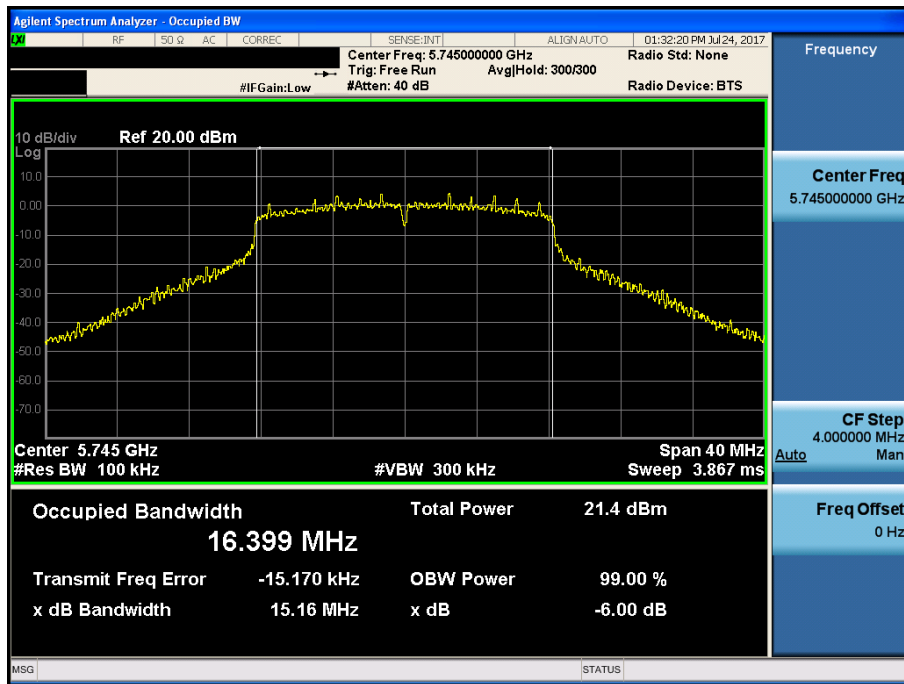


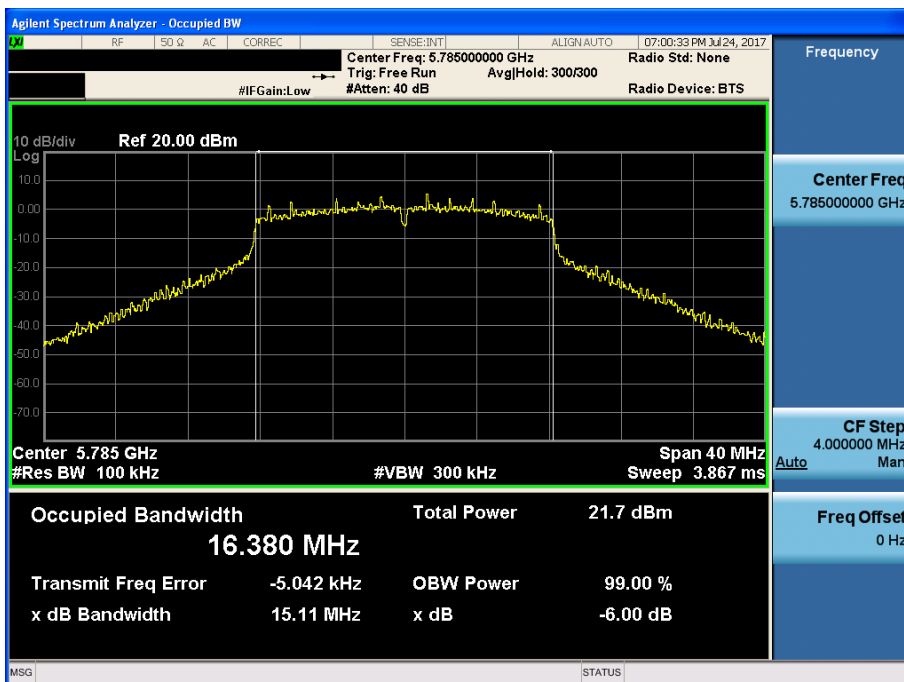
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.149



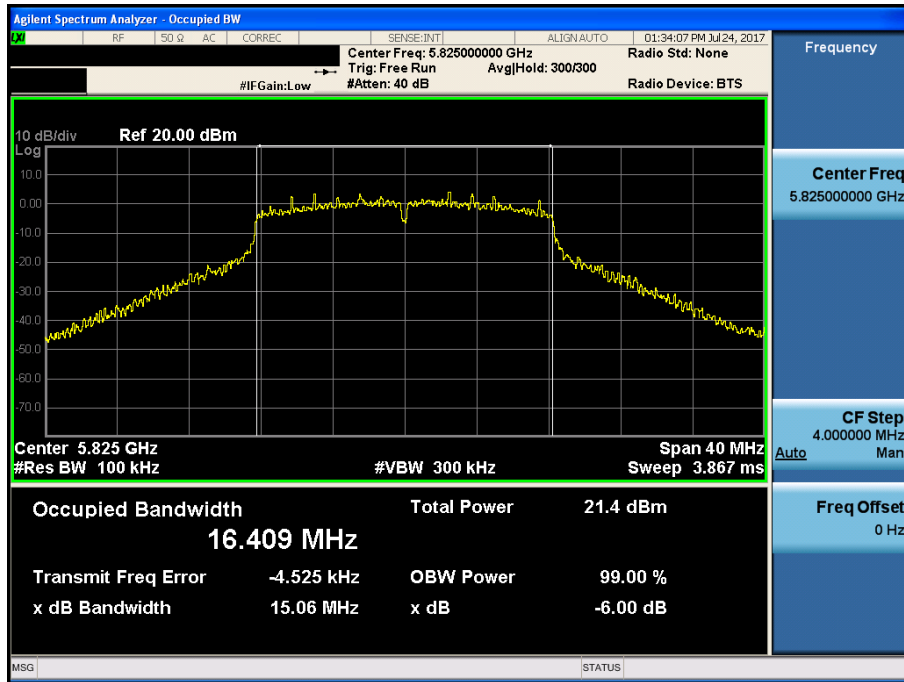
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.157



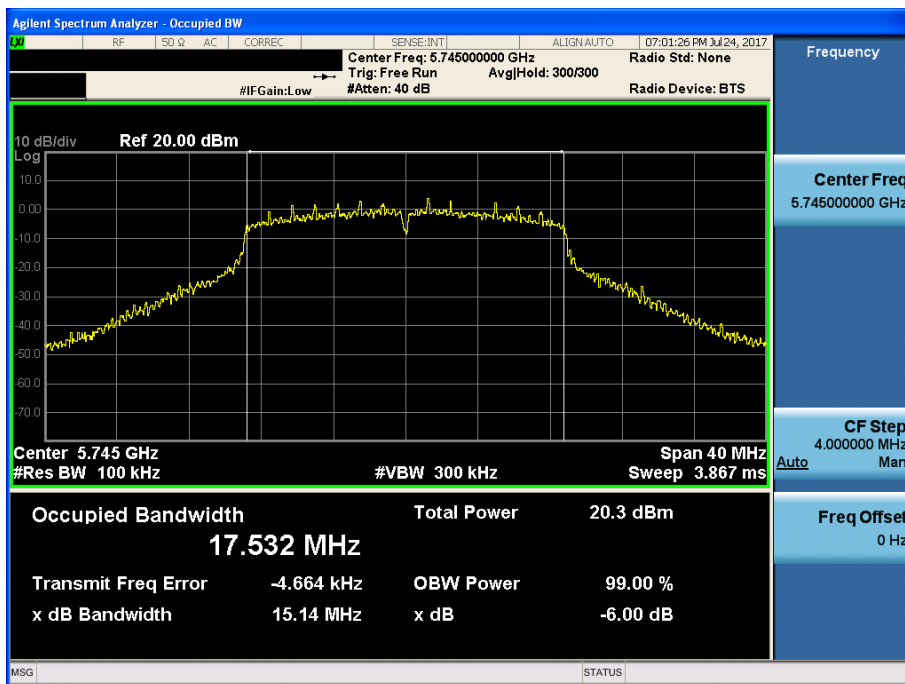
6 dB Bandwidth

Test Mode: 802.11a & ANT 2 & Ch.165



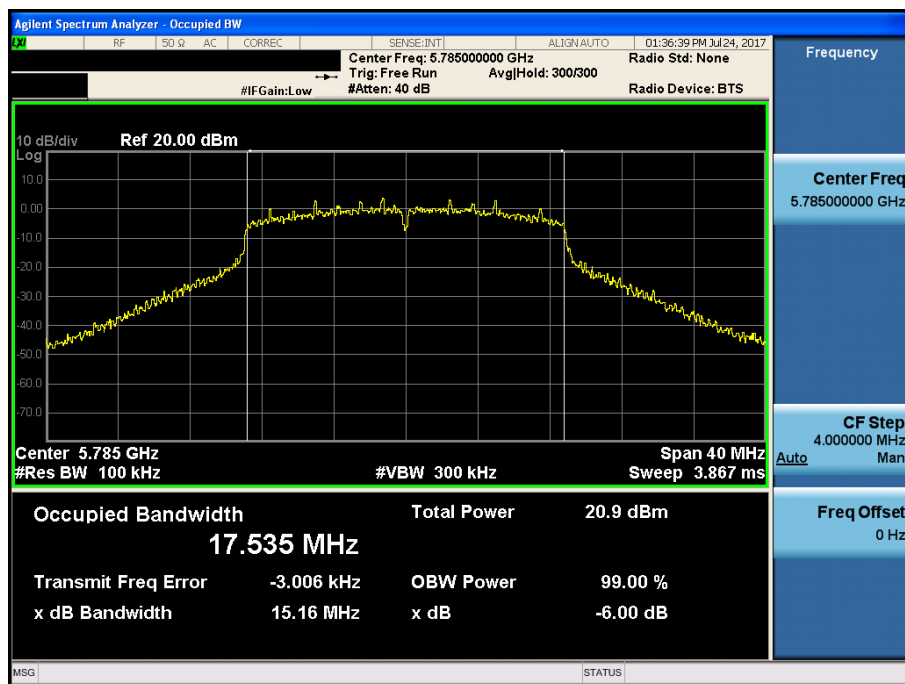
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.149



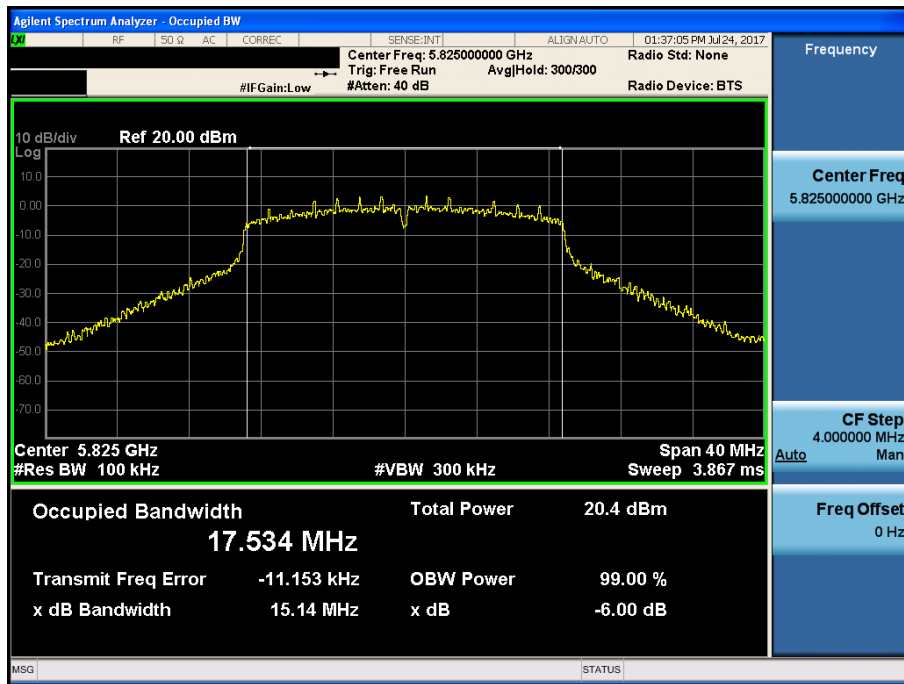
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.157



