

802.11n_HT40 (UNII 2A)**TEST RESULTS****Conducted Output Power Measurements (802.11n_HT40 Mode: 5270~5310)**

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	8.62	0.61	9.24	23.98
		1	8.21	1.09	9.30	23.98
		2	7.84	1.48	9.32	23.98
		3	7.96	1.80	9.76	23.98
		4	7.40	2.30	9.70	23.98
		5	6.60	2.72	9.32	23.98
		6	6.60	2.86	9.46	23.98
		7	6.35	3.03	9.37	23.98
5310	62	0	8.92	0.61	9.53	23.98
		1	8.13	1.09	9.23	23.98
		2	7.70	1.48	9.19	23.98
		3	7.80	1.80	9.59	23.98
		4	7.36	2.30	9.66	23.98
		5	6.75	2.72	9.46	23.98
		6	6.86	2.86	9.72	23.98
		7	6.33	3.03	9.35	23.98

802.11n_HT40 (UNII 2C)**TEST RESULTS****Conducted Output Power Measurements (802.11n_HT40 Mode: 5510~5710)**

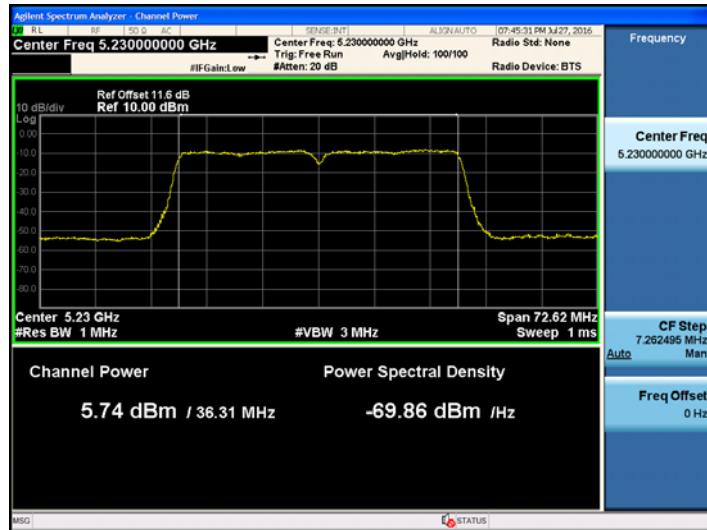
802.11n HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	6.75	0.61	7.36	23.98
		1	6.13	1.09	7.22	23.98
		2	5.81	1.48	7.29	23.98
		3	5.56	1.80	7.36	23.98
		4	5.03	2.30	7.33	23.98
		5	4.61	2.72	7.32	23.98
		6	4.44	2.86	7.29	23.98
		7	4.25	3.03	7.27	23.98
5550	110	0	6.52	0.61	7.13	23.98
		1	6.19	1.09	7.28	23.98
		2	5.70	1.48	7.18	23.98
		3	5.34	1.80	7.14	23.98
		4	4.96	2.30	7.26	23.98
		5	4.59	2.72	7.31	23.98
		6	4.50	2.86	7.36	23.98
		7	4.25	3.03	7.27	23.98
5710	142	0	7.18	0.61	7.79	23.98
		1	6.52	1.09	7.61	23.98
		2	6.19	1.48	7.67	23.98
		3	5.97	1.80	7.77	23.98
		4	5.50	2.30	7.80	23.98
		5	5.05	2.72	7.76	23.98
		6	4.87	2.86	7.73	23.98
		7	4.67	3.03	7.70	23.98

802.11n_HT40 (UNII 3)**TEST RESULTS****Conducted Output Power Measurements (802.11n_HT40 Mode: 5755~5795)**

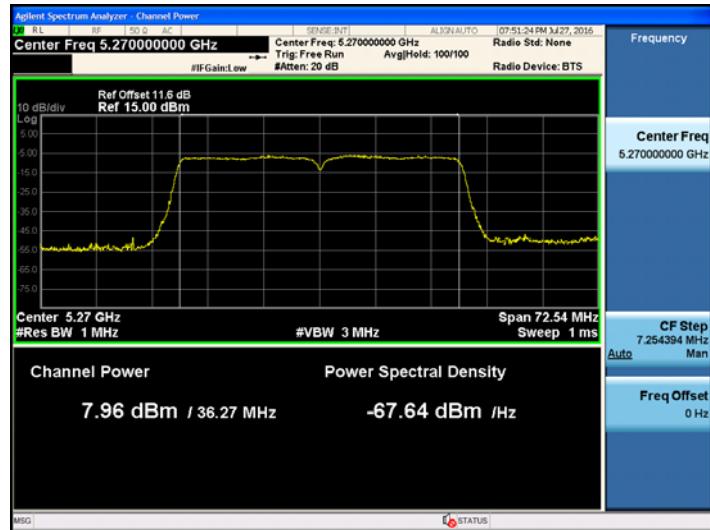
802.11n HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	6.46	0.61	7.07	30
		1	6.06	1.09	7.16	30
		2	5.49	1.48	6.97	30
		3	5.28	1.80	7.08	30
		4	4.88	2.30	7.18	30
		5	4.47	2.72	7.19	30
		6	4.52	2.86	7.38	30
		7	3.98	3.03	7.01	30
5795	159	0	6.70	0.61	7.32	30
		1	6.23	1.09	7.32	30
		2	5.99	1.48	7.47	30
		3	5.74	1.80	7.54	30
		4	5.25	2.30	7.55	30
		5	4.79	2.72	7.51	30
		6	4.55	2.86	7.41	30
		7	4.47	3.03	7.50	30

TEST Plot _802.11n_HT40

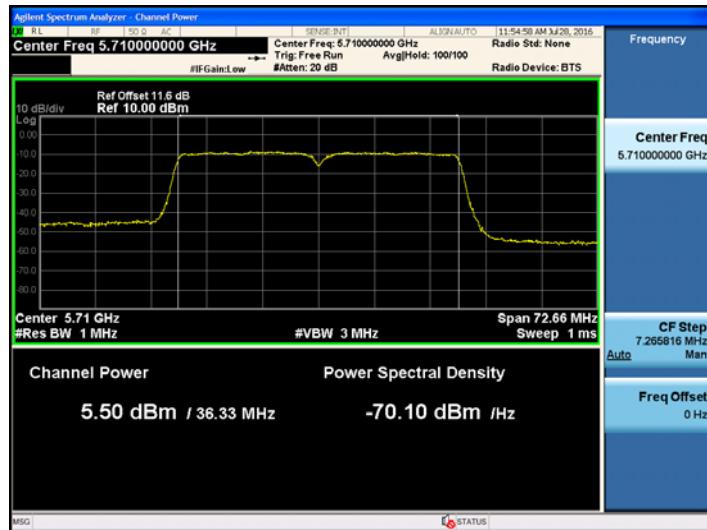
802.11n_HT40 UNII 1 BAND Average Power
(5190 MHz ~5230 MHz) CH 46 MCS5



