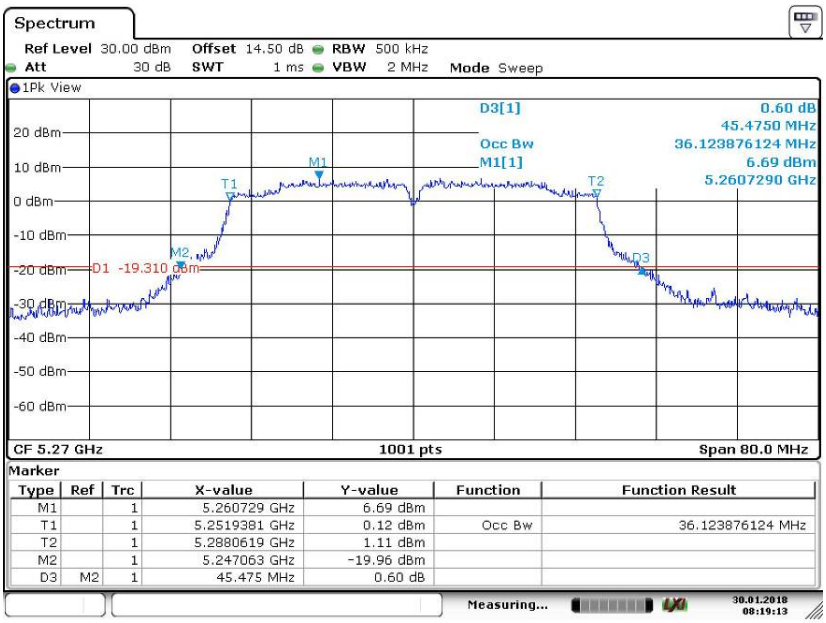
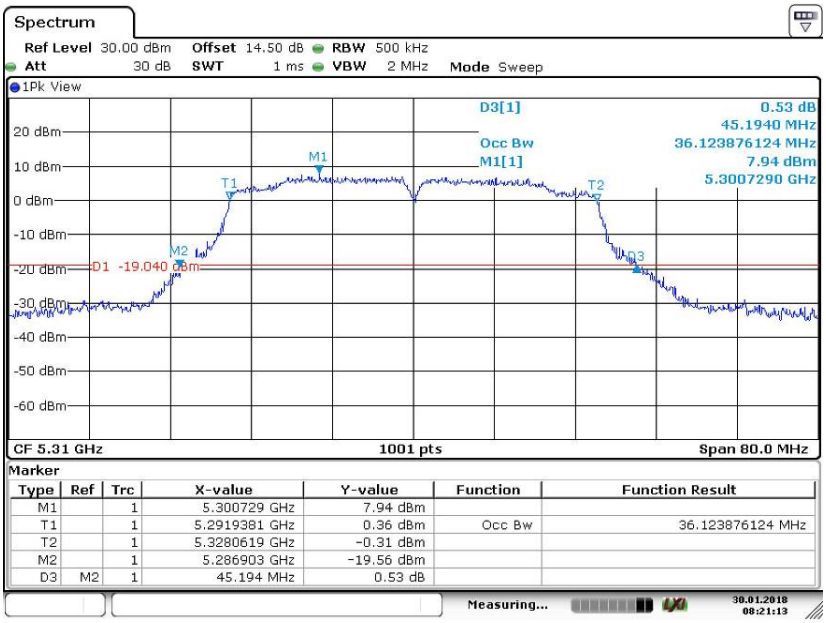
Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5270



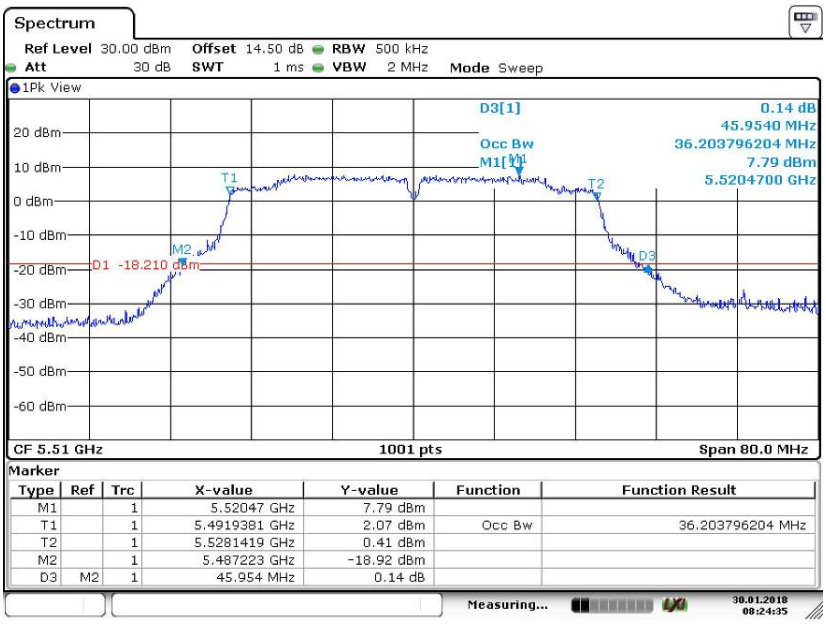
Date: 30.JAN.2018 08:19:12

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-A	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5310



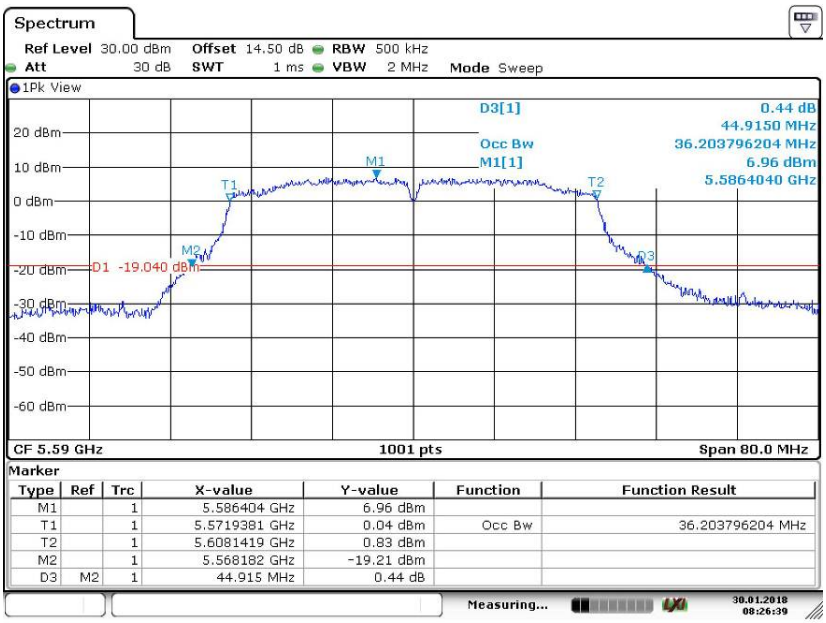
Date: 30.JAN.2018 08:21:13

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5510



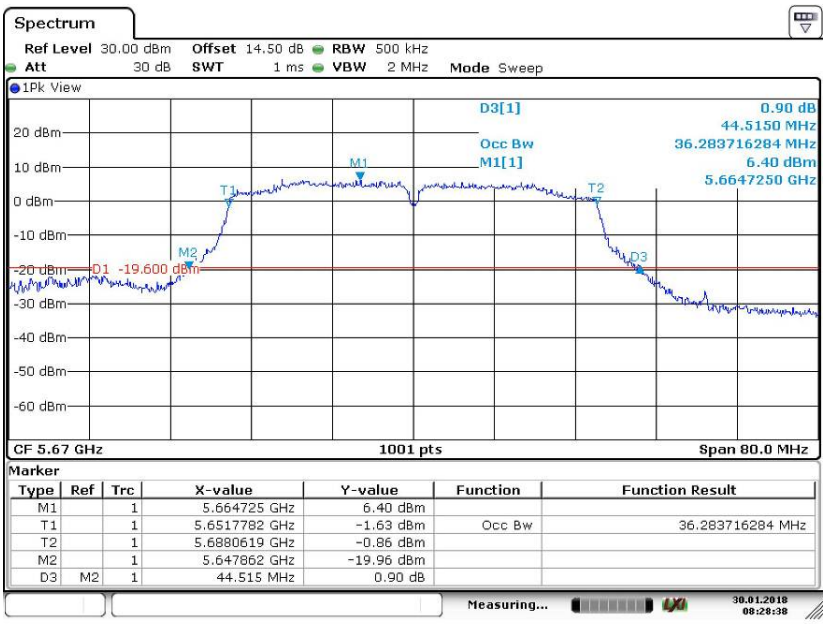
Date: 30.JAN.2018 08:24:36

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5590



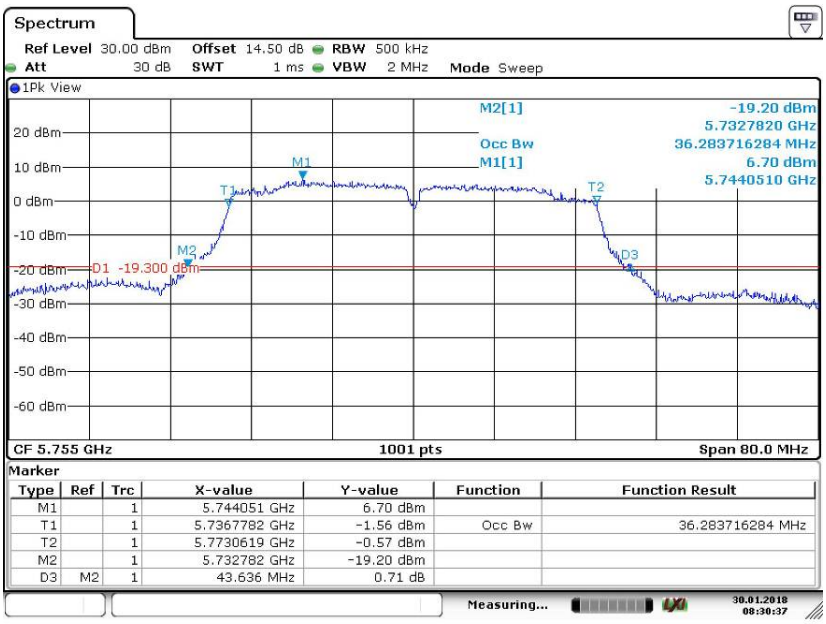
Date: 30.JAN.2018 08:26:39

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5670



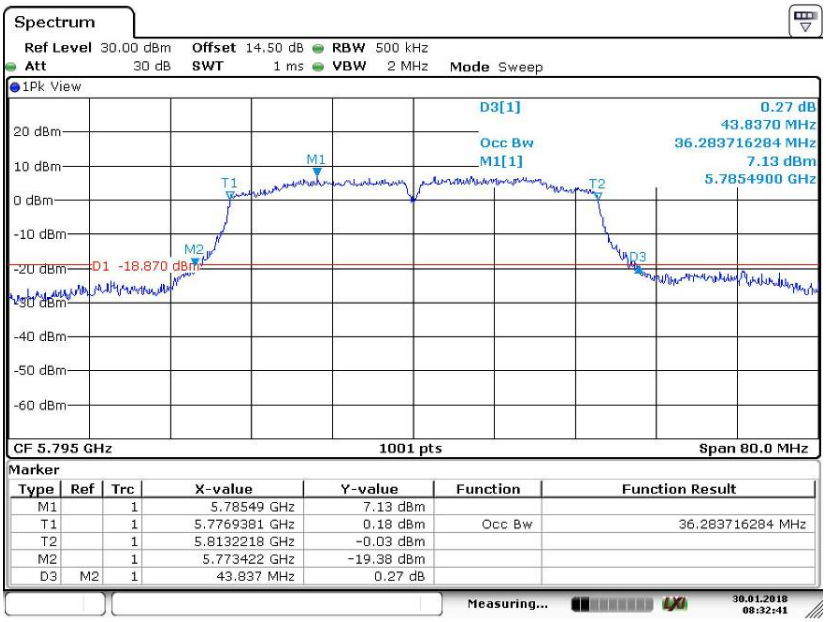
Date: 30.JAN.2018 08:28:37

Emission Bandwidth&99% Occupied Bandwidth		UNII Band III	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5755



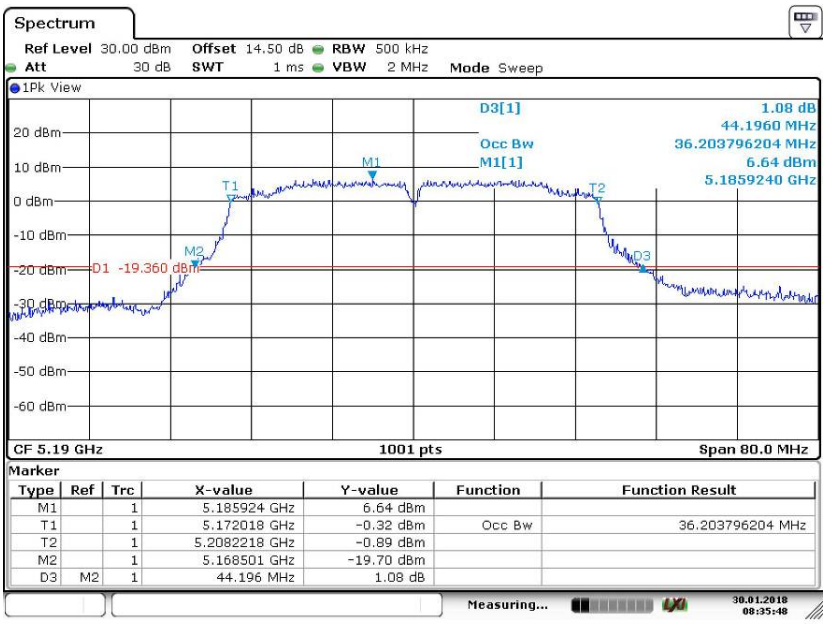
Date: 30.JAN.2018 08:30:37

Emission Bandwidth&99% Occupied Bandwidth		UNII Band III	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5795



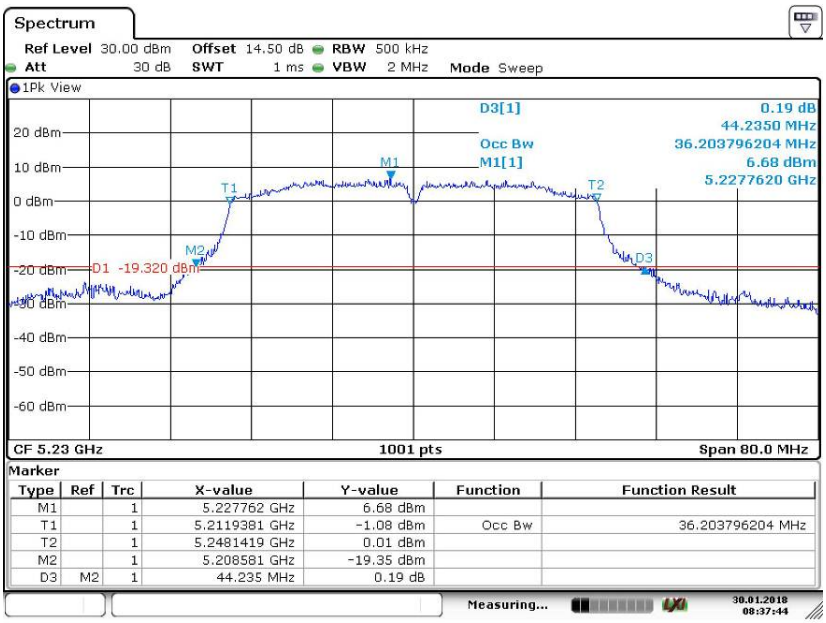
Date: 30.JAN.2018 08:32:40

Emission Bandwidth&99% Occupied Bandwidth		UNII Band I	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5190



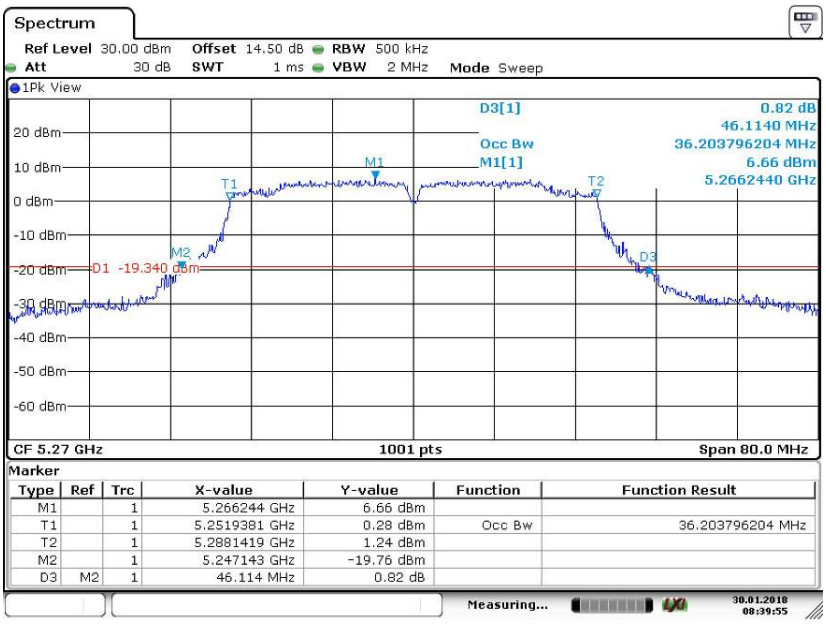
Date: 30.JAN.2018 08:35:47

Emission Bandwidth&99% Occupied Bandwidth		UNII Band I	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5230



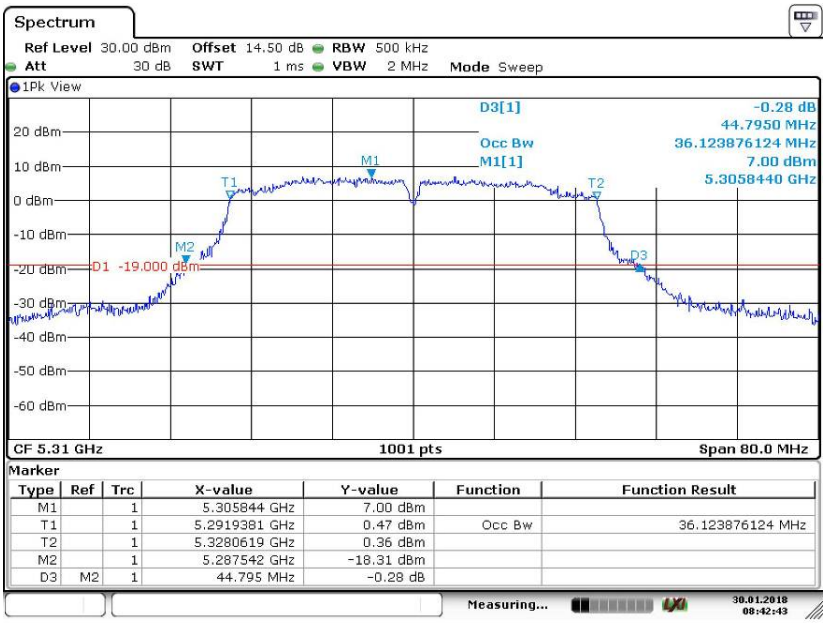
Date: 30.JAN.2018 08:37:43

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-A	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5270