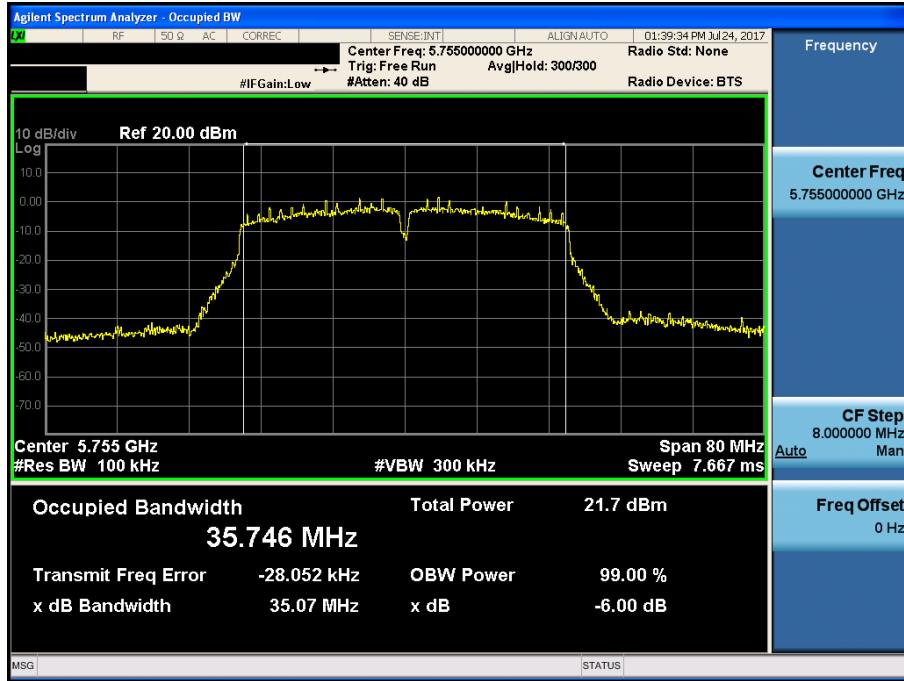
6 dB Bandwidth

Test Mode: 802.11n HT20 & ANT 2 & Ch.165



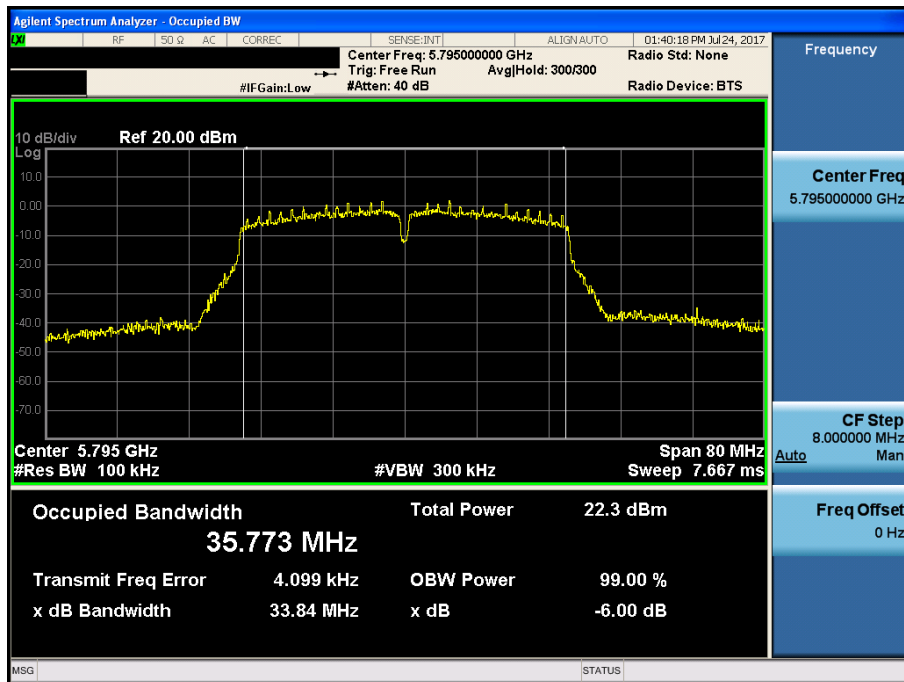
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.151



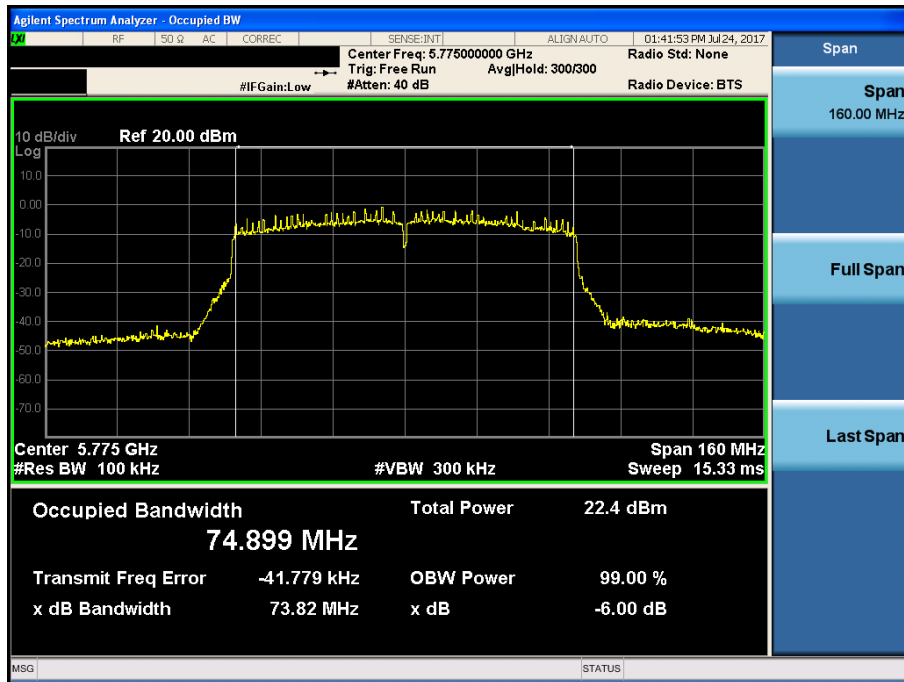
6 dB Bandwidth

Test Mode: 802.11n HT40 & ANT 2 & Ch.159



6 dB Bandwidth

Test Mode: 802.11ac VHT80 & ANT 2 & Ch.155



8.3 Maximum Conducted Output Power

Test Requirements

Part. 15.407(a)

(1) For the band 5.15 - 5.25 GHz.

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725 - 5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

- Output power Limit Calculation

Band	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case) [dBi]	Determined Limit [dBm]
U-NII 1	250	23.97	2.06	23.97

Band	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain (Worst case) [dBi]	Determined Limit [dBm]
	Least 26 dBc BW [MHz]			
U-NII 2A	250	23.97	2.06	23.97
	21.42	24.30		
U-NII 2C	250	23.97	1.97	23.97
	21.14	24.25		

Band	Power Limit [mW]	Calculated Limit [dBm]	Antenna Gain [dBi]	Determined Limit [dBm]
U-NII 3	1000	30.00	1.44	30.00

Test Configuration



Method PM-G

Test Configuration

Method PM-G of KDB789033 D02v01r04

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Test Results: Comply
- Output Power: Single

Mode	CH	Freq.[MHz]	Test Result [dBm]		
			ANT 1	ANT 2	-
802.11a	36	5180	15.15	15.16	-
	40	5200	15.18	15.32	-
	48	5240	14.89	15.26	-
	52	5260	15.02	15.17	-
	60	5300	14.97	15.27	-
	64	5320	14.79	14.98	-
	100	5500	14.48	14.66	-
	116	5580	14.84	14.73	-
	144	5720	14.78	14.52	-
	149	5745	14.95	14.57	-
	157	5785	14.73	14.93	-
	165	5825	14.38	14.56	-

Mode	CH	Freq.[MHz]	Test Result [dBm]		
			ANT 1	ANT 2	-
802.11n(HT20)	36	5180	13.96	13.65	-
	40	5200	14.28	14.11	-
	48	5240	14.03	13.76	-
	52	5260	14.18	13.77	-
	60	5300	13.90	14.00	-
	64	5320	13.76	13.81	-
	100	5500	13.90	13.72	-
	116	5580	14.09	13.76	-
	144	5720	13.87	13.83	-
	149	5745	13.89	13.96	-
	157	5785	14.15	14.38	-
	165	5825	13.53	13.81	-

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	-
802.11n(HT40)	38	5190	13.47	13.08	-
	46	5230	14.70	14.53	-
	54	5270	14.98	14.53	-
	62	5310	12.53	12.64	-
	102	5510	13.20	13.28	-
	110	5550	14.69	14.49	-
	142	5710	14.25	14.31	-
	151	5755	14.78	14.43	-
	159	5795	14.40	14.91	

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	-
802.11ac(VHT20)	36	5180	13.93	13.81	-
	40	5200	14.05	13.97	-
	48	5240	13.97	13.86	-
	52	5260	14.26	13.96	-
	60	5300	14.18	14.09	-
	64	5320	14.25	13.86	-
	100	5500	13.96	13.94	-
	116	5580	14.07	13.97	-
	144	5720	13.95	13.93	
	149	5745	14.08	13.98	-
	157	5785	14.13	14.46	-
	165	5825	13.80	13.91	-

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	-
802.11ac(VHT40)	38	5190	13.38	13.33	-
	46	5230	14.61	14.57	-
	54	5270	14.83	14.58	-
	62	5310	12.48	12.30	-
	102	5510	13.31	13.17	-
	110	5550	14.64	14.45	-
	142	5710	14.22	14.28	-
	151	5755	14.69	14.37	-
	159	5795	14.31	14.90	

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	-
802.11ac(VHT80)	42	5210	13.47	13.15	-
	58	5290	12.21	11.95	-
	106	5530	12.13	11.84	-
	138	5690	14.27	14.45	-
	155	5775	14.45	14.50	-

- Summed Output Power: CDD

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (CDD)
802.11a	36	5180	15.15	15.16	18.17
	40	5200	15.18	15.32	18.26
	48	5240	14.89	15.26	18.09
	52	5260	15.02	15.17	18.11
	60	5300	14.97	15.27	18.13
	64	5320	14.79	14.98	17.90
	100	5500	14.48	14.66	17.58
	116	5580	14.84	14.73	17.80
	144	5720	14.78	14.52	17.66
	149	5745	14.95	14.57	17.77
	157	5785	14.73	14.93	17.84
165	5825	14.38	14.56	17.48	

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (CDD)
802.11n(HT20)	36	5180	13.96	13.65	16.82
	40	5200	14.28	14.11	17.21
	48	5240	14.03	13.76	16.91
	52	5260	14.18	13.77	16.99
	60	5300	13.90	14.00	16.96
	64	5320	13.76	13.81	16.80
	100	5500	13.90	13.72	16.82
	116	5580	14.09	13.76	16.94
	144	5720	13.87	13.83	16.86
	149	5745	13.89	13.96	16.94
	157	5785	14.15	14.38	17.28
165	5825	13.53	13.81	16.68	

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (CDD)
802.11ac(VHT20)	36	5180	13.93	13.81	16.88
	40	5200	14.05	13.97	17.02
	48	5240	13.97	13.86	16.93
	52	5260	14.26	13.96	17.12
	60	5300	14.18	14.09	17.15
	64	5320	14.25	13.86	17.07
	100	5500	13.96	13.94	16.96
	116	5580	14.07	13.97	17.03
	144	5720	13.95	13.93	16.95
	149	5745	14.08	13.98	17.04
	157	5785	14.13	14.46	17.31
	165	5825	13.80	13.91	16.87

- Summed Output Power: SDM

Mode	CH	Freq. [MHz]	Test Result [dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (SDM)
802.11n(HT20)	36	5180	13.78	13.76	16.78
	40	5200	13.95	13.94	16.96
	48	5240	13.64	13.77	16.72
	52	5260	13.74	13.81	16.79
	60	5300	13.75	13.97	16.87
	64	5320	13.68	13.67	16.69
	100	5500	13.57	13.86	16.73
	116	5580	13.83	13.72	16.79
	144	5720	13.98	13.58	16.80
	149	5745	13.97	13.60	16.80
	157	5785	13.96	13.99	16.99
165	5825	13.66	13.86	16.77	

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (SDM)
802.11n(HT40)	38	5190	13.28	13.18	16.24
	46	5230	14.95	14.68	17.83
	54	5270	14.98	14.73	17.87
	62	5310	11.98	11.98	14.99
	102	5510	13.15	13.05	16.11
	110	5550	14.96	14.87	17.93
	142	5710	14.54	14.57	17.57
	151	5755	14.98	14.87	17.94
	159	5795	14.64	14.97	17.82

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (SDM)
802.11ac(VHT20)	36	5180	13.79	13.71	16.76
	40	5200	14.03	13.84	16.95
	48	5240	13.64	13.81	16.74
	52	5260	13.69	13.66	16.69
	60	5300	13.85	13.98	16.93
	64	5320	13.63	13.64	16.65
	100	5500	13.57	13.81	16.70
	116	5580	13.86	13.85	16.87
	144	5720	13.77	13.58	16.69
	149	5745	13.86	13.57	16.73
	157	5785	13.78	13.88	16.84
	165	5825	13.55	13.45	16.51

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (SDM)
802.11ac(VHT40)	38	5190	13.23	13.22	16.24
	46	5230	14.99	14.76	17.89
	54	5270	14.94	14.83	17.90
	62	5310	12.26	12.16	15.22
	102	5510	13.39	13.25	16.33
	110	5550	14.83	14.94	17.90
	142	5710	14.77	14.39	17.59
	151	5755	14.95	14.70	17.84
	159	5795	14.92	14.92	17.93

Mode	CH	Freq.[MHz]	Test Result[dBm]		
			ANT 1	ANT 2	ANT1+ANT2 (SDM)
802.11ac(VHT80)	42	5210	13.09	12.91	16.01
	58	5290	11.44	11.58	14.52
	106	5530	11.58	11.73	14.67
	138	5690	13.18	13.66	16.44
	155	5775	13.76	13.77	16.78

8.4 Maximum Power Spectral Density

Test requirements

Part. 15.407(a)

(1) For the band 5.15 - 5.25 GHz.

