

11ac-VHT80	2	58.6	122	5610	11.26	10.22	22.68	24	Pass
11ac-VHT80	2	58.6	138	5690	11.19	10.14	22.61	24	Pass

Note: Total TPC Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antena Gain(dBi)}$.

ANTENNA 4#

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 TPC Power (dBm)	Ant 1 TPC Power (dBm)	Total EIRP TPC Power (dBm)	Limit (dBm)	Result
11a	2	6	52	5260	2.05	2.73	21.01	24	Pass
11a	2	6	60	5300	1.01	2.69	20.54	24	Pass
11a	2	6	64	5320	2.12	2.23	20.79	24	Pass
11a	2	6	100	5500	2.06	1.12	20.23	24	Pass
11a	2	6	120	5600	1.66	0.36	19.67	24	Pass
11a	2	6	140	5700	1.67	0.90	19.91	24	Pass
11n-HT20	2	13	52	5260	2.62	2.55	21.20	24	Pass
11n-HT20	2	13	60	5300	2.93	2.98	21.57	24	Pass
11n-HT20	2	13	64	5320	2.60	2.80	21.31	24	Pass
11n-HT20	2	13	100	5500	2.54	1.50	20.66	24	Pass
11n-HT20	2	13	120	5600	1.73	1.36	20.16	24	Pass
11n-HT20	2	13	140	5700	1.70	0.86	19.91	24	Pass
11n-HT40	2	27	54	5270	4.84	5.05	23.56	24	Pass
11n-HT40	2	27	62	5310	5.20	5.47	23.95	24	Pass
11n-HT40	2	27	102	5510	5.06	4.06	23.20	24	Pass
11n-HT40	2	27	118	5590	4.50	4.23	22.98	24	Pass
11n-HT40	2	27	134	5670	4.83	3.85	22.98	24	Pass
11ac-VHT20	2	13	52	5260	3.34	3.13	21.85	24	Pass
11ac-VHT20	2	13	60	5300	3.06	3.17	21.73	24	Pass
11ac-VHT20	2	13	64	5320	2.63	2.87	21.36	24	Pass
11ac-VHT20	2	13	100	5500	1.96	1.02	20.13	24	Pass
11ac-VHT20	2	13	120	5600	2.04	0.74	20.05	24	Pass
11ac-VHT20	2	13	140	5700	1.58	0.74	19.79	24	Pass
11ac-VHT20	2	13	144	5720	2.27	1.64	20.58	24	Pass
11ac-VHT40	2	27	54	5270	5.10	4.86	23.59	24	Pass
11ac-VHT40	2	27	62	5310	5.02	5.10	23.67	24	Pass
11ac-VHT40	2	27	102	5510	5.40	4.42	23.55	24	Pass
11ac-VHT40	2	27	118	5590	5.43	4.27	23.50	24	Pass
11ac-VHT40	2	27	134	5670	4.79	3.73	22.90	24	Pass
11ac-VHT40	2	27	142	5710	5.04	4.23	23.26	24	Pass
11ac-VHT80	2	58.6	58	5290	0.29	0.16	18.84	24	Pass
11ac-VHT80	2	58.6	106	5530	0.26	0.13	18.81	24	Pass

11ac-VHT80	2	58.6	122	5610	5.23	4.72	23.59	24	Pass
11ac-VHT80	2	58.6	138	5690	5.10	4.25	23.31	24	Pass

Note: Total EIRP TPC Power (dBm) = $10 \cdot \log\{10^{(\text{Ant 0 TPC Power} / 10)} + 10^{(\text{Ant 1 TPC Power} / 10)}\} + \text{Antena Gain(dBi)}$.

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum power spectral density.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Frequency Band (GHz)	Power Spectral Density Limit (dBm)			
	ANTENNA 1#	ANTENNA 2#	ANTENNA 3#	ANTENNA 4#
5.15-5.25	14.30	9.29	14.10	17.00
5.25-5.35	8.30	3.29	8.10	1.40
5.47-5.725	8.30	3.29	8.10	1.40
5.725-5.85	27.30	22.29	27.10	20.40

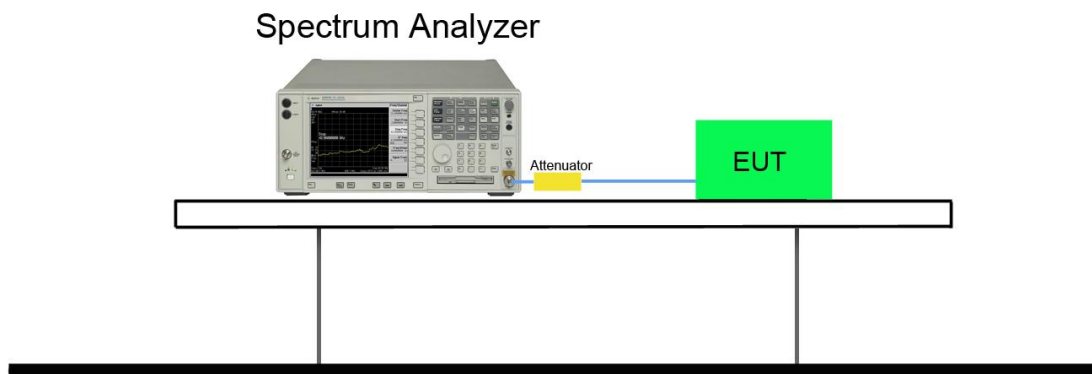
7.6.2. Test Procedure Used

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7.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,
RBW = 100 kHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (RMS)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 7$ dB to the measured result

7.6.4. Test Setup



7.6.5. Test Result

ANTENNA 1#

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ MHz)	Ant 1 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	10.13	10.21	97.1	13.31	≤ 14.30	Pass
11a	2	6	44	5220	11.39	10.48	97.1	14.10	≤ 14.30	Pass
11a	2	6	48	5240	10.82	9.70	97.1	13.43	≤ 14.30	Pass
11a	2	6	52	5260	5.04	4.68	97.1	8.00	≤ 8.30	Pass
11a	2	6	60	5300	5.25	5.02	97.1	8.27	≤ 8.30	Pass
11a	2	6	64	5320	5.09	5.03	97.1	8.20	≤ 8.30	Pass
11a	2	6	100	5500	5.23	3.93	97.1	7.76	≤ 8.30	Pass
11a	2	6	120	5600	5.39	3.81	97.1	7.81	≤ 8.30	Pass
11a	2	6	140	5700	5.43	4.12	97.1	7.96	≤ 8.30	Pass
11n-HT20	2	13	36	5180	9.86	9.78	93.6	13.12	≤ 14.30	Pass
11n-HT20	2	13	44	5220	11.04	10.38	93.6	14.02	≤ 14.30	Pass
11n-HT20	2	13	48	5240	10.82	10.36	93.6	13.89	≤ 14.30	Pass
11n-HT20	2	13	52	5260	4.88	4.53	93.6	8.00	≤ 8.30	Pass
11n-HT20	2	13	60	5300	4.65	4.34	93.6	7.79	≤ 8.30	Pass
11n-HT20	2	13	64	5320	4.90	4.81	93.6	8.15	≤ 8.30	Pass
11n-HT20	2	13	100	5500	4.00	5.23	93.6	7.96	≤ 8.30	Pass
11n-HT20	2	13	120	5600	4.43	4.04	93.6	7.54	≤ 8.30	Pass
11n-HT20	2	13	140	5700	5.14	3.77	93.6	7.80	≤ 8.30	Pass
11n-HT40	2	27	38	5190	3.81	4.26	89.6	7.53	≤ 14.30	Pass
11n-HT40	2	27	46	5230	10.29	10.33	89.6	13.79	≤ 14.30	Pass
11n-HT40	2	27	54	5270	4.20	4.56	89.6	7.87	≤ 8.30	Pass
11n-HT40	2	27	62	5310	4.73	4.73	89.6	8.22	≤ 8.30	Pass
11n-HT40	2	27	102	5510	4.60	3.43	89.6	7.54	≤ 8.30	Pass
11n-HT40	2	27	118	5590	4.50	2.62	89.6	7.15	≤ 8.30	Pass
11n-HT40	2	27	134	5670	4.74	3.61	89.6	7.70	≤ 8.30	Pass
11ac-VHT20	2	13	36	5180	10.59	9.92	94.3	13.53	≤ 14.30	Pass
11ac-VHT20	2	13	44	5220	10.95	10.02	94.3	13.78	≤ 14.30	Pass
11ac-VHT20	2	13	48	5240	10.17	9.38	94.3	13.06	≤ 14.30	Pass
11ac-VHT20	2	13	52	5260	4.75	4.75	94.3	8.01	≤ 8.30	Pass
11ac-VHT20	2	13	60	5300	4.64	4.81	94.3	7.99	≤ 8.30	Pass

11ac-VHT20	2	13	64	5320	4.41	4.45	94.3	7.69	≤ 8.30	Pass
11ac-VHT20	2	13	100	5500	5.47	4.47	94.3	8.26	≤ 8.30	Pass
11ac-VHT20	2	13	120	5600	5.42	3.58	94.3	7.87	≤ 8.30	Pass
11ac-VHT20	2	13	140	5700	5.22	3.69	94.3	7.79	≤ 8.30	Pass
11ac-VHT20	2	13	144	5720	5.07	4.14	94.3	7.89	≤ 8.30	Pass
11ac-VHT40	2	27	38	5190	4.73	5.37	89.6	8.55	≤ 14.30	Pass
11ac-VHT40	2	27	46	5230	10.19	10.29	89.6	13.73	≤ 14.30	Pass
11ac-VHT40	2	27	54	5270	4.76	4.72	89.6	8.23	≤ 8.30	Pass
11ac-VHT40	2	27	62	5310	4.75	4.49	89.6	8.11	≤ 8.30	Pass
11ac-VHT40	2	27	102	5510	5.16	4.36	89.6	8.26	≤ 8.30	Pass
11ac-VHT40	2	27	118	5590	5.40	4.10	89.6	8.29	≤ 8.30	Pass
11ac-VHT40	2	27	134	5670	5.28	3.74	89.6	8.07	≤ 8.30	Pass
11ac-VHT40	2	27	142	5710	5.06	3.91	89.6	8.01	≤ 8.30	Pass
11ac-VHT80	2	58.6	42	5210	1.05	0.84	81.8	4.83	≤ 14.30	Pass
11ac-VHT80	2	58.6	58	5290	-2.19	-2.44	81.8	1.57	≤ 8.30	Pass
11ac-VHT80	2	58.6	106	5530	-2.22	-3.33	81.8	1.14	≤ 8.30	Pass
11ac-VHT80	2	58.6	122	5610	3.90	2.71	81.8	7.23	≤ 8.30	Pass
11ac-VHT80	2	58.6	138	5690	4.45	2.58	81.8	7.50	≤ 8.30	Pass

