

FPMI2458-DP4RPSMA Antenna PSD Test Result
For FCC bands UNII-2A & UNII-2C

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	10.13	97.18	10.25	≤ 11.00	Pass
11a	6	60	5300	10.24	97.18	10.36	≤ 11.00	Pass
11a	6	64	5320	10.39	97.18	10.51	≤ 11.00	Pass
11a	6	100	5500	10.58	97.18	10.70	≤ 11.00	Pass
11a	6	116	5580	10.59	97.18	10.71	≤ 11.00	Pass
11a	6	120	5600	10.58	97.18	10.70	≤ 11.00	Pass
11a	6	140	5700	10.35	97.18	10.47	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.41	98.81	10.41	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.62	98.81	10.62	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.45	98.81	10.45	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.82	98.81	10.82	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.54	98.81	10.54	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.66	98.81	10.66	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.51	98.81	10.51	≤ 11.00	Pass
11n-HT40	13.5	54	5270	8.11	97.55	8.22	≤ 11.00	Pass
11n-HT40	13.5	62	5310	9.01	97.55	9.12	≤ 11.00	Pass
11n-HT40	13.5	102	5510	9.19	97.55	9.30	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.97	97.55	9.08	≤ 11.00	Pass
11n-HT40	13.5	118	5590	9.02	97.55	9.13	≤ 11.00	Pass
11n-HT40	13.5	134	5670	9.02	97.55	9.13	≤ 11.00	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	6.5	52	5260	10.52	98.82	10.52	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.63	98.82	10.63	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.53	98.82	10.53	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.83	98.82	10.83	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.60	98.82	10.60	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.65	98.82	10.65	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.72	98.82	10.72	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.42	98.82	10.42	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	8.26	97.40	8.37	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	8.97	97.40	9.08	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	9.19	97.40	9.30	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	9.06	97.40	9.17	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	9.08	97.40	9.19	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	9.17	97.40	9.28	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	9.47	97.40	9.58	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	4.76	94.30	5.01	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	6.19	94.30	6.44	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	5.49	94.30	5.74	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	5.98	94.30	6.23	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 0 PSD (dBm/MHz) + $10 \cdot \log(1/\text{duty cycle})$.

Note 2: When EUT duty cycle > 98%, the total PSD = Ant 0 PSD (dBm/MHz).

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 1 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	10.71	97.18	10.83	≤ 11.00	Pass
11a	6	60	5300	10.36	97.18	10.48	≤ 11.00	Pass
11a	6	64	5320	10.53	97.18	10.65	≤ 11.00	Pass
11a	6	100	5500	10.54	97.18	10.66	≤ 11.00	Pass
11a	6	116	5580	10.36	97.18	10.48	≤ 11.00	Pass
11a	6	120	5600	10.69	97.18	10.81	≤ 11.00	Pass
11a	6	140	5700	10.51	97.18	10.63	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.44	98.81	10.44	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.51	98.81	10.51	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.77	98.81	10.77	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.52	98.81	10.52	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.24	98.81	10.24	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.70	98.81	10.70	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.63	98.81	10.63	≤ 11.00	Pass
11n-HT40	13.5	54	5270	8.41	97.55	8.52	≤ 11.00	Pass
11n-HT40	13.5	62	5310	8.53	97.55	8.64	≤ 11.00	Pass
11n-HT40	13.5	102	5510	8.82	97.55	8.93	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.58	97.55	8.69	≤ 11.00	Pass
11n-HT40	13.5	118	5590	9.37	97.55	9.48	≤ 11.00	Pass
11n-HT40	13.5	134	5670	8.96	97.55	9.07	≤ 11.00	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 1 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	6.5	52	5260	10.31	98.82	10.31	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.52	98.82	10.52	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.42	98.82	10.42	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.76	98.82	10.76	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.35	98.82	10.35	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.64	98.82	10.64	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.78	98.82	10.78	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.77	98.82	10.77	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	8.39	97.40	7.98	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	8.61	97.40	8.18	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	9.04	97.40	9.15	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.48	97.40	8.59	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	8.80	97.40	8.58	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	9.25	97.40	8.71	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	9.46	97.40	9.09	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	6.04	94.30	6.29	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	6.52	94.30	6.77	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	5.84	94.30	6.09	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	6.58	94.30	6.09	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 1 PSD (dBm/MHz) + $10 \cdot \log(1/\text{duty cycle})$.

Note 2: When EUT duty cycle > 98%, the total PSD = Ant 1 PSD (dBm/MHz).

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 2 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	10.47	97.18	10.59	≤ 11.00	Pass
11a	6	60	5300	10.34	97.18	10.46	≤ 11.00	Pass
11a	6	64	5320	10.55	97.18	10.67	≤ 11.00	Pass
11a	6	100	5500	10.51	97.18	10.63	≤ 10.94	Pass
11a	6	116	5580	9.75	97.18	9.87	≤ 10.94	Pass
11a	6	120	5600	10.55	97.18	10.67	≤ 10.94	Pass
11a	6	140	5700	10.26	97.18	10.38	≤ 10.94	Pass
11n-HT20	6.5	52	5260	10.59	98.81	10.59	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.82	98.81	10.82	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.76	98.81	10.76	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.31	98.81	10.31	≤ 10.94	Pass
11n-HT20	6.5	116	5580	9.64	98.81	9.64	≤ 10.94	Pass
11n-HT20	6.5	120	5600	10.25	98.81	10.25	≤ 10.94	Pass
11n-HT20	6.5	140	5700	10.33	98.81	10.33	≤ 10.94	Pass
11n-HT40	13.5	54	5270	8.97	97.55	9.08	≤ 11.00	Pass
11n-HT40	13.5	62	5310	9.32	97.55	9.43	≤ 11.00	Pass
11n-HT40	13.5	102	5510	9.55	97.55	9.66	≤ 10.94	Pass
11n-HT40	13.5	110	5550	8.56	97.55	8.67	≤ 10.94	Pass
11n-HT40	13.5	118	5590	9.54	97.55	9.65	≤ 10.94	Pass
11n-HT40	13.5	134	5670	9.46	97.55	9.57	≤ 10.94	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 2 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	6.5	52	5260	10.58	98.82	10.58	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.75	98.82	10.75	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.80	98.82	10.80	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.33	98.82	10.33	≤ 10.94	Pass
11ac-VHT20	6.5	116	5580	9.75	98.82	9.75	≤ 10.94	Pass
11ac-VHT20	6.5	120	5600	10.22	98.82	10.22	≤ 10.94	Pass
11ac-VHT20	6.5	140	5700	10.64	98.82	10.64	≤ 10.94	Pass
11ac-VHT20	6.5	144	5720	10.36	98.82	10.36	≤ 10.94	Pass
11ac-VHT40	13.5	54	5270	8.48	97.40	8.59	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	9.36	97.40	9.47	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	9.36	97.40	9.47	≤ 10.94	Pass
11ac-VHT40	13.5	110	5550	8.77	97.40	8.88	≤ 10.94	Pass
11ac-VHT40	13.5	118	5590	9.38	97.40	9.49	≤ 10.94	Pass
11ac-VHT40	13.5	134	5670	9.25	97.40	9.36	≤ 10.94	Pass
11ac-VHT40	13.5	142	5710	9.74	97.40	9.85	≤ 10.94	Pass
11ac-VHT80	29.3	58	5290	6.12	94.30	6.37	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	6.37	94.30	6.62	≤ 10.94	Pass
11ac-VHT80	29.3	122	5610	6.11	94.30	6.36	≤ 10.94	Pass
11ac-VHT80	29.3	138	5690	6.28	94.30	6.53	≤ 10.94	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 2 PSD (dBm/MHz) + $10 \cdot \log(1/\text{duty cycle})$.

Note 2: When EUT duty cycle > 98%, the total PSD = Ant 2 PSD (dBm/MHz).

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 3 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	10.29	97.18	10.41	≤ 11.00	Pass
11a	6	60	5300	10.55	97.18	10.67	≤ 11.00	Pass
11a	6	64	5320	10.31	97.18	10.43	≤ 11.00	Pass
11a	6	100	5500	10.61	97.18	10.73	≤ 11.00	Pass
11a	6	116	5580	10.61	97.18	10.73	≤ 11.00	Pass
11a	6	120	5600	10.63	97.18	10.75	≤ 11.00	Pass
11a	6	140	5700	10.45	97.18	10.57	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.61	98.81	10.61	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.53	98.81	10.53	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.43	98.81	10.43	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.42	98.81	10.42	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.40	98.81	10.40	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.69	98.81	10.69	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.80	98.81	10.80	≤ 11.00	Pass
11n-HT40	13.5	54	5270	9.48	97.55	9.59	≤ 11.00	Pass
11n-HT40	13.5	62	5310	9.25	97.55	9.36	≤ 11.00	Pass
11n-HT40	13.5	102	5510	9.24	97.55	9.35	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.82	97.55	8.93	≤ 11.00	Pass
11n-HT40	13.5	118	5590	9.15	97.55	9.26	≤ 11.00	Pass
11n-HT40	13.5	134	5670	9.17	97.55	9.28	≤ 11.00	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 3 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	6.5	52	5260	10.63	98.82	10.63	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.58	98.82	10.58	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.33	98.82	10.33	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.48	98.82	10.48	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.06	98.82	10.06	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.29	98.82	10.29	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.40	98.82	10.40	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.42	98.82	10.42	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	8.42	97.40	8.53	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	9.14	97.40	9.25	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	9.14	97.40	9.25	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.76	97.40	8.87	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	9.10	97.40	9.21	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	9.10	97.40	9.21	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	9.31	97.40	9.42	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	5.10	94.30	5.35	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	6.26	94.30	6.51	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	6.02	94.30	6.27	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	5.66	94.30	5.91	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 3 PSD (dBm/MHz) + $10 \cdot \log(1/\text{duty cycle})$.

