FPMI2458-DP2RPSMA 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	10.61	97.18	10.74	≤ 11.00	Pass
11a	6	60	5300	10.25	97.18	10.37	≤ 11.00	Pass
11a	6	64	5320	10.72	97.18	10.84	≤ 11.00	Pass
11a	6	100	5500	10.39	97.18	10.52	≤ 11.00	Pass
11a	6	116	5580	10.11	97.18	10.23	≤ 11.00	Pass
11a	6	120	5600	10.58	97.18	10.71	≤ 11.00	Pass
11a	6	140	5700	10.47	97.18	10.60	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.56	98.81	10.56	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.05	98.81	10.05	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.83	98.81	10.83	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.75	98.81	10.75	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.02	98.81	10.02	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.56	98.81	10.56	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.62	98.81	10.62	≤ 11.00	Pass
11n-HT40	13.5	54	5270	7.73	97.55	7.84	≤ 11.00	Pass
11n-HT40	13.5	62	5310	7.53	97.55	7.64	≤ 11.00	Pass
11n-HT40	13.5	102	5510	8.50	97.55	8.61	≤ 11.00	Pass
11n-HT40	13.5	110	5550	7.95	97.55	8.06	≤ 11.00	Pass
11n-HT40	13.5	118	5590	8.55	97.55	8.66	≤ 11.00	Pass
11n-HT40	13.5	134	5670	8.86	97.55	8.97	≤ 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	10.28	98.82	10.28	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.02	98.82	10.02	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.59	98.82	10.59	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.45	98.82	10.45	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.52	98.82	10.52	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.59	98.82	10.59	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.52	98.82	10.52	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.67	98.82	10.67	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	7.67	97.40	7.78	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	7.39	97.40	7.50	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	8.65	97.40	8.76	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.60	97.40	8.71	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	8.56	97.40	8.67	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	8.73	97.40	8.84	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	9.11	97.40	9.22	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	4.84	94.30	5.09	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	5.84	94.30	6.09	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	5.06	94.30	5.31	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	5.25	94.30	5.50	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 0 PSD (dBm/MHz) + 10*log(1/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	10.50	97.18	10.62	≤ 11.00	Pass
11a	6	60	5300	10.58	97.18	10.70	≤ 11.00	Pass
11a	6	64	5320	10.55	97.18	10.67	≤ 11.00	Pass
11a	6	100	5500	10.47	97.18	10.59	≤ 11.00	Pass
11a	6	116	5580	10.12	97.18	10.24	≤ 11.00	Pass
11a	6	120	5600	10.79	97.18	10.91	≤ 11.00	Pass
11a	6	140	5700	10.71	97.18	10.83	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.46	98.81	10.46	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.52	98.81	10.52	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.55	98.81	10.55	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.29	98.81	10.29	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.29	98.81	10.29	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.69	98.81	10.69	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.48	98.81	10.48	≤ 11.00	Pass
11n-HT40	13.5	54	5270	7.83	97.55	7.94	≤ 11.00	Pass
11n-HT40	13.5	62	5310	7.99	97.55	8.10	≤ 11.00	Pass
11n-HT40	13.5	102	5510	8.90	97.55	9.01	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.94	97.55	9.05	≤ 11.00	Pass
11n-HT40	13.5	118	5590	8.37	97.55	8.48	≤ 11.00	Pass
11n-HT40	13.5	134	5670	8.71	97.55	8.82	≤ 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	10.52	98.82	10.52	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.64	98.82	10.64	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.58	98.82	10.58	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.60	98.82	10.60	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.77	98.82	10.77	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.75	98.82	10.75	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.57	98.82	10.57	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.56	98.82	10.56	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	7.86	97.40	7.97	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	8.07	97.40	8.18	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	8.80	97.40	8.91	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.92	97.40	9.03	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	8.47	97.40	8.58	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	8.59	97.40	8.70	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	8.97	97.40	9.08	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	3.52	94.30	3.77	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	4.59	94.30	4.84	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	3.96	94.30	4.21	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	6.09	94.30	6.34	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 1 PSD (dBm/MHz) + 10*log(1/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	10.38	97.18	10.50	≤ 11.00	Pass
11a	6	60	5300	10.31	97.18	10.43	≤ 11.00	Pass
11a	6	64	5320	10.32	97.18	10.44	≤ 11.00	Pass
11a	6	100	5500	10.67	97.18	10.79	≤ 11.00	Pass
11a	6	116	5580	10.44	97.18	10.56	≤ 11.00	Pass
11a	6	120	5600	10.52	97.18	10.64	≤ 11.00	Pass
11a	6	140	5700	10.53	97.18	10.65	≤ 11.00	Pass
11n-HT20	6.5	52	5260	10.17	98.81	10.17	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.46	98.81	10.46	≤ 11.00	Pass
11n-HT20	6.5	64	5320	10.65	98.81	10.65	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.56	98.81	10.56	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.33	98.81	10.33	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.65	98.81	10.65	≤ 11.00	Pass
11n-HT20	6.5	140	5700	10.67	98.81	10.67	≤ 11.00	Pass
11n-HT40	13.5	54	5270	7.31	97.55	7.42	≤ 11.00	Pass
11n-HT40	13.5	62	5310	8.25	97.55	8.36	≤ 11.00	Pass
11n-HT40	13.5	102	5510	8.33	97.55	8.44	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.59	97.55	8.70	≤ 11.00	Pass
11n-HT40	13.5	118	5590	8.66	97.55	8.77	≤ 11.00	Pass
11n-HT40	13.5	134	5670	8.65	97.55	8.76	≤ 11.00	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	10.32	98.82	10.32	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.48	98.82	10.48	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	10.72	98.82	10.72	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.50	98.82	10.50	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.42	98.82	10.42	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.80	98.82	10.80	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.49	98.82	10.49	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.50	98.82	10.50	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	7.32	97.40	7.43	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	7.71	97.40	7.82	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	8.35	97.40	8.46	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.60	97.40	8.71	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	8.65	97.40	8.76	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	8.79	97.40	8.90	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	9.09	97.40	9.20	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	4.67	94.30	4.92	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	5.91	94.30	6.16	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	5.04	94.30	5.29	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	5.85	94.30	6.10	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 2 PSD (dBm/MHz) + 10*log(1/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	9.94	97.18	10.06	≤ 11.00	Pass
11a	6	60	5300	10.17	97.18	10.29	≤ 11.00	Pass
11a	6	64	5320	10.40	97.18	10.52	≤ 11.00	Pass
11a	6	100	5500	10.32	97.18	10.44	≤ 11.00	Pass
11a	6	116	5580	10.69	97.18	10.81	≤ 11.00	Pass
11a	6	120	5600	10.05	97.18	10.17	≤ 11.00	Pass
11a	6	140	5700	10.07	97.18	10.19	≤ 11.00	Pass
11n-HT20	6.5	52	5260	9.71	98.81	9.71	≤ 11.00	Pass
11n-HT20	6.5	60	5300	10.16	98.81	10.16	≤ 11.00	Pass
11n-HT20	6.5	64	5320	9.71	98.81	9.71	≤ 11.00	Pass
11n-HT20	6.5	100	5500	10.25	98.81	10.25	≤ 11.00	Pass
11n-HT20	6.5	116	5580	10.23	98.81	10.23	≤ 11.00	Pass
11n-HT20	6.5	120	5600	10.27	98.81	10.27	≤ 11.00	Pass
11n-HT20	6.5	140	5700	9.96	98.81	9.96	≤ 11.00	Pass
11n-HT40	13.5	54	5270	7.09	97.55	7.20	≤ 11.00	Pass
11n-HT40	13.5	62	5310	7.44	97.55	7.55	≤ 11.00	Pass
11n-HT40	13.5	102	5510	7.90	97.55	8.01	≤ 11.00	Pass
11n-HT40	13.5	110	5550	8.75	97.55	8.86	≤ 11.00	Pass
11n-HT40	13.5	118	5590	8.28	97.55	8.39	≤ 11.00	Pass
11n-HT40	13.5	134	5670	8.30	97.55	8.41	≤ 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	9.69	98.82	9.69	≤ 11.00	Pass
11ac-VHT20	6.5	60	5300	10.07	98.82	10.07	≤ 11.00	Pass
11ac-VHT20	6.5	64	5320	9.82	98.82	9.82	≤ 11.00	Pass
11ac-VHT20	6.5	100	5500	10.27	98.82	10.27	≤ 11.00	Pass
11ac-VHT20	6.5	116	5580	10.25	98.82	10.25	≤ 11.00	Pass
11ac-VHT20	6.5	120	5600	10.37	98.82	10.37	≤ 11.00	Pass
11ac-VHT20	6.5	140	5700	10.42	98.82	10.42	≤ 11.00	Pass
11ac-VHT20	6.5	144	5720	10.46	98.82	10.46	≤ 11.00	Pass
11ac-VHT40	13.5	54	5270	8.57	97.40	8.68	≤ 11.00	Pass
11ac-VHT40	13.5	62	5310	7.33	97.40	7.44	≤ 11.00	Pass
11ac-VHT40	13.5	102	5510	8.16	97.40	8.27	≤ 11.00	Pass
11ac-VHT40	13.5	110	5550	8.76	97.40	8.87	≤ 11.00	Pass
11ac-VHT40	13.5	118	5590	8.08	97.40	8.19	≤ 11.00	Pass
11ac-VHT40	13.5	134	5670	8.20	97.40	8.31	≤ 11.00	Pass
11ac-VHT40	13.5	142	5710	8.34	97.40	8.45	≤ 11.00	Pass
11ac-VHT80	29.3	58	5290	3.97	94.30	4.22	≤ 11.00	Pass
11ac-VHT80	29.3	106	5530	5.71	94.30	5.96	≤ 11.00	Pass
11ac-VHT80	29.3	122	5610	5.24	94.30	5.49	≤ 11.00	Pass
11ac-VHT80	29.3	138	5690	5.16	94.30	5.41	≤ 11.00	Pass

