

Appendix E

RF Test Data for 5.8G WLAN (Conducted Measurement)

Product Name: Dash camera

Trade Mark: SCOSCHE

Test Model: NEXC1

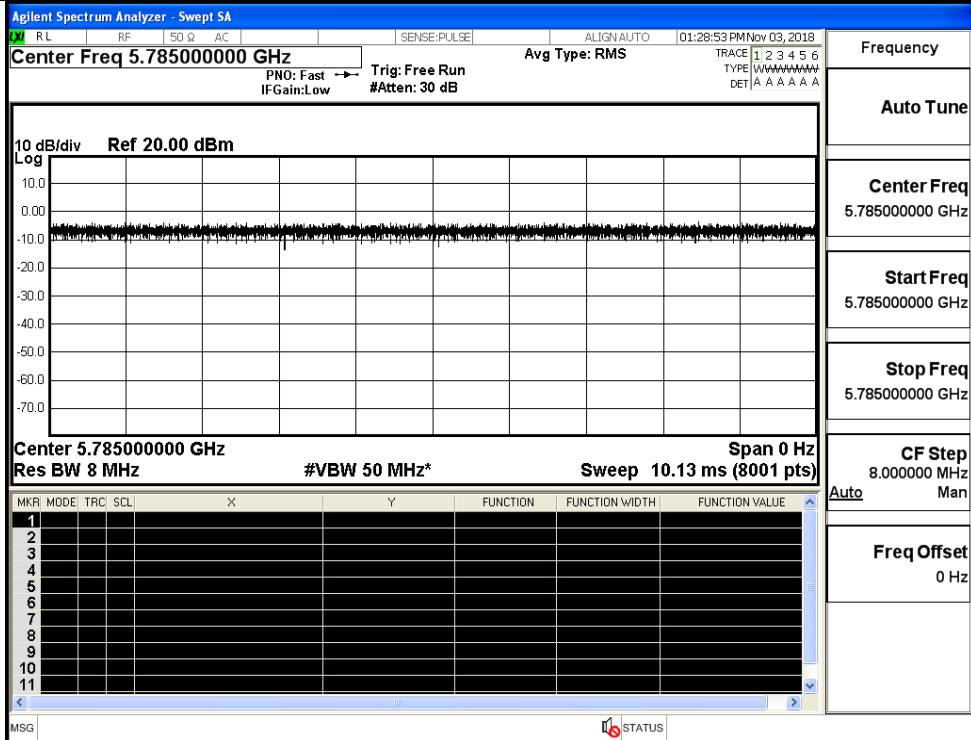
Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

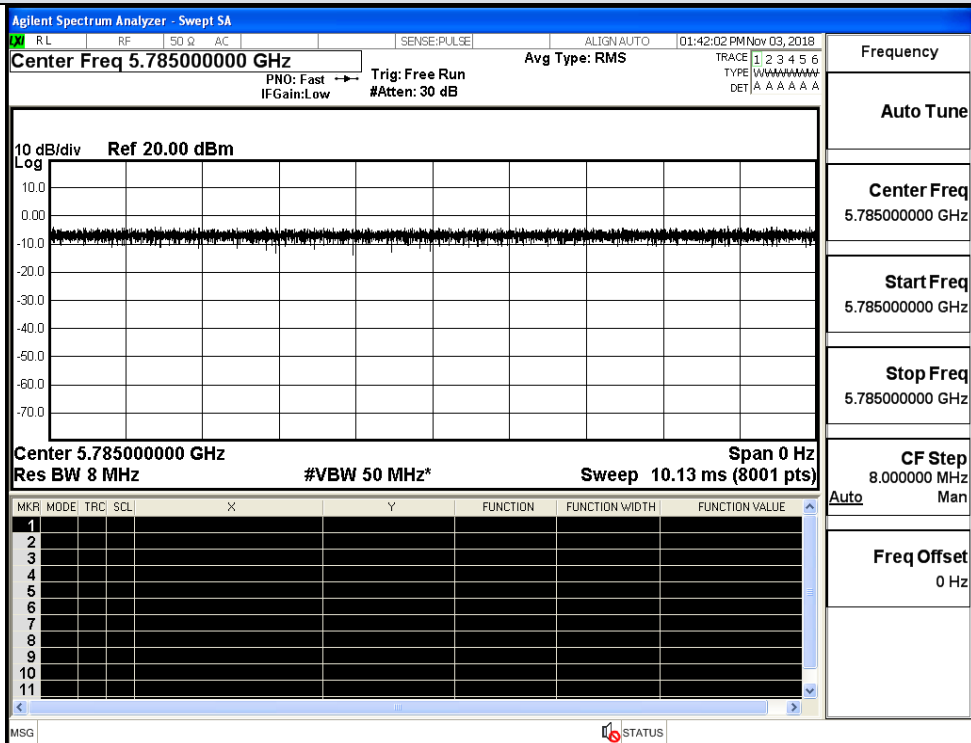
E.1 Duty Cycle

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW (KHz)
11A	5785	100	0.00	0.01
11N20 SISO	5785	100	0.00	0.01
11N40 SISO	5755	100	0.00	0.01
11AC20 SISO	5785	100	0.00	0.01
11AC40 SISO	5755	100	0.00	0.01
11AC80 SISO	5775	100	0.00	0.01

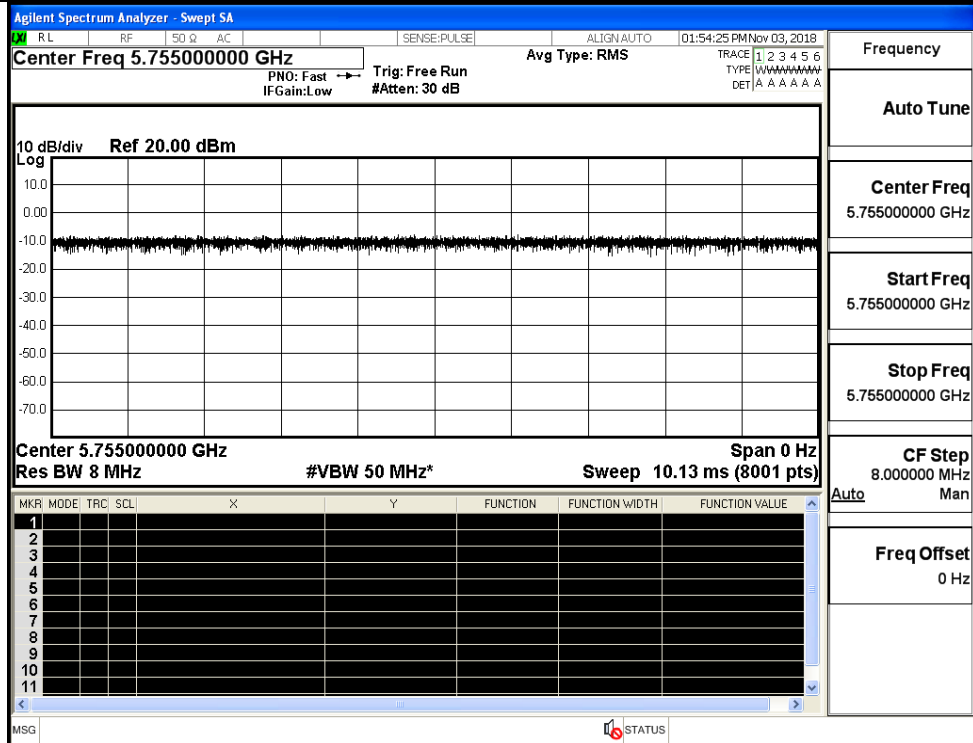
On Time and Duty Cycle



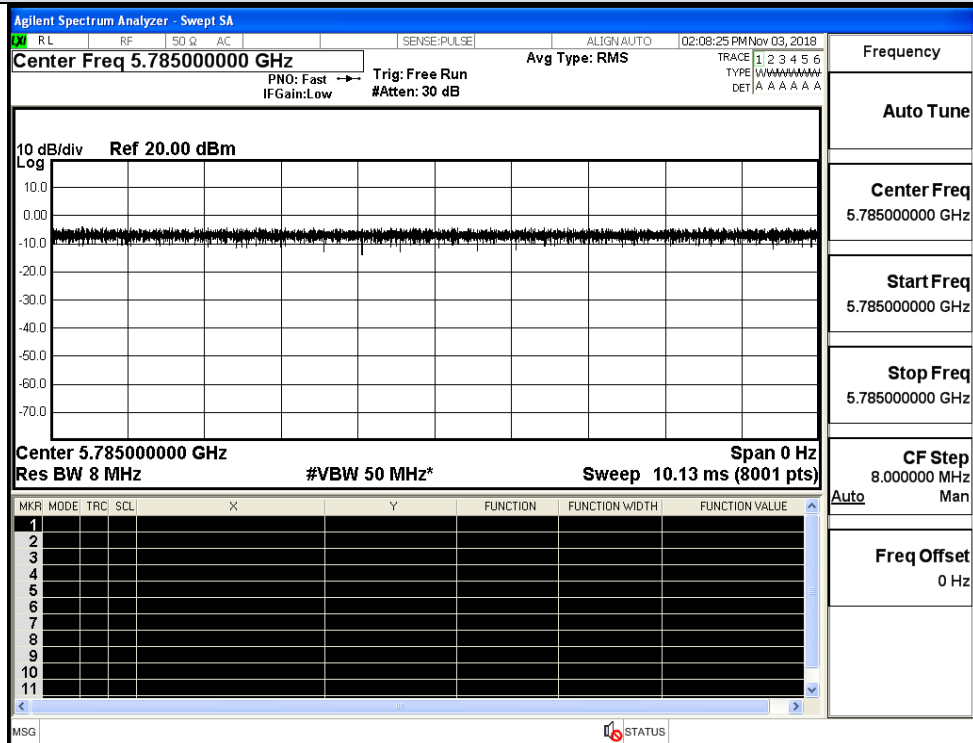
IEEE 802.11a



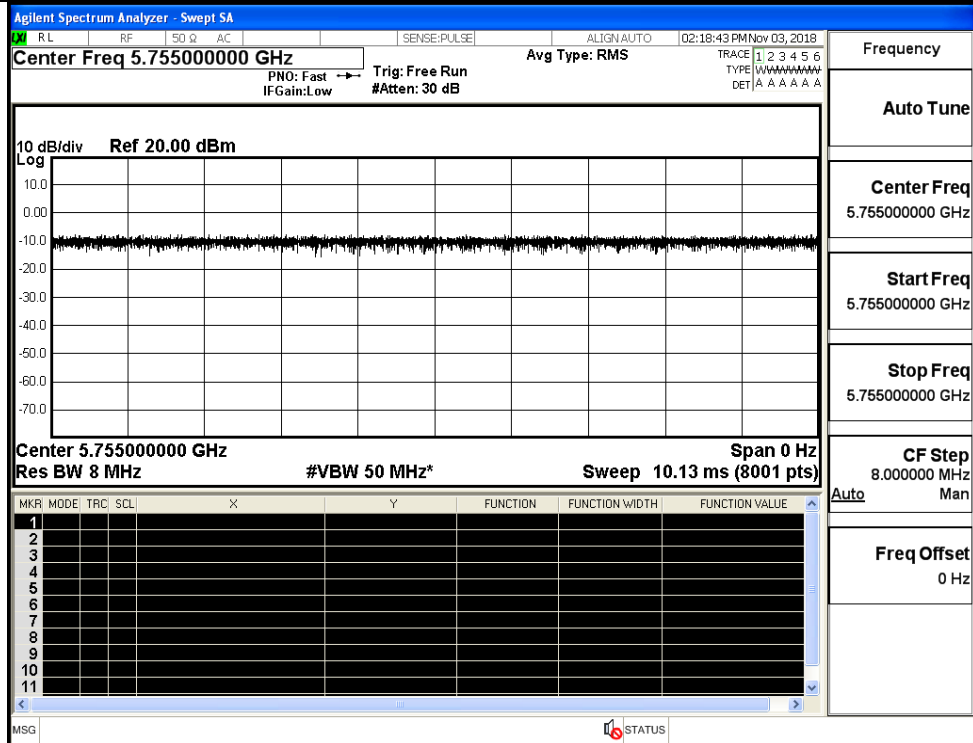
IEEE 802.11n HT20



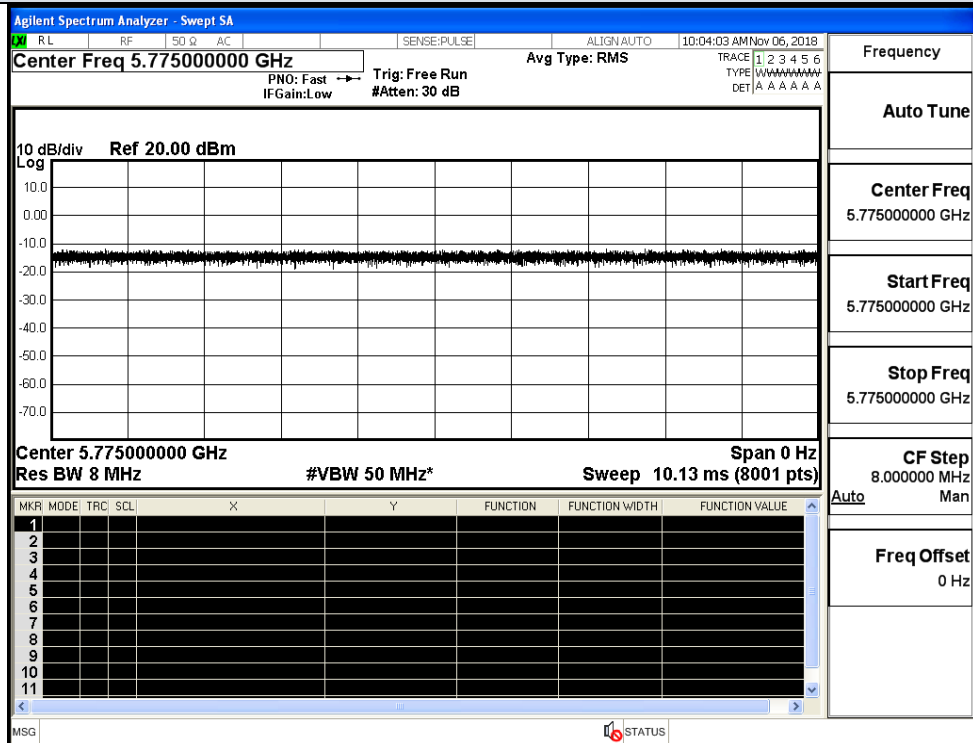
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



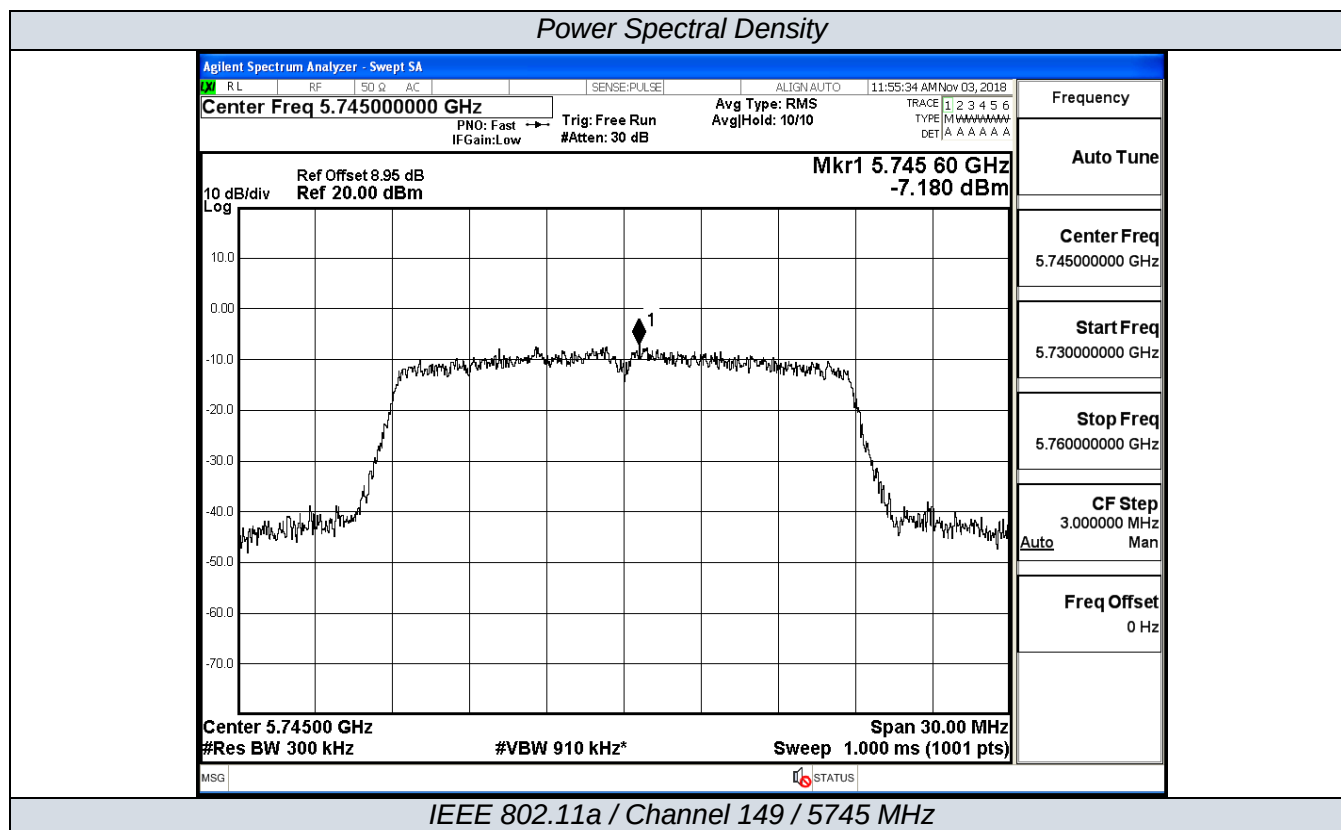
IEEE 802.11ac VHT80

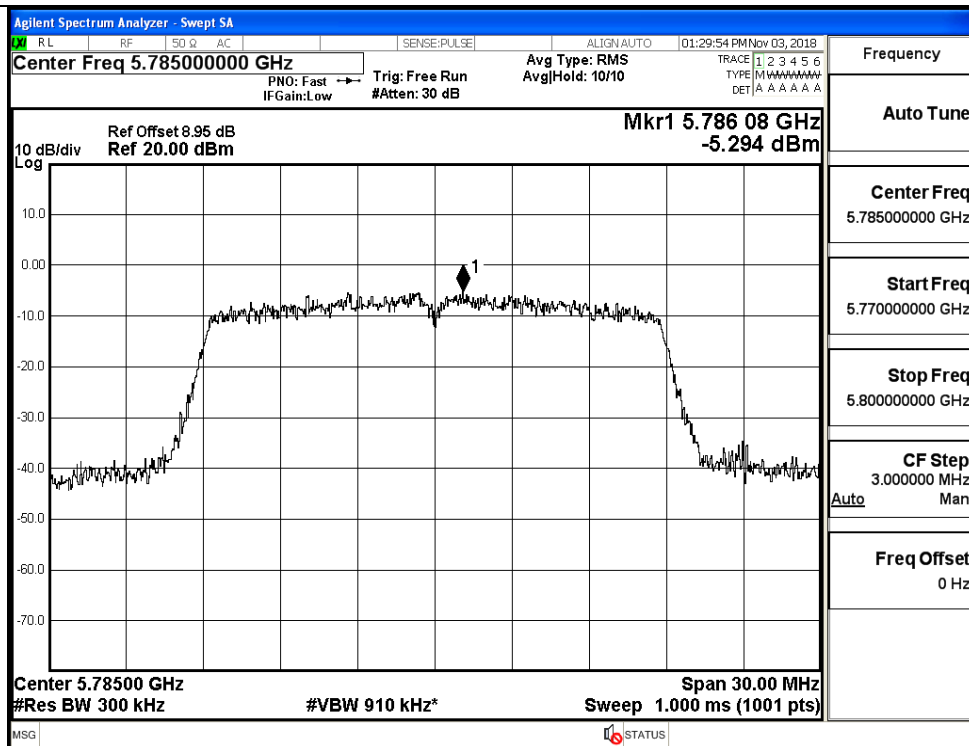
E.2 Maximum Conduct Output Power

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)	Limit (dBm)
IEEE 802.11a	149	5745	9.26	0	9.26	30
	157	5785	9.34	0	9.34	
	165	5825	9.35	0	9.35	
IEEE 802.11n HT20	149	5745	9.49	0	9.49	30
	157	5785	9.31	0	9.31	
	165	5825	9.28	0	9.28	
IEEE 802.11n HT40	151	5755	9.58	0	9.58	30
	159	5795	9.72	0	9.72	
IEEE 802.11ac VHT20	149	5745	9.53	0	9.53	30
	157	5785	9.89	0	9.89	
	165	5825	10.50	0	10.5	
IEEE 802.11ac VHT40	151	5755	9.83	0	9.83	30
	159	5795	10.22	0	10.22	
IEEE 802.11ac VHT80	155	5775	9.53	0	9.53	30