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

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 500kHz)	Ant 1 PSD (dBm/ 500kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11a	2	6	149	5745	-0.07	0.54	97.1	7	10.37	≤ 27.30	Pass
11a	2	6	157	5785	6.26	5.60	97.1	7	16.07	≤ 27.30	Pass
11a	2	6	165	5825	5.09	5.11	97.1	7	15.23	≤ 27.30	Pass
11n-HT20	2	13	149	5745	1.02	1.38	93.6	7	11.49	≤ 27.30	Pass
11n-HT20	2	13	157	5785	5.87	5.65	93.6	7	16.05	≤ 27.30	Pass
11n-HT20	2	13	165	5825	2.64	3.29	93.6	7	13.26	≤ 27.30	Pass
11n-HT40	2	27	151	5755	-2.29	-2.86	89.6	7	7.91	≤ 27.30	Pass
11n-HT40	2	27	159	5795	2.24	2.72	89.6	7	12.96	≤ 27.30	Pass
11ac-VHT20	2	13	149	5745	1.03	1.81	94.3	7	11.69	≤ 27.30	Pass
11ac-VHT20	2	13	157	5785	5.42	5.25	94.3	7	15.59	≤ 27.30	Pass
11ac-VHT20	2	13	165	5825	5.69	4.92	94.3	7	15.58	≤ 27.30	Pass
11ac-VHT40	2	27	151	5755	-2.45	-2.44	89.6	7	8.03	≤ 27.30	Pass
11ac-VHT40	2	27	159	5795	2.10	2.09	89.6	7	12.57	≤ 27.30	Pass
11ac-VHT80	2	58.6	155	5775	-8.68	-9.08	81.8	7	2.00	≤ 27.30	Pass

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

ANTENNA 2#

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ MHz)	Ant 1 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	5.81	5.32	97.1	8.71	≤ 9.29	Pass
11a	2	6	44	5220	5.74	5.35	97.1	8.69	≤ 9.29	Pass
11a	2	6	48	5240	6.05	5.93	97.1	9.13	≤ 9.29	Pass
11a	2	6	52	5260	0.01	0.17	97.1	3.23	≤ 3.29	Pass
11a	2	6	60	5300	-0.17	-0.12	97.1	2.99	≤ 3.29	Pass
11a	2	6	64	5320	-0.42	-0.40	97.1	2.73	≤ 3.29	Pass
11a	2	6	100	5500	0.33	-0.64	97.1	3.01	≤ 3.29	Pass
11a	2	6	120	5600	0.53	-1.24	97.1	2.87	≤ 3.29	Pass
11a	2	6	140	5700	0.06	-1.09	97.1	2.66	≤ 3.29	Pass
11n-HT20	2	13	36	5180	4.67	4.28	93.6	7.78	≤ 9.29	Pass
11n-HT20	2	13	44	5220	5.46	5.23	93.6	8.64	≤ 9.29	Pass
11n-HT20	2	13	48	5240	5.71	5.46	93.6	8.88	≤ 9.29	Pass
11n-HT20	2	13	52	5260	-0.48	-0.56	93.6	2.78	≤ 3.29	Pass
11n-HT20	2	13	60	5300	-0.83	-0.29	93.6	2.75	≤ 3.29	Pass
11n-HT20	2	13	64	5320	0.01	-0.19	93.6	3.21	≤ 3.29	Pass
11n-HT20	2	13	100	5500	0.07	-1.31	93.6	2.73	≤ 3.29	Pass
11n-HT20	2	13	120	5600	0.29	-1.13	93.6	2.94	≤ 3.29	Pass
11n-HT20	2	13	140	5700	0.41	-0.69	93.6	3.19	≤ 3.29	Pass
11n-HT40	2	27	38	5190	1.62	0.69	89.6	4.67	≤ 9.29	Pass
11n-HT40	2	27	46	5230	3.02	2.68	89.6	6.34	≤ 9.29	Pass
11n-HT40	2	27	54	5270	-0.44	-0.21	89.6	3.16	≤ 3.29	Pass
11n-HT40	2	27	62	5310	-0.56	-0.81	89.6	2.80	≤ 3.29	Pass
11n-HT40	2	27	102	5510	0.20	-1.04	89.6	3.11	≤ 3.29	Pass
11n-HT40	2	27	118	5590	-0.68	-0.59	89.6	2.85	≤ 3.29	Pass
11n-HT40	2	27	134	5670	0.17	-0.77	89.6	3.21	≤ 3.29	Pass
11ac-VHT20	2	13	36	5180	4.57	3.88	94.3	7.50	≤ 9.29	Pass
11ac-VHT20	2	13	44	5220	6.02	5.63	94.3	9.09	≤ 9.29	Pass
11ac-VHT20	2	13	48	5240	6.25	5.61	94.3	9.21	≤ 9.29	Pass
11ac-VHT20	2	13	52	5260	-0.36	-0.55	94.3	2.81	≤ 3.29	Pass
11ac-VHT20	2	13	60	5300	-0.31	0.07	94.3	3.15	≤ 3.29	Pass
11ac-VHT20	2	13	64	5320	-0.23	-0.18	94.3	3.06	≤ 3.29	Pass
11ac-VHT20	2	13	100	5500	0.15	-0.42	94.3	3.14	≤ 3.29	Pass

11ac-VHT20	2	13	120	5600	0.52	-1.46	94.3	2.91	≤ 3.29	Pass
11ac-VHT20	2	13	140	5700	0.42	-0.76	94.3	3.14	≤ 3.29	Pass
11ac-VHT20	2	13	144	5720	0.32	-0.59	94.3	3.15	≤ 3.29	Pass
11ac-VHT40	2	27	38	5190	1.70	0.98	89.6	4.84	≤ 9.29	Pass
11ac-VHT40	2	27	46	5230	2.80	2.53	89.6	6.15	≤ 9.29	Pass
11ac-VHT40	2	27	54	5270	-0.17	-0.62	89.6	3.10	≤ 3.29	Pass
11ac-VHT40	2	27	62	5310	-0.66	-0.51	89.6	2.90	≤ 3.29	Pass
11ac-VHT40	2	27	102	5510	0.01	-0.97	89.6	3.03	≤ 3.29	Pass
11ac-VHT40	2	27	118	5590	0.16	-1.31	89.6	2.97	≤ 3.29	Pass
11ac-VHT40	2	27	134	5670	0.17	-0.99	89.6	3.12	≤ 3.29	Pass
11ac-VHT40	2	27	142	5710	0.01	-0.85	89.6	3.09	≤ 3.29	Pass
11ac-VHT80	2	58.6	42	5210	-7.98	-8.37	81.8	-4.29	≤ 9.29	Pass
11ac-VHT80	2	58.6	58	5290	-13.48	-13.85	81.8	-9.78	≤ 3.29	Pass
11ac-VHT80	2	58.6	106	5530	-6.68	-7.77	81.8	-3.31	≤ 3.29	Pass
11ac-VHT80	2	58.6	122	5610	-2.22	-2.80	81.8	1.38	≤ 3.29	Pass
11ac-VHT80	2	58.6	138	5690	-1.23	-2.42	81.8	2.10	≤ 3.29	Pass

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

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 500kHz)	Ant 1 PSD (dBm/ 500kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11a	2	6	149	5745	-1.56	-1.57	97.1	7	8.57	≤ 22.99	Pass
11a	2	6	157	5785	2.07	2.31	97.1	7	12.33	≤ 22.99	Pass
11a	2	6	165	5825	0.67	0.86	97.1	7	10.90	≤ 22.99	Pass
11n-HT20	2	13	149	5745	-2.83	-2.88	93.6	7	7.44	≤ 22.99	Pass
11n-HT20	2	13	157	5785	2.13	2.88	93.6	7	12.82	≤ 22.99	Pass
11n-HT20	2	13	165	5825	0.82	0.87	93.6	7	11.14	≤ 22.99	Pass
11n-HT40	2	27	151	5755	-5.66	-6.18	89.6	7	4.57	≤ 22.99	Pass
11n-HT40	2	27	159	5795	-1.18	-1.35	89.6	7	9.22	≤ 22.99	Pass
11ac-VHT20	2	13	149	5745	-1.44	-1.87	94.3	7	8.62	≤ 22.99	Pass
11ac-VHT20	2	13	157	5785	1.72	2.02	94.3	7	12.14	≤ 22.99	Pass
11ac-VHT20	2	13	165	5825	-2.08	-2.14	94.3	7	8.16	≤ 22.99	Pass
11ac-VHT40	2	27	151	5755	-6.81	-7.20	89.6	7	3.49	≤ 22.99	Pass
11ac-VHT40	2	27	159	5795	-1.08	-1.09	89.6	7	9.40	≤ 22.99	Pass
11ac-VHT80	2	58.6	155	5775	-13.89	-14.85	81.8	7	-3.46	≤ 22.99	Pass