Note 1: When EUT duty cycle < 98%, the total PSD = Ant 3 PSD (dBm/MHz) + 10*log(1/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	4.66	4.24	--	--	97.18	7.59	≤ 8.38	Pass
11a	6	60	5300	4.73	4.62	--	--	97.18	7.81	≤ 8.38	Pass
11a	6	64	5320	4.34	4.55	--	--	97.18	7.58	≤ 8.38	Pass
11a	6	100	5500	4.80	5.19	--	--	97.18	8.13	≤ 8.65	Pass
11a	6	116	5580	4.63	4.76	--	--	97.18	7.83	≤ 8.65	Pass
11a	6	120	5600	4.42	4.76	--	--	97.18	7.73	≤ 8.65	Pass
11a	6	140	5700	4.90	5.08	--	--	97.18	8.13	≤ 8.65	Pass
11a	6	52	5260	--	--	4.15	4.10	97.18	7.26	≤ 8.38	Pass
11a	6	60	5300	--	--	4.51	4.19	97.18	7.49	≤ 8.38	Pass
11a	6	64	5320	--	--	4.70	3.79	97.18	7.40	≤ 8.38	Pass
11a	6	100	5500	--	--	4.33	4.62	97.18	7.61	≤ 8.65	Pass
11a	6	116	5580	--	--	3.95	4.35	97.18	7.29	≤ 8.65	Pass
11a	6	120	5600	--	--	3.99	4.68	97.18	7.48	≤ 8.65	Pass
11a	6	140	5700	--	--	4.83	5.24	97.18	8.17	≤ 8.65	Pass
11n-HT20	26	52	5260	4.72	4.78	--	--	98.81	7.76	≤ 8.38	Pass
11n-HT20	26	60	5300	4.50	4.34	--	--	98.81	7.43	≤ 8.38	Pass
11n-HT20	26	64	5320	4.71	4.20	--	--	98.81	7.47	≤ 8.38	Pass
11n-HT20	26	100	5500	4.56	4.93	--	--	98.81	7.76	≤ 8.65	Pass
11n-HT20	26	116	5580	4.16	4.24	--	--	98.81	7.21	≤ 8.65	Pass
11n-HT20	26	120	5600	4.91	4.99	--	--	98.81	7.96	≤ 8.65	Pass
11n-HT20	26	140	5700	4.63	4.64	--	--	98.81	7.65	≤ 8.65	Pass
11n-HT20	26	52	5260	--	--	4.50	4.24	98.81	7.38	≤ 8.38	Pass
11n-HT20	26	60	5300	--	--	4.53	4.22	98.81	7.39	≤ 8.38	Pass
11n-HT20	26	64	5320	--	--	5.02	3.83	98.81	7.48	≤ 8.38	Pass
11n-HT20	26	100	5500	--	--	4.17	3.65	98.81	6.93	≤ 8.65	Pass
11n-HT20	26	116	5580	--	--	3.56	3.83	98.81	6.71	≤ 8.65	Pass
11n-HT20	26	120	5600	--	--	4.12	5.03	98.81	7.61	≤ 8.65	Pass
11n-HT20	26	140	5700	--	--	4.54	4.92	98.81	7.74	≤ 8.65	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
11n-HT40	54	54	5270	1.87	1.21	--	--	97.55	4.67	≤ 8.38	Pass
11n-HT40	54	62	5310	2.33	1.51	--	--	97.55	5.06	≤ 8.38	Pass
11n-HT40	54	102	5510	3.12	2.84	--	--	97.55	6.10	≤ 8.65	Pass
11n-HT40	54	110	5550	3.95	4.15	--	--	97.55	7.17	≤ 8.65	Pass
11n-HT40	54	118	5590	2.51	2.89	--	--	97.55	5.82	≤ 8.65	Pass
11n-HT40	54	134	5670	2.87	2.39	--	--	97.55	5.75	≤ 8.65	Pass
11n-HT40	54	54	5270	--	--	1.06	-0.52	97.55	3.46	≤ 8.38	Pass
11n-HT40	54	62	5310	--	--	1.56	-0.24	97.55	3.87	≤ 8.38	Pass
11n-HT40	54	102	5510	--	--	2.42	1.38	97.55	5.05	≤ 8.65	Pass
11n-HT40	54	110	5550	--	--	3.45	3.57	97.55	6.63	≤ 8.65	Pass
11n-HT40	54	118	5590	--	--	2.13	1.43	97.55	4.91	≤ 8.65	Pass
11n-HT40	54	134	5670	--	--	2.03	2.10	97.55	5.18	≤ 8.65	Pass
11ac-VHT20	26	52	5260	4.82	4.74	--	--	98.82	7.79	≤ 8.83	Pass
11ac-VHT20	26	60	5300	4.77	4.45	--	--	98.82	7.62	≤ 8.83	Pass
11ac-VHT20	26	64	5320	4.42	4.49	--	--	98.82	7.47	≤ 8.83	Pass
11ac-VHT20	26	100	5500	4.56	4.81	--	--	98.82	7.70	≤ 8.06	Pass
11ac-VHT20	26	116	5580	4.21	4.27	--	--	98.82	7.25	≤ 8.06	Pass
11ac-VHT20	26	120	5600	4.94	4.82	--	--	98.82	7.89	≤ 8.06	Pass
11ac-VHT20	26	140	5700	4.78	4.59	--	--	98.82	7.70	≤ 8.06	Pass
11ac-VHT20	26	144	5720	4.99	4.72	--	--	98.82	7.87	≤ 8.06	Pass
11ac-VHT20	26	52	5260	--	--	4.78	4.04	98.82	7.44	≤ 8.83	Pass
11ac-VHT20	26	60	5300	--	--	4.76	4.27	98.82	7.53	≤ 8.83	Pass
11ac-VHT20	26	64	5320	--	--	4.71	4.09	98.82	7.42	≤ 8.83	Pass
11ac-VHT20	26	100	5500	--	--	3.85	4.04	98.82	6.96	≤ 8.06	Pass
11ac-VHT20	26	116	5580	--	--	3.25	3.87	98.82	6.58	≤ 8.06	Pass
11ac-VHT20	26	120	5600	--	--	4.31	4.67	98.82	7.50	≤ 8.06	Pass
11ac-VHT20	26	140	5700	--	--	4.46	4.78	98.82	7.63	≤ 8.06	Pass
11ac-VHT20	26	144	5720	--	--	4.44	4.84	98.82	7.65	≤ 8.06	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-VHT40	54	54	5270	2.40	2.01	--	--	97.40	5.33	≤ 8.83	Pass
11ac-VHT40	54	62	5310	2.18	1.54	--	--	97.40	5.00	≤ 8.83	Pass
11ac-VHT40	54	102	5510	2.96	2.91	--	--	97.40	6.06	≤ 8.06	Pass
11ac-VHT40	54	110	5550	4.16	4.10	--	--	97.40	7.25	≤ 8.06	Pass
11ac-VHT40	54	118	5590	3.18	3.14	--	--	97.40	6.28	≤ 8.06	Pass
11ac-VHT40	54	134	5670	3.16	3.14	--	--	97.40	6.27	≤ 8.06	Pass
11ac-VHT40	54	142	5710	3.58	2.98	--	--	97.40	6.42	≤ 8.06	Pass
11ac-VHT40	54	54	5270	--	--	1.67	0.48	97.40	4.24	≤ 8.83	Pass
11ac-VHT40	54	62	5310	--	--	1.55	-0.22	97.40	3.88	≤ 8.83	Pass
11ac-VHT40	54	102	5510	--	--	2.38	1.53	97.40	5.10	≤ 8.06	Pass
11ac-VHT40	54	110	5550	--	--	3.54	3.43	97.40	6.61	≤ 8.06	Pass
11ac-VHT40	54	118	5590	--	--	2.75	2.22	97.40	5.62	≤ 8.06	Pass
11ac-VHT40	54	134	5670	--	--	2.89	2.33	97.40	5.74	≤ 8.06	Pass
11ac-VHT40	54	142	5710	--	--	3.62	3.43	97.40	6.65	≤ 8.06	Pass
11ac-VHT80	117.2	58	5290	-1.03	-1.72	--	--	94.30	1.90	≤ 8.83	Pass
11ac-VHT80	117.2	106	5530	-0.33	0.09	--	--	94.30	3.15	≤ 8.06	Pass
11ac-VHT80	117.2	122	5610	0.07	-0.04	--	--	94.30	3.28	≤ 8.06	Pass
11ac-VHT80	117.2	138	5690	0.63	0.17	--	--	94.30	3.67	≤ 8.06	Pass
11ac-VHT80	117.2	58	5290	--	--	-1.56	-3.23	94.30	0.95	≤ 8.83	Pass
11ac-VHT80	117.2	106	5530	--	--	-0.22	-1.33	94.30	2.53	≤ 8.06	Pass
11ac-VHT80	117.2	122	5610	--	--	-0.90	-0.24	94.30	2.71	≤ 8.06	Pass
11ac-VHT80	117.2	138	5690	--	--	0.35	-0.16	94.30	3.37	≤ 8.06	Pass

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

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

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	58.6	42	5210	0.33	0.24	--	--	94.30	--	3.55	≤ 14.31	Pass
80+80	58.6	58	5290	--	--	-1.29	-0.75	94.30	--	2.25	≤ 8.38	Pass
11ac-VHT	58.6	42	5210	2.04	2.09	--	--	94.30	--	5.33	≤ 14.31	Pass
80+80	58.6	106	5530	--	--	1.44	1.43	94.30	--	4.70	≤ 8.65	Pass
11ac-VHT	58.6	42	5210	2.50	2.33	--	--	94.30	--	5.68	≤ 14.31	Pass
80+80	58.6	122	5610	--	--	2.34	1.81	94.30	--	5.35	≤ 8.65	Pass
11ac-VHT	58.6	42	5210	2.08	2.17	--	--	94.30	--	5.39	≤ 14.31	Pass
80+80	58.6	138	5690	--	--	2.18	1.35	94.30	--	5.05	≤ 8.65	Pass
11ac-VHT	58.6	58	5290	-0.15	-0.71	--	--	94.30	--	2.85	≤ 8.38	Pass
80+80	58.6	106	5530	--	--	-1.20	-0.95	94.30	--	2.19	≤ 8.65	Pass
11ac-VHT	58.6	58	5290	1.51	1.14	--	--	94.30	--	2.98	≤ 8.38	Pass
80+80	58.6	122	5610	--	--	0.14	0.48	94.30	--	2.34	≤ 8.65	Pass
11ac-VHT	58.6	58	5290	1.45	1.05	--	--	94.30	--	4.52	≤ 8.38	Pass
80+80	58.6	138	5690	--	--	0.73	0.29	94.30	--	3.78	≤ 8.65	Pass
11ac-VHT	58.6	58	5290	1.39	0.81	--	--	94.30	--	4.37	≤ 8.38	Pass
80+80	58.6	155	5775	--	--	-8.58	-8.92	94.30	6.99	1.51	≤ 27.82	Pass
11ac-VHT	58.6	106	5530	0.90	0.32	--	--	94.30	--	3.88	≤ 8.65	Pass
80+80	58.6	122	5610	--	--	-0.03	0.32	94.30	--	3.41	≤ 8.65	Pass
11ac-VHT	58.6	106	5530	0.69	0.54	--	--	94.30	--	3.88	≤ 8.65	Pass
80+80	58.6	138	5690	--	--	0.51	-0.49	94.30	--	3.30	≤ 8.65	Pass
11ac-VHT	58.6	106	5530	0.72	0.48	--	--	94.30	--	3.87	≤ 8.65	Pass
80+80	58.6	155	5775	--	--	-9.32	-9.85	94.30	6.99	0.68	≤ 27.82	Pass
11ac-VHT	58.6	122	5610	1.88	1.53	--	--	94.30	--	4.97	≤ 8.65	Pass
80+80	58.6	138	5690	--	--	2.15	1.63	94.30	--	5.16	≤ 8.65	Pass
11ac-VHT	58.6	122	5610	1.87	1.58	--	--	94.30	--	4.99	≤ 8.65	Pass
80+80	58.6	155	5775	--	--	-7.49	-8.38	94.30	6.99	2.43	≤ 27.82	Pass
11ac-VHT	58.6	138	5690	2.18	1.66	--	--	94.30	--	5.19	≤ 8.65	Pass
80+80	58.6	155	5775	--	--	-7.40	-8.35	94.30	6.99	2.40	≤ 27.82	Pass

