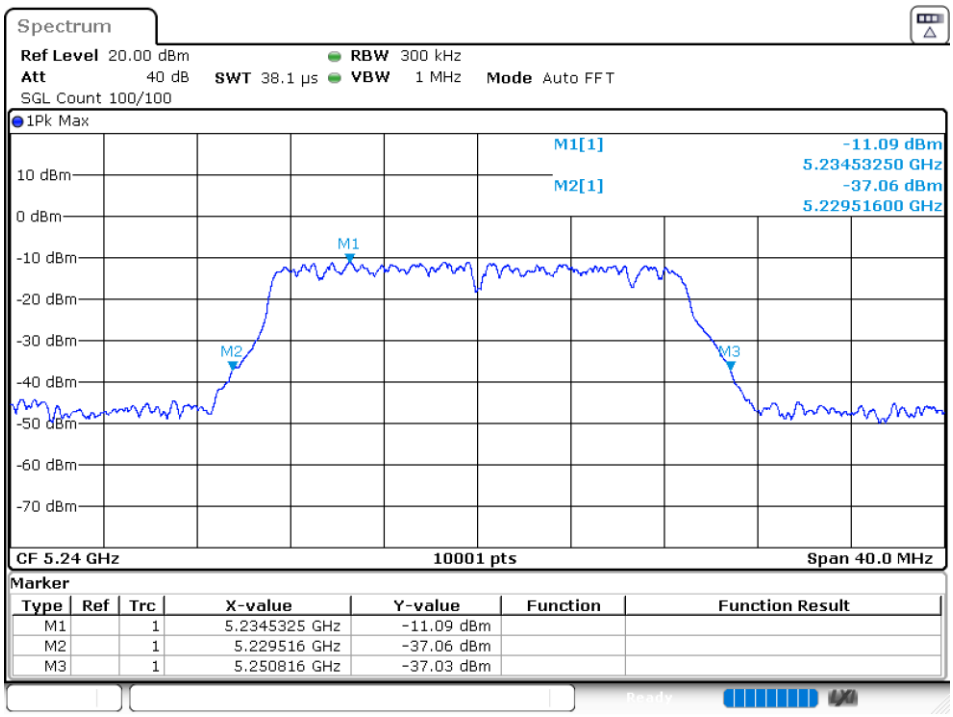
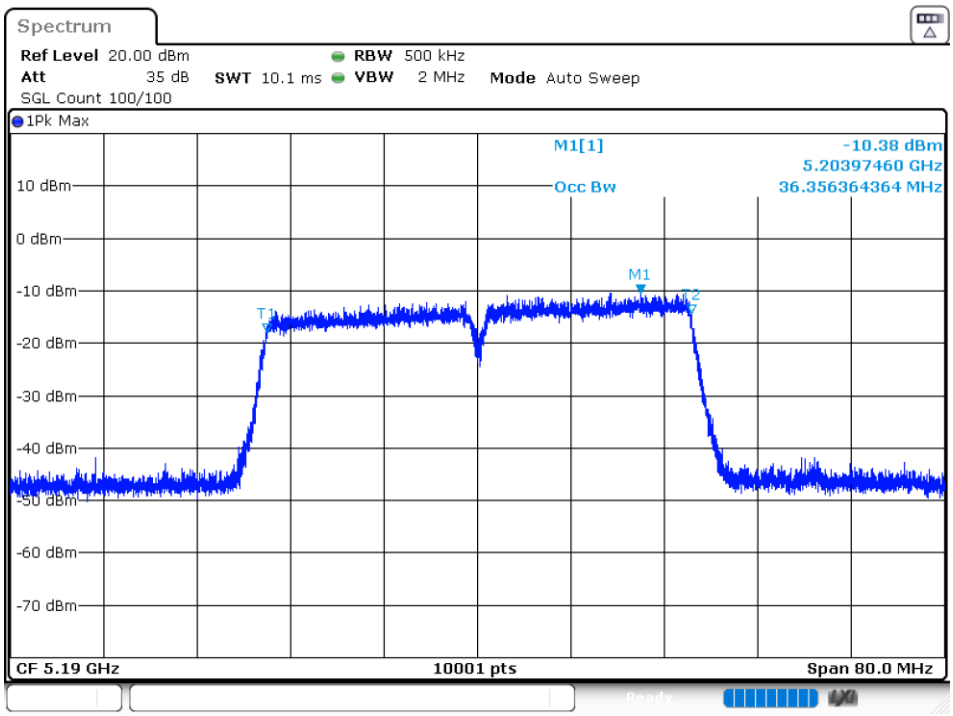
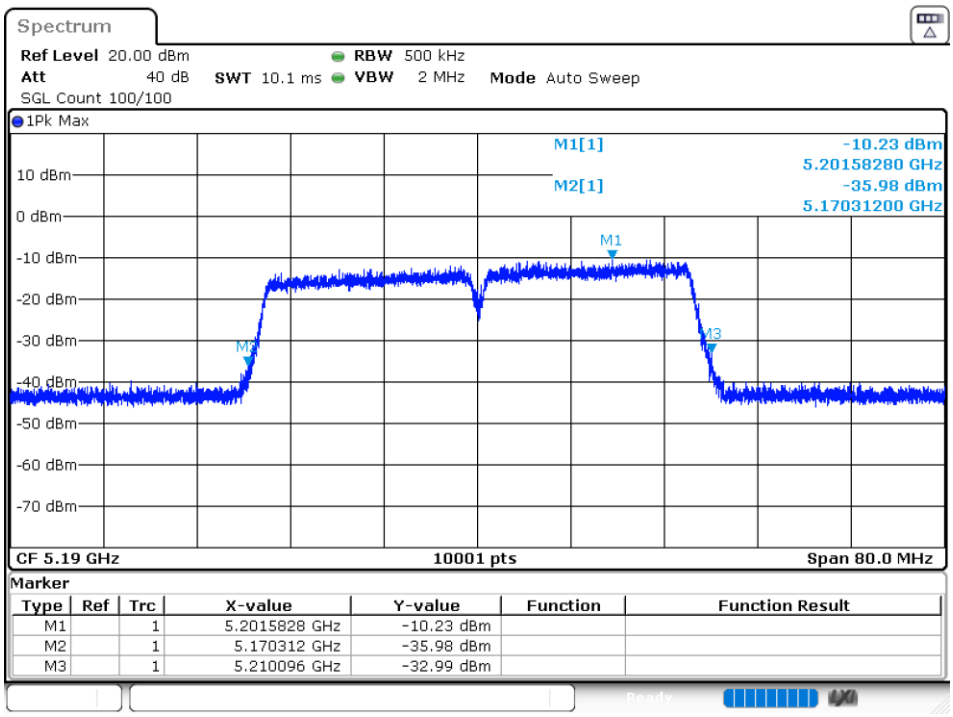


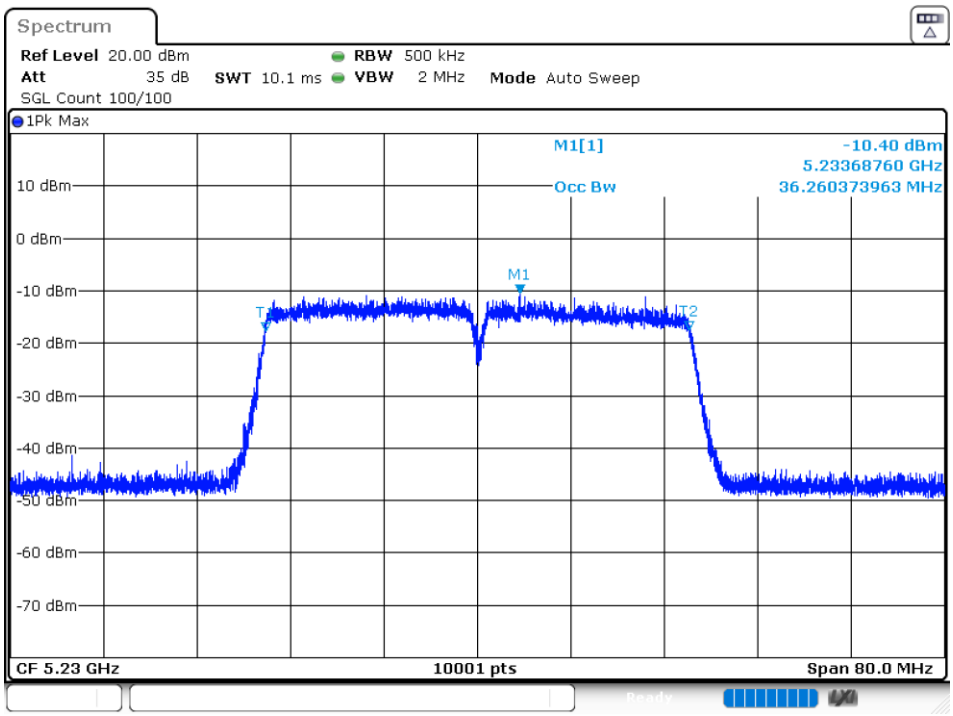
OBW NVNT 802.11n(HT40) 5190MHz Ant 1



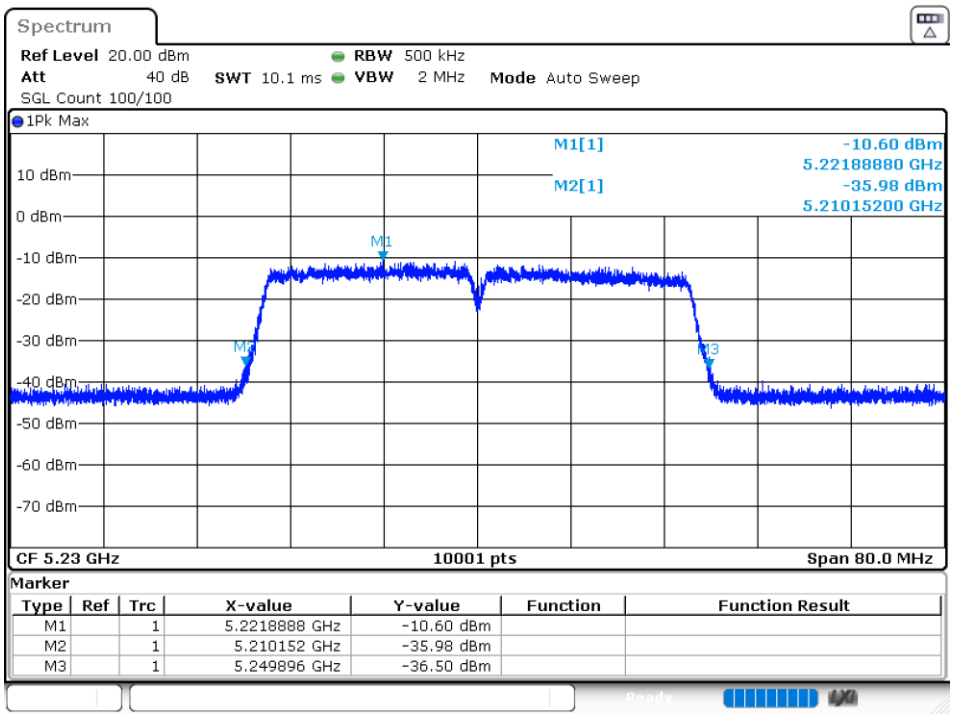
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 1



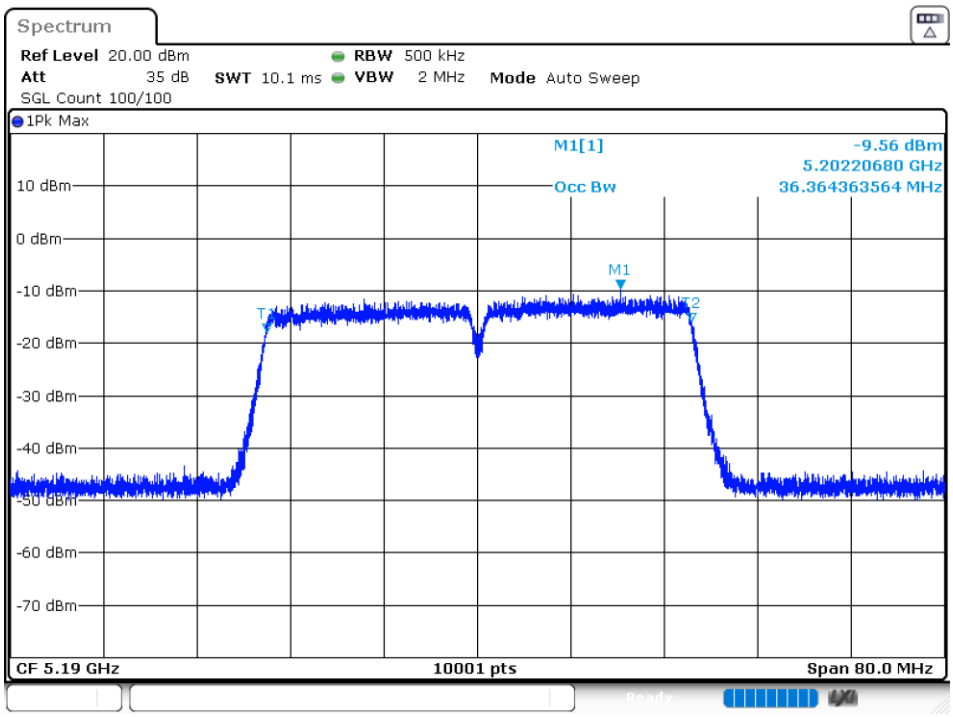
OBW NVNT 802.11n(HT40) 5230MHz Ant 1



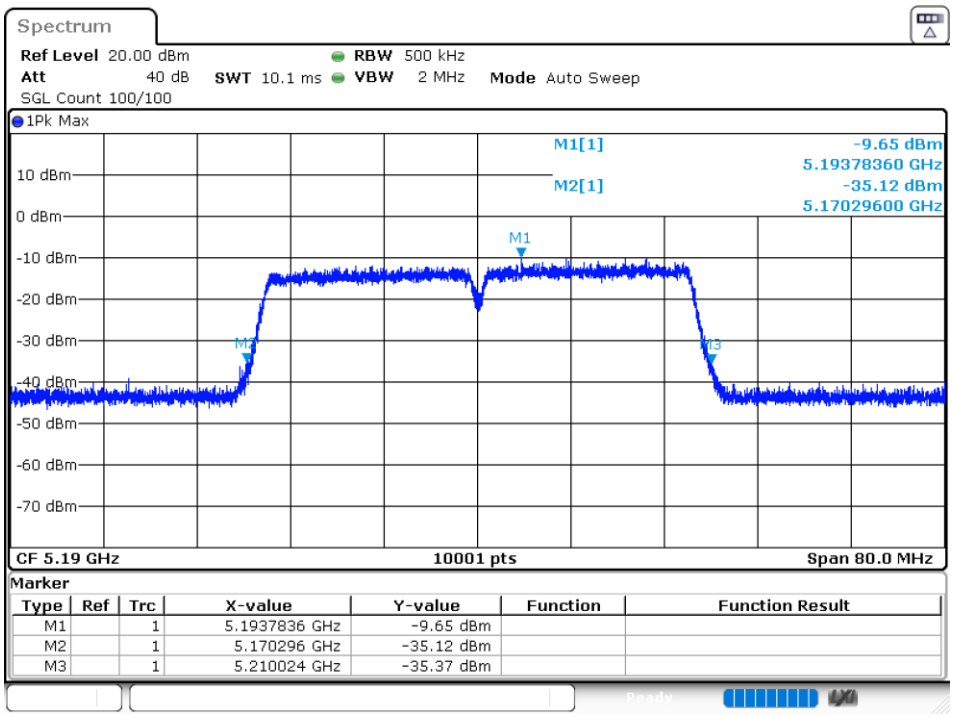
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 1



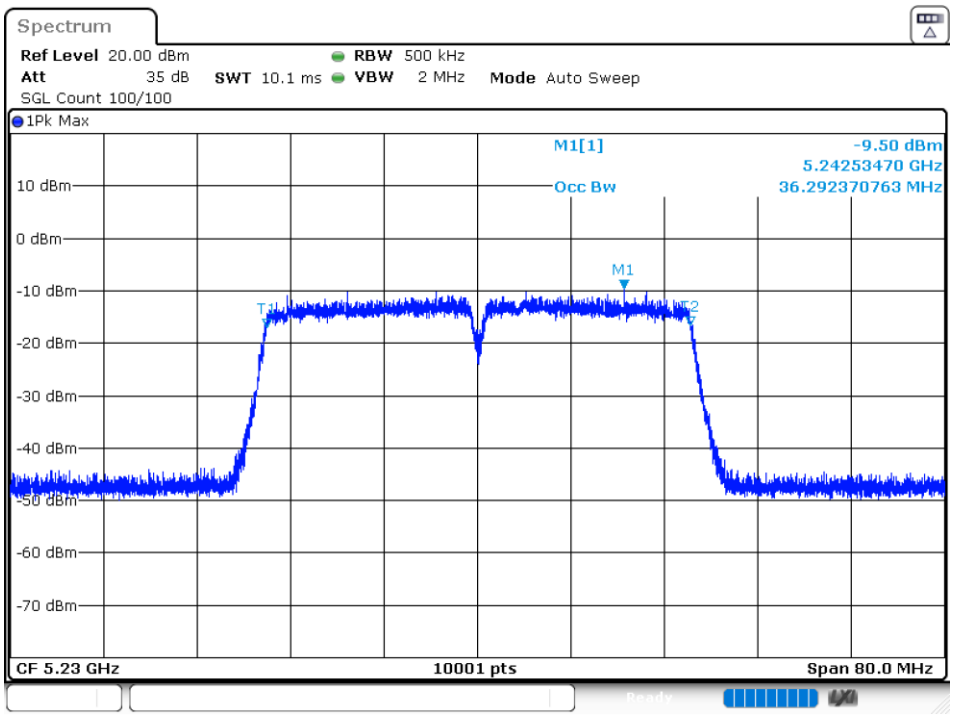
OBW NVNT 802.11n(HT40) 5190MHz Ant 2



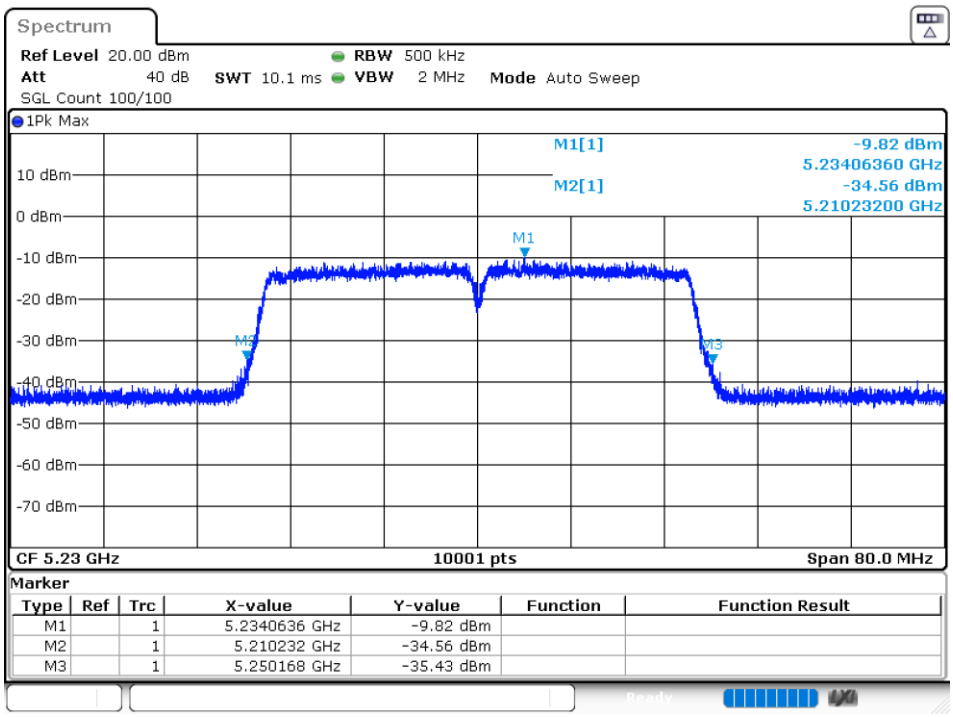
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 2



