Appendix A

RF Test Data for 5.2G WLAN (Conducted Measurement)

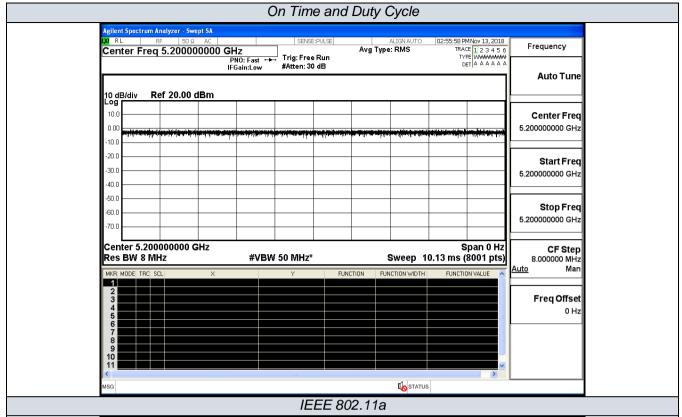
Product Name: Wireless Extender
Trade Mark: N/A
Test Model: LKV388mini

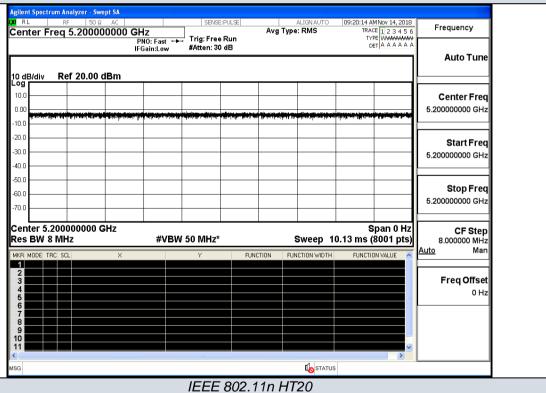
Environmental Conditions

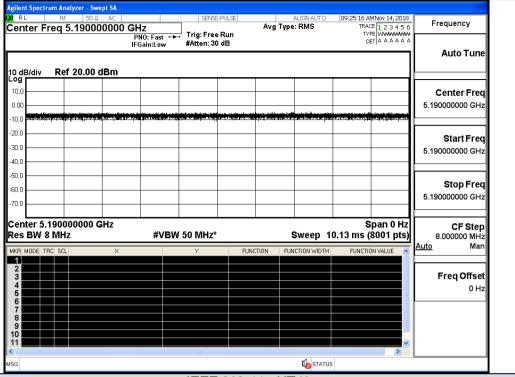
Temperature:	23.6 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

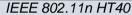
A.1 Duty Cycle

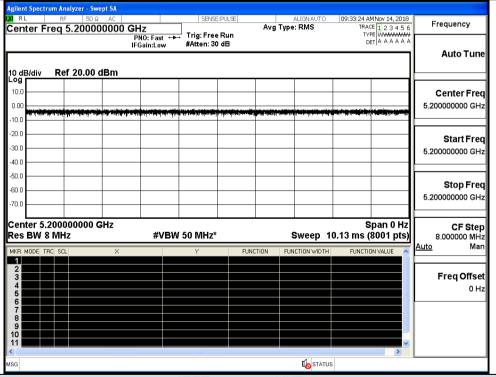
Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5200	100	0.00	0.01
11N20 SISO	5200	100	0.00	0.01
11N40 SISO	5190	100	0.00	0.01
11AC20 SISO	5200	100	0.00	0.01
11AC40 SISO	5190	100	0.00	0.01
11AC80 SISO	5210	100	0.00	0.01



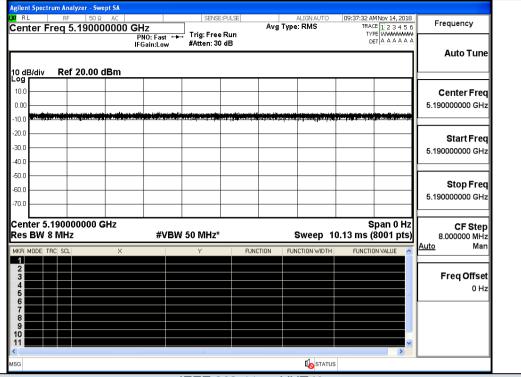




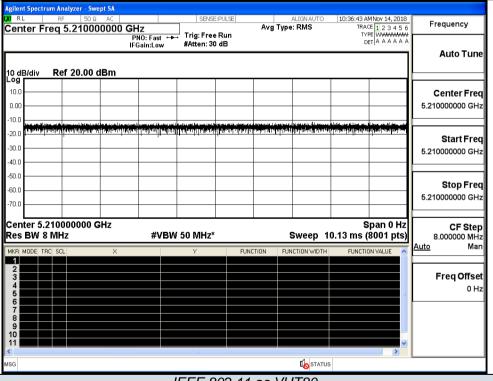




IEEE 802.11ac VHT20



IEEE 802.11 ac VHT40



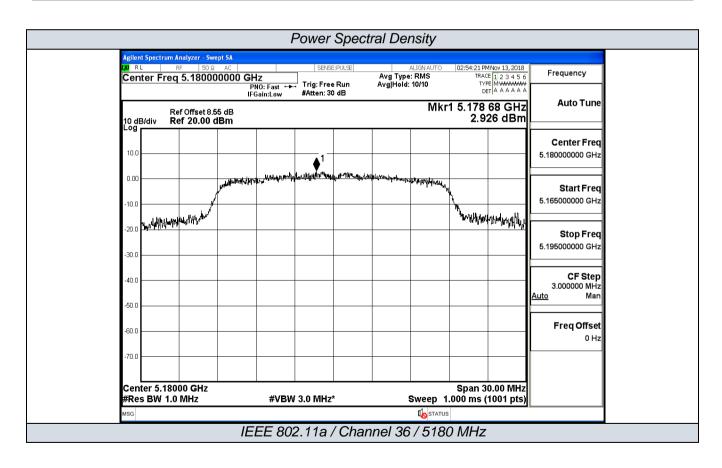
IEEE 802.11 ac VHT80

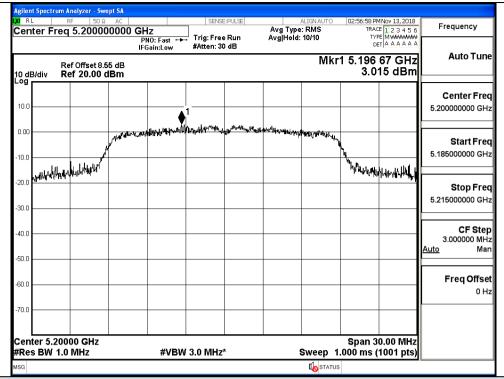
A.2 Maximum Conduct Output Power

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)	Limit (dBm)
	36	5180	12.50	0	12.50	
11A	40	5200	12.99	0	12.99	24
	48	5240	12.67	0	12.67	
	36	5180	12.44	0	12.44	
11N20 SISO	40	5200	12.04	0	12.04	24
	48	5240	11.65	0	11.65	
11N40 SISO	38	5190	12.35	0	12.35	24
111140 3130	46	5230	12.09	0	12.09	24
	36	5180	11.88	0	11.88	
11AC20 SISO	40	5200	11.67	0	11.67	24
	48	5240	11.41	0	11.41	
11AC40 SISO	38	5190	12.21	0	12.21	24
114040 3130	46	5230	12.01	0	12.01	Z4
11AC80 SISO	42	5210	9.11	0	9.11	24

