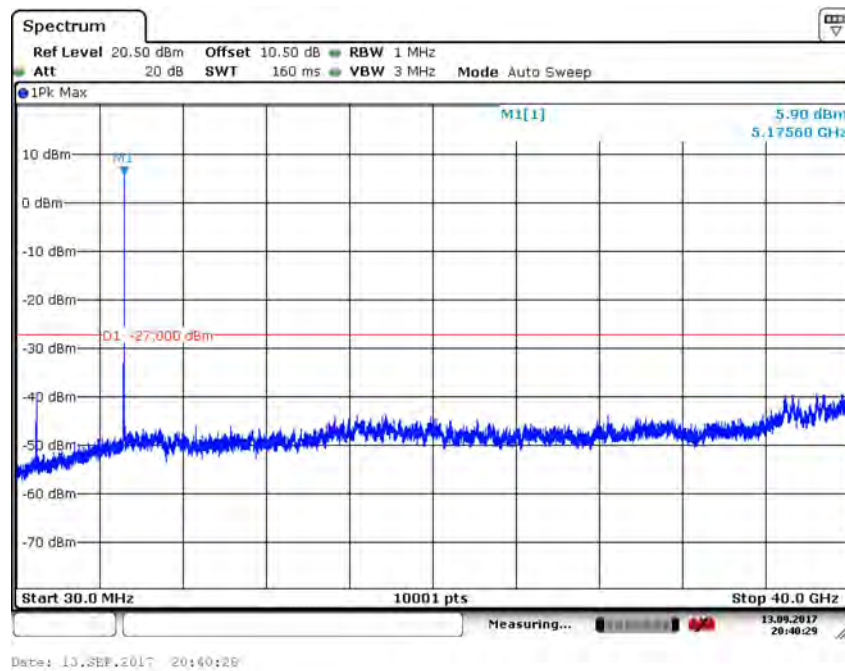
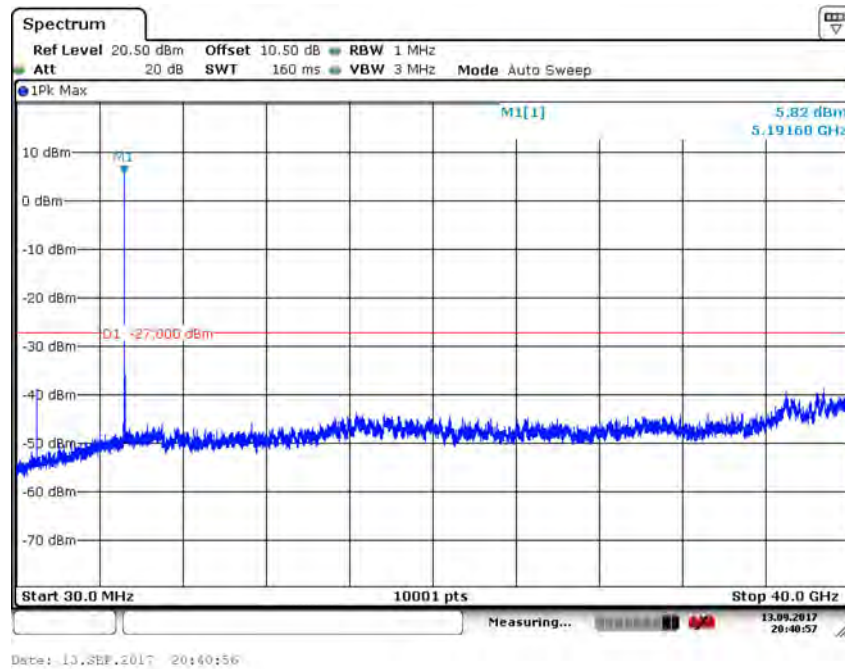


Test Mode: 802.11ac (HT20)

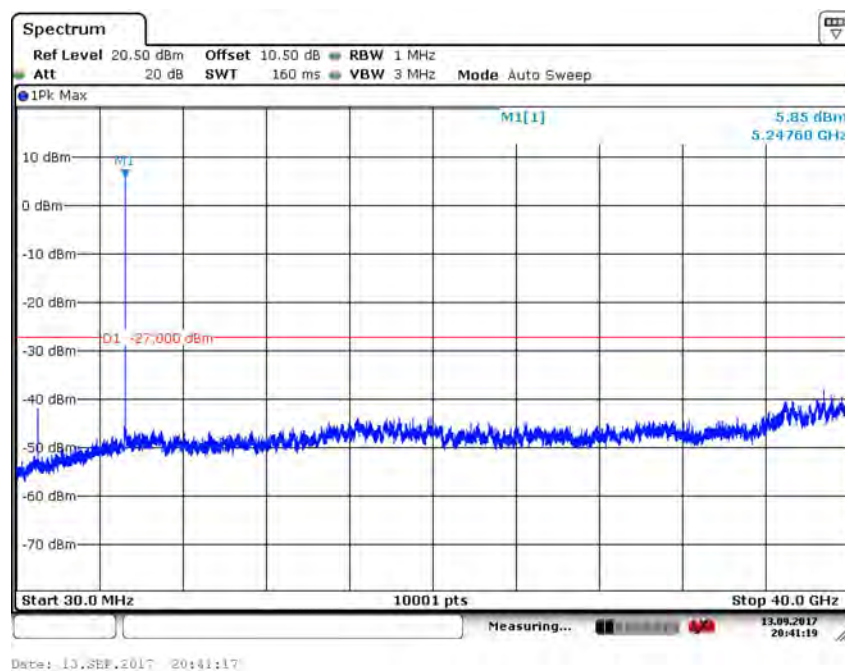


Carrier frequency (MHz): 5180

Test Mode: 802.11ac (HT20)

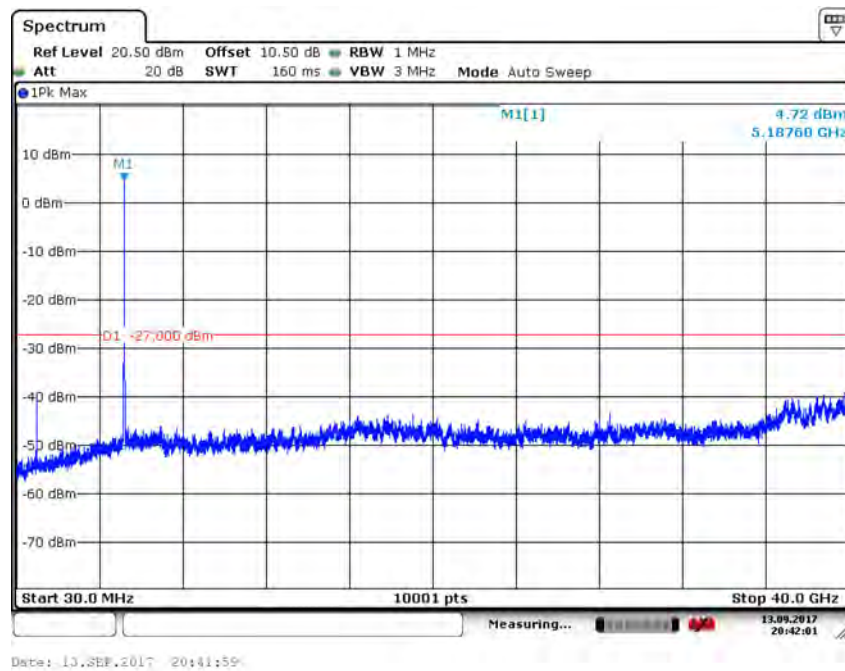


Carrier frequency (MHz): 5200
Test Mode: 802.11ac (HT20)



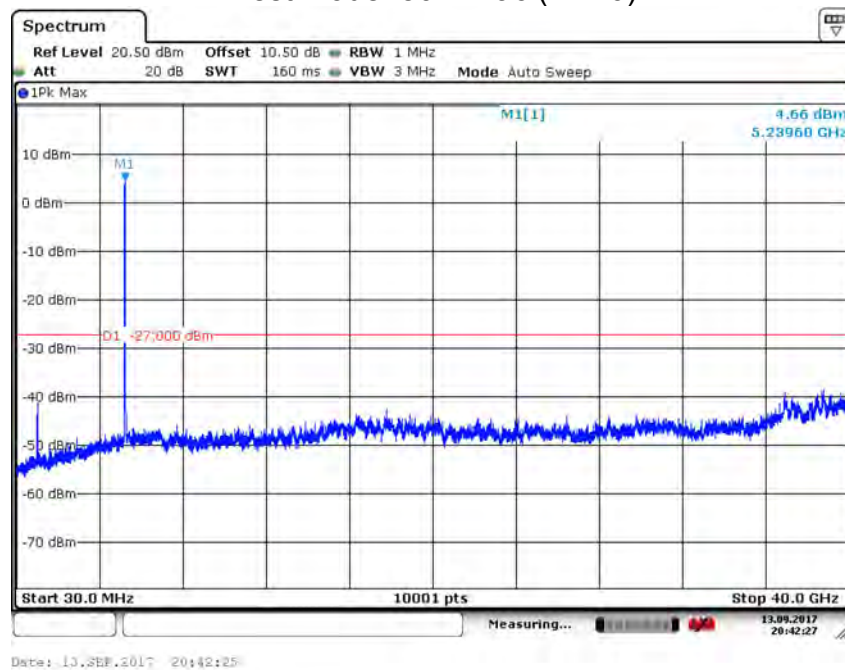
Carrier frequency (MHz): 5240
Test Mode: 802.11ac (HT20)

Test Mode: 802.11ac (HT40)



Carrier frequency (MHz): 5190

Test Mode: 802.11ac (HT40)

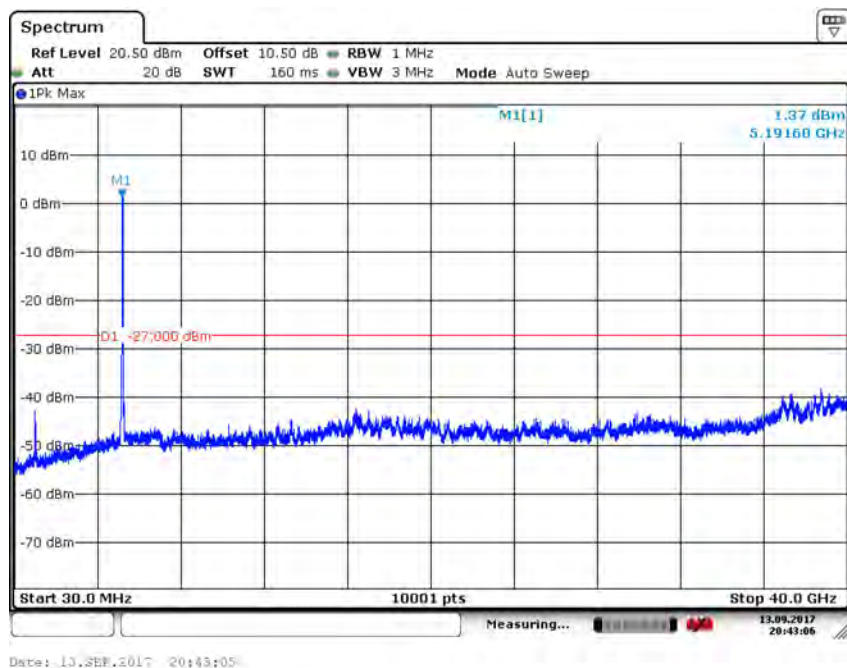


Carrier frequency (MHz): 5230

Test Mode: 802.11ac (HT40)

Test Mode: 802.11ac (HT80)

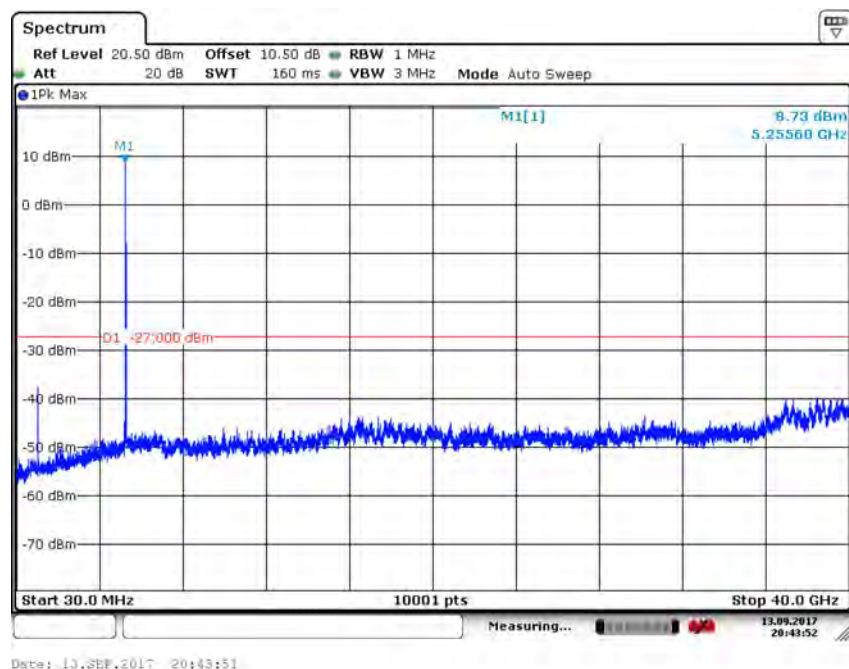
Carrier frequency (MHz)	Power Density (dBm)
5210	1.37



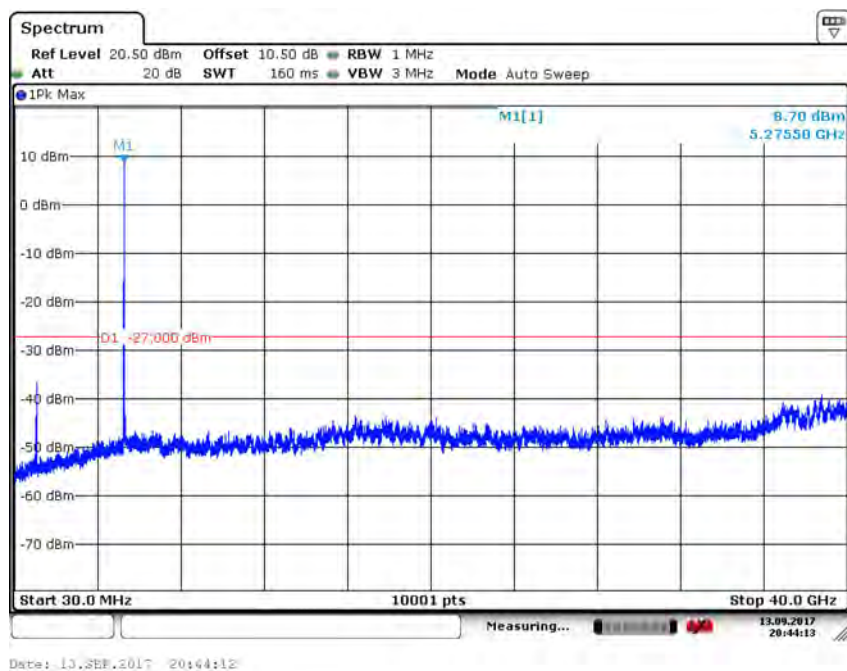
Carrier frequency (MHz): 5210
Test Mode: 802.11ac (HT80)

5250MHz~5350MHz

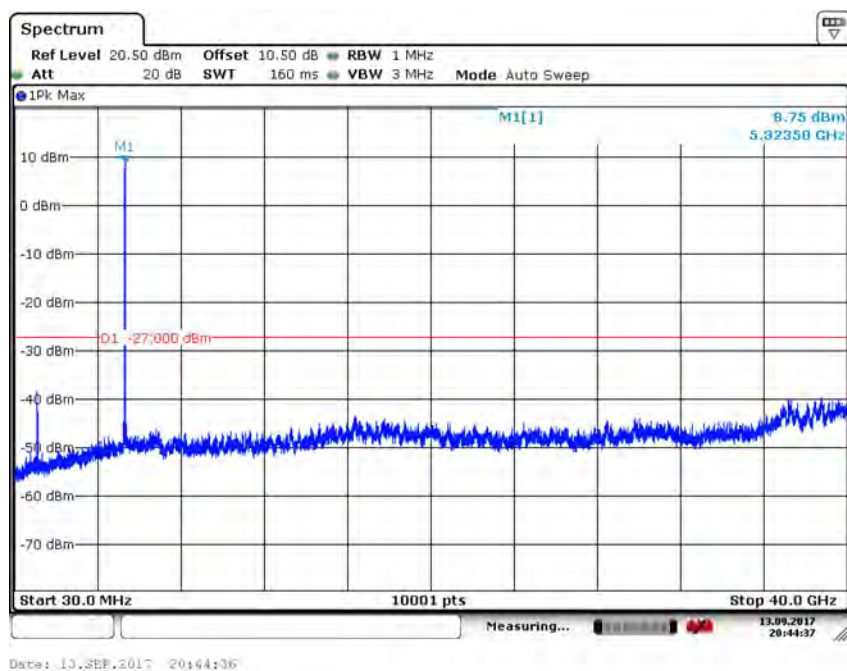
Test Mode: 802.11a



Carrier frequency (MHz): 5260
Test Mode: 802.11a

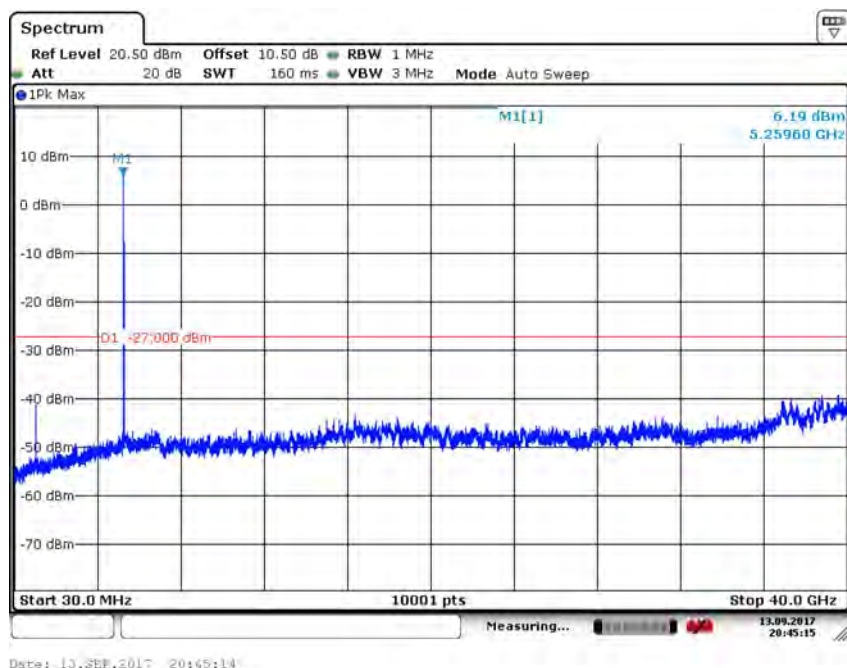


Carrier frequency (MHz): 5280
Test Mode: 802.11a

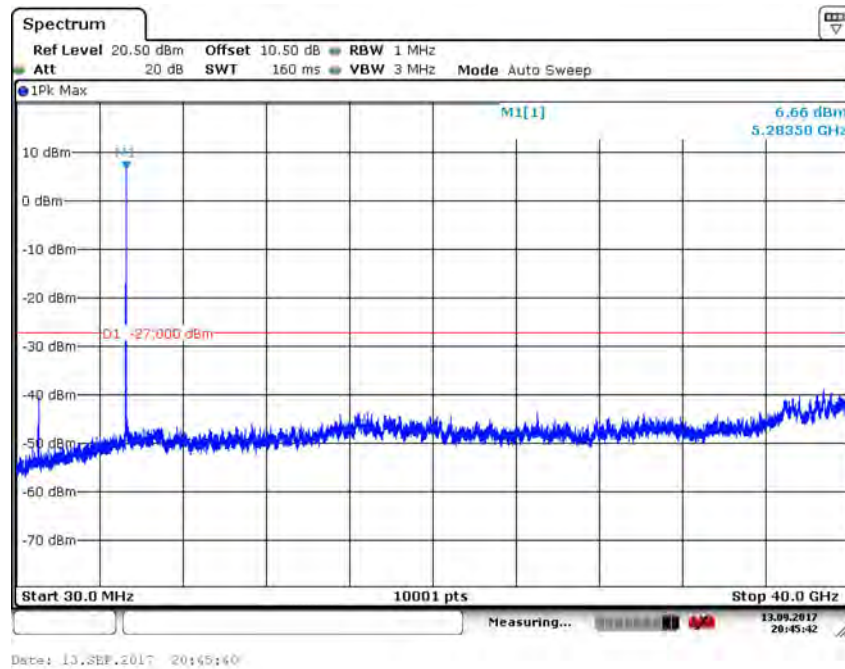


Carrier frequency (MHz): 5320
Test Mode: 802.11a

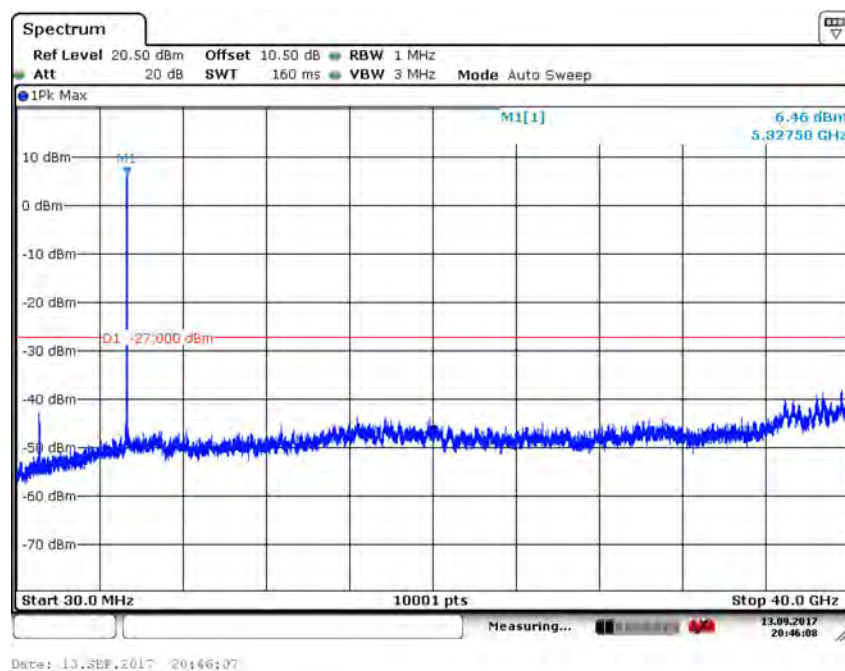
Test Mode: 802.11n (HT20)



Carrier frequency (MHz): 5260
Test Mode: 802.11n (HT20)

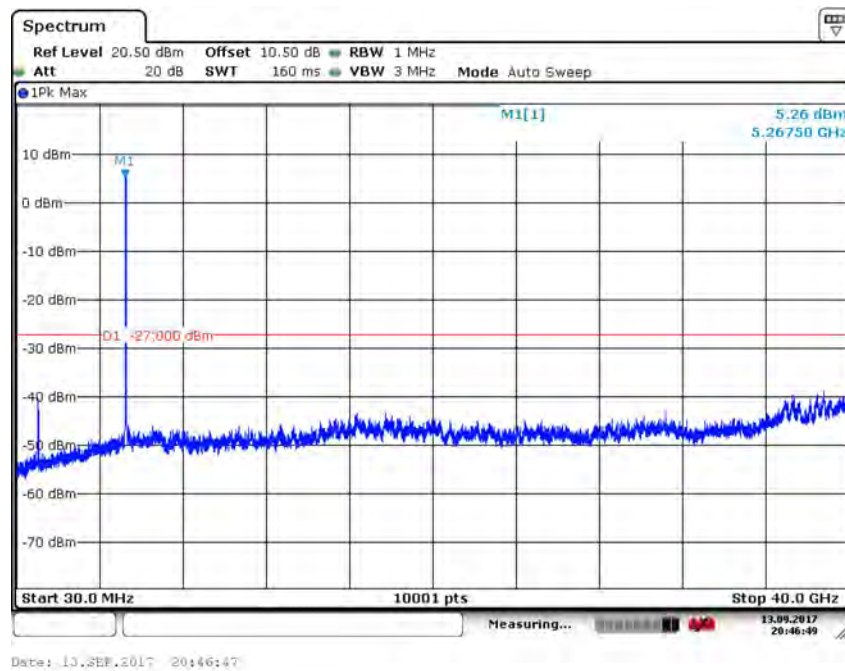


Carrier frequency (MHz): 5280
Test Mode: 802.11n (HT20)

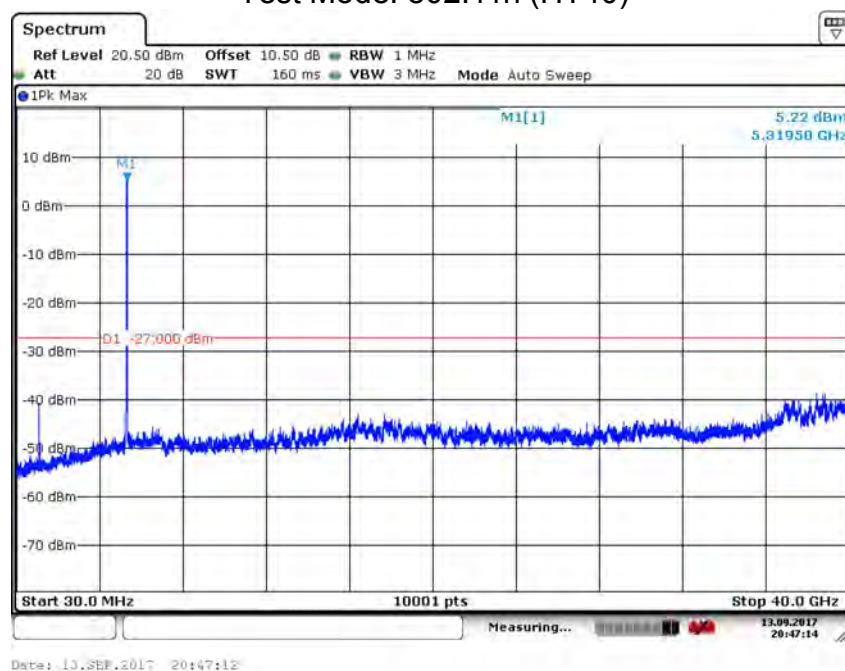


Carrier frequency (MHz): 5320
Test Mode: 802.11n (HT20)

Test Mode: 802.11n (HT40)

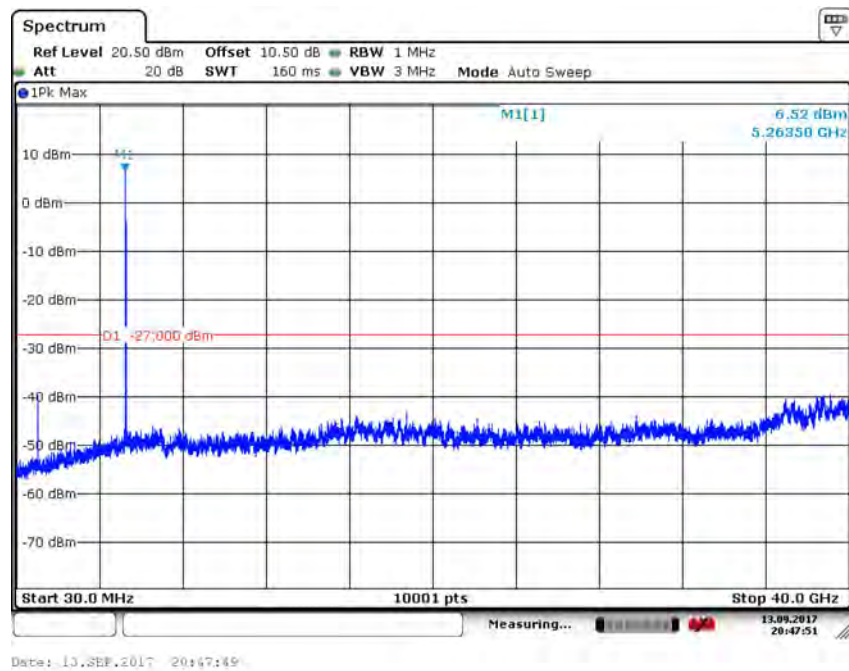


Carrier frequency (MHz): 5270
Test Mode: 802.11n (HT40)



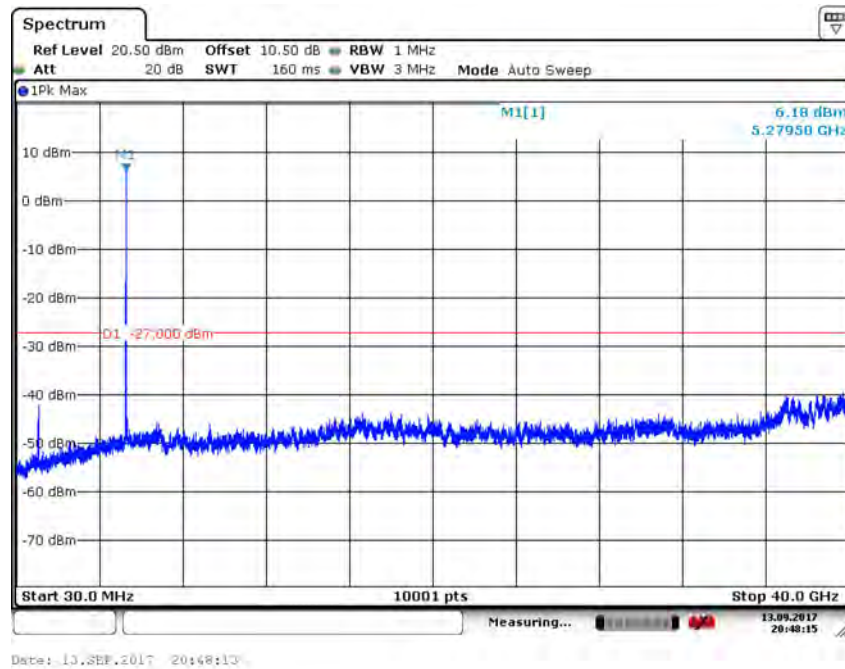
Carrier frequency (MHz): 5310
Test Mode: 802.11n (HT40)

Test Mode: 802.11ac (HT20)

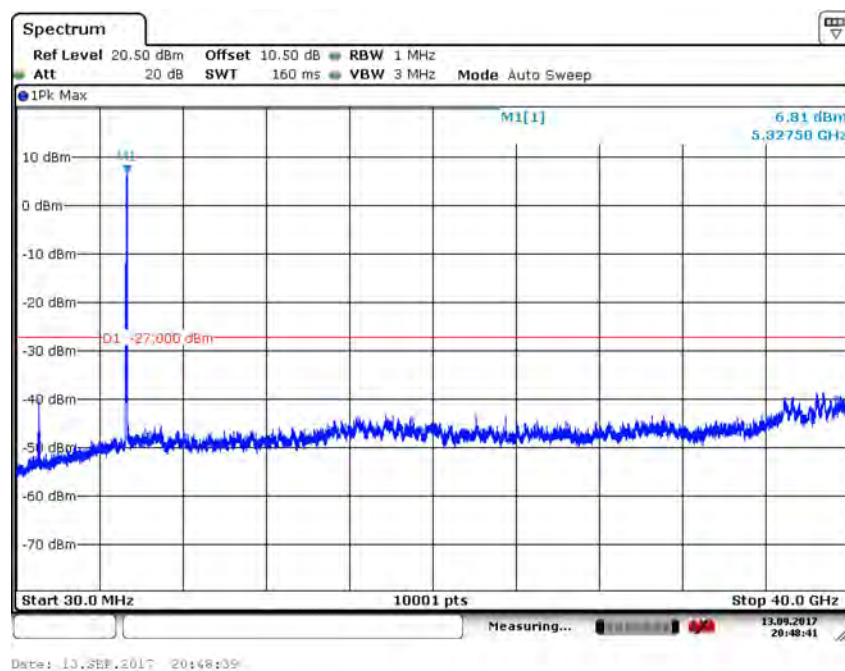


Carrier frequency (MHz): 5260

Test Mode: 802.11ac (HT20)

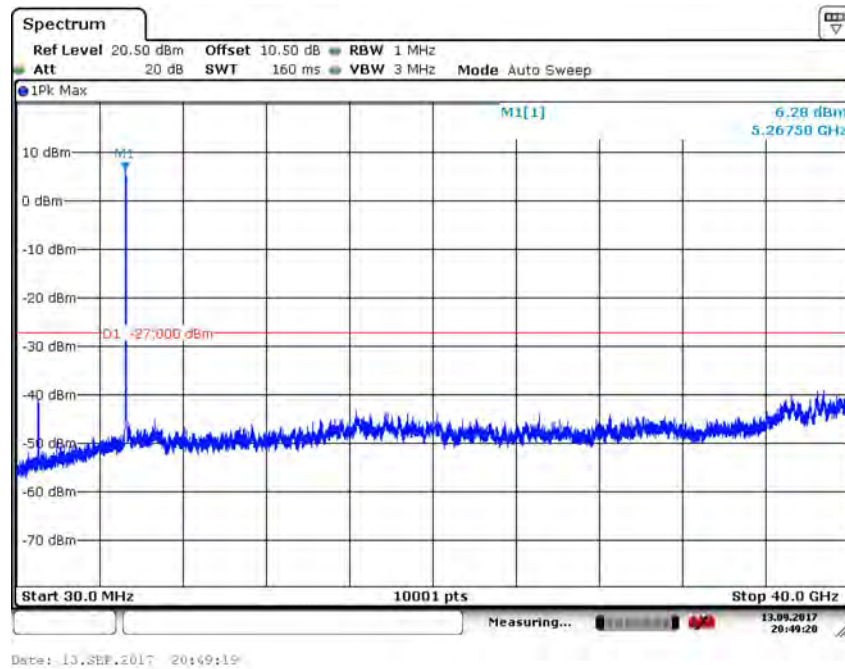


Carrier frequency (MHz): 5280
Test Mode: 802.11ac (HT20)



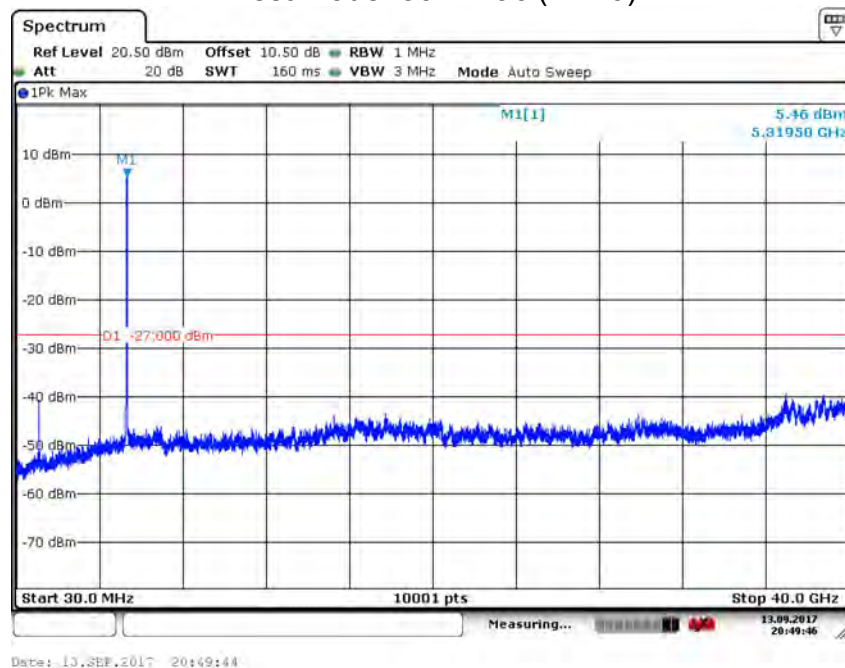
Carrier frequency (MHz): 5320
Test Mode: 802.11ac (HT20)

Test Mode: 802.11ac (HT40)



Carrier frequency (MHz): 5270

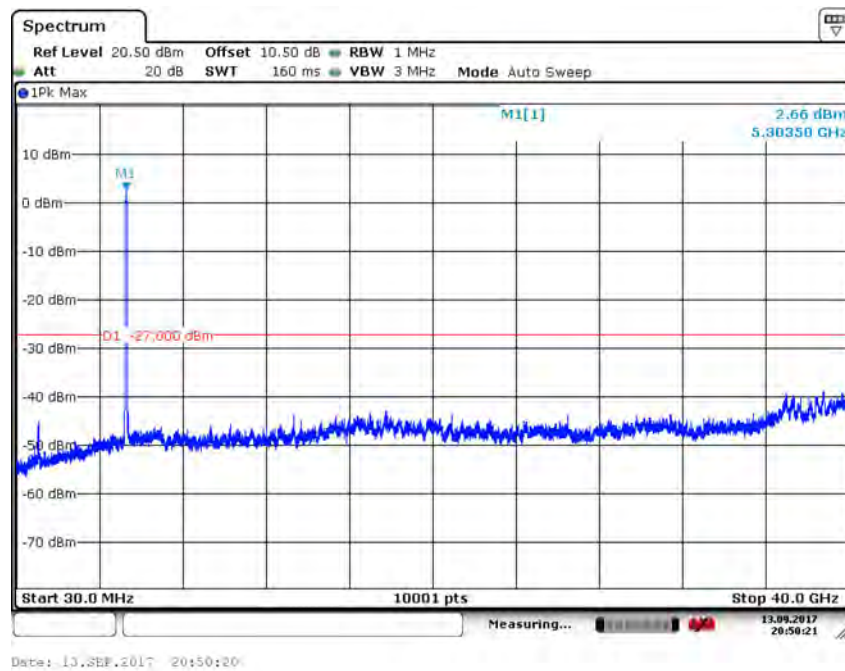
Test Mode: 802.11ac (HT40)



Carrier frequency (MHz): 5310

Test Mode: 802.11ac (HT40)

Test Mode: 802.11ac (HT80)