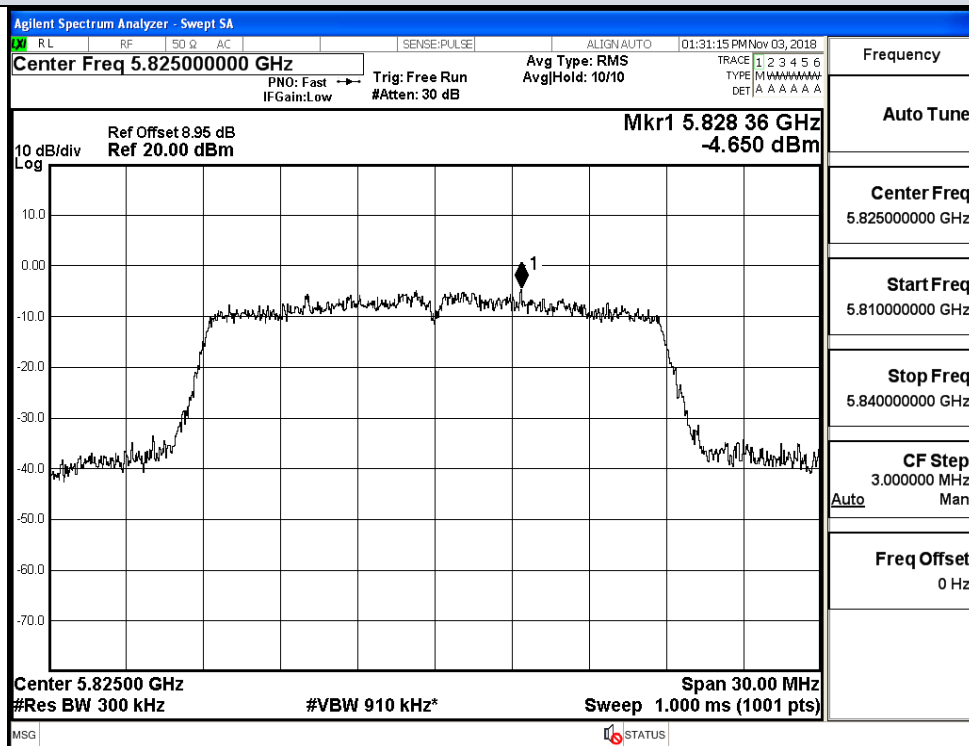
E.3 Power Spectral Density

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)
IEEE 802.11a	149	5745	-7.180	0	2.218	-4.962	30
	157	5785	-5.294	0	2.218	-3.076	
	165	5825	-4.850	0	2.218	-2.632	
IEEE 802.11n HT20	149	5745	-4.679	0	2.218	-2.461	30
	157	5785	-4.367	0	2.218	-2.149	
	165	5825	-4.226	0	2.218	-2.008	
IEEE 802.11n HT40	151	5755	-7.870	0	2.218	-5.652	30
	159	5795	-7.450	0	2.218	-5.232	
IEEE 802.11ac VHT20	149	5745	-4.591	0	2.218	-2.373	30
	157	5785	-4.065	0	2.218	-1.847	
	165	5825	-4.747	0	2.218	-2.529	
IEEE 802.11ac VHT40	151	5755	-7.483	0	2.218	-5.265	30
	159	5795	-7.244	0	2.218	-5.026	
IEEE 802.11ac VHT80	155	5775	-11.671	0	2.218	-9.453	30