OBW NVNT 802.11n(HT40) 5230MHz Ant 2



-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 2

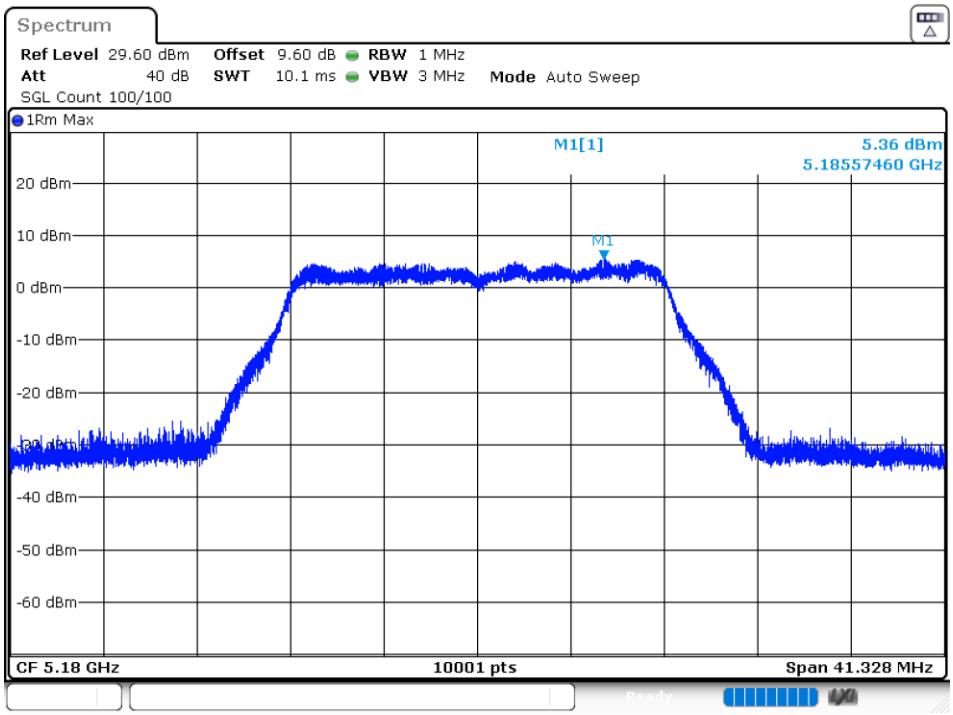


Maximum Power Spectral Density Level - SISO

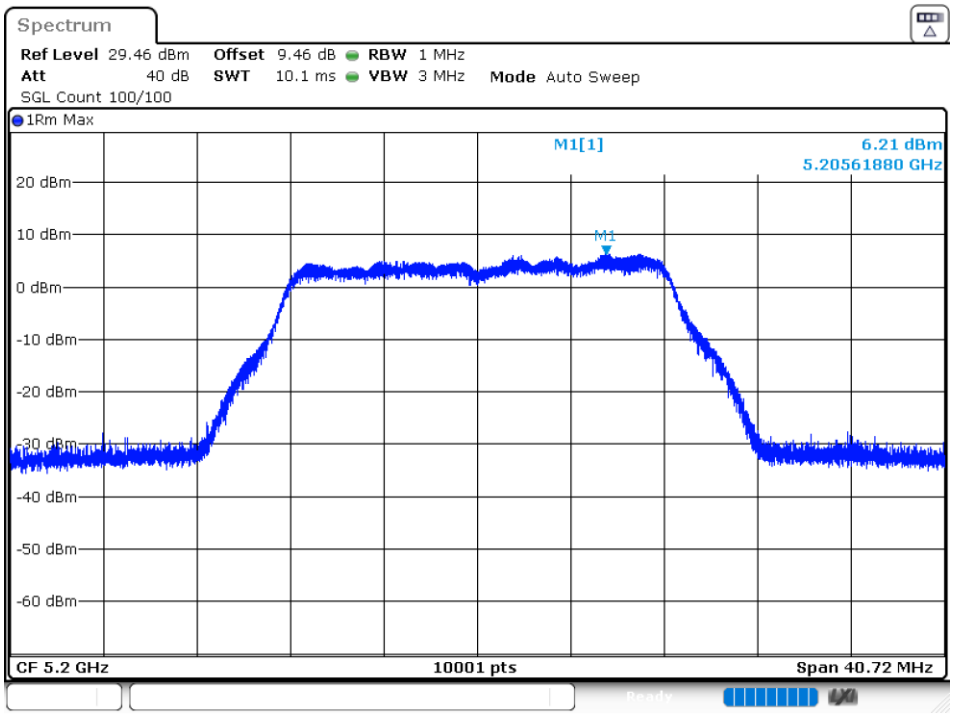
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Factor (dB)	Total Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	5.364	1.69	7.054	11	Pass
NVNT	802.11a	5200	Ant 1	6.209	1.69	7.899	11	Pass
NVNT	802.11a	5240	Ant 1	6.219	1.69	7.909	11	Pass
NVNT	802.11a	5180	Ant 2	6.576	1.69	8.266	11	Pass
NVNT	802.11a	5200	Ant 2	6.771	1.69	8.461	11	Pass
NVNT	802.11a	5240	Ant 2	5.682	1.69	7.372	11	Pass
NVNT	802.11ac20	5180	Ant 1	5.348	0.27	5.618	11	Pass
NVNT	802.11ac20	5200	Ant 1	6.797	0.28	7.077	11	Pass
NVNT	802.11ac20	5240	Ant 1	6.307	0.27	6.577	11	Pass
NVNT	802.11ac20	5180	Ant 2	4.133	0.27	4.403	11	Pass
NVNT	802.11ac20	5200	Ant 2	6.109	0.27	6.379	11	Pass
NVNT	802.11ac20	5240	Ant 2	4.774	0.28	5.054	11	Pass
NVNT	802.11ac40	5190	Ant 1	0.874	2.82	3.694	11	Pass
NVNT	802.11ac40	5230	Ant 1	1.434	2.81	4.244	11	Pass
NVNT	802.11ac40	5190	Ant 2	0.866	2.81	3.676	11	Pass
NVNT	802.11ac40	5230	Ant 2	0.764	2.81	3.574	11	Pass
NVNT	802.11ac80	5210	Ant 1	-2.848	3.47	0.622	11	Pass
NVNT	802.11ac80	5210	Ant 2	-1.196	3.47	2.274	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	4.226	1.79	6.016	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	4.886	1.79	6.676	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	5.464	1.79	7.254	11	Pass
NVNT	802.11n(HT20)	5180	Ant 2	5.08	1.79	6.87	11	Pass
NVNT	802.11n(HT20)	5200	Ant 2	4.943	1.79	6.733	11	Pass

NVNT	802.11n(HT20)	5240	Ant 2	4.574	1.79	6.364	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	0.868	2.59	3.458	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	0.081	2.58	2.661	11	Pass
NVNT	802.11n(HT40)	5190	Ant 2	0.104	2.58	2.684	11	Pass
NVNT	802.11n(HT40)	5230	Ant 2	0.807	2.58	3.387	11	Pass

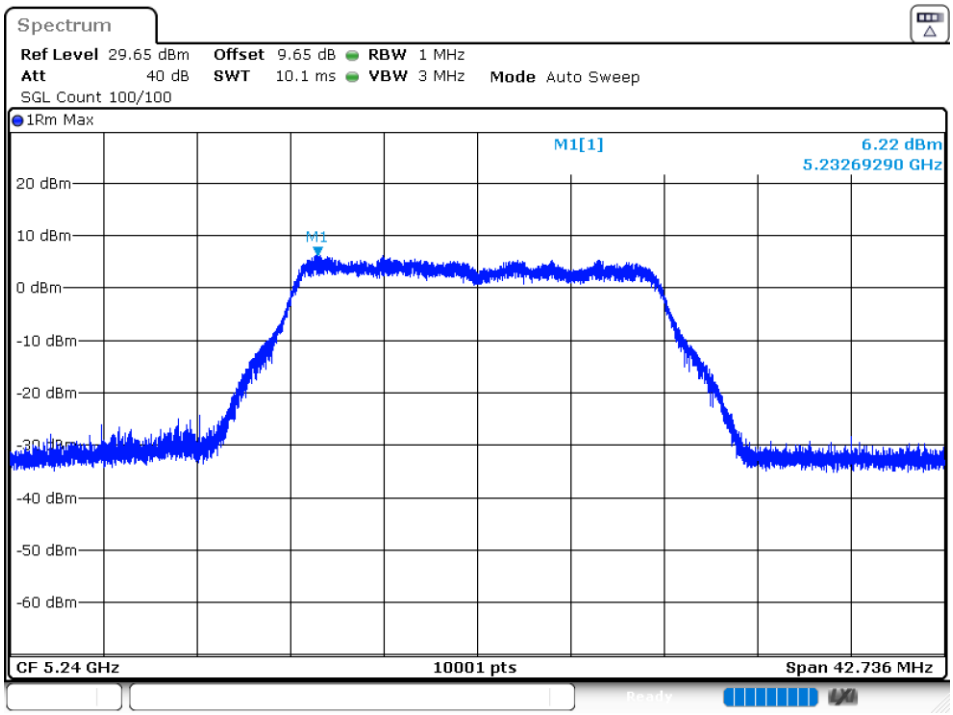
PSD NVNT 802.11a 5180MHz Ant 1



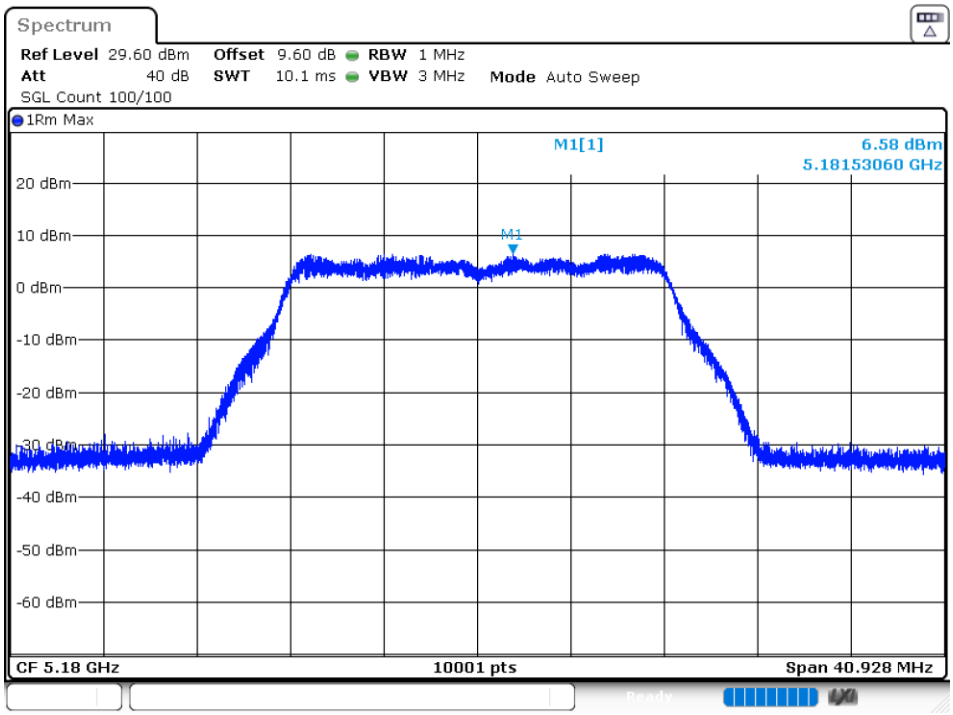
PSD NVNT 802.11a 5200MHz Ant 1



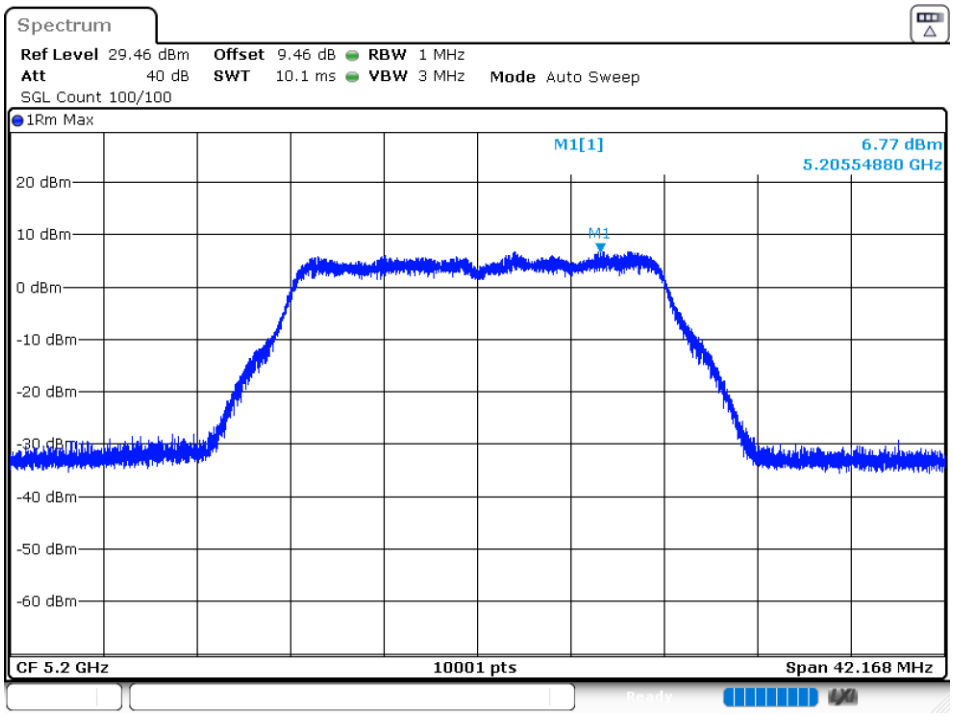
PSD NVNT 802.11a 5240MHz Ant 1



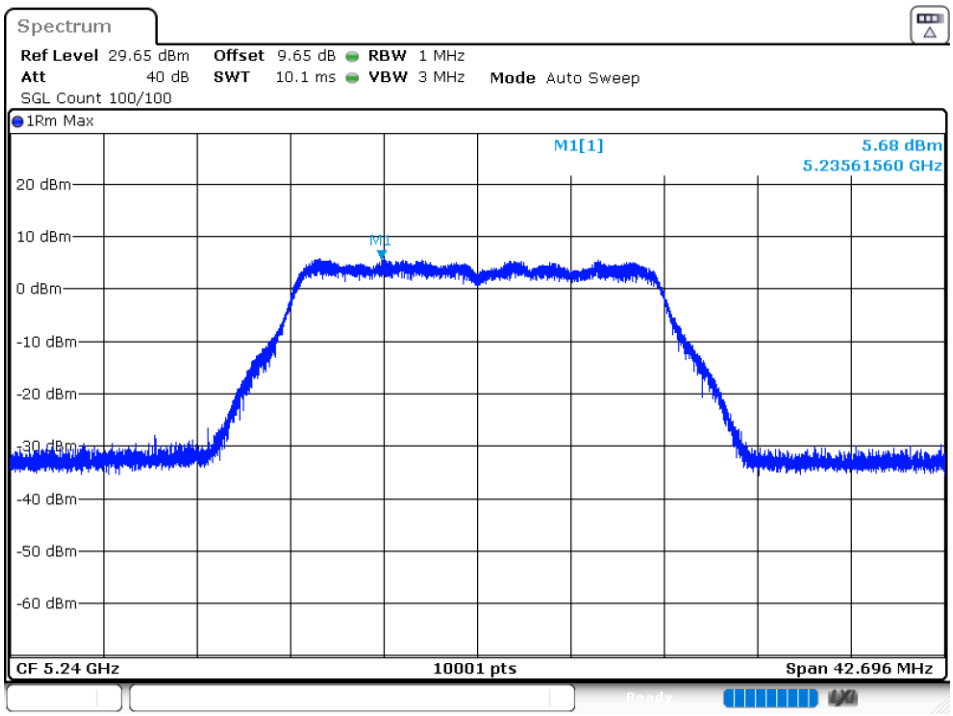
PSD NVNT 802.11a 5180MHz Ant 2



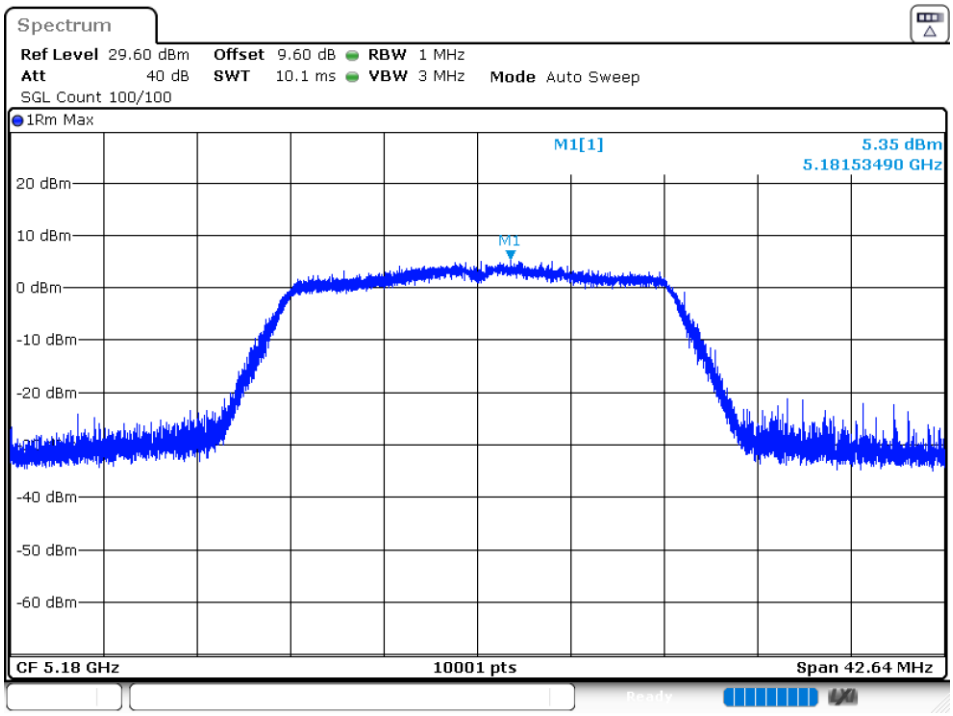
PSD NVNT 802.11a 5200MHz Ant 2



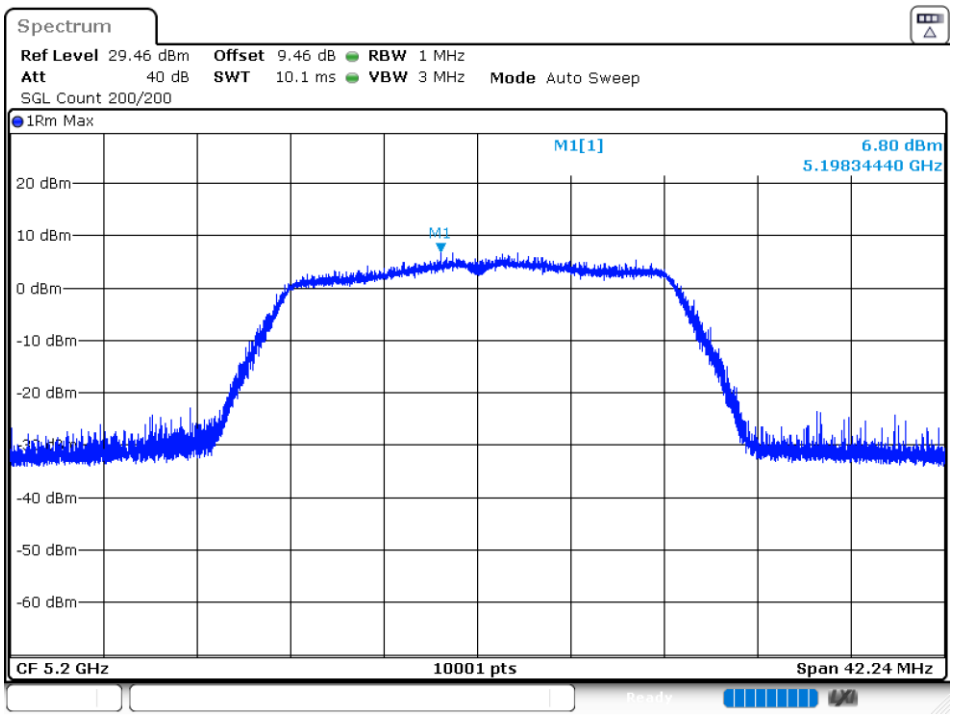
PSD NVNT 802.11a 5240MHz Ant 2



PSD NVNT 802.11ac20 5180MHz Ant 1



PSD NVNT 802.11ac20 5200MHz Ant 1



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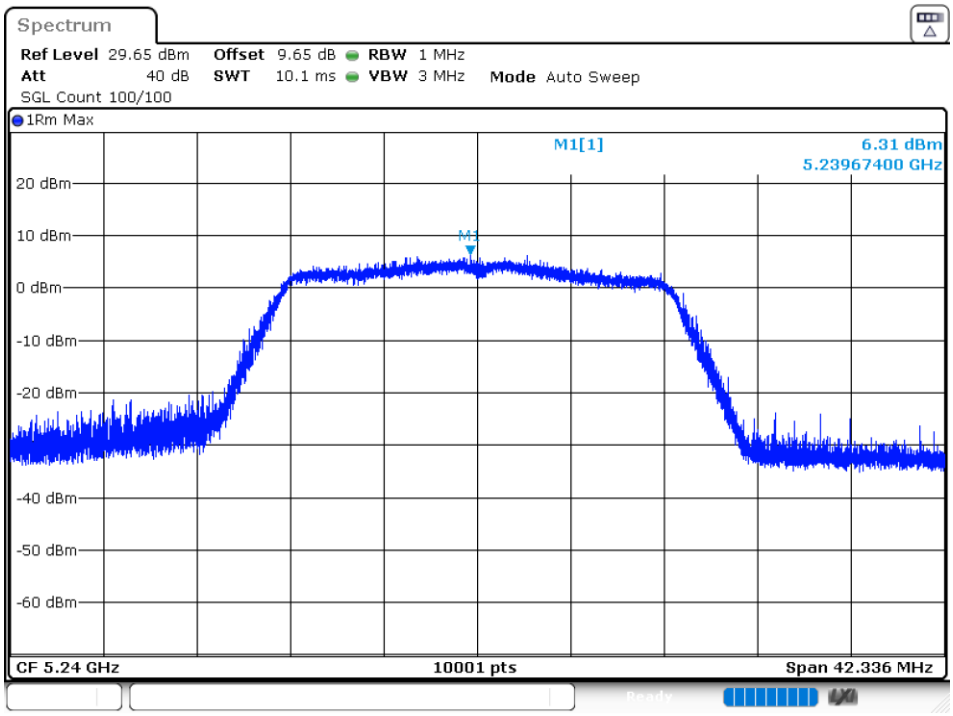