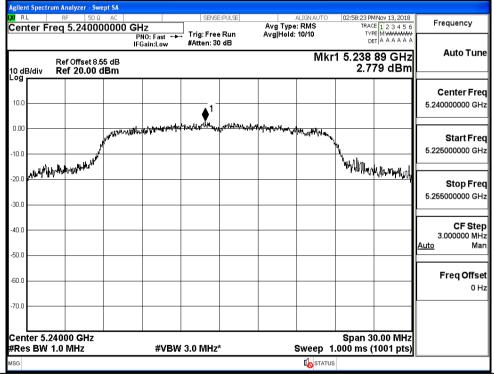
A.3 Power Spectral Density

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Cycle Factor (dB)	Report Power Density (dBm/MHz)	Limit (dBm/MHz)
	36	5180	2.926	0	2.926	
11A	40	5200	3.015	0	3.015	11
	48	5240	2.779	0	2.779	
	36	5180	2.641	0	2.641	
11N20 SISO	40	5200	2.651	0	2.651	11
	48	5240	1.930	0	1.930	
11N40 SISO	38	5190	-0.506	0	-0.506	11
111140 3130	46	5230	-0.785	0	-0.785	"
	36	5180	1.822	0	1.822	
11AC20 SISO	40	5200	2.107	0	2.107	11
	48	5240	1.716	0	1.716	
11AC40 SISO	38	5190	0.170	0	0.170	11
117040 3130	46	5230	-0.419	0	-0.419	
11AC80 SISO	42	5210	-7.477	0	-7.477	11

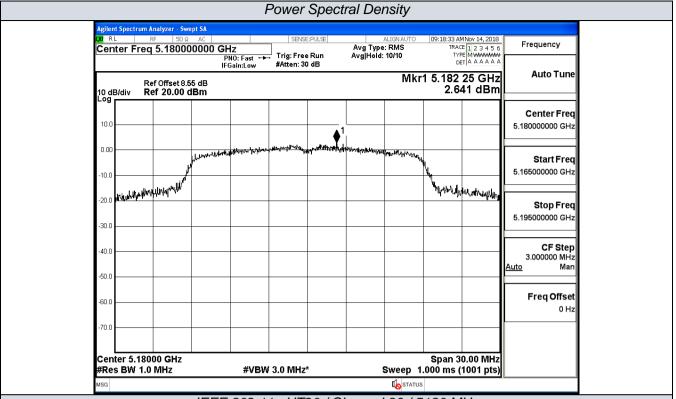




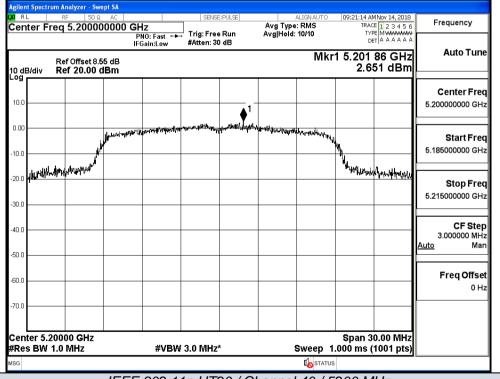
IEEE 802.11a / Channel 40 / 5200 MHz



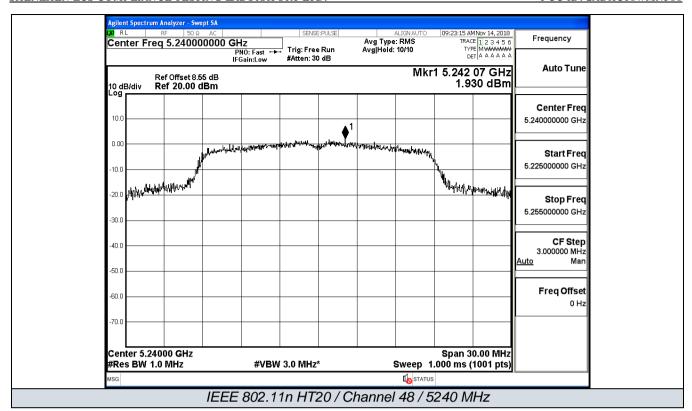
IEEE 802.11a / Channel 48 / 5240 MHz

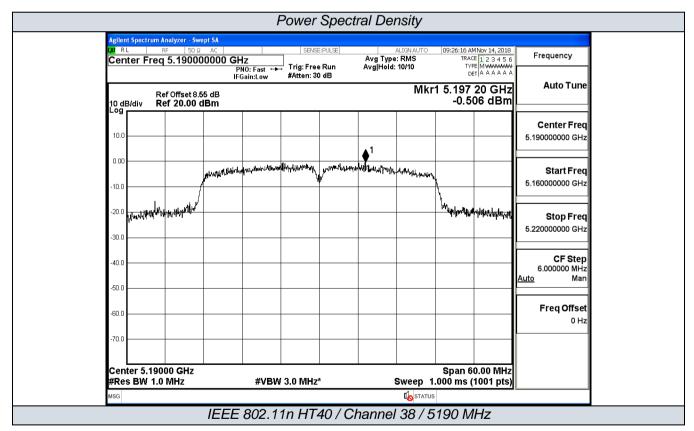


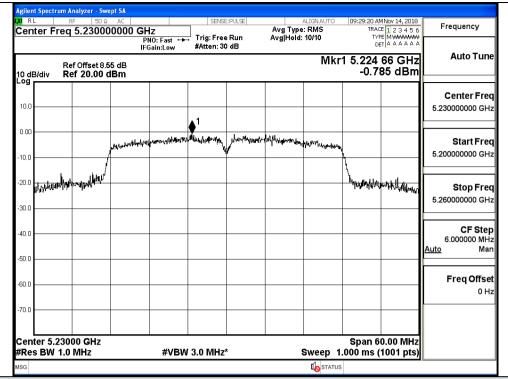




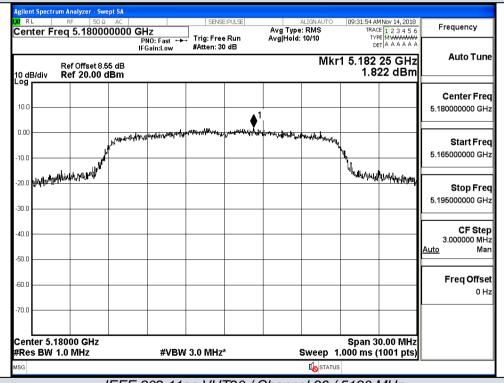
IEEE 802.11n HT20 / Channel 40 / 5200 MHz



