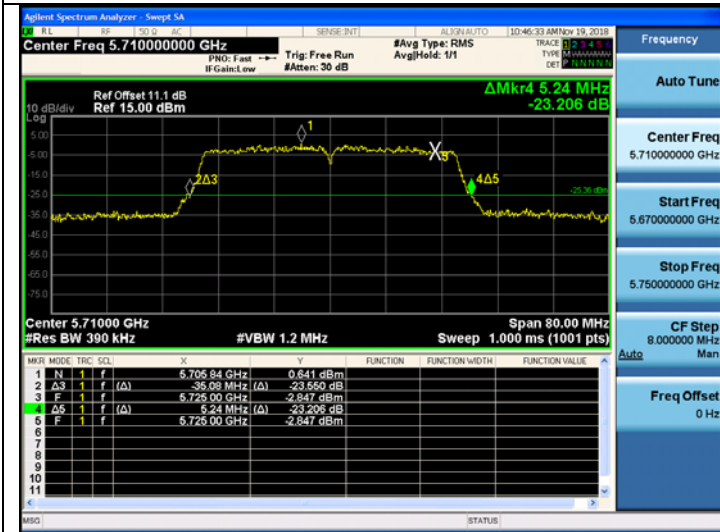


■ Test Plots(26dB Bandwidth)

802.11n\_HT40 CH.142 Bandwidth

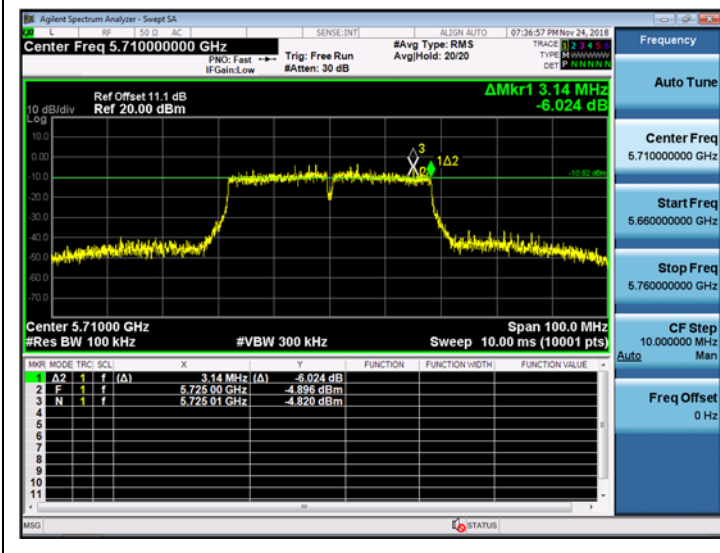


802.11ac\_VHT40 CH.142 Bandwidth

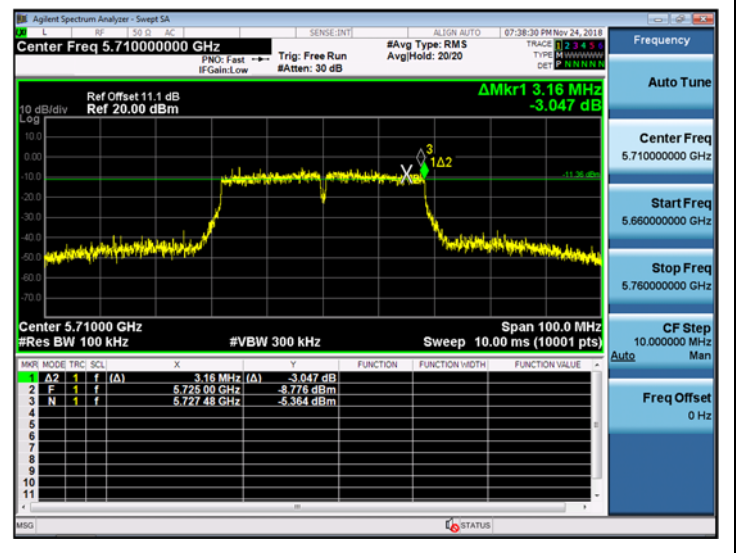


■ Test Plots(UNII 3 Band 6dB Bandwidth)

802.11n\_HT40 CH.142 Bandwidth



802.11ac\_VHT40 CH.142 Bandwidth



■ **Straddle channels TEST RESULTS**

Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 2C Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11ac	5690	138	76.52	N/A	Pass

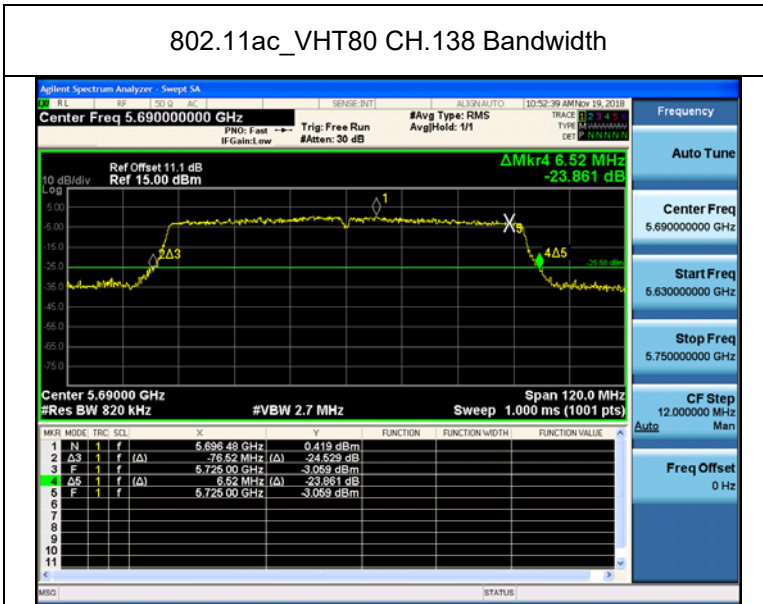
Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11ac	5690	138	6.52	N/A	Pass

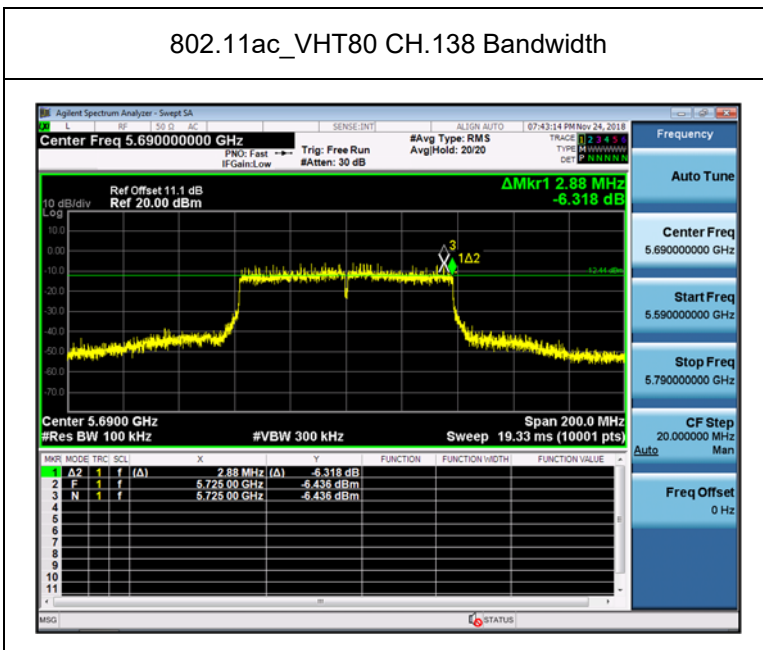
Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	6dB Bandwidth [MHz]	Limit [MHz]	Pass / Fail
802.11ac	5690	138	2.88	> 0.5	Pass

■ Test Plots(26dB Bandwidth)



■ Test Plots(UNII 3 Band 6dB Bandwidth)



**[Ant2]**

**■ Straddle channels TEST RESULTS**

Conducted Bandwidth Measurements for 802.11a/n\_HT20/ac\_VHT20 (UNII 2C Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11a	5720	144	15.40	N/A	Pass
802.11n			15.76	N/A	Pass
802.11ac			15.68	N/A	Pass

Conducted Bandwidth Measurements for 802.11a/n\_HT20/ac\_VHT20 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11a	5720	144	5.24	N/A	Pass
802.11n			5.40	N/A	Pass
802.11ac			5.72	N/A	Pass

Conducted Bandwidth Measurements for 802.11a/n\_HT20/ac\_VHT20 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	6dB Bandwidth [MHz]	Limit [MHz]	Pass / Fail
802.11a	5720	144	3.132	> 0.5	Pass
802.11n			3.764	> 0.5	Pass
802.11ac			3.764	> 0.5	Pass

■ Test Plots(26dB Bandwidth)

802.11a CH.144 Bandwidth



802.11n\_HT20 CH.144 Bandwidth

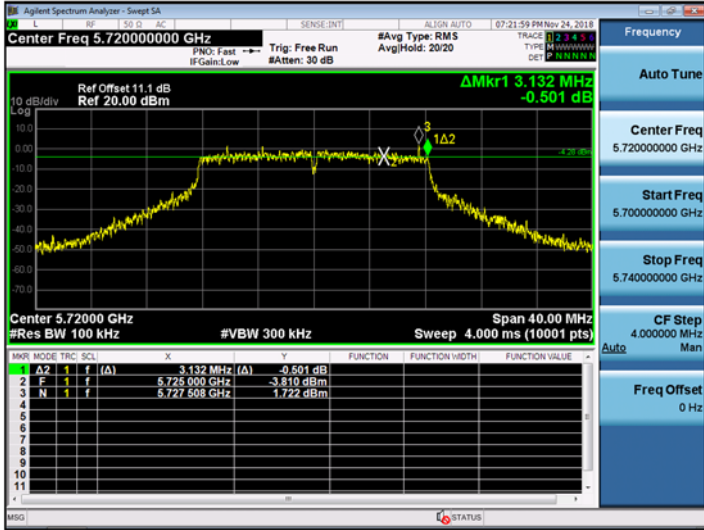


802.11ac\_VHT20 CH.144 Bandwidth

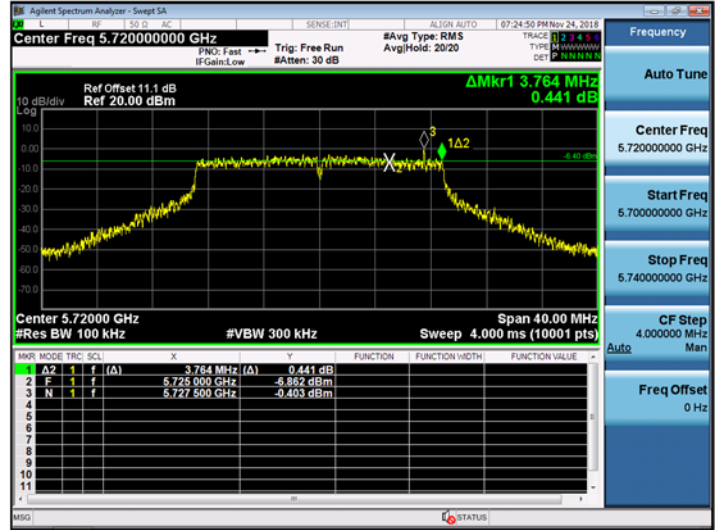


■ Test Plots(UNII 3 Band 6dB Bandwidth)

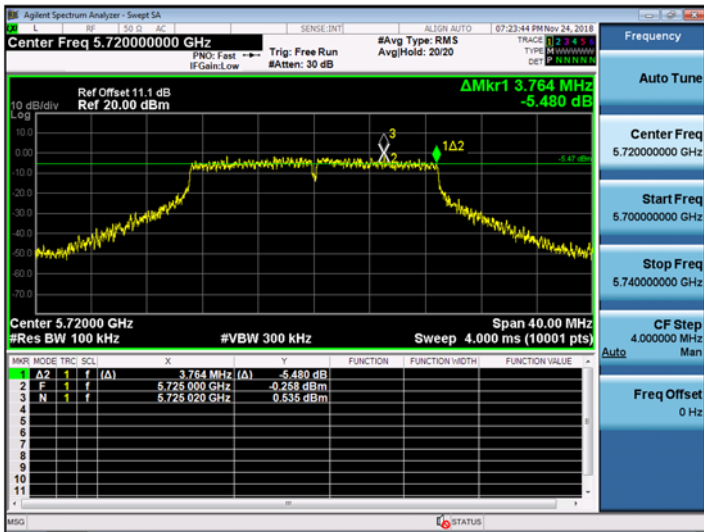
802.11a CH.144 Bandwidth



802.11n\_HT20 CH.144 Bandwidth



802.11ac\_VHT20 CH.144 Bandwidth



■ **Straddle channels TEST RESULTS** Conducted Bandwidth Measurements for

802.11n\_HT40/ac\_VHT40 (UNII 2C Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11n	5710	142	35.24	N/A	Pass
802.11ac			35.48	N/A	Pass

Conducted Bandwidth Measurements for 802.11n\_HT40/ac\_VHT40 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11n	5710	142	5.00	N/A	Pass
802.11ac			5.24	N/A	Pass

Conducted Bandwidth Measurements for 802.11n\_HT40/ac\_VHT40 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	6dB Bandwidth [MHz]	Limit [MHz]	Pass / Fail
802.11n	5710	142	3.17	> 0.5	Pass
802.11ac			3.18	> 0.5	Pass

■ Test Plots(26dB Bandwidth)

802.11n\_HT40 CH.142 Bandwidth

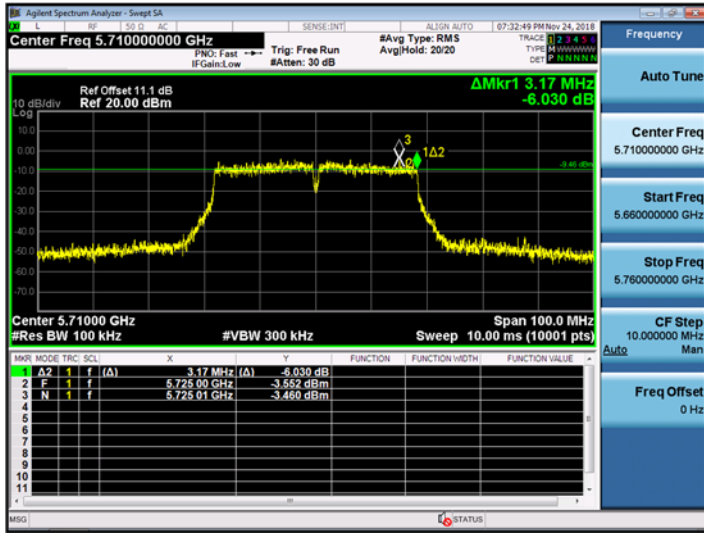


802.11ac\_VHT40 CH.142 Bandwidth

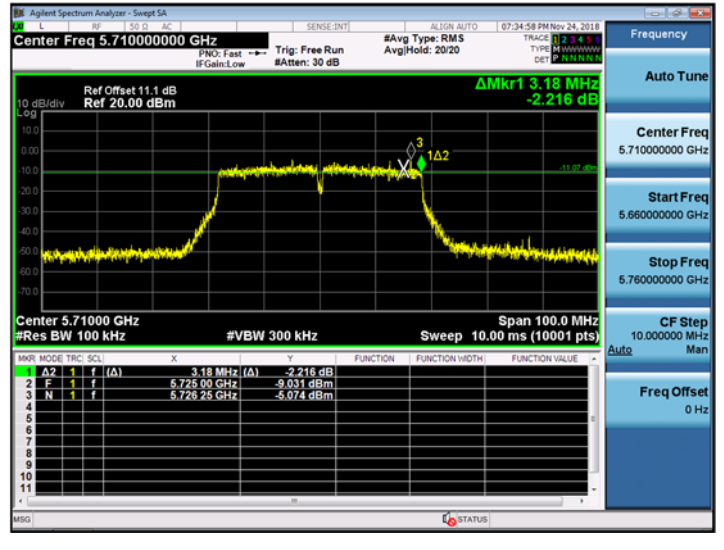


■ Test Plots(UNII 3 Band 6dB Bandwidth)

802.11n\_HT40 CH.142 Bandwidth



802.11ac\_VHT40 CH.142 Bandwidth





**Straddle channels TEST RESULTS**

Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 2C Band)

Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11ac	5690	138	76.28	N/A	Pass

Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 3 Band)

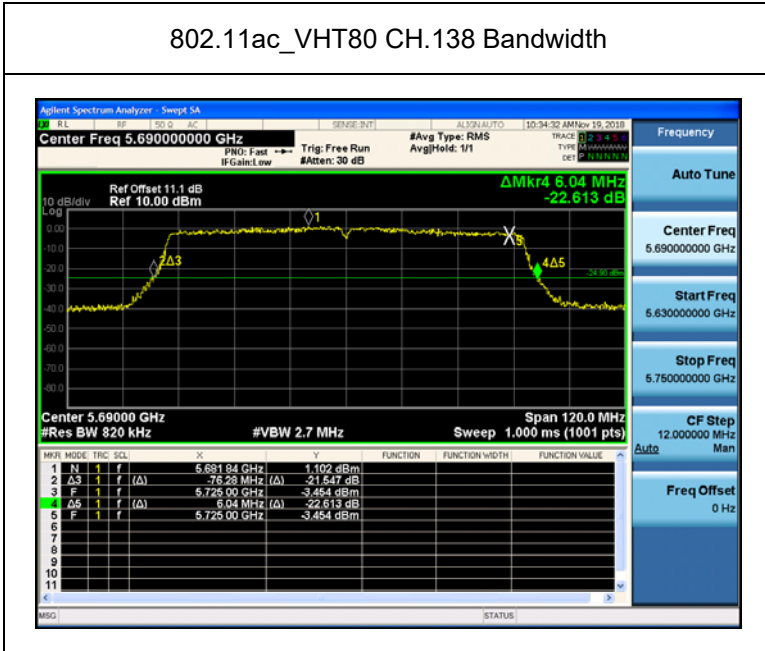
Mode	Frequency [MHz]	Channel No.	26dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11ac	5690	138	6.04	N/A	Pass

Conducted Bandwidth Measurements for 802.11ac\_VHT80 (UNII 3 Band)

Mode	Frequency [MHz]	Channel No.	6dB Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
802.11ac	5690	138	3.12	N/A	Pass

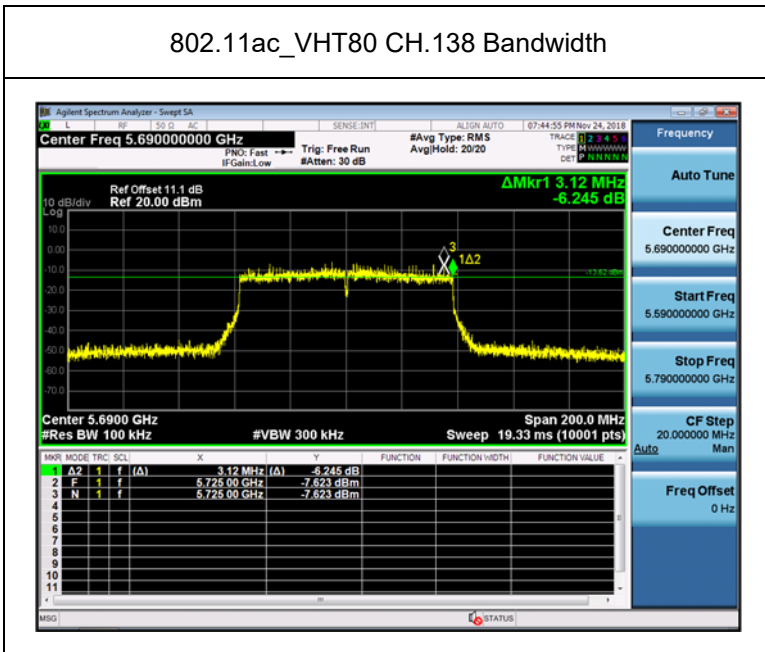
■ Test Plots(26dB Bandwidth)

802.11ac\_VHT80 CH.138 Bandwidth



■ Test Plots(UNII 3 Band 6dB Bandwidth)

802.11ac\_VHT80 CH.138 Bandwidth



**10.4 OUTPUT POWER MEASUREMENT**

802.11a Mode		Rate (Mbps)	[Ant1] Total Power(dBm)	[Ant2] Total Power(dBm)	[MIMO] Total Power(dBm)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	6 Mbps	13.70	13.38	16.55	23.98
		9 Mbps	13.64	13.36	16.51	
		12 Mbps	13.62	13.34	16.50	
		18 Mbps	13.99	13.81	16.91	
		24 Mbps	13.91	13.68	16.81	
		36 Mbps	13.50	13.45	16.49	
		48 Mbps	13.55	13.49	16.53	
		54 Mbps	13.52	13.46	16.50	
5200	40	6 Mbps	13.70	13.15	16.44	
		9 Mbps	13.62	13.11	16.38	
		12 Mbps	13.64	13.12	16.40	
		18 Mbps	13.99	13.68	16.85	
		24 Mbps	13.95	13.56	16.77	
		36 Mbps	13.92	13.59	16.77	
		48 Mbps	13.98	13.63	16.82	
		54 Mbps	13.94	13.60	16.79	
5240	48	6 Mbps	13.80	13.35	16.59	
		9 Mbps	13.78	13.32	16.56	
		12 Mbps	13.77	13.31	16.56	
		18 Mbps	13.98	13.69	16.85	
		24 Mbps	13.96	13.55	16.77	
		36 Mbps	13.92	13.62	16.78	
		48 Mbps	13.93	13.66	16.81	
		54 Mbps	13.92	13.65	16.80	

802.11a Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5260	52	6 Mbps	13.47	13.18	23.98	23.98
		9 Mbps	13.44	13.16	16.31	
		12 Mbps	13.43	13.16	16.31	
		18 Mbps	13.98	13.80	16.90	
		24 Mbps	13.90	13.67	16.80	
		36 Mbps	13.84	13.51	16.69	
		48 Mbps	13.87	13.54	16.72	
		54 Mbps	13.85	13.51	16.70	
5300	60	6 Mbps	13.43	13.03	16.24	
		9 Mbps	13.42	13.00	16.22	
		12 Mbps	13.38	12.97	16.19	
		18 Mbps	13.98	13.71	16.86	
		24 Mbps	13.97	13.70	16.85	
		36 Mbps	13.97	13.47	16.74	
		48 Mbps	13.97	13.46	16.73	
		54 Mbps	13.95	13.46	16.72	
5320	64	6 Mbps	13.42	12.93	16.19	
		9 Mbps	13.40	12.92	16.17	
		12 Mbps	13.37	12.90	16.15	
		18 Mbps	13.99	13.64	16.83	
		24 Mbps	13.91	13.55	16.74	
		36 Mbps	13.87	13.38	16.64	
		48 Mbps	13.89	13.39	16.66	
		54 Mbps	13.86	13.40	16.65	

802.11a Mode		Rate (Mbps)	[Ant1] Total Power(dBm)	[Ant2] Total Power(dBm)	[MIMO] Total Power(dBm)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	6 Mbps	13.64	13.69	23.98	23.98
		9 Mbps	13.61	13.65	16.64	
		12 Mbps	13.61	13.63	16.63	
		18 Mbps	13.87	13.98	16.94	
		24 Mbps	13.78	13.92	16.86	
		36 Mbps	13.81	13.95	16.89	
		48 Mbps	13.85	13.97	16.92	
		54 Mbps	13.82	13.94	16.89	
5600	120	6 Mbps	13.01	13.45	16.24	
		9 Mbps	13.03	13.38	16.22	
		12 Mbps	12.97	13.36	16.18	
		18 Mbps	13.81	13.97	16.90	
		24 Mbps	13.67	13.94	16.82	
		36 Mbps	13.20	13.73	16.49	
		48 Mbps	13.22	13.83	16.55	
		54 Mbps	13.17	13.74	16.48	
5720	144	6 Mbps	12.94	13.33	16.15	
		9 Mbps	12.92	13.29	16.12	
		12 Mbps	12.89	13.31	16.12	
		18 Mbps	13.73	13.98	16.87	
		24 Mbps	13.57	13.96	16.78	
		36 Mbps	13.27	13.80	16.56	
		48 Mbps	13.32	13.73	16.54	
		54 Mbps	13.28	13.71	16.51	

802.11a Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5745	149	6 Mbps	13.41	13.19	16.31	30
		9 Mbps	13.40	13.20	16.31	
		12 Mbps	13.37	13.15	16.27	
		18 Mbps	13.95	13.88	16.93	
		24 Mbps	13.94	13.81	16.89	
		36 Mbps	13.61	13.58	16.61	
		48 Mbps	13.60	13.65	16.63	
		54 Mbps	13.60	13.65	16.64	
5785	157	6 Mbps	13.24	13.36	16.31	
		9 Mbps	13.21	13.30	16.26	
		12 Mbps	13.21	13.27	16.25	
		18 Mbps	13.91	13.98	16.96	
		24 Mbps	13.89	13.97	16.94	
		36 Mbps	13.63	13.67	16.66	
		48 Mbps	13.66	13.77	16.72	
		54 Mbps	13.62	13.75	16.70	
5825	165	6 Mbps	13.37	13.45	16.42	
		9 Mbps	13.37	13.41	16.40	
		12 Mbps	13.34	13.39	16.38	
		18 Mbps	13.88	13.98	16.94	
		24 Mbps	13.83	13.85	16.85	
		36 Mbps	13.77	13.82	16.81	
		48 Mbps	13.78	13.87	16.83	
		54 Mbps	13.77	13.80	16.80	

802.11n_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5180	36	MCS0_6.5 Mbps	12.21	12.06	15.15	23.98
		MCS1_13 Mbps	12.08	12.00	15.05	
		MCS2_19.5 Mbps	12.98	12.88	15.94	
		MCS3_26 Mbps	12.95	12.81	15.89	
		MCS4_39 Mbps	12.69	12.62	15.67	
		MCS5_52 Mbps	12.67	12.61	15.65	
		MCS6_58.5 Mbps	12.71	12.64	15.69	
		MCS7_65 Mbps	12.65	12.55	15.61	
5200	40	MCS0_6.5 Mbps	12.46	12.00	15.25	
		MCS1_13 Mbps	12.42	11.92	15.19	
		MCS2_19.5 Mbps	12.97	12.65	15.82	
		MCS3_26 Mbps	12.93	12.64	15.80	
		MCS4_39 Mbps	12.87	12.46	15.68	
		MCS5_52 Mbps	12.87	12.50	15.70	
		MCS6_58.5 Mbps	12.87	12.55	15.72	
		MCS7_65 Mbps	12.84	12.52	15.70	
5240	48	MCS0_6.5 Mbps	12.31	11.83	15.09	
		MCS1_13 Mbps	12.23	11.74	15.00	
		MCS2_19.5 Mbps	12.98	12.71	15.86	
		MCS3_26 Mbps	12.97	12.70	15.85	
		MCS4_39 Mbps	12.88	12.44	15.68	
		MCS5_52 Mbps	12.85	12.45	15.66	
		MCS6_58.5 Mbps	12.88	12.49	15.70	
		MCS7_65 Mbps	12.90	12.43	15.68	

802.11n_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5260	52	MCS0_6.5 Mbps	12.28	11.89	15.10	23.98
		MCS1_13 Mbps	12.20	11.93	15.08	
		MCS2_19.5 Mbps	12.93	12.79	15.87	
		MCS3_26 Mbps	12.90	12.70	15.81	
		MCS4_39 Mbps	12.79	12.49	15.65	
		MCS5_52 Mbps	12.79	12.53	15.67	
		MCS6_58.5 Mbps	12.83	12.53	15.69	
		MCS7_65 Mbps	12.77	12.47	15.63	
5300	60	MCS0_6.5 Mbps	12.25	11.93	15.10	
		MCS1_13 Mbps	12.17	11.86	15.03	
		MCS2_19.5 Mbps	12.97	12.76	15.88	
		MCS3_26 Mbps	12.95	12.73	15.85	
		MCS4_39 Mbps	12.94	12.58	15.78	
		MCS5_52 Mbps	12.92	12.60	15.77	
		MCS6_58.5 Mbps	12.96	12.61	15.80	
		MCS7_65 Mbps	12.90	12.59	15.76	
5320	64	MCS0_6.5 Mbps	12.21	11.77	15.01	
		MCS1_13 Mbps	12.15	11.70	14.94	
		MCS2_19.5 Mbps	12.94	12.61	15.79	
		MCS3_26 Mbps	12.91	12.60	15.77	
		MCS4_39 Mbps	12.88	12.31	15.62	
		MCS5_52 Mbps	12.85	12.31	15.60	
		MCS6_58.5 Mbps	12.89	12.31	15.62	
		MCS7_65 Mbps	12.84	12.30	15.59	



802.11n_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5500	100	MCS0_6.5 Mbps	12.43	12.30	15.38	23.98
		MCS1_13 Mbps	12.38	12.23	15.32	
		MCS2_19.5 Mbps	12.99	12.85	15.93	
		MCS3_26 Mbps	12.98	12.83	15.92	
		MCS4_39 Mbps	12.71	12.57	15.65	
		MCS5_52 Mbps	12.71	12.58	15.66	
		MCS6_58.5 Mbps	12.71	12.63	15.68	
		MCS7_65 Mbps	12.68	12.57	15.64	
5600	120	MCS0_6.5 Mbps	11.96	12.26	15.12	
		MCS1_13 Mbps	11.87	12.15	15.02	
		MCS2_19.5 Mbps	12.78	12.98	15.89	
		MCS3_26 Mbps	12.76	12.95	15.87	
		MCS4_39 Mbps	12.26	12.91	15.61	
		MCS5_52 Mbps	12.21	12.91	15.58	
		MCS6_58.5 Mbps	12.24	12.95	15.62	
		MCS7_65 Mbps	12.25	12.91	15.60	
5720	144	MCS0_6.5 Mbps	11.69	12.24	14.99	
		MCS1_13 Mbps	11.83	12.18	15.02	
		MCS2_19.5 Mbps	12.76	12.97	15.88	
		MCS3_26 Mbps	12.72	12.94	15.84	
		MCS4_39 Mbps	12.42	12.86	15.66	
		MCS5_52 Mbps	12.41	12.86	15.65	
		MCS6_58.5 Mbps	12.43	12.89	15.68	
		MCS7_65 Mbps	12.38	12.86	15.64	

802.11n_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5745	149	MCS0_6.5 Mbps	12.22	12.13	15.19	30
		MCS1_13 Mbps	12.20	12.08	15.15	
		MCS2_19.5 Mbps	12.98	12.87	15.93	
		MCS3_26 Mbps	12.97	12.86	15.93	
		MCS4_39 Mbps	12.58	12.67	15.64	
		MCS5_52 Mbps	12.57	12.67	15.63	
		MCS6_58.5 Mbps	12.59	12.71	15.66	
		MCS7_65 Mbps	12.54	12.65	15.61	
5785	157	MCS0_6.5 Mbps	12.01	12.23	15.13	
		MCS1_13 Mbps	11.94	12.18	15.07	
		MCS2_19.5 Mbps	12.78	13.00	15.90	
		MCS3_26 Mbps	12.74	12.98	15.87	
		MCS4_39 Mbps	12.55	12.70	15.64	
		MCS5_52 Mbps	12.53	12.70	15.63	
		MCS6_58.5 Mbps	12.55	12.74	15.66	
		MCS7_65 Mbps	12.50	12.70	15.61	
5825	165	MCS0_6.5 Mbps	12.29	12.28	15.30	
		MCS1_13 Mbps	12.16	12.24	15.21	
		MCS2_19.5 Mbps	12.90	12.97	15.94	
		MCS3_26 Mbps	12.88	12.95	15.93	
		MCS4_39 Mbps	12.57	12.62	15.61	
		MCS5_52 Mbps	12.56	12.63	15.61	
		MCS6_58.5 Mbps	12.59	12.67	15.64	
		MCS7_65 Mbps	12.53	12.62	15.59	