Note 2: When EUT duty cycle > 98%, the total PSD = Ant 3 PSD (dBm/MHz).

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6	52	5260	-0.93	-0.89	-0.75	-0.73	97.18	5.32	≤ 5.53	Pass
11a	6	60	5300	-0.57	-1.56	-0.66	-1.04	97.18	5.20	≤ 5.53	Pass
11a	6	64	5320	-0.30	-2.04	-0.68	-1.15	97.18	5.15	≤ 5.53	Pass
11a	6	100	5500	-0.96	-1.31	-1.56	-1.56	97.18	4.80	≤ 5.38	Pass
11a	6	116	5580	-1.21	-1.37	-1.54	-0.81	97.18	4.92	≤ 5.38	Pass
11a	6	120	5600	-0.79	-1.09	-1.42	-0.83	97.18	5.12	≤ 5.38	Pass
11a	6	140	5700	-0.52	-1.03	-0.85	-0.91	97.18	5.32	≤ 5.38	Pass
11n-HT20	26	52	5260	-0.86	-0.76	-0.64	-0.64	98.81	5.30	≤ 5.53	Pass
11n-HT20	26	60	5300	-0.53	-0.54	-0.36	-0.56	98.81	5.45	≤ 5.53	Pass
11n-HT20	26	64	5320	-0.16	-1.05	-0.58	-0.88	98.81	5.37	≤ 5.53	Pass
11n-HT20	26	100	5500	-1.31	-0.78	-0.67	-0.44	98.81	5.23	≤ 5.38	Pass
11n-HT20	26	116	5580	-0.96	-1.30	-1.91	-0.55	98.81	4.87	≤ 5.38	Pass
11n-HT20	26	120	5600	-1.32	-0.84	-0.68	-0.81	98.81	5.12	≤ 5.38	Pass
11n-HT20	26	140	5700	-1.14	-0.85	-0.70	-0.81	98.81	5.15	≤ 5.38	Pass
11n-HT40	54	54	5270	-3.59	-3.44	-3.83	-3.59	97.55	2.41	≤ 5.53	Pass
11n-HT40	54	62	5310	-3.42	-3.10	-3.42	-3.55	97.55	2.65	≤ 5.53	Pass
11n-HT40	54	102	5510	-3.20	-2.65	-2.77	-2.59	97.55	3.23	≤ 5.38	Pass
11n-HT40	54	110	5550	-2.49	-3.20	-3.48	-2.65	97.55	3.19	≤ 5.38	Pass
11n-HT40	54	118	5590	-3.29	-2.98	-2.89	-3.09	97.55	2.96	≤ 5.38	Pass
11n-HT40	54	134	5670	-2.35	-1.78	-2.01	-2.06	97.55	3.98	≤ 5.38	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	26	52	5260	-0.62	-0.58	-0.66	-0.59	98.82	5.41	≤ 5.53	Pass
11ac-VHT20	26	60	5300	-0.08	-1.45	-0.76	-0.81	98.82	5.27	≤ 5.53	Pass
11ac-VHT20	26	64	5320	-0.78	-0.70	-0.85	-0.65	98.82	5.28	≤ 5.53	Pass
11ac-VHT20	26	100	5500	-0.79	-1.04	-1.32	-1.17	98.82	4.95	≤ 5.38	Pass
11ac-VHT20	26	116	5580	-0.19	-1.17	-1.53	-0.28	98.82	5.27	≤ 5.38	Pass
11ac-VHT20	26	120	5600	-0.33	-1.06	-0.70	-0.98	98.82	5.26	≤ 5.38	Pass
11ac-VHT20	26	140	5700	-0.54	-0.62	-0.73	-0.90	98.82	5.33	≤ 5.38	Pass
11ac-VHT20	26	144	5720	-0.26	-1.10	-0.88	-0.82	98.82	5.27	≤ 5.38	Pass
11ac-VHT40	54	54	5270	-3.39	-3.42	-3.41	-3.70	97.40	2.66	≤ 5.53	Pass
11ac-VHT40	54	62	5310	-3.27	-3.27	-3.37	-3.61	97.40	2.76	≤ 5.53	Pass
11ac-VHT40	54	102	5510	-3.19	-2.70	-2.49	-2.31	97.40	3.48	≤ 5.38	Pass
11ac-VHT40	54	110	5550	-2.45	-3.23	-3.46	-2.77	97.40	3.18	≤ 5.38	Pass
11ac-VHT40	54	118	5590	-3.64	-2.83	-2.71	-2.98	97.40	3.11	≤ 5.38	Pass
11ac-VHT40	54	134	5670	-2.22	-1.95	-1.80	-2.55	97.40	4.01	≤ 5.38	Pass
11ac-VHT40	54	142	5710	-2.16	-1.85	-1.87	-2.12	97.40	4.14	≤ 5.38	Pass
11ac-VHT80	117.2	58	5290	-6.81	-6.73	-7.16	-6.89	94.30	-0.62	≤ 5.53	Pass
11ac-VHT80	117.2	106	5530	-6.39	-6.17	-6.09	-5.77	94.30	0.18	≤ 5.38	Pass
11ac-VHT80	117.2	122	5610	-6.03	-5.98	-5.68	-5.50	94.30	0.49	≤ 5.38	Pass
11ac-VHT80	117.2	138	5690	-5.73	-5.39	-5.59	-5.64	94.30	0.69	≤ 5.38	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = $10^{\log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}} + 10^{\log(1/\text{duty cycle})}$.

Note 2: When EUT duty cycle > 98%, the total PSD = $10^{\log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}}$.

For FCC 802.11ac-VHT80 + 80 Mode Test Data

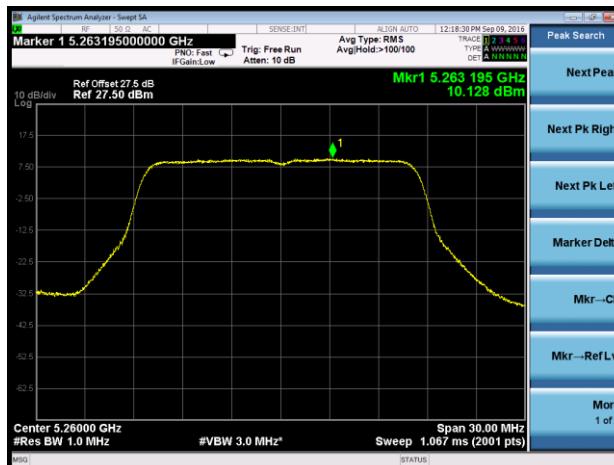
Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT 80+80	58.6	42	5210	0.33	0.24	--	--	94.30	--	3.55	≤ 14.31	Pass
	58.6	58	5290	--	--	-1.29	-0.75	94.30	--	2.25	≤ 8.70	Pass
11ac-VHT 80+80	58.6	42	5210	2.04	2.09	--	--	94.30	--	5.33	≤ 14.31	Pass
	58.6	106	5530	--	--	1.44	1.43	94.30	--	4.70	≤ 8.13	Pass
11ac-VHT 80+80	58.6	42	5210	2.50	2.33	--	--	94.30	--	5.68	≤ 14.31	Pass
	58.6	122	5610	--	--	2.34	1.81	94.30	--	5.35	≤ 8.13	Pass
11ac-VHT 80+80	58.6	42	5210	2.08	2.17	--	--	94.30	--	5.39	≤ 14.31	Pass
	58.6	138	5690	--	--	2.18	1.35	94.30	--	5.05	≤ 8.13	Pass
11ac-VHT 80+80	58.6	58	5290	-0.15	-0.71	--	--	94.30	--	2.84	≤ 8.38	Pass
	58.6	106	5530	--	--	-1.20	-0.95	94.30	--	2.19	≤ 8.13	Pass
11ac-VHT 80+80	58.6	58	5290	0.05	-0.64	--	--	94.30	--	2.98	≤ 8.38	Pass
	58.6	122	5610	--	--	-0.88	-0.97	94.30	--	2.34	≤ 8.13	Pass
11ac-VHT 80+80	58.6	58	5290	-0.02	-0.78	--	--	94.30	--	2.88	≤ 8.38	Pass
	58.6	138	5690	--	--	-0.68	-1.14	94.30	--	2.36	≤ 8.13	Pass
11ac-VHT 80+80	58.6	58	5290	0.19	-0.67	--	--	94.30	--	3.05	≤ 8.38	Pass
	58.6	155	5775	--	--	-10.17	-10.48	94.30	6.99	-0.07	≤ 26.80	Pass
11ac-VHT 80+80	58.6	106	5530	1.47	1.28	--	--	94.30	--	4.64	≤ 8.65	Pass
	58.6	122	5610	--	--	0.48	0.94	94.30	--	3.98	≤ 8.13	Pass
11ac-VHT 80+80	58.6	106	5530	1.91	1.61	--	--	94.30	--	5.03	≤ 8.65	Pass
	58.6	138	5690	--	--	1.30	0.64	94.30	--	4.25	≤ 8.13	Pass
11ac-VHT 80+80	58.6	106	5530	1.43	1.29	--	--	94.30	--	4.63	≤ 8.65	Pass
	58.6	155	5775	--	--	-8.03	-8.92	94.30	6.99	1.80	≤ 26.80	Pass
11ac-VHT 80+80	58.6	122	5610	1.88	1.53	--	--	94.30	--	4.97	≤ 8.65	Pass
	58.6	138	5690	--	--	2.15	1.63	94.30	--	5.16	≤ 8.13	Pass
11ac-VHT 80+80	58.6	122	5610	1.87	1.58	--	--	94.30	--	4.99	≤ 8.65	Pass
	58.6	155	5775	--	--	-7.49	-8.38	94.30	6.99	2.34	≤ 26.80	Pass
11ac-VHT 80+80	58.6	138	5690	2.18	1.66	--	--	94.30	--	5.19	≤ 8.65	Pass
	58.6	155	5775	--	--	-7.40	-8.35	94.30	6.99	2.41	≤ 26.80	Pass