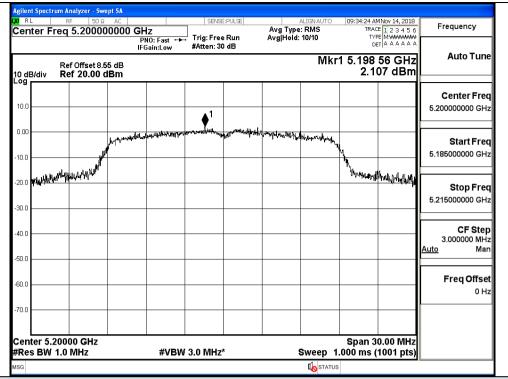




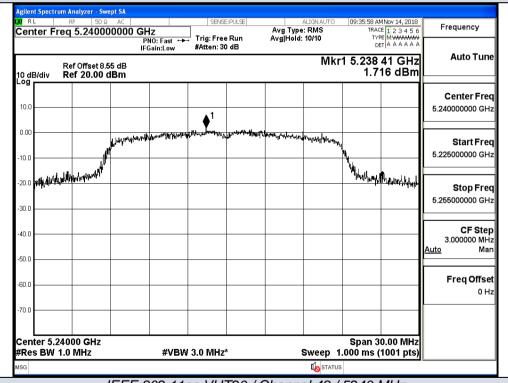
IEEE 802.11n HT40 / Channel 46 / 5230 MHz



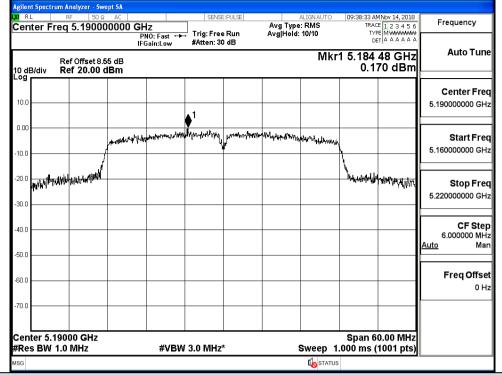
IEEE 802.11ac VHT20 / Channel 36 / 5180 MHz



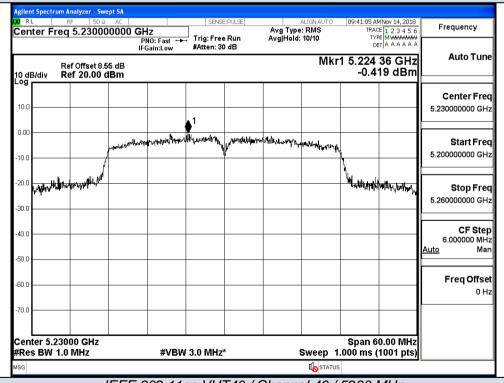
IEEE 802.11ac VHT20 / Channel 40 / 5200 MHz



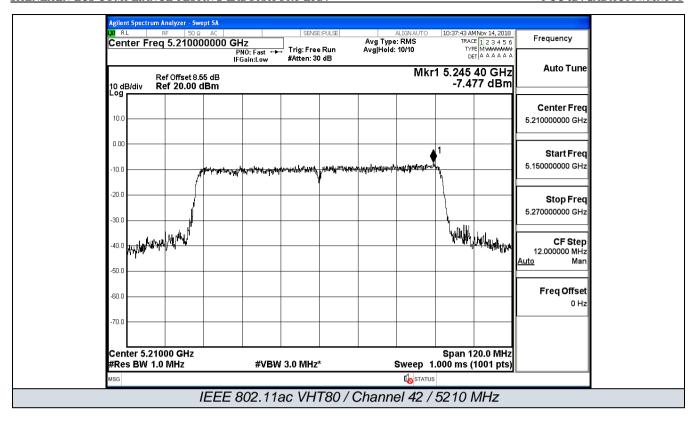
IEEE 802.11ac VHT20 / Channel 48 / 5240 MHz



IEEE 802.11ac VHT40 / Channel 38 / 5190 MHz

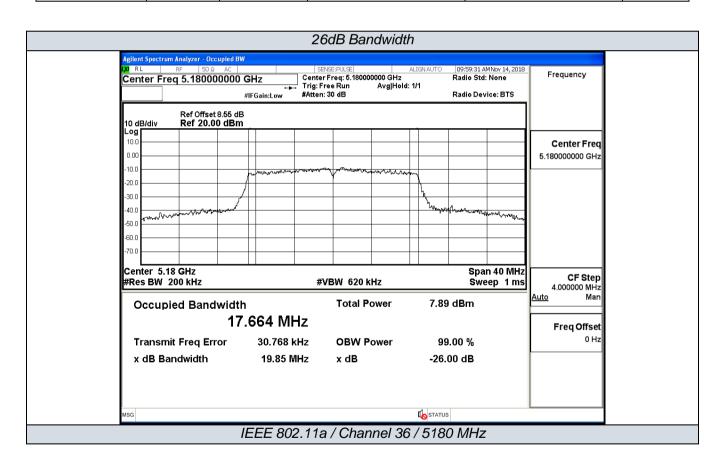


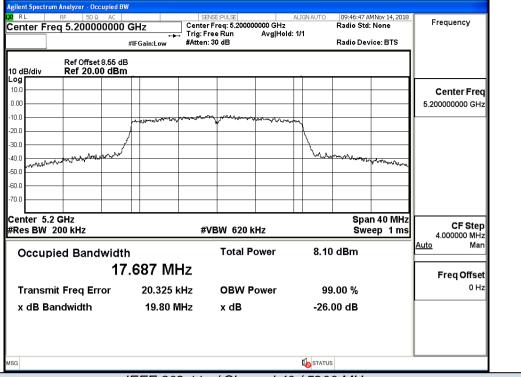
IEEE 802.11ac VHT40 / Channel 46 / 5230 MHz



