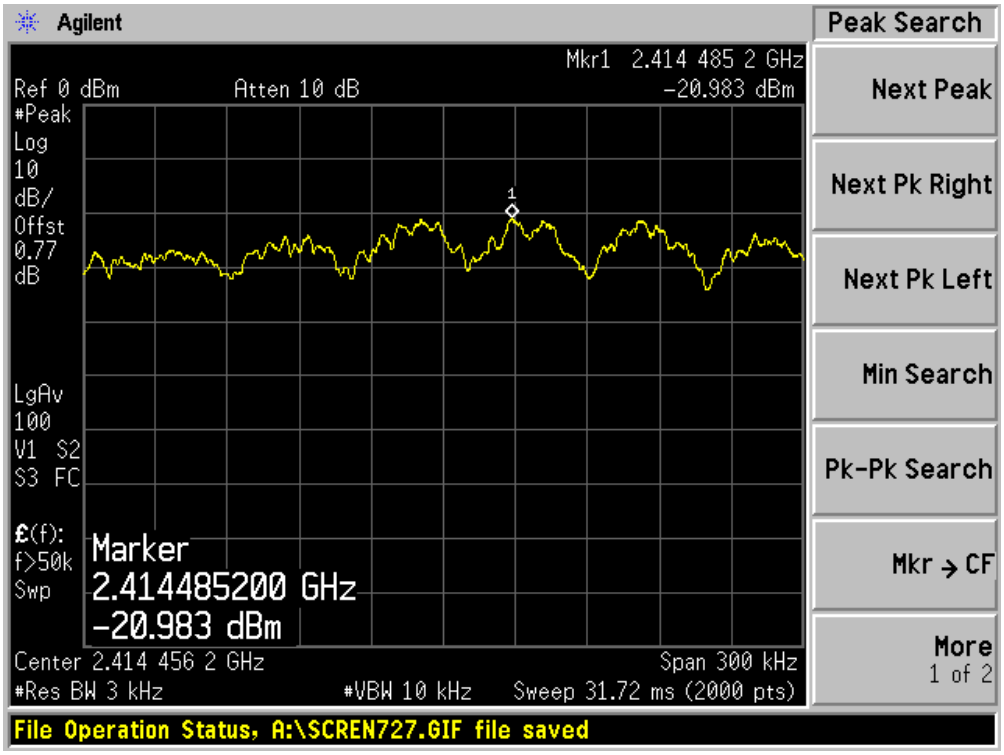
Channel 165 (5825MHz) – Chain B



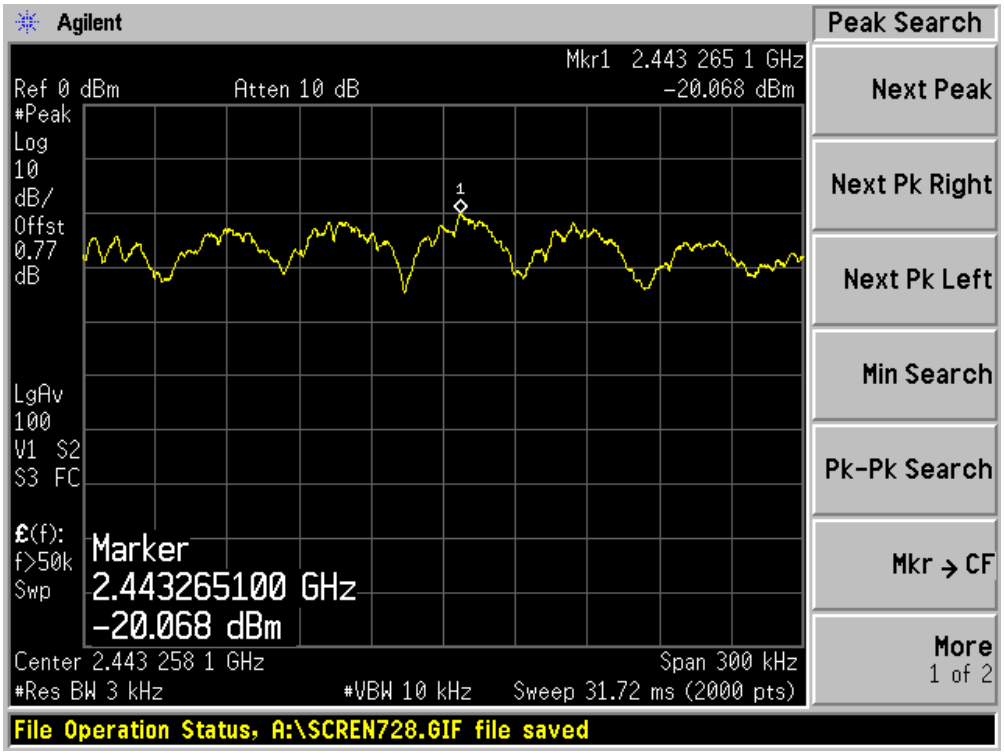
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-20.983	N/A	-21.893	-18.40	8	Pass
06	2437	-20.068	N/A	-20.783	-17.40	8	Pass
11	2462	-20.419	N/A	-21.474	-17.90	8	Pass
149	5745	-18.101	N/A	-20.895	-16.27	8	Pass
157	5785	-19.529	N/A	-20.503	-16.98	8	Pass
165	5825	-19.829	N/A	-19.914	-16.86	8	Pass

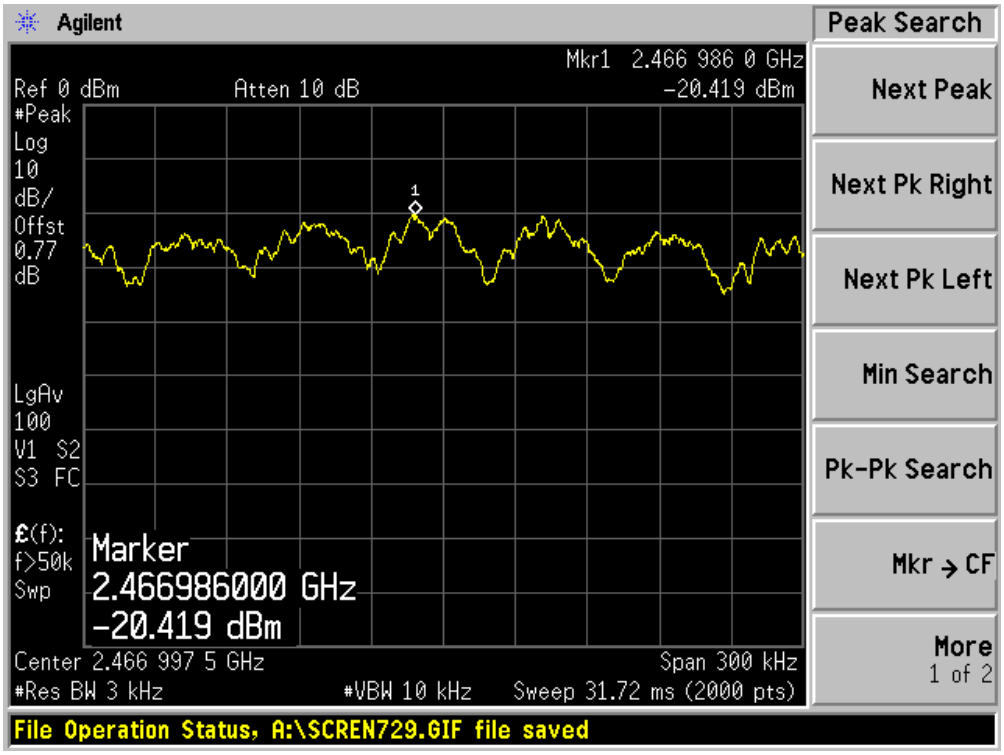
Channel 01 (2412MHz) – Chain A



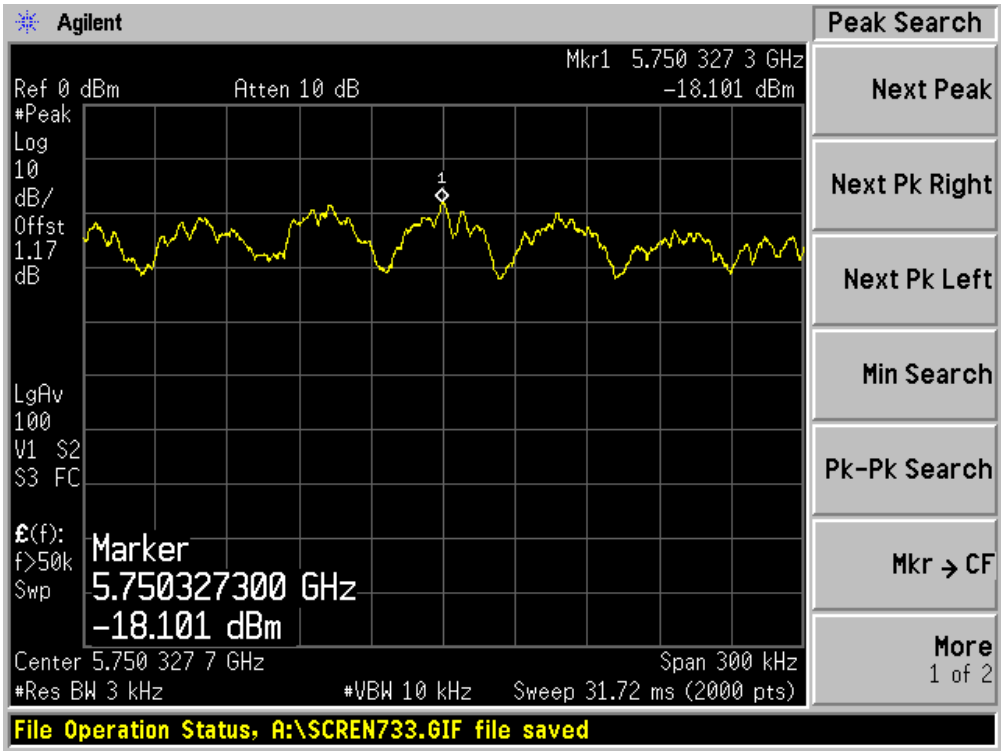
Channel 06 (2437MHz) – Chain A



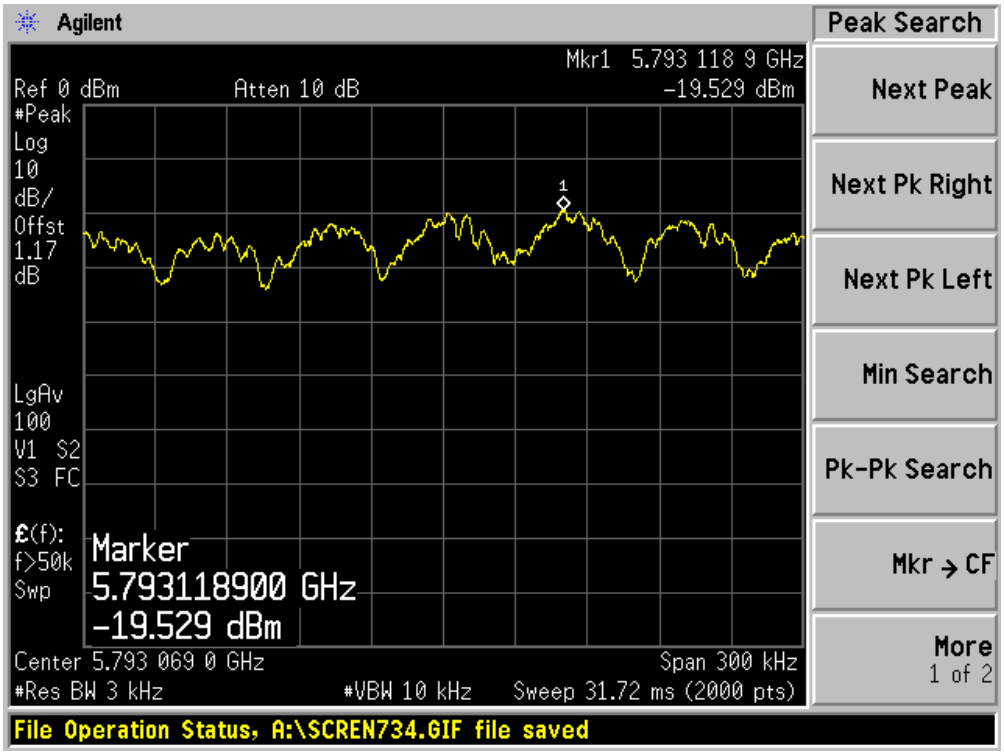
Channel 11 (2462MHz) – Chain A



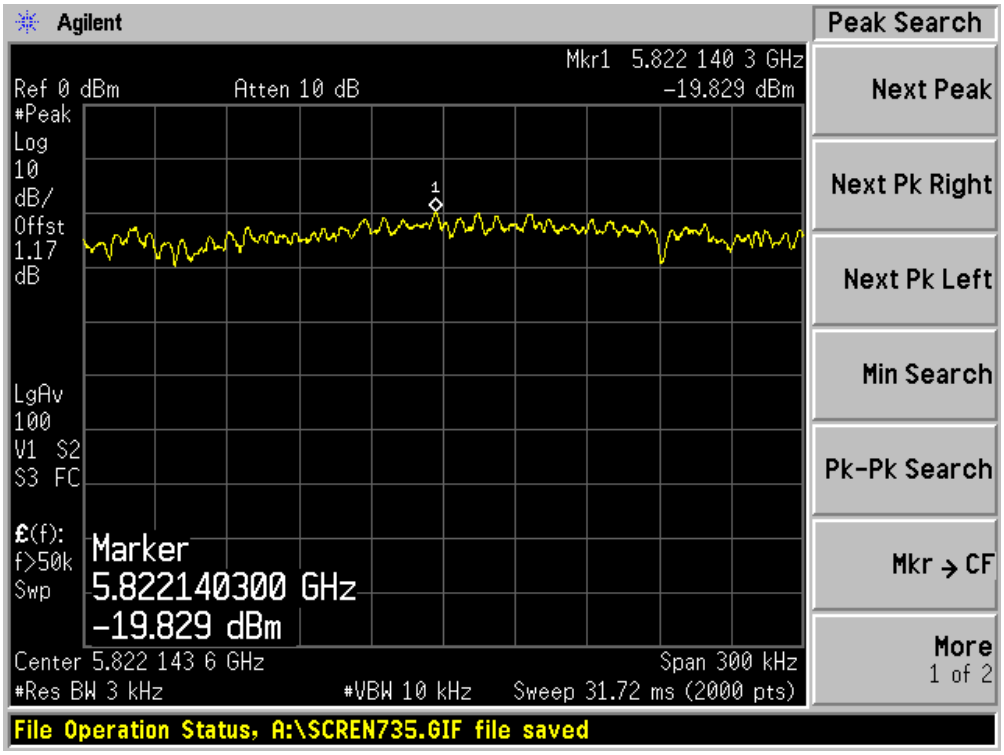
Channel 149 (5745MHz) – Chain A



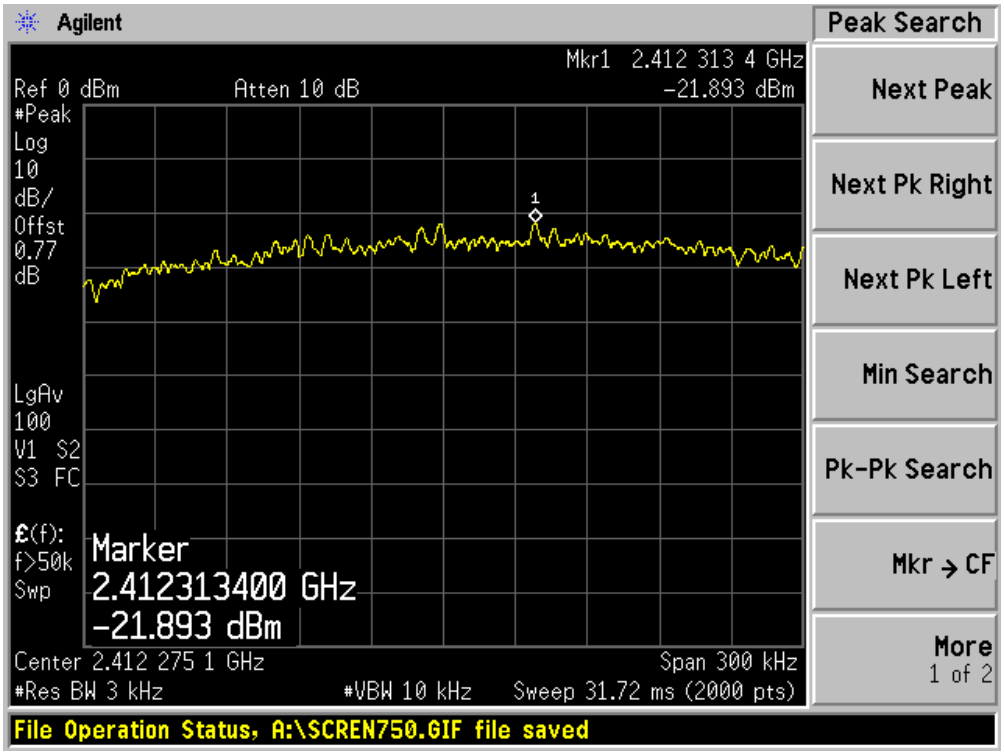
Channel 157 (5785MHz) – Chain A



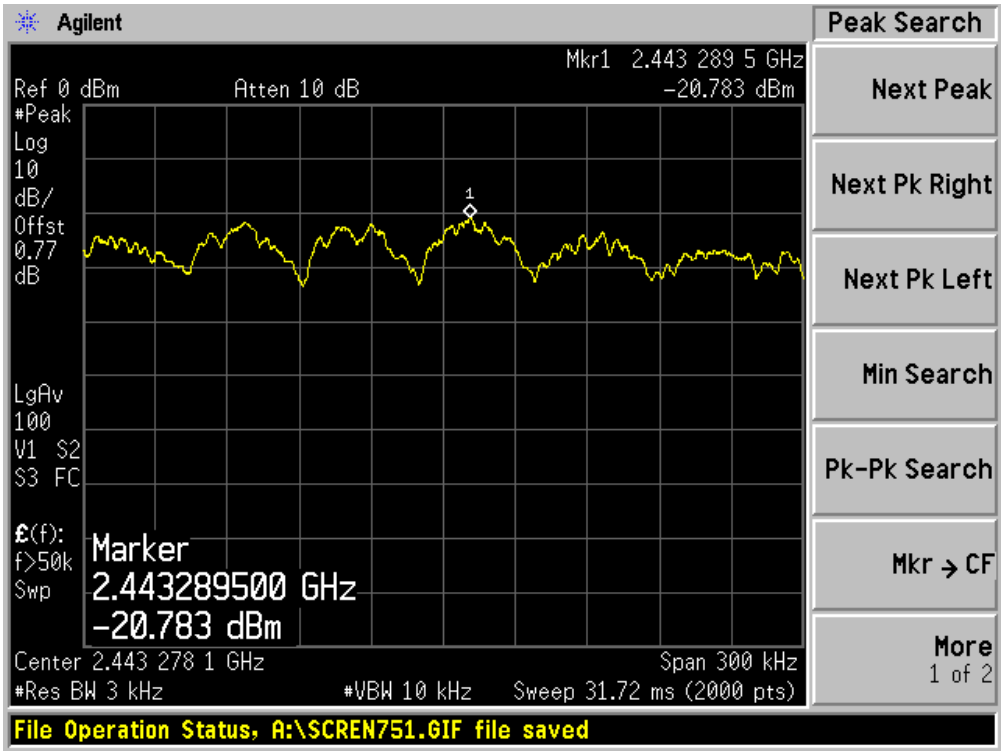
Channel 165 (5825MHz) – Chain A



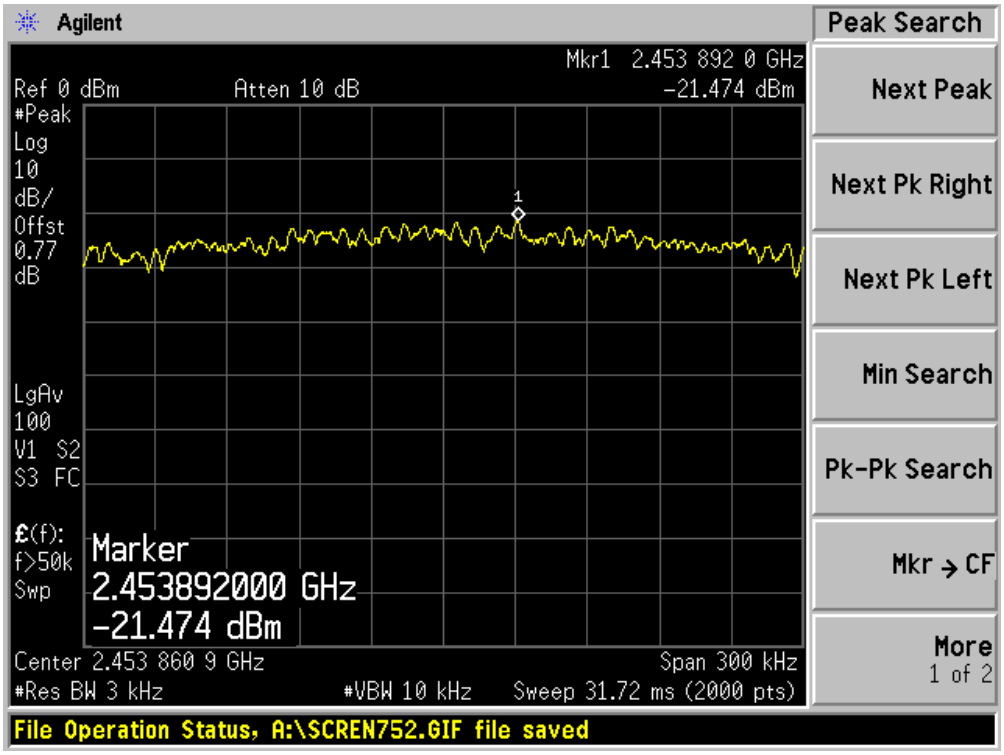
Channel 01 (2412MHz) – Chain C



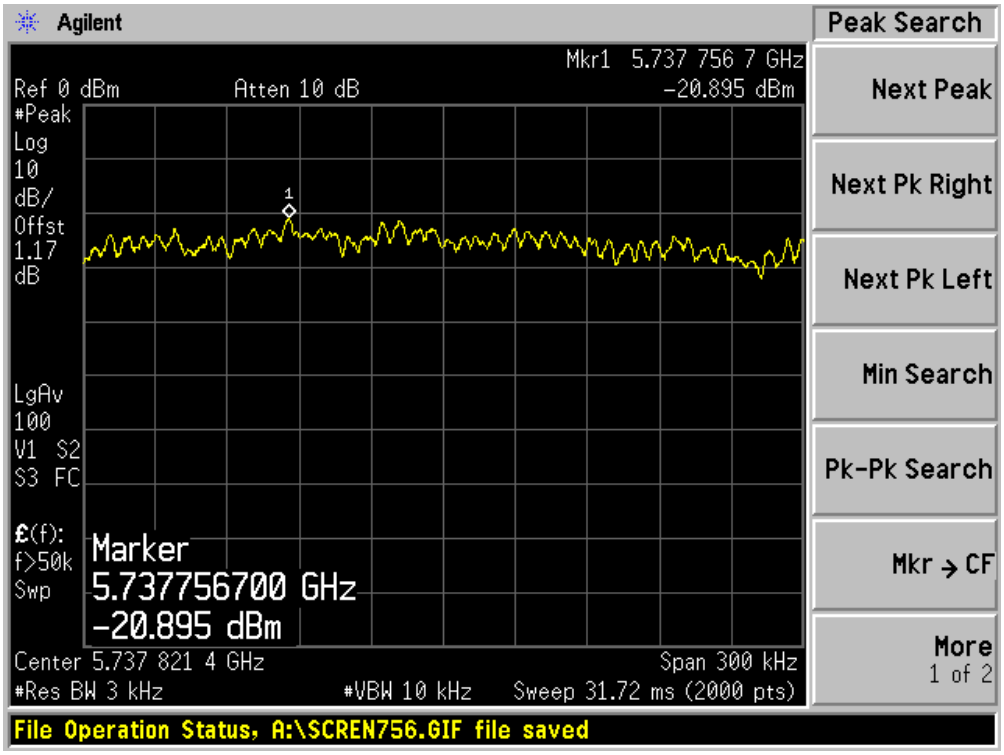
Channel 06 (2437MHz) – Chain C



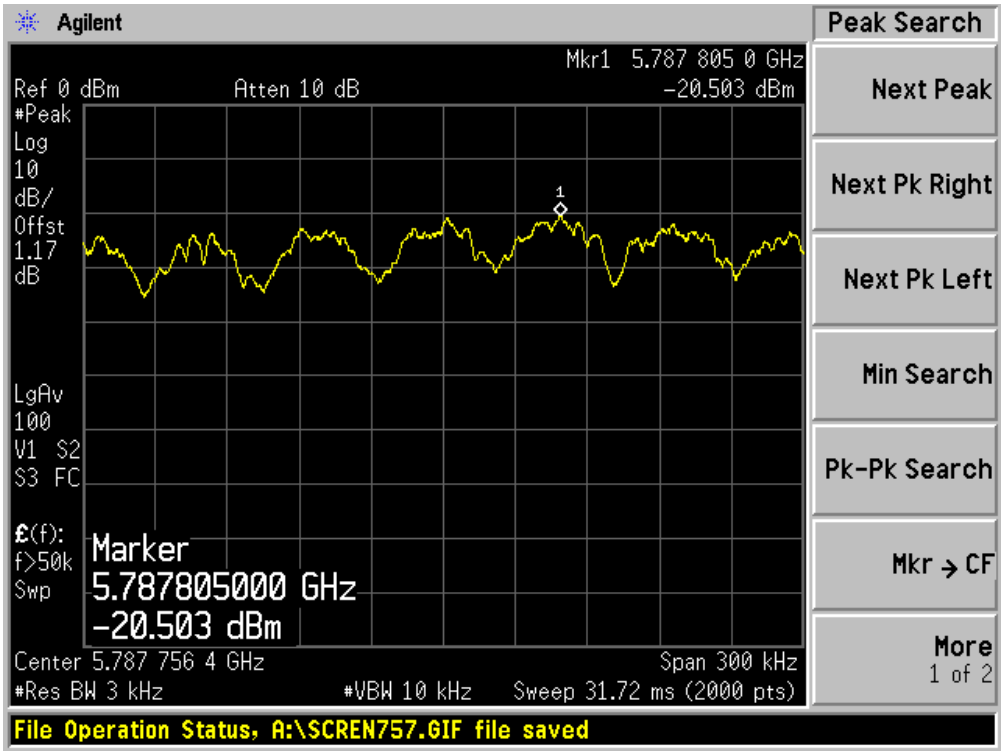
Channel 11 (2462MHz) – Chain C



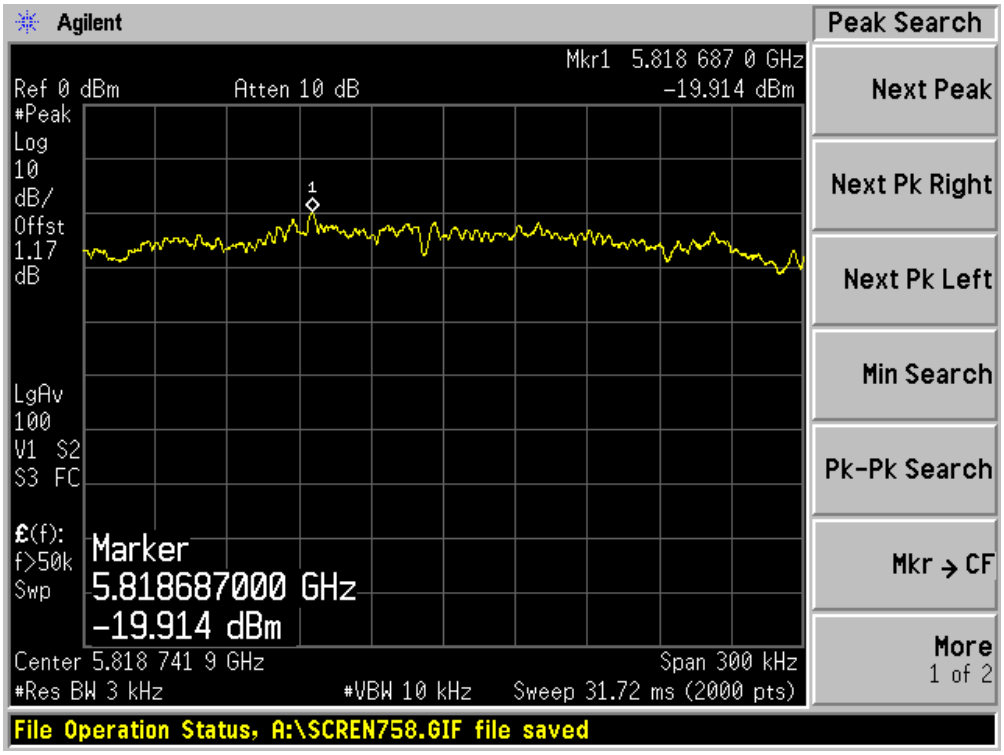
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