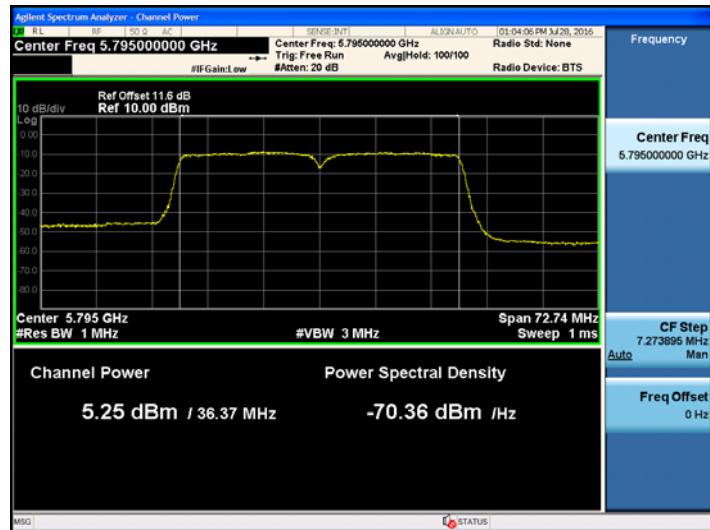
802.11n_HT40 UNII 2A BAND Average Power
(5270 MHz ~5310 MHz) CH 54 MCS3



802.11n_HT40 UNII 2C BAND Average Power
(5510 MHz ~5710 MHz) CH 142 MCS4



802.11n_HT40 UNII 3 BAND Average Power
(5755 MHz ~5795 MHz) CH 151 MCS4



802.11ac_VHT40 (UNII 1)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT40 Mode: 5190~5230)**

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	7.66	0.61	8.27	23.98
		1	7.05	1.08	8.13	23.98
		2	6.73	1.46	8.19	23.98
		3	6.50	1.77	8.27	23.98
		4	5.88	2.26	8.14	23.98
		5	5.68	2.65	8.33	23.98
		6	5.49	2.79	8.29	23.98
		7	5.24	2.95	8.20	23.98
		8	5.12	3.13	8.25	23.98
		9	4.97	3.30	8.28	23.98
5230	46	0	7.64	0.61	8.25	23.98
		1	7.19	1.08	8.27	23.98
		2	6.73	1.46	8.19	23.98
		3	6.42	1.77	8.20	23.98
		4	5.95	2.26	8.21	23.98
		5	5.63	2.65	8.28	23.98
		6	5.51	2.79	8.30	23.98
		7	5.30	2.95	8.26	23.98
		8	5.10	3.13	8.23	23.98
		9	4.99	3.30	8.30	23.98

802.11ac_VHT40 (UNII 2A)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT40 Mode: 5270~5310)**

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	8.70	0.61	9.32	23.98
		1	8.37	1.08	9.45	23.98
		2	7.99	1.46	9.46	23.98
		3	7.60	1.77	9.37	23.98
		4	7.10	2.26	9.37	23.98
		5	6.71	2.65	9.36	23.98
		6	6.55	2.79	9.35	23.98
		7	6.46	2.95	9.42	23.98
		8	6.20	3.13	9.33	23.98
		9	6.05	3.30	9.35	23.98
5310	62	0	8.90	0.61	9.52	23.98
		1	8.09	1.08	9.17	23.98
		2	7.79	1.46	9.25	23.98
		3	7.78	1.77	9.56	23.98
		4	7.29	2.26	9.55	23.98
		5	6.92	2.65	9.58	23.98
		6	6.77	2.79	9.56	23.98
		7	6.62	2.95	9.58	23.98
		8	6.56	3.13	9.69	23.98
		9	6.24	3.30	9.54	23.98

802.11ac_VHT40 (UNII 2C)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT40 Mode: 5510~5710)**

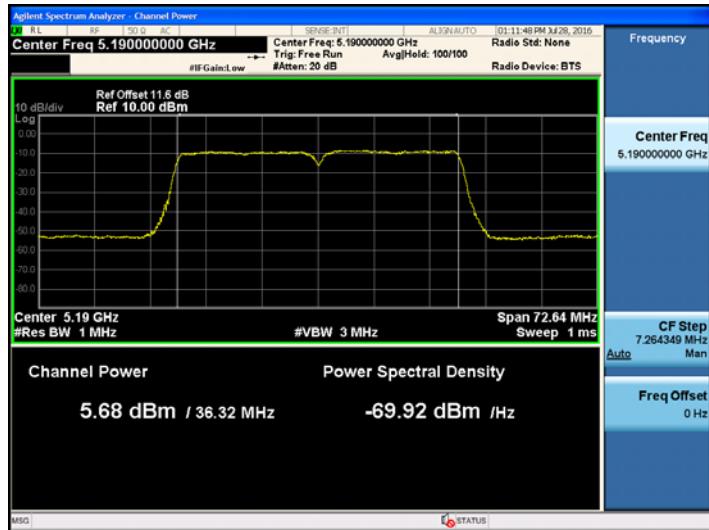
802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	6.54	0.61	7.15	23.98
		1	6.17	1.08	7.25	23.98
		2	5.66	1.46	7.12	23.98
		3	5.57	1.77	7.34	23.98
		4	4.97	2.26	7.24	23.98
		5	4.47	2.65	7.13	23.98
		6	4.35	2.79	7.14	23.98
		7	4.20	2.95	7.15	23.98
		8	4.04	3.13	7.17	23.98
		9	3.81	3.30	7.11	23.98
5550	110	0	6.43	0.61	7.04	23.98
		1	5.99	1.08	7.07	23.98
		2	5.38	1.46	6.84	23.98
		3	5.27	1.77	7.04	23.98
		4	4.79	2.26	7.06	23.98
		5	4.39	2.65	7.04	23.98
		6	4.46	2.79	7.25	23.98
		7	4.31	2.95	7.26	23.98
		8	4.13	3.13	7.26	23.98
		9	3.78	3.30	7.08	23.98
5710	142	0	6.95	0.61	7.57	23.98
		1	6.51	1.08	7.60	23.98
		2	6.06	1.46	7.52	23.98
		3	5.89	1.77	7.67	23.98
		4	5.39	2.26	7.66	23.98
		5	5.00	2.65	7.66	23.98
		6	4.96	2.79	7.76	23.98
		7	4.82	2.95	7.77	23.98
		8	4.54	3.13	7.66	23.98
		9	4.40	3.30	7.70	23.98

802.11ac_VHT40 (UNII 3)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT40 Mode: 5755~5795)**