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.^{note1}

(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.^{note1}

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band.^{note1}

(2) For the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1 MHz band.^{note1}

(3) For the band 5.725 - 5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500 kHz band.^{note1,note2}

Note1: If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note2: Fixed point - to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

- Peak Power Spectral Density Limit Calculation

Band	Limit [dBm]	Antenna Gain (Worst case) [dBi]	Determined Limit [dBm]
U-NII 1	11	2.06	11
U-NII 2A	11	2.06	11
U-NII 2C	11	1.97	11
U-NII 3	30	1.44	30

Test Configuration

Refer to the APPENDIX I.

Test procedure

Maximum Power Spectral Density is measured using Measurement Procedure of **KDB789033 D02v01r04**

- 1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA - 1, SA - 2, SA - 3, or alternatives to each) and apply it up to, but not including, the step ODEHOHG &RPSXWH SRZHU<7KLV SURFHGXUH LV UHTXLUHG HYHQ LI MUKH PDJL Maximum conducted output power measurement was performed using a power meter, method PM.)
- 2) Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3) Make the following adjustments to the peak value of the spectrum, if applicable:
 - a) **If Method SA - 2 or SA - 2 Alternative was used, add $10 \log(1 / x)$, where x is the duty cycle, to the peak of the spectrum.**
 - b) If Method SA - 3 Alternative was used and the linear mode was used in step II.E.2.g (viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- 4) The result is the Maximum PSD over 1 MHz reference bandwidth.
- 5) For devices operating in the bands 5.15 - 5.25 GHz, 5.25 - 5.35 GHz, and 5.47 - 5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in §15.407(a)(5). For devices operating in the band 5.725 - 5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 500 kHz. If measurements are performed using a specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
 - c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log(500 \text{ kHz} / \text{RBW})$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
 - d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log(1 \text{ MHz} / \text{RBW})$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
 - e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW = 100 kHz is available on nearly all spectrum analyzers.

Test results: **Comply**

- Power spectral density: Single

Mode	Channel	Frequency [MHz]	Reading [dBm]		T.F [dB] Note 1	Test Result [dBm]	
			ANT 1	ANT 2		ANT 1	ANT 2
802.11a	36	5180	-4.355	-5.189	10.220	5.865	5.031
	40	5200	-4.281	-5.294		5.939	4.926
	48	5240	-4.726	-5.102		5.494	5.118
	52	5260	-4.191	-5.073		6.029	5.147
	60	5300	-4.191	-4.590		6.029	5.630
	64	5320	-4.292	-5.323		5.928	4.897
	100	5500	-4.371	-5.224		5.849	4.996
	116	5580	-3.902	-4.704		6.318	5.516
	144	5720	-4.697	-4.960		5.523	5.260
	149	5745	-4.914	-5.040		7.210	2.296
	157	5785	-5.162	-4.655	2.048		2.555
165	5825	-5.441	-5.238	1.769	1.972		
802.11n (HT20)	36	5180	-5.921	-6.323	10.230	4.309	3.907
	40	5200	-5.871	-6.247		4.359	3.983
	48	5240	-6.501	-6.207		3.729	4.023
	52	5260	-5.597	-5.966		4.633	4.264
	60	5300	-4.620	-6.058		5.610	4.172
	64	5320	-6.193	-6.521		4.037	3.709
	100	5500	-6.078	-6.547		4.152	3.683
	116	5580	-4.670	-6.406		5.560	3.824
	144	5720	-6.373	-6.600		3.857	3.630
	149	5745	-6.710	-5.629		7.220	0.510
	157	5785	-6.337	-5.287	0.883		1.933
165	5825	-6.586	-6.413	0.634	0.807		
802.11n (HT40)	38	5190	-9.716	-10.249	10.360	0.644	0.111
	46	5230	-7.577	-8.268		2.783	2.092
	54	5270	-7.674	-8.541		2.686	1.819
	62	5310	-10.582	-10.507		-0.222	-0.147
	102	5510	-9.793	-9.856		0.567	0.504
	110	5550	-7.583	-7.999		2.777	2.361
	142	5710	-8.007	-8.491		2.353	1.869
	151	5755	-7.760	-8.350	7.310	-0.450	-1.040
159	5795	-7.735	-7.619	-0.425		-0.309	
802.11ac (VHT80)	42	5210	-12.483	-13.087	10.380	-2.103	-2.707
	-	-	-	-		-	-
	58	5290	-13.664	-14.499		-3.284	-4.119
	-	-	-	-		-	-
	106	5530	-14.221	-14.784		-3.841	-4.404
	-	-	-	-		-	-
	138	5690	-10.667	-11.160		-0.287	-0.780
	155	5775	-10.864	-11.207	7.340	-3.524	-3.867
-	-	-	-	-		-	

Note 1: "Band 1, 2A, 2C [T.F] = 10*LOG(1000/100) + D.C.F"

"Band 3 [T.F] = 10*LOG(500/100) + D.C.F"

For D.C.F., please refer to appendix II.

Note 2: Test Result = Reading value + T.F

- Summed Power spectral density: CDD

Mode	Channel	Frequency [MHz]	Test Result [dBm]		Test Result [dBm]
			ANT 1	ANT 2	ANT1+ANT2 (CDD)
802.11a	36	5180	5.865	5.031	8.478
	40	5200	5.939	4.926	8.472
	48	5240	5.494	5.118	8.320
	52	5260	6.029	5.147	8.621
	60	5300	6.029	5.630	8.844
	64	5320	5.928	4.897	8.453
	100	5500	5.849	4.996	8.454
	116	5580	6.318	5.516	8.946
	144	5720	5.523	5.260	8.404
	149	5745	2.296	2.170	5.244
	157	5785	2.048	2.555	5.319
165	5825	1.769	1.972	4.882	
802.11n (HT20)	36	5180	4.309	3.907	7.123
	40	5200	4.359	3.983	7.185
	48	5240	3.729	4.023	6.889
	52	5260	4.633	4.264	7.463
	60	5300	5.610	4.172	7.961
	64	5320	4.037	3.709	6.886
	100	5500	4.152	3.683	6.934
	116	5580	5.560	3.824	7.788
	144	5720	3.857	3.630	6.755
	149	5745	0.510	1.591	4.094
	157	5785	0.883	1.933	4.450
165	5825	0.634	0.807	3.732	

- Summed Power spectral density: SDM

Mode	Channel	Frequency [MHz]	Reading [dBm]		T.F [dB] Note 1	Test Result [dBm]
			ANT 1	ANT 2		ANT1+ANT2 (SDM)
802.11n (HT20)	36	5180	-5.789	-6.559	10.450	7.303
	40	5200	-5.538	-6.379		7.522
	48	5240	-5.519	-5.984		7.715
	52	5260	-5.206	-5.860		7.940
	60	5300	-5.369	-5.293		8.129
	64	5320	-5.407	-6.053		7.742
	100	5500	-5.773	-6.183		7.487
	116	5580	-4.427	-5.561		8.503
	144	5720	-5.939	-6.140	7.422	
	149	5745	-6.010	-5.946	7.440	4.472
	157	5785	-6.043	-5.783	4.539	
165	5825	-5.987	-6.128	4.393		
802.11n (HT40)	38	5190	-9.906	-10.069	10.580	3.604
	46	5230	-7.273	-7.765		6.078
	54	5270	-7.443	-8.009		5.874
	62	5310	-10.301	-10.825		3.035
	102	5510	-9.626	-9.775		3.890
	110	5550	-7.574	-8.208		5.711
	142	5710	-7.794	-7.715	5.836	
	151	5755	-6.766	-8.146	7.570	3.179
159	5795	-7.810	-7.210	3.080		
802.11ac (VHT80)	42	5210	-13.025	-13.230	10.630	0.514
	-	-	-	-		-
	58	5290	-14.079	-14.985		-0.868
	-	-	-	-		-
	106	5530	-14.046	-14.848	-0.788	
	-	-	-	-	-	
	138	5690	-10.766	-11.284	2.623	
155	5775	-10.026	-10.931	7.700	0.255	
-	-	-	-	-	-	

Note 1: "Band 1, 2A, 2C [T.F] = 10*LOG(1000/100) + D.C.F"

"Band 3 [T.F] = 10*LOG(500/100) + D.C.F"

For D.C.F., please refer to appendix II.

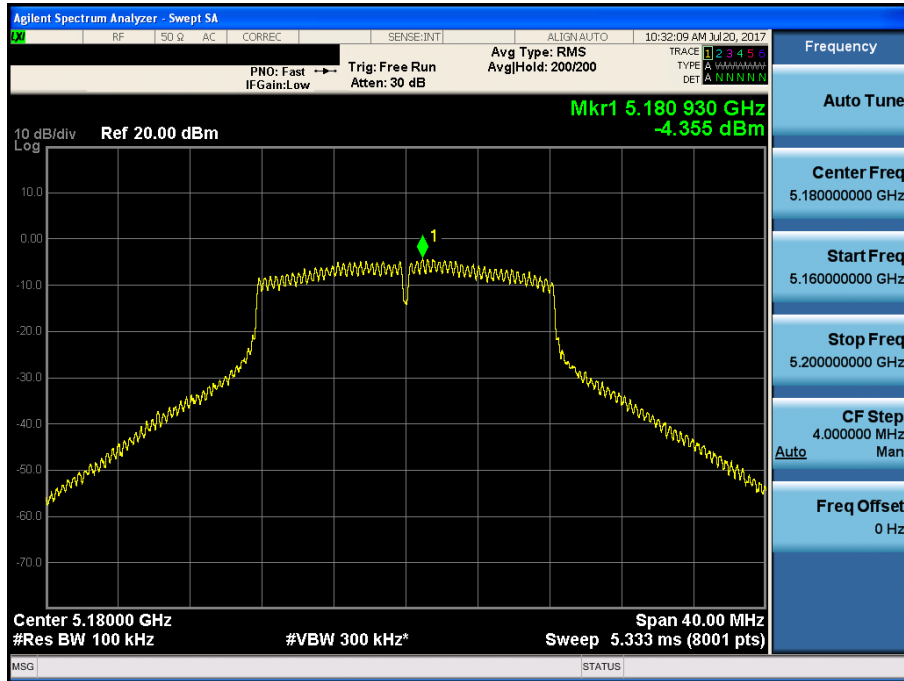
Note 2: Test Result = Reading value(ANT1 + ANT2) + T.F

RESULT PLOTS

- Power spectral density: Single-Antenna 1

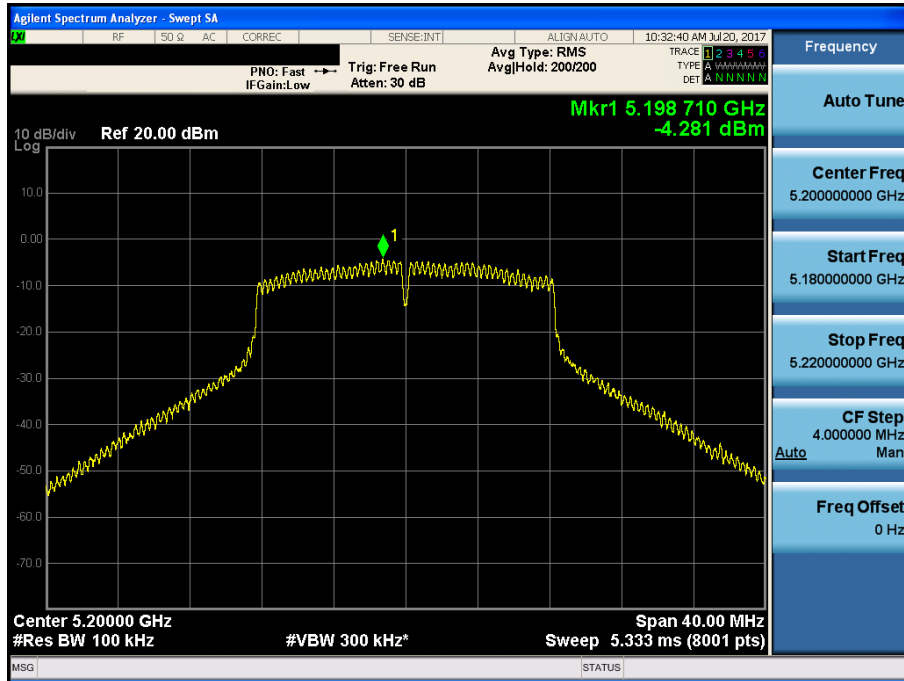
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.36