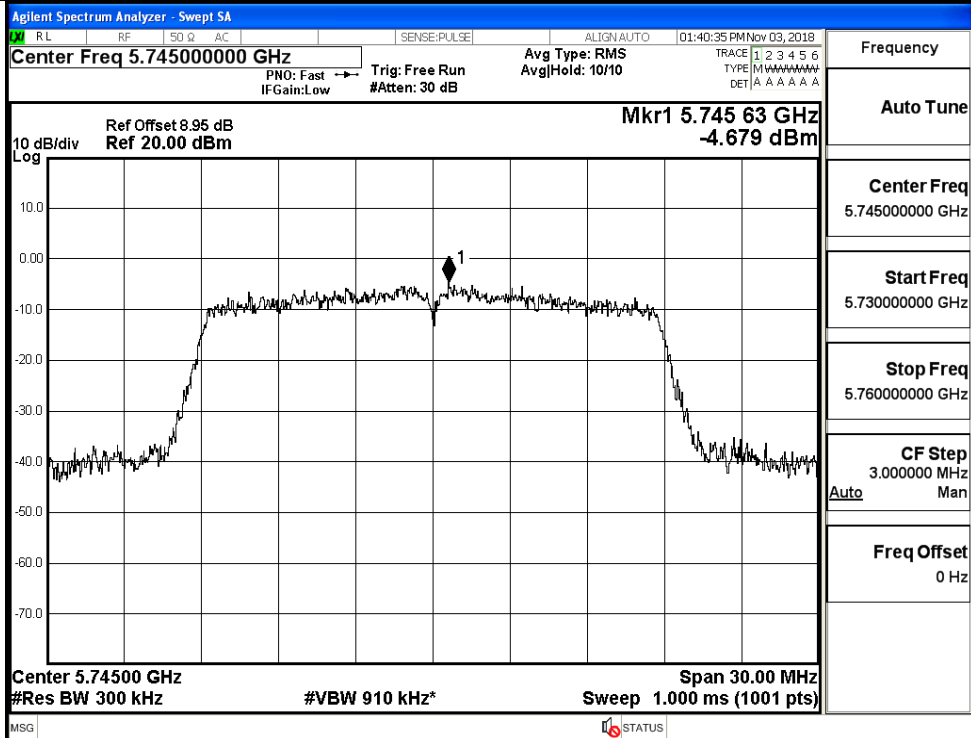


IEEE 802.11a / Channel 157 / 5785 MHz

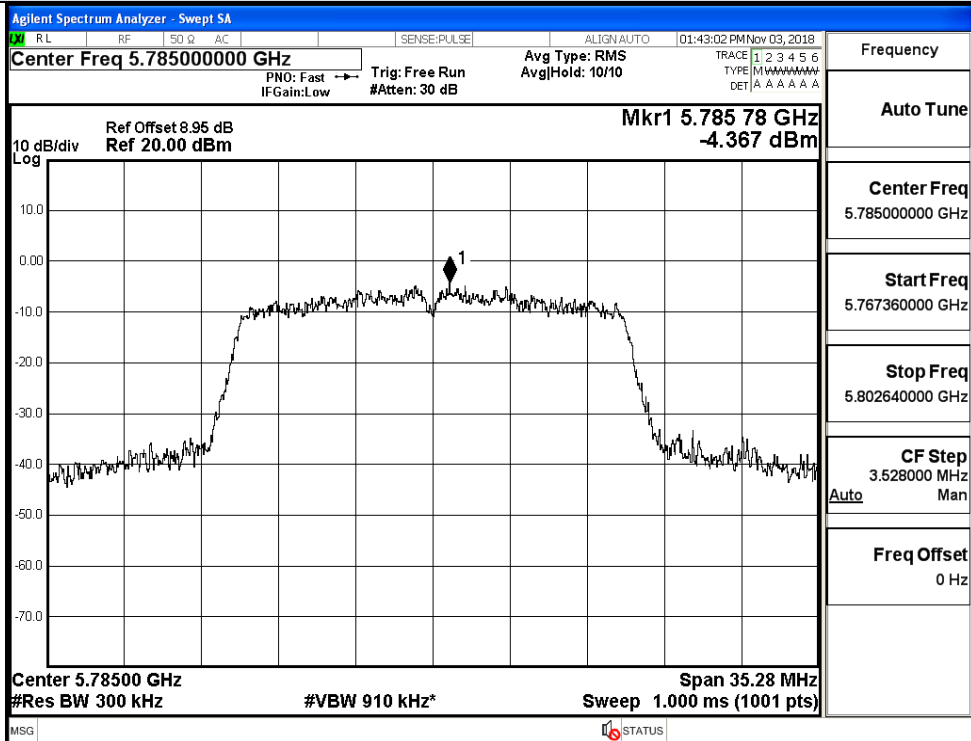


IEEE 802.11a / Channel 165 / 5825 MHz

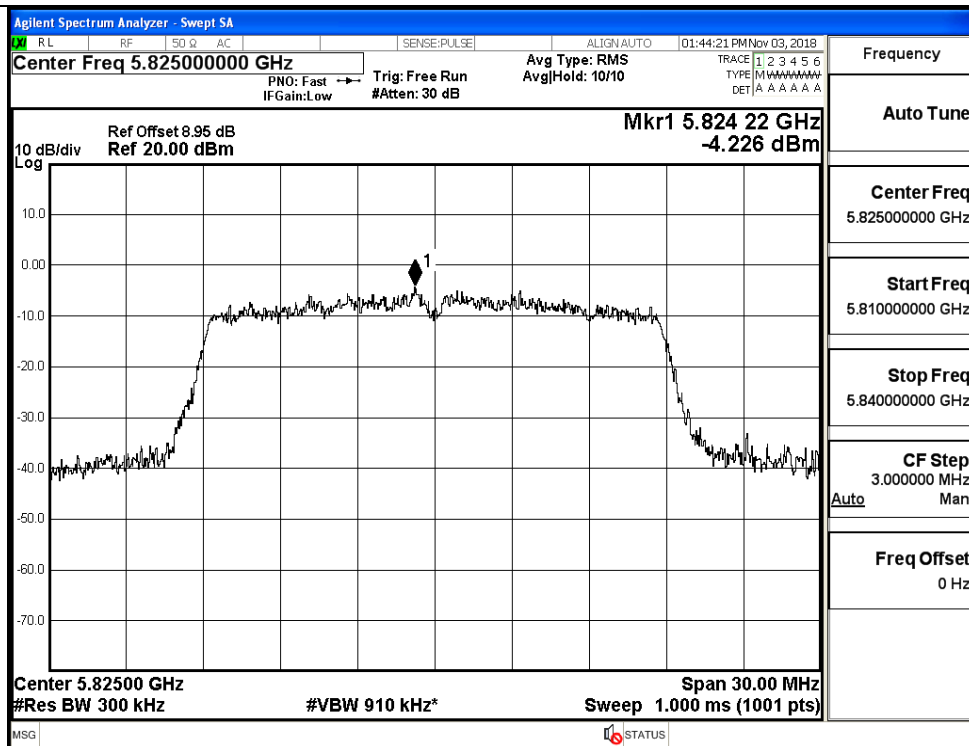
Power Spectral Density



IEEE 802.11n HT20 / Channel 149 / 5745 MHz

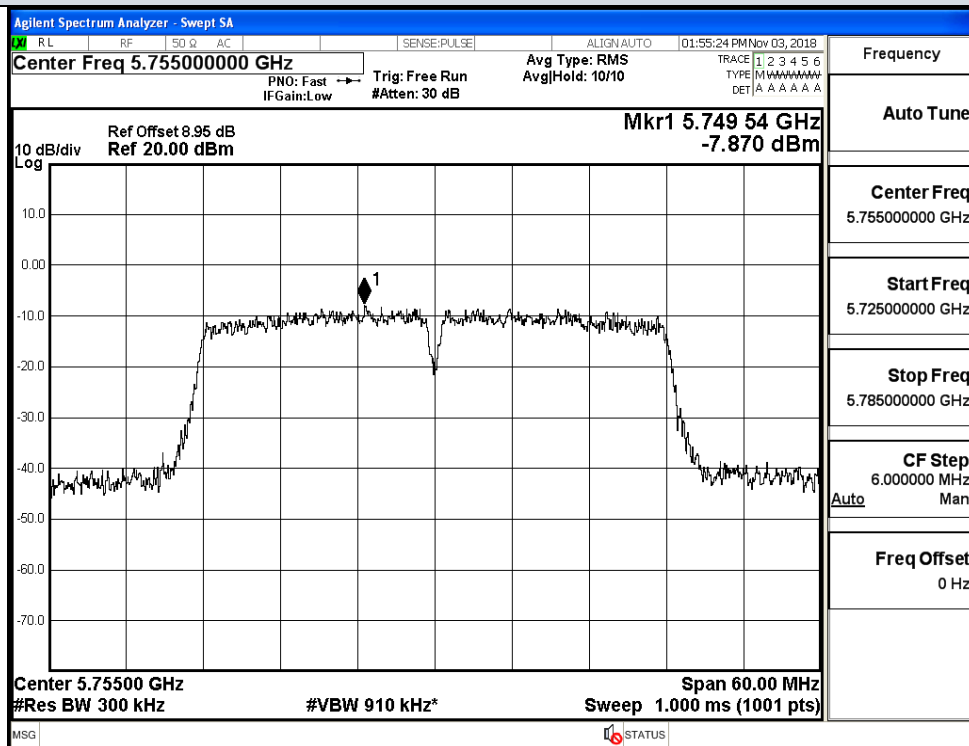


IEEE 802.11n HT20 / Channel 157 / 5785 MHz

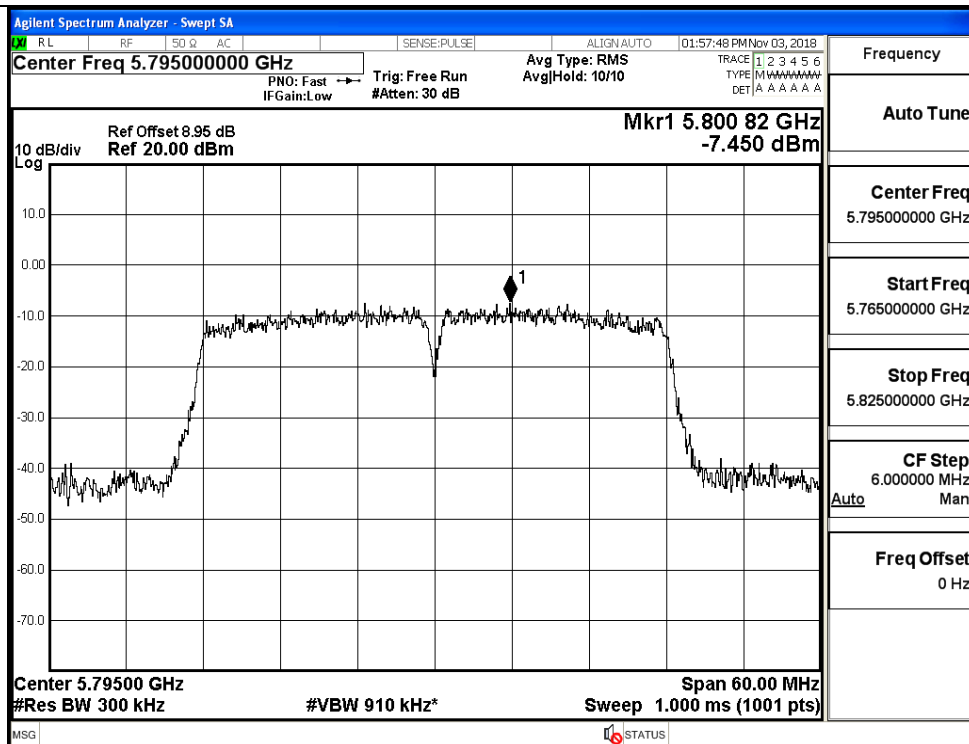


IEEE 802.11n HT20 / Channel 165 / 5825 MHz

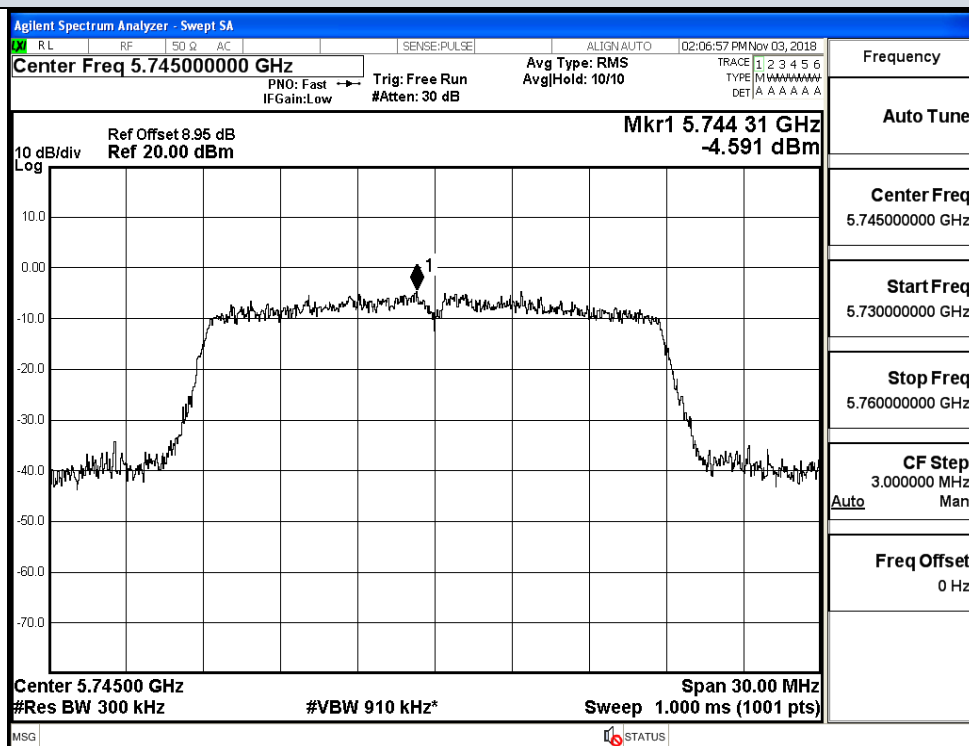
Power Spectral Density



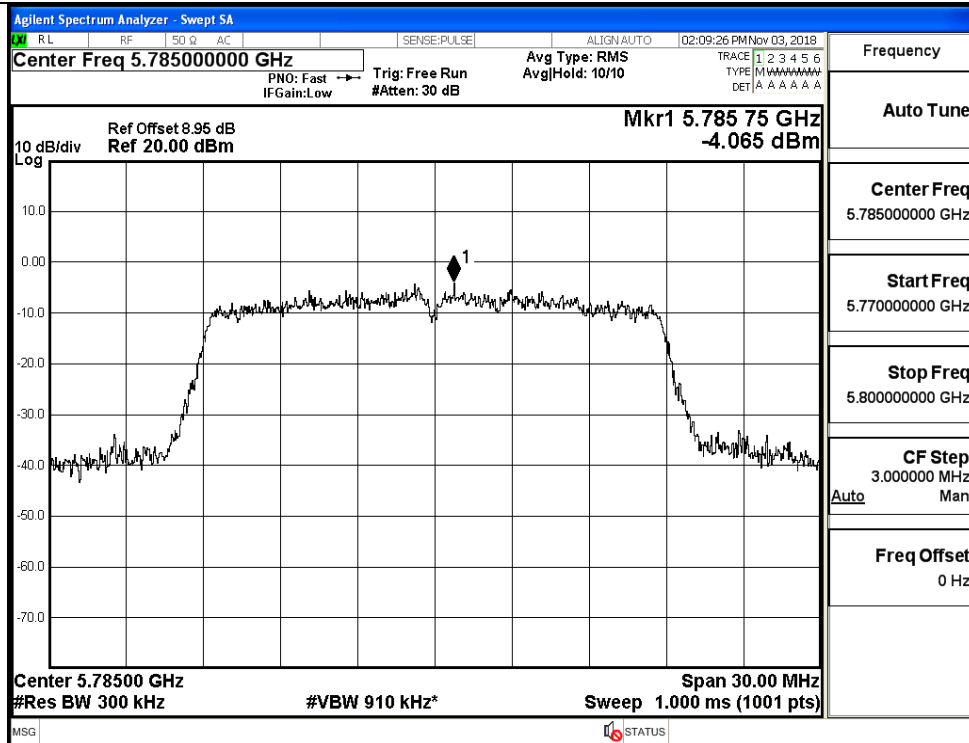
IEEE 802.11n HT40 / Channel 151 / 5755 MHz



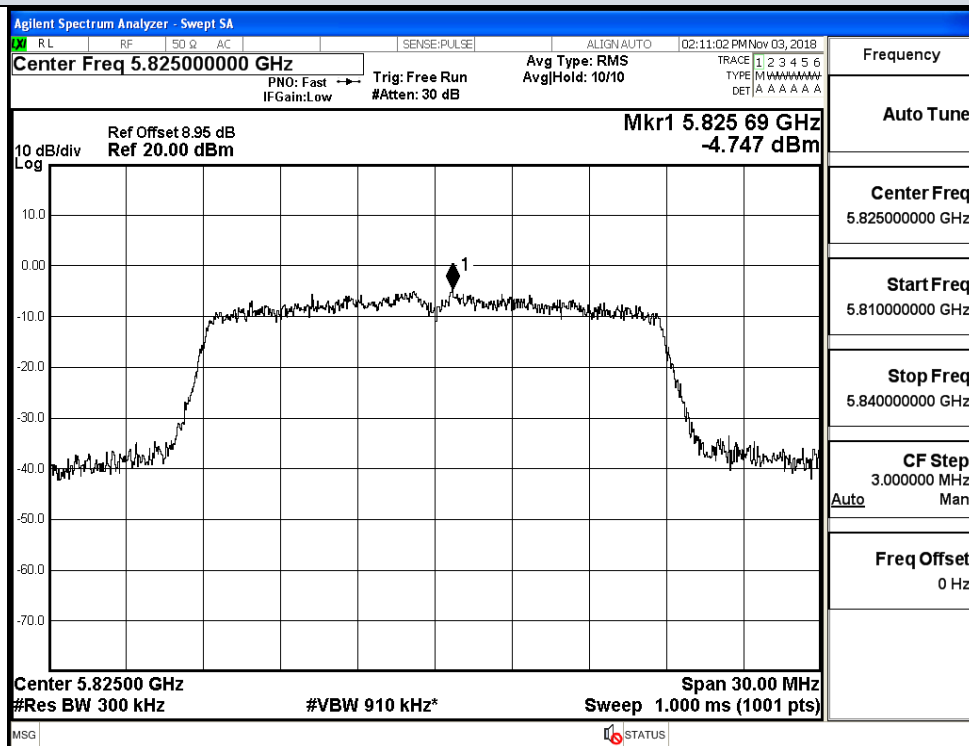
IEEE 802.11n HT40 / Channel 159 / 5795 MHz



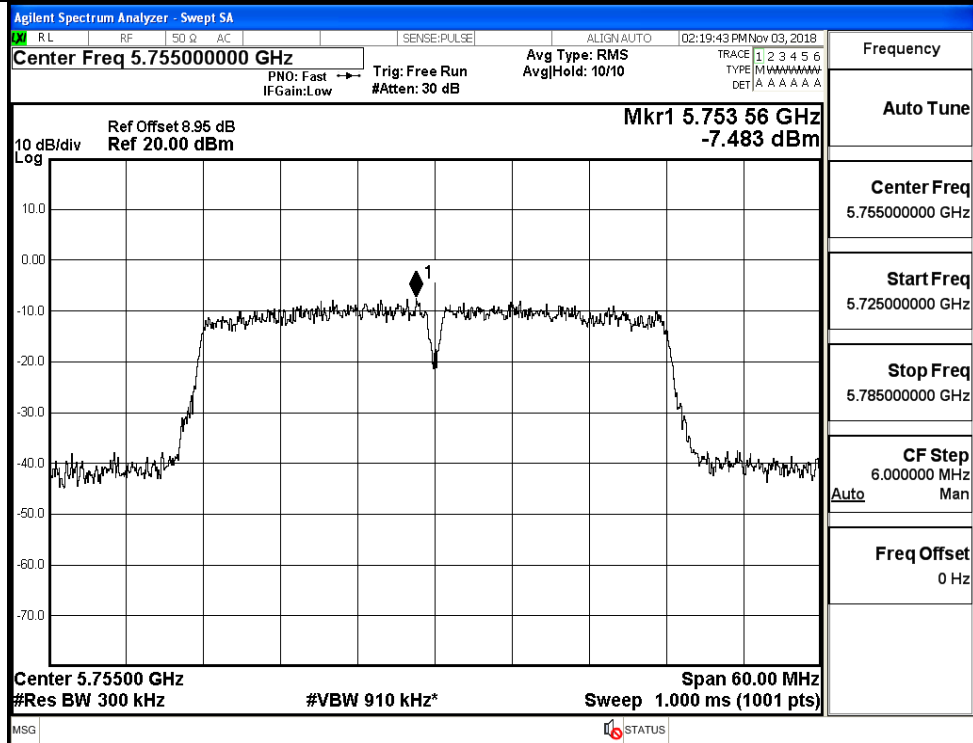
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz



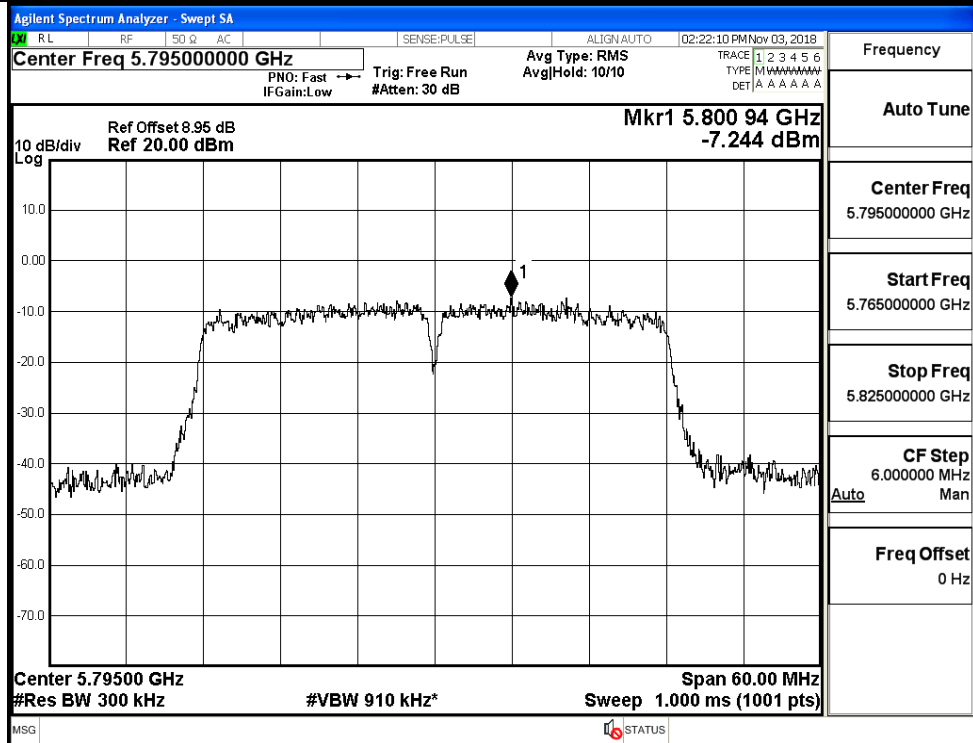
IEEE 802.11ac VHT20 / Channel 157 / 5785 MHz



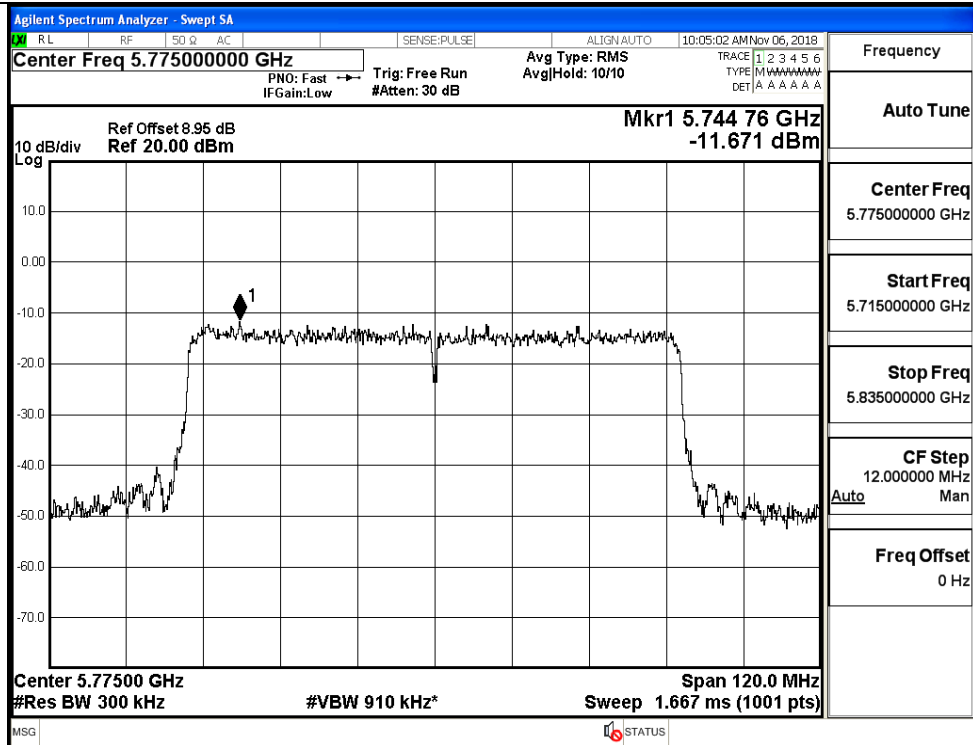
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz



IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz



IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz

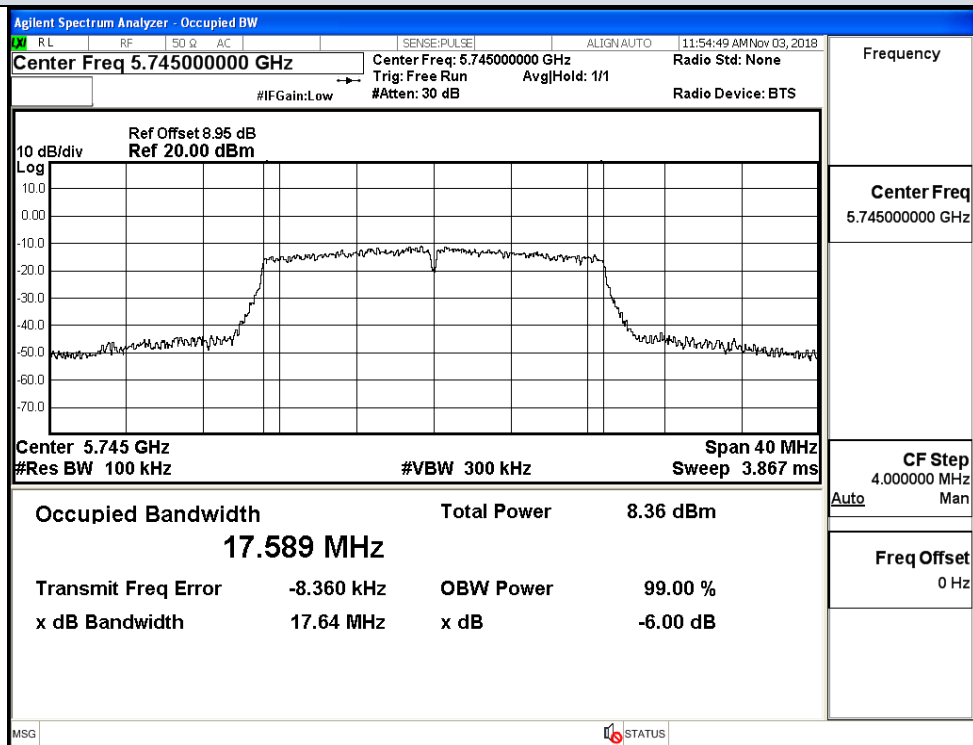


IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz

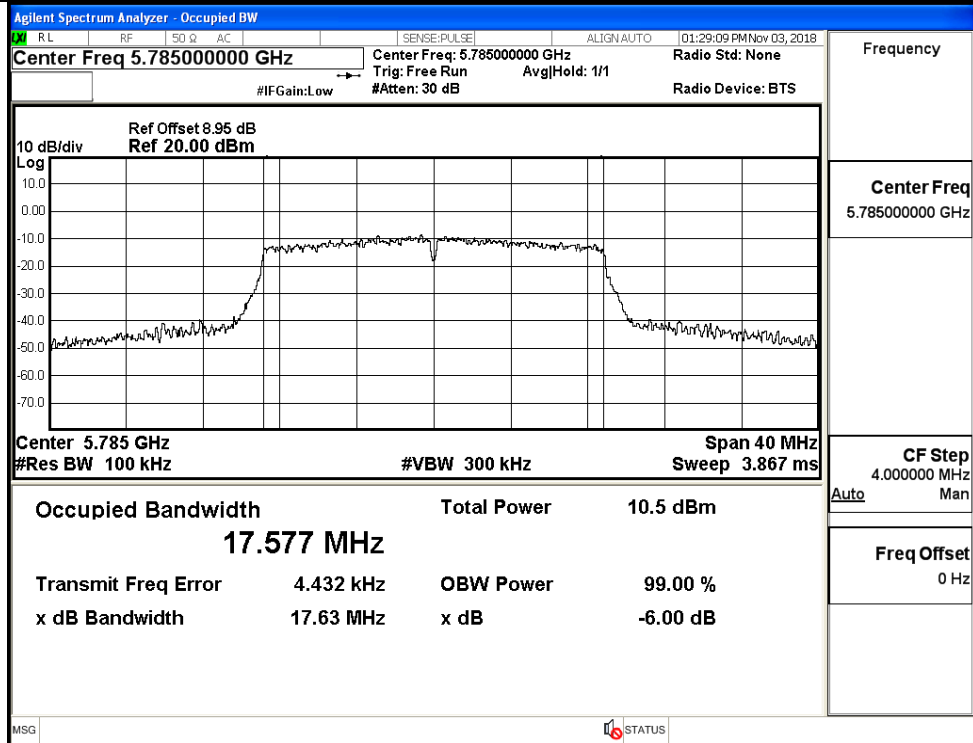
E.4 Emission Bandwidth

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
IEEE 802.11a	149	5745	17.640	17.634	>=0.5
	157	5785	17.630	17.609	
	165	5825	17.640	17.621	
IEEE 802.11n HT20	149	5745	17.610	17.594	>=0.5
	157	5785	17.640	36.133	
	165	5825	17.630	17.621	
IEEE 802.11n HT40	151	5755	36.360	35.936	>=0.5
	159	5795	36.390	35.909	
IEEE 802.11ac VHT20	149	5745	17.610	17.609	>=0.5
	157	5785	17.650	17.618	
	165	5825	17.630	17.613	
IEEE 802.11ac VHT40	151	5755	36.390	35.942	>=0.5
	159	5795	36.350	35.908	
IEEE 802.11ac VHT80	155	5775	76.430	75.435	>=0.5

