8.3.5 Test Results

☒ 802.11a mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density		Limit	Verdict
			Ant0	Ant1		
UNII Band I	CH36	5180	-0.49	-1.11	≤11dBm/1MHz	Pass
	CH40	5200	-0.41	-1.12	≤11dBm/1MHz	Pass
	CH48	5240	-1.86	-2.67	≤11dBm/1MHz	Pass
UNII Band II-A	CH52	5260	-2.54	-3.42	≤11dBm/1MHz	Pass
	CH56	5280	-2.81	-3.74	≤11dBm/1MHz	Pass
	CH64	5320	-1.97	-2.57	≤11dBm/1MHz	Pass
UNII Band II-C	CH100	5500	1.02	0.49	≤10.89dBm/1MHz	Pass
	CH120	5600	1.09	0.97	≤10.89dBm/1MHz	Pass
	CH140	5700	-1.10	-1.77	≤10.89dBm/1MHz	Pass
UNII Band III	CH149	5745	-4.10	-4.67	≤29.76dBm/500K Hz	Pass
	CH157	5785	-3.58	-3.76	≤29.76dBm/500K Hz	Pass
	CH165	5825	-4.64	-4.62	≤29.76dBm/500K Hz	Pass
Note: N/A (Not Applicable)						

☒ 802.11n(VHT20) mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH36	5180	-1.25	-1.33	1.720	≤11dBm/1MHz	Pass
	CH40	5200	-1.41	-1.59	1.511	≤11dBm/1MHz	Pass
	CH48	5240	-2.75	-3.08	0.098	≤11dBm/1MHz	Pass
UNII Band II-A	CH52	5260	-3.47	-3.86	-0.650	≤11dBm/1MHz	Pass
	CH56	5280	-3.67	-4.11	-0.874	≤11dBm/1MHz	Pass
	CH64	5320	-2.49	-3	0.273	≤11dBm/1MHz	Pass
UNII Band II-C	CH100	5500	0.5	0.16	3.344	≤10.89dBm/1MHz	Pass
	CH120	5600	0.57	-0.22	3.203	≤10.89dBm/1MHz	Pass
	CH140	5700	-1.74	-2.05	1.118	≤10.89dBm/1MHz	Pass
UNII Band III	CH149	5745	-4.73	-4.99	-1.848	≤29.76dBm/500K Hz	Pass
	CH157	5785	-4.16	-3.95	-1.043	≤29.76dBm/500K Hz	Pass
	CH165	5825	-5.24	-4.89	-2.051	≤29.76dBm/500K Hz	Pass

☒ 802.11ac(VHT20) mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH36	5180	-1.62	-1.54	1.430	≤11dBm/1MHz	Pass
	CH40	5200	-1.62	-1.36	1.522	≤11dBm/1MHz	Pass
	CH48	5240	-3.11	-2.77	0.074	≤11dBm/1MHz	Pass
UNII Band II-A	CH52	5260	-3.85	-3.46	-0.640	≤11dBm/1MHz	Pass
	CH56	5280	-4.13	-3.61	-0.852	≤11dBm/1MHz	Pass
	CH64	5320	-2.90	-2.52	0.304	≤11dBm/1MHz	Pass
UNII Band II-C	CH100	5500	0.13	0.51	3.334	≤10.89dBm/1MHz	Pass
	CH120	5600	0.15	0.58	3.381	≤10.89dBm/1MHz	Pass
	CH140	5700	-2.00	-1.58	1.225	≤10.89dBm/1MHz	Pass
UNII Band III	CH149	5745	-4.89	-4.56	-1.712	≤29.76dBm/500KHz	Pass
	CH157	5785	-4.52	-4.08	-1.284	≤29.76dBm/500KHz	Pass
	CH165	5825	-5.48	-5.17	-2.312	≤29.76dBm/500KHz	Pass

☒ 802.11n(VHT40) mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH38	5190	-4.73	-4.24	-1.468	≤11dBm/1MHz	Pass
	CH46	5230	-5.34	-5.21	-2.264	≤11dBm/1MHz	Pass
UNII Band II-A	CH54	5270	-6.85	-6.56	-3.692	≤11dBm/1MHz	Pass
	CH62	5310	-5.76	-5.7	-2.720	≤11dBm/1MHz	Pass
UNII Band II-C	CH102	5510	-2.73	-2.4	0.448	≤10.89dBm/1MHz	Pass
	CH118	5590	-2.68	-2.31	0.519	≤10.89dBm/1MHz	Pass
	CH134	5670	-4.03	-3.97	-0.990	≤10.89dBm/1MHz	Pass
UNII Band III	CH151	5755	-7.4	-7.18	-4.278	≤29.76dBm/500KHz	Pass
	CH159	5795	-7.2	-7.02	-4.099	≤29.76dBm/500KHz	Pass

☒ 802.11ac(VHT40) mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH38	5190	-4.63	-4.14	-1.368	≤11dBm/1MHz	Pass
	CH46	5230	-5.23	-5.12	-2.164	≤11dBm/1MHz	Pass
UNII Band II-A	CH54	5270	-6.73	-6.59	-3.649	≤11dBm/1MHz	Pass
	CH62	5310	-5.83	-5.67	-2.739	≤11dBm/1MHz	Pass
UNII Band II-C	CH102	5510	-2.49	-2.32	0.606	≤10.89dBm/1MHz	Pass
	CH118	5590	-2.74	-2.34	0.475	≤10.89dBm/1MHz	Pass
	CH134	5670	-4.18	-3.99	-1.074	≤10.89dBm/1MHz	Pass
UNII Band III	CH151	5755	-7.88	-7.02	-4.418	≤29.76dBm/500K Hz	Pass
	CH159	5795	-7.39	-7.22	-4.294	≤29.76dBm/500K Hz	Pass

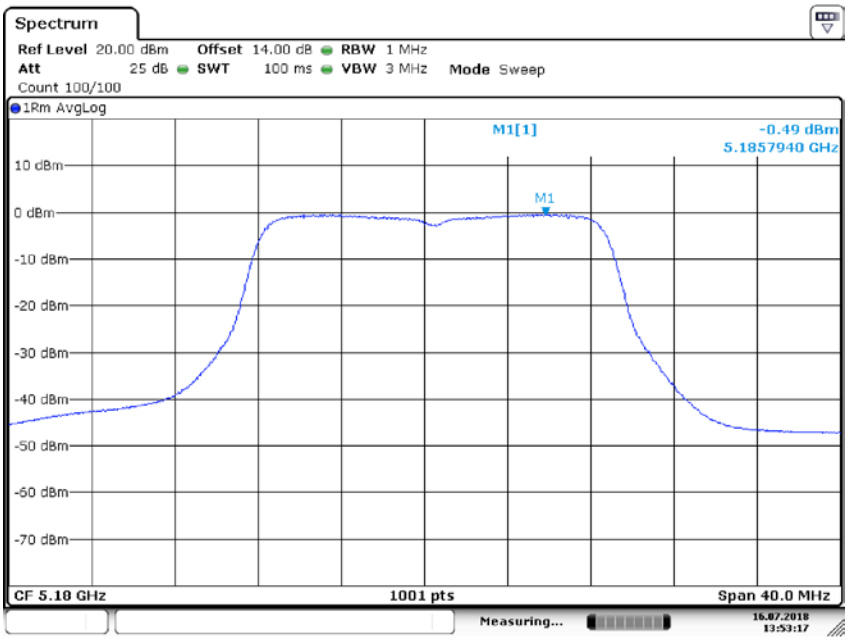
☒ 802.11ac(VHT80) mode

Temperature : 28℃ Test By: King Kong
Humidity : 65 %

Band	Channel Number	Channel Freq. (MHz)	Power Spectral Density			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH42	5210	-4.89	-4.97	-1.920	≤11.00dBm/1MHz	Pass
UNII Band II-A	CH58	5290	-5.89	-6.5	-3.174	≤11.00dBm/1MHz	Pass
UNII Band II-C	CH106	5530	-3.15	-3.15	-0.140	≤10.89dBm/1MHz	Pass
	CH122	5610	-3.1	-3.22	-0.149	≤10.89dBm/1MHz	Pass
UNII Band III	CH155	5775	-7.11	-7.41	-4.247	≤29.76dBm/500K Hz	Pass

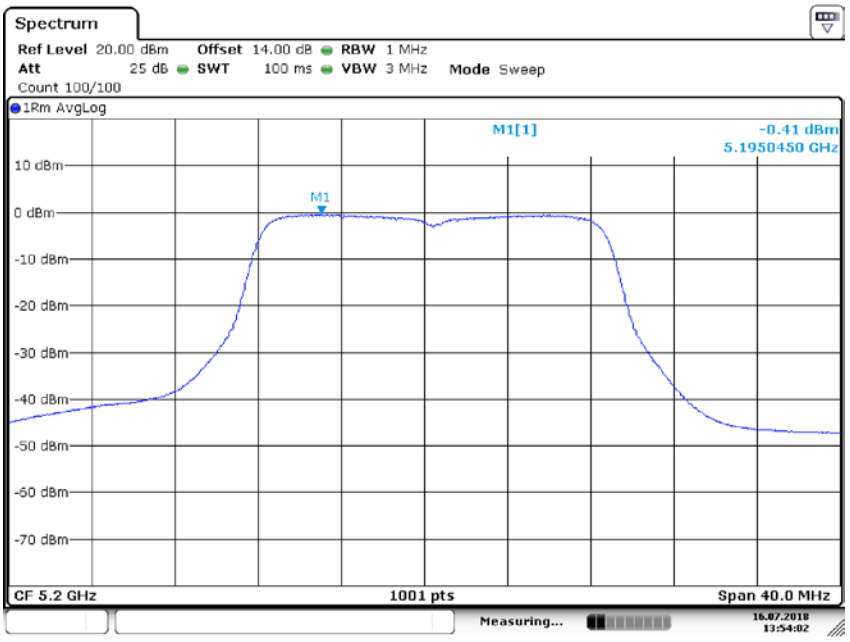
A. Antenna 0

Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5180



Date: 16.JUL.2018 13:53:18

Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5200



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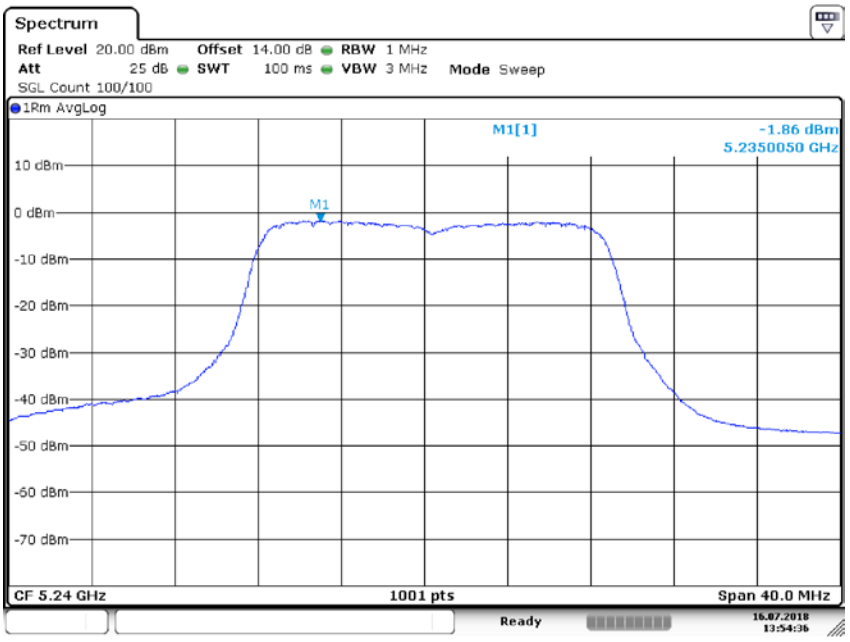
Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5240



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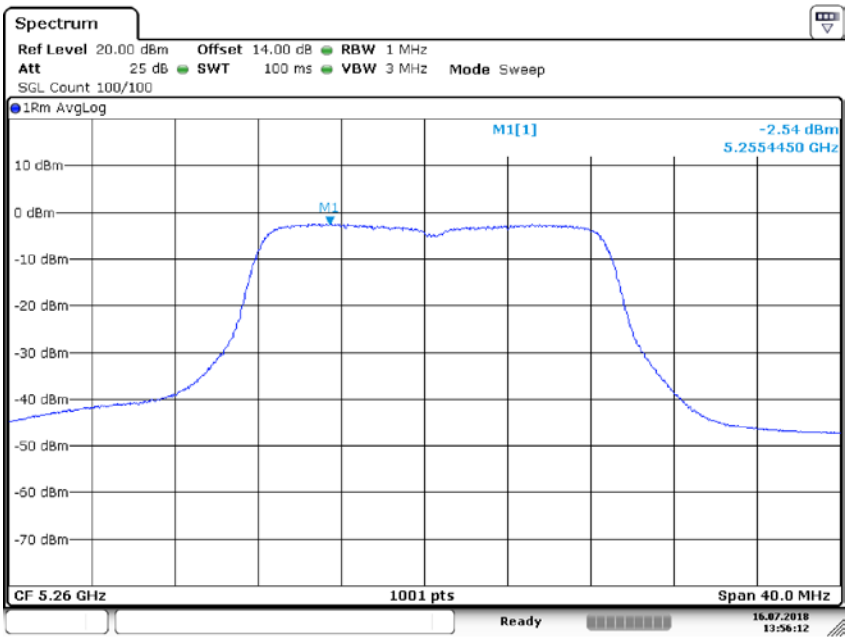
Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5260



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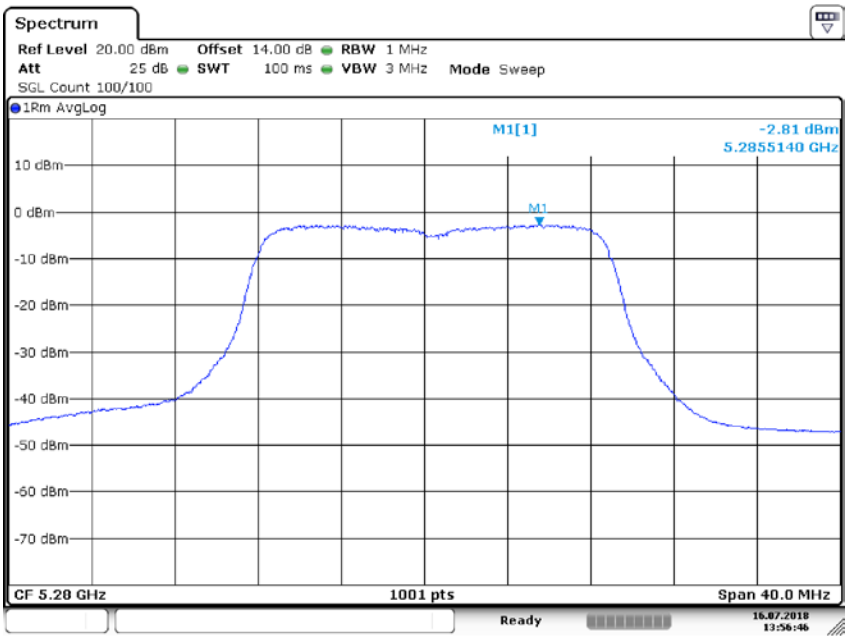
Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5280



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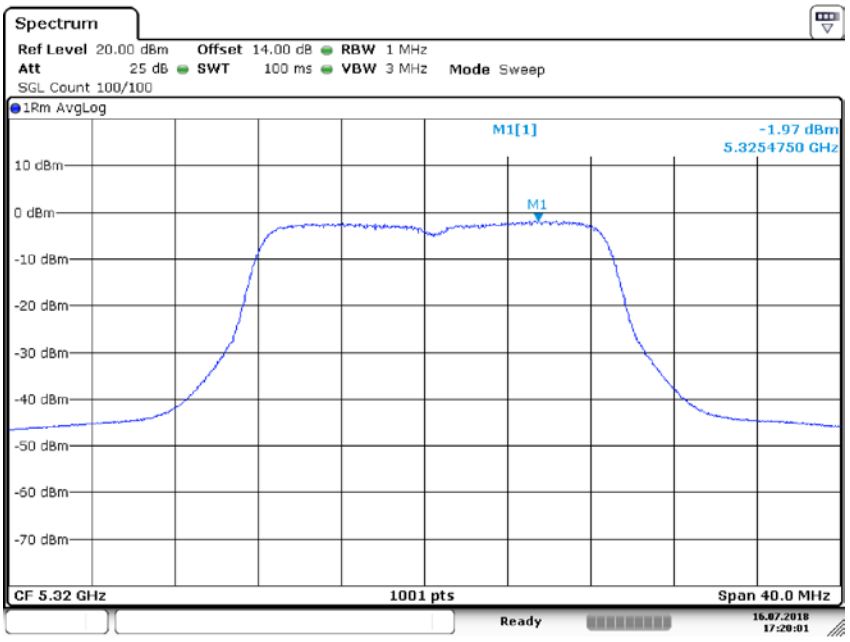
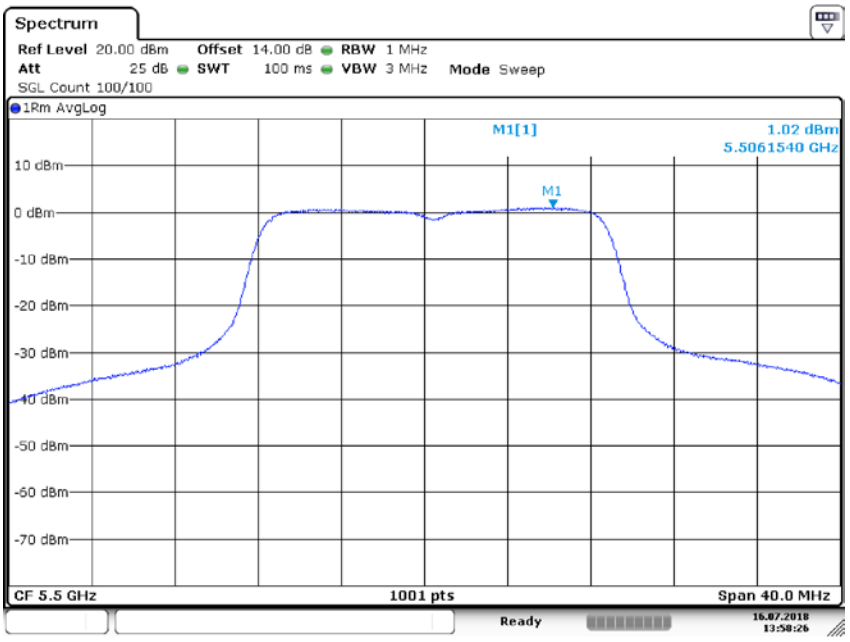
Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5320



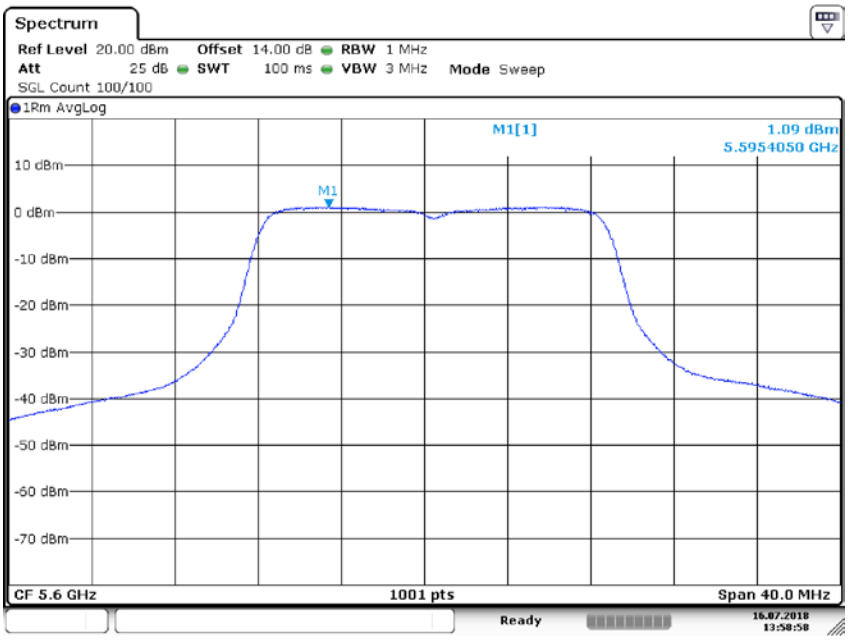
Date: 16.JUL.2018 17:20:00

Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5500



Date: 16.JUL.2018 13:58:27

Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5600



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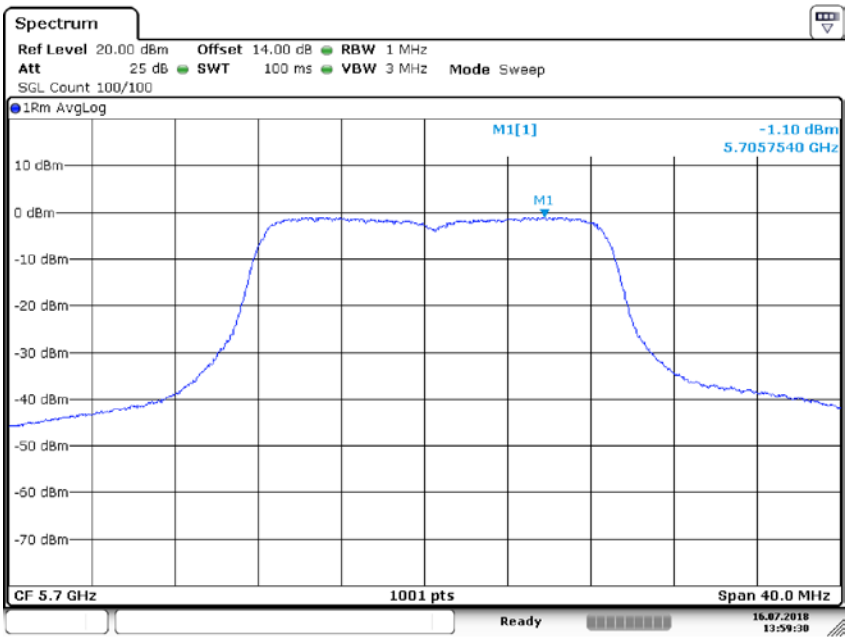
Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5700