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

ANTENNA 3#

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm /MHz)	Ant 1 PSD (dBm /MHz)	Duty Cycle (%)	Total PSD (dBm /MHz)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	-3.57	-2.92	97.1	-0.09	≤ 14.10	Pass
11a	2	6	44	5220	-3.01	-2.89	97.1	0.19	≤ 14.10	Pass
11a	2	6	48	5240	-2.77	-3.05	97.1	0.23	≤ 14.10	Pass
11a	2	6	52	5260	4.64	4.28	97.1	7.60	≤ 8.10	Pass
11a	2	6	60	5300	4.35	4.68	97.1	7.66	≤ 8.10	Pass
11a	2	6	64	5320	4.90	4.59	97.1	7.89	≤ 8.10	Pass
11a	2	6	100	5500	5.31	3.75	97.1	7.74	≤ 8.10	Pass
11a	2	6	120	5600	5.50	3.35	97.1	7.69	≤ 8.10	Pass
11a	2	6	140	5700	5.10	3.84	97.1	7.65	≤ 8.10	Pass
11n-HT20	2	13	36	5180	-3.31	-3.75	93.6	-0.23	≤ 14.10	Pass
11n-HT20	2	13	44	5220	-2.91	-2.67	93.6	0.51	≤ 14.10	Pass
11n-HT20	2	13	48	5240	-3.02	-2.93	93.6	0.32	≤ 14.10	Pass
11n-HT20	2	13	52	5260	4.85	4.66	93.6	8.05	≤ 8.10	Pass
11n-HT20	2	13	60	5300	4.43	4.35	93.6	7.69	≤ 8.10	Pass
11n-HT20	2	13	64	5320	4.18	4.34	93.6	7.56	≤ 8.10	Pass
11n-HT20	2	13	100	5500	5.09	3.50	93.6	7.66	≤ 8.10	Pass
11n-HT20	2	13	120	5600	5.29	3.71	93.6	7.87	≤ 8.10	Pass
11n-HT20	2	13	140	5700	4.89	3.72	93.6	7.64	≤ 8.10	Pass
11n-HT40	2	27	38	5190	-6.46	-6.49	89.6	-2.99	≤ 14.10	Pass
11n-HT40	2	27	46	5230	-6.54	-5.89	89.6	-2.72	≤ 14.10	Pass
11n-HT40	2	27	54	5270	3.54	3.42	89.6	6.97	≤ 8.10	Pass
11n-HT40	2	27	62	5310	2.90	2.78	89.6	6.33	≤ 8.10	Pass
11n-HT40	2	27	102	5510	4.02	2.81	89.6	6.94	≤ 8.10	Pass
11n-HT40	2	27	118	5590	4.44	3.20	89.6	7.35	≤ 8.10	Pass
11n-HT40	2	27	134	5670	4.92	3.37	89.6	7.70	≤ 8.10	Pass
11ac-VHT20	2	13	36	5180	-2.83	-3.14	94.3	0.28	≤ 14.10	Pass
11ac-VHT20	2	13	44	5220	-3.08	-2.97	94.3	0.24	≤ 14.10	Pass
11ac-VHT20	2	13	48	5240	-3.11	-2.91	94.3	0.26	≤ 14.10	Pass
11ac-VHT20	2	13	52	5260	4.66	4.51	94.3	7.85	≤ 8.10	Pass
11ac-VHT20	2	13	60	5300	4.48	4.35	94.3	7.68	≤ 8.10	Pass
11ac-VHT20	2	13	64	5320	4.09	4.32	94.3	7.47	≤ 8.10	Pass
11ac-VHT20	2	13	100	5500	4.74	3.42	94.3	7.40	≤ 8.10	Pass

11ac-VHT20	2	13	120	5600	5.27	3.54	94.3	7.76	≤ 8.10	Pass
11ac-VHT20	2	13	140	5700	5.00	4.03	94.3	7.81	≤ 8.10	Pass
11ac-VHT20	2	13	144	5720	4.71	4.01	94.3	7.64	≤ 8.10	Pass
11ac-VHT40	2	27	38	5190	-6.51	-6.52	89.6	-3.03	≤ 14.10	Pass
11ac-VHT40	2	27	46	5230	-6.88	-6.09	89.6	-2.98	≤ 14.10	Pass
11ac-VHT40	2	27	54	5270	3.96	3.35	89.6	7.15	≤ 8.10	Pass
11ac-VHT40	2	27	62	5310	3.02	2.95	89.6	6.47	≤ 8.10	Pass
11ac-VHT40	2	27	102	5510	4.31	2.84	89.6	7.12	≤ 8.10	Pass
11ac-VHT40	2	27	118	5590	4.64	3.32	89.6	7.52	≤ 8.10	Pass
11ac-VHT40	2	27	134	5670	4.96	3.60	89.6	7.82	≤ 8.10	Pass
11ac-VHT40	2	27	142	5710	5.13	3.79	89.6	8.00	≤ 8.10	Pass
11ac-VHT80	2	58.6	42	5210	-9.87	-9.10	81.8	-5.59	≤ 14.10	Pass
11ac-VHT80	2	58.6	58	5290	-5.64	-5.59	81.8	-1.73	≤ 8.10	Pass
11ac-VHT80	2	58.6	106	5530	-4.71	-5.66	81.8	-1.28	≤ 8.10	Pass
11ac-VHT80	2	58.6	122	5610	4.24	3.35	81.8	7.70	≤ 8.10	Pass
11ac-VHT80	2	58.6	138	5690	4.51	3.23	81.8	7.80	≤ 8.10	Pass

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

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 500kHz)	Ant 1 PSD (dBm/ 500kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11a	2	6	149	5745	-0.12	0.32	97.1	7	10.24	≤ 27.10	Pass
11a	2	6	157	5785	3.73	3.16	97.1	7	13.59	≤ 27.10	Pass
11a	2	6	165	5825	3.06	3.37	97.1	7	13.36	≤ 27.10	Pass
11n-HT20	2	13	149	5745	-0.29	0.81	93.6	7	10.59	≤ 27.10	Pass
11n-HT20	2	13	157	5785	3.16	2.65	93.6	7	13.21	≤ 27.10	Pass
11n-HT20	2	13	165	5825	3.56	2.85	93.6	7	13.52	≤ 27.10	Pass
11n-HT40	2	27	151	5755	-4.84	-5.21	89.6	7	5.47	≤ 27.10	Pass
11n-HT40	2	27	159	5795	0.31	0.03	89.6	7	10.66	≤ 27.10	Pass
11ac-VHT20	2	13	149	5745	-0.37	-0.16	94.3	7	10.00	≤ 27.10	Pass
11ac-VHT20	2	13	157	5785	3.05	2.44	94.3	7	13.02	≤ 27.10	Pass
11ac-VHT20	2	13	165	5825	2.30	3.40	94.3	7	13.15	≤ 27.10	Pass
11ac-VHT40	2	27	151	5755	-5.75	-5.86	89.6	7	4.68	≤ 27.10	Pass
11ac-VHT40	2	27	159	5795	0.36	-0.18	89.6	7	10.59	≤ 27.10	Pass
11ac-VHT80	2	58.6	155	5775	-12.88	-13.10	81.8	7	-2.11	≤ 27.10	Pass

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

ANTENNA 4#

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm /MHz)	Ant 1 PSD (dBm /MHz)	Duty Cycle (%)	Total PSD (dBm /MHz)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	1.63	0.98	97.1	4.46	≤ 17.00	Pass
11a	2	6	44	5220	8.68	8.01	97.1	11.50	≤ 17.00	Pass
11a	2	6	48	5240	11.23	10.95	97.1	14.23	≤ 17.00	Pass
11a	2	6	52	5260	-1.92	-1.95	97.1	1.20	≤ 1.40	Pass
11a	2	6	60	5300	-2.06	-2.24	97.1	0.99	≤ 1.40	Pass
11a	2	6	64	5320	-2.07	-2.27	97.1	0.97	≤ 1.40	Pass
11a	2	6	100	5500	-1.63	-2.93	97.1	0.91	≤ 1.40	Pass
11a	2	6	120	5600	-1.68	-3.17	97.1	0.78	≤ 1.40	Pass
11a	2	6	140	5700	-1.70	-2.79	97.1	0.93	≤ 1.40	Pass
11n-HT20	2	13	36	5180	2.15	1.74	93.6	5.25	≤ 17.00	Pass
11n-HT20	2	13	44	5220	7.86	7.70	93.6	11.08	≤ 17.00	Pass
11n-HT20	2	13	48	5240	10.58	10.27	93.6	13.73	≤ 17.00	Pass
11n-HT20	2	13	52	5260	-2.38	-2.47	93.6	0.87	≤ 1.40	Pass
11n-HT20	2	13	60	5300	-2.23	-2.33	93.6	1.02	≤ 1.40	Pass
11n-HT20	2	13	64	5320	-2.34	-2.27	93.6	0.99	≤ 1.40	Pass
11n-HT20	2	13	100	5500	-1.57	-2.80	93.6	1.16	≤ 1.40	Pass
11n-HT20	2	13	120	5600	-1.56	-3.19	93.6	1.00	≤ 1.40	Pass
11n-HT20	2	13	140	5700	-1.81	-2.57	93.6	1.12	≤ 1.40	Pass
11n-HT40	2	27	38	5190	-1.75	-2.19	89.6	1.52	≤ 17.00	Pass
11n-HT40	2	27	46	5230	4.49	3.84	89.6	7.66	≤ 17.00	Pass
11n-HT40	2	27	54	5270	-2.76	-3.33	89.6	0.45	≤ 1.40	Pass
11n-HT40	2	27	62	5310	-3.25	-3.81	89.6	-0.03	≤ 1.40	Pass
11n-HT40	2	27	102	5510	-3.16	-3.89	89.6	-0.02	≤ 1.40	Pass
11n-HT40	2	27	118	5590	-2.60	-3.76	89.6	0.35	≤ 1.40	Pass
11n-HT40	2	27	134	5670	-2.99	-3.69	89.6	0.16	≤ 1.40	Pass
11ac-VHT20	2	13	36	5180	2.58	1.86	94.3	5.50	≤ 17.00	Pass
11ac-VHT20	2	13	44	5220	8.45	8.15	94.3	11.57	≤ 17.00	Pass
11ac-VHT20	2	13	48	5240	10.88	10.64	94.3	14.03	≤ 17.00	Pass
11ac-VHT20	2	13	52	5260	-2.16	-2.69	94.3	0.85	≤ 1.40	Pass
11ac-VHT20	2	13	60	5300	-2.61	-2.44	94.3	0.74	≤ 1.40	Pass
11ac-VHT20	2	13	64	5320	-2.34	-2.65	94.3	0.77	≤ 1.40	Pass
11ac-VHT20	2	13	100	5500	-1.65	-2.81	94.3	1.07	≤ 1.40	Pass