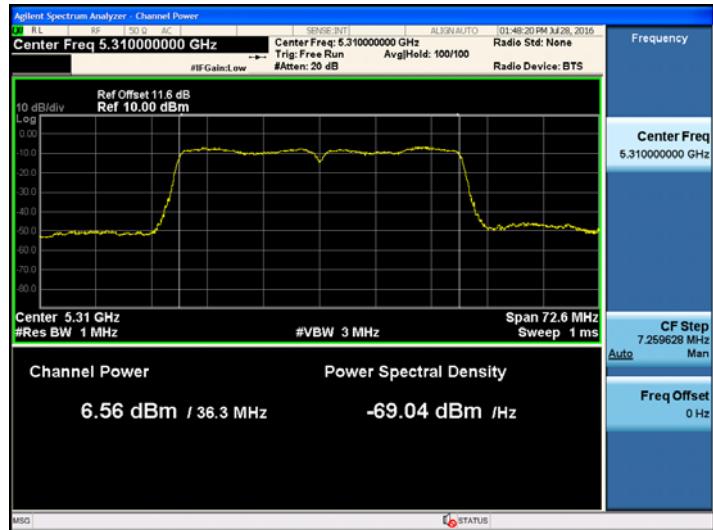
802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	6.41	0.61	7.02	30
		1	5.97	1.08	7.06	30
		2	5.50	1.46	6.96	30
		3	5.35	1.77	7.12	30
		4	4.91	2.26	7.17	30
		5	4.48	2.65	7.14	30
		6	4.38	2.79	7.17	30
		7	4.30	2.95	7.25	30
		8	3.80	3.13	6.92	30
		9	3.81	3.30	7.11	30
5795	159	0	6.70	0.61	7.31	30
		1	6.27	1.08	7.35	30
		2	5.77	1.46	7.24	30
		3	5.61	1.77	7.38	30
		4	5.17	2.26	7.44	30
		5	4.78	2.65	7.43	30
		6	4.71	2.79	7.51	30
		7	4.63	2.95	7.59	30
		8	4.24	3.13	7.37	30
		9	4.34	3.30	7.64	30

TEST Plot _802.11ac_VHT40

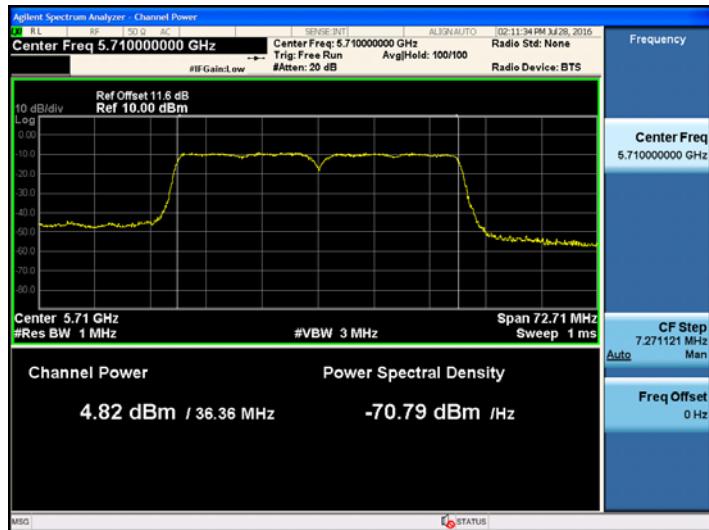
**802.11ac_VHT40 UNII 1 BAND Average Power
(5190 MHz ~5230 MHz) CH 38 MCS5**



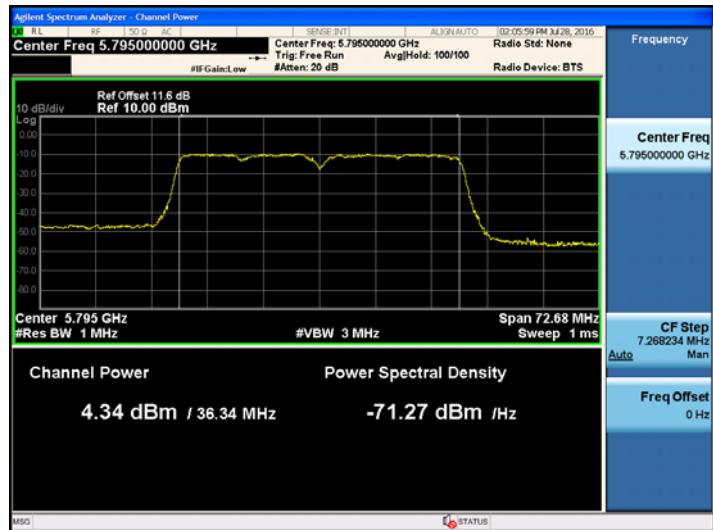
**802.11ac_VHT40 UNII 2A BAND Average Power
(5270 MHz ~5310 MHz) CH 62 MCS8**



**802.11ac_VHT40 UNII 2C BAND Average Power
(5510 MHz ~5710 MHz) CH 142 MCS7**



**802.11ac_VHT40 UNII 3 BAND Average Power
(5755 MHz ~5795 MHz) CH 159 MCS9**



802.11ac_VHT80 (UNII 1)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT80 Mode: 5210)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5210	42	0	6.81	1.15	7.96	22.09
		1	4.52	3.66	8.17	22.09
		2	5.51	2.36	7.88	22.09
		3	5.52	2.72	8.24	22.09
		4	5.09	3.21	8.31	22.09
		5	4.70	3.54	8.24	22.09
		6	4.51	3.67	8.18	22.09
		7	4.44	3.81	8.25	22.09
		8	3.78	3.96	7.75	22.09
		9	4.04	4.11	8.15	22.09

802.11ac_VHT80 (UNII 2A)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT80 Mode: 5290)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5290	58	0	7.80	1.15	8.95	23.98
		1	5.01	3.66	8.67	23.98
		2	6.45	2.36	8.81	23.98
		3	5.98	2.72	8.70	23.98
		4	5.44	3.21	8.65	23.98
		5	5.11	3.54	8.65	23.98
		6	5.03	3.67	8.70	23.98
		7	4.85	3.81	8.66	23.98
		8	4.71	3.96	8.67	23.98
		9	4.58	4.11	8.69	23.98