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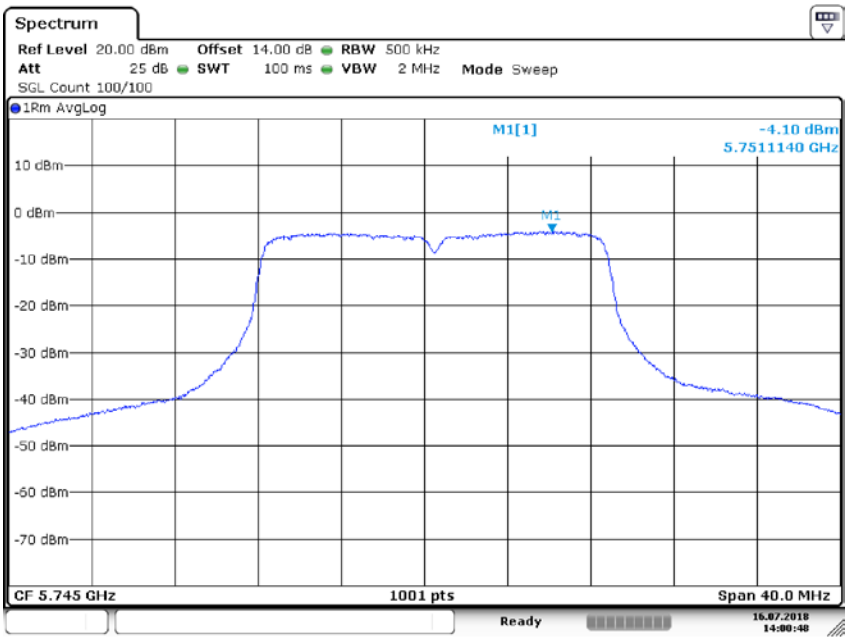
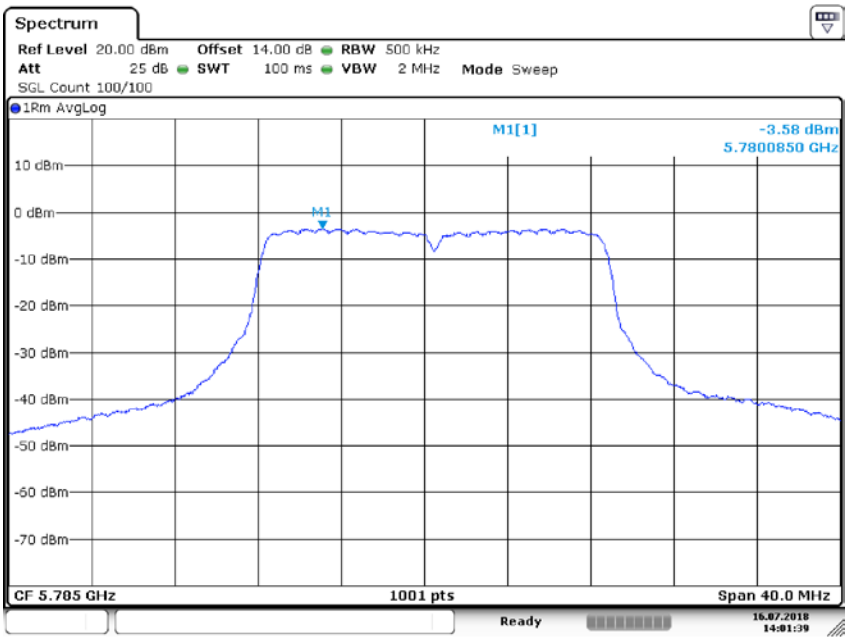
Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5745



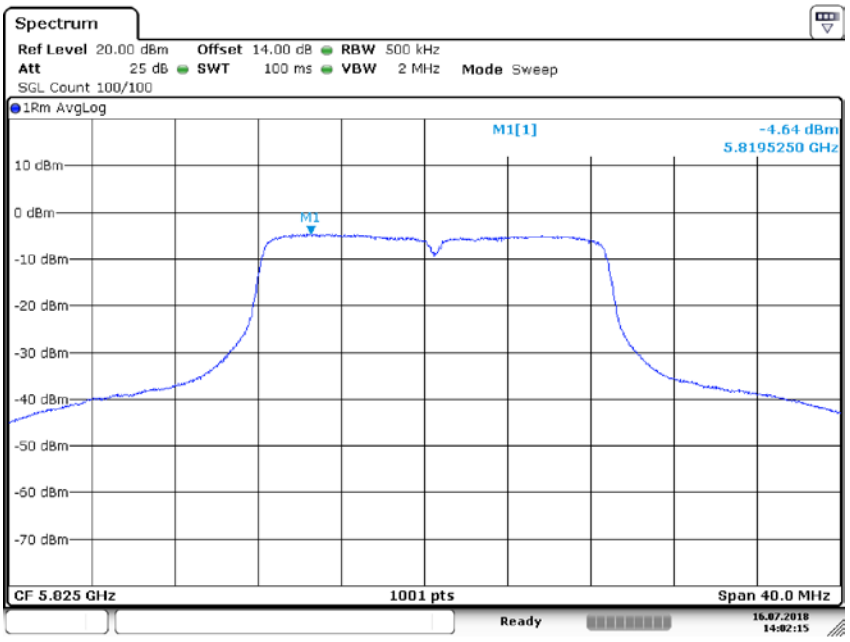
Date: 16.JUL.2018 14:00:48

Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5785



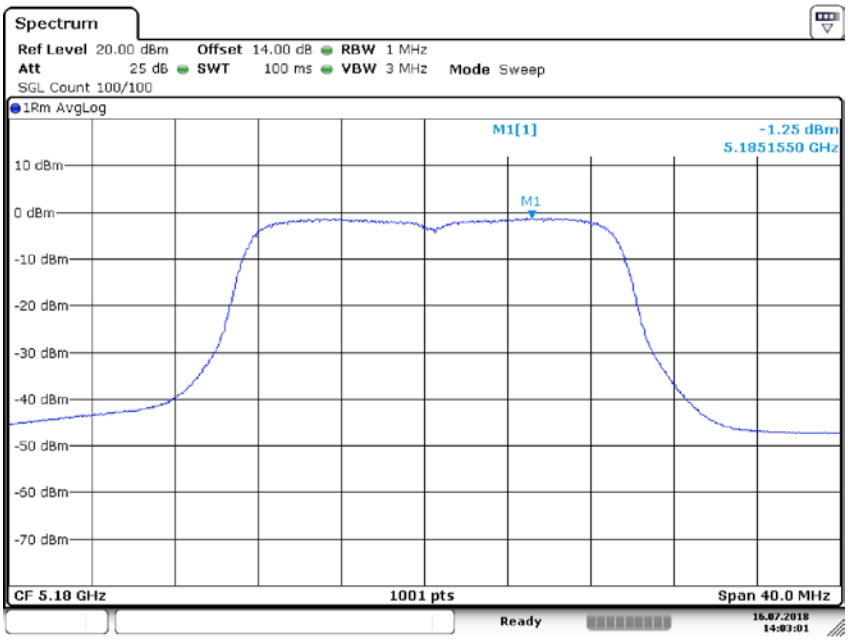
Date: 16.JUL.2018 14:01:39

Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5825



Date: 16.JUL.2018 14:02:14

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5180



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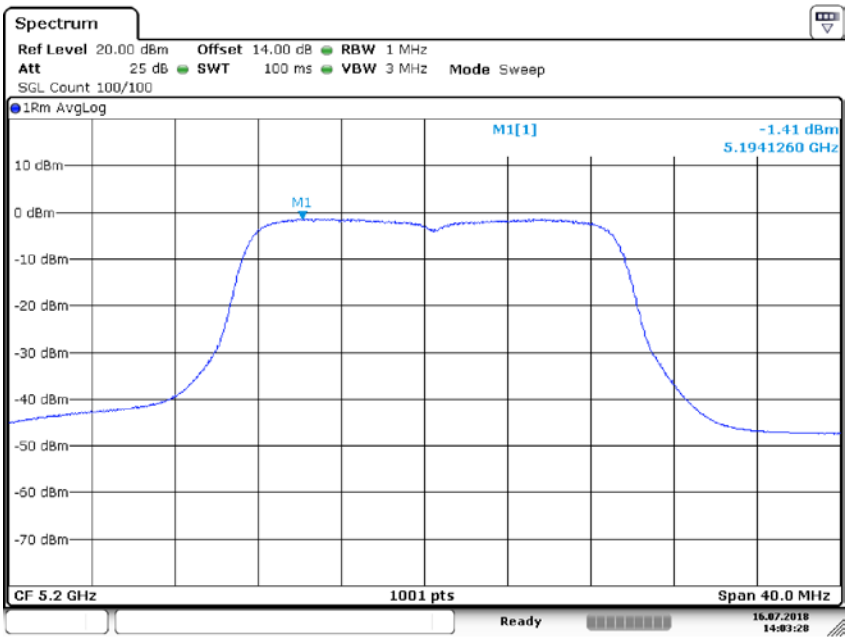
Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5200



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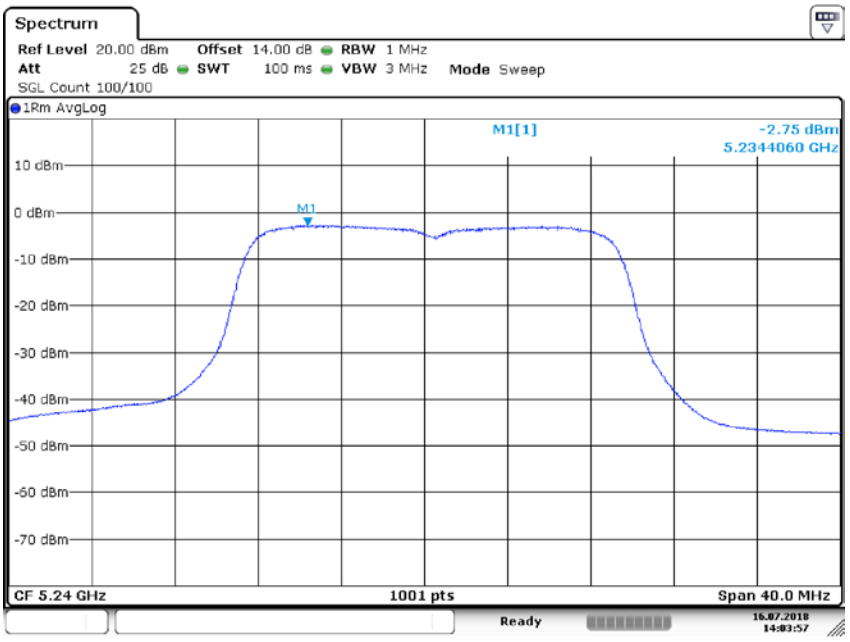
Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5240



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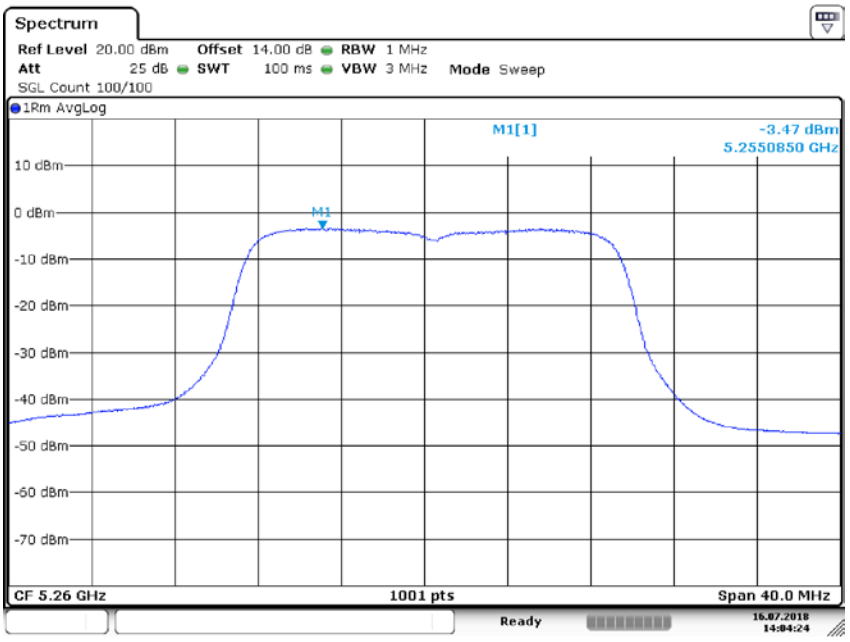
Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5260



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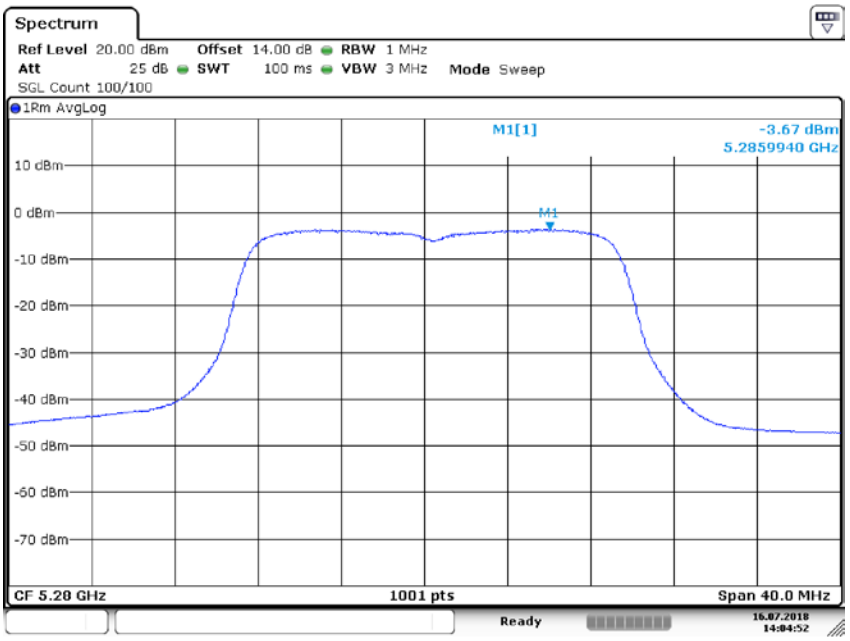
Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5280



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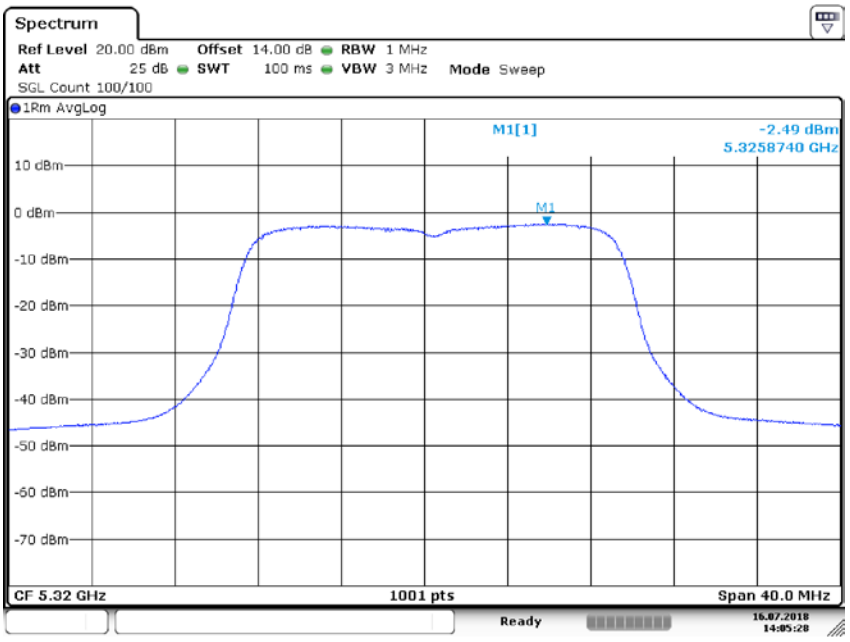
Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5320



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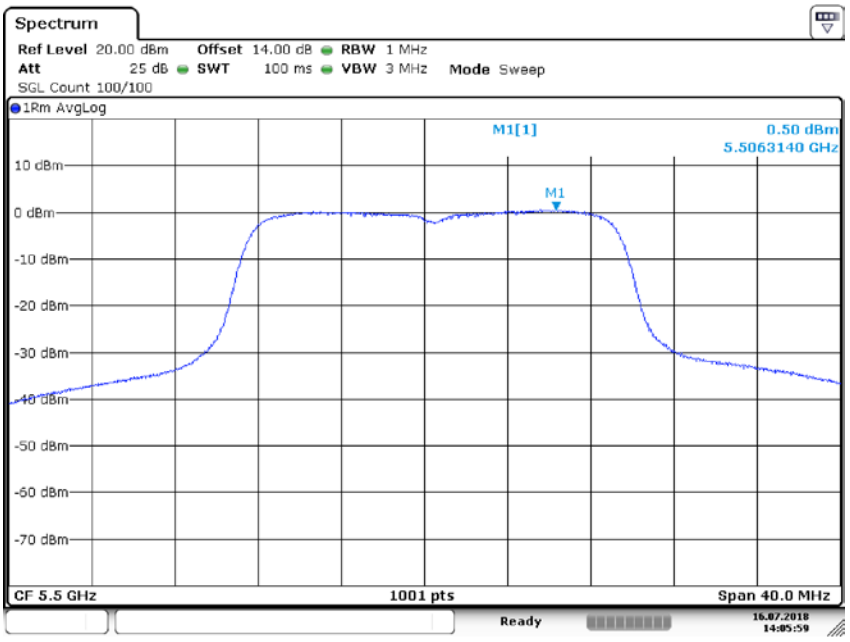
Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5500



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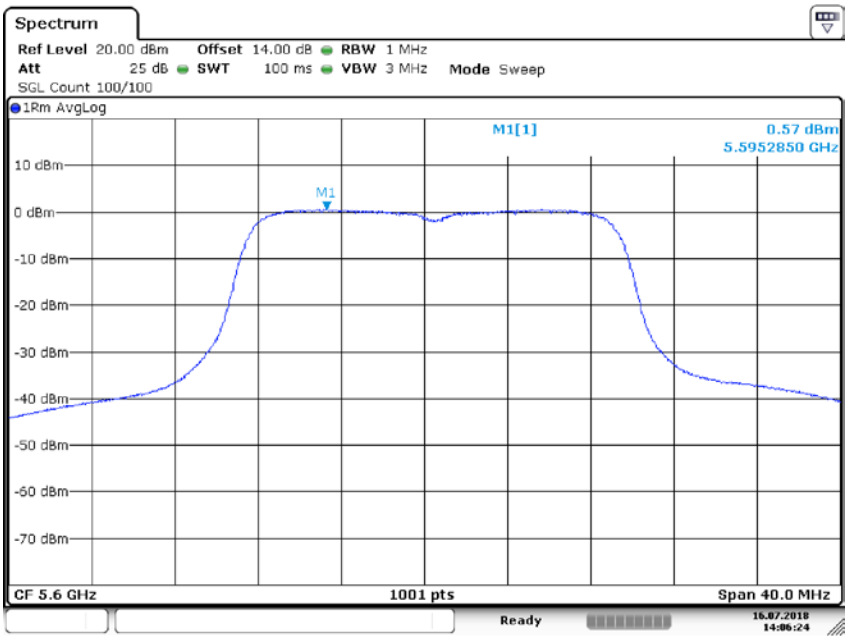
Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5600



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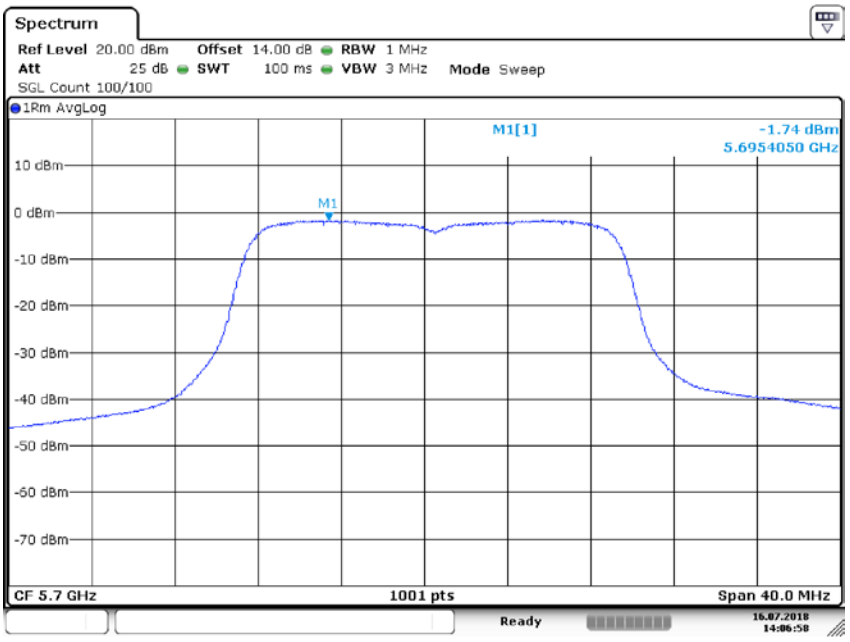
Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5700



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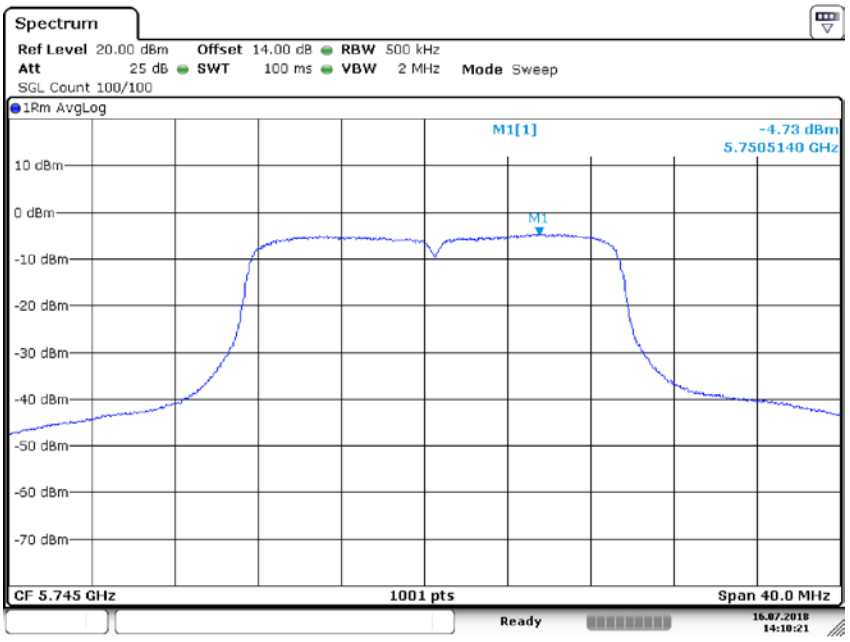
Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5745



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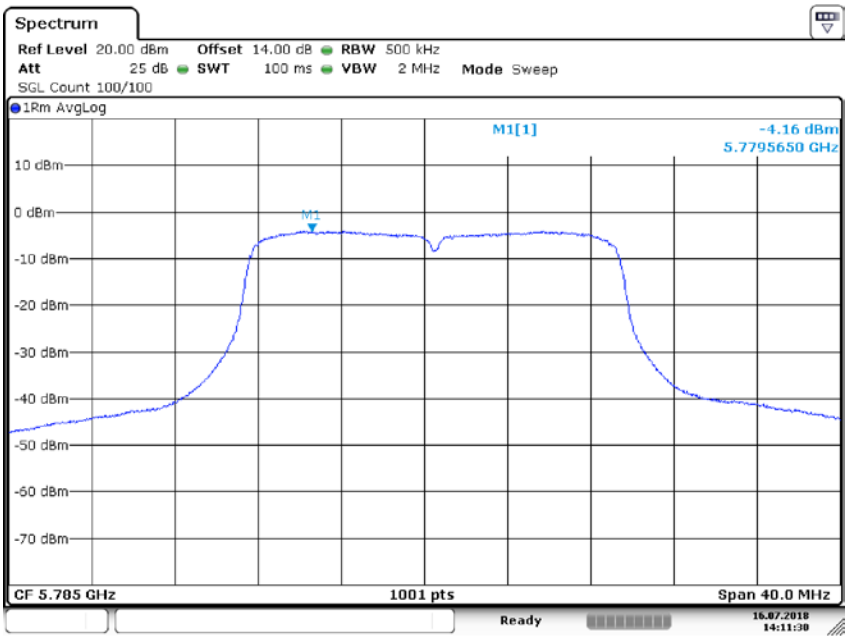
Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5785