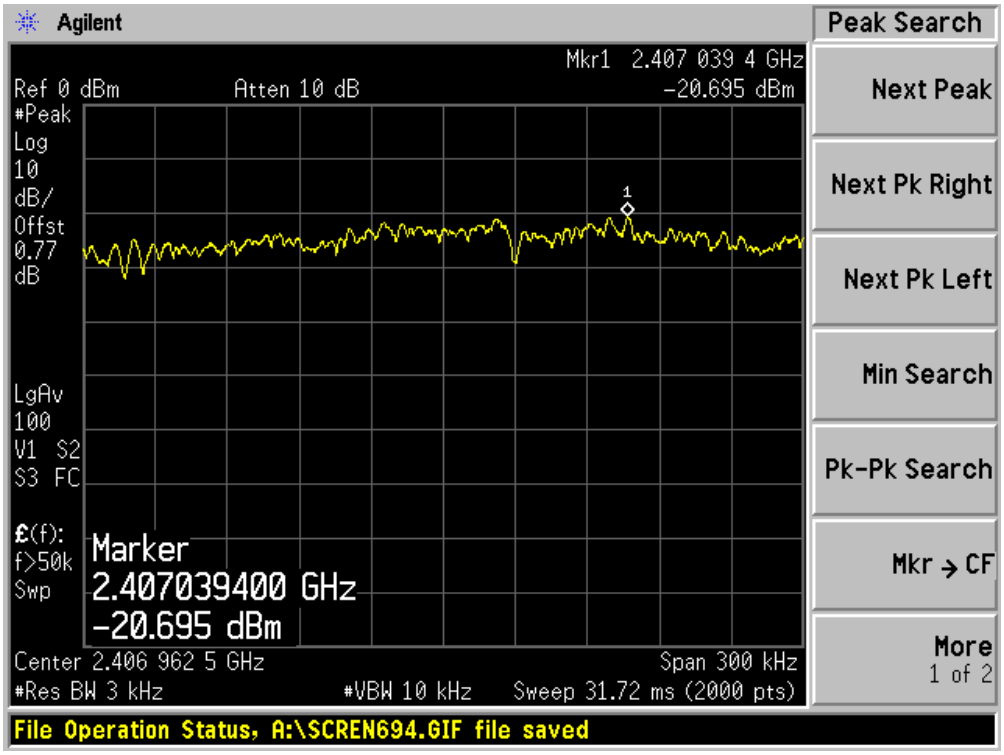
Channel 165 (5825MHz) – Chain C



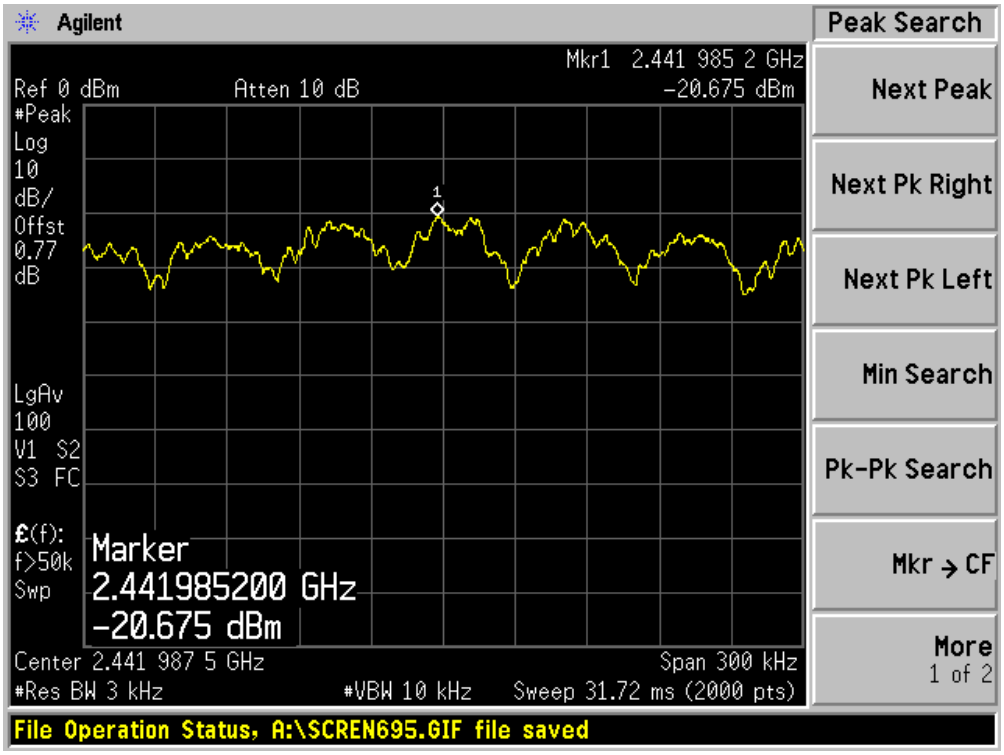
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain B+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	N/A	-20.695	-22.546	-18.51	8	Pass
06	2437	N/A	-20.675	-22.335	-18.42	8	Pass
11	2462	N/A	-20.159	-20.850	-17.48	8	Pass
149	5745	N/A	-21.814	-21.880	-18.84	8	Pass
157	5785	N/A	-22.329	-20.196	-18.12	8	Pass
165	5825	N/A	-23.854	-19.232	-17.94	8	Pass