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

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

802.11a Power Spectral Density - Ant 0
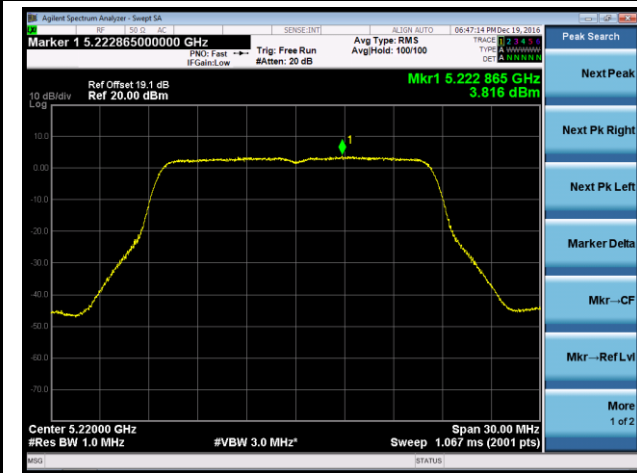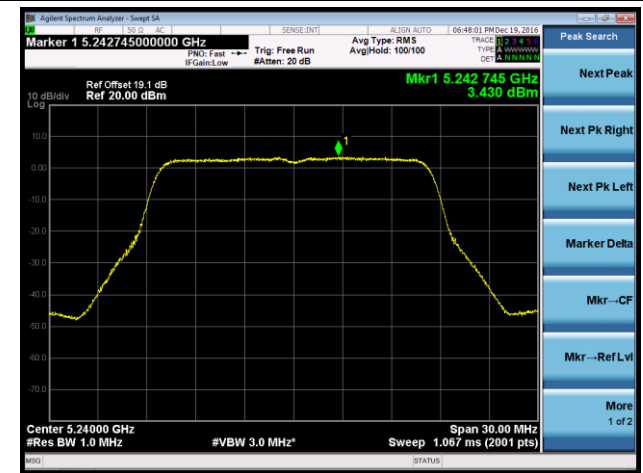
Channel 44 (5220MHz)	Channel 48 (5240MHz)

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 0

Channel 44 (5220MHz)	Channel 48 (5240MHz)

Channel 52 (5260MHz)	Channel 60 (5300MHz)

Channel 64 (5320MHz)	Channel 100 (5500MHz)

Channel 118 (5580MHz)	Channel 120 (5600MHz)

Channel 140 (5700MHz)	
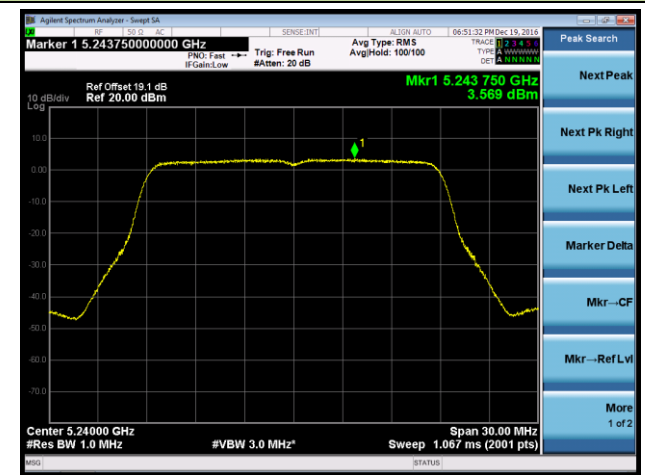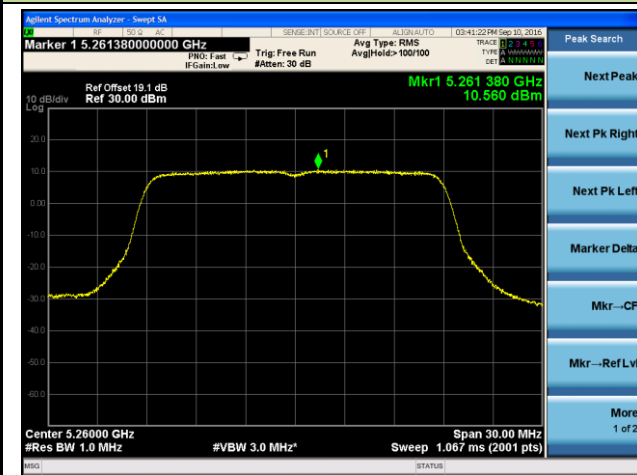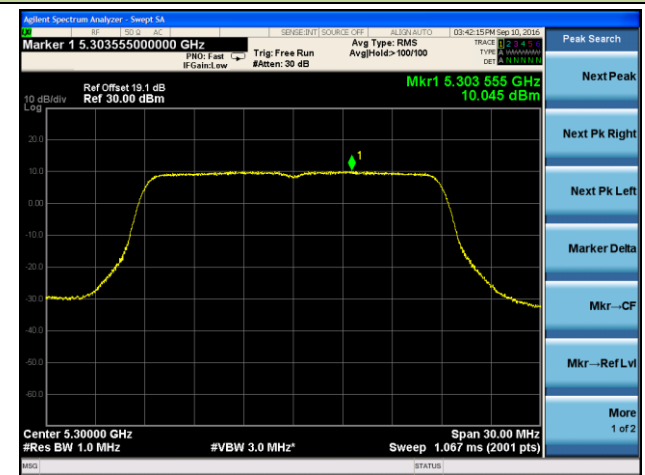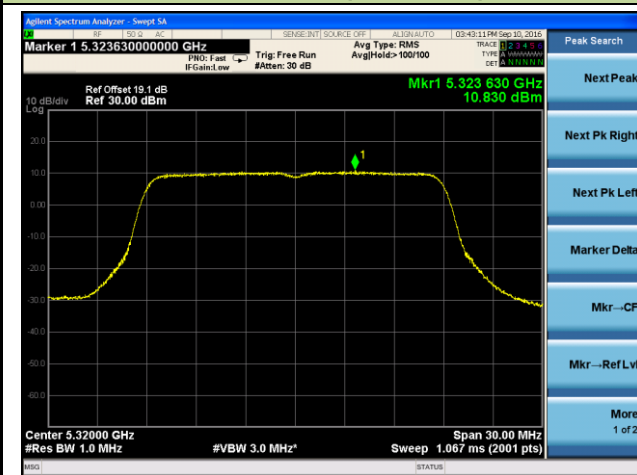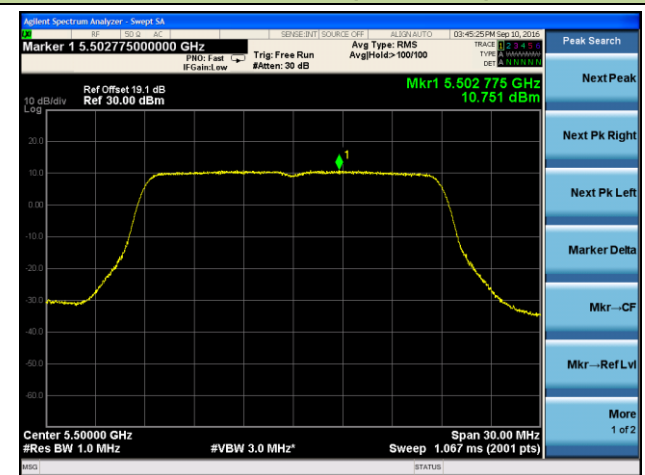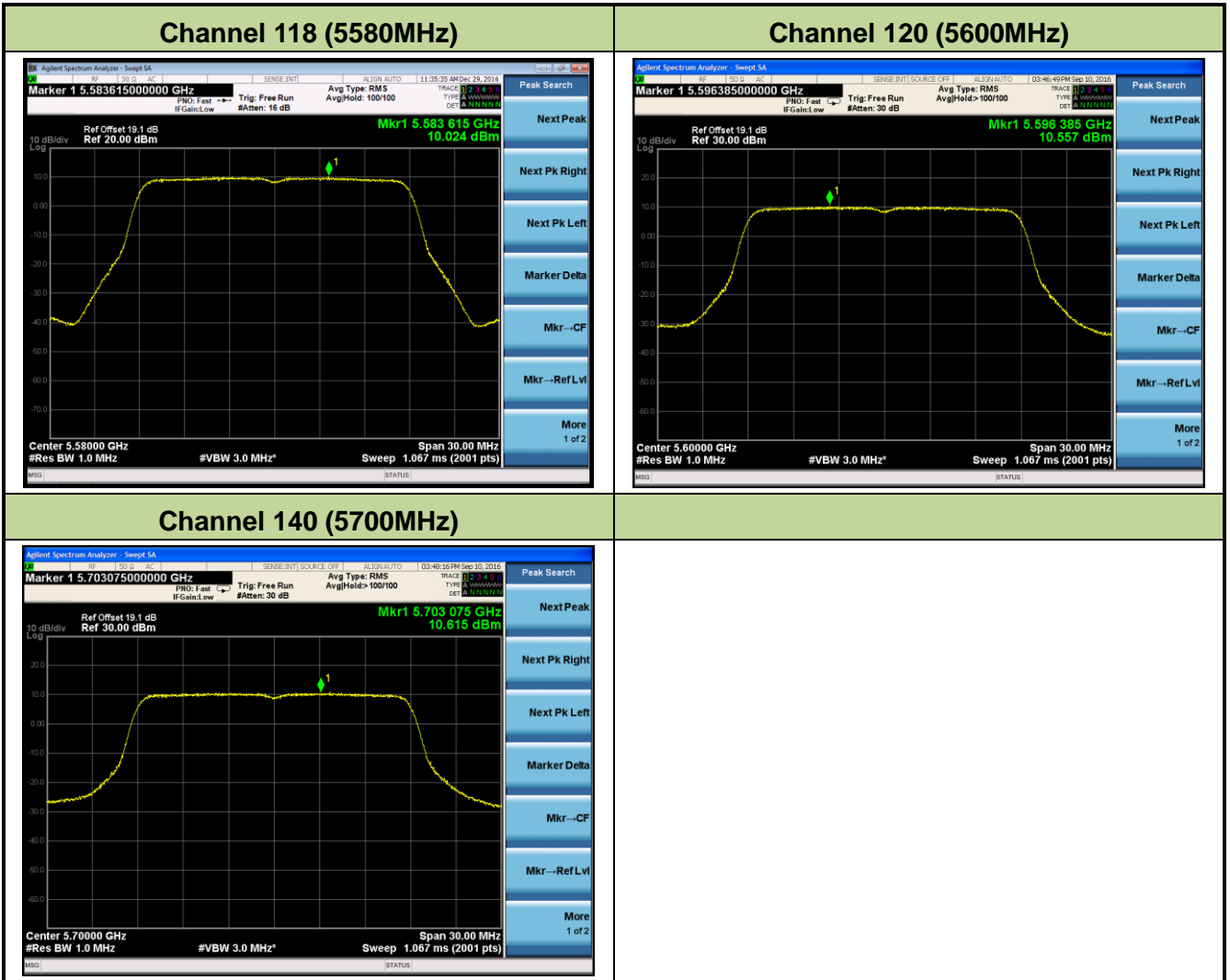
802.11n-HT40 Power Spectral Density - Ant 0