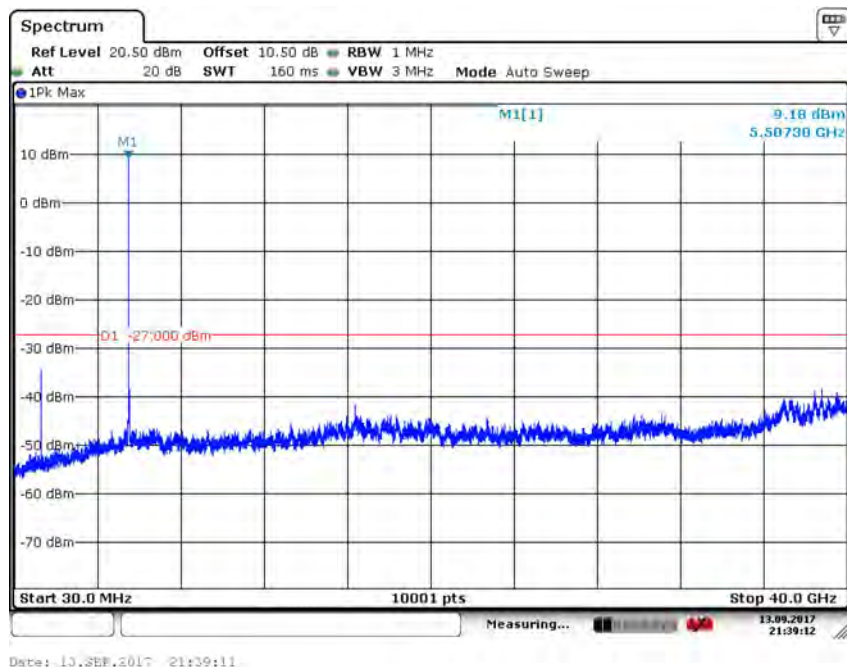


Carrier frequency (MHz): 5290

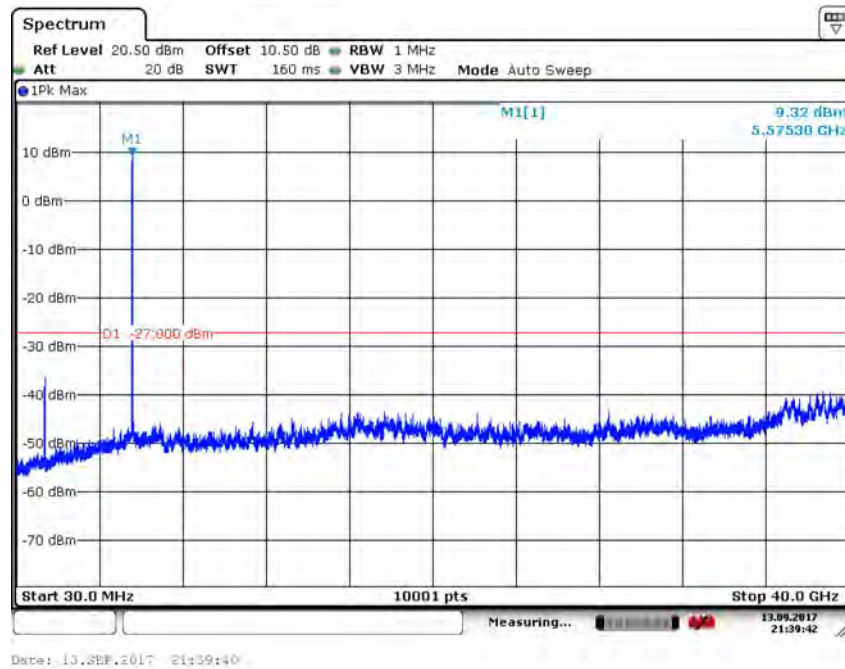
Test Mode: 802.11ac (HT80)

5470MHz~5725MHz

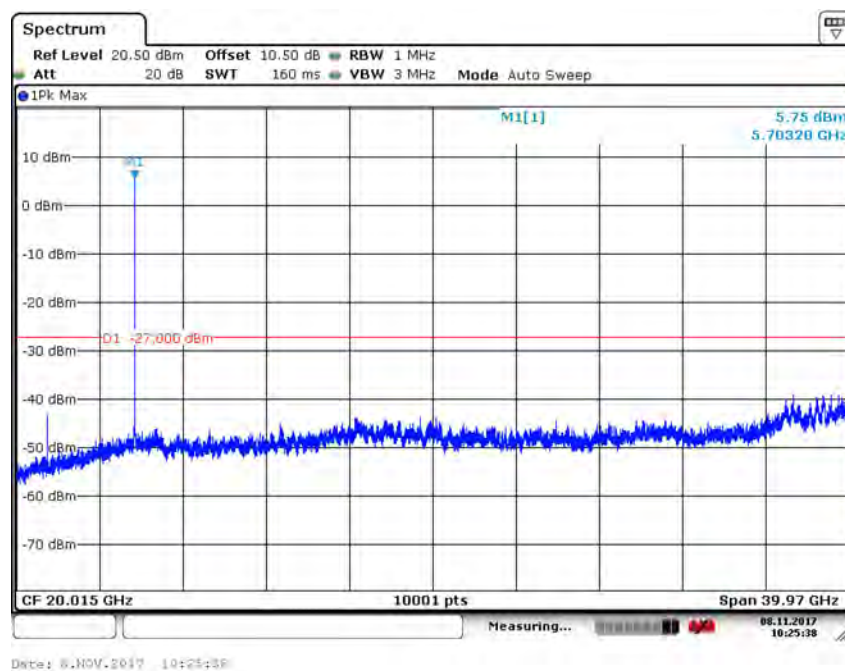
Test Mode: 802.11a



Carrier frequency (MHz): 5500
Test Mode: 802.11a

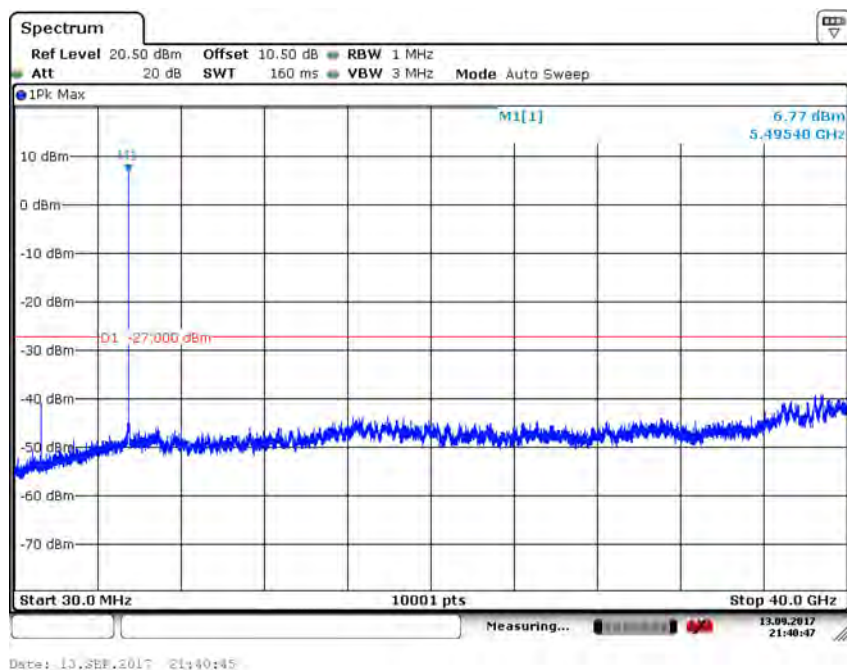


Carrier frequency (MHz): 5580
Test Mode: 802.11a

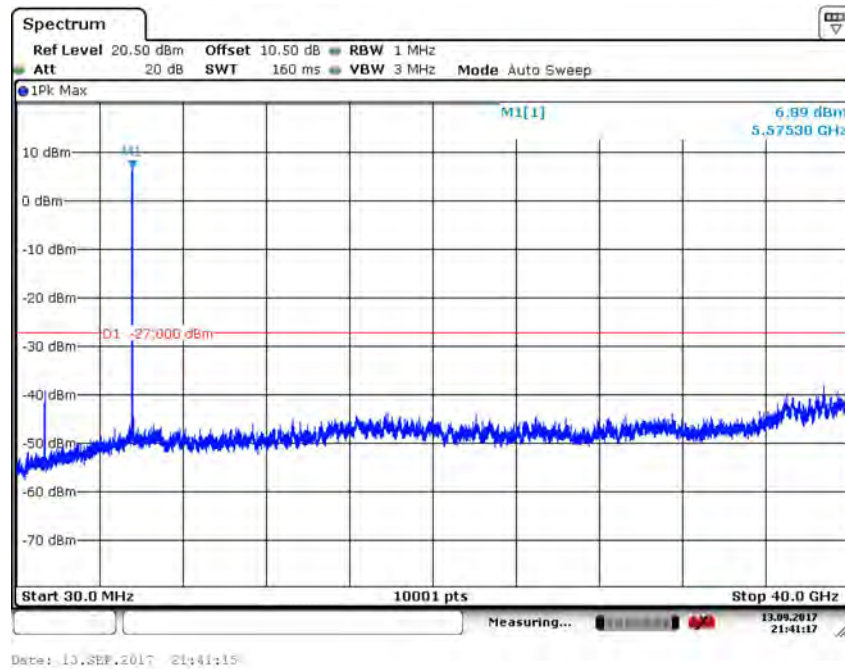


Carrier frequency (MHz): 5700
Test Mode: 802.11a

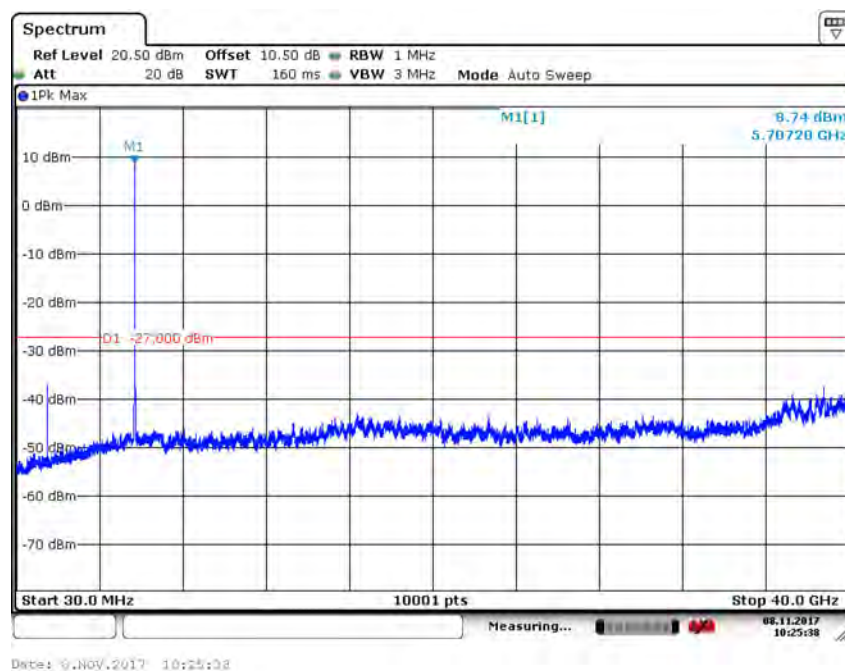
Test Mode: 802.11n (HT20)



Carrier frequency (MHz): 5500
Test Mode: 802.11n (HT20)

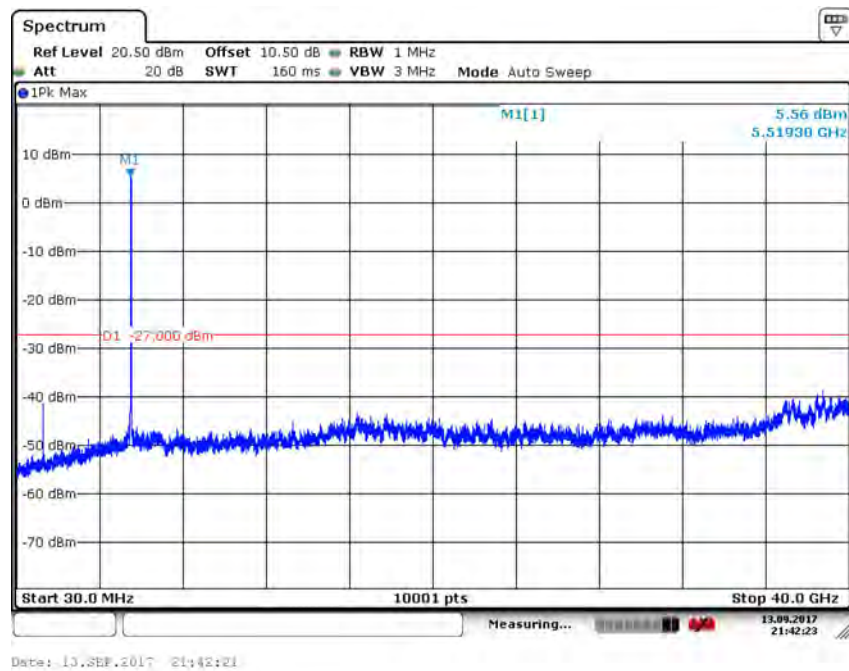


Carrier frequency (MHz): 5580
Test Mode: 802.11n (HT20)



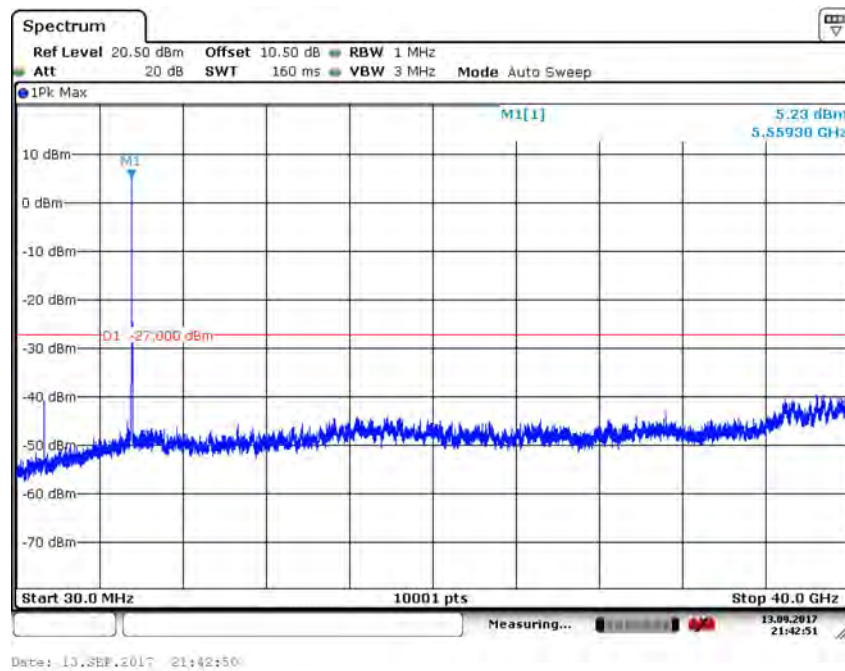
Carrier frequency (MHz): 5700
Test Mode: 802.11n (HT20)

Test Mode: 802.11n (HT40)

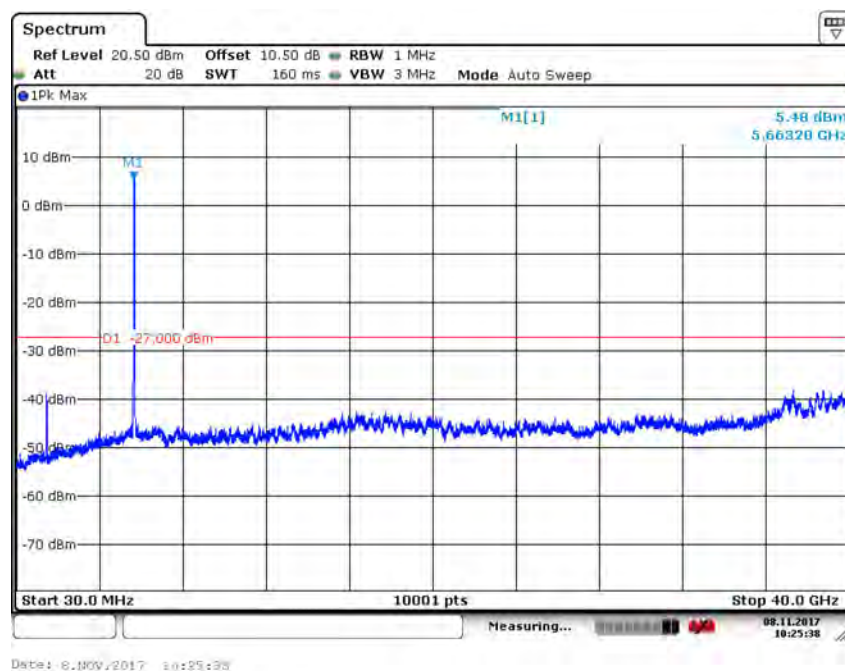


Carrier frequency (MHz): 5510

Test Mode: 802.11n (HT40)

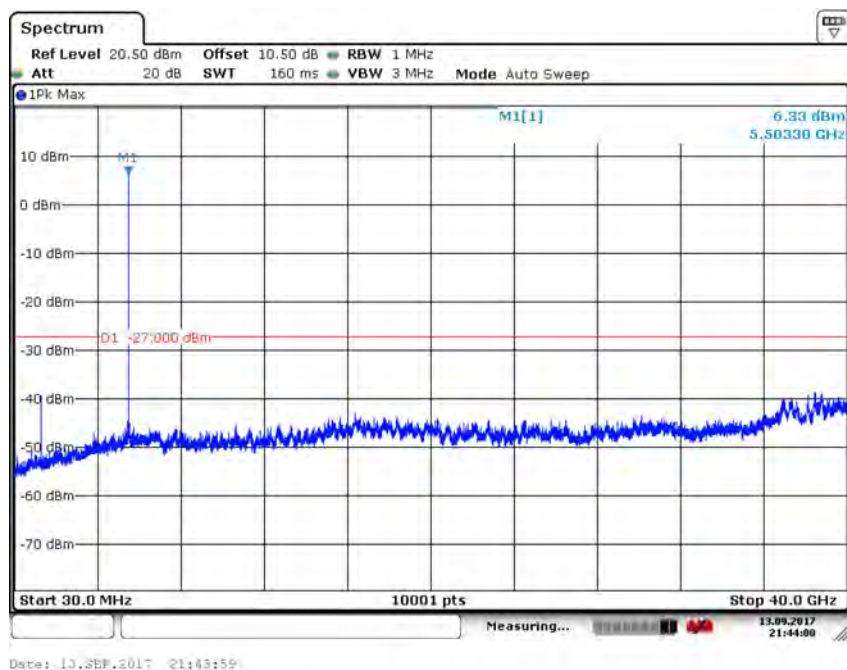


Carrier frequency (MHz): 5550
Test Mode: 802.11n (HT40)

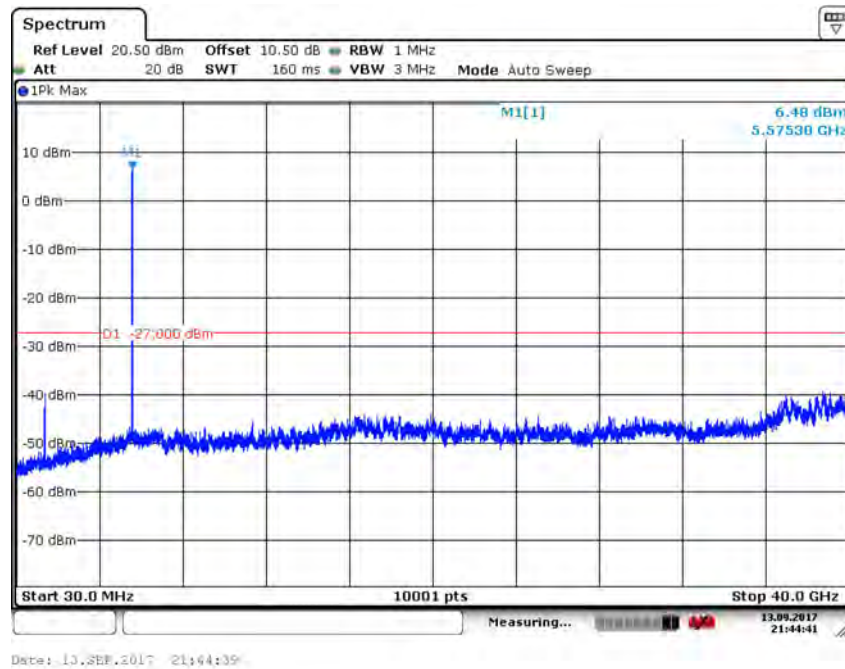


Carrier frequency (MHz): 5670
Test Mode: 802.11n (HT40)

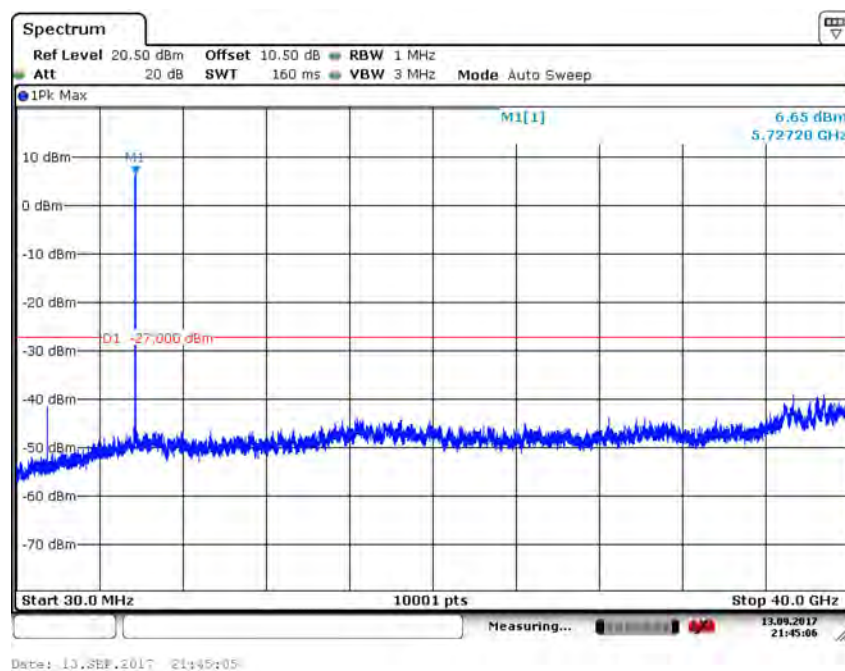
Test Mode: 802.11ac (HT20)



Carrier frequency (MHz): 5500
Test Mode: 802.11ac (HT20)

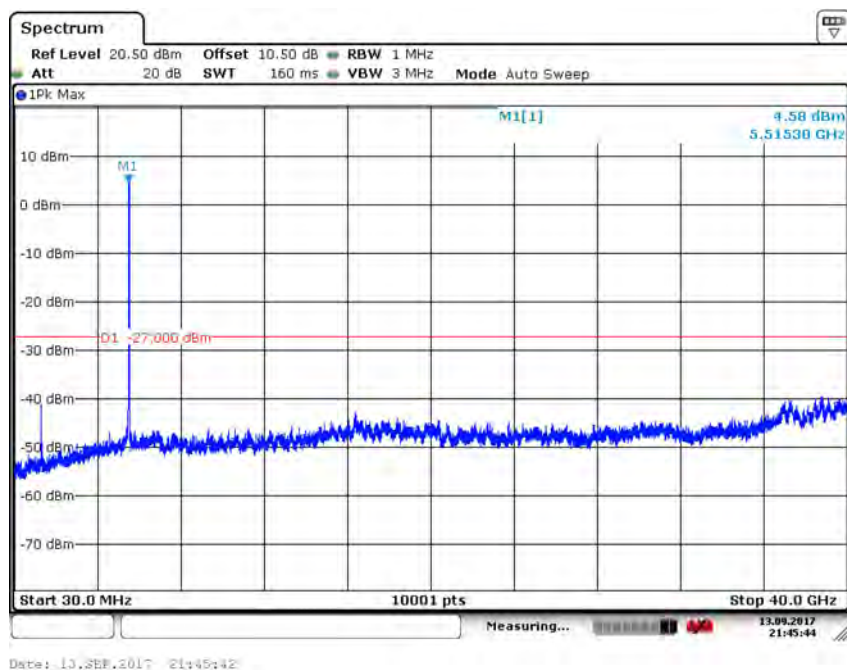


Carrier frequency (MHz): 5580
Test Mode: 802.11ac (HT20)

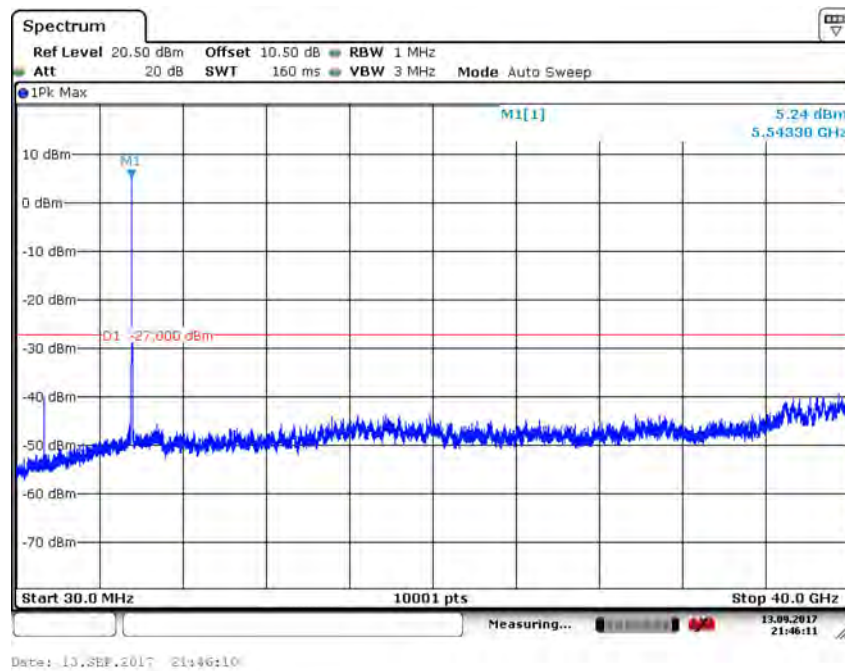


Carrier frequency (MHz): 5720
Test Mode: 802.11ac (HT20)

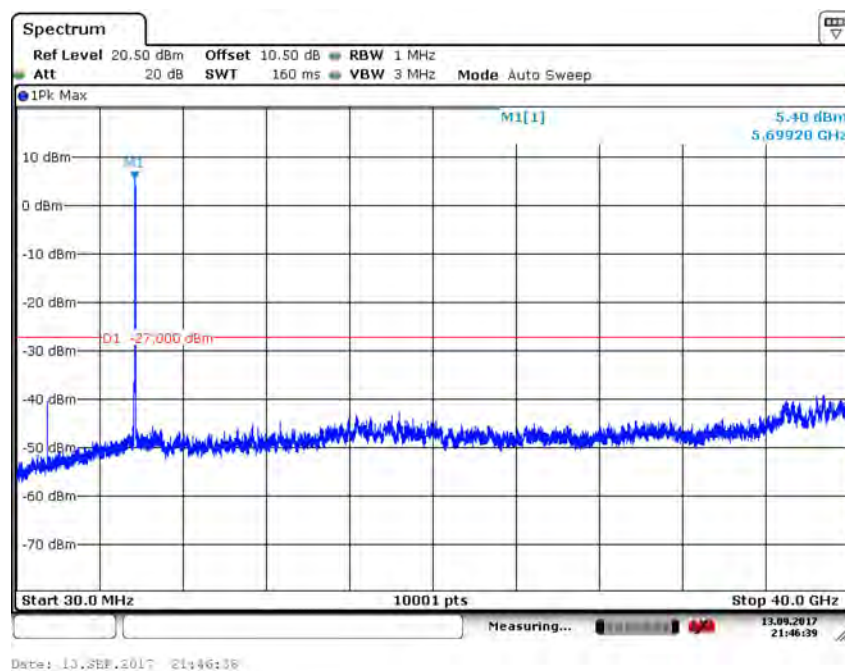
Test Mode: 802.11ac (HT40)



Carrier frequency (MHz): 5510
Test Mode: 802.11ac (HT40)

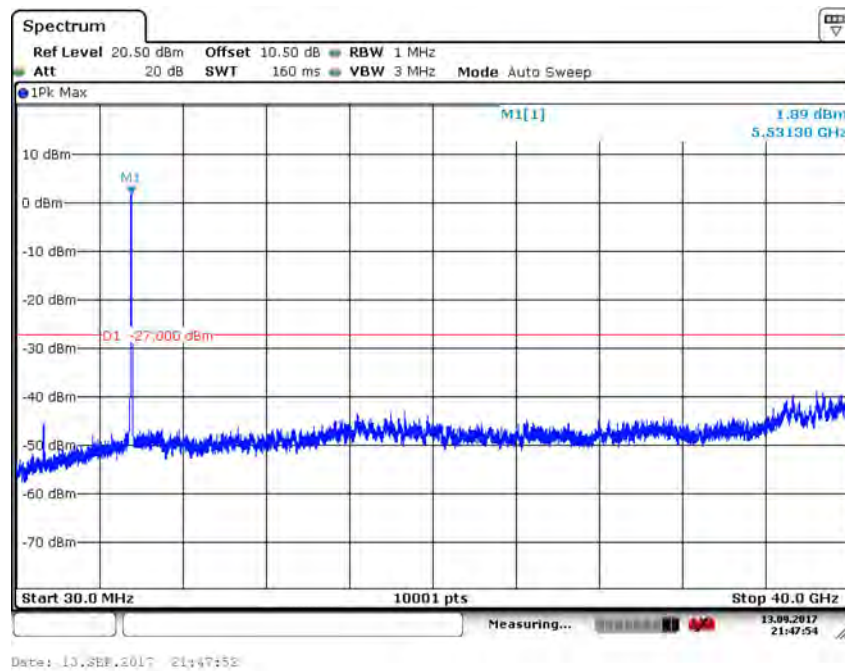


Carrier frequency (MHz): 5550
Test Mode: 802.11ac (HT40)

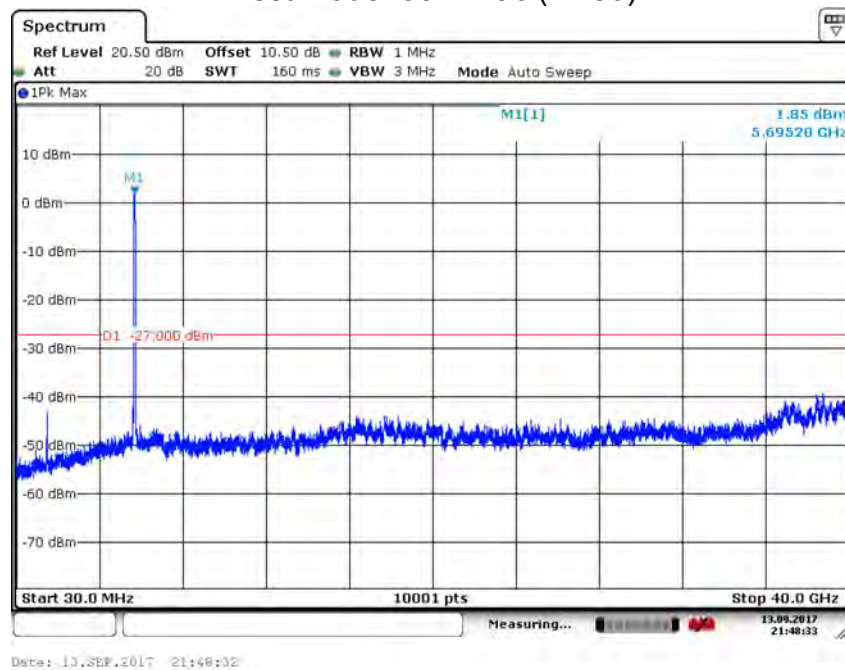


Carrier frequency (MHz): 5710
Test Mode: 802.11ac (HT40)

Test Mode: 802.11ac (HT80)



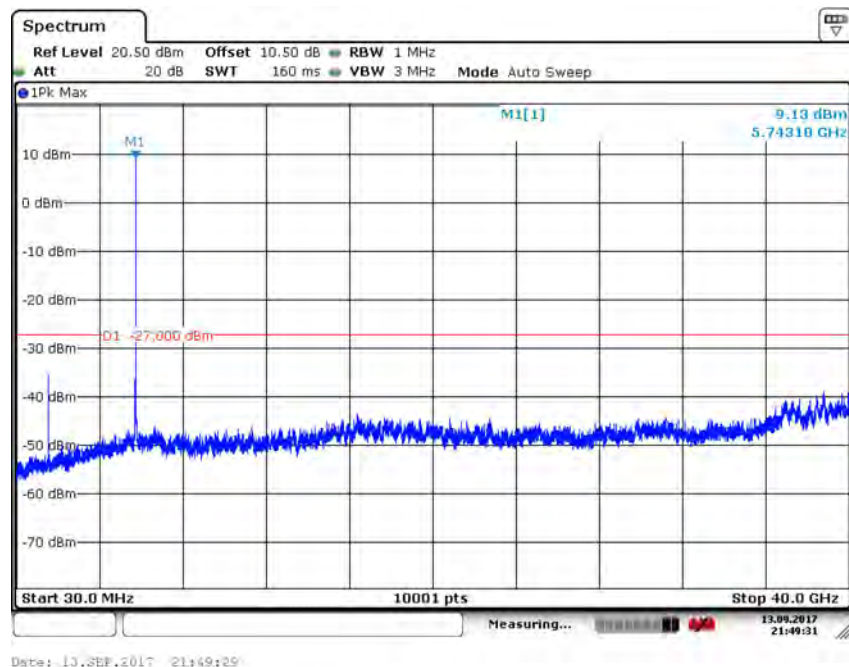
Carrier frequency (MHz): 5530
Test Mode: 802.11ac (HT80)



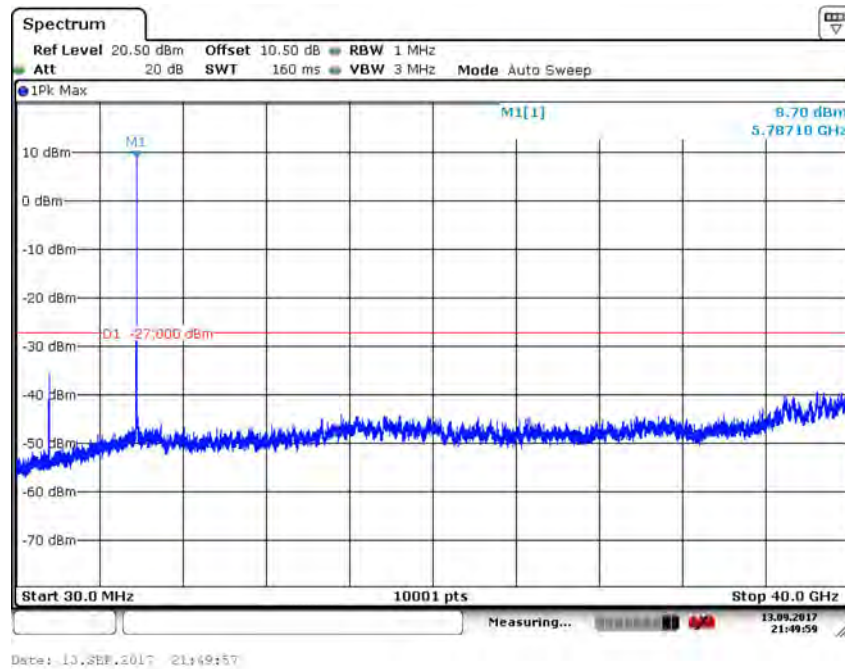
Carrier frequency (MHz): 5690
Test Mode: 802.11ac (HT80)

5725MHz~5825MHz

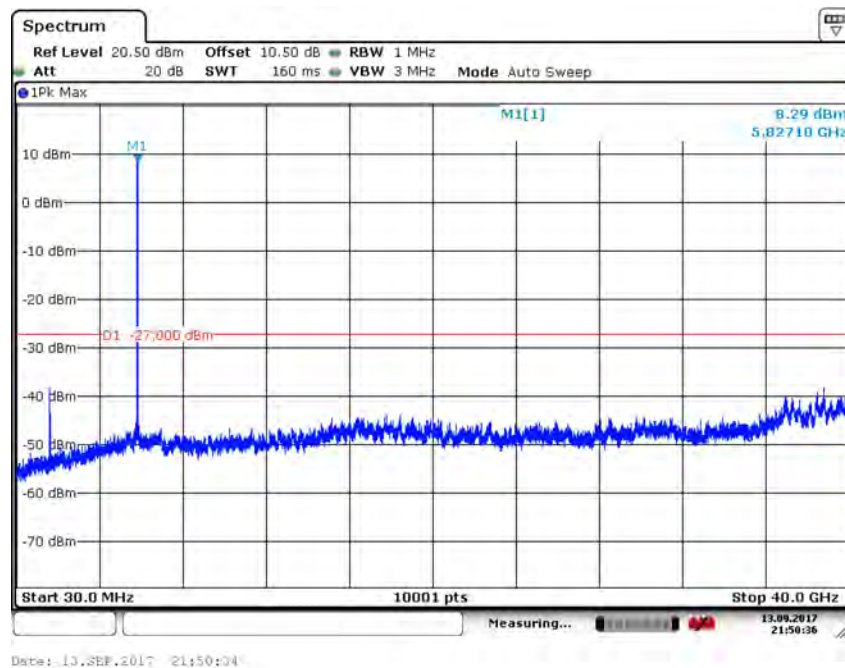
Test Mode: 802.11a



Carrier frequency (MHz): 5745
Test Mode: 802.11a

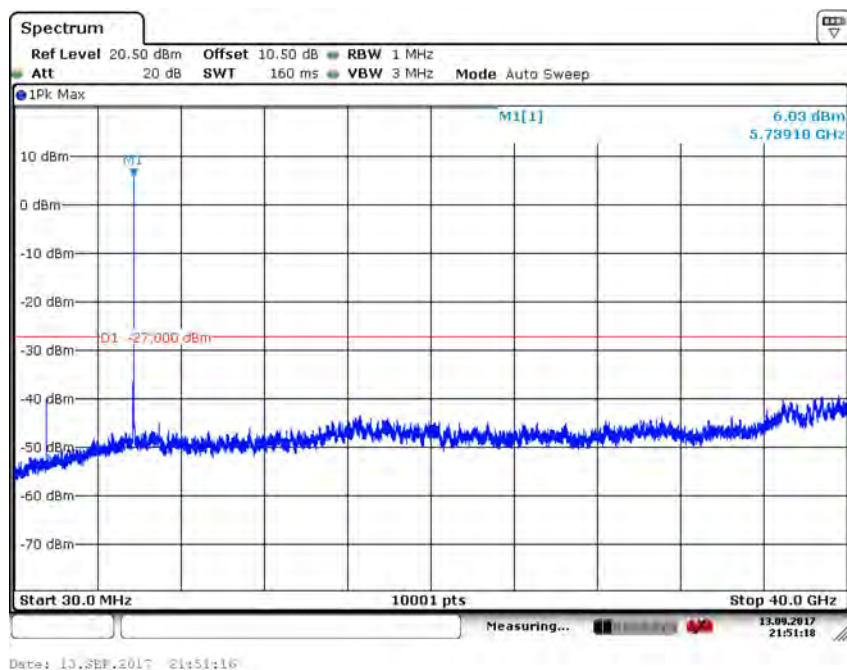


Carrier frequency (MHz): 5785
Test Mode: 802.11a

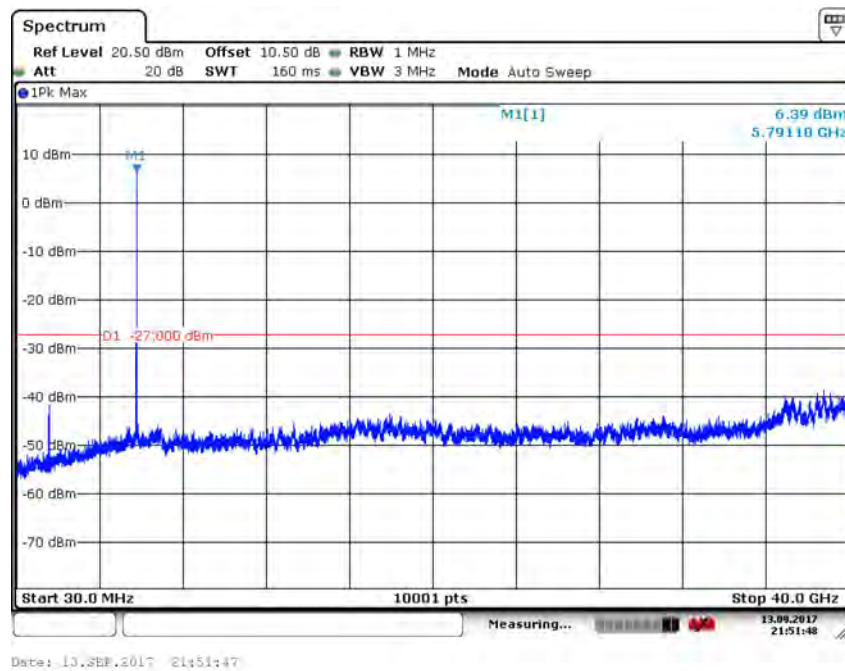


Carrier frequency (MHz): 5825
Test Mode: 802.11a

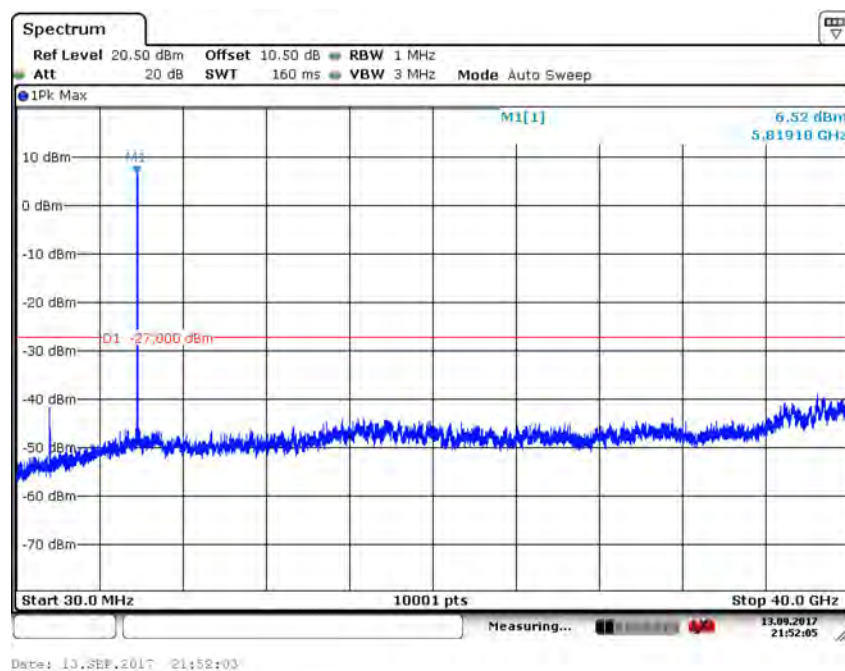
Test Mode: 802.11n (HT20)