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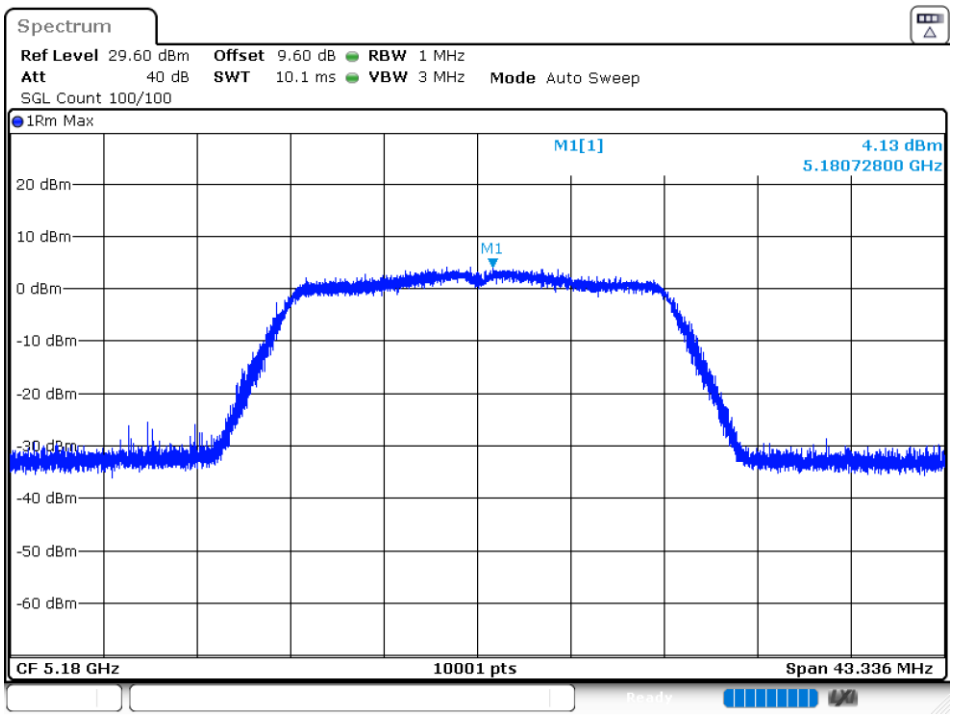
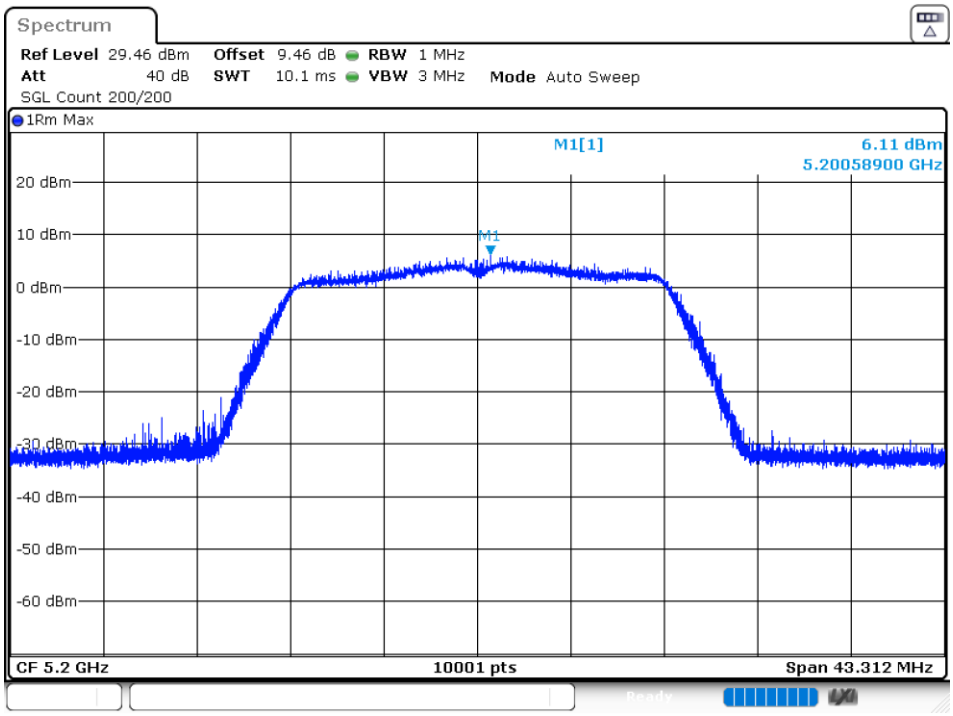
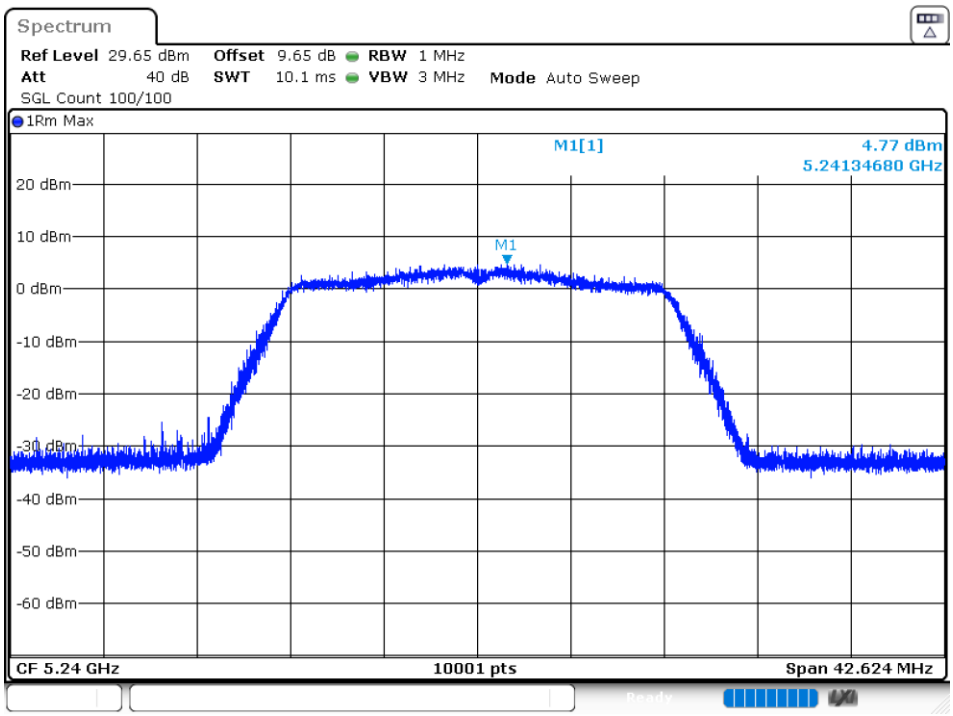


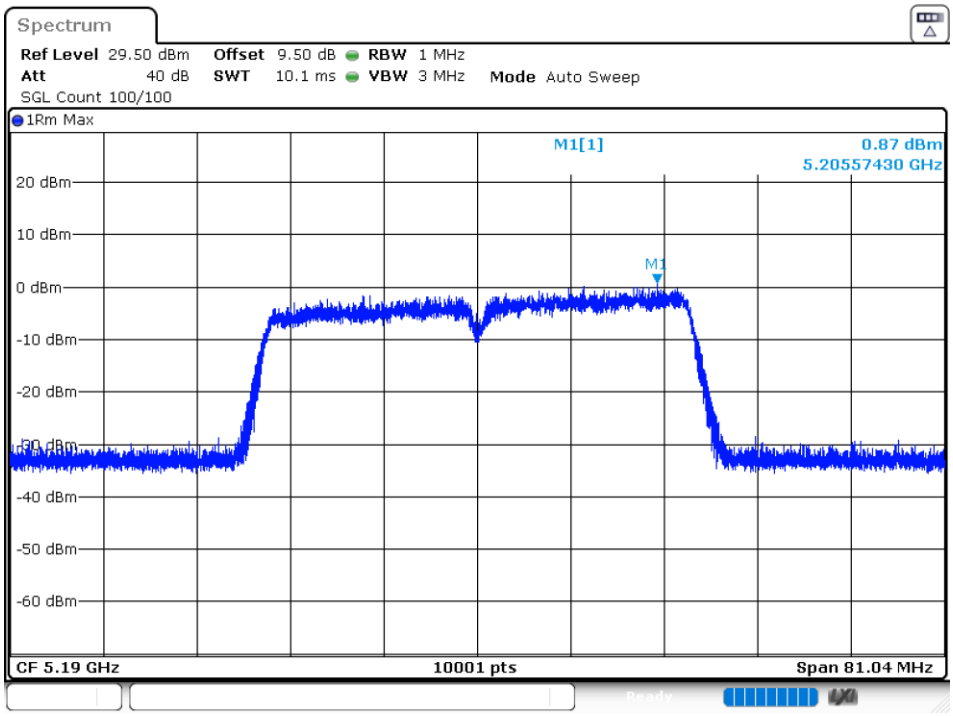
PSD NVNT 802.11ac20 5200MHz Ant 2



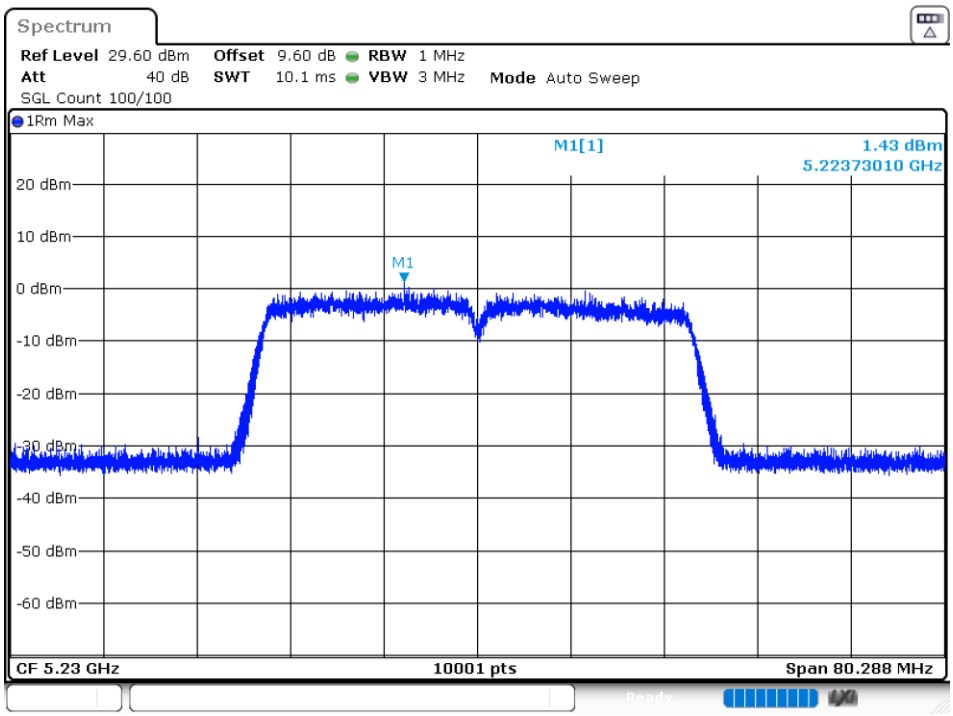
PSD NVNT 802.11ac20 5240MHz Ant 2



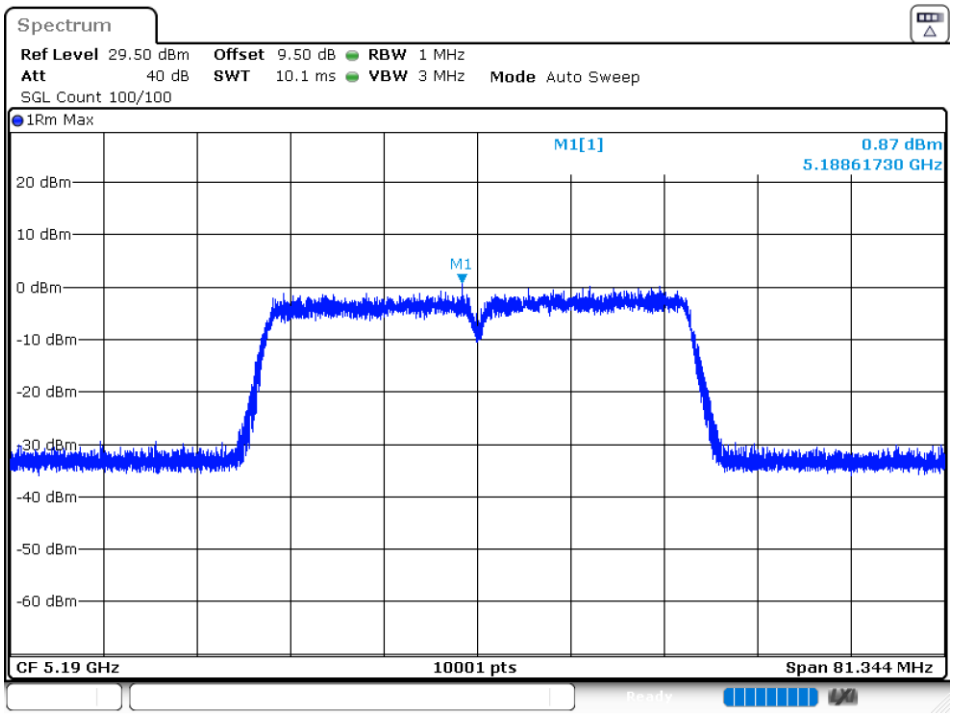
PSD NVNT 802.11ac40 5190MHz Ant 1



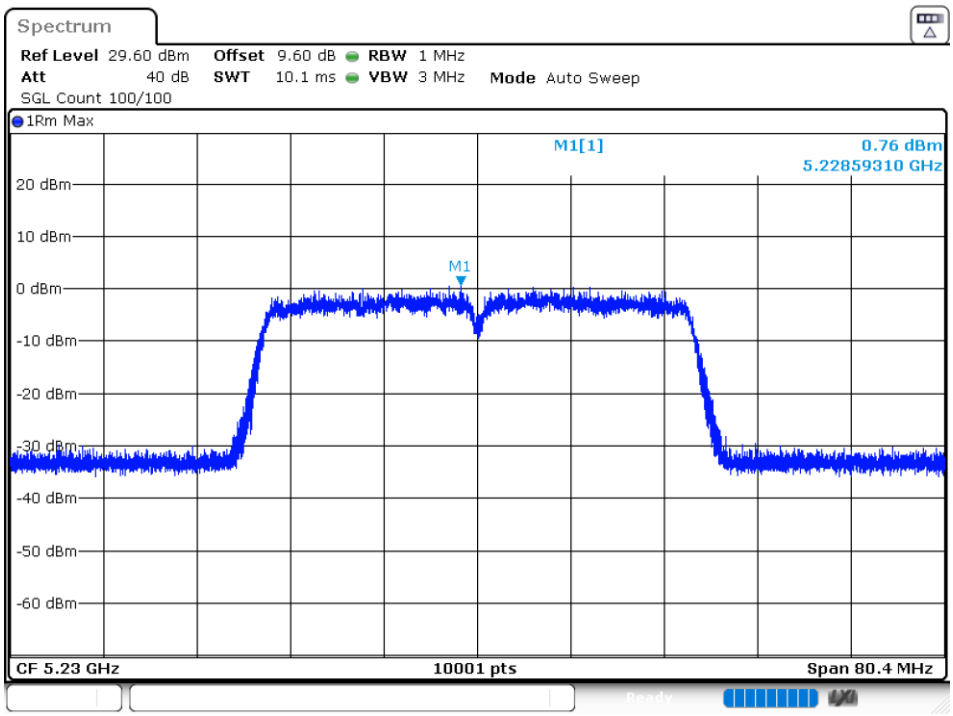
PSD NVNT 802.11ac40 5230MHz Ant 1



PSD NVNT 802.11ac40 5190MHz Ant 2



PSD NVNT 802.11ac40 5230MHz Ant 2



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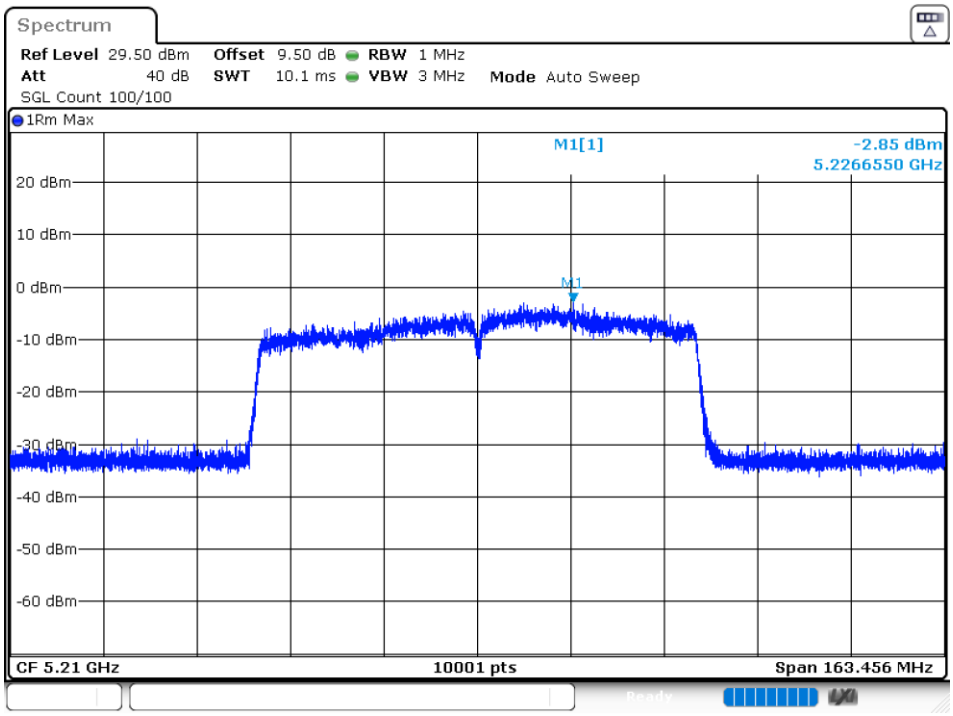
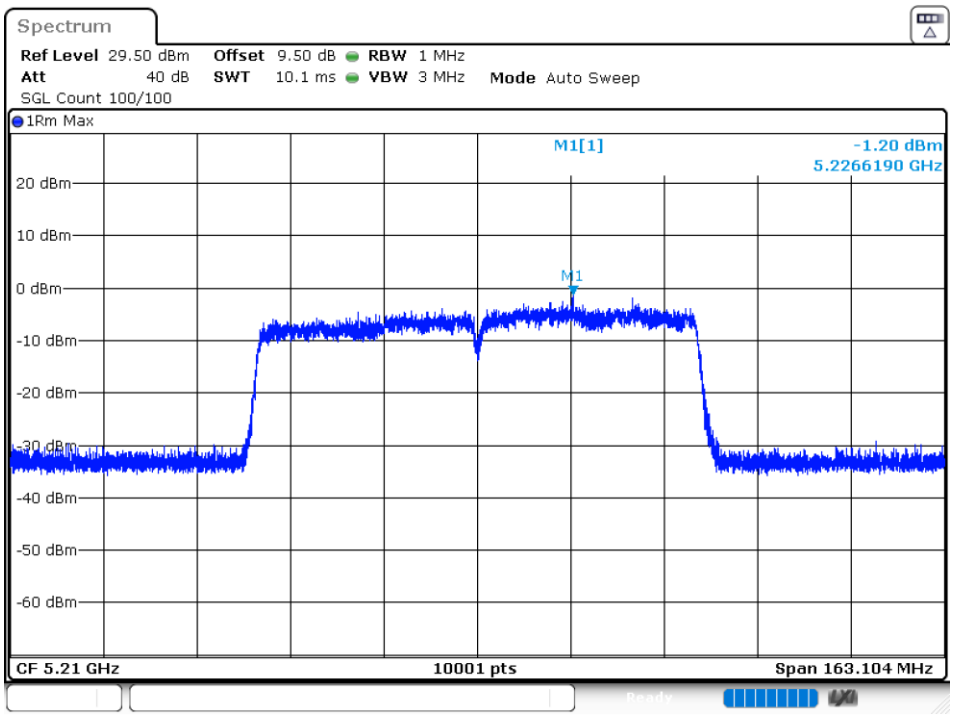
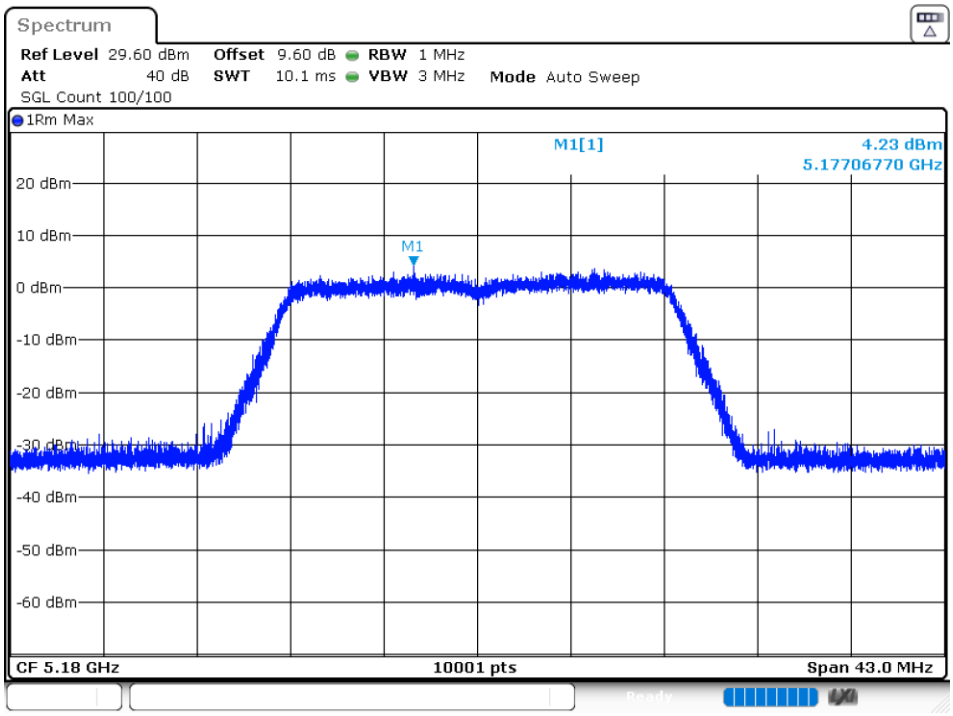