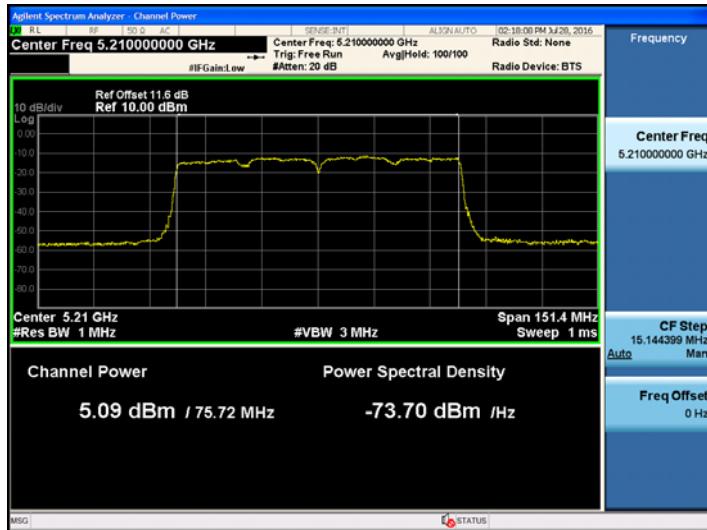
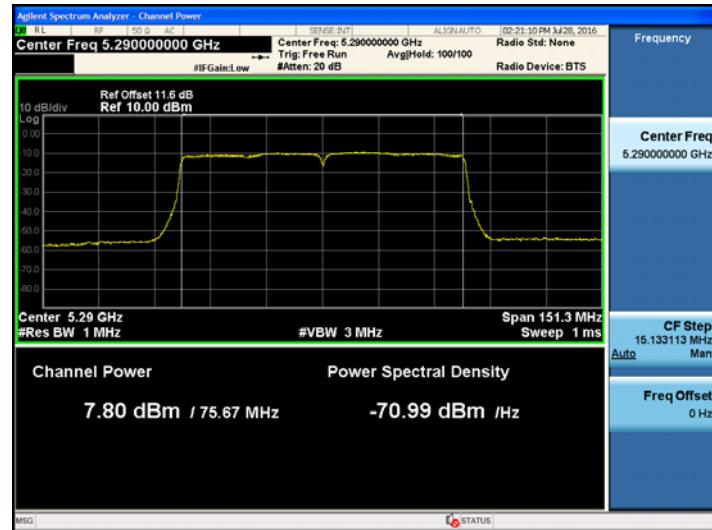
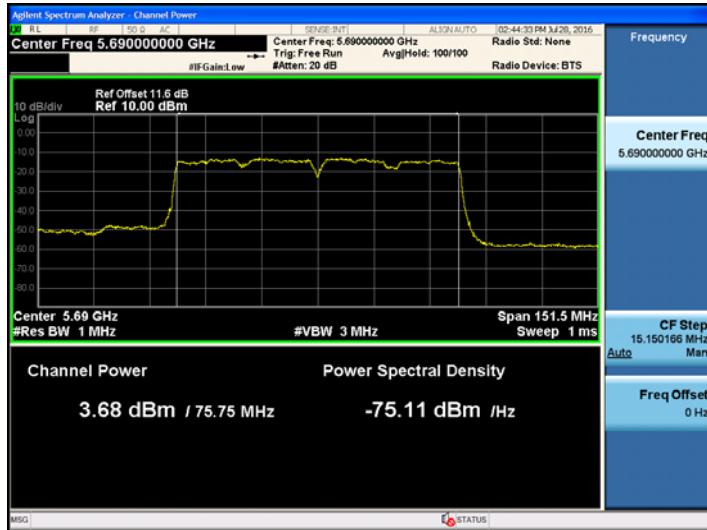
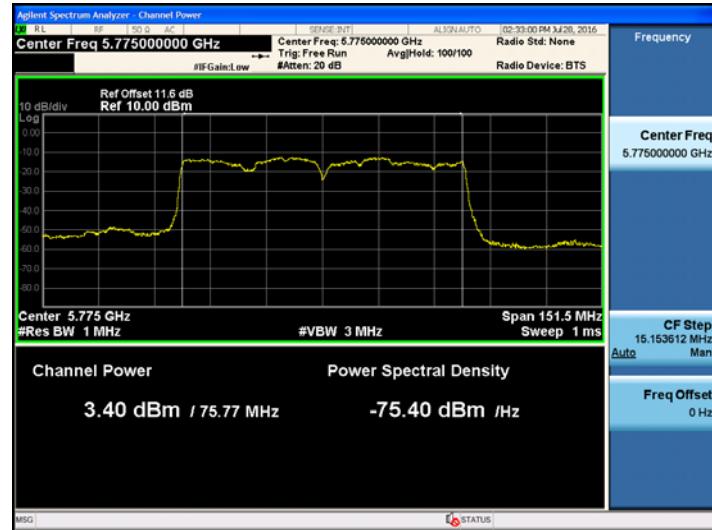
802.11ac_VHT80 (UNII 2C)**TEST RESULTS**

Conducted Output Power Measurements (802.11ac_VHT80 Mode: 5530 ~ 5690 MHz)

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	5.62	1.15	6.77	23.98
		1	3.18	3.66	6.84	23.98
		2	4.32	2.36	6.68	23.98
		3	4.25	2.72	6.97	23.98
		4	3.74	3.21	6.95	23.98
		5	3.46	3.54	7.00	23.98
		6	3.26	3.67	6.93	23.98
		7	3.06	3.81	6.87	23.98
		8	2.87	3.96	6.83	23.98
		9	2.74	4.11	6.85	23.98
5690	138	0	5.71	1.15	6.86	23.98
		1	3.68	3.66	7.34	23.98
		2	4.62	2.36	6.98	23.98
		3	4.58	2.72	7.31	23.98
		4	4.05	3.21	7.27	23.98
		5	3.62	3.54	7.16	23.98
		6	3.57	3.67	7.24	23.98
		7	3.51	3.81	7.32	23.98
		8	3.34	3.96	7.31	23.98
		9	3.14	4.11	7.25	23.98

802.11ac_VHT80 (UNII 3)**TEST RESULTS****Conducted Output Power Measurements (802.11ac_VHT80 Mode: 5775 MHz)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	5.84	1.15	6.99	30
		1	3.60	3.66	7.26	30
		2	4.62	2.36	6.98	30
		3	4.62	2.72	7.34	30
		4	4.07	3.21	7.29	30
		5	3.68	3.54	7.21	30
		6	3.61	3.67	7.28	30
		7	3.41	3.81	7.22	30
		8	3.40	3.96	7.36	30
		9	3.13	4.11	7.24	30

TEST Plot for 802.11ac_VHT80
**802.11ac_VHT80 UNII 1 BAND Average Power
(5210 MHz) CH 42 MCS4**

**802.11ac_VHT80 UNII 2A BAND Average Power
(5290 MHz) CH 58 MCS0**

**802.11ac_VHT80 UNII 2C BAND Average Power
(5530 ~ 5690 MHz) CH 138 MCS1**

**802.11ac_VHT80 UNII 3 BAND Average Power
(5775 MHz) CH 155 MCS8**


█Straddle channels TEST RESULTS

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 2C Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	9.23	1.805	11.04	22.60
802.11n			8.84	2.352	11.19	22.58
802.11ac			8.83	2.005	10.83	22.62

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 3 Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	3.07	1.805	4.88	24.34
802.11n			3.14	2.352	5.49	24.40
802.11ac			3.22	2.005	5.22	24.29

Straddle channels TEST Plot for 802.11a/n_HT20

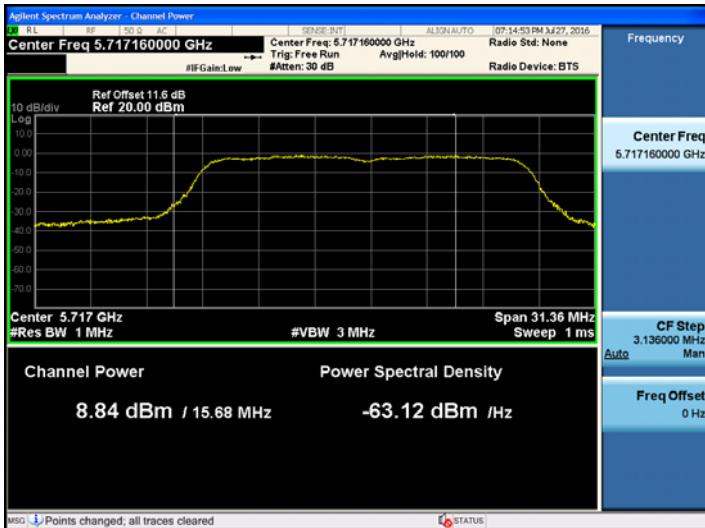
802.11a UNII 2C Band Average Power CH.144