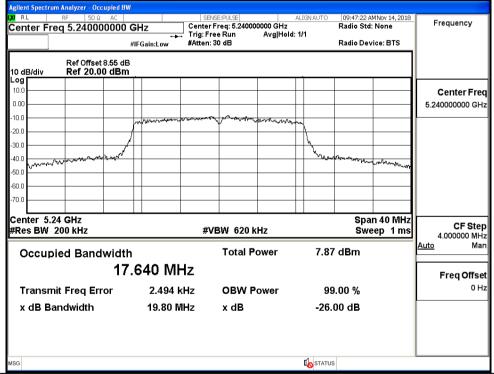
A.4 Emission Bandwidth

Test Mode	Channel	Frequency	99% Bandwidth	26dB Bandwidth	Limit	
		(MHz)	(MHz)	(MHz)	(MHz)	
	36	5180	17.664	19.820		
11A	40	5200	17.687	19.800	No Limit	
	48	5240	17.640	19.800	1	
	36	5180	17.640	19.620		
11N20 SISO	40	5200	17.677	19.770	No Limit	
	48	5240	17.658	19.840		
11N40 SISO	38	5190	35.963	39.450	No Limit	
111140 3130	46	5230	36.034	39.410	TINO LIITIIL	
	36	5180	17.618	19.940		
11AC20 SISO	40	5200	17.667	19.700	No Limit	
	48	5240	17.672	19.690		
11AC40 SISO	38	5190	36.052	39.410	No Limit	
114040 3130	46	5230	35.915	39.540	T INO LIIIIIL	
11AC80 SISO	42	5210	75.688	91.110	No Limit	