802.11n_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5190	38	MCS0_13.5 Mbps	9.58	9.86	12.73	23.98
		MCS1_27 Mbps	9.54	9.87	12.72	
		MCS2_40.5 Mbps	9.54	9.86	12.72	
		MCS3_54 Mbps	9.52	9.88	12.71	
		MCS4_81 Mbps	9.52	9.86	12.70	
		MCS5_108 Mbps	9.52	9.82	12.68	
		MCS6_121.5 Mbps	9.51	9.80	12.67	
		MCS7_135 Mbps	9.52	9.78	12.66	
5230	46	MCS0_13.5 Mbps	11.88	11.73	14.82	23.98
		MCS1_27 Mbps	11.91	11.75	14.84	
		MCS2_40.5 Mbps	11.93	11.76	14.86	
		MCS3_54 Mbps	11.89	11.71	14.81	
		MCS4_81 Mbps	11.82	11.67	14.76	
		MCS5_108 Mbps	11.80	11.64	14.73	
		MCS6_121.5 Mbps	11.87	11.63	14.76	
		MCS7_135 Mbps	11.81	11.67	14.75	

802.11n_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5270	54	MCS0_13.5 Mbps	11.88	11.69	14.79	23.98
		MCS1_27 Mbps	11.94	11.76	14.86	
		MCS2_40.5 Mbps	11.97	11.75	14.87	
		MCS3_54 Mbps	11.90	11.69	14.81	
		MCS4_81 Mbps	11.84	11.71	14.78	
		MCS5_108 Mbps	11.84	11.67	14.76	
		MCS6_121.5 Mbps	11.91	11.68	14.80	
		MCS7_135 Mbps	11.38	11.65	14.53	
5310	62	MCS0_13.5 Mbps	11.97	11.62	14.81	
		MCS1_27 Mbps	11.97	11.65	14.82	
		MCS2_40.5 Mbps	11.99	11.65	14.83	
		MCS3_54 Mbps	11.90	11.60	14.77	
		MCS4_81 Mbps	11.90	11.52	14.72	
		MCS5_108 Mbps	11.90	11.58	14.75	
		MCS6_121.5 Mbps	11.90	11.51	14.72	
		MCS7_135 Mbps	11.90	11.58	14.75	

802.11n_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5510	102	MCS0_13.5 Mbps	8.71	8.54	11.64	23.98
		MCS1_27 Mbps	8.69	8.55	11.63	
		MCS2_40.5 Mbps	8.71	8.55	11.64	
		MCS3_54 Mbps	8.65	8.54	11.61	
		MCS4_81 Mbps	8.75	8.46	11.62	
		MCS5_108 Mbps	8.71	8.48	11.61	
		MCS6_121.5 Mbps	8.69	8.49	11.60	
		MCS7_135 Mbps	8.62	8.57	11.61	
5590	118	MCS0_13.5 Mbps	11.46	11.45	14.46	23.98
		MCS1_27 Mbps	11.37	11.45	14.42	
		MCS2_40.5 Mbps	11.45	11.46	14.47	
		MCS3_54 Mbps	11.39	11.42	14.41	
		MCS4_81 Mbps	11.26	11.31	14.30	
		MCS5_108 Mbps	11.27	11.26	14.28	
		MCS6_121.5 Mbps	11.25	11.26	14.27	
		MCS7_135 Mbps	11.26	11.28	14.28	
5710	142	MCS0_13.5 Mbps	11.38	11.67	14.54	23.98
		MCS1_27 Mbps	11.37	11.65	14.52	
		MCS2_40.5 Mbps	11.31	11.65	14.50	
		MCS3_54 Mbps	11.25	11.62	14.45	
		MCS4_81 Mbps	11.21	11.61	14.43	
		MCS5_108 Mbps	11.22	11.58	14.41	
		MCS6_121.5 Mbps	11.25	11.62	14.45	
		MCS7_135 Mbps	11.17	11.58	14.39	

802.11n_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5755	151	MCS0_13.5 Mbps	11.88	11.64	14.77	30
		MCS1_27 Mbps	11.88	11.68	14.79	
		MCS2_40.5 Mbps	11.89	11.70	14.81	
		MCS3_54 Mbps	11.82	11.63	14.74	
		MCS4_81 Mbps	11.71	11.65	14.69	
		MCS5_108 Mbps	11.71	11.66	14.70	
		MCS6_121.5 Mbps	11.77	11.65	14.72	
		MCS7_135 Mbps	11.72	11.61	14.67	
5795	159	MCS0_13.5 Mbps	11.82	11.84	14.84	
		MCS1_27 Mbps	11.82	11.88	14.86	
		MCS2_40.5 Mbps	11.83	11.87	14.86	
		MCS3_54 Mbps	11.79	11.84	14.83	
		MCS4_81 Mbps	11.74	11.73	14.74	
		MCS5_108 Mbps	11.79	11.70	14.76	
		MCS6_121.5 Mbps	11.79	11.76	14.79	
		MCS7_135 Mbps	11.72	11.74	14.74	

802.11ac_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5180	36	MCS0_6.5 Mbps	11.49	11.16	14.34	23.98
		MCS1_13 Mbps	11.35	11.14	14.26	
		MCS2_19.5 Mbps	11.99	11.85	14.93	
		MCS3_26 Mbps	11.95	11.75	14.86	
		MCS4_39 Mbps	11.73	11.61	14.68	
		MCS5_52 Mbps	11.73	11.62	14.68	
		MCS6_58.5 Mbps	11.74	11.64	14.70	
		MCS7_65 Mbps	11.68	11.62	14.66	
		MCS8_78 Mbps	11.98	11.61	14.81	
5200	40	MCS0_6.5 Mbps	11.51	10.96	14.25	
		MCS1_13 Mbps	11.51	10.87	14.21	
		MCS2_19.5 Mbps	11.97	11.59	14.79	
		MCS3_26 Mbps	11.91	11.53	14.73	
		MCS4_39 Mbps	11.84	11.42	14.65	
		MCS5_52 Mbps	11.83	11.42	14.64	
		MCS6_58.5 Mbps	11.84	11.45	14.66	
		MCS7_65 Mbps	11.79	11.42	14.62	
		MCS8_78 Mbps	11.89	11.42	14.67	
5240	48	MCS0_6.5 Mbps	11.65	11.18	14.43	
		MCS1_13 Mbps	11.59	11.11	14.37	
		MCS2_19.5 Mbps	11.98	11.73	14.87	
		MCS3_26 Mbps	11.89	11.64	14.77	
		MCS4_39 Mbps	11.97	11.48	14.75	
		MCS5_52 Mbps	11.95	11.46	14.72	
		MCS6_58.5 Mbps	11.96	11.51	14.75	
		MCS7_65 Mbps	11.93	11.44	14.71	
		MCS8_78 Mbps	11.94	11.45	14.71	

802.11ac_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5260	52	MCS0_6.5 Mbps	11.27	10.89	14.09	23.98
		MCS1_13 Mbps	11.23	10.84	14.05	
		MCS2_19.5 Mbps	11.98	11.74	14.87	
		MCS3_26 Mbps	11.93	11.72	14.83	
		MCS4_39 Mbps	11.83	11.47	14.67	
		MCS5_52 Mbps	11.85	11.48	14.68	
		MCS6_58.5 Mbps	11.92	11.53	14.74	
		MCS7_65 Mbps	11.80	11.49	14.66	
		MCS8_78 Mbps	11.91	11.49	14.72	
5300	60	MCS0_6.5 Mbps	11.28	10.88	14.09	
		MCS1_13 Mbps	11.21	10.82	14.03	
		MCS2_19.5 Mbps	11.98	11.72	14.86	
		MCS3_26 Mbps	11.92	11.70	14.82	
		MCS4_39 Mbps	11.88	11.45	14.68	
		MCS5_52 Mbps	11.83	11.46	14.66	
		MCS6_58.5 Mbps	11.85	11.48	14.68	
		MCS7_65 Mbps	11.80	11.46	14.65	
		MCS8_78 Mbps	11.94	11.46	14.72	
5320	64	MCS0_6.5 Mbps	11.24	10.88	14.07	
		MCS1_13 Mbps	11.24	10.81	14.04	
		MCS2_19.5 Mbps	11.96	11.71	14.85	
		MCS3_26 Mbps	11.93	11.62	14.79	
		MCS4_39 Mbps	11.81	11.58	14.71	
		MCS5_52 Mbps	11.83	11.63	14.74	
		MCS6_58.5 Mbps	11.85	11.64	14.76	
		MCS7_65 Mbps	11.79	11.62	14.72	
		MCS8_78 Mbps	11.92	11.60	14.77	



802.11ac_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5500	100	MCS0_6.5 Mbps	11.44	11.23	14.35	23.98
		MCS1_13 Mbps	11.34	11.18	14.27	
		MCS2_19.5 Mbps	11.96	11.90	14.94	
		MCS3_26 Mbps	11.93	11.86	14.90	
		MCS4_39 Mbps	11.84	11.64	14.75	
		MCS5_52 Mbps	11.87	11.64	14.76	
		MCS6_58.5 Mbps	11.86	11.65	14.77	
		MCS7_65 Mbps	11.80	11.63	14.73	
		MCS8_78 Mbps	11.93	11.66	14.81	
5600	120	MCS0_6.5 Mbps	10.94	11.27	14.12	
		MCS1_13 Mbps	10.88	11.17	14.04	
		MCS2_19.5 Mbps	11.80	11.97	14.90	
		MCS3_26 Mbps	11.78	11.96	14.88	
		MCS4_39 Mbps	11.32	11.77	14.56	
		MCS5_52 Mbps	11.30	11.80	14.56	
		MCS6_58.5 Mbps	11.29	11.82	14.57	
		MCS7_65 Mbps	11.23	11.78	14.53	
		MCS8_78 Mbps	11.72	11.78	14.76	
5720	144	MCS0_6.5 Mbps	10.99	11.20	14.11	
		MCS1_13 Mbps	10.93	11.18	14.07	
		MCS2_19.5 Mbps	11.87	11.95	14.92	
		MCS3_26 Mbps	11.81	11.98	14.90	
		MCS4_39 Mbps	11.35	11.87	14.63	
		MCS5_52 Mbps	11.37	11.84	14.62	
		MCS6_58.5 Mbps	11.37	11.85	14.63	
		MCS7_65 Mbps	11.32	11.83	14.60	
		MCS8_78 Mbps	11.75	11.87	14.82	

802.11ac_HT20 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5745	149	MCS0_6.5 Mbps	11.19	11.12	14.17	30
		MCS1_13 Mbps	11.14	11.02	14.09	
		MCS2_19.5 Mbps	11.97	11.94	14.96	
		MCS3_26 Mbps	11.95	11.92	14.94	
		MCS4_39 Mbps	11.70	11.69	14.71	
		MCS5_52 Mbps	11.71	11.70	14.71	
		MCS6_58.5 Mbps	11.72	11.67	14.71	
		MCS7_65 Mbps	11.67	11.64	14.67	
		MCS8_78 Mbps	11.96	11.74	14.86	
5785	157	MCS0_6.5 Mbps	10.94	11.13	14.05	
		MCS1_13 Mbps	10.87	11.07	13.98	
		MCS2_19.5 Mbps	11.81	11.93	14.88	
		MCS3_26 Mbps	11.79	11.91	14.86	
		MCS4_39 Mbps	11.57	11.69	14.64	
		MCS5_52 Mbps	11.62	11.71	14.67	
		MCS6_58.5 Mbps	11.61	11.73	14.68	
		MCS7_65 Mbps	11.54	11.69	14.63	
		MCS8_78 Mbps	11.71	11.70	14.72	
5825	165	MCS0_6.5 Mbps	11.18	11.22	14.21	
		MCS1_13 Mbps	11.12	11.13	14.14	
		MCS2_19.5 Mbps	11.98	11.93	14.96	
		MCS3_26 Mbps	11.96	11.98	14.98	
		MCS4_39 Mbps	11.66	11.69	14.69	
		MCS5_52 Mbps	11.66	11.76	14.72	
		MCS6_58.5 Mbps	11.67	11.79	14.74	
		MCS7_65 Mbps	11.63	11.76	14.71	
		MCS8_78 Mbps	11.89	11.76	14.84	

802.11ac_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5190	38	MCS0_13.5 Mbps	9.68	9.88	12.80	23.98
		MCS1_27 Mbps	9.67	9.82	12.76	
		MCS2_40.5 Mbps	9.66	9.84	12.76	
		MCS3_54 Mbps	9.62	9.79	12.72	
		MCS4_81 Mbps	9.56	9.79	12.68	
		MCS5_108 Mbps	9.53	9.76	12.66	
		MCS6_121.5 Mbps	9.57	9.75	12.68	
		MCS7_135 Mbps	9.55	9.74	12.66	
		MCS8_162 Mbps	9.58	9.80	12.70	
		MCS9_180 Mbps	9.54	9.75	12.66	
5230	46	MCS0_13.5 Mbps	11.17	10.87	14.03	23.98
		MCS1_27 Mbps	11.24	10.91	14.09	
		MCS2_40.5 Mbps	11.25	10.90	14.09	
		MCS3_54 Mbps	11.18	10.83	14.02	
		MCS4_81 Mbps	11.22	10.73	13.99	
		MCS5_108 Mbps	11.17	10.75	13.98	
		MCS6_121.5 Mbps	11.19	10.70	13.96	
		MCS7_135 Mbps	11.20	10.68	13.96	
		MCS8_162 Mbps	11.17	10.78	13.99	
		MCS9_180 Mbps	11.16	10.76	13.98	

802.11ac_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5270	54	MCS0_13.5 Mbps	10.94	10.38	13.68	23.98
		MCS1_27 Mbps	10.98	10.32	13.67	
		MCS2_40.5 Mbps	11.04	10.32	13.71	
		MCS3_54 Mbps	11.01	10.27	13.67	
		MCS4_81 Mbps	10.79	10.28	13.55	
		MCS5_108 Mbps	10.87	10.28	13.59	
		MCS6_121.5 Mbps	10.85	10.26	13.58	
		MCS7_135 Mbps	10.85	10.23	13.57	
		MCS8_162 Mbps	10.86	10.32	13.61	
		MCS9_180 Mbps	10.86	10.26	13.58	
5310	62	MCS0_13.5 Mbps	11.01	10.45	13.75	
		MCS1_27 Mbps	11.01	10.43	13.74	
		MCS2_40.5 Mbps	11.05	10.42	13.76	
		MCS3_54 Mbps	11.00	10.39	13.72	
		MCS4_81 Mbps	10.89	10.34	13.63	
		MCS5_108 Mbps	10.87	10.36	13.63	
		MCS6_121.5 Mbps	10.84	10.36	13.62	
		MCS7_135 Mbps	10.87	10.34	13.62	
		MCS8_162 Mbps	10.90	10.37	13.65	
		MCS9_180 Mbps	10.89	10.33	13.63	

802.11ac_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5510	102	MCS0_13.5 Mbps	8.65	8.56	11.61	23.98
		MCS1_27 Mbps	8.65	8.54	11.61	
		MCS2_40.5 Mbps	8.63	8.56	11.60	
		MCS3_54 Mbps	8.63	8.55	11.60	
		MCS4_81 Mbps	8.63	8.55	11.60	
		MCS5_108 Mbps	8.64	8.55	11.60	
		MCS6_121.5 Mbps	8.64	8.54	11.60	
		MCS7_135 Mbps	8.63	8.55	11.60	
		MCS8_162 Mbps	8.63	8.54	11.60	
		MCS9_180 Mbps	8.63	8.56	11.61	
5590	118	MCS0_13.5 Mbps	10.38	10.04	13.22	23.98
		MCS1_27 Mbps	10.33	10.02	13.19	
		MCS2_40.5 Mbps	10.38	10.06	13.23	
		MCS3_54 Mbps	10.35	9.98	13.18	
		MCS4_81 Mbps	10.16	9.86	13.03	
		MCS5_108 Mbps	10.16	9.85	13.02	
		MCS6_121.5 Mbps	10.15	9.84	13.01	
		MCS7_135 Mbps	10.12	9.87	13.01	
		MCS8_162 Mbps	10.13	9.89	13.02	
		MCS9_180 Mbps	10.18	9.87	13.04	
5710	142	MCS0_13.5 Mbps	10.21	10.45	13.34	23.98
		MCS1_27 Mbps	10.27	10.60	13.45	
		MCS2_40.5 Mbps	10.24	10.58	13.42	
		MCS3_54 Mbps	10.18	10.54	13.38	
		MCS4_81 Mbps	10.07	10.43	13.26	
		MCS5_108 Mbps	10.05	10.41	13.24	
		MCS6_121.5 Mbps	10.06	10.46	13.27	
		MCS7_135 Mbps	10.04	10.41	13.24	
		MCS8_162 Mbps	10.03	10.45	13.25	
		MCS9_180 Mbps	9.56	10.47	13.05	