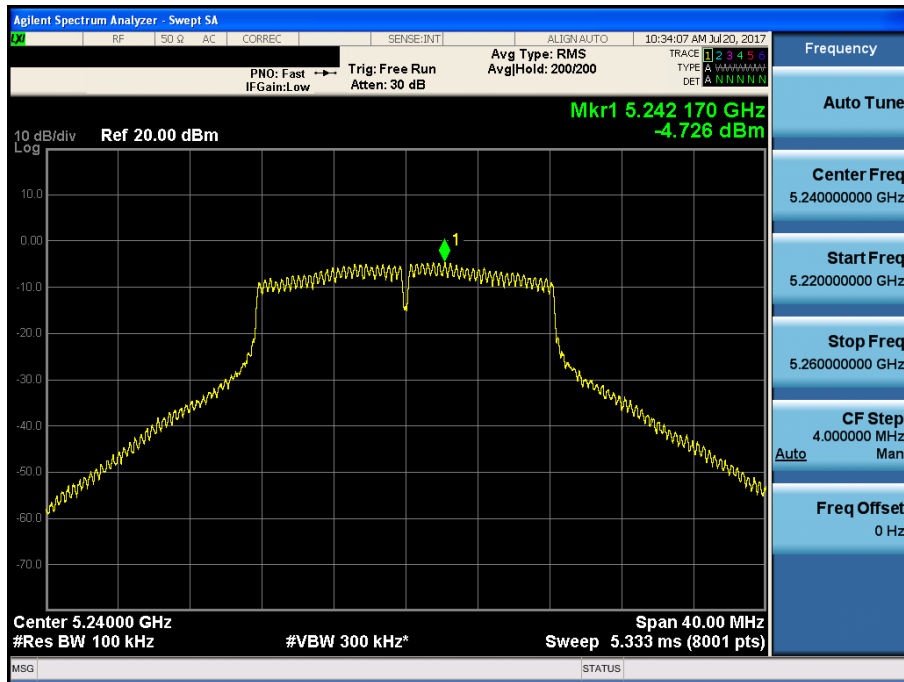
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.40



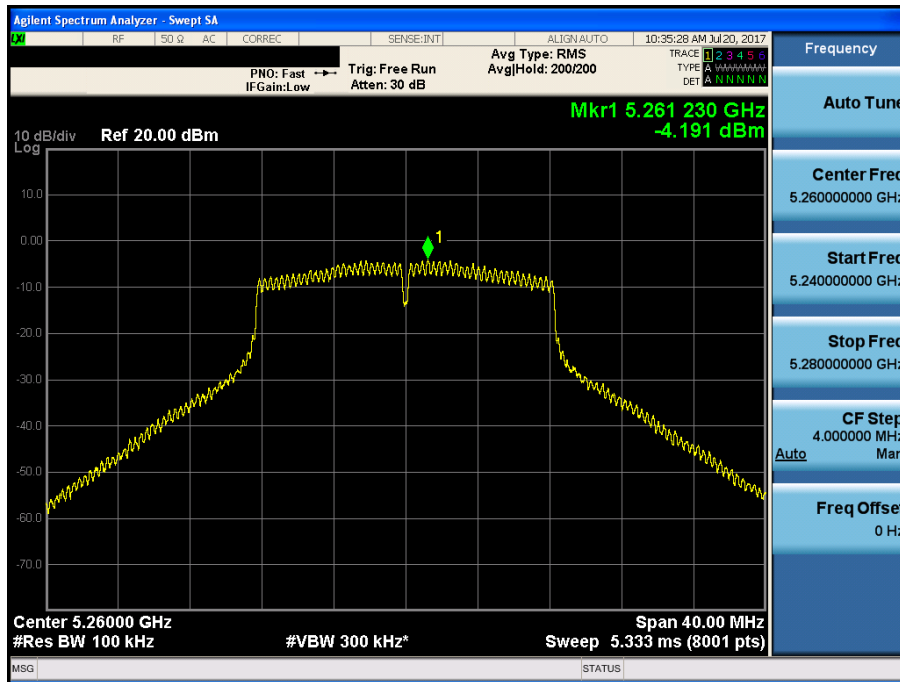
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.48



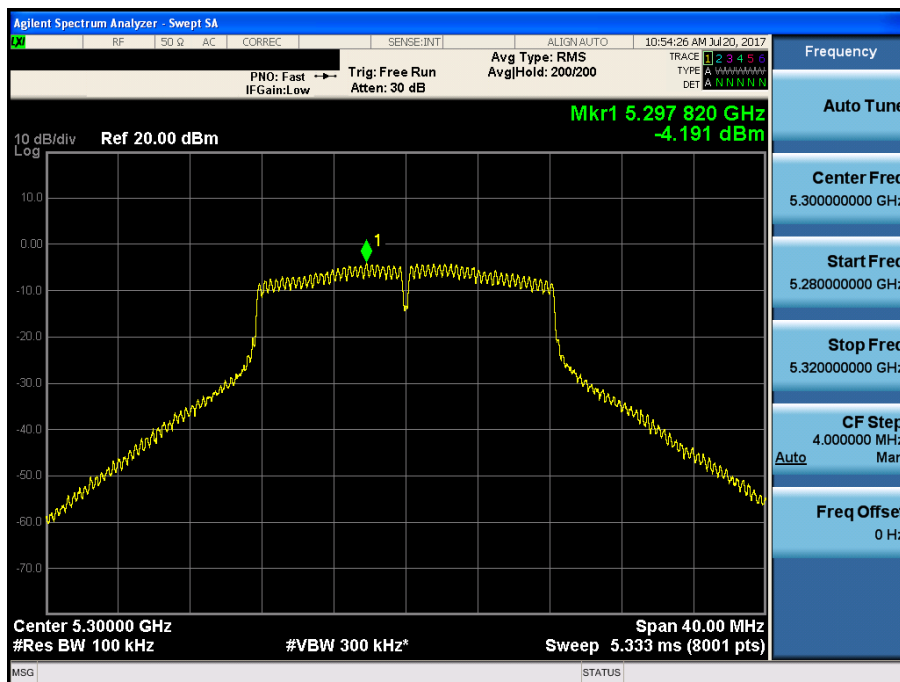
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.52



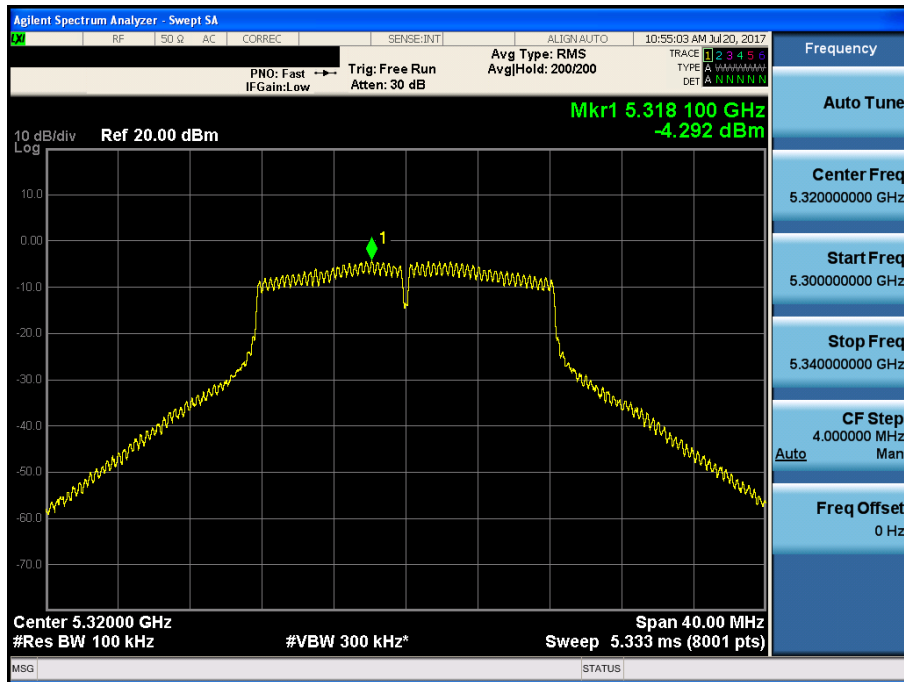
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.60



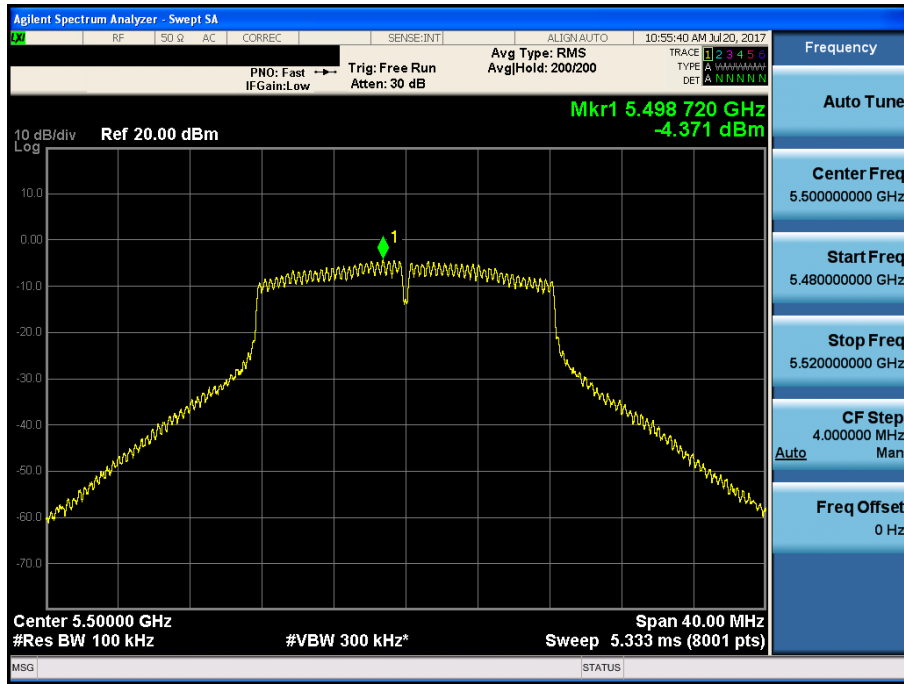
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.64



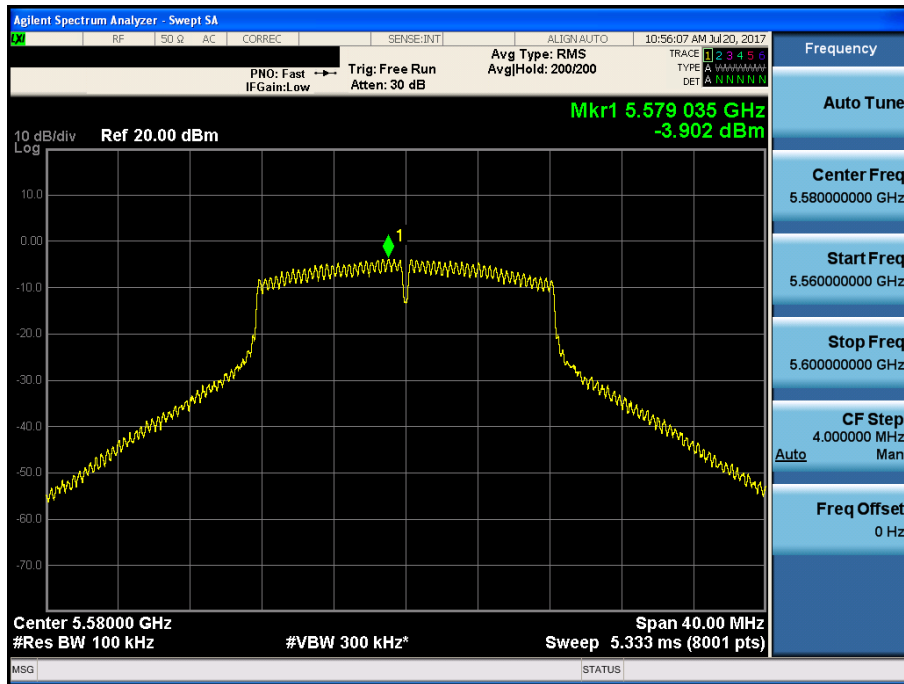
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.100



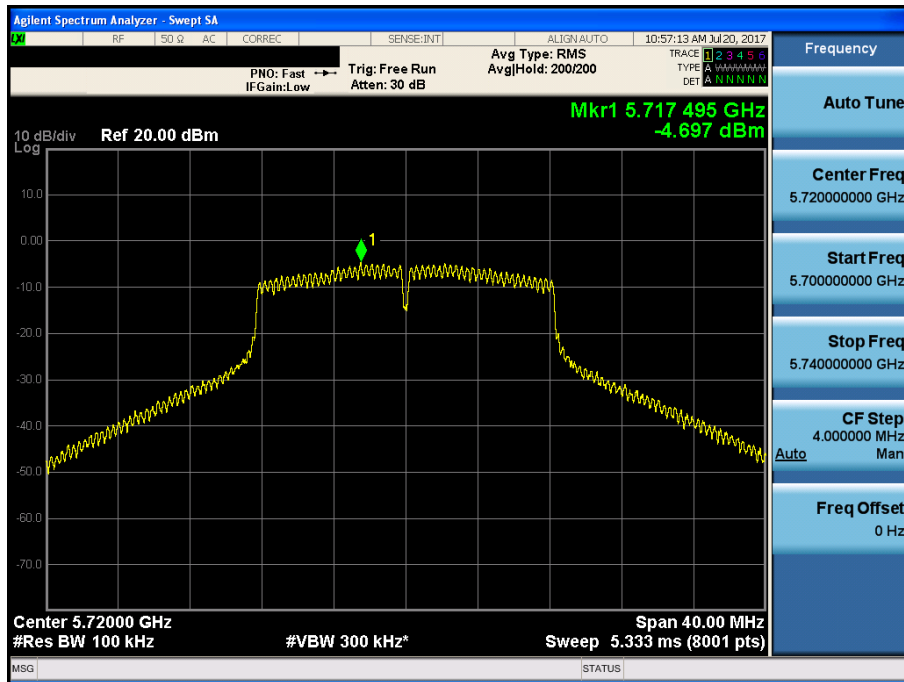
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.116