Carrier frequency (MHz): 5745
Test Mode: 802.11n (HT20)

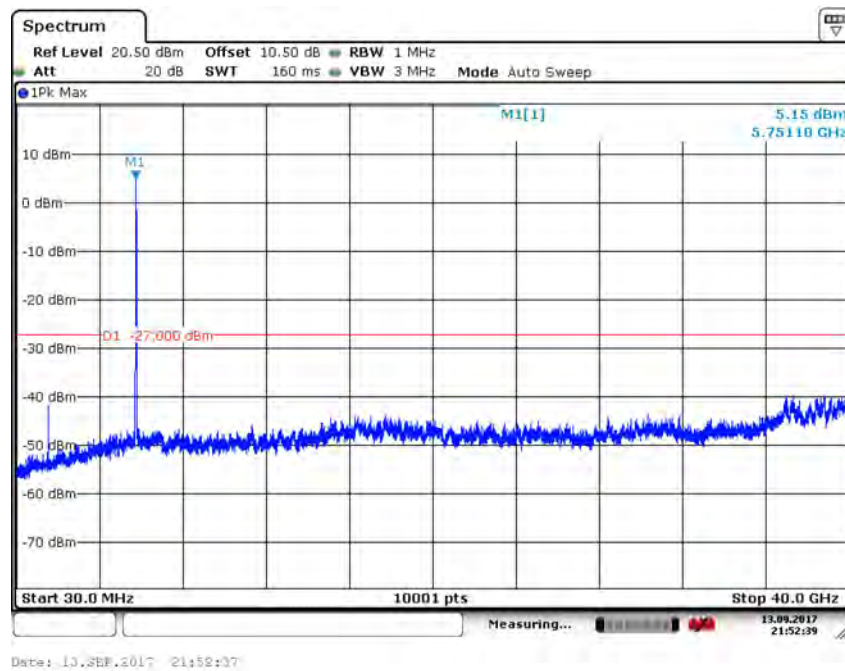


Carrier frequency (MHz): 5785
Test Mode: 802.11n (HT20)



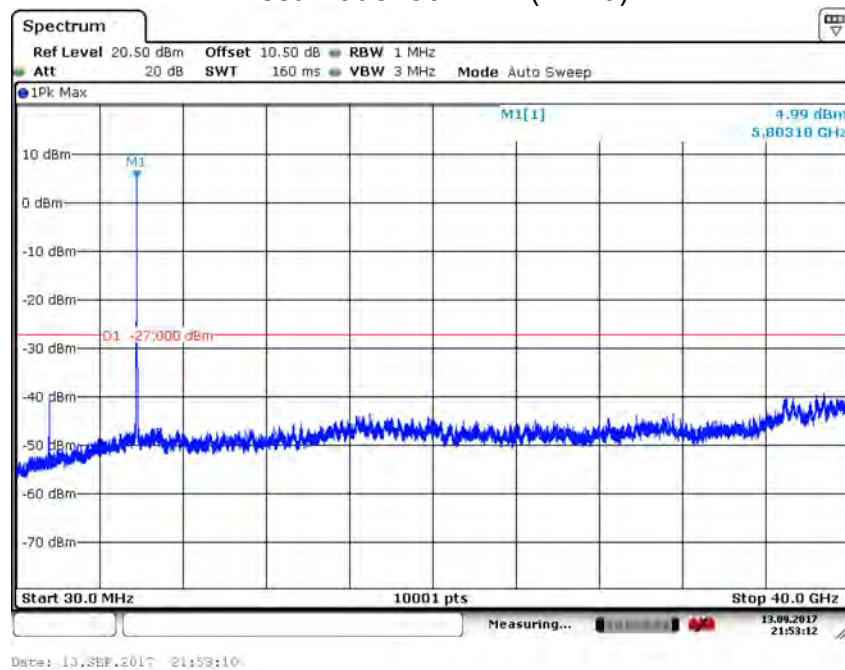
Carrier frequency (MHz): 5825
Test Mode: 802.11n (HT20)

Test Mode: 802.11n (HT40)



Carrier frequency (MHz): 5755

Test Mode: 802.11n (HT40)

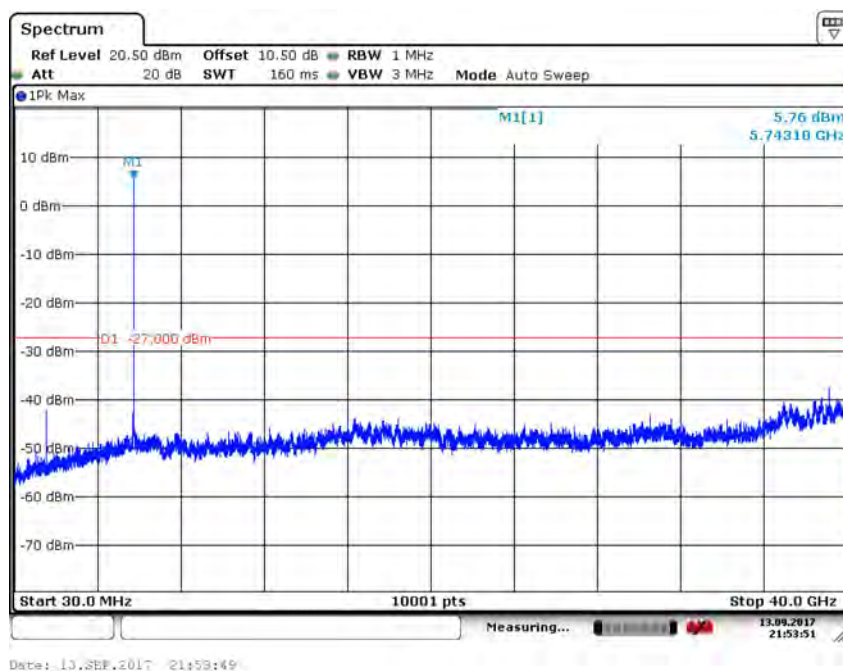


Carrier frequency (MHz): 5795

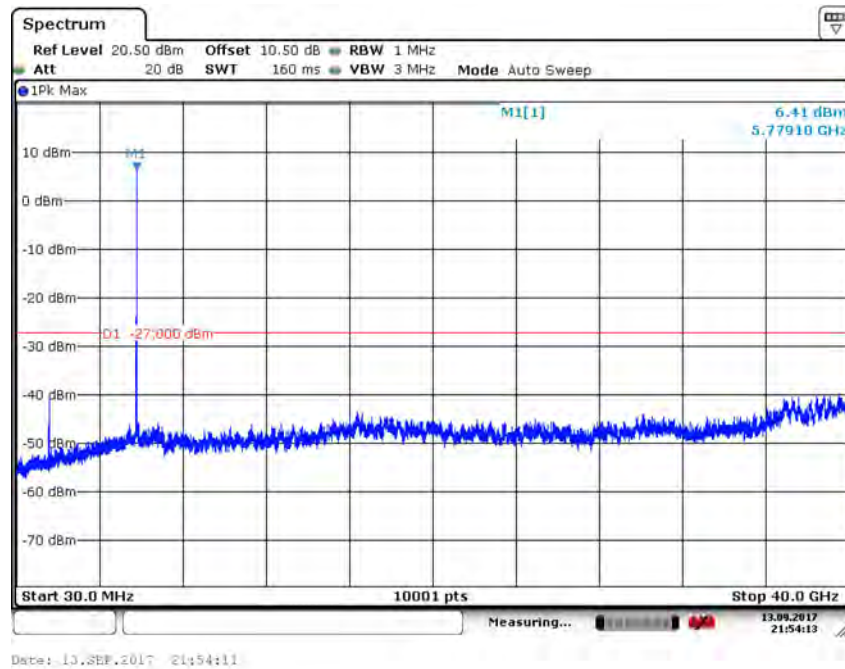
Test Mode: 802.11n (HT40)

Test Mode: 802.11ac (HT20)

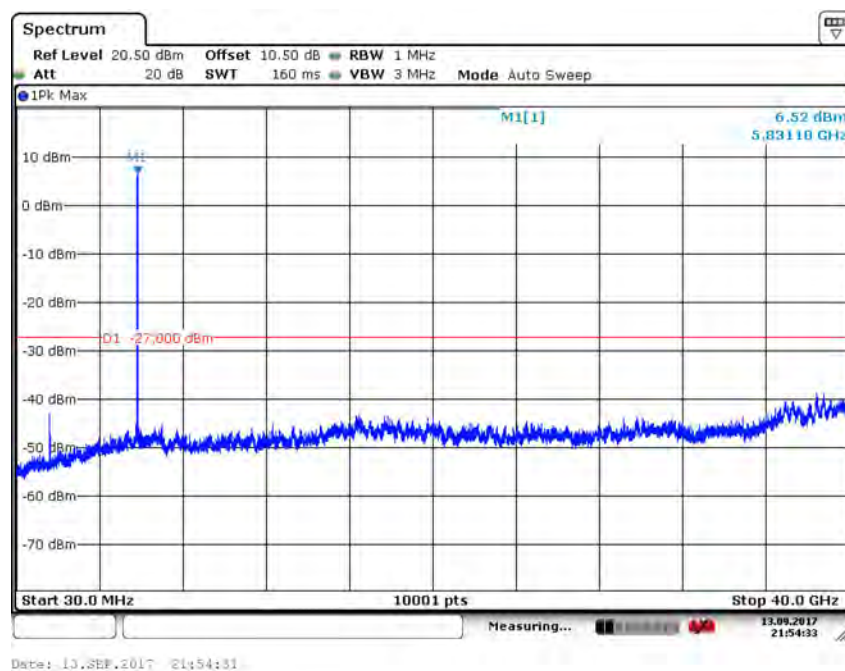
Carrier frequency (MHz)	Power Density (dBm)
5745	5.76
5785	6.41
5825	6.52



Carrier frequency (MHz): 5745
Test Mode: 802.11ac (HT20)

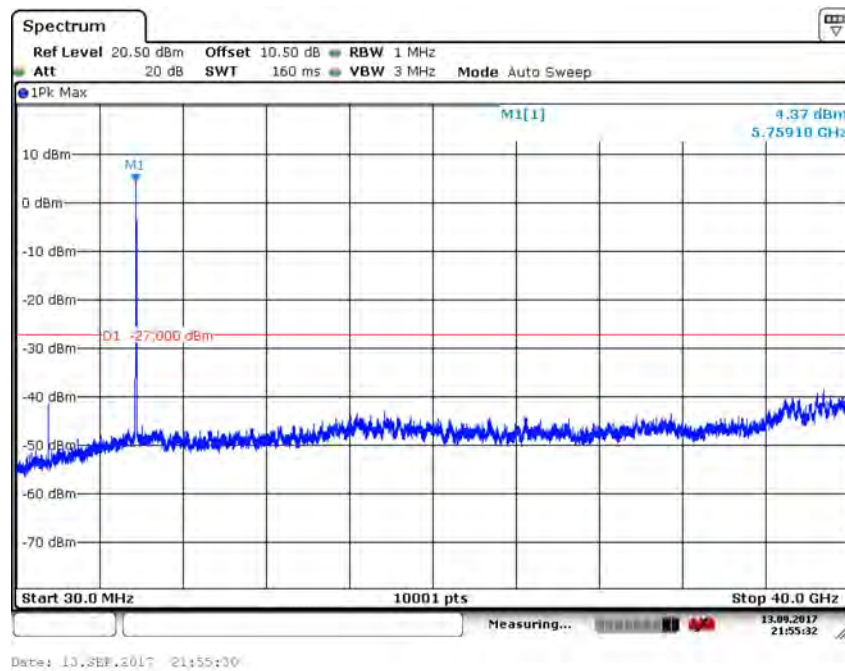


Carrier frequency (MHz): 5785
Test Mode: 802.11ac (HT20)



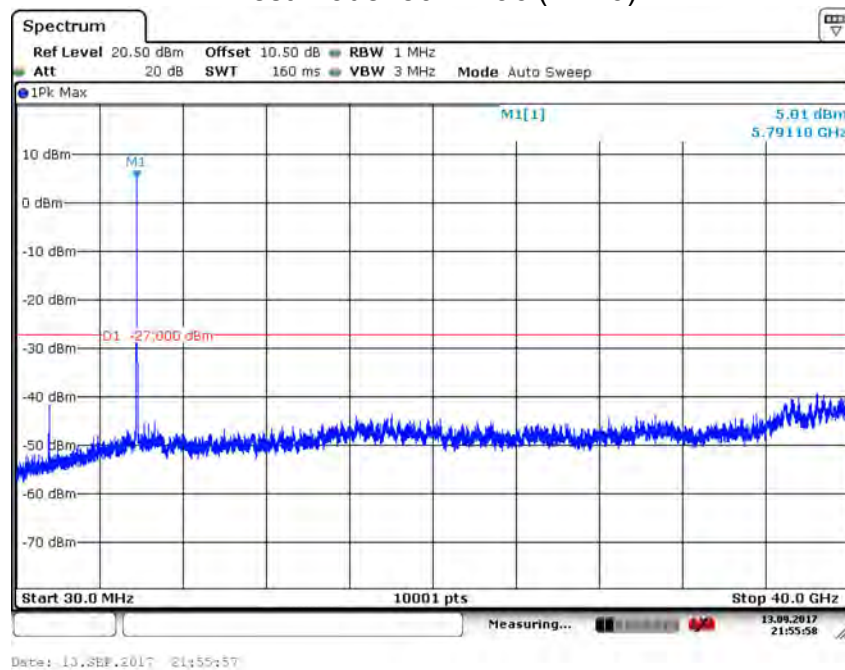
Carrier frequency (MHz): 5825
Test Mode: 802.11ac (HT20)

Test Mode: 802.11ac (HT40)



Carrier frequency (MHz): 5755

Test Mode: 802.11ac (HT40)

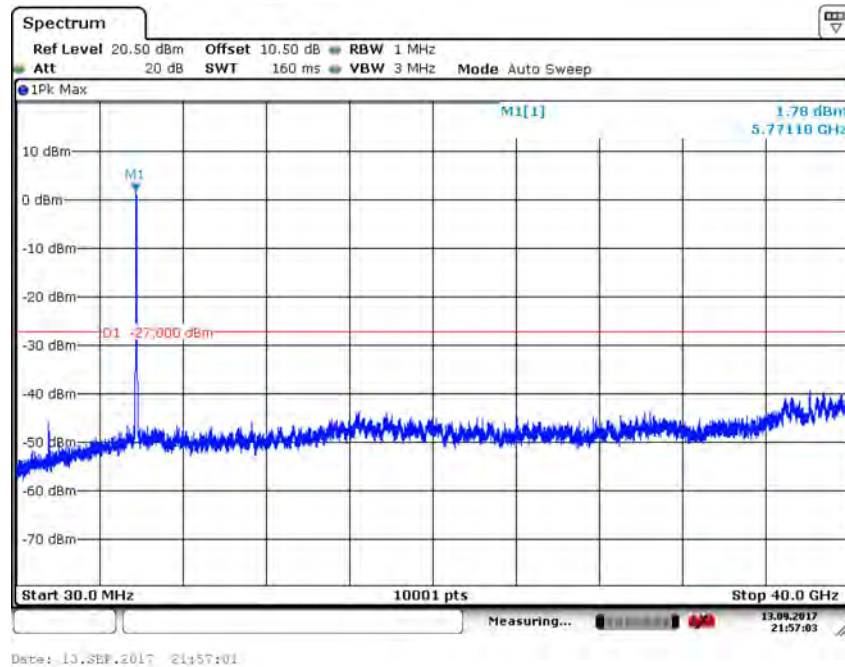


Carrier frequency (MHz): 5795

Test Mode: 802.11ac (HT40)

Test Mode: 802.11ac (HT80)

Carrier frequency (MHz)	Power Density (dBm)
5775	1.78



Carrier frequency (MHz): 5775
Test Mode: 802.11ac (HT80)

Frequency Stability (15.407 (g))

5150-5250MHz

802.11a:

Temperature(°C)	Test Result (ppm)@NV		
	5180 MHz	5200 MHz	5240MHz
0	1.742	2.188	0.834
+10	2.129	1.430	2.790
+20	1.026	2.025	2.416
+30	1.292	1.538	1.450
+40	2.482	1.685	1.627
+45	1.423	1.875	1.749
Voltage	Test Result (ppm)@NT		
	5180 MHz	5200 MHz	5240MHz
LV	2.798	1.641	1.263
HV	1.119	1.650	2.540

802.11n (HT20):

Temperature(°C)	Test Result (ppm)@NV		
	5180 MHz	5200 MHz	5240MHz
0	1.429	0.676	0.929
+10	0.916	0.736	1.148
+20	2.671	1.634	1.431
+30	1.121	0.860	2.524
+40	1.985	1.348	2.598
+45	1.697	0.935	1.929
Voltage	Test Result (ppm)@NT		
	5180 MHz	5200 MHz	5240MHz
LV	1.060	0.824	1.051
HV	1.928	2.822	1.173

802.11n (HT40):

Temperature(°C)	Test Result (ppm)@NV	
	5190 MHz	5230 MHz
0	1.319	0.853
+10	1.474	1.350
+20	0.643	1.162
+30	2.228	1.422
+40	1.240	1.179
+45	2.374	1.099
Voltage	Test Result (ppm)@NT	
	5190 MHz	5230 MHz
LV	2.607	2.250
HV	2.552	2.979

802.11ac (HT 20):

Temperature(°C)	Test Result (ppm)@NV		
	5180 MHz	5200 MHz	5240MHz
0	2.679	2.556	0.808
+10	0.693	1.310	0.916
+20	1.726	1.538	2.999
+30	2.219	2.696	1.476
+40	2.842	2.430	1.362
+45	0.841	1.095	2.976
Voltage	Test Result (ppm)@NT		
	5180 MHz	5200 MHz	5240MHz
LV	2.666	2.174	1.130
HV	2.259	2.501	2.778

802.11ac (HT 40):

Temperature(°C)	Test Result (ppm)@NV	
	5190 MHz	5230 MHz
0	2.613	0.871
+10	1.703	2.315
+20	1.606	1.612
+30	0.657	1.525
+40	1.898	2.621
+45	1.619	2.260
Voltage	Test Result (ppm)@NT	
	5190 MHz	5230 MHz
LV	2.806	2.692
HV	2.166	2.803

802.11ac (HT 80):

Temperature(°C)	Test Result (ppm)@NV	
	5210 MHz	
0	1.678	
+10	1.811	
+20	2.509	
+30	2.810	
+40	1.450	
+45	2.478	
Voltage	Test Result (ppm)@NT	
	5210 MHz	
LV	1.648	
HV	2.472	

5250-5350MHz

802.11a:

Temperature(°C)	Test Result (ppm)@NV		
	5260 MHz	5280 MHz	5320MHz
0	2.486	1.499	2.989
+10	2.058	1.340	1.306
+20	1.646	2.763	2.904
+30	2.395	1.609	1.242
+40	1.792	1.207	0.845
+45	1.330	1.693	1.202
Voltage	Test Result (ppm)@NT		
	5260 MHz	5280 MHz	5320MHz
LV	2.651	1.322	2.631
HV	1.132	1.009	0.647

802.11n (HT20):

Temperature(°C)	Test Result (ppm)@NV		
	5260 MHz	5280 MHz	5320MHz
0	1.733	2.084	1.598
+10	2.842	2.535	0.761
+20	1.672	1.442	2.217
+30	2.579	2.024	2.694
+40	2.023	2.525	2.602
+45	1.087	2.248	2.347
Voltage	Test Result (ppm)@NT		
	5260 MHz	5280 MHz	5320MHz
LV	1.899	2.089	2.825
HV	2.037	1.654	2.416

802.11n (HT40):

Temperature(°C)	Test Result (ppm)@NV	
	5270 MHz	5310 MHz
0	2.591	1.617
+10	0.766	1.435
+20	1.142	0.871
+30	0.774	1.606
+40	1.535	2.312
+45	1.993	2.434
Voltage	Test Result (ppm)@NT	
	5270 MHz	5310 MHz
LV	2.490	1.588
HV	1.389	1.487

802.11ac (HT 20):

Temperature(°C)	Test Result (ppm)@NV		
	5260 MHz	5280 MHz	5320MHz
0	0.910	2.897	2.225
+10	1.768	1.470	1.422
+20	1.695	0.803	2.041
+30	1.894	2.734	1.534
+40	1.761	2.934	0.747
+45	1.670	1.401	0.664
Voltage	Test Result (ppm)@NT		
	5260 MHz	5280 MHz	5320MHz
LV	2.659	2.761	0.882
HV	1.253	0.809	1.341

802.11ac (HT 40):

Temperature(°C)	Test Result (ppm)@NV	
	5270 MHz	5310 MHz
0	1.548	2.473
+10	1.602	2.653
+20	1.986	2.817
+30	1.693	1.218
+40	2.289	1.513
+45	1.301	2.751
Voltage	Test Result (ppm)@NT	
	5270 MHz	5310 MHz
LV	2.676	2.533
HV	0.783	0.811

802.11ac (HT 80):

Temperature(°C)	Test Result (ppm)@NV	
	5290 MHz	
0	2.765	
+10	1.216	
+20	2.988	
+30	2.297	
+40	2.948	
+45	1.998	
Voltage	Test Result (ppm)@NT	
	5290 MHz	
LV	2.443	
HV	2.298	

5470-5725MHz

802.11a:

Temperature(°C)	Test Result (ppm)@NV		
	5500 MHz	5580 MHz	5700MHz
0	2.686	0.940	0.994
+10	2.594	2.369	2.980
+20	2.101	1.950	2.526
+30	1.287	0.829	2.814
+40	1.356	1.566	1.878
+45	1.344	1.233	1.427
Voltage	Test Result (ppm)@NT		
	5500 MHz	5580 MHz	5700MHz
LV	2.656	0.893	2.398
HV	2.121	1.530	2.796

802.11n (HT20):

Temperature(°C)	Test Result (ppm)@NV		
	5500 MHz	5580 MHz	5700MHz
0	2.934	2.155	2.628
+10	2.473	0.929	1.492
+20	1.403	0.796	1.558
+30	1.630	1.952	2.983
+40	2.545	1.828	0.784
+45	2.073	1.888	2.271
Voltage	Test Result (ppm)@NT		
	5500 MHz	5580 MHz	5700MHz
LV	1.545	1.071	2.868
HV	1.212	0.999	2.570

802.11n (HT40):

Temperature(°C)	Test Result (ppm)@NV		
	5510 MHz	5550MHz	5670 MHz
0	1.780	2.824	1.079
+10	1.472	1.944	2.034
+20	1.427	2.803	1.480
+30	0.941	0.752	2.687
+40	2.849	2.135	1.604
+45	2.410	1.003	2.565
Voltage	Test Result (ppm)@NT		
	5510 MHz	5550MHz	5670 MHz
LV	1.313	2.125	2.565
HV	1.539	2.685	1.920

802.11ac (HT 20):

Temperature(°C)	Test Result (ppm)@NV		
	5550 MHz	5580 MHz	5720MHz
0	2.701	1.144	2.622
+10	2.701	2.008	0.923
+20	0.774	2.620	1.842
+30	2.472	1.619	1.631
+40	2.311	2.077	0.665
+45	0.926	2.186	2.458
Voltage	Test Result (ppm)@NT		
	5550 MHz	5580 MHz	5720MHz
LV	2.539	1.658	2.706
HV	0.938	1.669	1.454

802.11ac (HT 40):

Temperature(°C)	Test Result (ppm)@NV		
	5510 MHz	5550MHz	5710 MHz
0	2.619	0.666	1.570
+10	1.680	1.502	2.909
+20	1.755	2.829	2.546
+30	1.373	1.342	1.738
+40	2.805	2.100	2.598
+45	2.561	2.067	2.343
Voltage	Test Result (ppm)@NT		
	5510 MHz	5550MHz	5710 MHz
LV	1.214	2.615	2.931
HV	2.147	1.448	1.360

802.11ac (HT 80):

Temperature(°C)	Test Result (ppm)@NV	
	5530 MHz	5690MHz
0	1.952	2.457
+10	1.428	2.175
+20	1.400	2.065
+30	1.521	0.917
+40	2.659	2.786
+45	2.666	1.615
Voltage	Test Result (ppm)@NT	
	5530 MHz	5690MHz
LV	2.699	2.501
HV	1.540	2.597

5725-5850MHz

802.11a:

Temperature(°C)	Test Result (ppm)@NV		
	5745 MHz	5785 MHz	5825MHz
0	2.568	1.325	1.589
+10	0.810	2.554	0.652
+20	2.212	1.495	2.264
+30	0.725	2.996	0.998
+40	1.889	2.030	1.861
+45	1.746	1.552	2.688
Voltage	Test Result (ppm)@NT		
	5745 MHz	5785 MHz	5825MHz
LV	0.680	2.599	0.903
HV	2.689	1.299	2.668

802.11n (HT20):

Temperature(°C)	Test Result (ppm)@NV		
	5745 MHz	5785 MHz	5825MHz
0	0.936	1.411	2.165
+10	2.145	2.505	1.682
+20	2.725	2.846	1.202
+30	0.787	2.993	0.916
+40	1.399	2.818	2.743
+45	2.650	1.748	0.721
Voltage	Test Result (ppm)@NT		
	5745 MHz	5785 MHz	5825MHz
LV	1.297	2.287	1.580
HV	2.407	1.314	0.778

802.11n (HT40):

Temperature(°C)	Test Result (ppm)@NV	
	5755 MHz	5795 MHz
0	1.024	0.950
+10	1.052	2.870
+20	2.220	0.858
+30	1.115	1.978
+40	2.808	1.345
+45	0.735	1.998
Voltage	Test Result (ppm)@NT	
	5755 MHz	5795 MHz
LV	1.539	2.922
HV	0.721	1.986

802.11ac (HT 20):

Temperature(°C)	Test Result (ppm)@NV		
	5745 MHz	5785 MHz	5825MHz
0	1.202	1.324	1.429
+10	1.363	2.030	2.725
+20	2.349	2.906	2.882
+30	1.192	0.746	2.788
+40	1.935	1.396	1.363
+45	2.464	2.285	1.043
Voltage	Test Result (ppm)@NT		
	5745 MHz	5785 MHz	5825MHz
LV	1.026	0.989	1.283
HV	2.206	0.987	1.440

802.11ac (HT 40):

Temperature(°C)	Test Result (ppm)@NV	
	5755 MHz	5795 MHz
0	2.253	1.780
+10	2.981	2.007
+20	2.594	0.799
+30	2.086	0.962
+40	2.712	1.566
+45	2.552	1.616
Voltage	Test Result (ppm)@NT	
	5755 MHz	5795 MHz
LV	2.242	1.994
HV	1.705	2.022

802.11ac (HT 80):

Temperature(°C)	Test Result (ppm)@NV	
	5775 MHz	
0	1.984	
+10	0.778	
+20	2.265	
+30	1.338	
+40	2.393	
+45	1.969	
Voltage	Test Result (ppm)@NT	
	5775 MHz	
LV	1.886	
HV	1.176	

Dynamic Frequency Selection

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the master and slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

DESCRIPTION OF EUT

For FCC the EUT operates over the 5250MHz~5350MHz, 5470MHz~5725MHz ranges.

For IC the EUT operates over the 5250MHz~5350MHz, 5470MHz~5725MHz ranges, excluding the 5600-5650 MHz range.

The EUT is a Slave Device without Radar Detection.

Note 1: The device supports normal mode only, does not support "listen only" mode.

Note 2: The device not supports two client devices can communicate directly.

EUT power

The highest power level within these bands is 24.46 dBm EIRP in the 5250-5350 MHz band. The highest power level within these bands is 24.78 dBm EIRP in the 5470-5725 MHz band. The rated output power of the Master unit is $>23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

WLAN traffic is generated by streaming the video file TestFile.mp2 “61/2 Magic Hours” from the Master to the Slave in full motion video mode using Windows media player.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz.

The software installed in the EUT is V1.0.

The software installed in the access point is AP-150W Version HiveOS 8.1r1 Luoyang build-173566-devdbg.

The software installed in the Keysight BenchVue Signal Generator is 2017.

UNIFORM CHANNEL SPREADING

This function is not required per KDB 905462.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO 15.407(h) REQUIREMENTS

The Master Device is an Aerohive, Inc. Access Point, FCC ID:WBV-AP150W. The minimum antenna gain for the Master Device is 5.88 dBi.

The rated output power of the Master unit is $>23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The software installed in the access point is AP-150W Version HiveOS 8.1r1 Luoyang build-173566-devdbg.

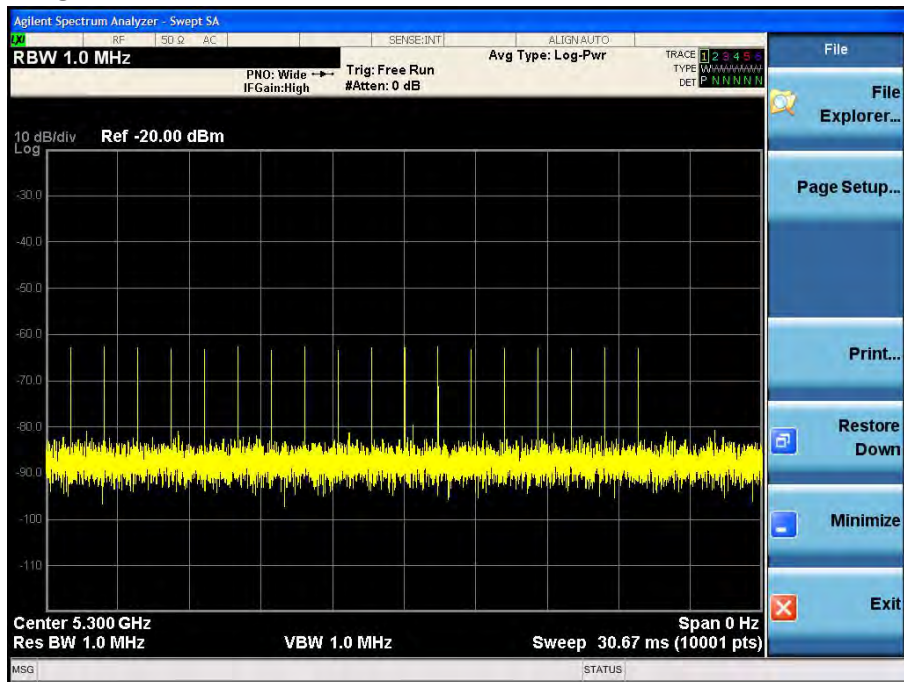
The software installed in the keysight BenchVue Signal Generator is 2017.

CLIENT MODE RESULTS FOR 20MHz BANDWIDTH

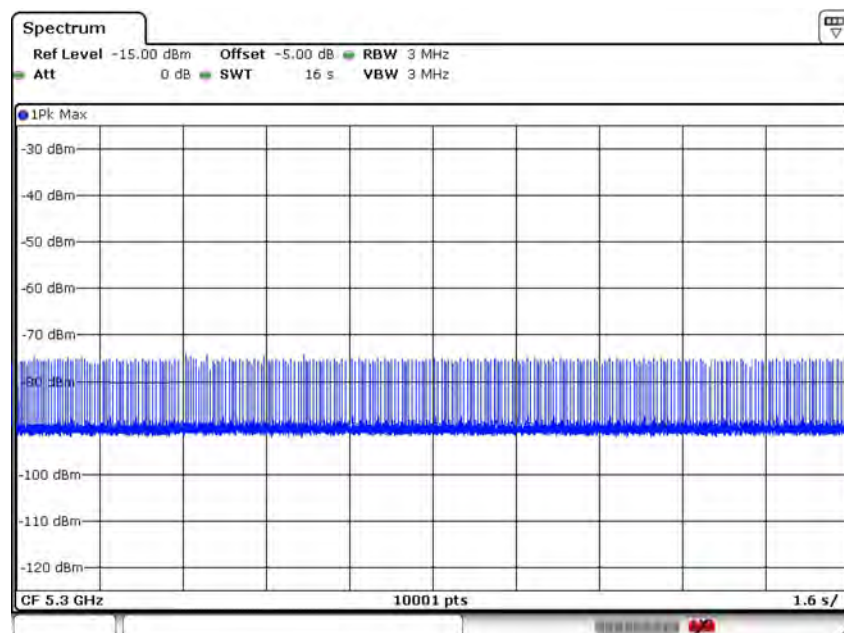
5250-5350MHz (802.11ac 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5300 MHz.