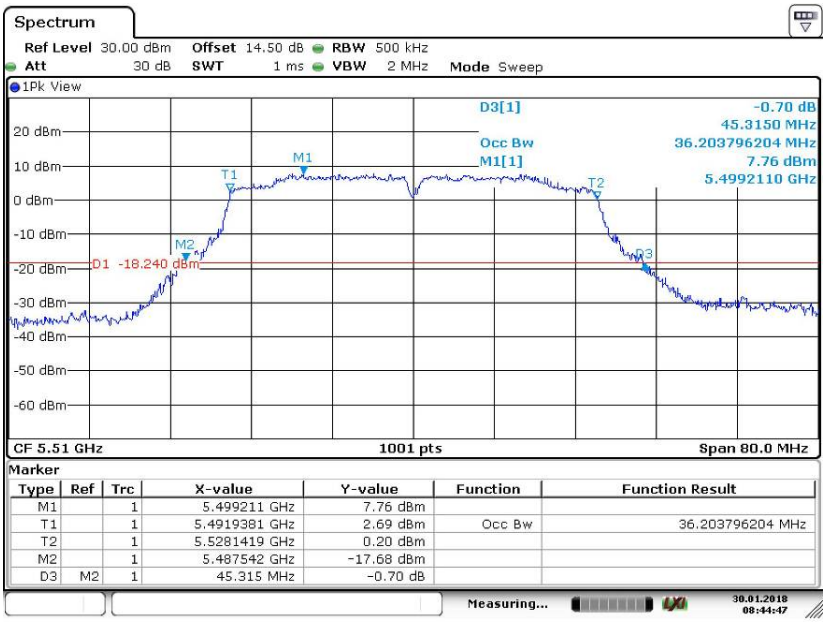
Date: 30.JAN.2018 08:39:55

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-A	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5310



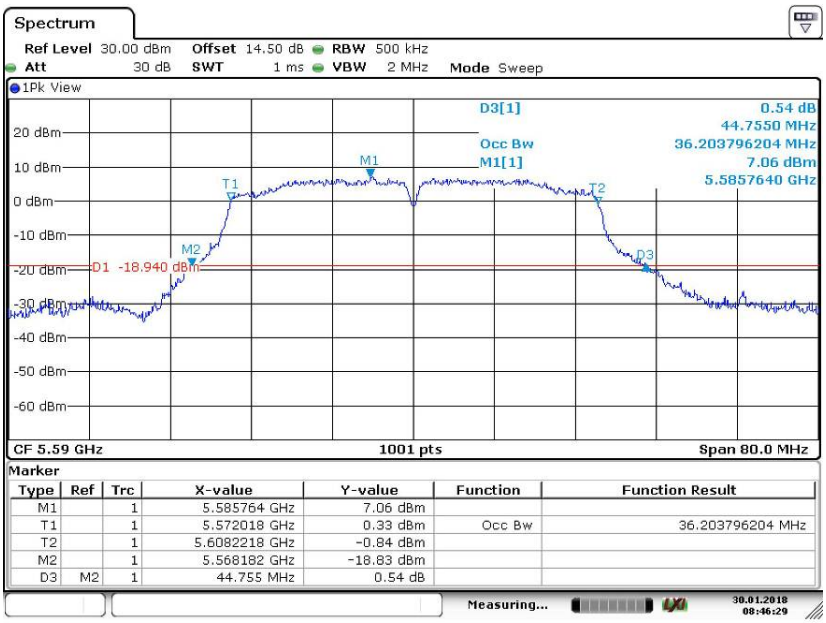
Date: 30.JAN.2018 08:42:44

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5510



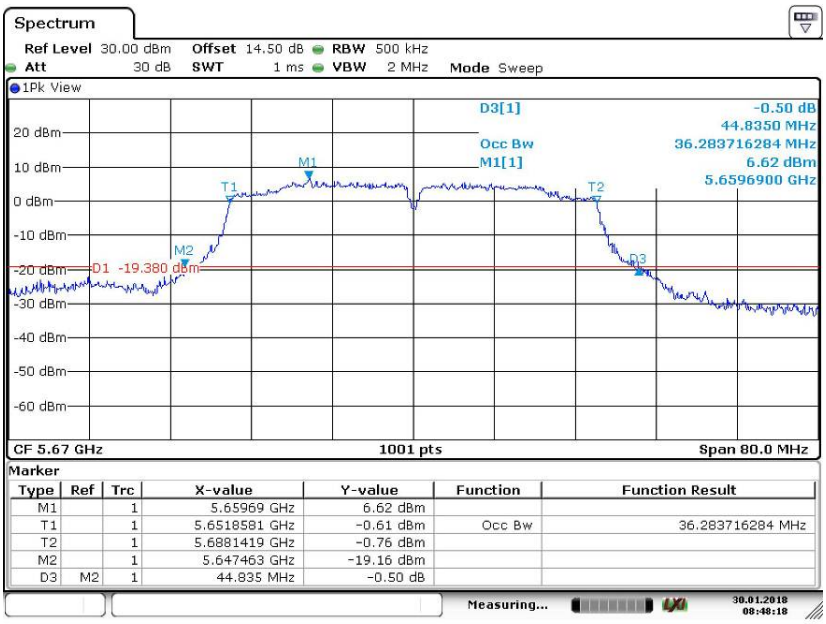
Date: 30.JAN.2018 08:44:47

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5590



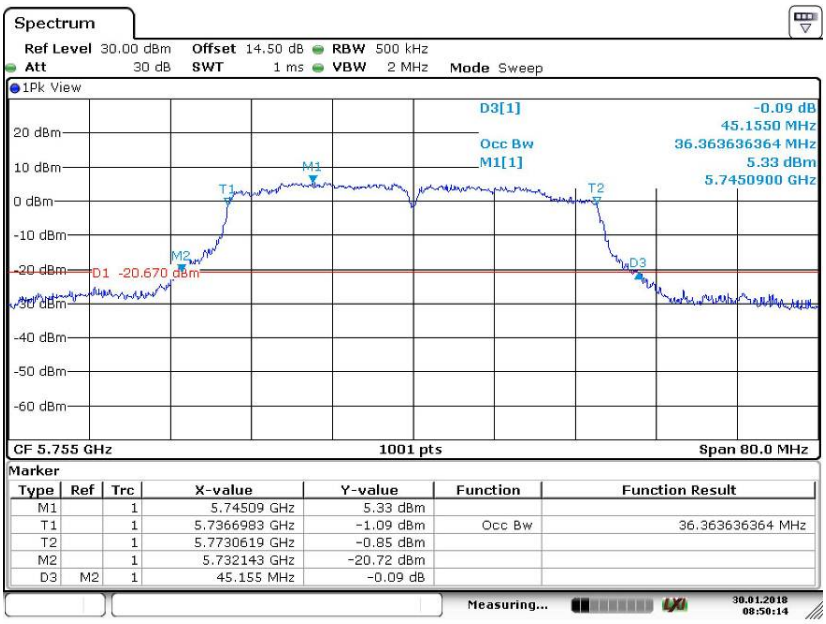
Date: 30.JAN.2018 08:46:30

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5670



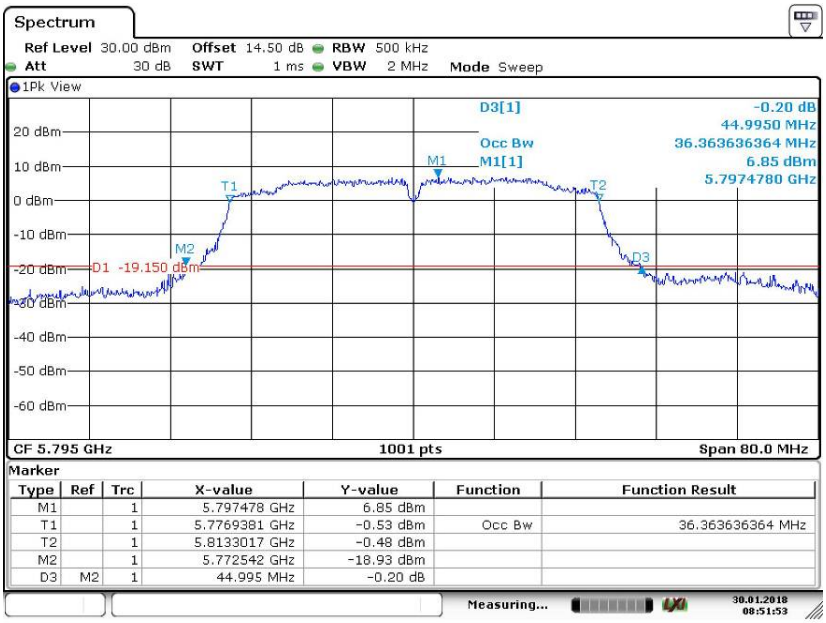
Date: 30.JAN.2018 08:48:17

Emission Bandwidth&99% Occupied Bandwidth		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5755



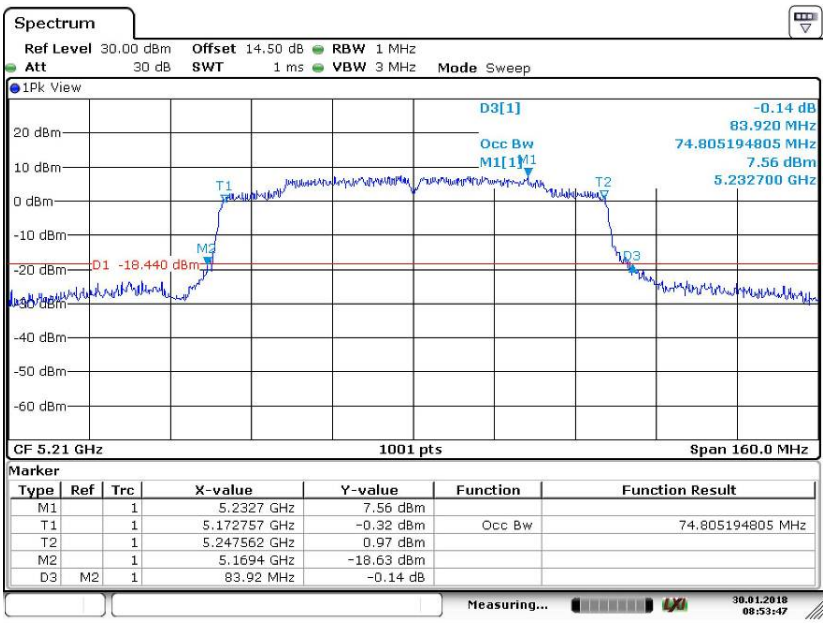
Date: 30.JAN.2018 08:50:13

Emission Bandwidth&99% Occupied Bandwidth		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5795



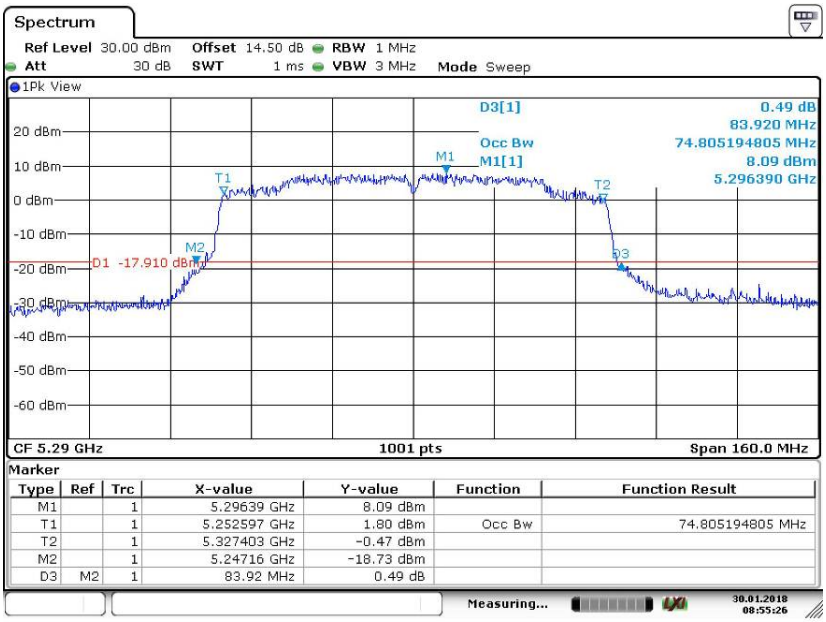
Date: 30.JAN.2018 08:51:52

Emission Bandwidth&99% Occupied Bandwidth		UNII Band I	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5210



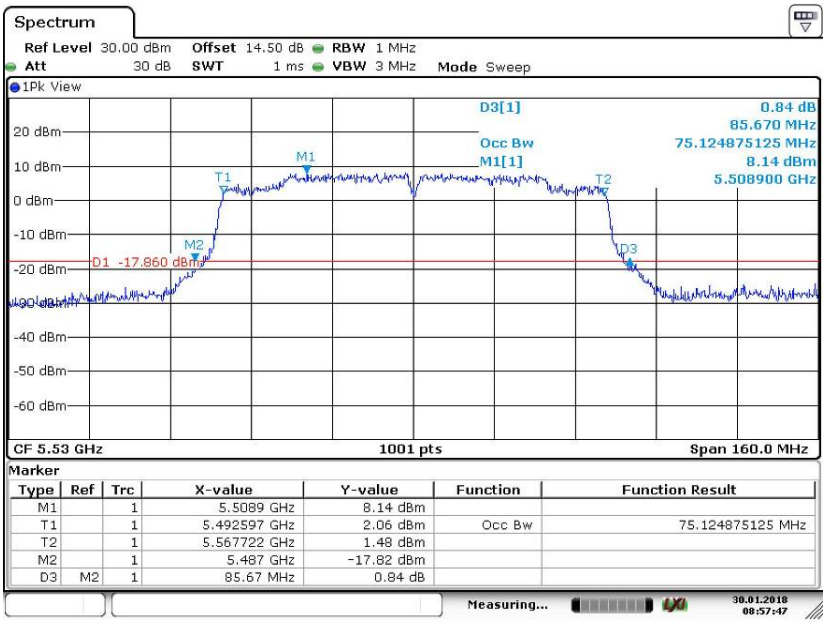
Date: 30.JAN.2018 08:53:46

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-A	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5290



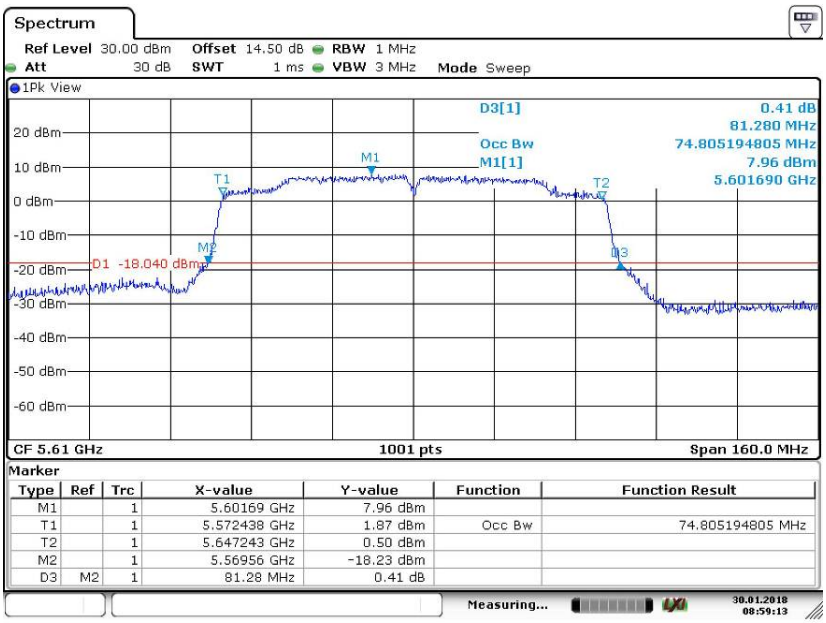
Date: 30.JAN.2018 08:55:26

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5530



Date: 30.JAN.2018 08:57:46

Emission Bandwidth&99% Occupied Bandwidth		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5610



Date: 30.JAN.2018 08:59:13

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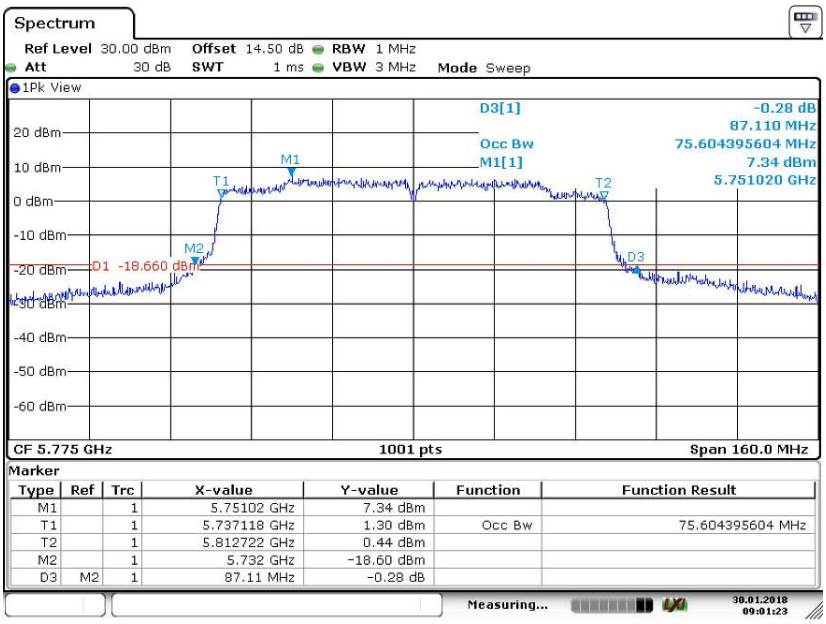
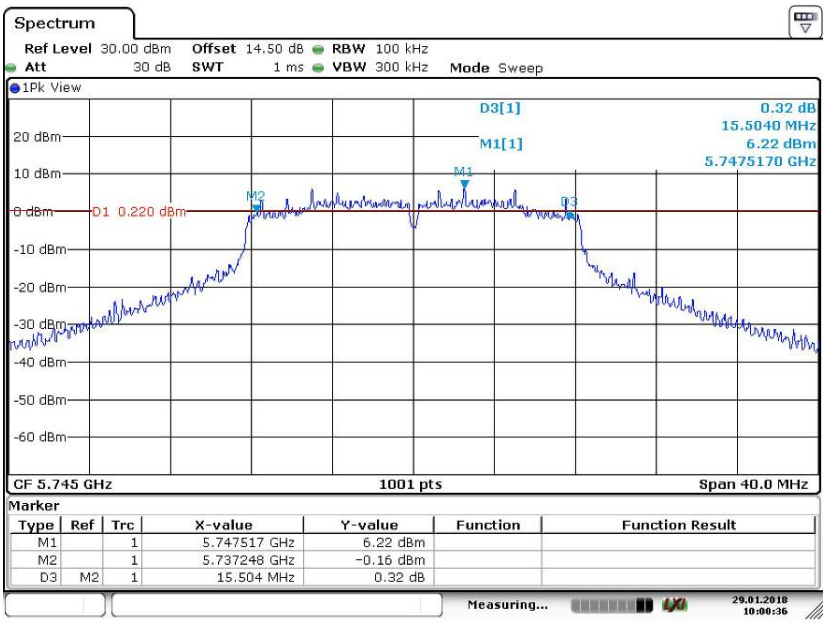
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5775