Note 1: Total PSD (dBm/MHz) = $10 * \log\{10^{(Ant 0 PSD/10)} + 10^{(Ant 1 PSD/10)}\} + 10 * \log(1/\text{duty cycle}) + \text{Constant Factor}$.

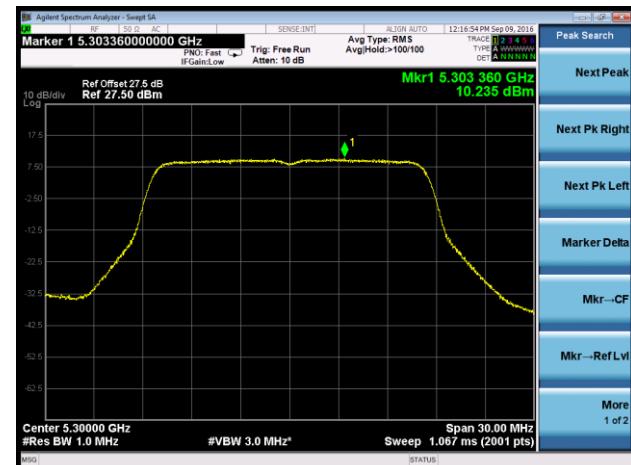
Note 2: Total PSD (dBm/MHz) = $10 * \log\{10^{(Ant 2 PSD/10)} + 10^{(Ant 3 PSD/10)}\} + 10 * \log(1/\text{duty cycle}) + \text{Constant Factor}$.

802.11a Power Spectral Density - Ant 0

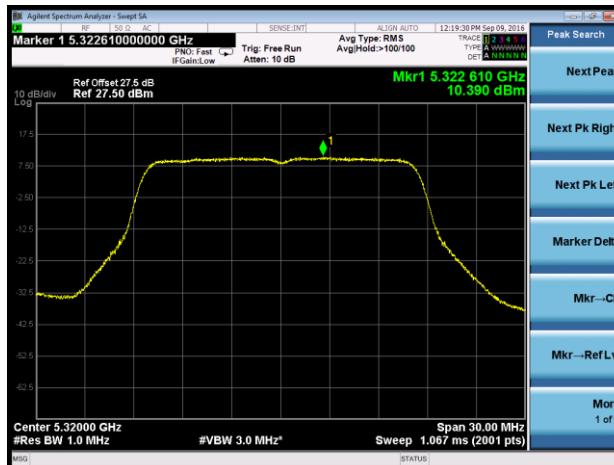
Channel 52 (5260MHz)



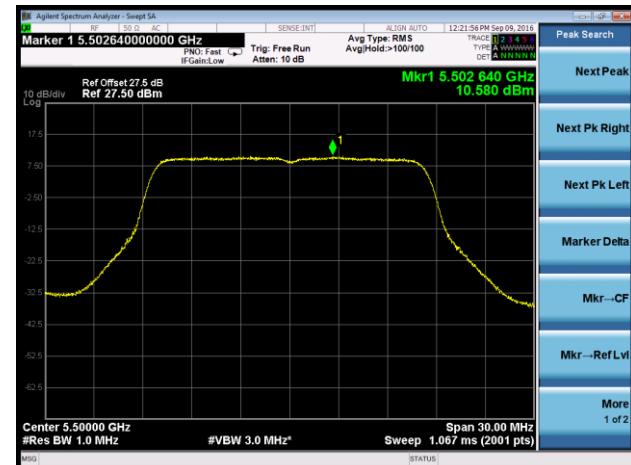
Channel 60 (5300MHz)



Channel 64 (5320MHz)



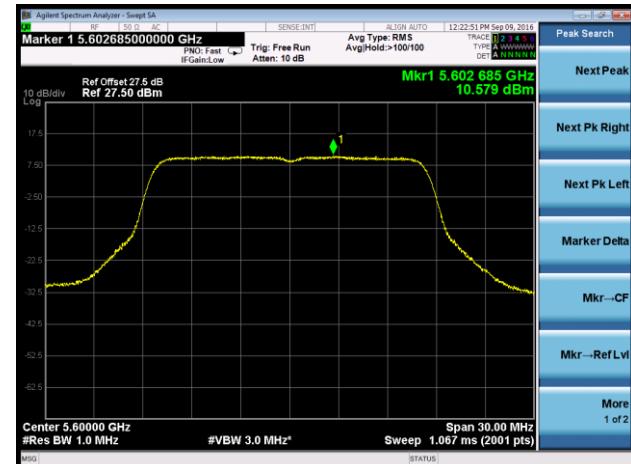
Channel 100 (5500MHz)



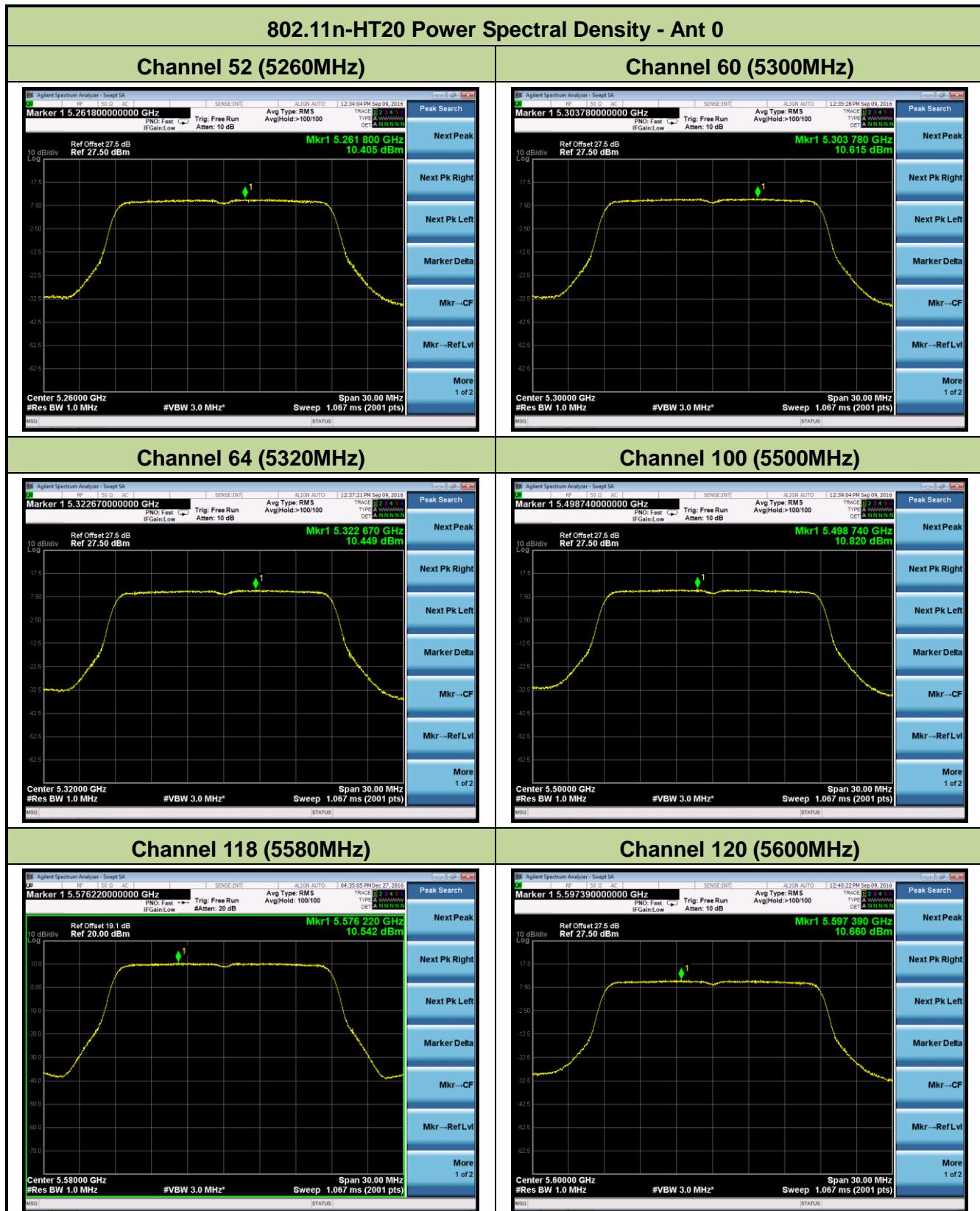
Channel 118 (5580MHz)