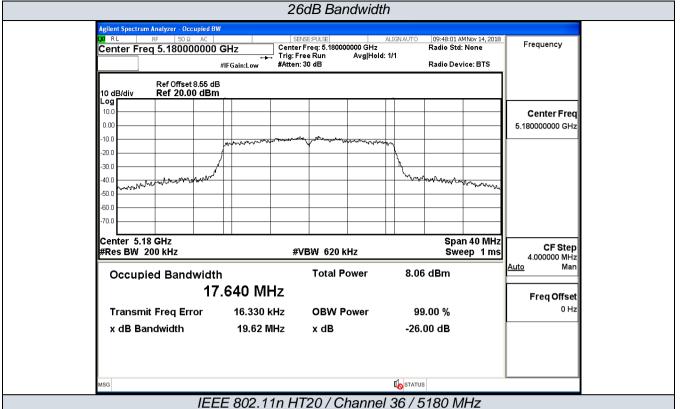


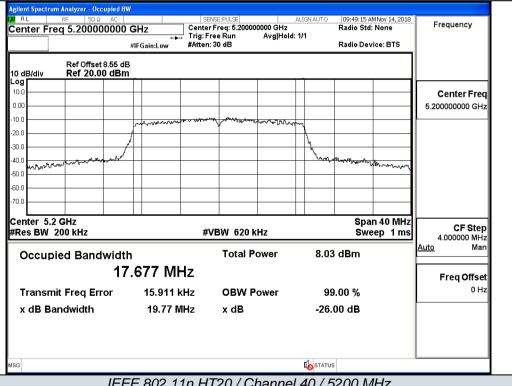


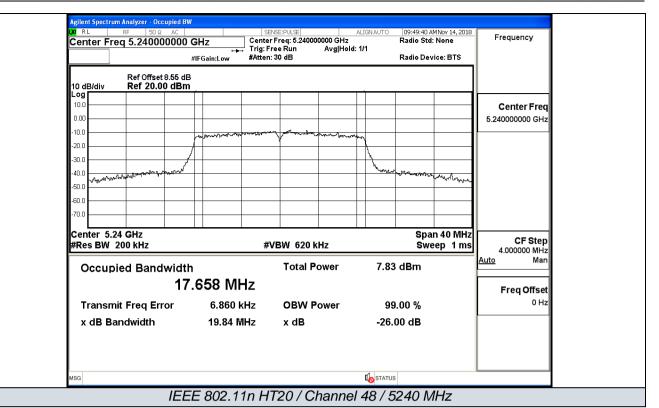
IEEE 802.11a / Channel 40 / 5200 MHz

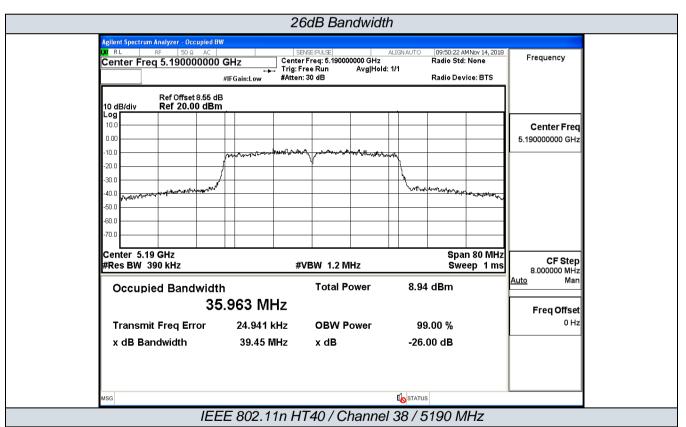


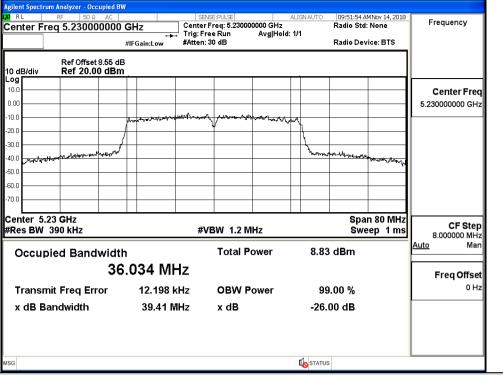
IEEE 802.11a / Channel 48 / 5240 MHz



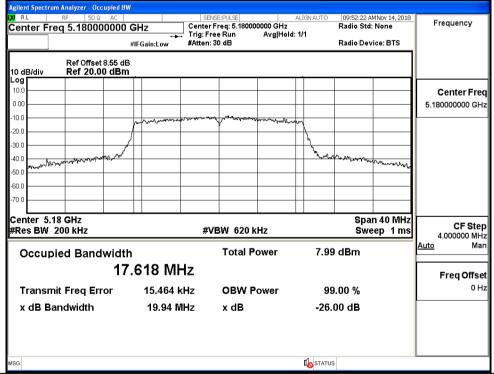




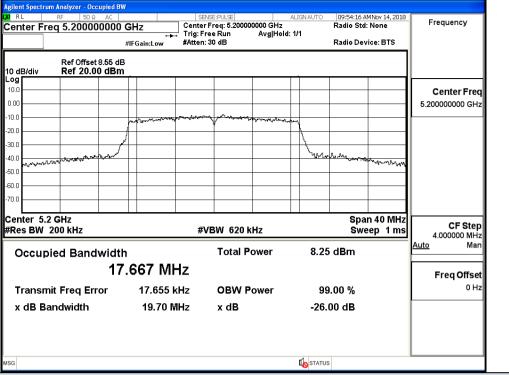




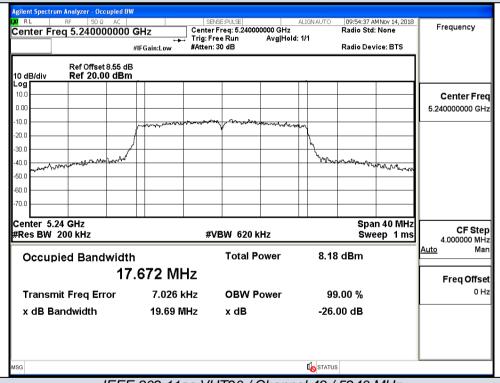
IEEE 802.11n HT40 / Channel 46 / 5230 MHz



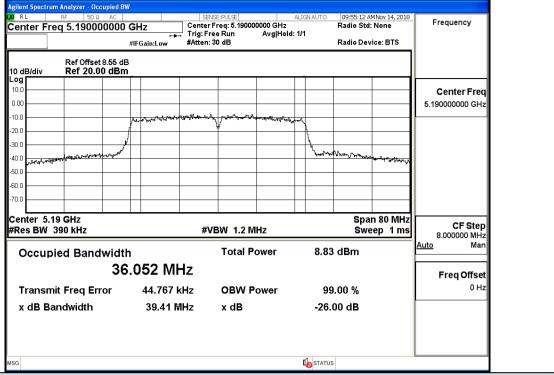
IEEE 802.11ac VHT20 / Channel 36 / 5180 MHz



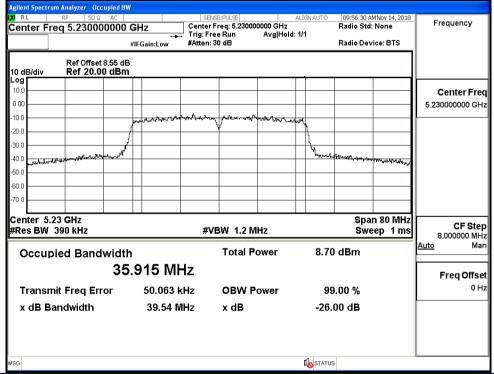
IEEE 802.11ac VHT20 / Channel 40 / 5200 MHz



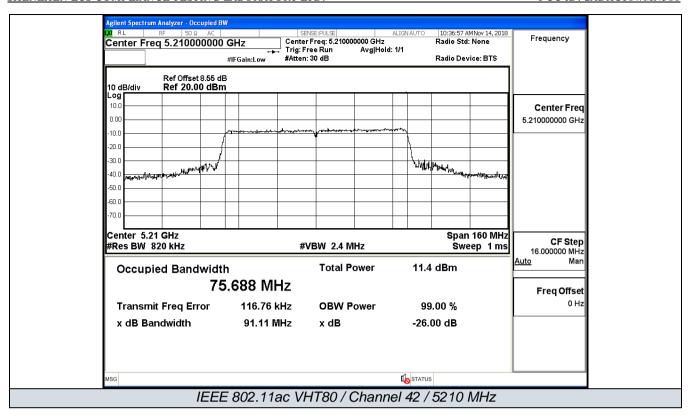
IEEE 802.11ac VHT20 / Channel 48 / 5240 MHz