11ac-VHT20	2	13	120	5600	-1.53	-3.18	94.3	0.99	≤ 1.40	Pass
11ac-VHT20	2	13	140	5700	-1.69	-2.75	94.3	1.08	≤ 1.40	Pass
11ac-VHT20	2	13	144	5720	-1.73	-2.60	94.3	1.12	≤ 1.40	Pass
11ac-VHT40	2	27	38	5190	-1.56	-2.46	89.6	1.50	≤ 17.00	Pass
11ac-VHT40	2	27	46	5230	5.03	4.29	89.6	8.16	≤ 17.00	Pass
11ac-VHT40	2	27	54	5270	-3.01	-3.06	89.6	0.45	≤ 1.40	Pass
11ac-VHT40	2	27	62	5310	-3.48	-3.35	89.6	0.07	≤ 1.40	Pass
11ac-VHT40	2	27	102	5510	-2.92	-3.41	89.6	0.33	≤ 1.40	Pass
11ac-VHT40	2	27	118	5590	-2.74	-4.13	89.6	0.11	≤ 1.40	Pass
11ac-VHT40	2	27	134	5670	-3.03	-4.27	89.6	-0.12	≤ 1.40	Pass
11ac-VHT40	2	27	142	5710	-2.40	-4.04	89.6	0.34	≤ 1.40	Pass
11ac-VHT80	2	58.6	42	5210	-13.20	-13.35	81.8	-9.39	≤ 17.00	Pass
11ac-VHT80	2	58.6	58	5290	-13.77	-13.59	81.8	-9.80	≤ 1.40	Pass
11ac-VHT80	2	58.6	106	5530	-12.45	-13.86	81.8	-9.22	≤ 1.40	Pass
11ac-VHT80	2	58.6	122	5610	-5.43	-6.51	81.8	-2.05	≤ 1.40	Pass
11ac-VHT80	2	58.6	138	5690	-5.71	-6.77	81.8	-2.32	≤ 1.40	Pass

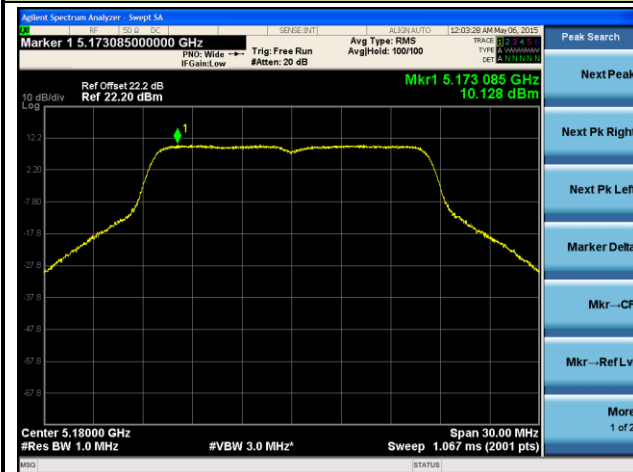
Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$.

Test Mode	N _{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 500kHz)	Ant 1 PSD (dBm/ 500kHz)	Duty Cycle (%)	Constant Factor	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11a	2	6	149	5745	-0.98	-0.98	97.1	7	9.16	≤ 20.40	Pass
11a	2	6	157	5785	4.74	4.81	97.1	7	14.91	≤ 20.40	Pass
11a	2	6	165	5825	2.71	2.53	97.1	7	12.76	≤ 20.40	Pass
11n-HT20	2	13	149	5745	-1.77	-2.16	93.6	7	8.34	≤ 20.40	Pass
11n-HT20	2	13	157	5785	4.29	5.10	93.6	7	15.01	≤ 20.40	Pass
11n-HT20	2	13	165	5825	1.96	1.18	93.6	7	11.89	≤ 20.40	Pass
11n-HT40	2	27	151	5755	-7.40	-8.60	89.6	7	2.53	≤ 20.40	Pass
11n-HT40	2	27	159	5795	1.69	1.44	89.6	7	12.05	≤ 20.40	Pass
11ac-VHT20	2	13	149	5745	-2.39	-1.95	94.3	7	8.10	≤ 20.40	Pass
11ac-VHT20	2	13	157	5785	4.18	4.98	94.3	7	14.86	≤ 20.40	Pass
11ac-VHT20	2	13	165	5825	2.35	1.69	94.3	7	12.30	≤ 20.40	Pass
11ac-VHT40	2	27	151	5755	-7.30	-8.01	89.6	7	2.85	≤ 20.40	Pass
11ac-VHT40	2	27	159	5795	0.71	1.55	89.6	7	11.63	≤ 20.40	Pass
11ac-VHT80	2	58.6	155	5775	-14.29	-15.36	81.8	7	-3.91	≤ 20.40	Pass

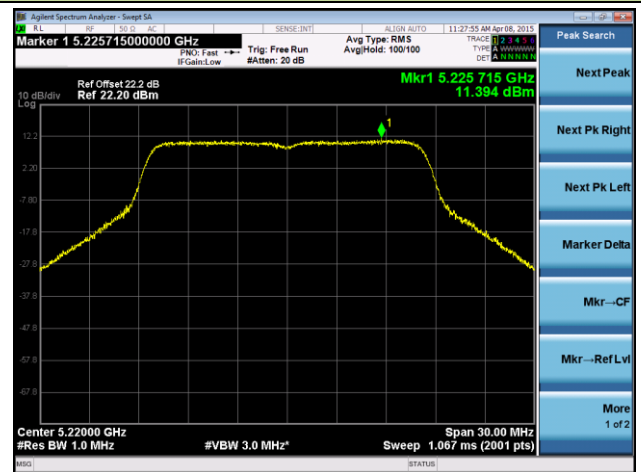
Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle}) + \text{Constant Factor}$.

ANTENNA 1# - 802.11a Power Spectral Density - Ant 0 / Ant 0 + 1

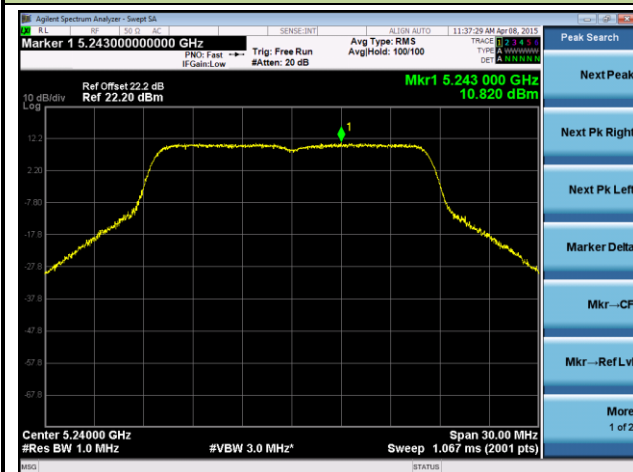
Channel 36 (5180MHz)



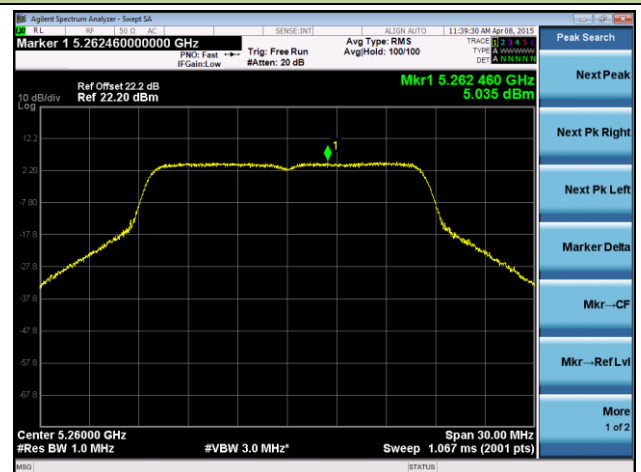
Channel 44 (5220MHz)



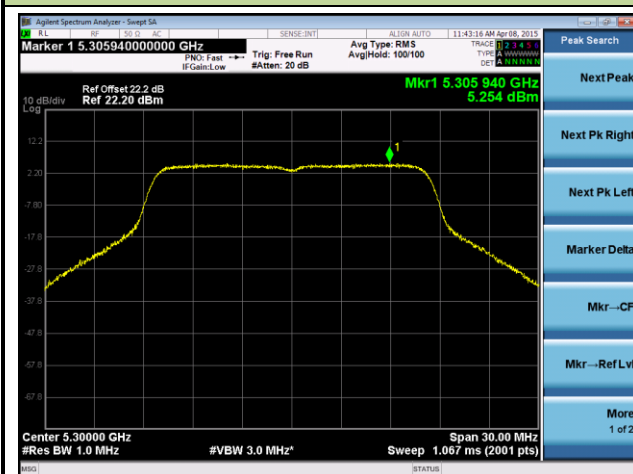
Channel 48 (5240MHz)



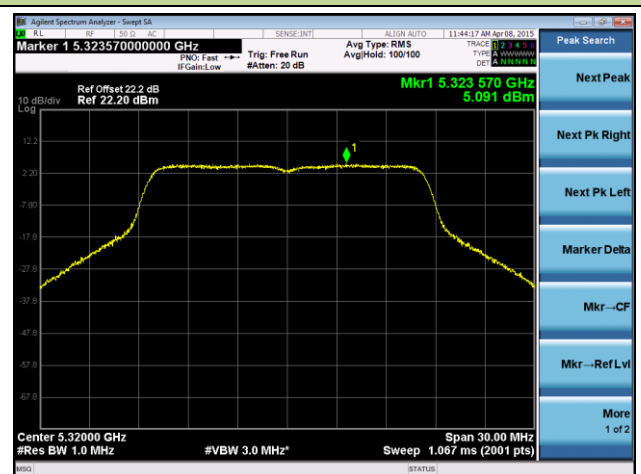
Channel 52 (5260MHz)



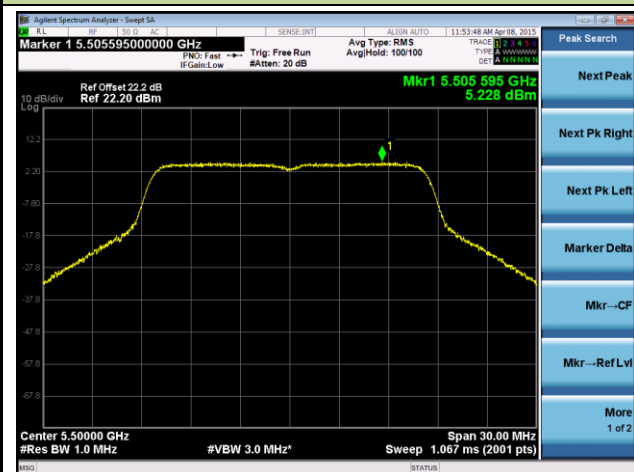
Channel 60 (5300MHz)