802.11ac_HT40 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency [MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5755	151	MCS0_13.5 Mbps	10.81	10.55	13.69	30
		MCS1_27 Mbps	10.80	10.56	13.69	
		MCS2_40.5 Mbps	10.82	10.59	13.72	
		MCS3_54 Mbps	10.74	10.52	13.64	
		MCS4_81 Mbps	10.72	10.52	13.63	
		MCS5_108 Mbps	10.74	10.53	13.65	
		MCS6_121.5 Mbps	10.76	10.52	13.65	
		MCS7_135 Mbps	10.65	10.51	13.59	
		MCS8_162 Mbps	10.67	10.58	13.64	
		MCS9_180 Mbps	10.67	10.46	13.58	
5795	159	MCS0_13.5 Mbps	10.86	10.75	13.82	
		MCS1_27 Mbps	10.80	10.73	13.78	
		MCS2_40.5 Mbps	10.79	10.70	13.76	
		MCS3_54 Mbps	10.76	10.69	13.74	
		MCS4_81 Mbps	10.74	10.65	13.71	
		MCS5_108 Mbps	10.69	10.67	13.69	
		MCS6_121.5 Mbps	10.71	10.64	13.69	
		MCS7_135 Mbps	10.69	10.60	13.65	
		MCS8_162 Mbps	10.73	10.73	13.74	
		MCS9_180 Mbps	10.69	10.64	13.67	

802.11ac_HT80 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency[MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5210	42	MCS0_29.3 Mbps	8.95	8.72	11.85	23.98
		MCS1_58.5 Mbps	9.02	8.76	11.90	
		MCS2_87.8 Mbps	9.06	8.83	11.96	
		MCS3_117 Mbps	9.01	8.78	11.90	
		MCS4_175.5 Mbps	9.06	8.70	11.90	
		MCS5_234 Mbps	9.00	8.63	11.83	
		MCS6_263.3 Mbps	9.03	8.70	11.88	
		MCS7_292.5 Mbps	8.97	8.68	11.84	
		MCS8_351 Mbps	8.98	8.75	11.87	
		MCS9_390 Mbps	8.93	8.74	11.85	

802.11ac_HT80 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency[MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5290	58	MCS0_29.3 Mbps	11.11	10.68	13.91	23.98
		MCS1_58.5 Mbps	11.18	10.75	13.98	
		MCS2_87.8 Mbps	11.27	10.82	14.06	
		MCS3_117 Mbps	11.24	10.80	14.04	
		MCS4_175.5 Mbps	11.25	10.77	14.03	
		MCS5_234 Mbps	11.23	10.79	14.03	
		MCS6_263.3 Mbps	11.10	10.40	13.77	
		MCS7_292.5 Mbps	10.72	10.79	13.77	
		MCS8_351 Mbps	11.18	10.86	14.03	
		MCS9_390 Mbps	11.20	10.32	13.79	



802.11ac_HT80 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency[MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5530	106	MCS0_29.3 Mbps	8.54	8.43	11.50	23.98
		MCS1_58.5 Mbps	8.65	8.57	11.62	
		MCS2_87.8 Mbps	8.69	8.67	11.69	
		MCS3_117 Mbps	8.64	8.62	11.64	
		MCS4_175.5 Mbps	8.59	8.56	11.58	
		MCS5_234 Mbps	8.58	8.01	11.32	
		MCS6_263.3 Mbps	8.61	8.59	11.61	
		MCS7_292.5 Mbps	8.61	8.59	11.61	
		MCS8_351 Mbps	8.55	8.59	11.58	
		MCS9_390 Mbps	8.07	8.60	11.36	
5610	122	MCS0_29.3 Mbps	10.11	10.31	13.22	23.98
		MCS1_58.5 Mbps	10.22	10.37	13.31	
		MCS2_87.8 Mbps	10.31	10.45	13.39	
		MCS3_117 Mbps	10.29	10.41	13.36	
		MCS4_175.5 Mbps	10.17	10.46	13.33	
		MCS5_234 Mbps	9.62	10.46	13.07	
		MCS6_263.3 Mbps	10.16	10.50	13.34	
		MCS7_292.5 Mbps	10.13	9.97	13.06	
		MCS8_351 Mbps	10.11	10.50	13.32	
		MCS9_390 Mbps	10.16	10.53	13.36	
5690	138	MCS0_29.3 Mbps	10.81	10.89	13.86	23.98
		MCS1_58.5 Mbps	10.89	10.94	13.93	
		MCS2_87.8 Mbps	10.96	11.02	14.00	
		MCS3_117 Mbps	10.87	10.97	13.93	
		MCS4_175.5 Mbps	10.85	10.80	13.84	
		MCS5_234 Mbps	10.82	10.82	13.83	
		MCS6_263.3 Mbps	10.84	10.87	13.87	
		MCS7_292.5 Mbps	10.82	10.82	13.83	
		MCS8_351 Mbps	10.79	10.76	13.79	
		MCS9_390 Mbps	10.77	10.86	13.83	

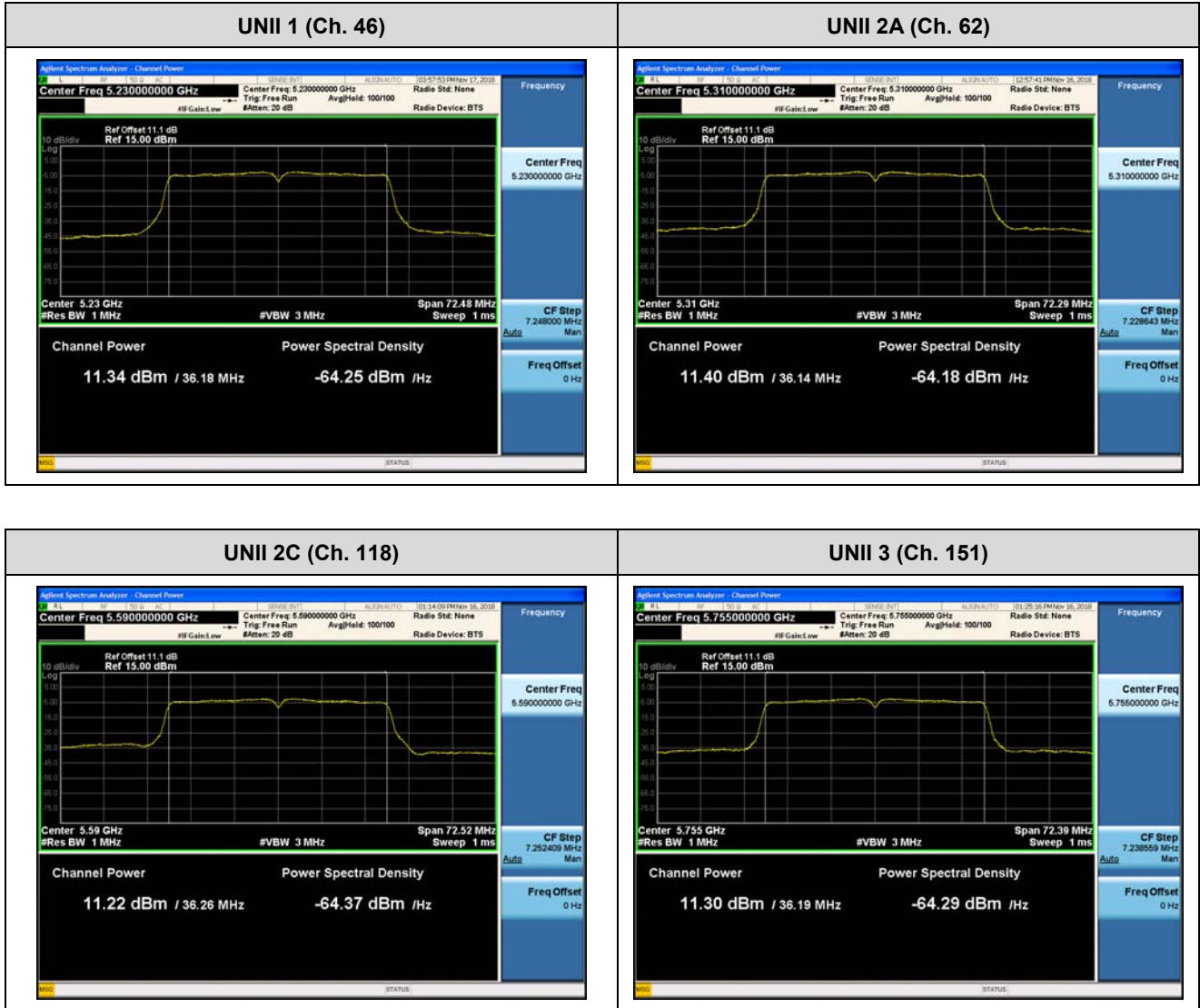
802.11ac_HT80 Mode		Rate (Mbps)	[Ant1]	[Ant2]	[MIMO]	Limit (dBm)
Frequency[MHz]	Channel No.		Total Power(dBm)	Total Power(dBm)	Total Power(dBm)	
5775	155	MCS0_29.3 Mbps	9.97	10.54	13.27	30
		MCS1_58.5 Mbps	10.06	10.59	13.35	
		MCS2_87.8 Mbps	10.12	10.70	13.43	
		MCS3_117 Mbps	10.07	10.64	13.38	
		MCS4_175.5 Mbps	10.00	10.72	13.39	
		MCS5_234 Mbps	9.92	10.72	13.35	
		MCS6_263.3 Mbps	9.98	10.77	13.40	
		MCS7_292.5 Mbps	9.67	10.74	13.25	
		MCS8_351 Mbps	9.94	10.74	13.37	
		MCS9_390 Mbps	9.94	10.22	13.09	

[Ant1]

■ Test Plots(802.11n(HT40))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.

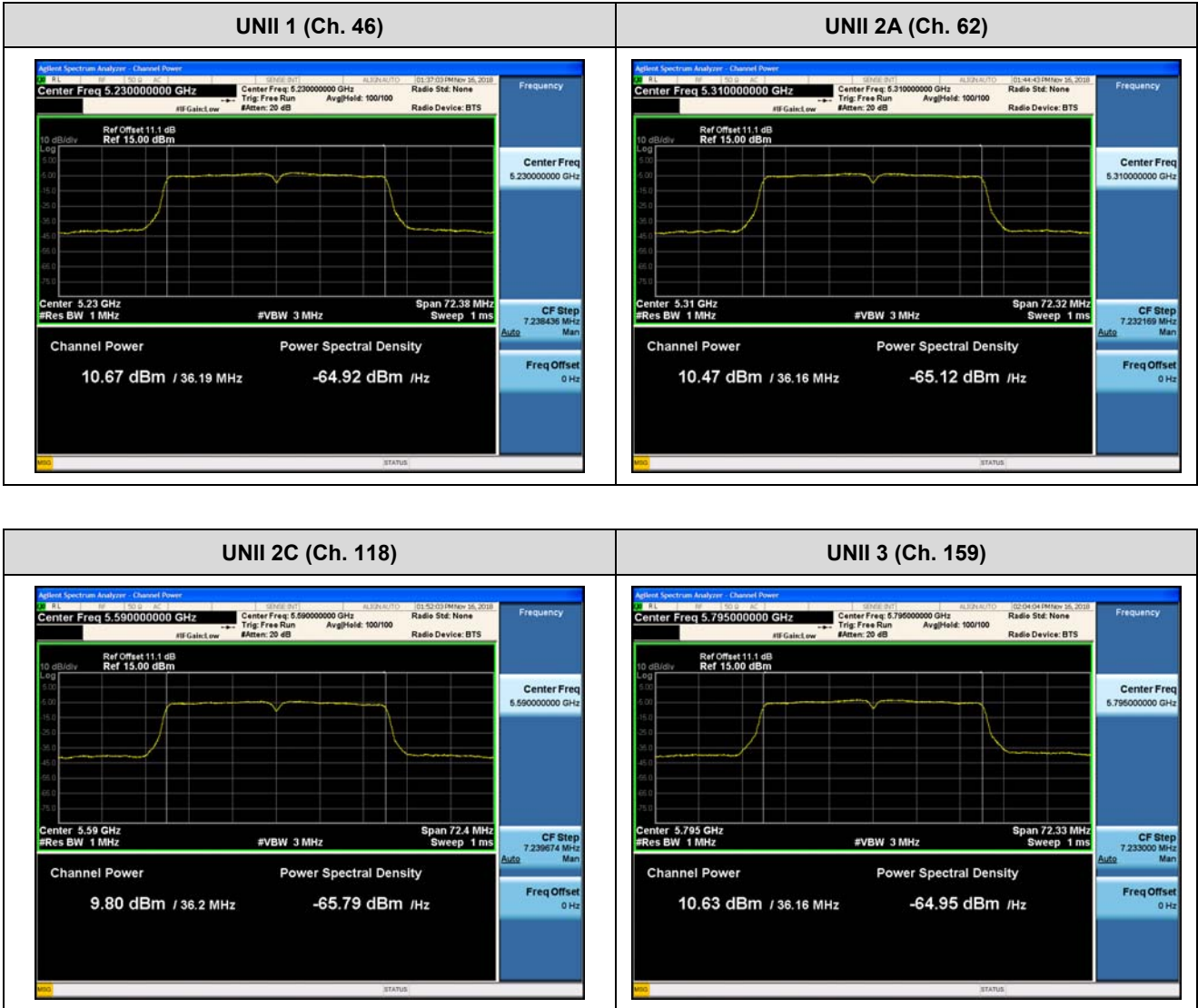


[Ant1]

■ Test Plots(802.11ac(VHT40))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.

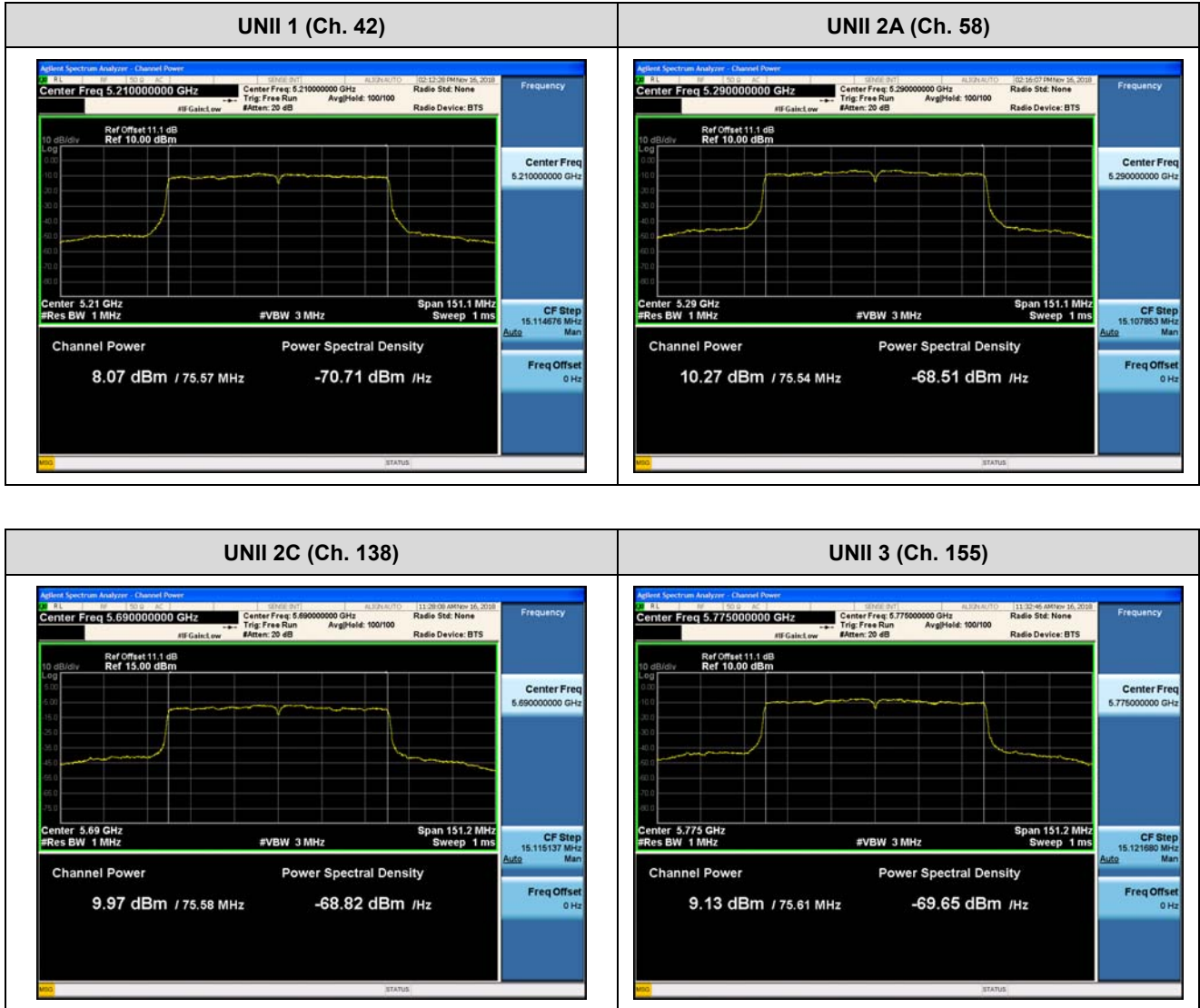


[Ant1]

■ Test Plots(802.11ac(VHT80))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.