IEEE 802.11ac VHT40 / Channel 38 / 5190 MHz



IEEE 802.11ac VHT40 / Channel 46 / 5230 MHz

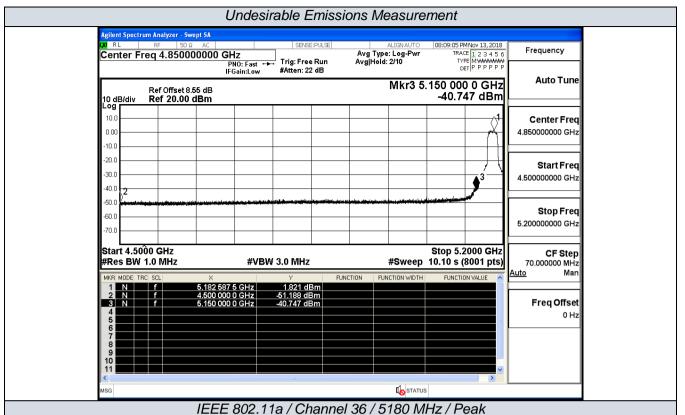


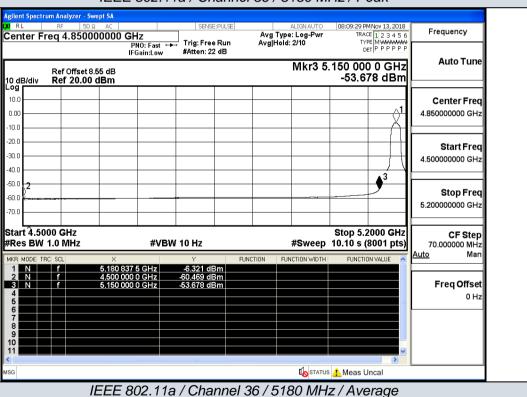
A.5 Undesirable Emissions Measurement

		_	Conducted	Antenna	Ground	Covert		
Test	Channel	Frequency	Power	Gain	Reflection	Radiated E	Detector	Limit
Mode	iviode	(MHz)	(dBm)	(dBi)	Factor	Level At 3m		(dBuV/m)
			, ,		(dB)	(dBuV/m)		
		4500.0	-51.188	2.00	0	46.040	Peak	68.20
	36	4500.0	-60.469	2.00	0	36.759	Average	54.00
		5150.0	-40.747	2.00	0	56.481	Peak	68.20
11A		5150.0	-53.678	2.00	0	43.550	Average	54.00
		5350.0	-49.219	2.00	0	48.009	Peak	68.20
	48	5350.0	-60.261	2.00	0	36.967	Average	54.00
		5460.0	-50.016	2.00	0	47.212	Peak	68.20
		5460.0	-60.740	2.00	0	36.488	Average	54.00
		4500.0	-49.926	2.00	0	47.302	Peak	68.20
	36	4500.0	-60.573	2.00	0	36.655	Average	54.00
		5150.0	-44.158	2.00	0	53.070	Peak	68.20
11N20		5150.0	-55.979	2.00	0	41.249	Average	54.00
SISO		5350.0	-49.825	2.00	0	47.403	Peak	68.20
	48	5350.0	-60.232	2.00	0	36.996	Average	54.00
	70	5460.0	-50.170	2.00	0	47.058	Peak	68.20
		5460.0	-60.825	2.00	0	36.403	Average	54.00
		4500.0	-50.431	2.00	0	46.797	Peak	68.20
	38	4500.0	-60.560	2.00	0	36.668	Average	54.00
	30	5150.0	-37.662	2.00	0	59.566	Peak	68.20
11N40		5150.0	-48.970	2.00	0	48.258	Average	54.00
SISO		5350.0	-50.218	2.00	0	47.010	Peak	68.20
	46	5350.0	-59.740	2.00	0	37.488	Average	54.00
	46	5460.0	-50.647	2.00	0	46.581	Peak	68.20
		5460.0	-60.558	2.00	0	36.670	Average	54.00
		4500.0	-50.052	2.00	0	47.176	Peak	68.20
	00	4500.0	-60.525	2.00	0	36.703	Average	54.00
	36	5150.0	-46.269	2.00	0	50.959	Peak	68.20
11AC20		5150.0	-56.395	2.00	0	40.833	Average	54.00
SISO		4500.0	-49.854	2.00	0	47.374	Peak	68.20
		4500.0	-60.206	2.00	0	37.022	Average	54.00
	48	5150.0	-50.826	2.00	0	46.402	Peak	68.20
		5150.0	-60.826	2.00	0	36.402	Average	54.00
		4500.0	-49.970	2.00	0	47.258	Peak	68.20
		4500.0	-60.561	2.00	0	36.667	Average	54.00
	38	5150.0	-36.759	2.00	0	60.469	Peak	68.20
11AC40		5150.0	-48.868	2.00	0	48.360	Average	54.00
SISO		5350.0	-48.807	2.00	0	48.421	Peak	68.20
		5350.0	-59.768	2.00	0	37.460	Average	54.00
	46	5460.0	-50.751	2.00	0	46.477	Peak	68.20
		5460.0	-60.254	2.00	0	36.974	Average	54.00
		4500.0	-47.767	2.00	0	49.461	Peak	68.20
		5150.0	-58.956	2.00	0	38.272	Average	54.00
11AC80	42	4500.0	-48.730	2.00	0	48.498	Peak	68.20
SISO	74	5150.0	-59.802	2.00	0	37.426	Average	54.00
		5350.0	-49.614		0	47.614	Peak	68.20
		5350.0	-49.014	2.00	U	47.014	reak	08.20

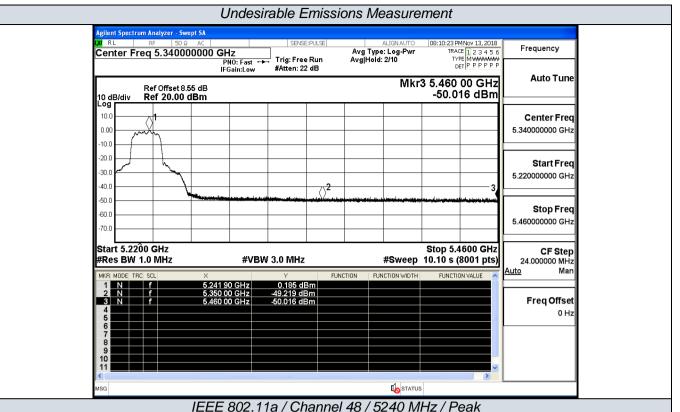
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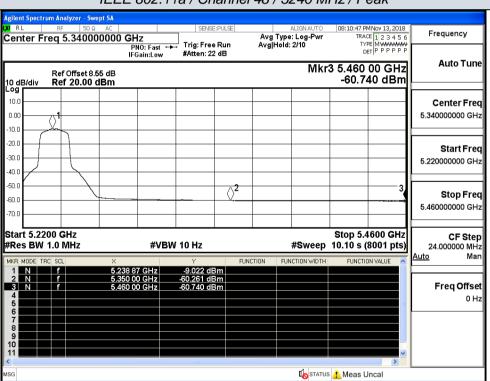
SHENZHEN LCS (NZHEN LCS COMPLIANCE TESTING LABORATORY LTD.					FCC ID: 2ADXC18WMN388		
	5460.0					Average	54.00	
	5350.0	-38.152	2.00	0	59.076	Peak	68.20	
	5460.0	-49.627	2.00	0	47.601	Average	54.00	
			Page 23 of 35					



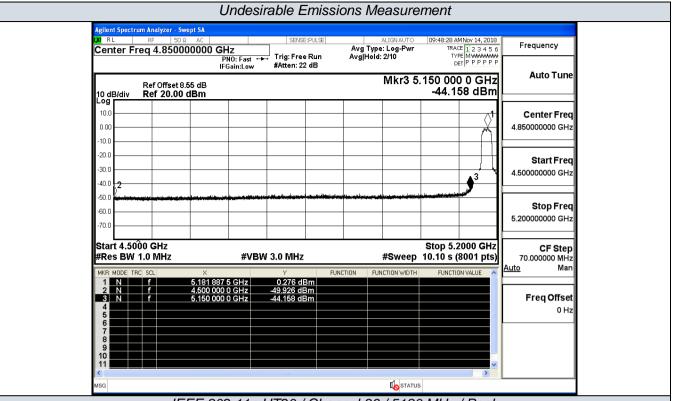


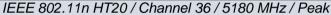
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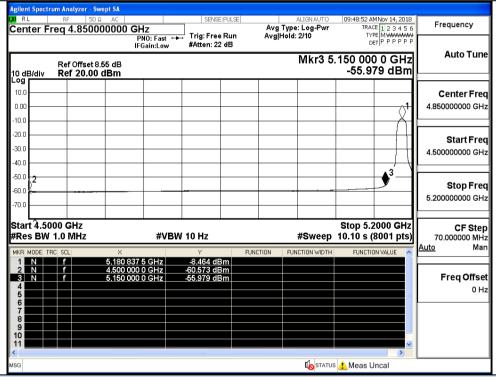




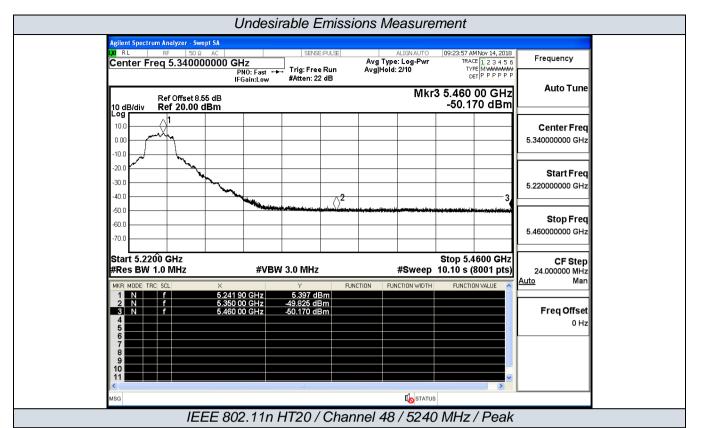
IEEE 802.11a / Channel 48 / 5240 MHz / Average