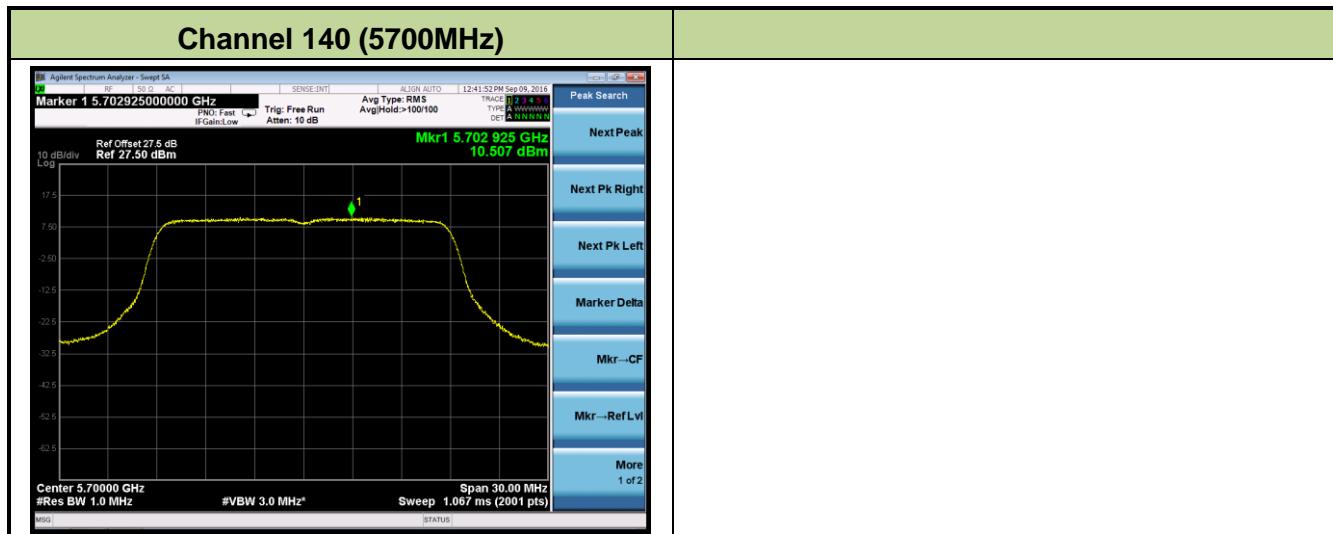


Channel 120 (5600MHz)



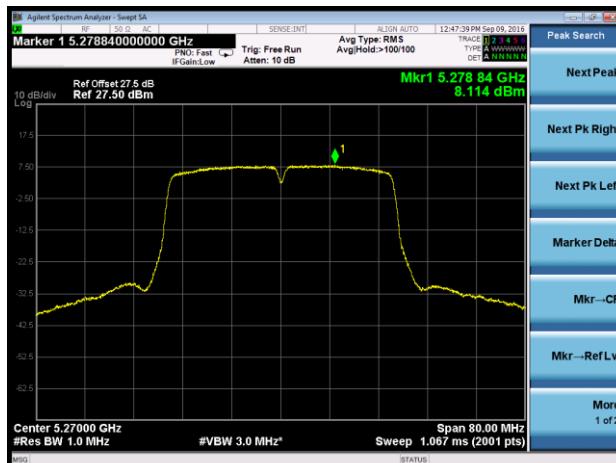




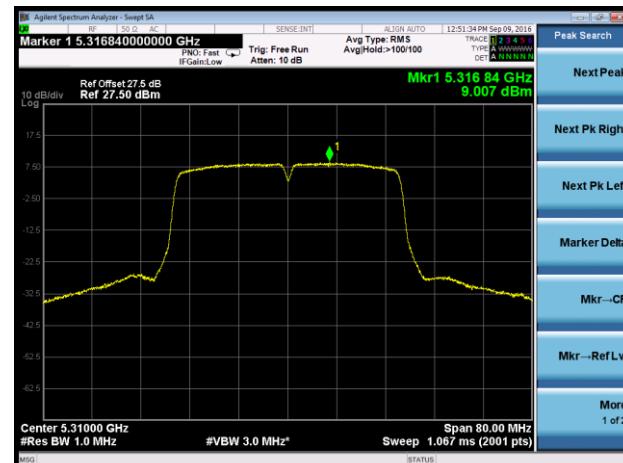


802.11n-HT40 Power Spectral Density - Ant 0

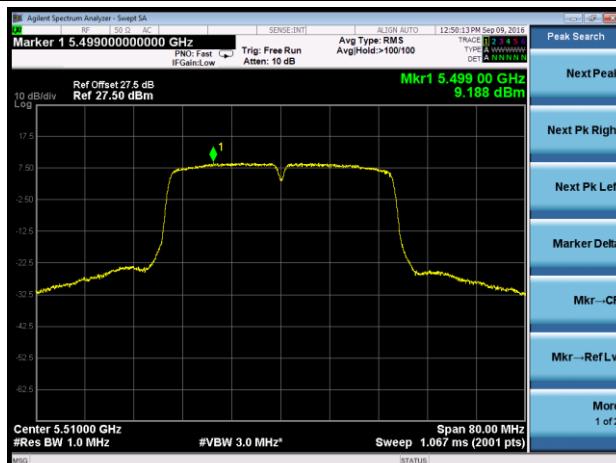
Channel 54 (5270MHz)



Channel 62 (5310MHz)



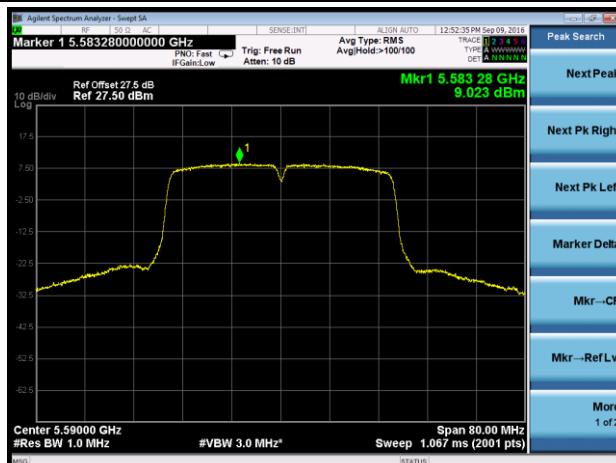
Channel 102 (5510MHz)



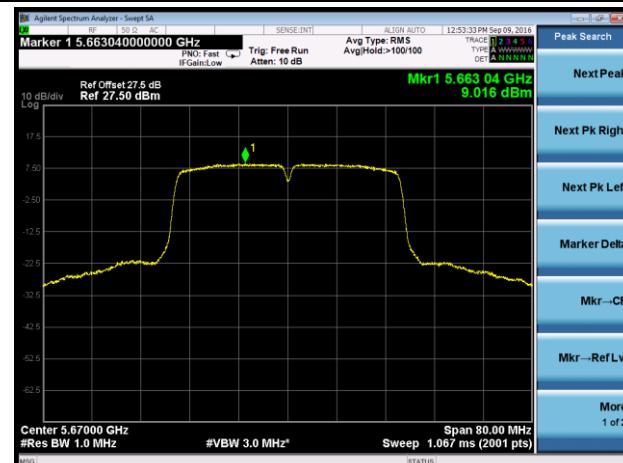
Channel 110 (5550MHz)