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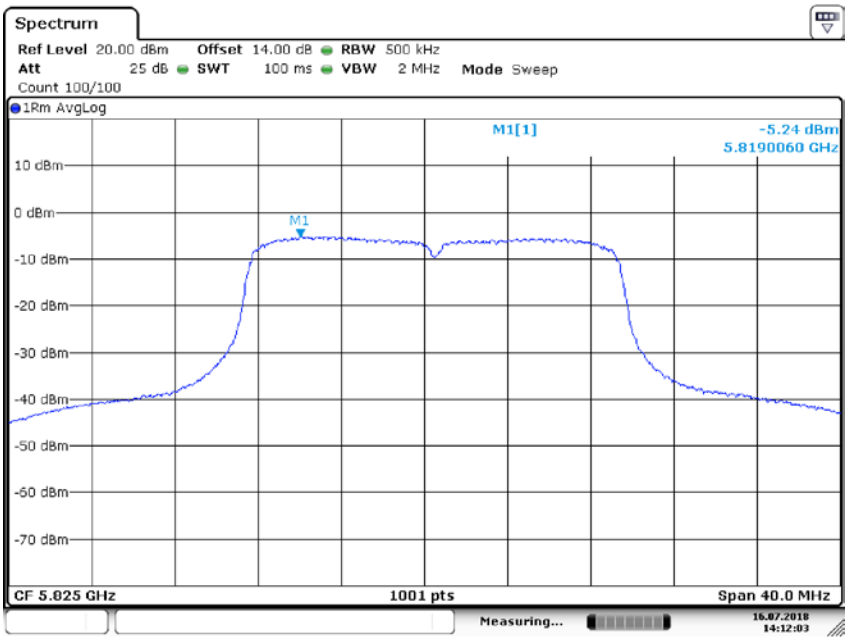
Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5825



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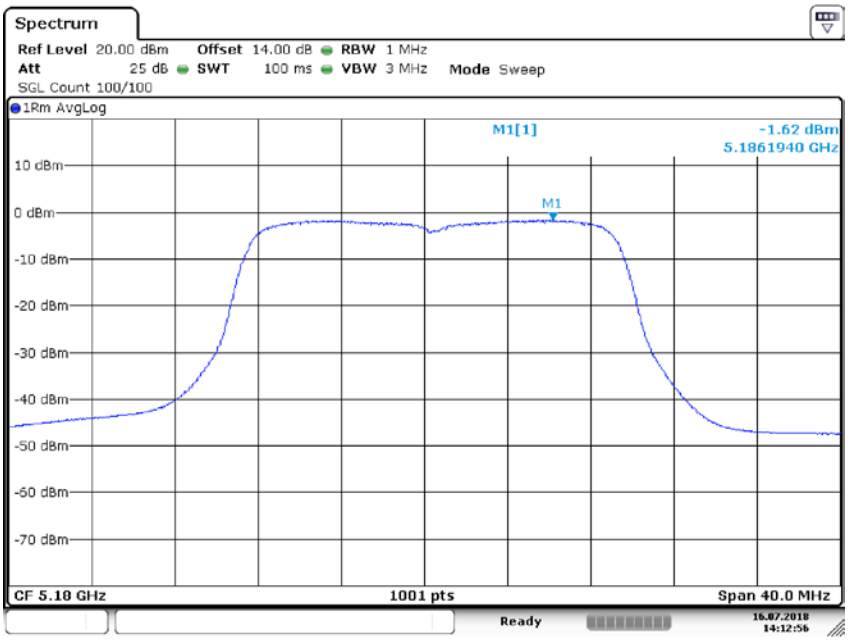
Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5180



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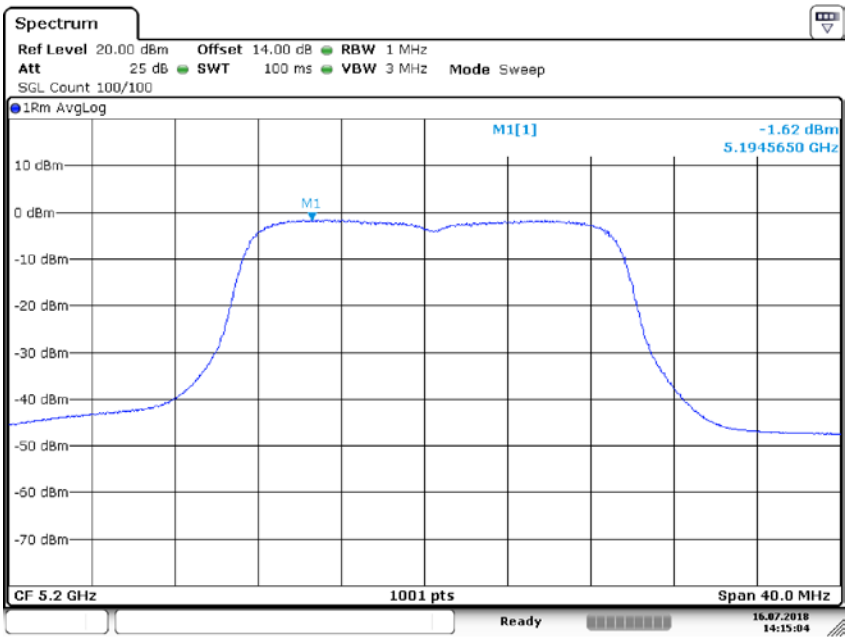
Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5200



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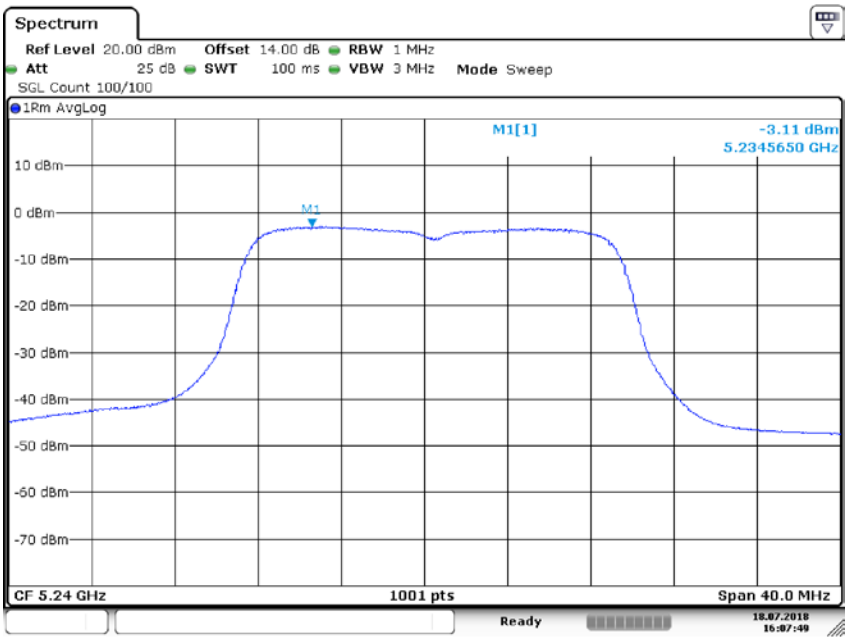
Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5240



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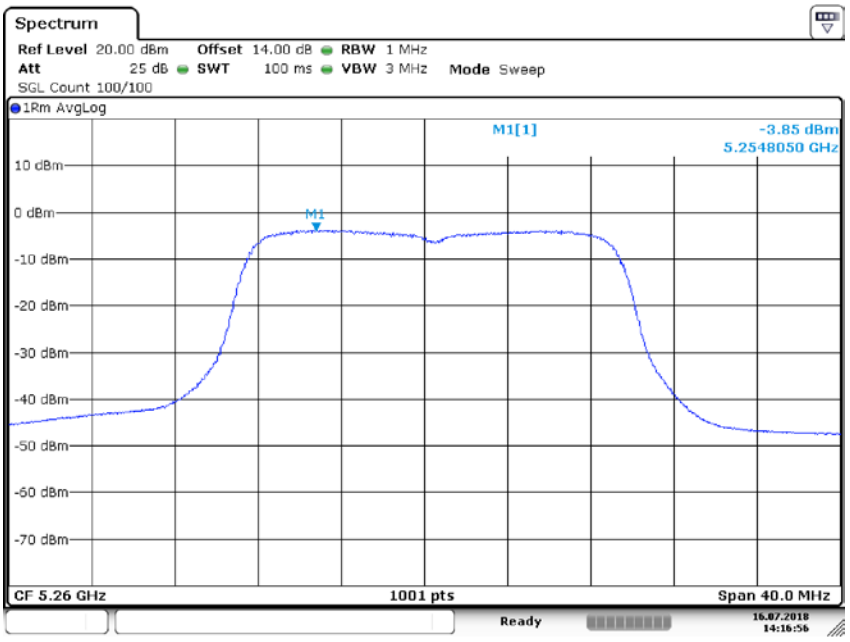
Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5260



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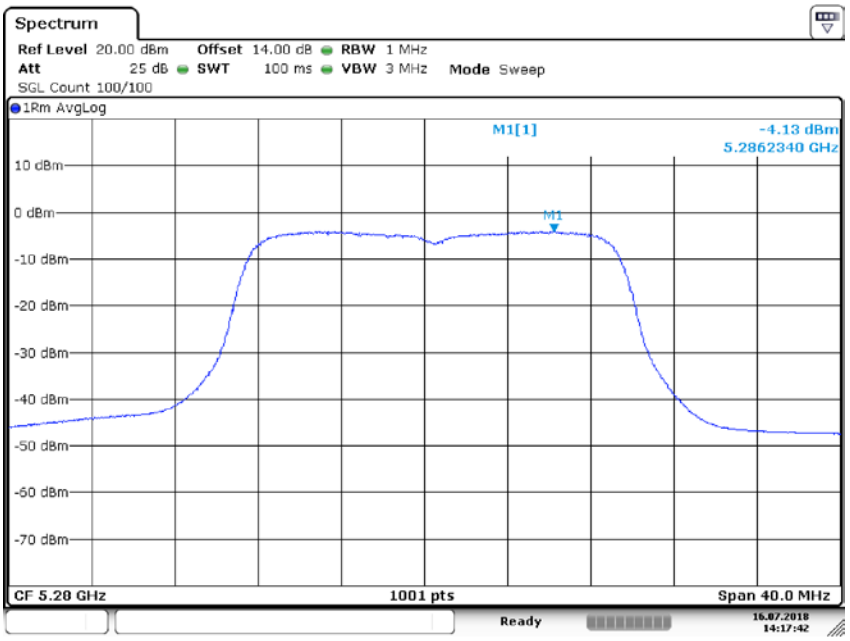
Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5280



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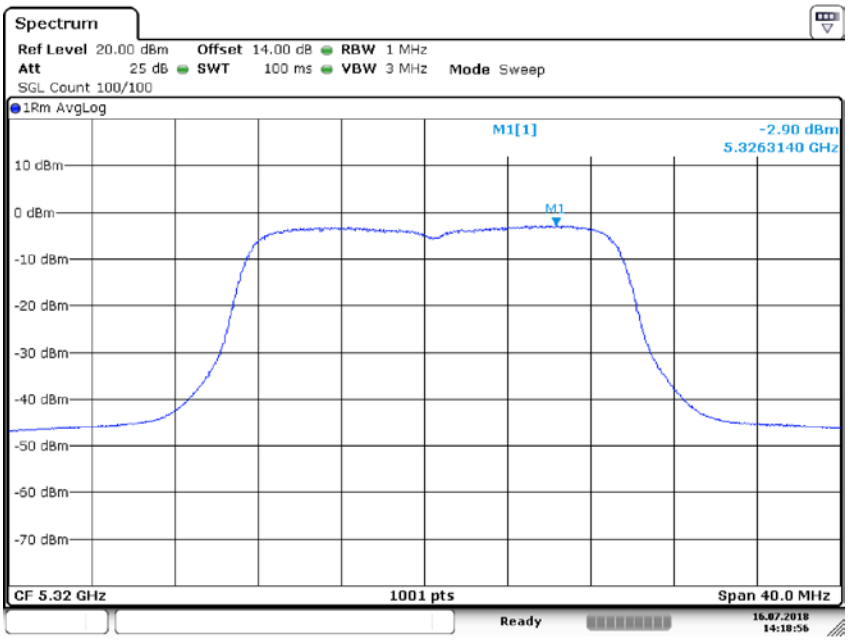
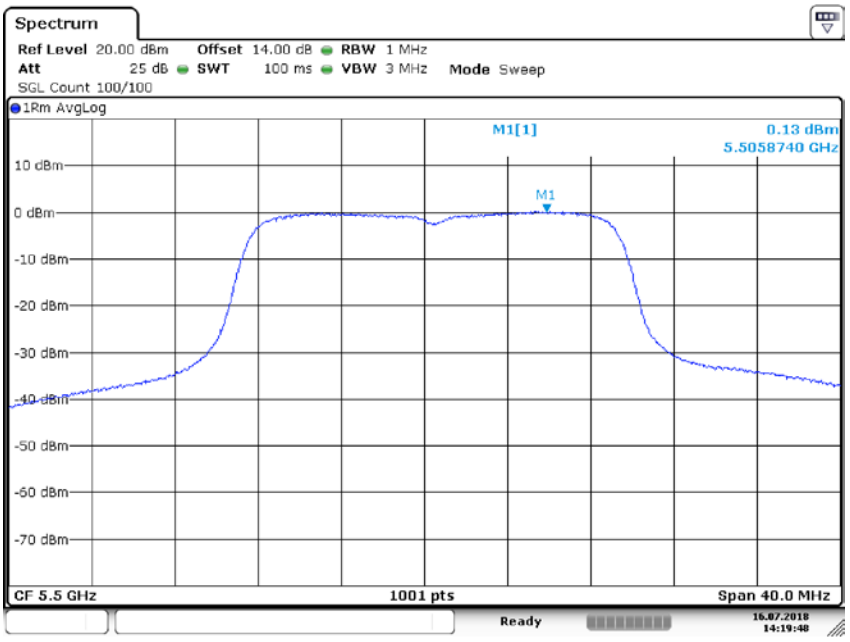
Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5320