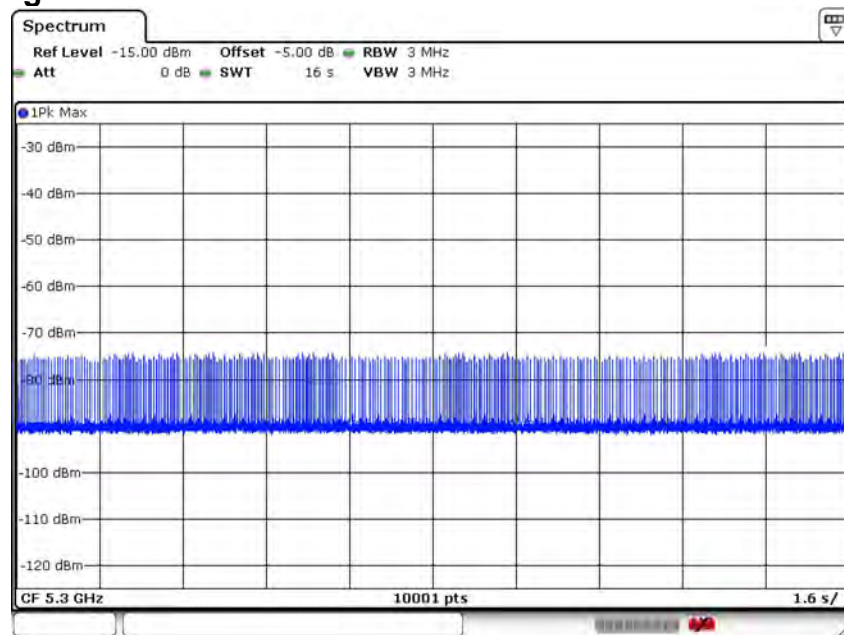
RADAR WAVEFORM



Traffic



Channel Loading

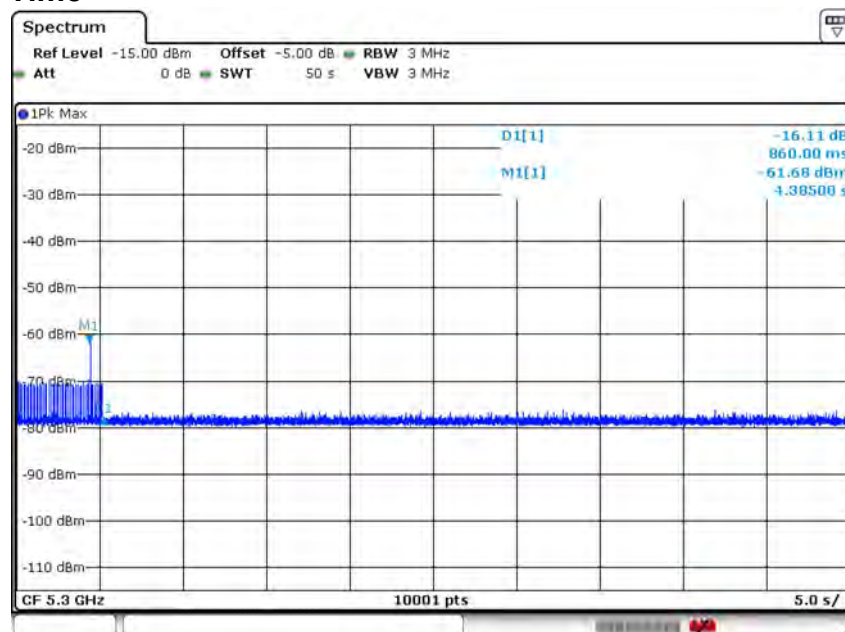


The level of traffic loading on the channel by the EUT is 14.37%

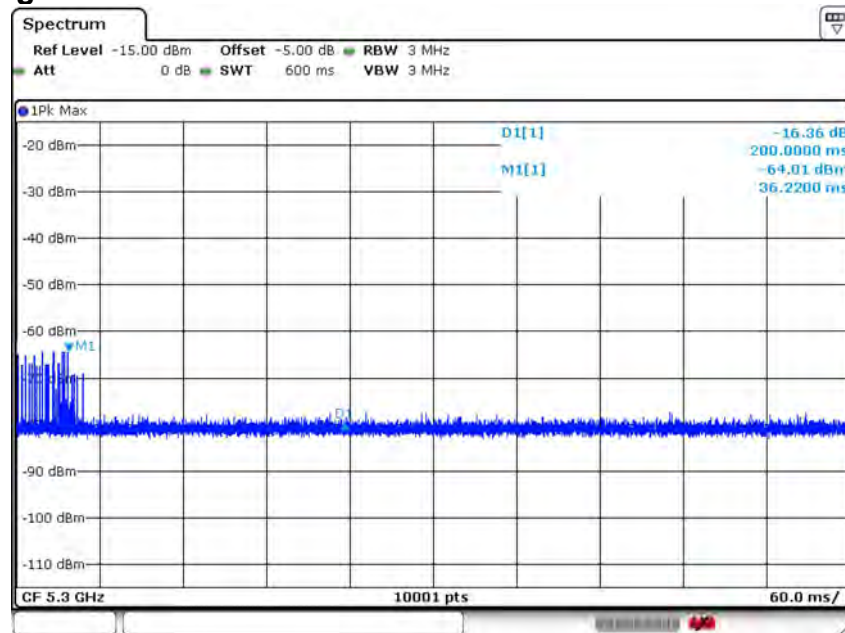
Channel Move Time (sec)	Limit (sec)
0.860	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
14	60

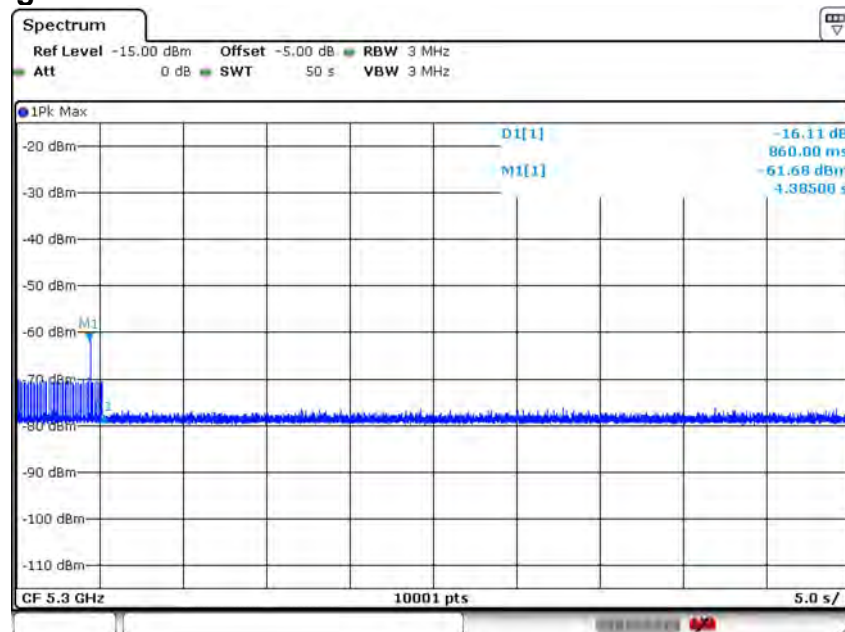
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

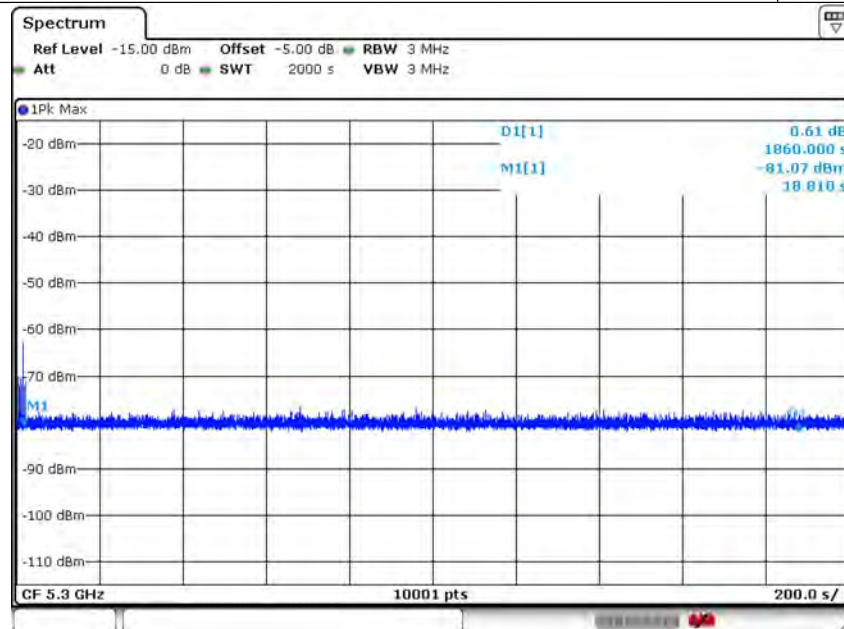


Note: $T1 = M1 + 200\text{ms} = 4.585\text{s}$, $T2 = T1 + 10\text{s} = 14.585\text{s}$;
Channel Closing Transmission Time=Aggregate time above threshold between T1 and T2
(trace data time) = 14ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

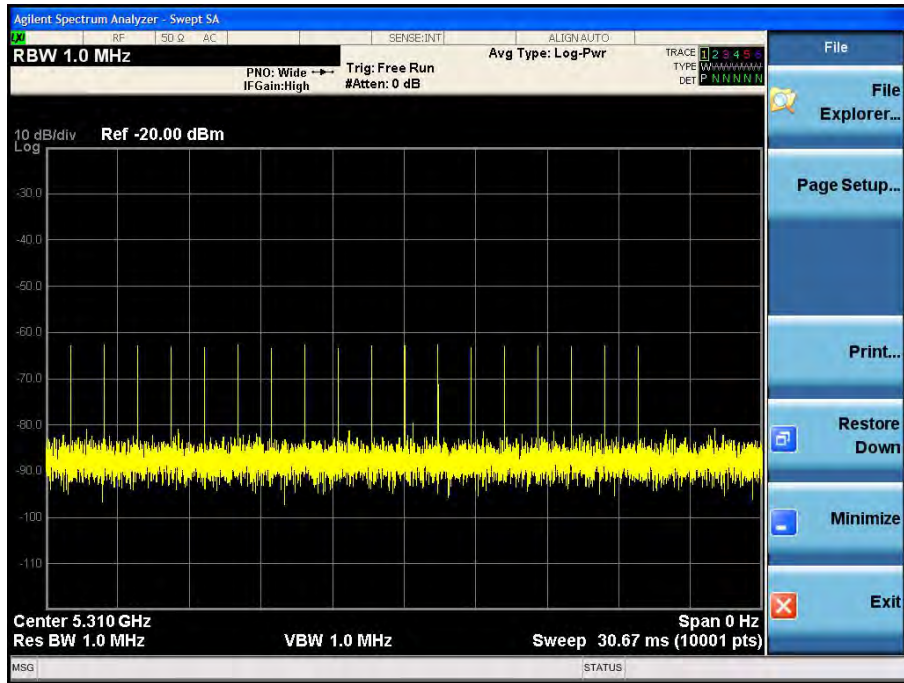
Non-occupancy Period (sec)	Limit (sec)
1860	1800



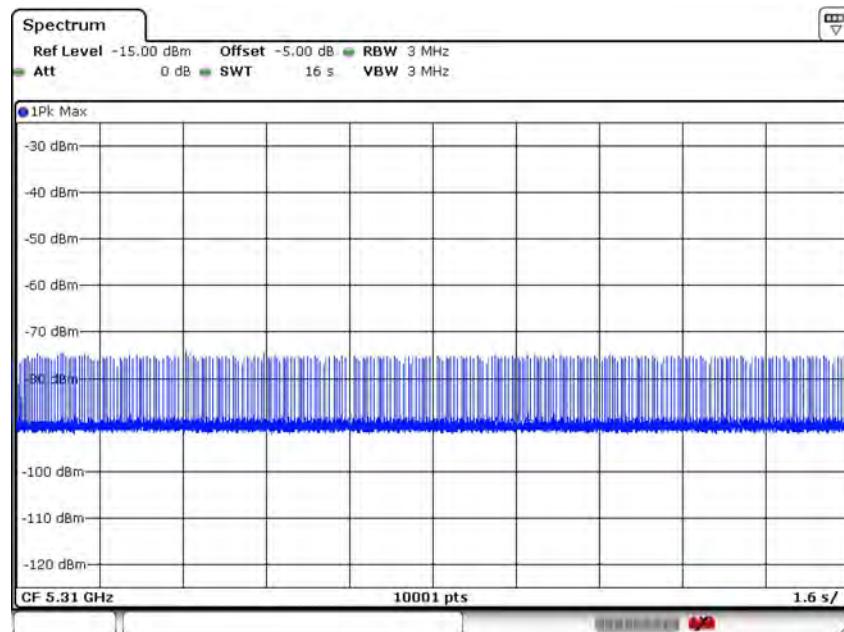
CLIENT MODE RESULTS FOR 40MHz BANDWIDTH 5250-5350MHz (802.11ac 40MHz)

Client devices with 40 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5310 MHz.

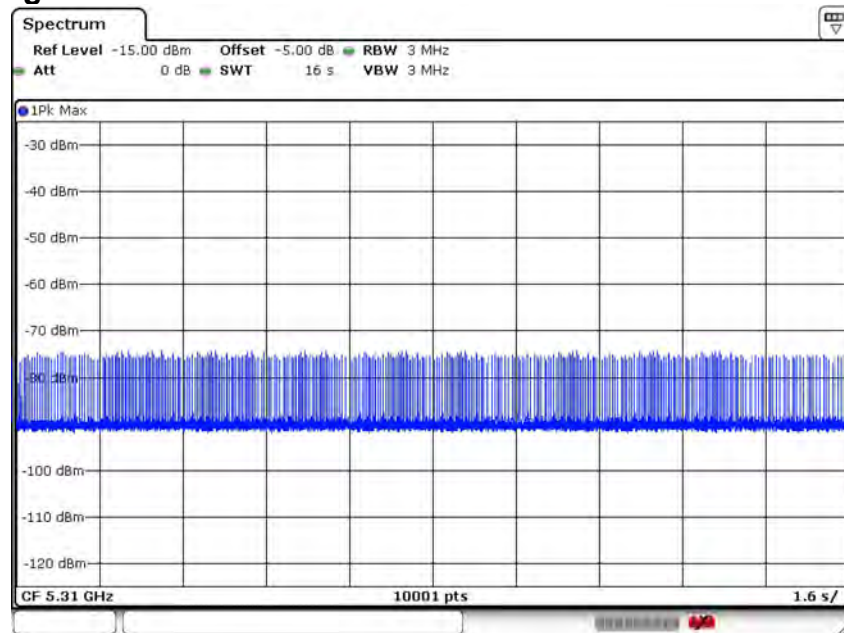
RADAR WAVEFORM



Traffic



Channel Loading

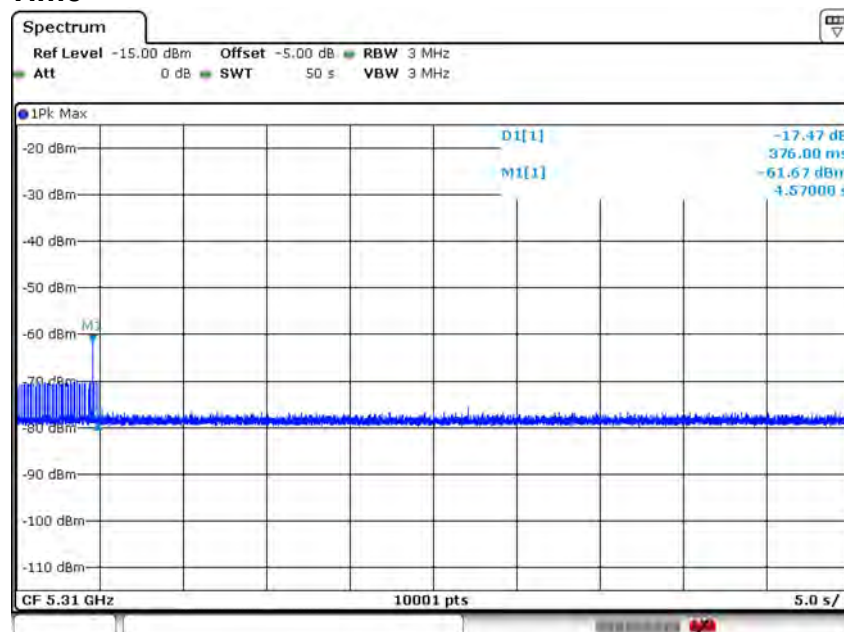


The level of traffic loading on the channel by the EUT is 15.36%

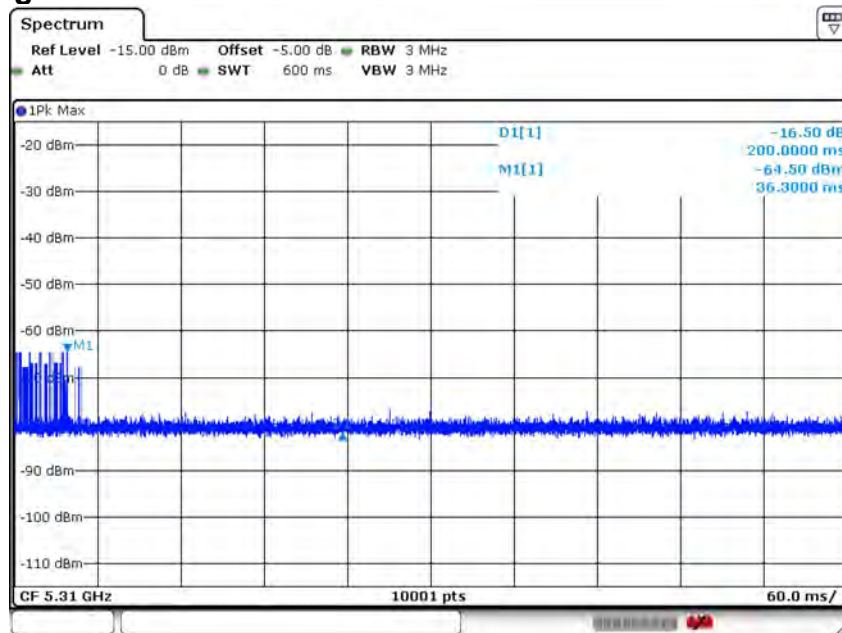
Channel Move Time (sec)	Limit (sec)
0.376	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
13	60

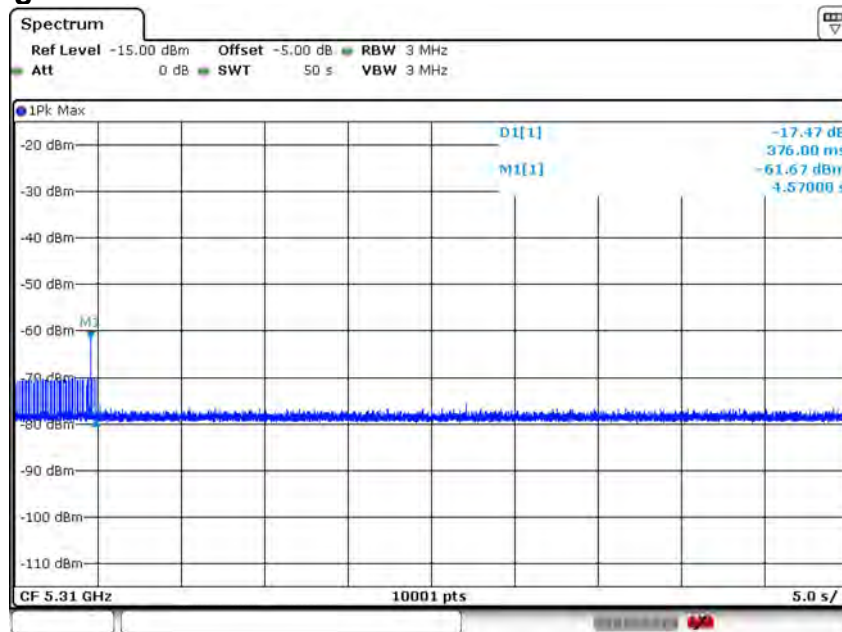
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

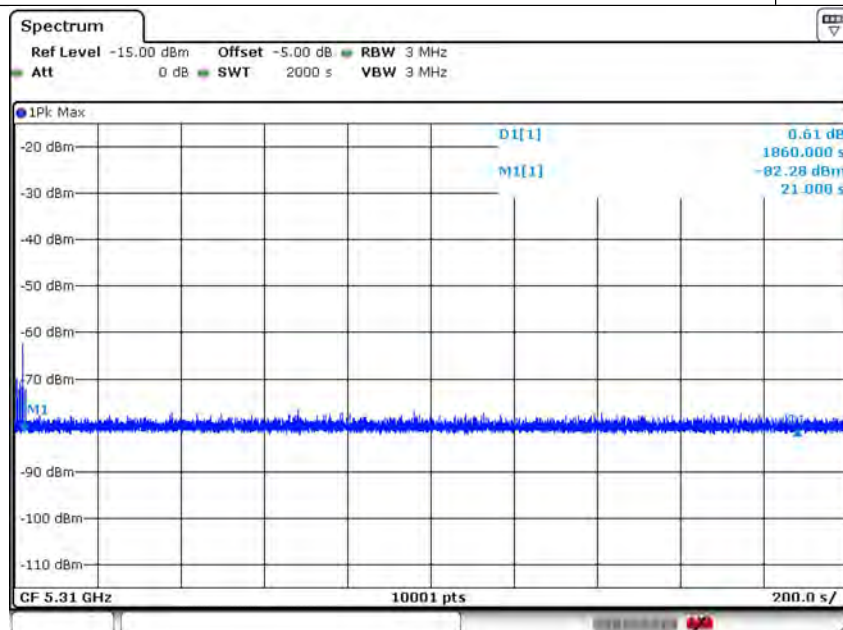


Note: $T1 = M1 + 200ms = 4.770s$, $T2 = T1 + 10s = 14.770s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 13ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

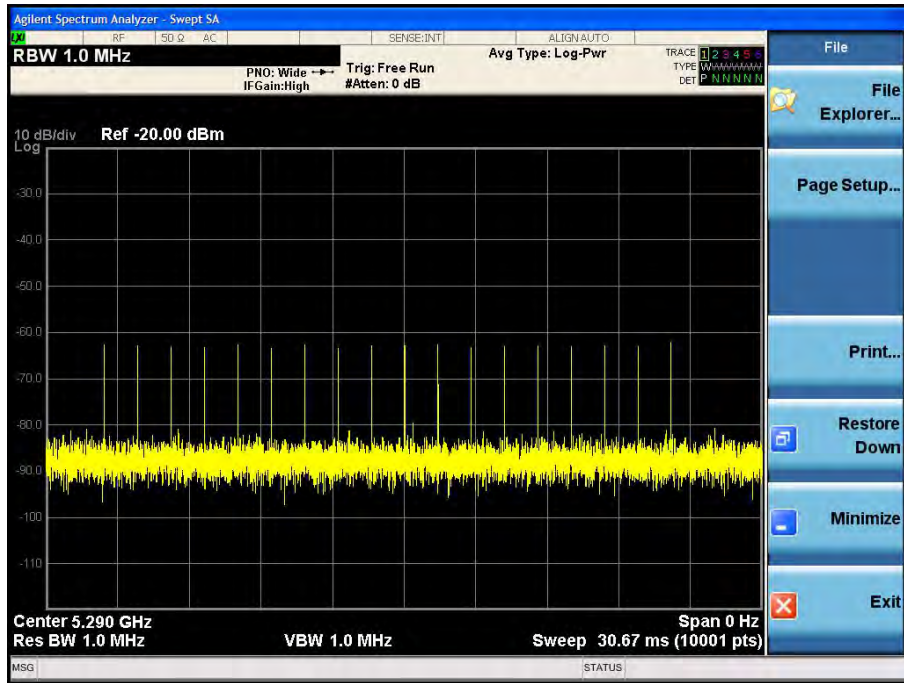
Non-occupancy Period (sec)	Limit (sec)
1860	1800



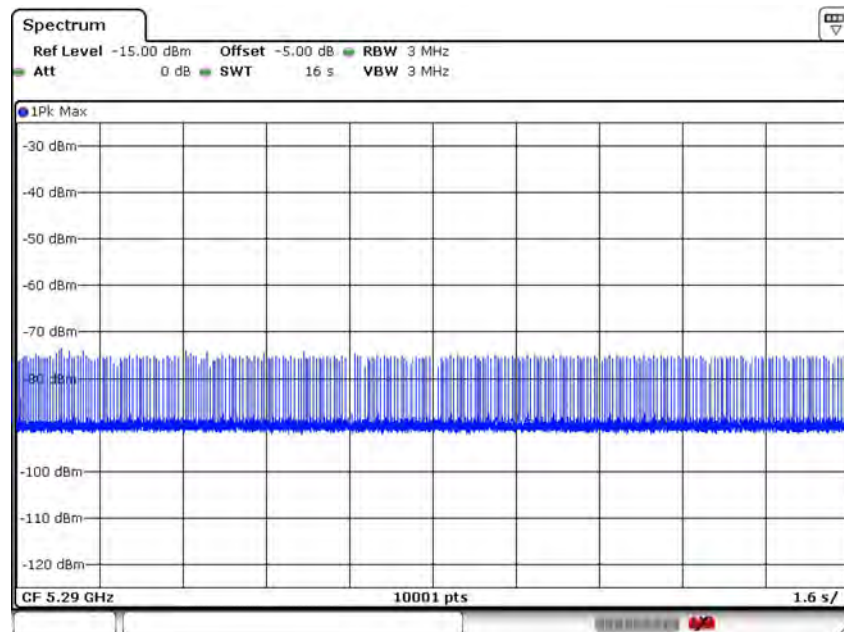
CLIENT MODE RESULTS FOR 80MHz BANDWIDTH 5250-5350MHz (802.11ac 80MHz)

Client devices with 80 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5290 MHz.

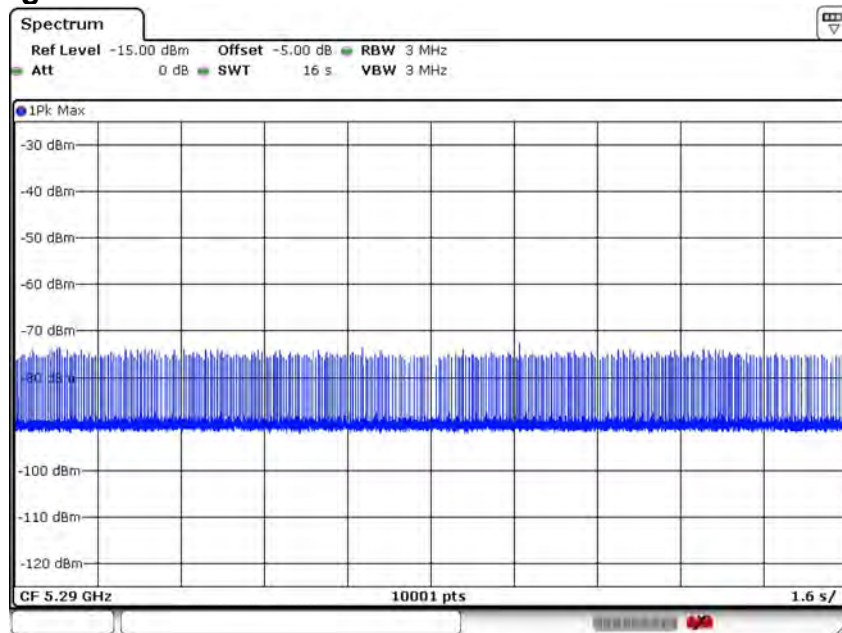
RADAR WAVEFORM



Traffic



Channel Loading

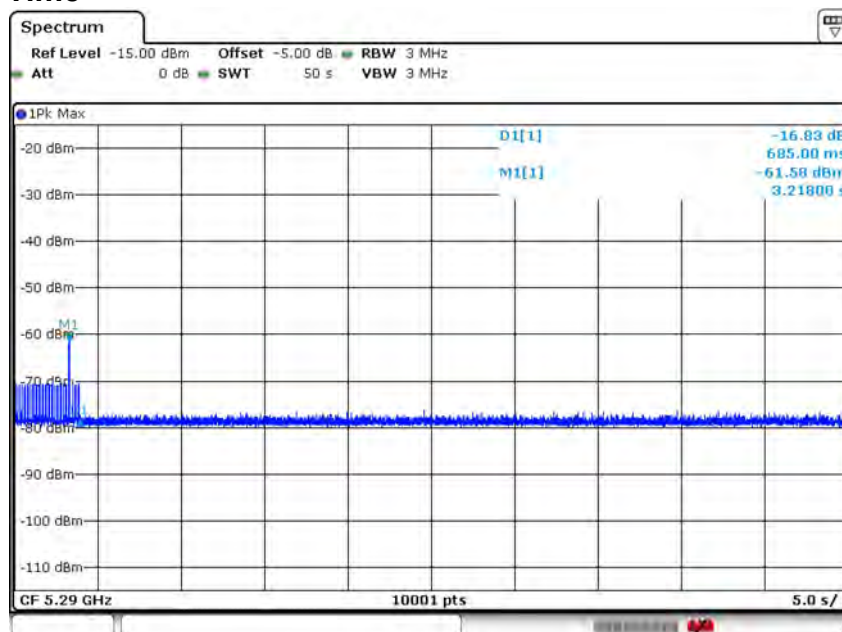


The level of traffic loading on the channel by the EUT is 14.73%

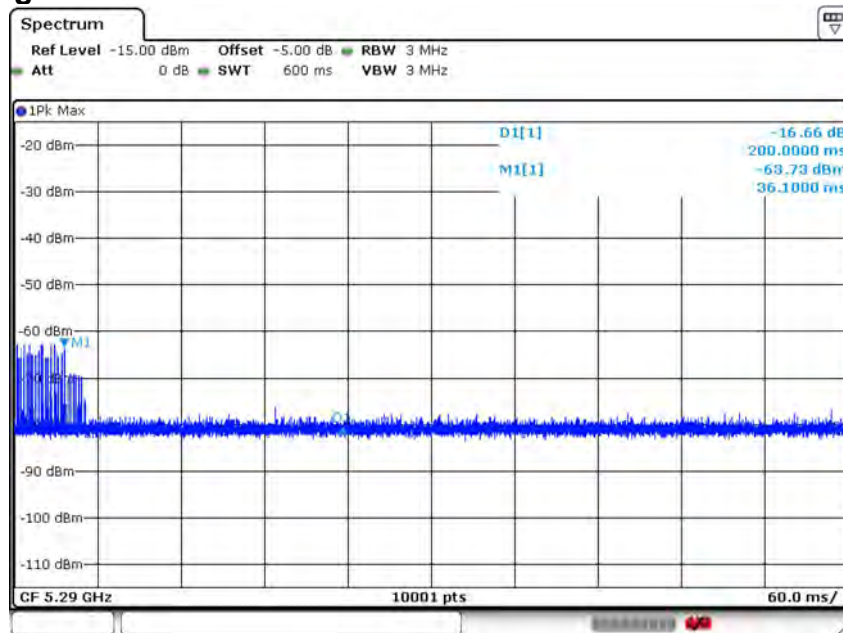
Channel Move Time (sec)	Limit (sec)
0.685	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
16	60

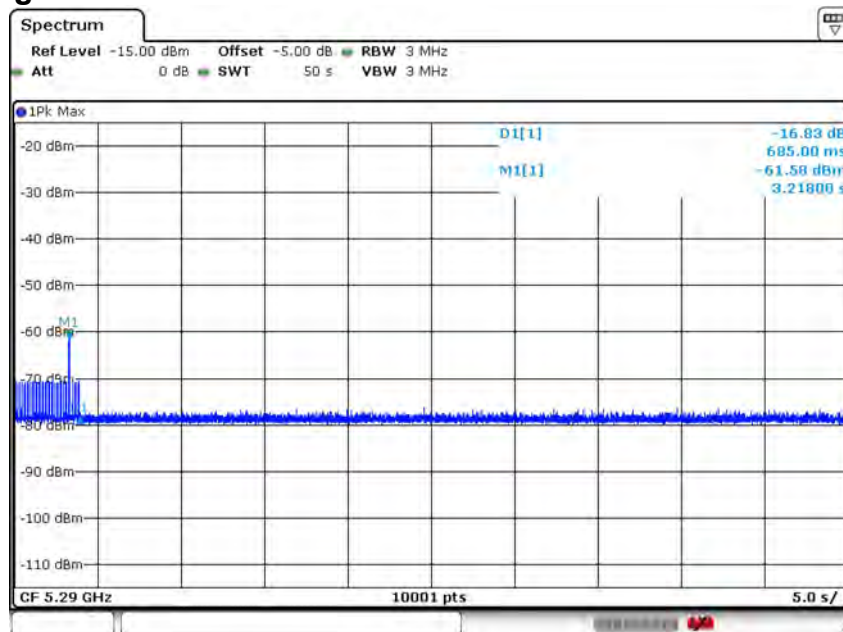
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

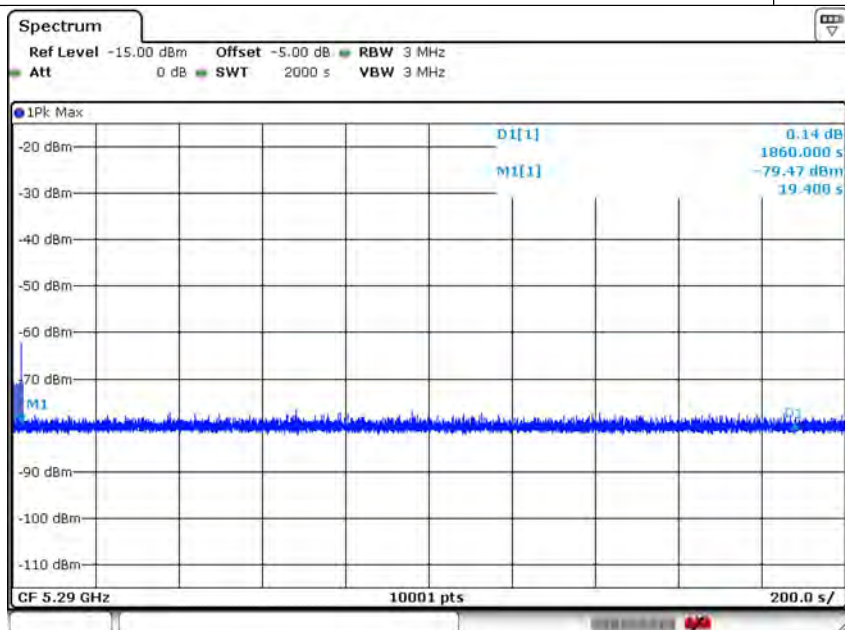


Note: $T1 = M1 + 200ms = 3.518s$, $T2 = T1 + 10s = 13.518s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 16ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

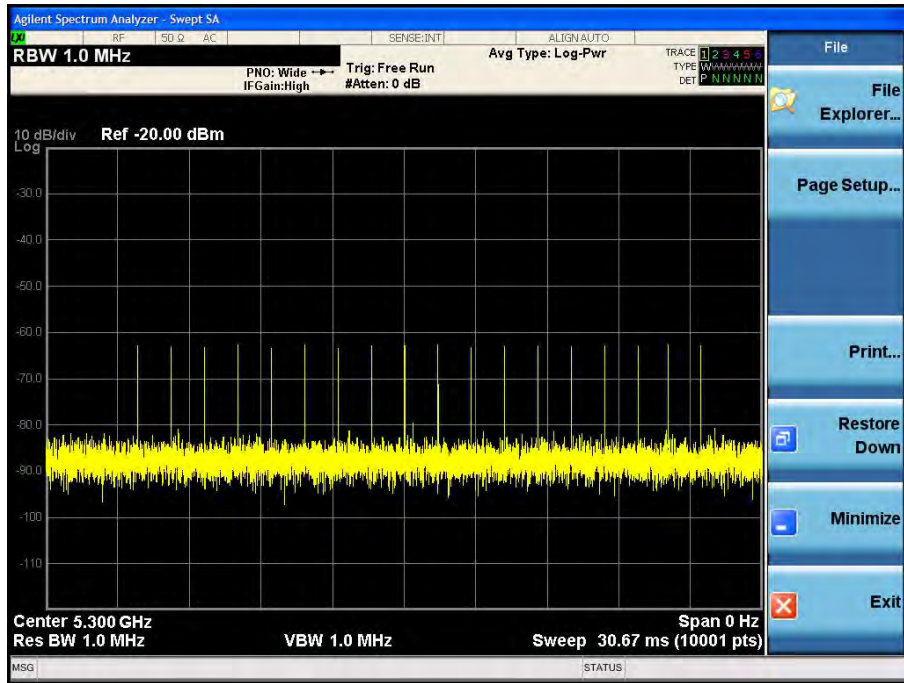
Non-occupancy Period (sec)	Limit (sec)
1860	1800



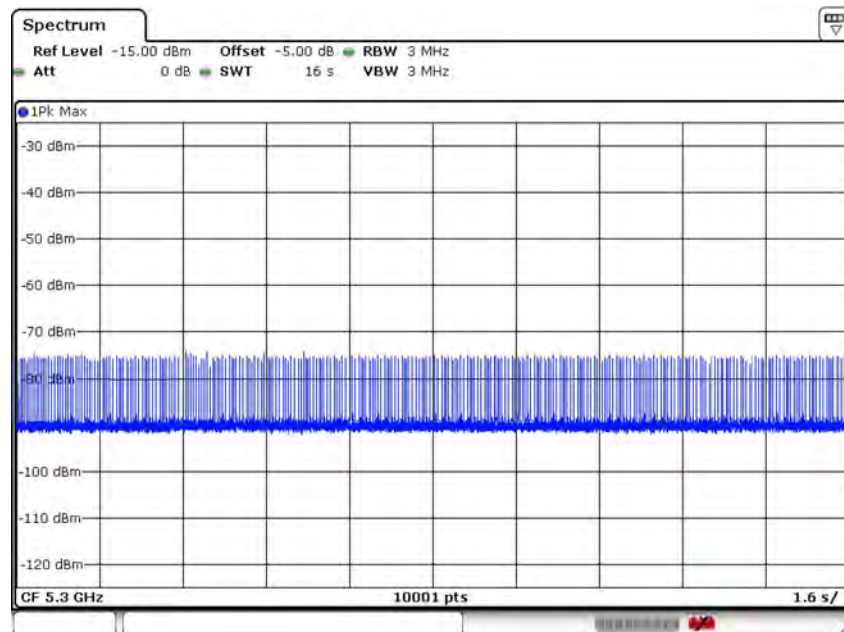
CLIENT MODE RESULTS FOR 20MHz BANDWIDTH 5250-5350MHz (802.11n 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5300 MHz.