Channel 54 (5270MHz)
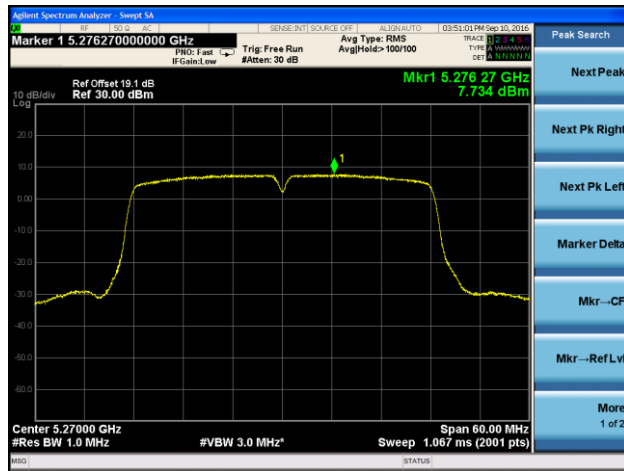
Channel 62 (5310MHz)

Channel 102 (5510MHz)

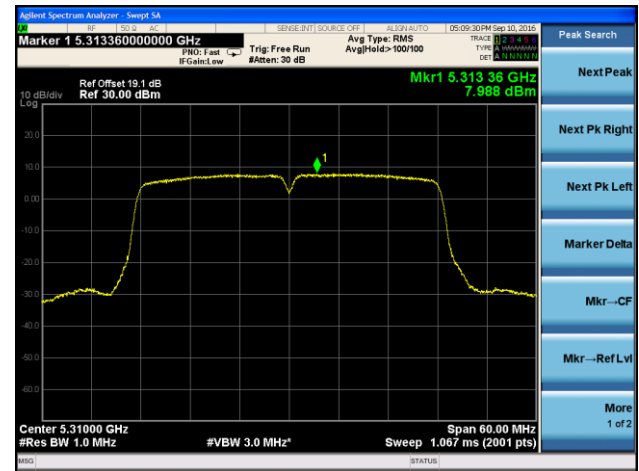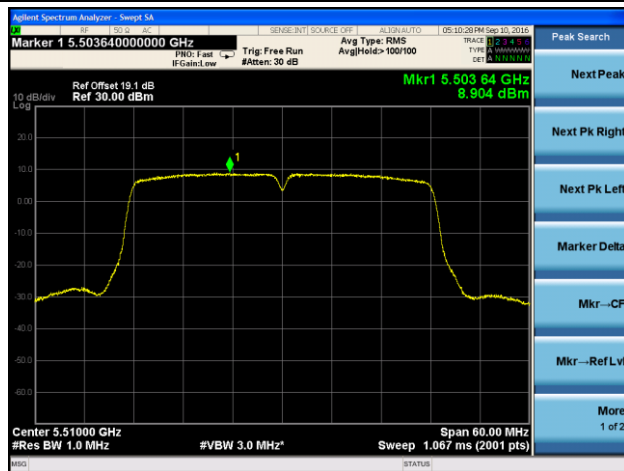### Channel 110 (5550MHz)

Channel 118 (5590MHz)
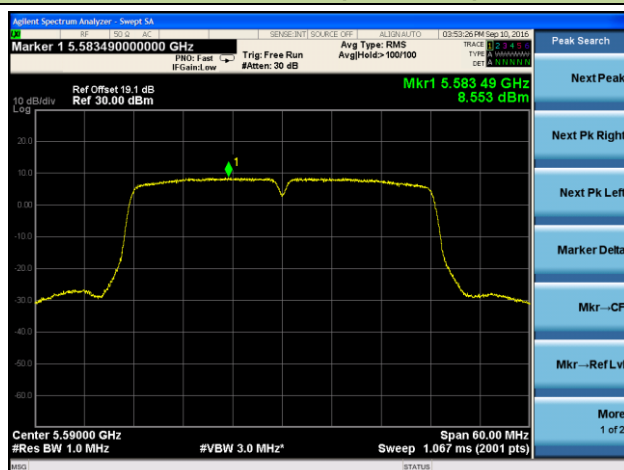
Channel 134 (5670MHz)
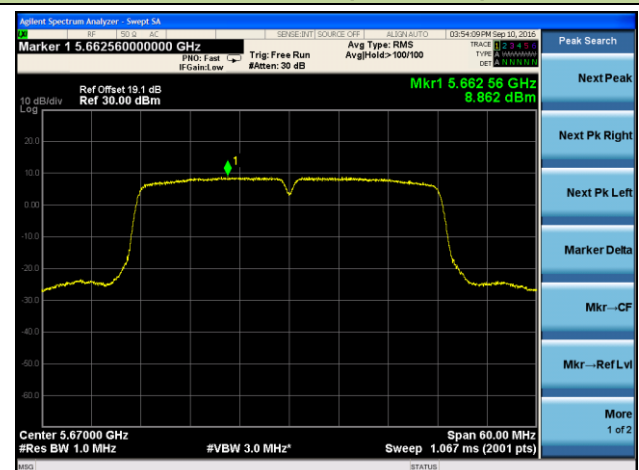
802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 52 (5260MHz)
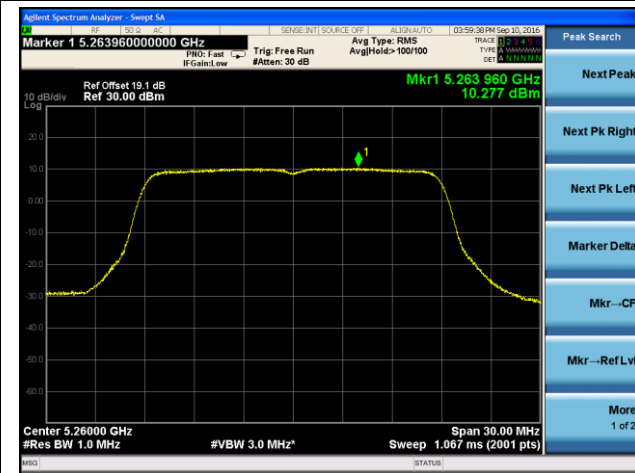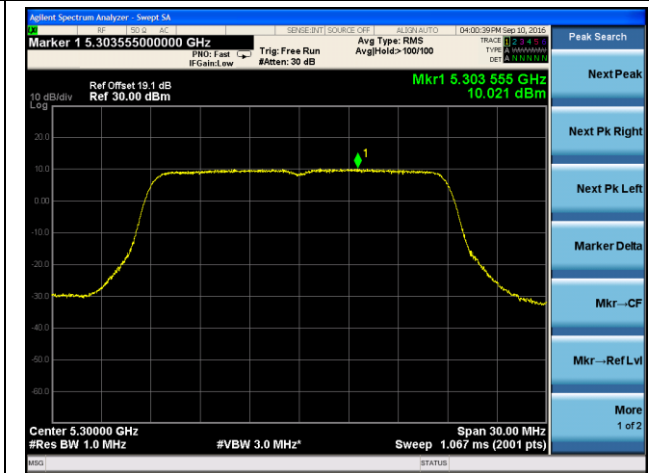
Channel 60 (5300MHz)

Channel 64 (5320MHz)

Channel 100 (5500MHz)