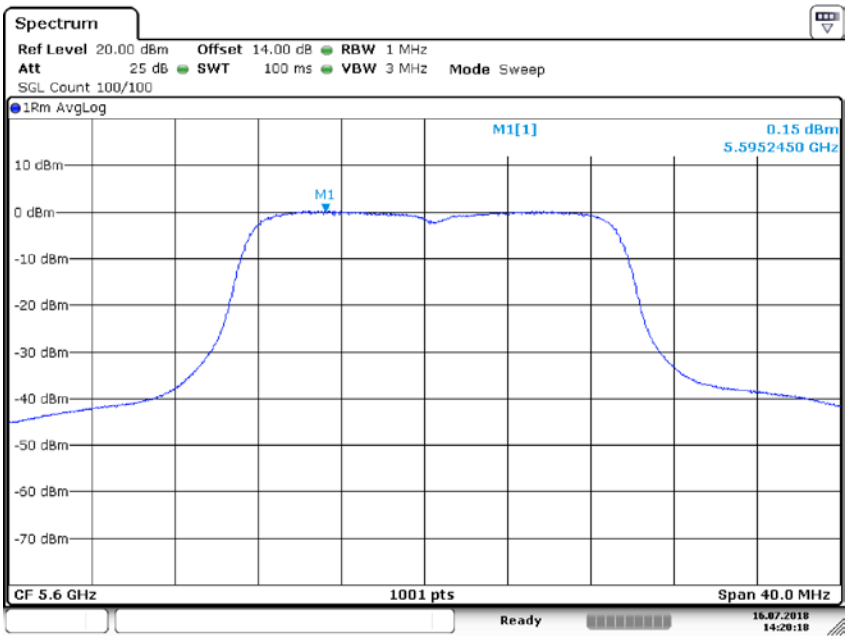
Date: 16.JUL.2018 14:18:56

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5500



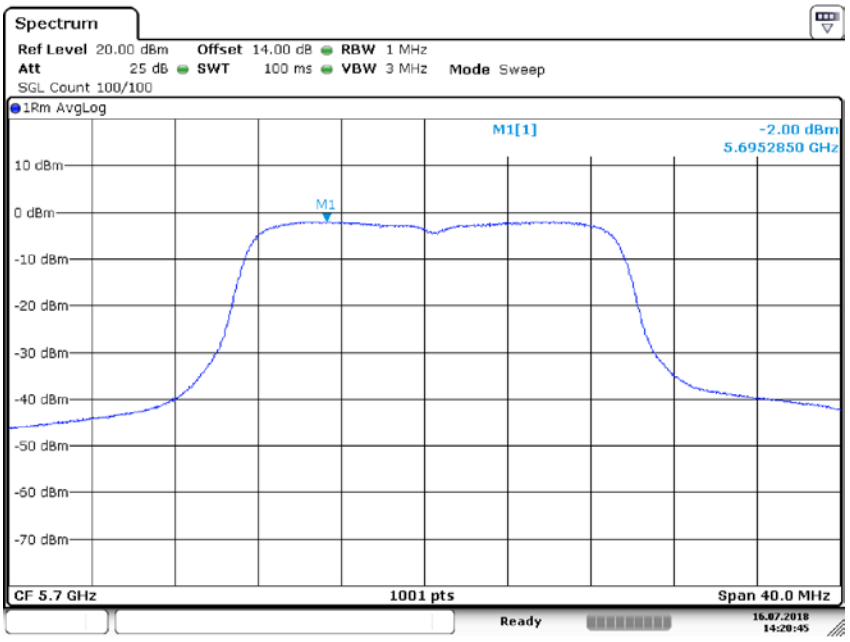
Date: 16.JUL.2018 14:19:49

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5600



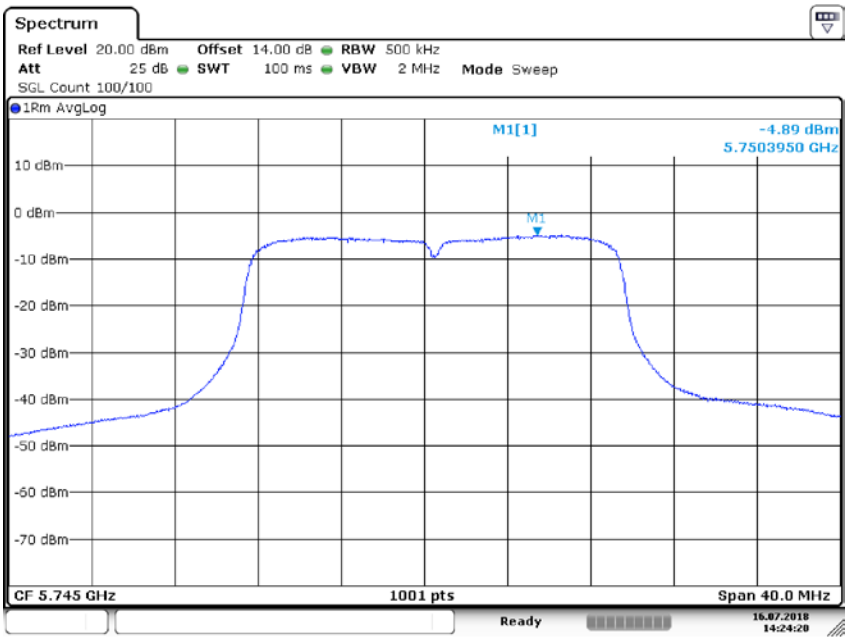
Date: 16.JUL.2018 14:20:17

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5700



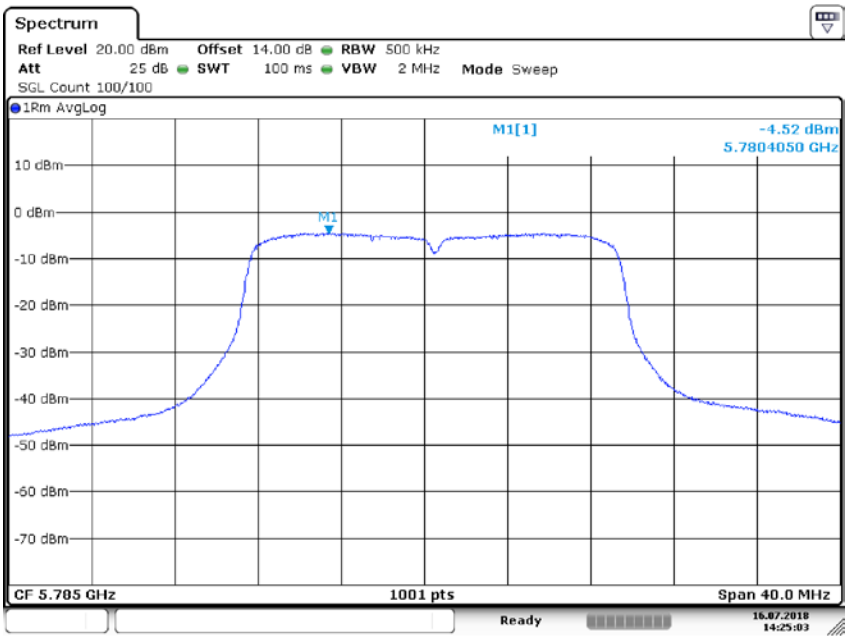
Date: 16.JUL.2018 14:20:45

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5745



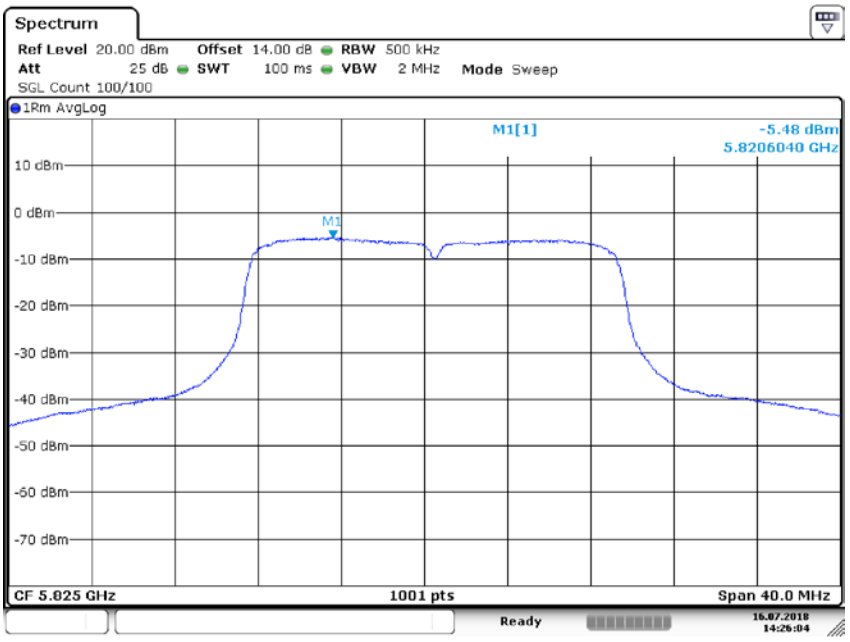
Date: 16.JUL.2018 14:24:20

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5785



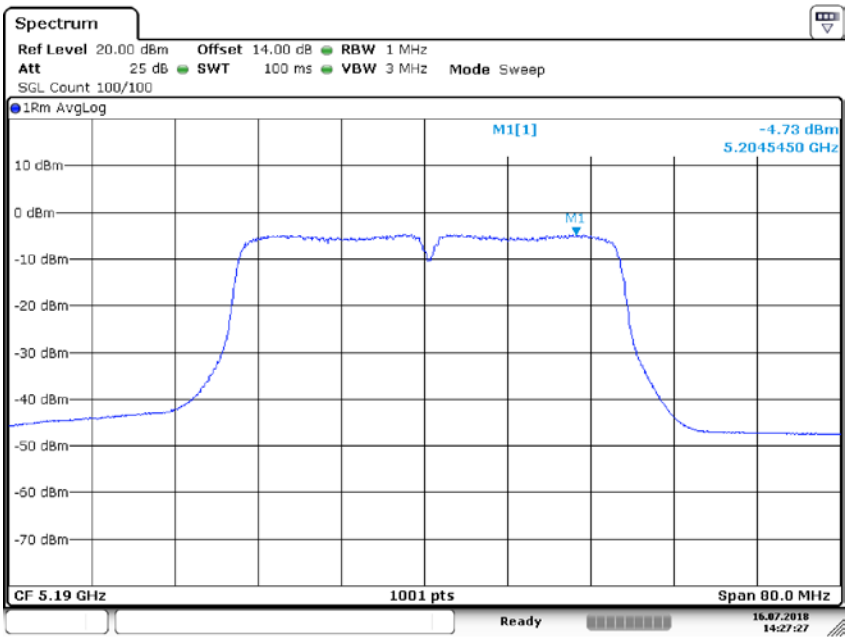
Date: 16.JUL.2018 14:25:02

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5825



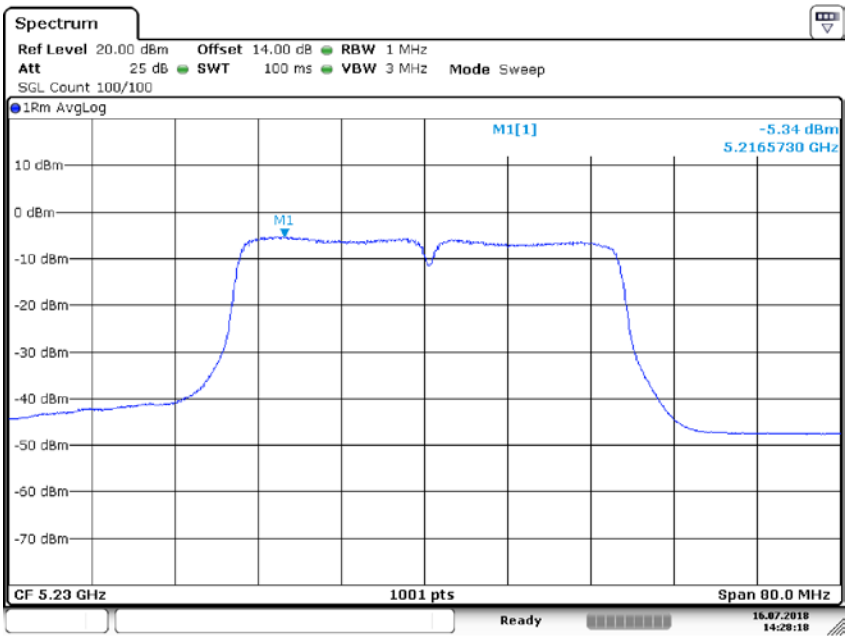
Date: 16.JUL.2018 14:26:04

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5190



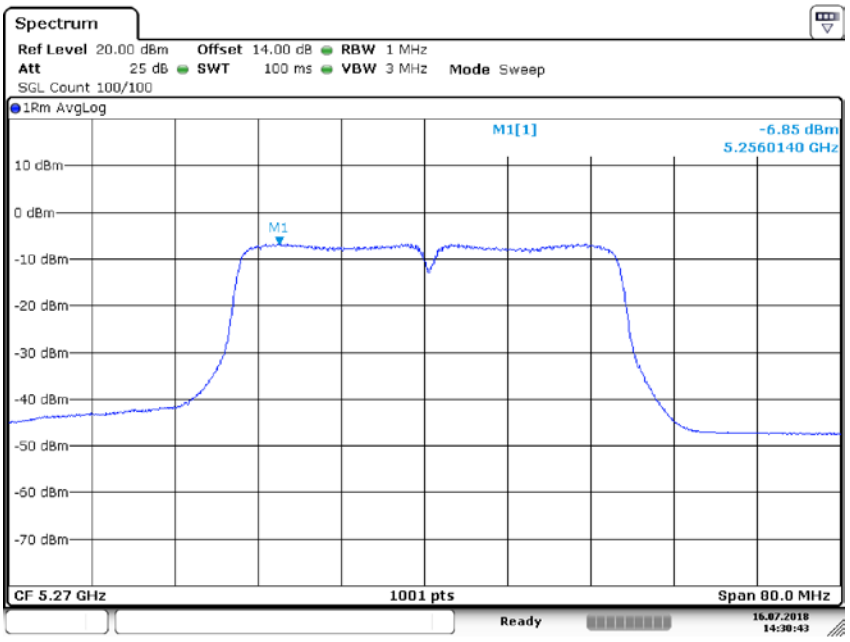
Date: 16.JUL.2018 14:27:26

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5230



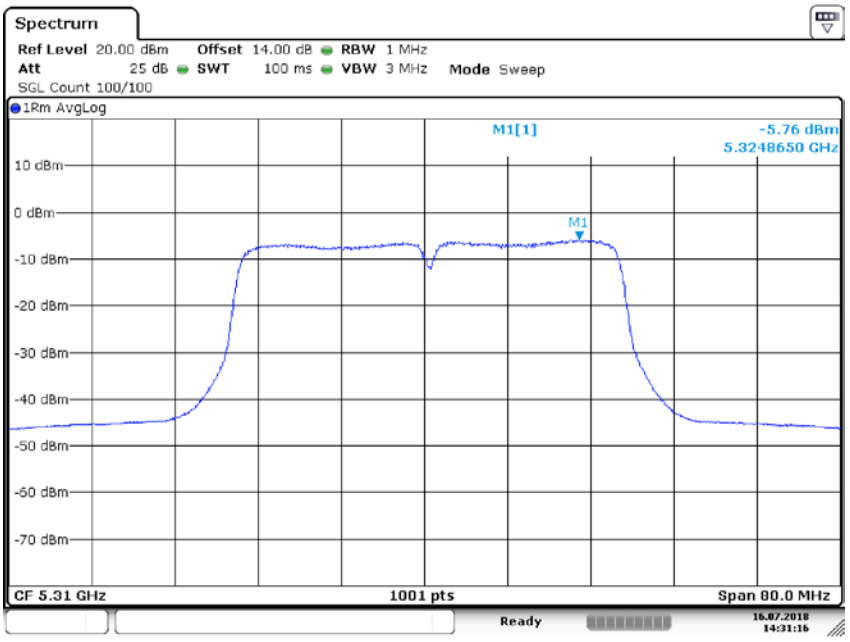
Date: 16.JUL.2018 14:28:18

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5270



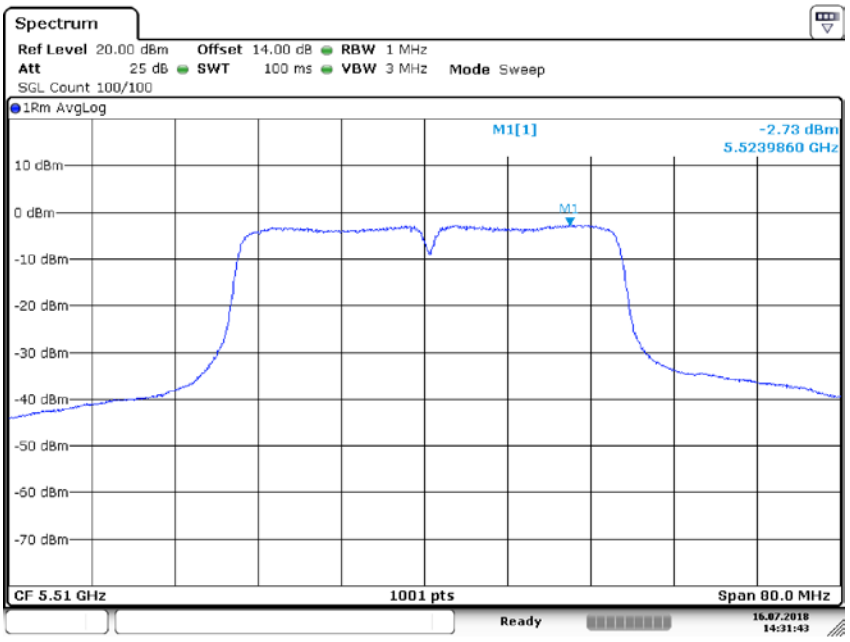
Date: 16.JUL.2018 14:30:43

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5310



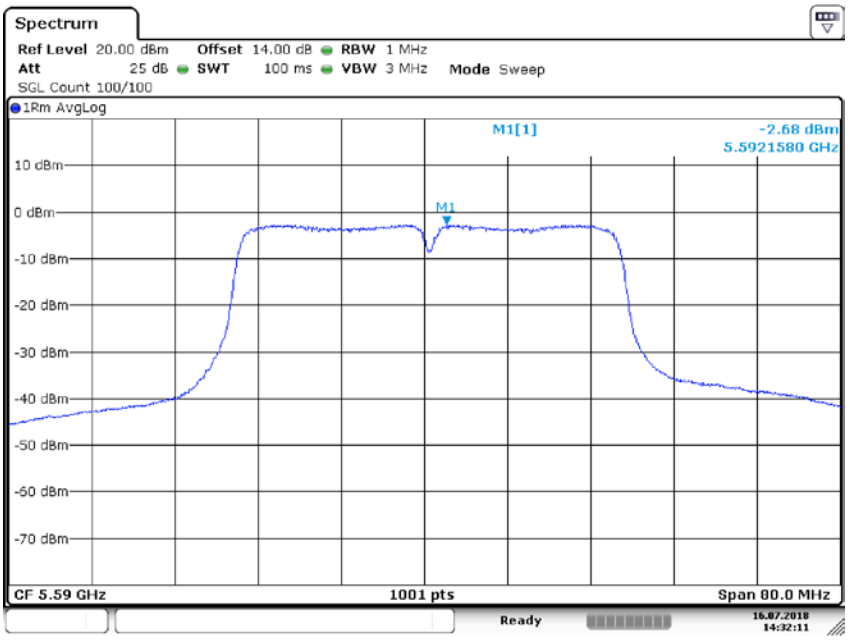
Date: 16.JUL.2018 14:31:16

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5510



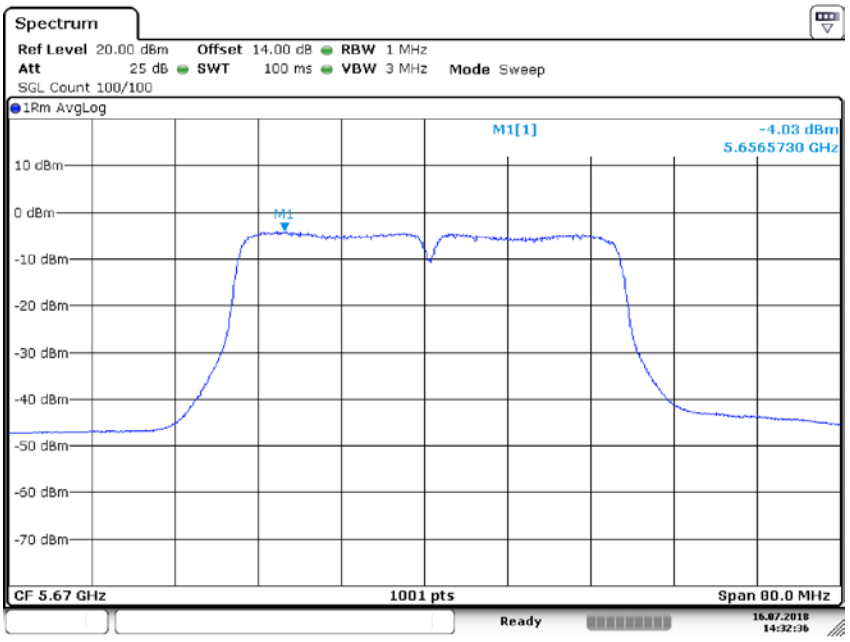
Date: 16.JUL.2018 14:31:43

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5590



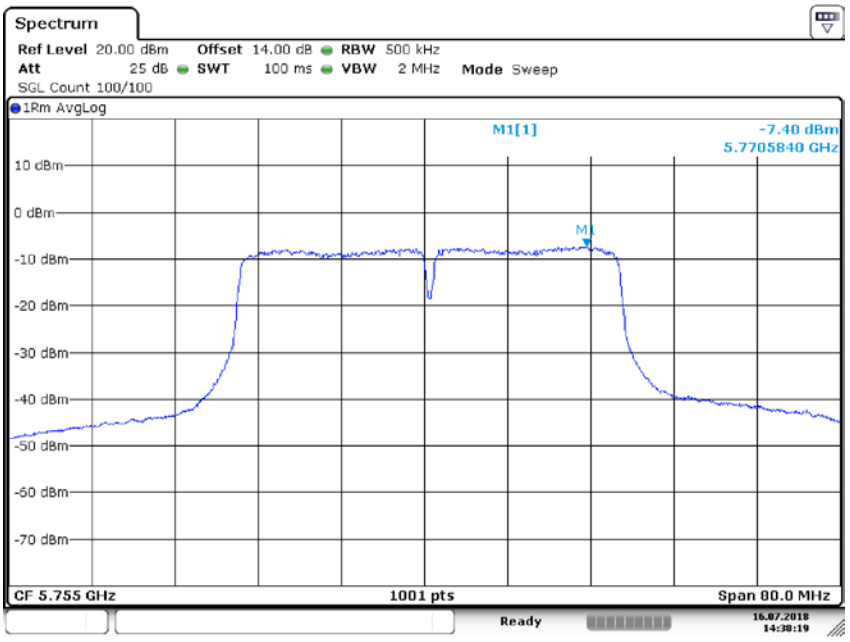
Date: 16.JUL.2018 14:32:10

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5670



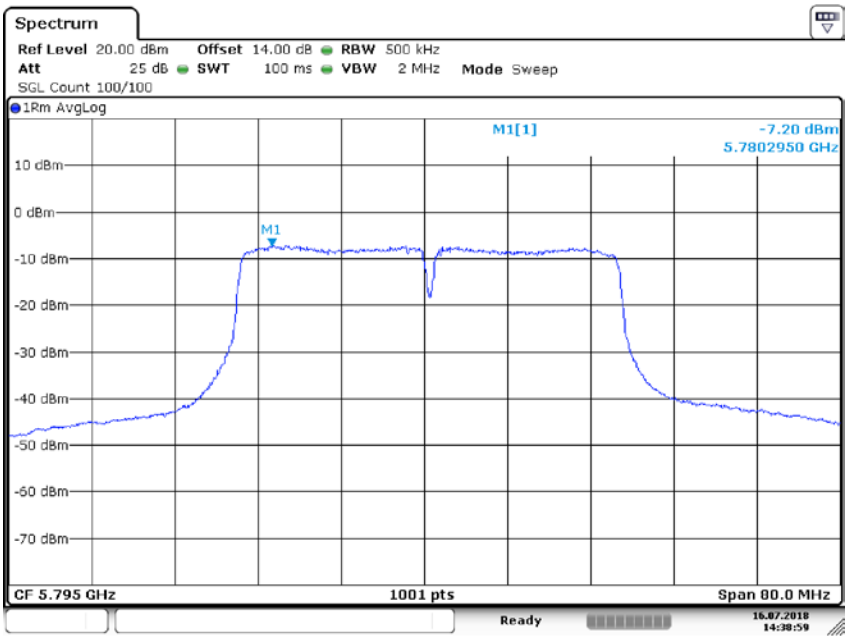
Date: 16.JUL.2018 14:32:36

Power Spectral Density		UNII Band III	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5755



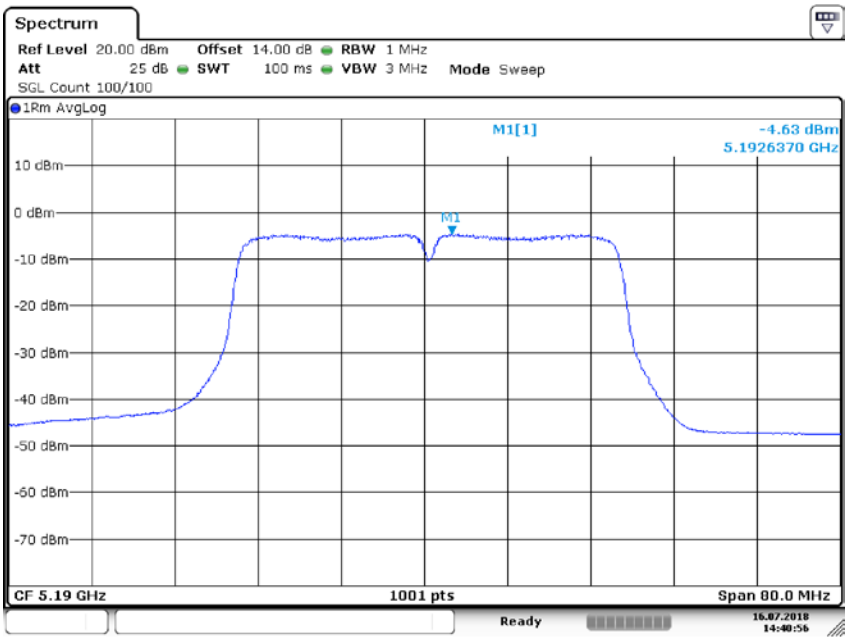
Date: 16.JUL.2018 14:38:18

Power Spectral Density		UNII Band III	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5795