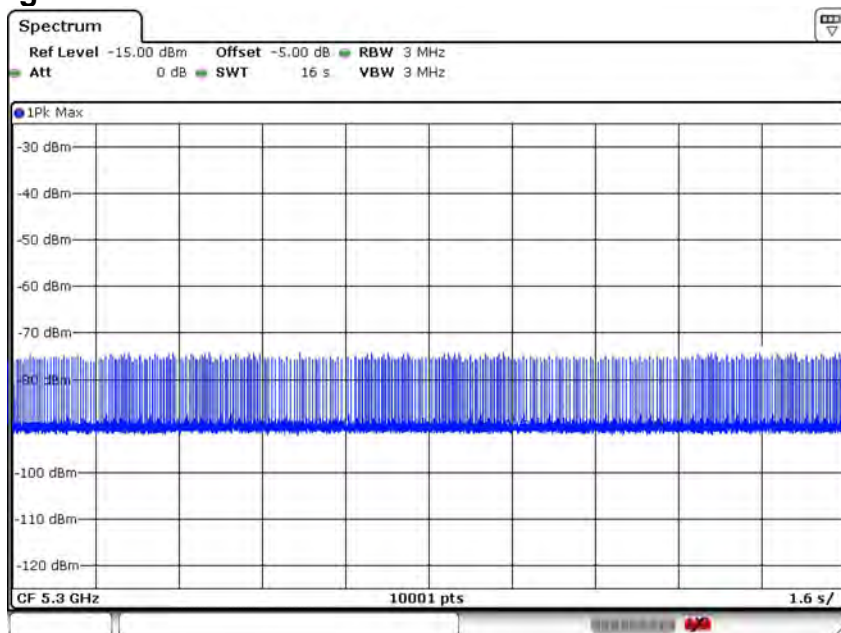
RADAR WAVEFORM



Traffic



Channel Loading

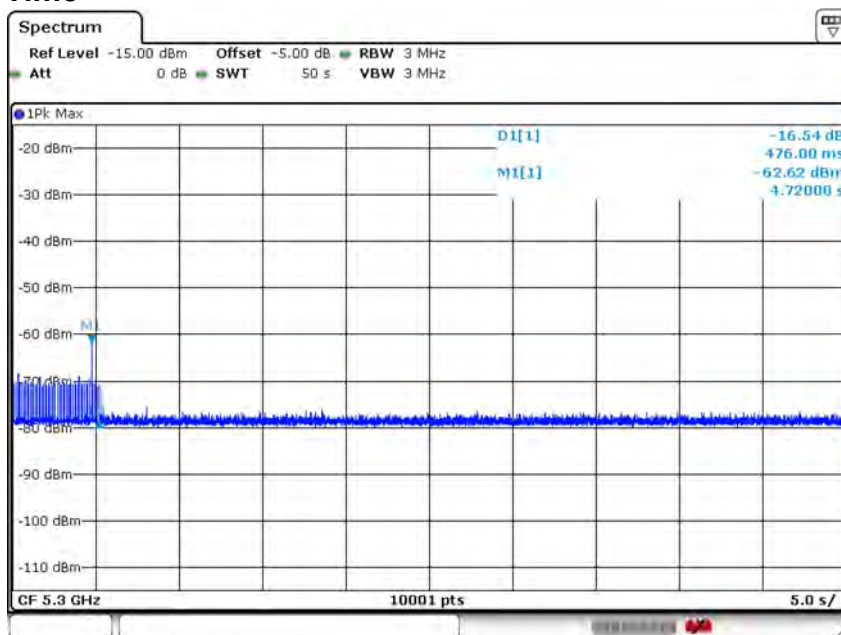


The level of traffic loading on the channel by the EUT is 14.37%

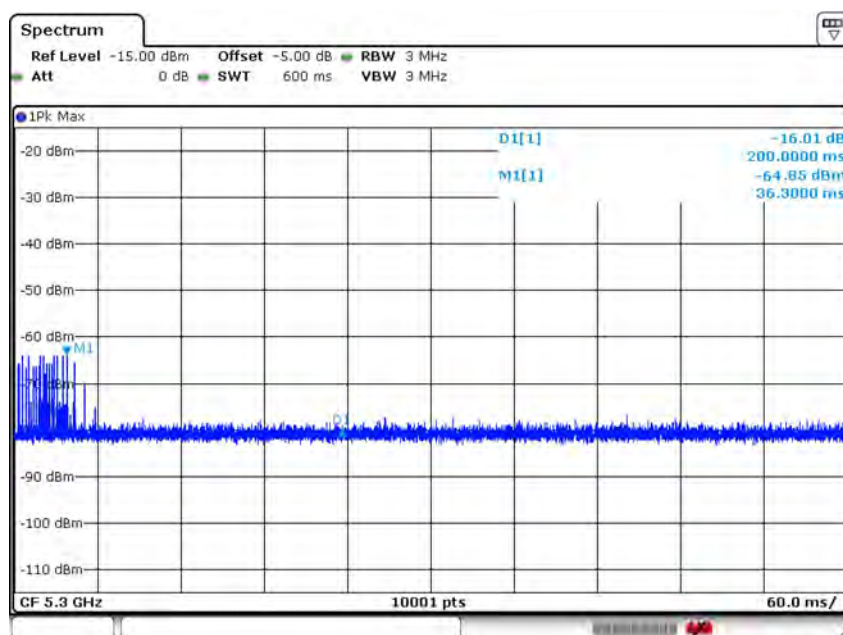
Channel Move Time (sec)	Limit (sec)
0.476	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
21	60

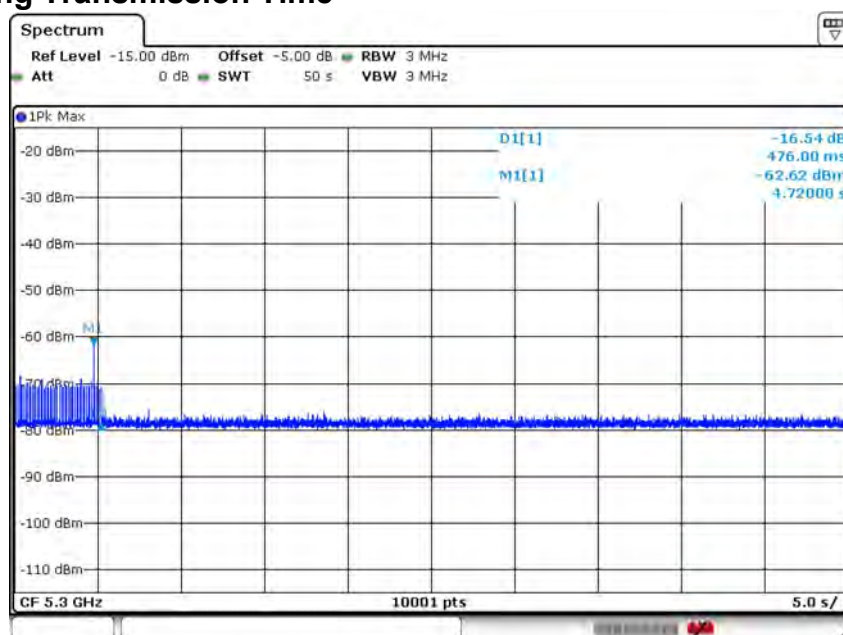
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

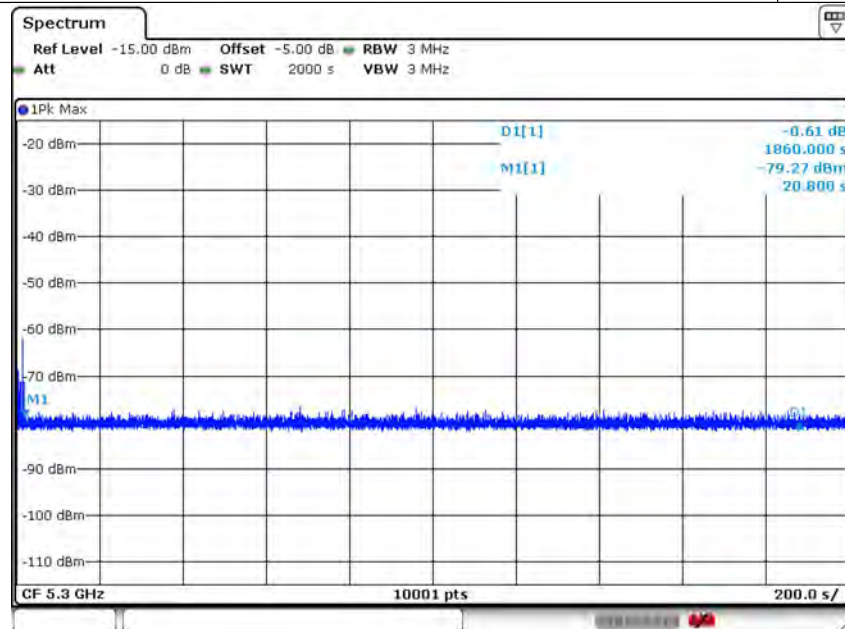


Note: $T1 = M1 + 200ms = 4.920s$, $T2 = T1 + 10s = 14.920s$;
Channel Closing Transmission Time=Aggregate time above threshold between T1 and T2
(trace data time) = 21ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

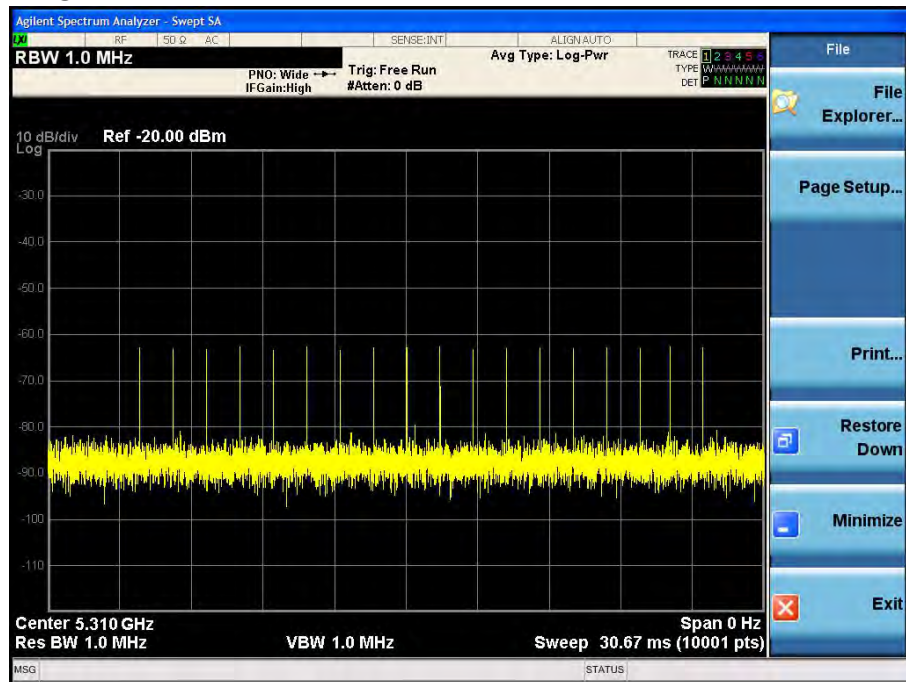
Non-occupancy Period (sec)	Limit (sec)
1860	1800



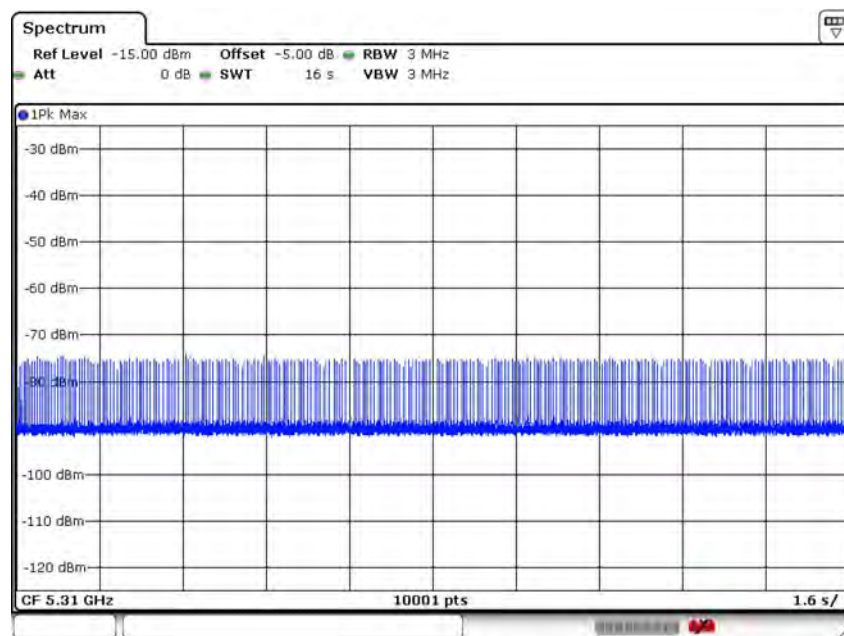
CLIENT MODE RESULTS FOR 40MHz BANDWIDTH 5250-5350MHz (802.11n 40MHz)

Client devices with 40 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5310 MHz.

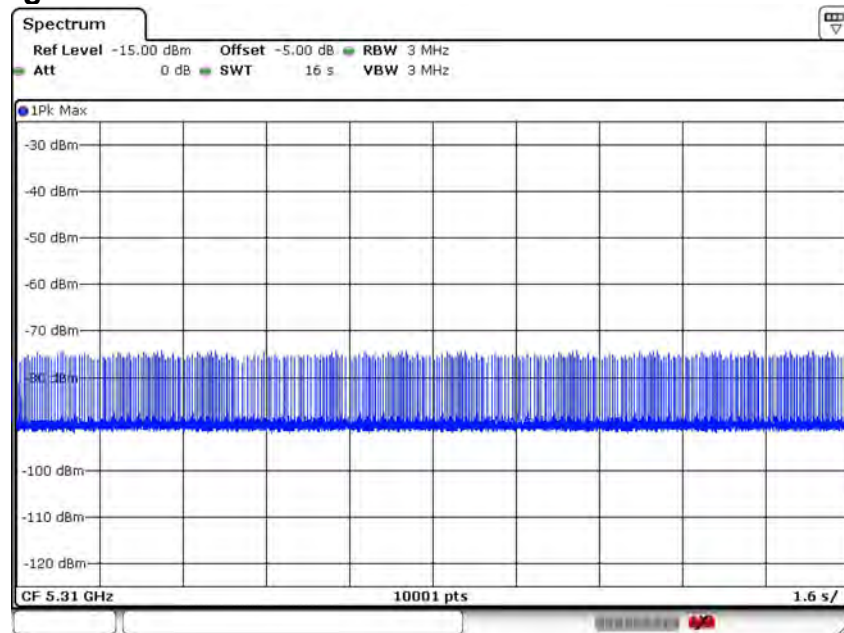
RADAR WAVEFORM



Traffic



Channel Loading

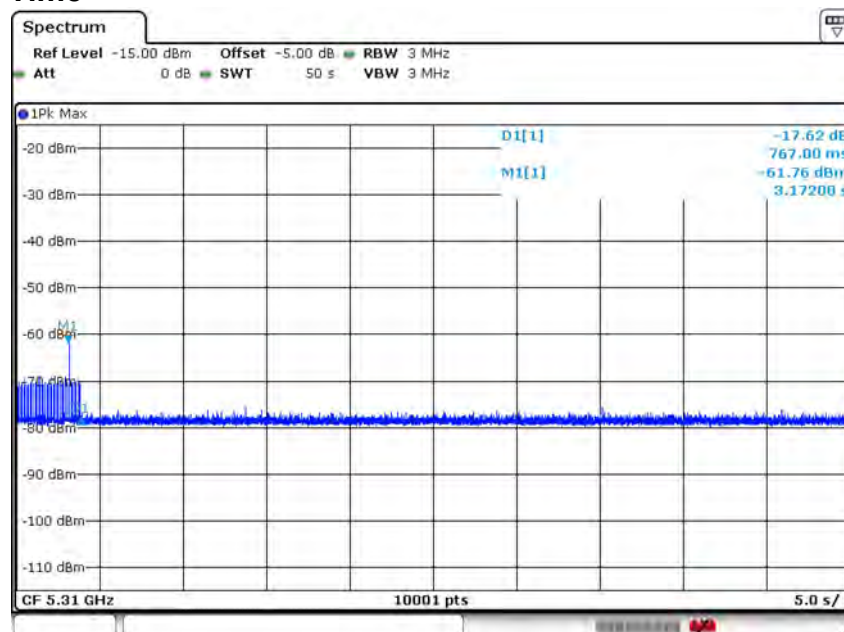


The level of traffic loading on the channel by the EUT is 15.52%

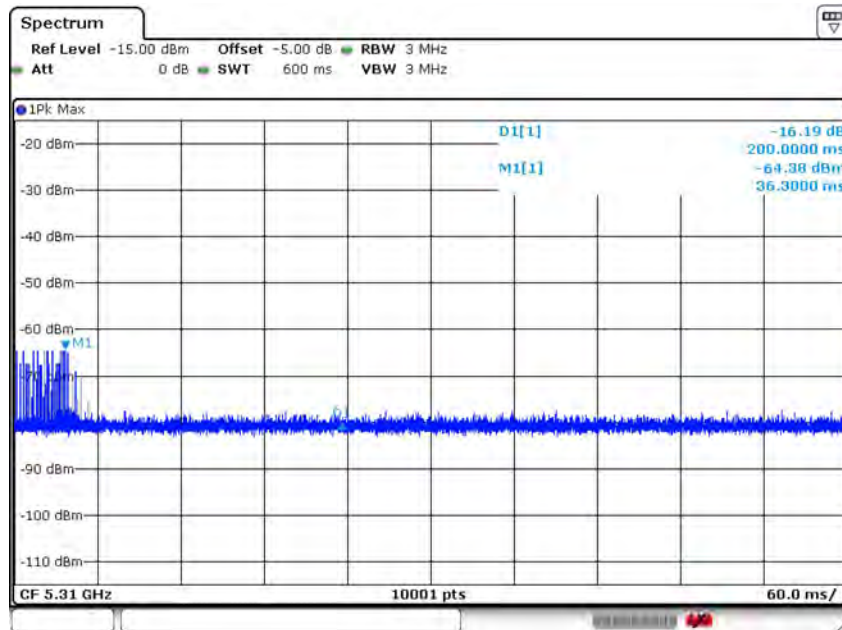
Channel Move Time (sec)	Limit (sec)
0.767	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
12	60

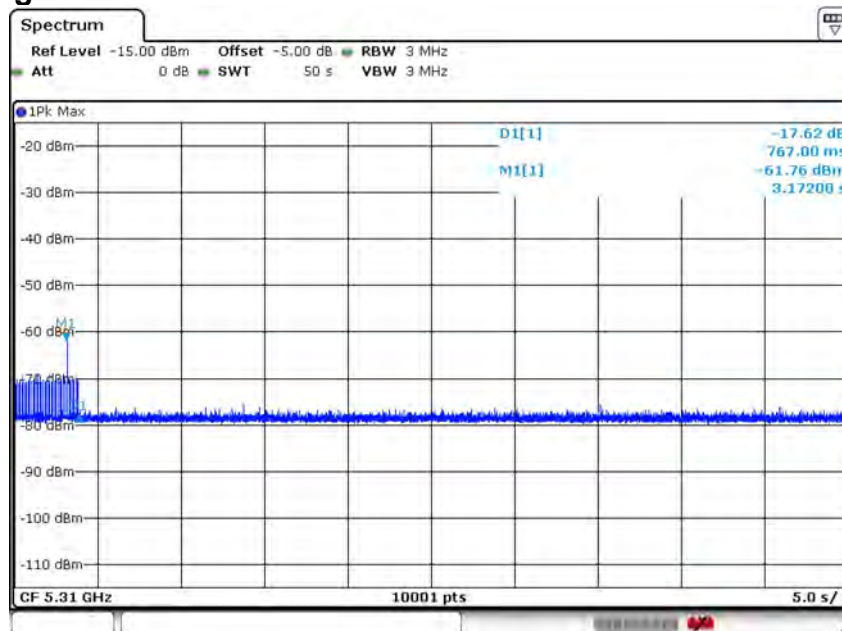
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

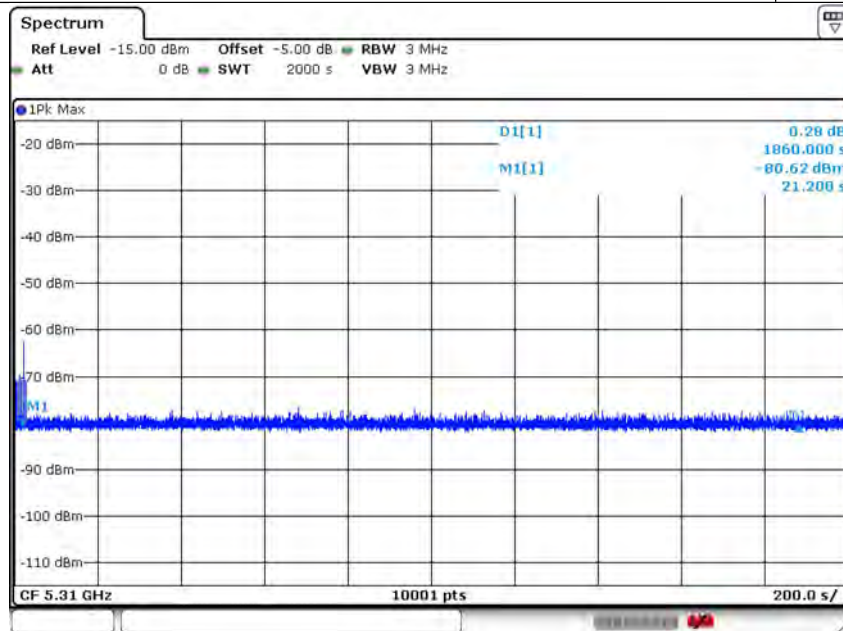


Note: $T1 = M1 + 200ms = 3.372s$, $T2 = T1 + 10s = 13.372s$;
Channel Closing Transmission Time=Aggregate time above threshold between T1 and T2
(trace data time) = 12ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

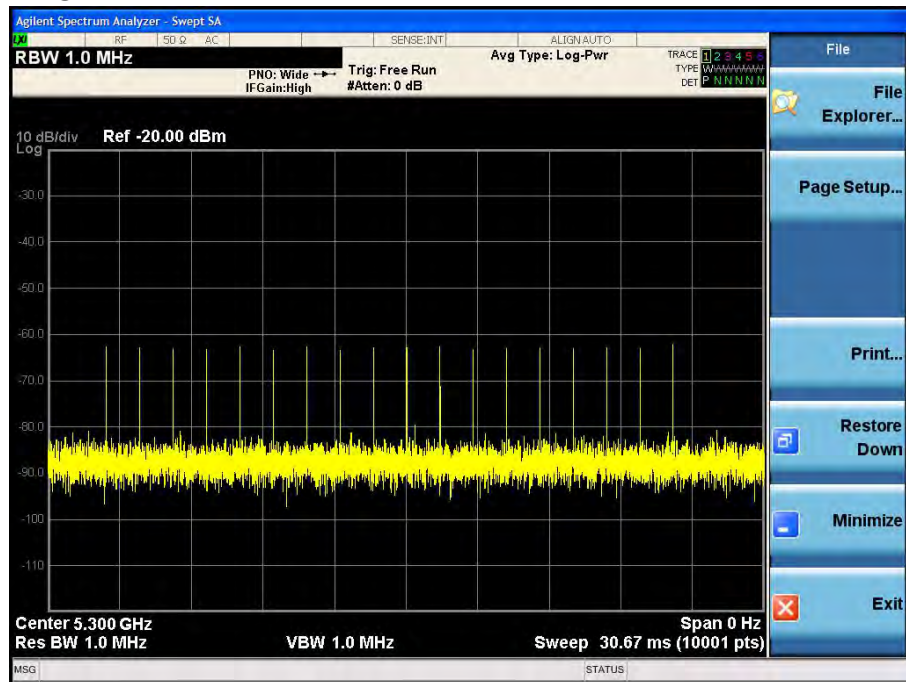
Non-occupancy Period (sec)	Limit (sec)
1860	1800



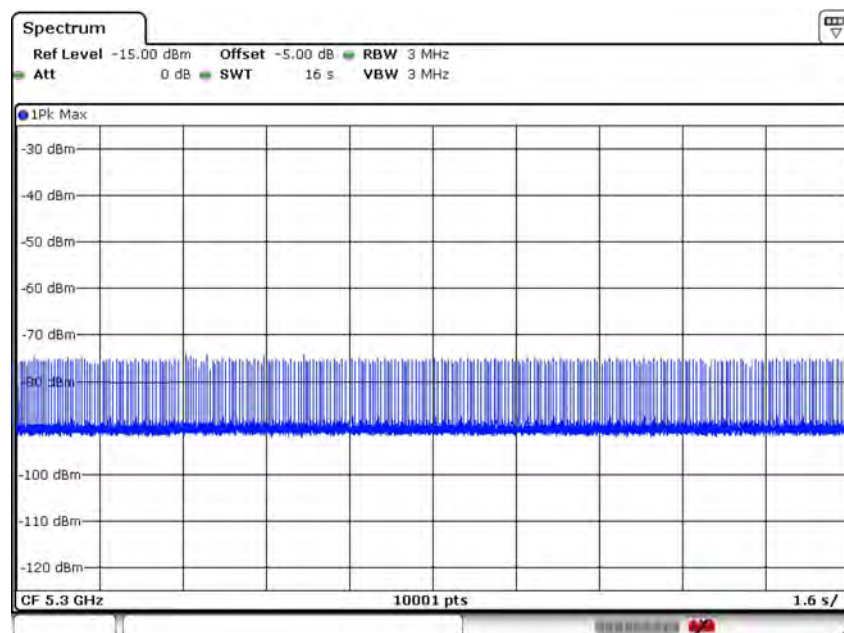
CLIENT MODE RESULTS FOR 20MHz BANDWIDTH 5250-5350MHz (802.11a 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5300 MHz.

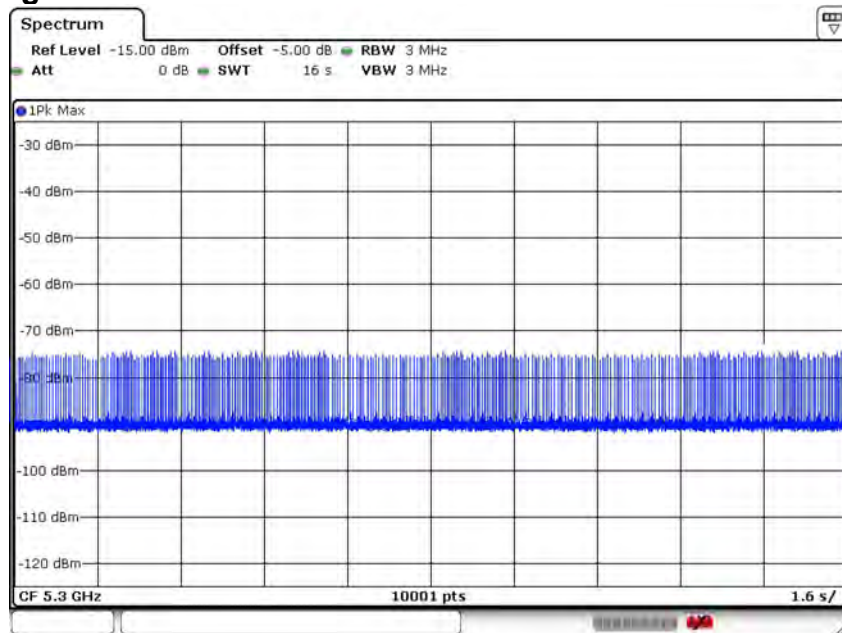
RADAR WAVEFORM



Traffic



Channel Loading

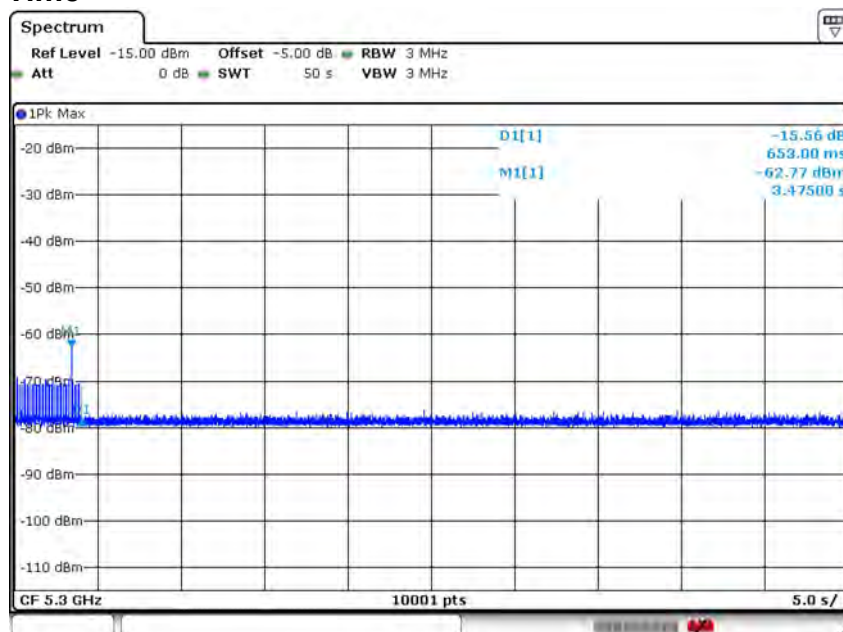


The level of traffic loading on the channel by the EUT is 15.47%

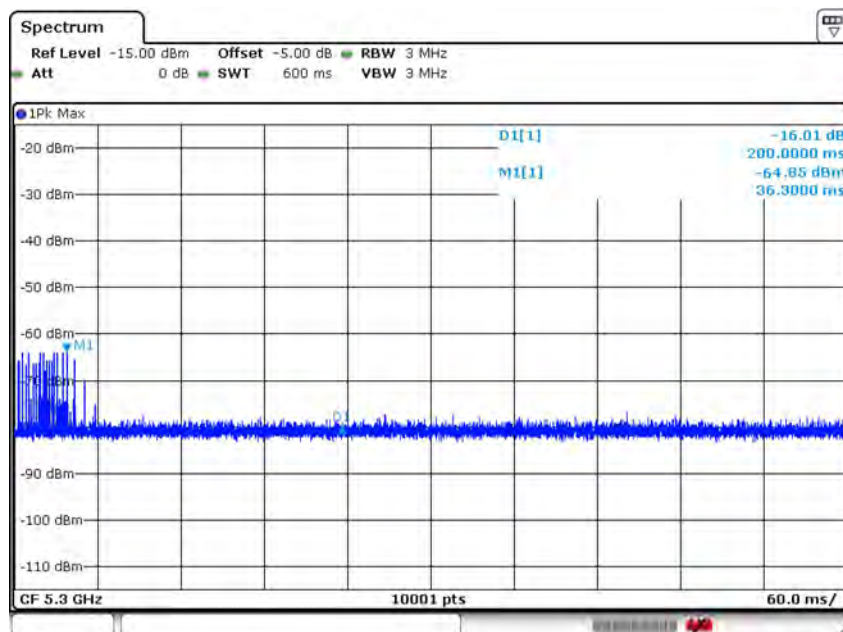
Channel Move Time (sec)	Limit (sec)
0.653	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
13	60

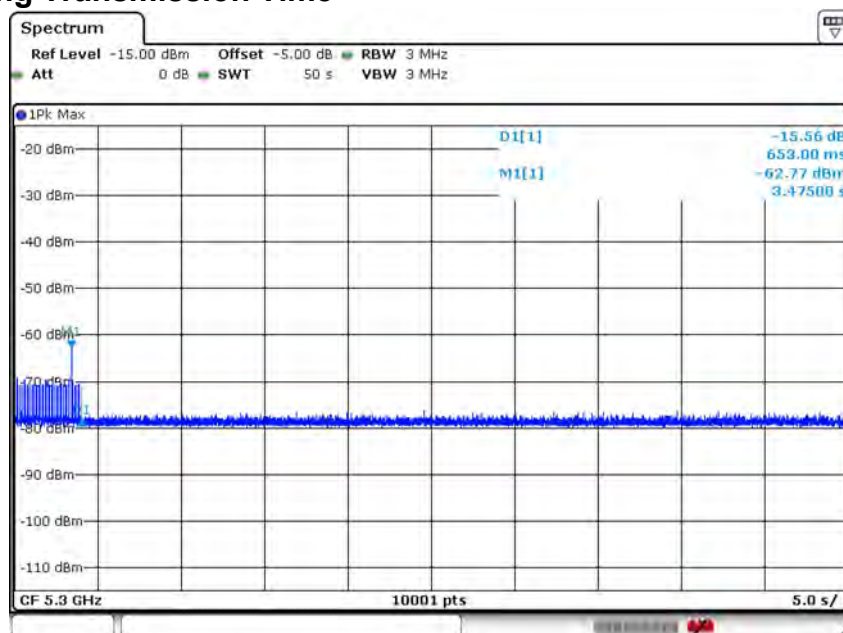
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

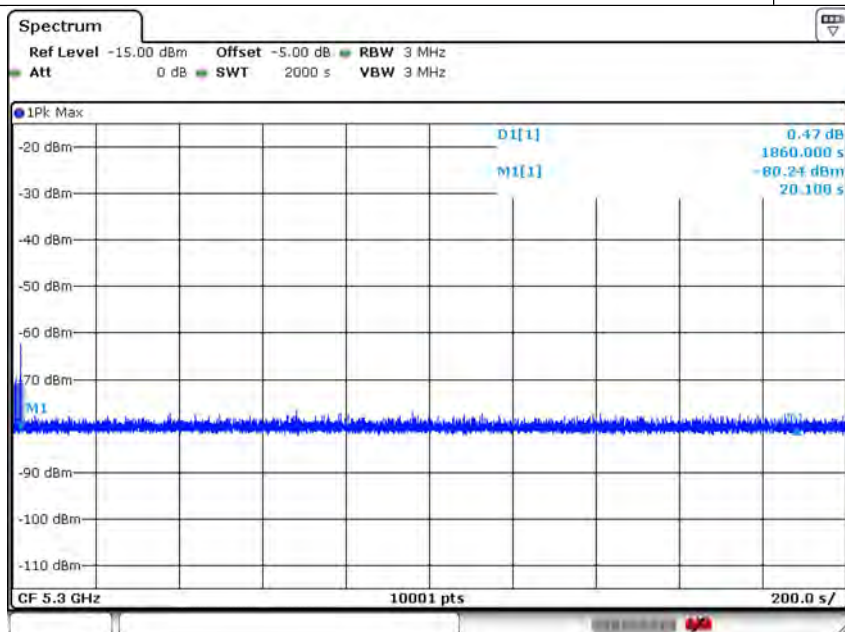


Note: $T1 = M1 + 200ms = 3.853s$, $T2 = T1 + 10s = 13.853s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 13ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

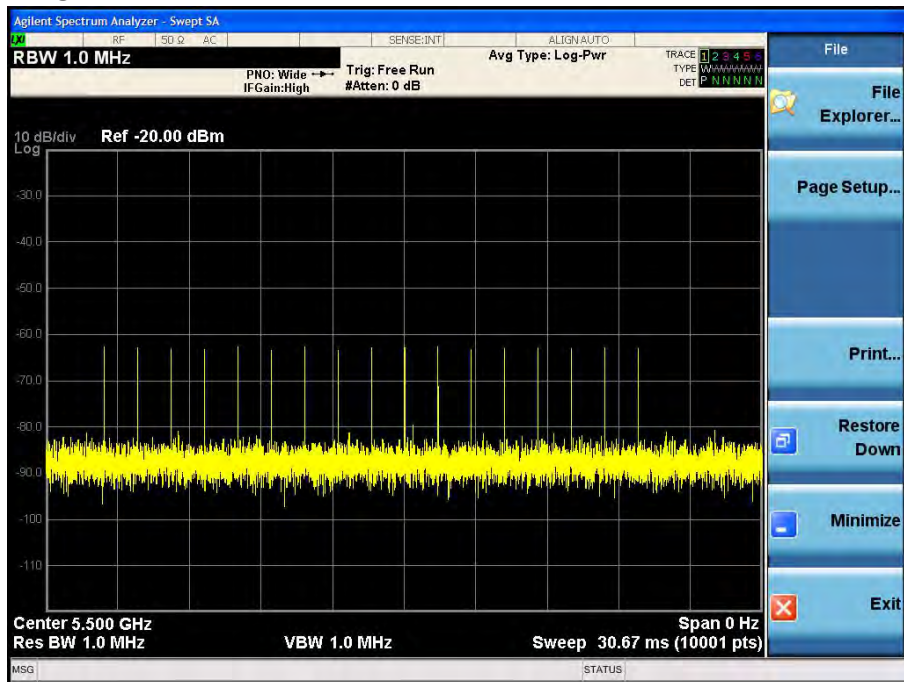
Non-occupancy Period (sec)	Limit (sec)
1860	1800



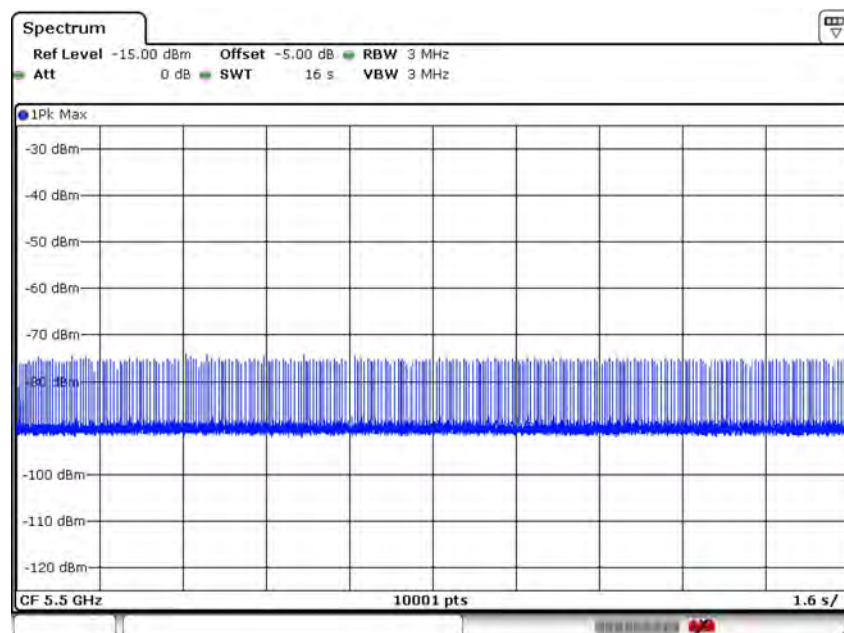
CLIENT MODE RESULTS FOR 20MHz BANDWIDTH 5470-5725MHz (802.11ac 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5500 MHz.