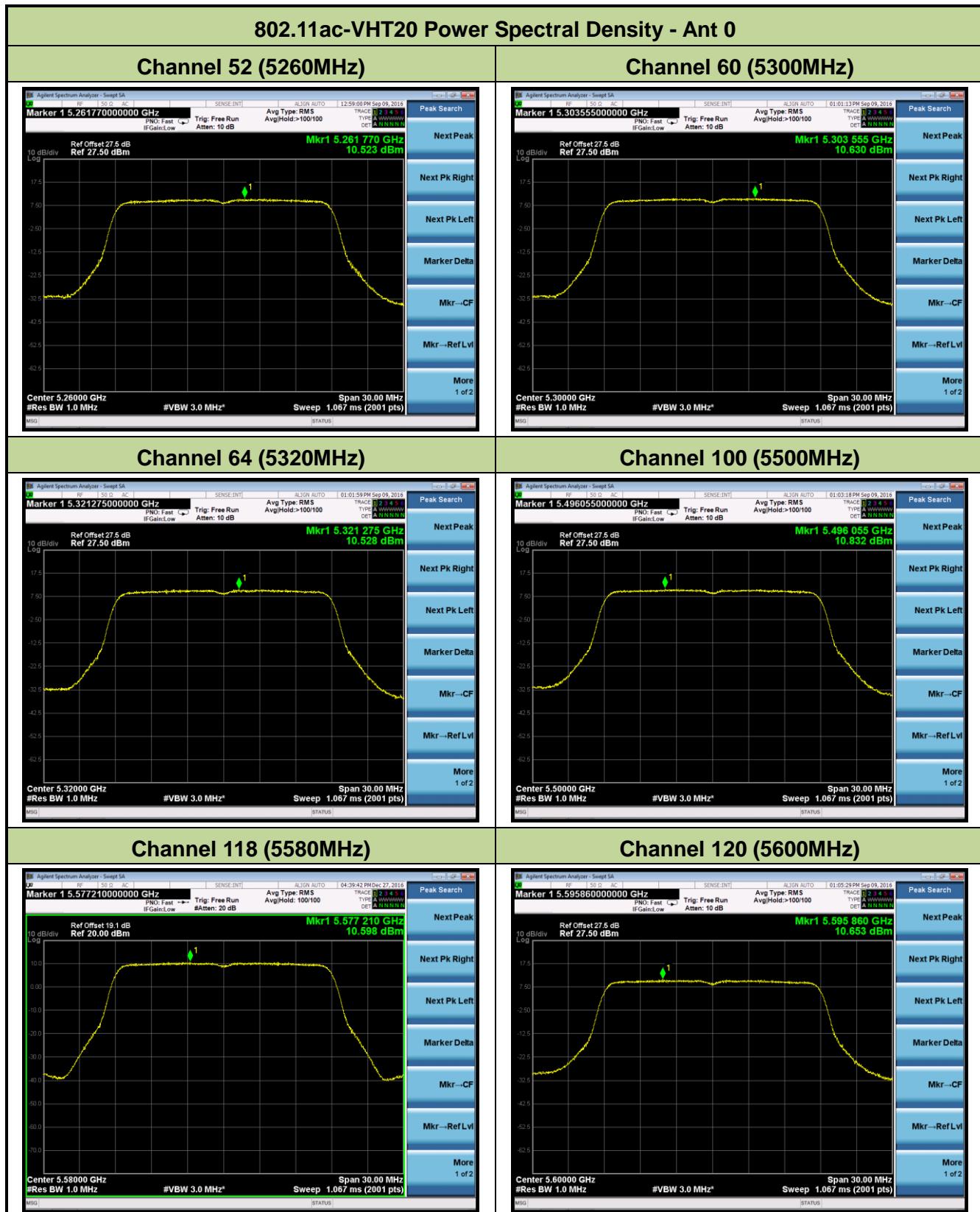


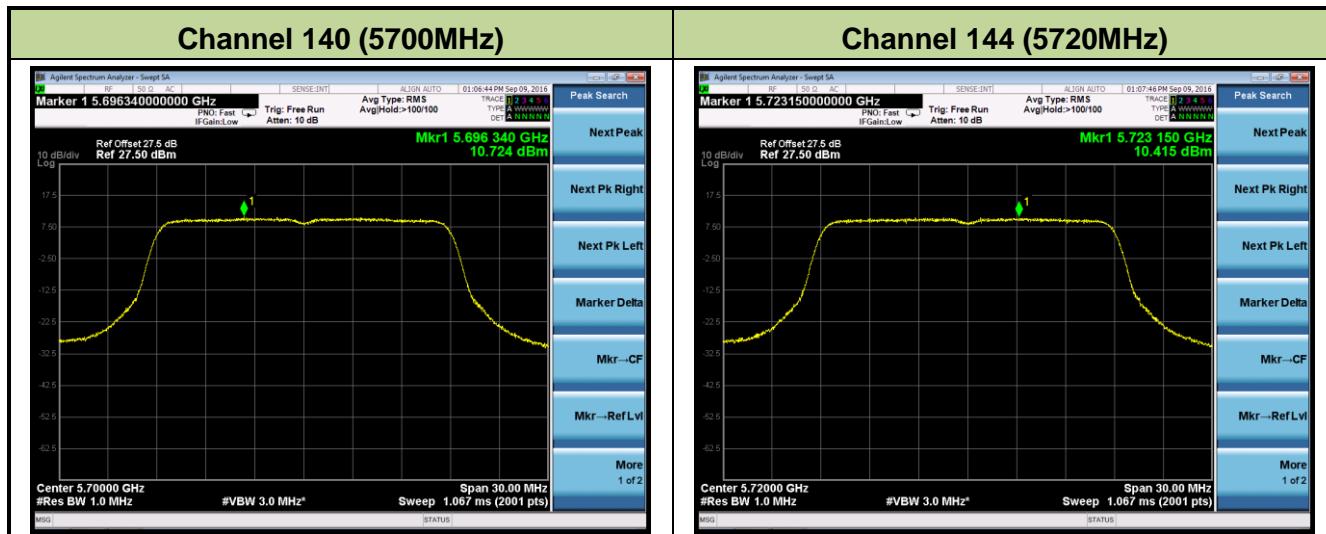
Channel 118 (5590MHz)