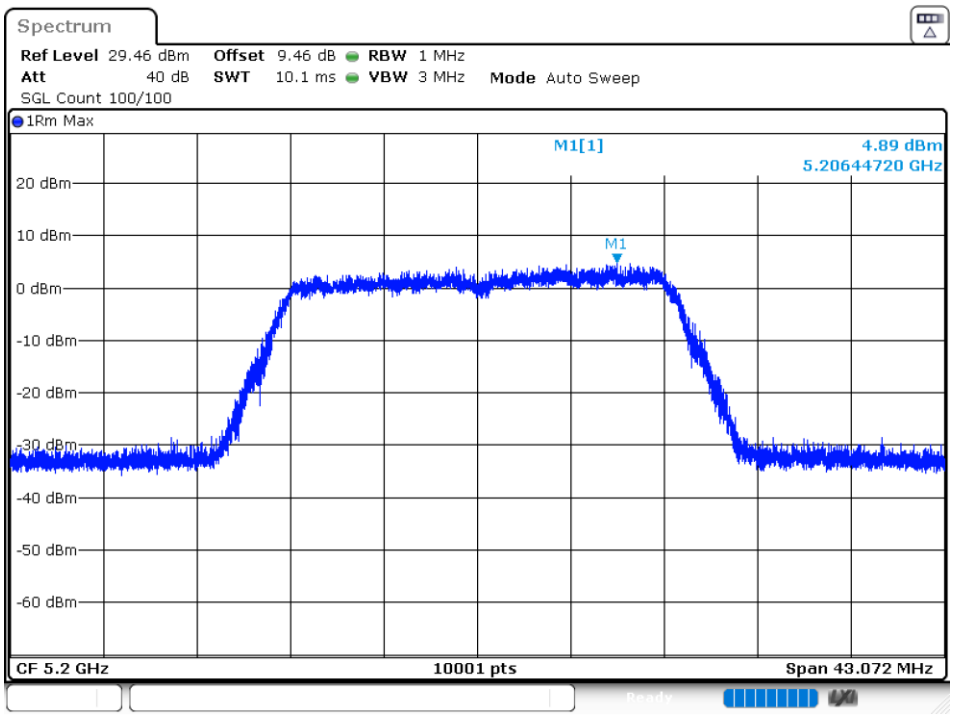
PSD NVNT 802.11ac80 5210MHz Ant 2



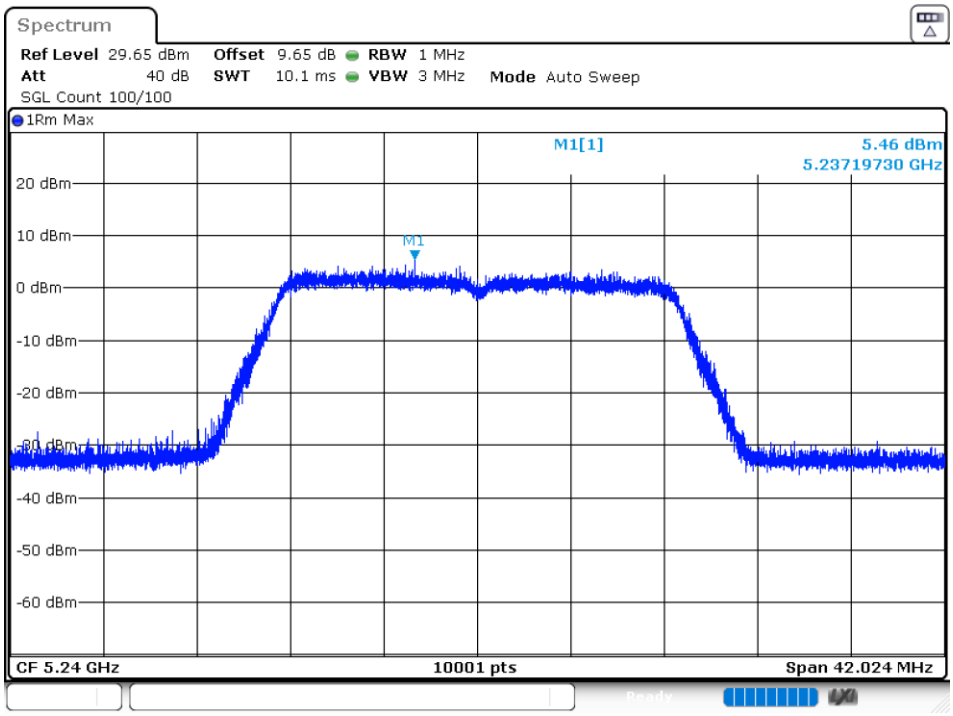
PSD NVNT 802.11n(HT20) 5180MHz Ant 1



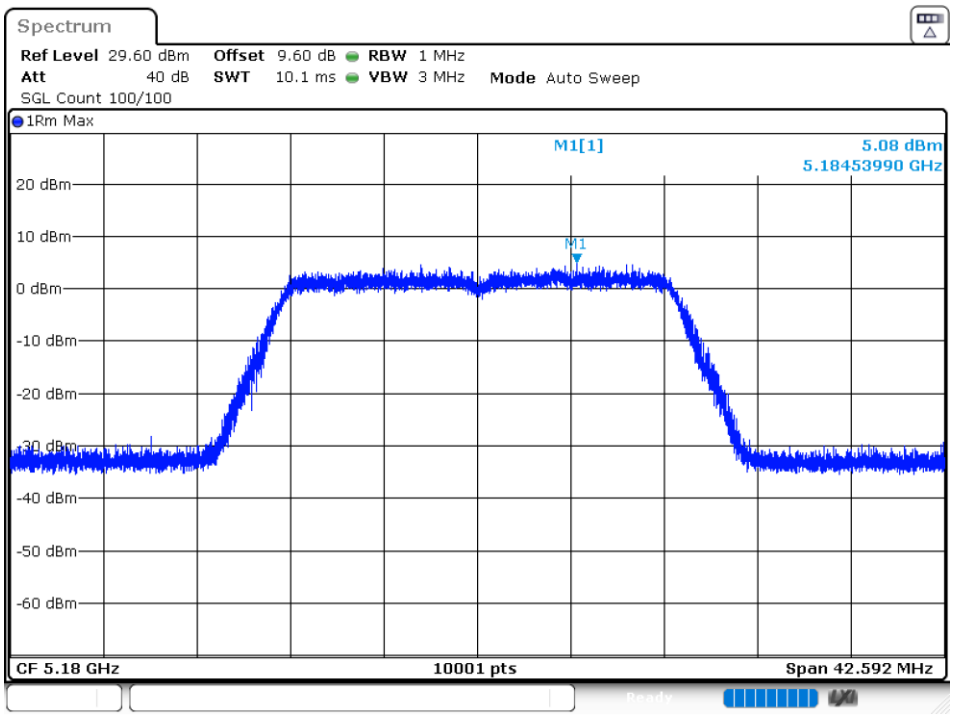
PSD NVNT 802.11n(HT20) 5200MHz Ant 1



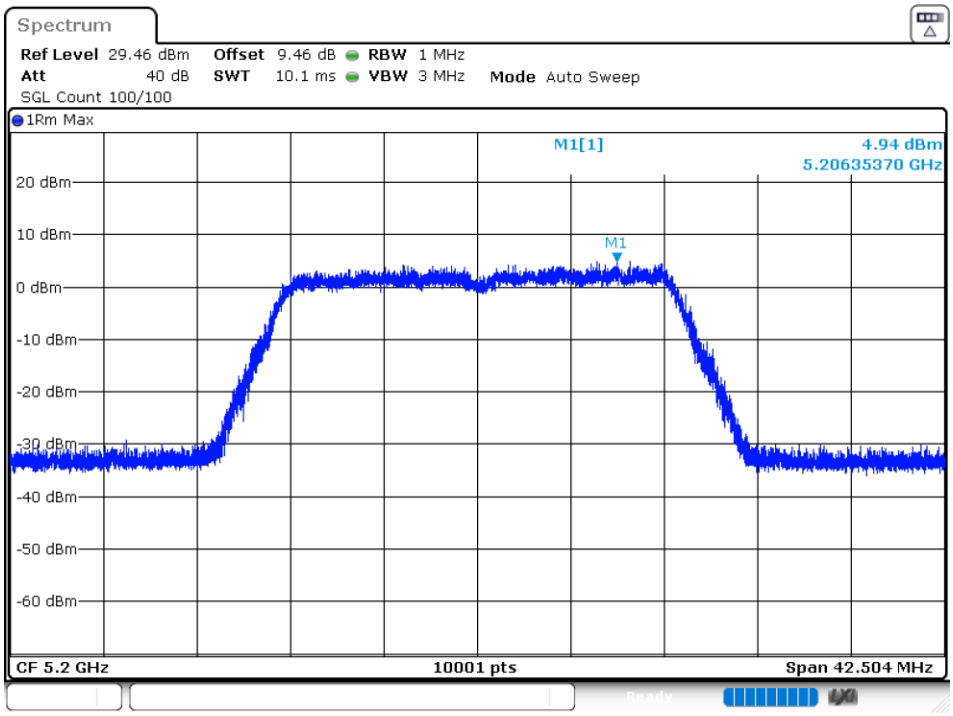
PSD NVNT 802.11n(HT20) 5240MHz Ant 1



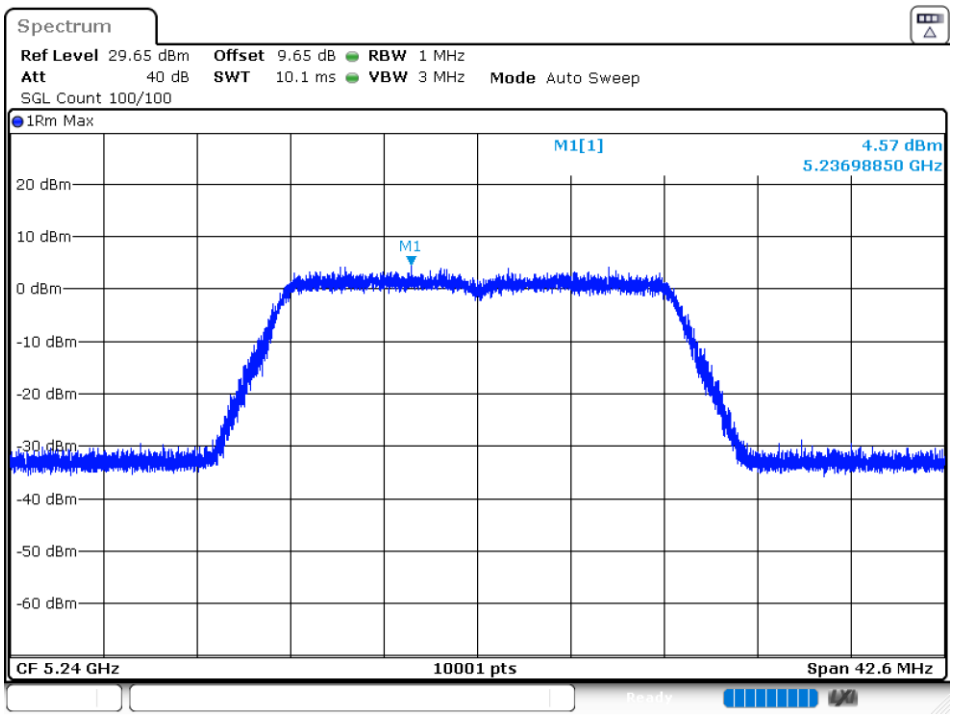
PSD NVNT 802.11n(HT20) 5180MHz Ant 2



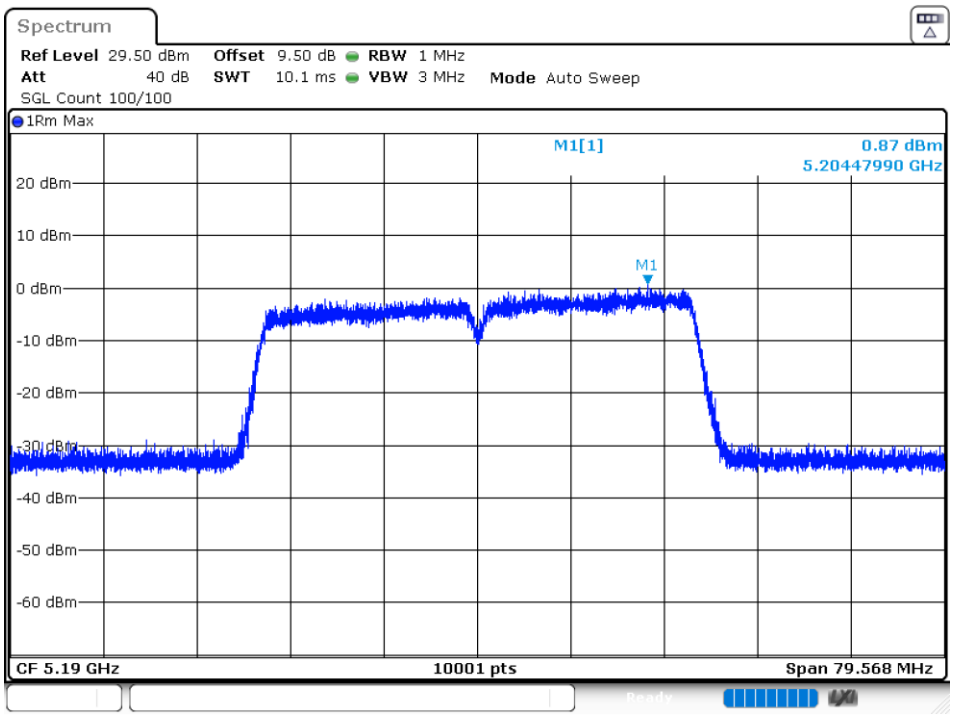
PSD NVNT 802.11n(HT20) 5200MHz Ant 2



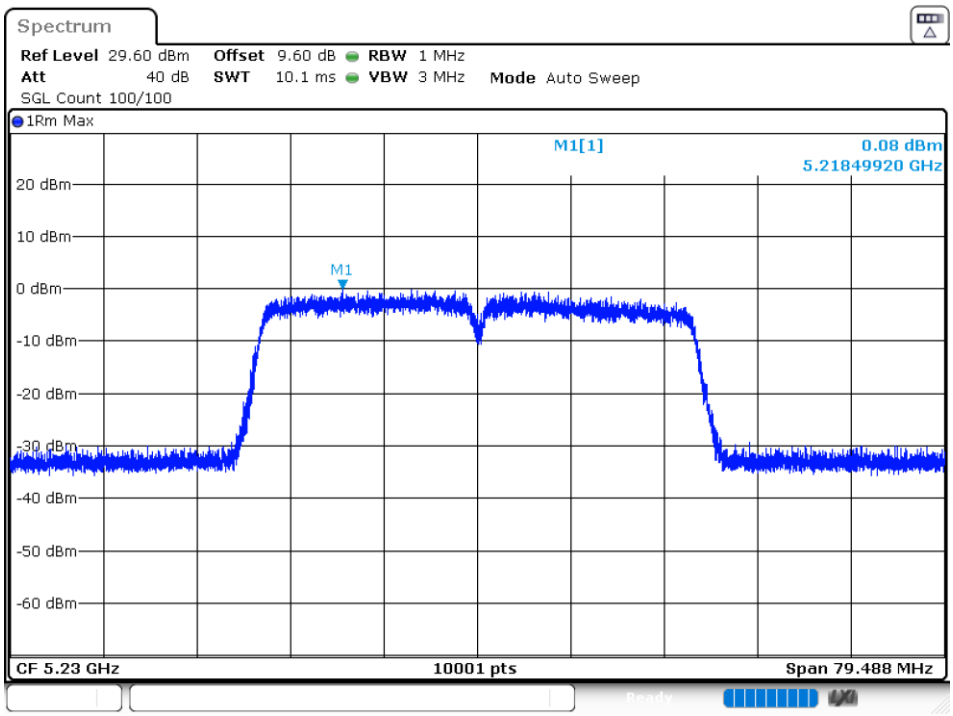
PSD NVNT 802.11n(HT20) 5240MHz Ant 2



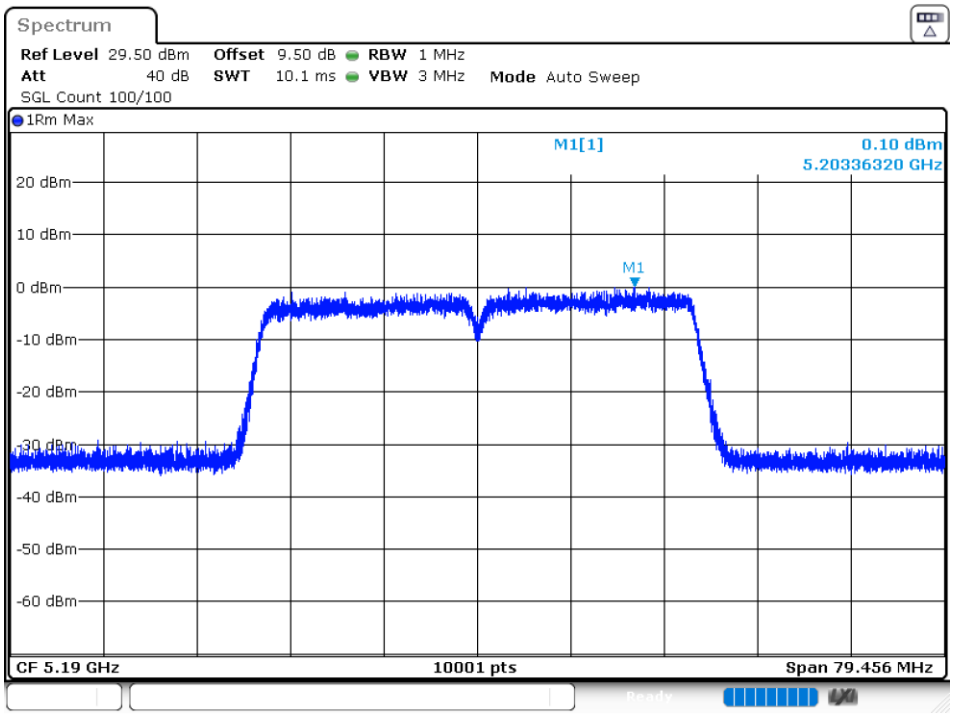
PSD NVNT 802.11n(HT40) 5190MHz Ant 1



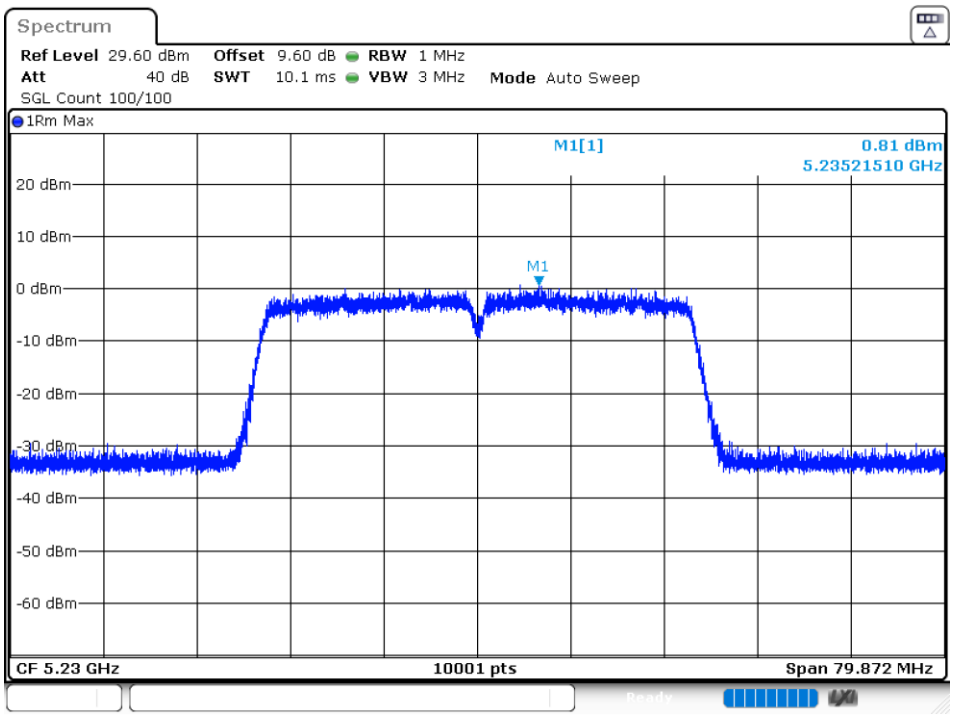
PSD NVNT 802.11n(HT40) 5230MHz Ant 1



PSD NVNT 802.11n(HT40) 5190MHz Ant 2



PSD NVNT 802.11n(HT40) 5230MHz Ant 2

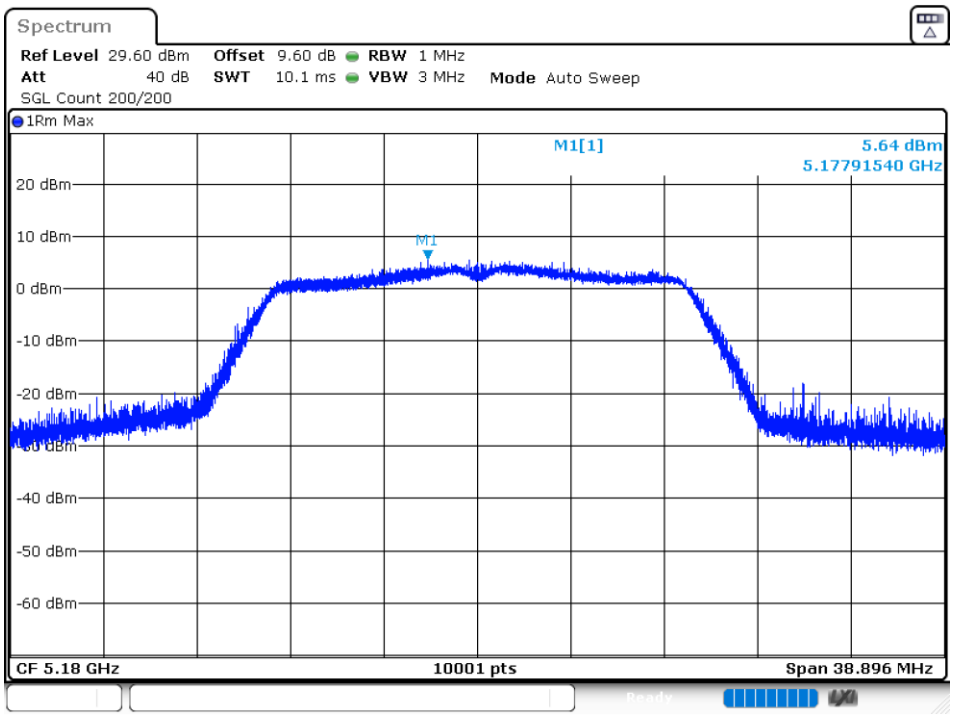


Maximum Power Spectral Density Level - MIMO

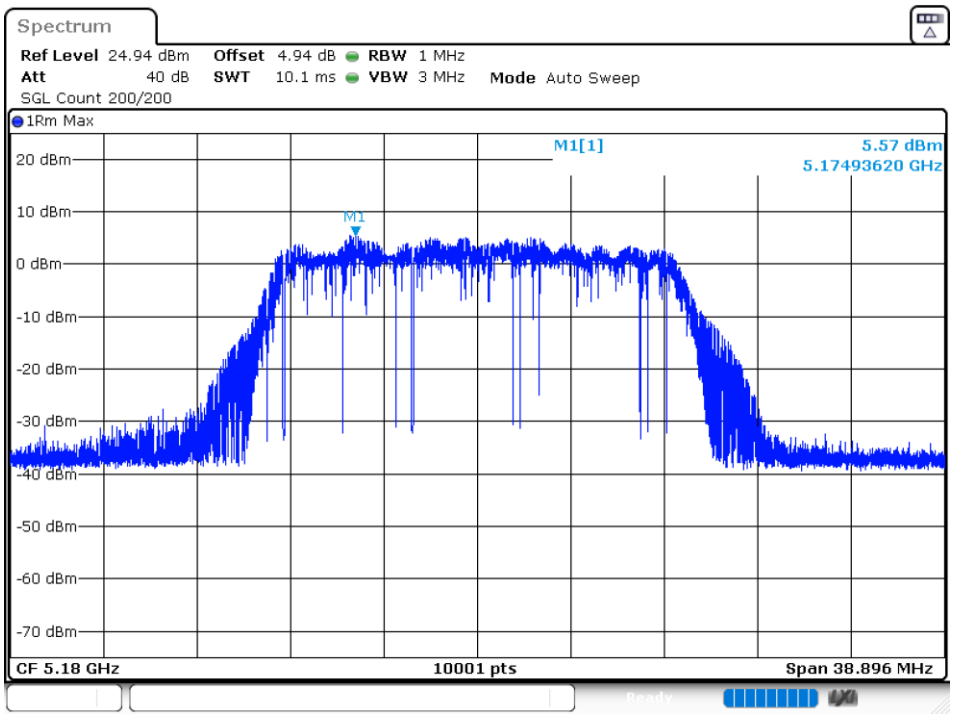
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Factor (dB)	Total Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5180	Ant 1	5.639	0.27	5.909	11	Pass
NVNT	802.11ac20	5180	Ant 2	5.571	0.28	5.851	11	Pass
NVNT	802.11ac20	5180	Sum	8.615	-	8.89	11	Pass
NVNT	802.11ac20	5200	Ant 1	4.17	0.27	4.44	11	Pass