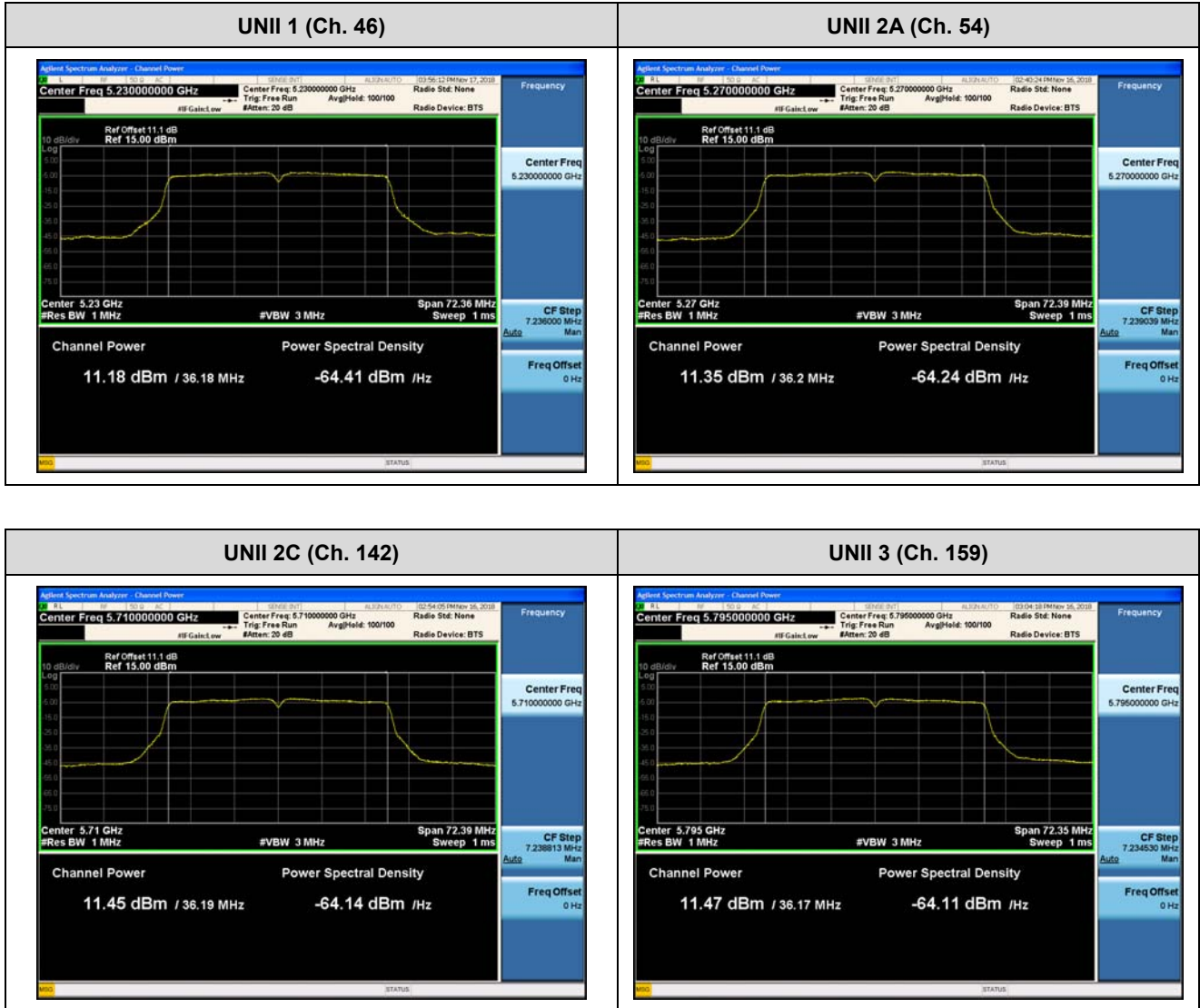


[Ant2]

■ Test Plots(802.11n(HT40))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.

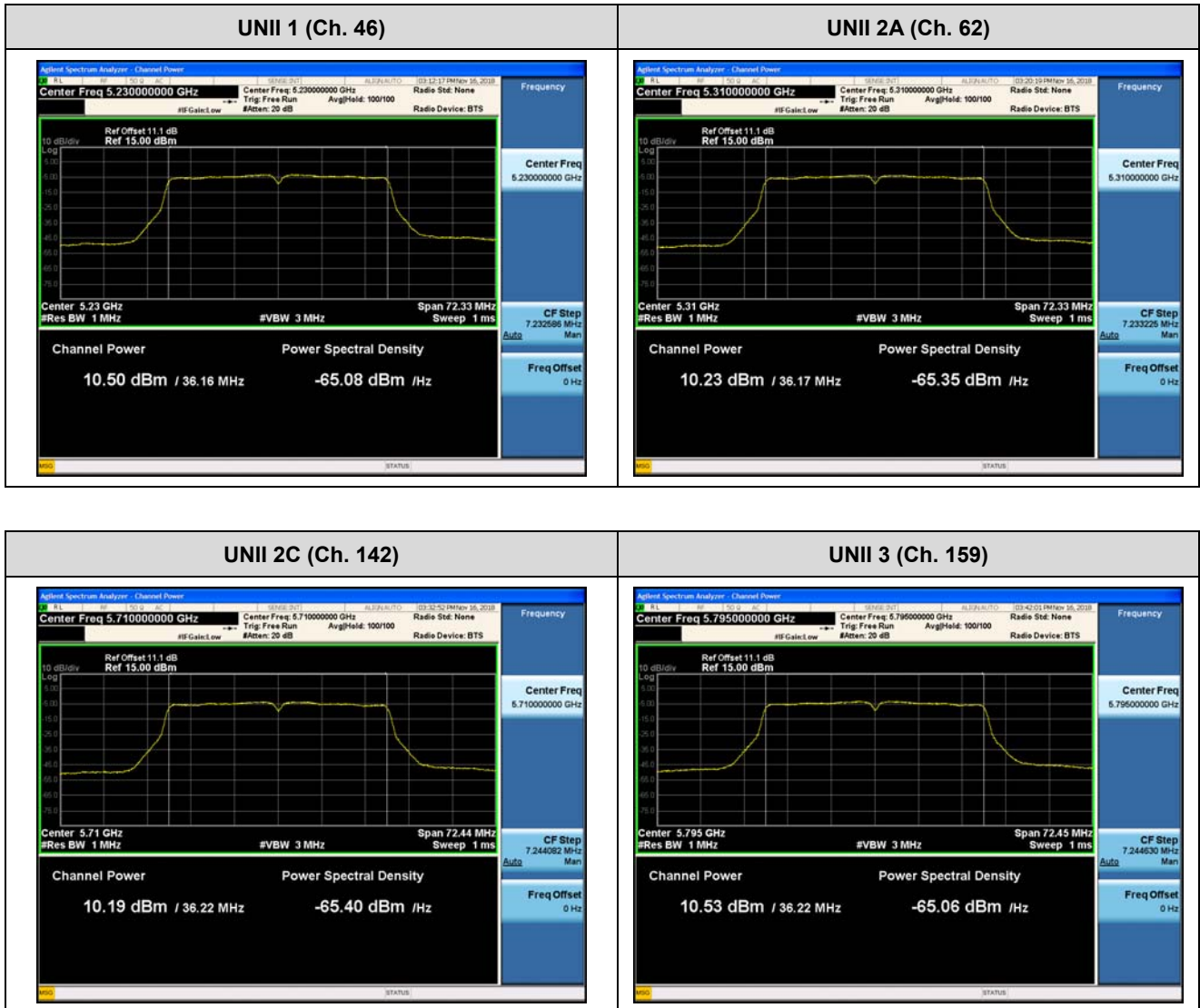


[Ant2]

■ Test Plots(802.11ac(VHT40))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.

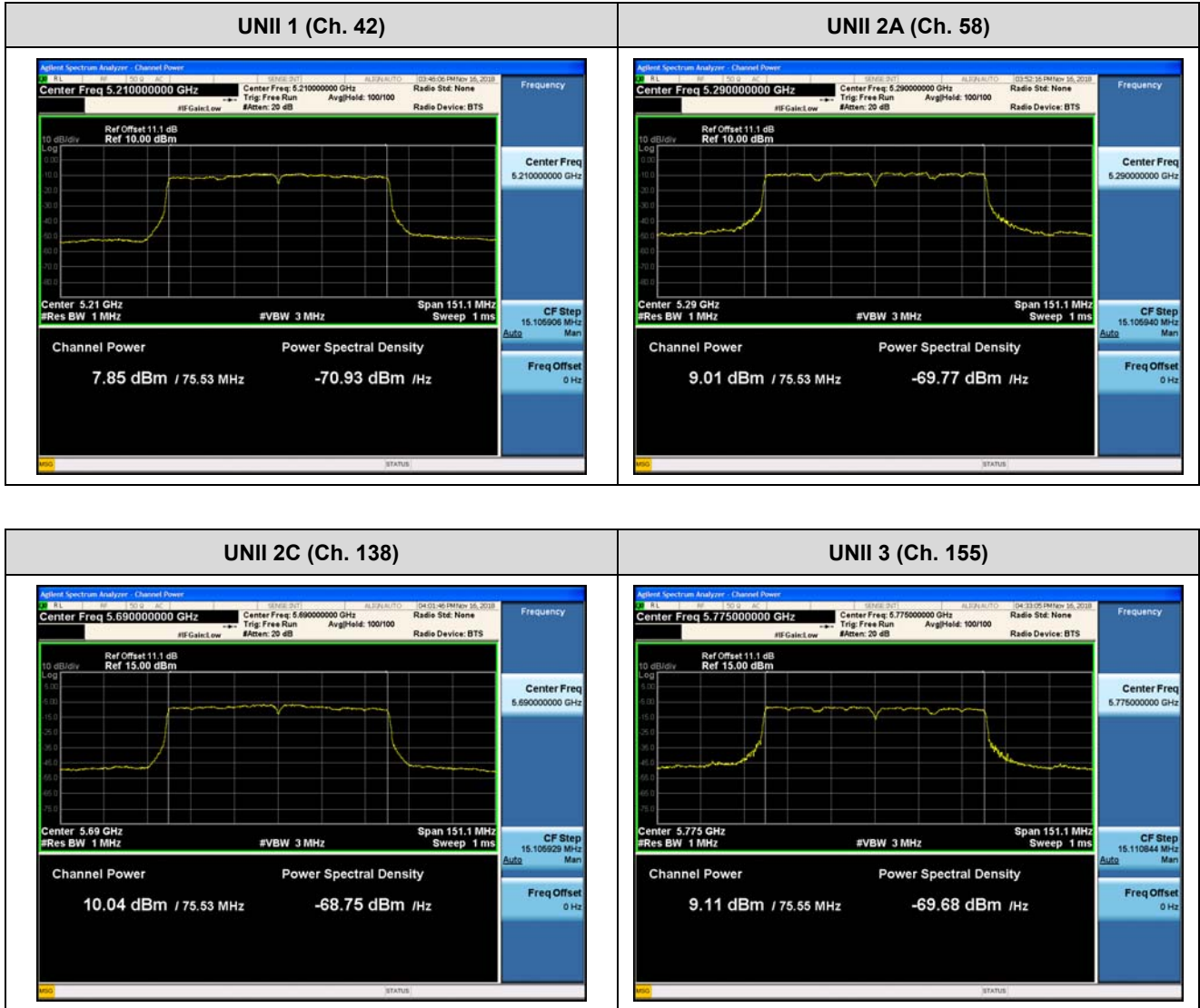


[Ant2]

■ Test Plots(802.11ac(VHT80))

**Note:**

In order to simplify the report, attached plots were only channel of highest power.





[Ant1]

**■ Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11a/n\_HT20/ac\_VHT20 Mode: UNII 2C Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720	144	11.84	0.310	12.15	22.91
802.11n			10.56	0.330	10.89	22.85
802.11ac			9.55	0.325	9.88	22.82

Conducted Output Power Measurements (802.11a/n\_HT20/ac\_VHT20 Mode: UNII 3 Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720	144	4.89	0.310	5.20	30.00
802.11n			4.17	0.330	4.50	30.00
802.11ac			3.16	0.325	3.49	30.00

**Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20**

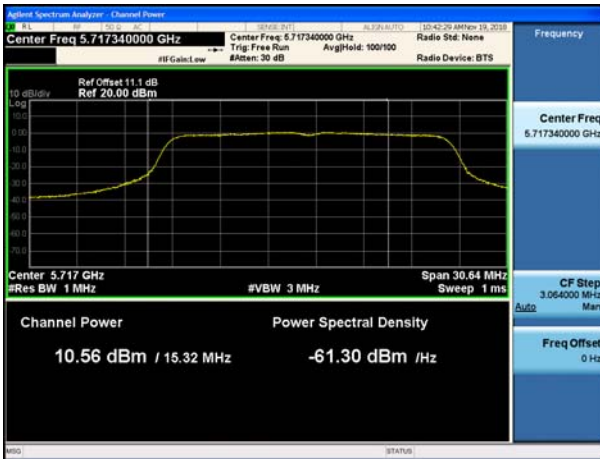
802.11a UNII 2C Band Average Power CH.144



802.11a UNII 3 Band Average Power CH.144



802.11n\_HT20 UNII 2C Band Average Power CH.144



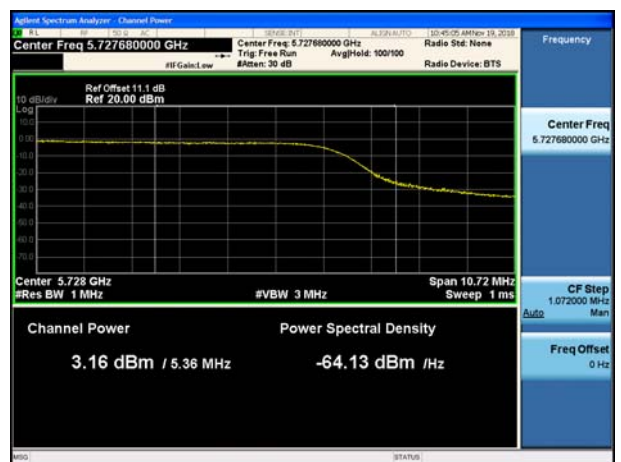
802.11n\_HT20 UNII 3 Band Average Power CH.144