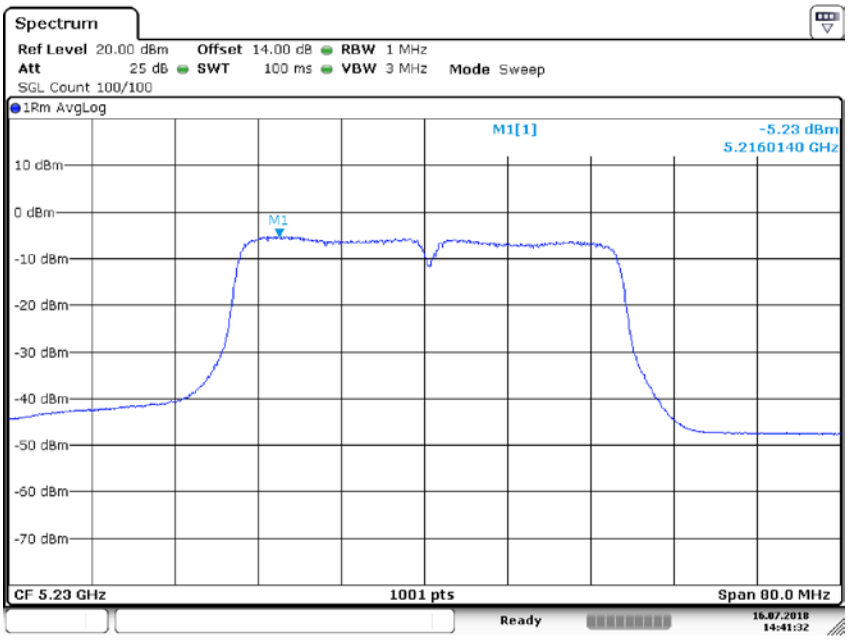
Date: 16.JUL.2018 14:38:59

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5190



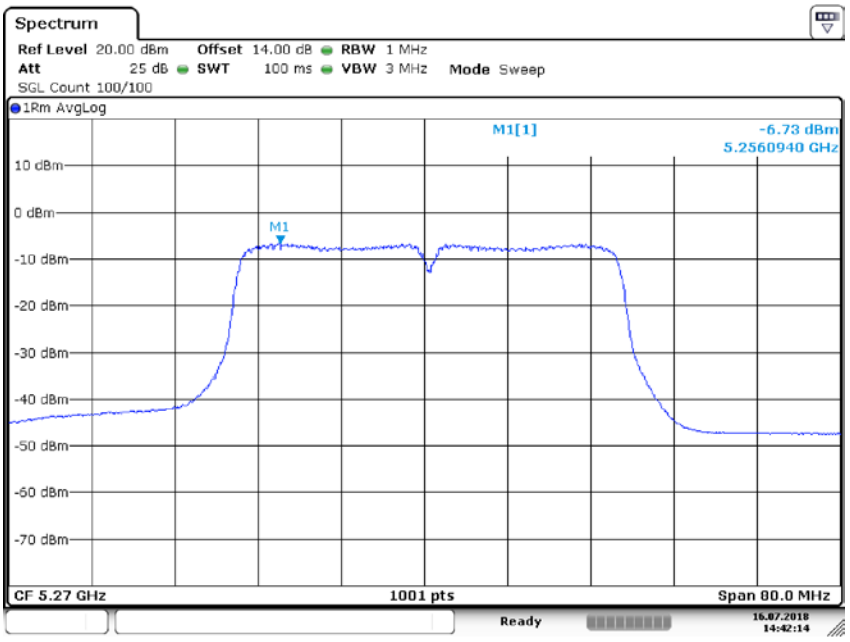
Date: 16.JUL.2018 14:40:55

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5230



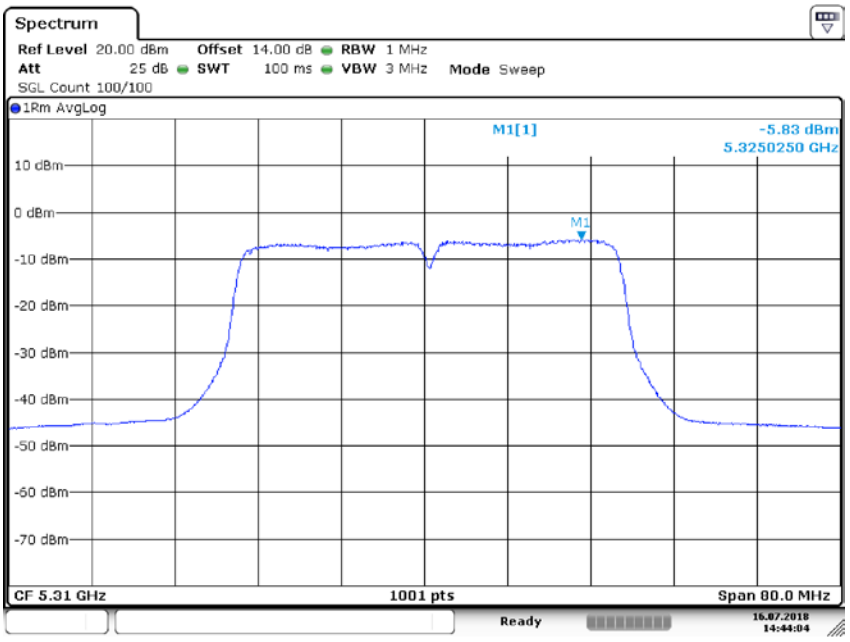
Date: 16.JUL.2018 14:41:32

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5270



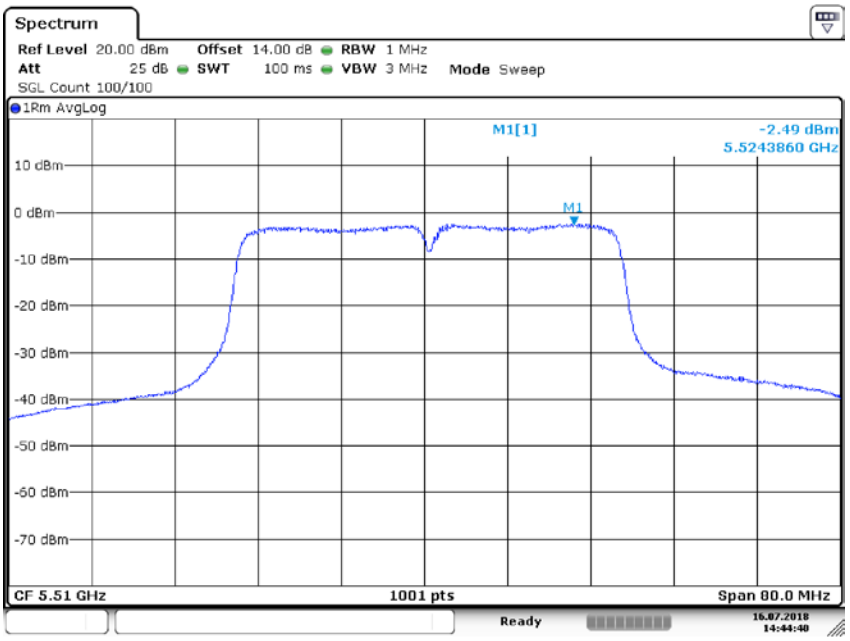
Date: 16.JUL.2018 14:42:14

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5310



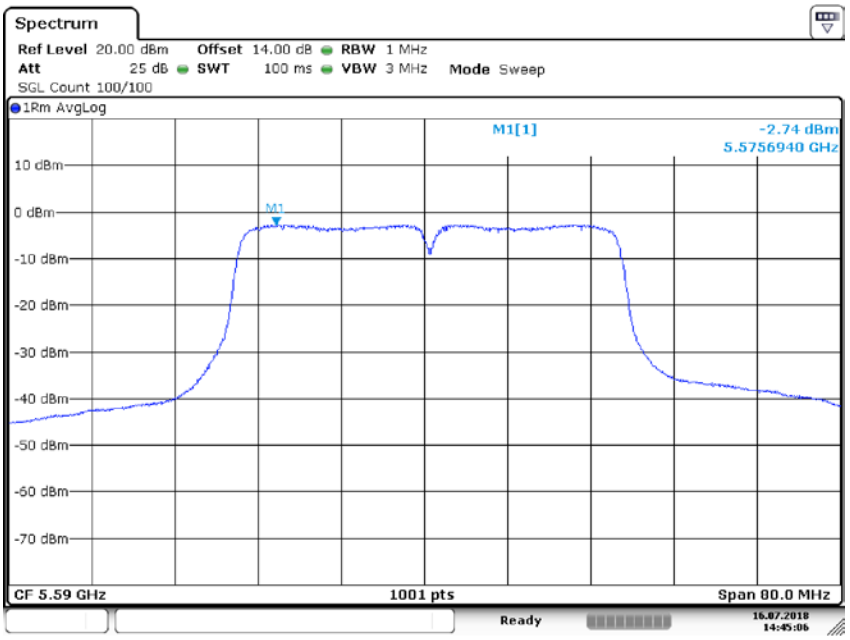
Date: 16.JUL.2018 14:44:05

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5510



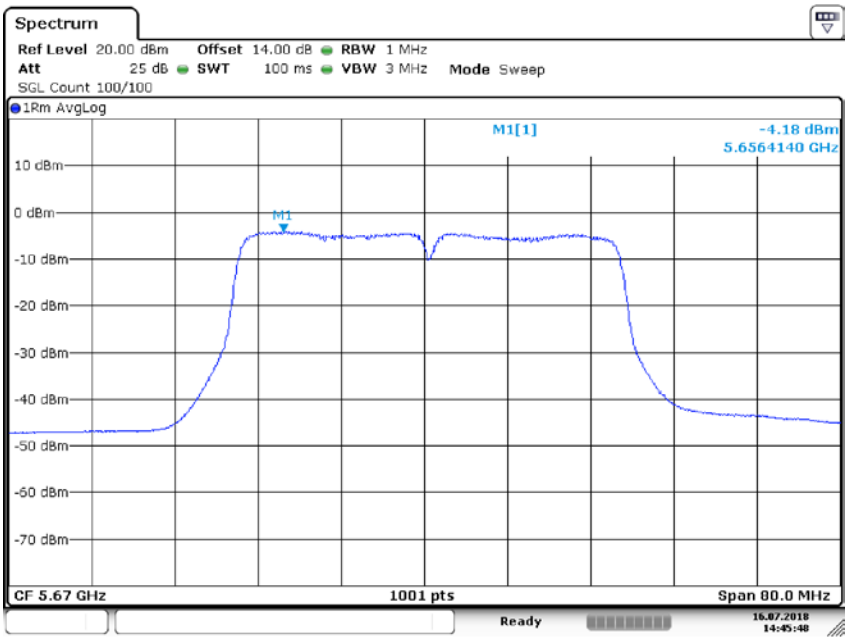
Date: 16.JUL.2018 14:44:40

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5590



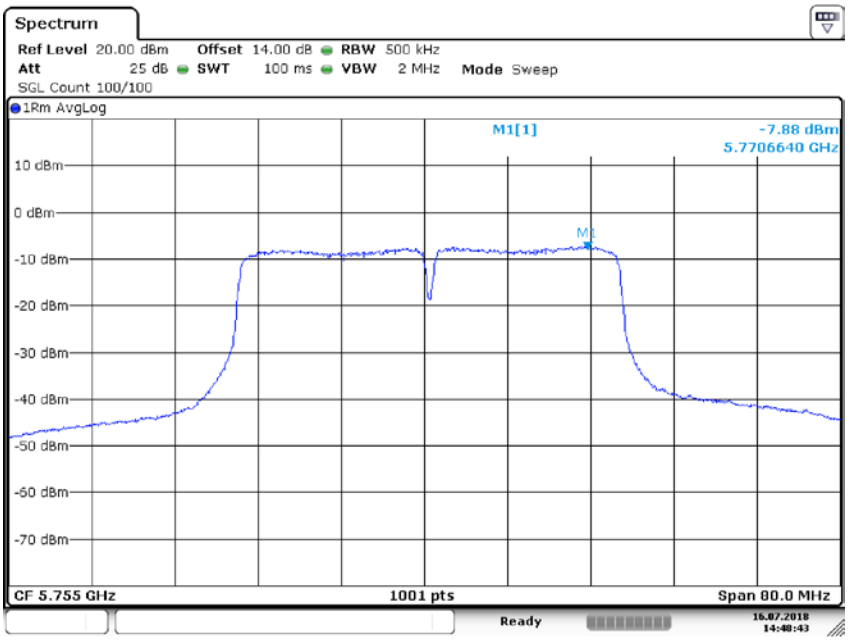
Date: 16.JUL.2018 14:45:07

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5670



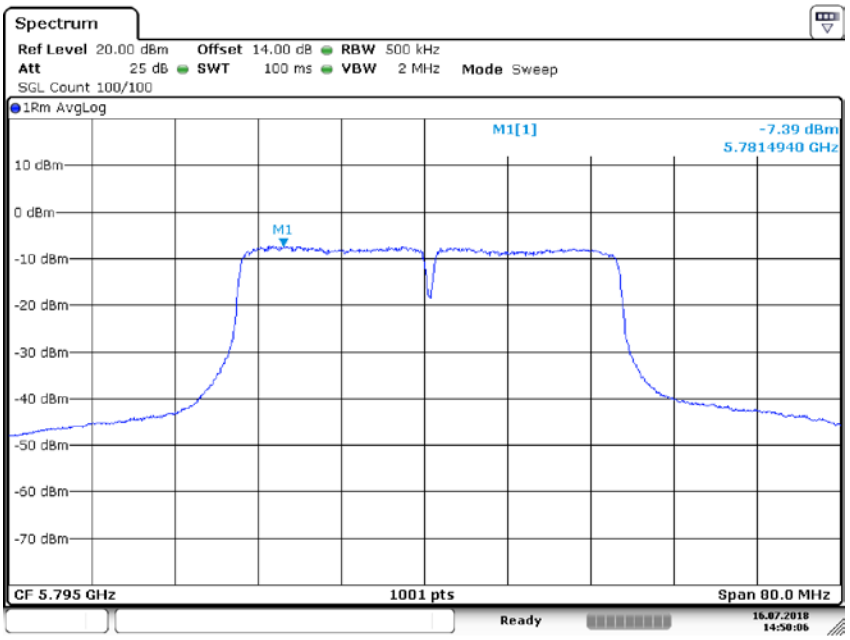
Date: 16.JUL.2018 14:45:48

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5755



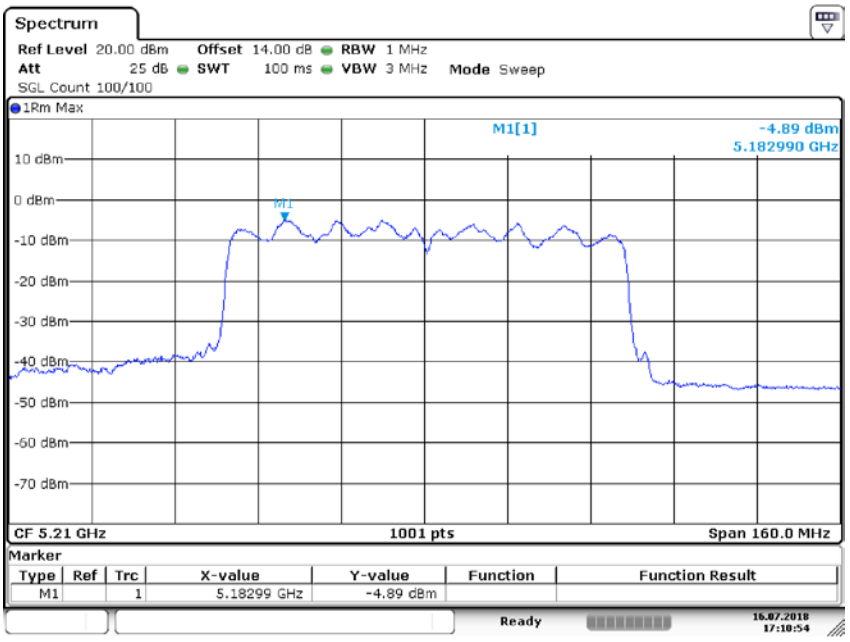
Date: 16.JUL.2018 14:48:44

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5795



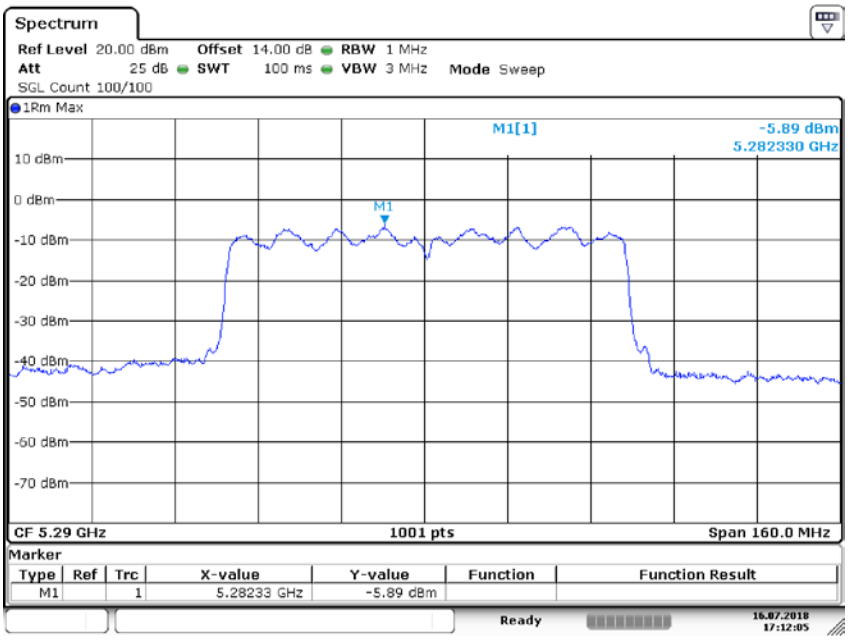
Date: 16.JUL.2018 14:50:06

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5210



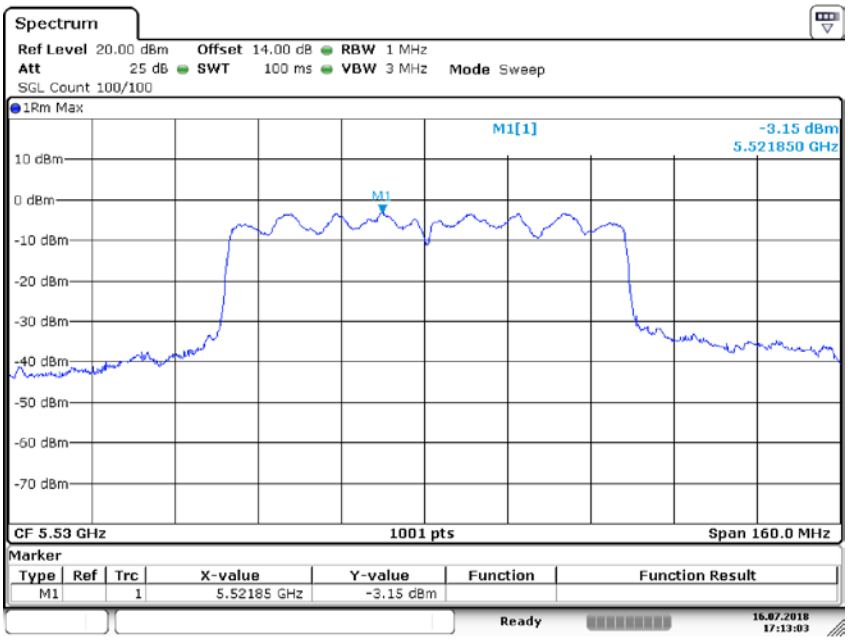
Date: 16.JUL.2018 17:10:54

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5290



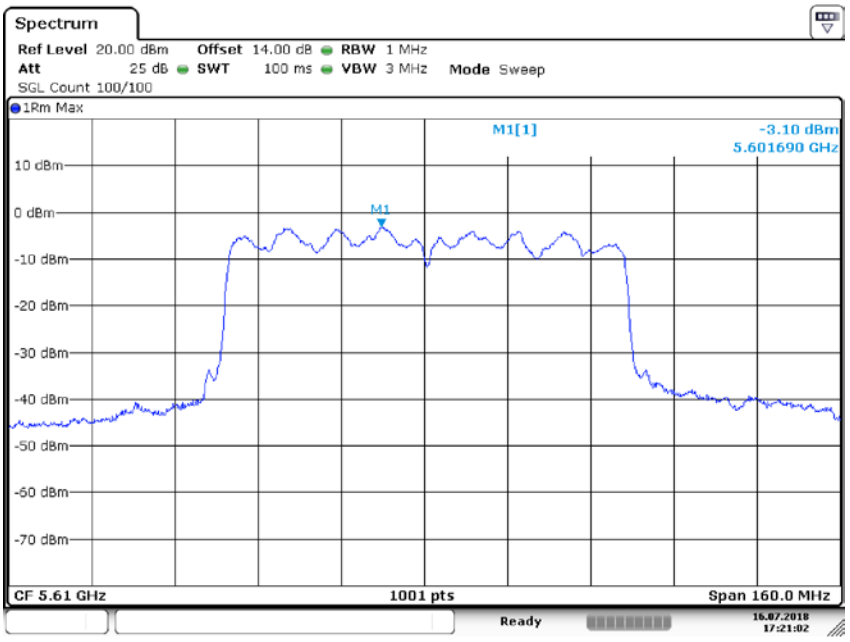
Date: 16.JUL.2018 17:12:05

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5530



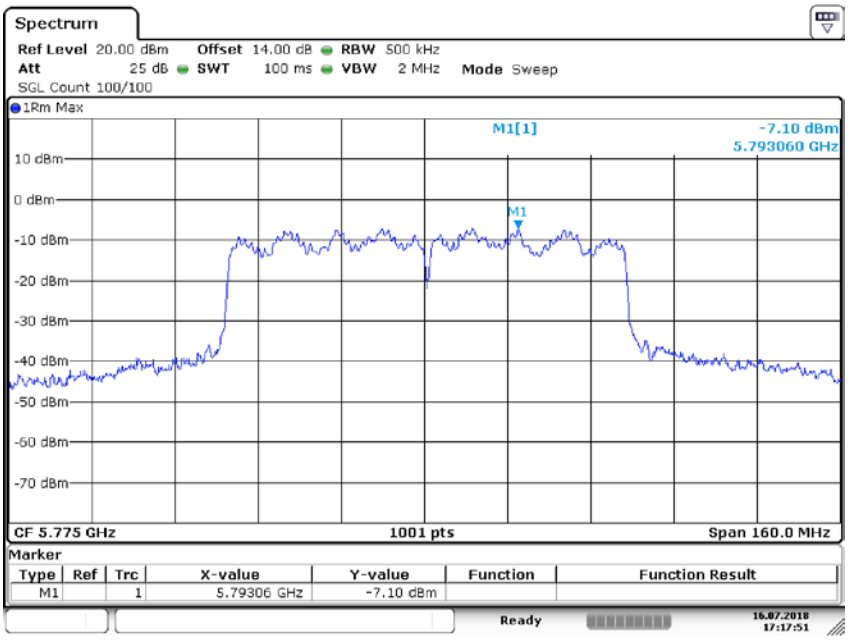
Date: 16.JUL.2018 17:13:03

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5610



Date: 16.JUL.2018 17:21:02

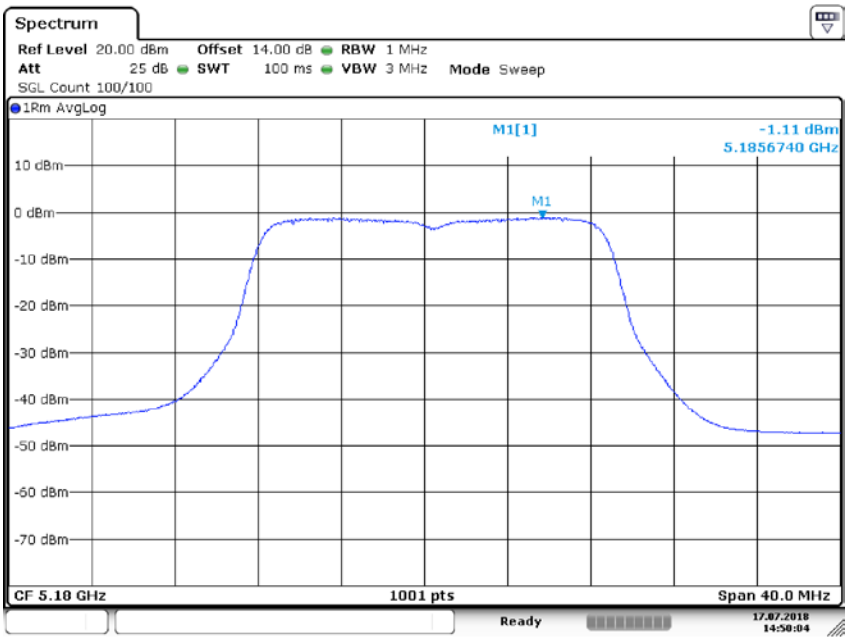
Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5775