NVNT	802.11ac20	5200	Ant 2	2.994	0.27	3.264	11	Pass
NVNT	802.11ac20	5200	Sum	6.632	-	6.902	11	Pass
NVNT	802.11ac20	5240	Ant 1	4.181	0.27	4.451	11	Pass
NVNT	802.11ac20	5240	Ant 2	3.471	0.28	3.751	11	Pass
NVNT	802.11ac20	5240	Sum	6.851	-	7.125	11	Pass
NVNT	802.11ac40	5190	Ant 1	-0.404	2.82	2.416	11	Pass
NVNT	802.11ac40	5190	Ant 2	-1.616	2.81	1.194	11	Pass
NVNT	802.11ac40	5190	Sum	2.042	-	4.858	11	Pass
NVNT	802.11ac40	5230	Ant 1	-0.131	2.81	2.679	11	Pass
NVNT	802.11ac40	5230	Ant 2	-0.775	2.81	2.035	11	Pass
NVNT	802.11ac40	5230	Sum	2.569	-	5.379	11	Pass
NVNT	802.11ac80	5210	Ant 1	-2.892	3.47	0.578	11	Pass
NVNT	802.11ac80	5210	Ant 2	-3.35	3.47	0.12	11	Pass
NVNT	802.11ac80	5210	Sum	-0.105	-	3.365	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	3.739	1.79	5.529	11	Pass
NVNT	802.11n(HT20)	5180	Ant 2	3.756	1.79	5.546	11	Pass
NVNT	802.11n(HT20)	5180	Sum	6.758	-	8.548	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	5.231	1.79	7.021	11	Pass
NVNT	802.11n(HT20)	5200	Ant 2	3.833	1.79	5.623	11	Pass
NVNT	802.11n(HT20)	5200	Sum	7.598	-	9.388	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	4.613	1.79	6.403	11	Pass
NVNT	802.11n(HT20)	5240	Ant 2	4.183	1.79	5.973	11	Pass
NVNT	802.11n(HT20)	5240	Sum	7.414	-	9.204	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	1.589	2.59	4.179	11	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-0.007	2.58	2.573	11	Pass
NVNT	802.11n(HT40)	5190	Sum	3.874	-	6.46	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	0.033	2.58	2.613	11	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-0.775	2.58	1.805	11	Pass
NVNT	802.11n(HT40)	5230	Sum	2.658	-	5.238	11	Pass

PSD NVNT 802.11ac20 5180MHz Ant1



PSD NVNT 802.11ac20 5180MHz Ant2



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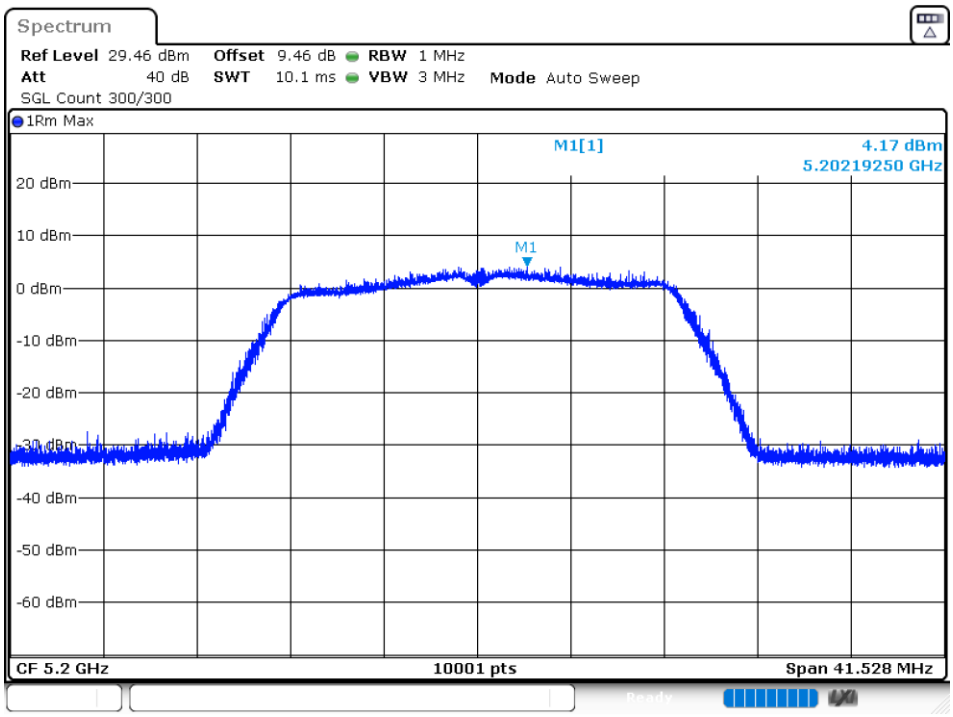
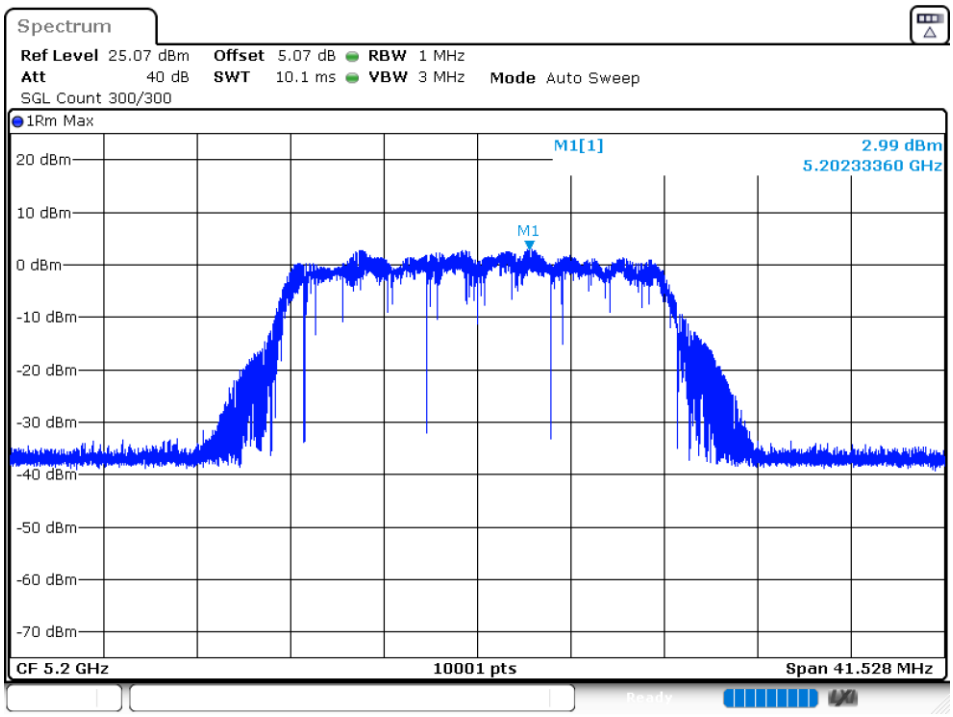


PSD NVNT 802.11ac20 5200MHz Ant2



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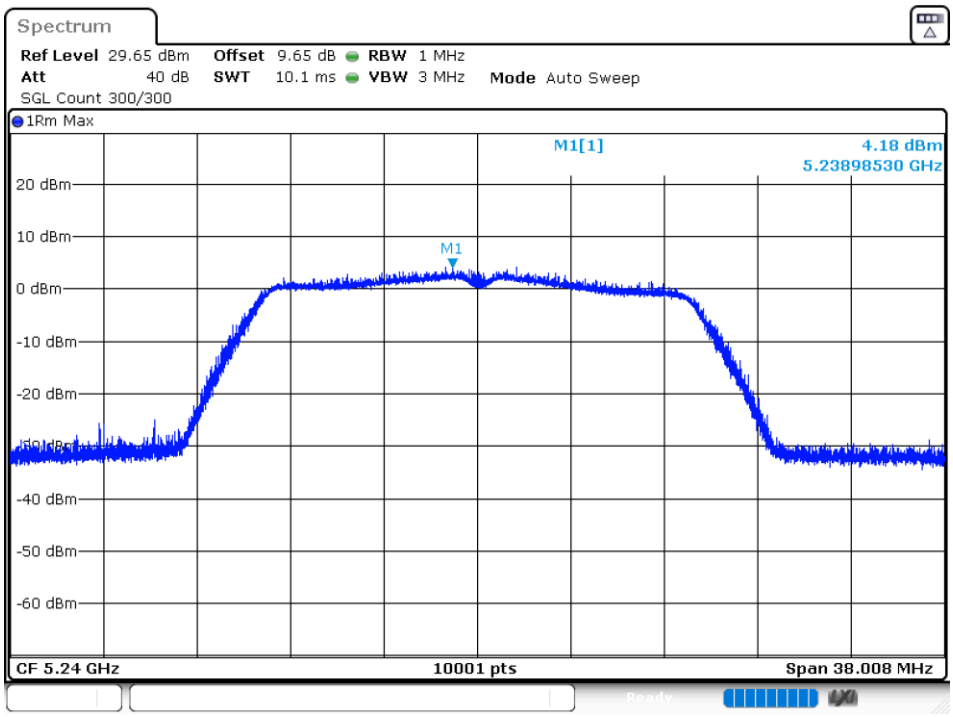

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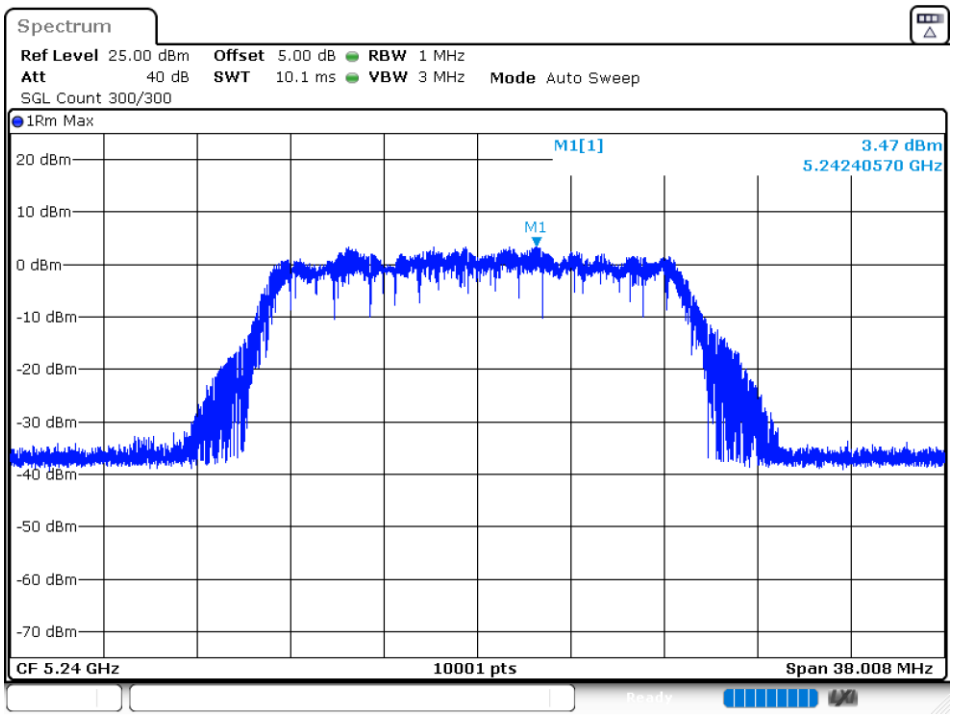
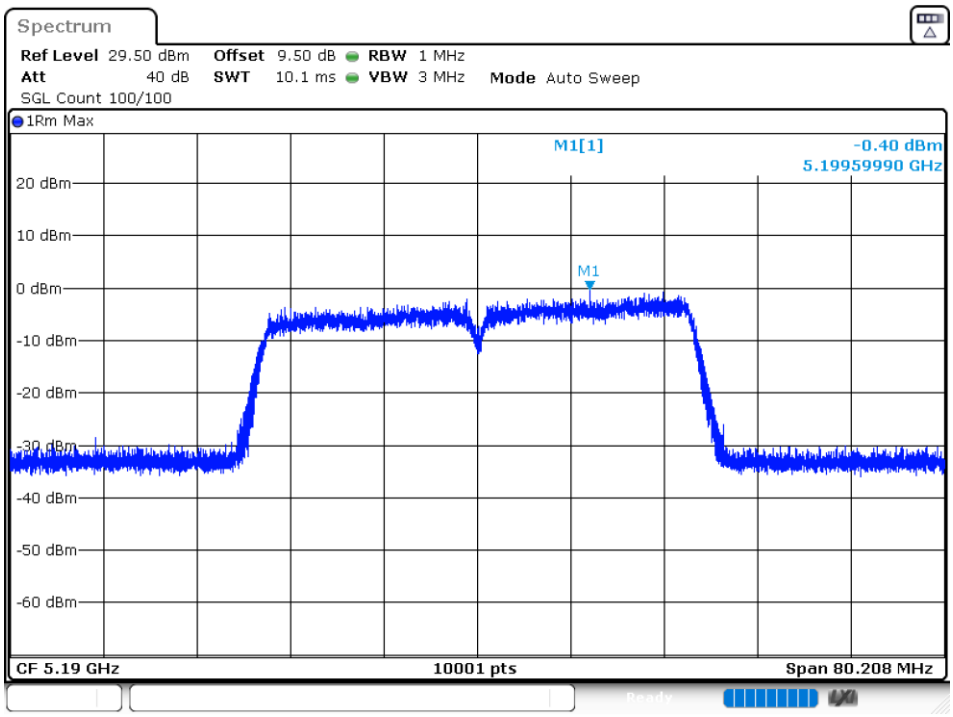
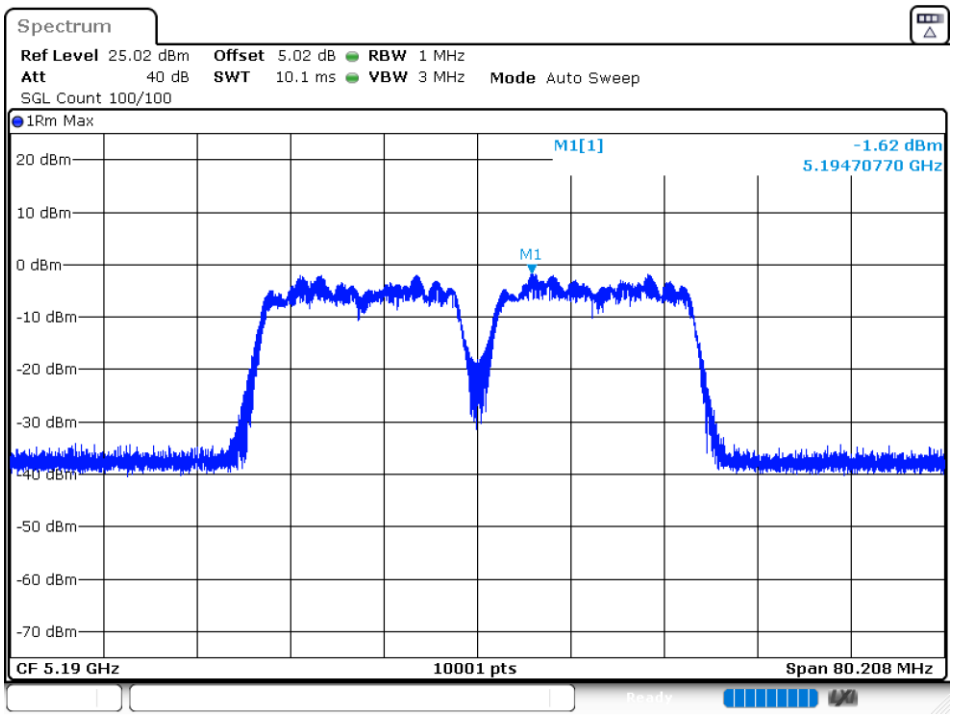