802.11ac\_VHT20 UNII 2C Band Average Power CH.144



802.11ac\_VHT20 UNII 3 Band Average Power CH.144



**■ Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11n\_HT40/ac\_VHT40 Mode: UNII 2C Band 5710MHz)

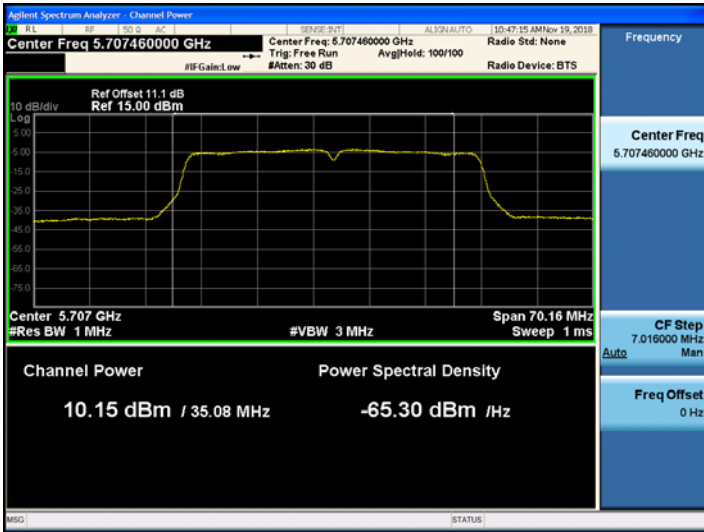
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n	5710	142	10.15	0.232	10.38	23.98
802.11ac			9.07	0.417	9.49	23.98

Conducted Output Power Measurements (802.11n\_HT40/ac\_VHT40 Mode: UNII 3 Band 5710MHz)

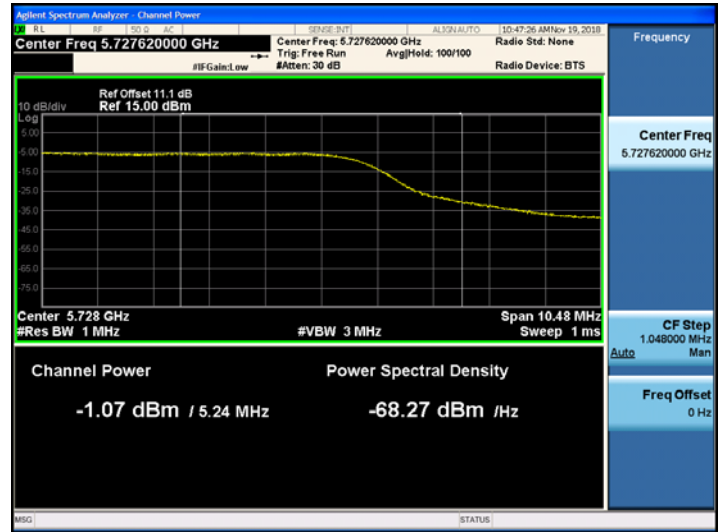
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n	5710	142	-1.07	0.232	-0.84	30.00
802.11ac			-2.06	0.417	-1.64	30.00

**Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40**

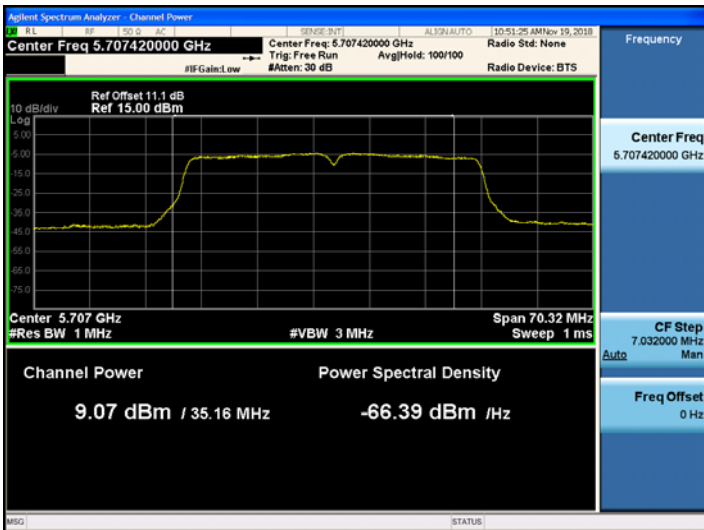
802.11n\_HT40 UNII 2C Band Average Power CH.142



802.11n\_HT40 UNII 3 Band Average Power CH.142



802.11ac\_VHT40 UNII 2C Band Average Power CH.142



802.11ac\_VHT40 UNII 3 Band Average Power CH.142



**Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: UNII 2C Band 5690MHz)

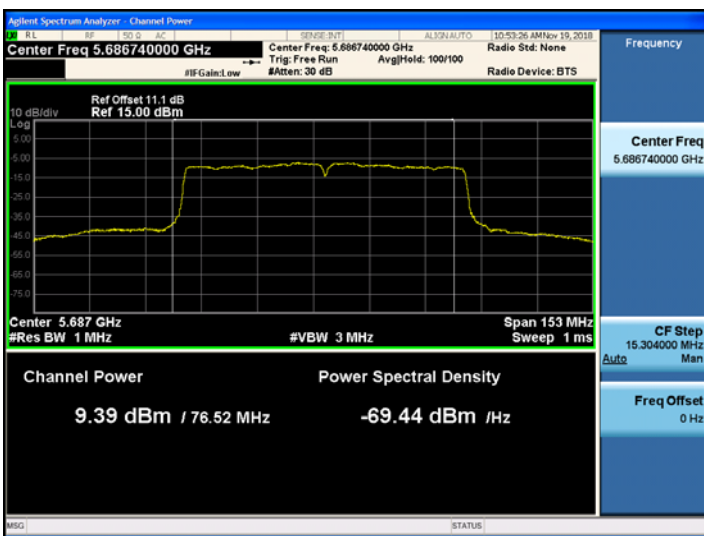
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac	5690	138	9.39	0.992	10.38	23.98

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: UNII 3 Band 5690MHz)

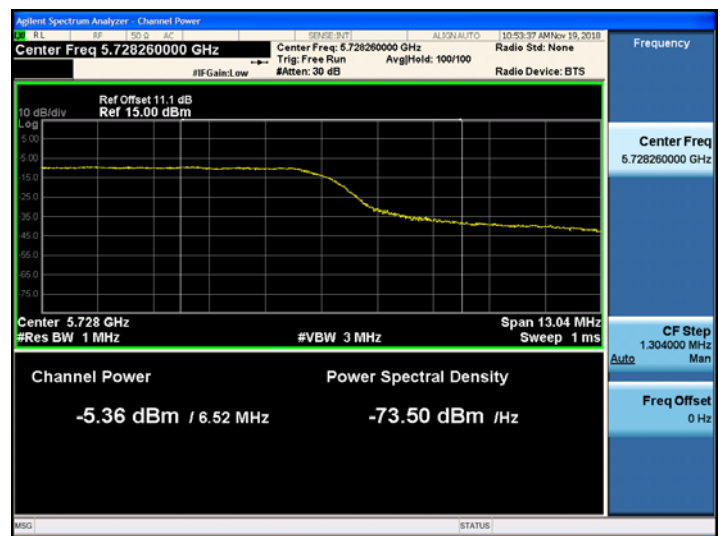
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac	5690	138	-5.36	0.992	-4.37	30.00

**Straddle channels TEST Plot for 802.11ac\_VHT80**

802.11ac\_VHT80 UNII 2C Band Average Power CH.138



802.11ac\_VHT80 UNII 3 Band Average Power CH.138



[Ant2]

**■ Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11a/n\_HT20/ac\_VHT20 Mode: UNII 2C Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720	144	12.95	0.313	13.26	22.88
802.11n			11.66	0.328	11.99	22.98
802.11ac			10.54	0.419	10.96	22.95

Conducted Output Power Measurements (802.11a/n\_HT20/ac\_VHT20 Mode: UNII 3 Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720	144	5.97	0.313	6.28	30.00
802.11n			5.21	0.328	5.54	30.00
802.11ac			4.07	0.419	4.49	30.00

**Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20**

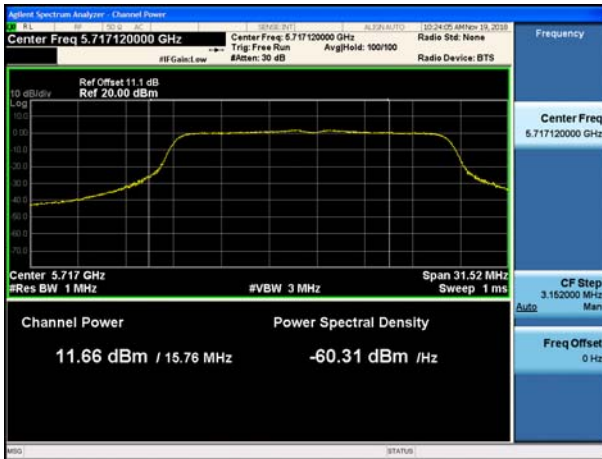
802.11a UNII 2C Band Average Power CH.144



802.11a UNII 3 Band Average Power CH.144



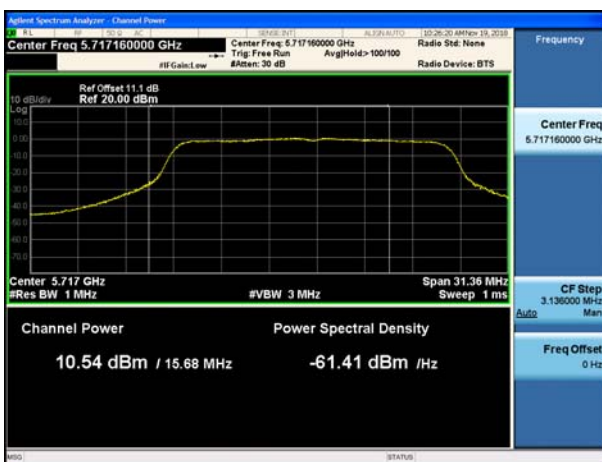
802.11n\_HT20 UNII 2C Band Average Power CH.144



802.11n\_HT20 UNII 3 Band Average Power CH.144



802.11ac\_VHT20 UNII 2C Band Average Power CH.144



802.11ac\_VHT20 UNII 3 Band Average Power CH.144



**■ Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11n\_HT40/ac\_VHT40 Mode: UNII 2C Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n	5710	142	11.27	0.224	11.49	23.98
802.11ac			9.97	0.411	10.38	23.98

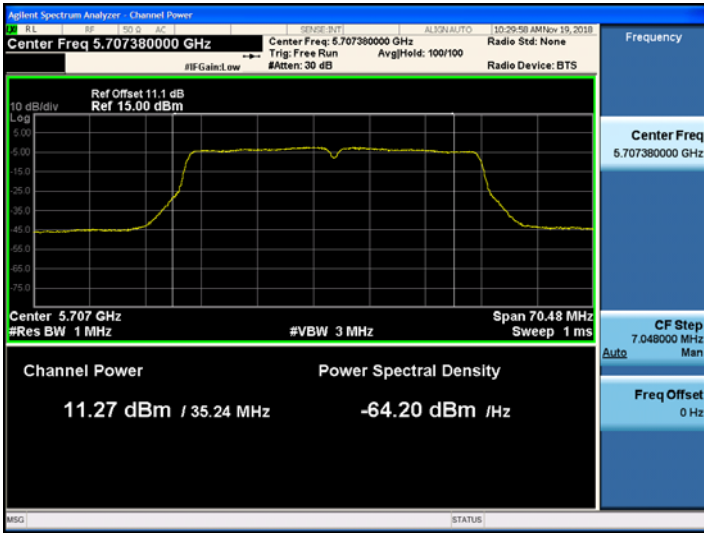
Conducted Output Power Measurements (802.11n\_HT40/ac\_VHT40 Mode: UNII 3 Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n	5710	142	0.00	0.224	0.22	30.00
802.11ac			-1.24	0.411	-0.83	30.00

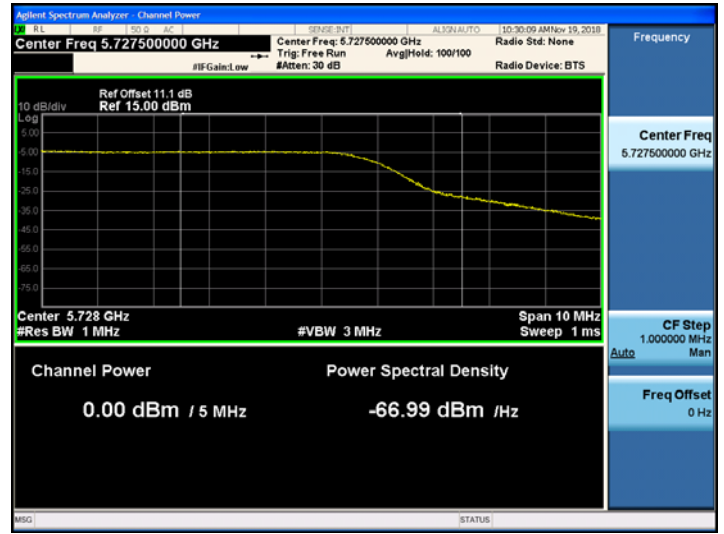


**Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40**

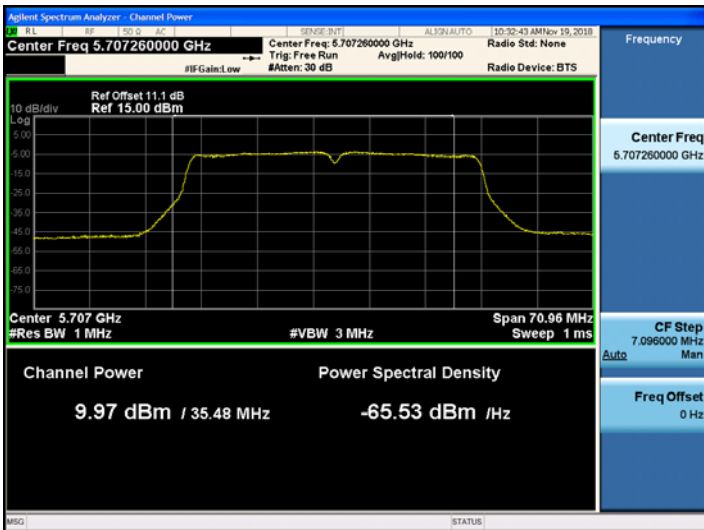
802.11n\_HT40 UNII 2C Band Average Power CH.142



802.11n\_HT40 UNII 3 Band Average Power CH.142



802.11ac\_VHT40 UNII 2C Band Average Power CH.142



802.11ac\_VHT40 UNII 3 Band Average Power CH.142



**Straddle channels TEST RESULTS**

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: UNII 2C Band 5690MHz)

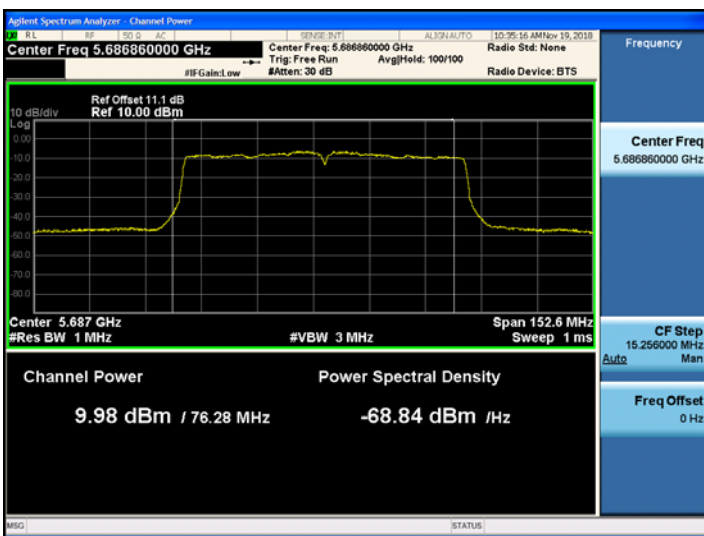
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac	5690	138	9.98	0.981	10.96	23.98

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: UNII 3 Band 5690MHz)

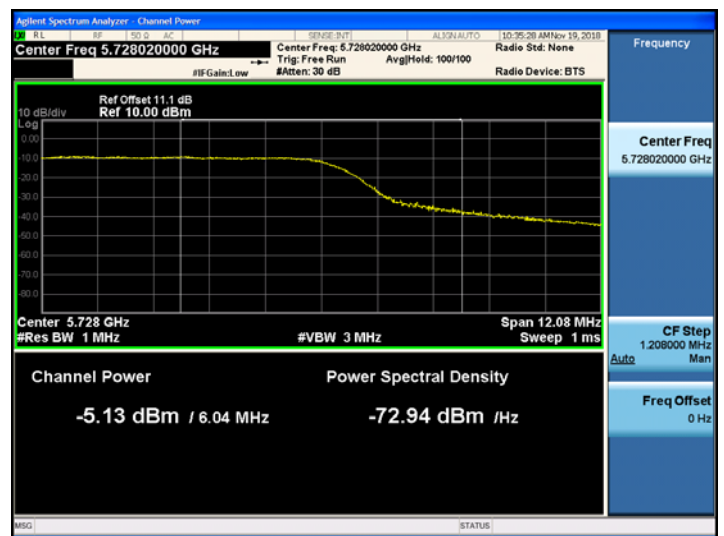
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac	5690	138	-5.13	0.981	-4.15	30.00