Date: 16.JUL.2018 17:17:50

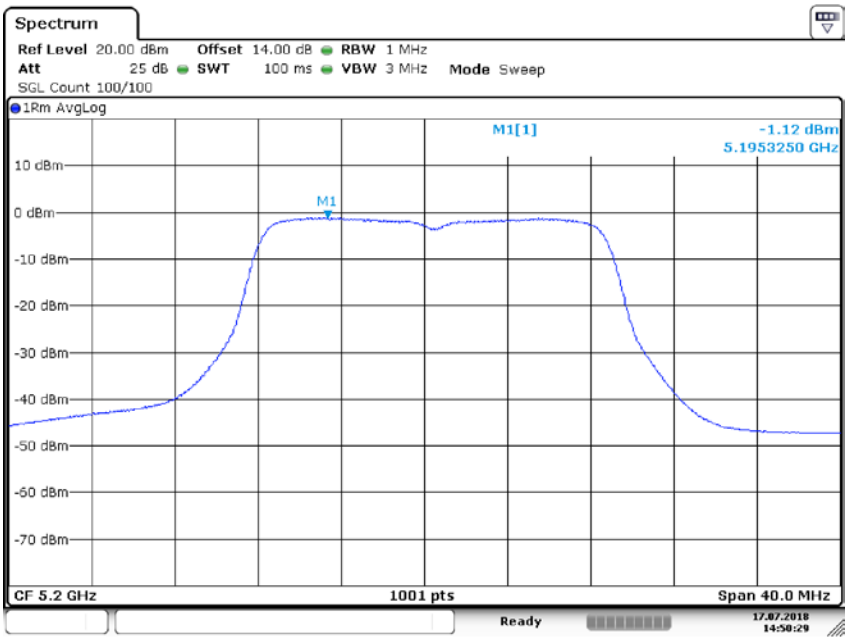
B. Antenna 1

Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5180



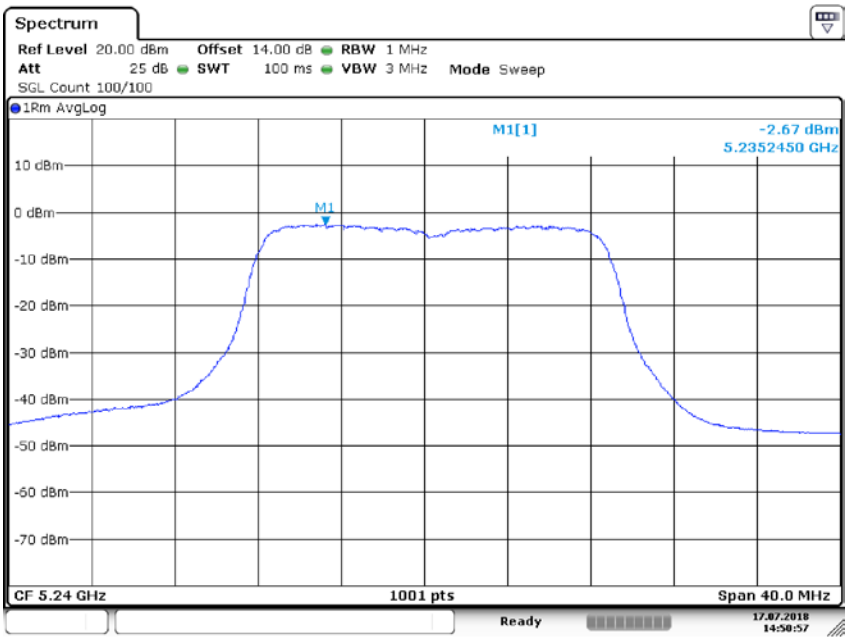
Date: 17.JUL.2018 14:50:04

Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5200



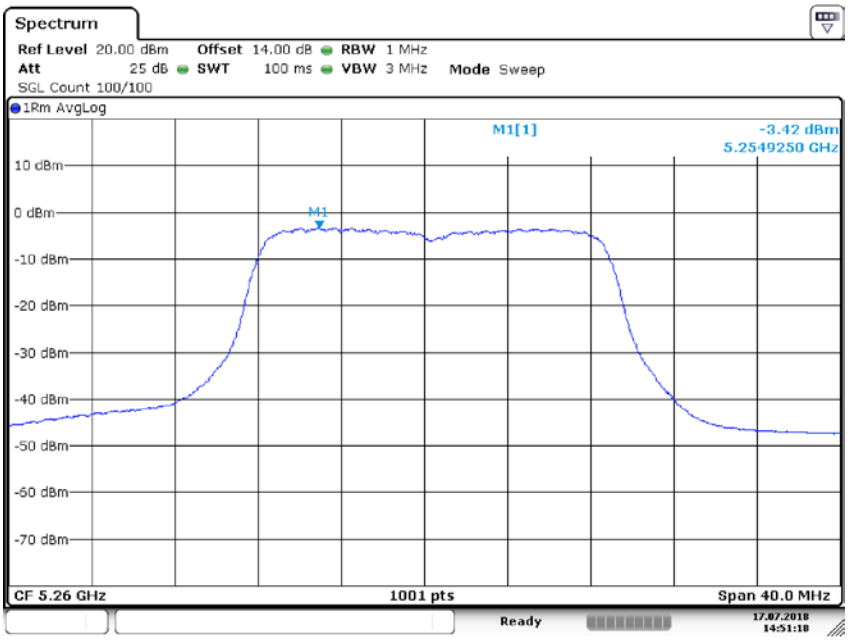
Date: 17.JUL.2018 14:50:29

Power Spectral Density		UNII Band I	
Test Model	802.11a	Frequency(MHz)	5240



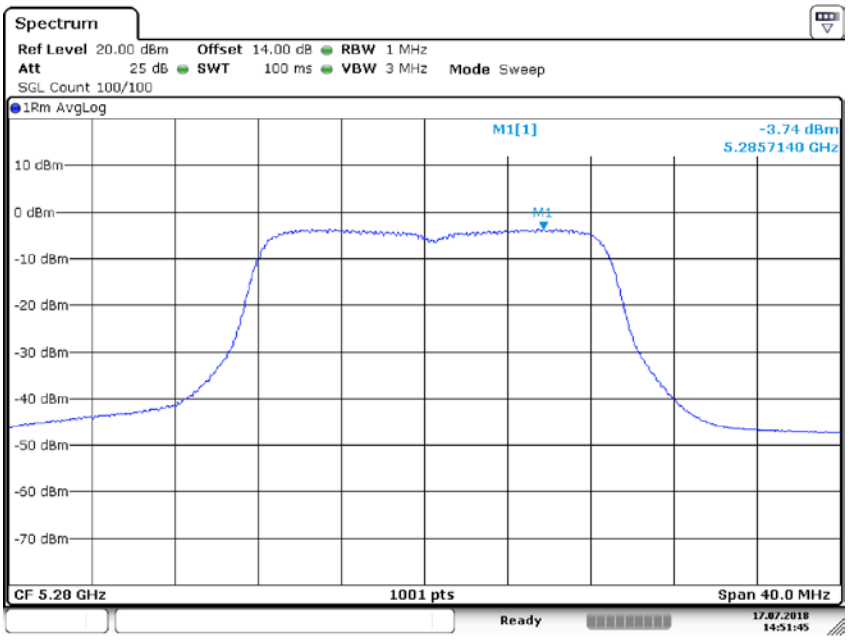
Date: 17.JUL.2018 14:50:57

Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5260



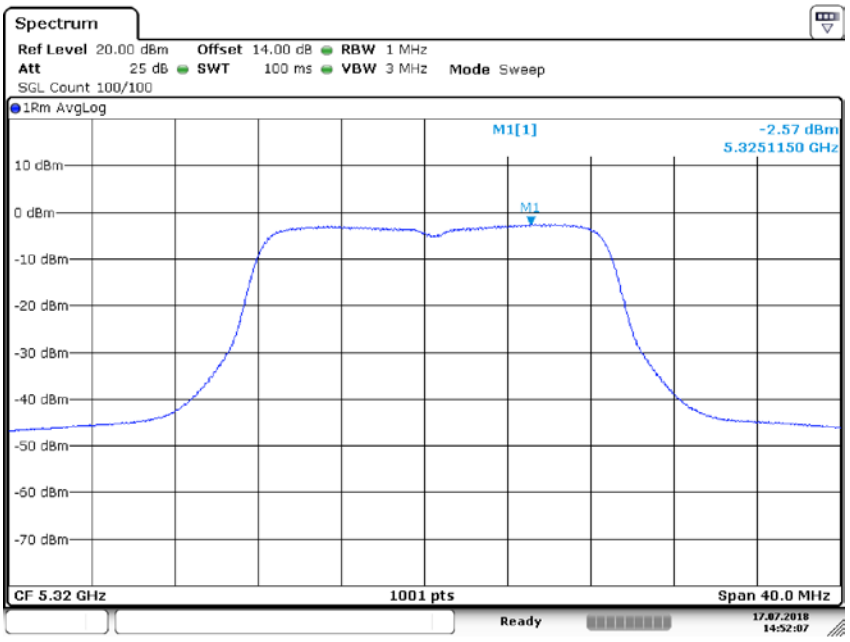
Date: 17.JUL.2018 14:51:17

Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5280



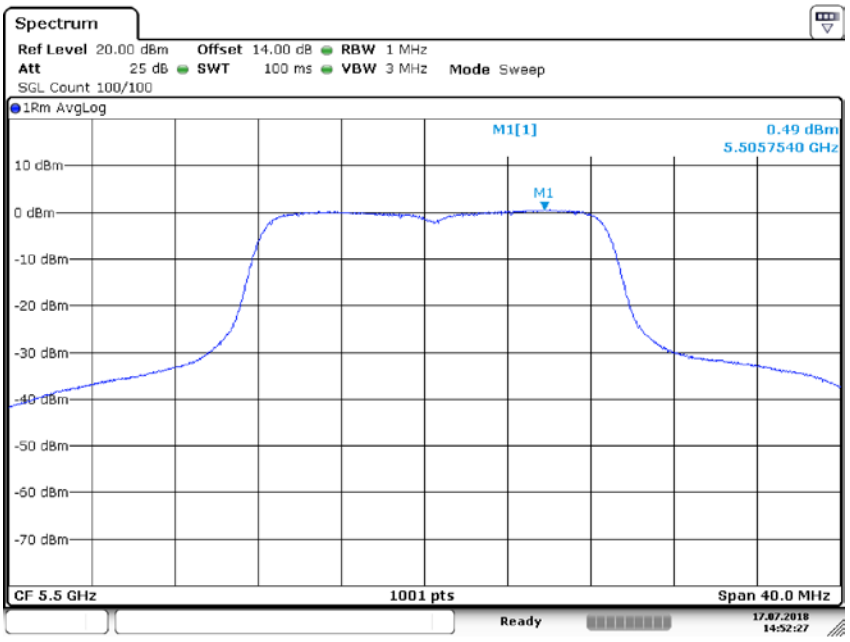
Date: 17.JUL.2018 14:51:44

Power Spectral Density		UNII Band II-A	
Test Model	802.11a	Frequency(MHz)	5320



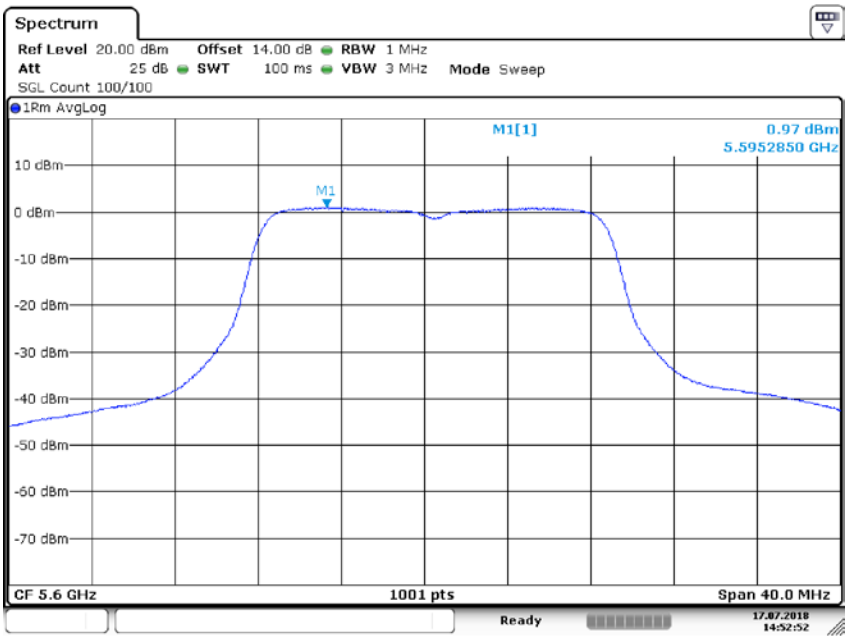
Date: 17.JUL.2018 14:52:06

Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5500



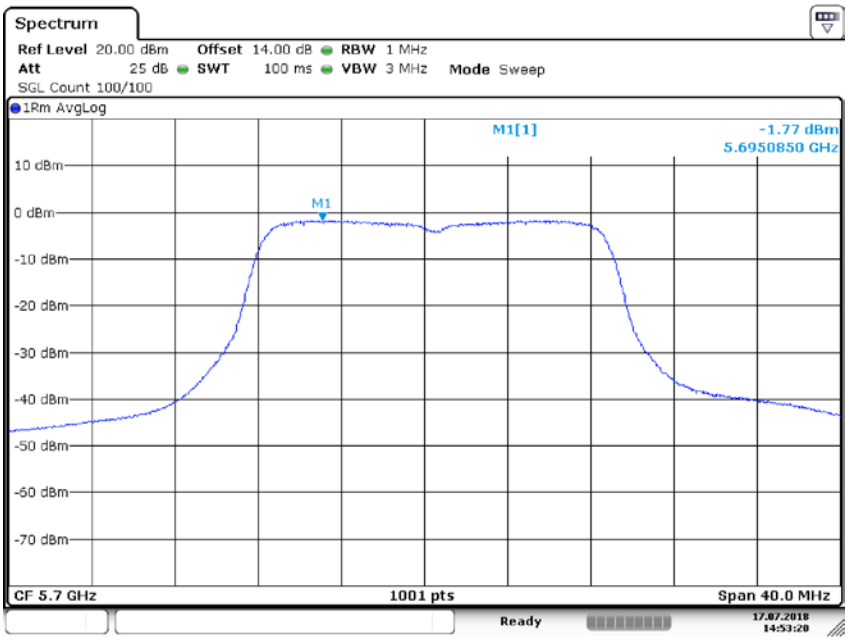
Date: 17.JUL.2018 14:52:27

Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5600



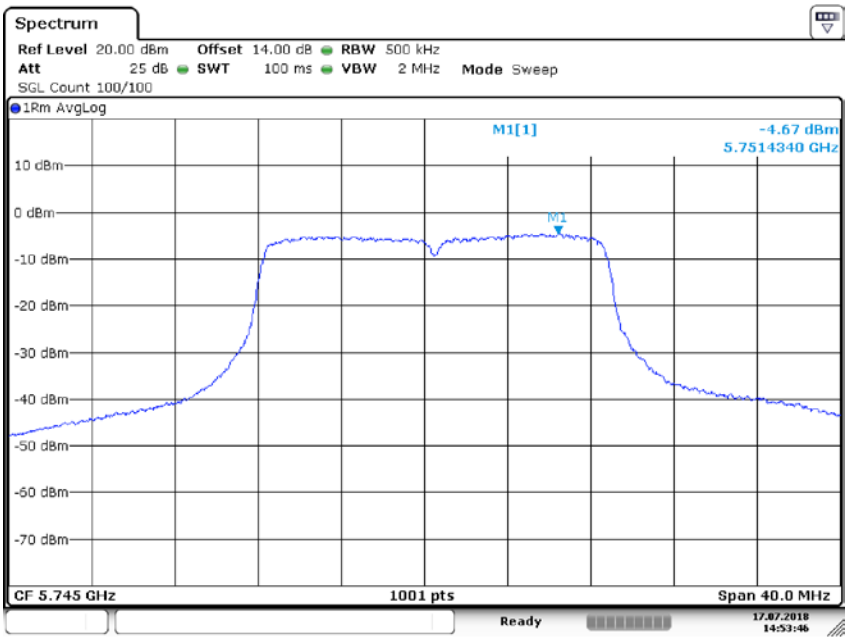
Date: 17.JUL.2018 14:52:52

Power Spectral Density		UNII Band II-C	
Test Model	802.11a	Frequency(MHz)	5700



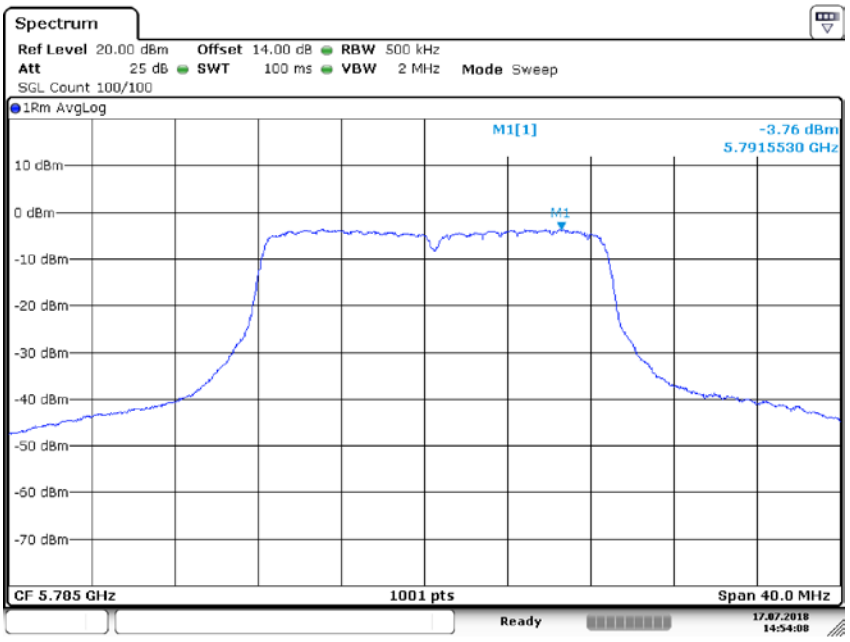
Date: 17.JUL.2018 14:53:20

Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5745



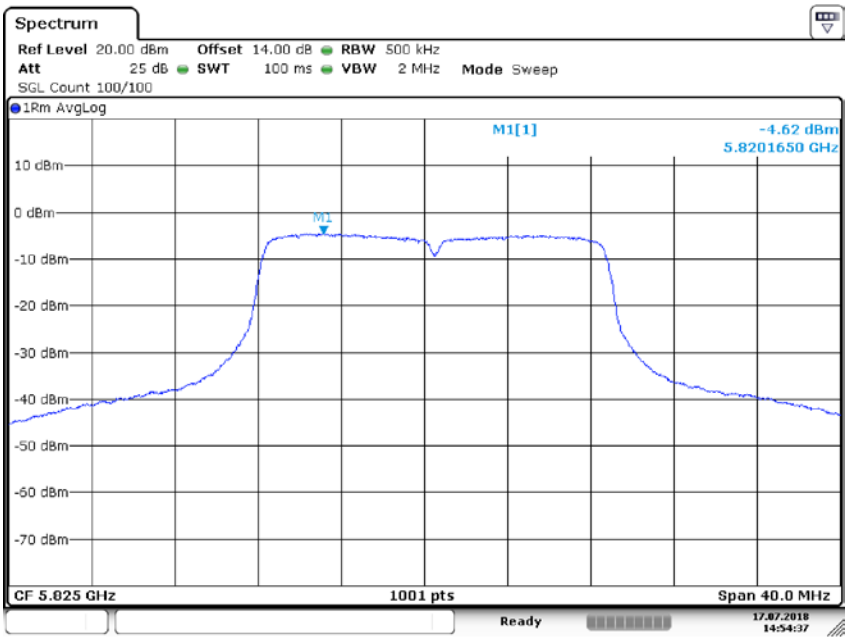
Date: 17.JUL.2018 14:53:46

Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5785



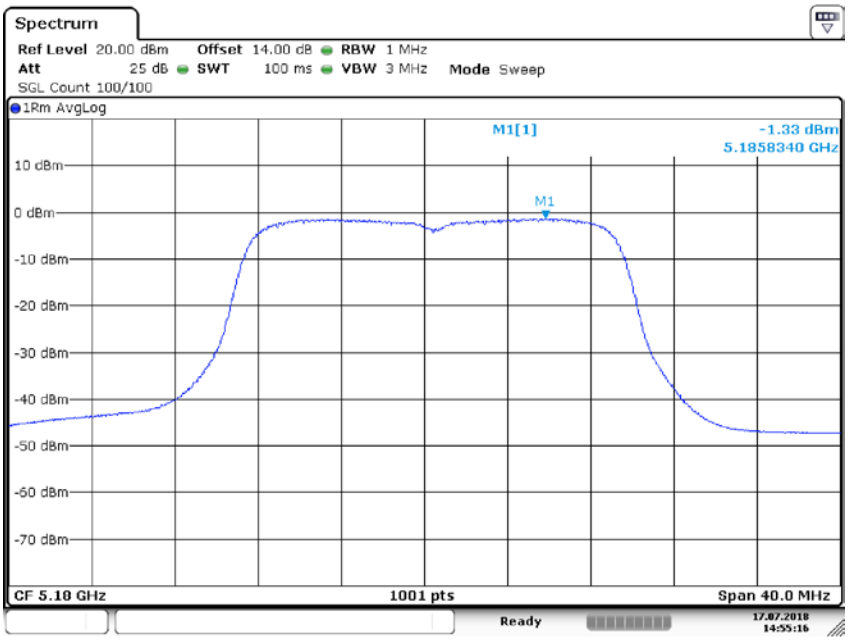
Date: 17.JUL.2018 14:54:08

Power Spectral Density		UNII Band III	
Test Model	802.11a	Frequency(MHz)	5825



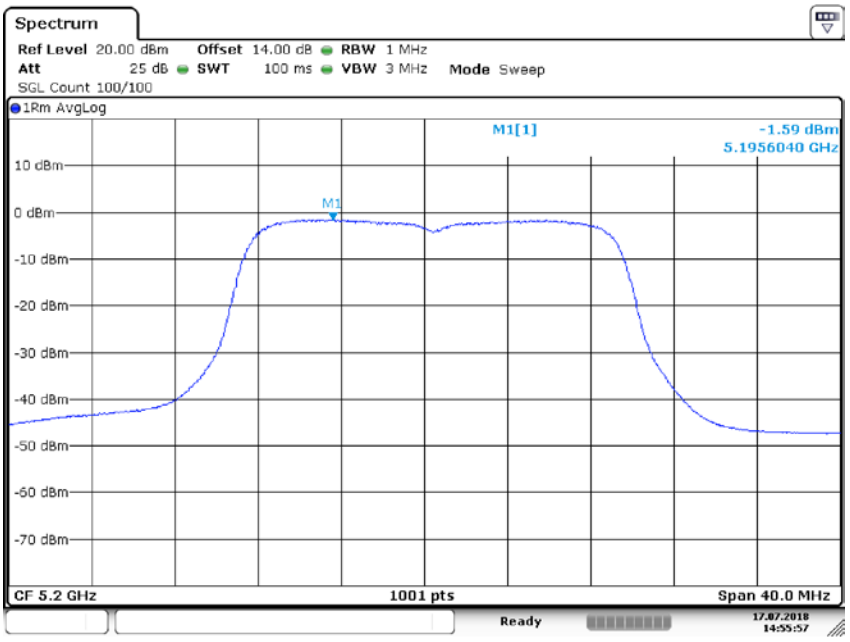
Date: 17.JUL.2018 14:54:36

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5180



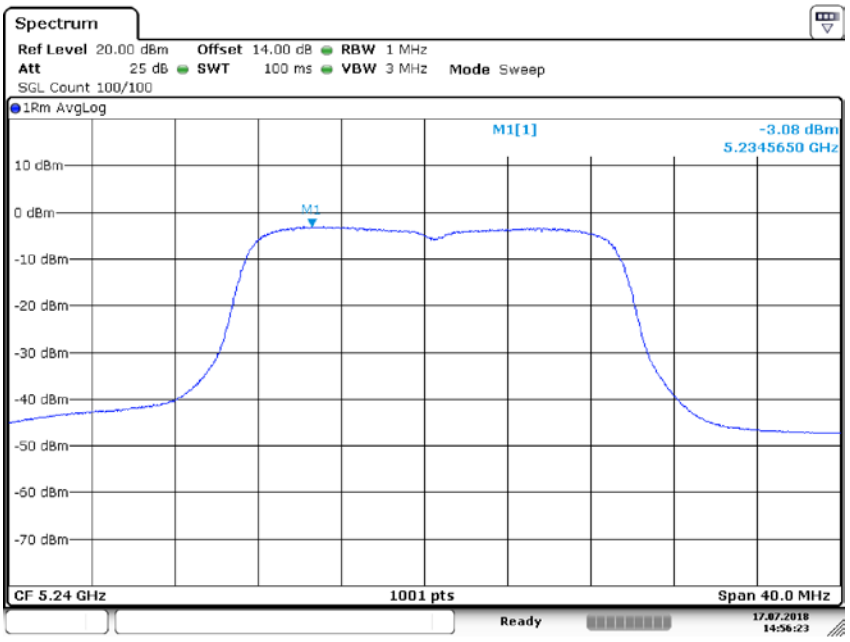
Date: 17.JUL.2018 14:55:17

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5200



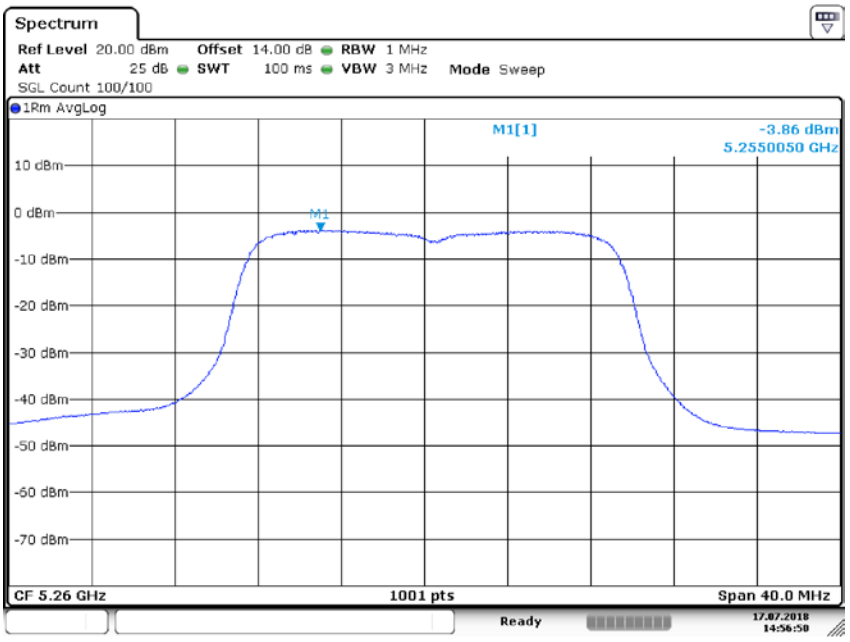
Date: 17.JUL.2018 14:55:56

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5240