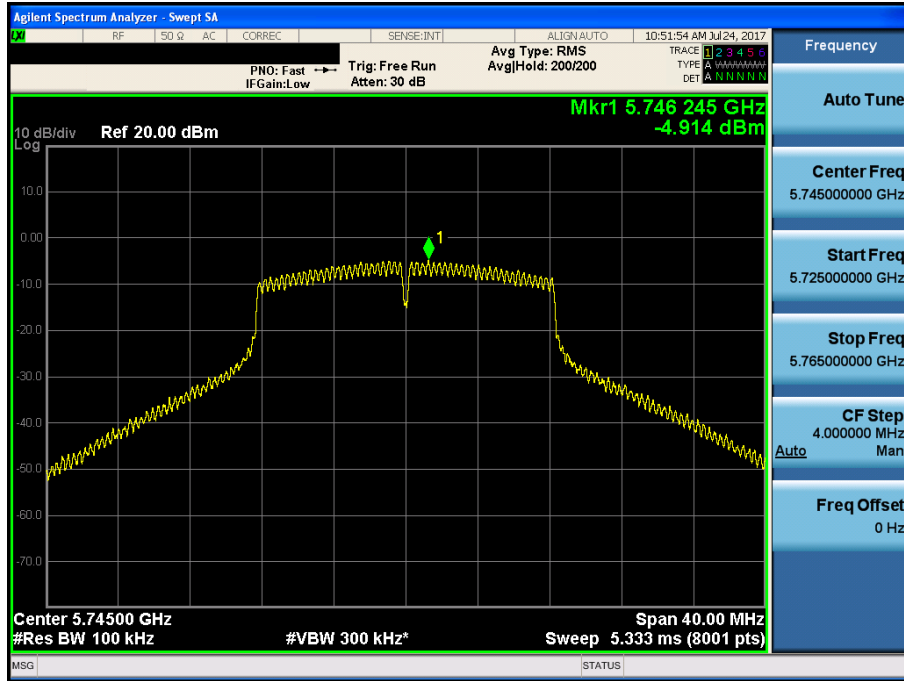
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.144



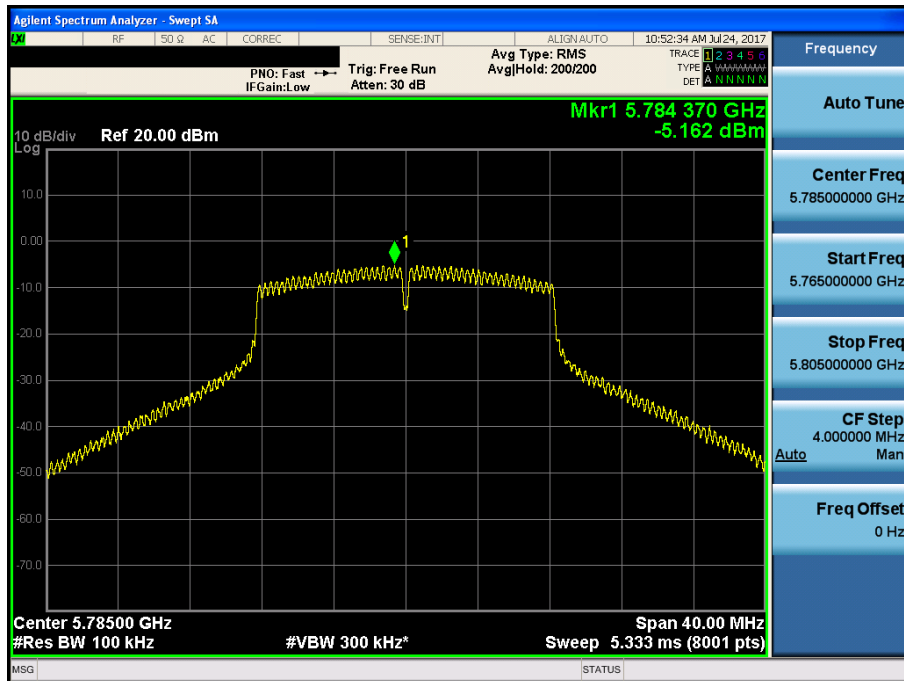
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.149



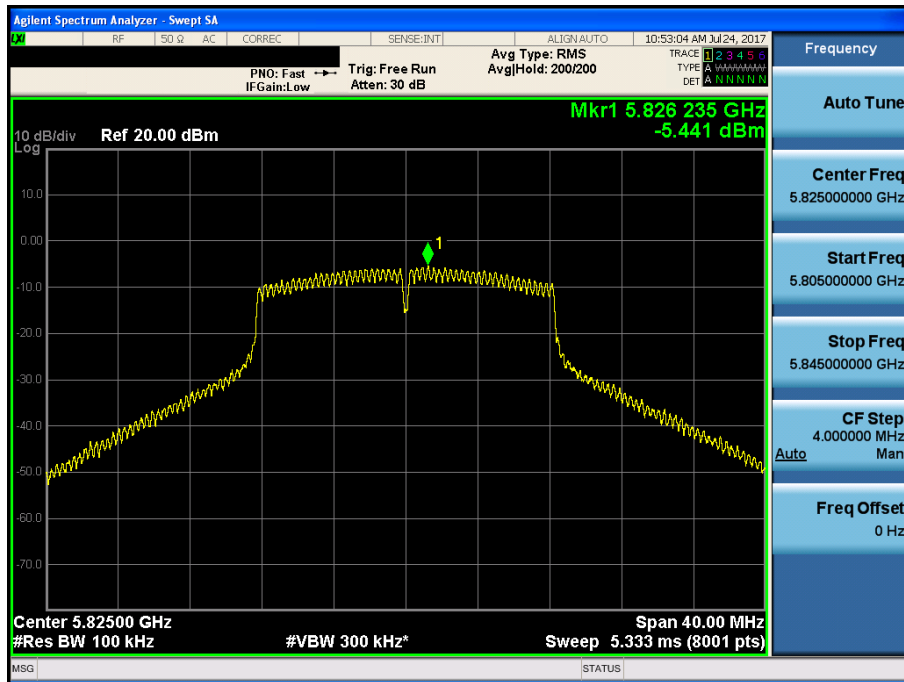
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.157



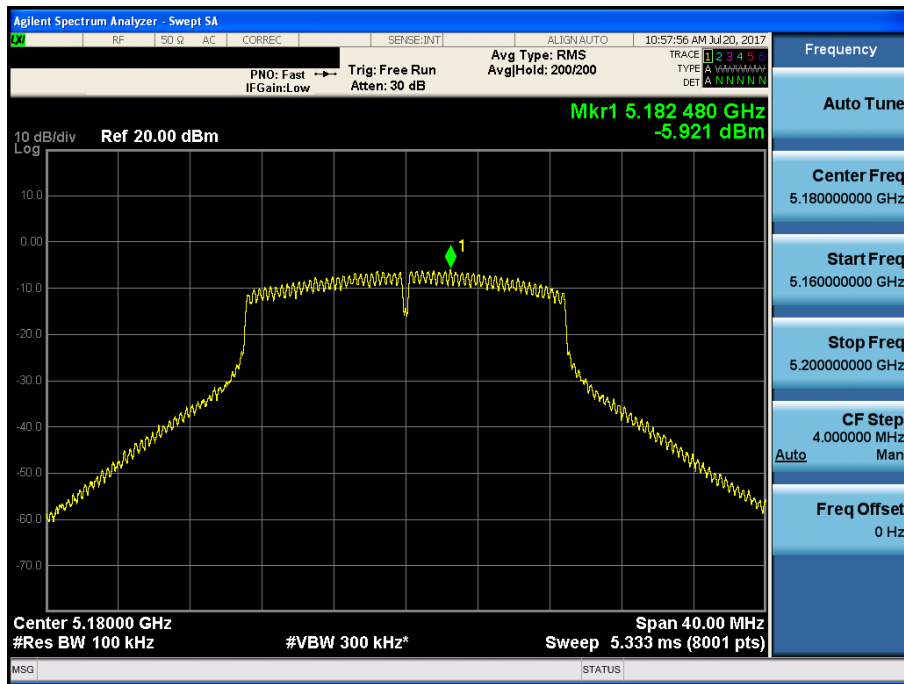
Maximum Power Spectral Density

Test Mode: 802.11a & ANT 1 & Ch.165



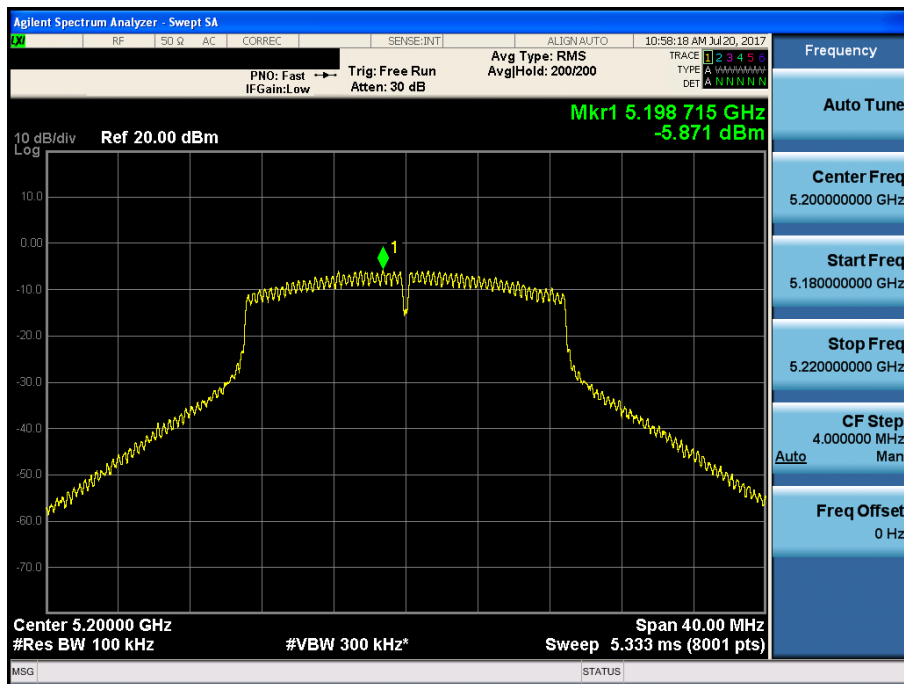
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.36



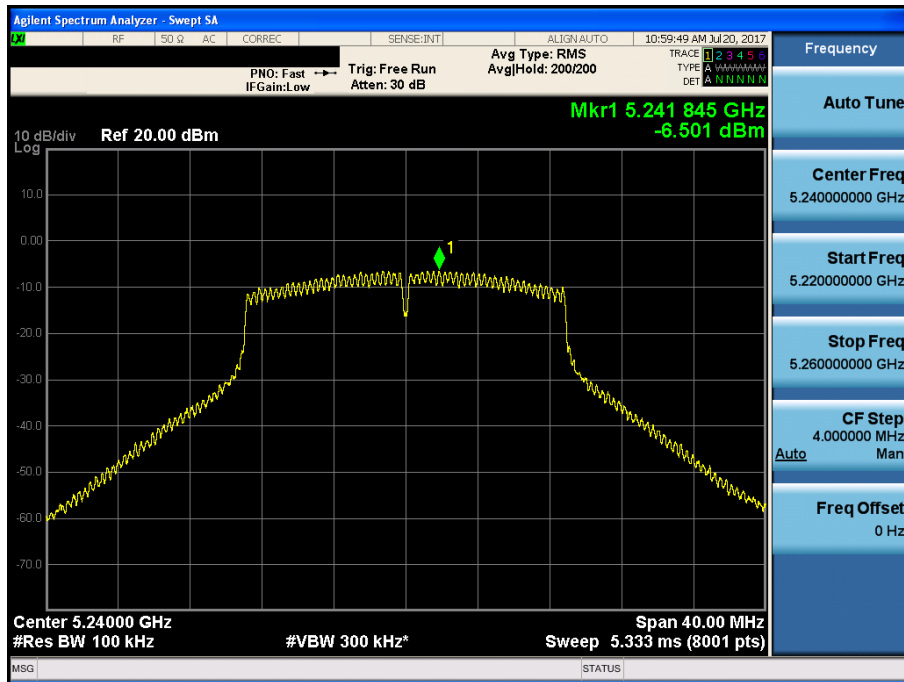
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.40