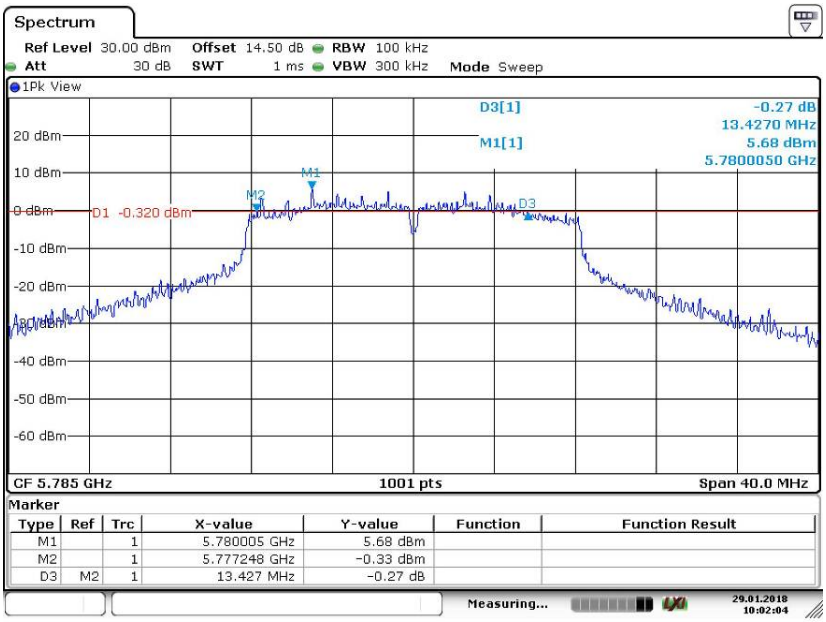
Date: 30.JAN.2018 09:01:23

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11a mode	Frequency(MHz)	5745



Date: 29.JAN.2018 10:00:36

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11a mode	Frequency(MHz)	5785



Date: 29.JAN.2018 10:02:04

Minimum Emission Bandwidth		UNII Band III	
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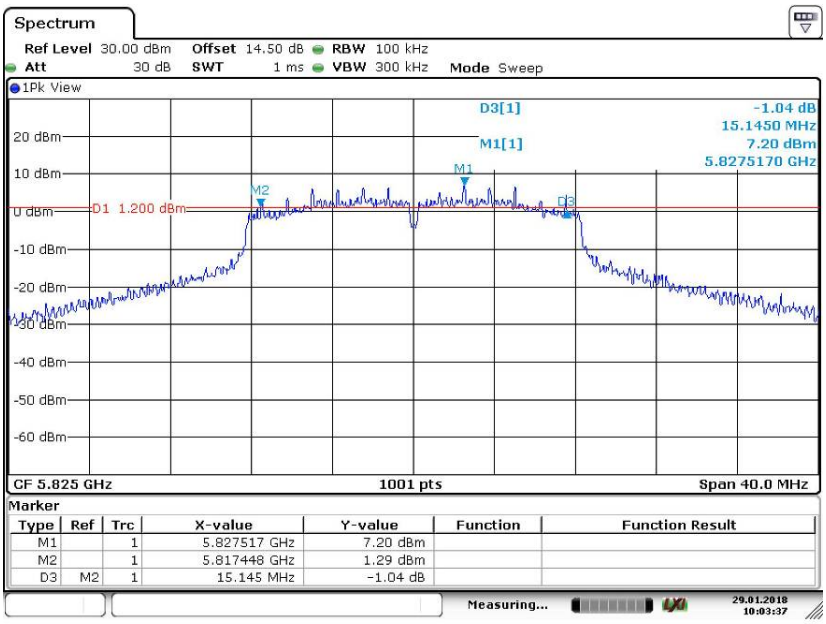

Date: 29.JAN.2018 10:03:36

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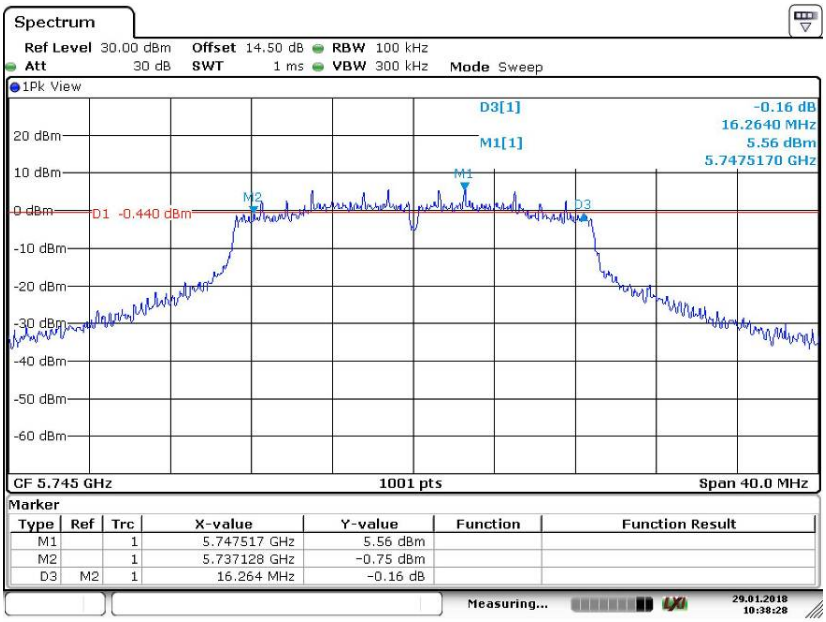
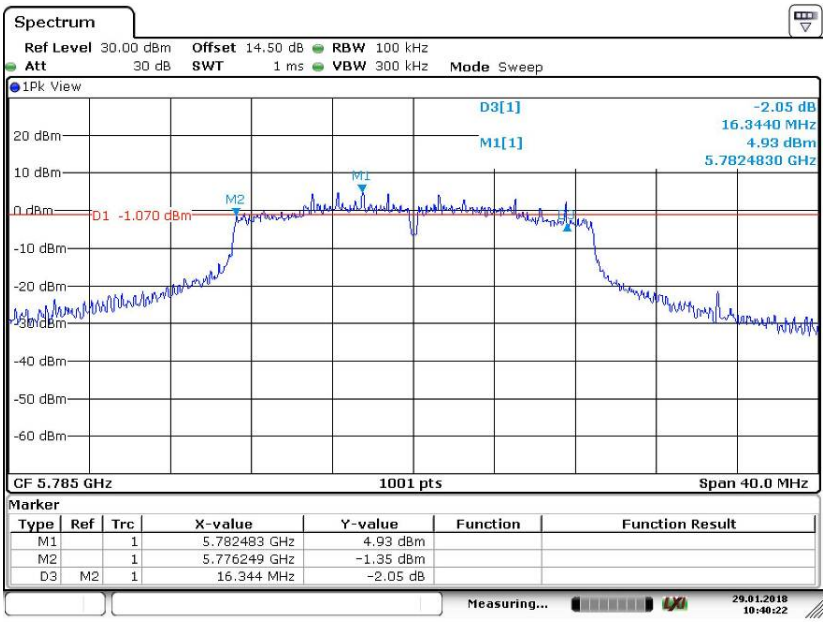
Test Model	802.11n(HT20) mode	Frequency(MHz)	5745



Date: 29.JAN.2018 10:38:28

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11n(HT20) mode	Frequency(MHz)	5785



Date: 29.JAN.2018 10:40:22

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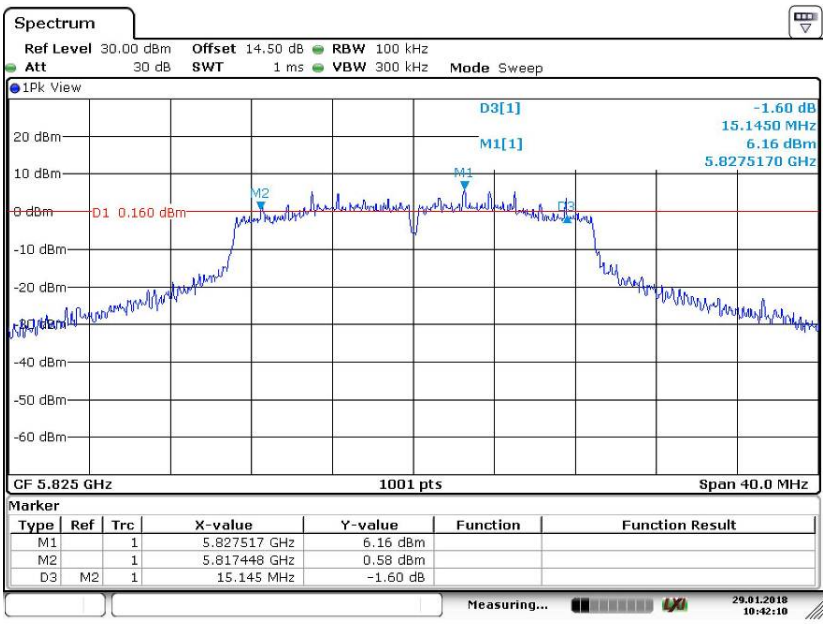
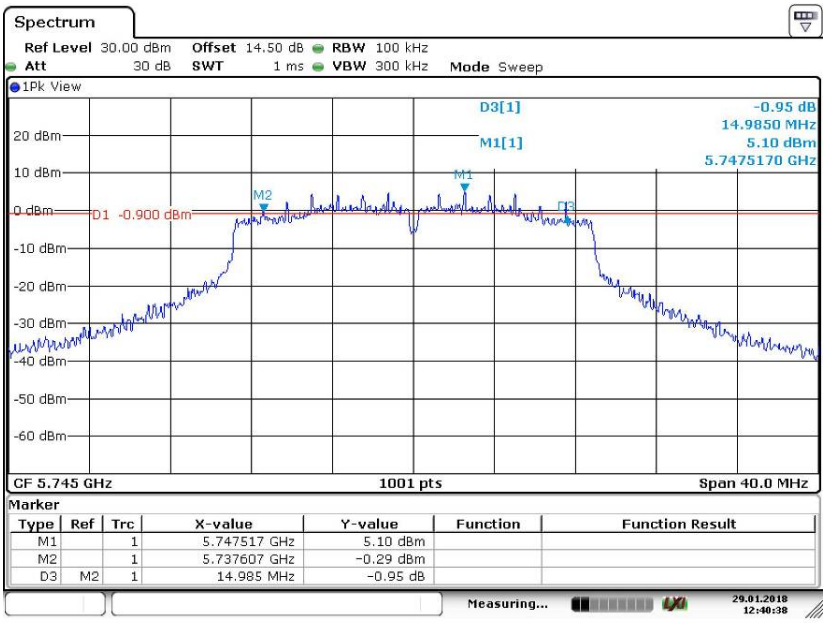
Test Model	802.11n(VHT20) mode	Frequency(MHz)	5825



Date: 29.JAN.2018 10:42:09

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5745



Date: 29.JAN.2018 12:40:37

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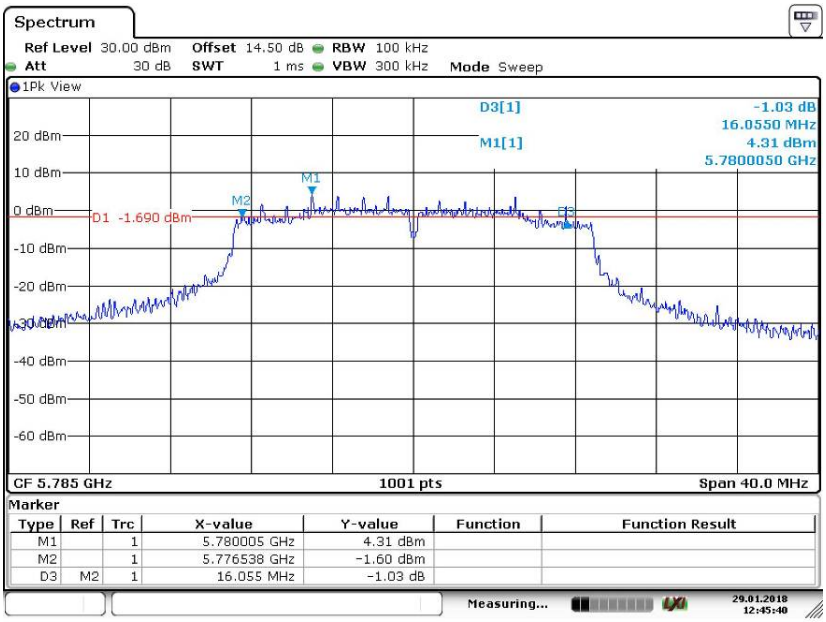
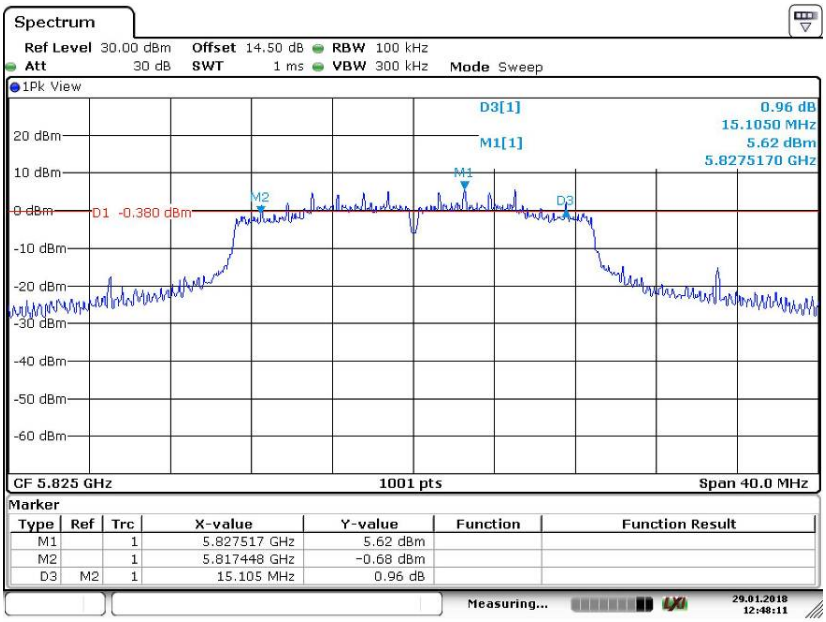
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5785



Date: 29.JAN.2018 12:45:39

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5825



Date: 29.JAN.2018 12:48:10

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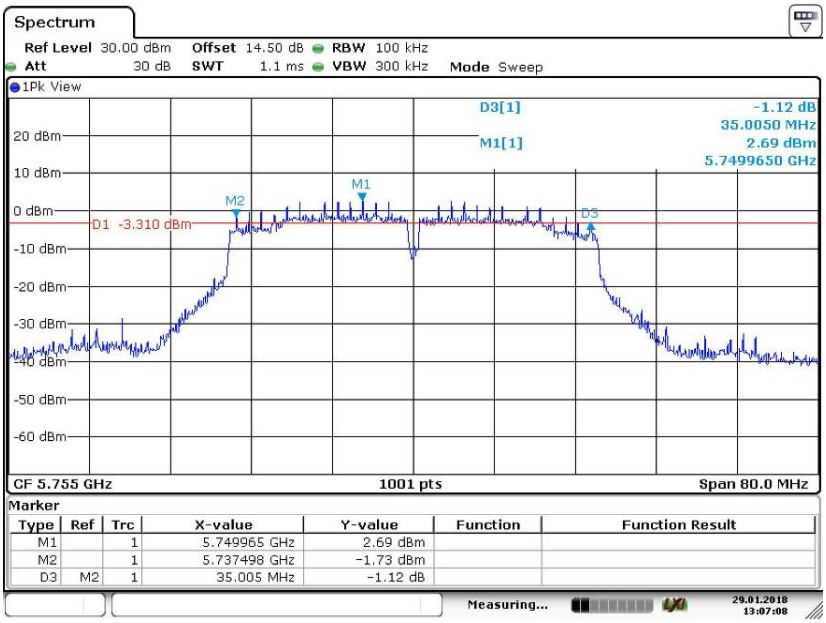
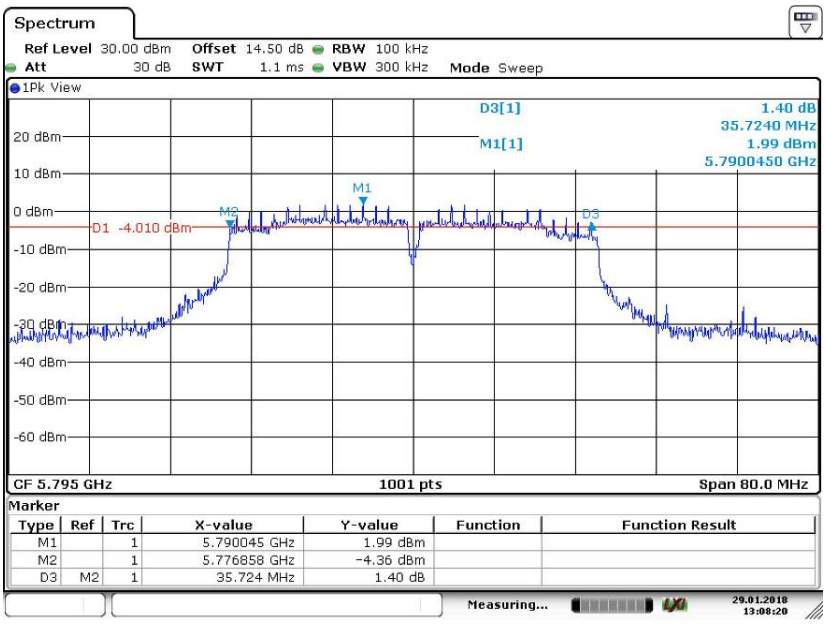
Test Model	802.11n(HT40) mode	Frequency(MHz)	5755