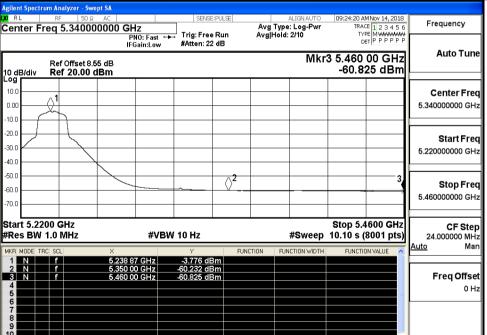






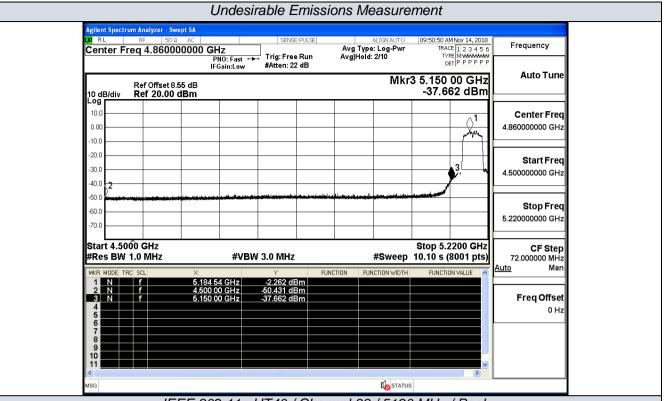
IEEE 802.11n HT20 / Channel 36 / 5180 MHz / Average

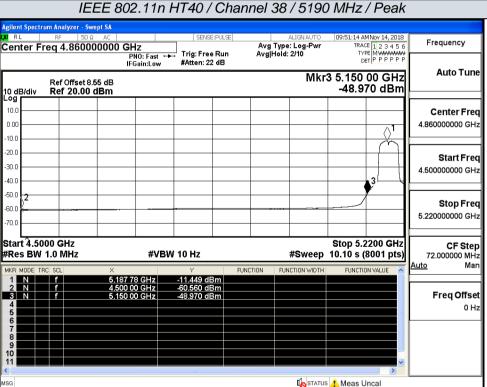




IEEE 802.11n HT20 / Channel 48 / 5240 MHz / Average

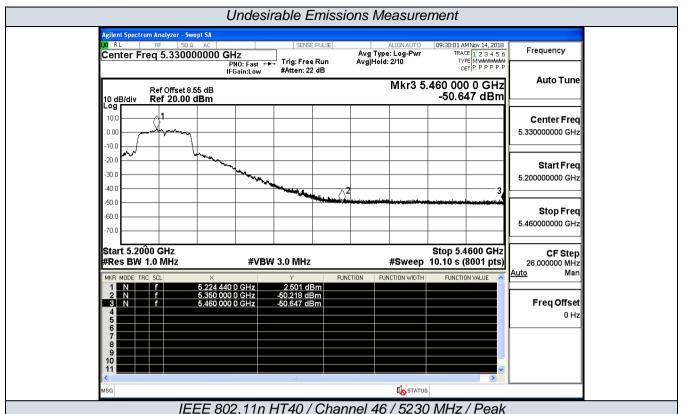
STATUS ! Meas Uncal



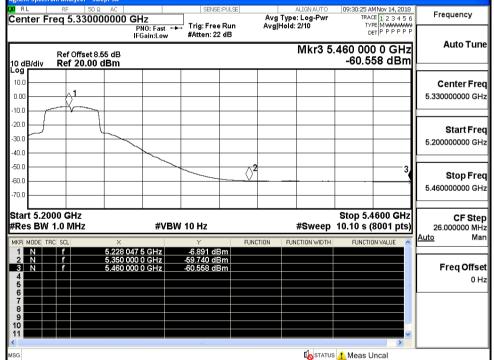


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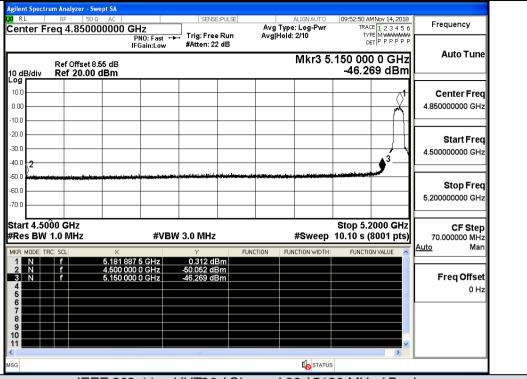
IEEE 802.11n HT40 / Channel 38 / 5190 MHz / Average



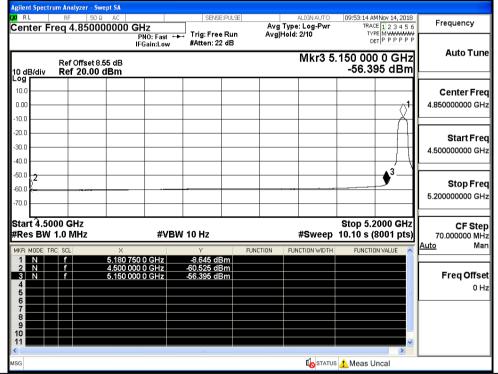




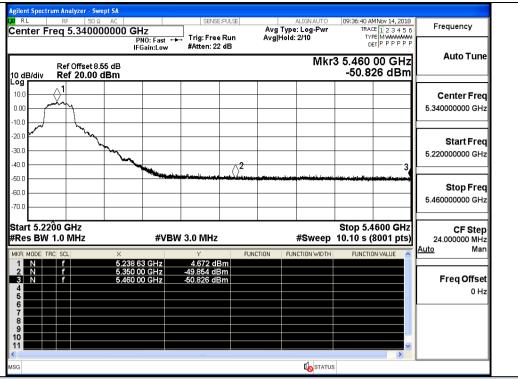
IEEE 802.11n HT40 / Channel 46 / 5230 MHz / Average