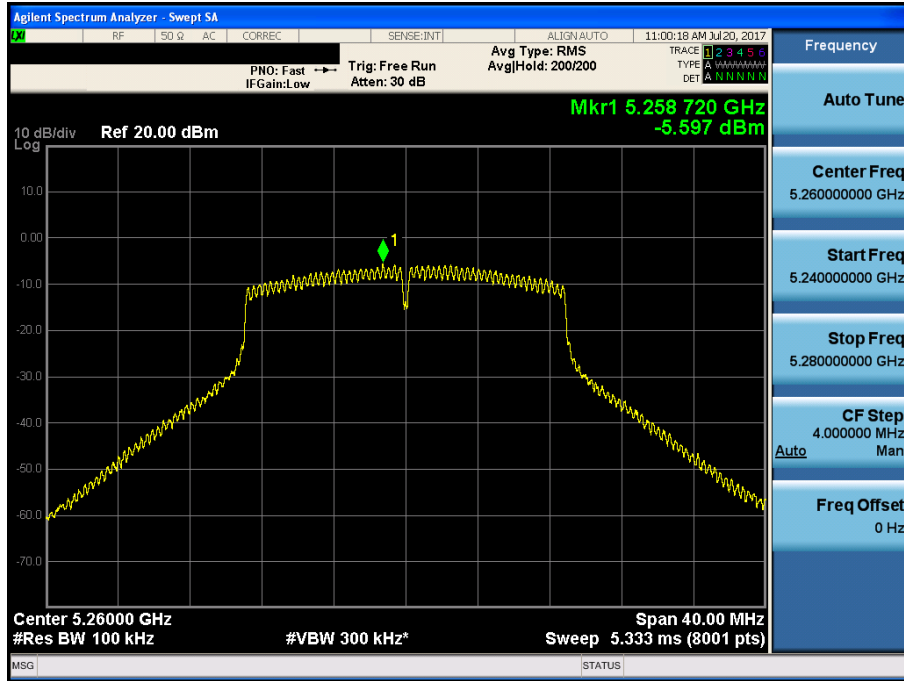
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.48



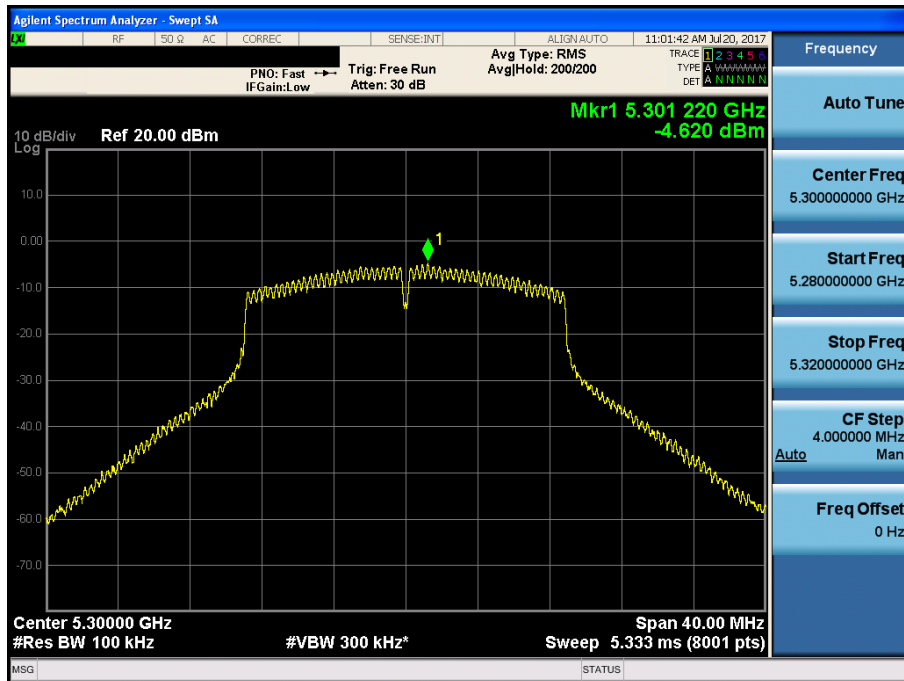
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.52



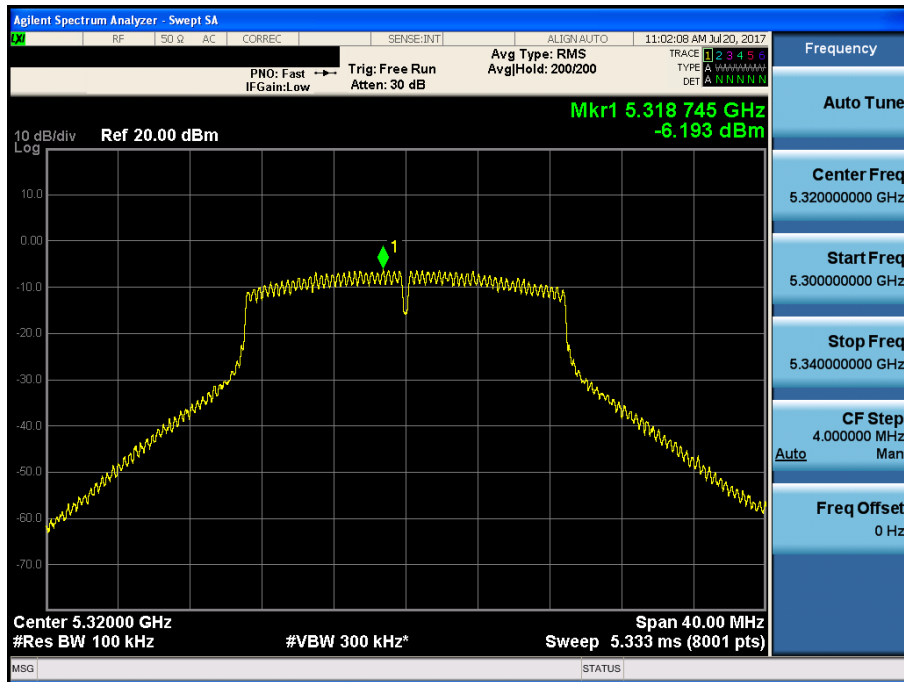
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.60



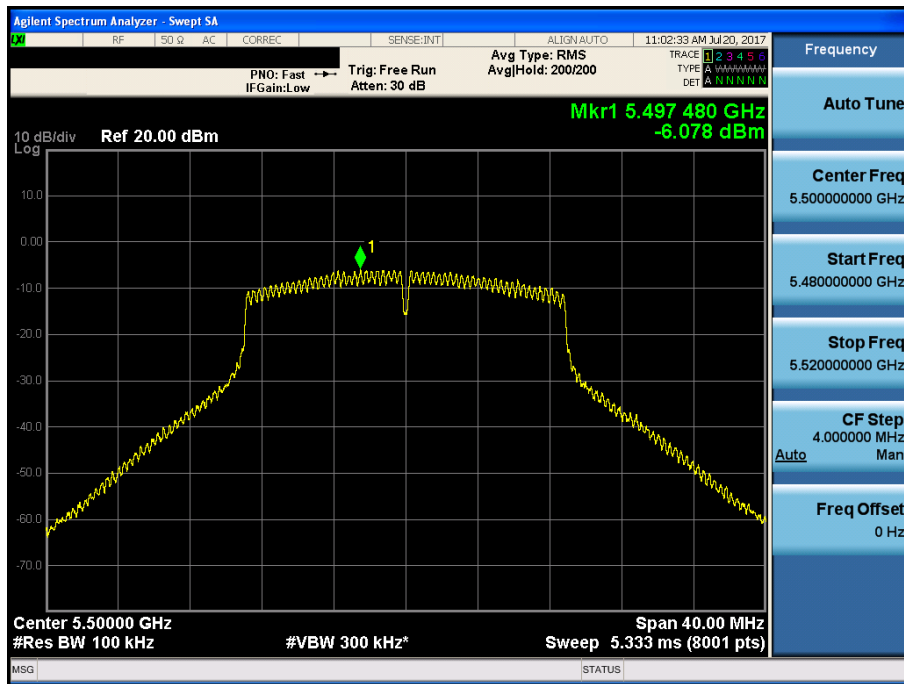
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.64



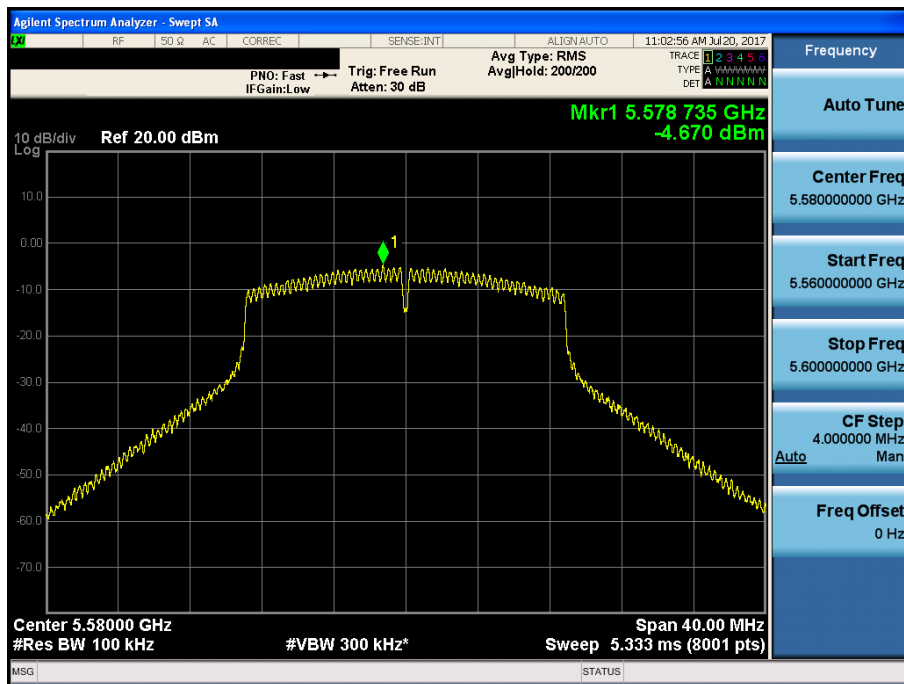
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.100



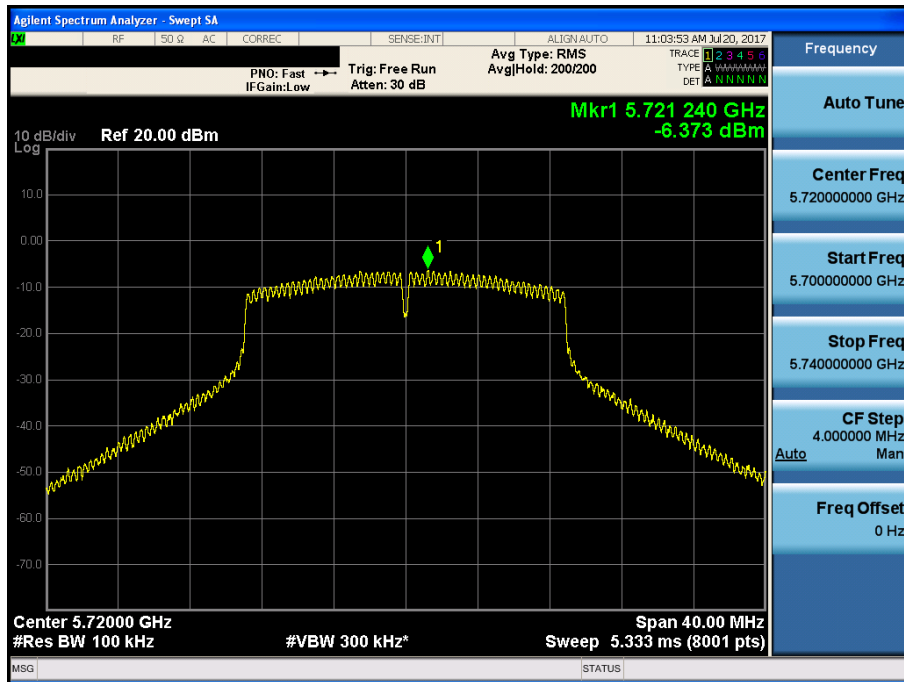
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.116