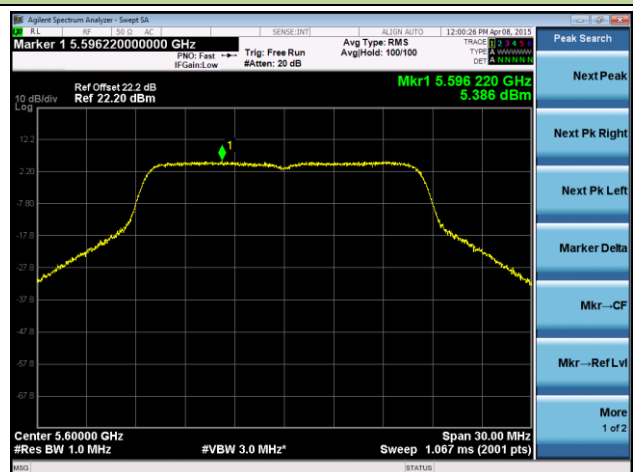
Channel 64 (5320MHz)



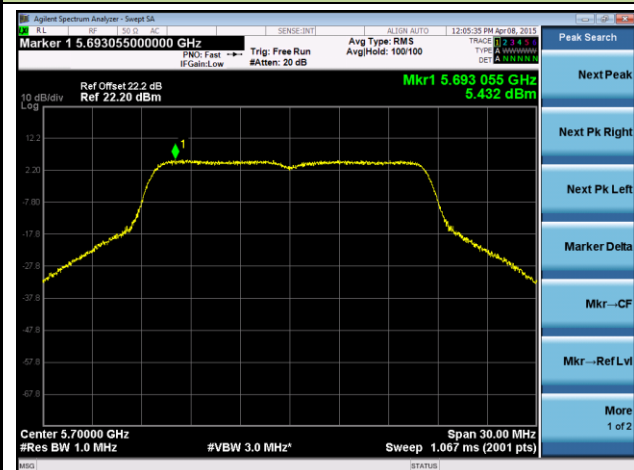
Channel 100 (5500MHz)



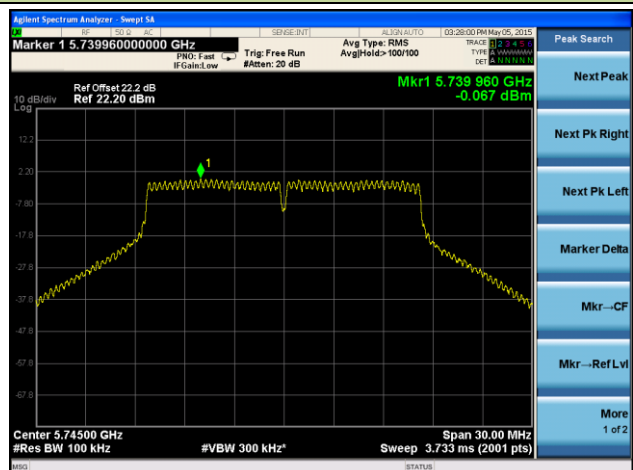
Channel 120 (5600MHz)



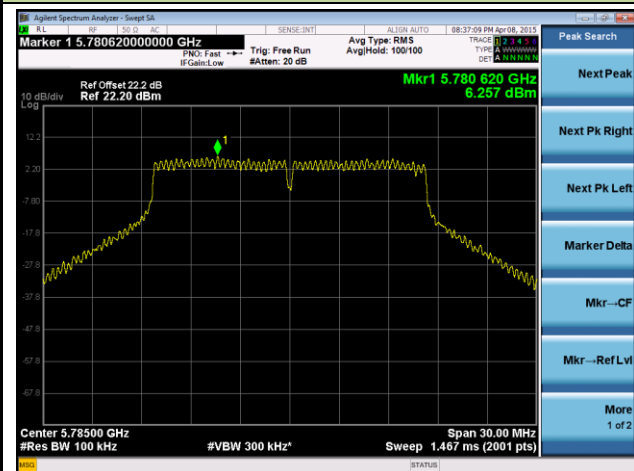
Channel 140 (5700MHz)



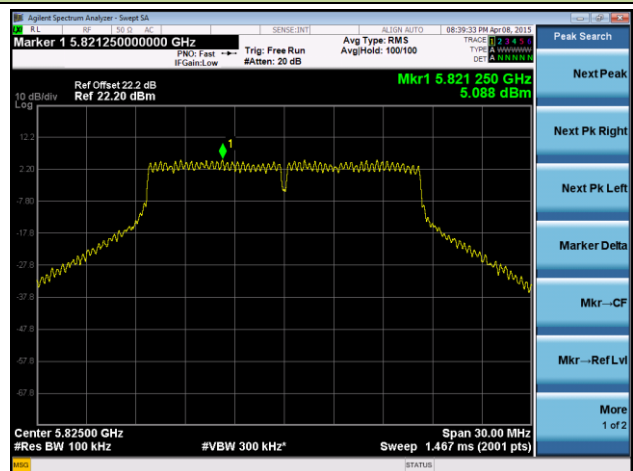
Channel 149 (5745MHz)



Channel 157 (5785MHz)

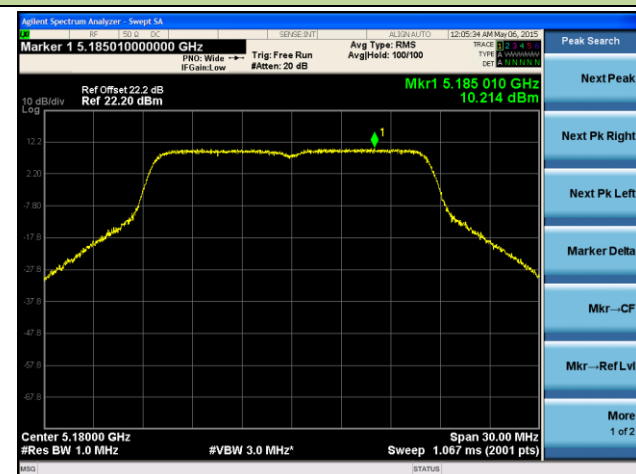


Channel 165 (5825MHz)

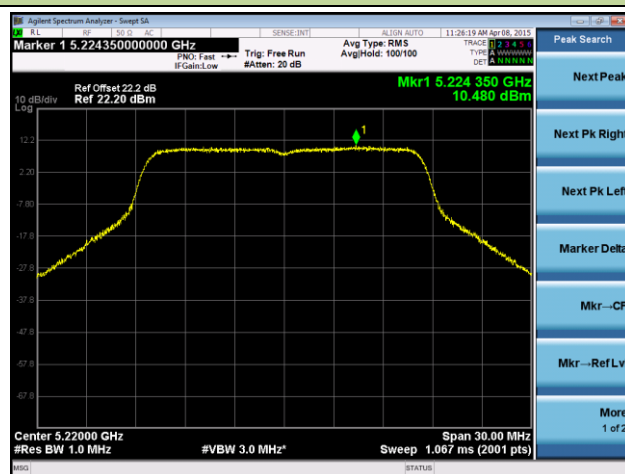


ANTENNA 1# - 802.11a Power Spectral Density - Ant 1 / Ant 0 + 1

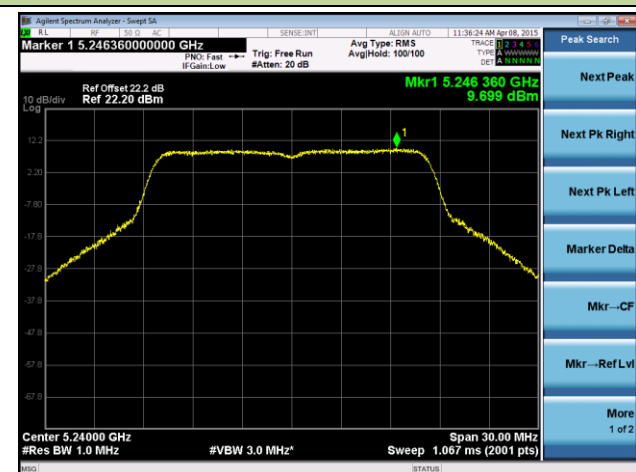
Channel 36 (5180MHz)



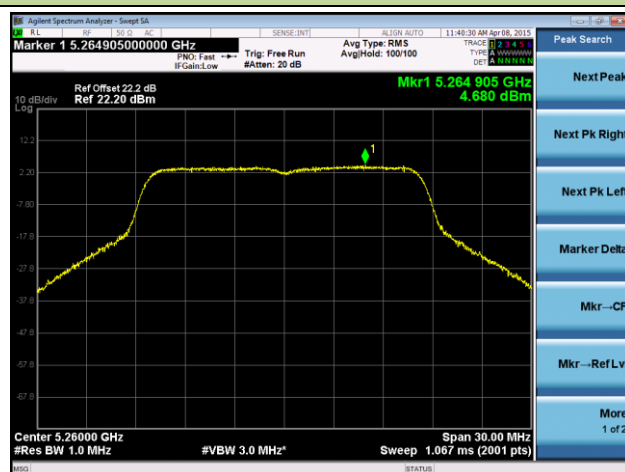
Channel 44 (5220MHz)



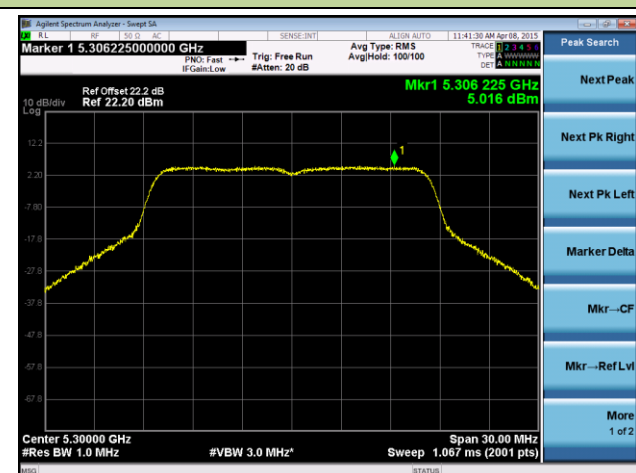
Channel 48 (5240MHz)