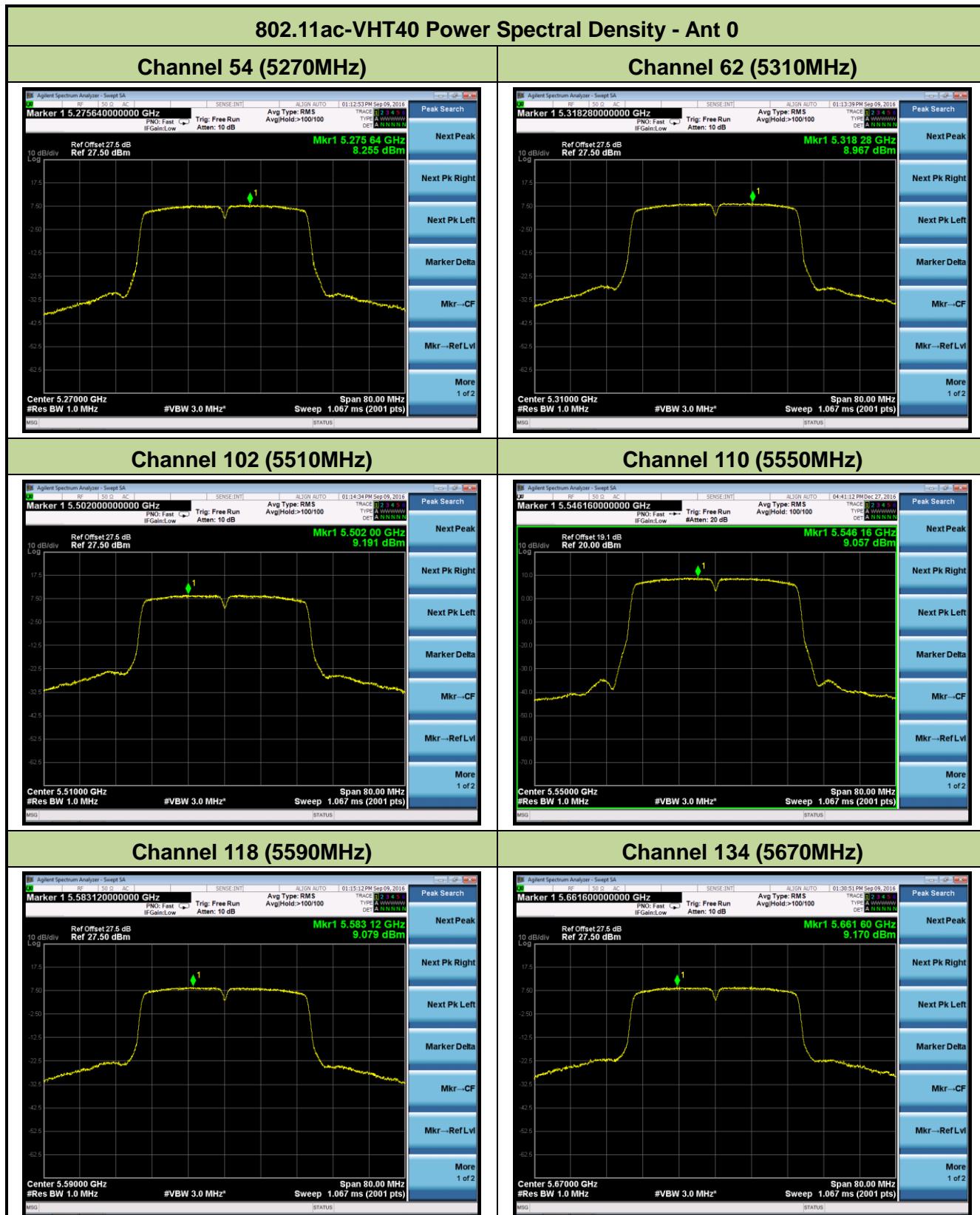


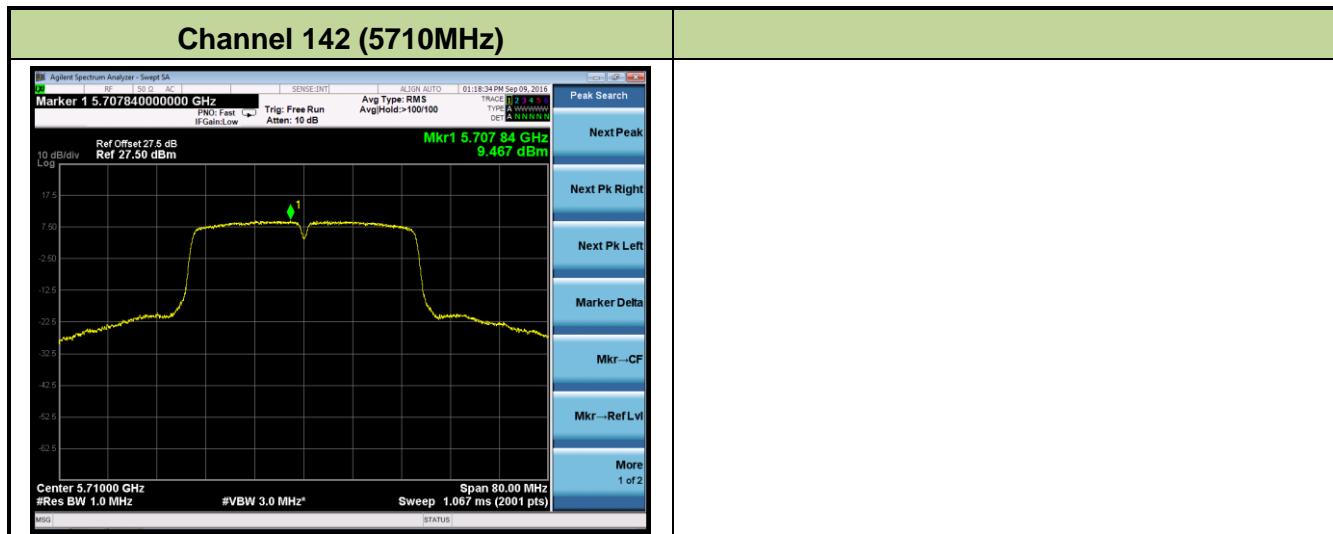
Channel 134 (5670MHz)