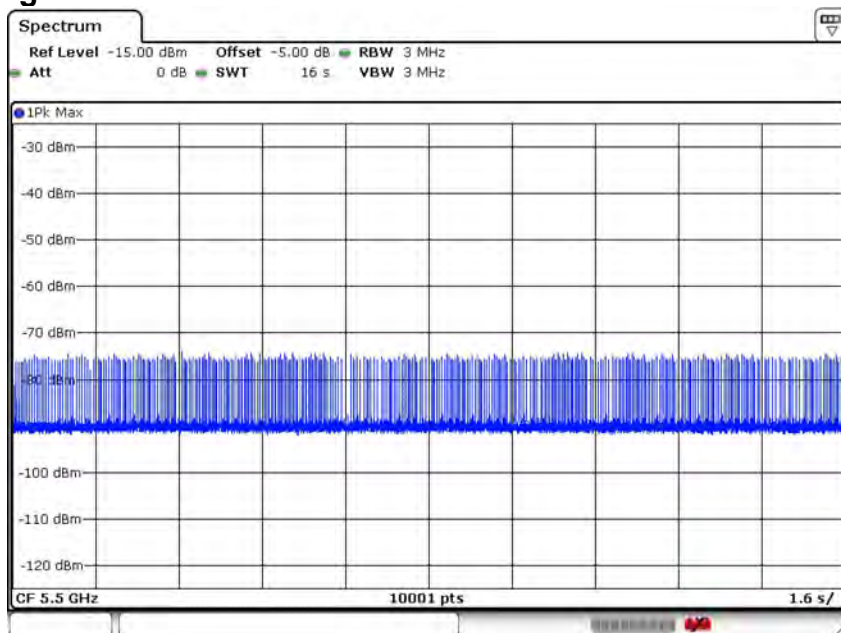
RADAR WAVEFORM



Traffic



Channel Loading

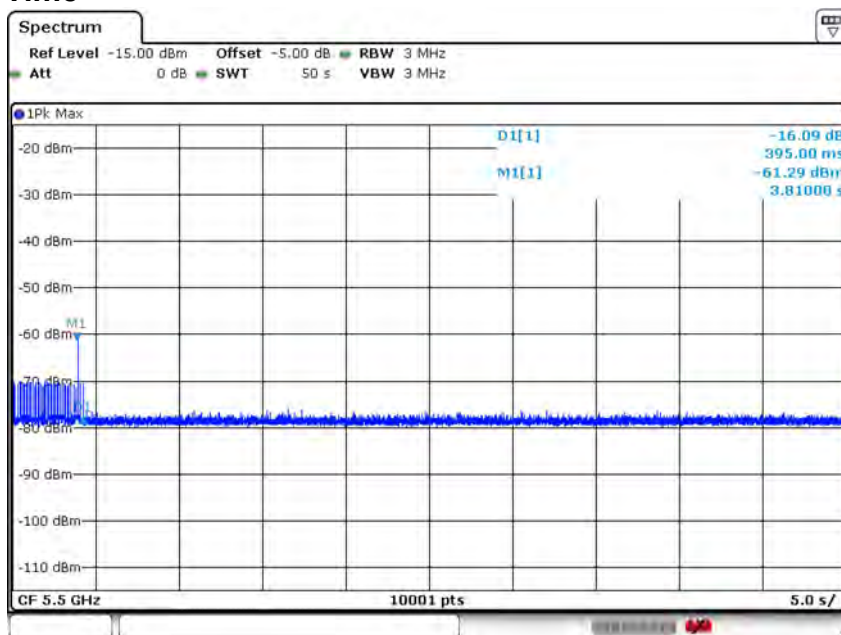


The level of traffic loading on the channel by the EUT is 15.62%

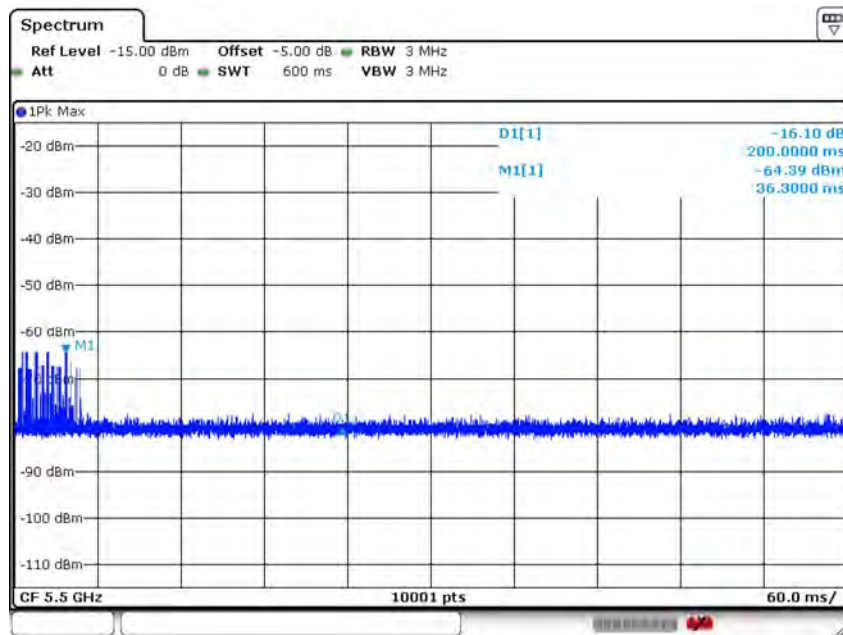
Channel Move Time (sec)	Limit (sec)
0.395	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
14	60

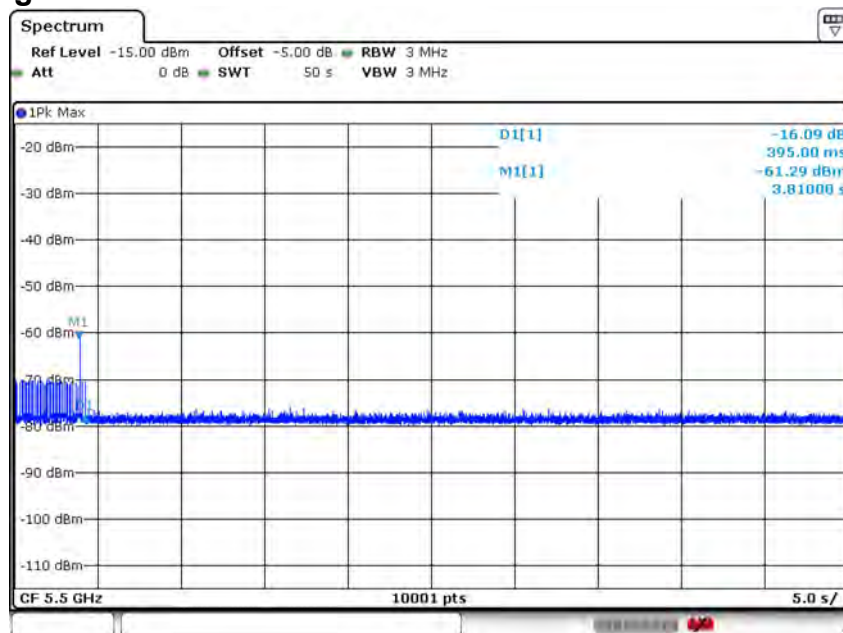
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

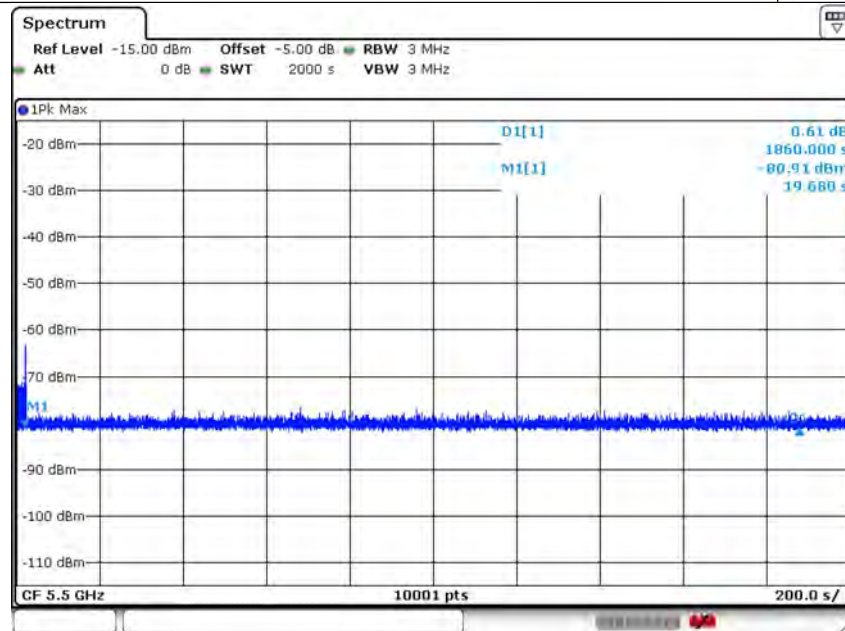


Note: $T1 = M1 + 200ms = 4.010s$, $T2 = T1 + 10s = 14.010s$;
Channel Closing Transmission Time=Aggregate time above threshold between T1 and T2
(trace data time) = 14ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

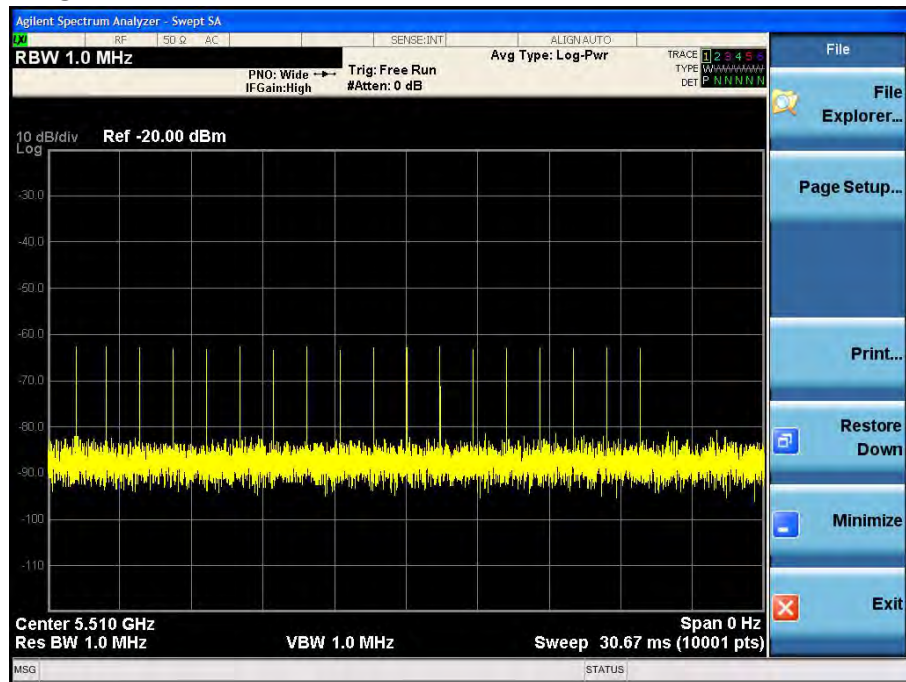
Non-occupancy Period (sec)	Limit (sec)
1860	1800



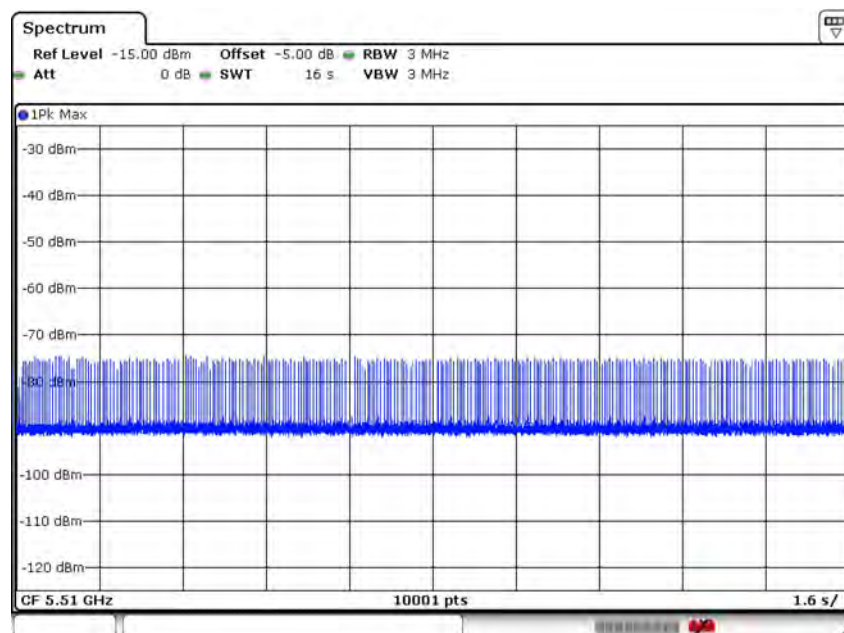
CLIENT MODE RESULTS FOR 40MHz BANDWIDTH 5470-5725MHz (802.11ac 40MHz)

Client devices with 40 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5510 MHz.

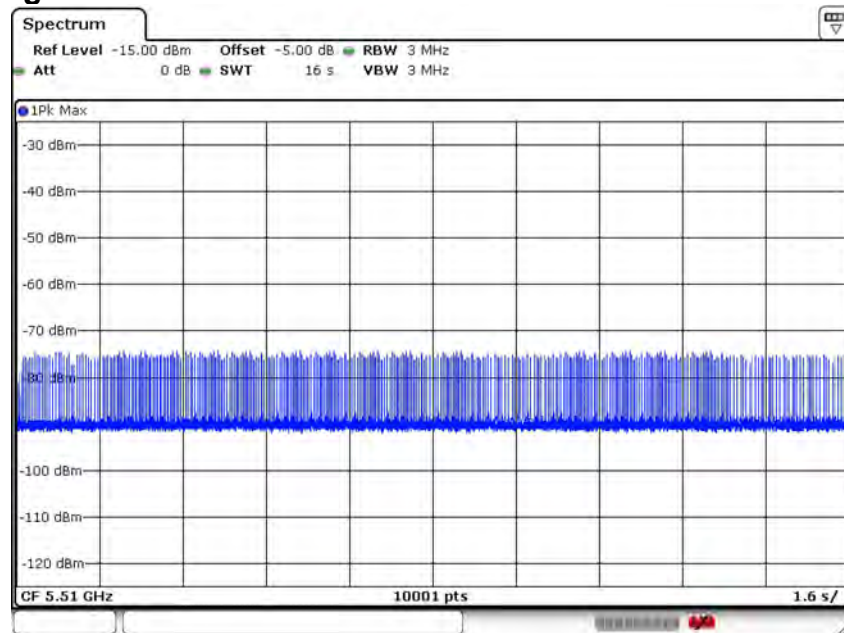
RADAR WAVEFORM



Traffic



Channel Loading

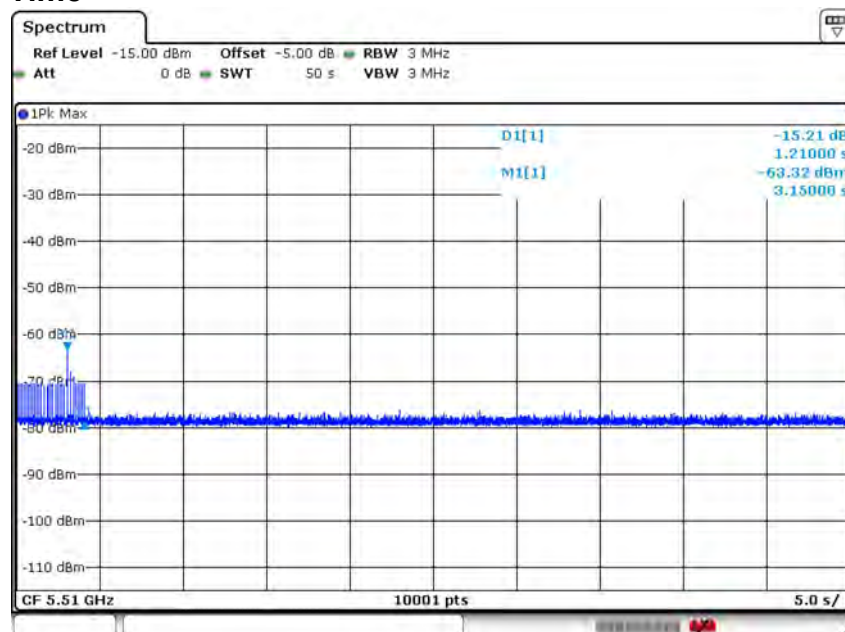


The level of traffic loading on the channel by the EUT is 15.28%

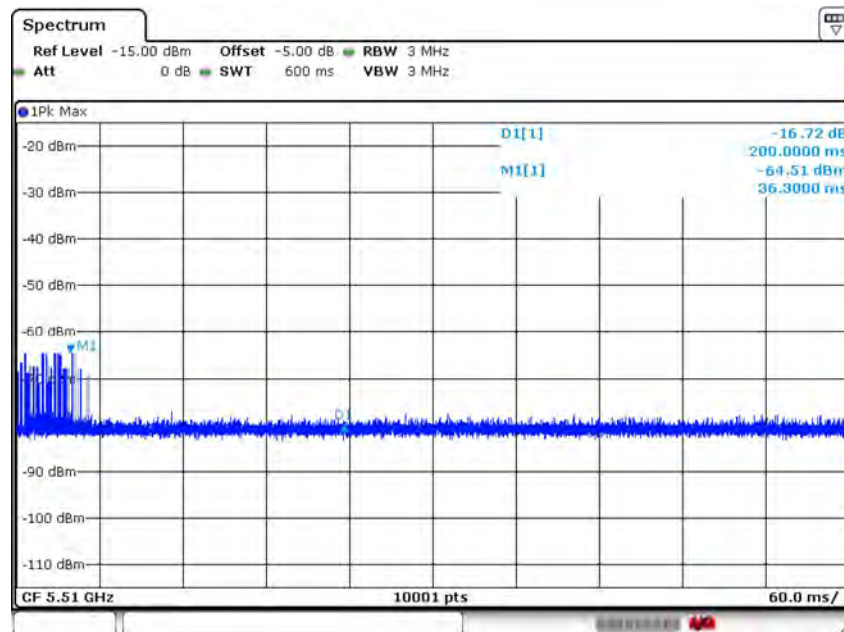
Channel Move Time (sec)	Limit (sec)
1.210	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
16	60

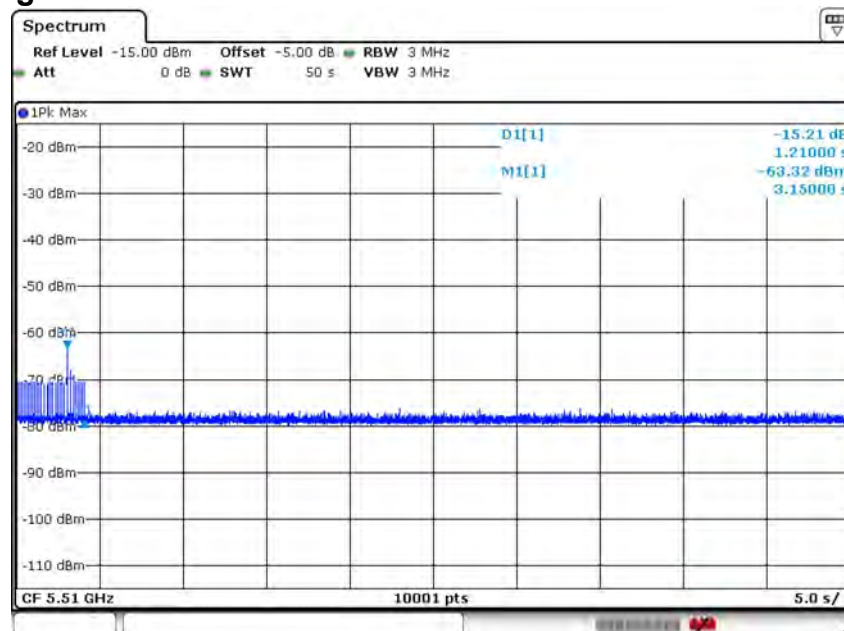
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

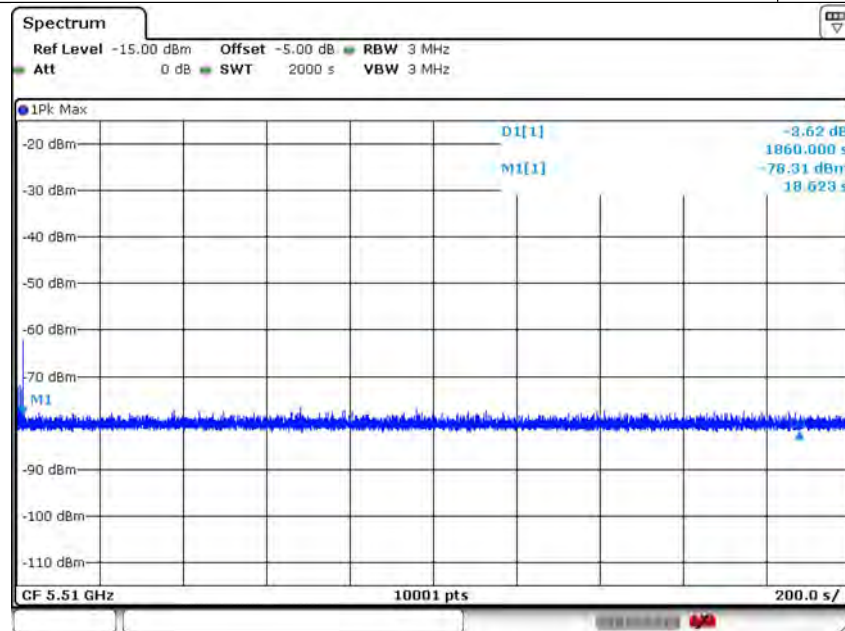


Note: $T1 = M1 + 200ms = 3.350s$, $T2 = T1 + 10s = 13.350s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 16ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

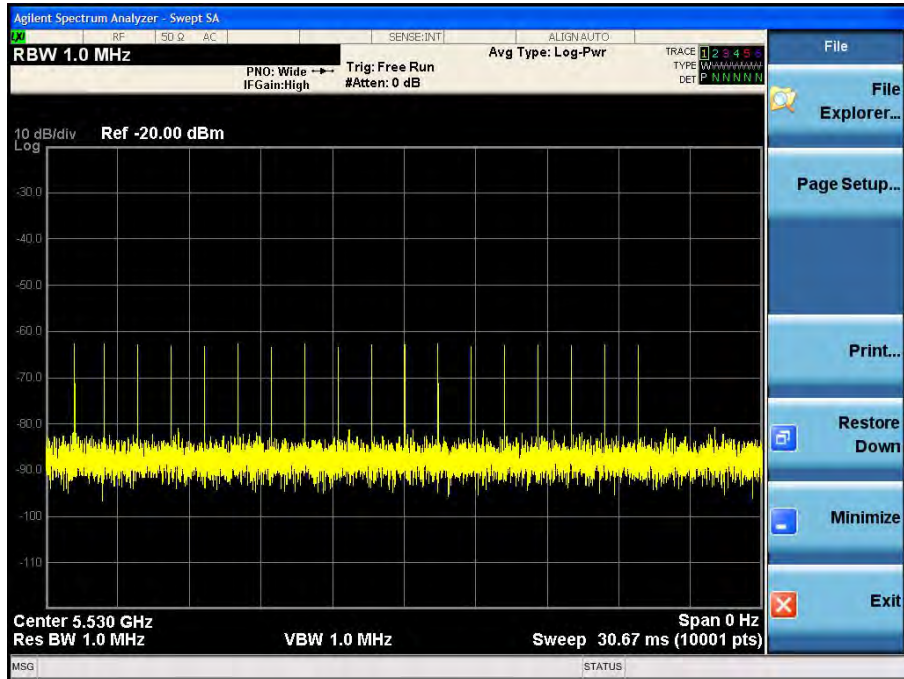
Non-occupancy Period (sec)	Limit (sec)
1860	1800



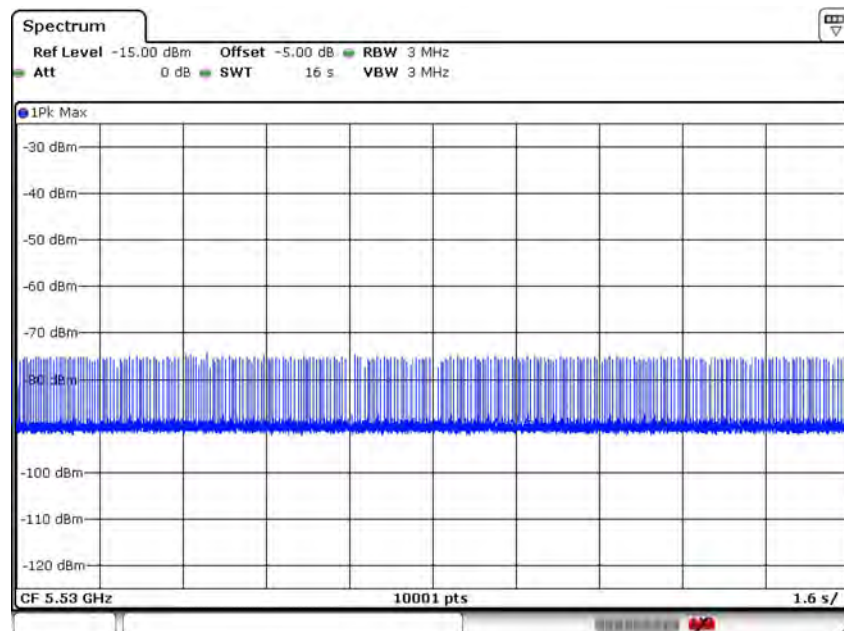
CLIENT MODE RESULTS FOR 80MHz BANDWIDTH 5470-5725MHz (802.11ac 80MHz)

Client devices with 80 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5530 MHz.

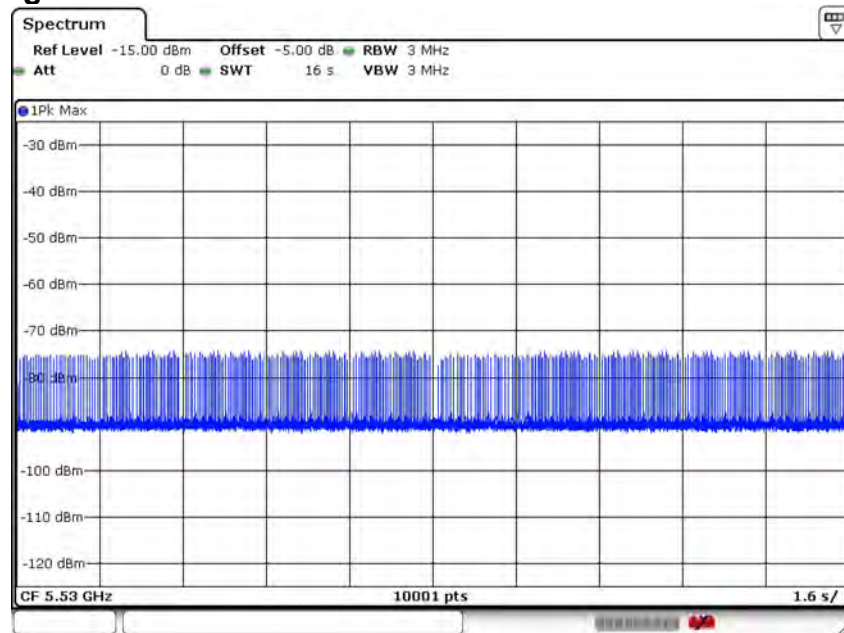
RADAR WAVEFORM



Traffic



Channel Loading

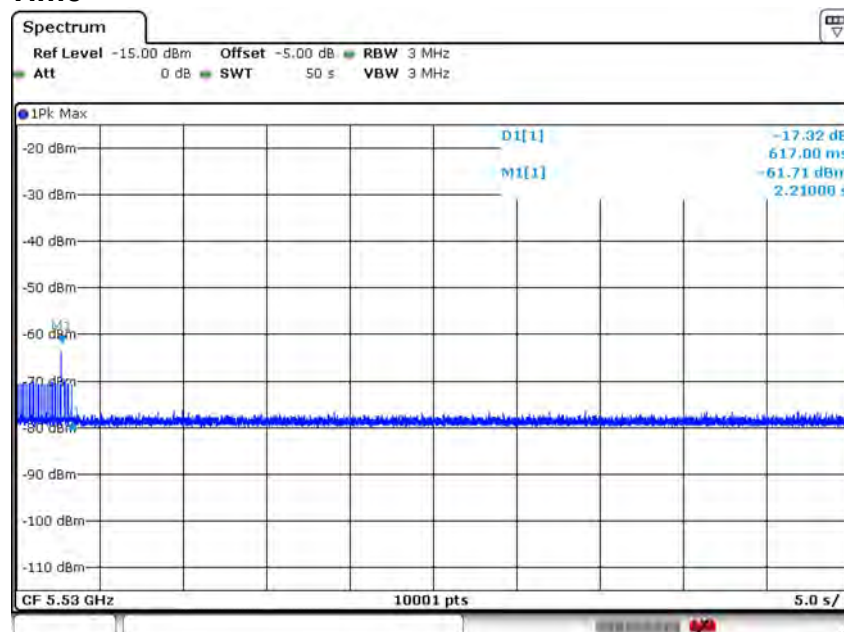


The level of traffic loading on the channel by the EUT is 15.69%

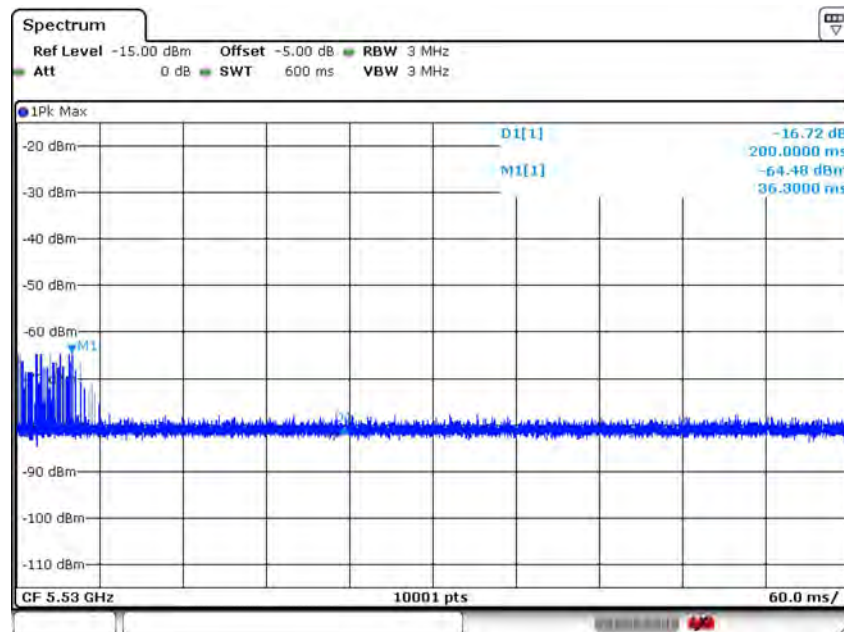
Channel Move Time (sec)	Limit (sec)
0.617	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
11	60

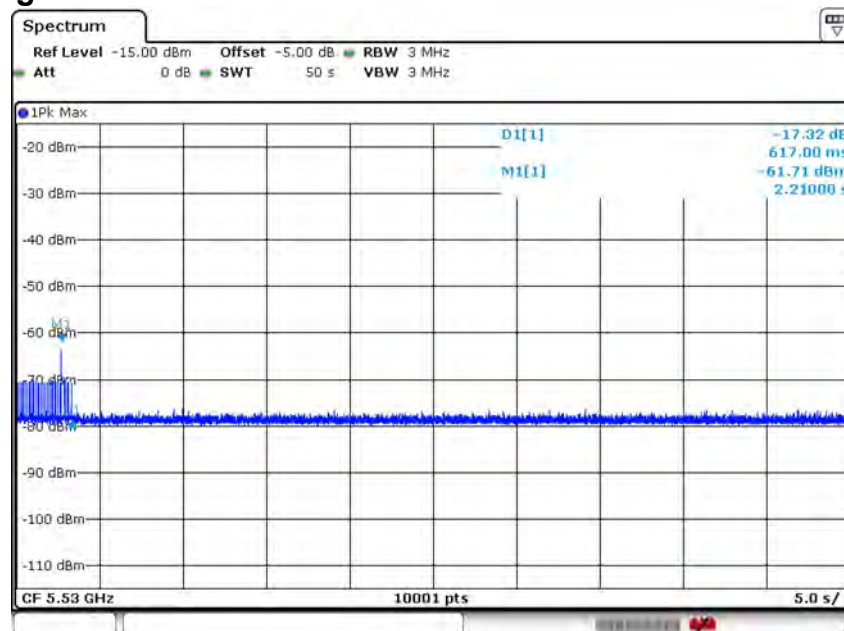
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

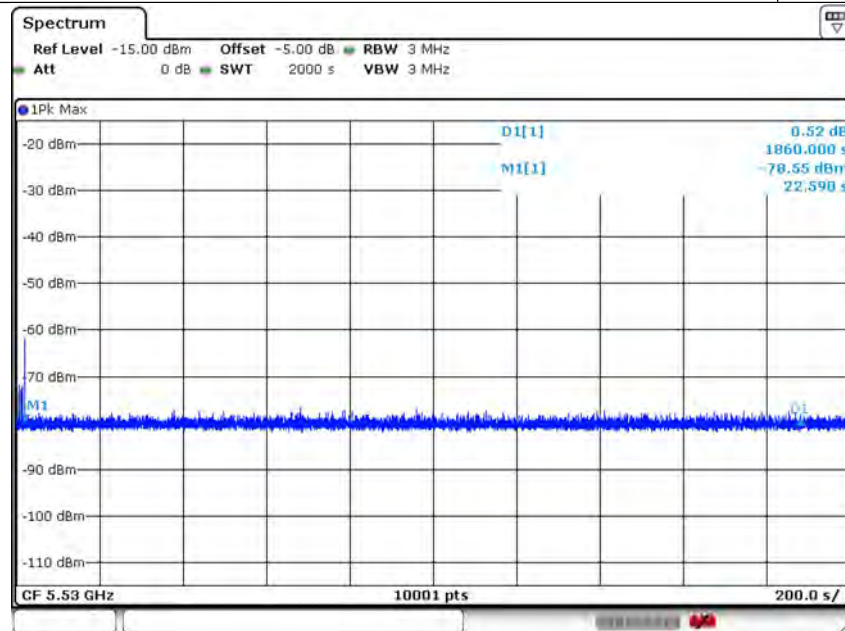


Note: $T1 = M1 + 200ms = 2.410s$, $T2 = T1 + 10s = 12.410s$;
Channel Closing Transmission Time=Aggregate time above threshold between T1 and T2
(trace data time) = 11ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

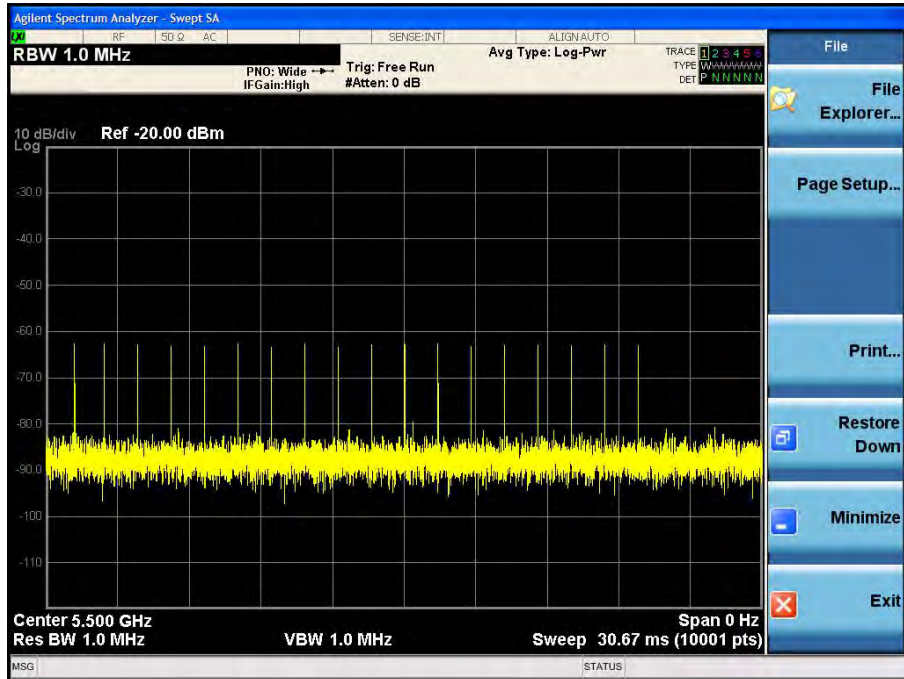
Non-occupancy Period (sec)	Limit (sec)
1860	1800



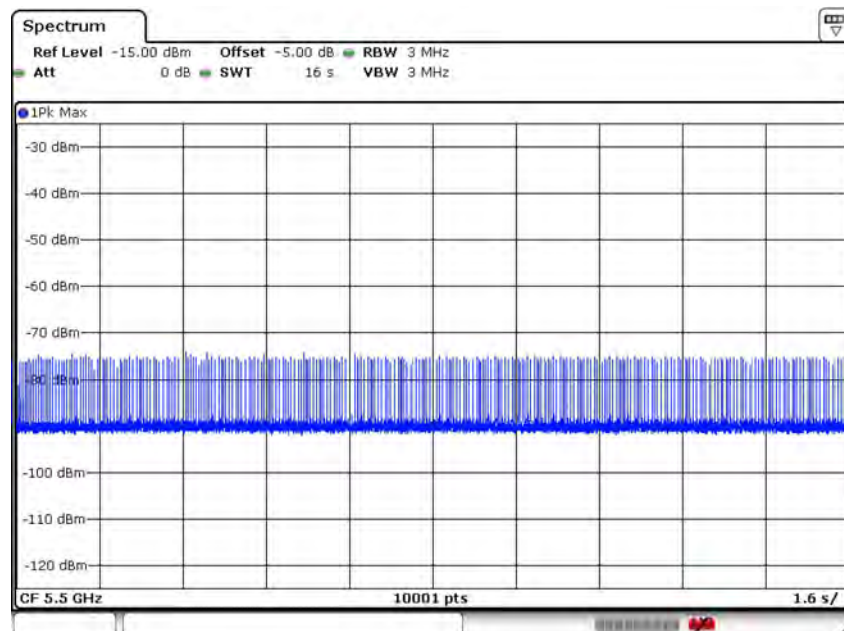
CLIENT MODE RESULTS FOR 20MHz BANDWIDTH 5470-5725MHz (802.11 n 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5500 MHz.