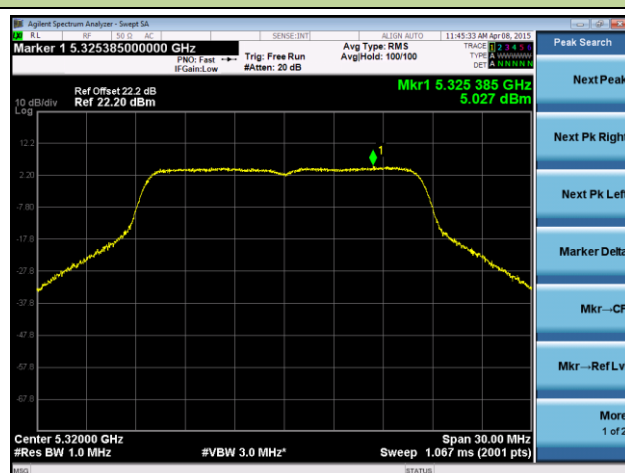
Channel 52 (5260MHz)



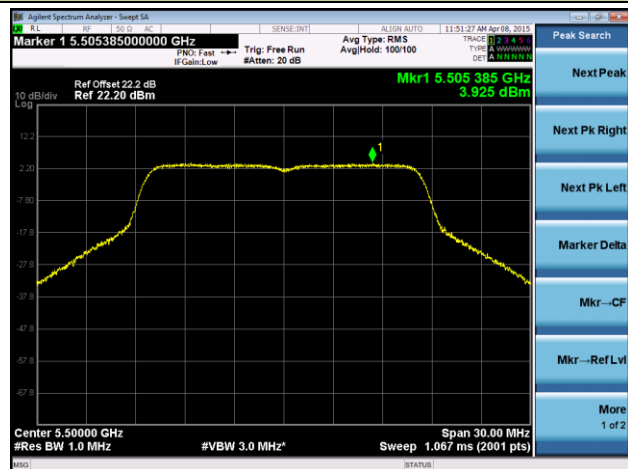
Channel 60 (5300MHz)



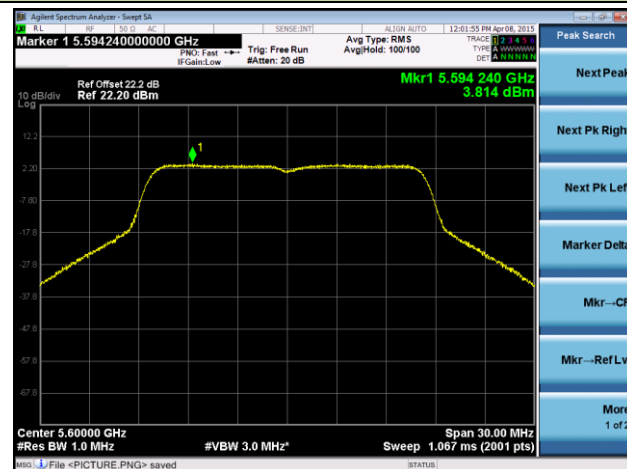
Channel 64 (5320MHz)



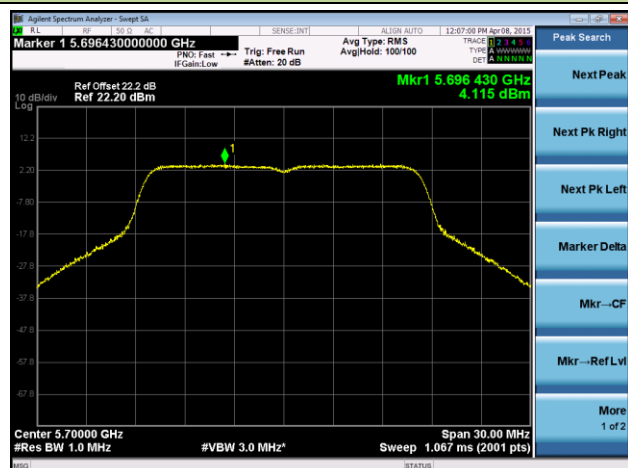
Channel 100 (5500MHz)



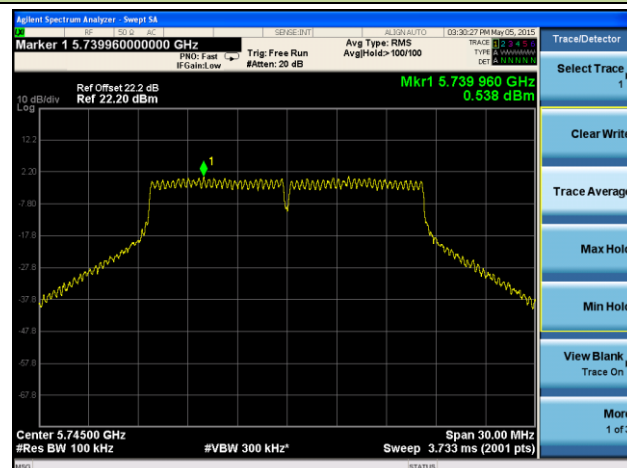
Channel 120 (5600MHz)



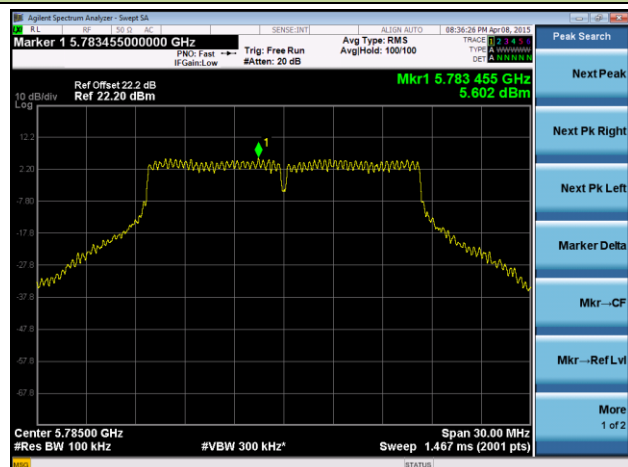
Channel 140 (5700MHz)



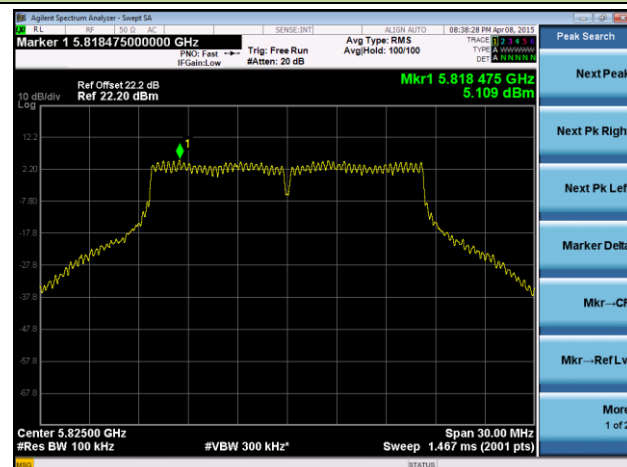
Channel 149 (5745MHz)



Channel 157 (5785MHz)

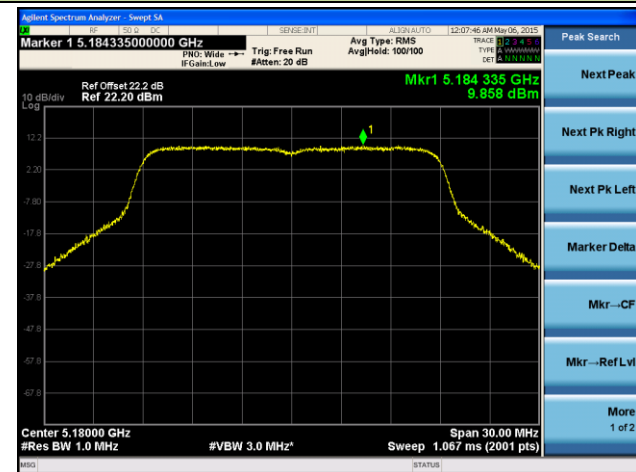


Channel 165 (5825MHz)

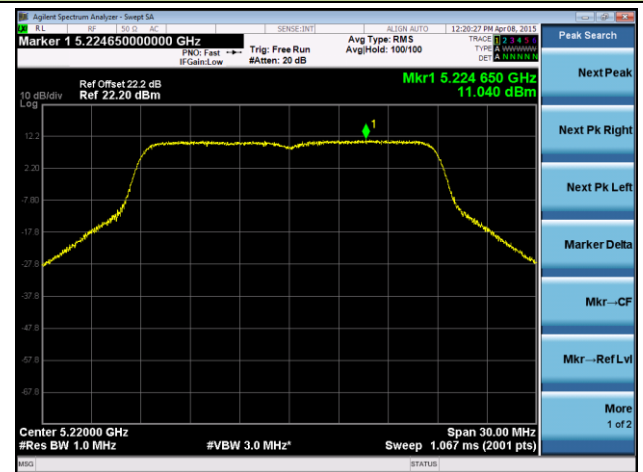


ANTENNA 1# - 802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1

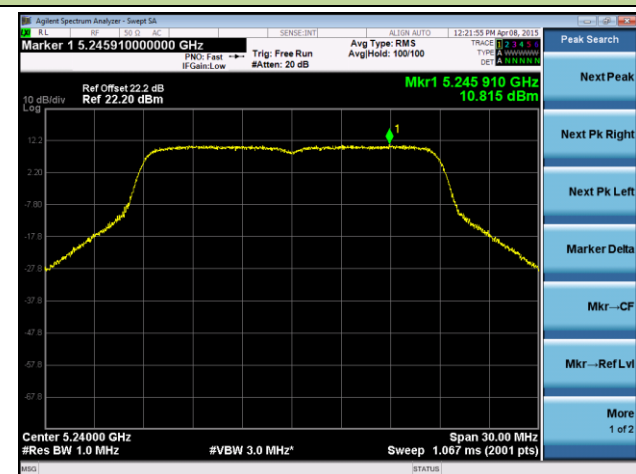
Channel 36 (5180MHz)