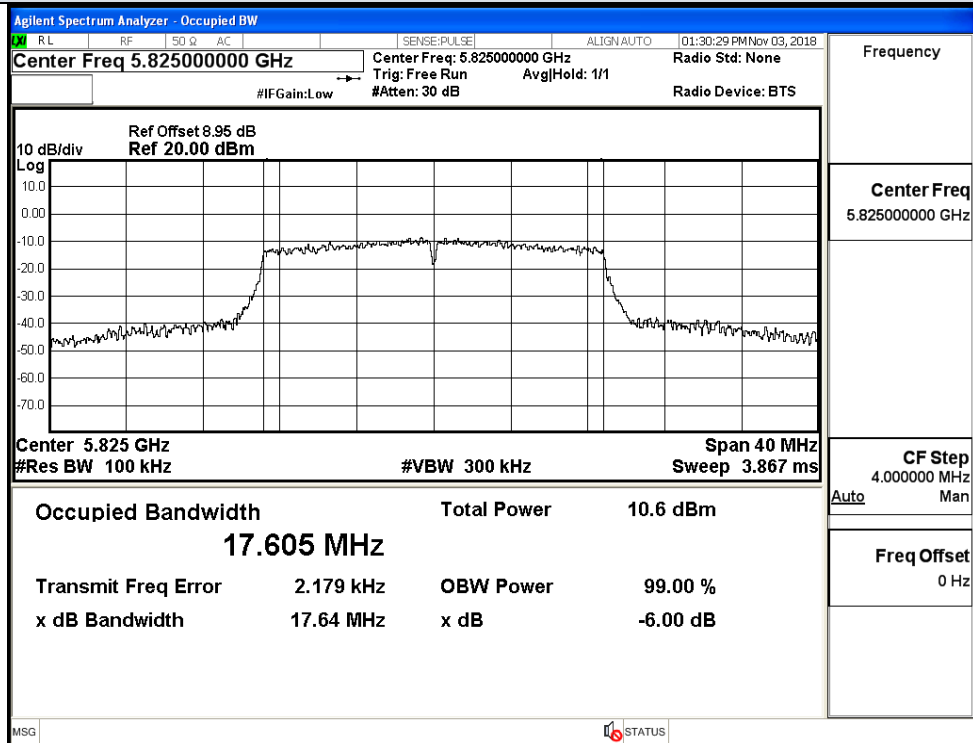
6dB Bandwidth



IEEE 802.11a / Channel 149 / 5745 MHz

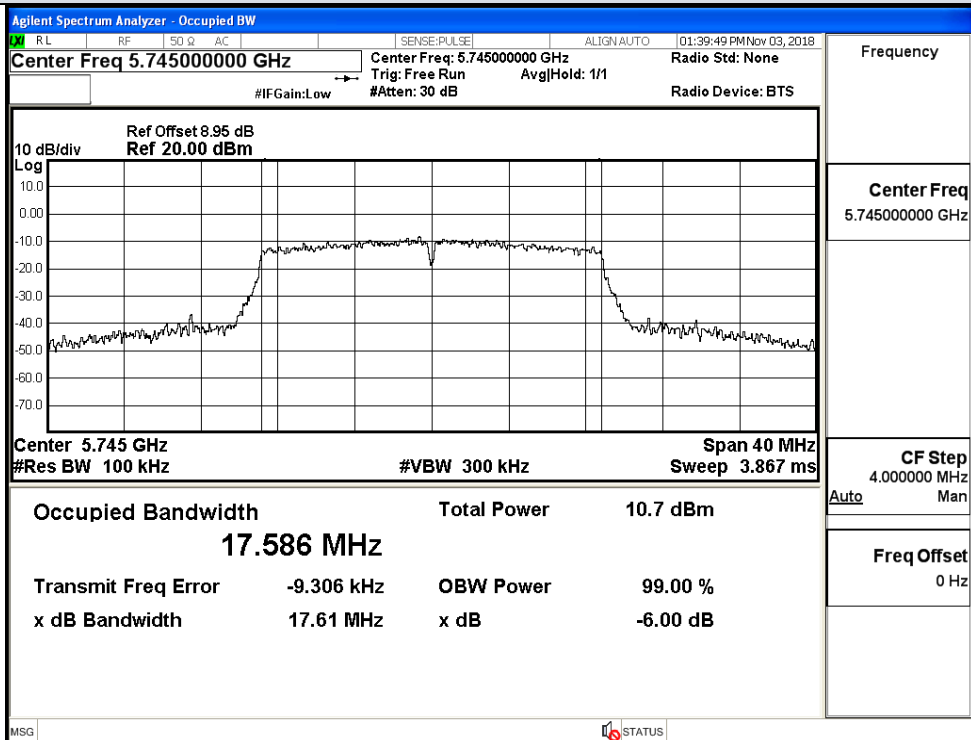


IEEE 802.11a / Channel 157 / 5785 MHz

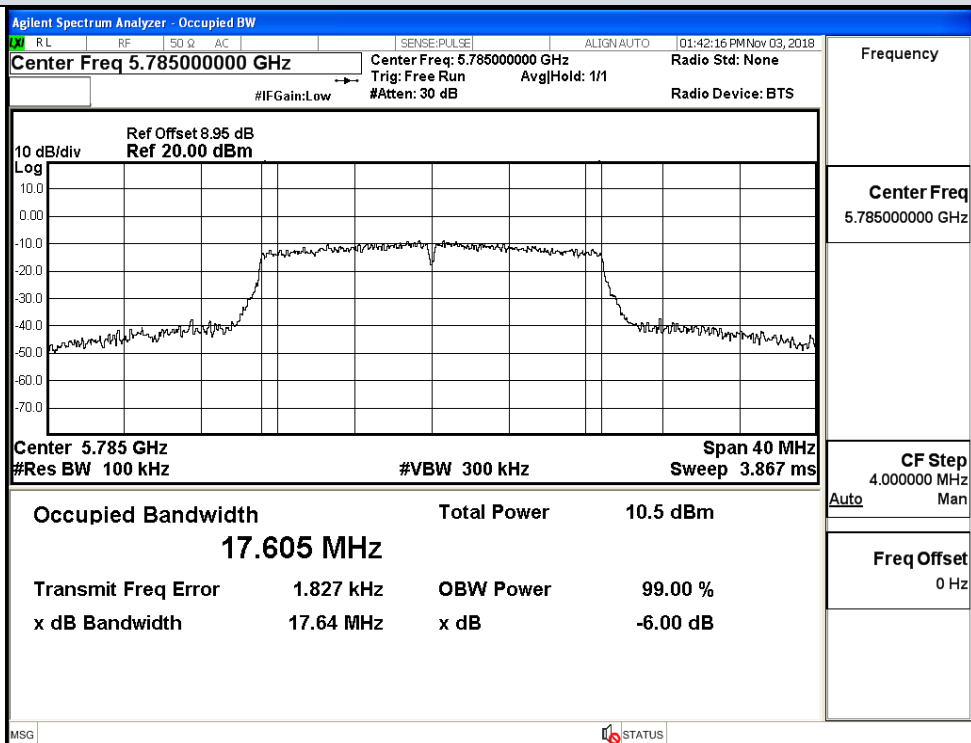


IEEE 802.11a / Channel 165 / 5825 MHz

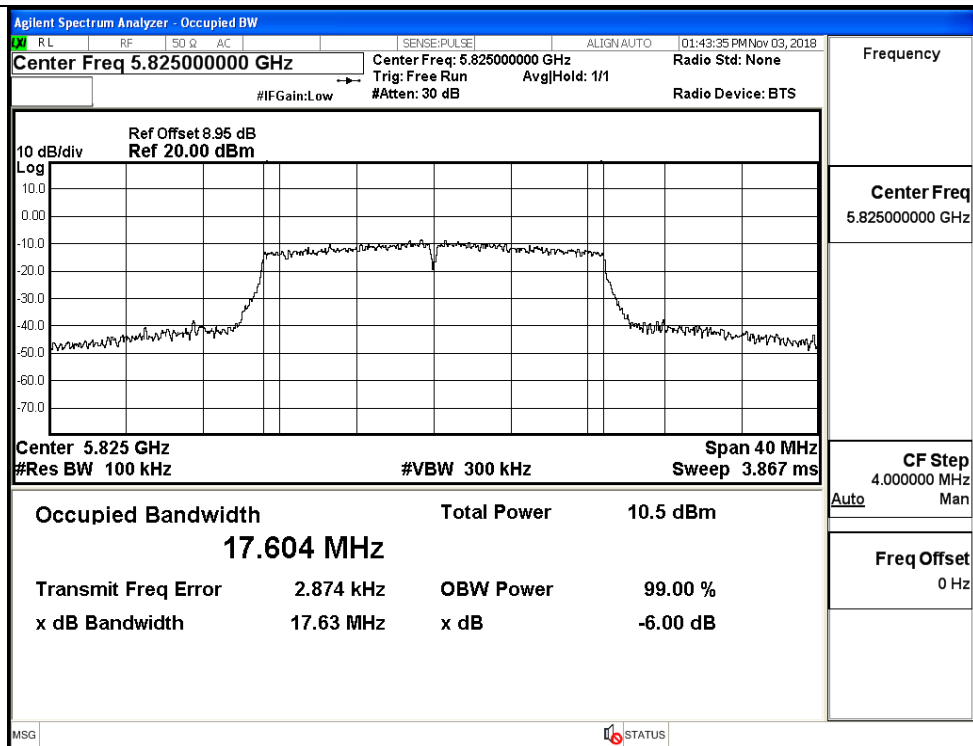
6dB Bandwidth



IEEE 802.11n HT20 / Channel 149 / 5745 MHz

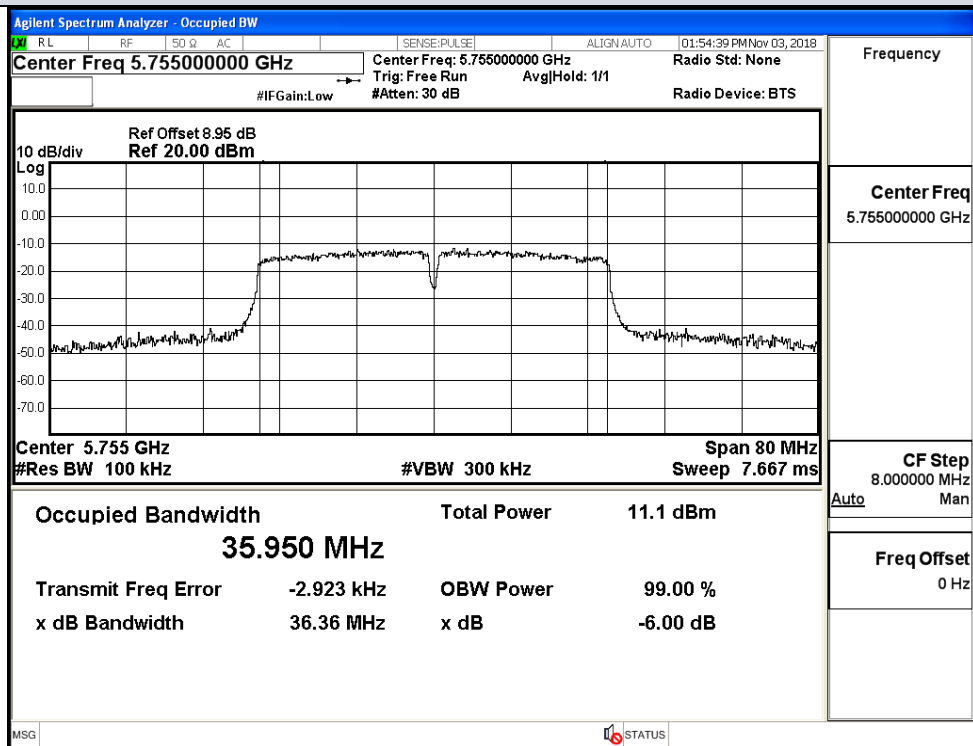


IEEE 802.11n HT20 / Channel 157 / 5785 MHz

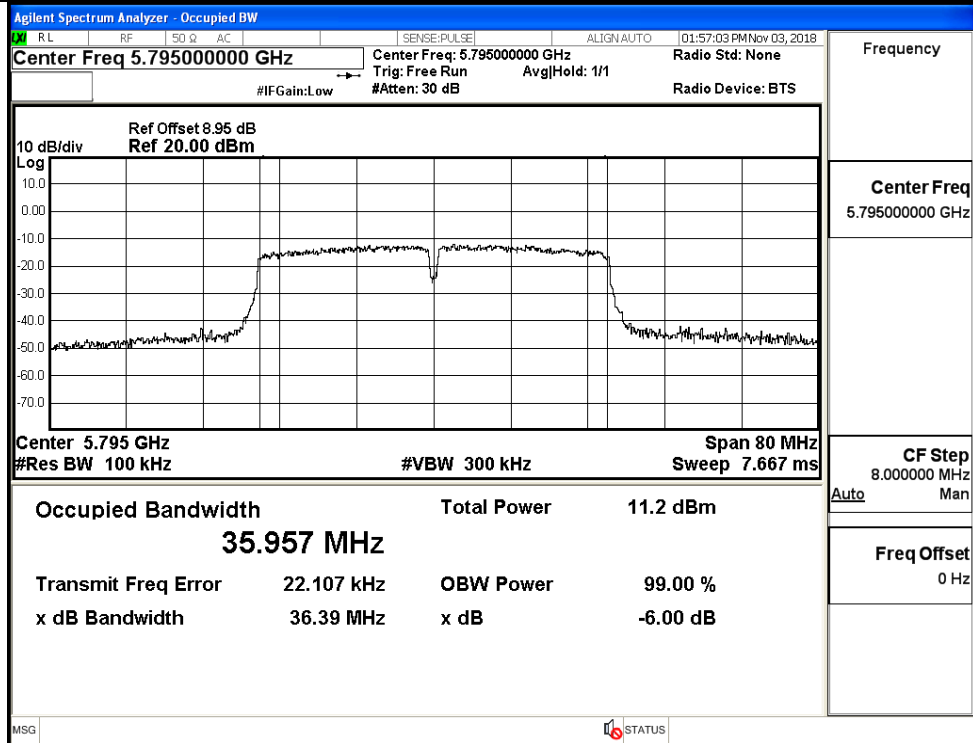


IEEE 802.11n HT20 / Channel 165 / 5825 MHz

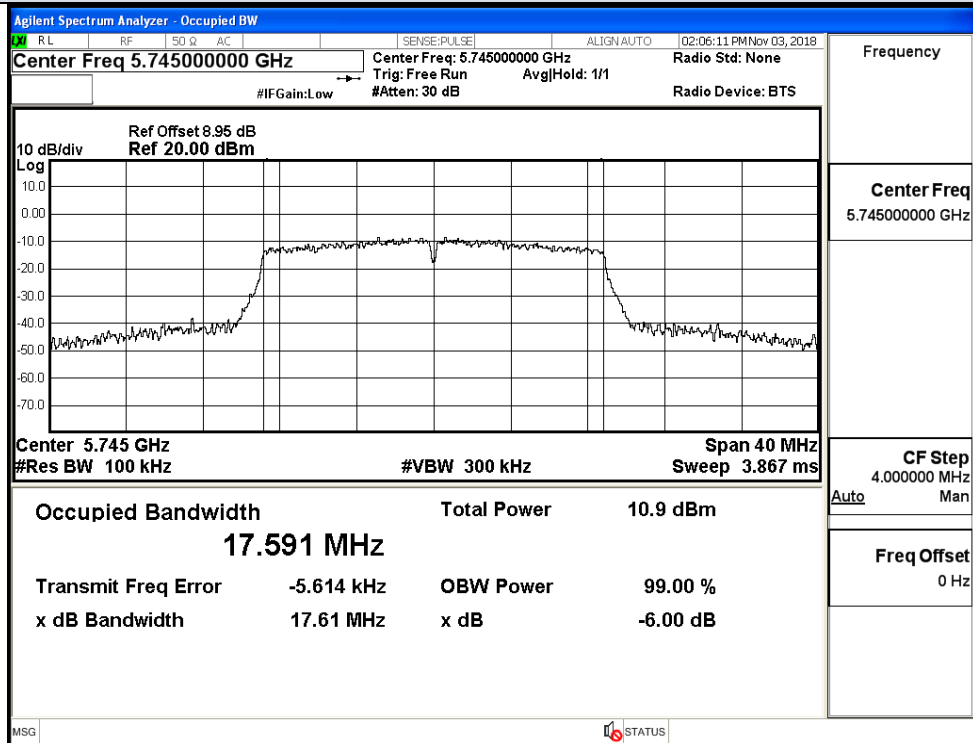
6dB Bandwidth



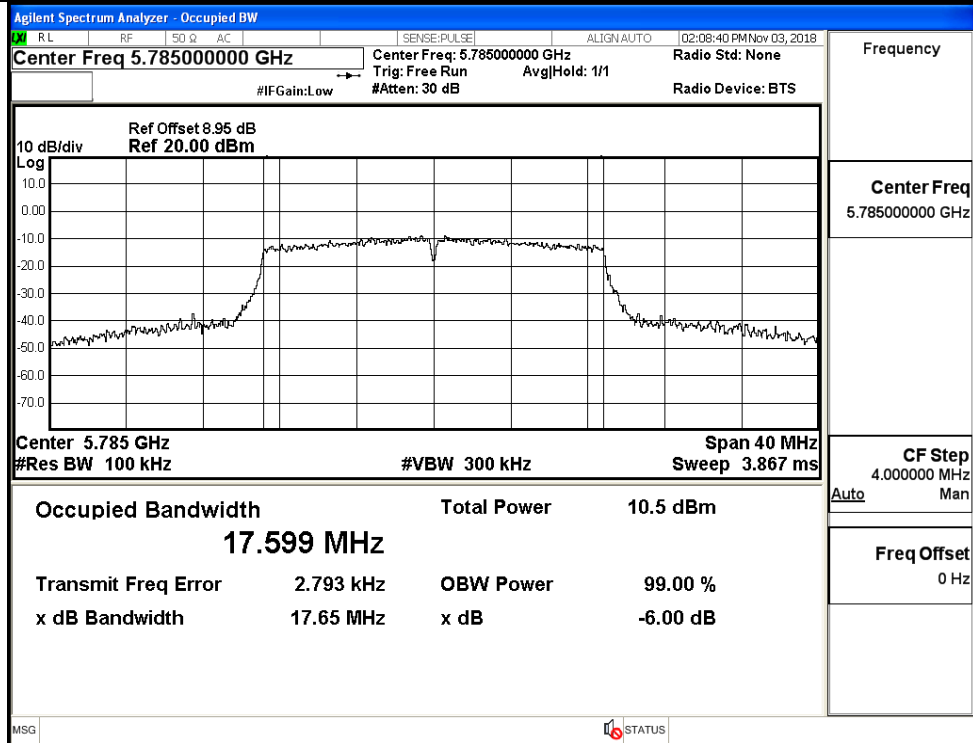
IEEE 802.11n HT40 / Channel 151 / 5755 MHz