802.11a UNII 3 Band Average Power CH.144

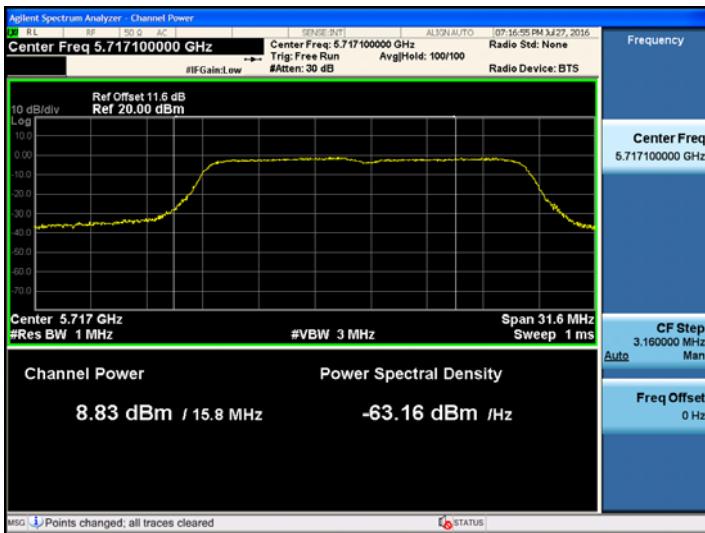
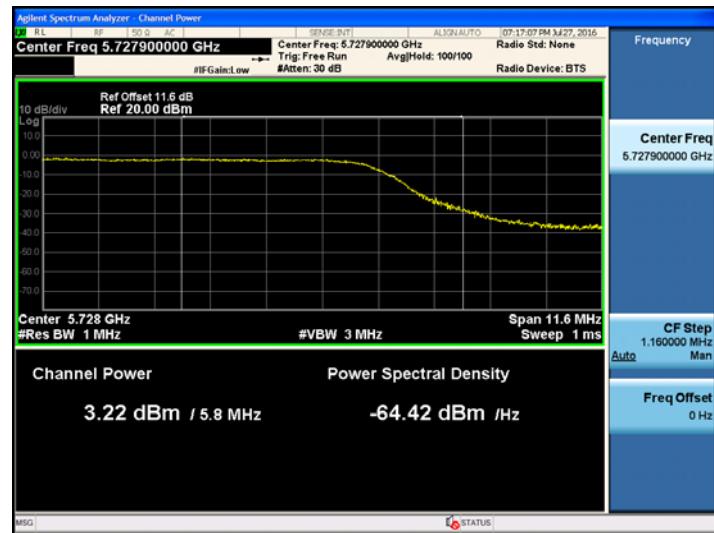


802.11n_HT20 UNII 2C Band Average Power CH.144



802.11n_HT20 UNII 3 Band Average Power CH.144



Straddle channels TEST Plot for 802.11ac_VHT20
802.11ac_VHT20 UNII 2C Band Average Power CH.144**802.11ac_VHT20 UNII 3 Band Average Power CH.144**

█Straddle channels TEST RESULTS

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 2C Band 5710MHz)

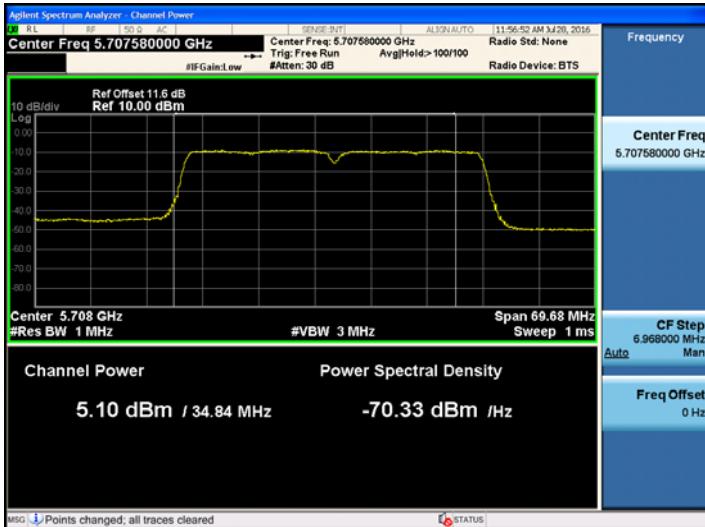
Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	5.10	2.302	7.40	23.45
802.11ac			4.31	2.955	7.26	23.41

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 3 Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	-5.46	2.302	-3.16	20.60
802.11ac			-6.07	2.955	-3.12	20.87

Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40

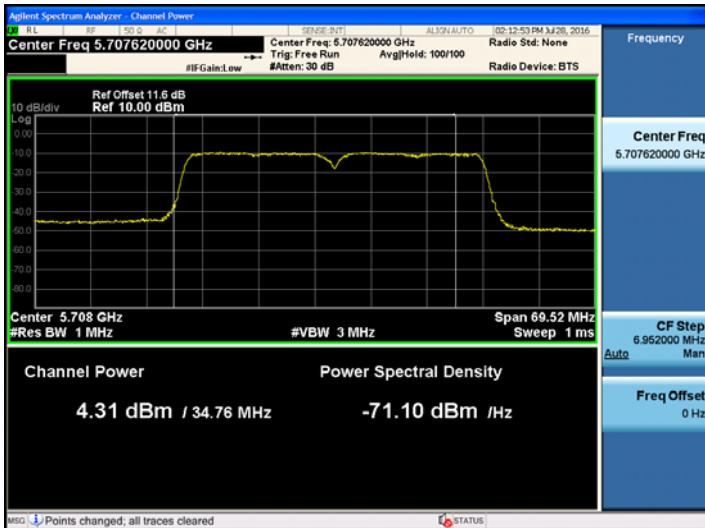
802.11n_HT40 UNII 2C Band Average Power CH.142



802.11n_HT40 UNII 3 Band Average Power CH.142



802.11ac_VHT40 UNII 2C Band Average Power CH.142



802.11ac_VHT40 UNII 3 Band Average Power CH.142



■Straddle channels TEST RESULTS

Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 2C Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	3.53	3.658	7.19	23.67