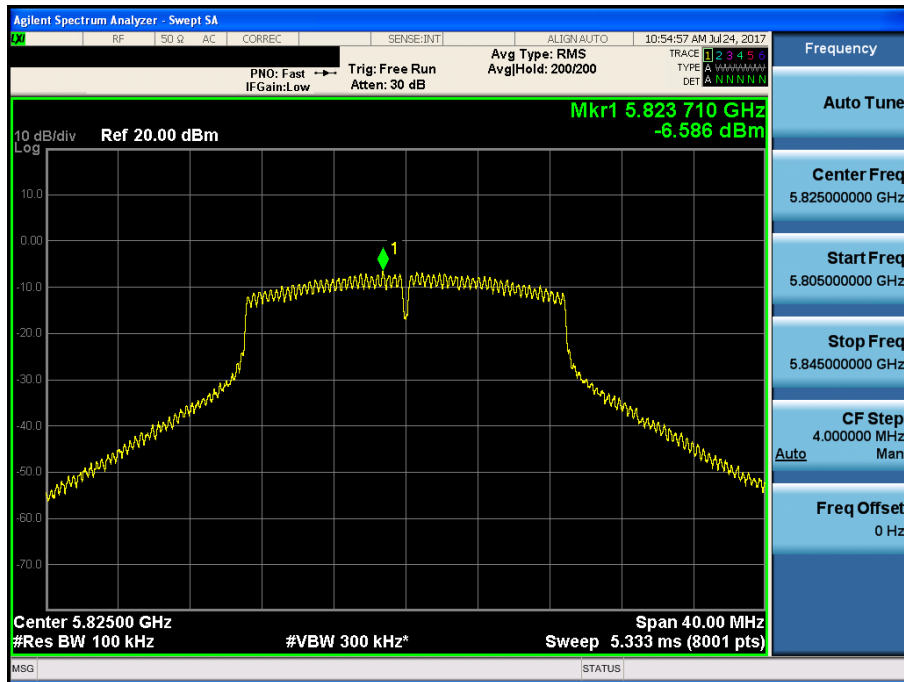
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.144



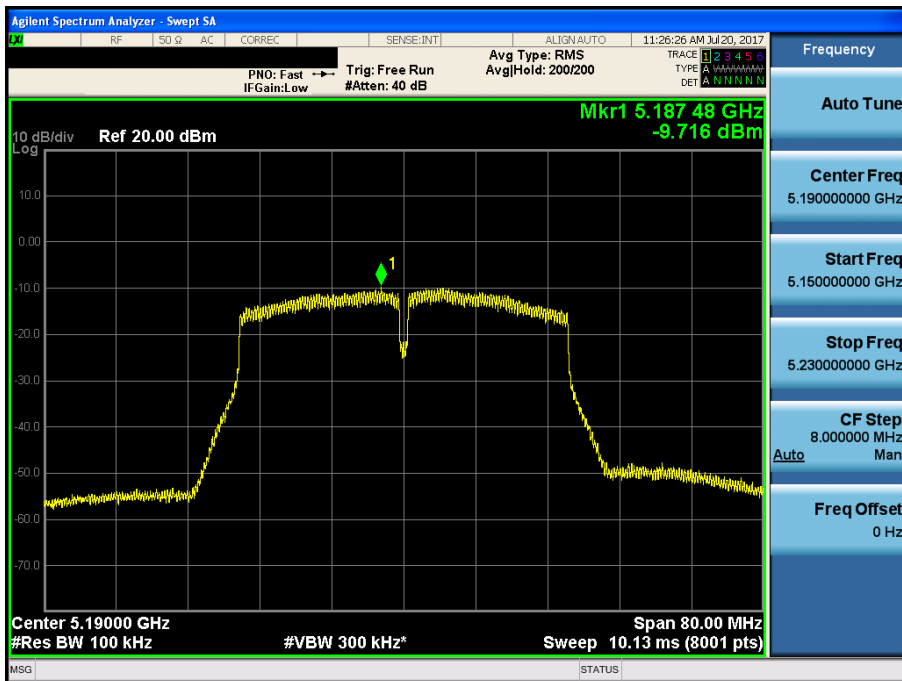
Maximum Power Spectral Density

Test Mode: 802.11n HT20 & ANT 1 & Ch.165



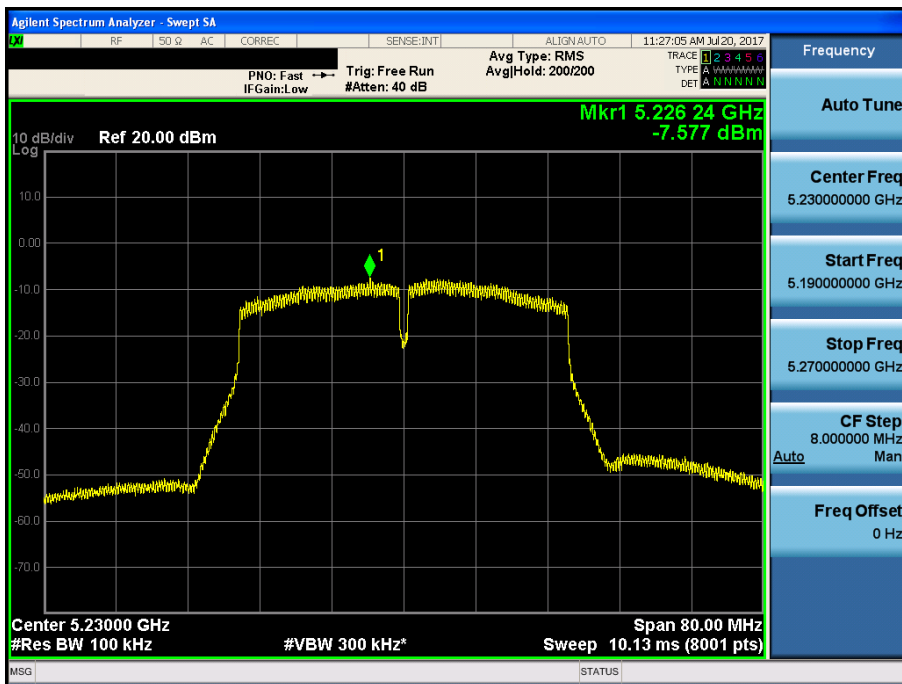
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.38



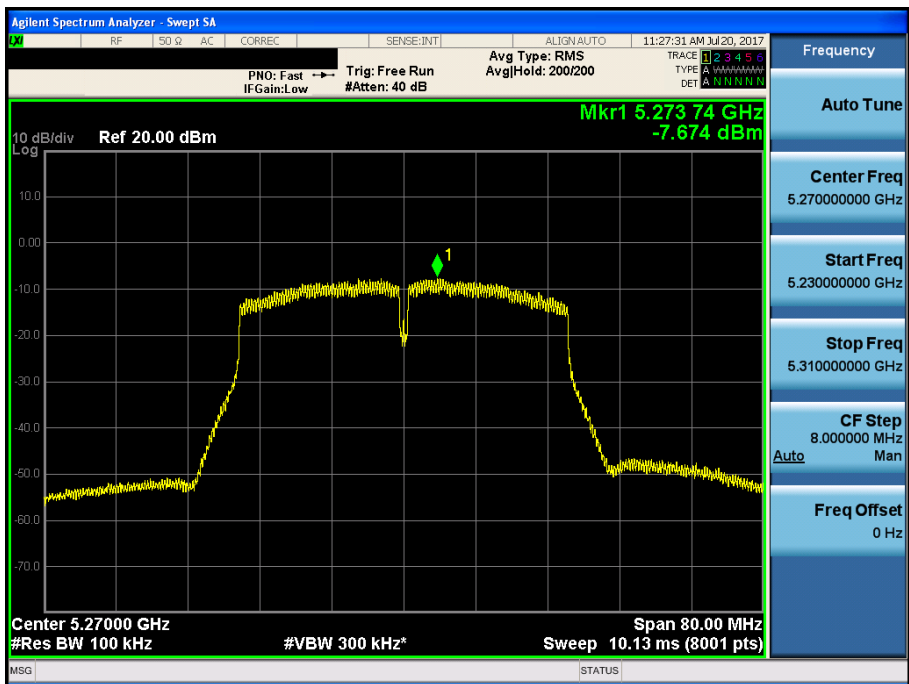
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.46



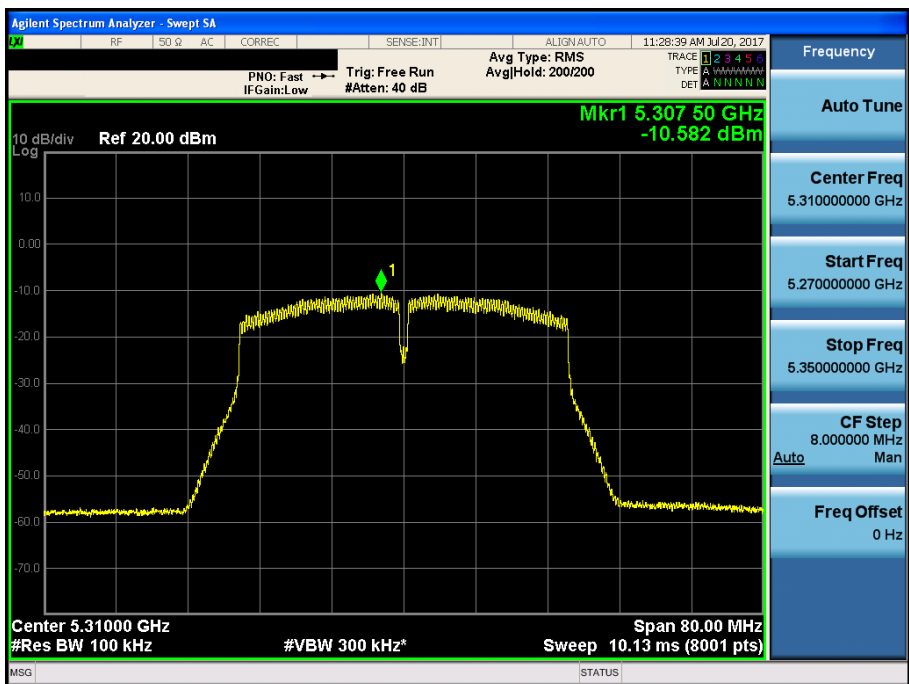
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.54



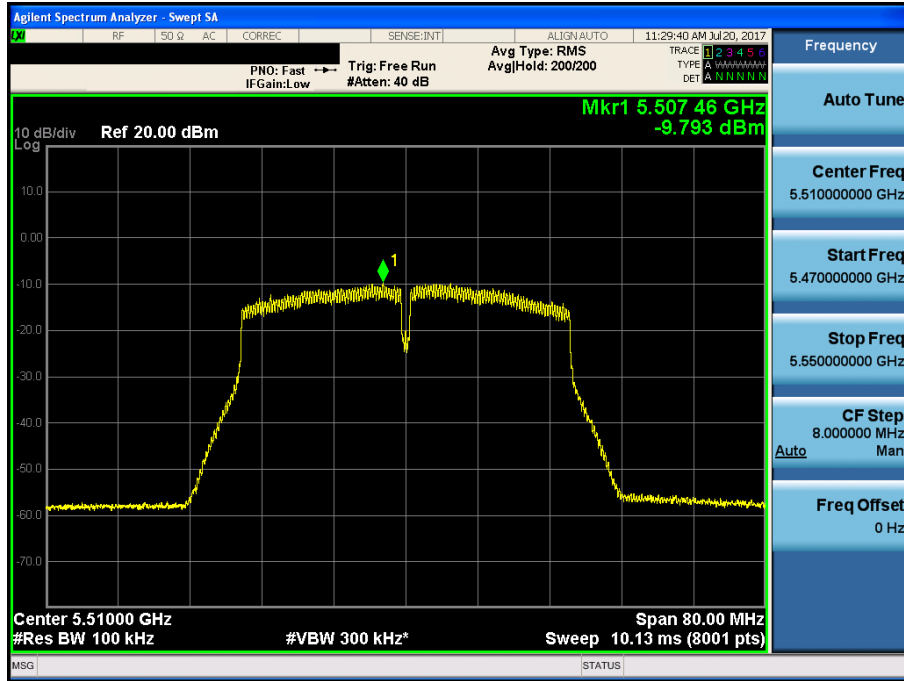
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.62



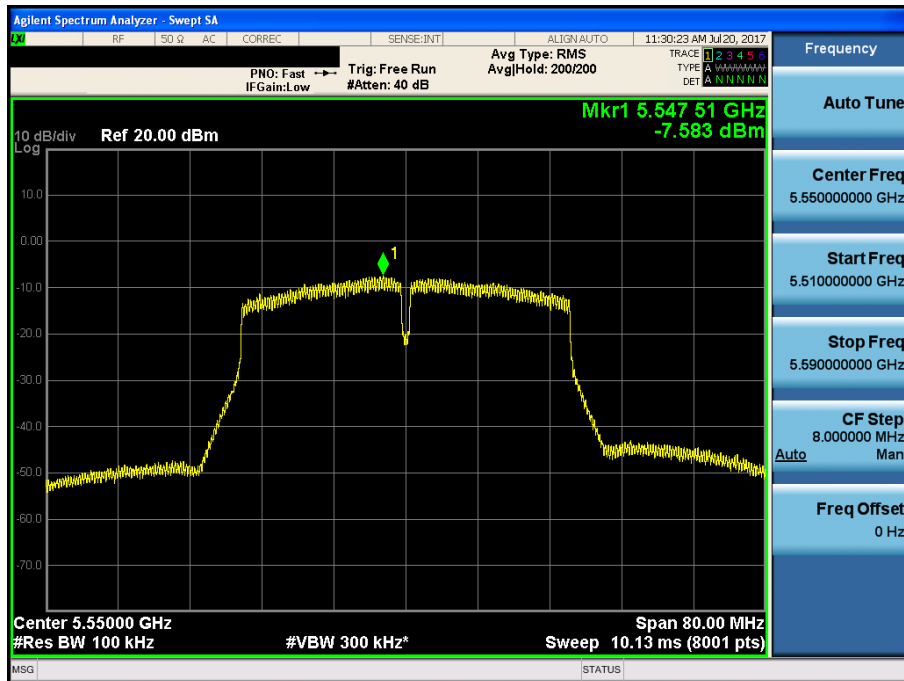
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.102