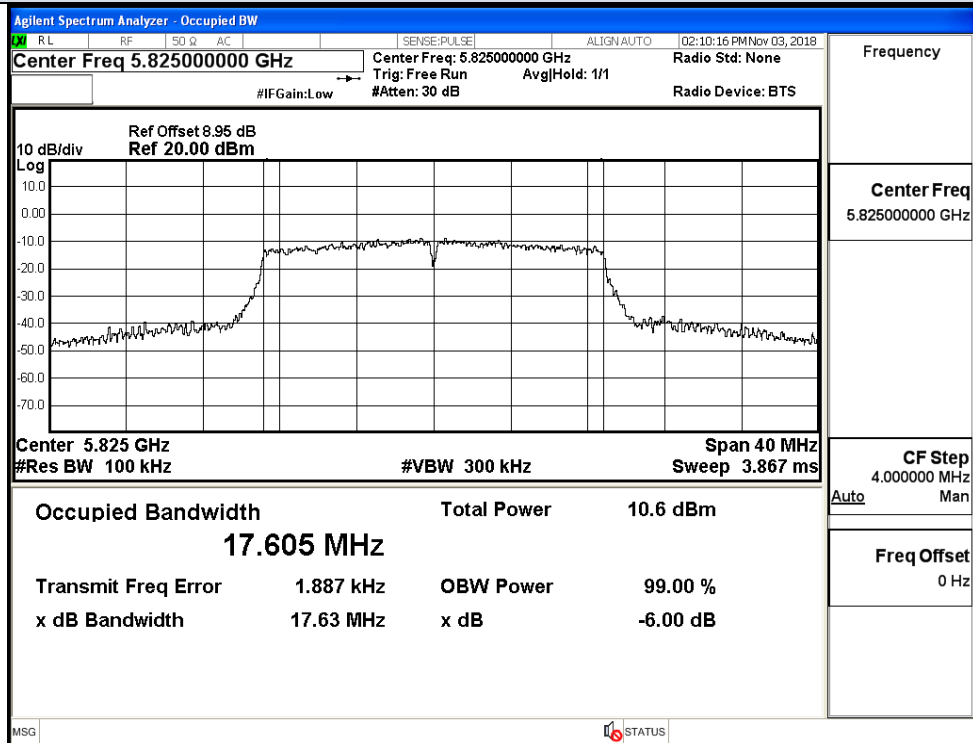
IEEE 802.11n HT40 / Channel 159 / 5795 MHz



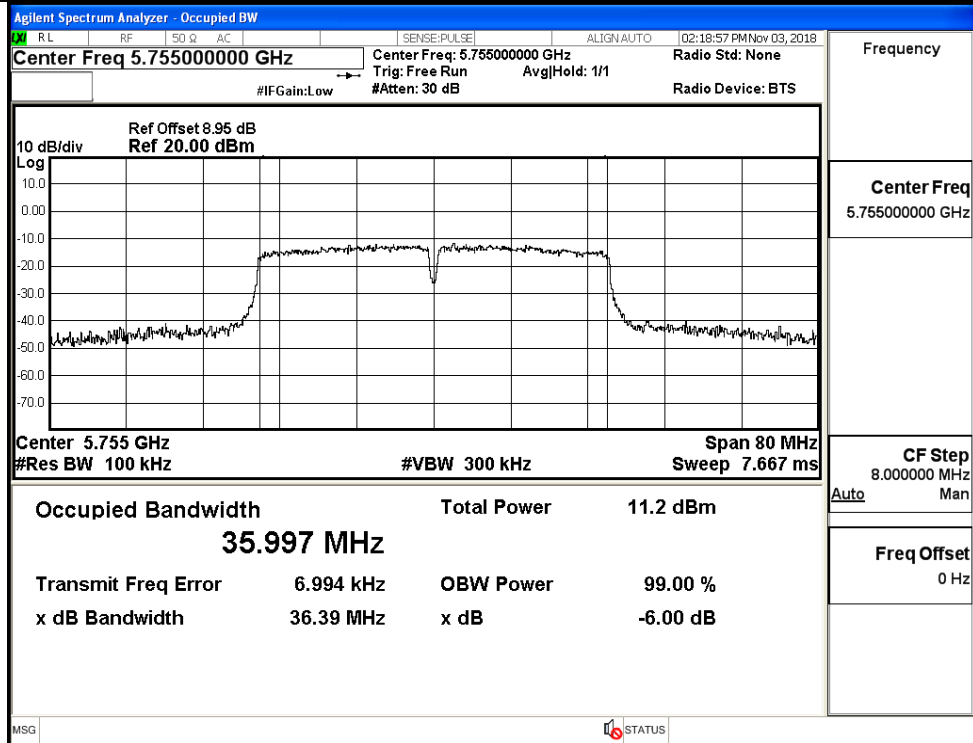
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz



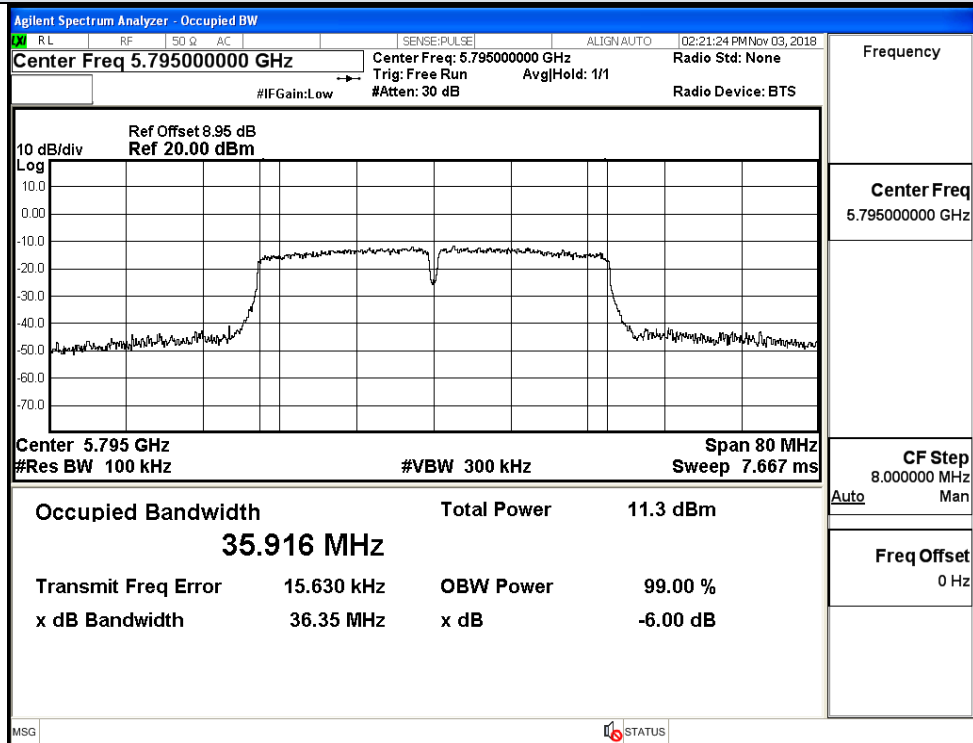
IEEE 802.11ac VHT20 / Channel 157 / 5785 MHz



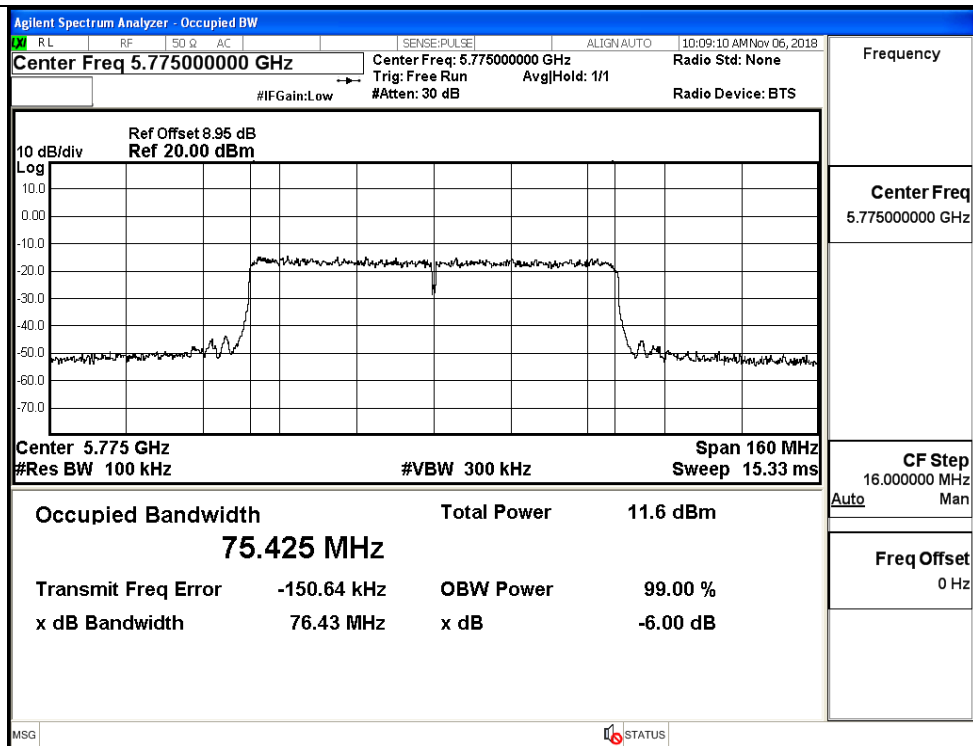
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz



IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz

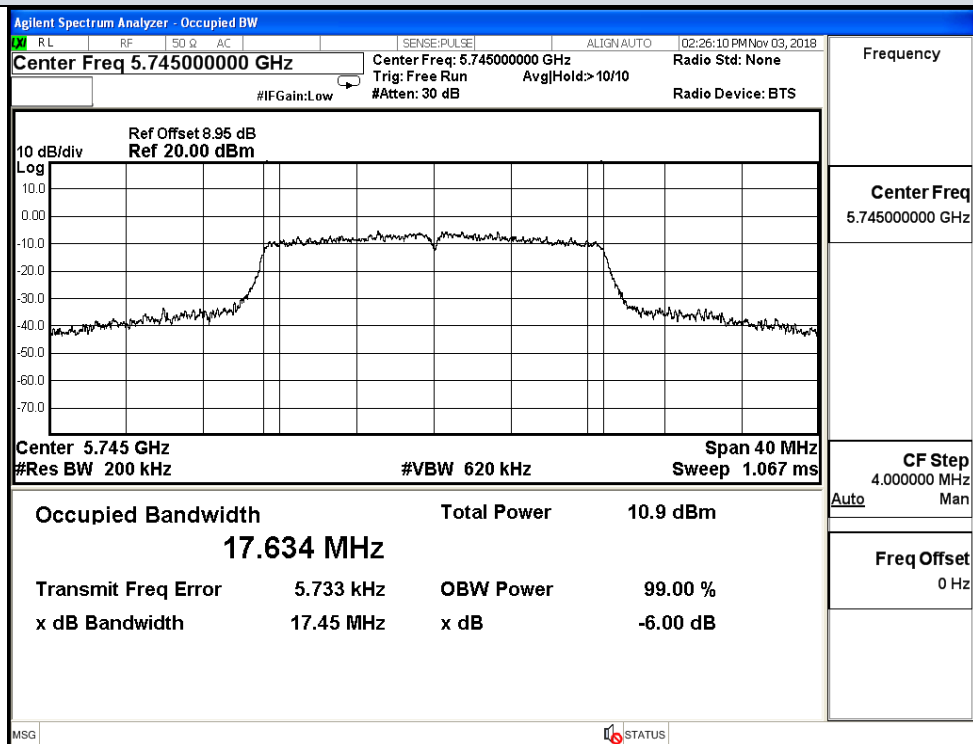


IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz

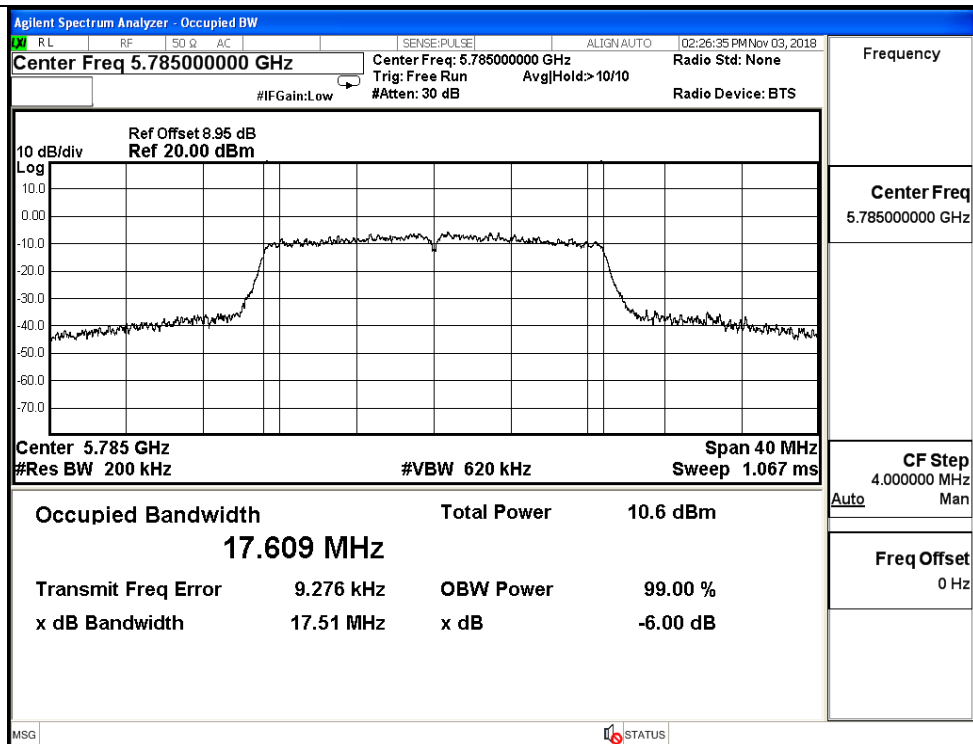


IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz

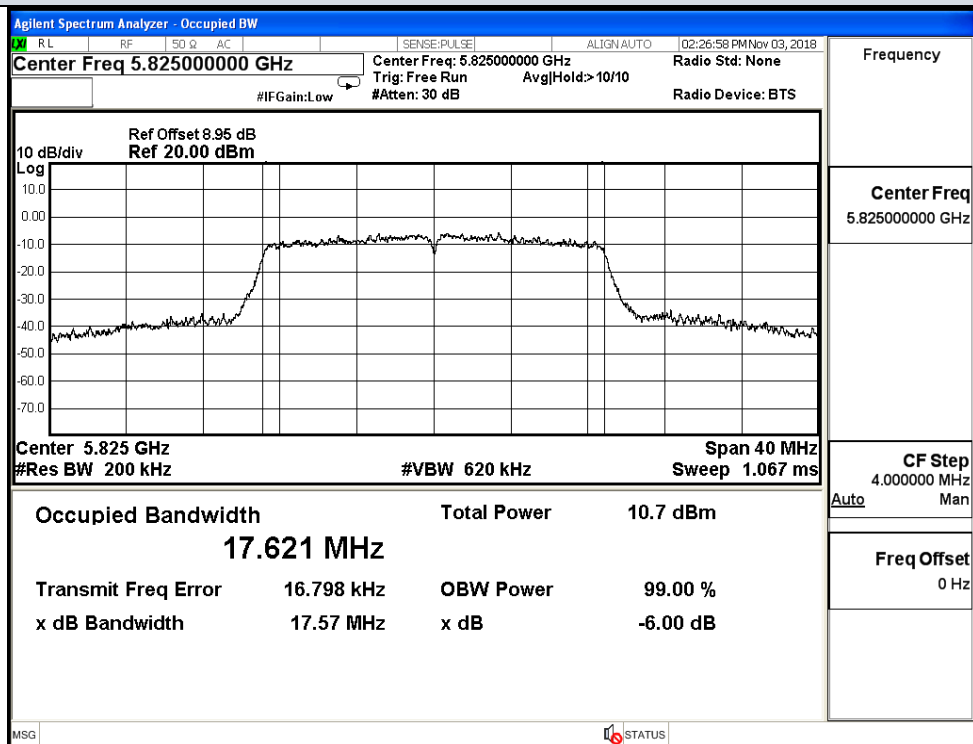
99% Occupied Bandwidth



IEEE 802.11a / Channel 149 / 5745 MHz

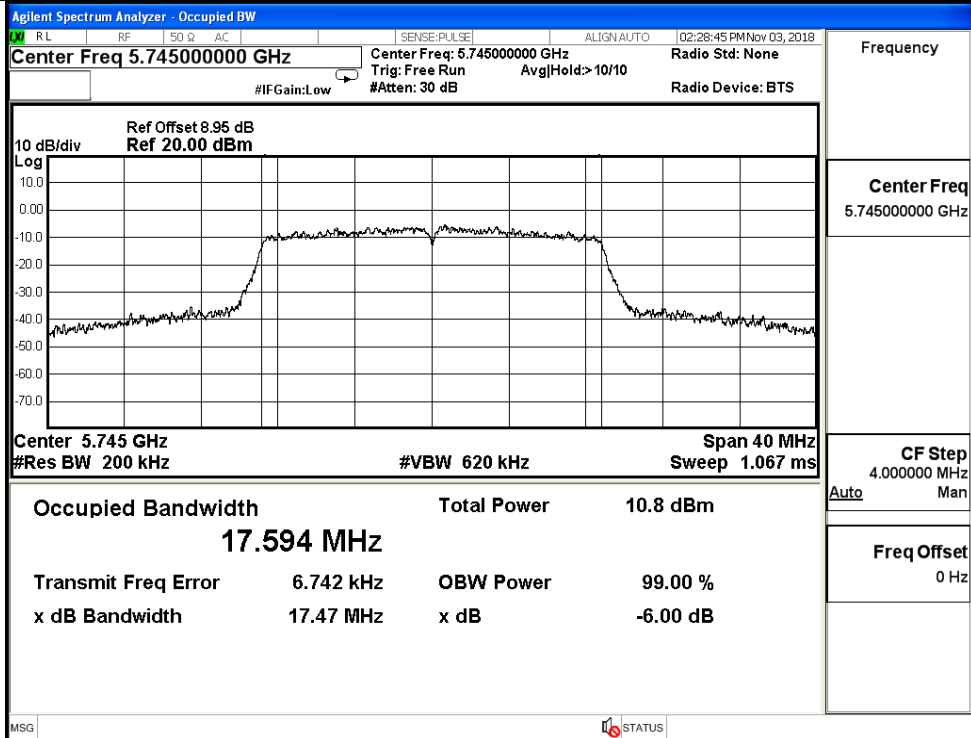


IEEE 802.11a / Channel 157 / 5785 MHz

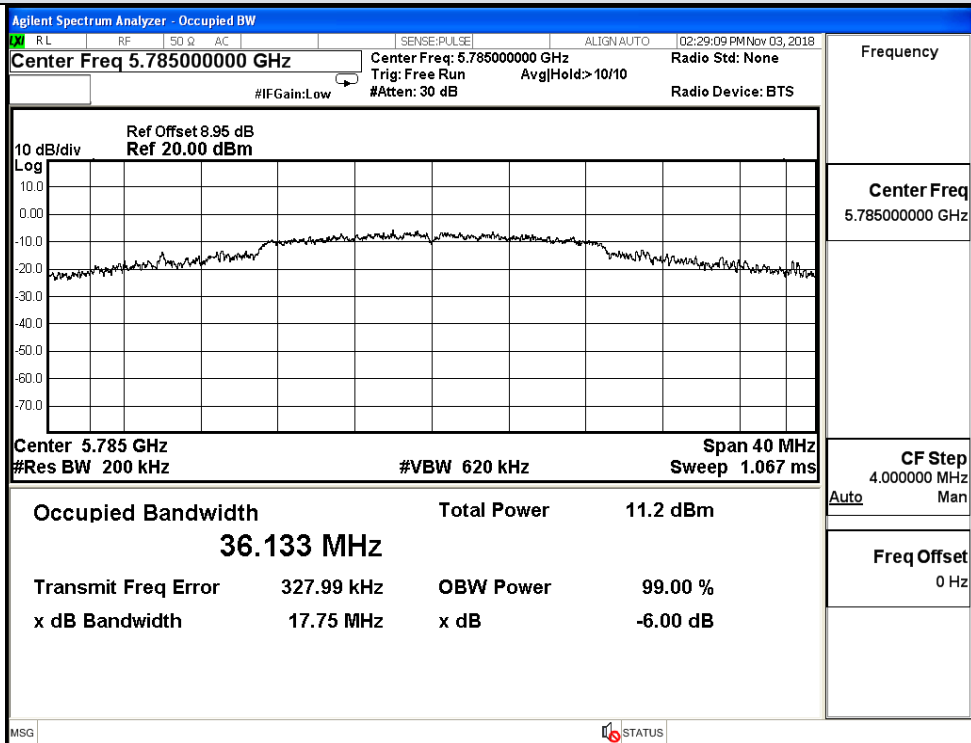


IEEE 802.11a / Channel 165 / 5825 MHz

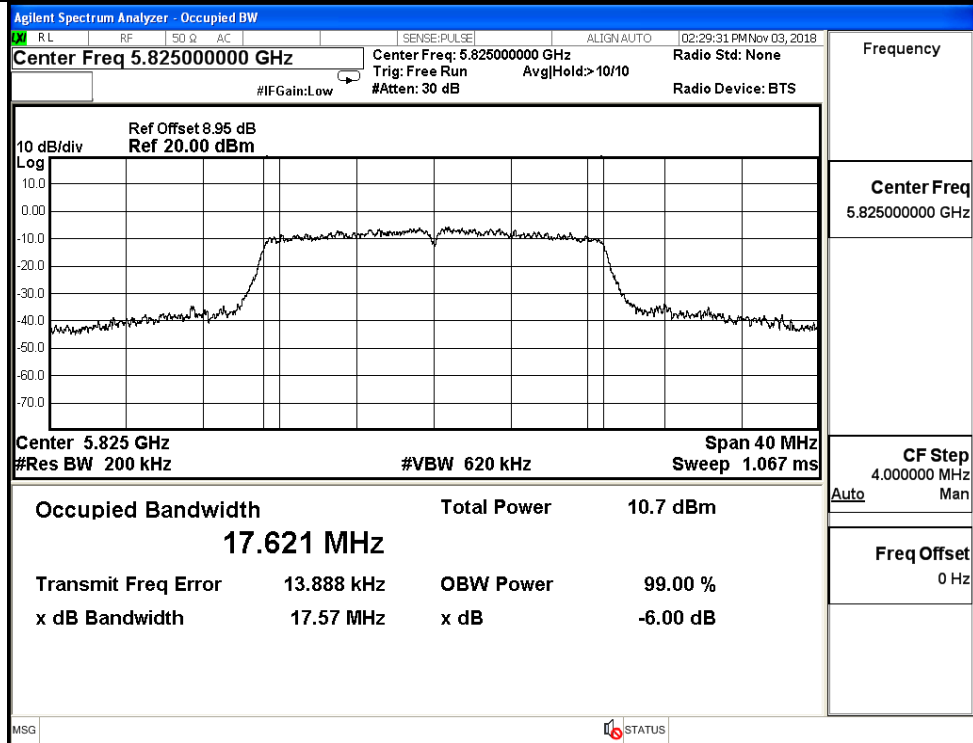
99% Occupied Bandwidth



IEEE 802.11n HT20 / Channel 149 / 5745 MHz

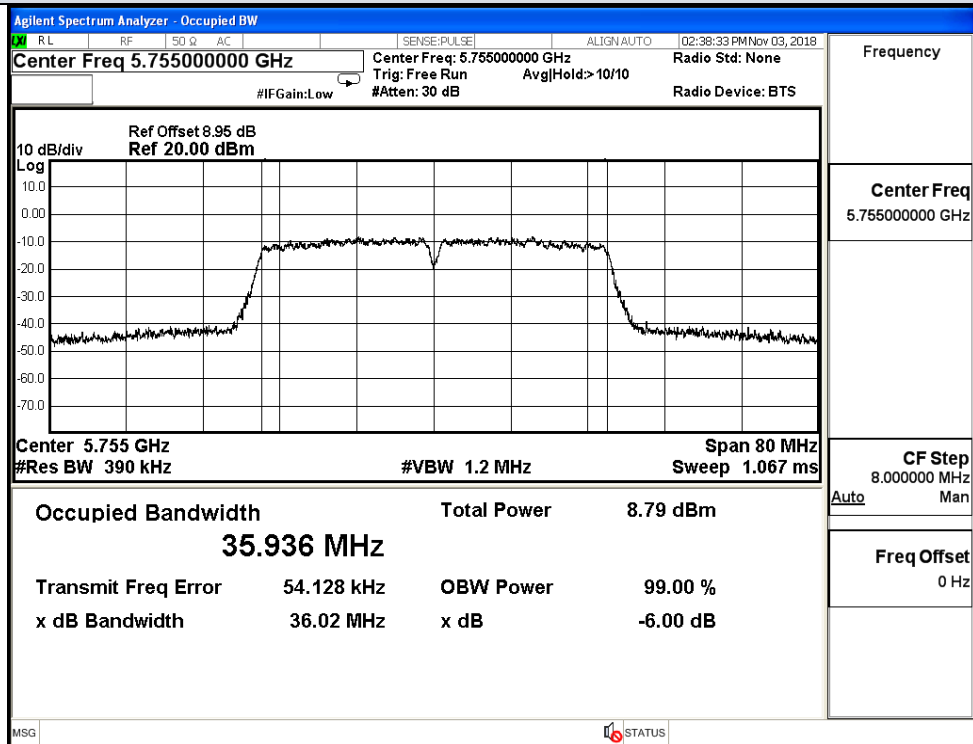


IEEE 802.11n HT20 / Channel 157 / 5785 MHz

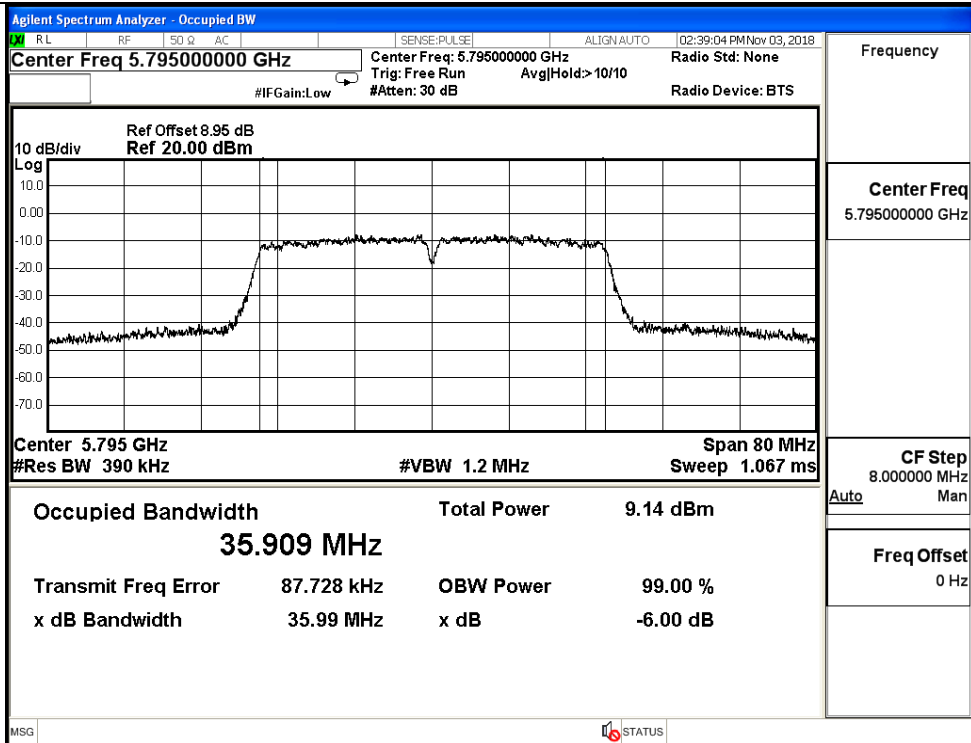


IEEE 802.11n HT20 / Channel 165 / 5825 MHz

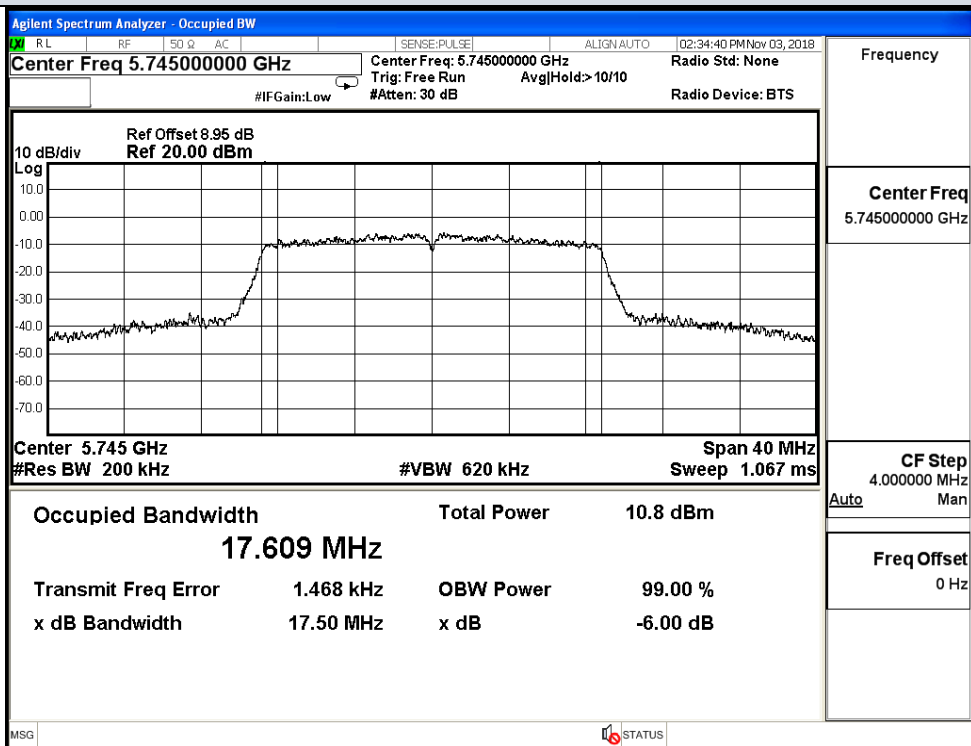
99% Occupied Bandwidth



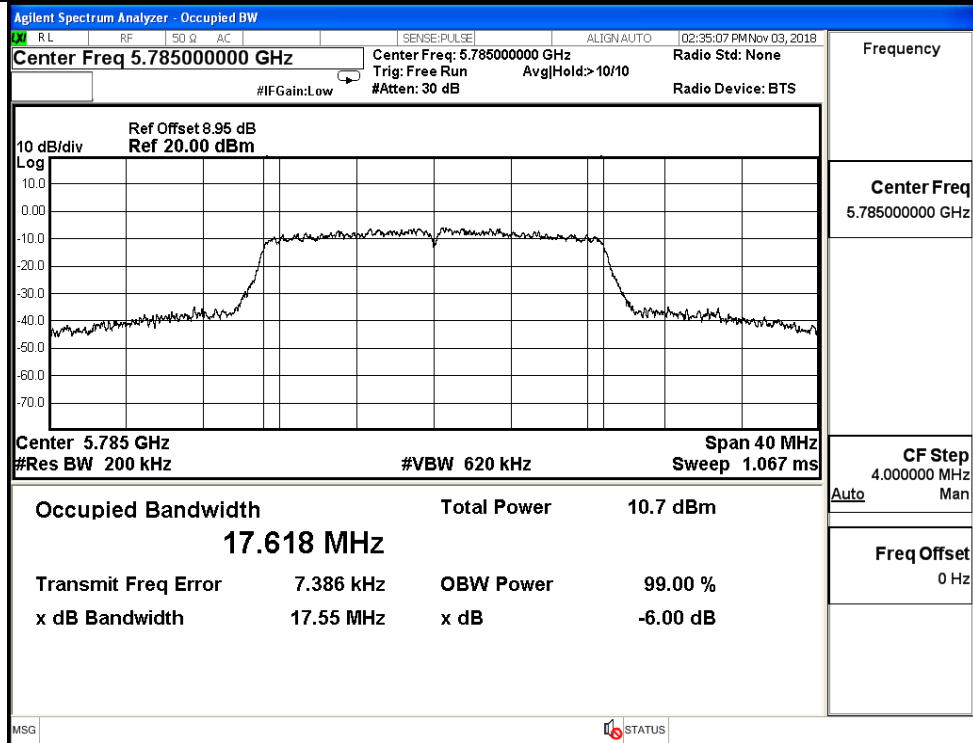
IEEE 802.11n HT40 / Channel 151 / 5755 MHz



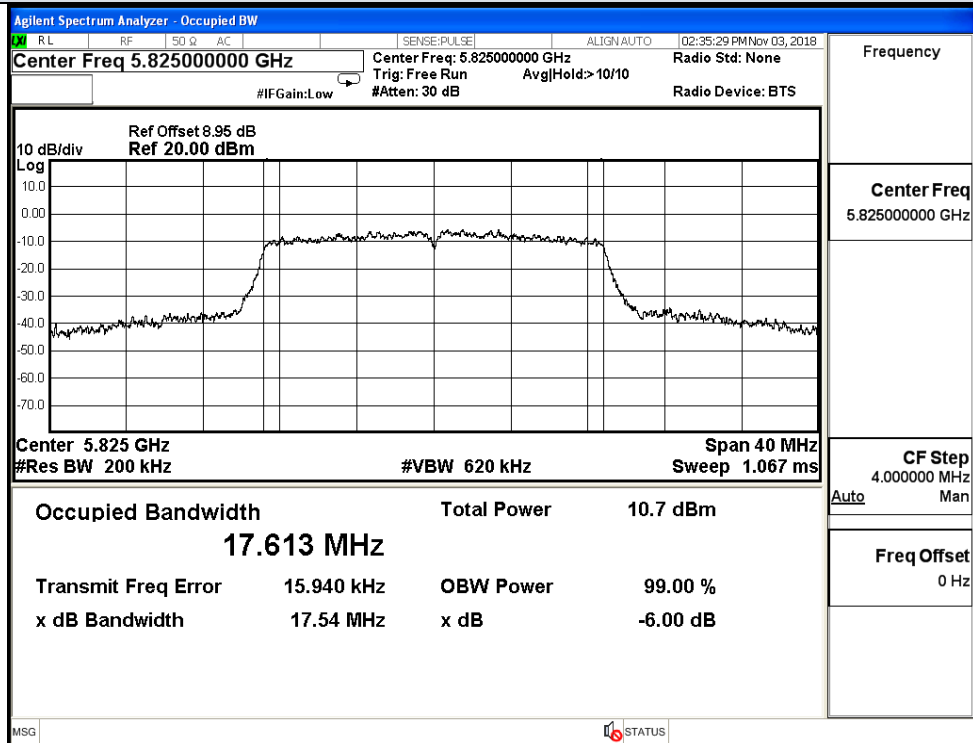
IEEE 802.11n HT40 / Channel 159 / 5795 MHz



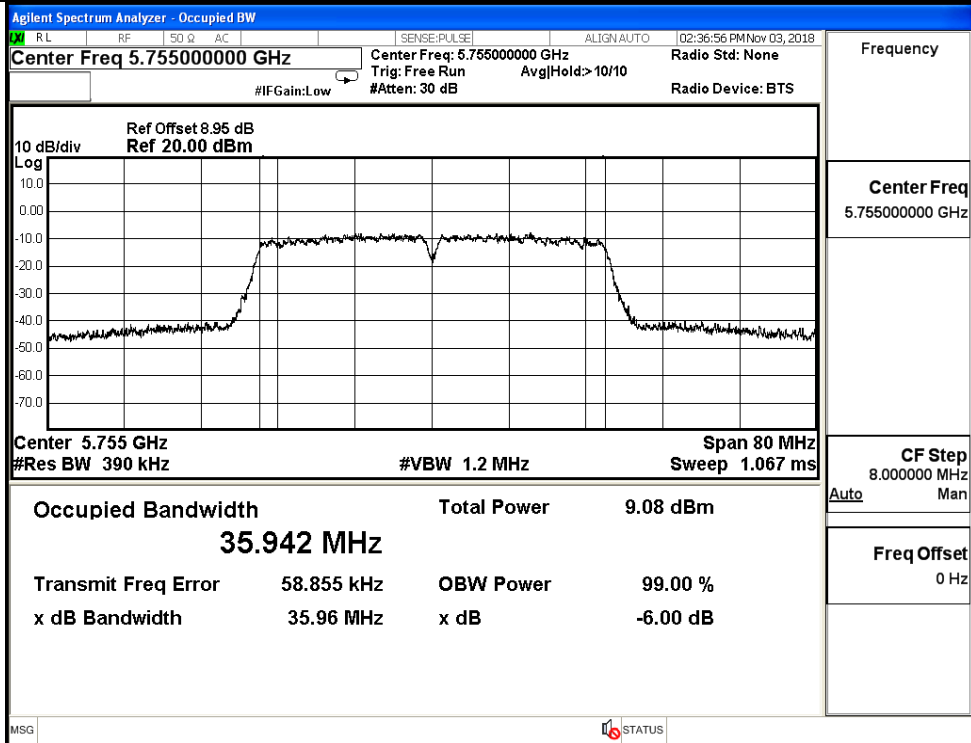
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz