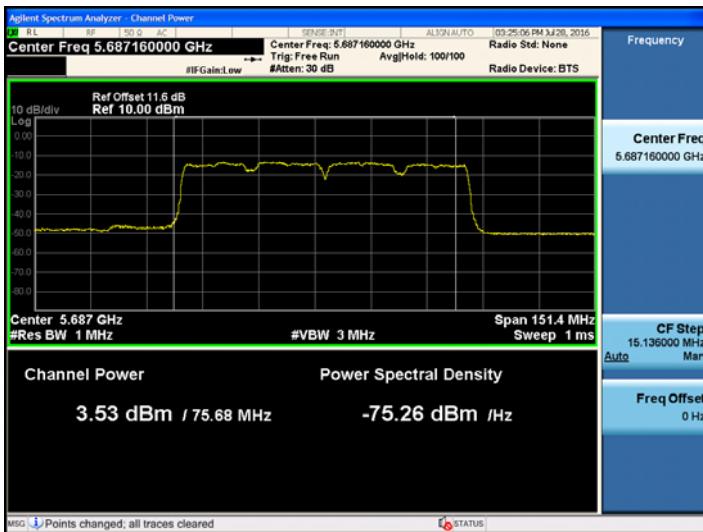
Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 3 Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	-10.94	3.658	-7.28	18.44

■Straddle channels TEST Plot for 802.11ac_VHT80

802.11ac_VHT80 UNII 2C Band Average Power CH.138

802.11ac_VHT80 UNII 3 Band Average Power CH.138



9.4 POWER SPECTRAL DENSITY

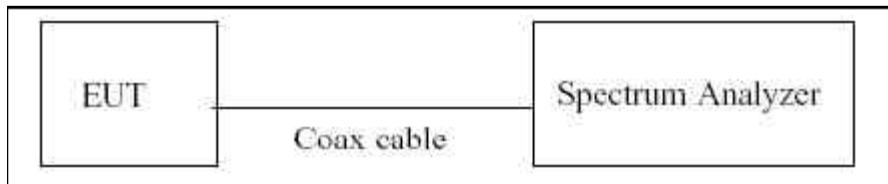
The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies. The maximum permissible peak power spectral density is 11 dBm/ MHz for UNII 1,2A, 2C and 30 dBm/500 kHz for UNII 3.

Limit

Power Spectral Density

Band	Mode	Limit
UNII 1	802.11 a,n,ac	11 dBm/MHz
UNII 2A	802.11a,n,ac	11 dBm/MHz
UNII 2C	802.11a,n,ac	11 dBm/MHz
UNII 3	802.11a,n,ac	30 dBm/500 kHz

Note : Note : According to KDB644545 D03 v01, emission for straddle channels in each band shall comply with the PSD limits applicable to that band under the appropriate rule section.

□ TEST CONFIGURATION**□ TEST PROCEDURE**

We tested according to Method in KDB 789033 D02 v01r02.

The spectrum analyzer is set to :

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW \geq 3 MHz
4. Number of points in sweep \geq 2*span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.

□ Sample Calculation

PSD = Reading Value + ATT loss + Cable loss(1 ea) + Duty Cycle Factor

Output Power = 5 dBm + 10 dB + 0.8 dB + 0.21 dB = 16.01 dBm

Note :

1. Spectrum reading values are not plot data. The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply to the offset in the 5.2 GHz, 5.3 GHz and 5.6 GHz range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1, 2A , 2C, 3	11.1

(Actual value of loss for the attenuator and cable combination)

802.11a

 TEST RESULTS

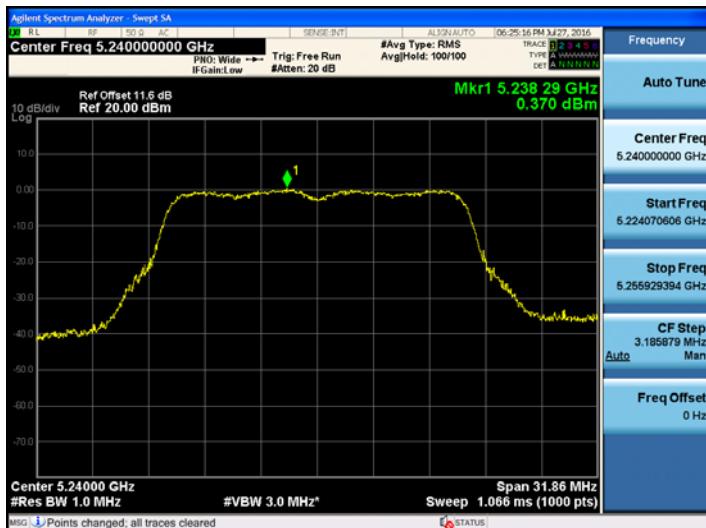
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11a	0.210	1.950	2.160	11	Pass
5200	40		-0.155	1.805	1.650		Pass
5240	48		0.370	1.805	2.175		Pass
5260	52		0.317	1.805	2.122	11	Pass
5300	60		0.590	1.805	2.395		Pass
5320	64		0.995	1.034	2.029		Pass
5500	100		-1.399	1.950	0.551	11	Pass
5580	116		-0.730	1.805	1.075		Pass
5745	149		-4.204	1.950	-2.254	30	Pass
5785	157		-3.337	1.805	-1.532		Pass
5825	165		-2.975	1.805	-1.170		Pass

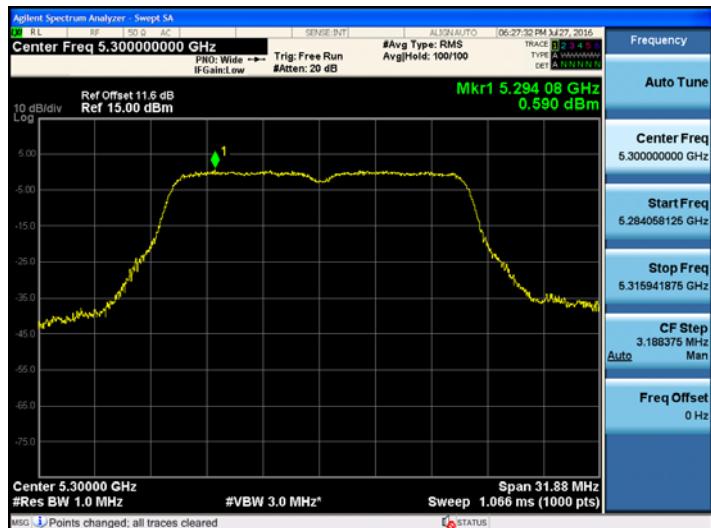
Note : Please refer to the straddle channels test results for the measurements of ch.144