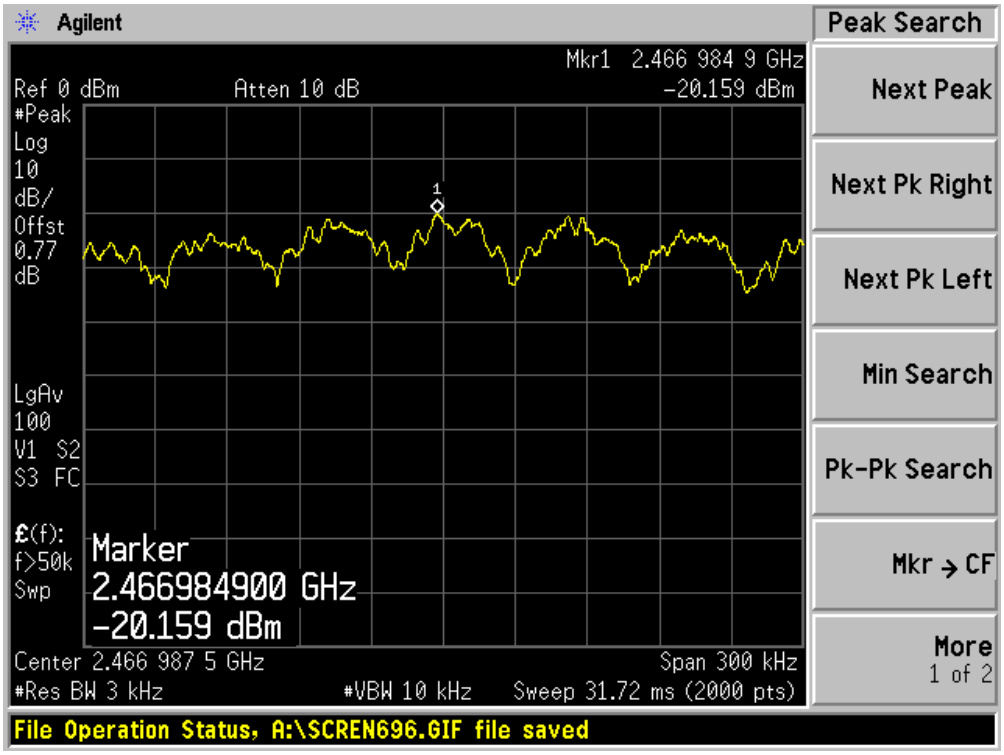
Channel 01 (2412MHz) – Chain B



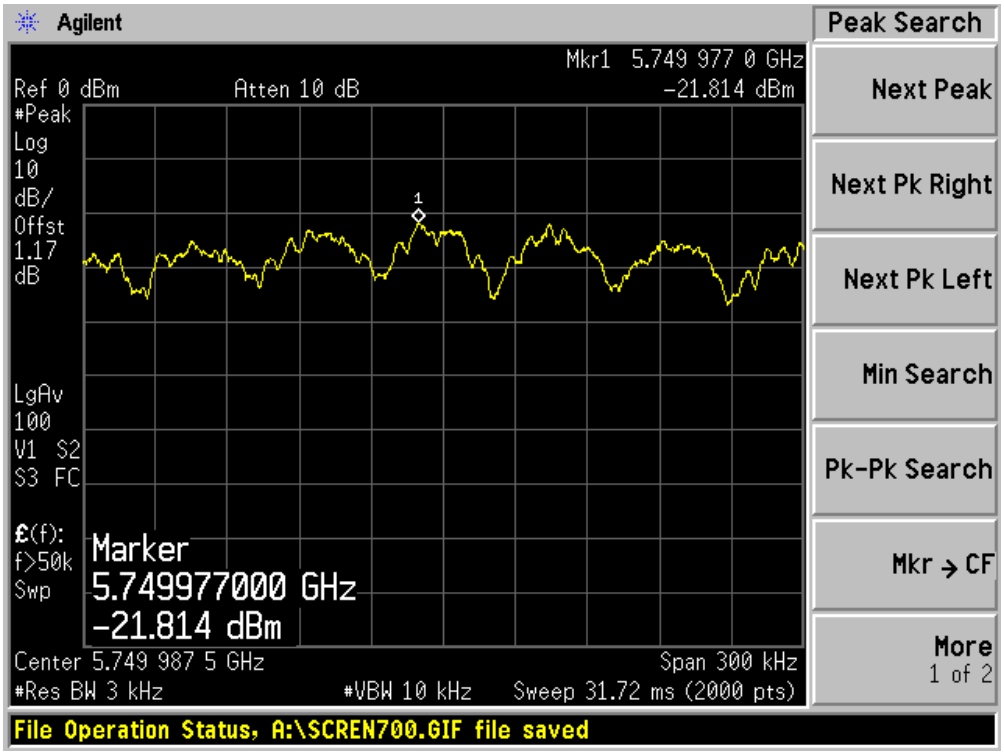
Channel 06 (2437MHz) – Chain B



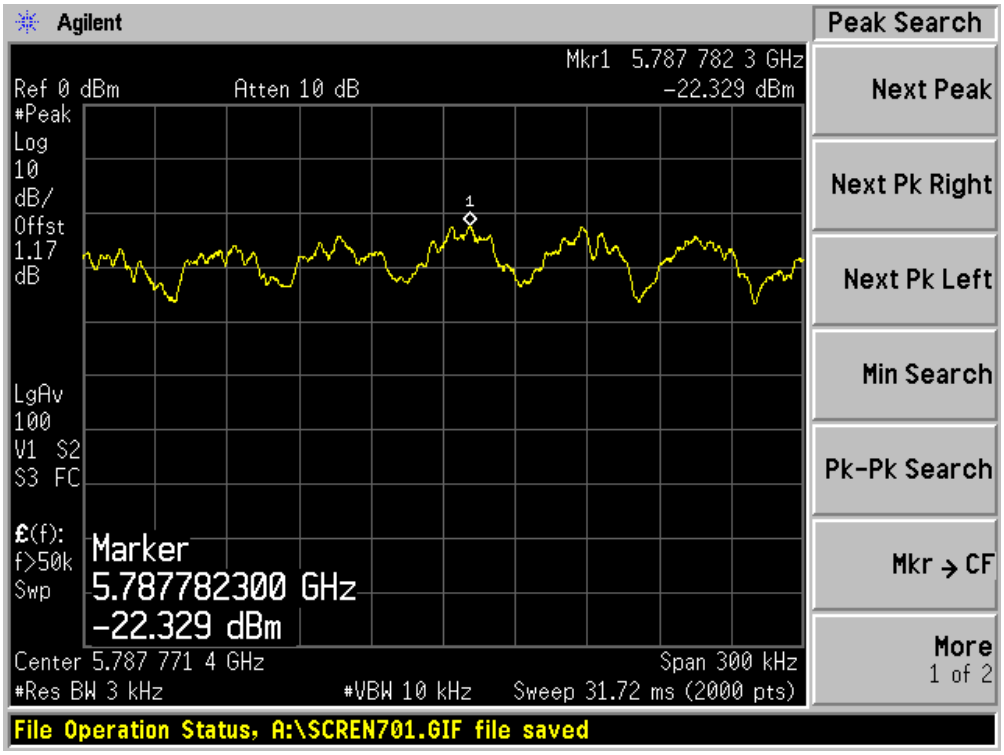
Channel 11 (2462MHz) – Chain B



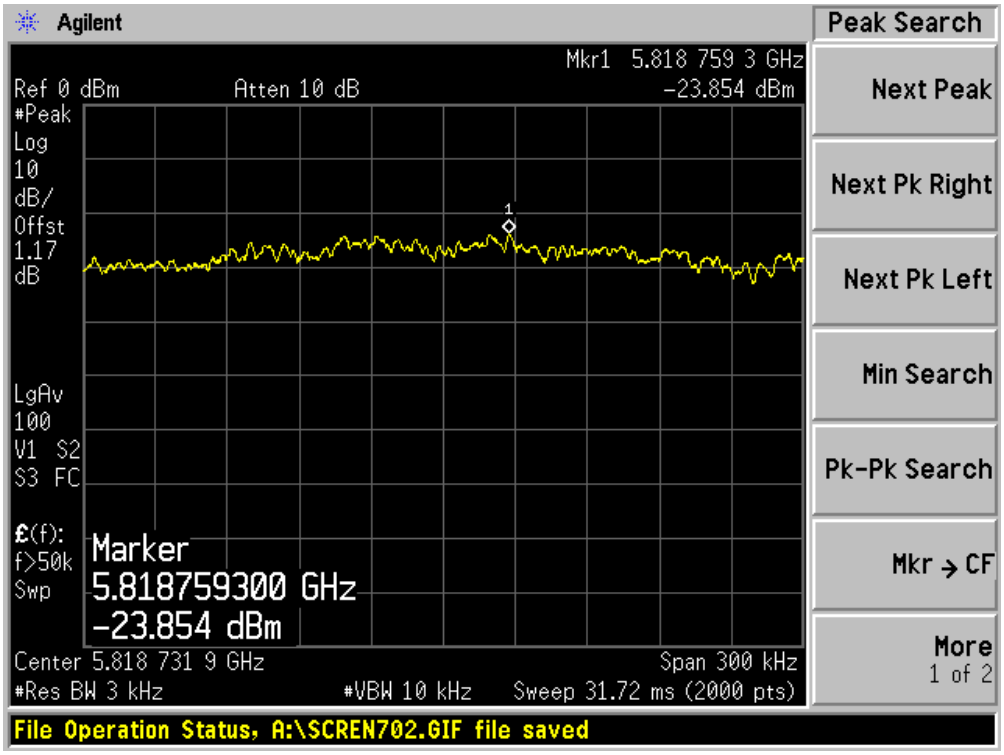
Channel 149 (5745MHz) – Chain B



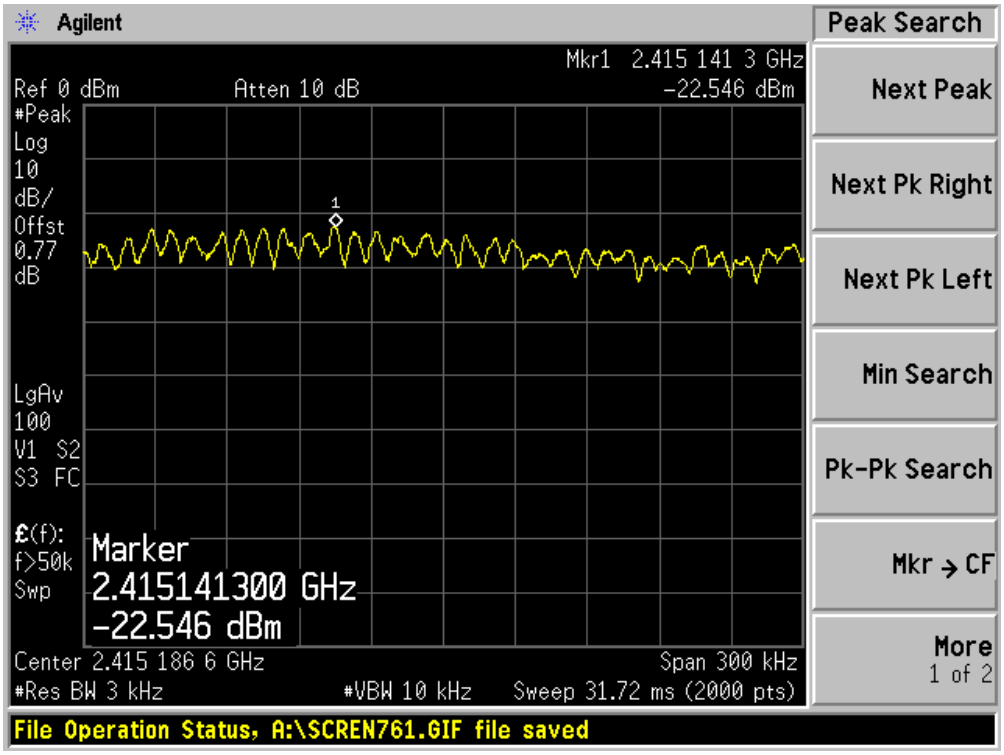
Channel 157 (5785MHz) – Chain B



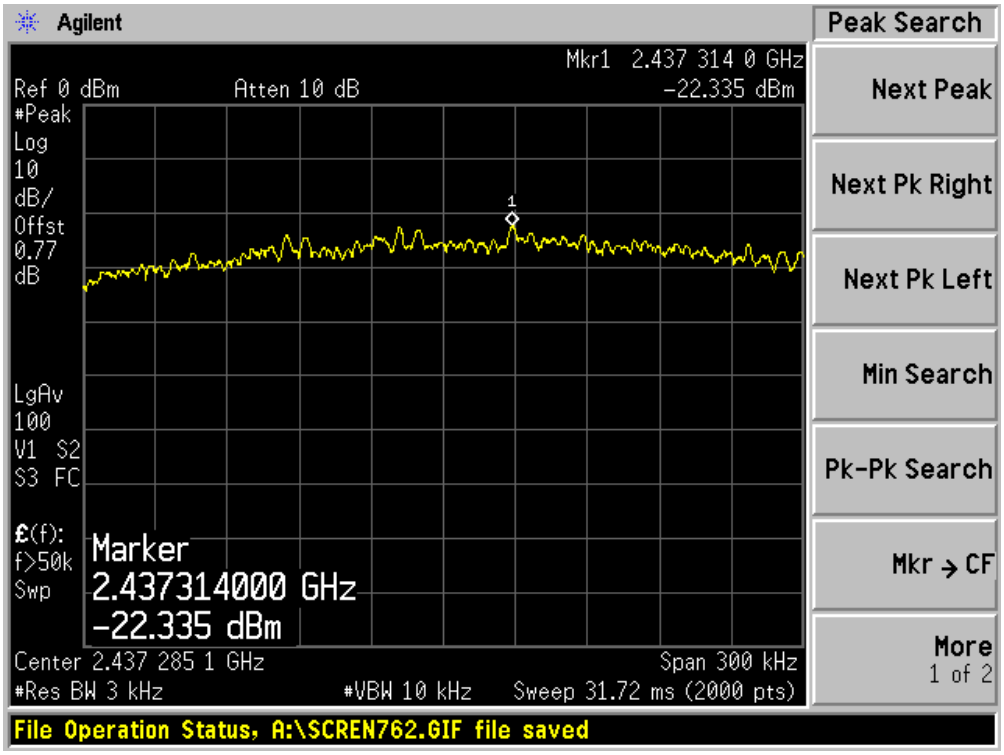
Channel 165 (5825MHz) – Chain B



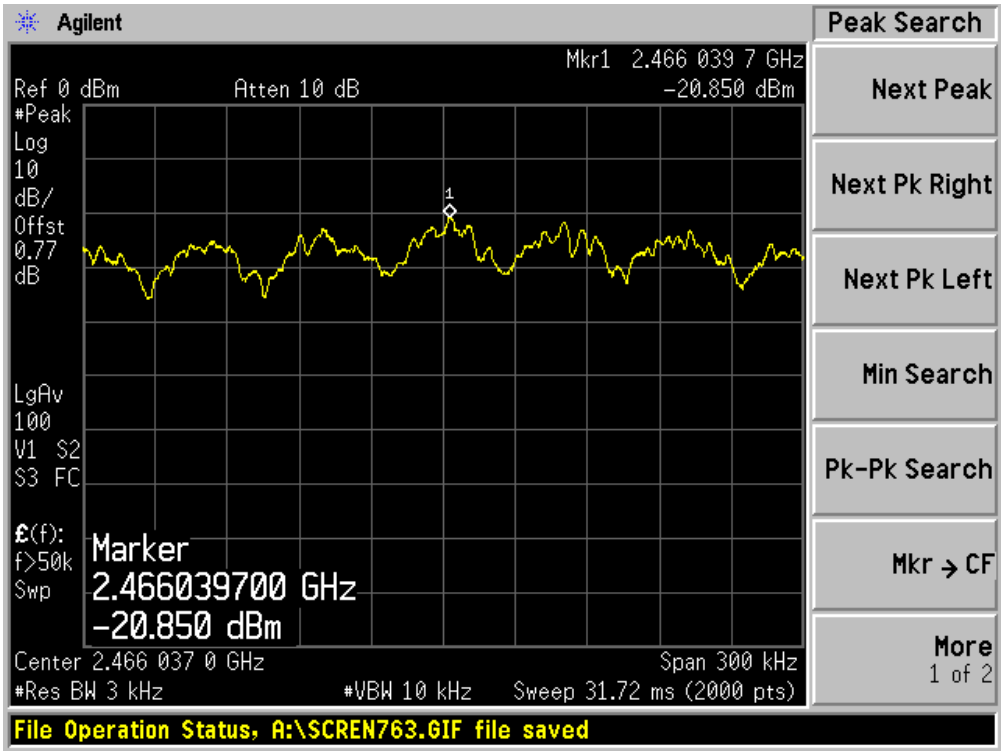
Channel 01 (2412MHz) – Chain C



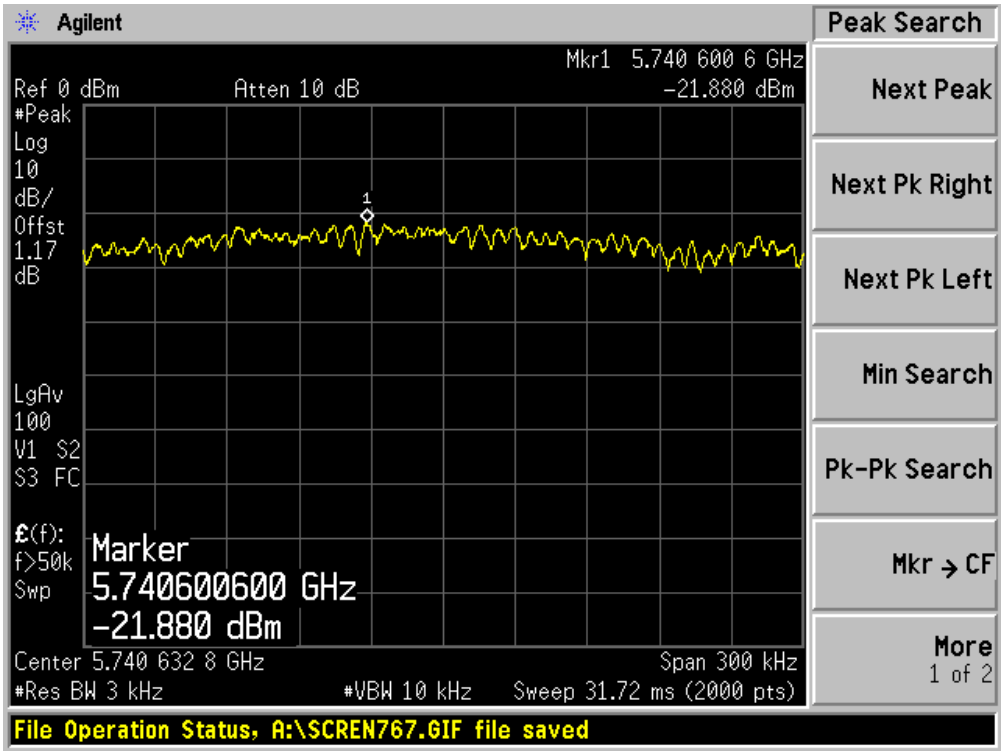
Channel 06 (2437MHz) – Chain C



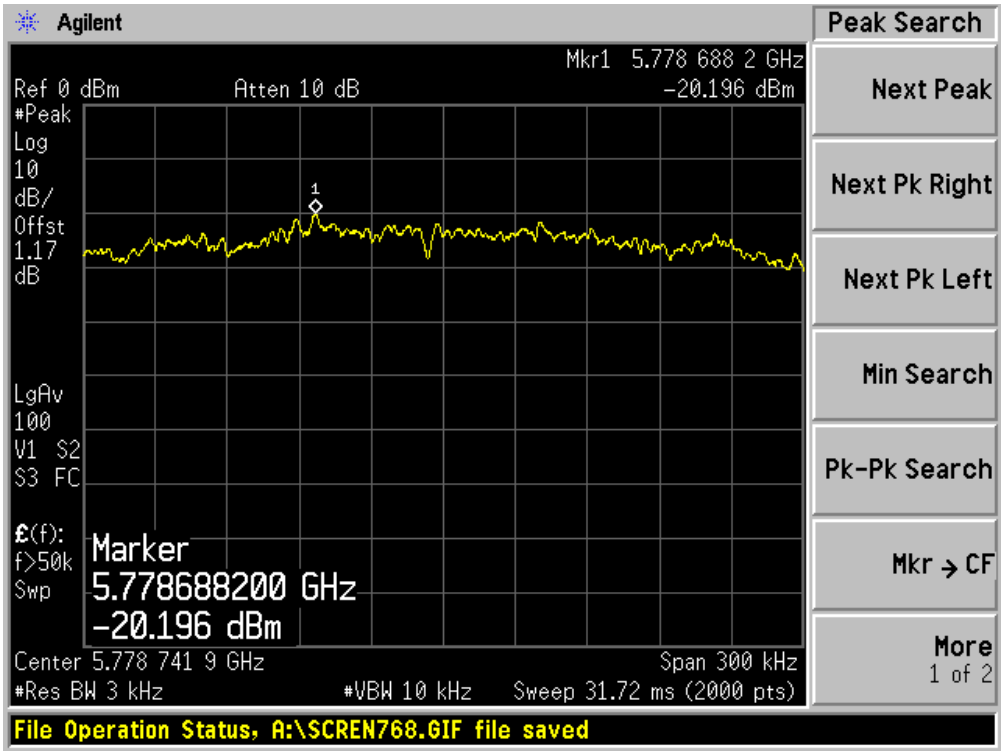
Channel 11 (2462MHz) – Chain C



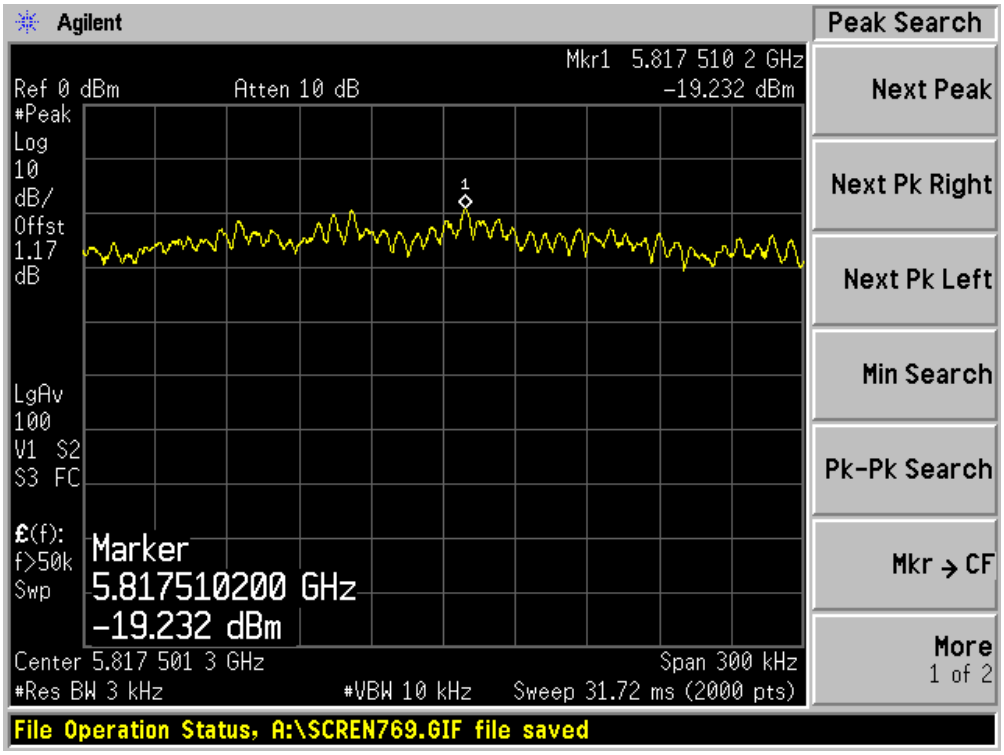
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



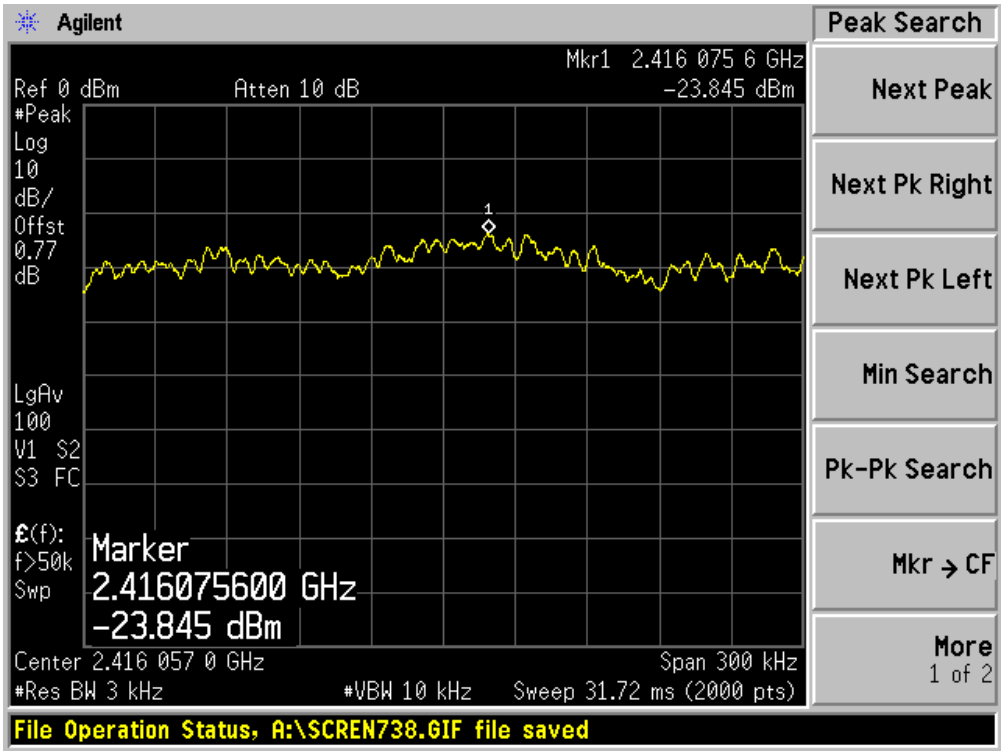
Channel 165 (5825MHz) – Chain C



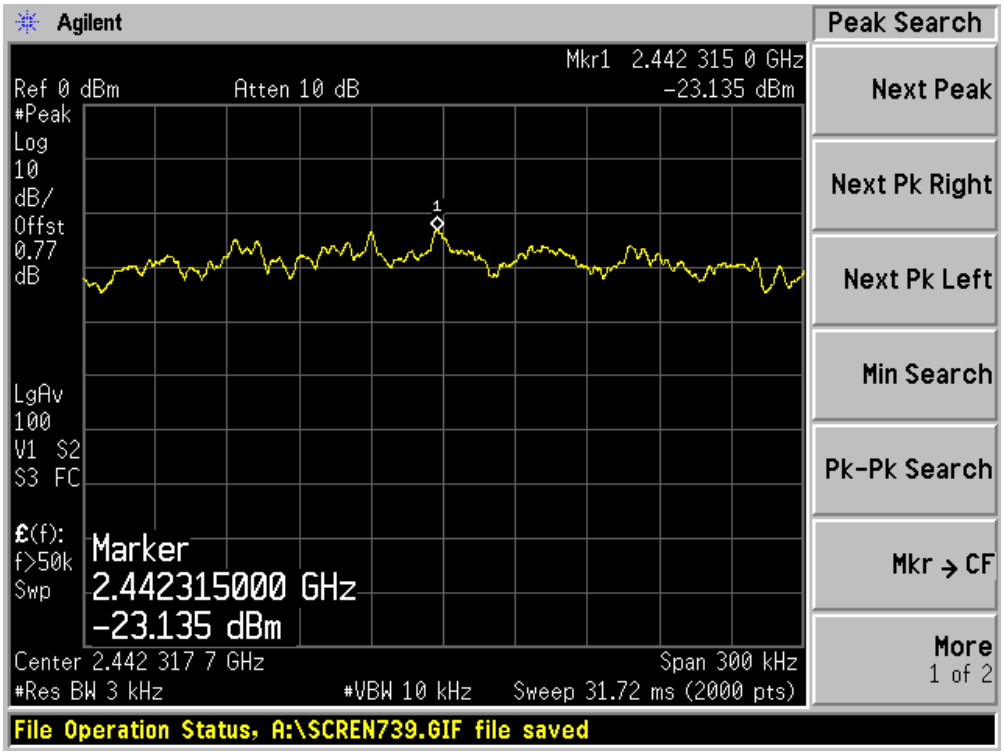
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain A+B+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
01	2412	-23.845	-22.883	-23.074	-18.48	8	Pass
06	2437	-23.135	-15.923	-22.823	-14.48	8	Pass
11	2462	-23.466	-16.327	-23.547	-14.92	8	Pass
149	5745	-22.783	-24.178	-22.543	-18.34	8	Pass
157	5785	-22.036	-25.817	-20.189	-17.34	8	Pass
165	5825	-20.870	-27.065	-21.330	-17.57	8	Pass