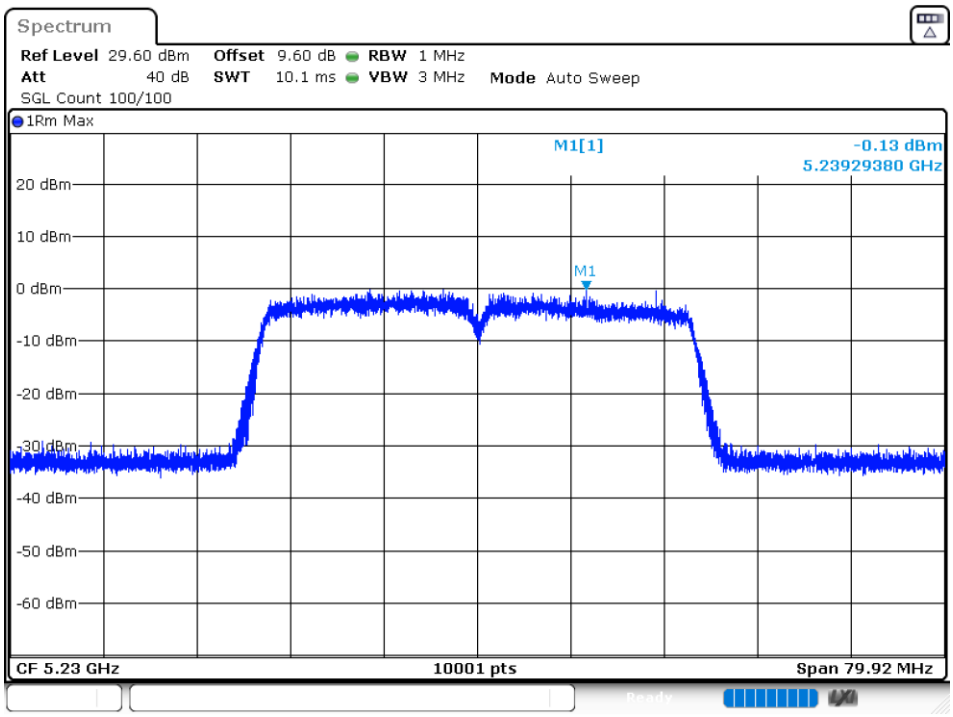
PSD NVNT 802.11ac40 5190MHz Ant1



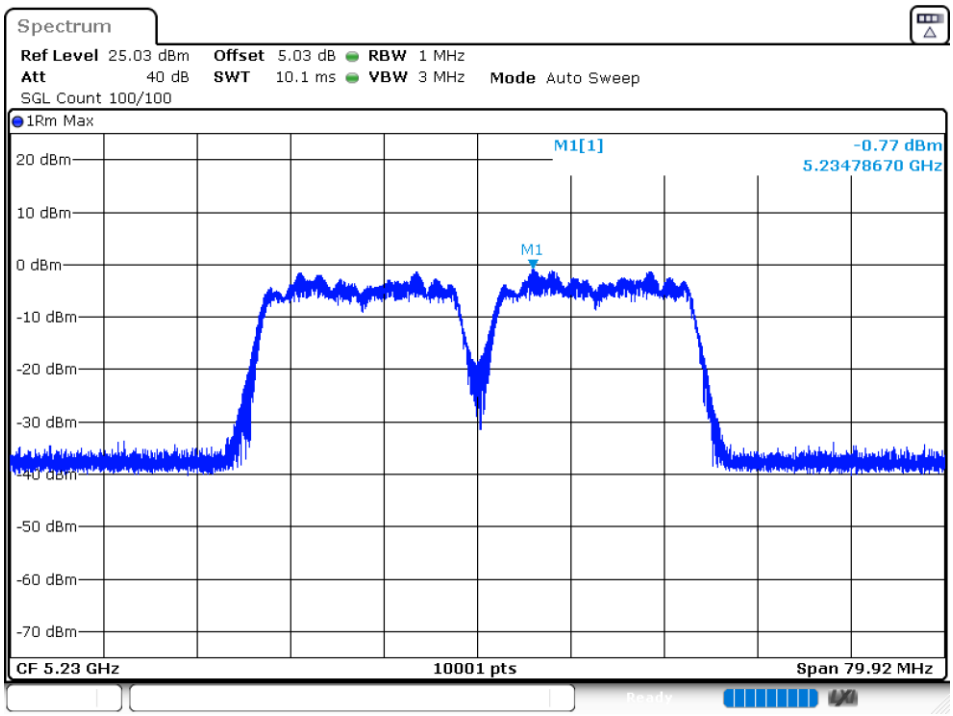
PSD NVNT 802.11ac40 5190MHz Ant2



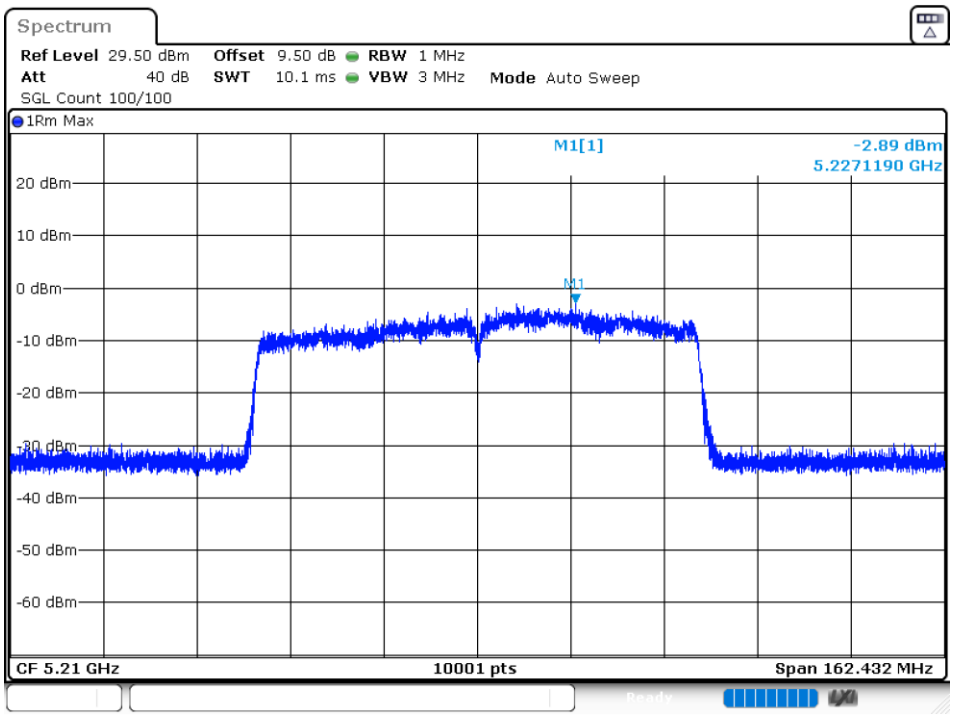
PSD NVNT 802.11ac40 5230MHz Ant1



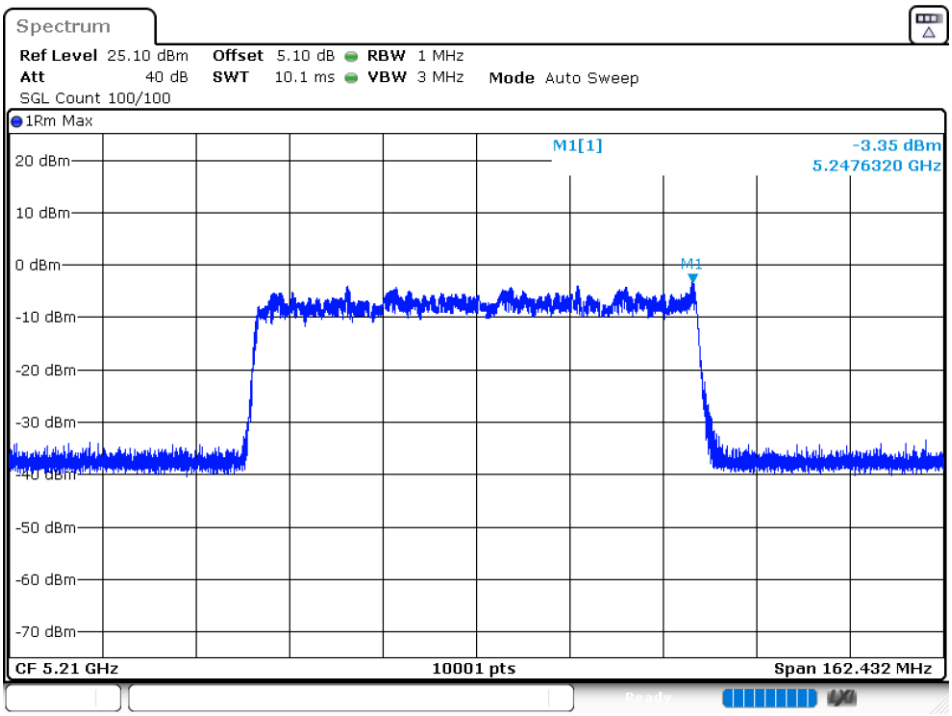
PSD NVNT 802.11ac40 5230MHz Ant2



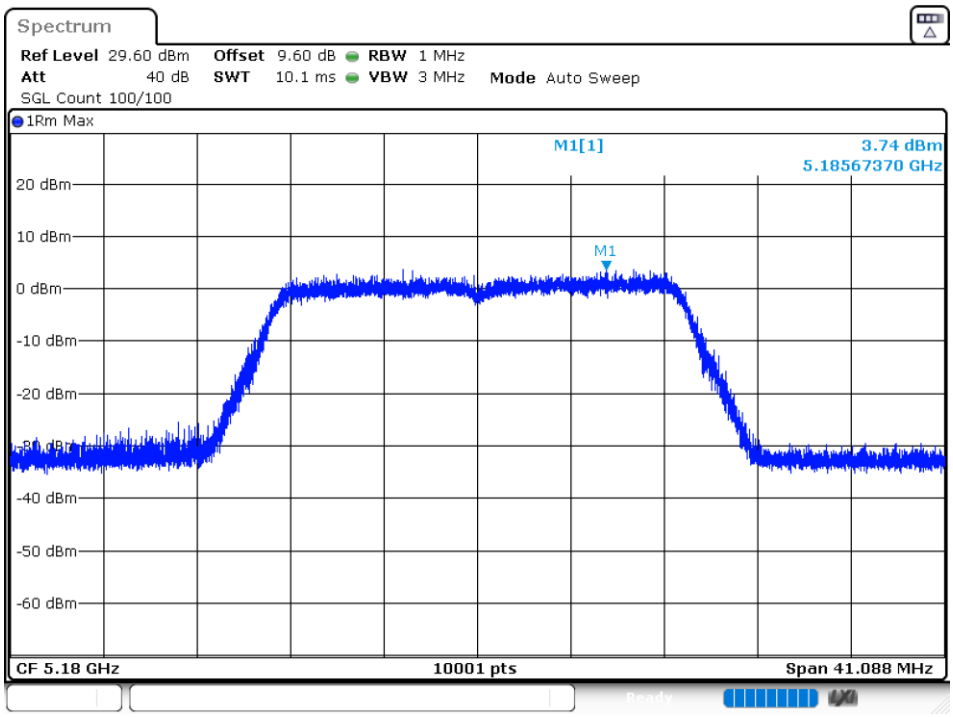
PSD NVNT 802.11ac80 5210MHz Ant1



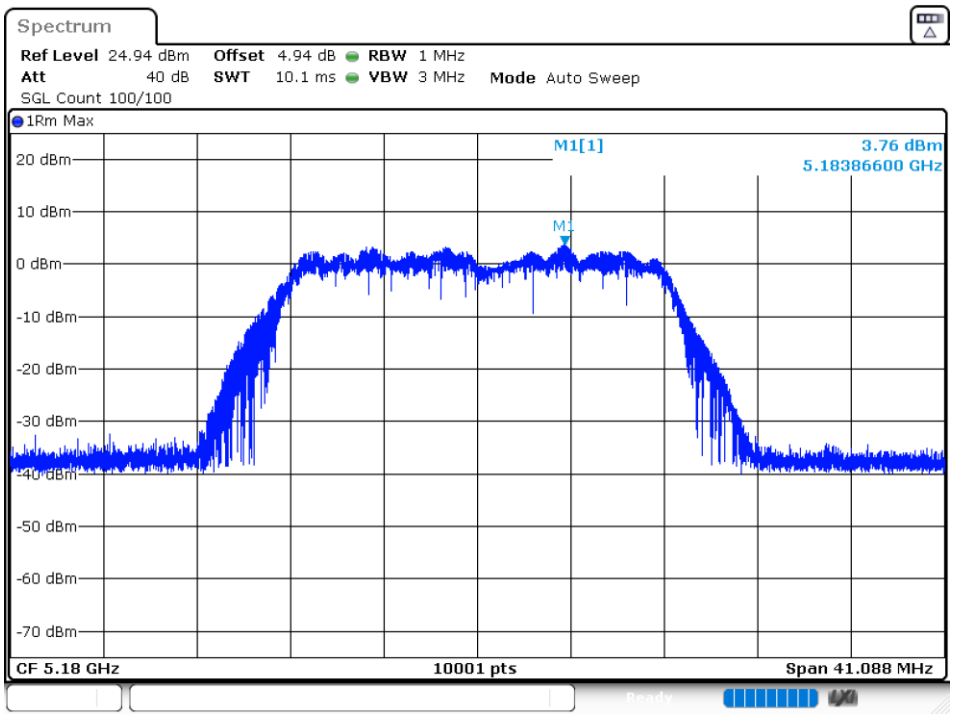
PSD NVNT 802.11ac80 5210MHz Ant2



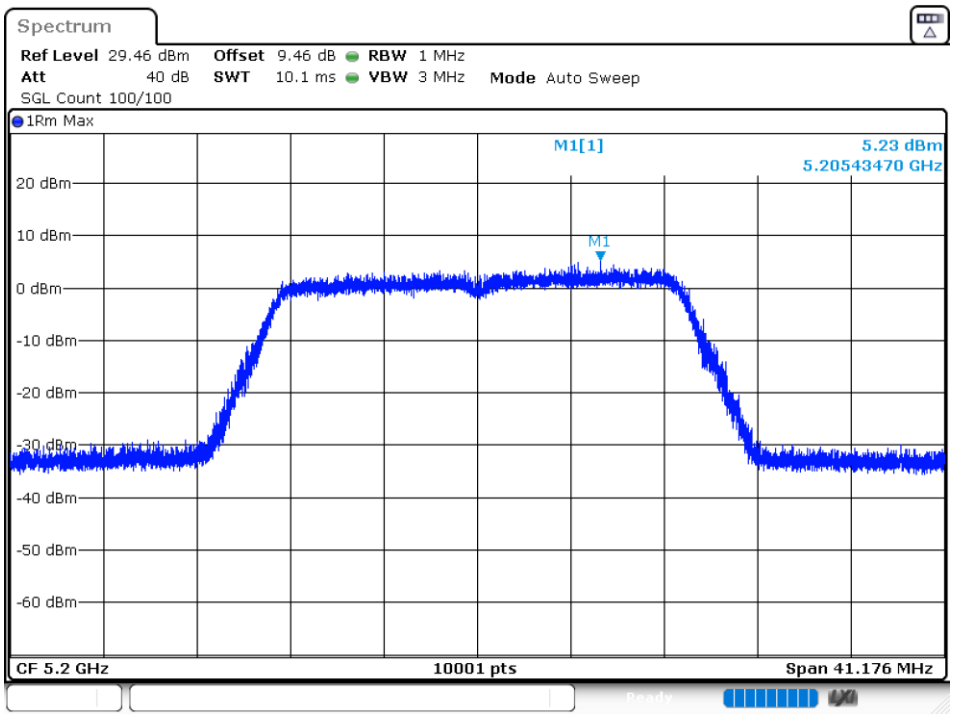
PSD NVNT 802.11n(HT20) 5180MHz Ant1



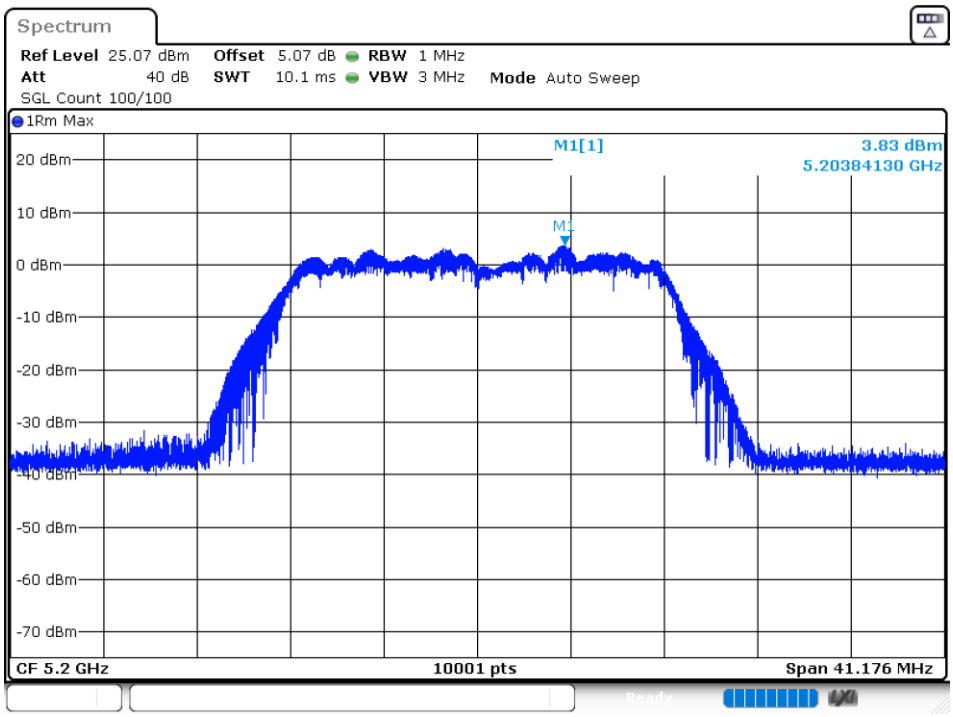
PSD NVNT 802.11n(HT20) 5180MHz Ant2



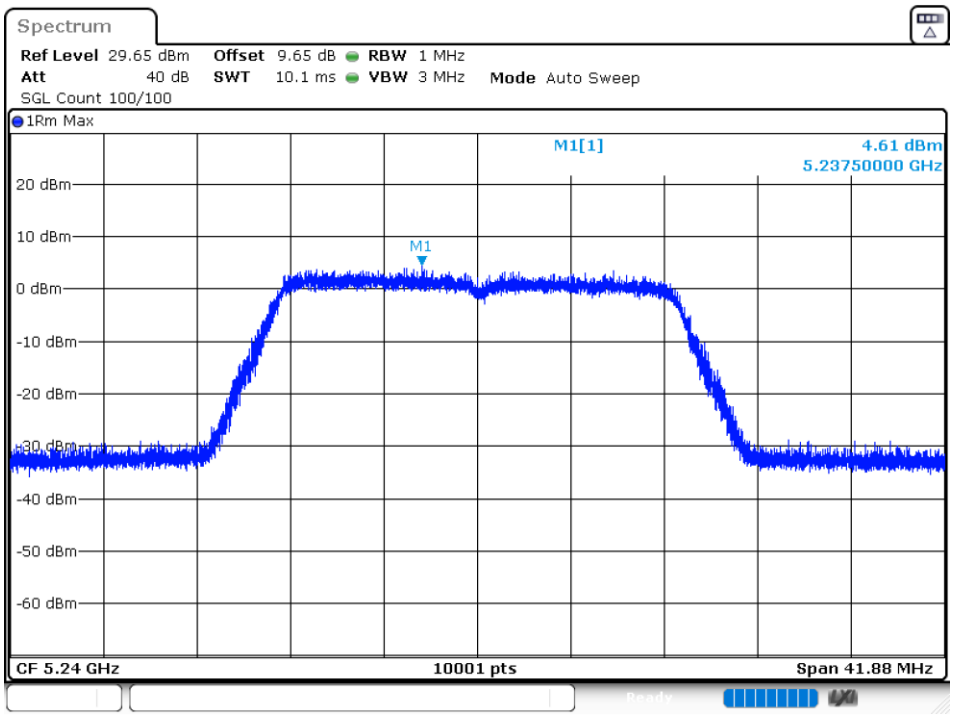
PSD NVNT 802.11n(HT20) 5200MHz Ant1



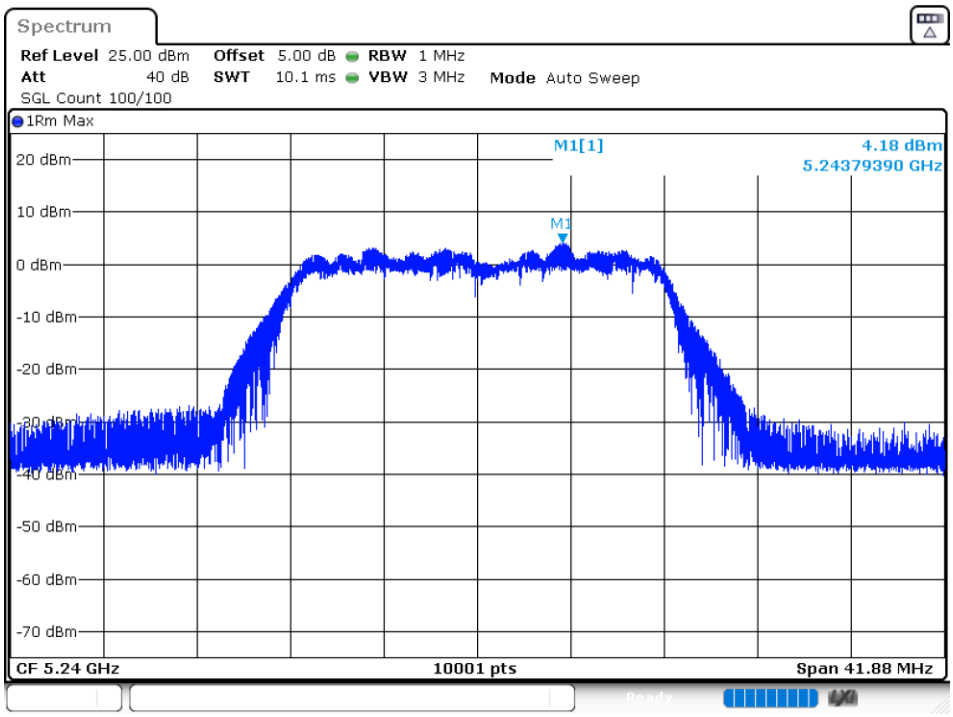
PSD NVNT 802.11n(HT20) 5200MHz Ant2



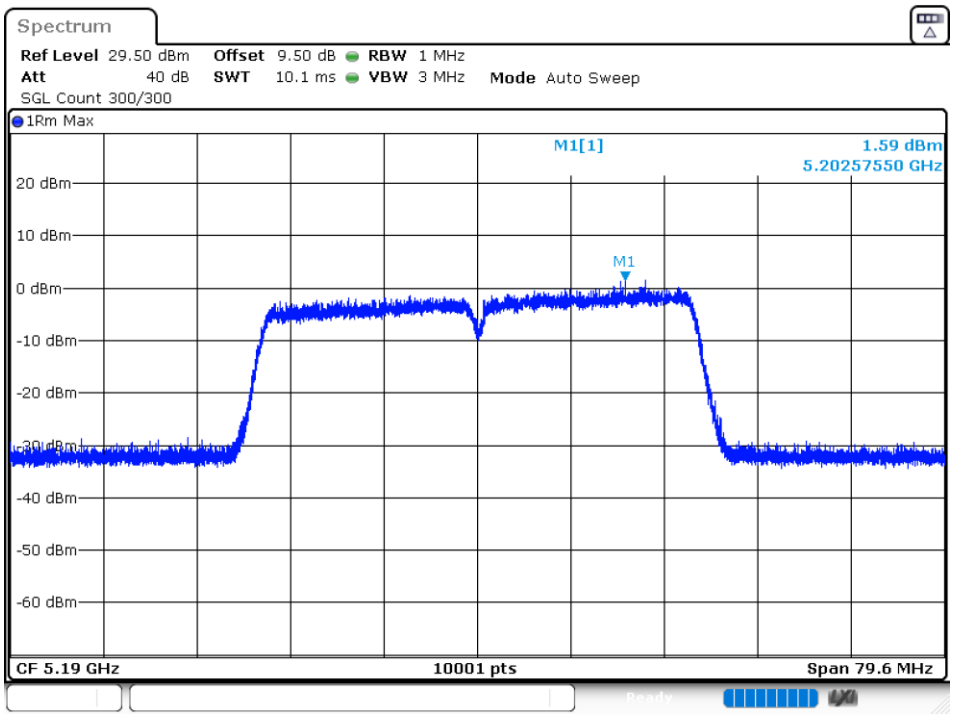
PSD NVNT 802.11n(HT20) 5240MHz Ant1



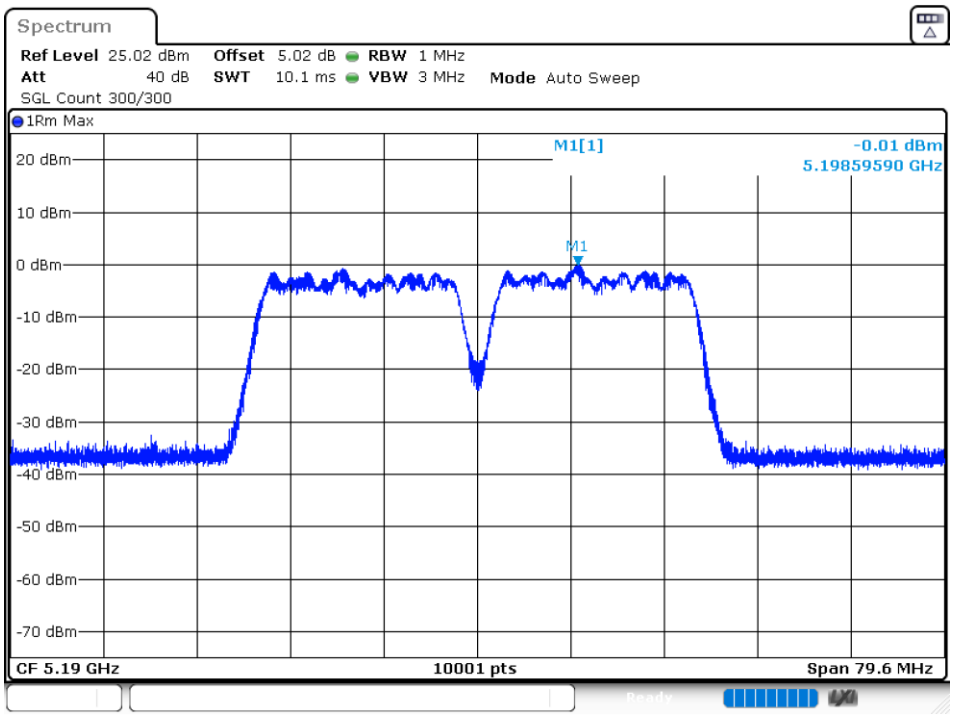
PSD NVNT 802.11n(HT20) 5240MHz Ant2



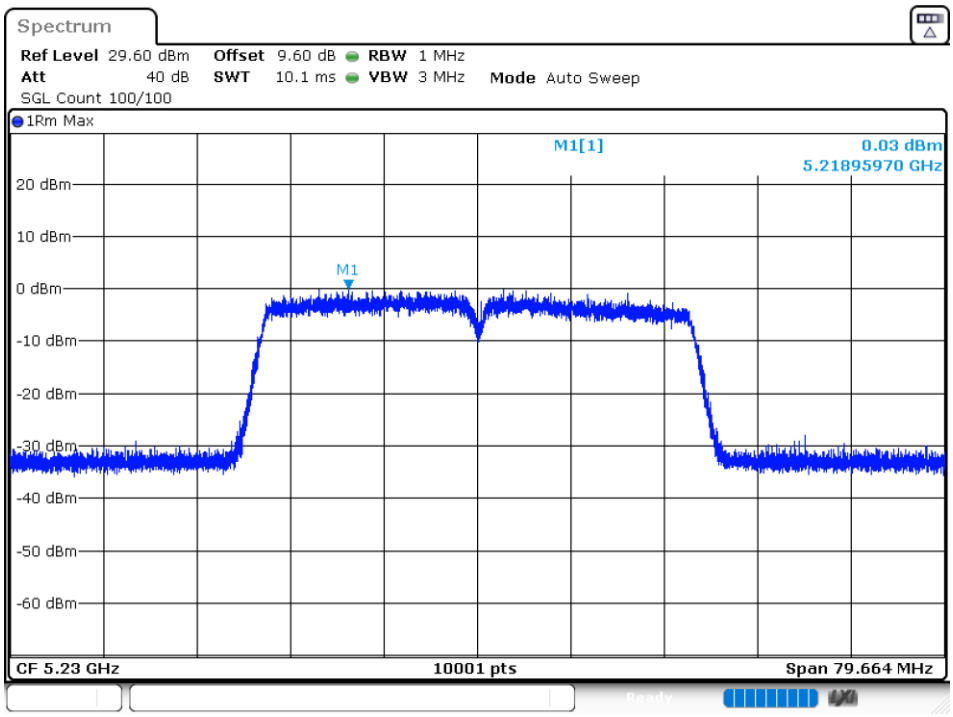
PSD NVNT 802.11n(HT40) 5190MHz Ant1



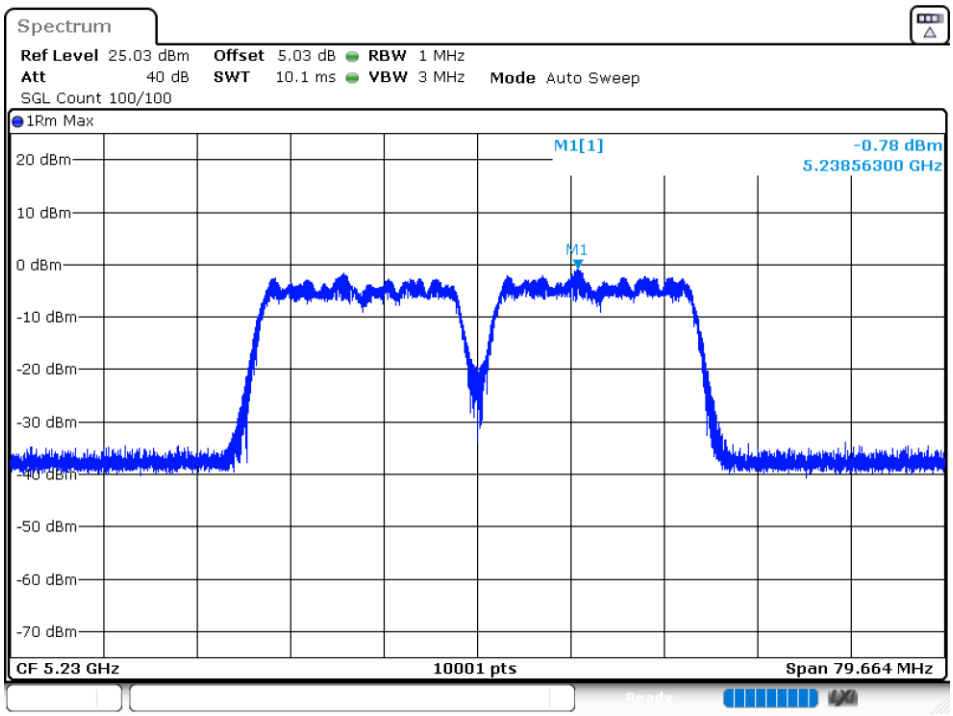
PSD NVNT 802.11n(HT40) 5190MHz Ant2



PSD NVNT 802.11n(HT40) 5230MHz Ant1



PSD NVNT 802.11n(HT40) 5230MHz Ant2

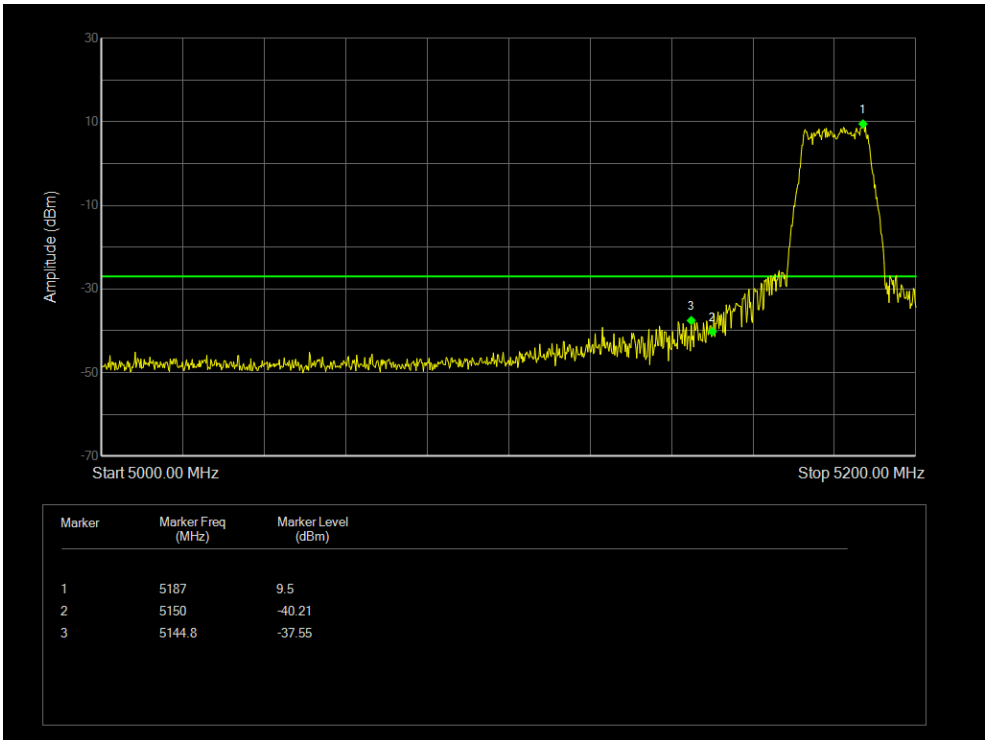


Band Edge - SISO

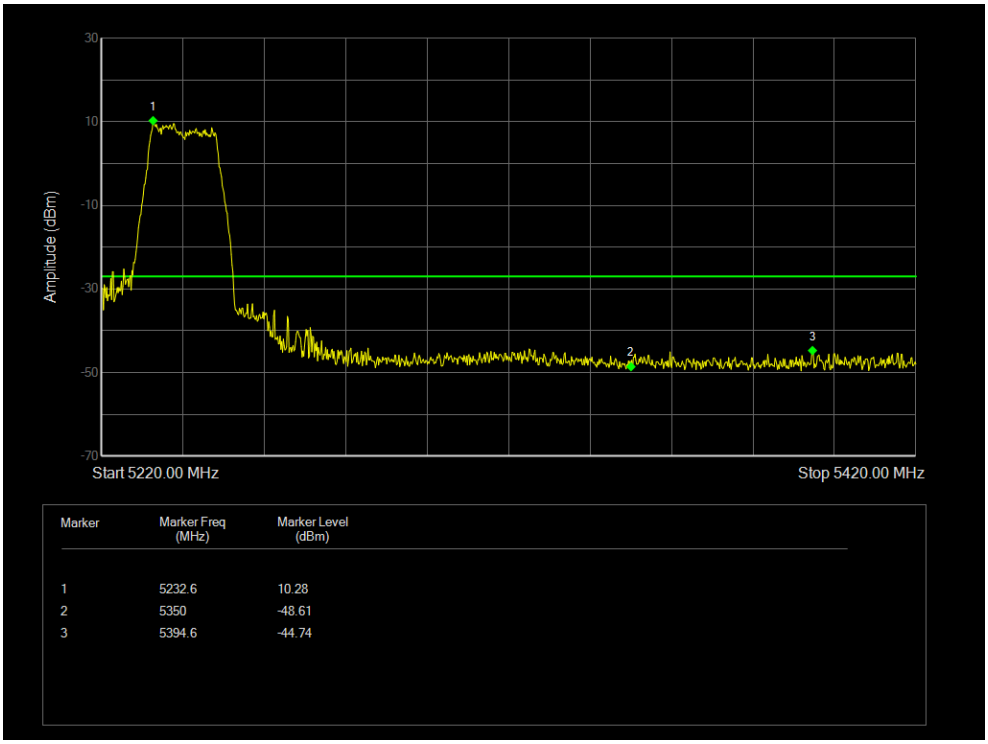
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-37.55	-27	Pass
NVNT	802.11a	5240	Ant 1	-44.74	-27	Pass
NVNT	802.11a	5180	Ant 2	-42.43	-27	Pass
NVNT	802.11a	5240	Ant 2	-44.21	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-30.58	-27	Pass