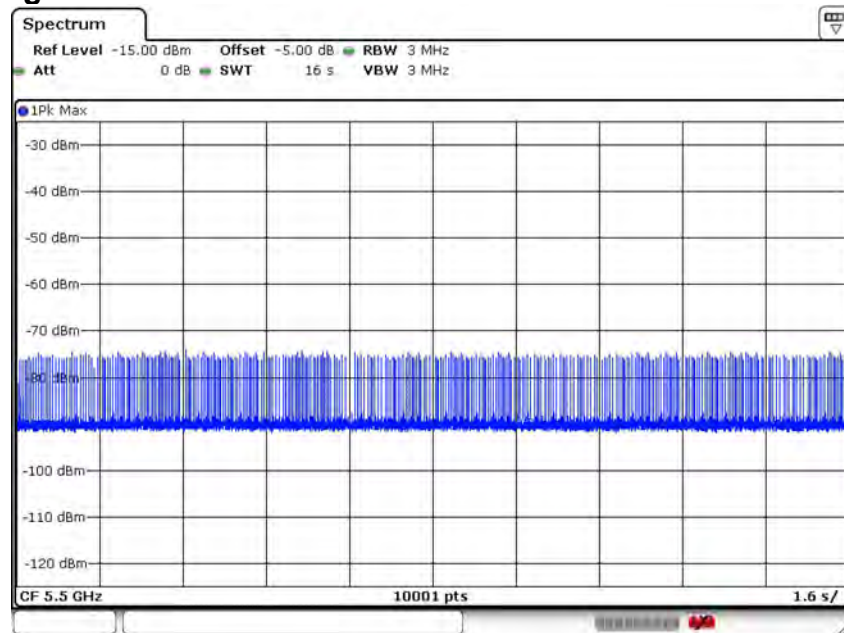
RADAR WAVEFORM



Traffic



Channel Loading

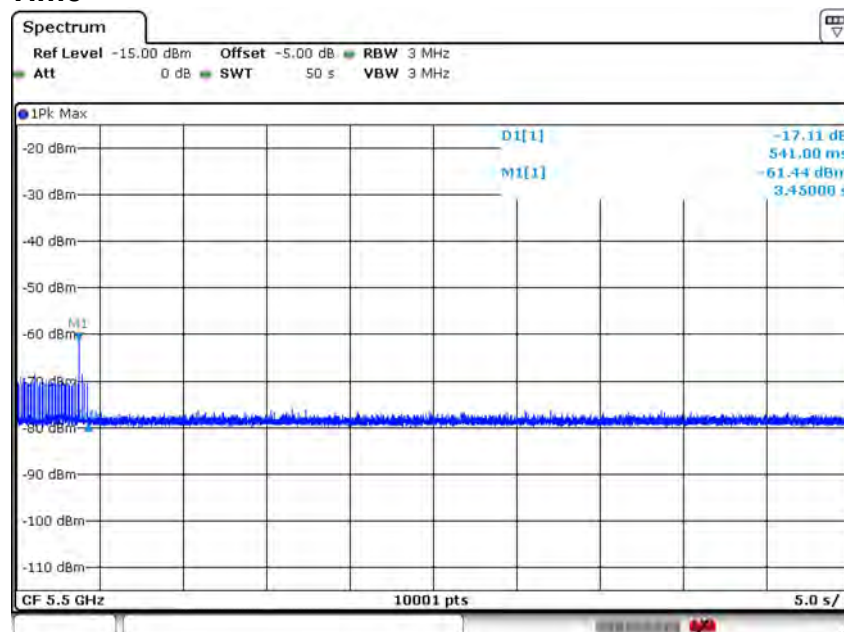


The level of traffic loading on the channel by the EUT is 14.62%

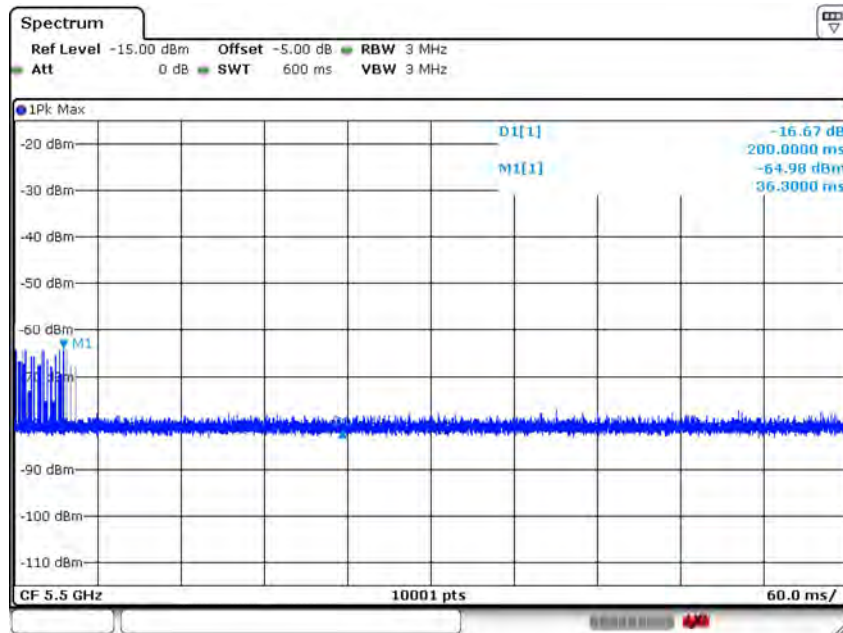
Channel Move Time (sec)	Limit (sec)
0.541	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
6	60

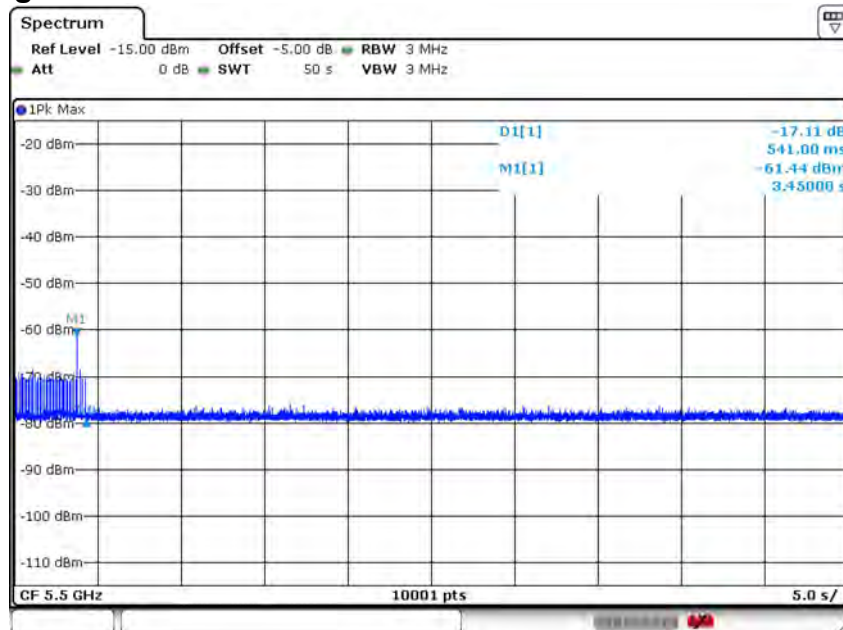
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

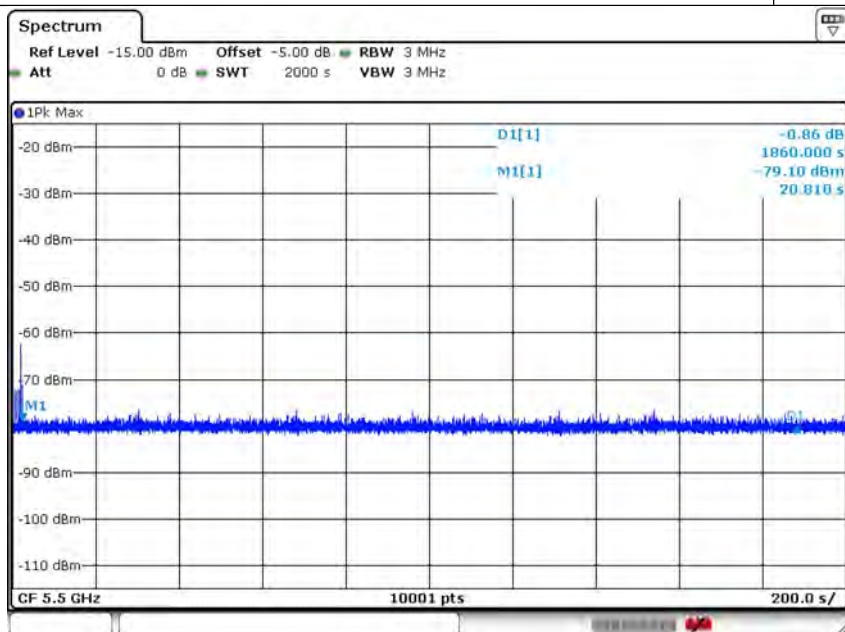


Note: $T1 = M1 + 200\text{ms} = 3.650\text{s}$, $T2 = T1 + 10\text{s} = 13.650\text{s}$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 6ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

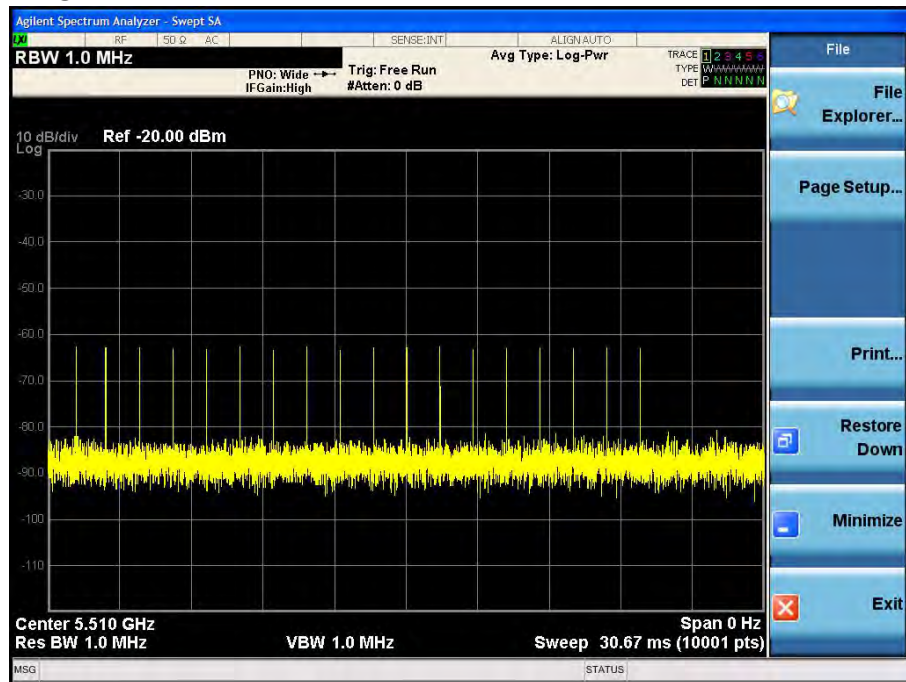
Non-occupancy Period (sec)	Limit (sec)
1860	1800



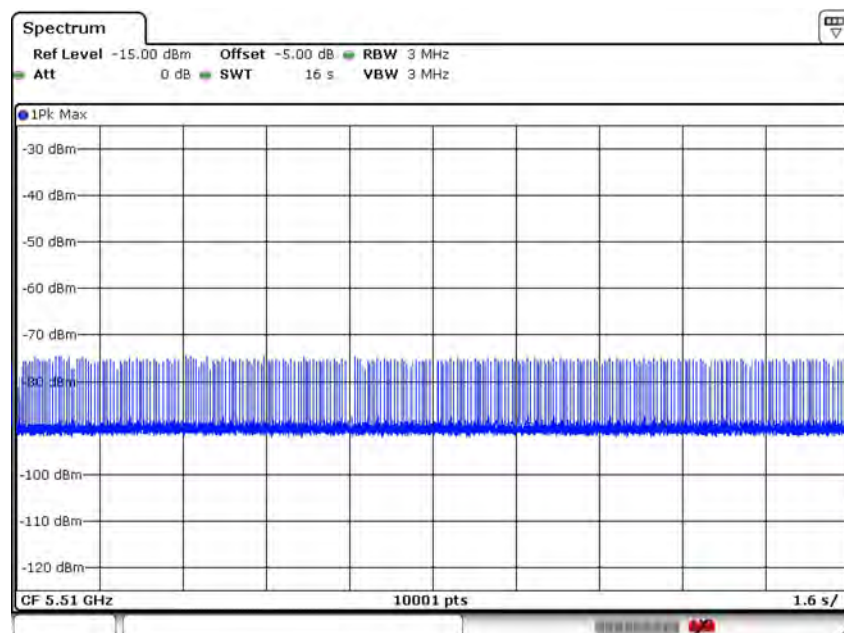
CLIENT MODE RESULTS FOR 40MHz BANDWIDTH 5470-5725MHz (802.11 n 40MHz)

Client devices with 40 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode in 5510 MHz.

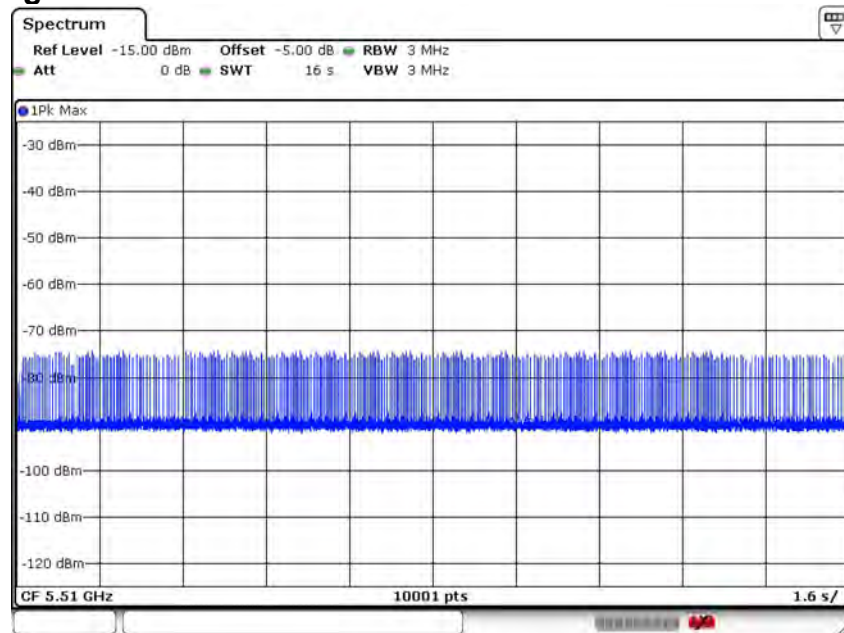
RADAR WAVEFORM



Traffic



Channel Loading

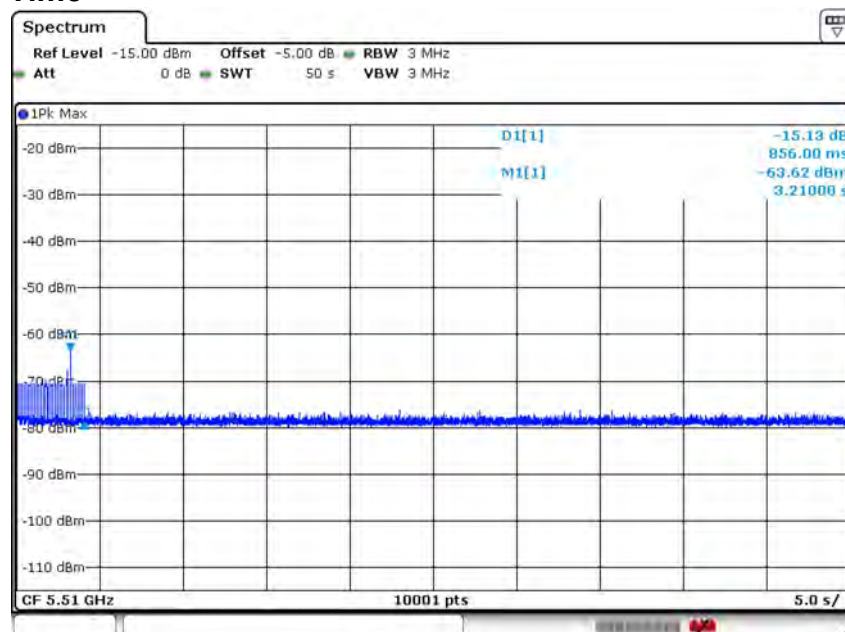


The level of traffic loading on the channel by the EUT is 16.32%

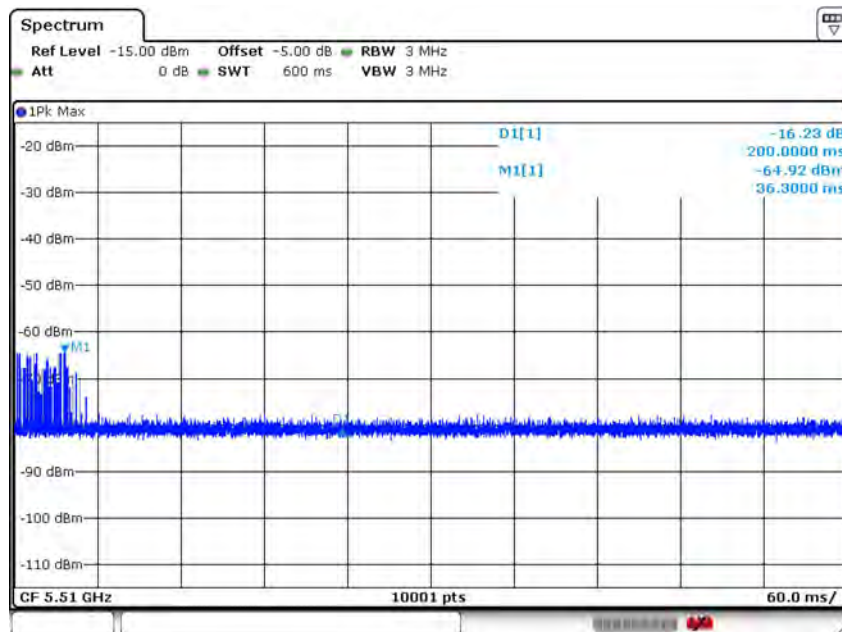
Channel Move Time (sec)	Limit (sec)
0.856	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
14	60

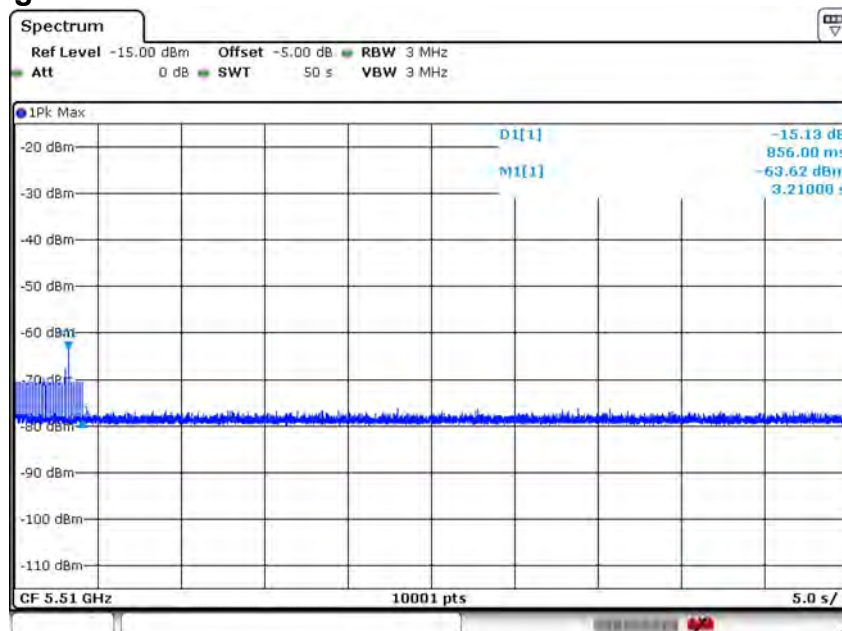
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

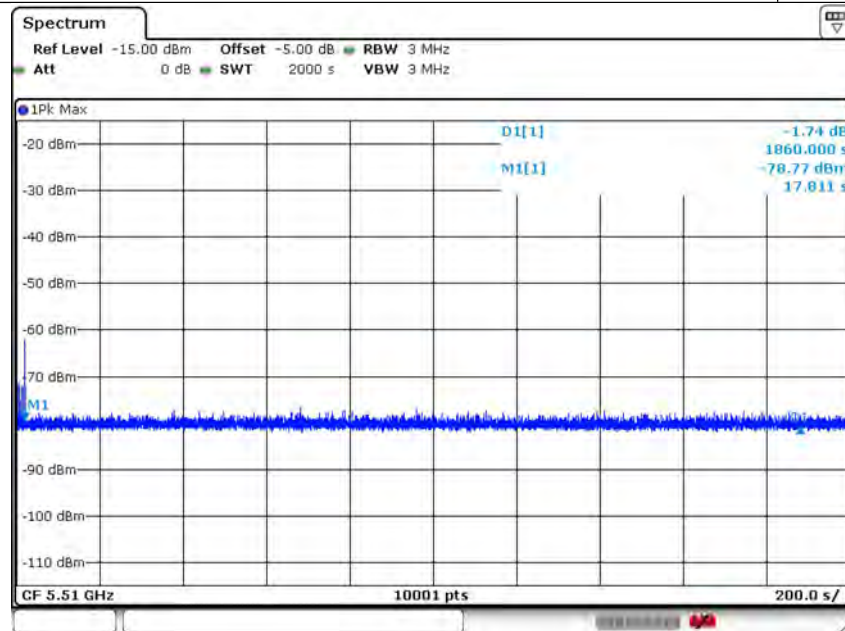


Note: $T1 = M1 + 200ms = 3.410s$, $T2 = T1 + 10s = 13.410s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 14ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

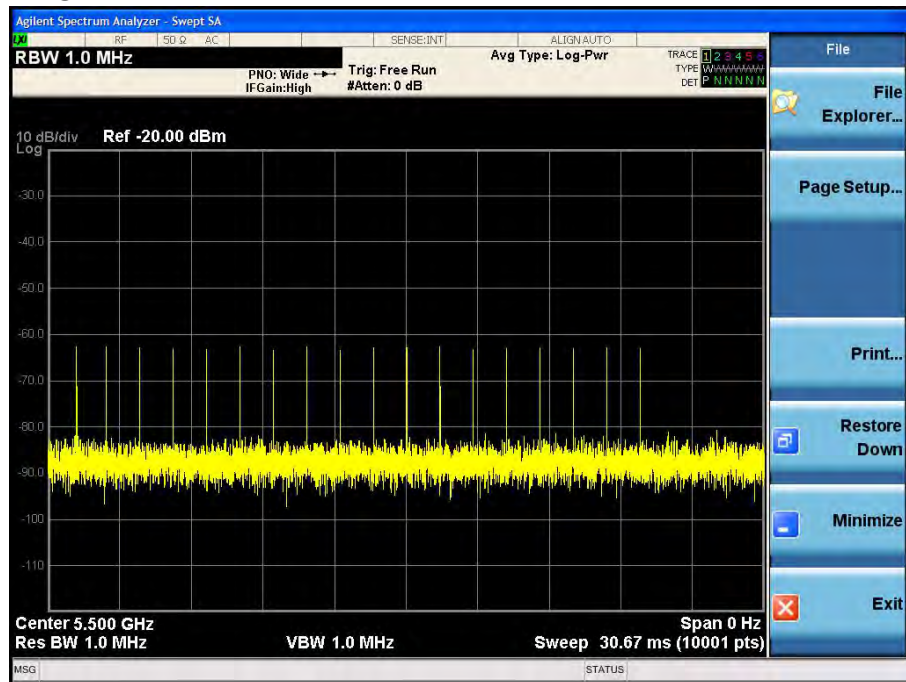
Non-occupancy Period (sec)	Limit (sec)
1860	1800



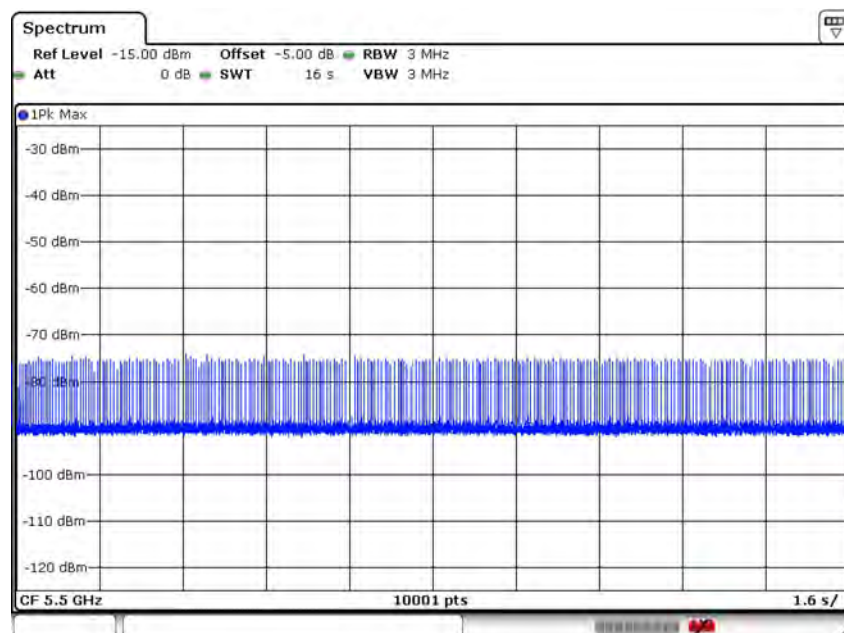
CLIENT MODE RESULTS FOR 20MHz BANDWIDTH 5470-5725MHz (802.11a 20MHz)

Client devices with 20 MHz BW mode can be tested with an approved master operating in 20 MHz BW mode in 5500 MHz.

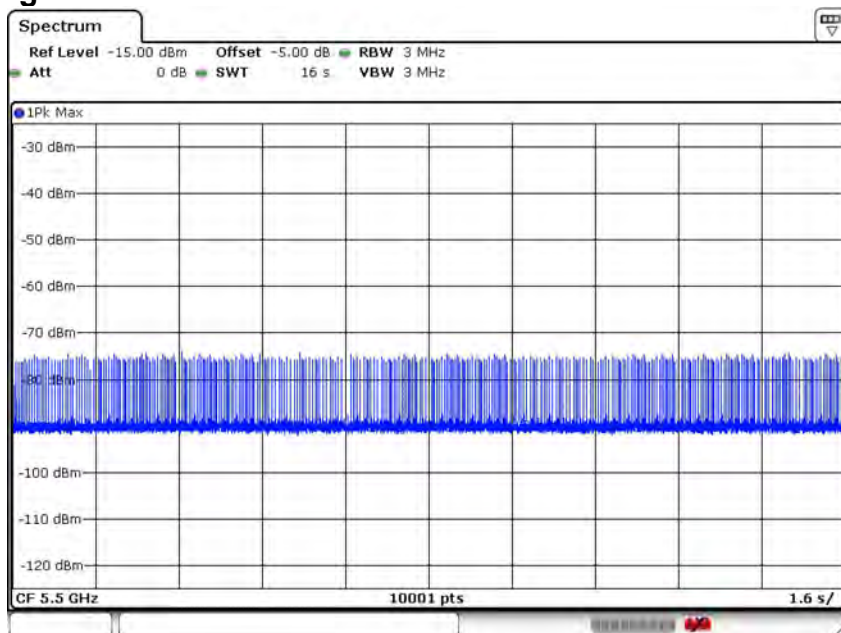
RADAR WAVEFORM



Traffic



Channel Loading

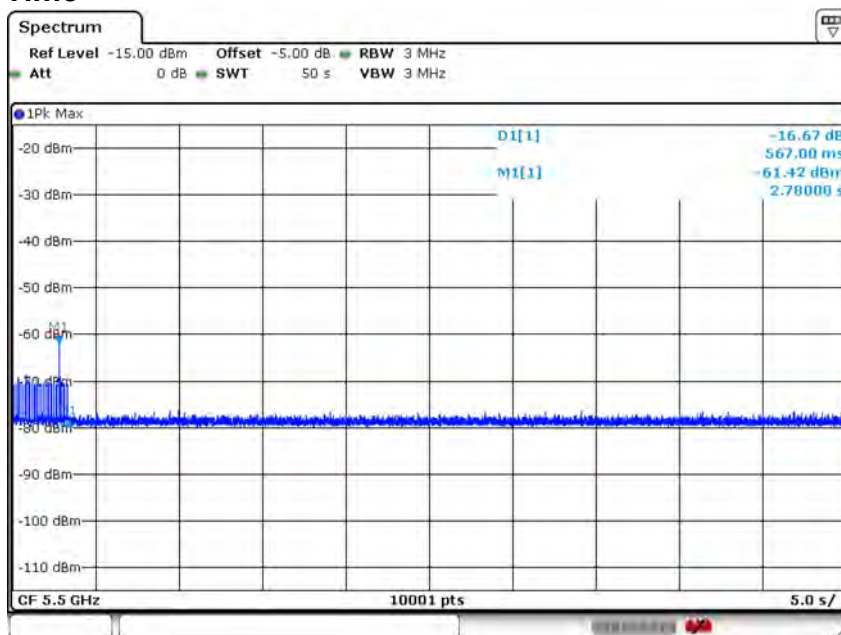


The level of traffic loading on the channel by the EUT is 15.36%

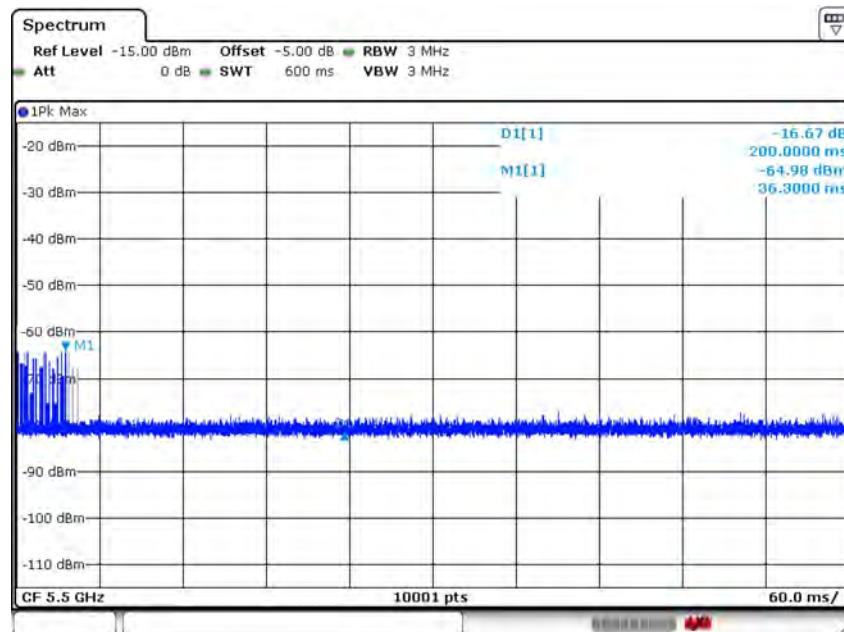
Channel Move Time (sec)	Limit (sec)
0.567	10.0

Channel Closing Transmission Time (msec)	Limit (msec)
13	60

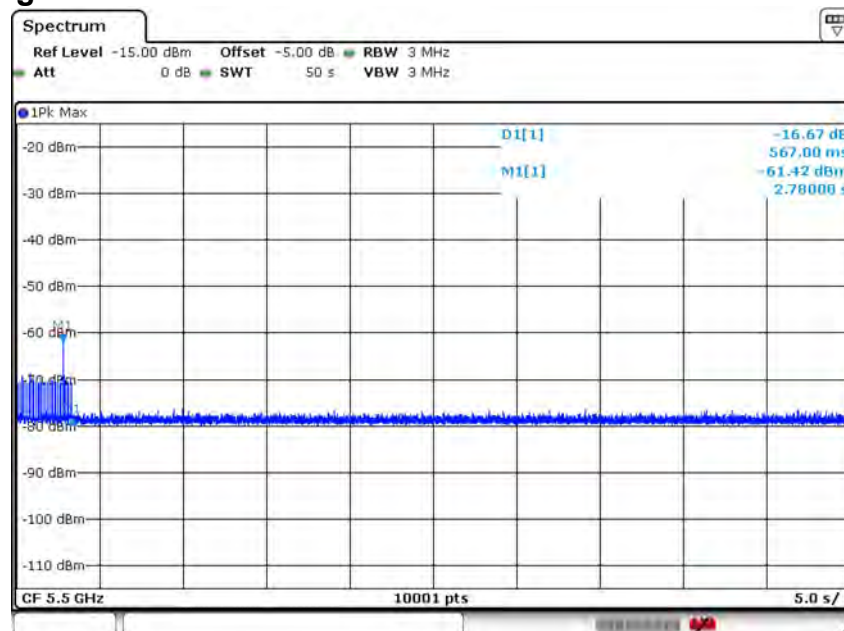
Channel Move Time



Channel Closing Time



Channel Closing Transmission Time

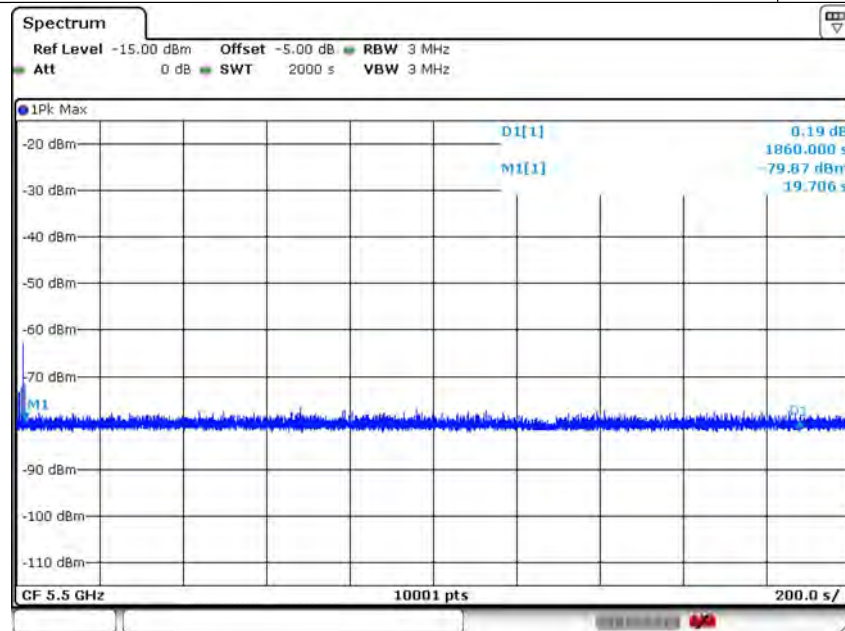


Note: $T1 = M1 + 200ms = 2.980s$, $T2 = T1 + 10s = 12.980s$;
Channel Closing Transmission Time = Aggregate time above threshold between T1 and T2
(trace data time) = 13ms

Non-occupancy Period

The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes.

Non-occupancy Period (sec)	Limit (sec)
1860	1800



APPENDIX B – TEST DATA OF RADIATED EMISSION

Spurious Radiated Emissions

Peak detector: RBW=1MHz,VBW=3MHz,sweep time=200ms;
Average detector: RBW=1MHz,VBW=3MHz,sweep time=auto;

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	103.32	56.42	N/A	N/A	12.4	34.5
2	5150	54.35	7.45	19.65	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	98.67	51.77	N/A	N/A	12.40	34.50
2	5150	53.78	6.88	20.22	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	97.19	50.29	N/A	N/A	12.4	34.5
2	5150	40.86	-6.04	13.14	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
Polarity: Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5180	92.49	45.59	N/A	N/A	12.4	34.5
2	5150	40.3	-6.48	13.74	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.: 48
Test Mode: 802.11a
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5240	104.24	57.34	N/A	N/A	12.4	34.5
2	5270	54.39	7.49	19.61	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.: 48
Test Mode: 802.11a
Polarity: Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5240	99.88	52.98	N/A	N/A	12.4	34.5
2	5270	53.52	6.46	20.48	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5240	97.79	50.89	N/A	N/A	12.4	34.5
2	5270	40.18	-6.72	13.82	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5240	93.11	46.21	N/A	N/A	12.4	34.5
2	5270	39.5	-7.38	14.48	54	12.4	34.5

Carrier frequency (MHz): 5550 MHz
Channel No.:110
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5550	109.09	61.49	N/A	N/A	12.9	34.7
2	5520	54.38	6.78	70.32	90	12.9	34.7

Carrier frequency (MHz): 5550 MHz
Channel No.:110
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5550	104.51	56.91	N/A	N/A	12.9	34.7
2	5520	54.02	6.42	70.68	90	12.9	34.7

Carrier frequency (MHz): 5700 MHz
Channel No.:140
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5700	108.69	61.09	N/A	N/A	12.9	34.7
2	5750	53.30	5.70	71.40	90	12.9	34.7

Carrier frequency (MHz): 5700 MHz
Channel No.:140
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5700	103.23	55.63	N/A	N/A	12.9	34.7
2	5750	53.21	5.61	71.49	90	12.9	34.7

Carrier frequency (MHz): 5190
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	104.30	57.40	N/A	N/A	12.4	34.5
2	5150	53.52	6.46	20.48	74	12.4	34.5

Carrier frequency (MHz): 5190
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	100.14	53.24	N/A	N/A	12.4	34.5
2	5150	54.47	7.57	19.53	74	12.4	34.5

Carrier frequency (MHz): 5190
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	97.88	50.98	N/A	N/A	12.4	34.5
2	5150	40.90	-6.00	13.10	54	12.4	34.5

Carrier frequency (MHz): 5190
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5190	93.64	46.74	N/A	N/A	12.4	34.5
2	5150	40.6	-6.31	13.41	54	12.4	34.5

Carrier frequency (MHz):5230
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5230	103.80	56.90	N/A	N/A	12.4	34.5
2	5270	54.38	7.48	19.62	74	12.4	34.5

Carrier frequency (MHz):5230
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5230	99.07	52.17	N/A	N/A	12.4	34.5
2	5270	54.47	7.57	19.53	74	12.4	34.5

Carrier frequency (MHz):5230
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity: Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5230	97.53	50.63	N/A	N/A	12.4	34.5
2	5270	40.98	-5.92	13.02	54	12.4	34.5

Carrier frequency (MHz):5230
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5230	93.23	46.33	N/A	N/A	12.4	34.5
2	5270	40.6	-6.35	13.45	54	12.4	34.5

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	cable loss (dB)	antenna factor (dB)
1	5745	109.05	61.45	N/A	N/A	12.9	34.7
2	5725	54.11	6.51	70.59	90	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5745	104.55	56.95	N/A	N/A	12.9	34.7
2	5725	53.72	6.12	70.98	90	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	cable loss (dB)	antenna factor (dB)
1	5825	108.25	60.65	N/A	N/A	12.9	34.7
2	5850	53.14	5.54	71.56	90	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:165
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5825	103.42	55.82	N/A	N/A	12.9	34.7
2	5850	53.39	5.79	71.31	90	12.9	34.7

Carrier frequency (MHz): 5755
Channel No.:151
Test Mode: 802.11ac(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5755	108.44	60.84	N/A	N/A	12.9	34.7
2	5725	53.94	6.34	70.76	90	12.9	34.7

Carrier frequency (MHz): 5755
Channel No.:151
Test Mode: 802.11ac(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5755	103.62	56.02	N/A	N/A	12.9	34.7
2	5725	54.33	6.73	70.37	90	12.9	34.7

Carrier frequency (MHz): 5795
Channel No.:159
Test Mode: 802.11ac(HT40)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	107.92	60.32	N/A	N/A	12.9	34.7
2	5825	107.92	60.32	N/A	N/A	12.9	34.7

Carrier frequency (MHz): 5795
Channel No.: 159
Test Mode: 802.11ac(HT40)
Polarity: Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5795	102.96	55.36	N/A	N/A	12.9	34.7
2	5825	53.75	6.15	70.95	90	12.9	34.7

Carrier frequency (MHz): 5775
Channel No.: 155
Test Mode: 802.11ac(HT80)
Polarity: Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5775	109.12	61.52	N/A	N/A	12.9	34.7
2	5825	54.47	6.87	70.23	90	12.9	34.7

Carrier frequency (MHz): 5775
Channel No.: 155
Test Mode: 802.11ac(HT80)
Polarity: Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	5775	104.67	57.07	N/A	N/A	12.9	34.7
2	5825	54.07	6.47	70.63	90	12.9	34.7

For 802.11a

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity
31.96	23.50	19.7	3.8	Vertical
47.95	26.20	10.2	16.0	Vertical
86.11	25.40	11.8	13.6	Vertical
419.83	22.20	19.8	2.4	Horizontal
539.07	22.30	22.4	-0.1	Vertical
877.75	27.30	27.9	-0.6	Vertical

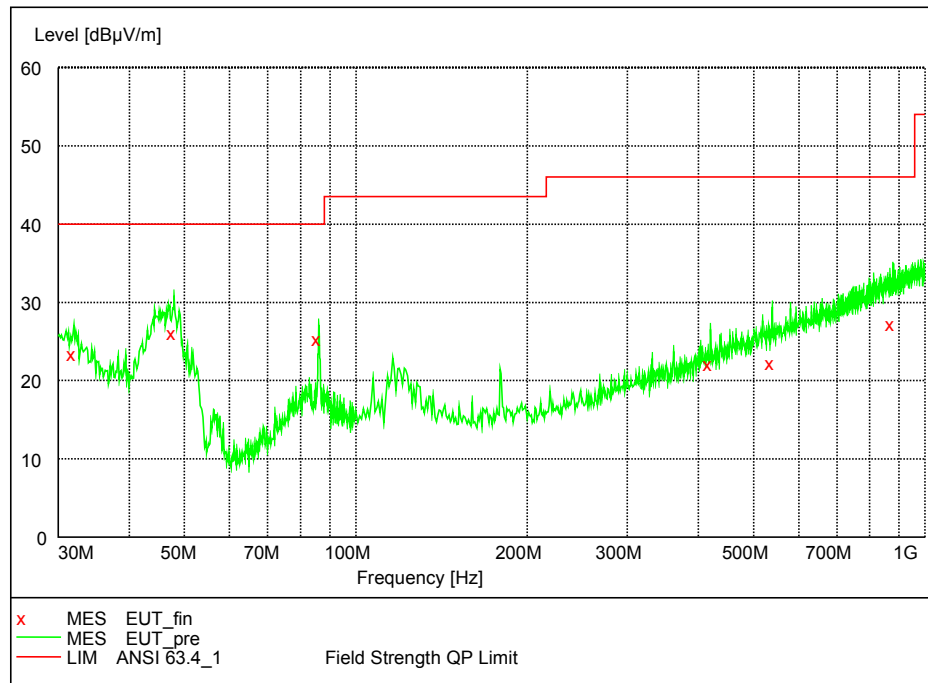
For 802.11n(HT20)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity
30.28	20.50	20.7	-0.2	Vertical
45.71	23.50	11.5	12.0	Vertical
86.11	24.80	11.8	13.0	Vertical
419.83	24.20	19.8	4.4	Horizontal
539.07	21.70	22.4	-0.7	Vertical
942.88	28.40	28.7	-0.3	Vertical