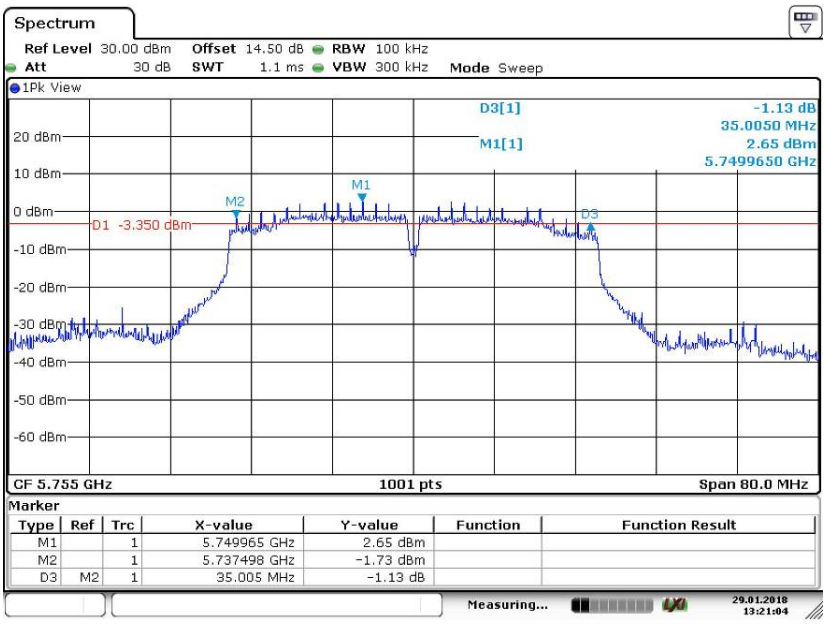
Date: 29.JAN.2018 13:07:07

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11n(HT40) mode	Frequency(MHz)	5795



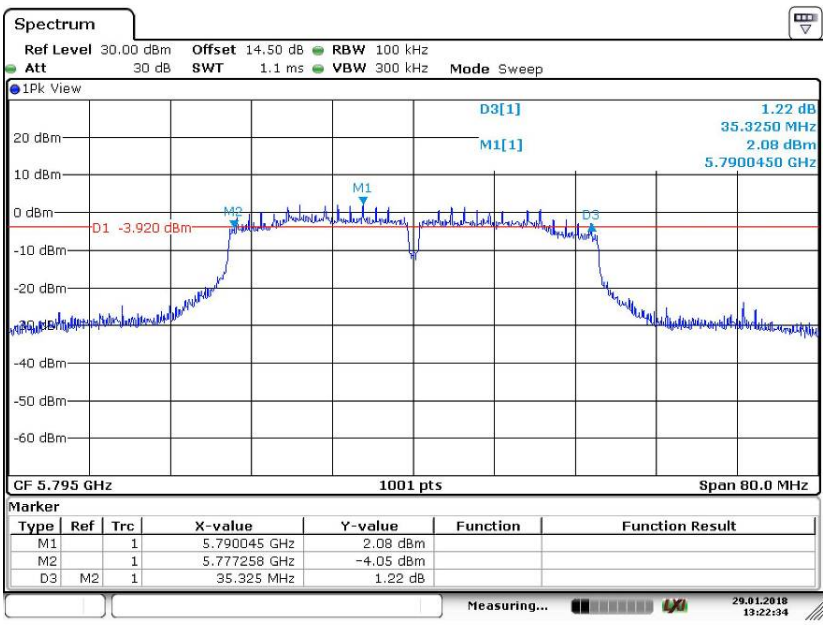
Date: 29.JAN.2018 13:08:19

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5755



Date: 29.JAN.2018 13:21:04

Minimum Emission Bandwidth		UNII Band III	
Test Model	802.11ac(VHT40) mode	Frequency(MHz)	5795



Date: 29.JAN.2018 13:22:34

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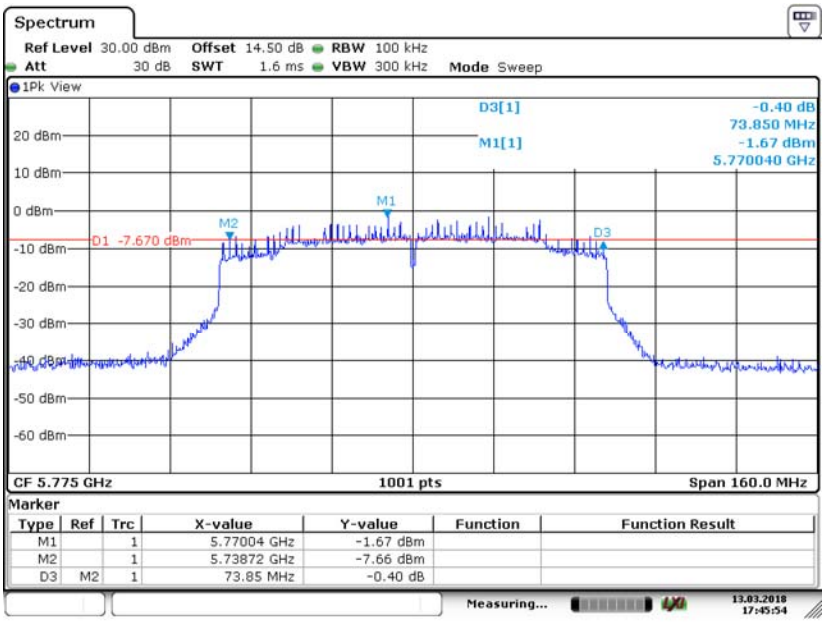
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5775



Date: 13.MAR.2018 17:45:54

8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

- For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
(a) (1) (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(a) (2) the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- For the band 5.725-5.85 GHz

(a) (3)For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.2.4 Test Procedure

Method 1 For Normal Bandwidth 20MHz, 40MHz

The maximum average conducted output power can be measured using Method PM-G (Measurement using an RF average power meter):

a. The Transmitter output (antenna port) was connected to the power meter.
b. Turn on the EUT and power meter and then record the power value.
c. Repeat above procedures on all channels needed to be tested.

Method 2 For Normal Bandwidth 80MHz

Measurement of maximum conducted output power using a spectrum analyzer (Method SA-1 from KDB 789033)

a. Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
b. Set RBW = 1 MHz.
c. Set VBW $\geqslant$ 3 MHz.
d. Number of points in sweep $\geqslant$ 2 $\times$ span / RBW. (This ensures that bin-to-bin spacing is $\leqslant$ RBW/2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto.
f. Detector = power averaging (rms)
g. Trace average at least 100 traces in power averaging (rms) mode.
h. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

8.2.5 Test Results

☒ 802.11a mode			
Temperature :	28℃	Test By:	King Kong
Humidity :	65 %		

Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)		Limit (dBm)	Verdict
			Ant0	Ant1		
UNII Band I	CH36	5180	16.01	15.84	24.00	Pass
	CH40	5200	16.04	15.23	24.00	Pass
	CH48	5240	15.04	15.25	24.00	Pass
UNII Band II-A	CH52	5260	14.97	15.53	24.00	Pass
	CH56	5280	15.55	15.38	24.00	Pass
	CH64	5320	15.52	14.92	24.00	Pass
UNII Band II-C	CH100	5500	16.66	16.65	24.00	Pass
	CH120	5600	15.57	15.77	24.00	Pass
	CH140	5700	15.82	15.91	24.00	Pass
UNII Band III	CH149	5745	15.24	15.53	30.00	Pass
	CH157	5785	15.99	16.88	30.00	Pass
	CH165	5825	16.51	16.28	30.00	Pass
Note: N/A (Not Applicable)						

☒ 802.11n(HT20) mode			
Temperature :	28℃	Test By:	King Kong
Humidity :	65 %		

Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH36	5180	15.89	14.76	18.372	23.94	Pass
	CH40	5200	15.83	14.65	18.290	23.94	Pass
	CH48	5240	14.89	14.64	17.777	23.94	Pass
UNII Band II-A	CH52	5260	14.82	14.97	17.906	23.94	Pass
	CH56	5280	15.41	14.78	18.117	23.94	Pass
	CH64	5320	15.33	14.36	17.882	23.94	Pass
UNII Band II-C	CH100	5500	16.45	15.72	19.111	24.00	Pass
	CH120	5600	15.37	14.90	18.152	24.00	Pass
	CH140	5700	15.71	15.06	18.407	24.00	Pass
UNII Band III	CH149	5745	15.04	14.47	17.775	29.78	Pass
	CH157	5785	15.05	15.90	18.506	29.78	Pass
	CH165	5825	16.37	15.38	18.913	29.78	Pass

☒ 802.11ac(VHT20) mode

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

Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH36	5180	15.88	14.86	18.410	23.94	Pass
	CH40	5200	15.79	14.26	18.102	23.94	Pass
	CH48	5240	14.84	14.31	17.593	23.94	Pass
UNII Band II-A	CH52	5260	14.76	14.58	17.681	23.94	Pass
	CH56	5280	15.39	14.42	17.942	23.94	Pass
	CH64	5320	15.33	13.99	17.722	23.94	Pass
UNII Band II-C	CH100	5500	16.45	14.32	18.525	24.00	Pass
	CH120	5600	15.36	15.24	18.311	24.00	Pass
	CH140	5700	15.62	15.35	18.497	24.00	Pass
UNII Band III	CH149	5745	15.08	14.91	18.006	29.78	Pass
	CH157	5785	15.80	15.92	18.871	29.78	Pass
	CH165	5825	16.36	15.34	18.890	29.78	Pass

☒ 802.11n(HT40) mode

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

Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH38	5190	14.95	14.69	17.832	23.94	Pass
	CH46	5230	14.16	14.62	17.406	23.94	Pass
UNII Band II-A	CH54	5270	13.73	14.93	17.382	23.94	Pass
	CH62	5310	14.62	14.50	17.571	23.94	Pass
UNII Band II-C	CH102	5510	15.73	15.28	18.521	24.00	Pass
	CH118	5590	14.20	15.05	17.656	24.00	Pass
	CH134	5670	13.22	14.92	17.163	24.00	Pass
UNII Band III	CH151	5755	14.75	15.24	18.012	29.78	Pass
	CH159	5795	15.81	15.95	18.891	29.78	Pass

☒ 802.11ac(VHT40) mode

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

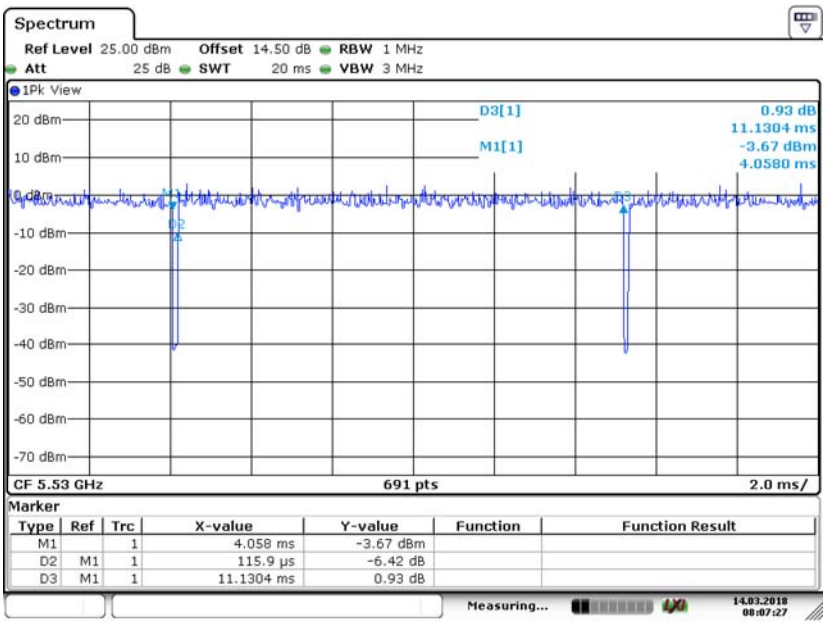
Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)			Limit (MHz)	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH38	5190	15.16	14.77	17.980	23.94	Pass
	CH46	5230	14.50	14.66	17.591	23.94	Pass
UNII Band II-A	CH54	5270	14.22	15.02	17.649	23.94	Pass
	CH62	5310	15.20	14.52	17.884	23.94	Pass
UNII Band II-C	CH102	5510	14.91	15.32	18.130	24.00	Pass
	CH118	5590	15.00	15.07	18.045	24.00	Pass
	CH134	5670	15.16	14.82	18.004	24.00	Pass
UNII Band III	CH151	5755	15.42	15.22	18.331	29.78	Pass
	CH159	5795	15.27	15.94	18.628	29.78	Pass

☒ 802.11ac(VHT80) mode

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

Band	Channel Number	Channel Freq. (MHz)	Conducted Output Power(dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
UNII Band I	CH42	5210	11.54	11.75	14.657	23.94	Pass
UNII Band II-A	CH58	5290	12.00	11.69	14.858	23.94	Pass
UNII Band II-C	CH106	5530	13.81	13.31	16.577	24.00	Pass
	CH122	5610	14.22	14.22	17.230	24.00	Pass
UNII Band III	CH155	5775	11.69	11.99	14.853	29.78	Pass

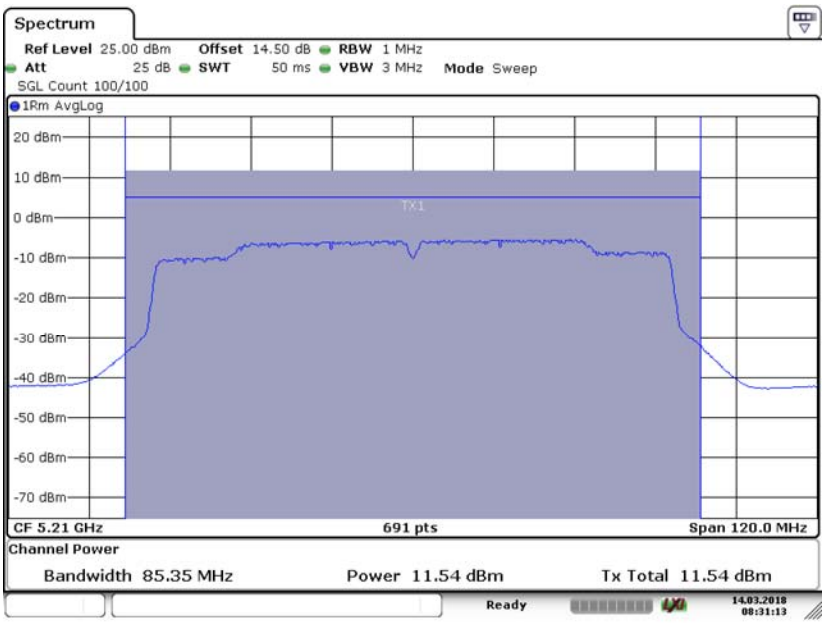
Duty cycle=98.9%>98%



Date: 14.MAR.2018 08:07:27

MAXIMUM CONDUCTED OUTPUT POWER		UNII Band I	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5210

Ant0



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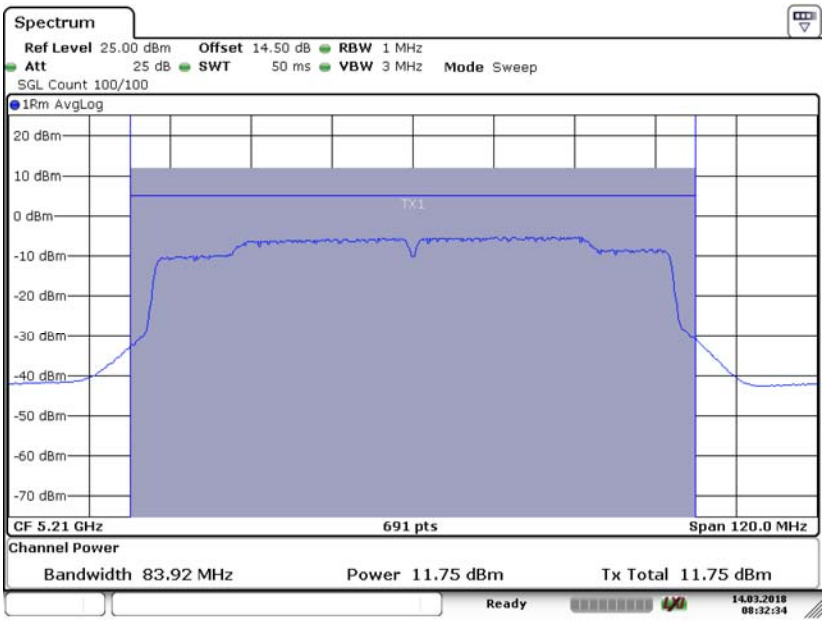
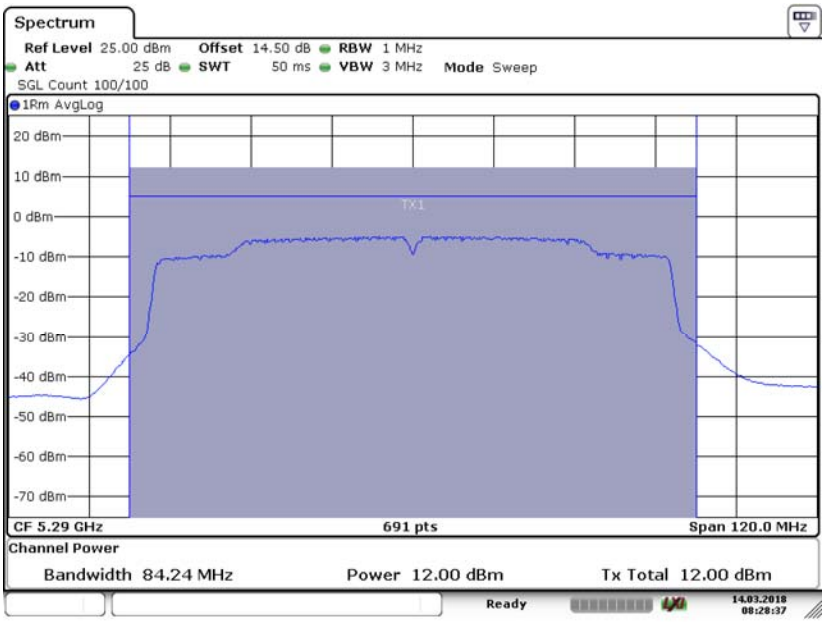
Ant1