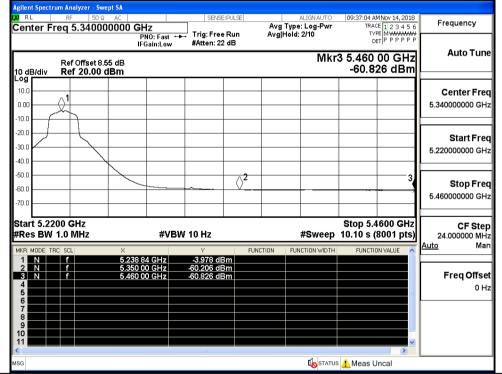
IEEE 802.11ac VHT20 / Channel 36 / 5180 MHz / Peak



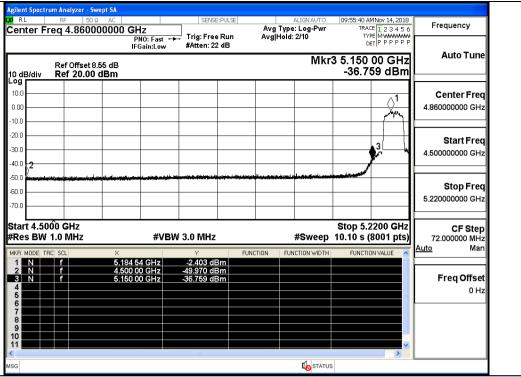
IEEE 802.11ac VHT20 / Channel 36 / 5180 MHz / Average



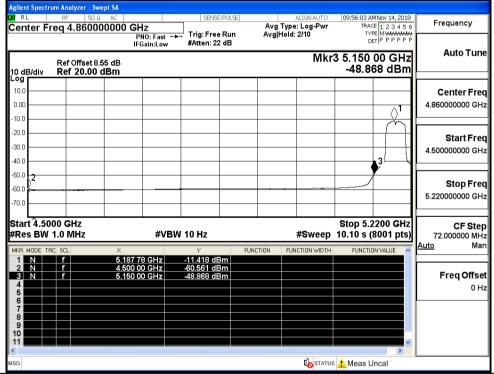
IEEE 802.11ac VHT20 / Channel 48 / 5240 MHz / Peak



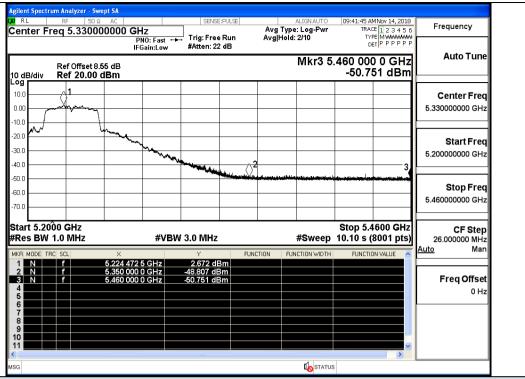
IEEE 802.11ac VHT20 / Channel 48 / 5240 MHz / Average



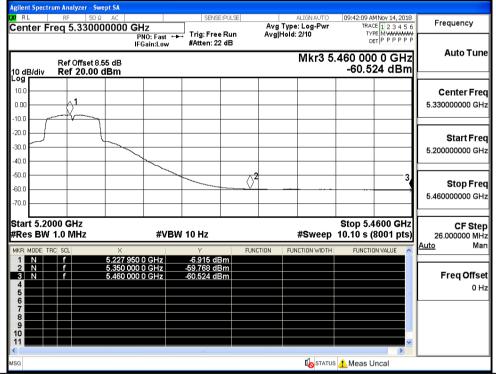
IEEE 802.11ac VHT40 / Channel 38 / 5190 MHz / Peak



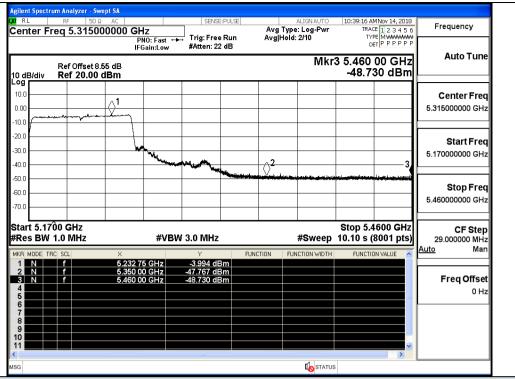
IEEE 802.11ac VHT40 / Channel 38 / 5190 MHz / Average



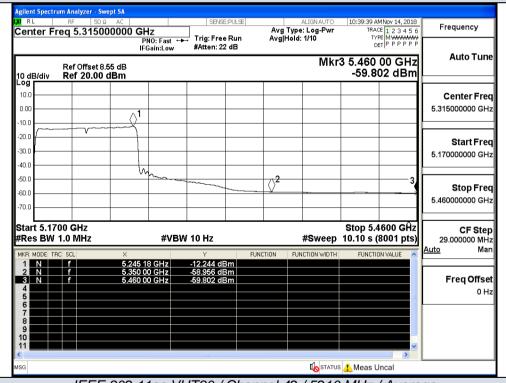
IEEE 802.11ac VHT40 / Channel 46 / 5230 MHz / Peak



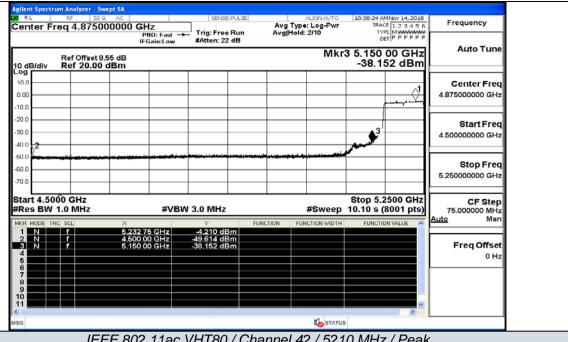
IEEE 802.11ac VHT40 / Channel 46 / 5230 MHz / Average



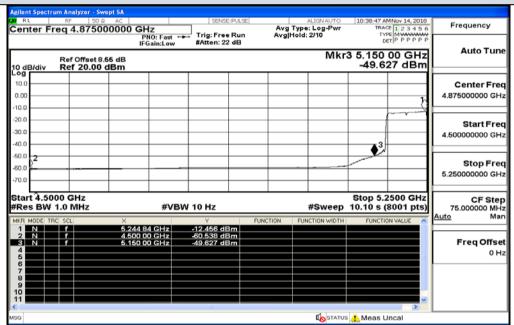
IEEE 802.11ac VHT80 / Channel 42 / 5210 MHz / Peak



IEEE 802.11ac VHT80 / Channel 42 / 5210 MHz / Average



IEEE 802.11ac VHT80 / Channel 42 / 5210 MHz / Peak



IEEE 802.11ac VHT80 / Channel 42 / 5210 MHz / Average