**Straddle channels TEST Plot for 802.11ac\_VHT80**

802.11ac\_VHT80 UNII 2C Band Average Power CH.138



802.11ac\_VHT80 UNII 3 Band Average Power CH.138



## 10.5 POWER SPECTRAL DENSITY

[Ant1]

802.11a Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	3.153	0.310	3.463	11
5200	40	3.406	0.310	3.716	11
5240	48	3.535	0.310	3.845	11
5260	52	3.218	0.310	3.528	11
5300	60	3.443	0.310	3.753	11
5320	64	3.109	0.310	3.419	11
5500	100	3.034	0.310	3.344	11
5600	120	2.333	0.310	2.643	11
5720	144	2.401	0.310	2.711	11
5745	149	0.020	0.310	0.330	30
5785	157	0.322	0.310	0.632	30
5825	165	0.193	0.310	0.503	30

[Ant2]

802.11a Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	3.511	0.313	3.824	11
5200	40	3.232	0.313	3.545	11
5240	48	3.470	0.313	3.783	11
5260	52	3.393	0.313	3.706	11
5300	60	3.443	0.313	3.756	11
5320	64	3.056	0.313	3.369	11
5500	100	3.515	0.313	3.828	11
5600	120	3.237	0.313	3.550	11
5720	144	3.553	0.313	3.866	11
5745	149	0.689	0.313	1.002	30
5785	157	0.676	0.313	0.989	30
5825	165	0.777	0.313	1.090	30

☐ Sum Data of Ant.1 and Ant.2

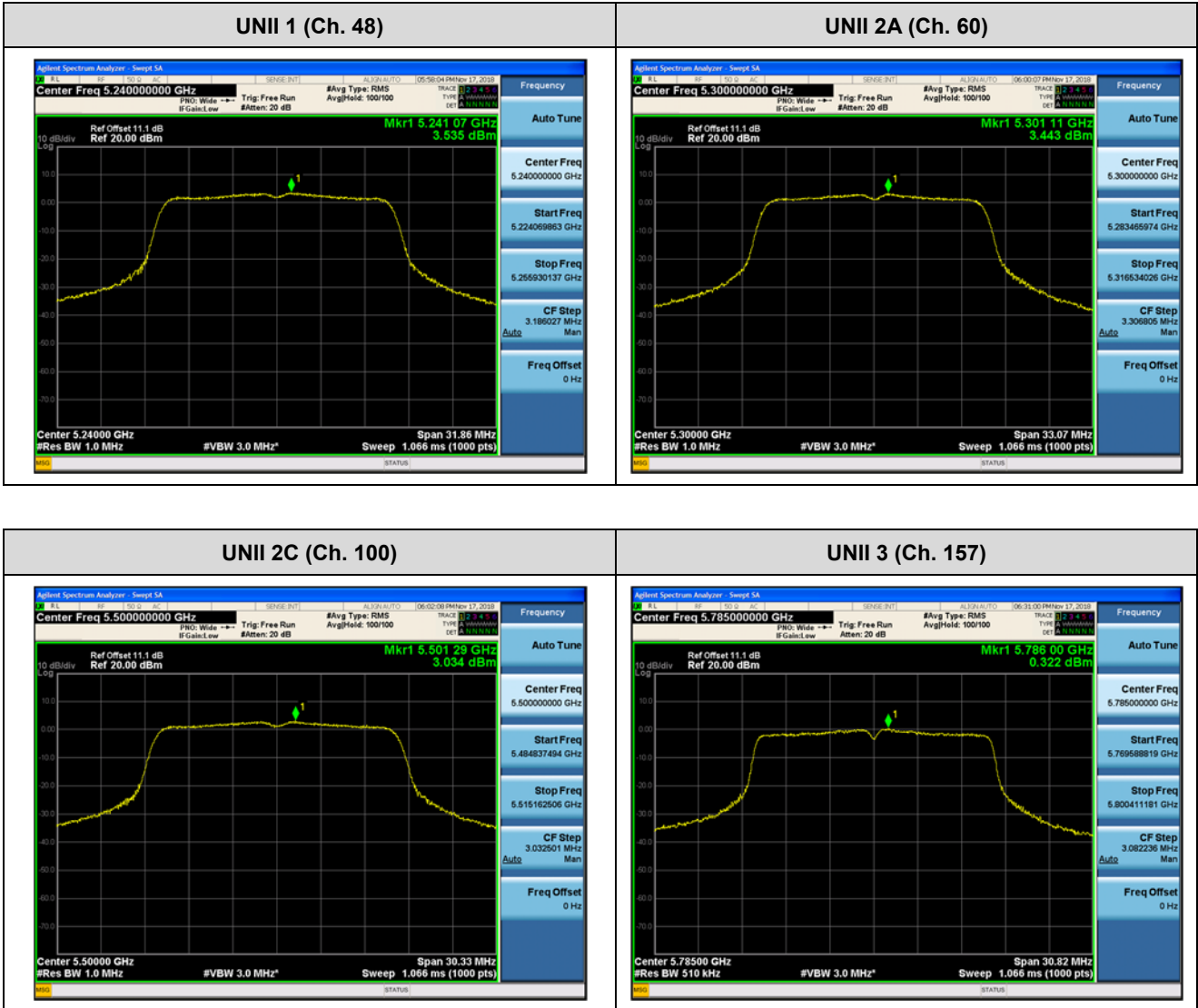
Frequency (MHz)	Channel No.	Mode	[Ant1] Total PSD(dBm)	[Ant2] Total PSD(dBm)	[MIMO] Total PSD(dBm)	Limit (dBm)
5180	36	802.11a	3.463	3.824	6.66	11
5200	40		3.716	3.545	6.64	11
5240	48		3.845	3.783	6.82	11
5260	52	802.11a	3.528	3.706	6.63	11
5300	60		3.753	3.756	6.77	11
5320	64		3.419	3.369	6.40	11
5500	100	802.11a	3.344	3.828	6.60	11
5600	120		2.643	3.550	6.13	11
5720	144		2.711	3.866	6.34	11
5745	149	802.11a	0.330	1.002	3.69	30
5785	157		0.632	0.989	3.82	30
5825	165		0.503	1.090	3.82	30

[Ant1]

■ Test Plots(802.11a)

Note:

In order to simplify the report, attached plots were only channel of highest power.

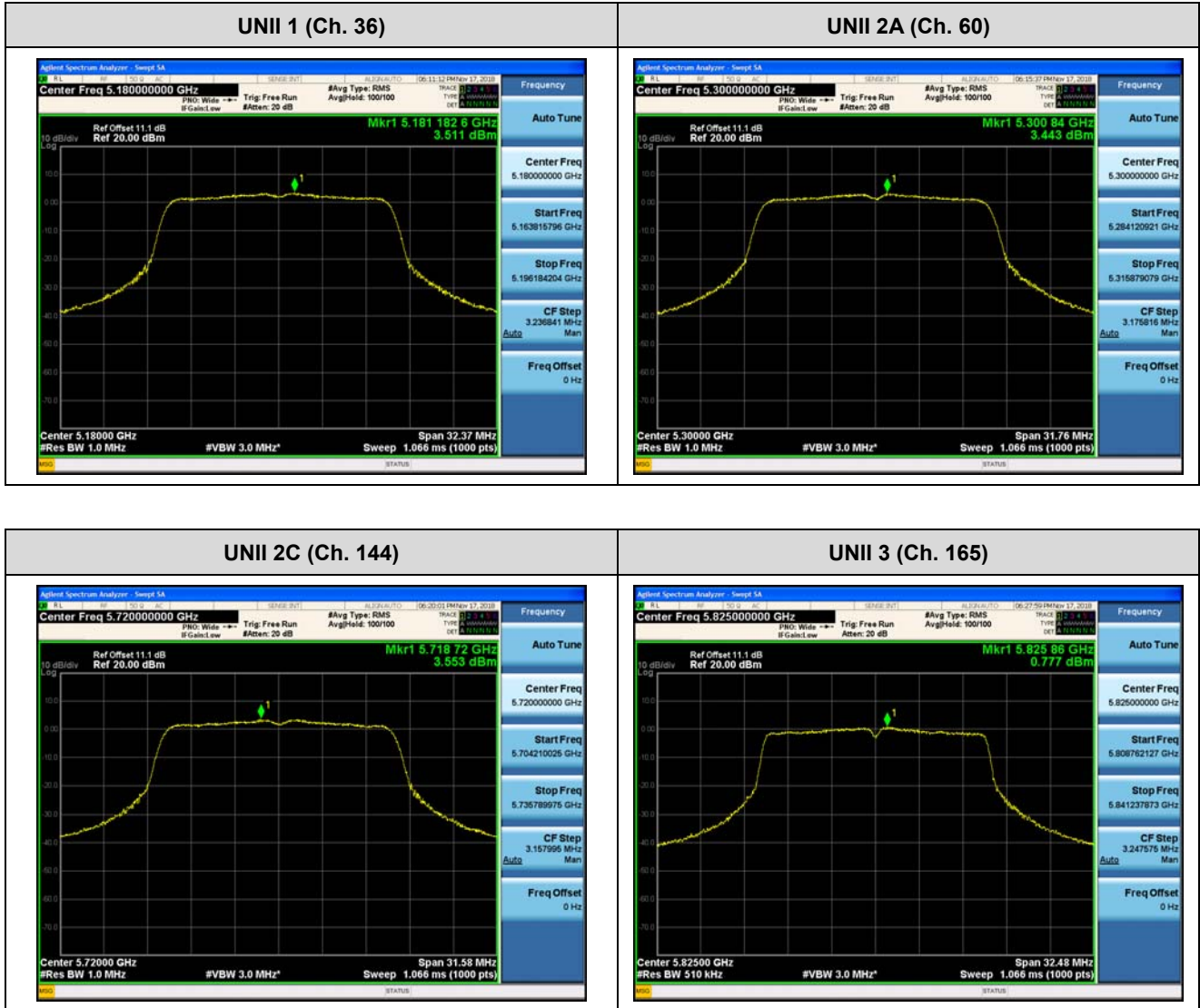


[Ant2]

■ Test Plots(802.11a)

Note:

In order to simplify the report, attached plots were only channel of highest power.



[Ant1]

802.11n(HT20) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	1.640	0.330	1.970	11
5200	40	1.714	0.330	2.044	11
5240	48	2.018	0.330	2.348	11
5260	52	1.494	0.330	1.824	11
5300	60	1.548	0.330	1.878	11
5320	64	1.485	0.330	1.815	11
5500	100	1.154	0.330	1.484	11
5600	120	0.637	0.330	0.967	11
5720	144	0.514	0.330	0.844	11
5745	149	-1.688	0.330	-1.358	30
5785	157	-1.657	0.330	-1.327	30
5825	165	-1.524	0.330	-1.194	30

[Ant2]

802.11n(HT20) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	1.920	0.328	2.248	11
5200	40	1.608	0.328	1.936	11
5240	48	2.025	0.328	2.353	11
5260	52	1.904	0.328	2.232	11
5300	60	1.799	0.328	2.127	11
5320	64	1.752	0.328	2.080	11
5500	100	1.914	0.328	2.242	11
5600	120	2.137	0.328	2.465	11
5720	144	1.776	0.328	2.104	11
5745	149	-0.906	0.328	-0.578	30
5785	157	-0.611	0.328	-0.283	30
5825	165	-0.430	0.328	-0.102	30

☐ Sum Data of Ant.1 and Ant.2

Frequency (MHz)	Channel No.	Mode	[Ant1] Total PSD(dBm)	[Ant2] Total PSD(dBm)	[MIMO] Total PSD(dBm)	Limit (dBm)
5180	36	802.11n 20MHz BW	1.970	2.248	5.12	11
5200	40		2.044	1.936	5.00	11
5240	48		2.348	2.353	5.36	11
5260	52	802.11n 20MHz BW	1.824	2.232	5.04	11
5300	60		1.878	2.127	5.01	11
5320	64		1.815	2.080	4.96	11
5500	100	802.11n 20MHz BW	1.484	2.242	4.89	11
5600	120		0.967	2.465	4.79	11
5720	144		0.844	2.104	4.53	11
5745	149	802.11n 20MHz BW	-1.358	-0.578	2.06	30
5785	157		-1.327	-0.283	2.24	30
5825	165		-1.194	-0.102	2.40	30

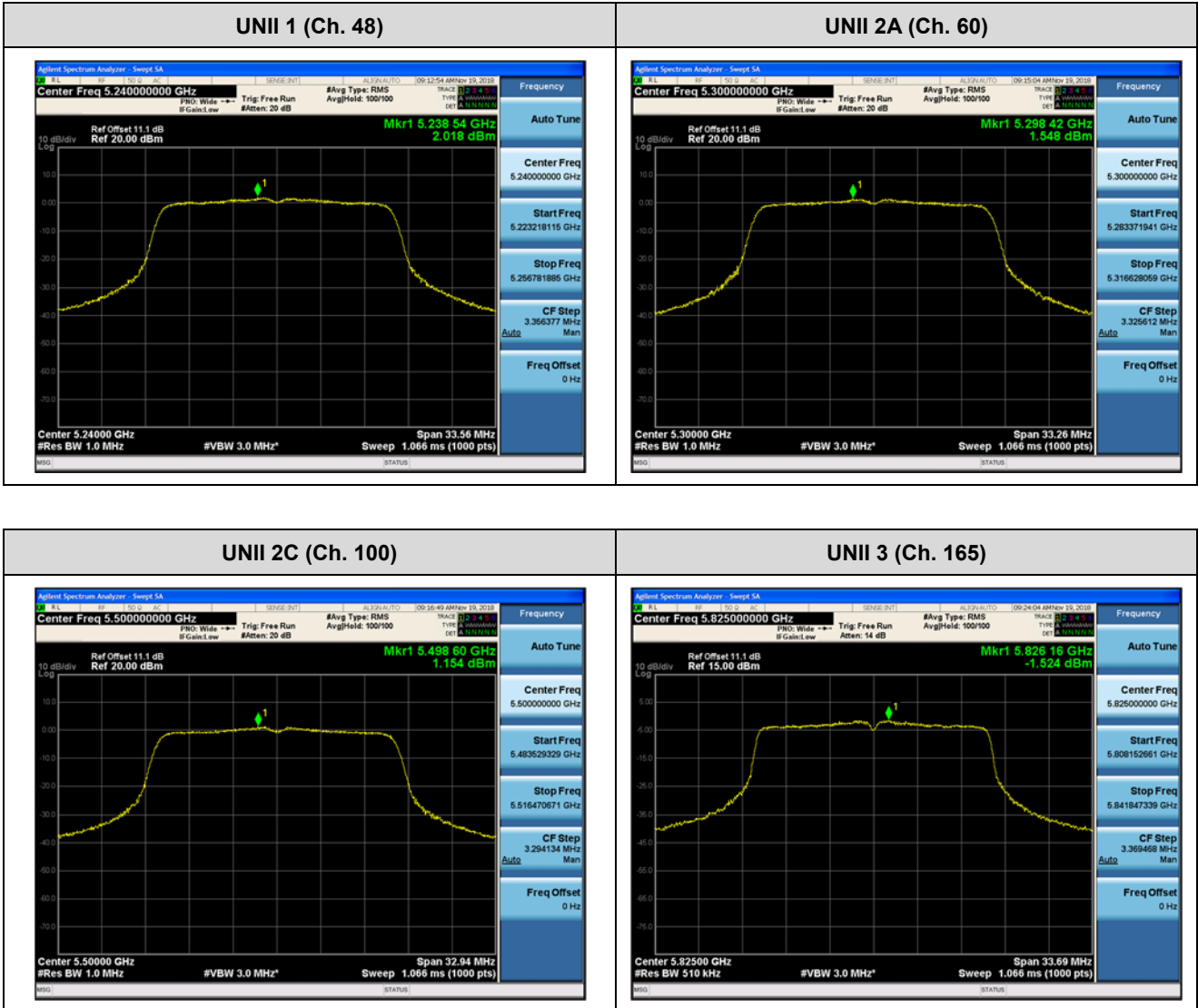


[Ant1]

■ Test Plots(802.11n(HT20))

Note:

In order to simplify the report, attached plots were only channel of highest power.