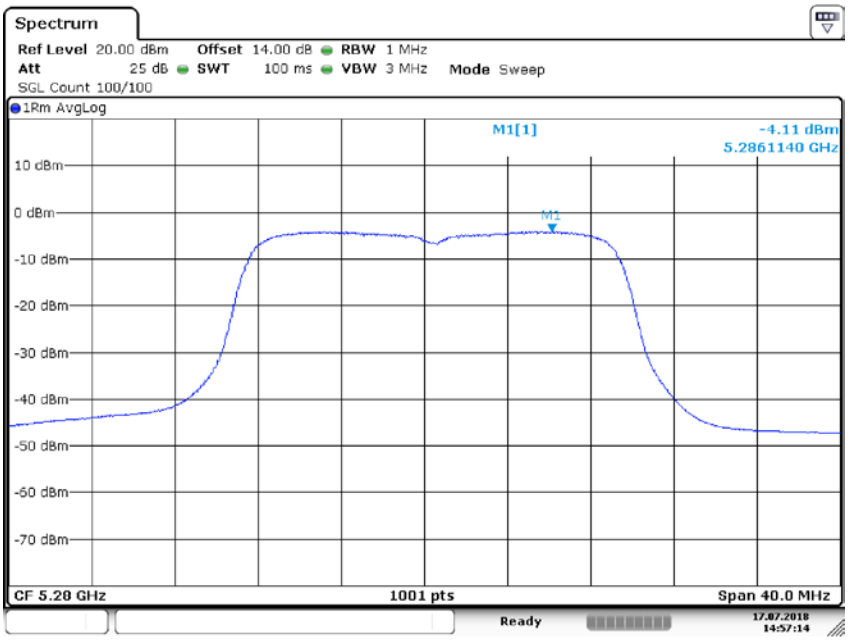
Date: 17.JUL.2018 14:56:23

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5260



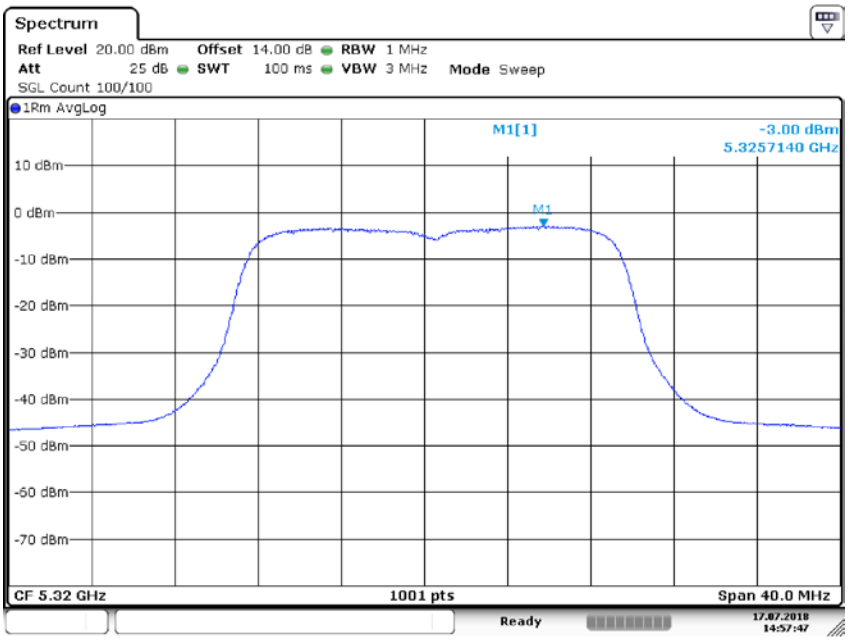
Date: 17.JUL.2018 14:56:50

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5280



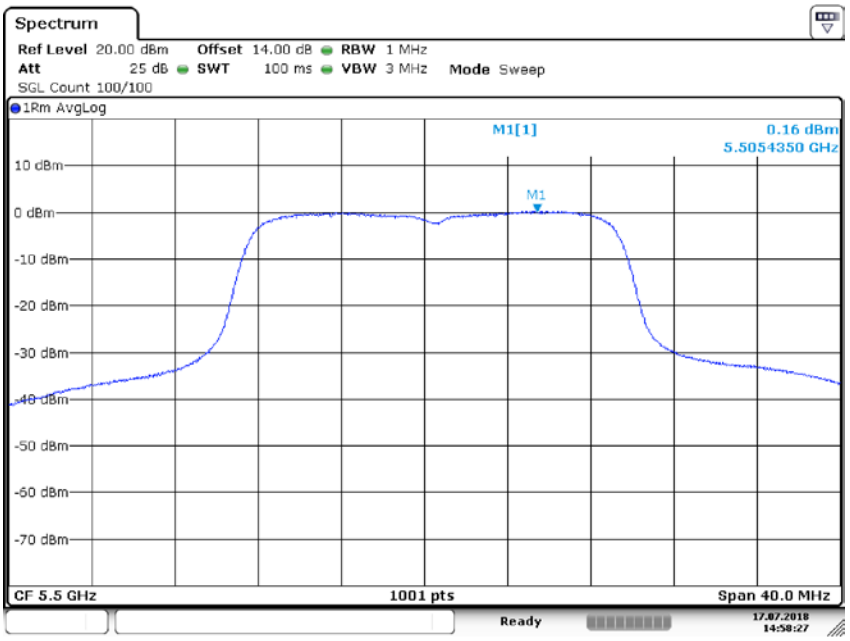
Date: 17.JUL.2018 14:57:13

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5320



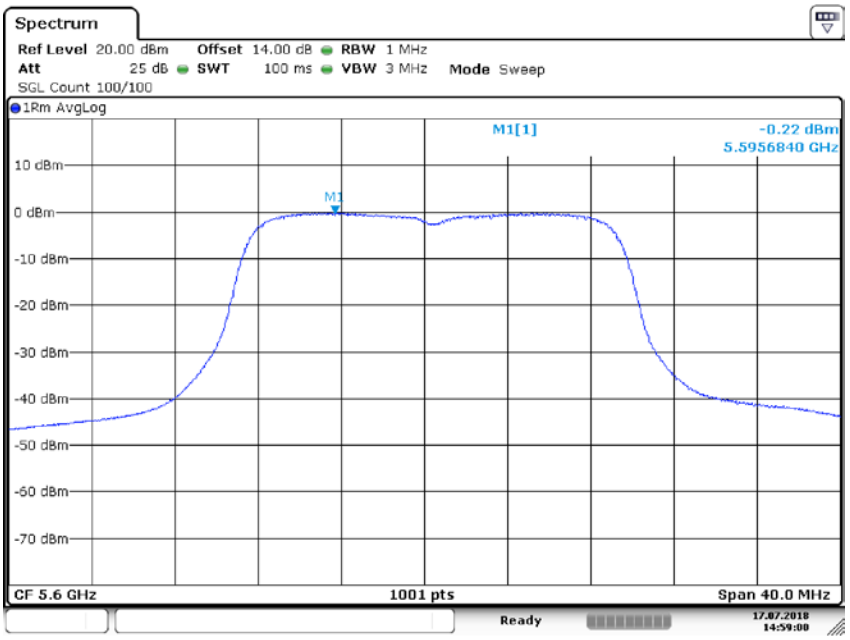
Date: 17.JUL.2018 14:57:47

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5500



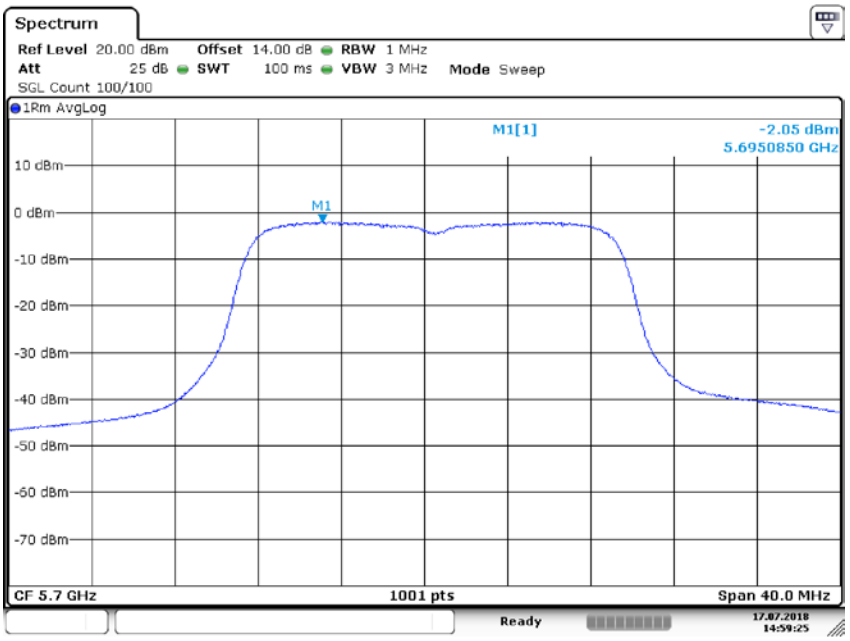
Date: 17.JUL.2018 14:58:27

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5600



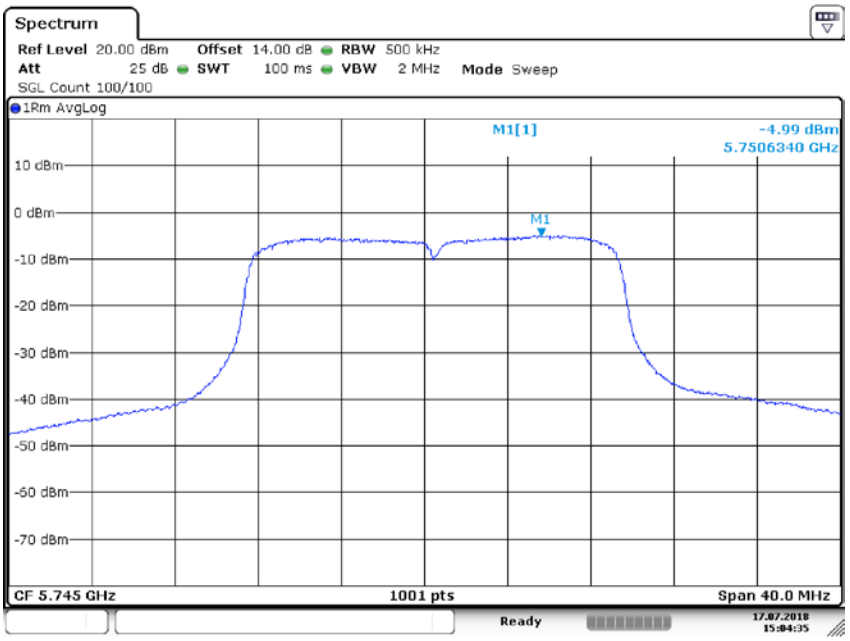
Date: 17.JUL.2018 14:58:59

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5700



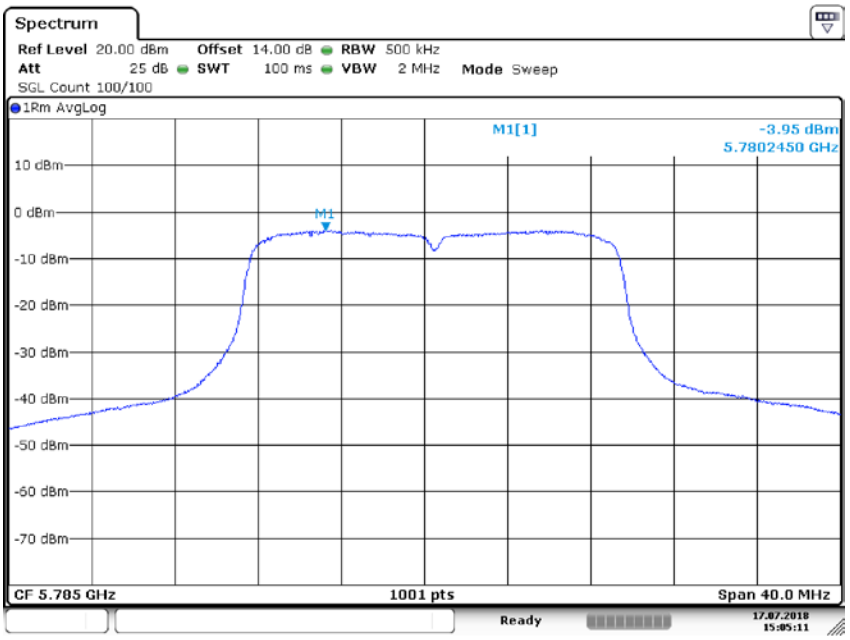
Date: 17.JUL.2018 14:59:24

Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5745



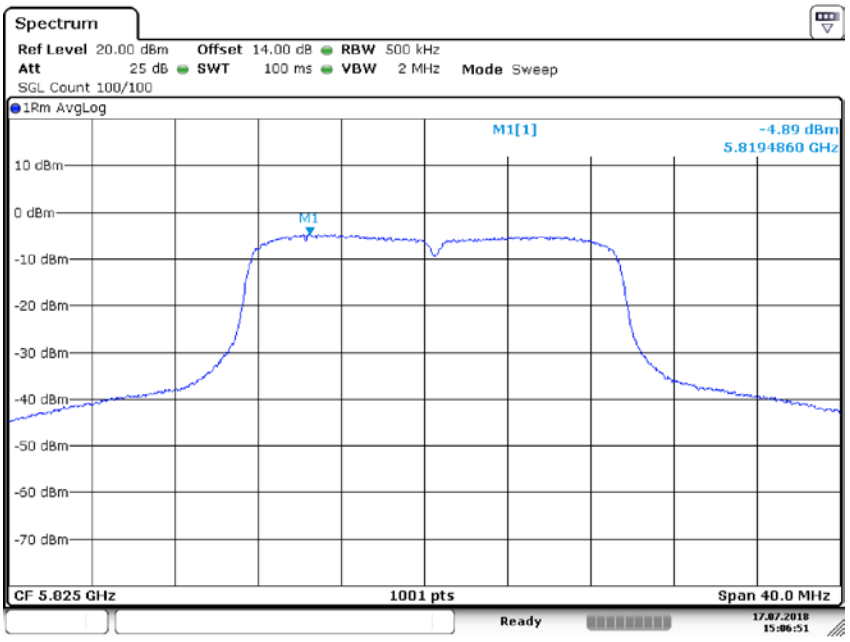
Date: 17.JUL.2018 15:04:35

Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5785



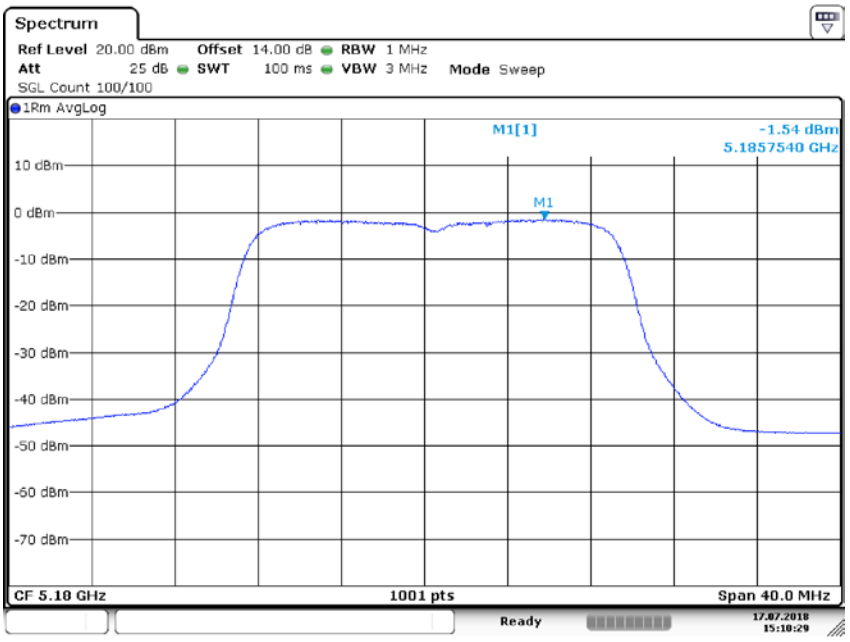
Date: 17.JUL.2018 15:05:11

Power Spectral Density		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5825



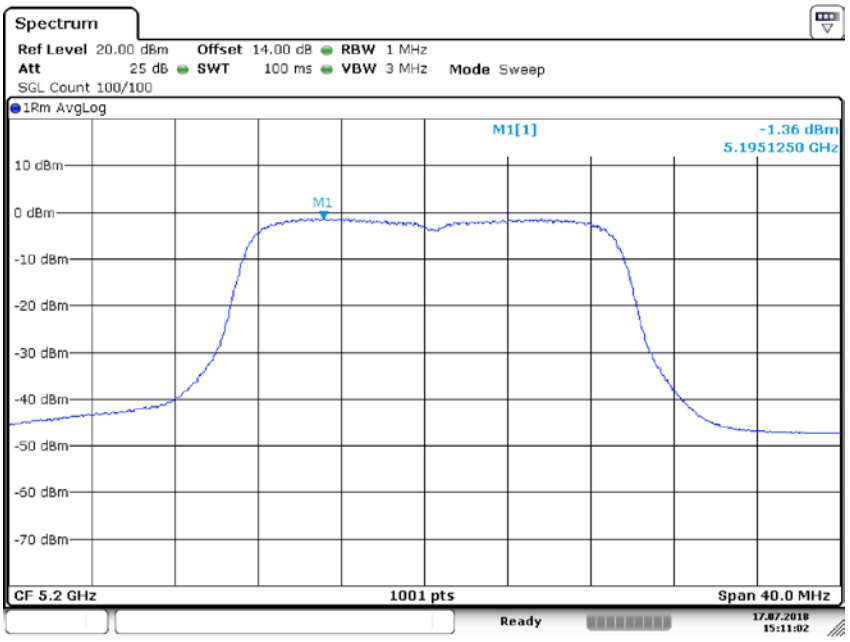
Date: 17.JUL.2018 15:06:50

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5180



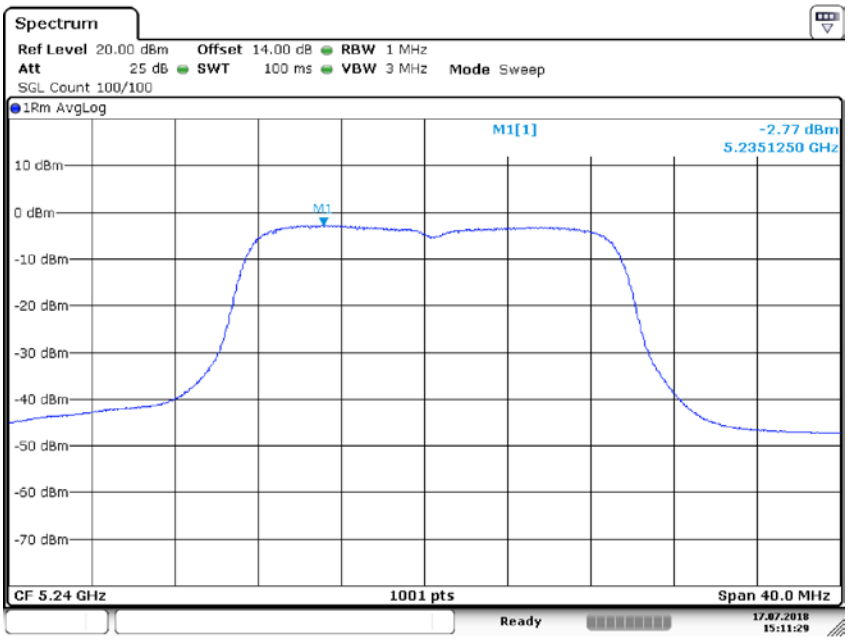
Date: 17.JUL.2018 15:10:29

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5200



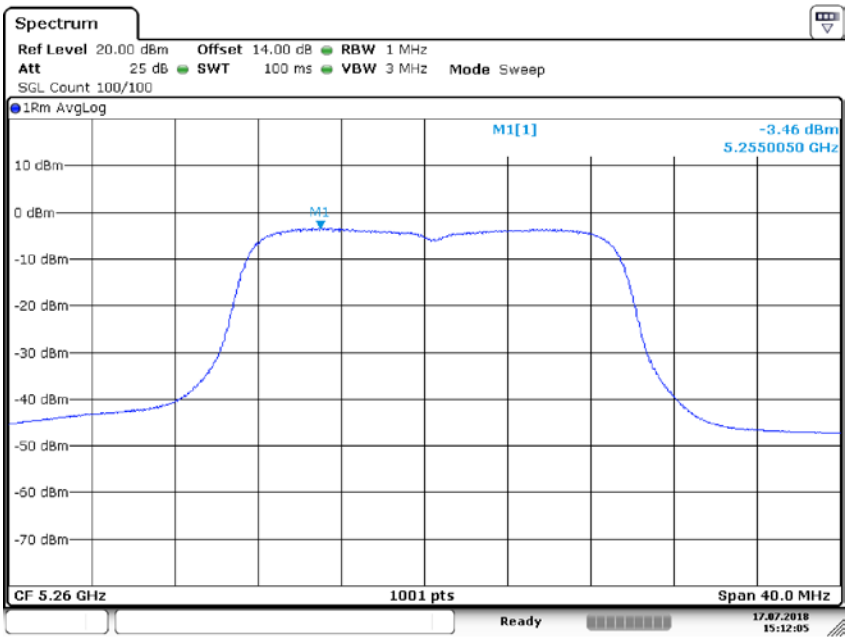
Date: 17.JUL.2018 15:11:02

Power Spectral Density		UNII Band I	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5240



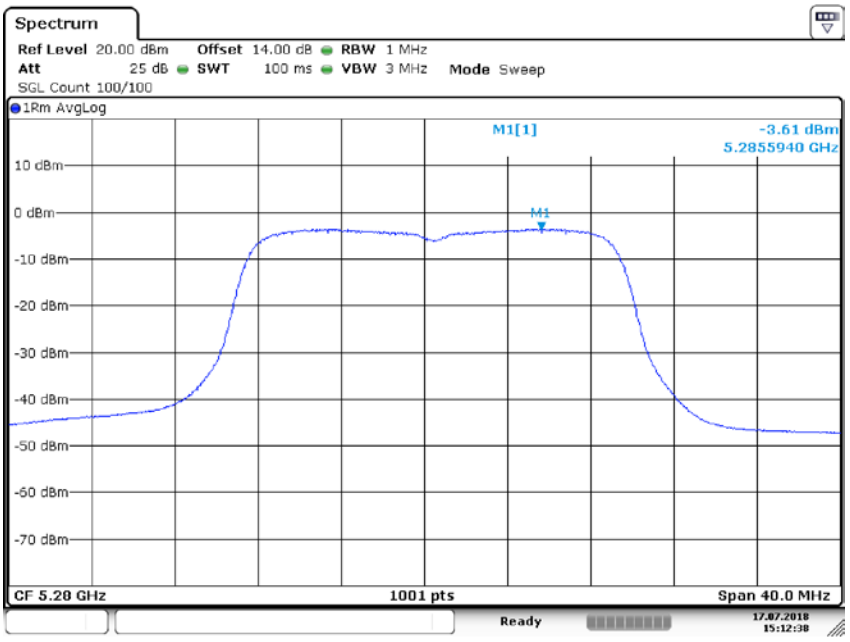
Date: 17.JUL.2018 15:11:28

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5260



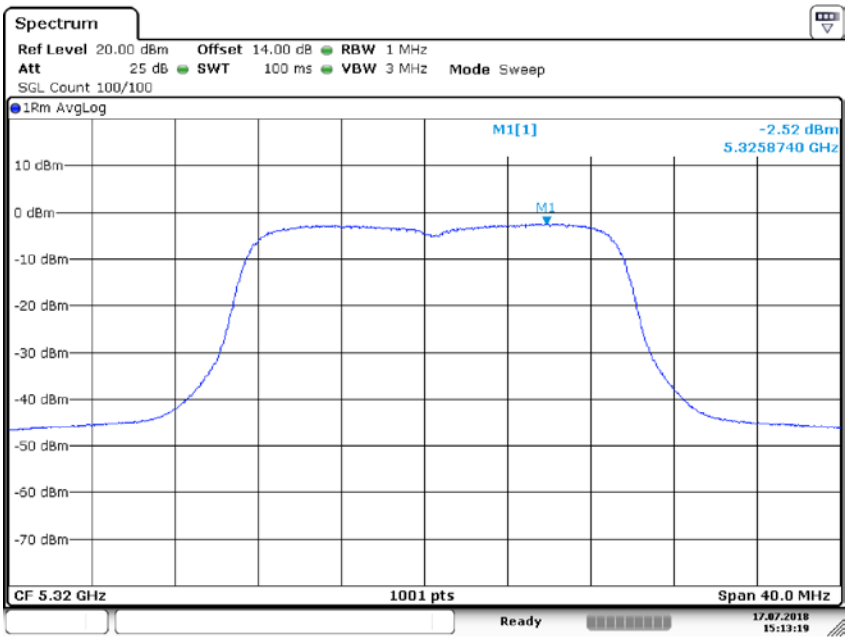
Date: 17.JUL.2018 15:12:05

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5280



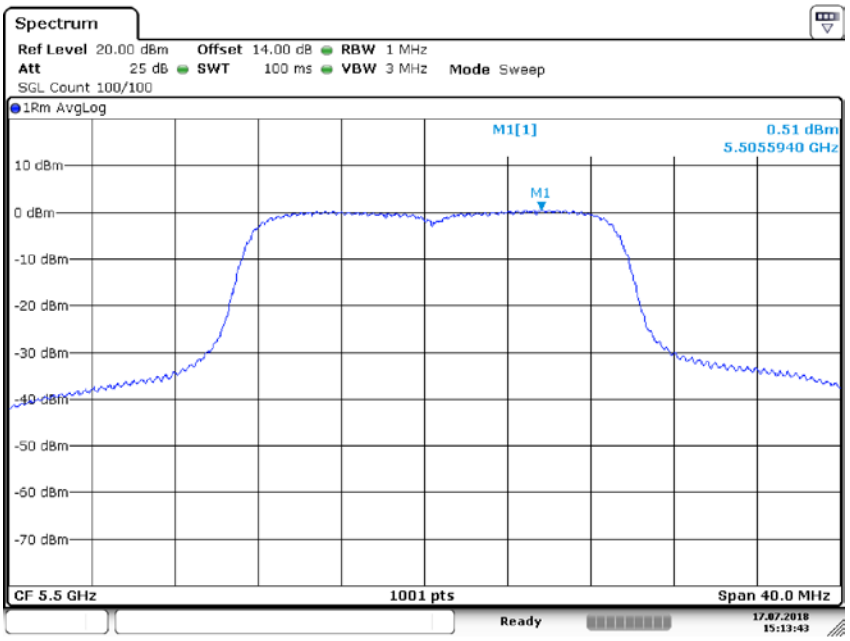
Date: 17.JUL.2018 15:12:37

Power Spectral Density		UNII Band II-A	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5320