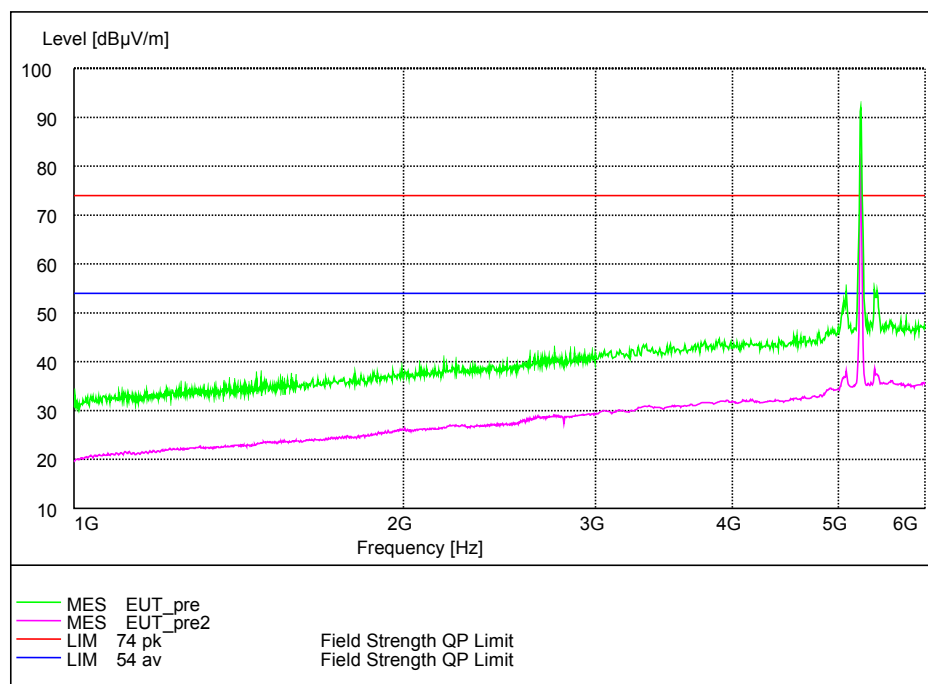
For 802.11ac(HT20)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity
30.28	20.30	20.7	-0.4	Vertical
47.39	22.10	10.5	11.6	Vertical
86.25	24.40	11.8	12.6	Vertical I
486.37	19.90	21.3	-1.4	Horizontal
546.09	21.30	22.6	-1.3	Vertical
891.78	27.50	28.1	-0.6	Vertical

Carrier frequency (MHz): 5200
Channel No.:40

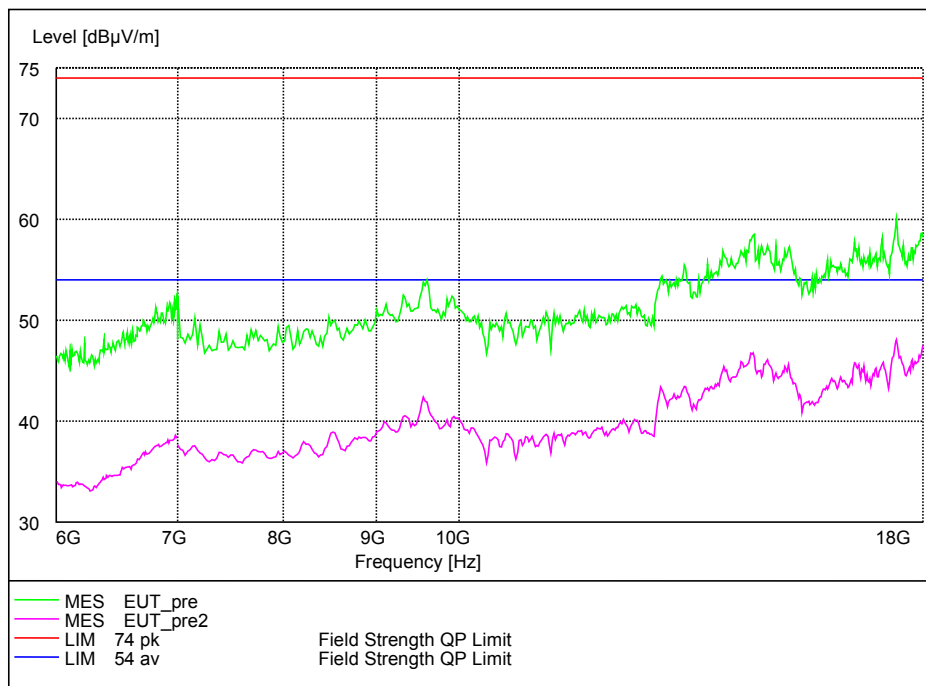


Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a

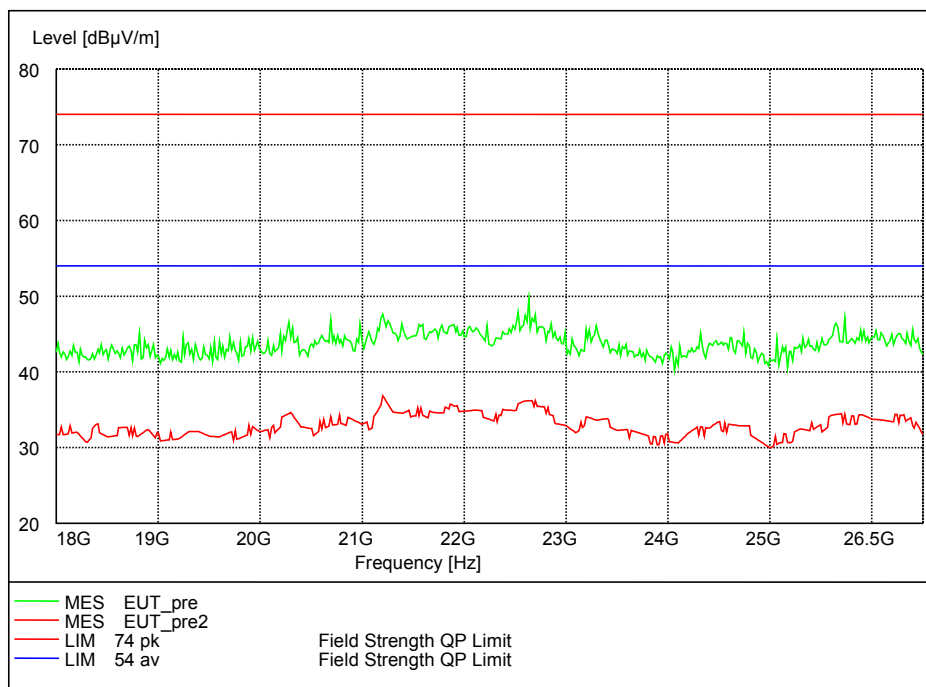


Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode

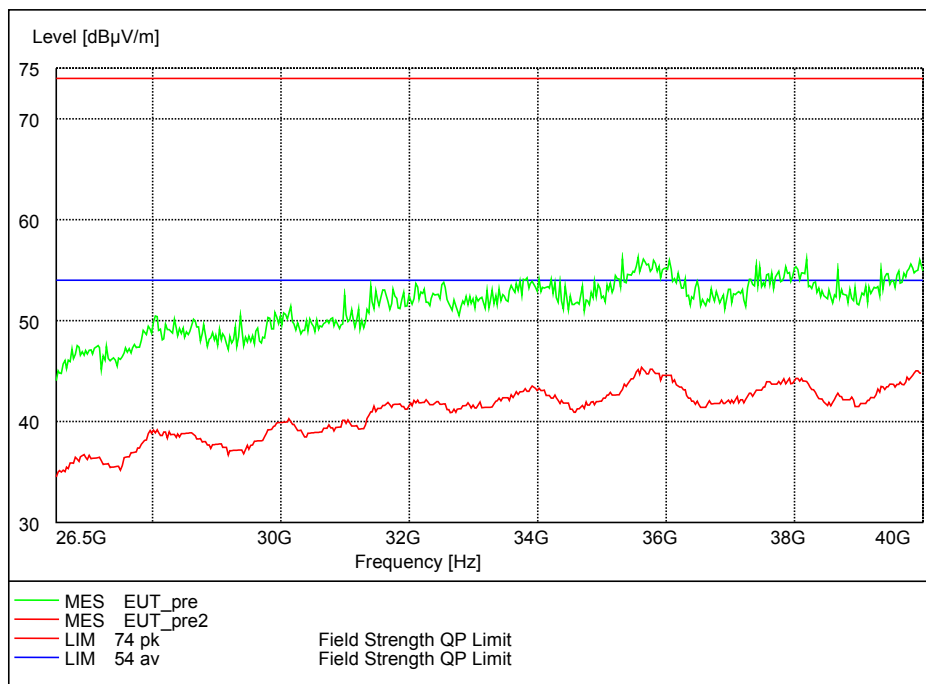
Modulation type: 802.11a



Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

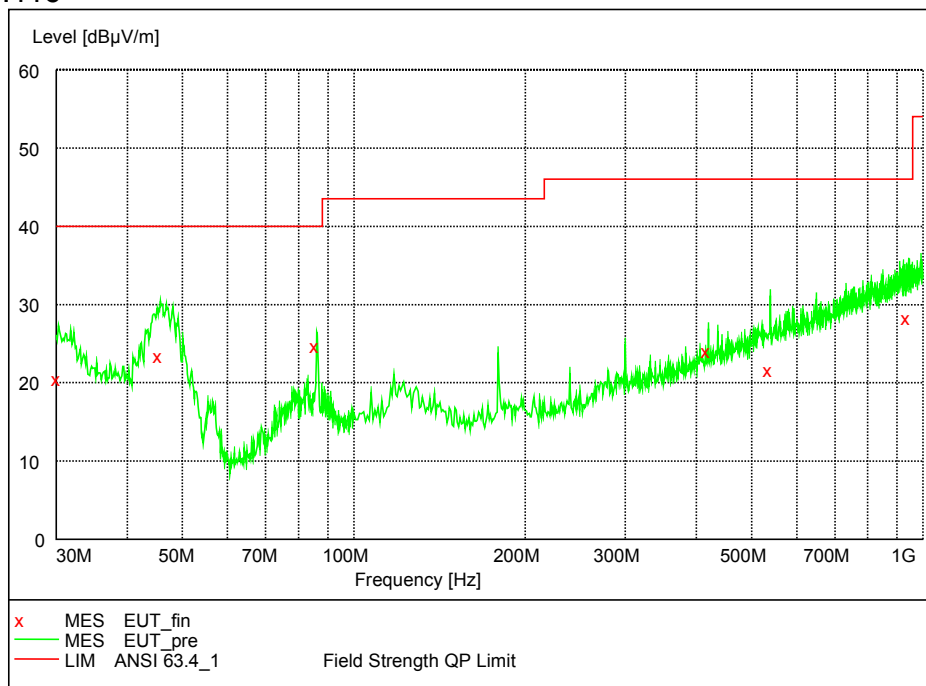


Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

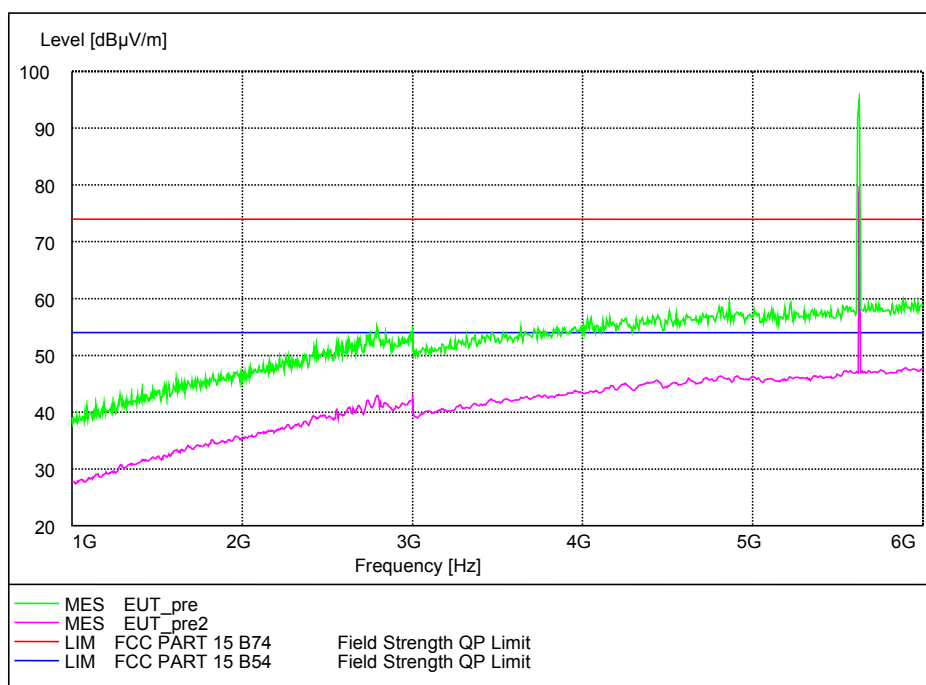


Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

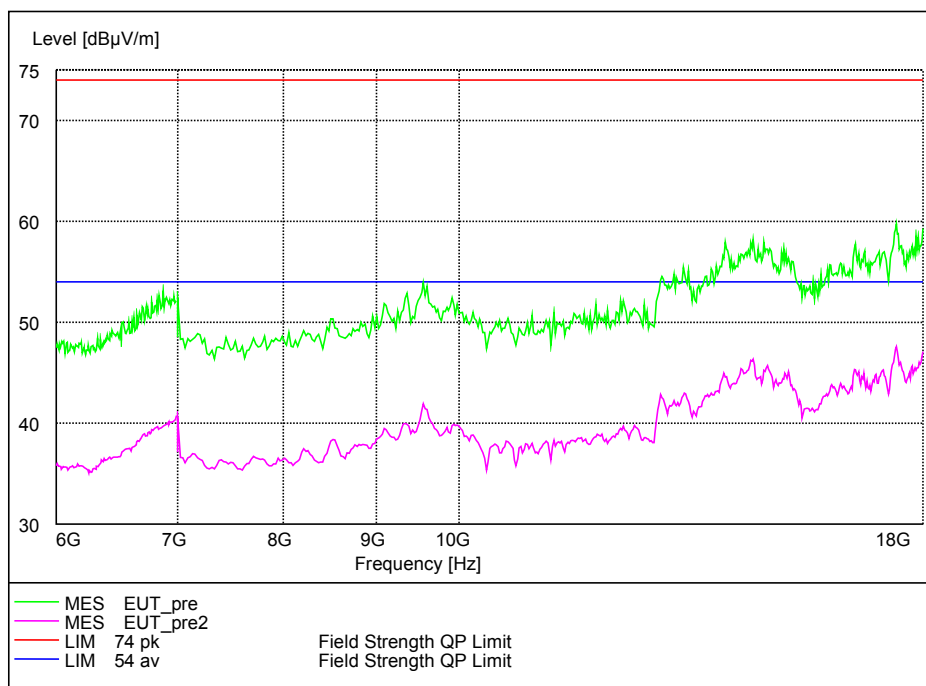
Carrier frequency (MHz): 5580
Channel No.:116



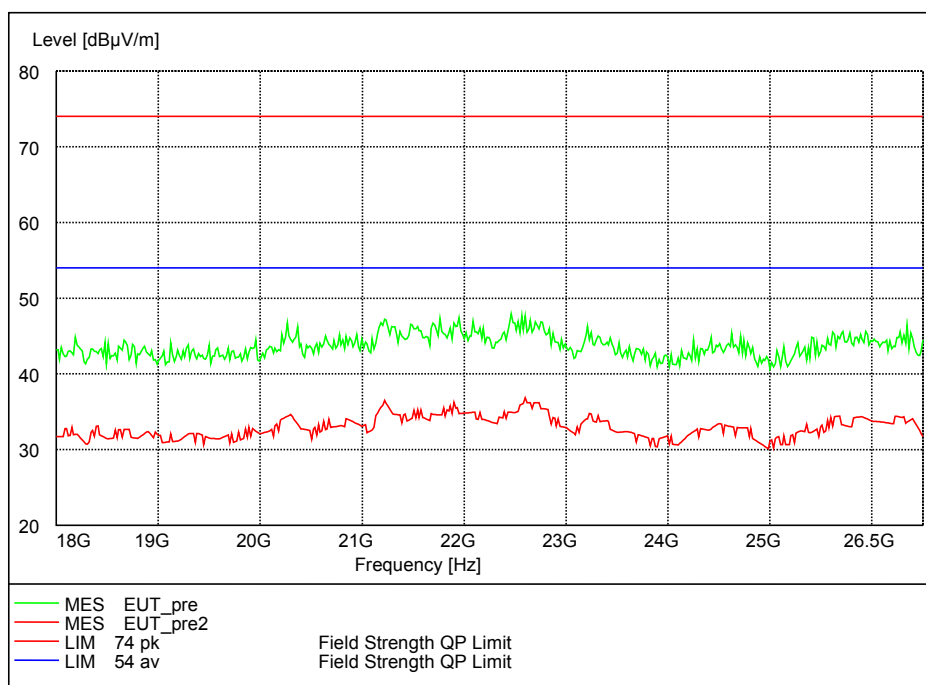
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



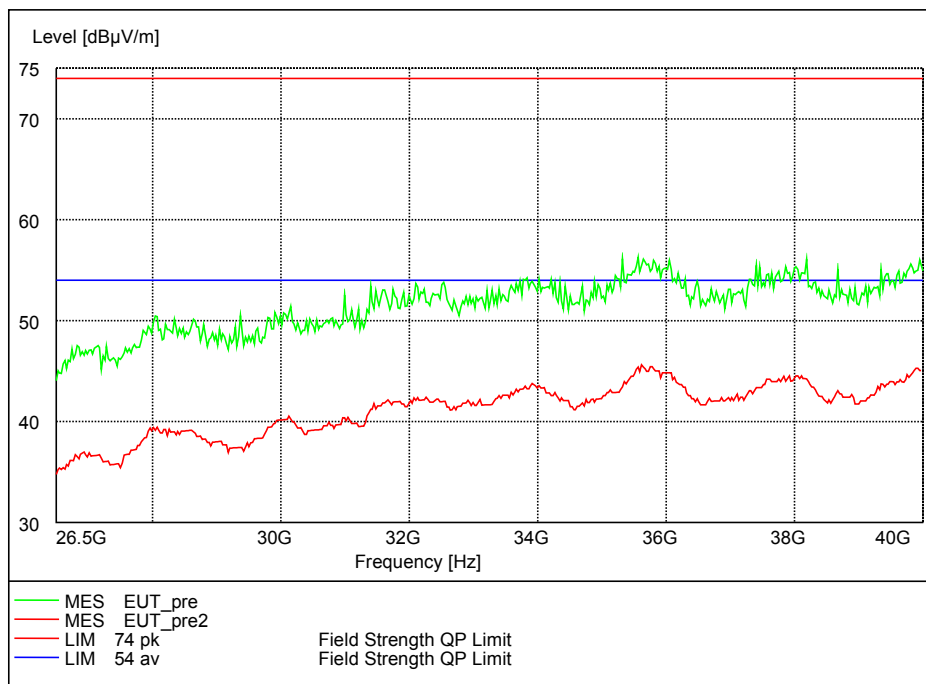
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

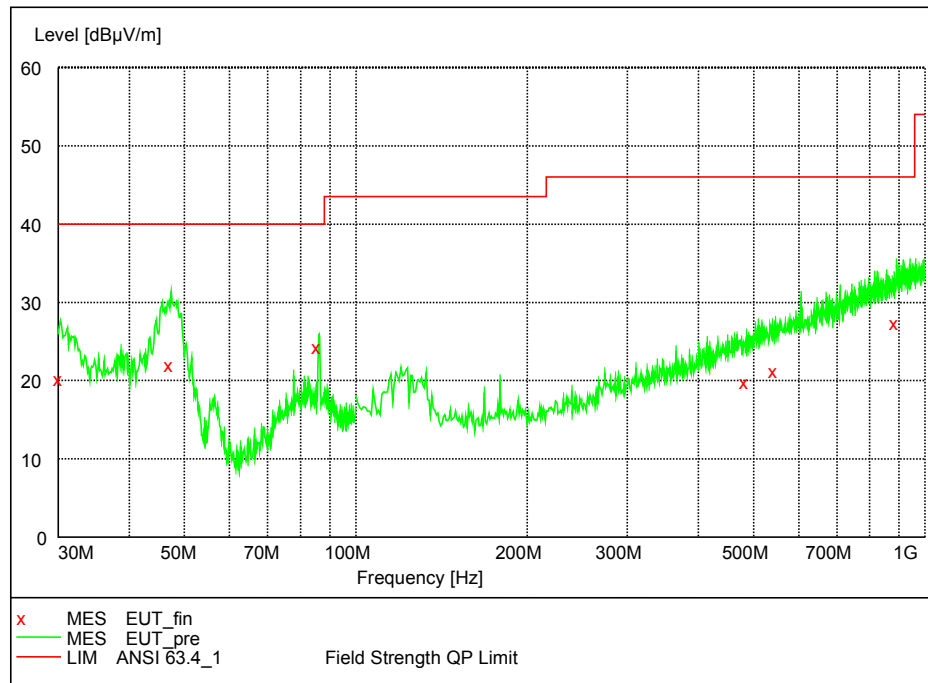


Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

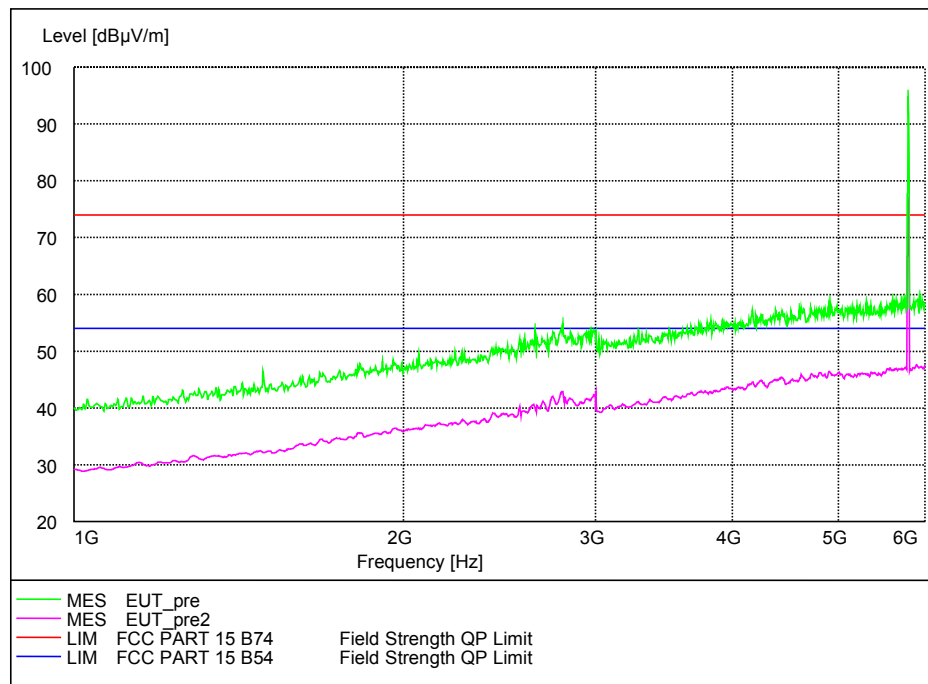


Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Carrier frequency (MHz): 5785
Channel No.:157

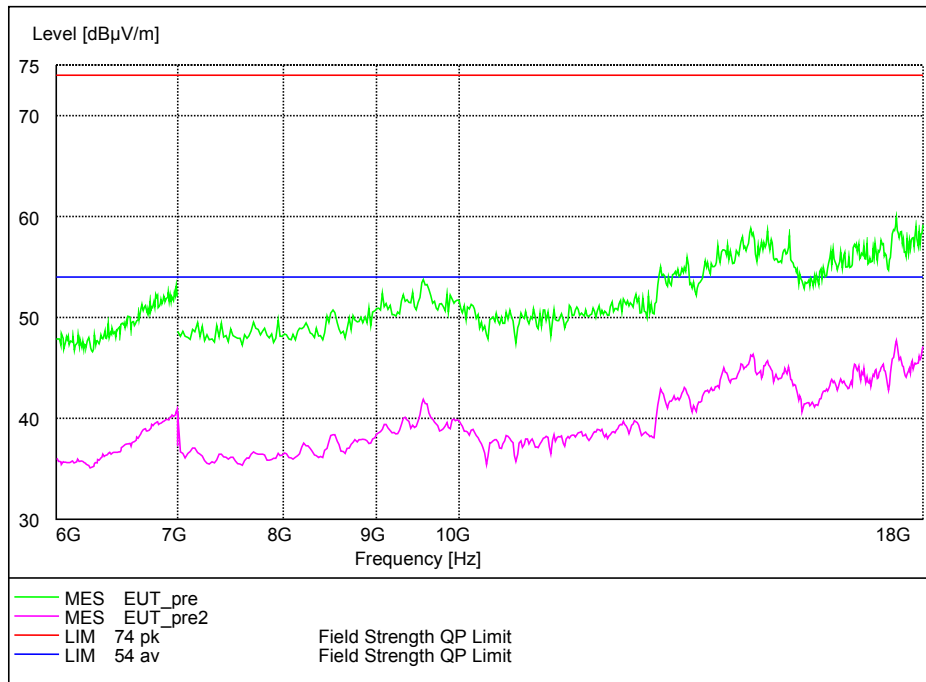


Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT40)

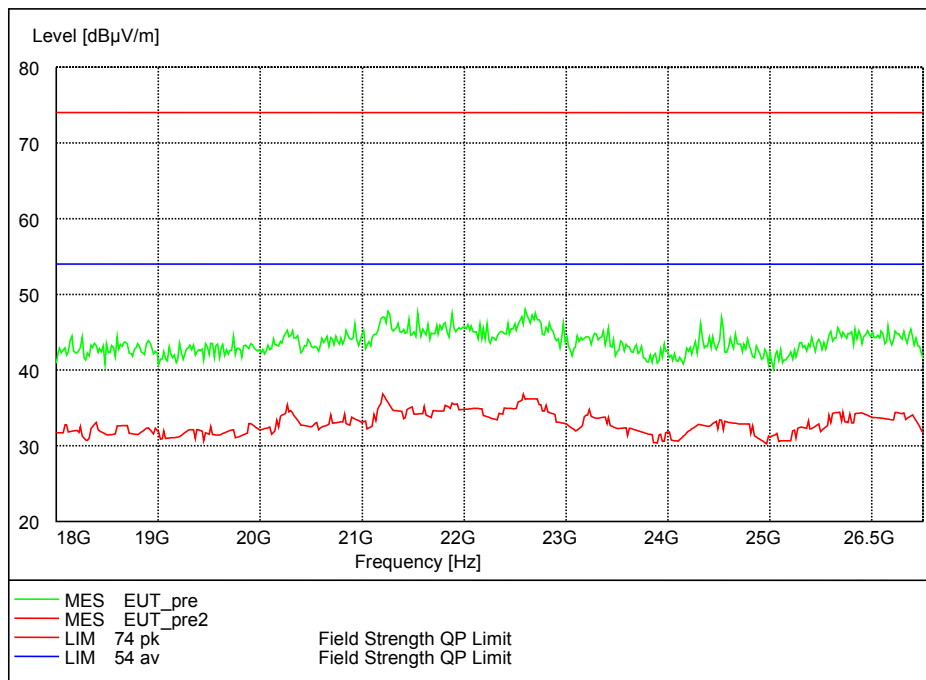


Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode

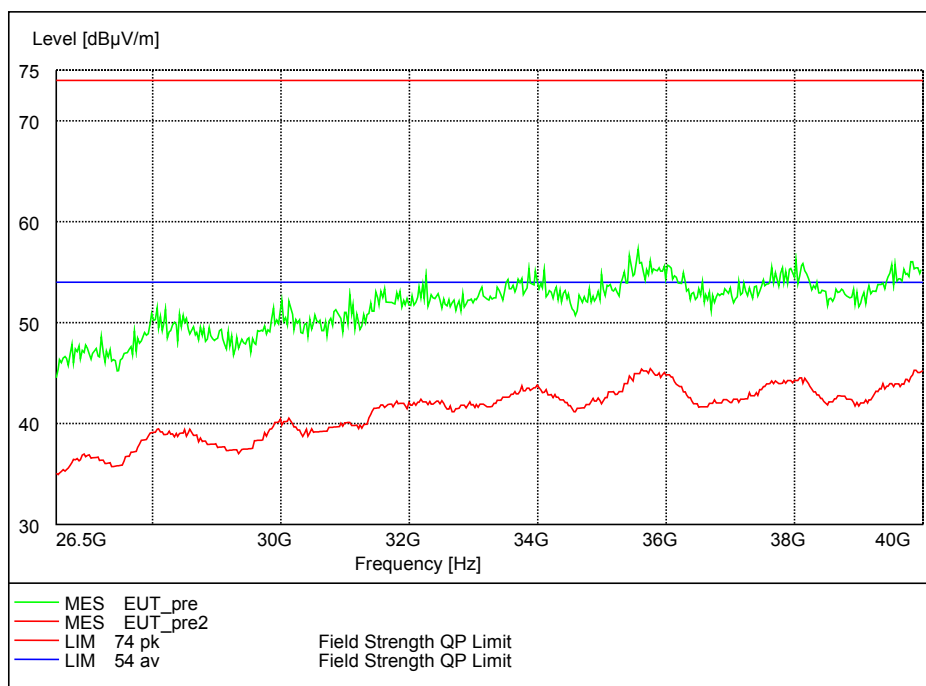
Modulation type: 802.11n(HT40)



Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode



Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode

AC Power line Conducted Emission



L Line

MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency MHz	QuasiPeak dBμV	Limit dBμV	Margin dB
0.154000	43.69	65.78	22.09
0.391000	36.83	58.04	21.21
1.435000	33.99	56.00	22.01
2.991000	28.78	56.00	27.22
5.335000	30.52	60.00	29.48
27.251000	46.98	60.00	13.02

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency MHz	Average dBμV	Limit dBμV	Margin dB
0.391000	31.19	48.04	16.85
1.435000	32.51	46.00	13.49
3.519000	32.94	46.00	13.06
5.351000	19.94	50.00	30.06
27.247000	33.29	50.00	16.71



N Line

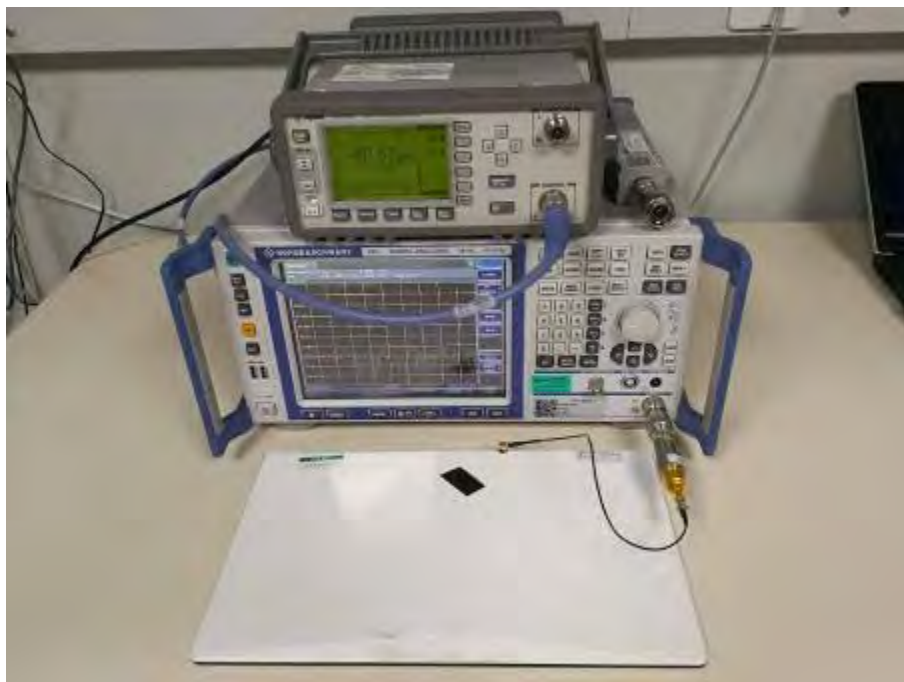
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency MHz	QuasiPeak dBμV	Limit dBμV	Margin dB
0.150000	42.92	66.00	23.08
0.391000	36.76	58.04	21.28
1.695000	35.00	56.00	21.00
3.251000	27.73	56.00	28.27
5.343000	25.39	60.00	34.61
27.299000	35.70	60.00	24.30

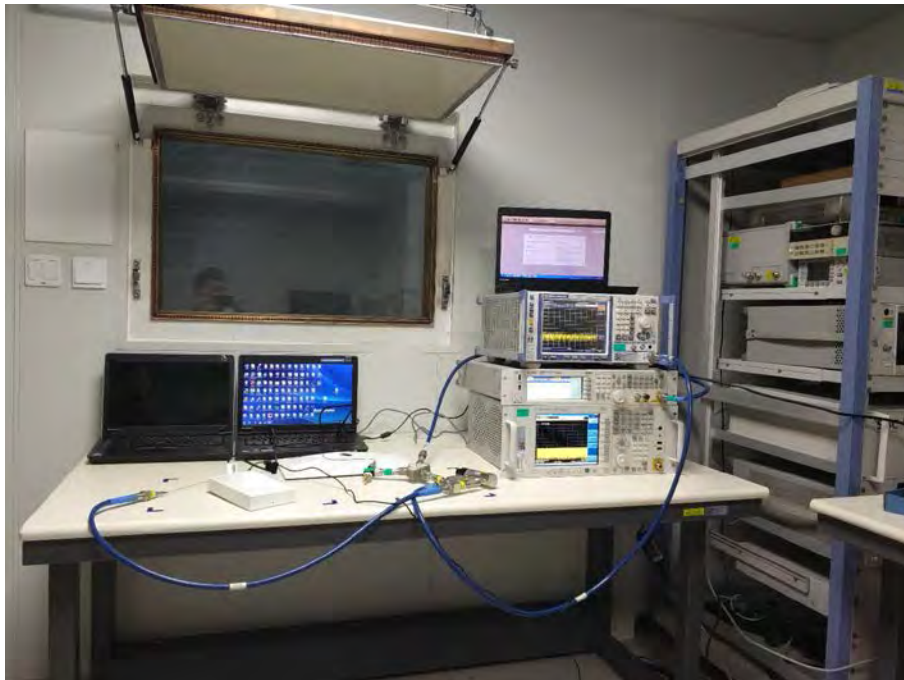
MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency MHz	Average dBμV	Limit dBμV	Margin dB
0.154000	34.86	55.78	20.92
0.655000	25.47	46.00	20.53
1.699000	33.34	46.00	12.66
3.251000	34.19	46.00	11.81
5.355000	28.16	50.00	21.84
27.243000	21.66	50.00	28.34

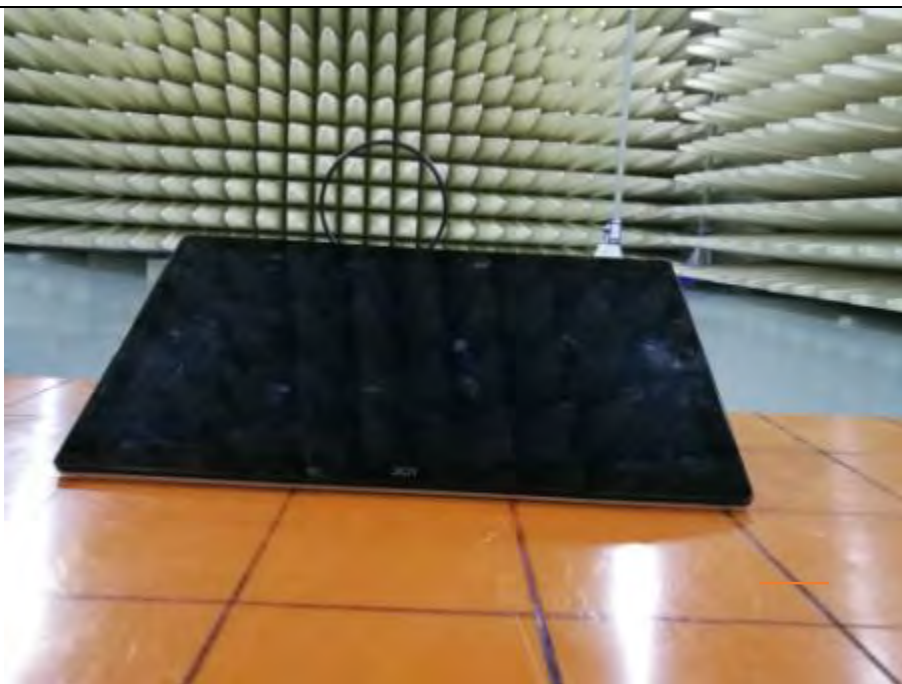
APPENDIX C – TEST SETUP



Spurious RF Conducted Emissions Test setup



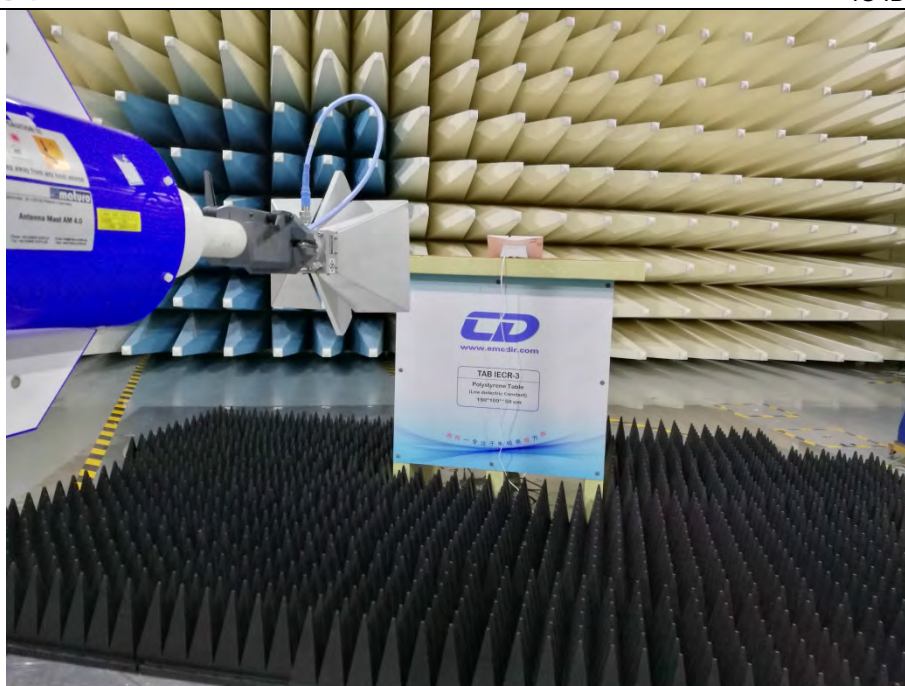
DFS Test setup



Spurious Radiated Emissions Test setup (below 30MHz)



Spurious Radiated Emissions Test setup (30MHz~1GHz)



Spurious Radiated Emissions Test setup (>1GHz)



Conducted Emissions Test Setup (with charger)

---End of Test Report---