TEST Plot for 802.11a

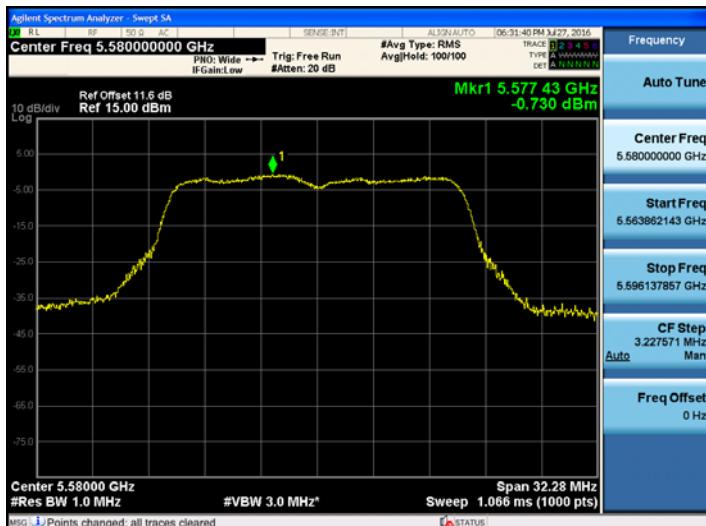
802.11a UNII 1 BAND PSD CH 48



802.11a UNII 2A BAND PSD CH 60



802.11a UNII 2C BAND PSD CH 116



802.11a UNII 3 BAND PSD CH 165



802.11n_HT20

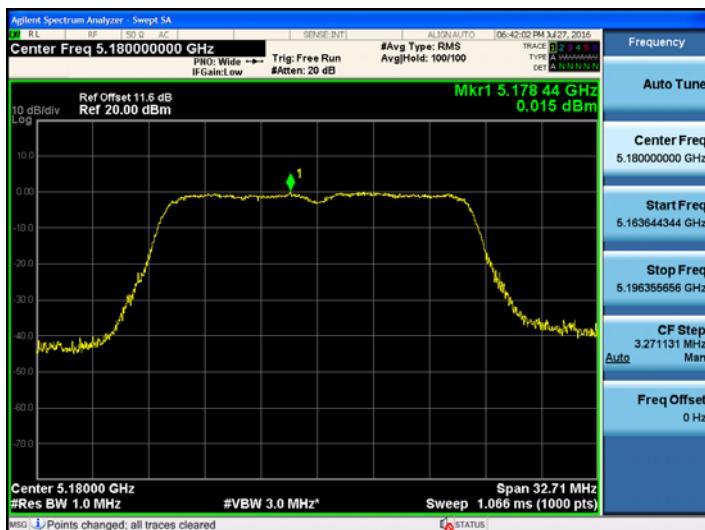
 TEST RESULTS

Conducted Power Density Measurements

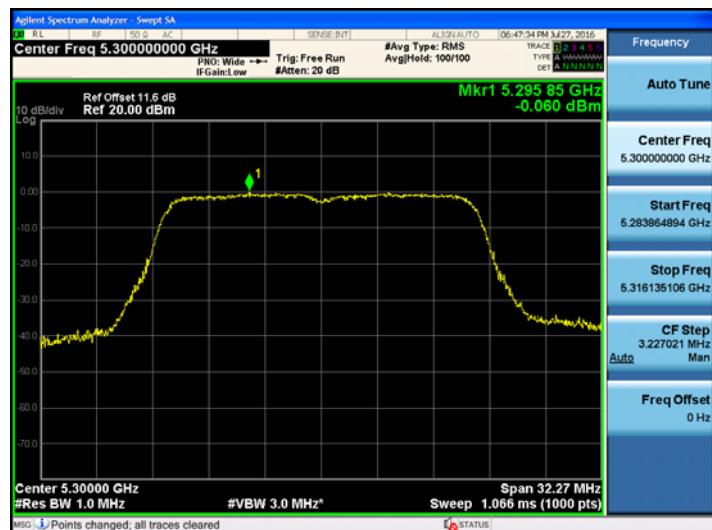
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11n -HT20	0.015	1.790	1.805	11	Pass
5200	40		-0.359	1.900	1.541		Pass
5240	48		-0.245	1.790	1.545		Pass
5260	52		-0.129	2.352	2.223	11	Pass
5300	60		-0.060	2.352	2.292		Pass
5320	64		-0.163	2.352	2.189		Pass
5500	100		-1.584	2.352	0.768	11	Pass
5580	116		-1.736	2.352	0.616		Pass
5745	149		-4.460	2.352	-2.108	30	Pass
5785	157		-3.468	2.352	-1.116		Pass
5825	165		-3.503	2.352	-1.151		Pass

TEST Plot for 802.11n_HT20

802.11n_HT20 UNII 1 BAND PSD CH 36



802.11n_HT20 UNII 2A BAND PSD CH 60



802.11n_HT20 UNII 2C BAND PSD CH 100



802.11n_HT20 UNII 3 BAND PSD CH 157



802.11ac_VHT20

 TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20	-0.090	1.743	1.653	11	Pass
5200	40		-0.084	1.867	1.783		Pass
5240	48		-0.003	1.743	1.740		Pass
5260	52		-0.141	1.867	1.726	11	Pass
5300	60		0.730	1.053	1.783		Pass
5320	64		0.235	1.425	1.660		Pass
5500	100		-0.557	1.053	0.496	11	Pass
5580	116		-0.974	1.743	0.769		Pass
5745	149		-4.231	1.867	-2.364	30	Pass
5785	157		-3.504	1.743	-1.761		Pass
5825	165		-3.022	1.425	-1.597		Pass

TEST Plot for 802.11ac_VHT20

802.11ac_VHT20 UNII 1 BAND PSD CH 40



802.11ac_VHT20 UNII 2A BAND PSD CH 60



802.11ac_VHT20 UNII 2C BAND PSD CH 116



802.11ac_VHT20 UNII 3 BAND PSD CH 165



802.11n_HT40

 TEST RESULTS

Conducted Power Density Measurements

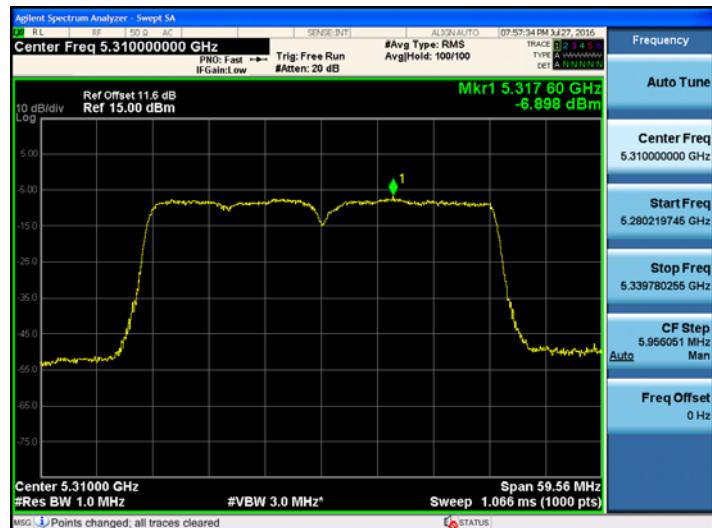
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40	-7.729	2.859	-4.870	11	Pass
5230	46		-8.075	2.715	-5.360		Pass
5270	54		-6.336	1.800	-4.536	11	Pass
5310	62		-6.898	2.859	-4.039		Pass
5510	102		-7.577	0.614	-6.963	11	Pass
5550	110		-9.272	2.859	-6.413		Pass
5755	151		-12.061	2.859	-9.202	30	Pass
5795	159		-11.142	2.302	-8.840		Pass