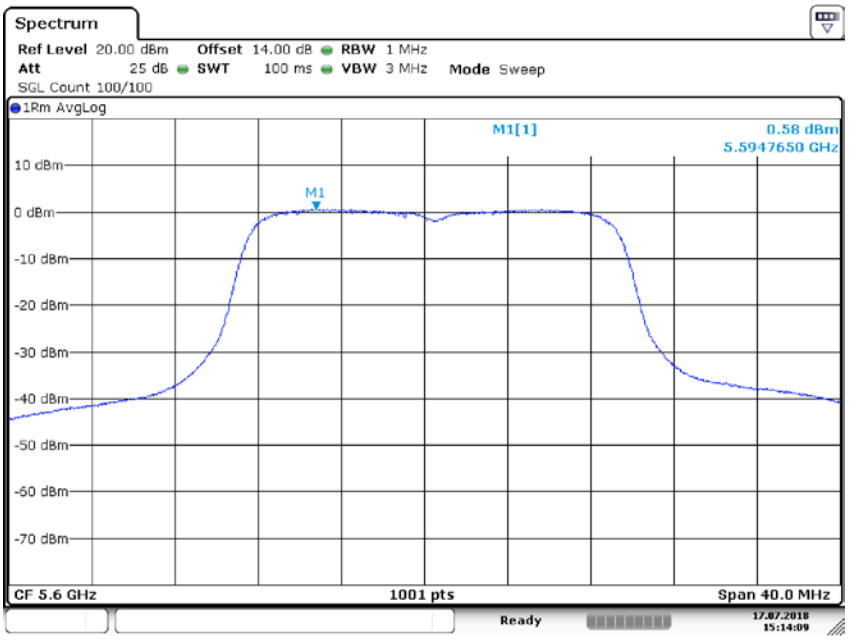
Date: 17.JUL.2018 15:13:19

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5500



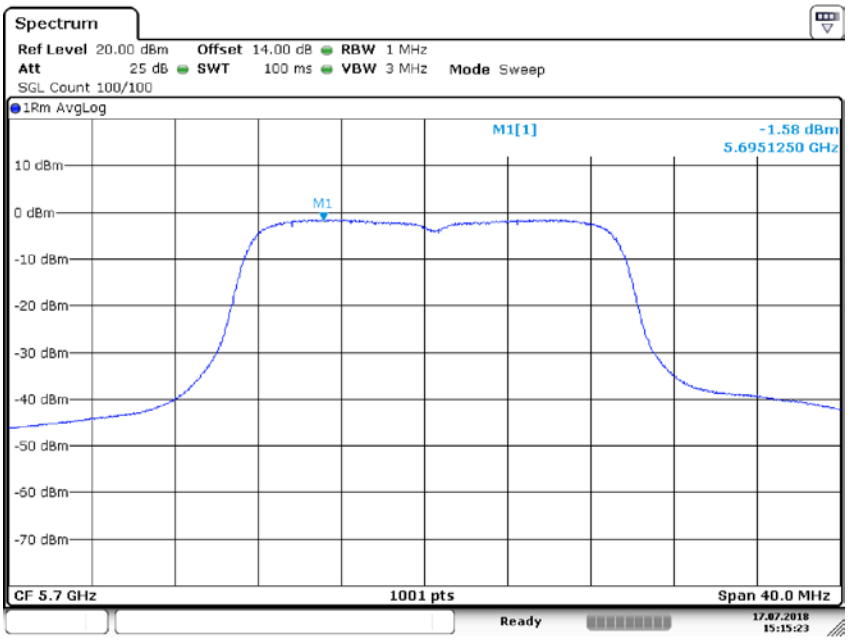
Date: 17.JUL.2018 15:13:43

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5600



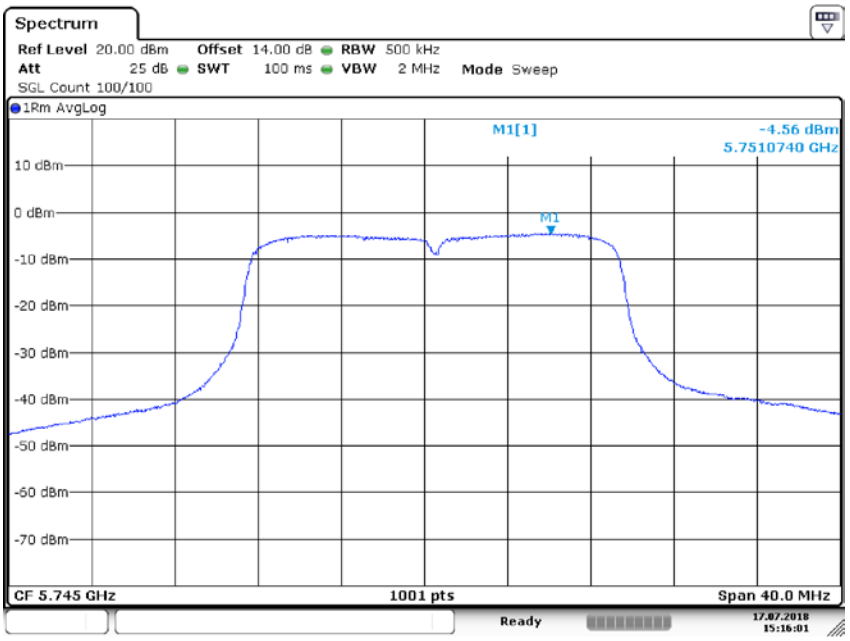
Date: 17.JUL.2018 15:14:09

Power Spectral Density		UNII Band II-C	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5700



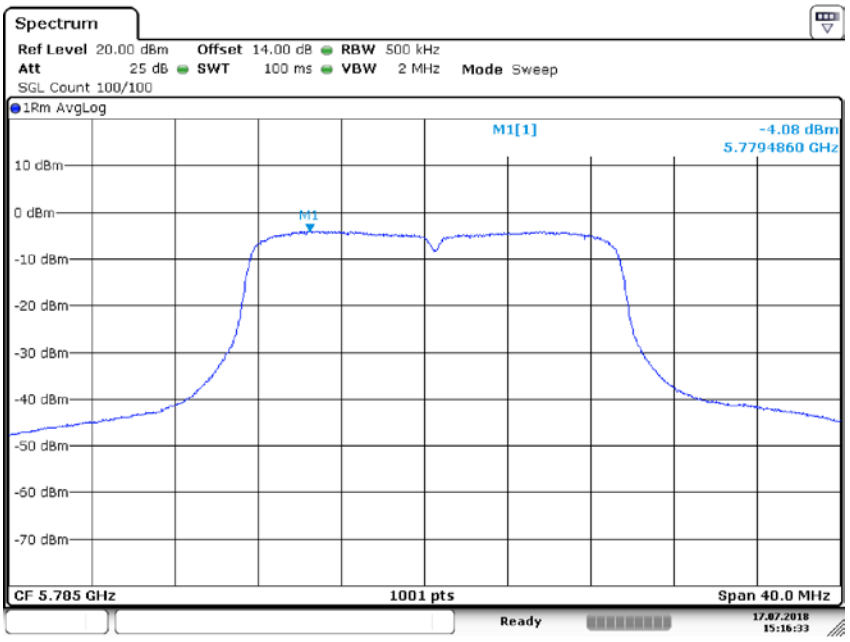
Date: 17.JUL.2018 15:15:22

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5745



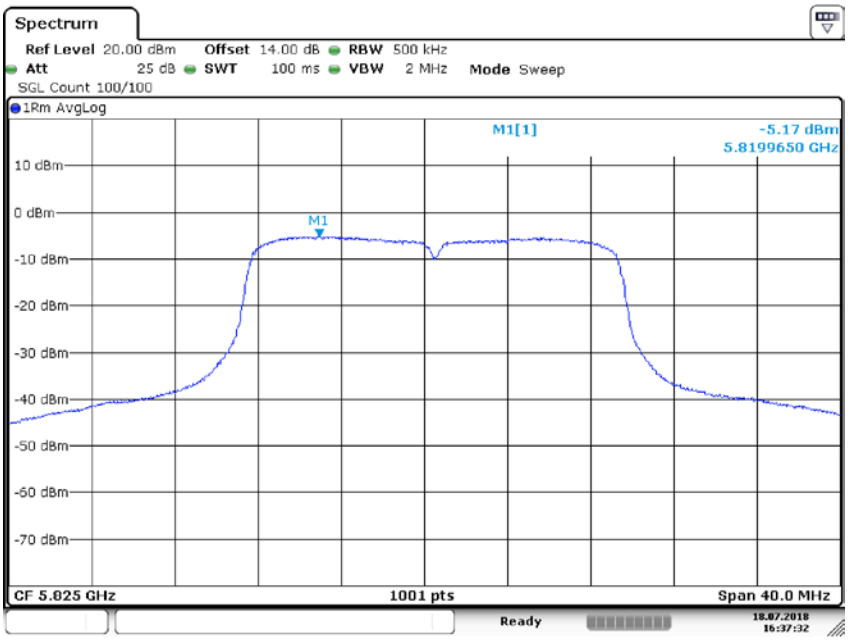
Date: 17.JUL.2018 15:16:01

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5785



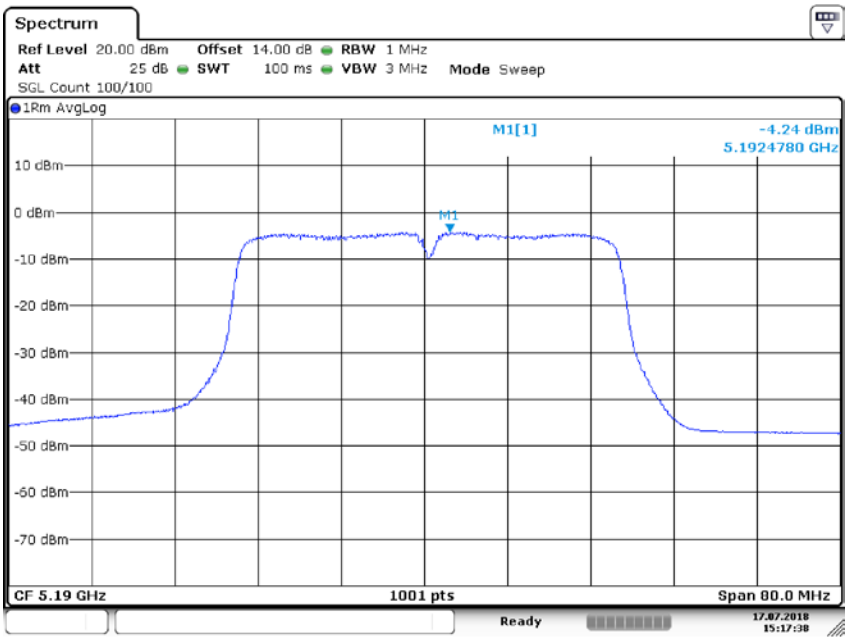
Date: 17.JUL.2018 15:16:33

Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5825



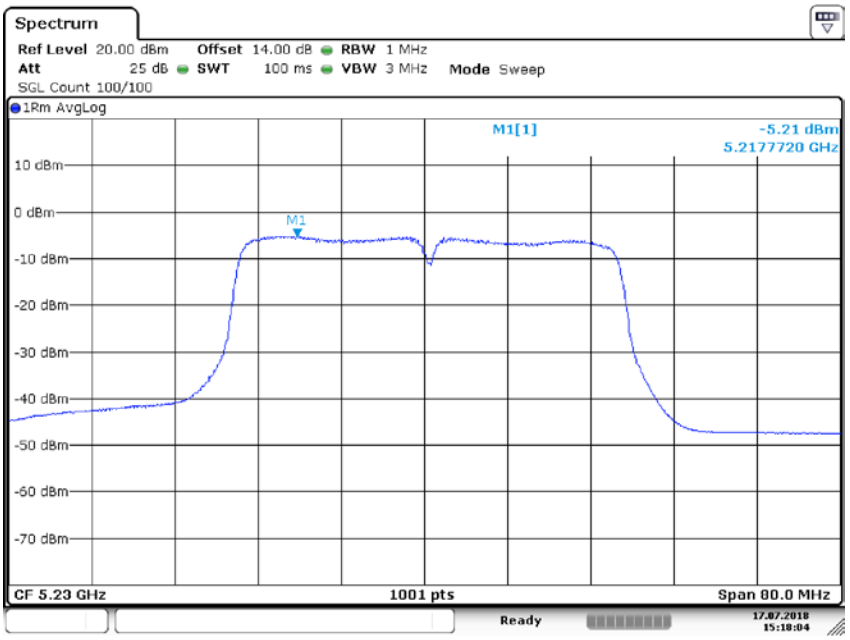
Date: 18.JUL.2018 16:37:32

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5190



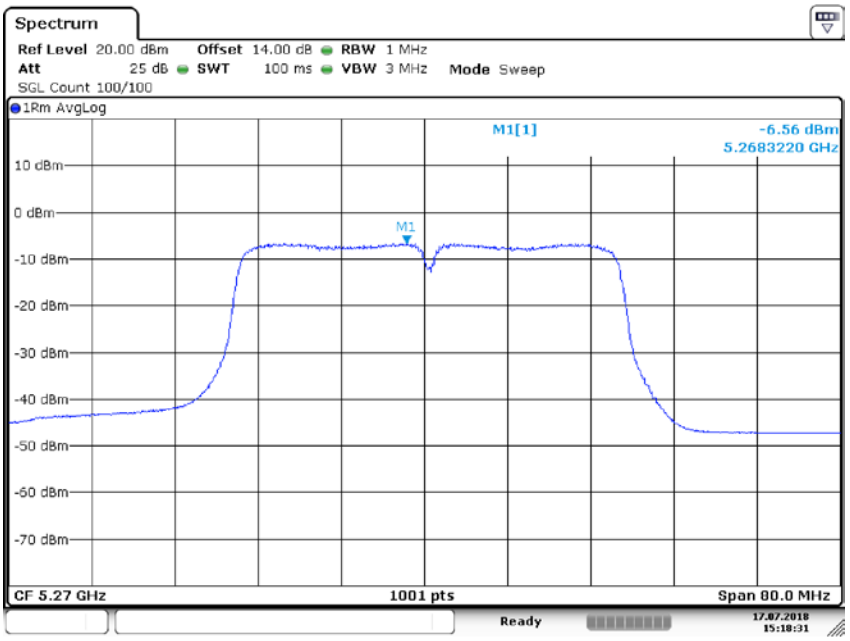
Date: 17.JUL.2018 15:17:38

Power Spectral Density		UNII Band I	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5230



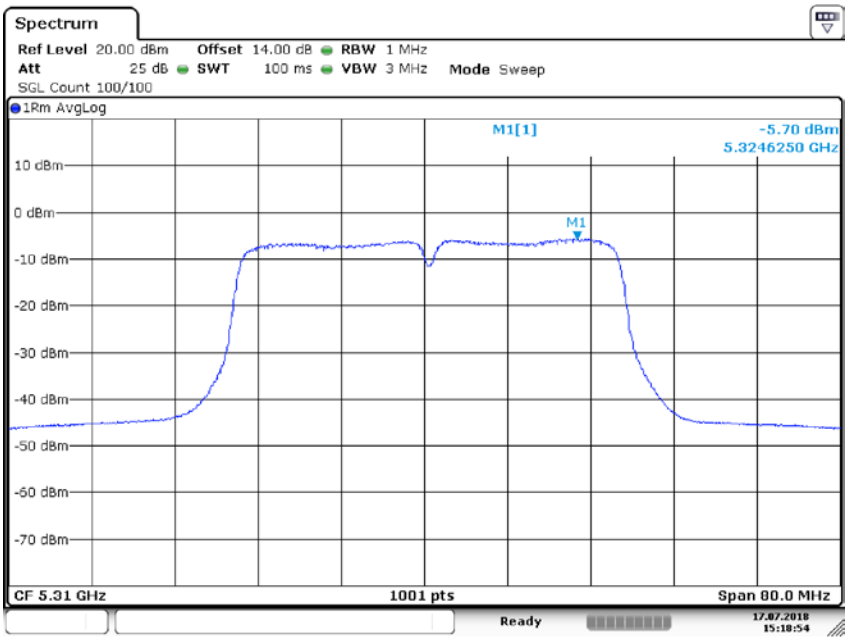
Date: 17.JUL.2018 15:18:04

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5270



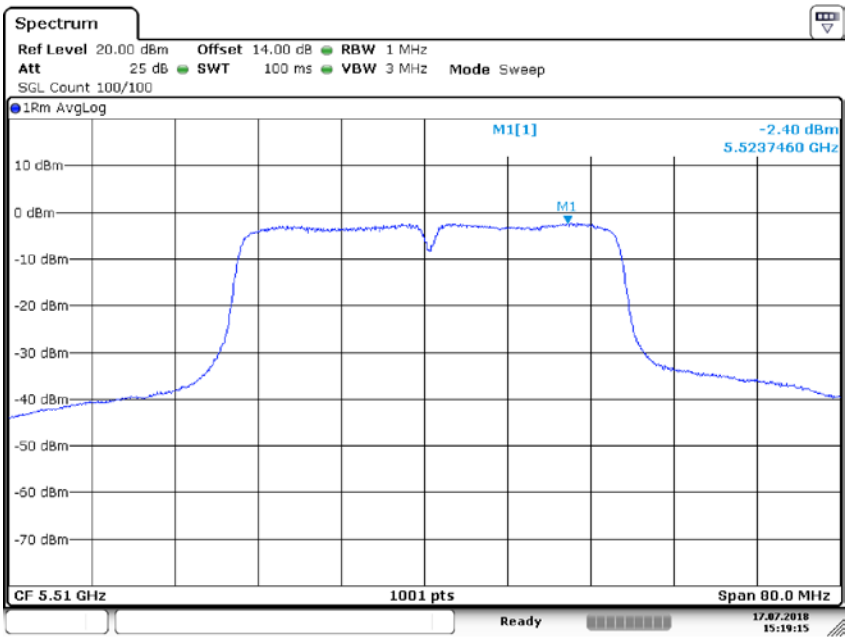
Date: 17.JUL.2018 15:18:30

Power Spectral Density		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5310



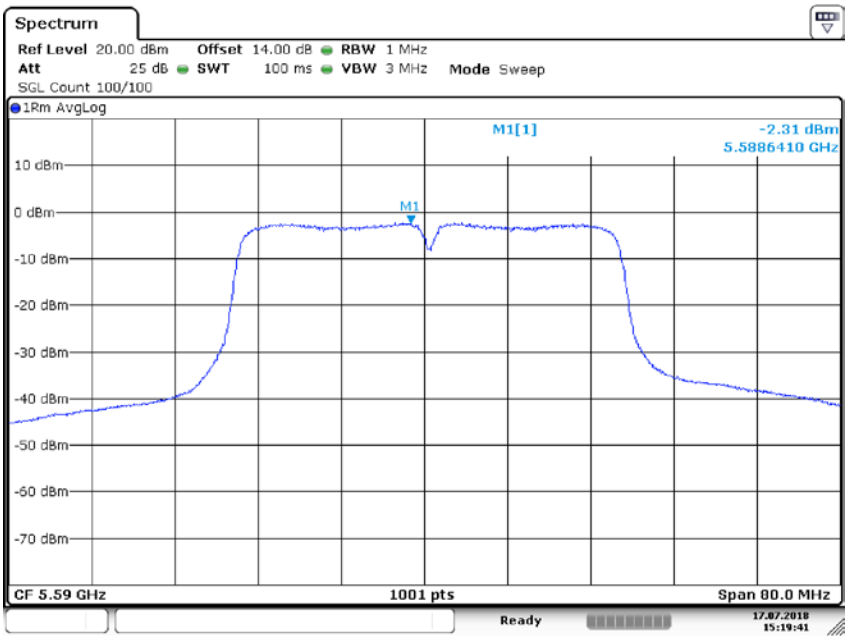
Date: 17.JUL.2018 15:18:54

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5510



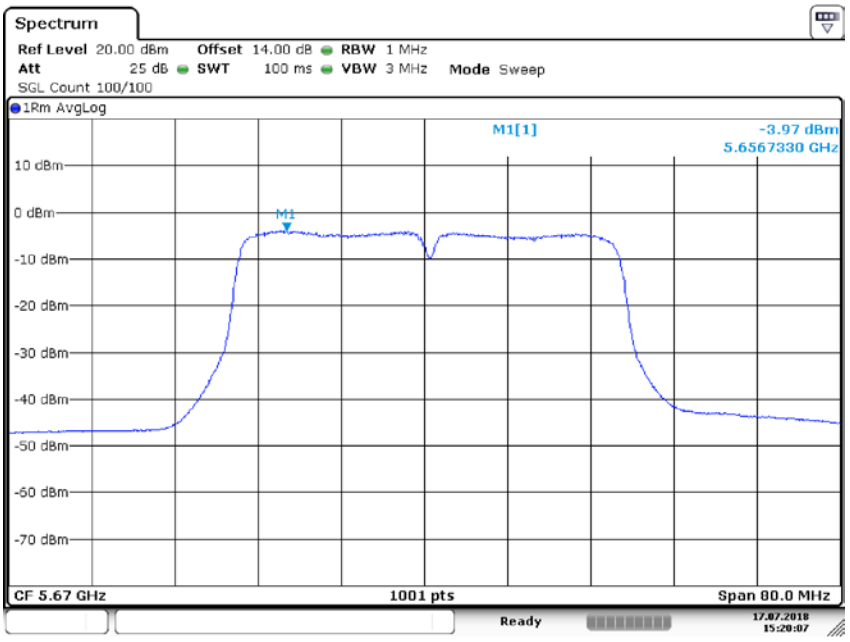
Date: 17.JUL.2018 15:19:15

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5590



Date: 17.JUL.2018 15:19:42

Power Spectral Density		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5670



Date: 17.JUL.2018 15:20:07