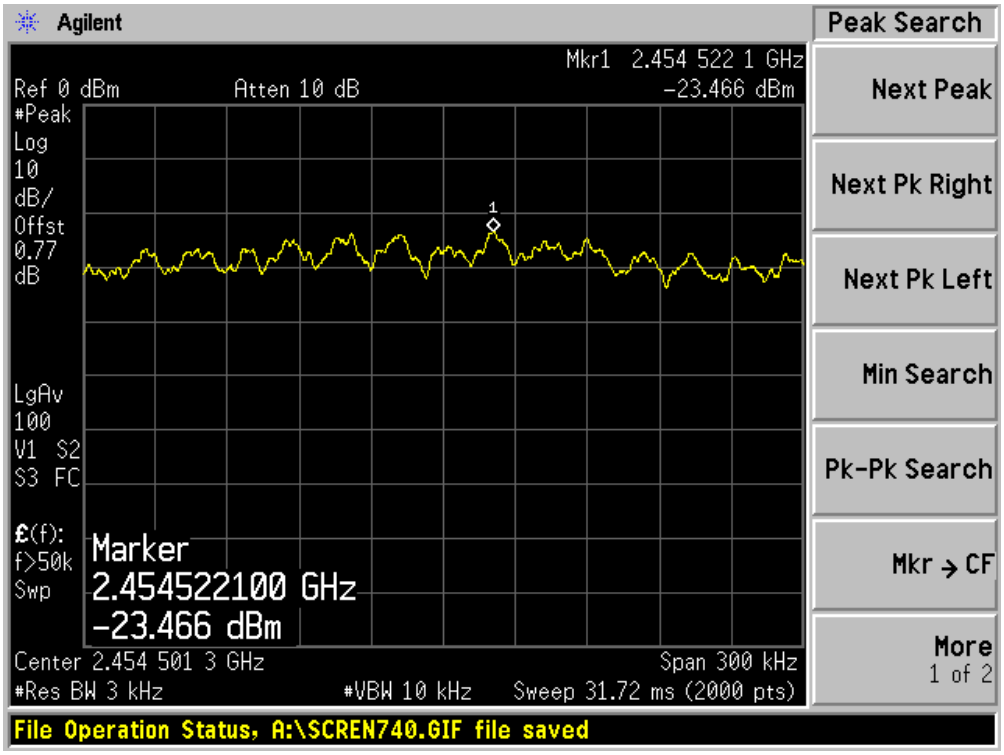
Channel 01 (2412MHz) – Chain A



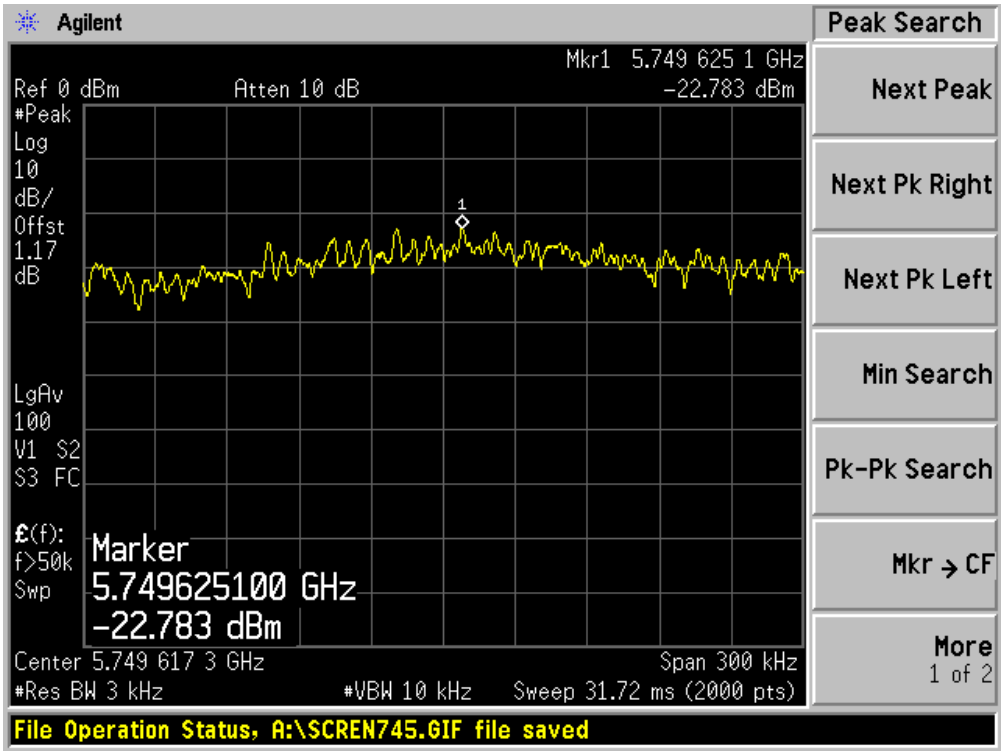
Channel 06 (2437MHz) – Chain A



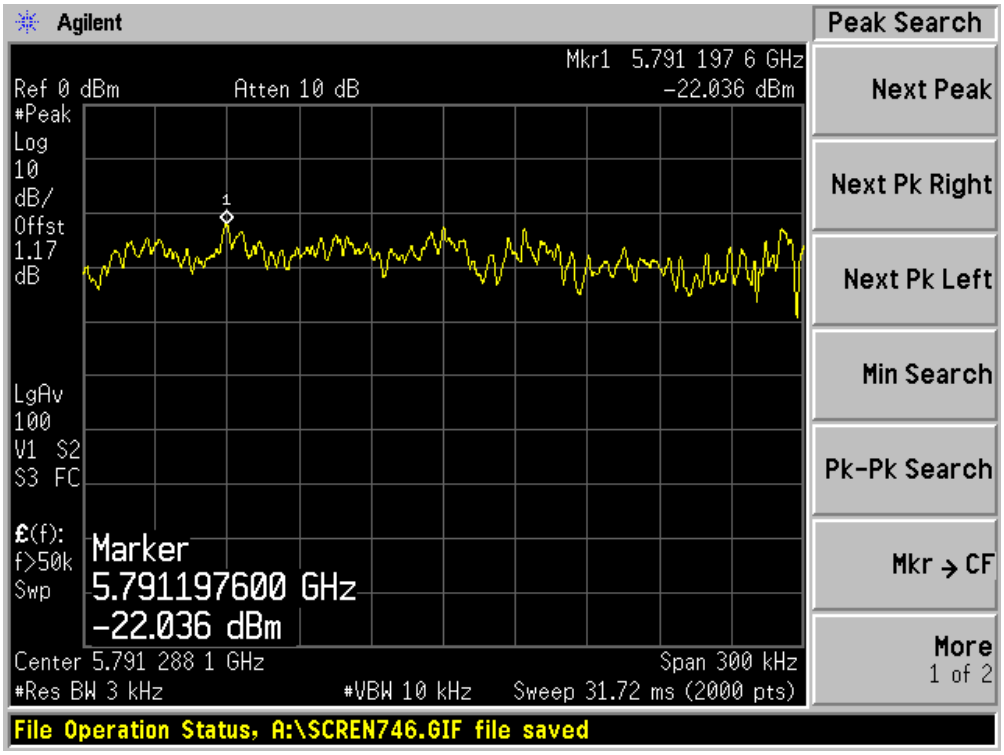
Channel 11 (2462MHz) – Chain A



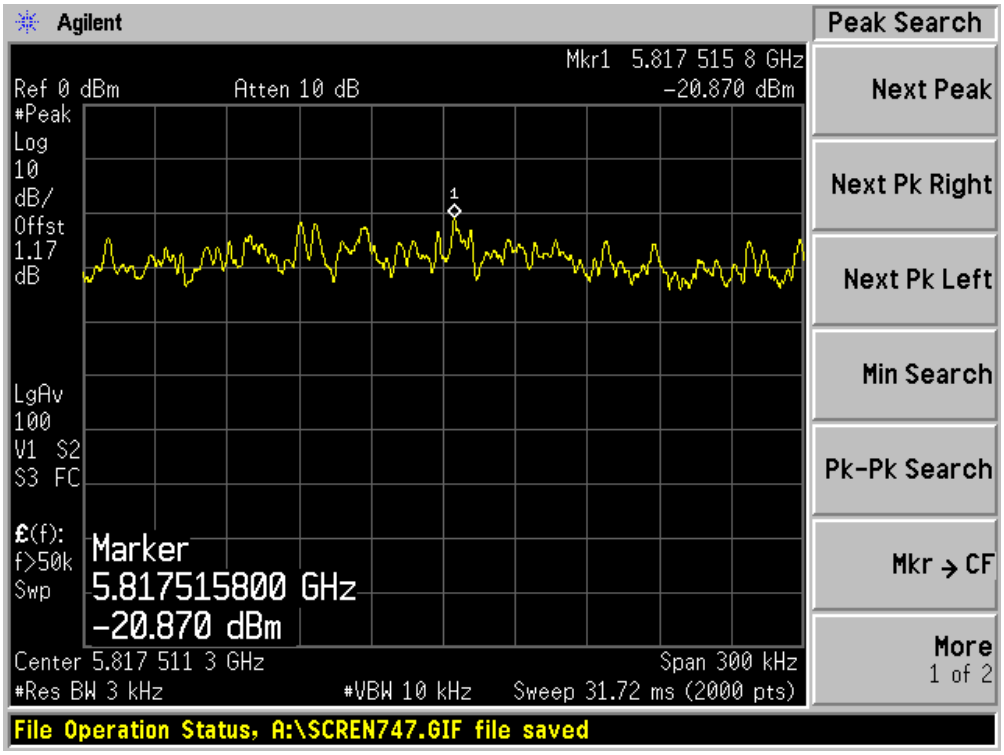
Channel 149 (5745MHz) – Chain A



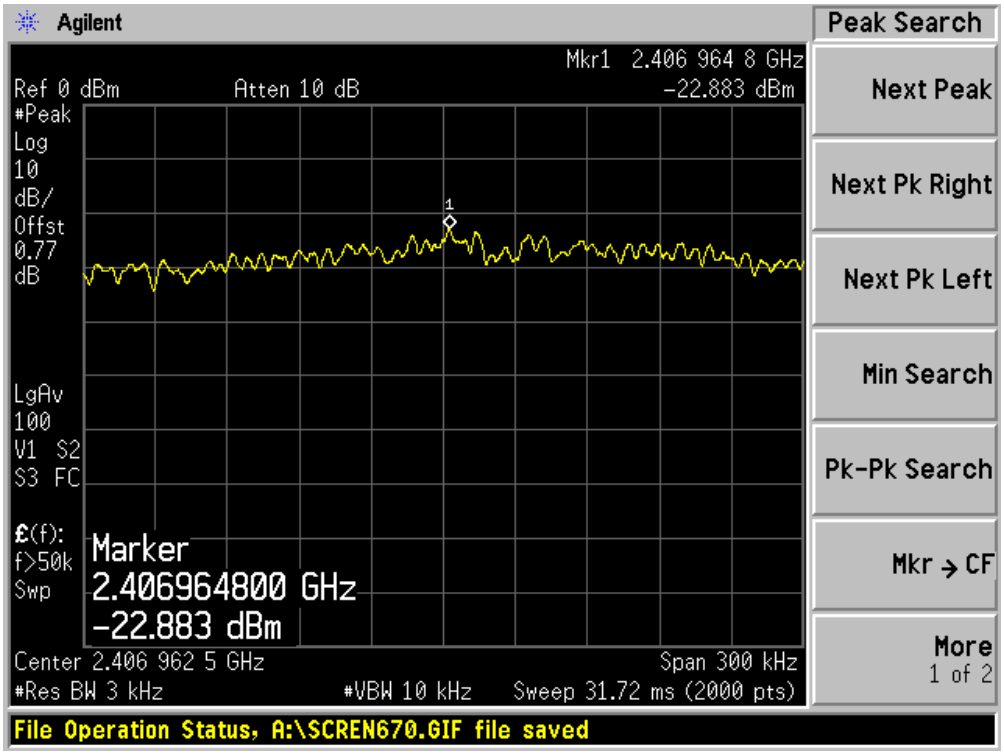
Channel 157 (5785MHz) – Chain A



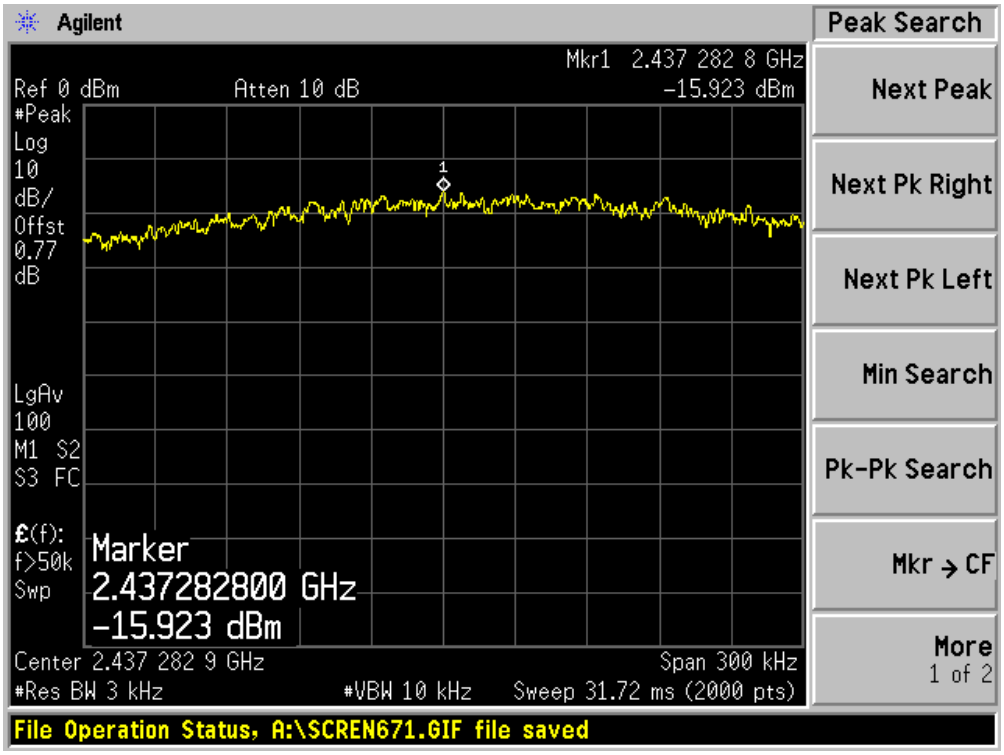
Channel 165 (5825MHz) – Chain A



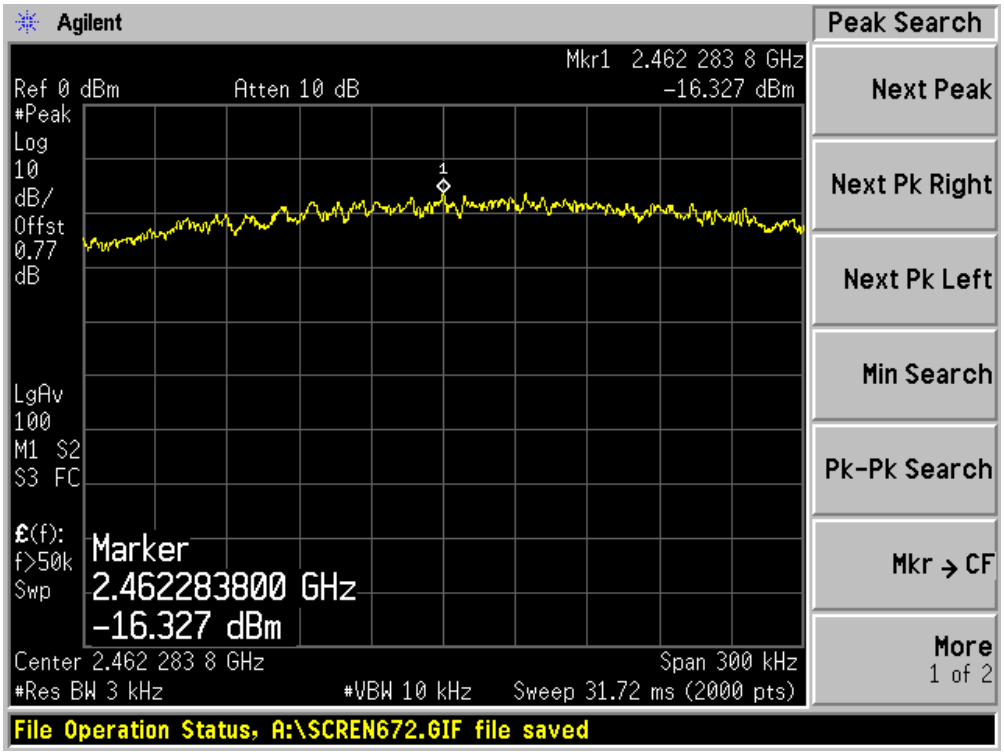
Channel 01 (2412MHz) – Chain B



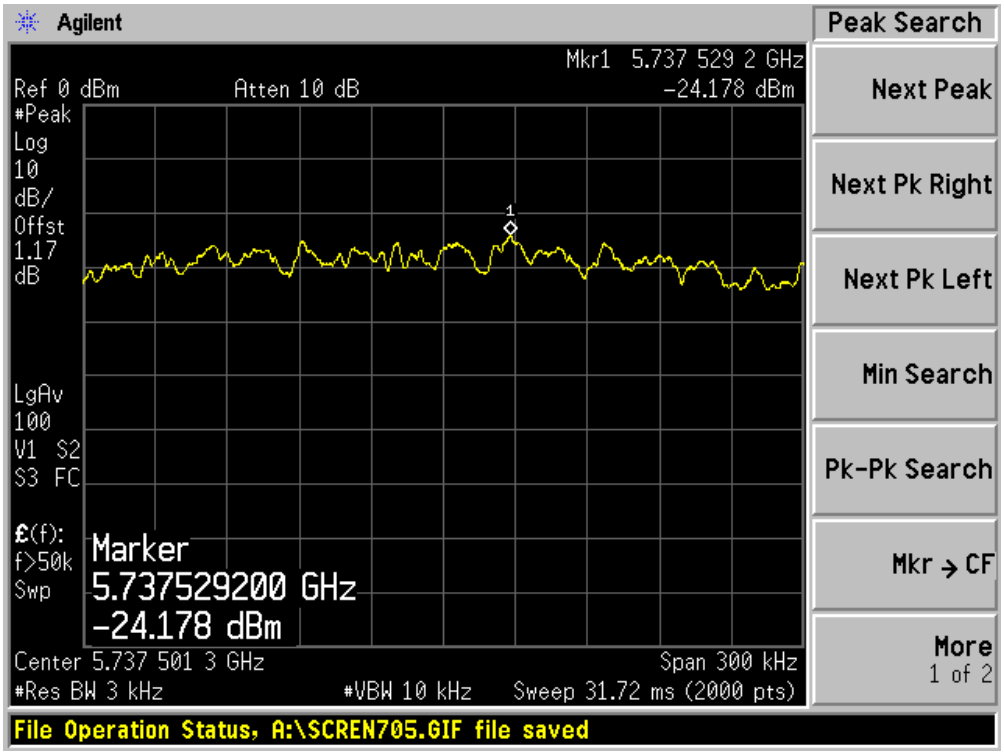
Channel 06 (2437MHz) – Chain B



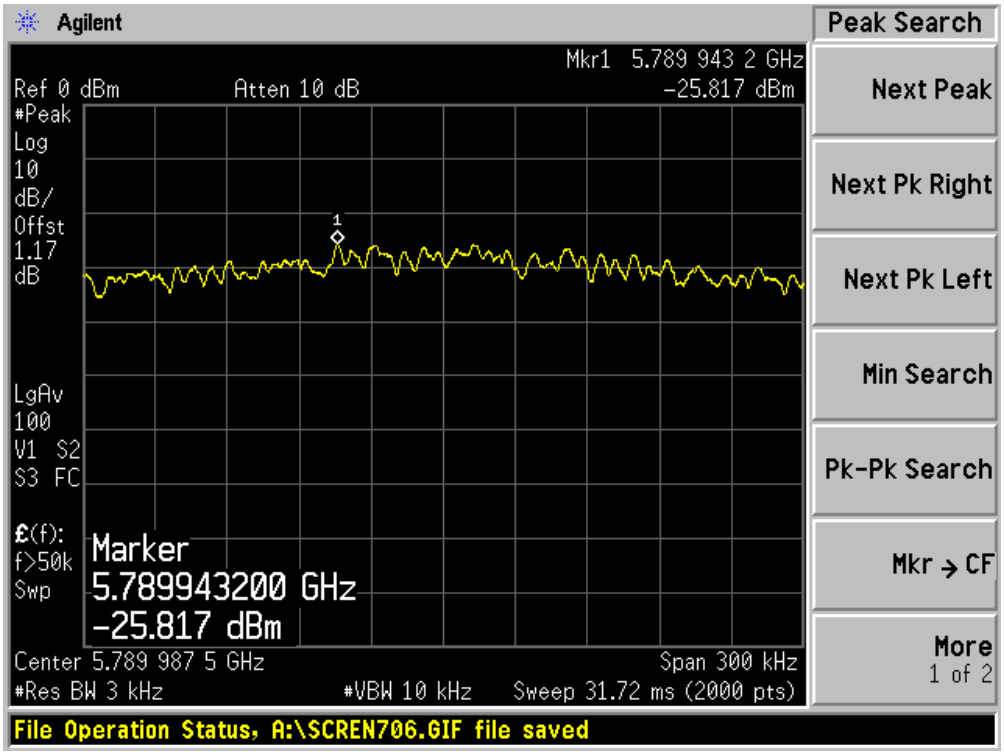
Channel 11 (2462MHz) – Chain B



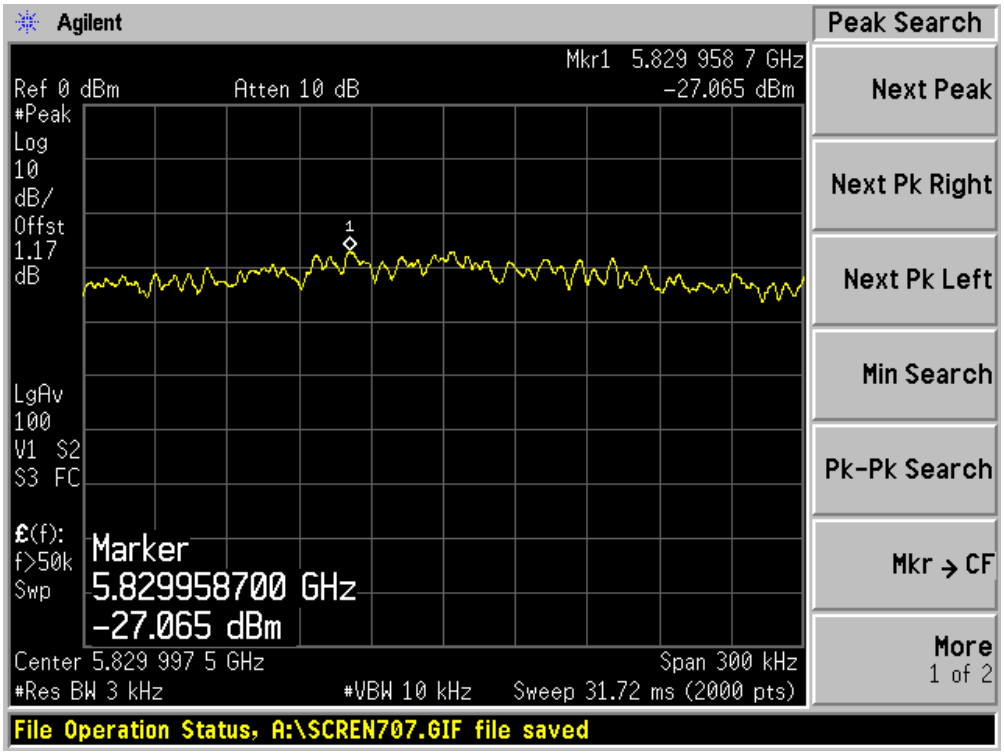
Channel 149 (5745MHz) – Chain B



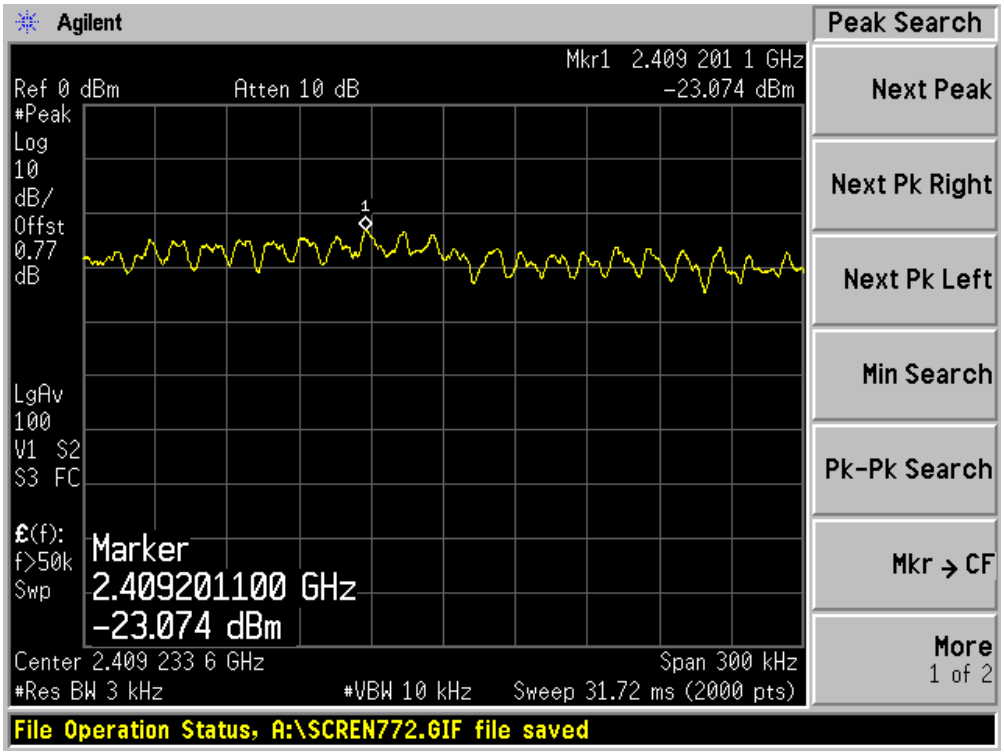
Channel 157 (5785MHz) – Chain B



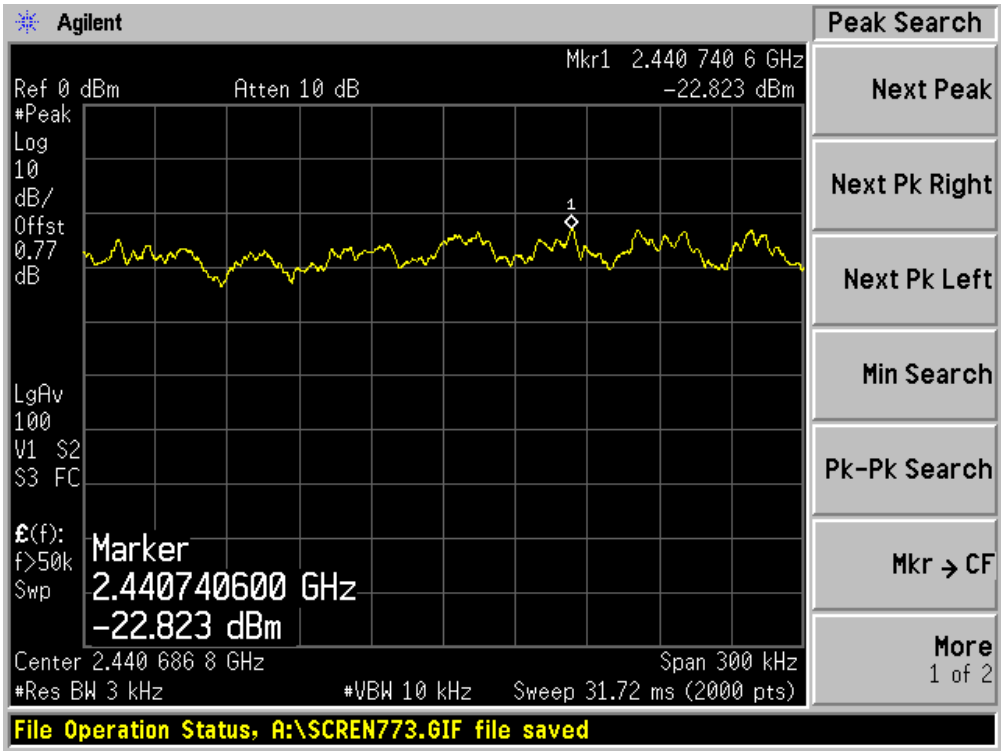
Channel 165 (5825MHz) – Chain B



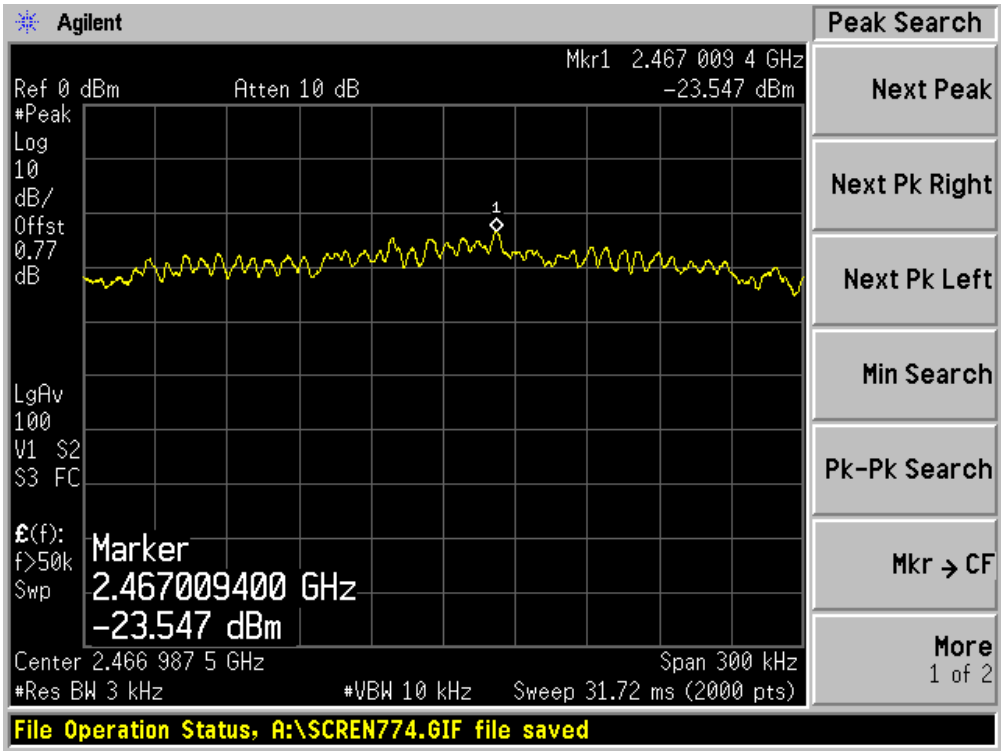
Channel 01 (2412MHz) – Chain C



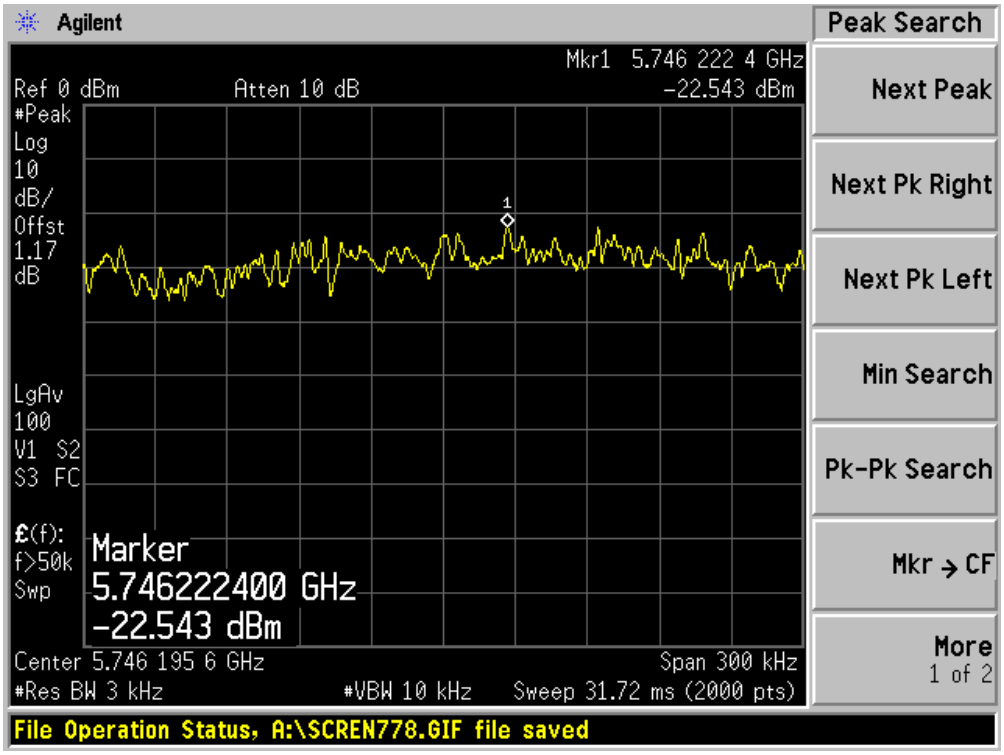
Channel 06 (2437MHz) – Chain C



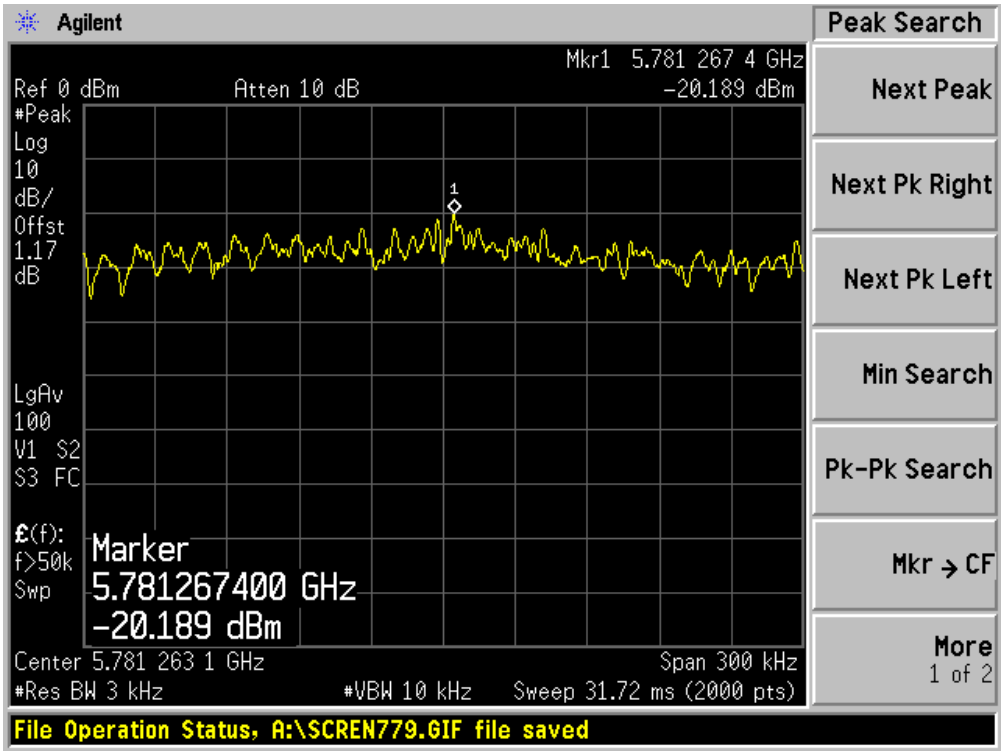
Channel 11 (2462MHz) – Chain C



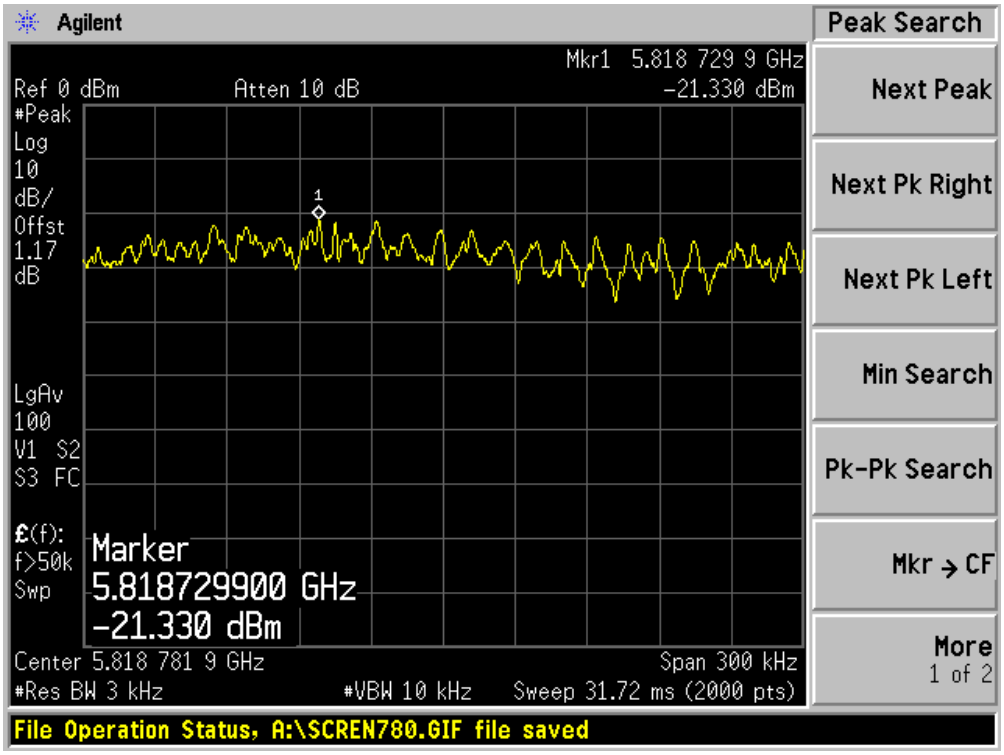
Channel 149 (5745MHz) – Chain C



Channel 157 (5785MHz) – Chain C



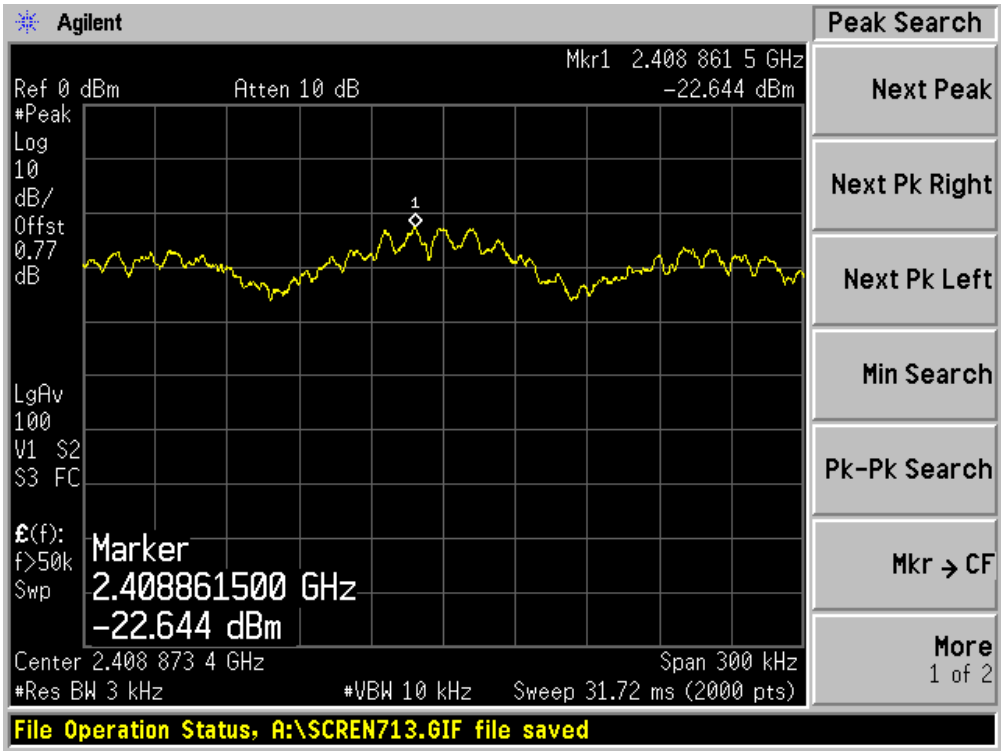
Channel 165 (5825MHz) – Chain C



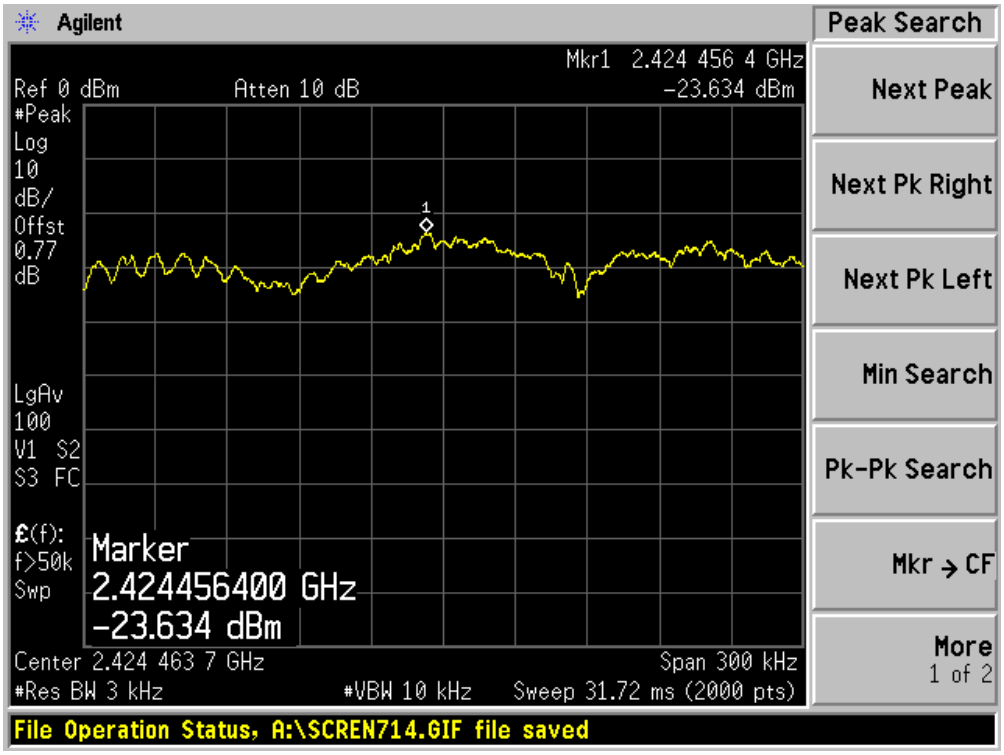
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	-22.644	-23.117	N/A	-19.86	8	Pass
06	2437	-23.634	-23.722	N/A	-20.67	8	Pass
09	2452	-22.581	-24.008	N/A	-20.23	8	Pass
151	5755	-20.404	-19.768	N/A	-17.06	8	Pass
159	5795	-21.455	-19.436	N/A	-17.32	8	Pass