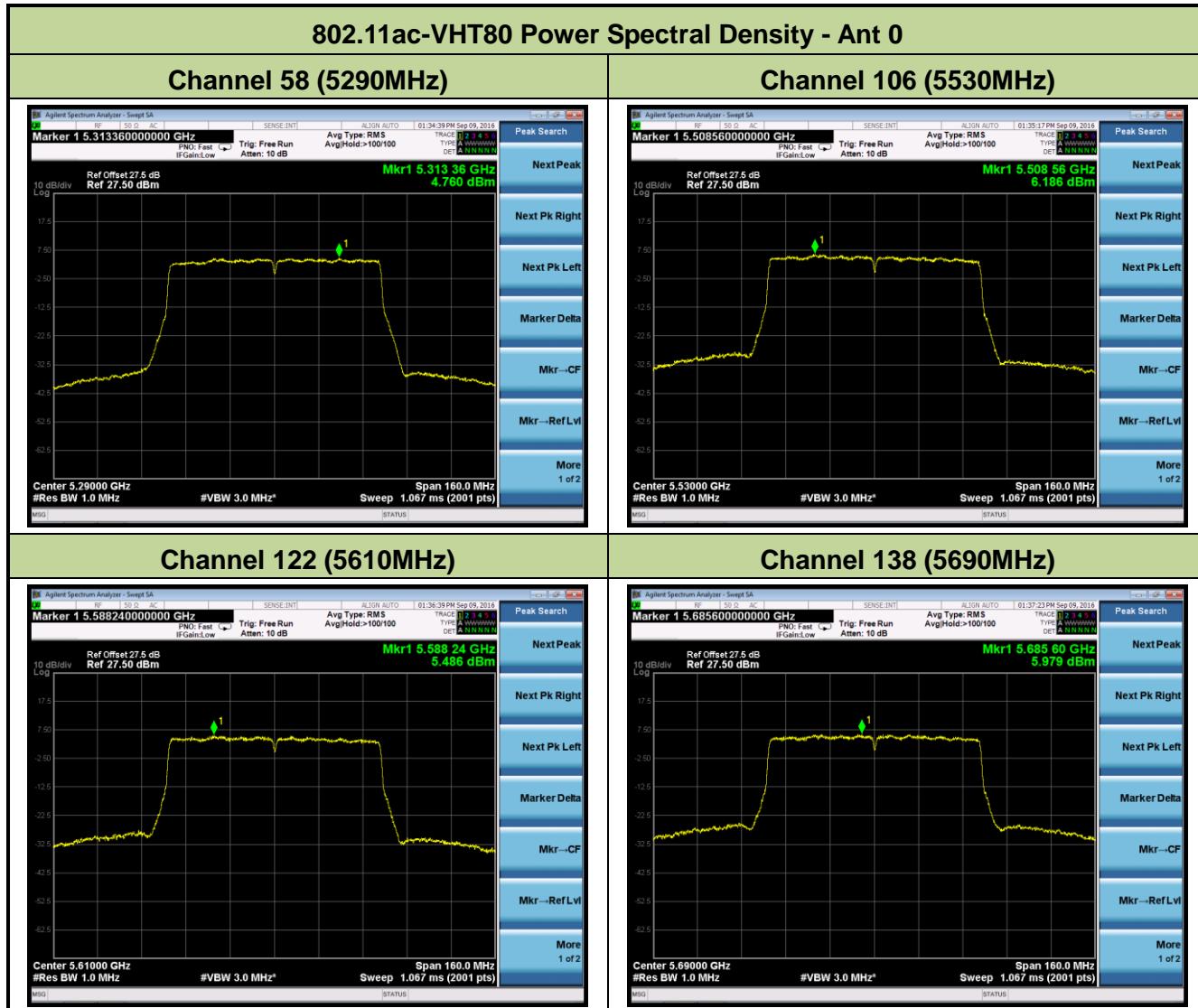






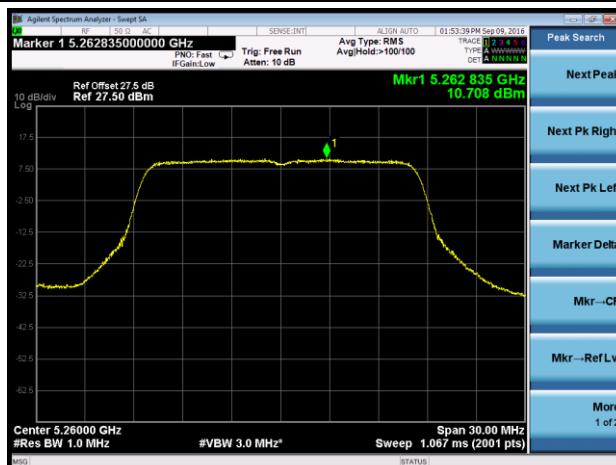




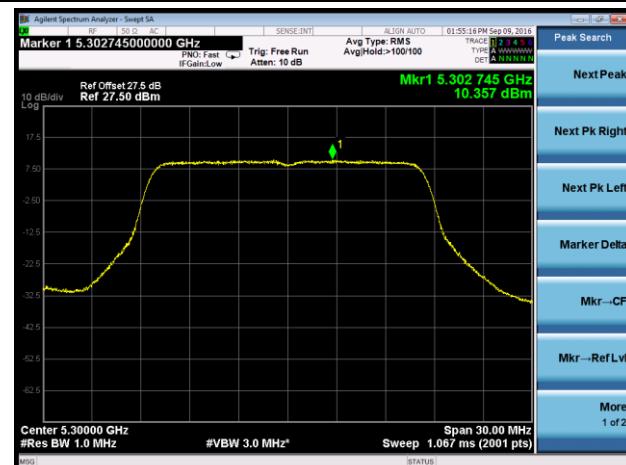


802.11a Power Spectral Density - Ant 1

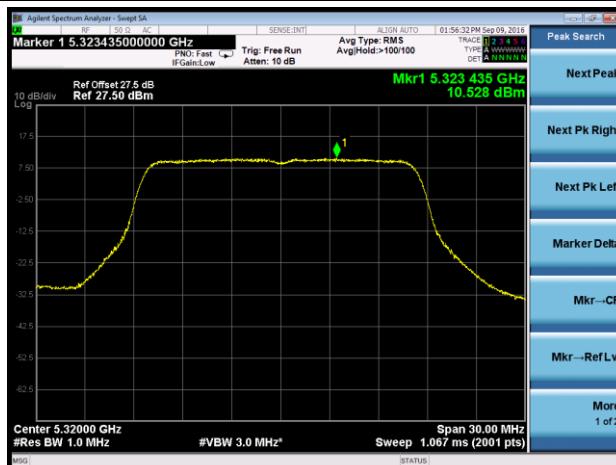
Channel 52 (5260MHz)



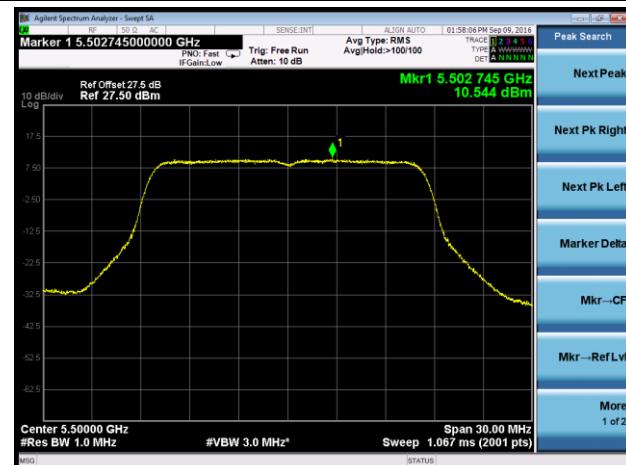
Channel 60 (5300MHz)



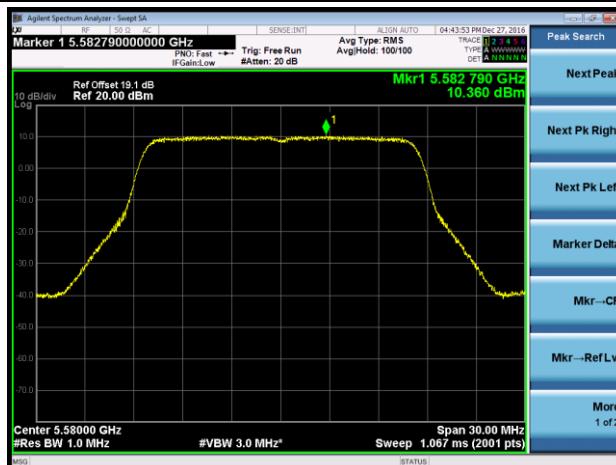
Channel 64 (5320MHz)



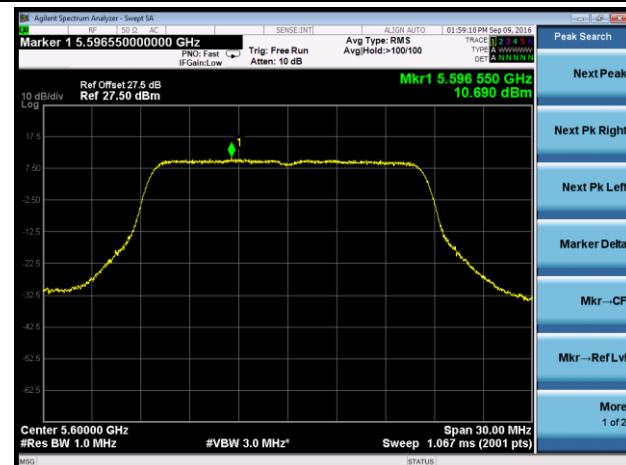
Channel 100 (5500MHz)

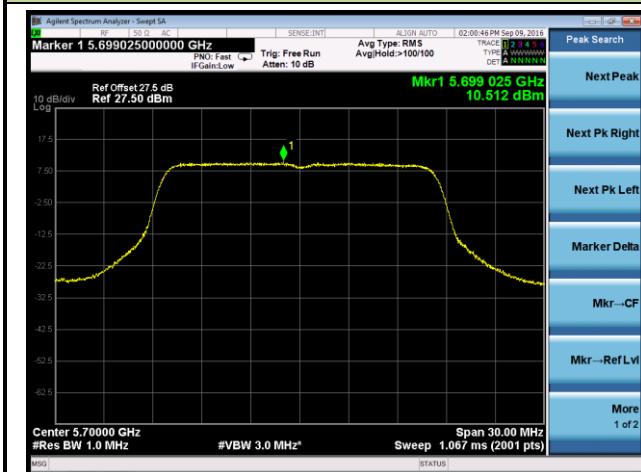


Channel 118 (5580MHz)



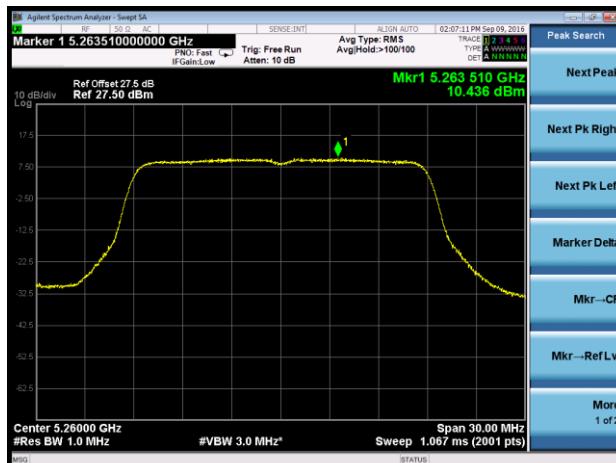
Channel 120 (5600MHz)



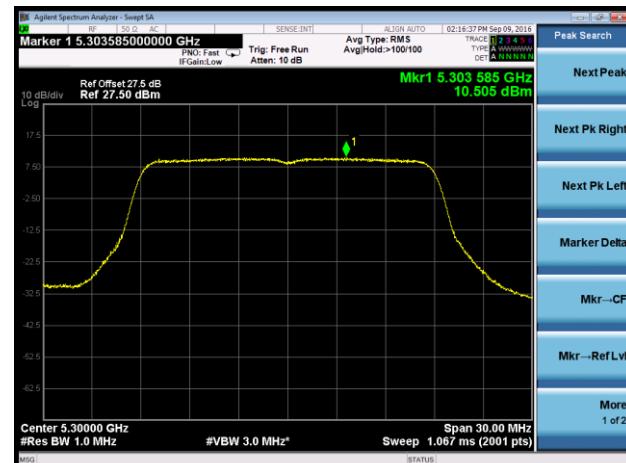
Channel 140 (5700MHz)


802.11n-HT20 Power Spectral Density - Ant 1

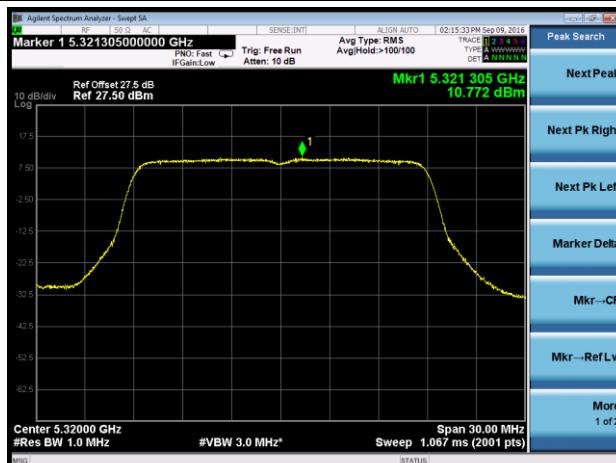
Channel 52 (5260MHz)