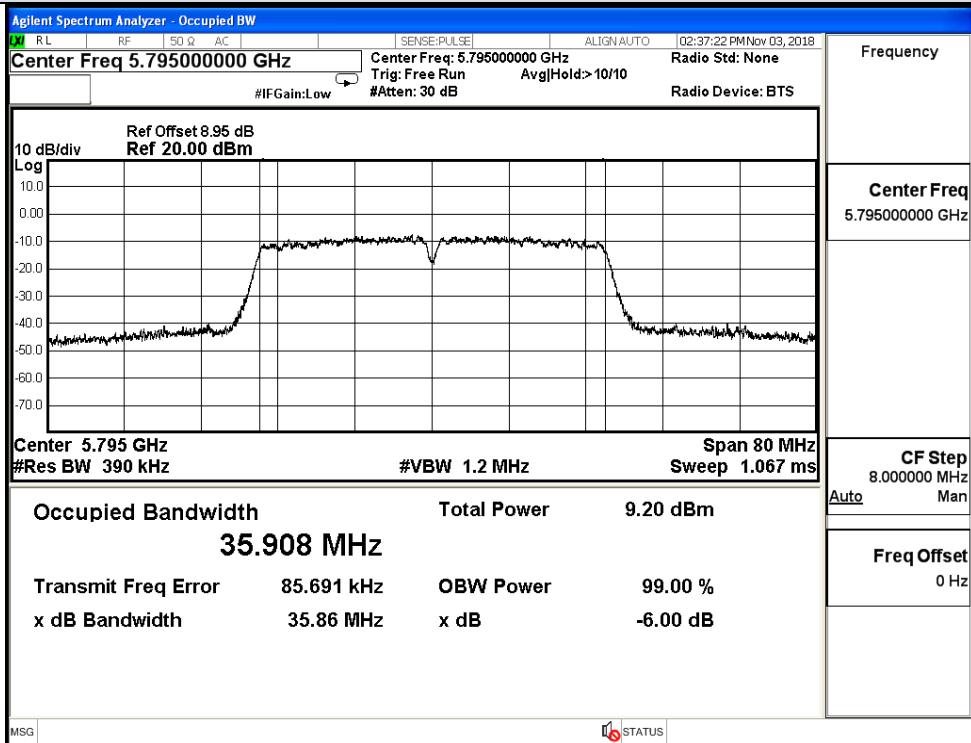
IEEE 802.11ac VHT20 / Channel 157 / 5785 MHz



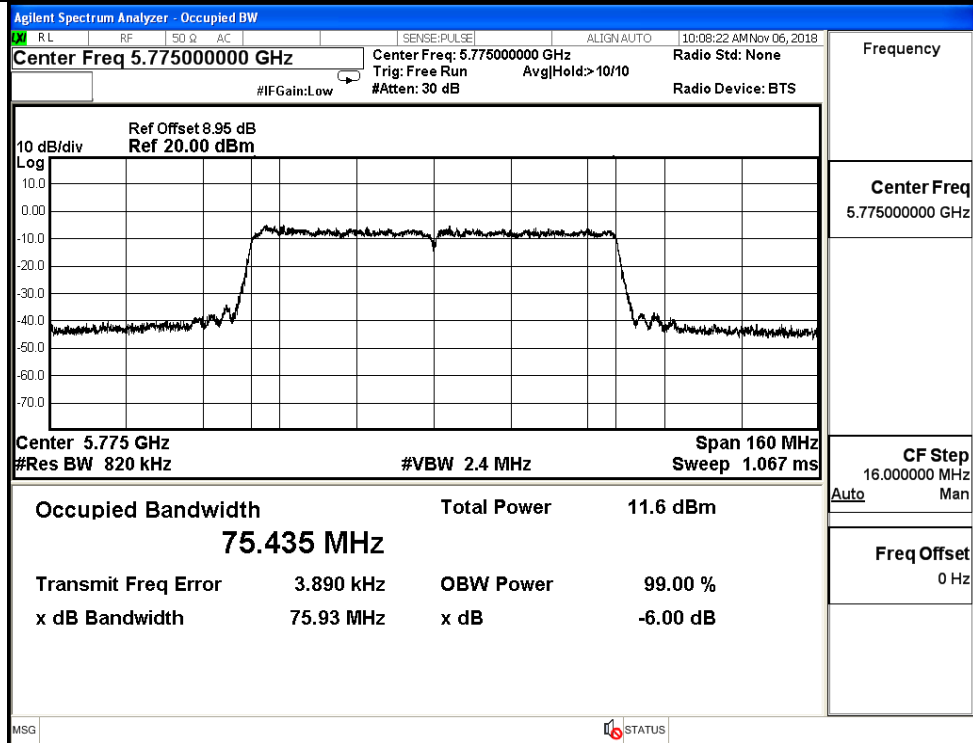
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz



IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz



IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz



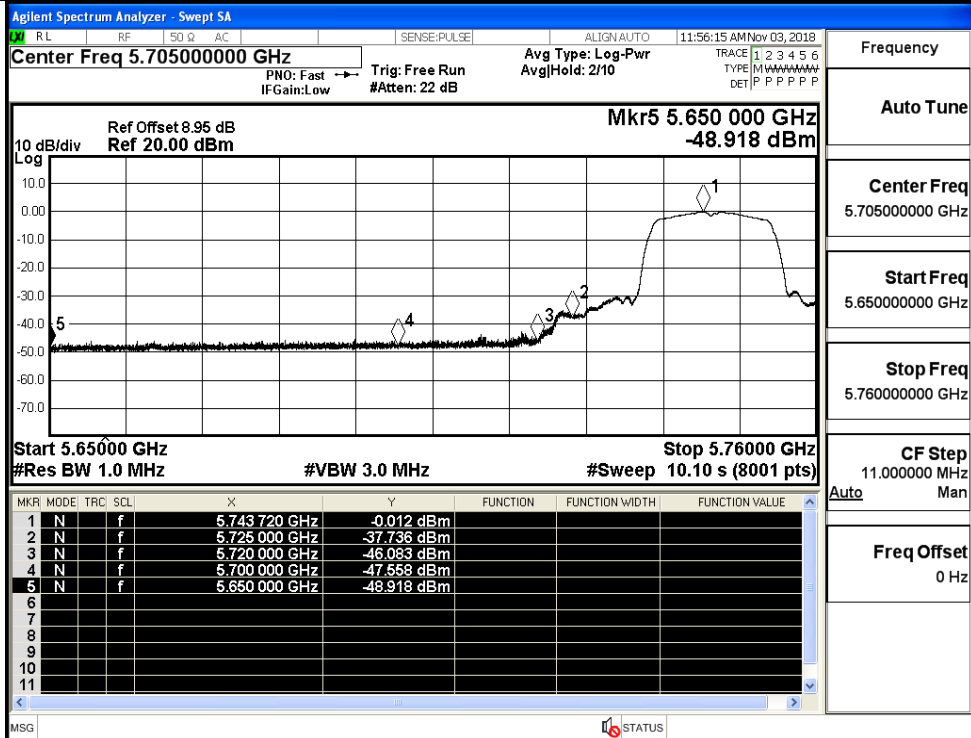
IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz

E.5 Undesirable Emissions Measurement

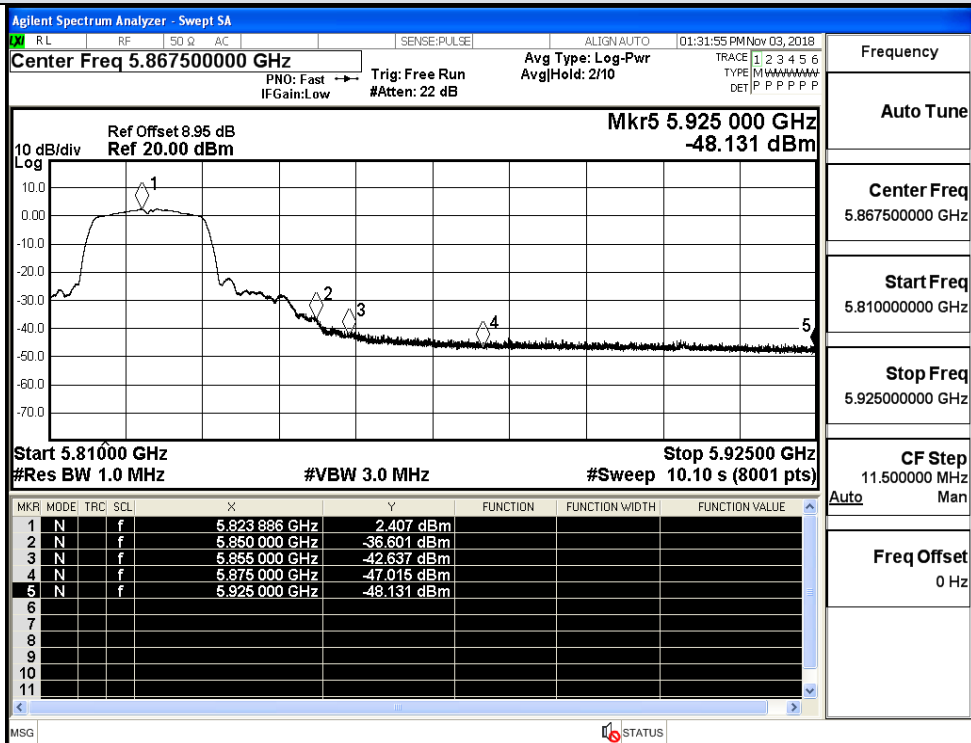
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)
11A	149	5650.0	-48.913	3.50	-45.413	Peak	27.0
		5700.0	-47.558	3.50	-44.058	Peak	15.6
		5720.0	-46.083	3.50	-42.583	Peak	10.0
		5725.0	-37.736	3.50	-34.236	Peak	-27.0
	165	5850.0	-36.601	3.50	-33.101	Peak	-27.0
		5855.0	-42.637	3.50	-39.137	Peak	10.0
		5875.0	-47.015	3.50	-43.515	Peak	15.6
		5925.0	-48.131	3.50	-44.631	Peak	27.0
11N20 SISO	149	5650.0	-48.367	3.50	-44.867	Peak	27.0
		5700.0	-45.095	3.50	-41.595	Peak	15.6
		5720.0	-40.212	3.50	-36.712	Peak	10.0
		5725.0	-32.567	3.50	-29.067	Peak	-27.0
	165	5850.0	-39.455	3.50	-35.955	Peak	-27.0
		5855.0	-43.750	3.50	-40.250	Peak	10.0
		5875.0	-44.866	3.50	-41.366	Peak	15.6
		5925.0	-46.877	3.50	-43.377	Peak	27.0
11N40 SISO	151	5650.0	-47.803	3.50	-44.303	Peak	27.0
		5700.0	-43.055	3.50	-39.555	Peak	15.6
		5720.0	-35.969	3.50	-32.469	Peak	10.0
		5725.0	-32.632	3.50	-29.132	Peak	-27.0
	159	5850.0	-41.952	3.50	-38.452	Peak	-27.0
		5855.0	-42.527	3.50	-39.027	Peak	10.0
		5875.0	-44.801	3.50	-41.301	Peak	15.6
		5925.0	-48.189	3.50	-44.689	Peak	27.0
11AC20 SISO	149	5650.0	-48.192	3.50	-44.692	Peak	27.0
		5700.0	-47.098	3.50	-43.598	Peak	15.6
		5720.0	-38.574	3.50	-35.074	Peak	10.0
		5725.0	-31.861	3.50	-28.361	Peak	-27.0
	165	5850.0	-37.578	3.50	-34.078	Peak	-27.0
		5855.0	-44.126	3.50	-40.626	Peak	10.0
		5875.0	-46.286	3.50	-42.786	Peak	15.6
		5925.0	-47.257	3.50	-43.757	Peak	27.0
11AC40 SISO	151	5650.0	-48.304	3.50	-44.804	Peak	27.0
		5700.0	-43.506	3.50	-40.006	Peak	15.6
		5720.0	-35.248	3.50	-31.748	Peak	10.0
		5725.0	-31.846	3.50	-28.346	Peak	-27.0
	159	5850.0	-43.290	3.50	-39.790	Peak	-27.0
		5855.0	-44.609	3.50	-41.109	Peak	10.0
		5875.0	-46.445	3.50	-42.945	Peak	15.6
		5925.0	-48.909	3.50	-45.409	Peak	27.0
11AC80 SISO	156	5650.0	-51.395	3.50	-47.895	Peak	27.0
		5700.0	-46.155	3.50	-42.655	Peak	15.6
		5720.0	-41.987	3.50	-38.487	Peak	10.0
		5725.0	-40.351	3.50	-36.851	Peak	-27.0
		5850.0	-48.043	3.50	-44.543	Peak	-27.0
		5855.0	-48.571	3.50	-45.071	Peak	10.0