NVNT	802.11ac20	5240	Ant 1	-44.5	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-42.2	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-44.52	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-38.16	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-44.81	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-43.71	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-44.19	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-44.49	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-41.7	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-43.76	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-42.77	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-38.31	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-44.32	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-43.56	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-43.75	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-39.72	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-45.49	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-40.52	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-44.57	-27	Pass

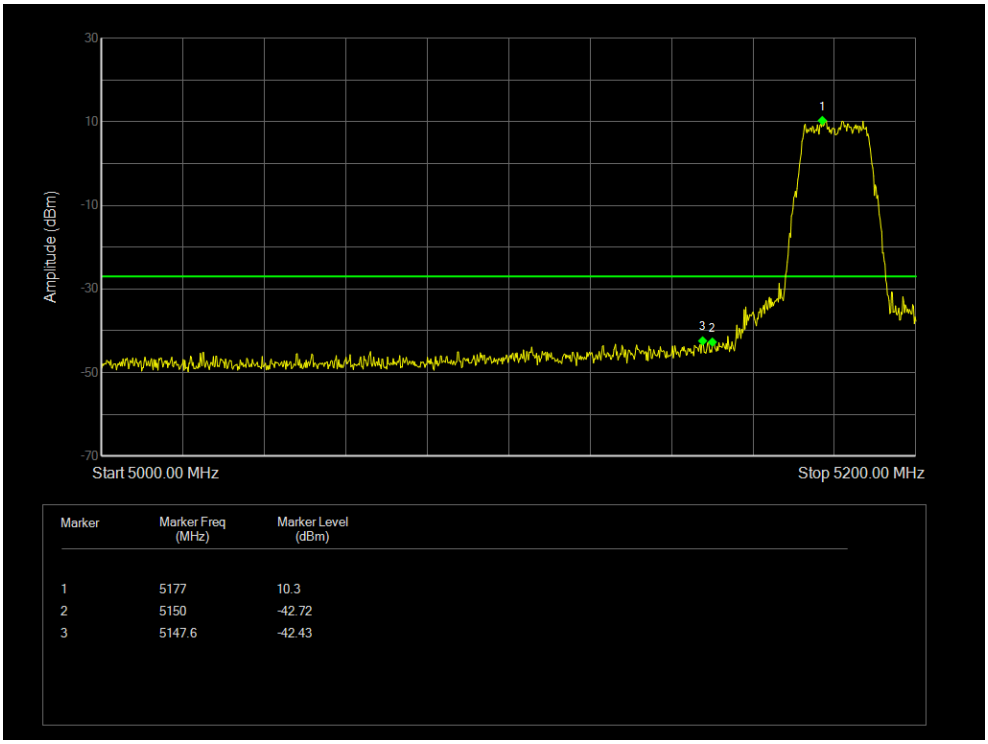
Band Edge NVNT 802.11a 5180MHz Low Ant 1



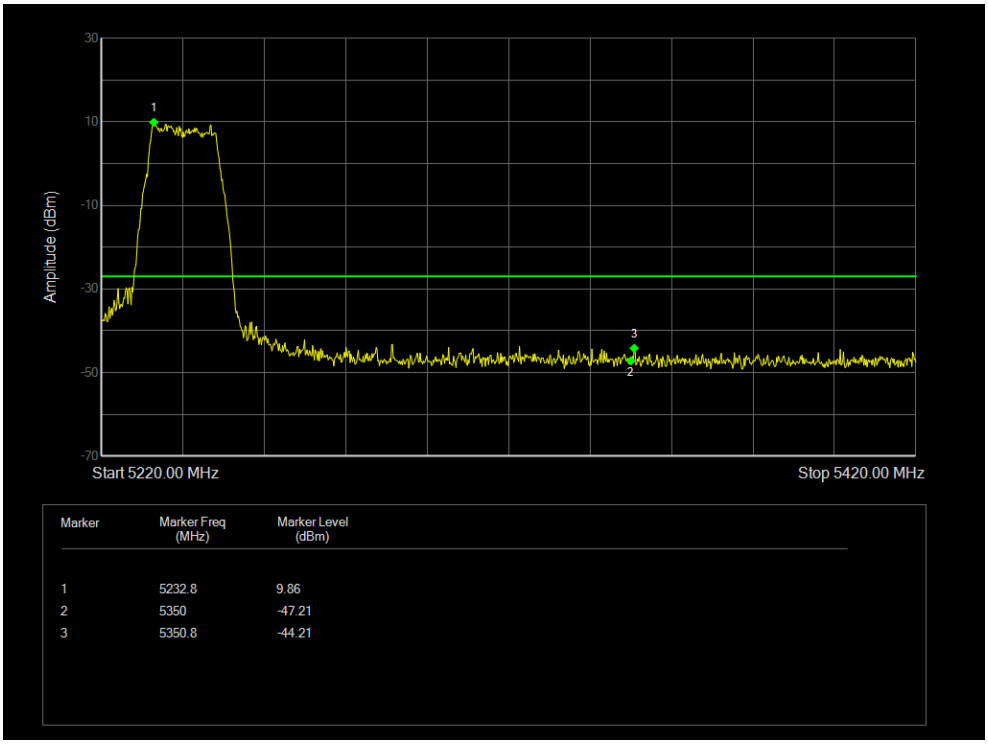
Band Edge NVNT 802.11a 5240MHz High Ant 1



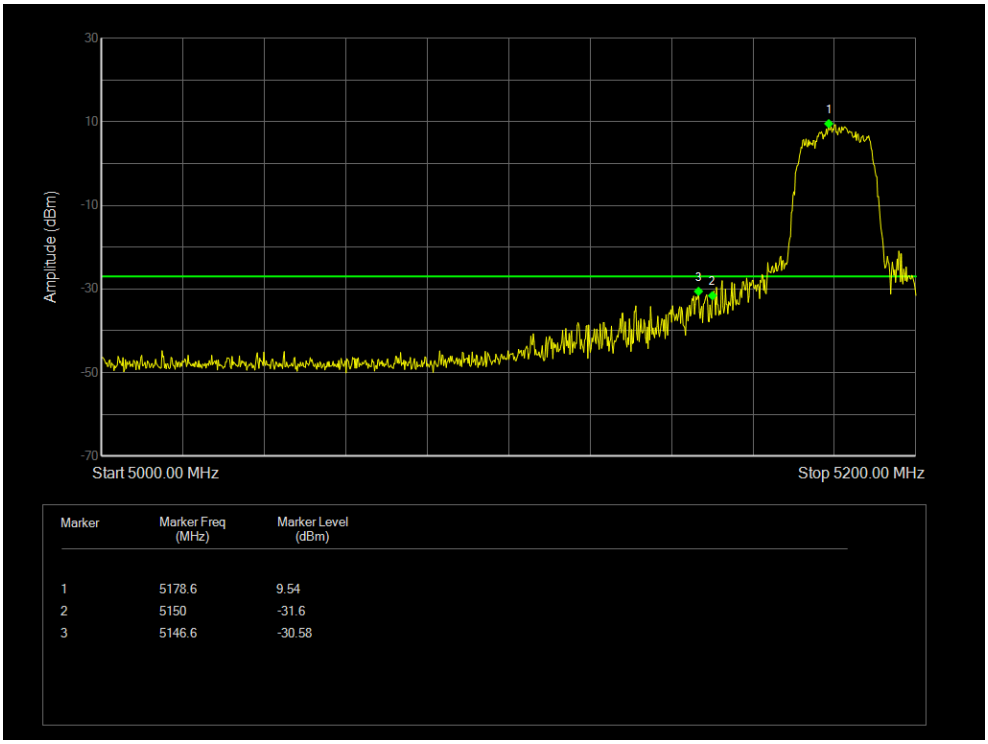
Band Edge NVNT 802.11a 5180MHz Low Ant 2



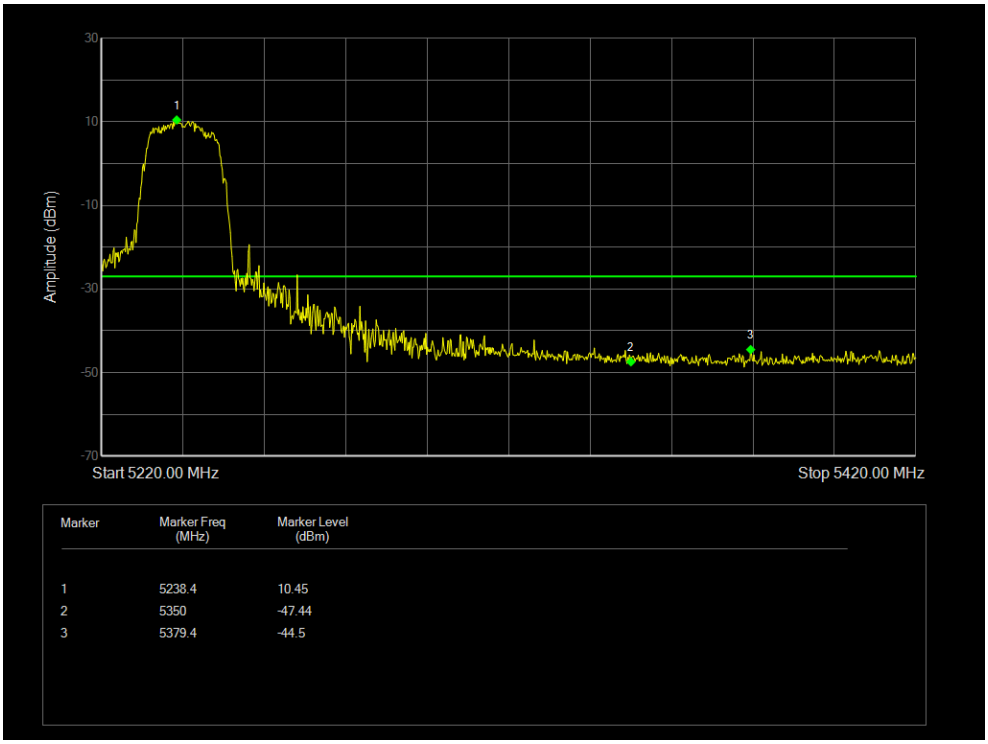
Band Edge NVNT 802.11a 5240MHz High Ant 2



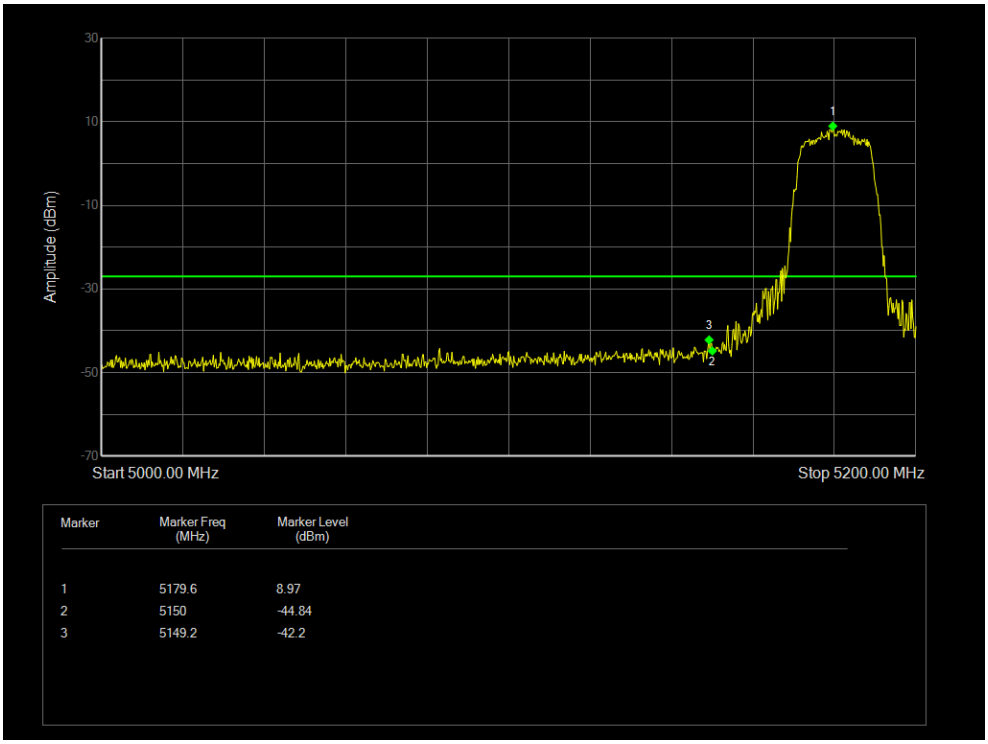
Band Edge NVNT 802.11ac20 5180MHz Low Ant 1



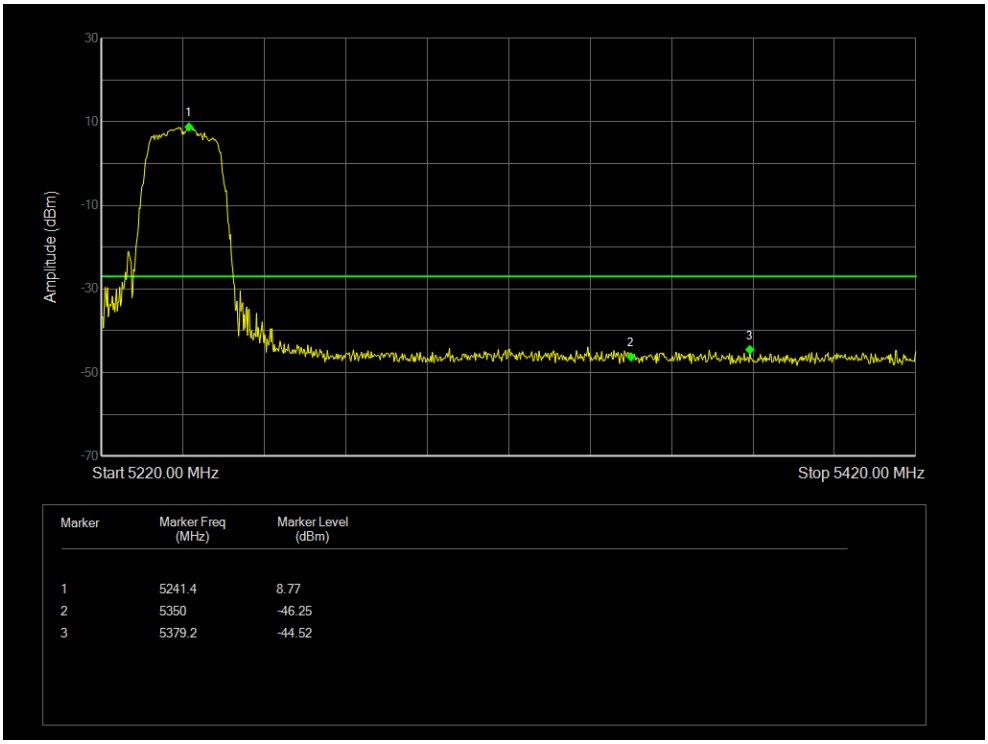
Band Edge NVNT 802.11ac20 5240MHz High Ant 1