Channel 118 (5580MHz)
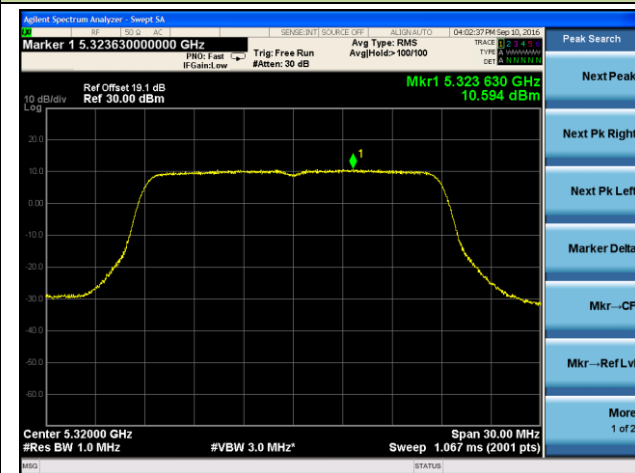
Channel 120 (5600MHz)
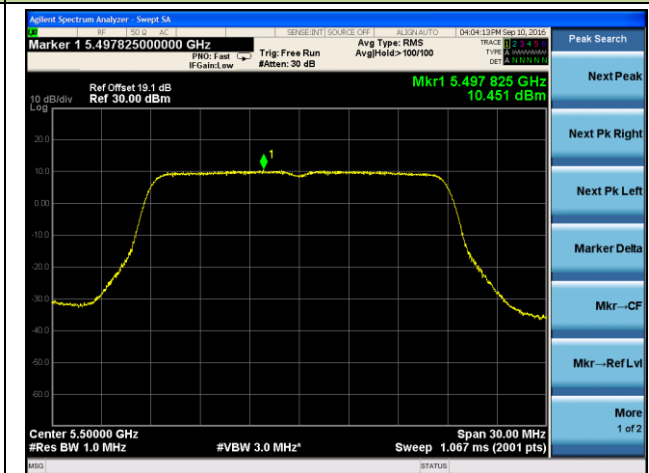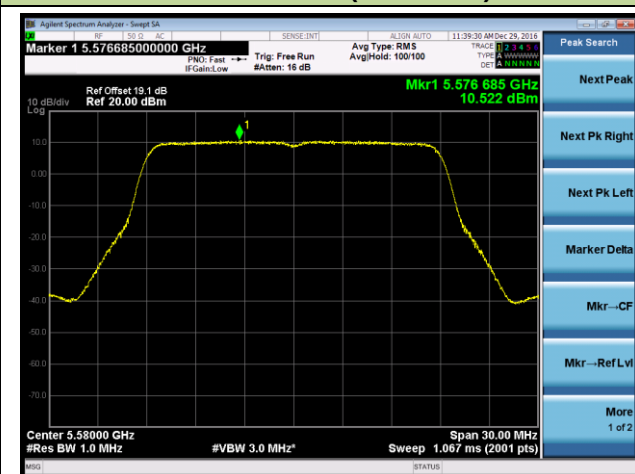
Channel 140 (5700MHz)	Channel 144 (5720MHz)
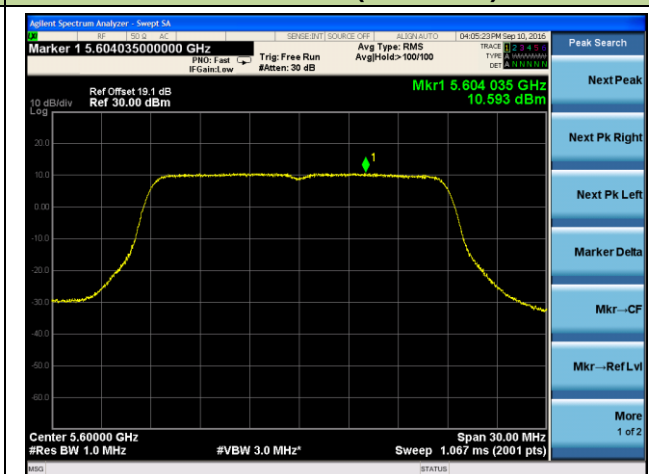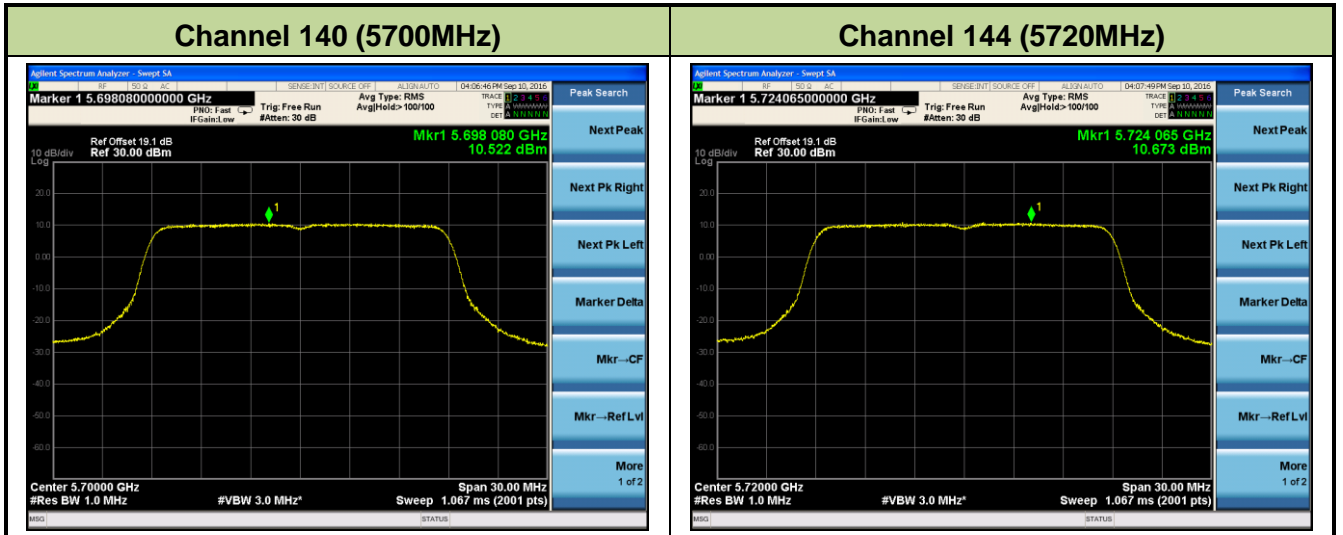
802.11ac-VHT40 Power Spectral Density - Ant 0
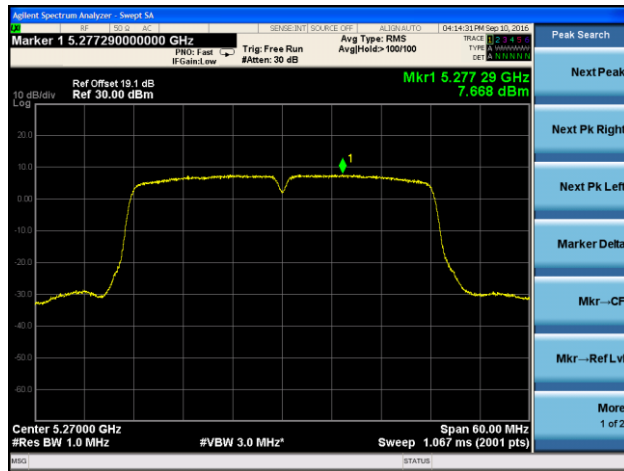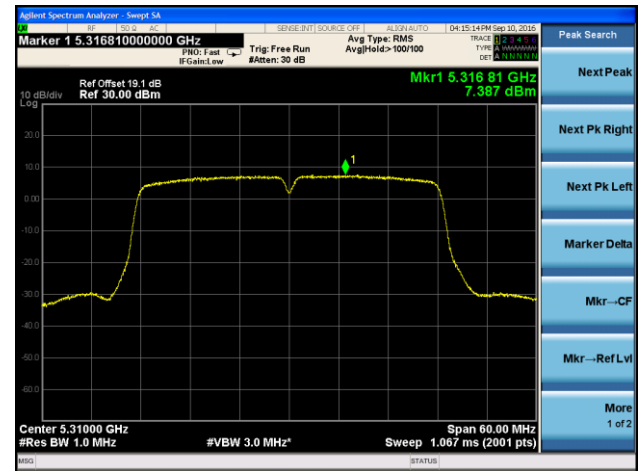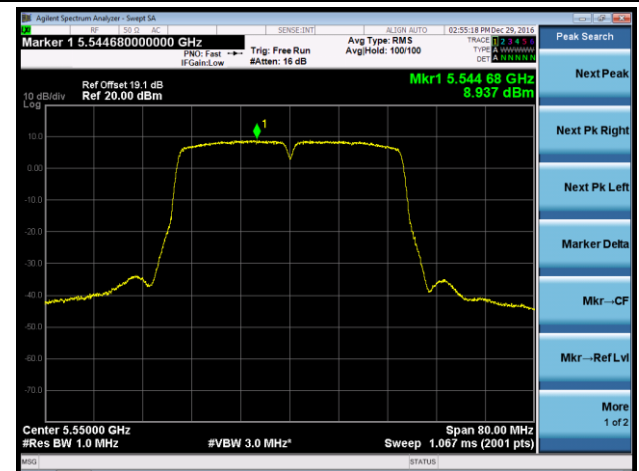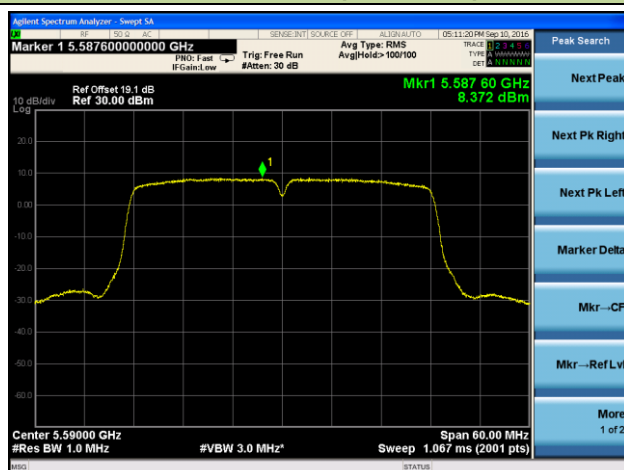
Channel 54 (5270MHz)
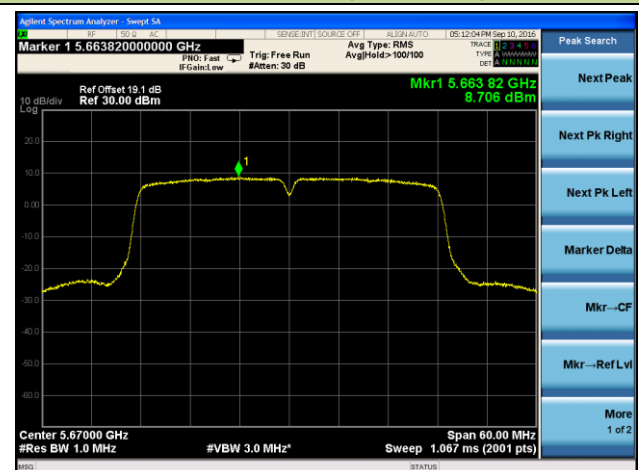

Channel 62 (5310MHz)

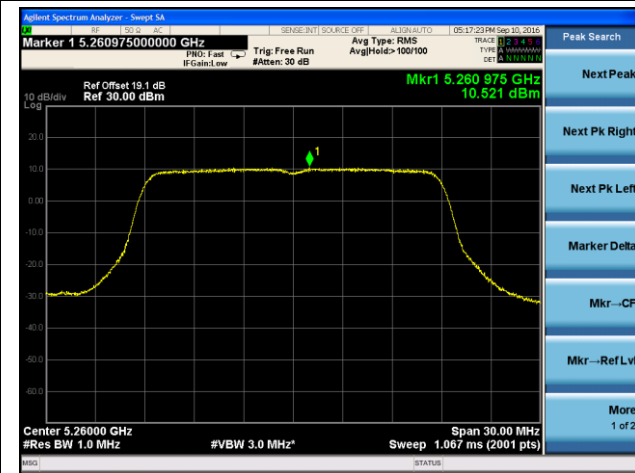

Channel 102 (5510MHz)