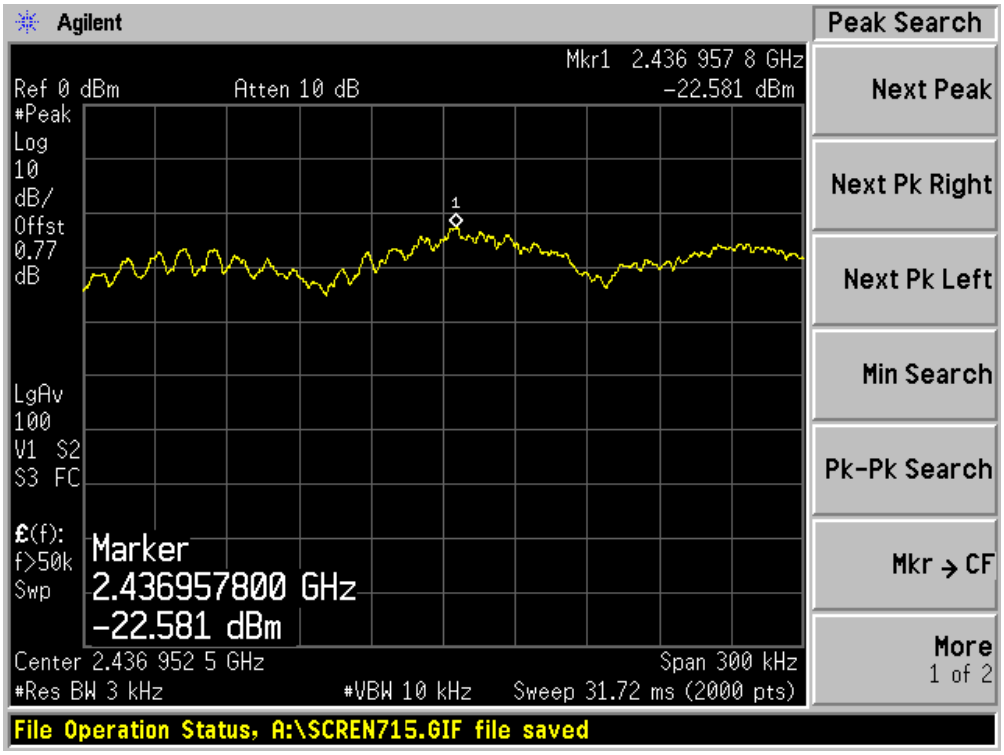
Channel 03 (2422MHz) – Chain A



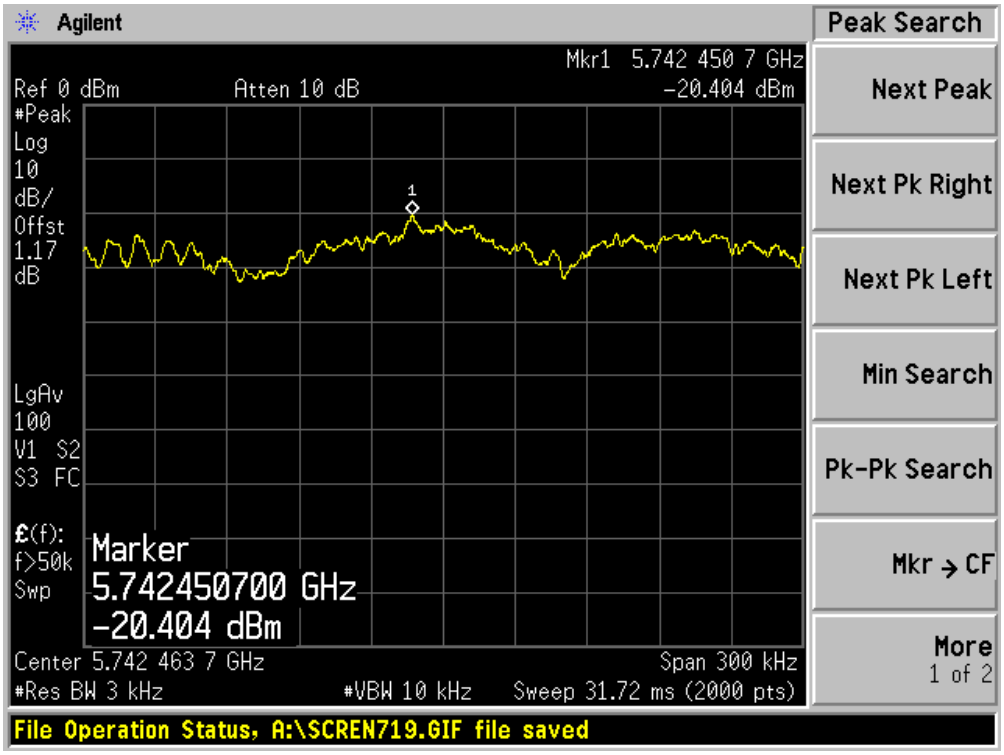
Channel 06 (2437MHz) – Chain A



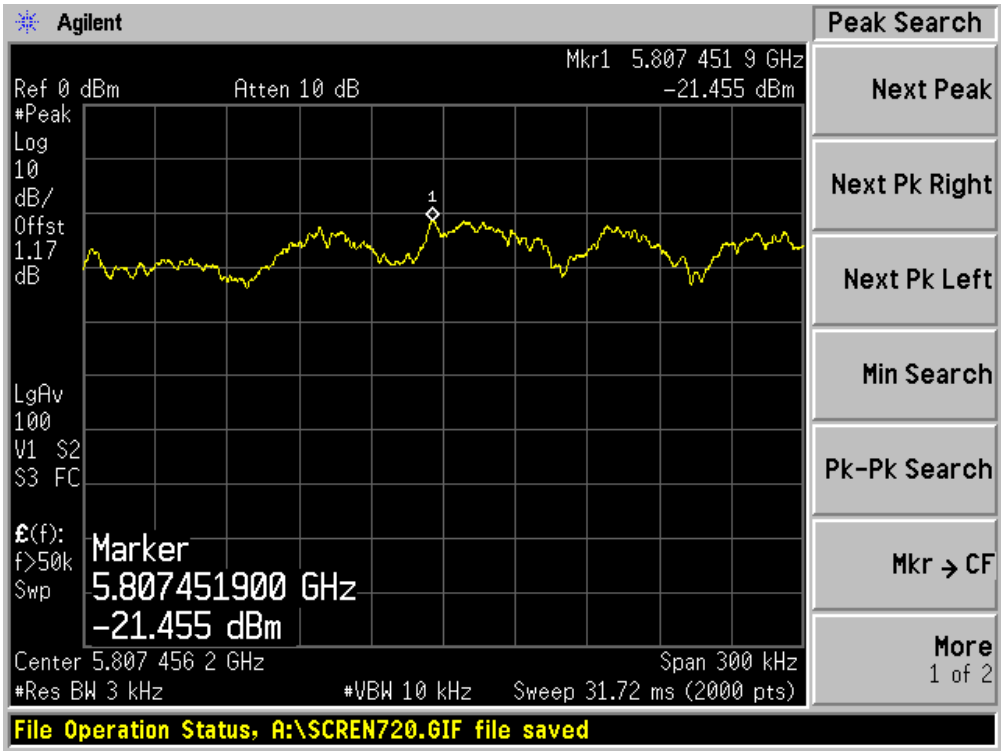
Channel 09 (2452MHz) – Chain A



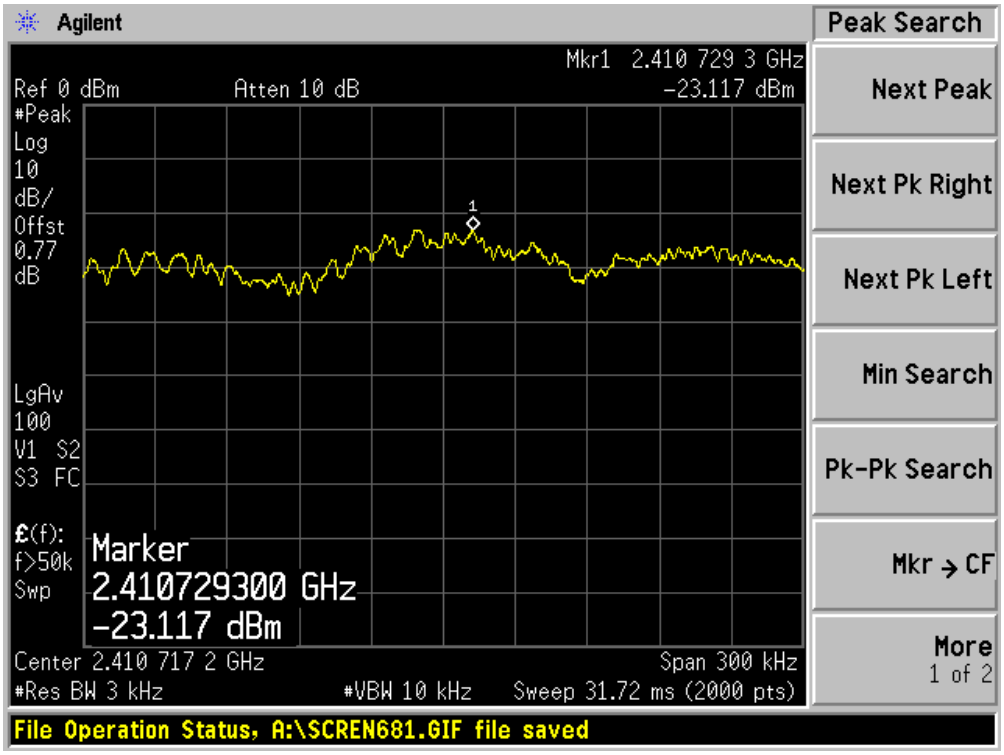
Channel 151 (5755MHz) – Chain A



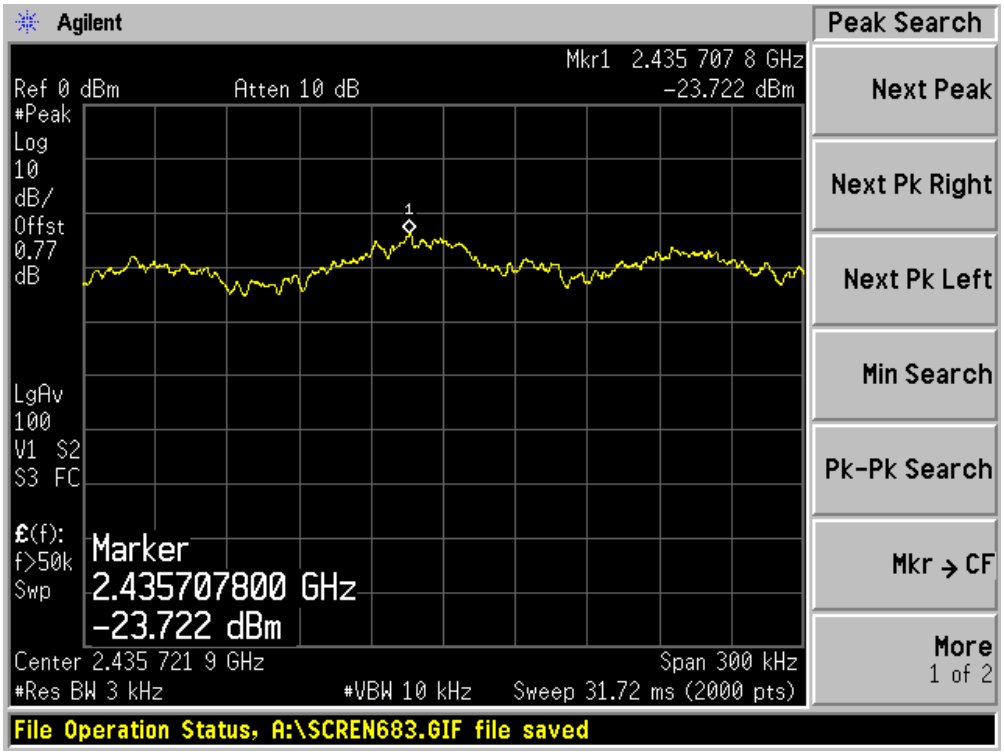
Channel 159 (5795MHz) – Chain A



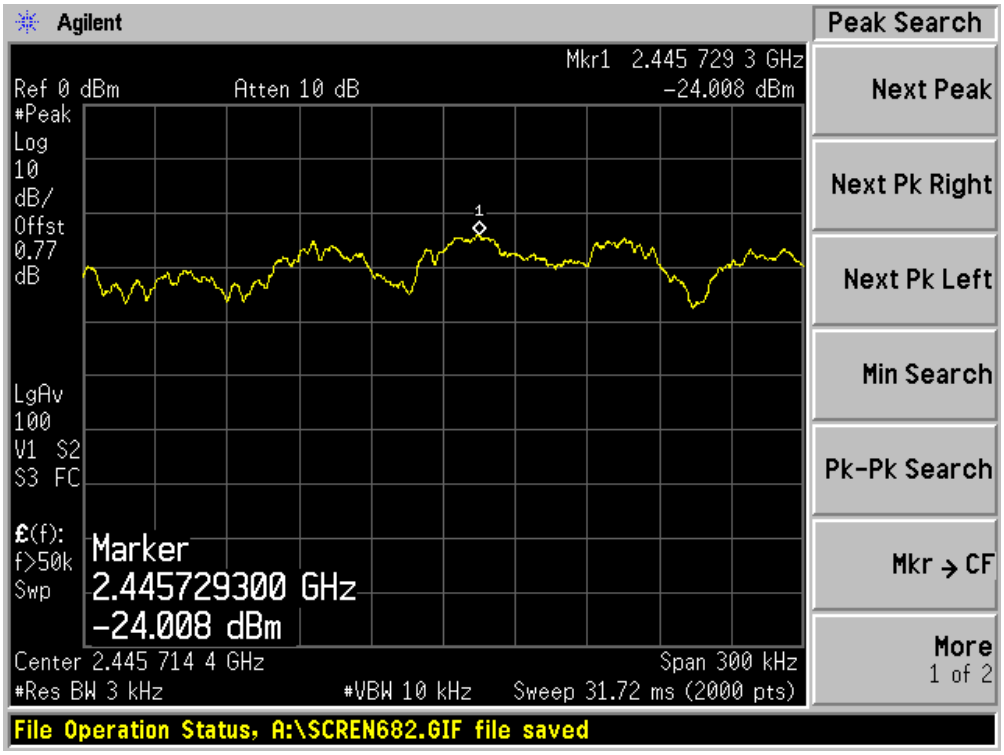
Channel 03 (2422MHz) – Chain B



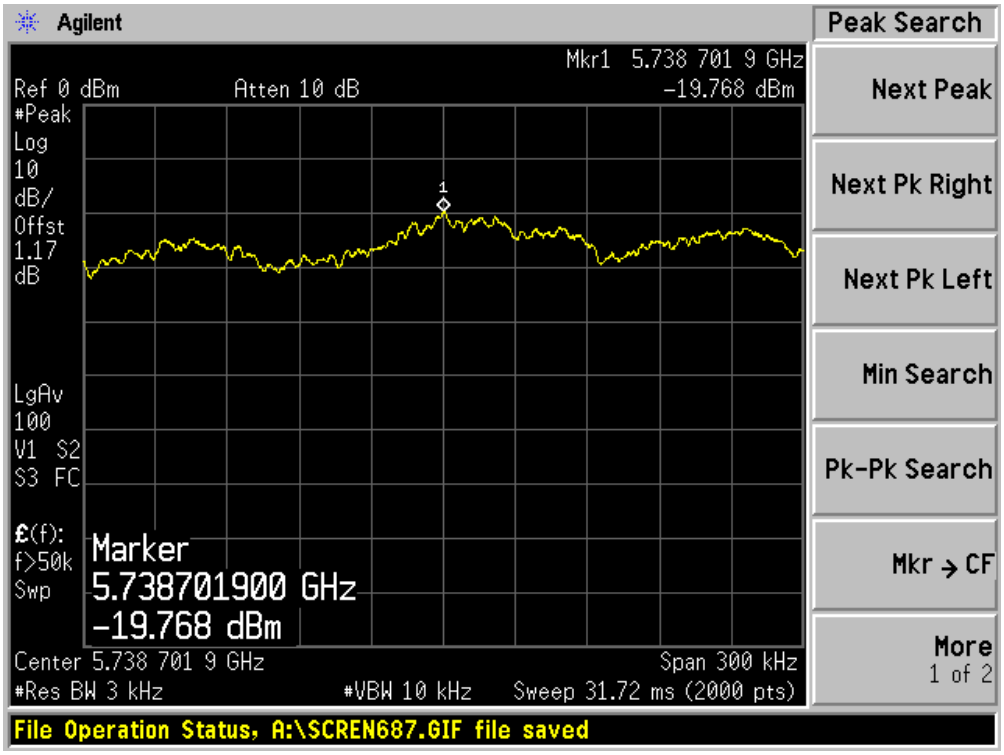
Channel 06 (2437MHz) – Chain B



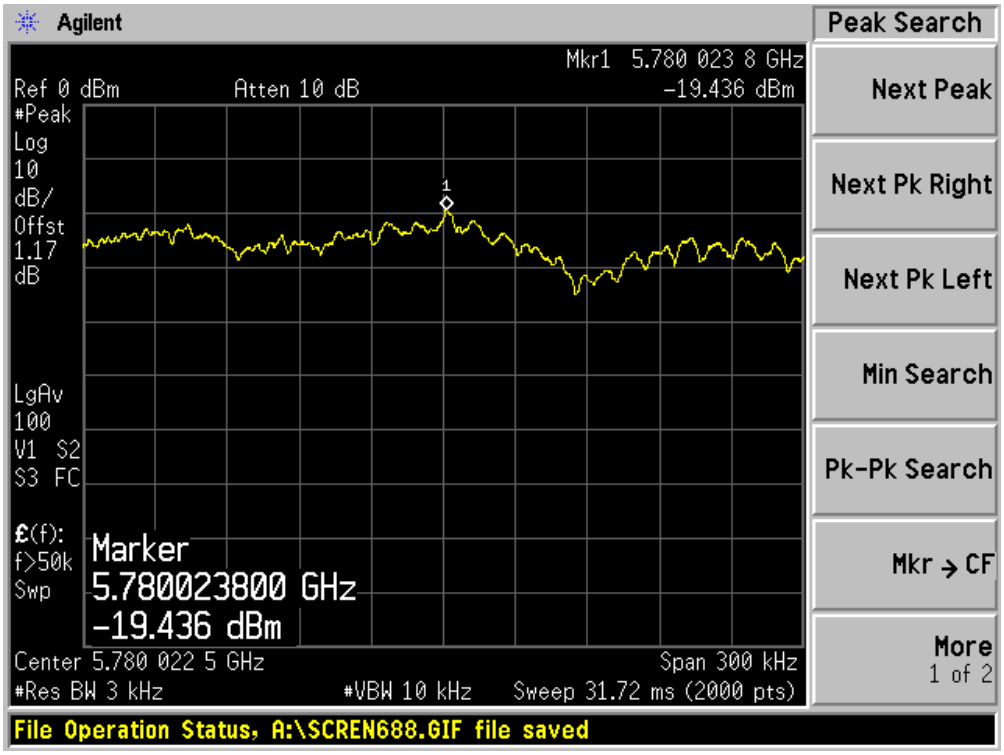
Channel 09 (2452MHz) – Chain B



Channel 151 (5755MHz) – Chain B



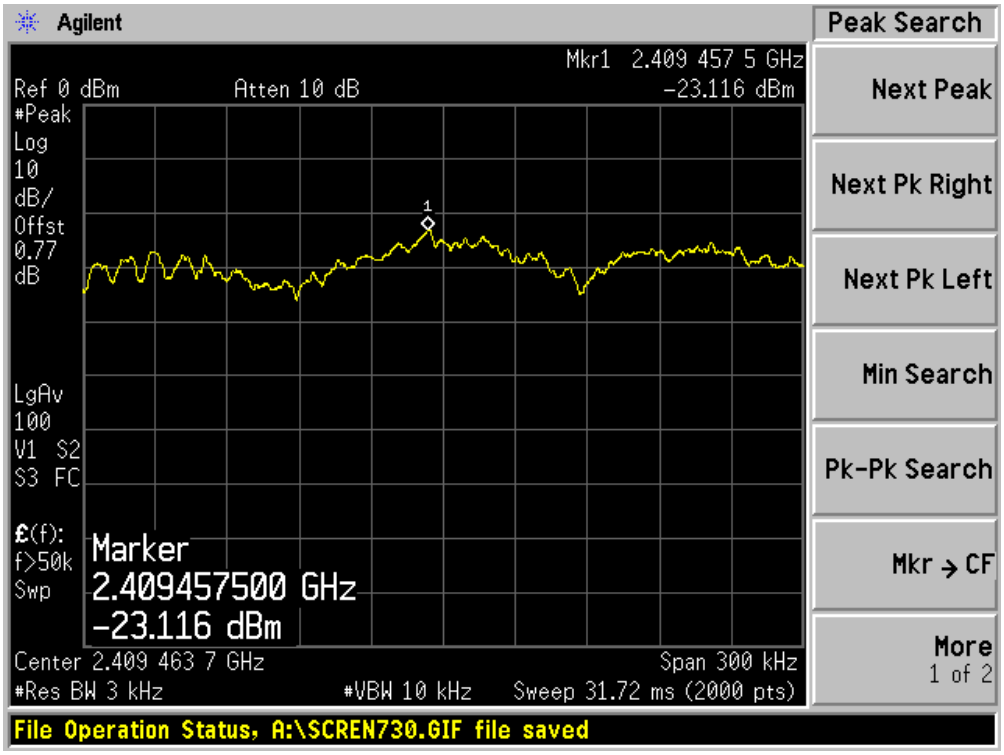
Channel 159 (5795MHz) – Chain B



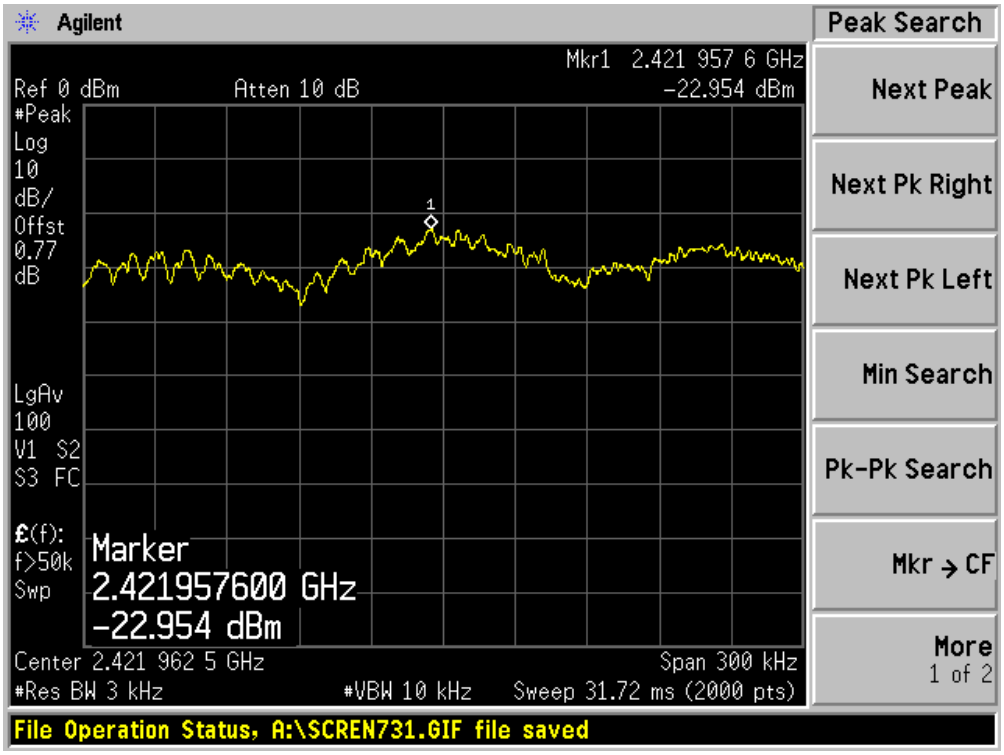
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	-23.116	N/A	-25.041	-20.96	8	Pass
06	2437	-22.954	N/A	-22.884	-19.91	8	Pass
09	2452	-22.771	N/A	-22.890	-19.82	8	Pass
151	5755	-23.361	N/A	-21.497	-19.32	8	Pass
159	5795	-20.498	N/A	-23.010	-18.56	8	Pass