TEST Plot for 802.11n_HT40

802.11n_HT40 UNII 1 BAND PSD CH 38



802.11n_HT40 UNII 2A BAND PSD CH 62



802.11n_HT40 UNII 2C BAND PSD CH 110



802.11n_HT40 UNII 3 BAND PSD CH 159



802.11ac_VHT40

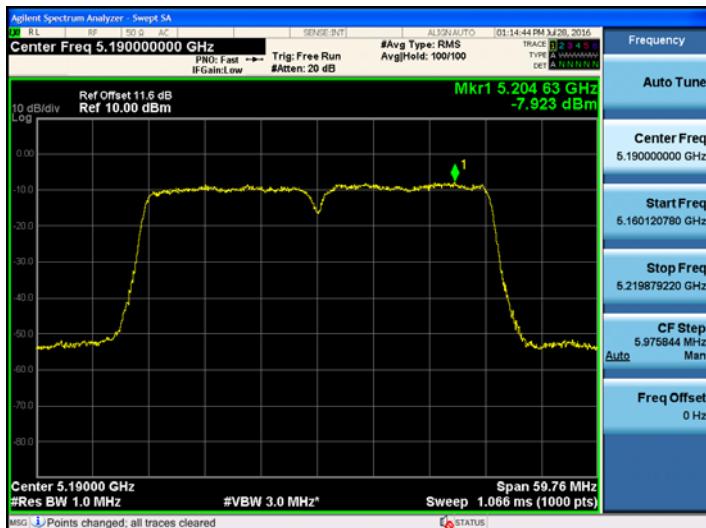
 TEST RESULTS

Conducted Power Density Measurements

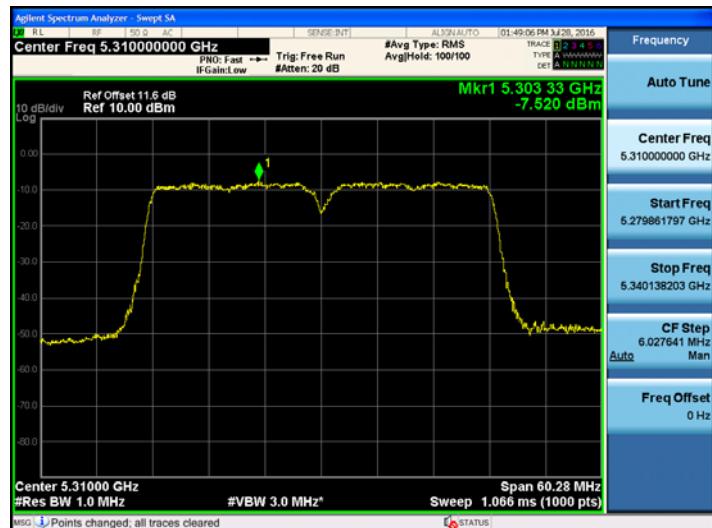
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-7.923	2.654	-5.269	11	Pass
5230	46		-8.384	2.792	-5.592		Pass
5270	54		-6.200	1.461	-4.739	11	Pass
5310	62		-7.520	3.128	-4.392		Pass
5510	102		-8.385	1.772	-6.613	11	Pass
5550	110		-9.513	2.955	-6.558		Pass
5755	151		-12.032	2.955	-9.077	30	Pass
5795	159		-11.657	3.303	-8.354		Pass

TEST Plot for 802.11ac_VHT40

802.11ac_VHT40 UNII 1 BAND PSD CH 38



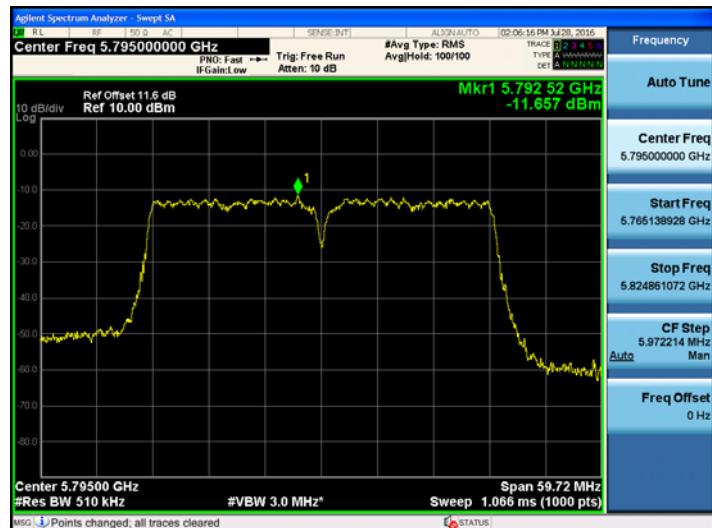
802.11ac_VHT40 UNII 2A BAND PSD CH 62



802.11ac_VHT40 UNII 2C BAND PSD CH 110



802.11ac_VHT40 UNII 3 BAND PSD CH 159



802.11ac_VHT80

 TEST RESULTS

Conducted Power Density Measurements

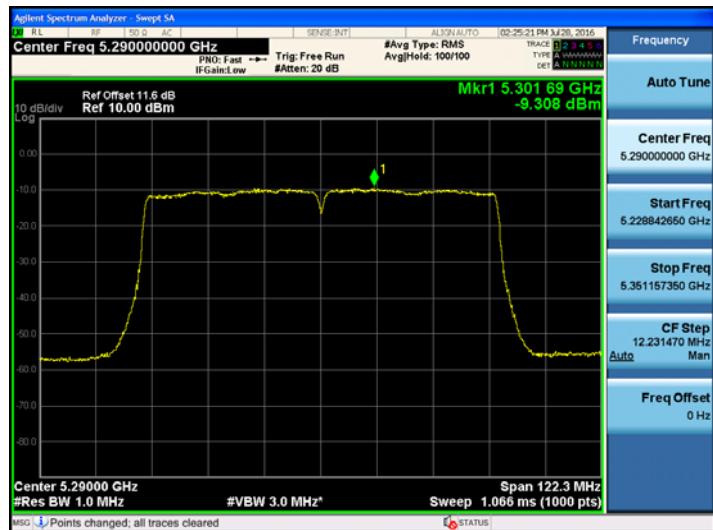
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-11.465	3.214	-8.251	11	Pass
5290	58		-9.308	1.149	-8.159		Pass
5530	106		-13.010	3.538	-9.472		Pass
5775	155		-15.663	3.965	-11.698	30	Pass

TEST Plot for 802.11ac_VHT80

802.11ac_VHT80 UNII 1 BAND PSD CH 42



802.11ac_VHT80 UNII 2A BAND PSD CH 58



802.11ac_VHT80 UNII 2C BAND PSD CH 106



802.11ac_VHT80 UNII 3 BAND PSD CH 155



Straddle channels TEST RESULTS for 802.11a/n_HT20/ac_VHT20

Conducted Power Density Measurements (UNII 2C Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	-0.105	1.805	1.700	11	Pass
		802.11n	-0.776	2.352	1.576	11	Pass
		802.11ac	-1.119	2.005	0.886	11	Pass

Conducted Power Density Measurements (UNII 3 Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	-3.684	1.805	-1.879	30	Pass
		802.11n	-3.895	2.352	-1.543	30	Pass
		802.11ac	-4.031	2.005	-2.026	30	Pass