Channel 110 (5550MHz)
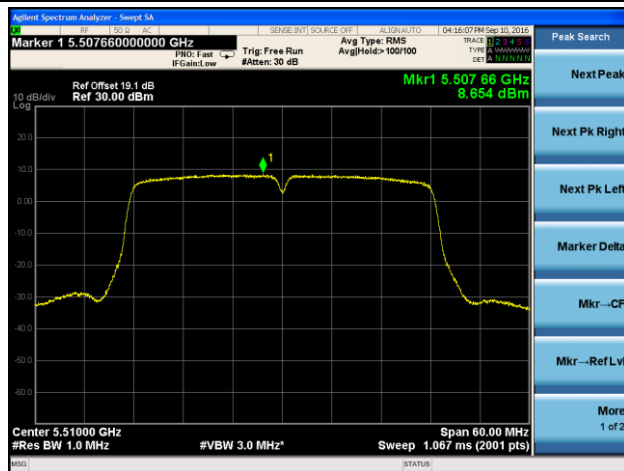
Channel 118 (5590MHz)
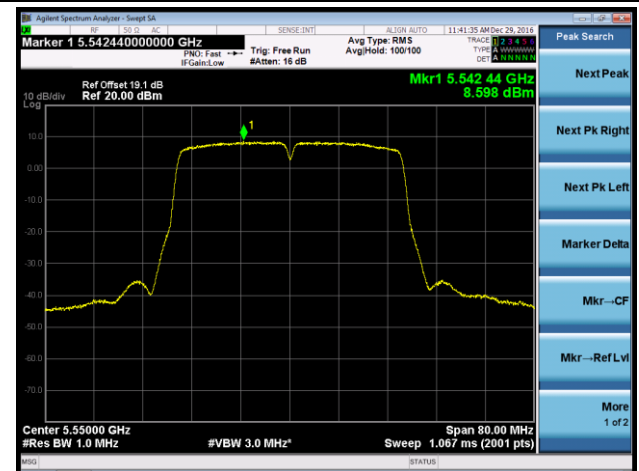
Channel 134 (5670MHz)
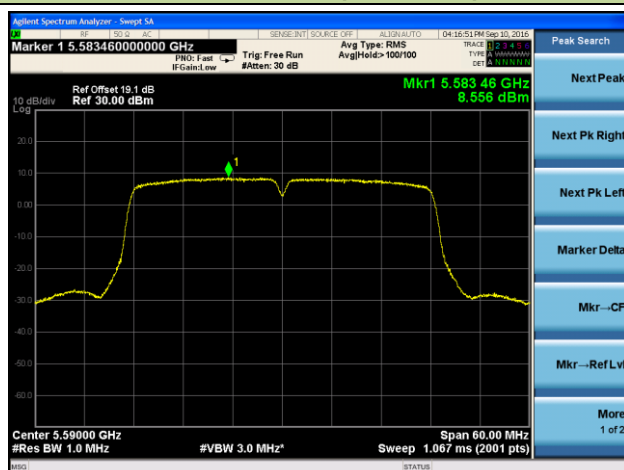
Channel 142 (5710MHz)
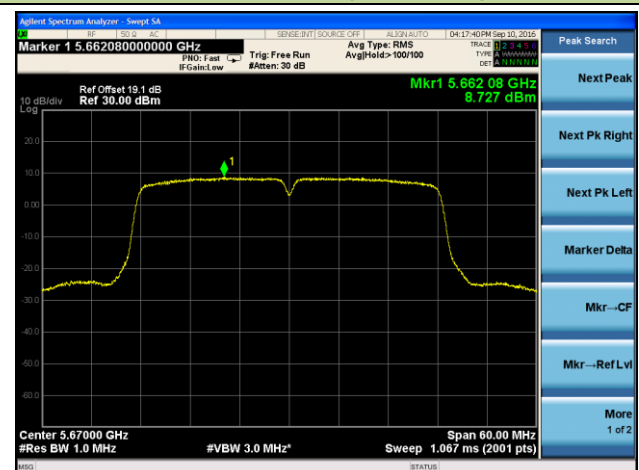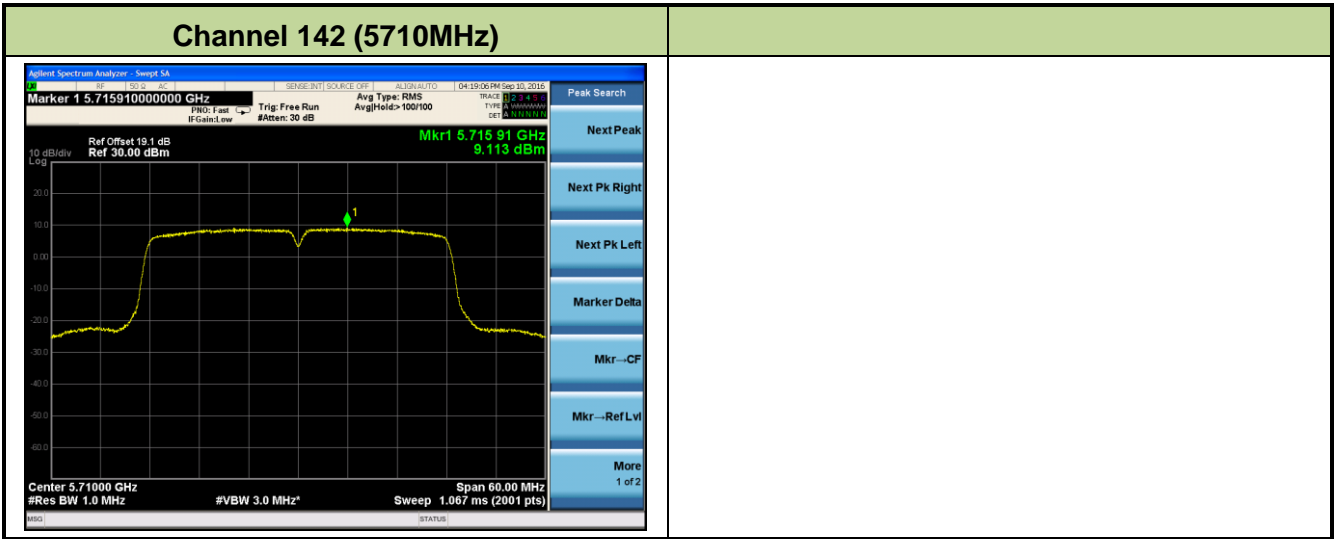
802.11ac-VHT80 Power Spectral Density - Ant 0

Channel 58 (5290MHz)
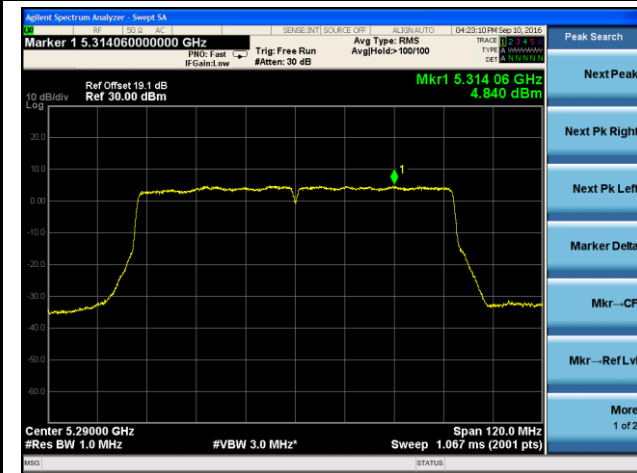
Channel 106 (5530MHz)
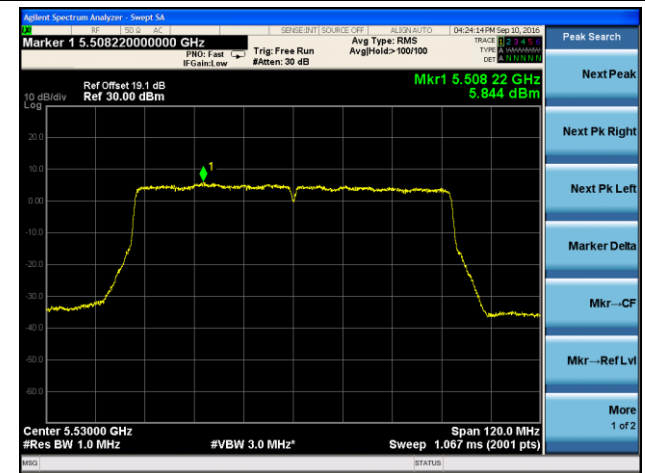
Channel 122 (5610MHz)
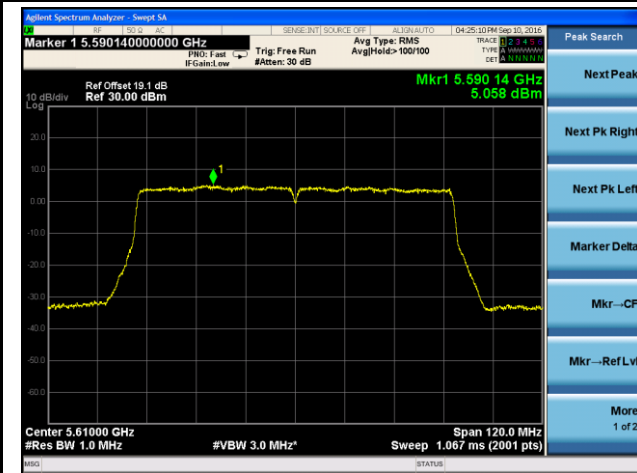
Channel 138 (5690MHz)
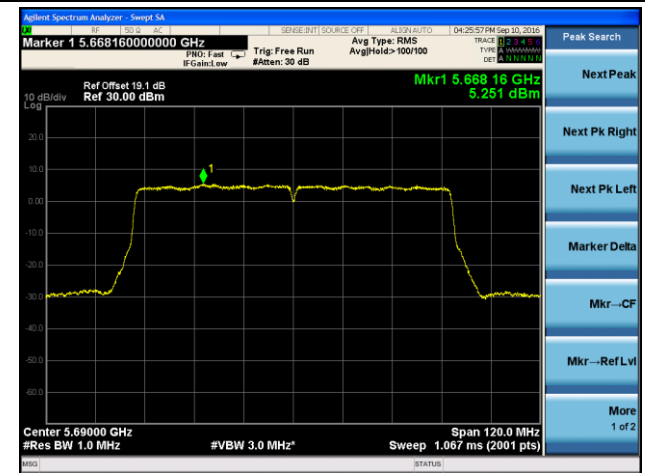
802.11a Power Spectral Density - Ant 1
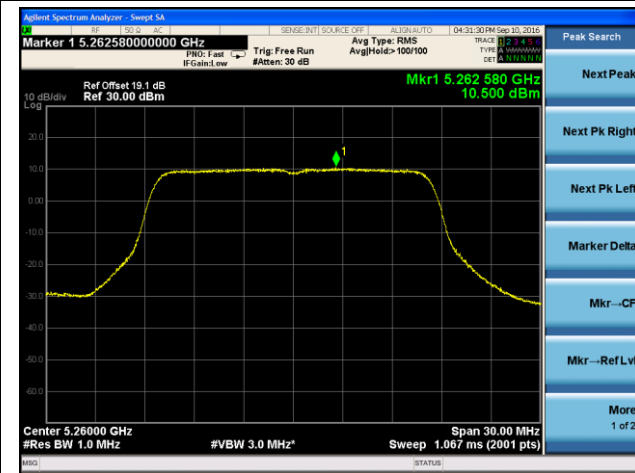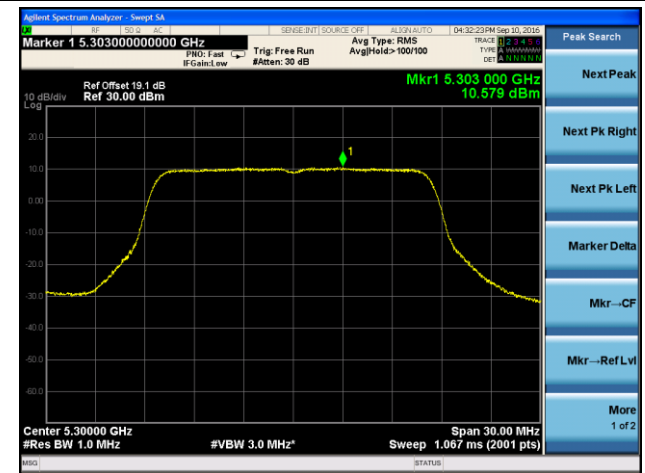
Channel 52 (5260MHz)