Date: 14.MAR.2018 08:32:34

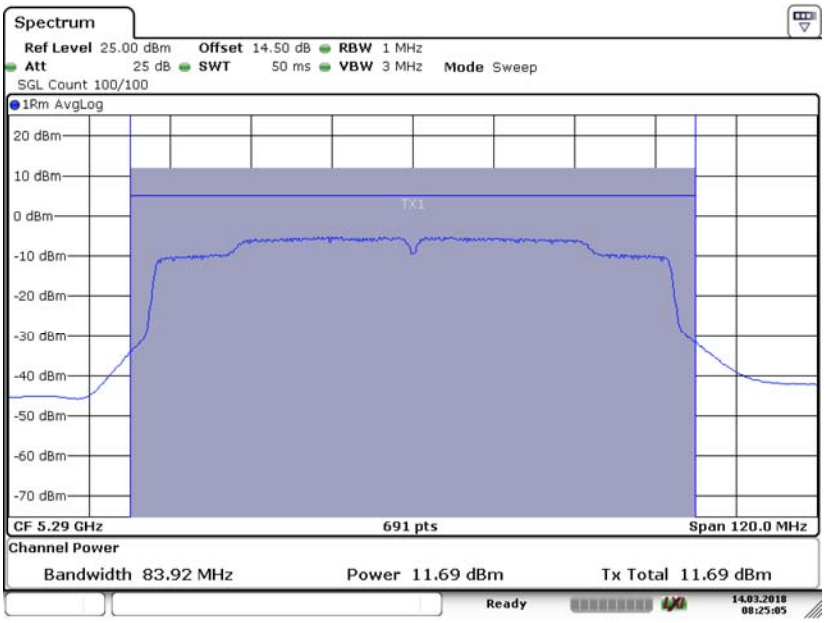
MAXIMUM CONDUCTED OUTPUT POWER		UNII Band II-A	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5290

Ant0



Date: 14.MAR.2018 08:28:37

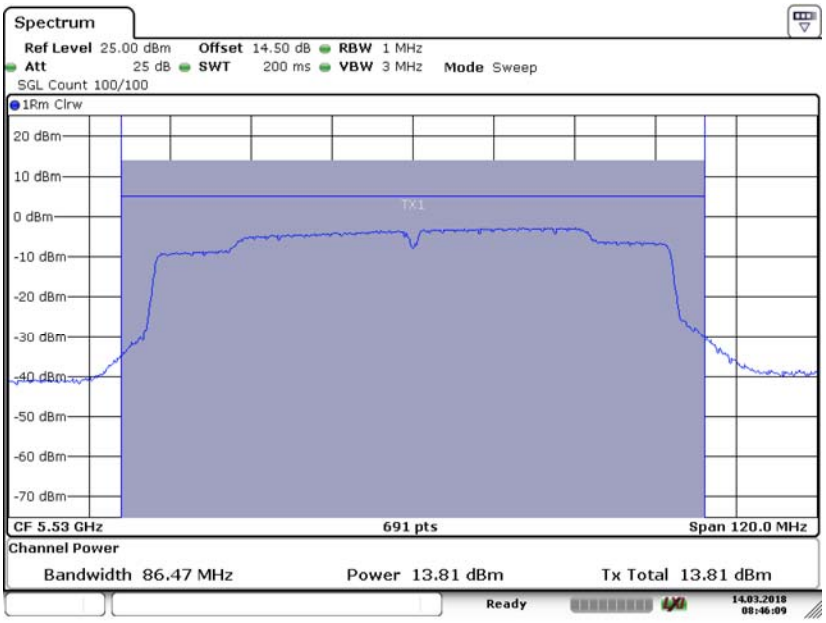
Ant1



Date: 14.MAR.2018 08:25:05

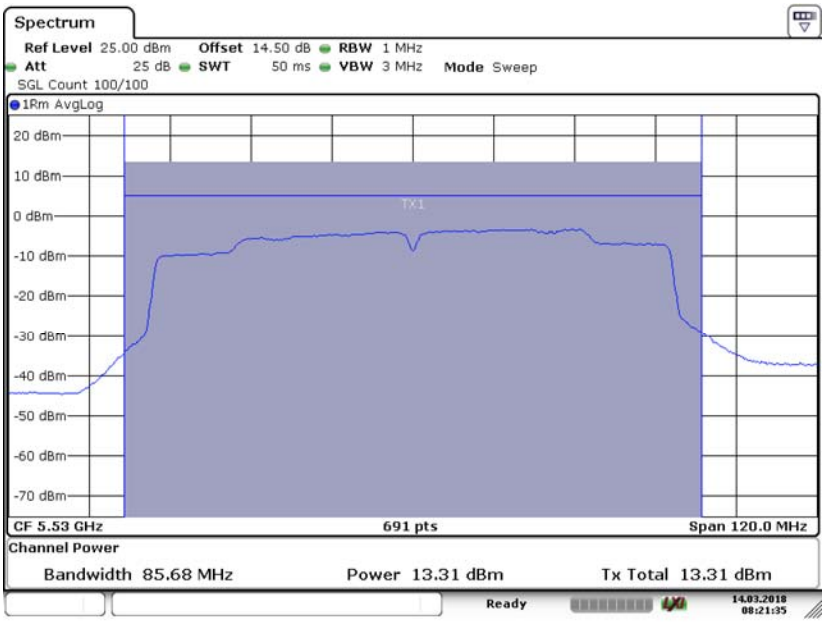
MAXIMUM CONDUCTED OUTPUT POWER		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5530

Ant0



Date: 14.MAR.2018 08:46:10

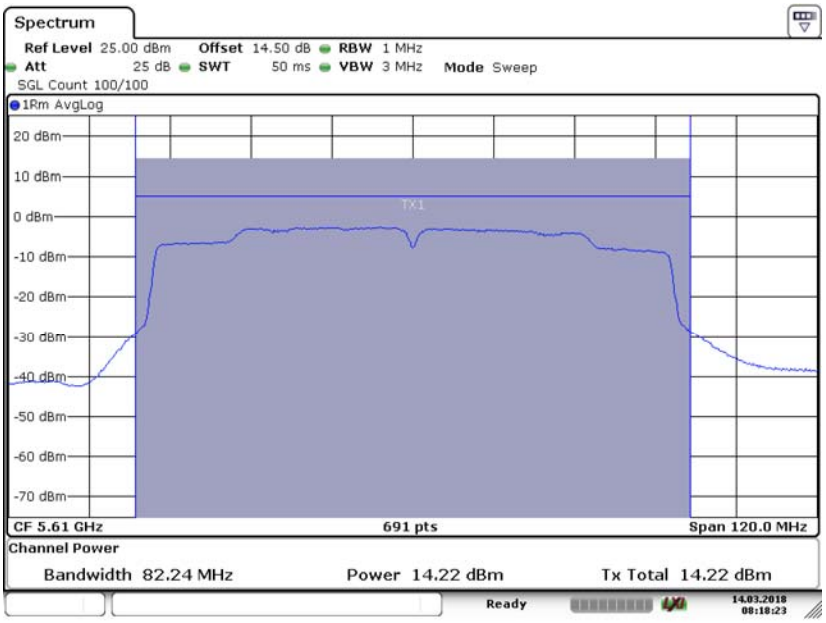
Ant1



Date: 14.MAR.2018 08:21:35

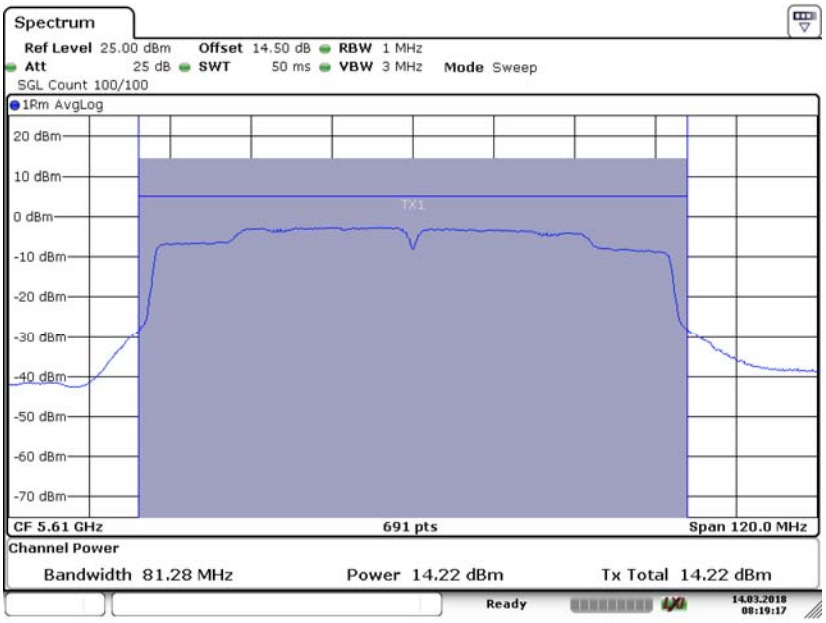
MAXIMUM CONDUCTED OUTPUT POWER		UNII Band II-C	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5610

Ant0



Date: 14.MAR.2018 08:18:23

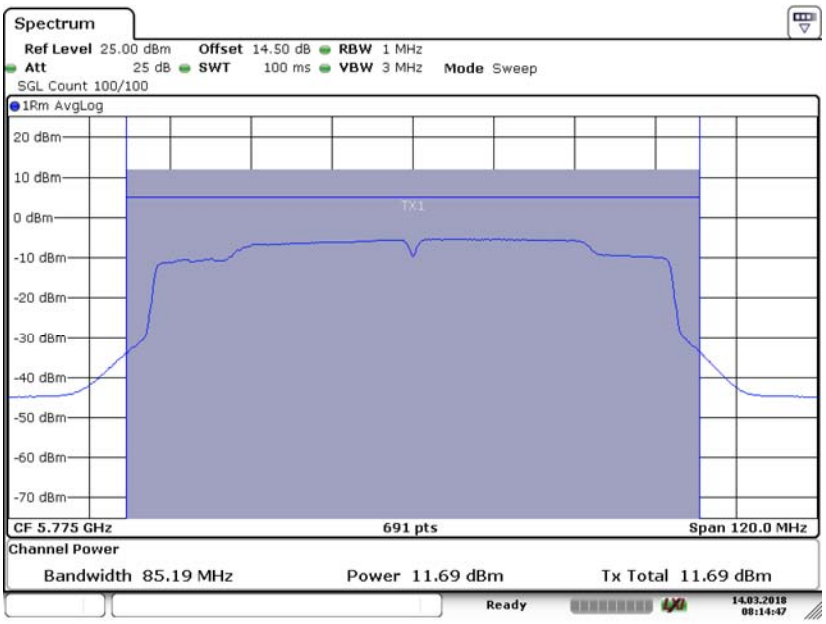
Ant1



Date: 14.MAR.2018 08:19:17

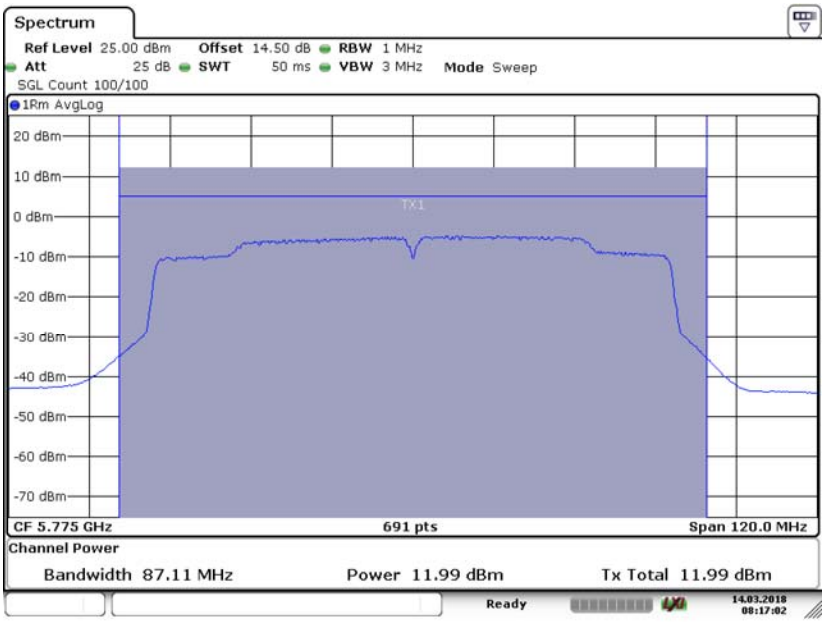
MAXIMUM CONDUCTED OUTPUT POWER		UNII Band III	
Test Model	802.11ac(VHT80) mode	Frequency(MHz)	5775

Ant0



Date: 14.MAR.2018 08:14:47

Ant1



Date: 14.MAR.2018 08:17:02

8.3 MAXIMUM PEAK POWER DENSITY

8.3.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(F)

8.3.2 Conformance Limit

- For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
(a) (1) (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(b) (2) the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- For the band 5.725-5.85 GHz

(a) (3)For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.3.4 Test Procedure

Methods refer to FCC KDB 789033

1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power…”.

2) Use the peak search function on the instrument to find the peak of the spectrum.

3) The result is the PPSD.
4) The above procedures make use of 500kHz resolution bandwidth to satisfy the 500kHz measurement bandwidth specified in the 15.407(a)(5). That rule section also permits use of resolution bandwidths less than 1 MHz “provided that the measured power is integrated to show the total power over the measurement bandwidth” (i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 500kHz bandwidth
Note: As a practical matter, it is recommended to use reduced RBW of 500 kHz for the sections 5.c) and 5.d) above, since RBW=500 kHz is available on nearly all spectrum analyzers.

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	1.73	3.23	≤10.94dBm/1MHz	Pass
	CH40	5200	3.11	2.93	≤10.94dBm/1MHz	Pass
	CH48	5240	1.06	1.28	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH52	5260	2.25	2.33	≤10.94dBm/1MHz	Pass
	CH56	5280	1.88	1.91	≤10.94dBm/1MHz	Pass
	CH64	5320	2.85	1.28	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH100	5500	3.26	3.20	≤11.00dBm/1MHz	Pass
	CH120	5600	3.43	3.44	≤11.00dBm/1MHz	Pass
	CH140	5700	2.19	2.11	≤11.00dBm/1MHz	Pass
UNII Band III	CH149	5745	-1.33	-1.34	≤29.78dBm/500K Hz	Pass
	CH157	5785	0.00	-0.19	≤29.78dBm/500K Hz	Pass
	CH165	5825	-2.01	-0.48	≤29.78dBm/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	2.77	2.71	5.750	≤10.94dBm/1MHz	Pass
	CH40	5200	2.52	2.46	5.500	≤10.94dBm/1MHz	Pass
	CH48	5240	2.08	2.07	5.085	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH52	5260	1.6	1.58	4.600	≤10.94dBm/1MHz	Pass
	CH56	5280	1.39	1.3	4.356	≤10.94dBm/1MHz	Pass
	CH64	5320	2.49	2.31	5.411	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH100	5500	3.07	2.7	5.899	≤11.00dBm/1MHz	Pass
	CH120	5600	3.09	3.07	6.090	≤11.00dBm/1MHz	Pass
	CH140	5700	1.87	1.47	4.685	≤11.00dBm/1MHz	Pass
UNII Band III	CH149	5745	-1.72	-1.9	1.201	≤29.78dBm/500K Hz	Pass
	CH157	5785	-0.25	-0.31	2.730	≤29.78dBm/500K Hz	Pass
	CH165	5825	-0.57	-0.86	2.298	≤29.78dBm/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	2.77	2.7	5.745	≤10.94dBm/1MHz	Pass
	CH40	5200	1.33	1.33	4.340	≤10.94dBm/1MHz	Pass
	CH48	5240	1.71	1.71	4.720	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH52	5260	1.53	1.53	4.540	≤10.94dBm/1MHz	Pass
	CH56	5280	1.49	1.49	4.500	≤10.94dBm/1MHz	Pass
	CH64	5320	2.22	2.22	5.230	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH100	5500	2.68	2.68	5.690	≤11.00dBm/1MHz	Pass
	CH120	5600	2.81	2.81	5.820	≤11.00dBm/1MHz	Pass
	CH140	5700	1.26	1.26	4.270	≤11.00dBm/1MHz	Pass
UNII Band III	CH149	5745	-1.85	-1.85	1.160	≤29.78dBm/500K Hz	Pass
	CH157	5785	-0.58	-0.58	2.430	≤29.78dBm/500K Hz	Pass
	CH165	5825	-1.04	-1.04	1.970	≤29.78dBm/500K Hz	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	-0.32	-0.29	2.705	≤10.94dBm/1MHz	Pass
	CH46	5230	-0.63	-0.75	2.321	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH54	5270	-0.64	-0.77	2.306	≤10.94dBm/1MHz	Pass
	CH62	5310	-2.77	-2.89	0.181	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH102	5510	-0.05	-0.29	2.842	≤11.00dBm/1MHz	Pass
	CH118	5590	0.91	0.89	3.910	≤11.00dBm/1MHz	Pass
	CH134	5670	-0.27	-0.58	2.588	≤11.00dBm/1MHz	Pass
UNII Band III	CH151	5755	-4.27	-4.64	-1.441	≤29.78dBm/500K Hz	Pass
	CH159	5795	-3.85	-4.05	-0.939	≤29.78dBm/500K Hz	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	-0.34	-0.2	2.741	≤10.94dBm/1MHz	Pass
	CH46	5230	-0.62	-0.54	2.430	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH54	5270	-0.66	-0.91	2.227	≤10.94dBm/1MHz	Pass
	CH62	5310	-2.76	-2.97	0.147	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH102	5510	-0.12	-0.44	2.733	≤11.00dBm/1MHz	Pass
	CH118	5590	0.94	0.98	3.970	≤11.00dBm/1MHz	Pass
	CH134	5670	-0.25	-0.46	2.657	≤11.00dBm/1MHz	Pass
UNII Band III	CH151	5755	-4.41	-4.48	-1.435	≤29.78dBm/500K Hz	Pass
	CH159	5795	-4.03	-3.99	-1.000	≤29.78dBm/500K Hz	Pass

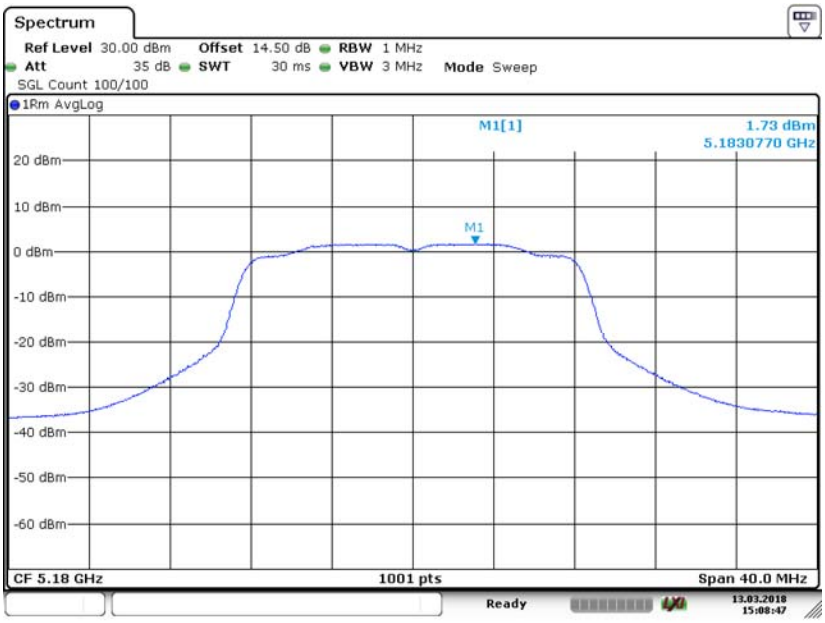
☒ 802.11ac(VHT80) mode

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	-6.93	-7.02	-3.964	≤10.94dBm/1MHz	Pass
UNII Band II-A	CH58	5290	-8.29	-8.26	-5.265	≤10.94dBm/1MHz	Pass
UNII Band II-C	CH106	5530	-2.81	-2.91	0.151	≤11.00dBm/1MHz	Pass
	CH122	5610	-2.29	-2.35	0.690	≤11.00dBm/1MHz	Pass
UNII Band III	CH155	5775	-7.41	-7.45	-4.420	≤29.78dBm/500K Hz	Pass