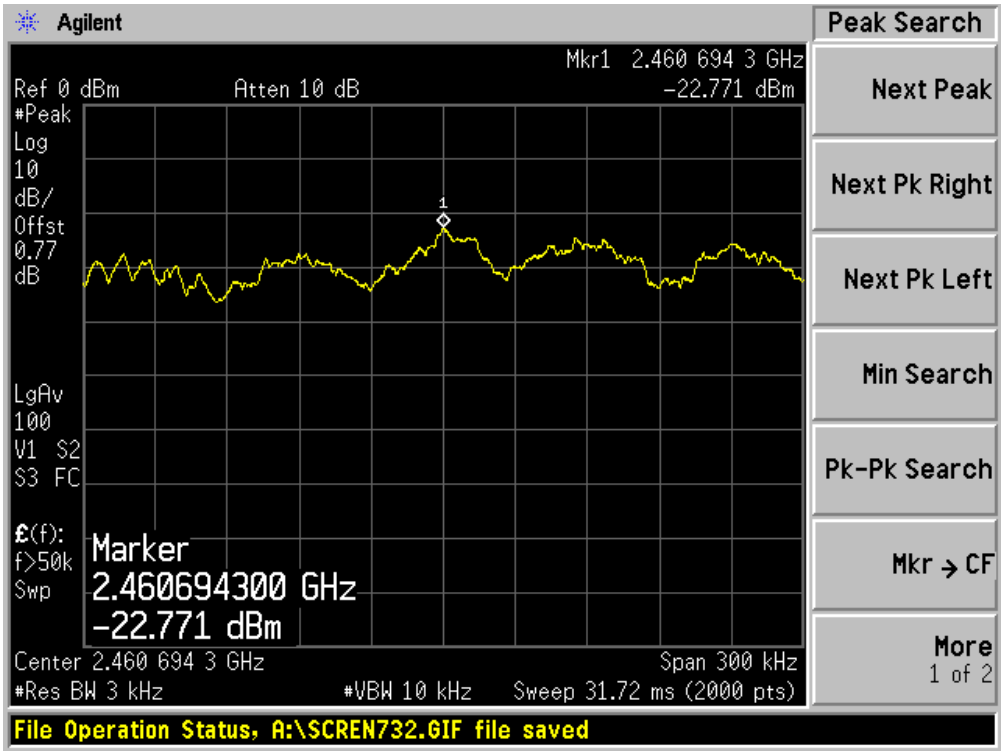
Channel 03 (2422MHz) – Chain A



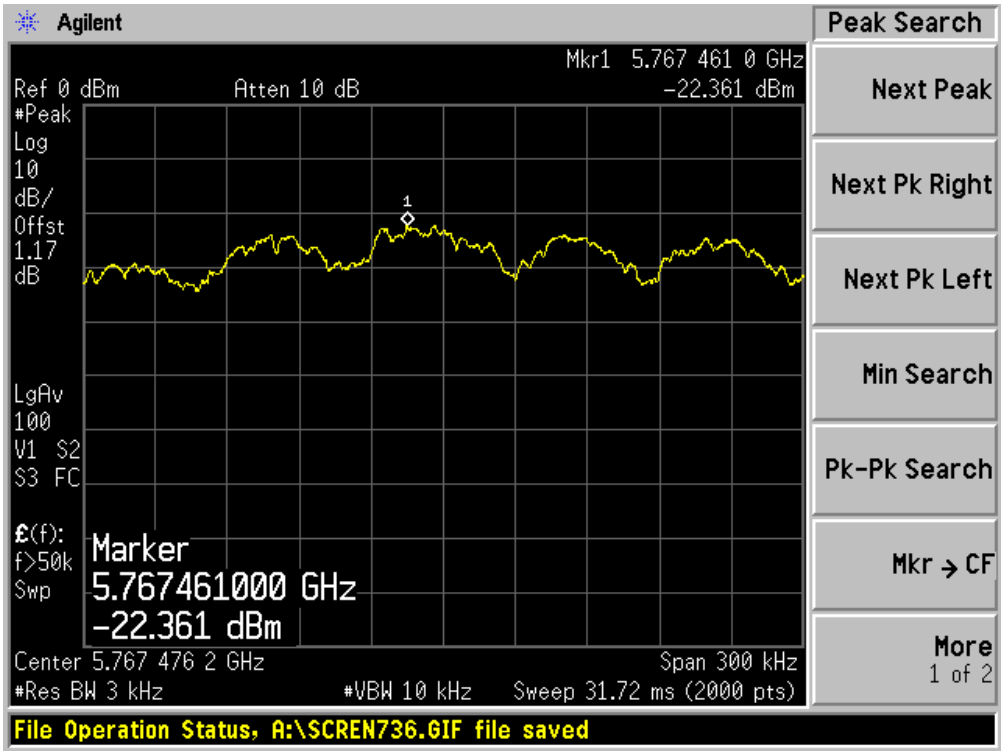
Channel 06 (2437MHz) – Chain A



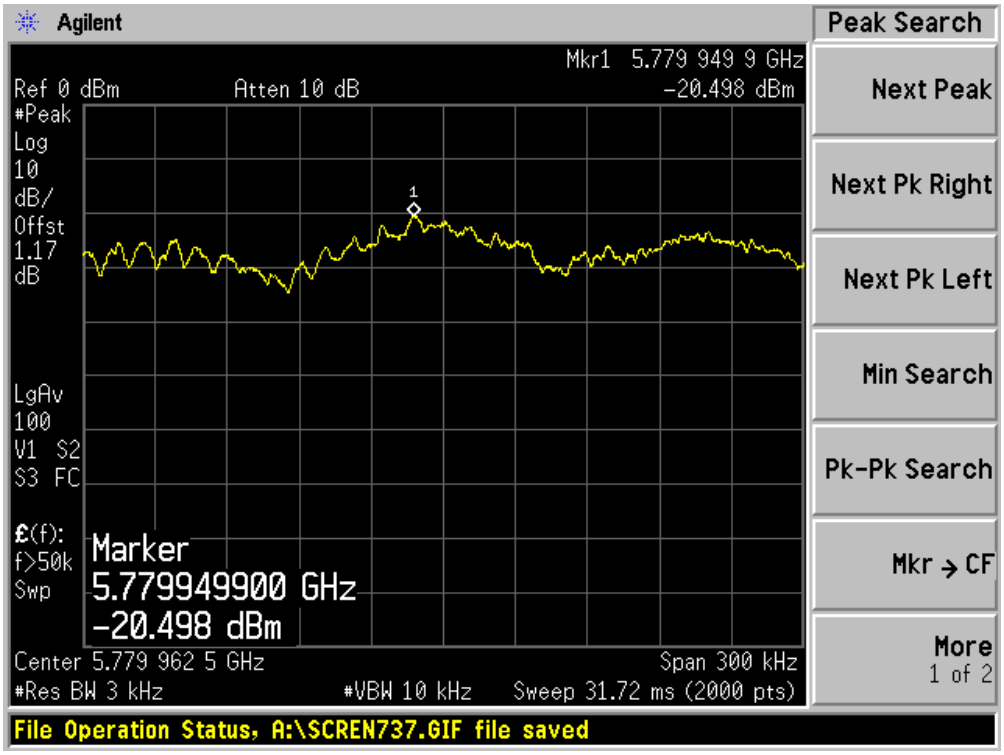
Channel 09 (2452MHz) – Chain A



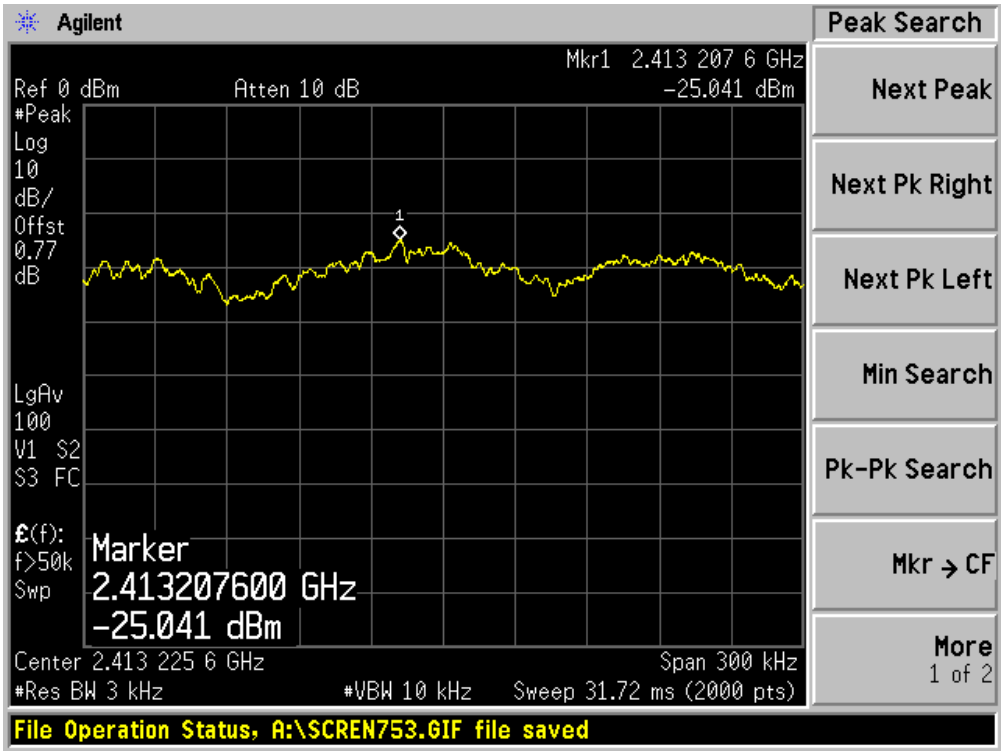
Channel 151 (5755MHz) – Chain A



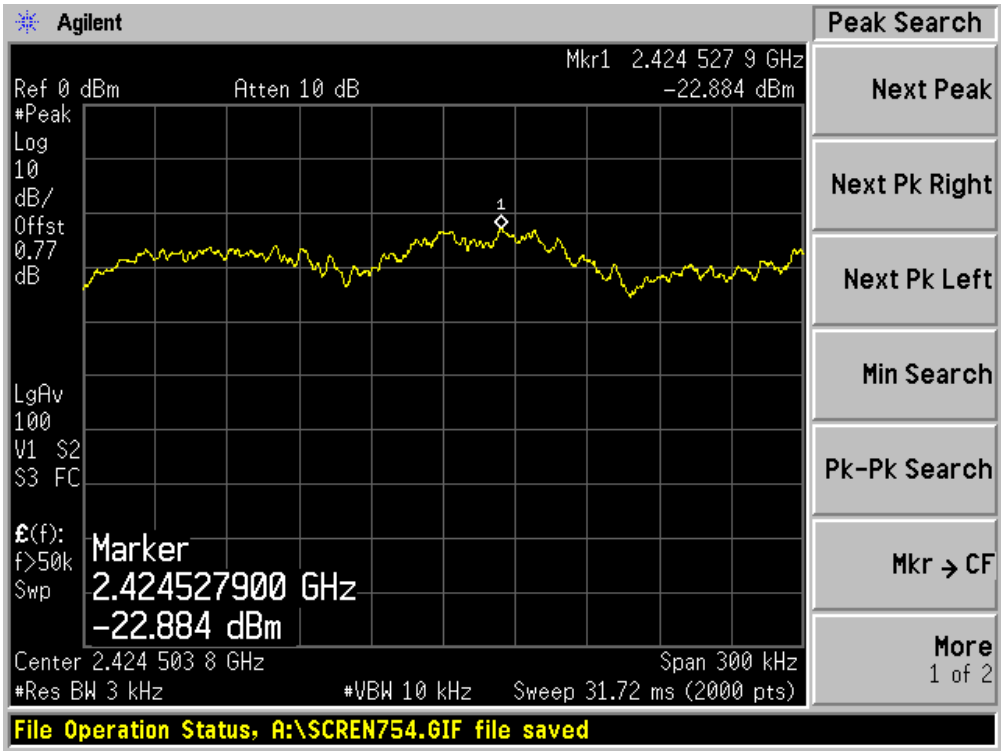
Channel 159 (5795MHz) – Chain A



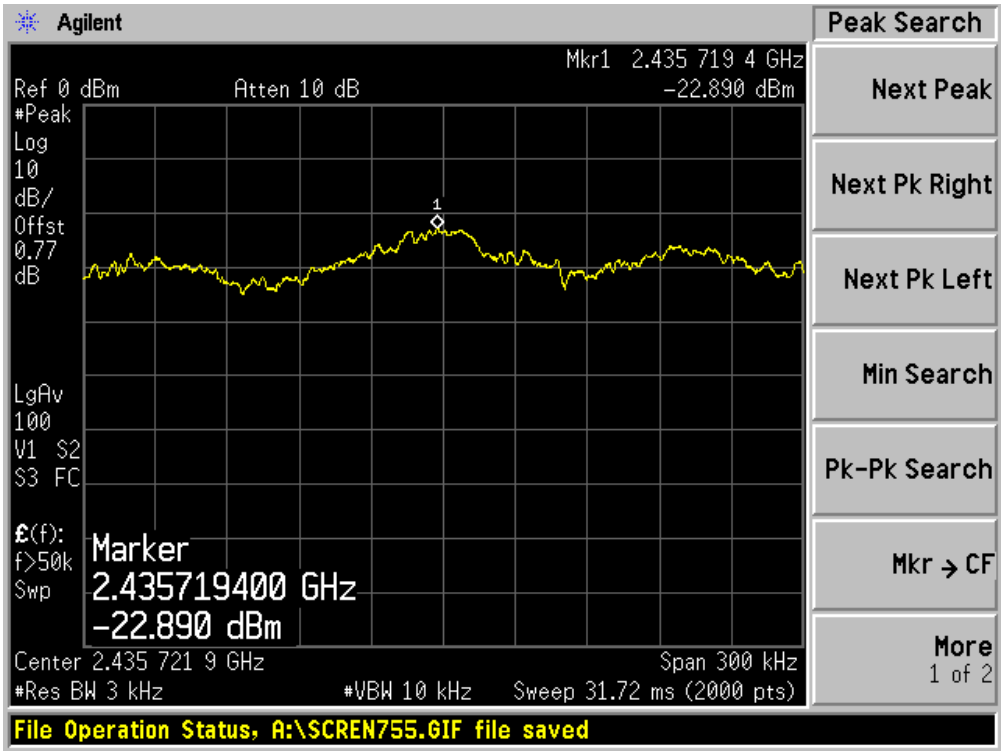
Channel 03 (2422MHz) – Chain C



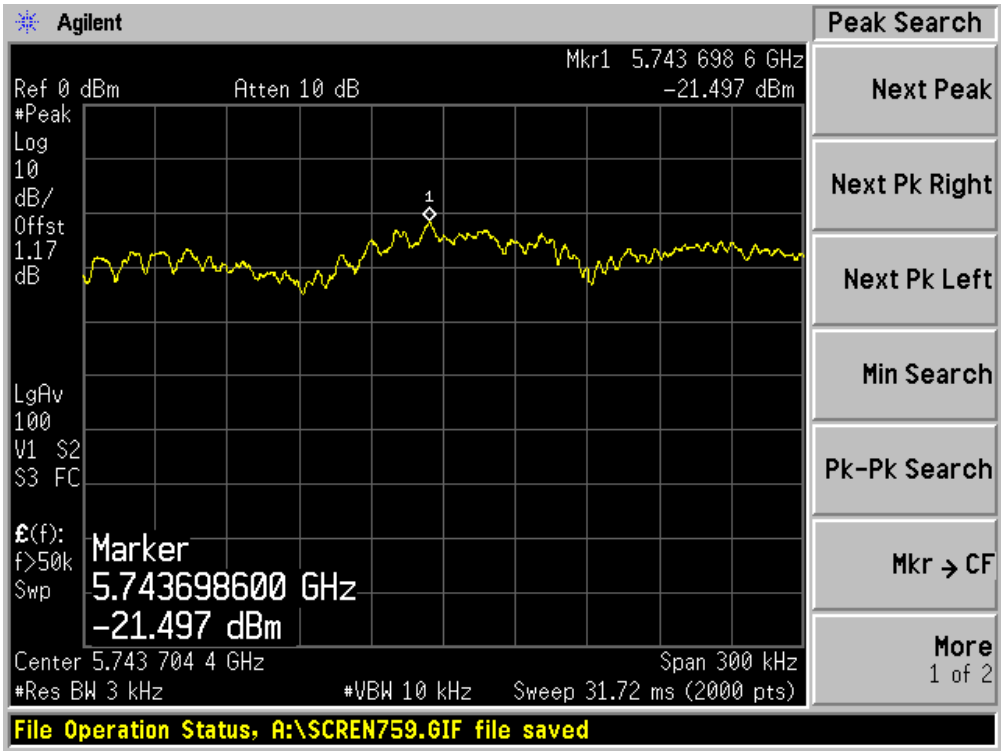
Channel 06 (2437MHz) – Chain C



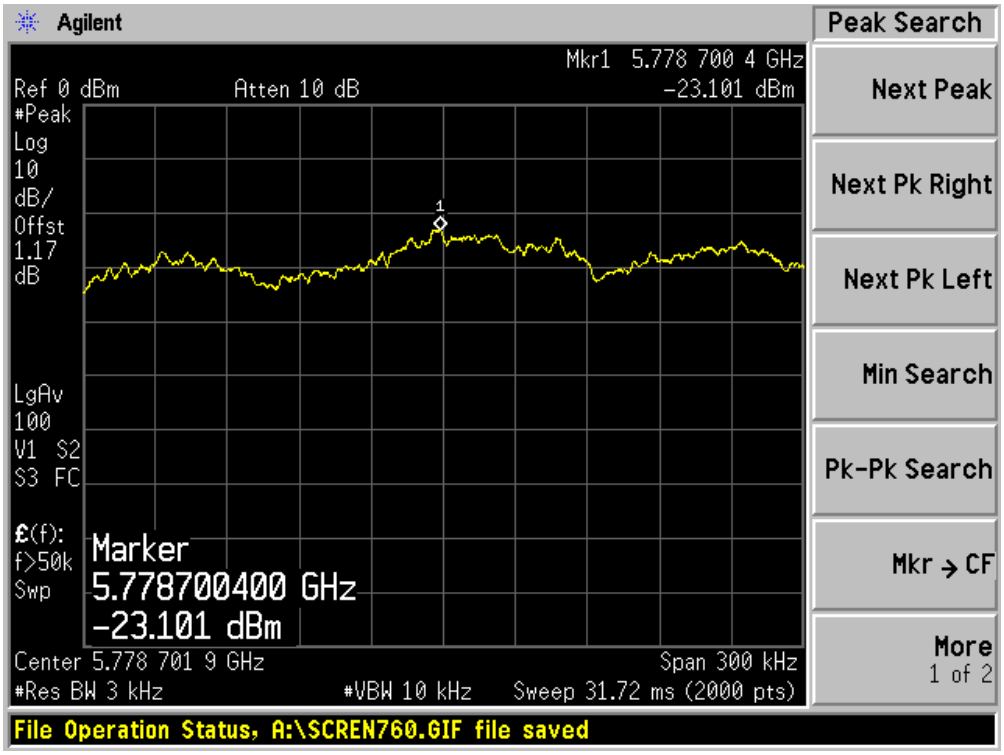
Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



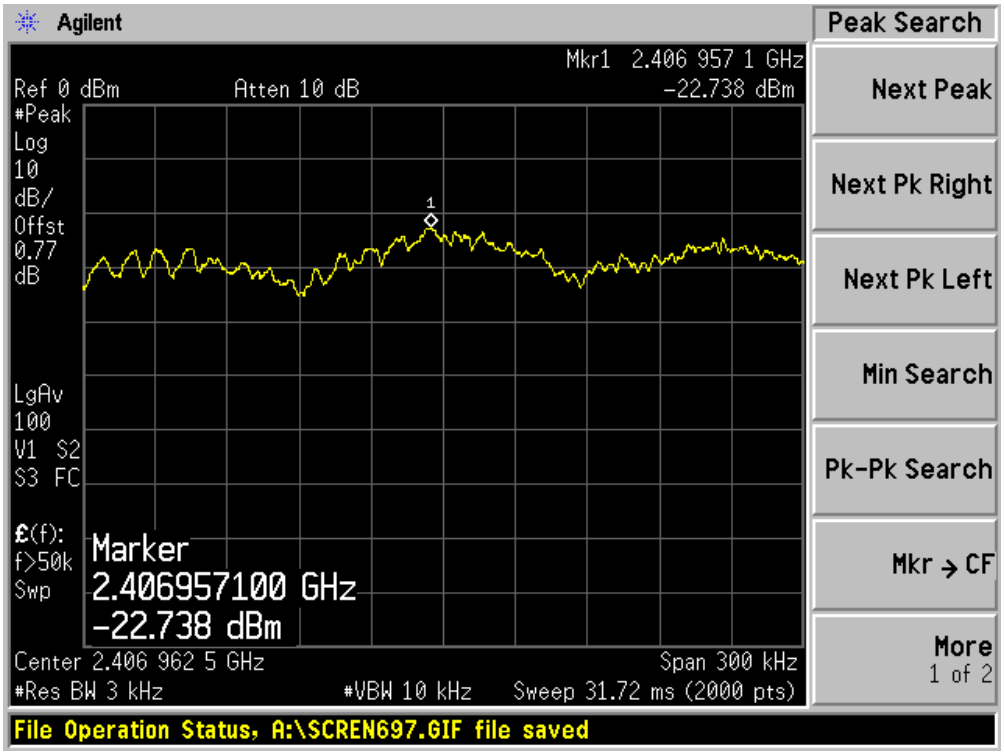
Channel 159 (5795MHz) – Chain C



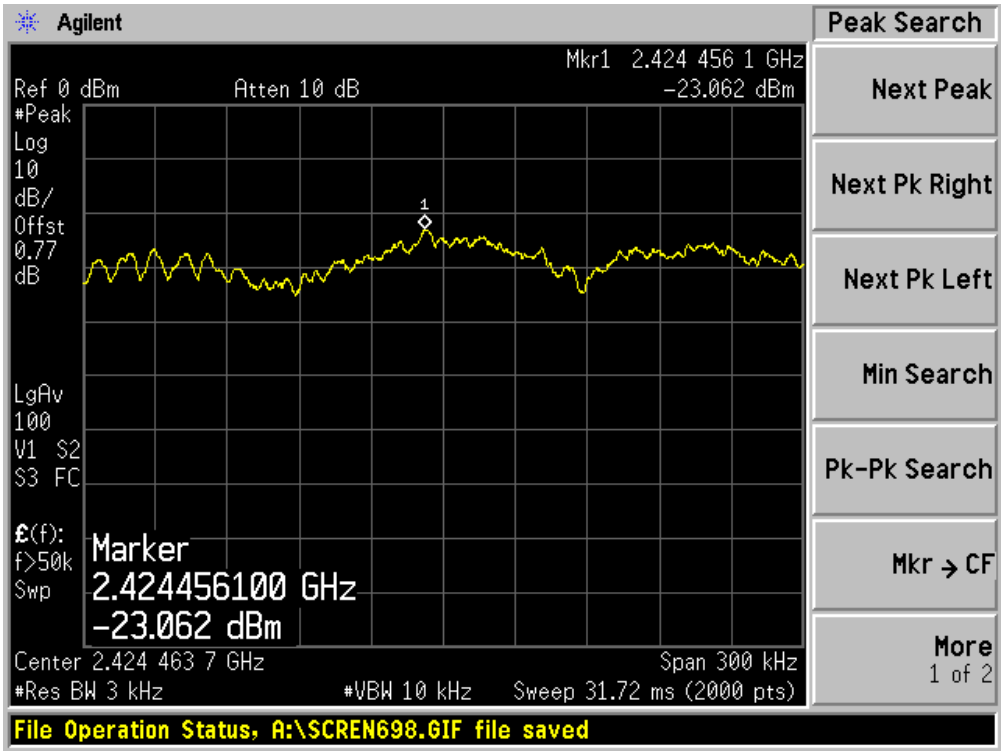
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain B+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	N/A	-22.738	-23.143	-19.93	8	Pass
06	2437	N/A	-23.062	-22.004	-19.49	8	Pass
09	2452	N/A	-23.503	-23.031	-20.25	8	Pass
151	5755	N/A	-16.833	-23.384	-15.96	8	Pass
159	5795	N/A	-25.637	-22.763	-20.96	8	Pass