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)

Channel 140 (5700MHz)
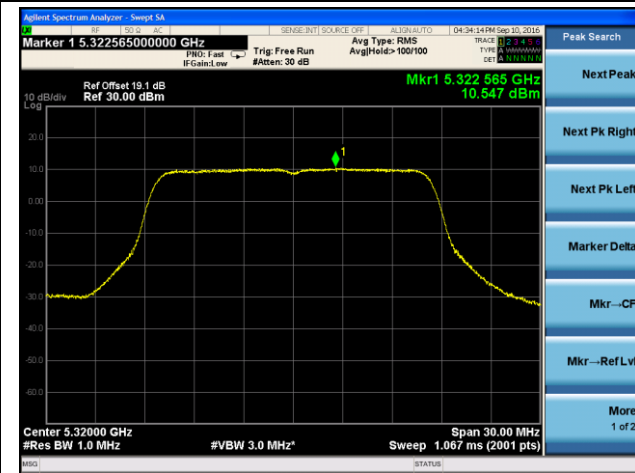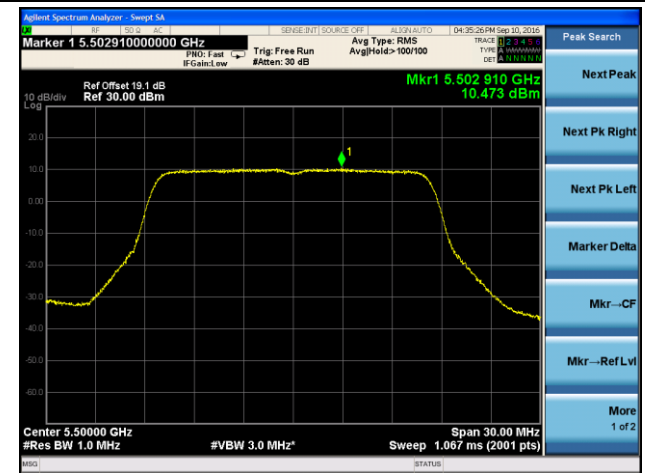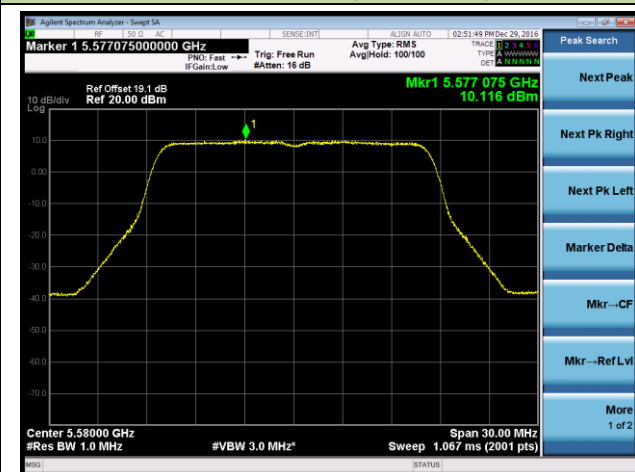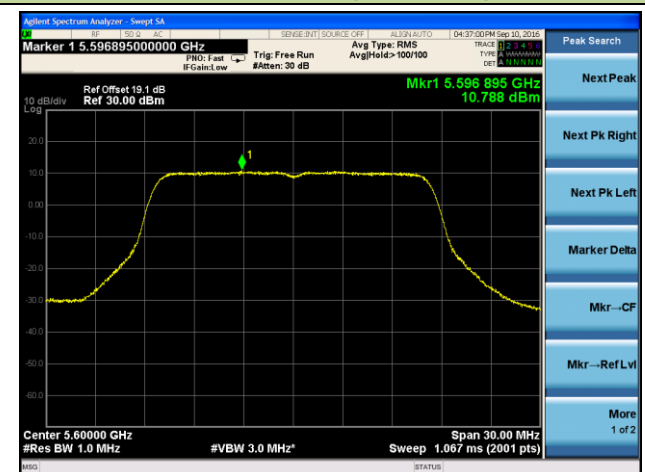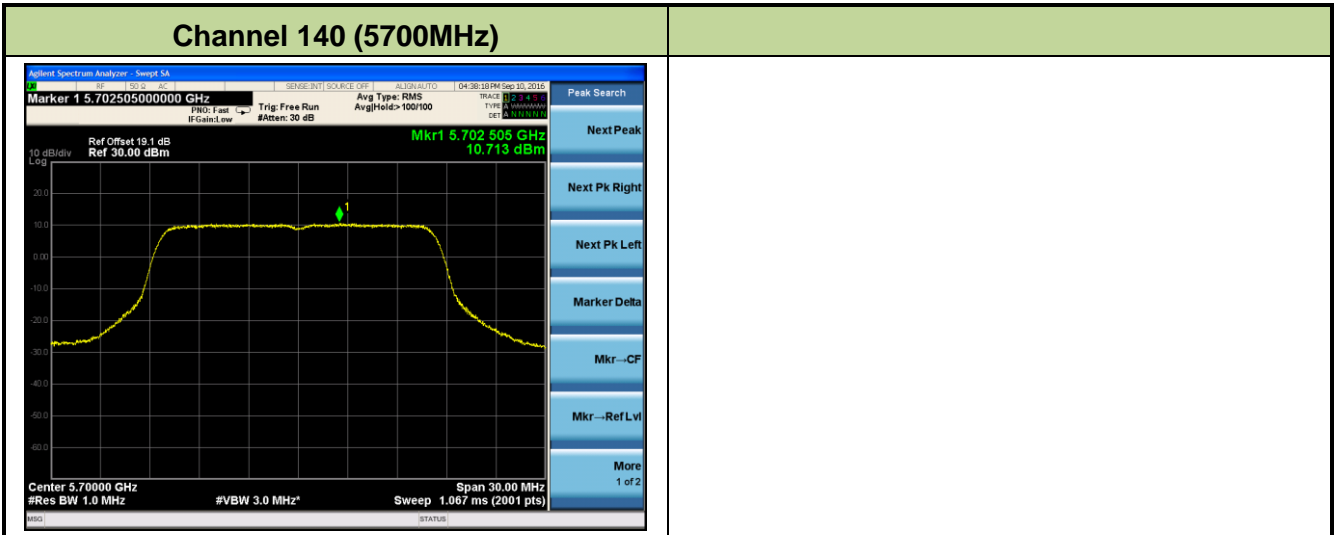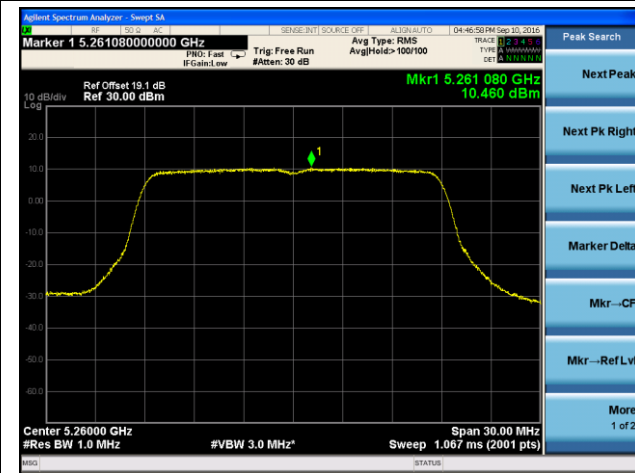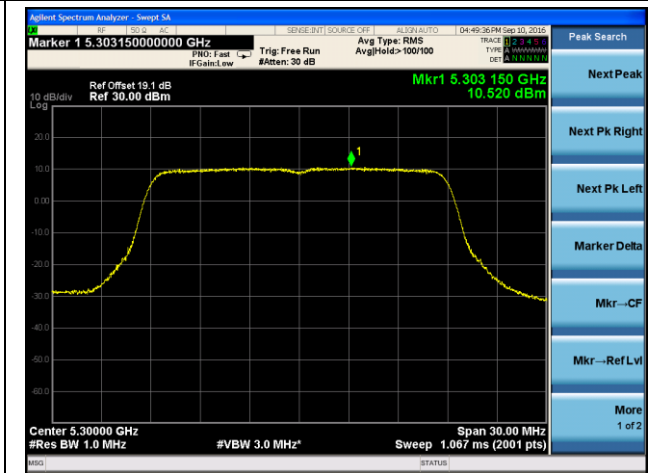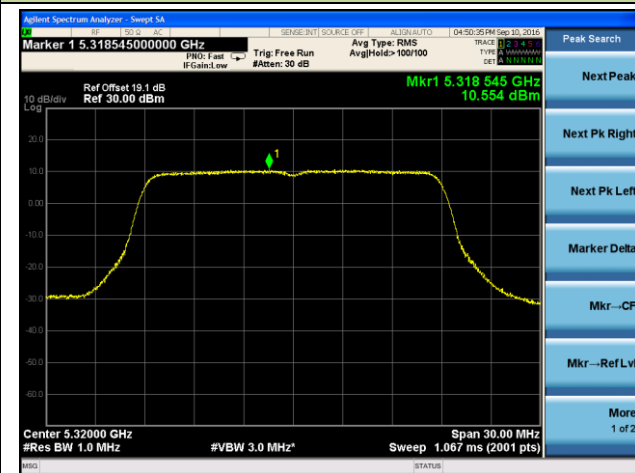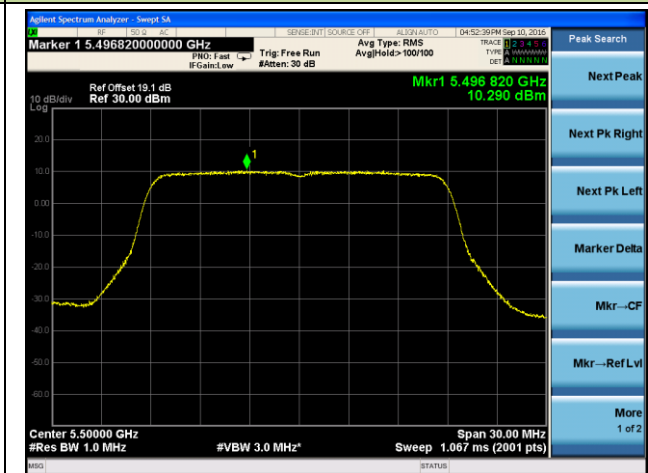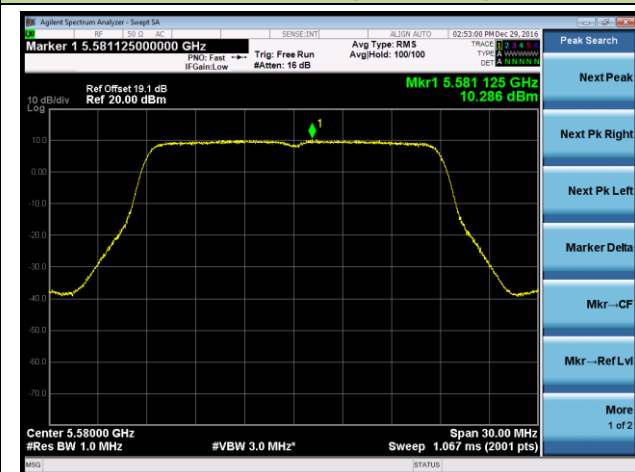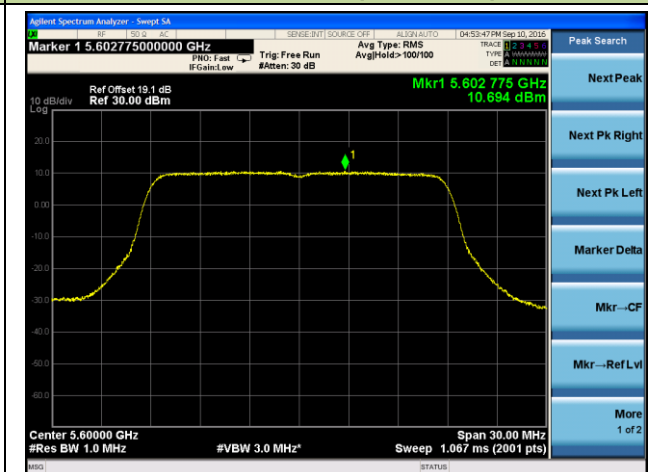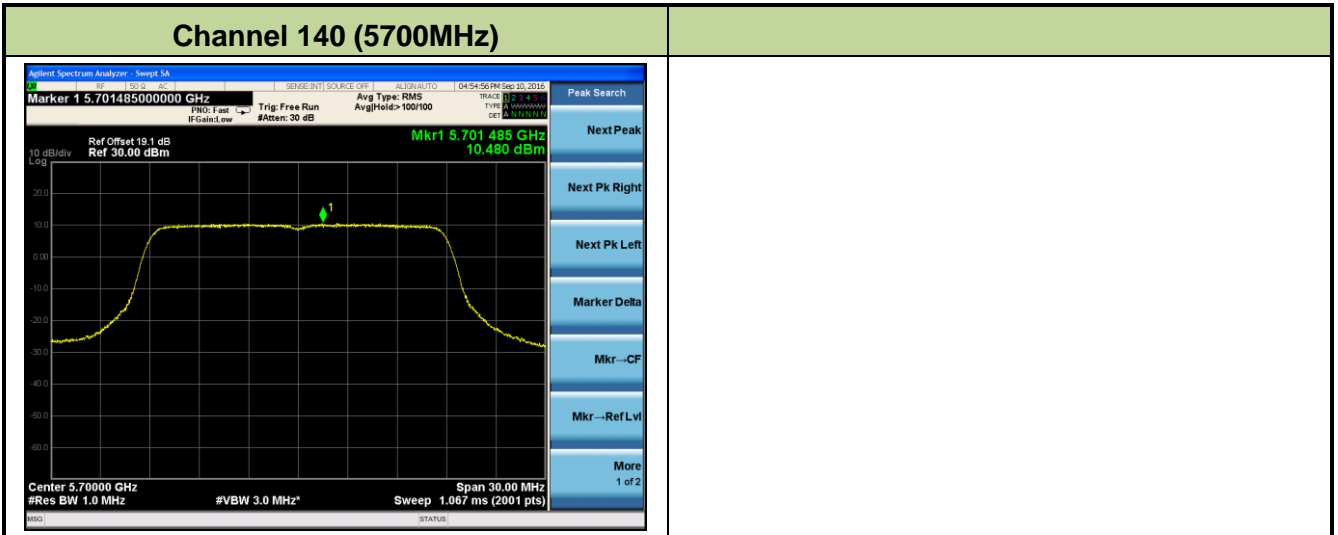
802.11n-HT40 Power Spectral Density - Ant 1