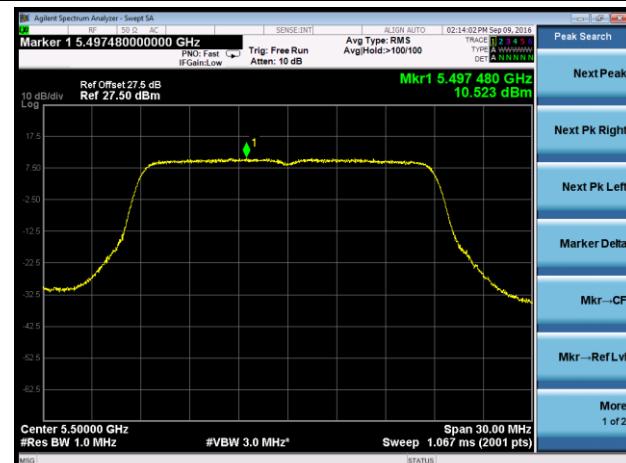
Channel 60 (5300MHz)



Channel 64 (5320MHz)



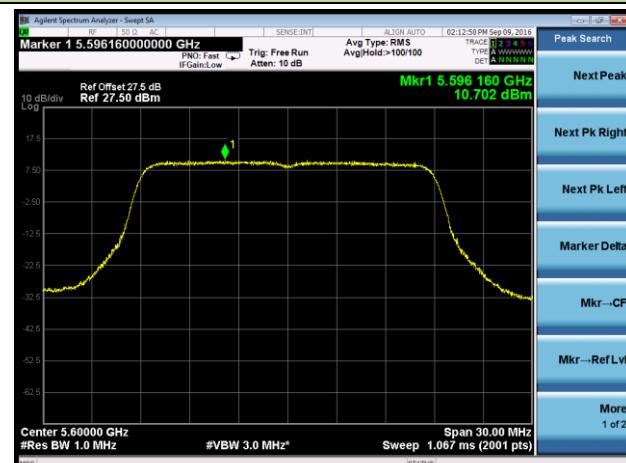
Channel 100 (5500MHz)

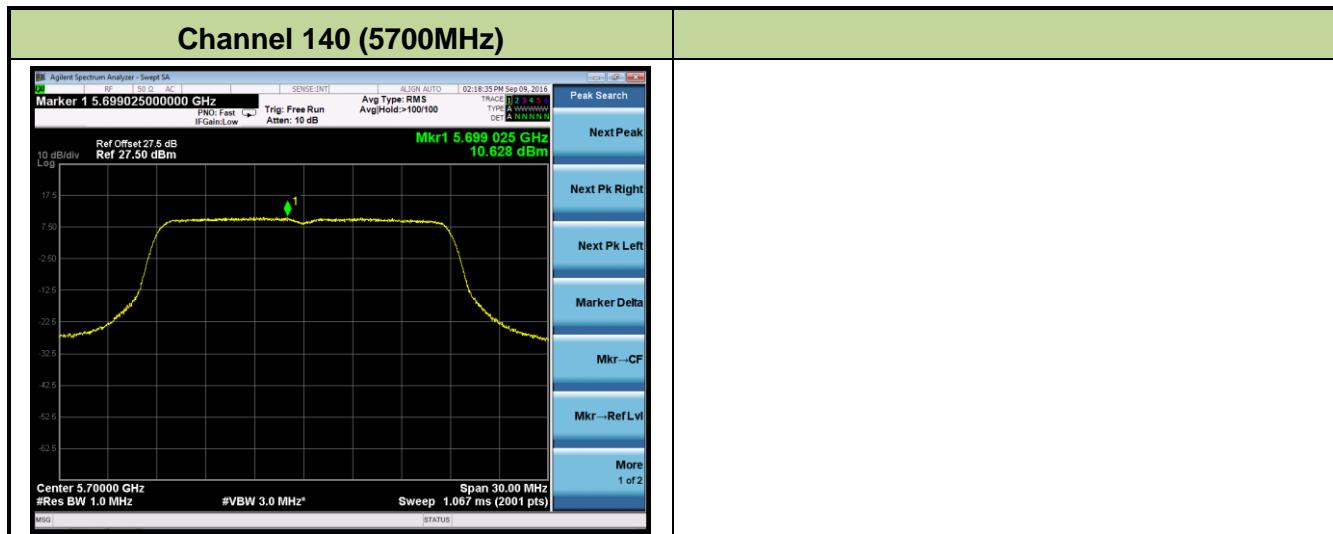


Channel 118 (5580MHz)



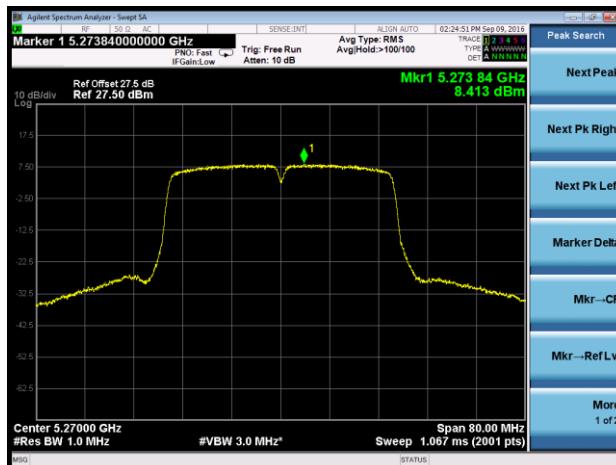
Channel 120 (5600MHz)



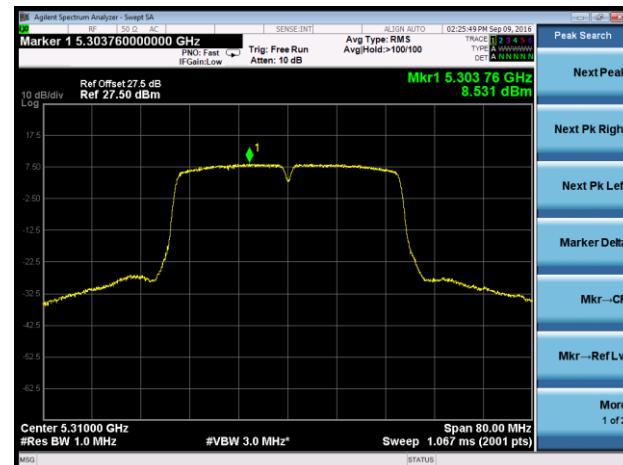


802.11n-HT40 Power Spectral Density - Ant 1

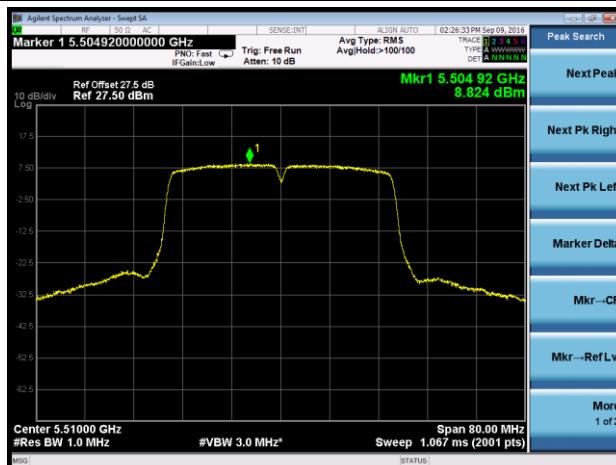
Channel 54 (5270MHz)



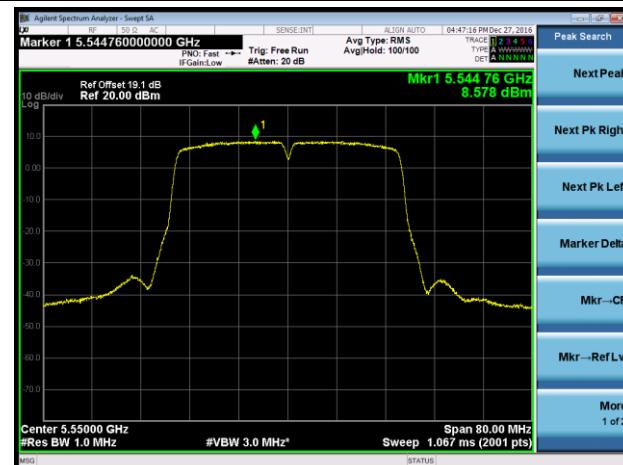
Channel 62 (5310MHz)



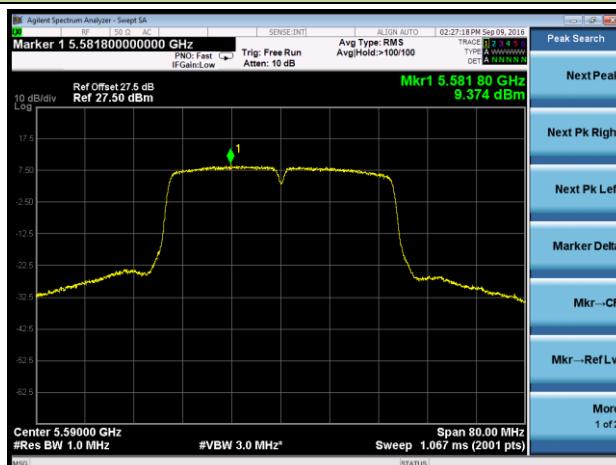
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)