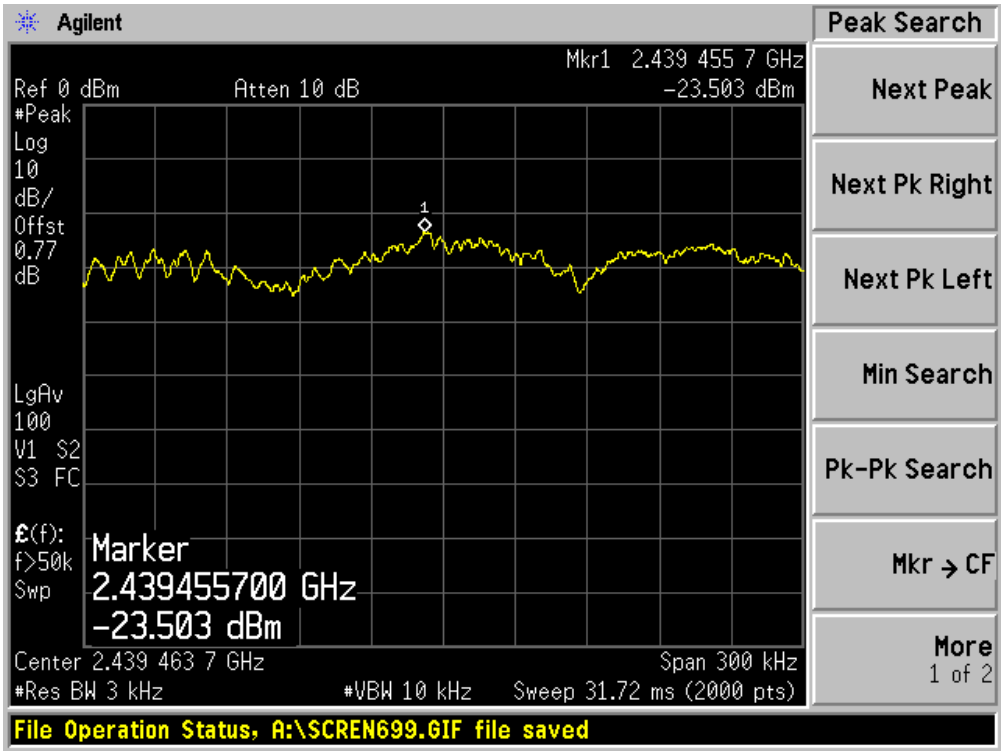
Channel 03 (2422MHz) – Chain B



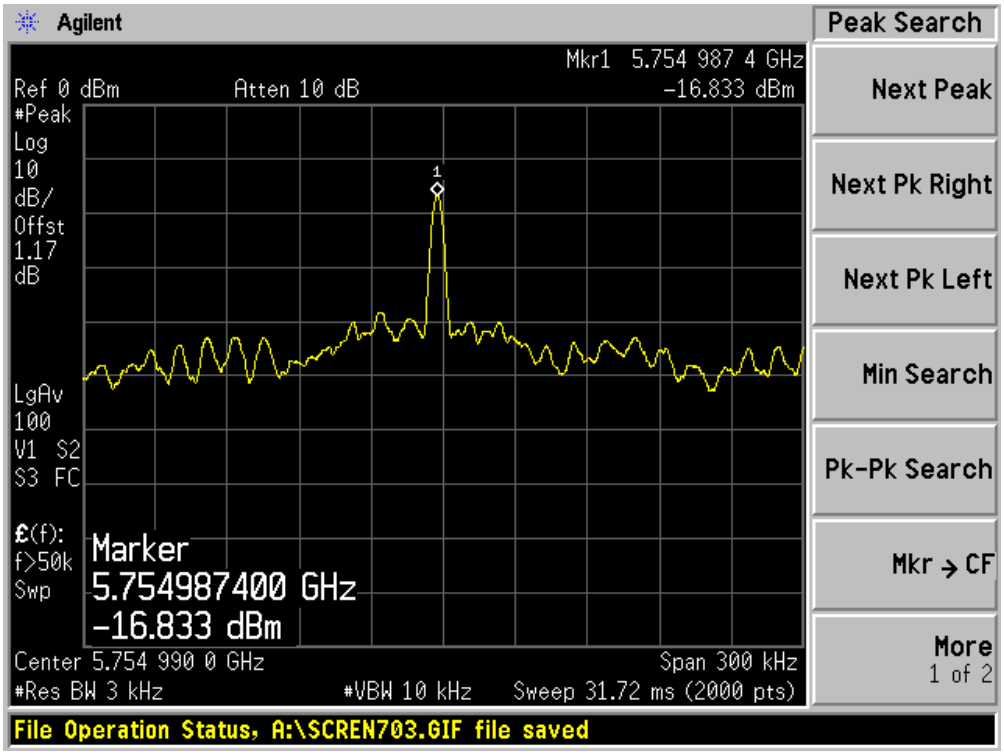
Channel 06 (2437MHz) – Chain B



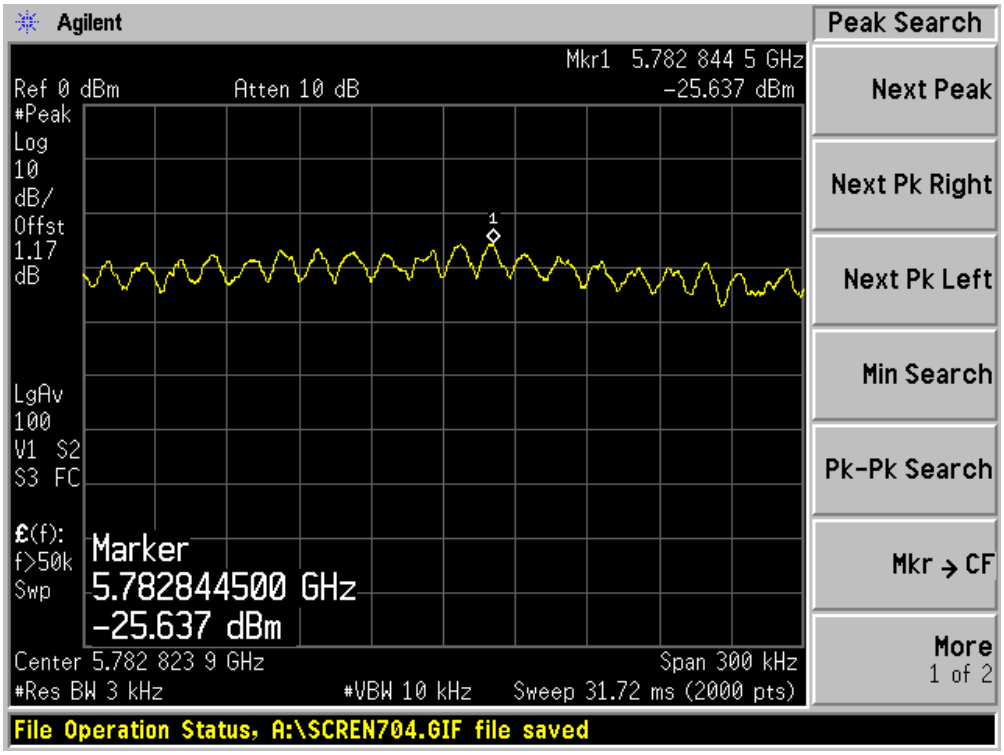
Channel 09 (2452MHz) – Chain B



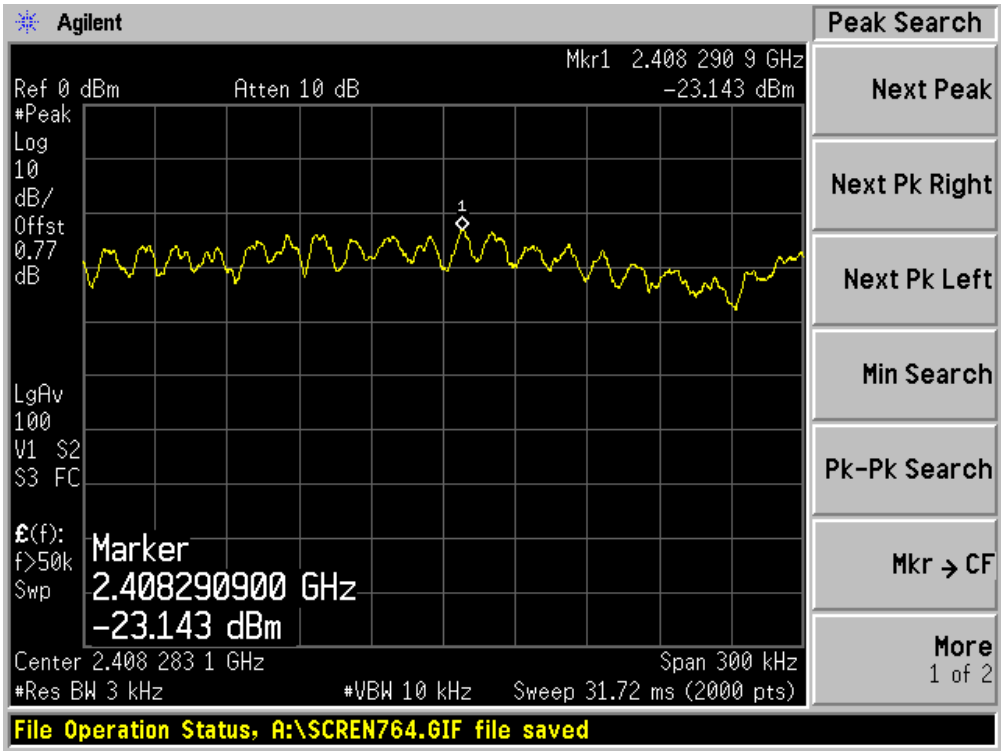
Channel 151 (5755MHz) – Chain B



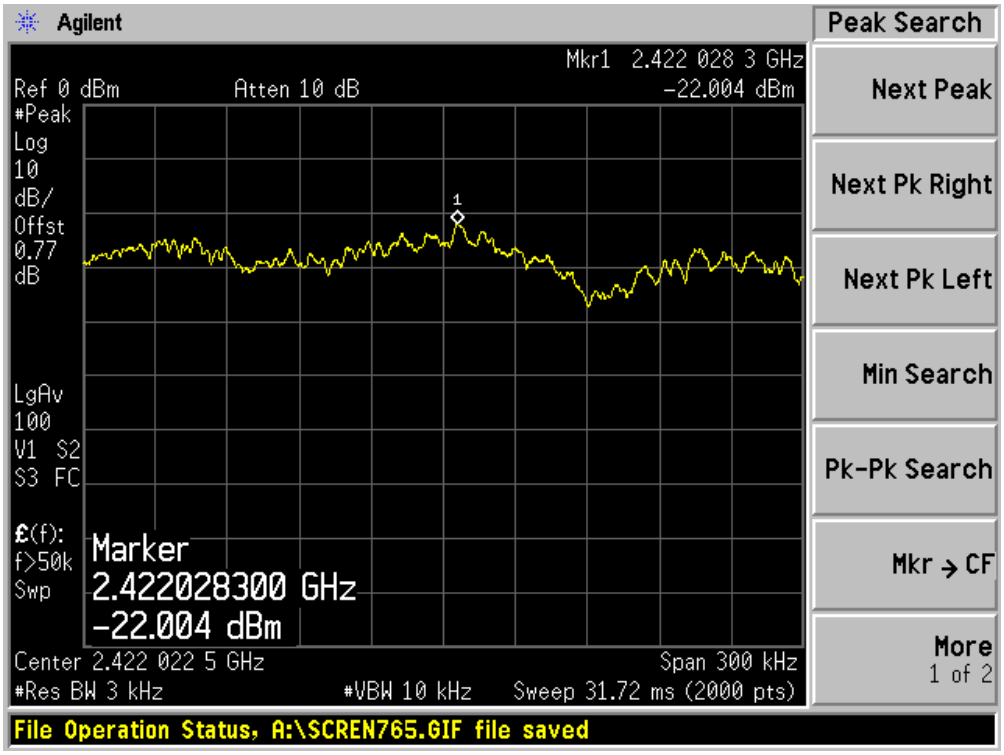
Channel 159 (5795MHz) – Chain B



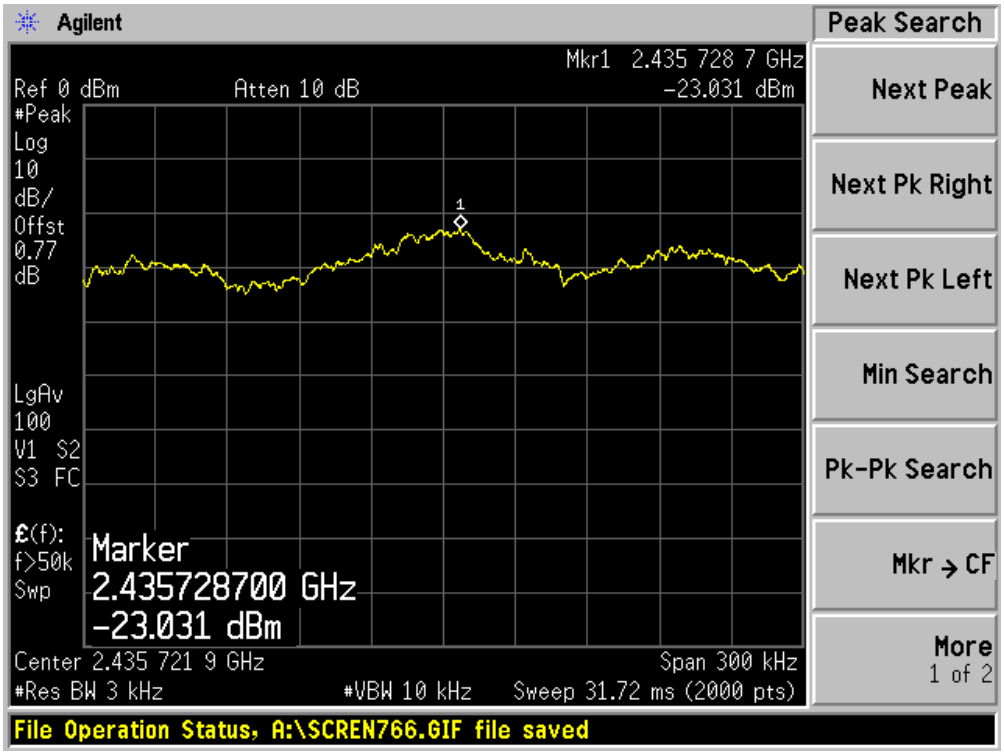
Channel 03 (2422MHz) – Chain C



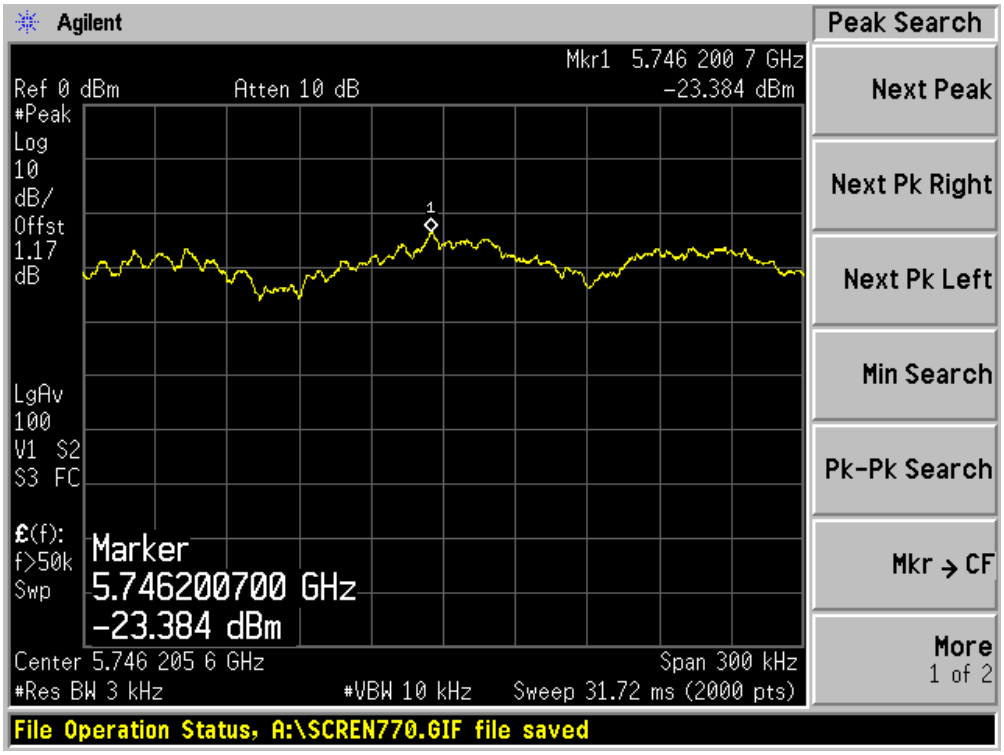
Channel 06 (2437MHz) – Chain C



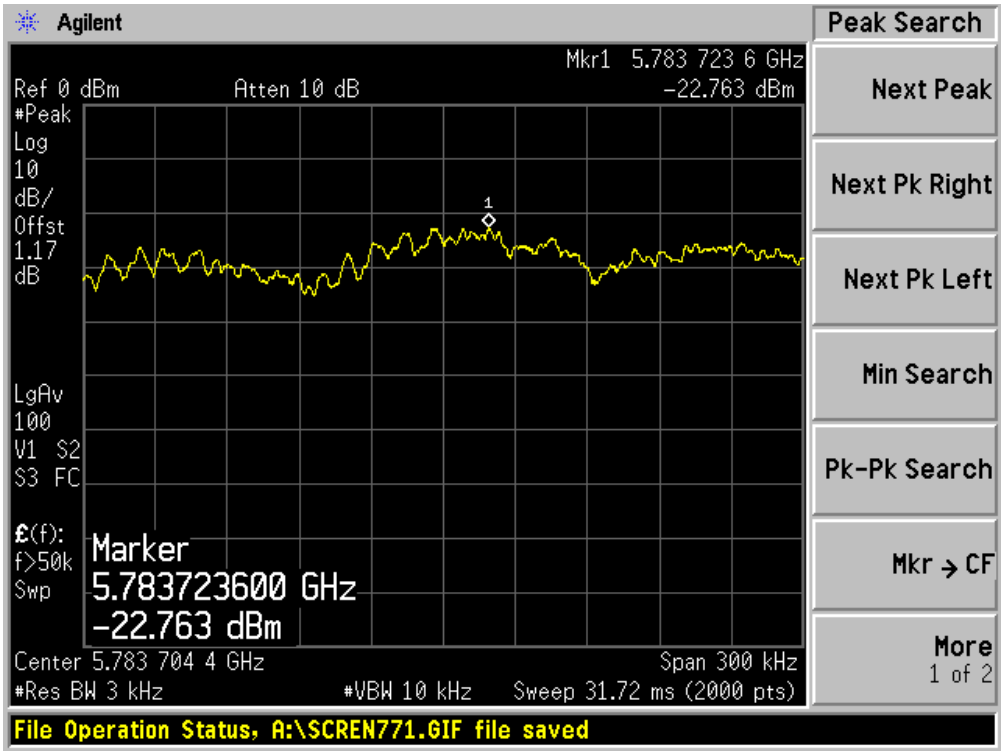
Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



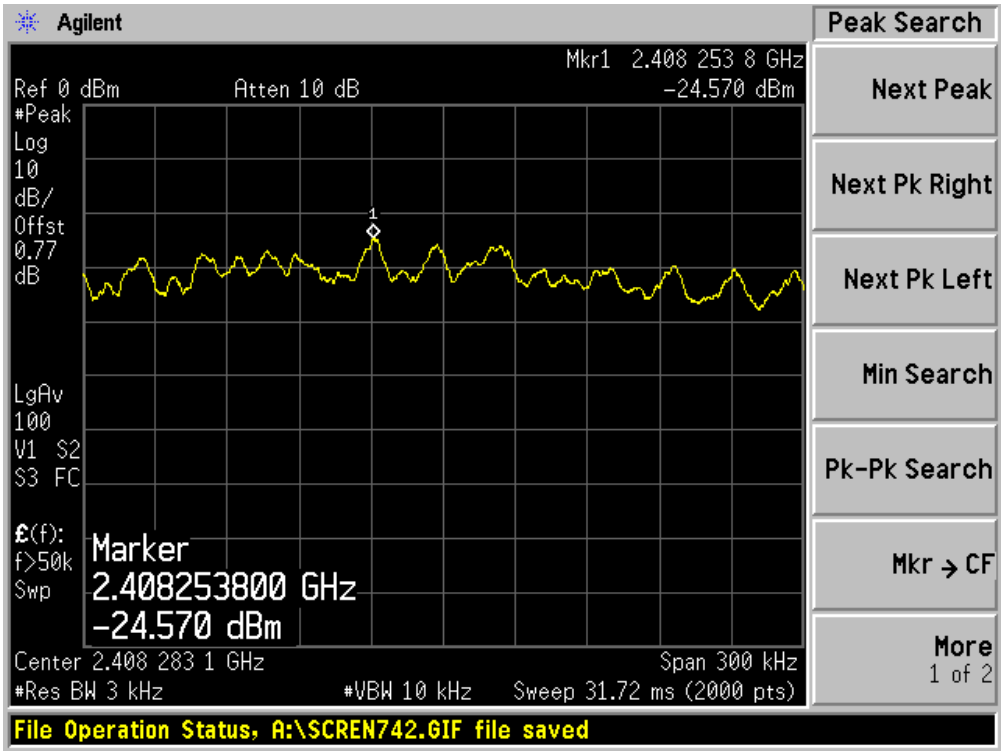
Channel 159 (5795MHz) – Chain C



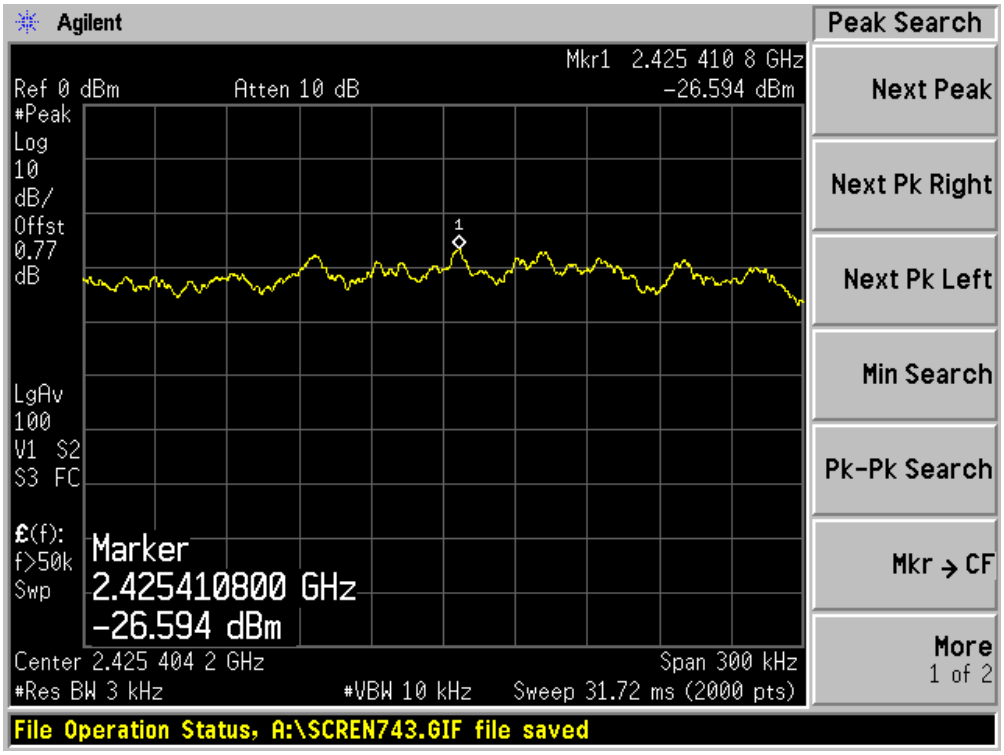
Product	:	Notebook Computer
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain A+B+C)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)			Total PPSD (dBm)	Limit (dBm)	Result
		Chain A	Chain B	Chain C			
03	2422	-24.570	-16.128	-24.688	-15.05	8	Pass
06	2437	-26.594	-17.431	-24.688	-16.26	8	Pass
09	2452	-26.128	-16.368	-26.128	-15.54	8	Pass
151	5755	-21.622	-21.945	-19.297	-16.02	8	Pass
159	5795	-21.858	-23.011	-20.445	-16.87	8	Pass