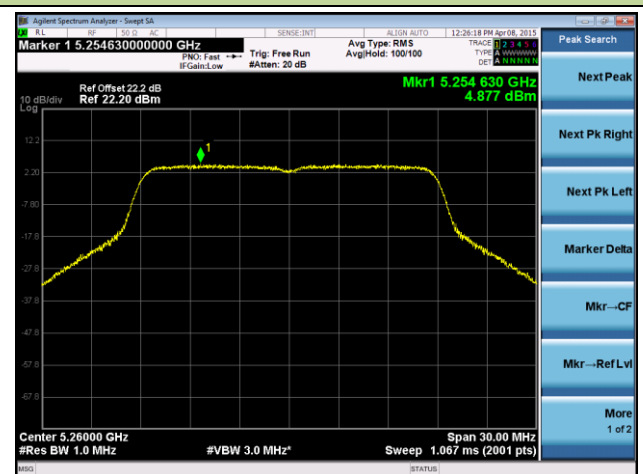
Channel 44 (5220MHz)



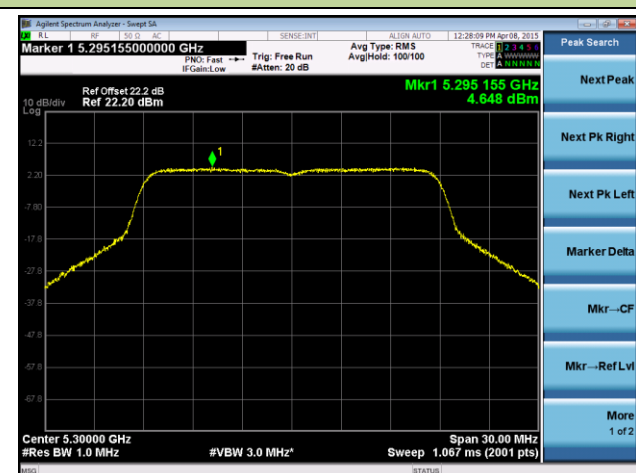
Channel 48 (5240MHz)



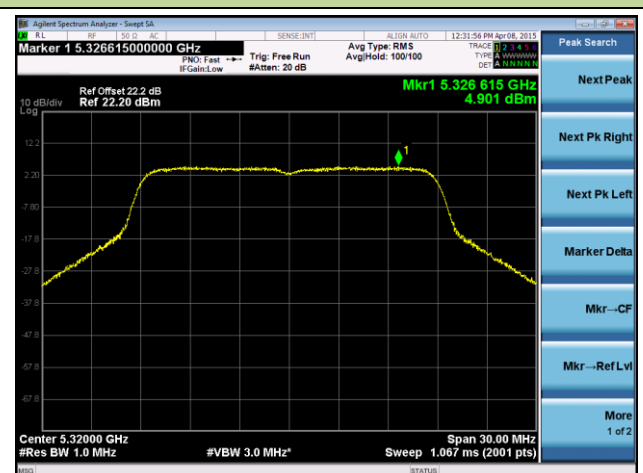
Channel 52 (5260MHz)



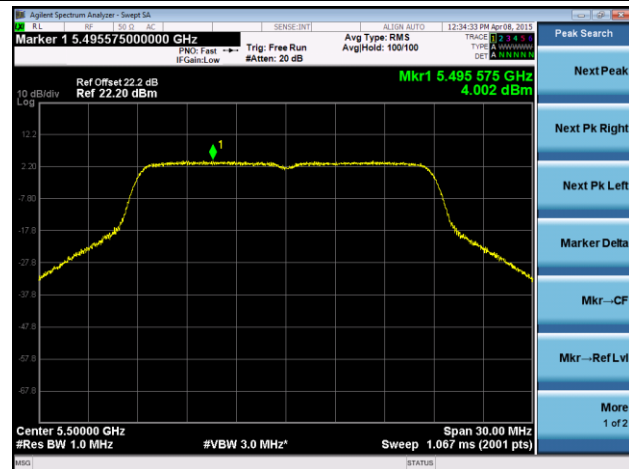
Channel 60 (5300MHz)



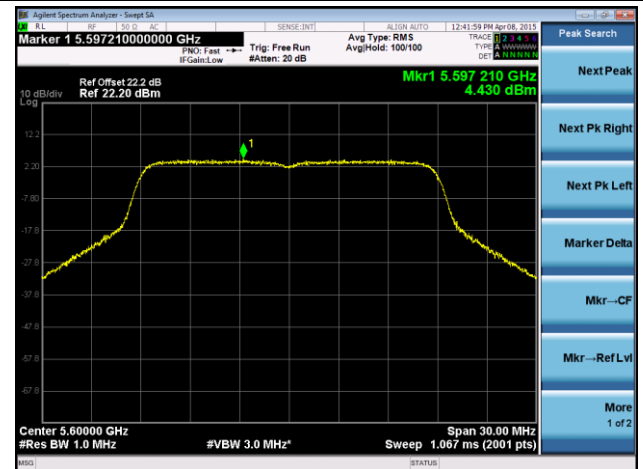
Channel 64 (5320MHz)



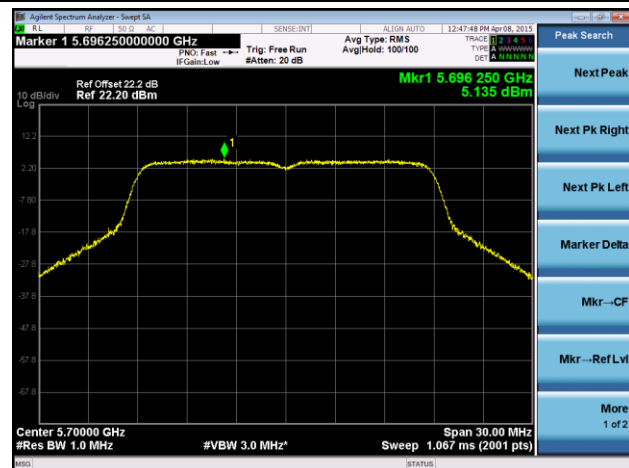
Channel 100 (5500MHz)



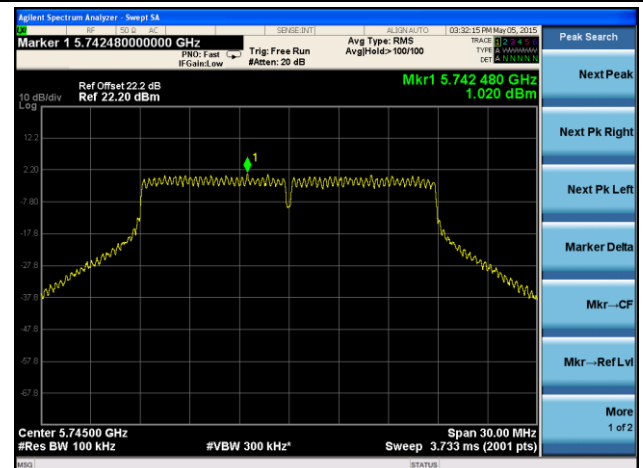
Channel 120 (5600MHz)



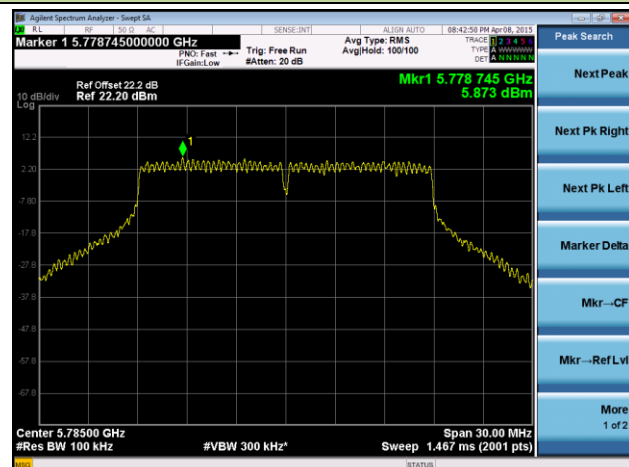
Channel 140 (5700MHz)



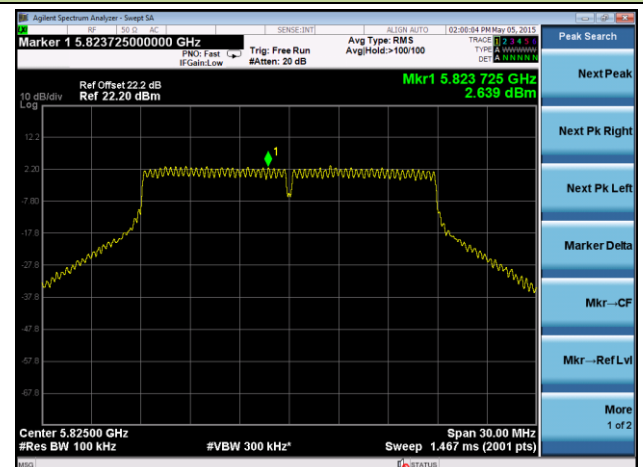
Channel 149 (5745MHz)



Channel 157 (5785MHz)

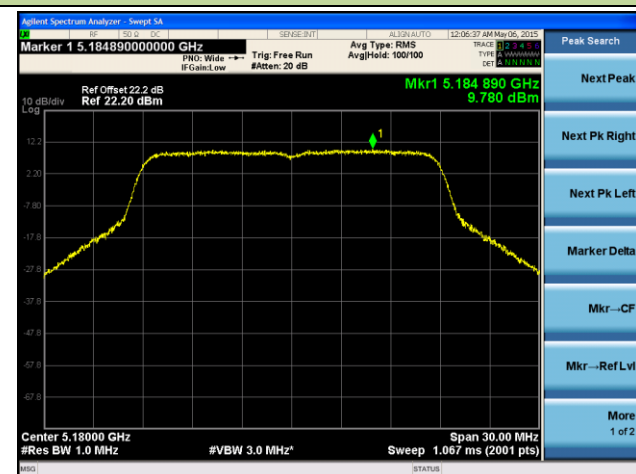


Channel 165 (5825MHz)