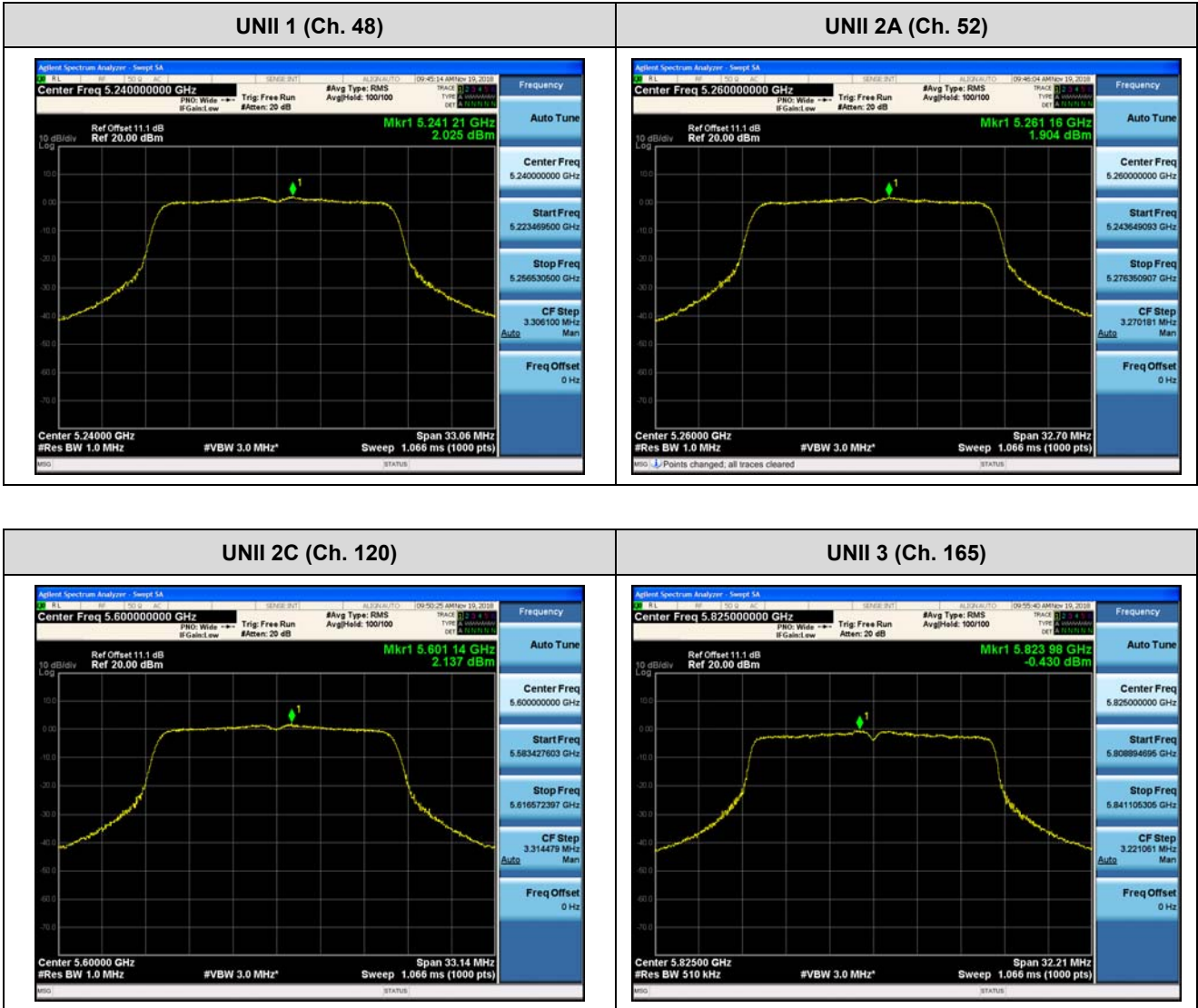


[Ant2]

■ Test Plots(802.11n(HT20))

Note:

In order to simplify the report, attached plots were only channel of highest power.



[Ant1]

802.11n(HT40) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-4.288	0.232	-4.056	11
5230	46	-1.824	0.586	-1.238	11
5270	54	-1.976	0.586	-1.390	11
5310	62	-2.144	0.586	-1.558	11
5510	102	-5.245	0.232	-5.013	11
5590	118	-2.373	0.232	-2.141	11
5710	142	-2.554	0.232	-2.322	11
5755	151	-5.110	0.586	-4.524	30
5795	159	-5.226	0.586	-4.640	30

[Ant2]

802.11n(HT40) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-4.541	0.716	-3.825	11
5230	46	-1.769	0.576	-1.193	11
5270	54	-2.432	0.413	-2.019	11
5310	62	-2.483	0.413	-2.070	11
5510	102	-5.958	0.576	-5.382	11
5590	118	-2.736	0.576	-2.160	11
5710	142	-2.188	0.224	-1.964	11
5755	151	-5.080	0.576	-4.504	30
5795	159	-5.012	0.413	-4.599	30

☐ Sum Data of Ant.1 and Ant.2

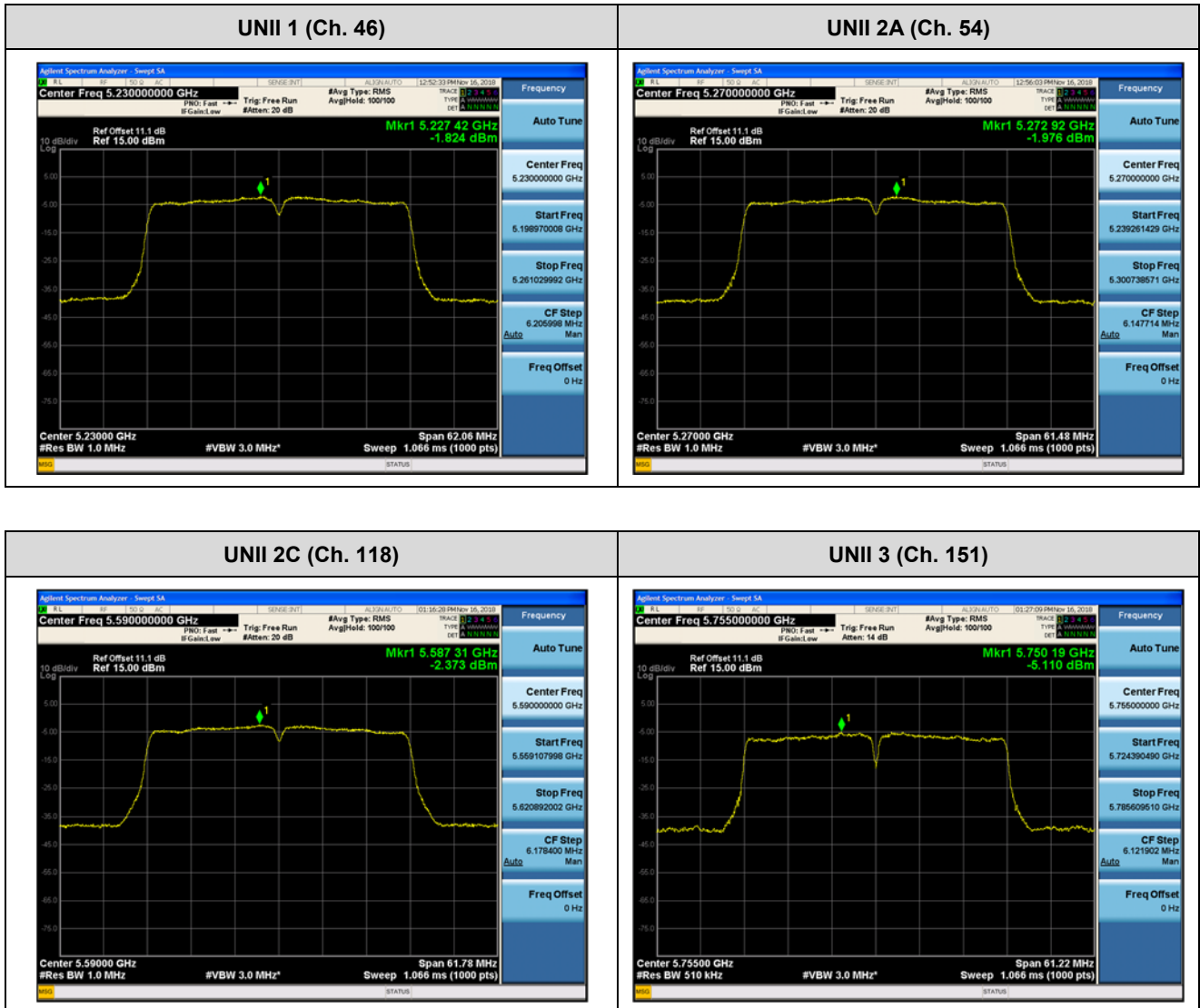
Frequency (MHz)	Channel No.	Mode	[Ant1] Total PSD(dBm)	[Ant2] Total PSD(dBm)	[MIMO] Total PSD(dBm)	Limit (dBm)
5190	38	802.11n	-4.056	-3.825	-0.93	11
5230	46	40MHz BW	-1.238	-1.193	1.79	11
5270	54	802.11n	-1.390	-2.019	1.32	11
5310	62	40MHz BW	-1.558	-2.070	1.20	11
5510	102	802.11n	-5.013	-5.382	-2.18	11
5590	118	40MHz BW	-2.141	-2.160	0.86	11
5710	142	802.11n	-2.322	-1.964	0.87	11
5755	151	802.11n	-4.524	-4.504	-1.50	30
5795	159	40MHz BW	-4.640	-4.599	-1.61	30

[Ant1]

■ Test Plots(802.11n(HT40))

Note:

In order to simplify the report, attached plots were only channel of highest power.

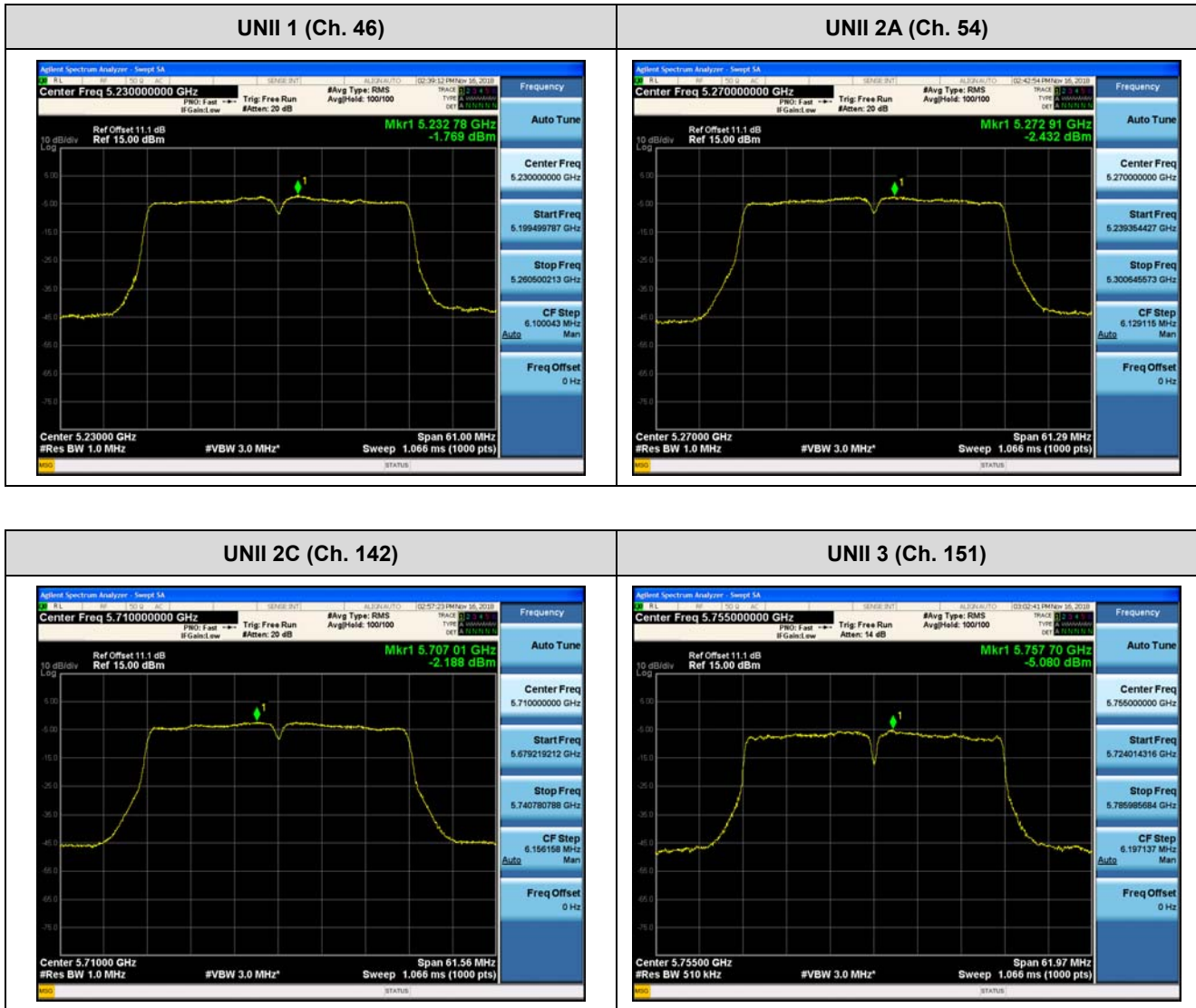


[Ant2]

■ Test Plots(802.11n(HT40))

Note:

In order to simplify the report, attached plots were only channel of highest power.



[Ant1]

802.11ac(VHT20) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	0.458	0.325	0.783	11
5200	40	0.584	0.325	0.909	11
5240	48	0.667	0.325	0.992	11
5260	52	0.544	0.325	0.869	11
5300	60	0.557	0.325	0.882	11
5320	64	0.699	0.325	1.024	11
5500	100	0.017	0.325	0.342	11
5600	120	-0.573	0.325	-0.248	11
5720	144	-0.530	0.325	-0.205	11
5745	149	-2.804	0.325	-2.479	30
5785	157	-2.898	0.325	-2.573	30
5825	165	-2.514	0.325	-2.189	30

[Ant2]

802.11ac(VHT20) Mode		Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	0.816	0.323	1.139	11
5200	40	0.744	0.323	1.067	11
5240	48	1.228	0.323	1.551	11
5260	52	0.846	0.323	1.169	11
5300	60	0.801	0.323	1.124	11
5320	64	0.816	0.323	1.139	11
5500	100	0.681	0.323	1.004	11
5600	120	0.663	0.323	0.986	11
5720	144	0.806	0.419	1.225	11
5745	149	-1.742	0.323	-1.419	30
5785	157	-1.559	0.323	-1.236	30
5825	165	-1.579	0.419	-1.160	30

☐ Sum Data of Ant.1 and Ant.2

Frequency (MHz)	Channel No.	Mode	[Ant1] Total PSD(dBm)	[Ant2] Total PSD(dBm)	[MIMO] Total PSD(dBm)	Limit (dBm)
5180	36	802.11ac 20MHz BW	0.783	1.139	3.97	11
5200	40		0.909	1.067	4.00	11
5240	48		0.992	1.551	4.29	11
5260	52	802.11ac 20MHz BW	0.869	1.169	4.03	11
5300	60		0.882	1.124	4.01	11
5320	64		1.024	1.139	4.09	11
5500	100	802.11ac 20MHz BW	0.342	1.004	3.70	11
5600	120		-0.248	0.986	3.42	11
5720	144		-0.205	1.225	3.58	11
5745	149	802.11ac 20MHz BW	-2.479	-1.419	1.09	30
5785	157		-2.573	-1.236	1.16	30
5825	165		-2.189	-1.160	1.37	30