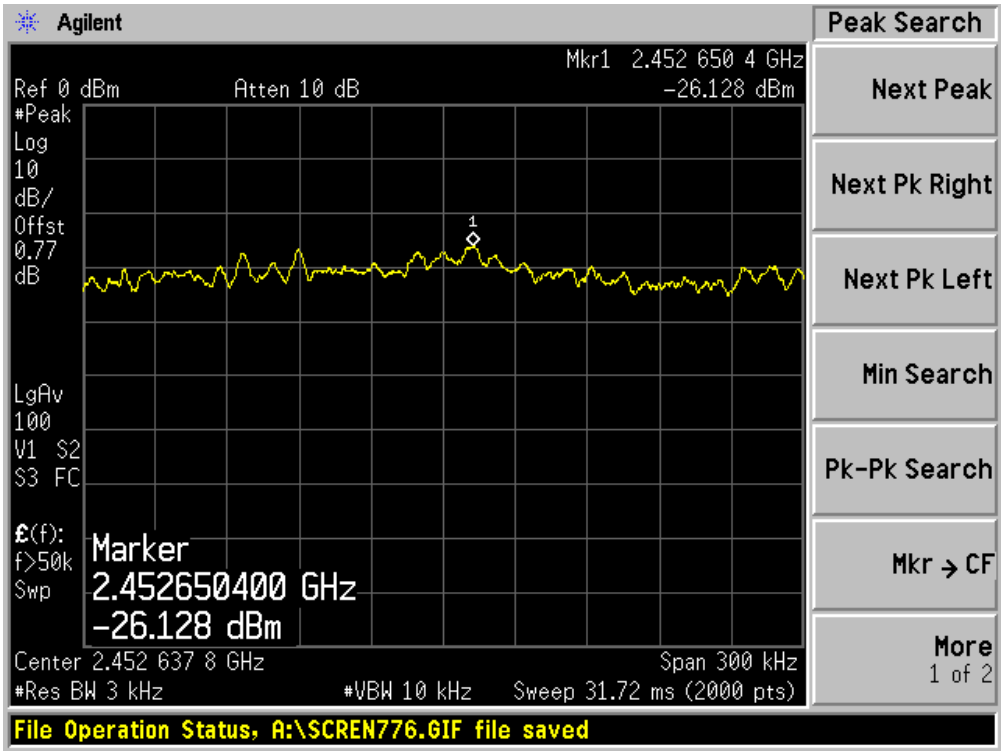
Channel 03 (2422MHz) – Chain A



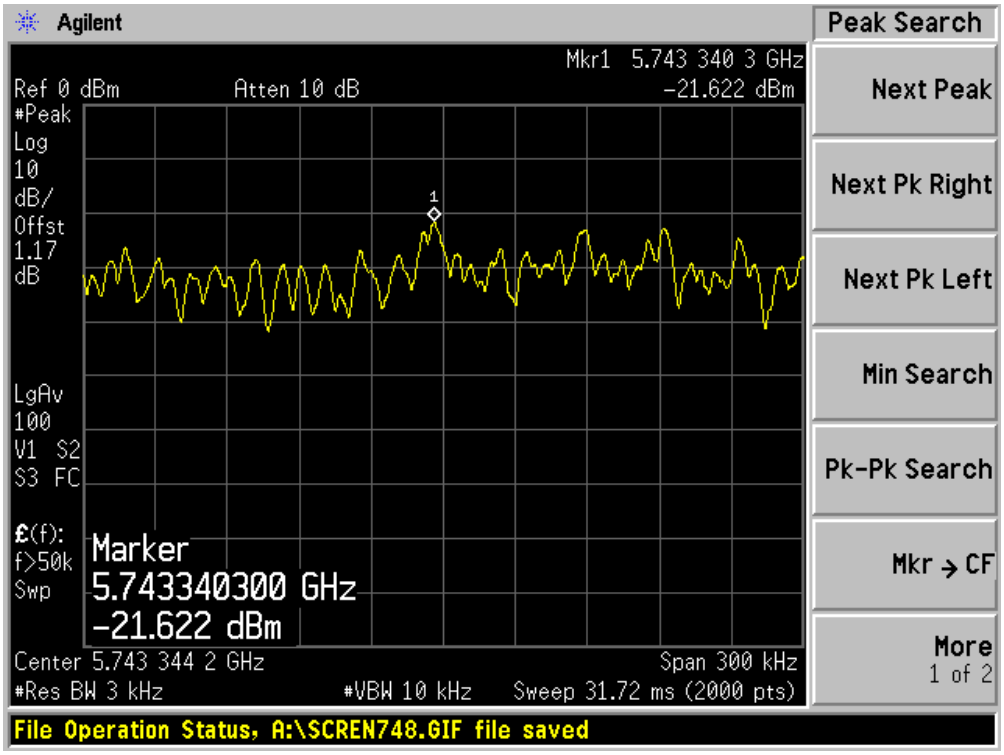
Channel 06 (2437MHz) – Chain A



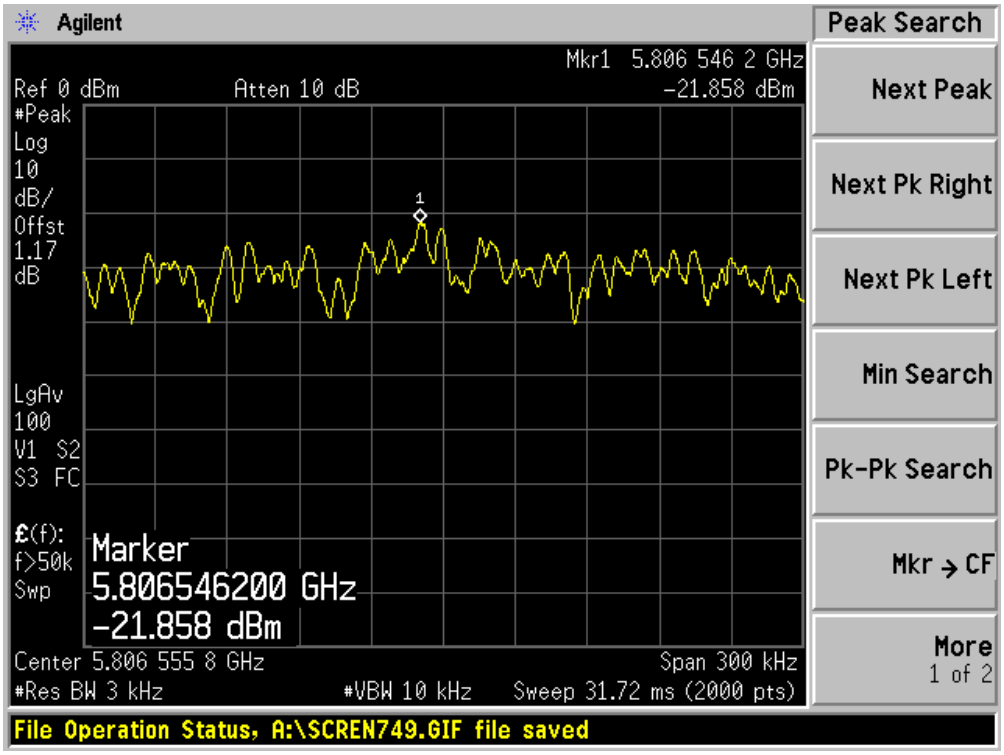
Channel 09 (2452MHz) – Chain A



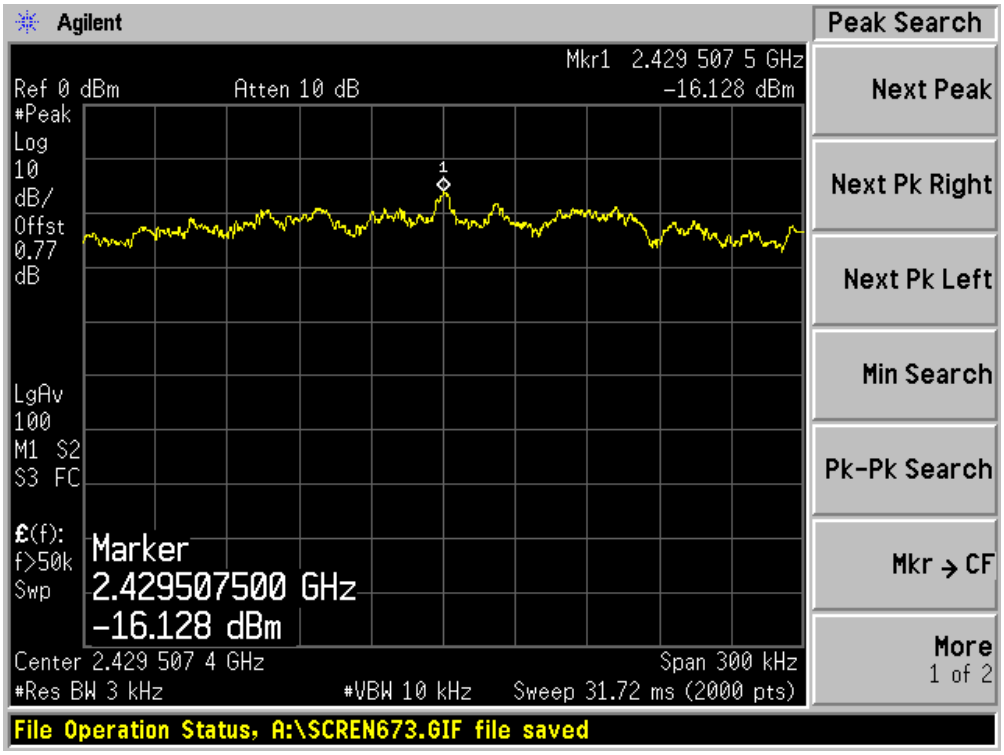
Channel 151 (5755MHz) – Chain A



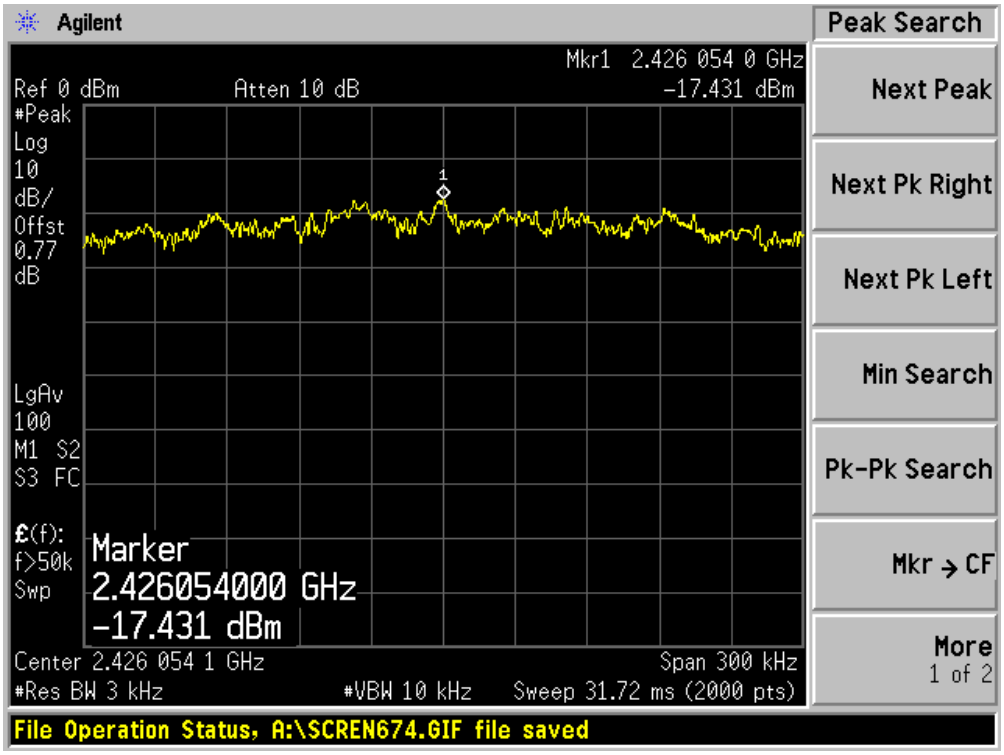
Channel 159 (5795MHz) – Chain A



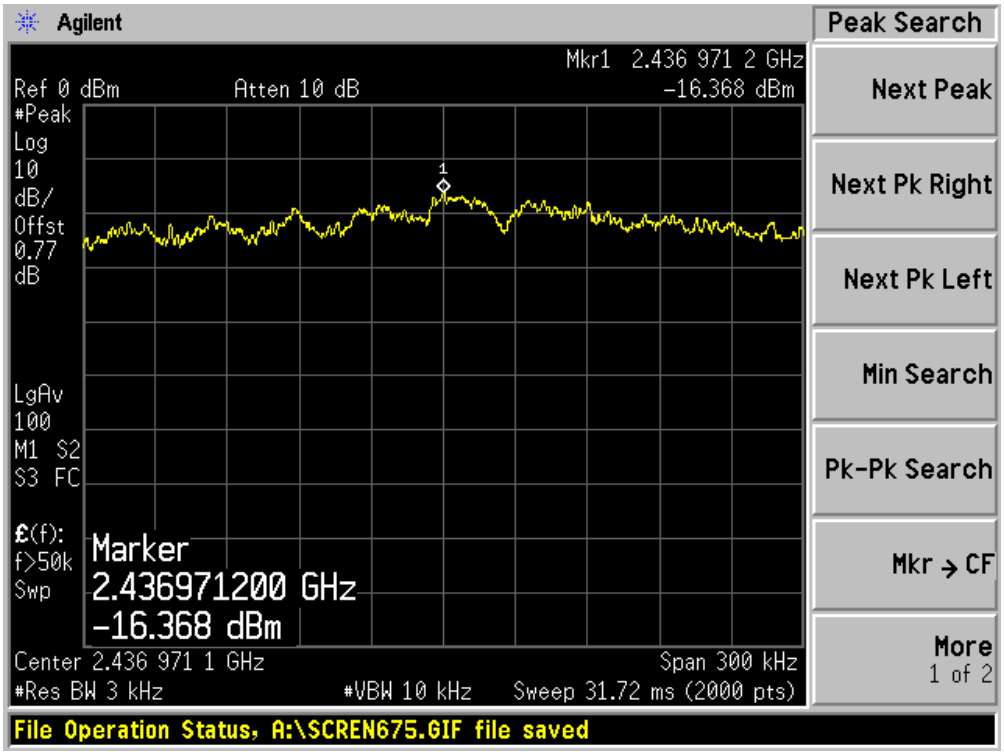
Channel 03 (2422MHz) – Chain B



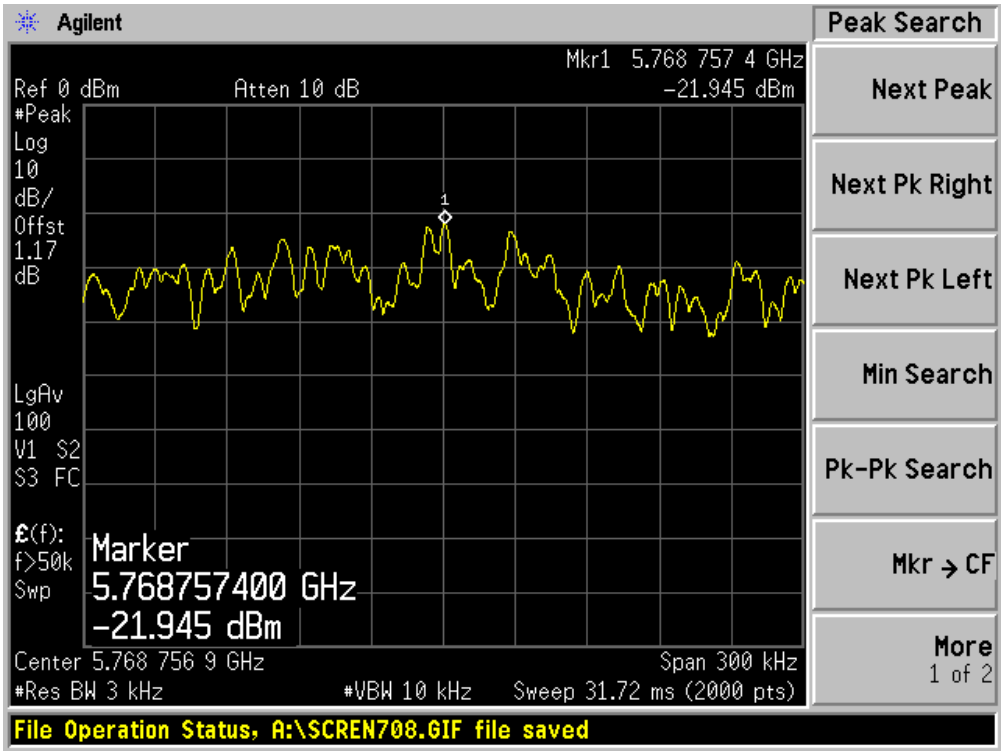
Channel 06 (2437MHz) – Chain B



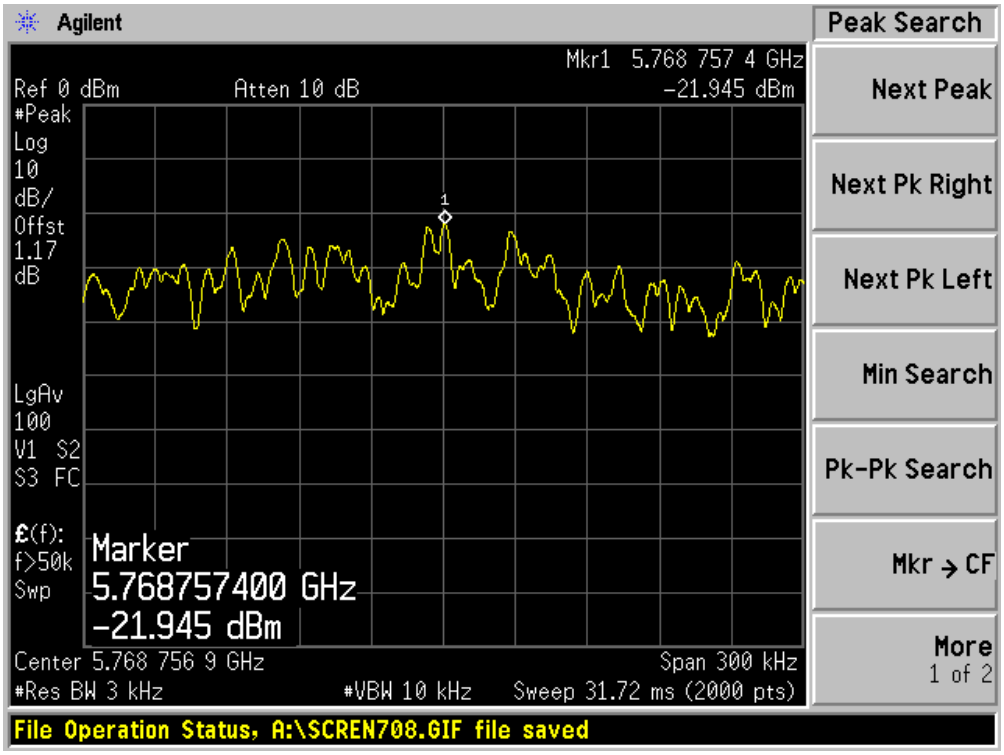
Channel 09 (2452MHz) – Chain B



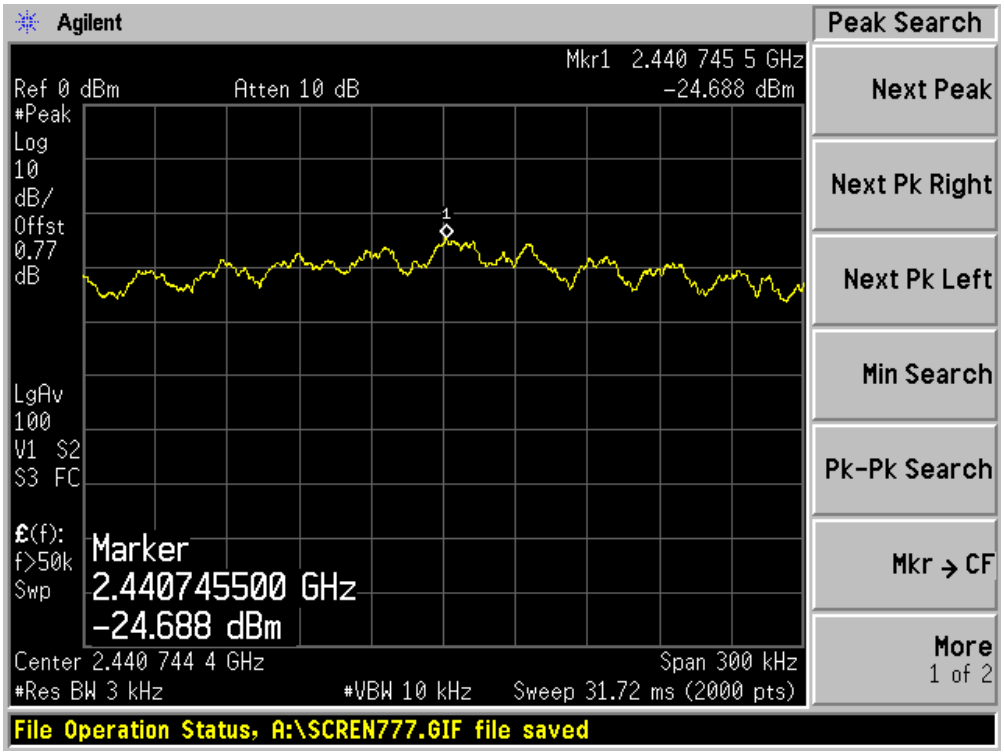
Channel 151 (5755MHz) – Chain B



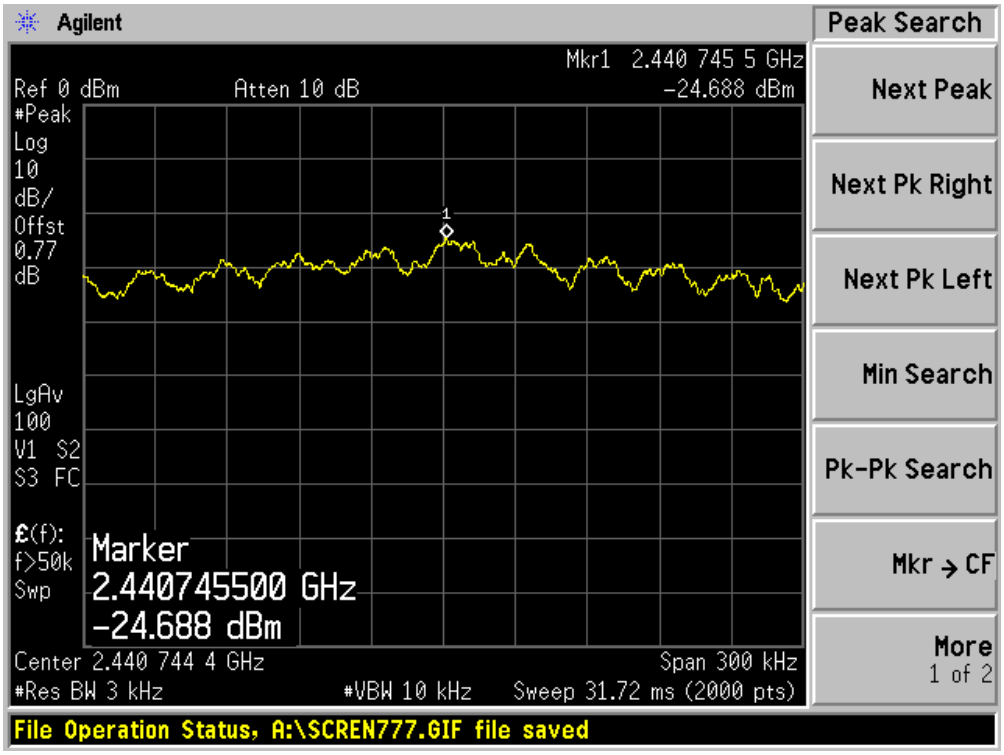
Channel 159 (5795MHz) – Chain B



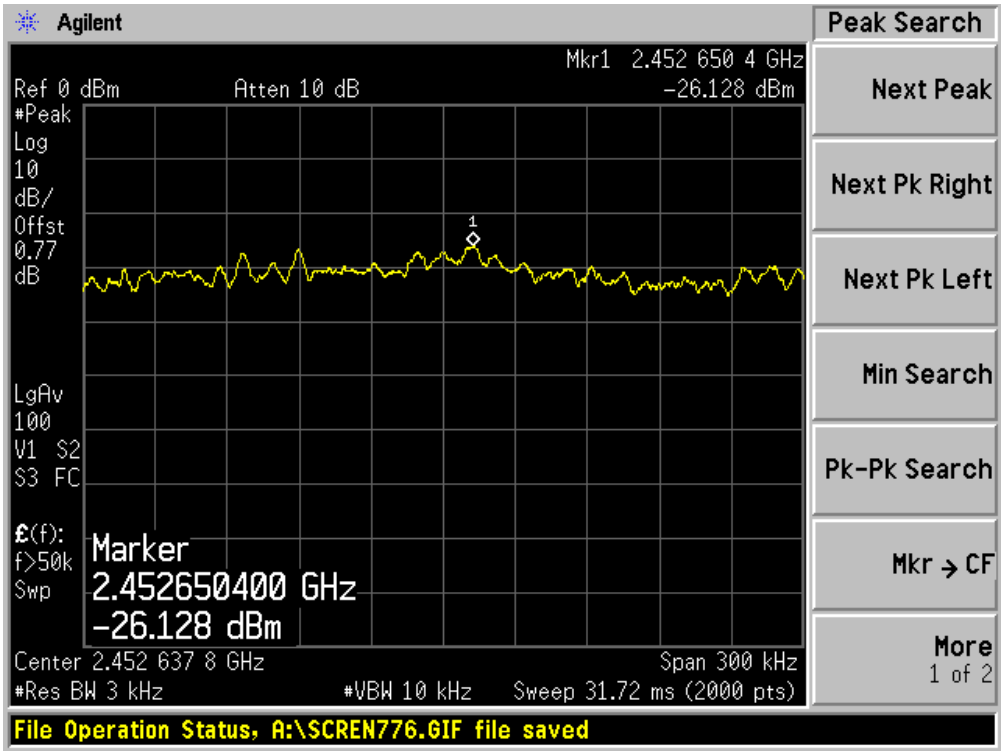
Channel 03 (2422MHz) – Chain C



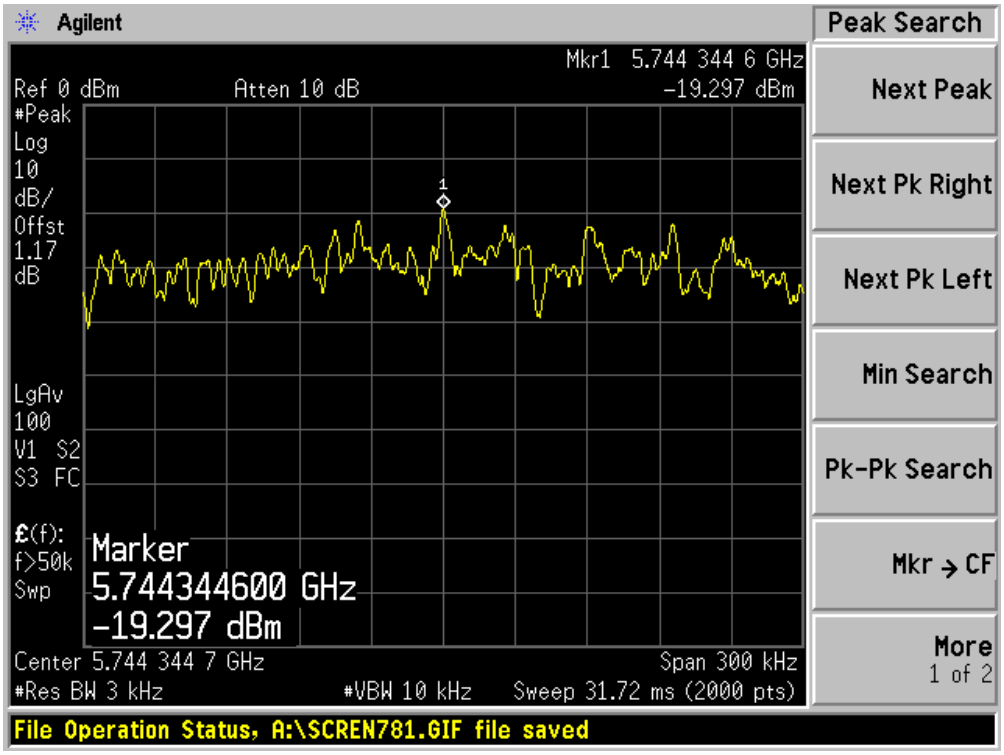
Channel 06 (2437MHz) – Chain C



Channel 09 (2452MHz) – Chain C



Channel 151 (5755MHz) – Chain C



Channel 159 (5795MHz) – Chain C