		5875.0	-49.103	3.50	-45.603	Peak	15.6
		5925.0	-49.186	3.50	-45.686	Peak	27.0

Undesirable Emissions Measurement

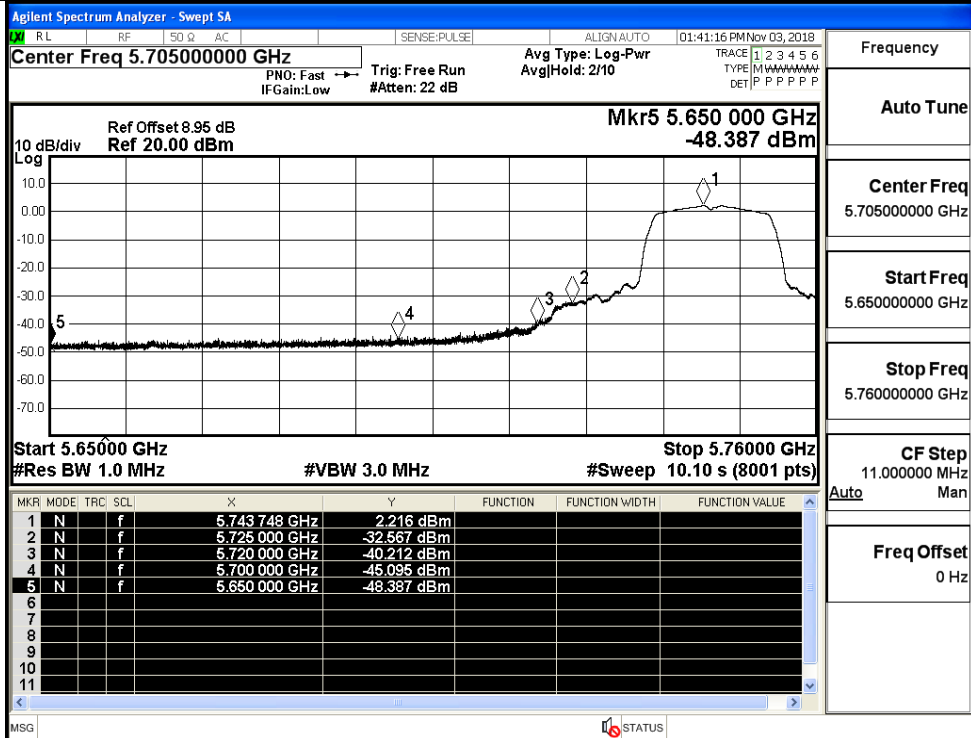


IEEE 802.11a / Channel 149 / 5745 MHz / Peak

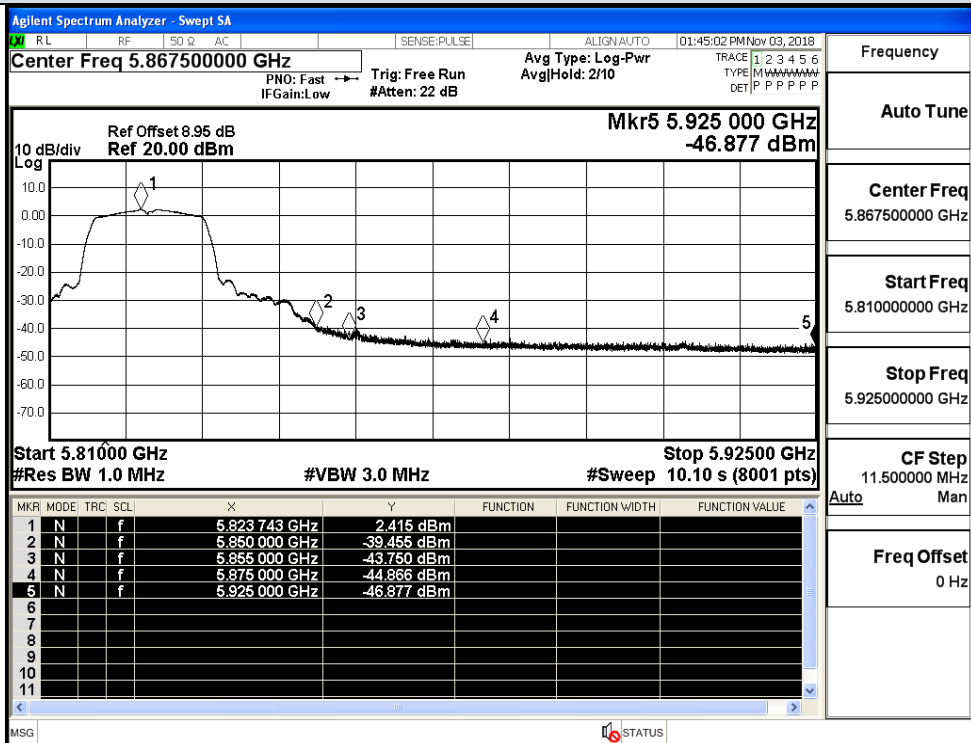


IEEE 802.11a / Channel 165 / 5825 MHz / Peak

Undesirable Emissions Measurement

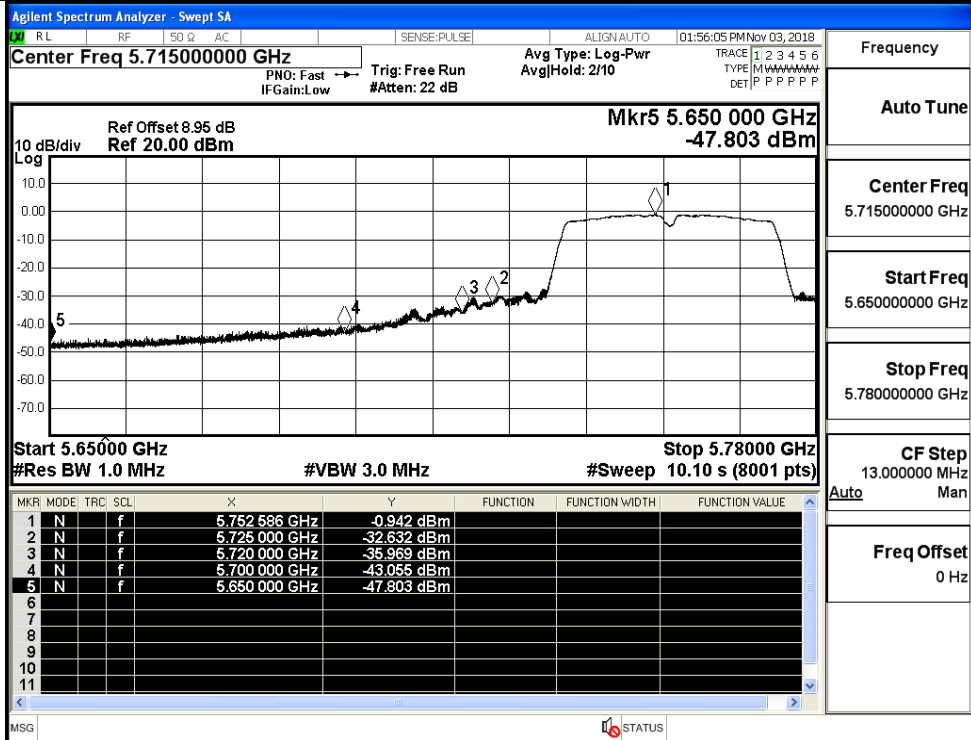


IEEE 802.11n HT20 / Channel 149 / 5745 MHz / Peak

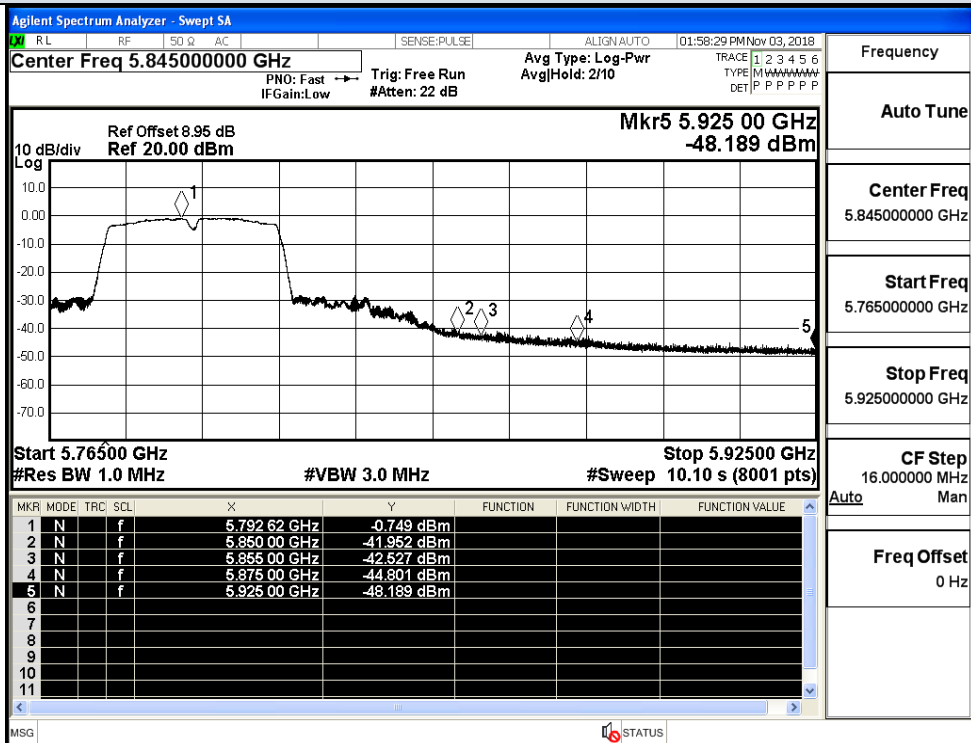


IEEE 802.11n HT20 / Channel 165 / 5825 MHz / Peak

Undesirable Emissions Measurement

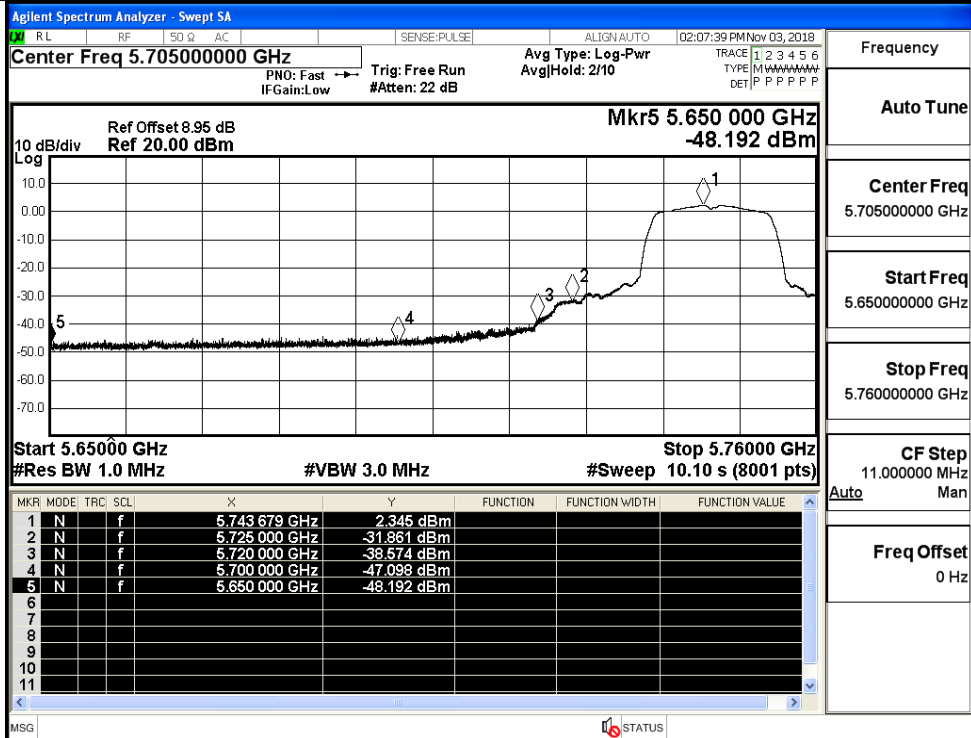


IEEE 802.11n HT40 / Channel 151 / 5755 MHz / Peak

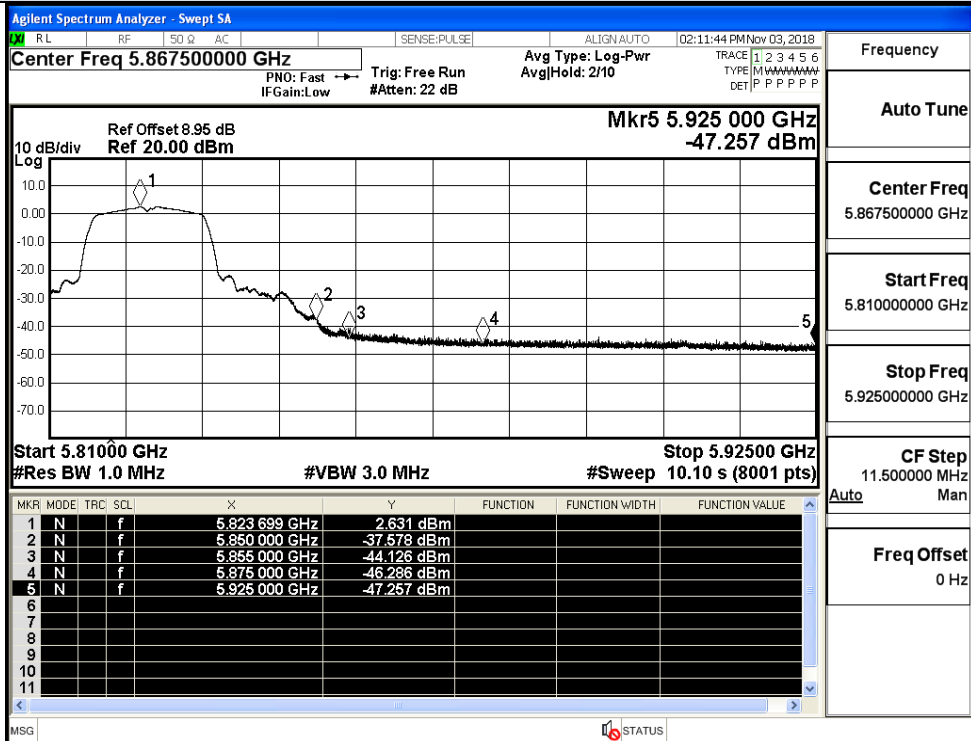


IEEE 802.11n HT40 / Channel 159 / 5795 MHz / Peak

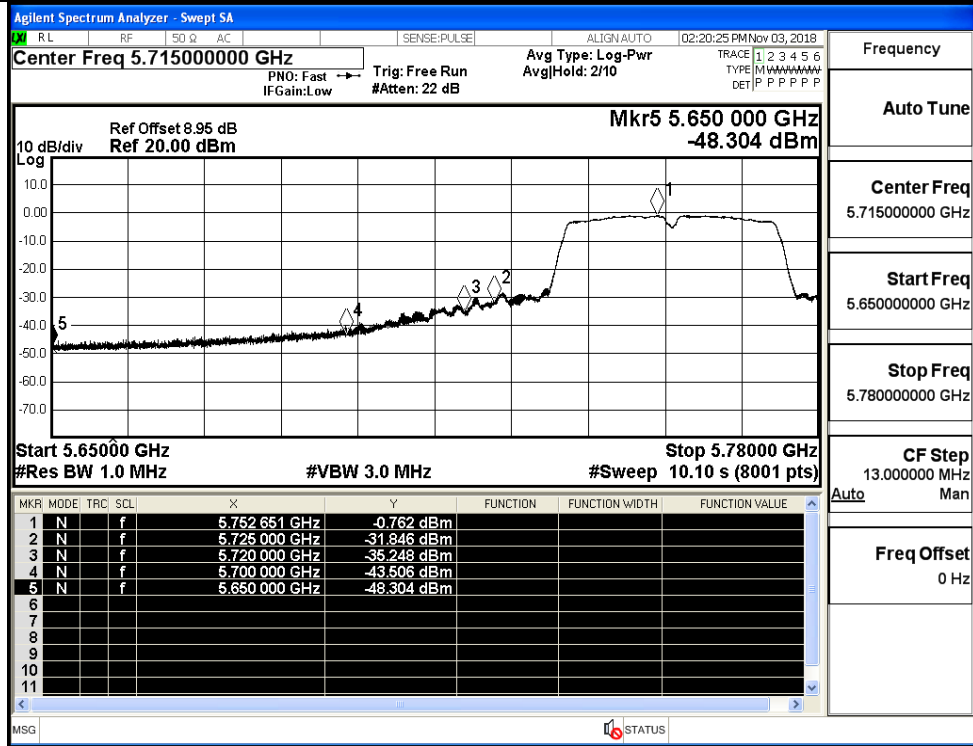
Undesirable Emissions Measurement



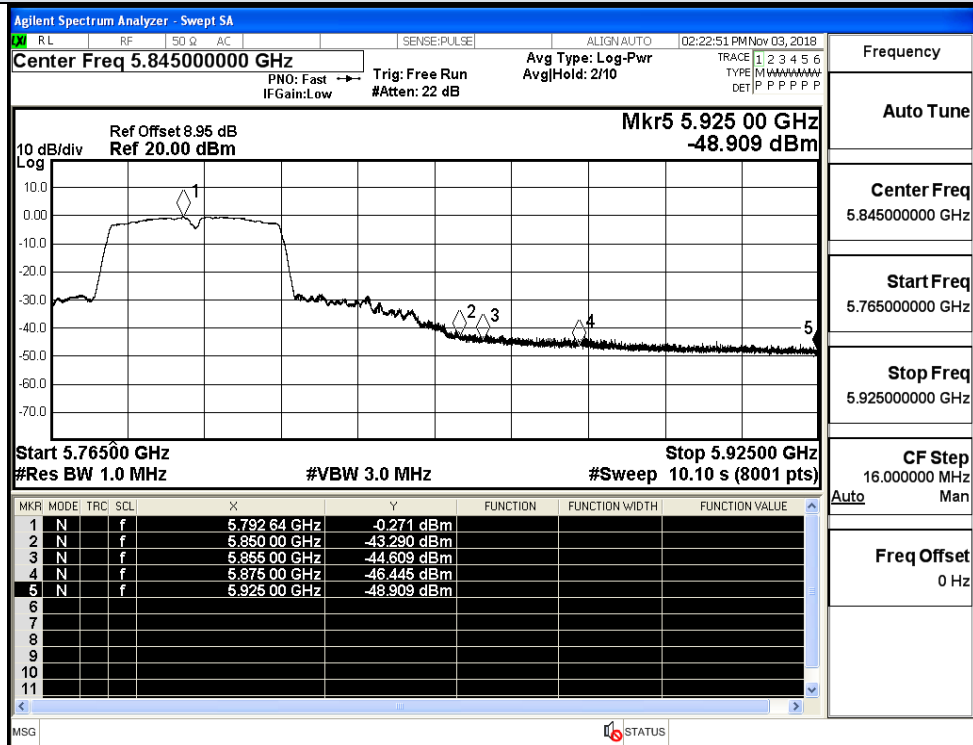
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz / Peak



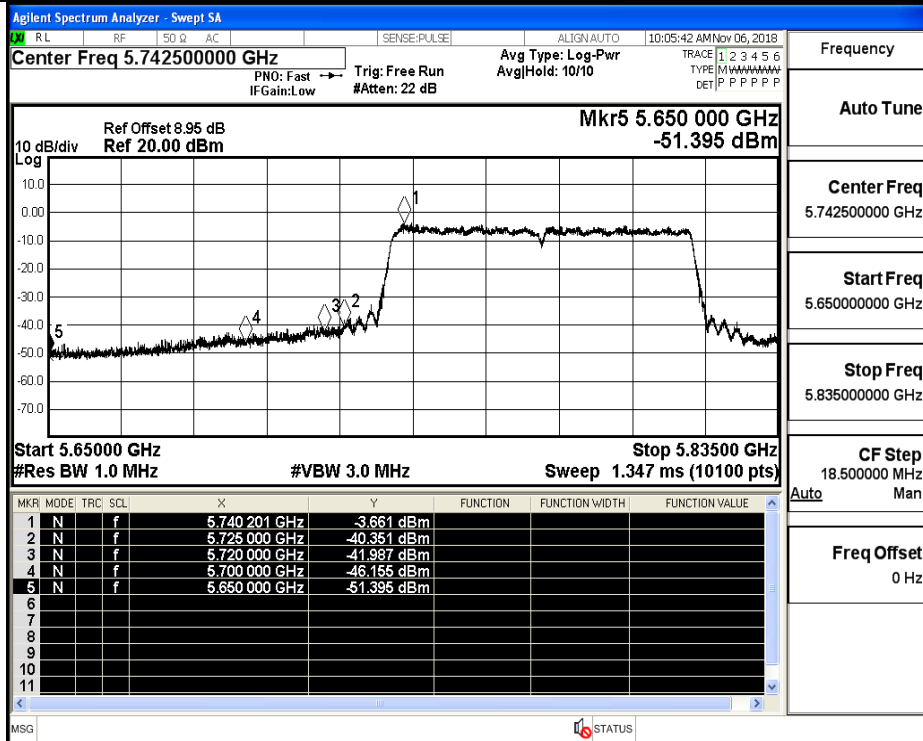
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz / Peak



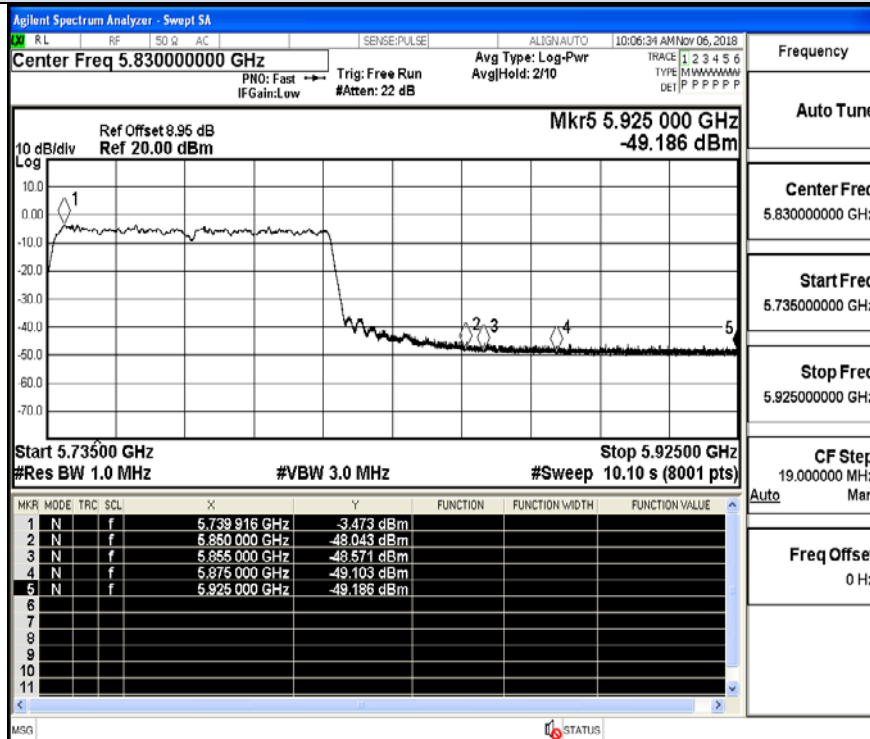
IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz / Peak



IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz / Peak



IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz / Peak



IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz / Peak