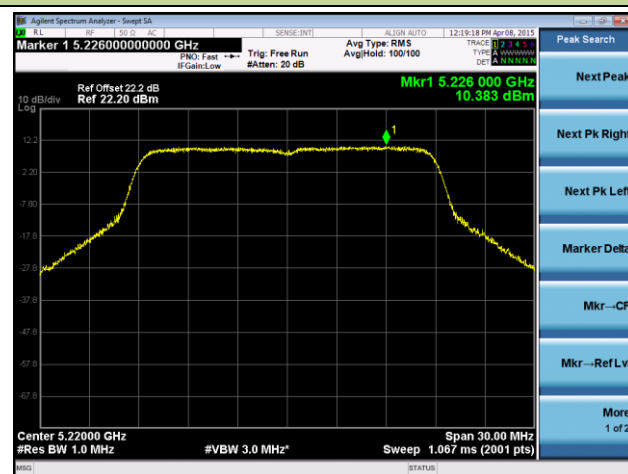


ANTENNA 1# - 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

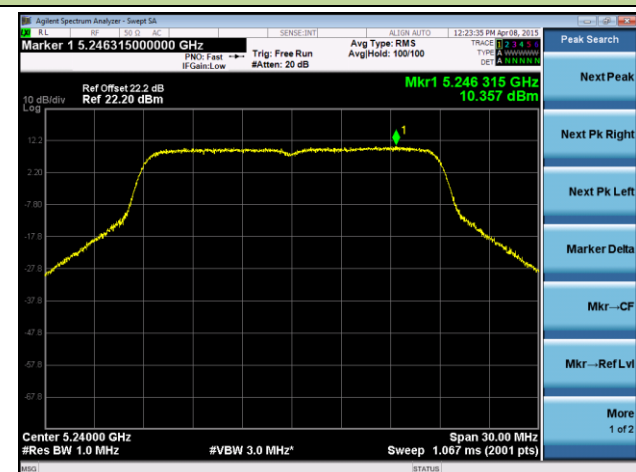
Channel 36 (5180MHz)



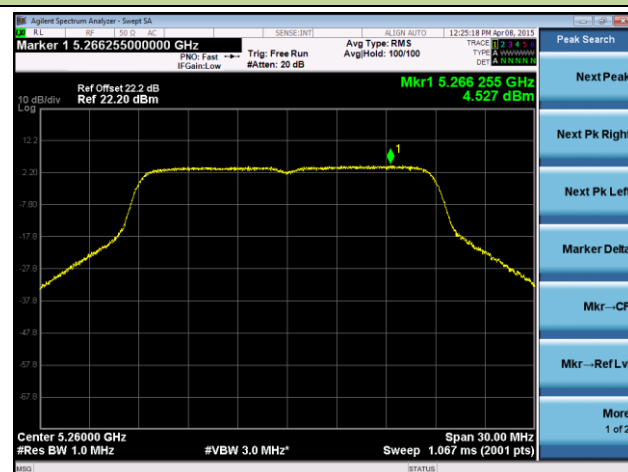
Channel 44 (5220MHz)



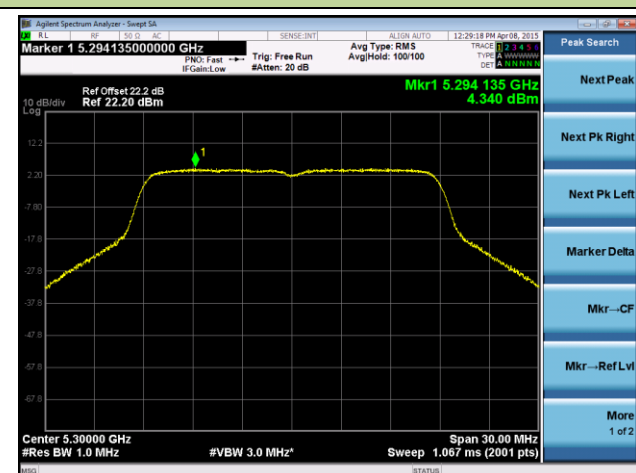
Channel 48 (5240MHz)



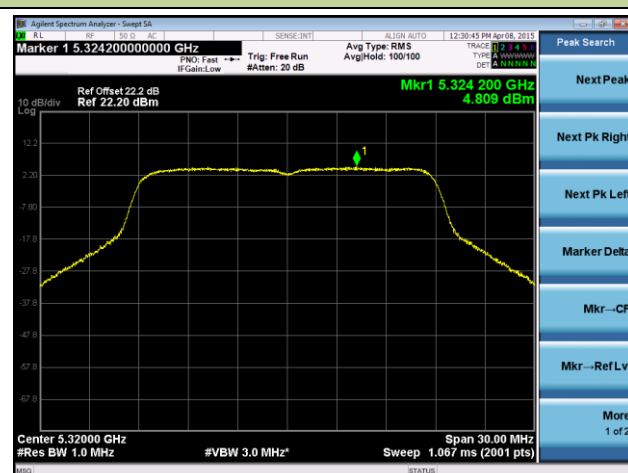
Channel 52 (5260MHz)



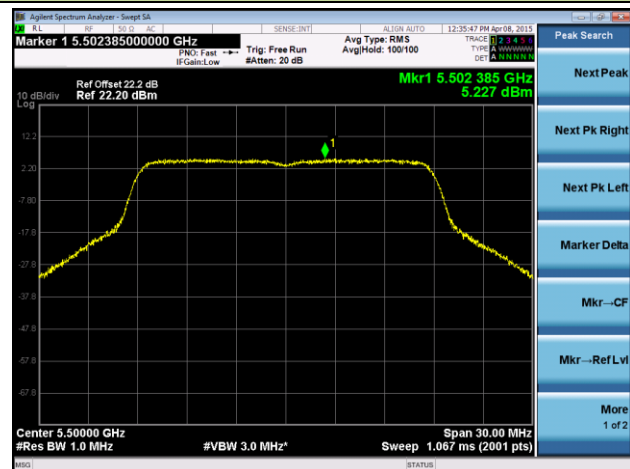
Channel 60 (5300MHz)



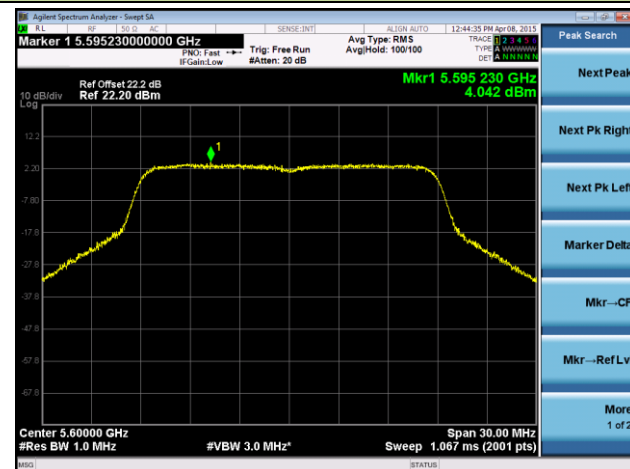
Channel 64 (5320MHz)



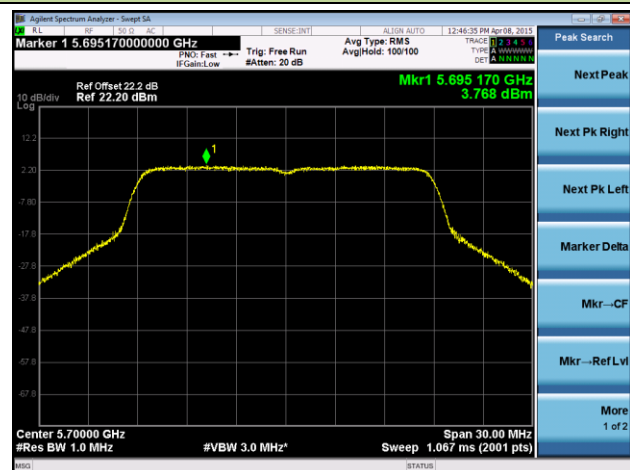
Channel 100 (5500MHz)



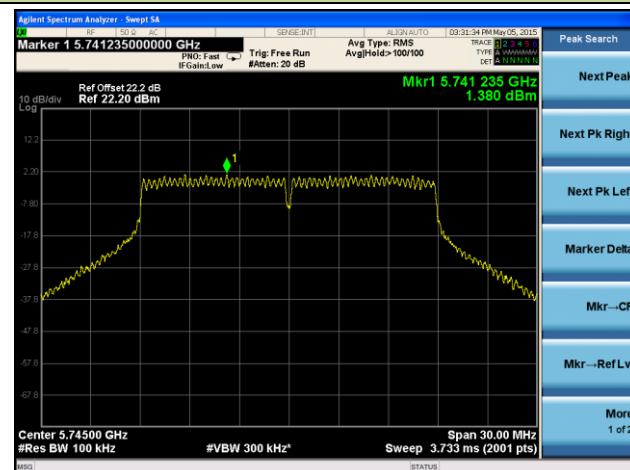
Channel 120 (5600MHz)



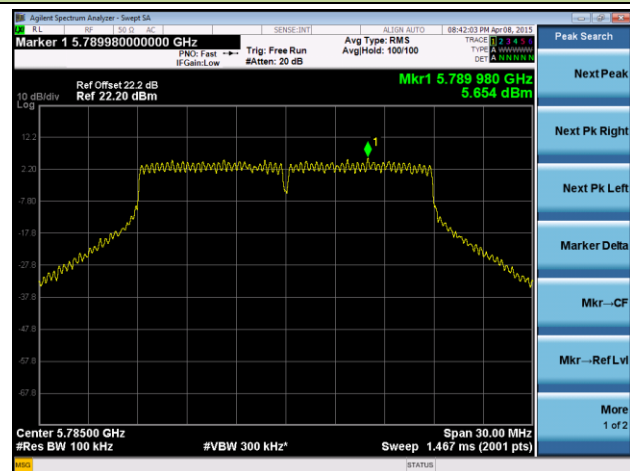
Channel 140 (5700MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