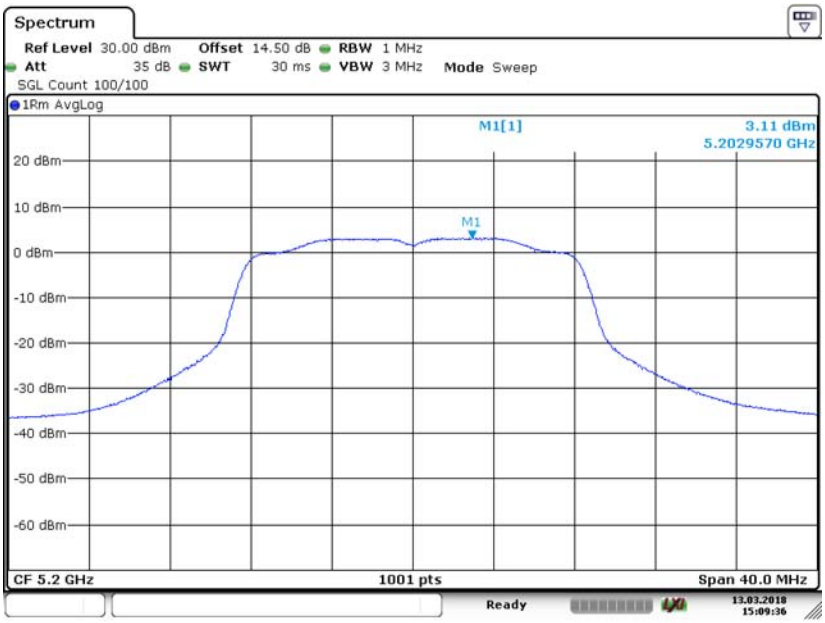
A. Antenna 0

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



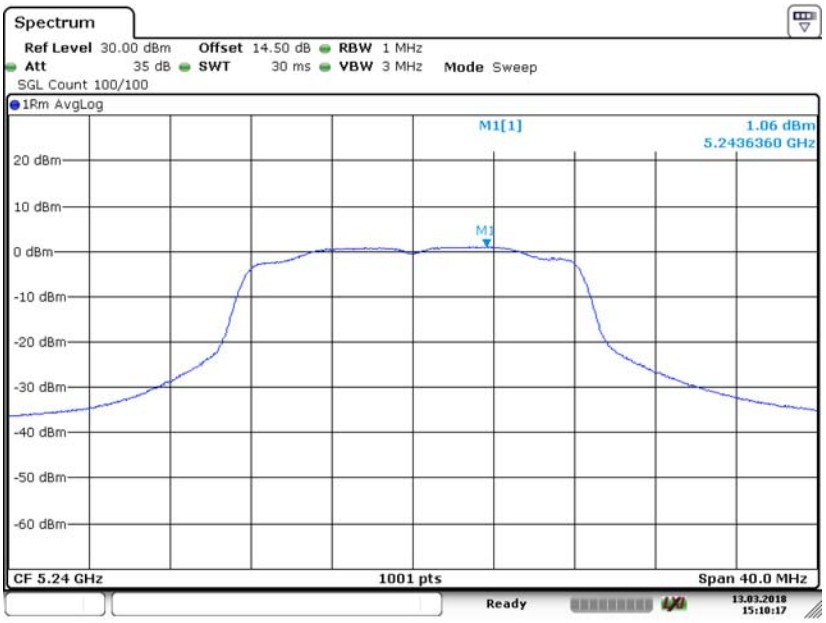
Date: 13.MAR.2018 15:08:48

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



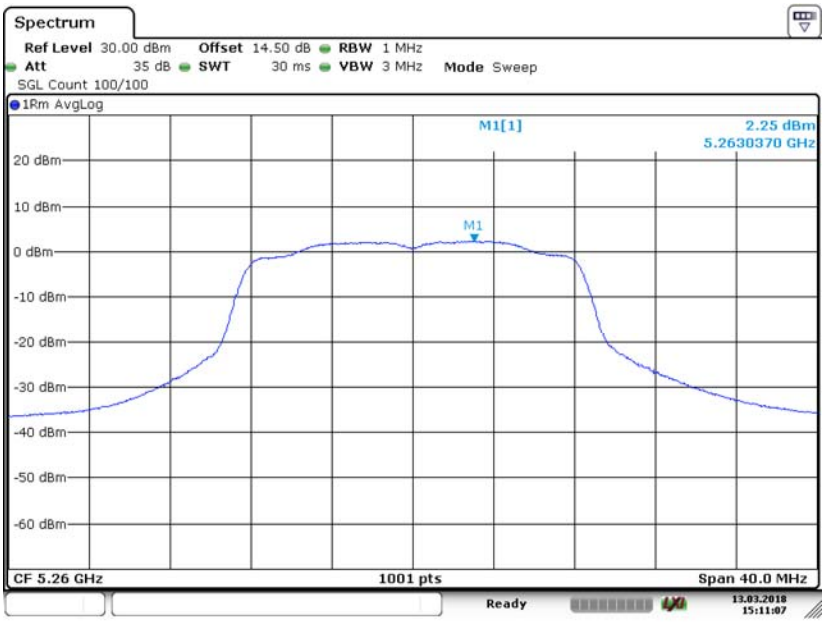
Date: 13.MAR.2018 15:09:36

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



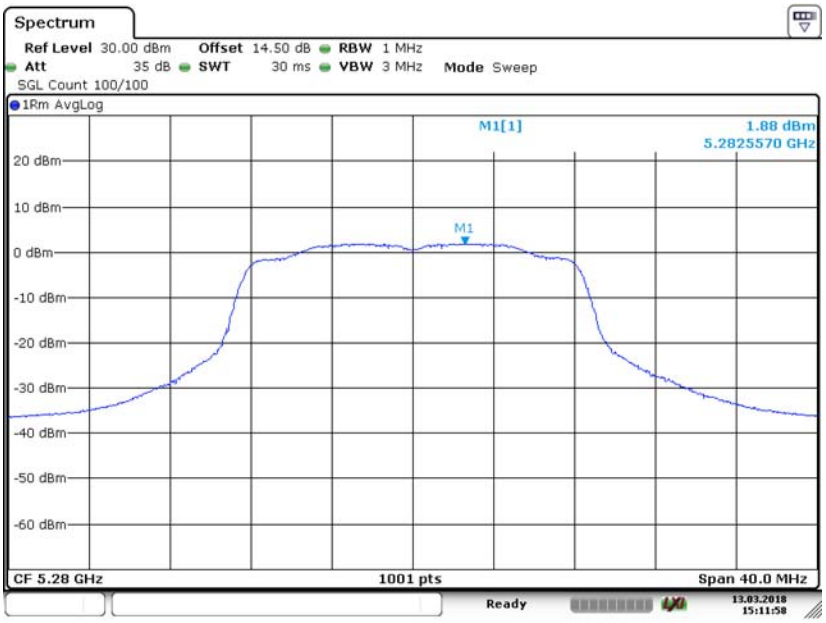
Date: 13.MAR.2018 15:10:17

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



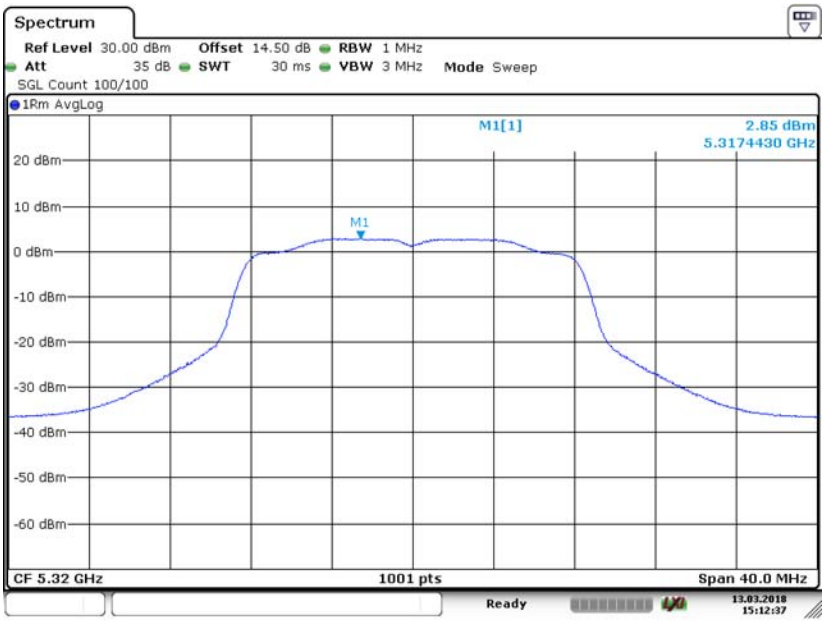
Date: 13.MAR.2018 15:11:08

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



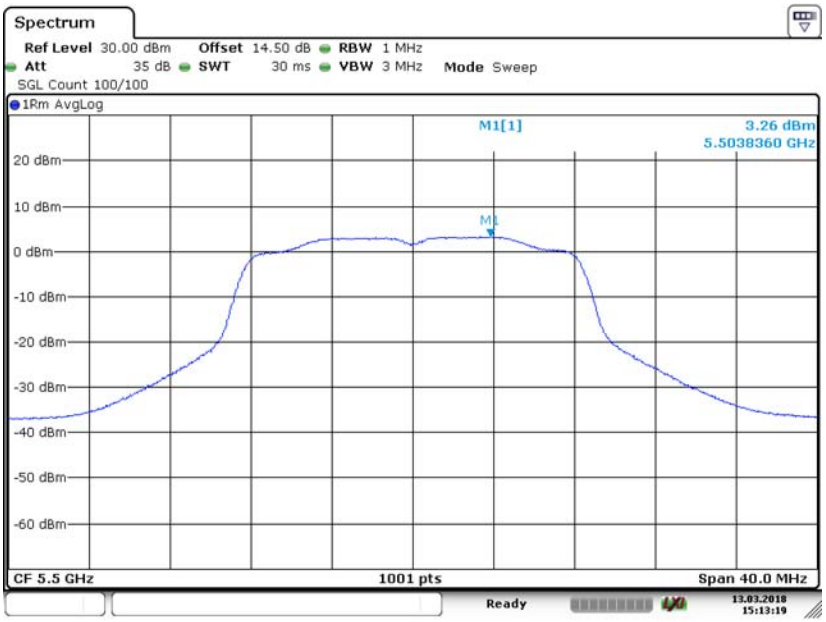
Date: 13.MAR.2018 15:11:58

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



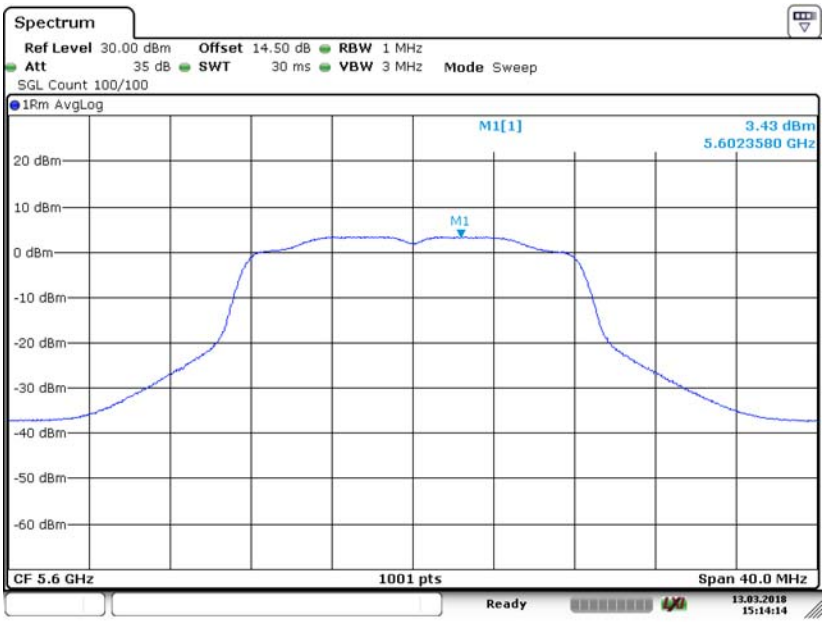
Date: 13.MAR.2018 15:12:37

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



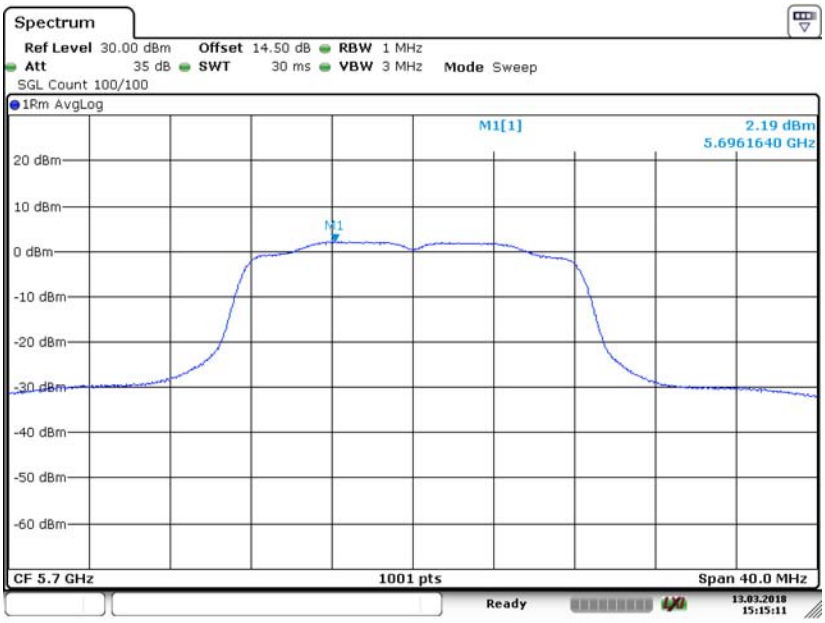
Date: 13.MAR.2018 15:13:19

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



Date: 13.MAR.2018 15:14:14

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

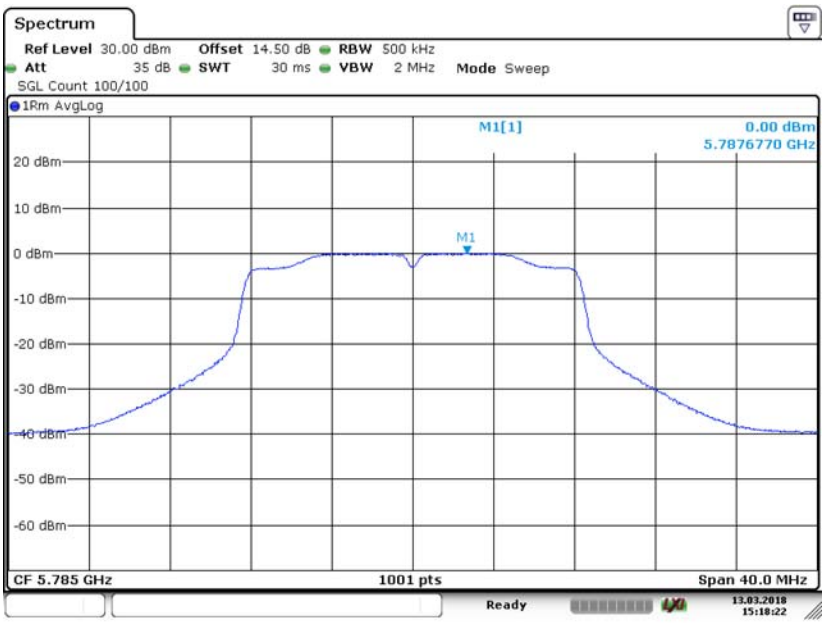


Date: 13.MAR.2018 15:15:11

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

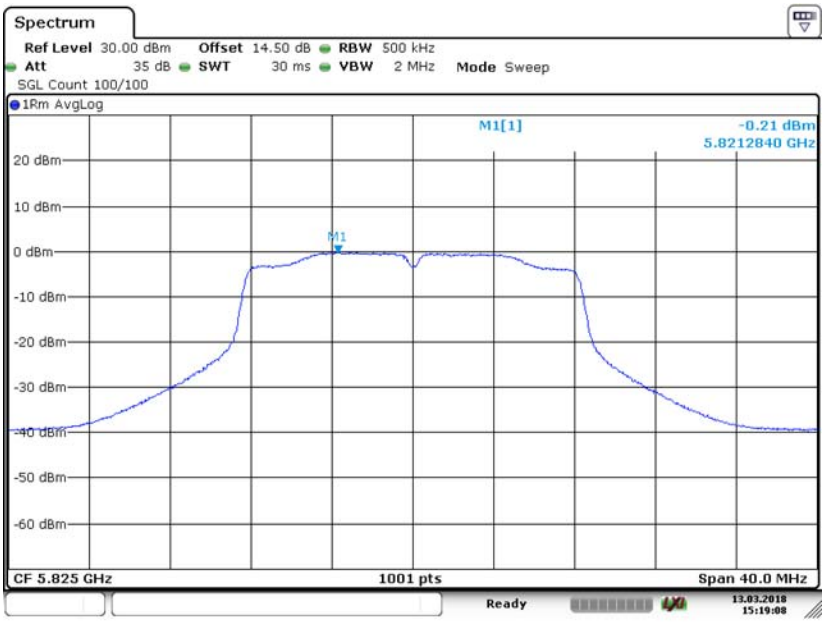
Date: 13.MAR.2018 15:17:25

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



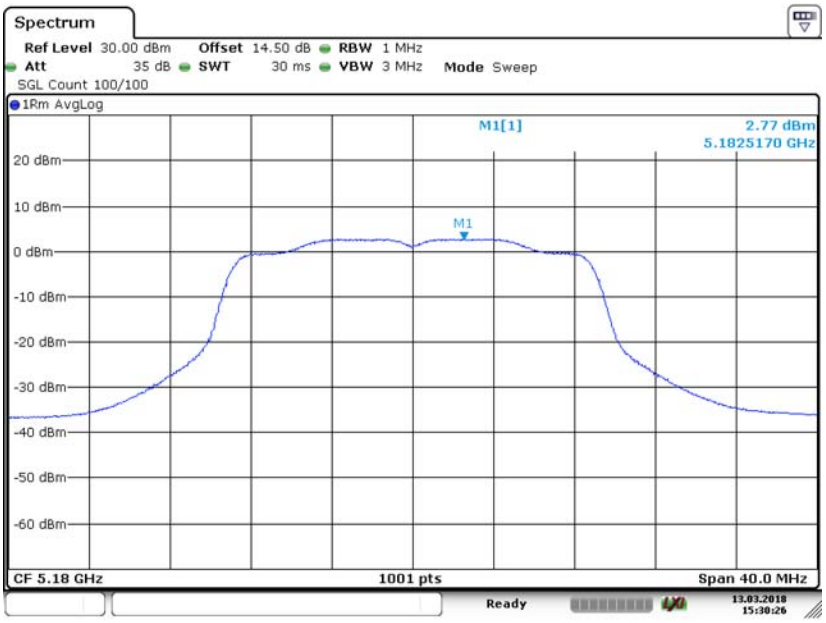
Date: 13.MAR.2018 15:18:22

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



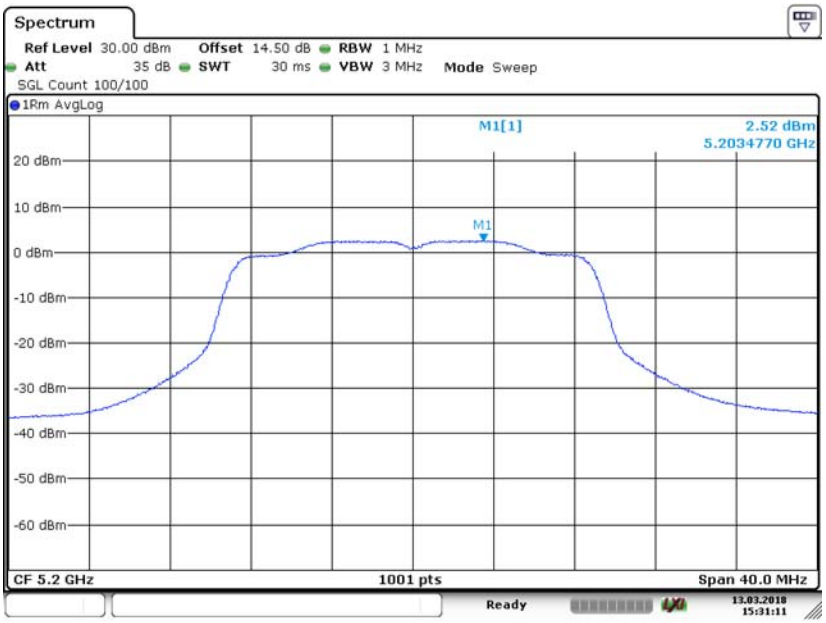