Channel 54 (5270MHz)

Channel 62 (5310MHz)
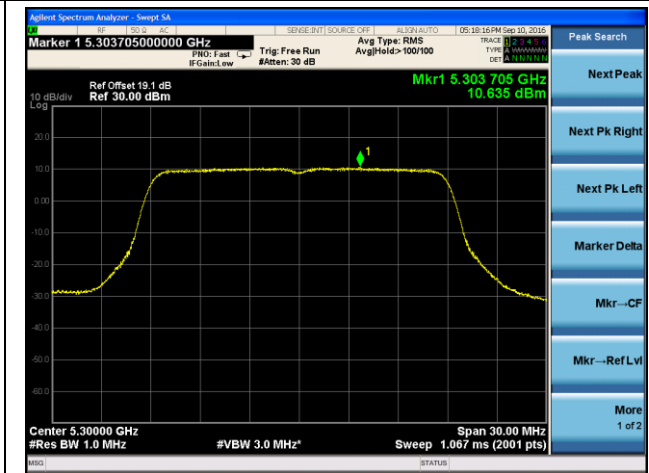

Channel 102 (5510MHz)

Channel 110 (5550MHz)

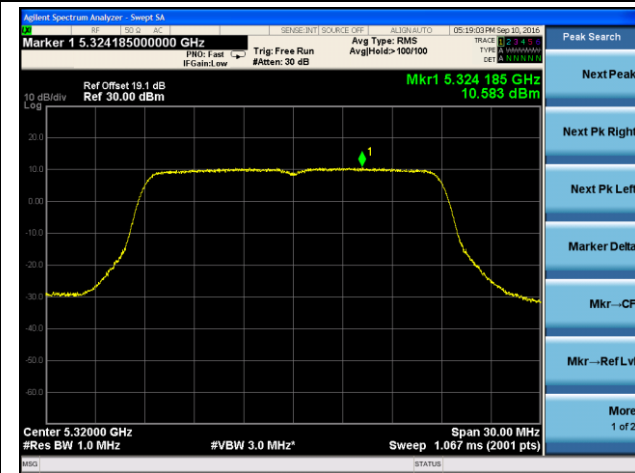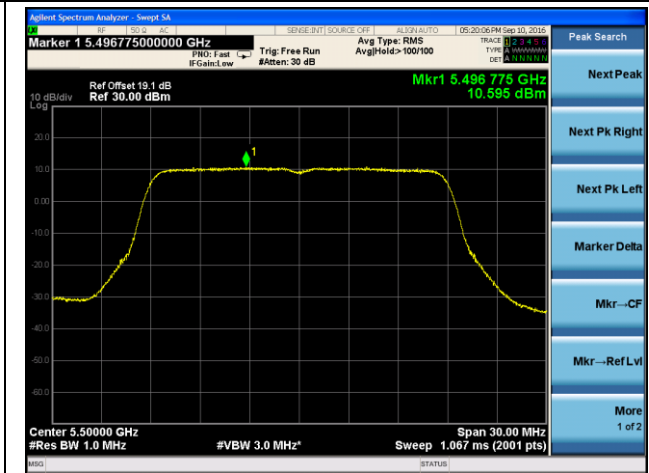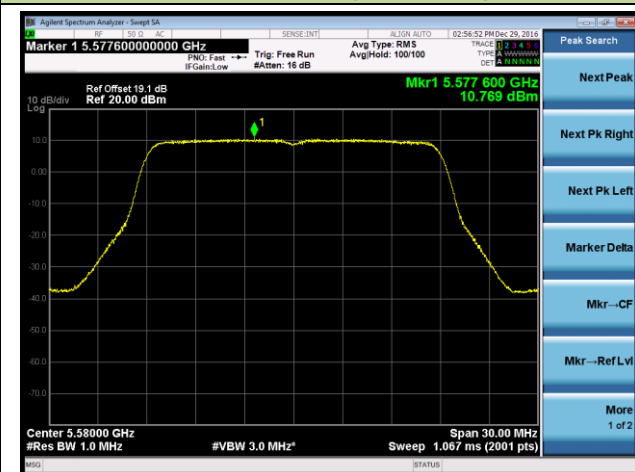### Channel 118 (5590MHz)

Channel 134 (5670MHz)

802.11ac-VHT20 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)	Channel 144 (5720MHz)