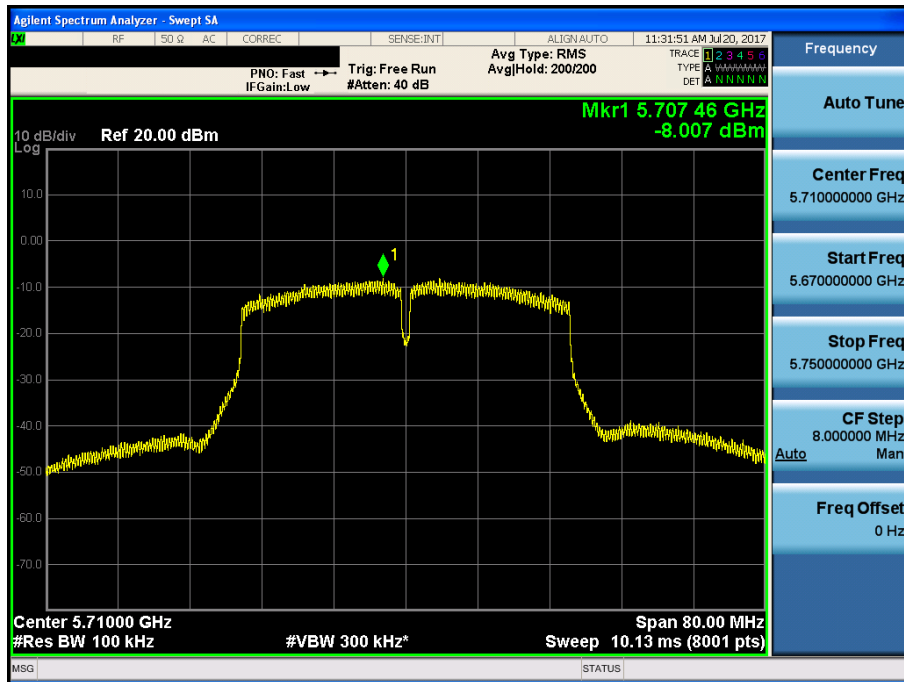
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.110



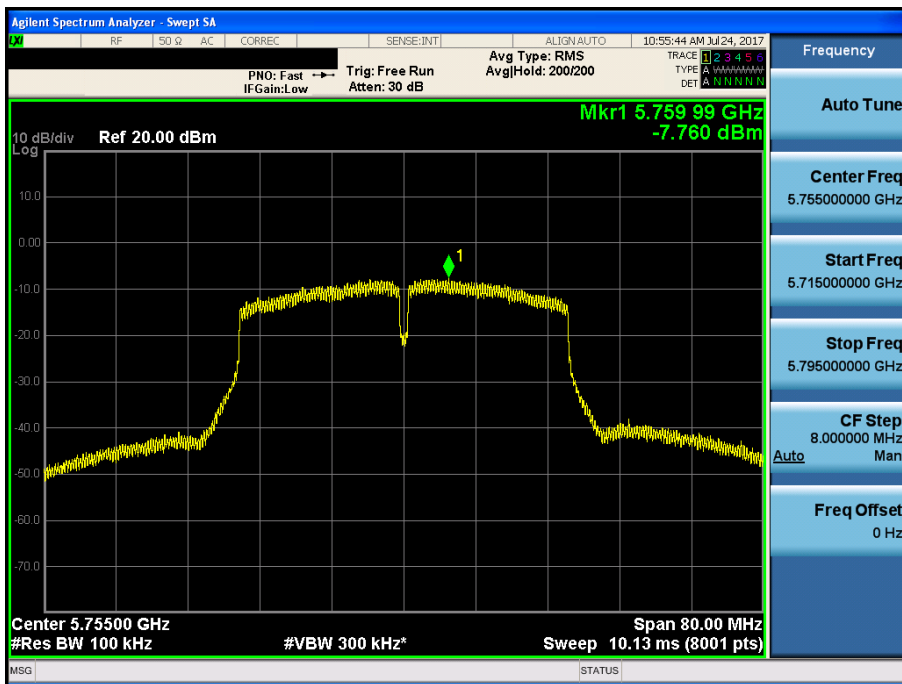
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.142



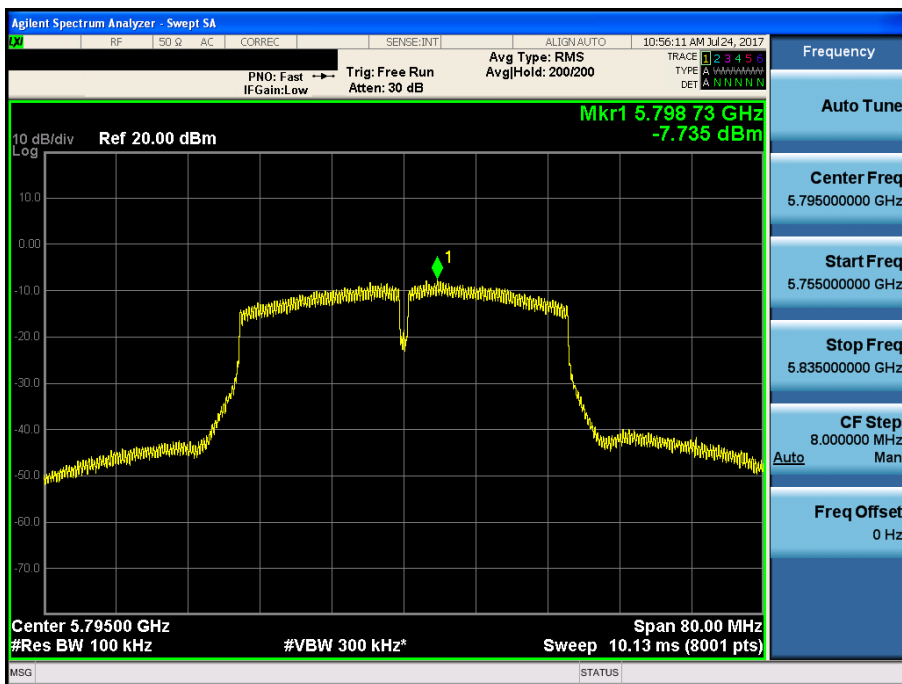
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.151



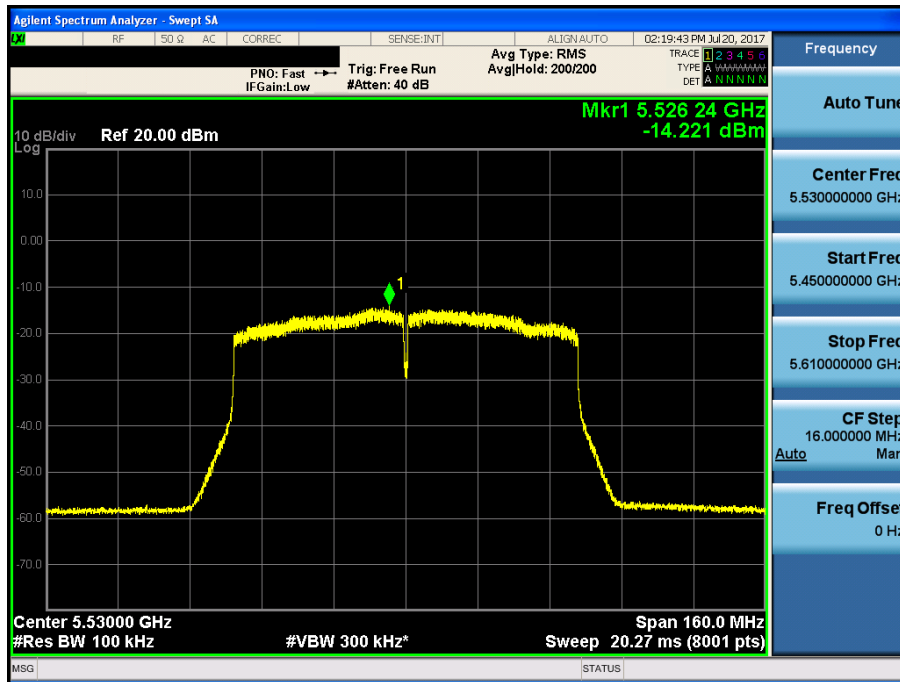
Maximum Power Spectral Density

Test Mode: 802.11n HT40 & ANT 1 & Ch.159



Maximum Power Spectral Density

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.106



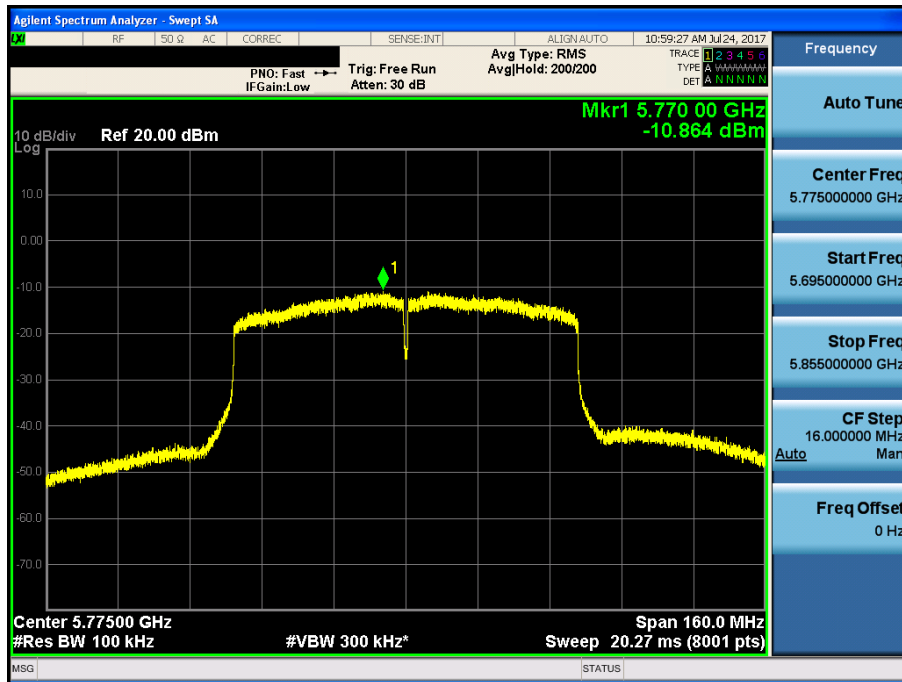
Maximum Power Spectral Density

Test Mode: 802.11ac VHT80 & ANT 1 & Ch.138



Maximum Power Spectral Density

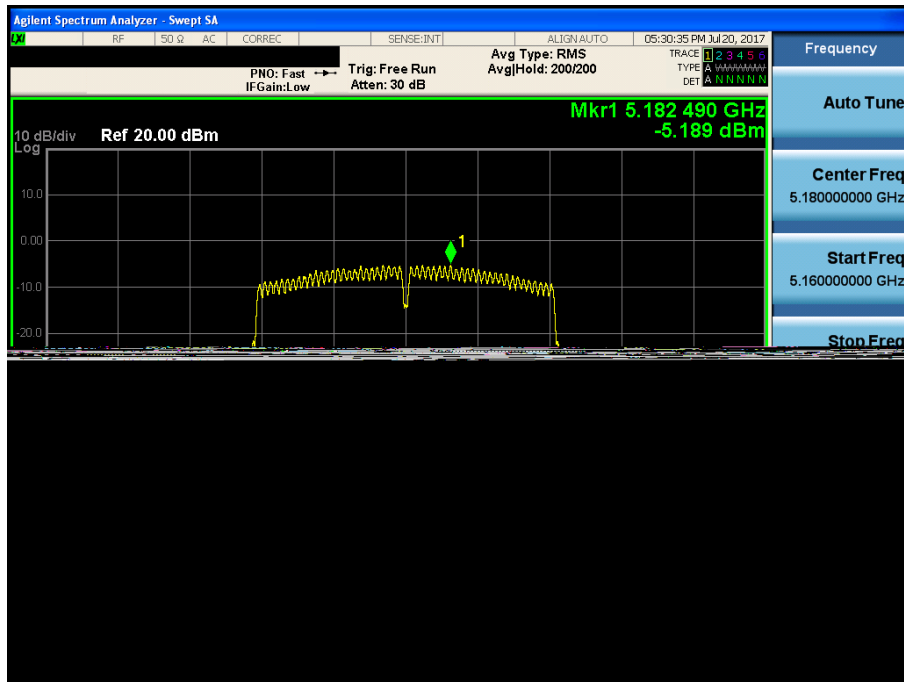
Test Mode: 802.11ac VHT80 & ANT 1 & Ch.155



- Power spectral density: Single-Antenna 2

Maximum Power Spectral Density

Test Mode: 802.11a & ANT 2 & Ch.36



Maximum Power Spectral Density

Test Mode: 802.11a & ANT 2 & Ch.40