Date: 13.MAR.2018 15:19:08

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



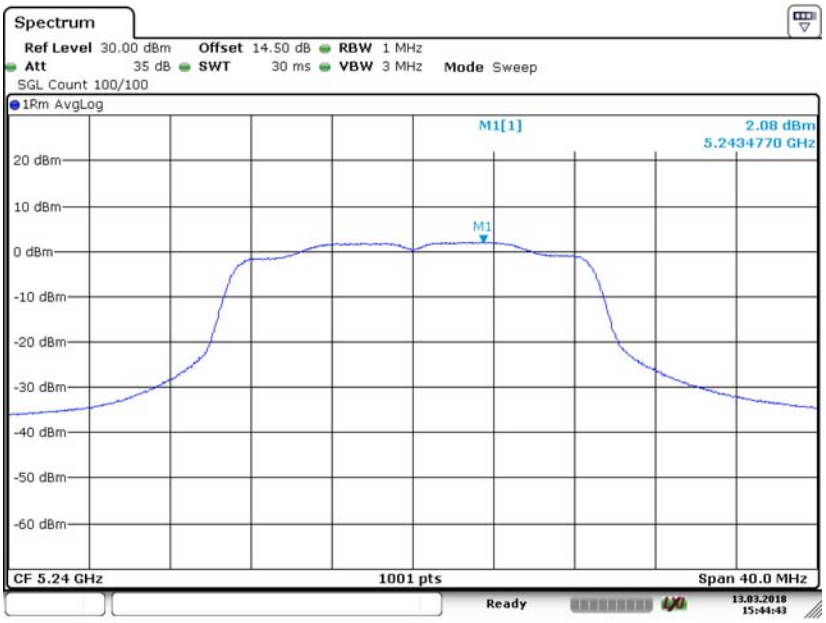
Date: 13.MAR.2018 15:30:27

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



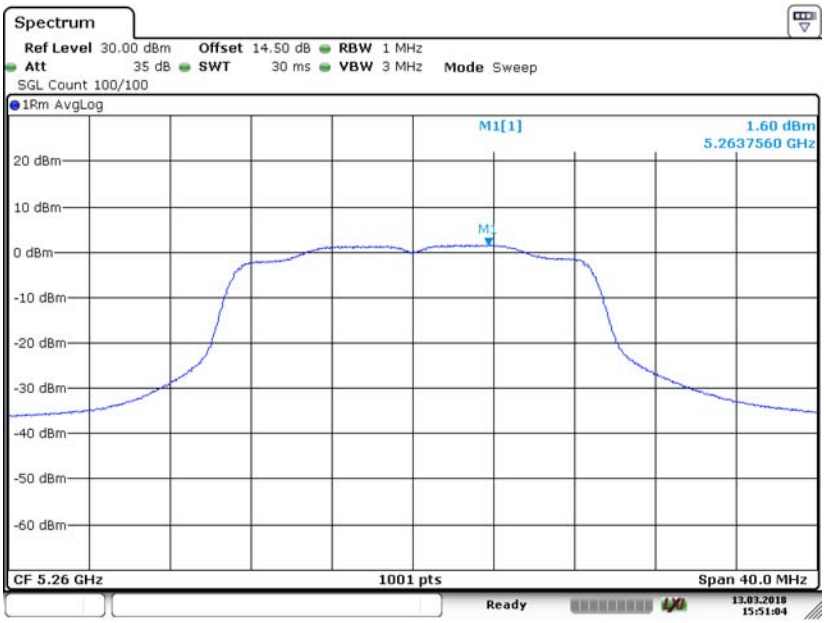
Date: 13.MAR.2018 15:31:11

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



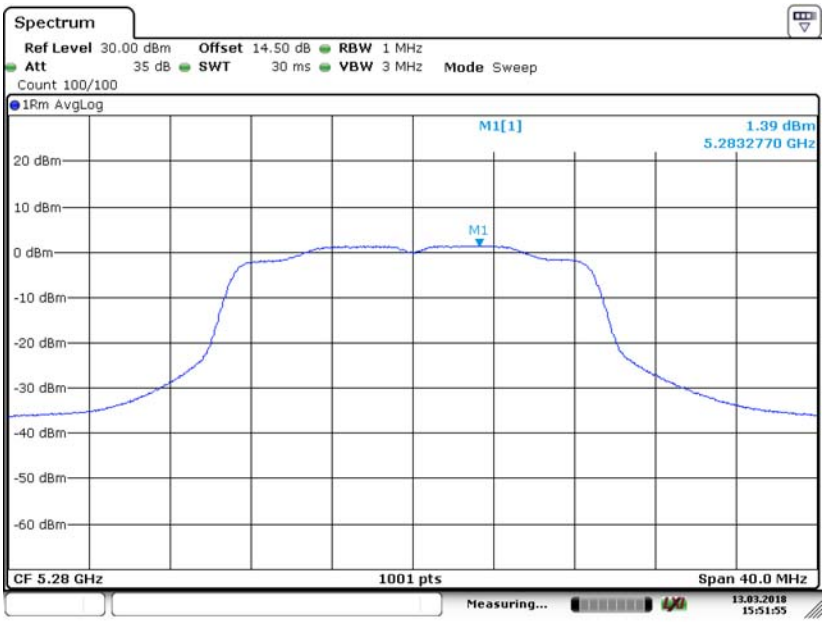
Date: 13.MAR.2018 15:44:44

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



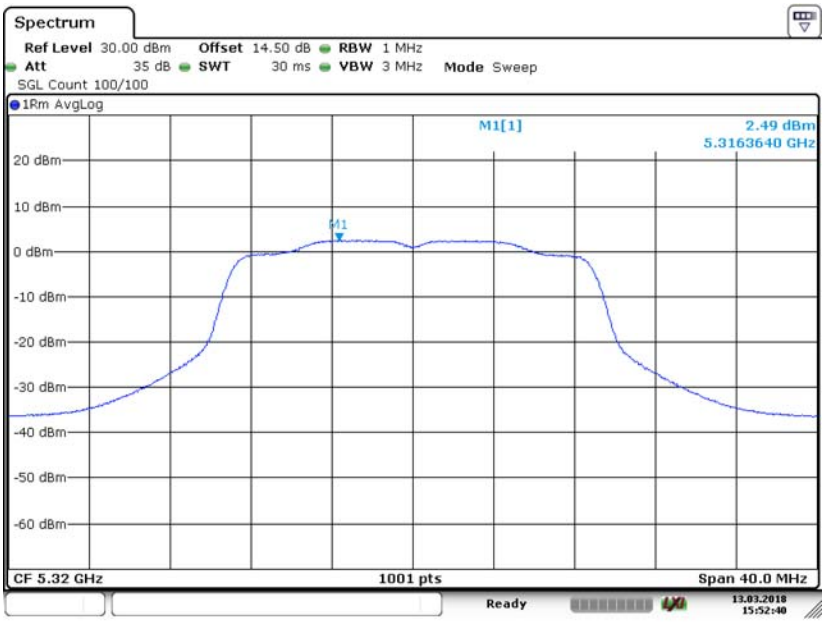
Date: 13.MAR.2018 15:51:05

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



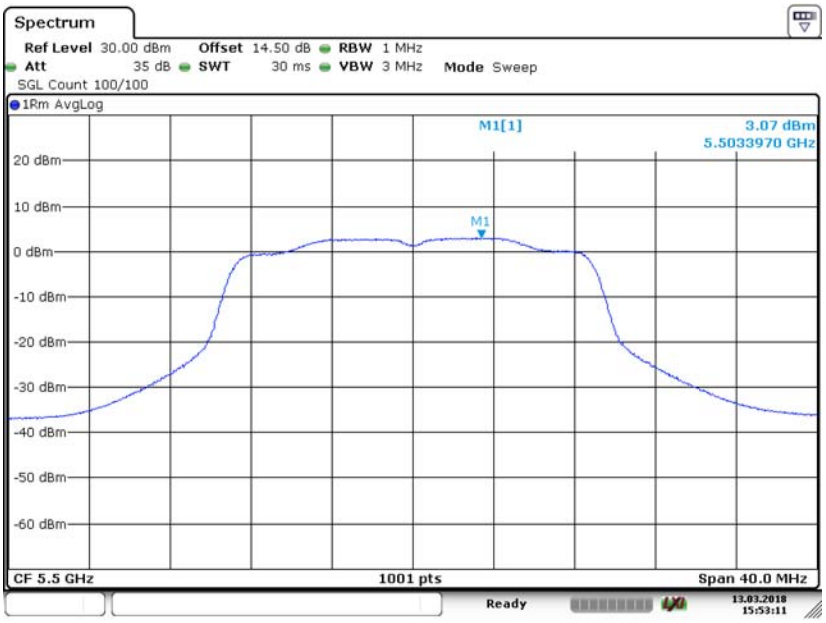
Date: 13.MAR.2018 15:51:55

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



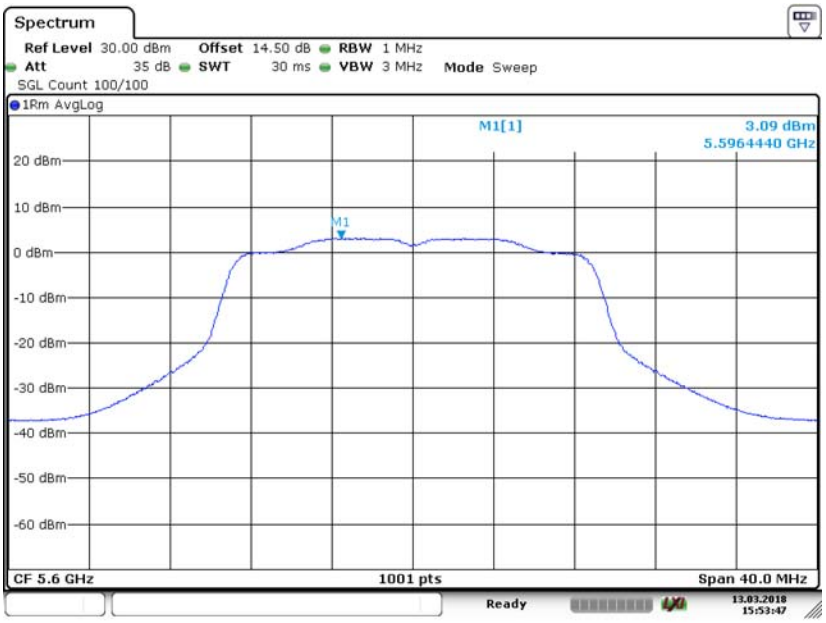
Date: 13.MAR.2018 15:52:39

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



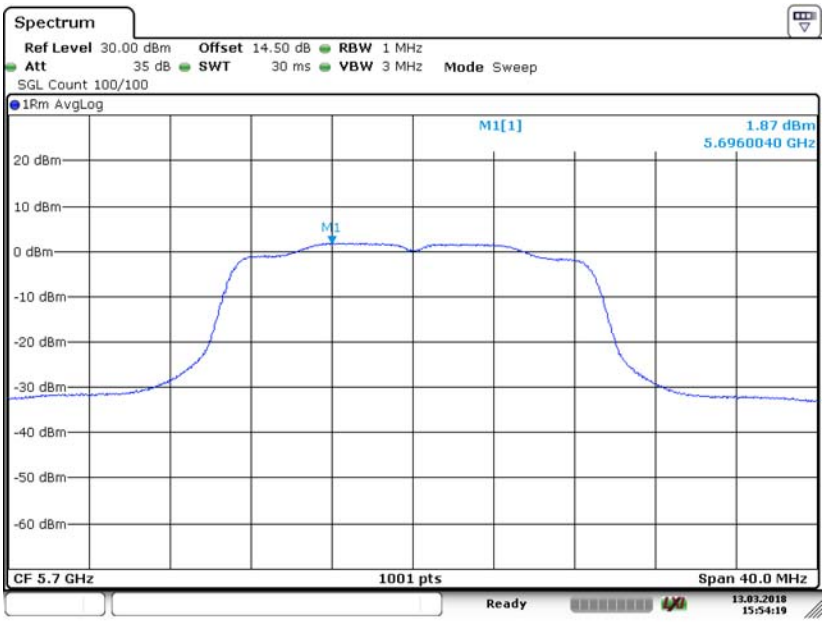
Date: 13.MAR.2018 15:53:12

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



Date: 13.MAR.2018 15:53:46

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

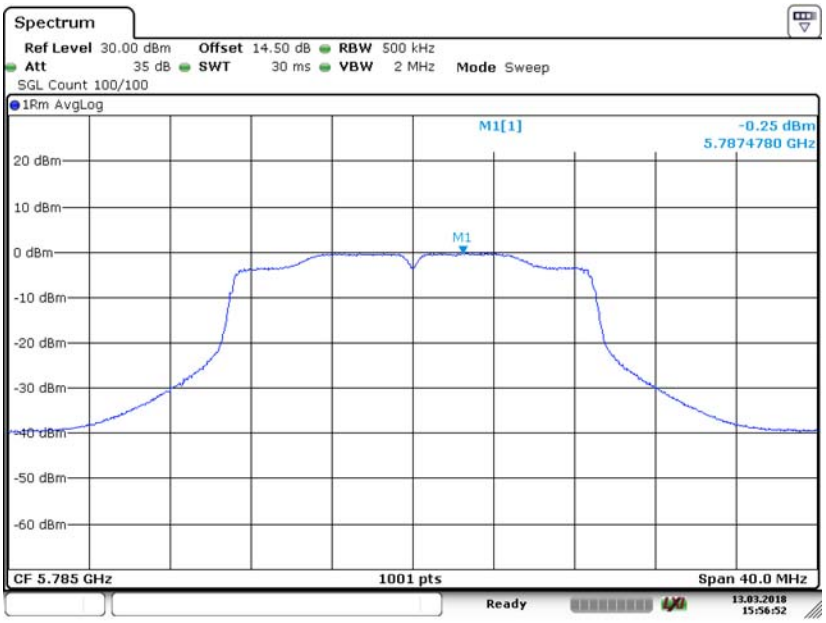


Date: 13.MAR.2018 15:54:19

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

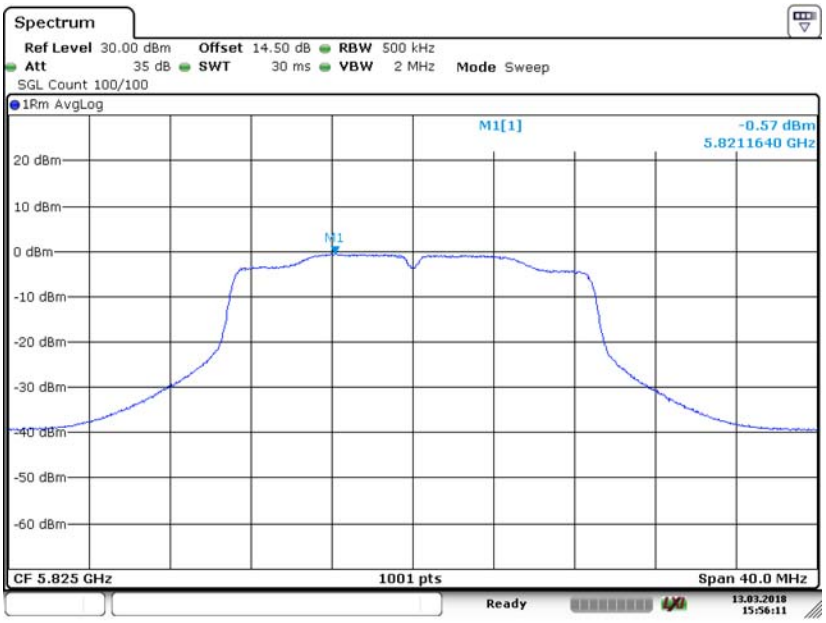
Date: 13.MAR.2018 15:55:31

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



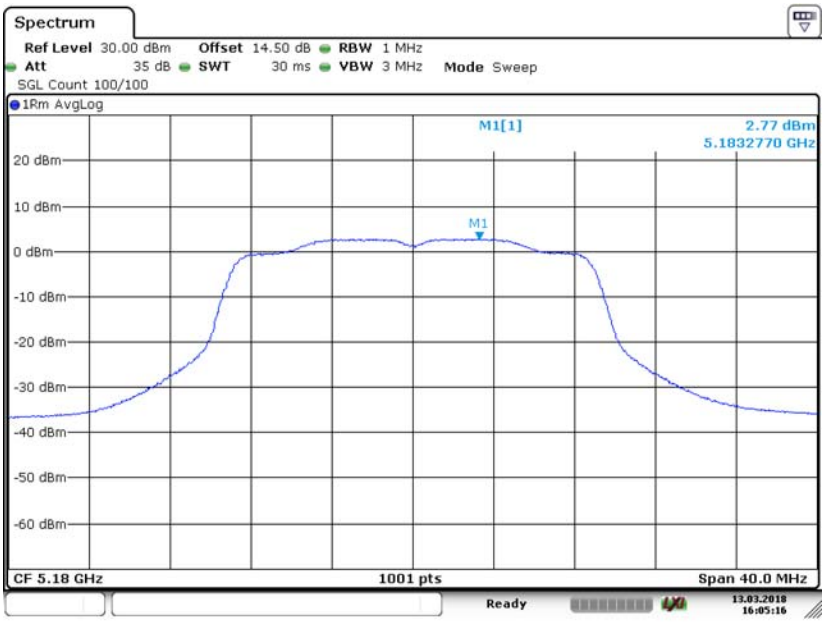
Date: 13.MAR.2018 15:56:52

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



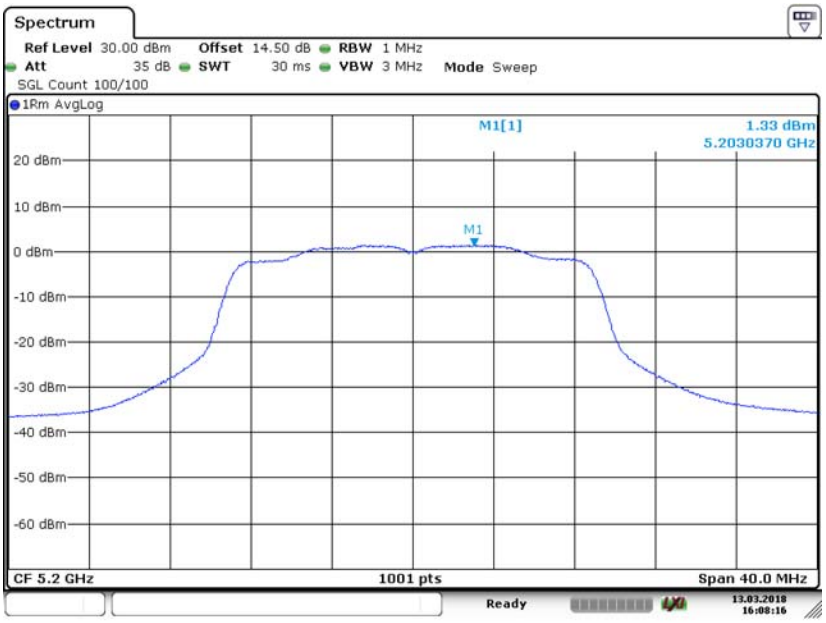
Date: 13.MAR.2018 15:56:10

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



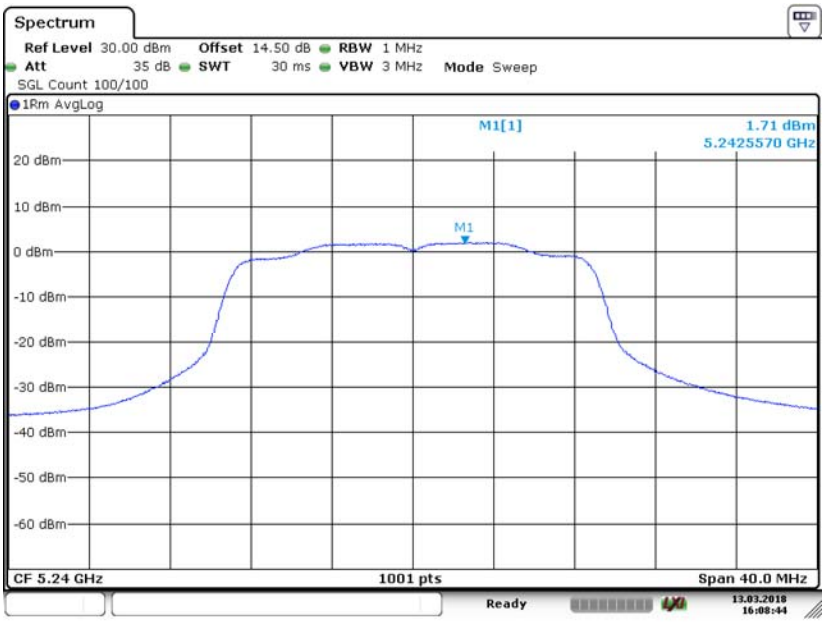
Date: 13.MAR.2018 16:05:16

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



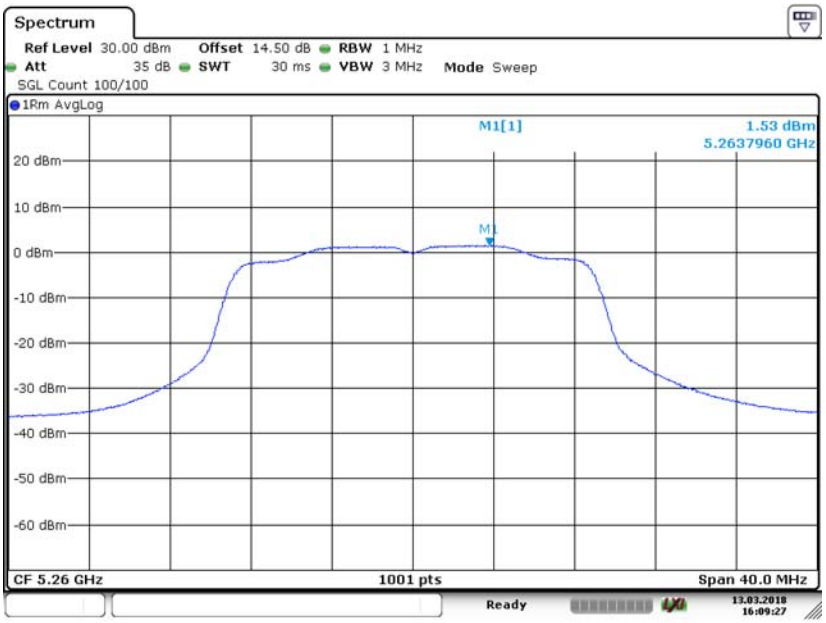
Date: 13.MAR.2018 16:08:16

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



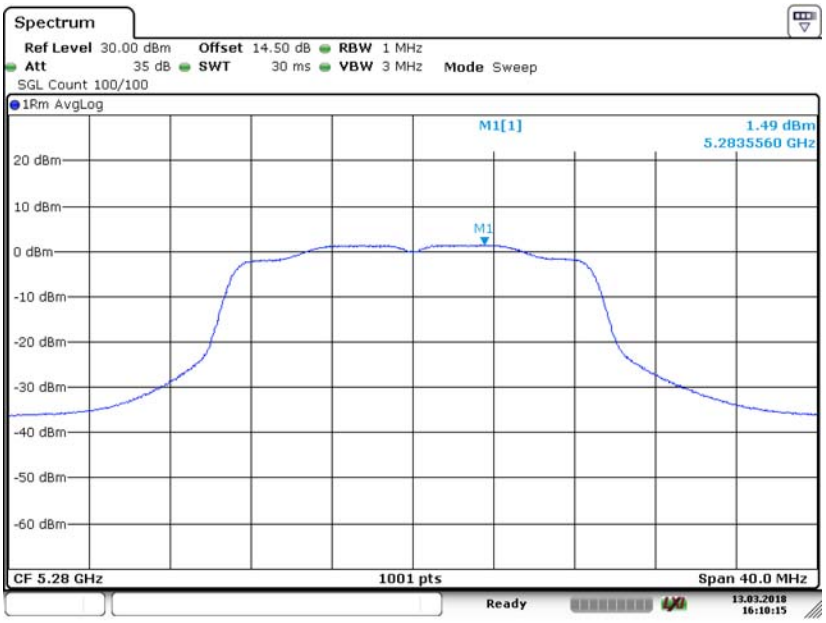
Date: 13.MAR.2018 16:08:44

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



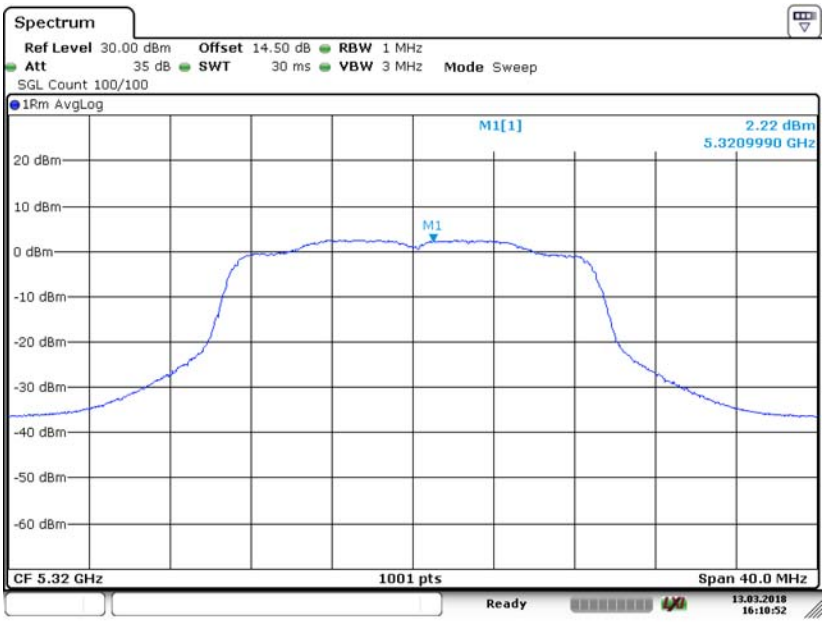
Date: 13.MAR.2018 16:09:26

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



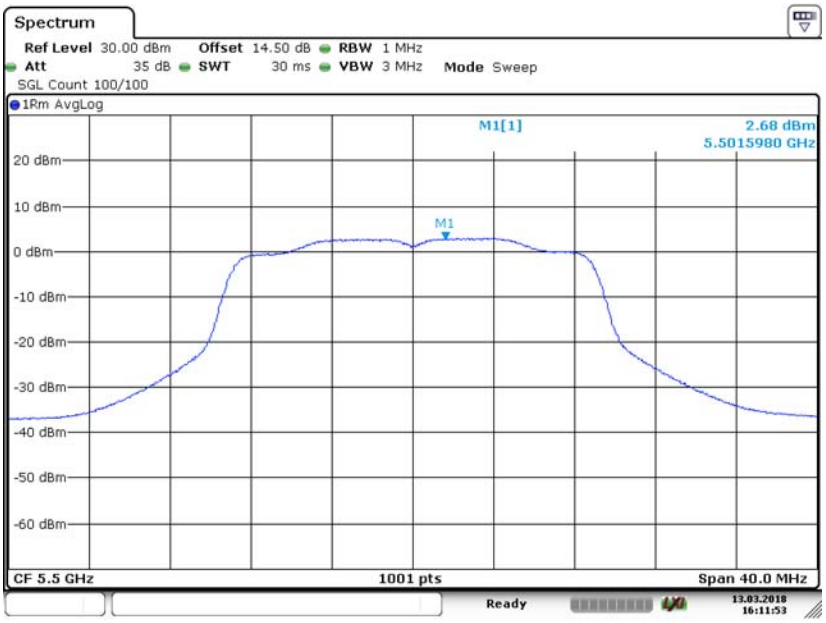
Date: 13.MAR.2018 16:10:16

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



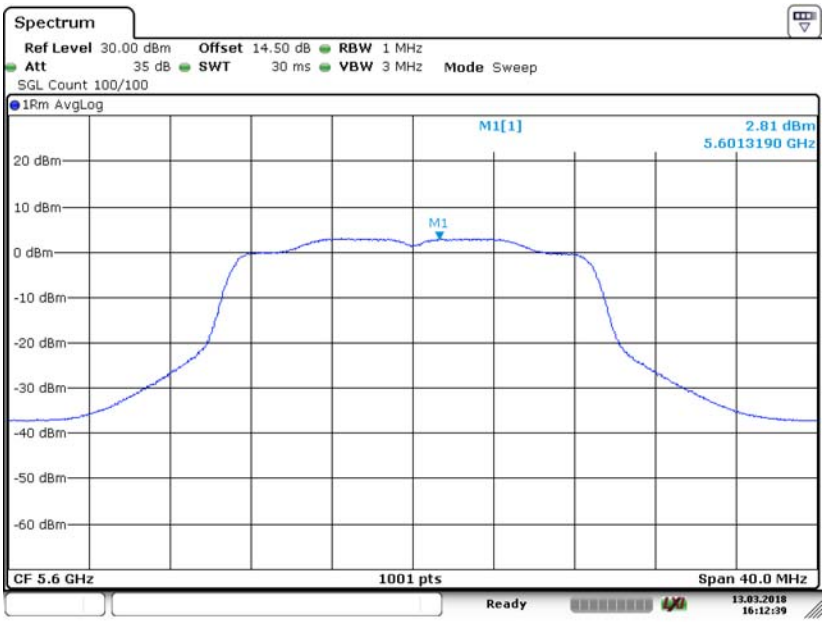
Date: 13.MAR.2018 16:10:52

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



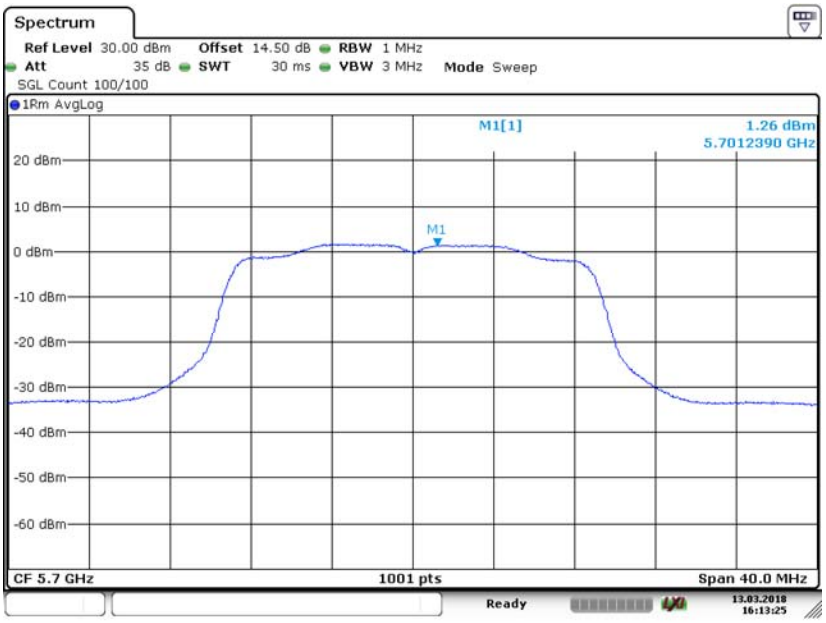
Date: 13.MAR.2018 16:11:53

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



Date: 13.MAR.2018 16:12:39

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

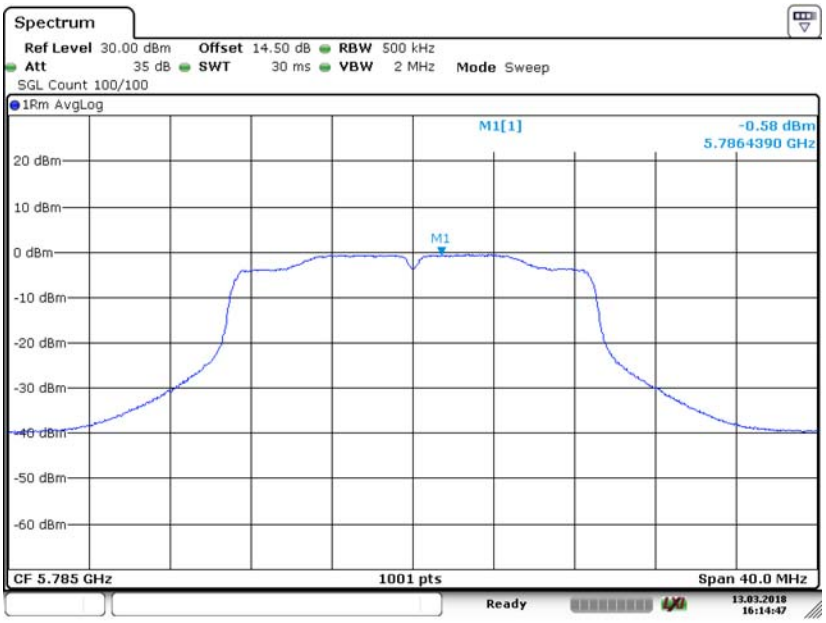


Date: 13.MAR.2018 16:13:25

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

Date: 13.MAR.2018 16:14:05

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



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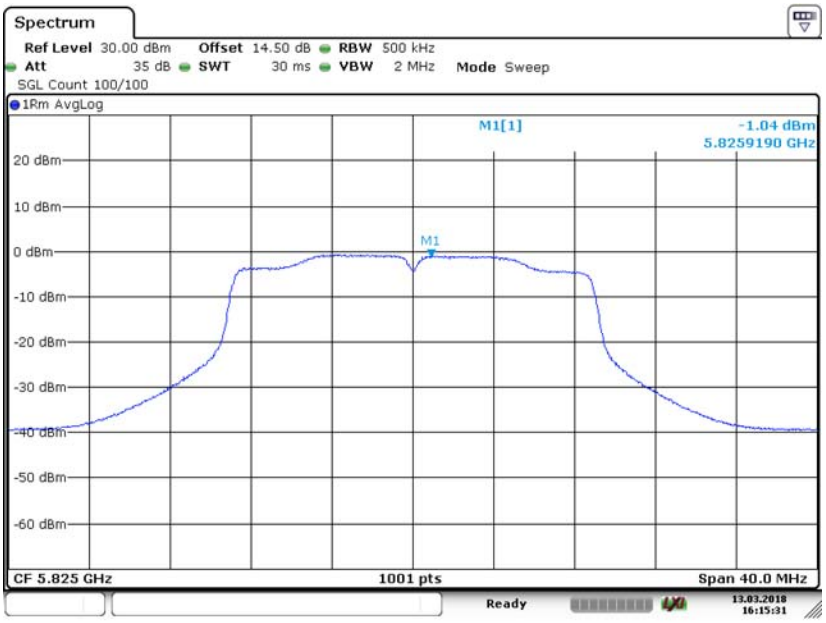
Power Spectral Density		UNII Band III	
Test Model	802.11ac(VHT20) mode	Frequency(MHz)	5825



Date: 13.MAR.2018 16:15:31