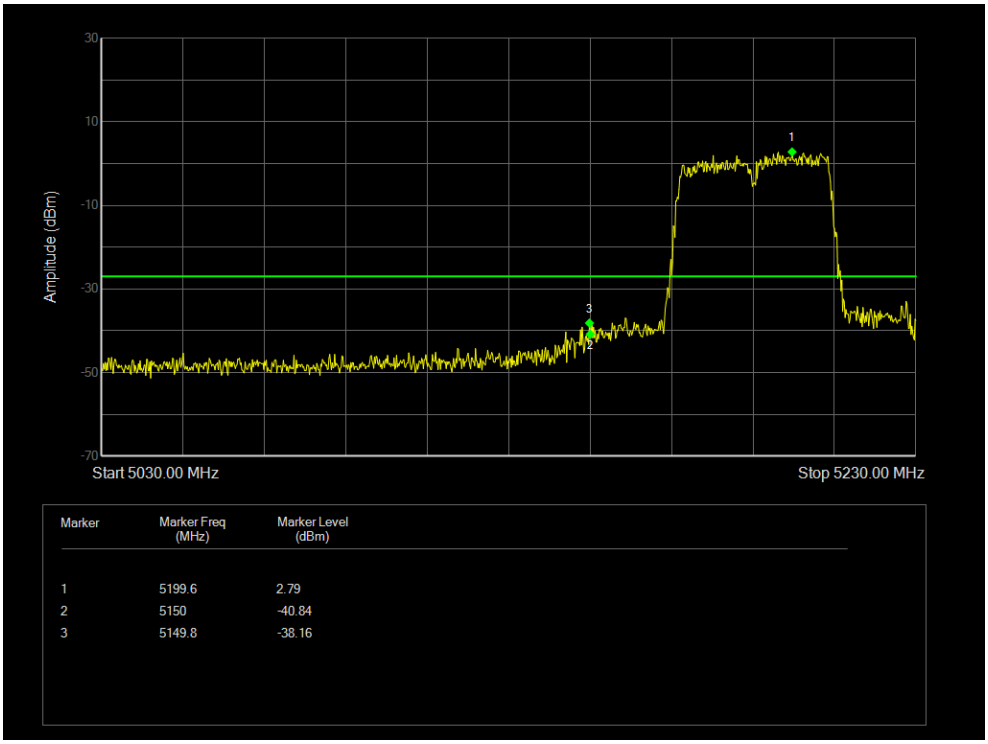
Band Edge NVNT 802.11ac20 5180MHz Low Ant 2



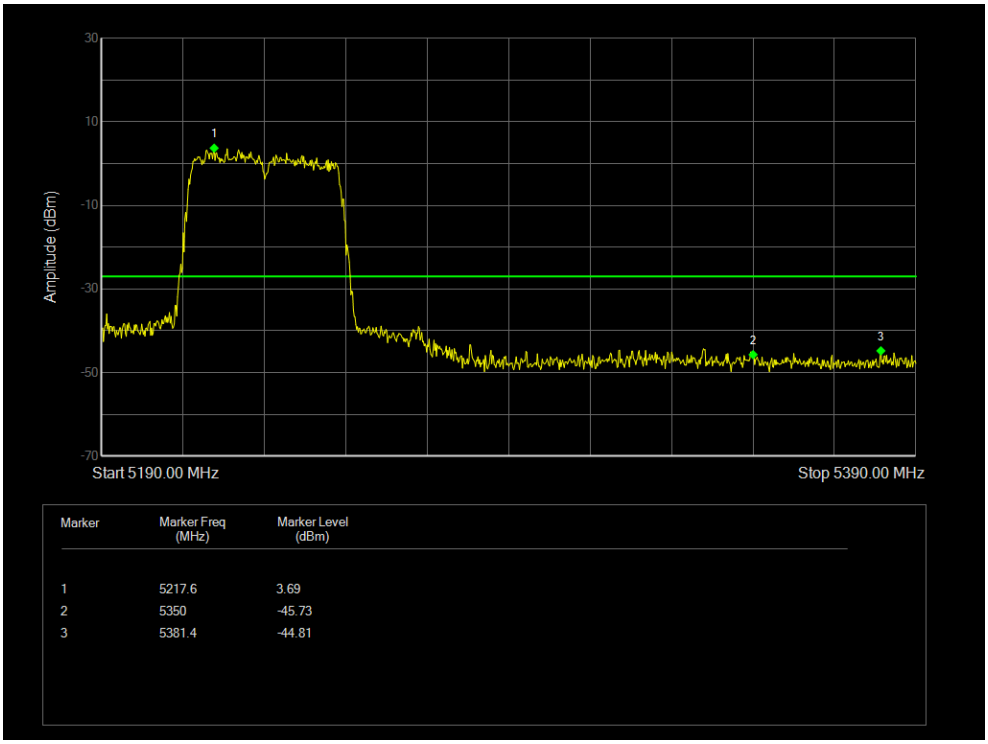
Band Edge NVNT 802.11ac20 5240MHz High Ant 2



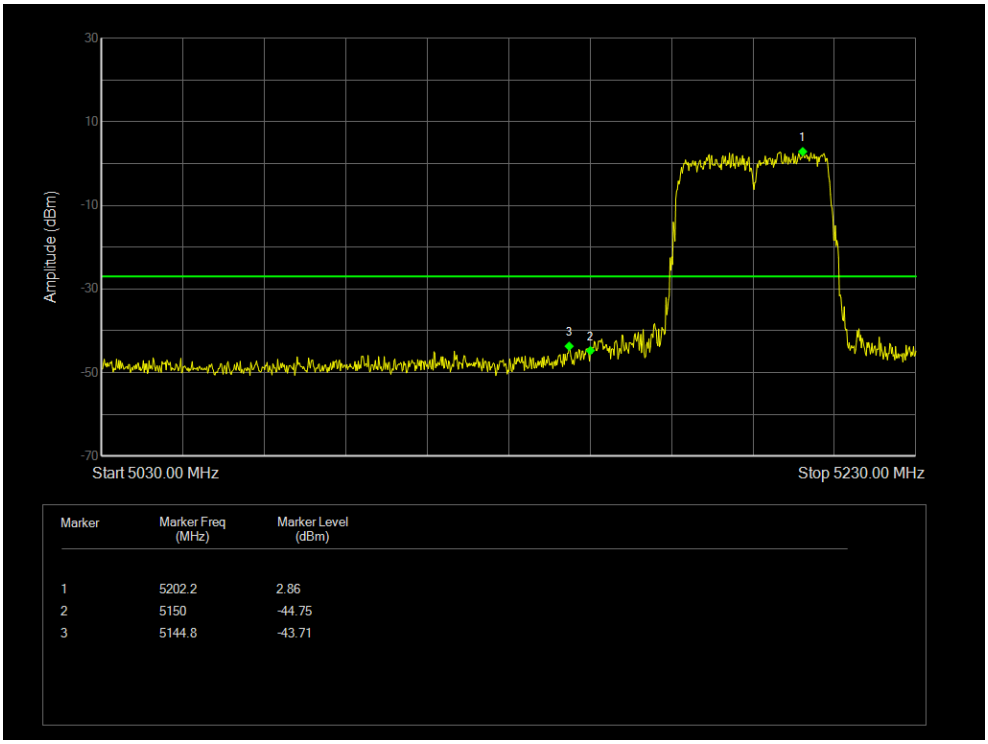
Band Edge NVNT 802.11ac40 5190MHz Low Ant 1



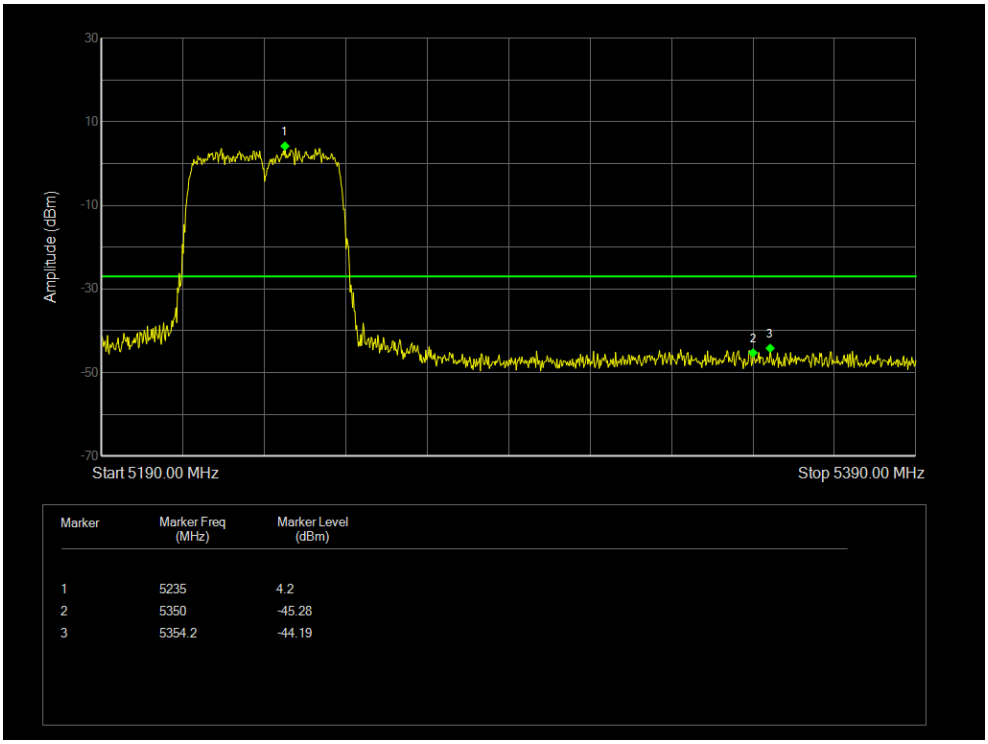
Band Edge NVNT 802.11ac40 5230MHz High Ant 1



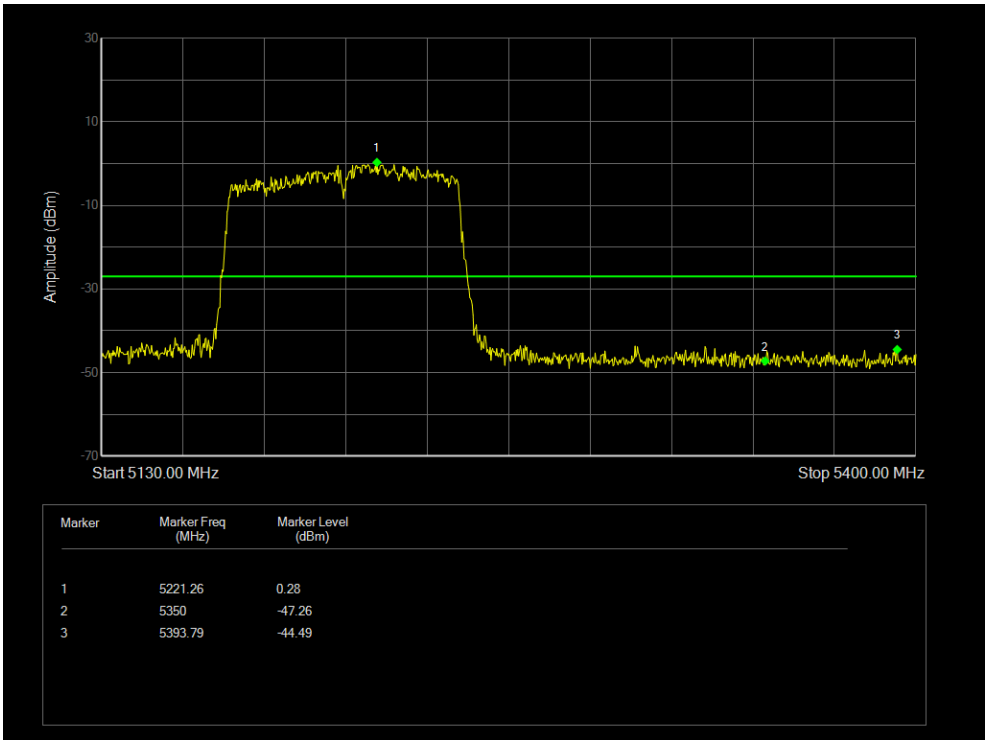
Band Edge NVNT 802.11ac40 5190MHz Low Ant 2



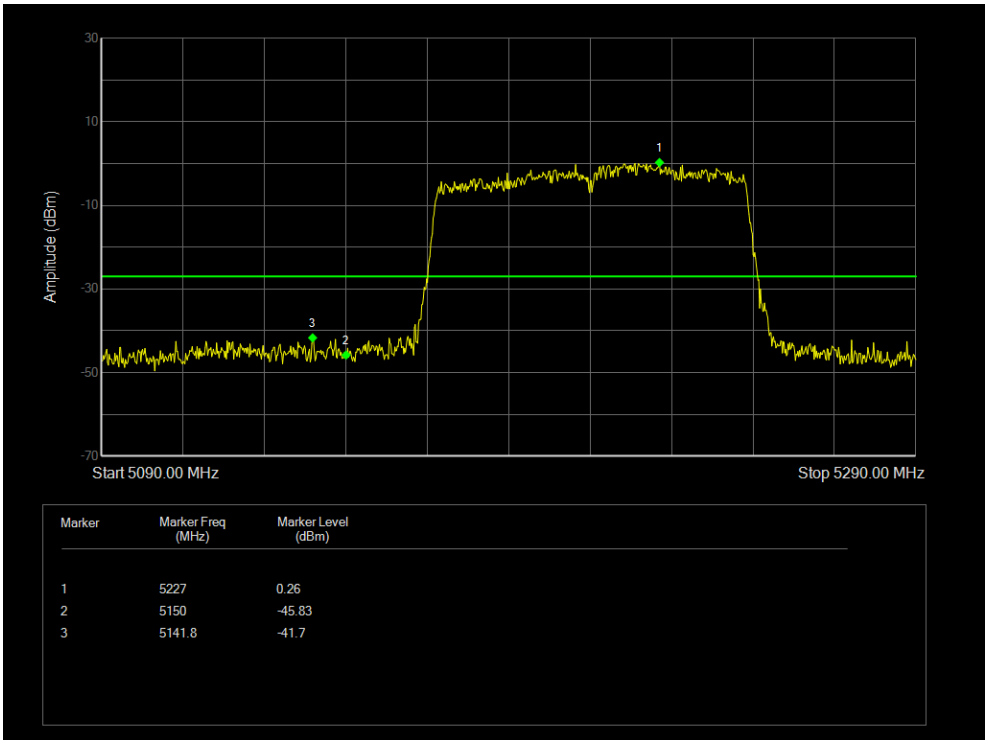
Band Edge NVNT 802.11ac40 5230MHz High Ant 2



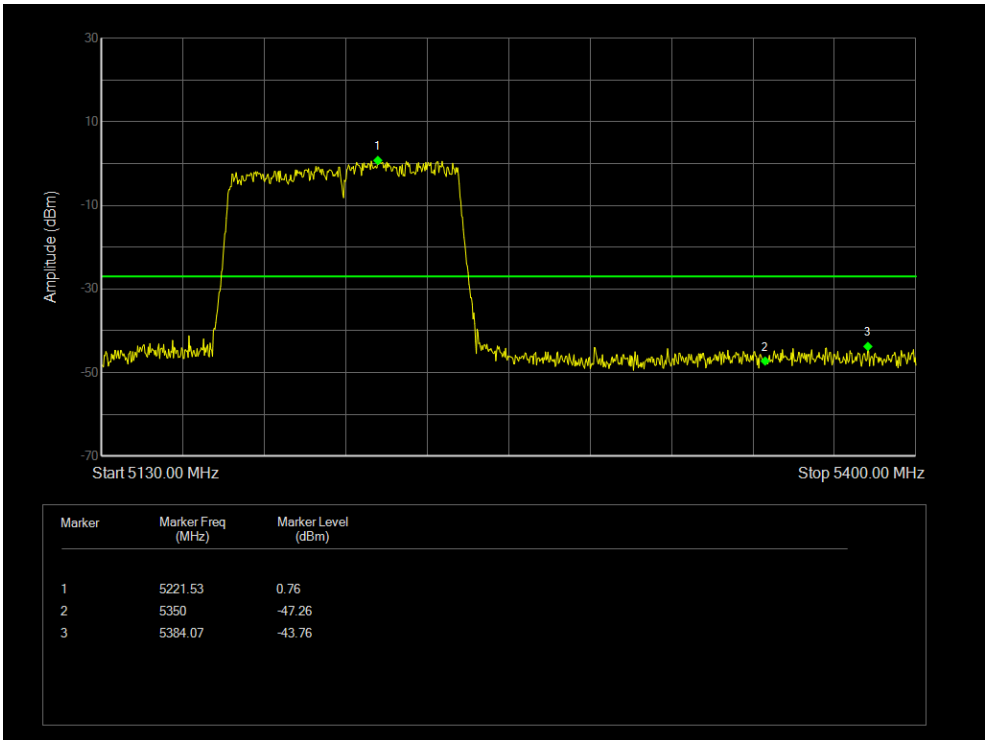
Band Edge NVNT 802.11ac80 5210MHz High Ant 1



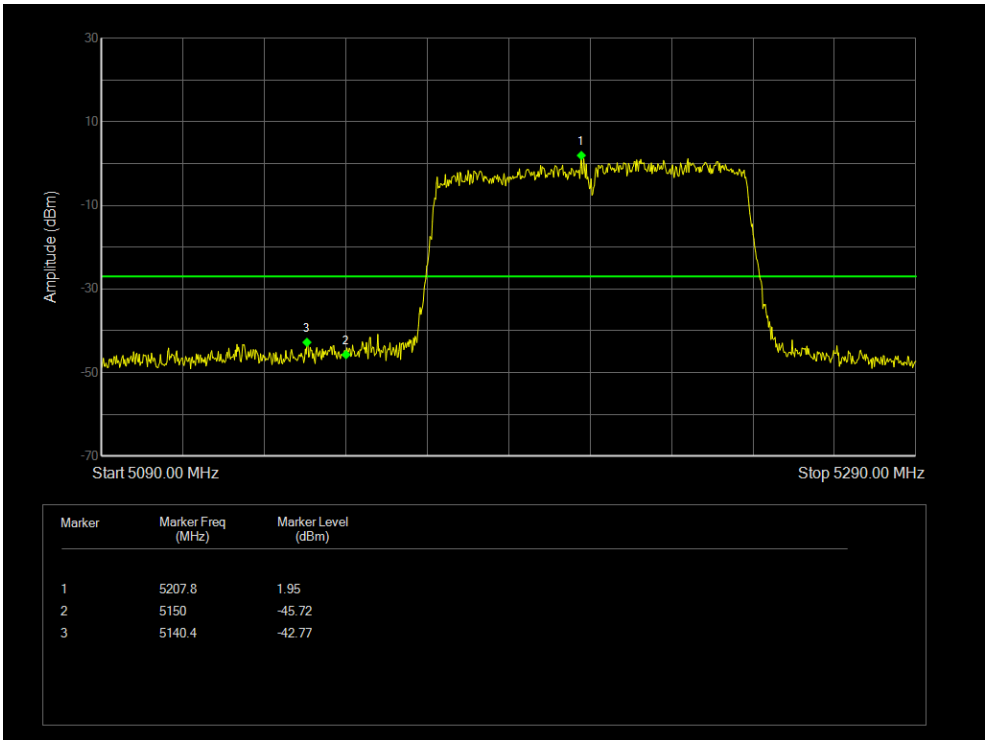
Band Edge NVNT 802.11ac80 5210MHz Low Ant 1



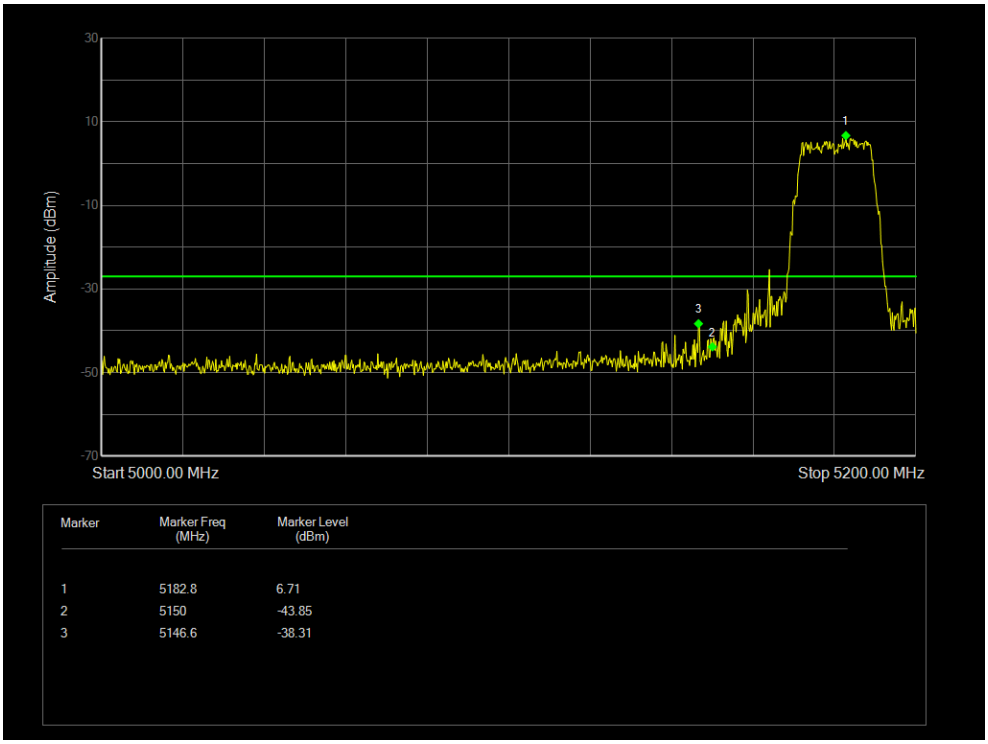
Band Edge NVNT 802.11ac80 5210MHz High Ant 2



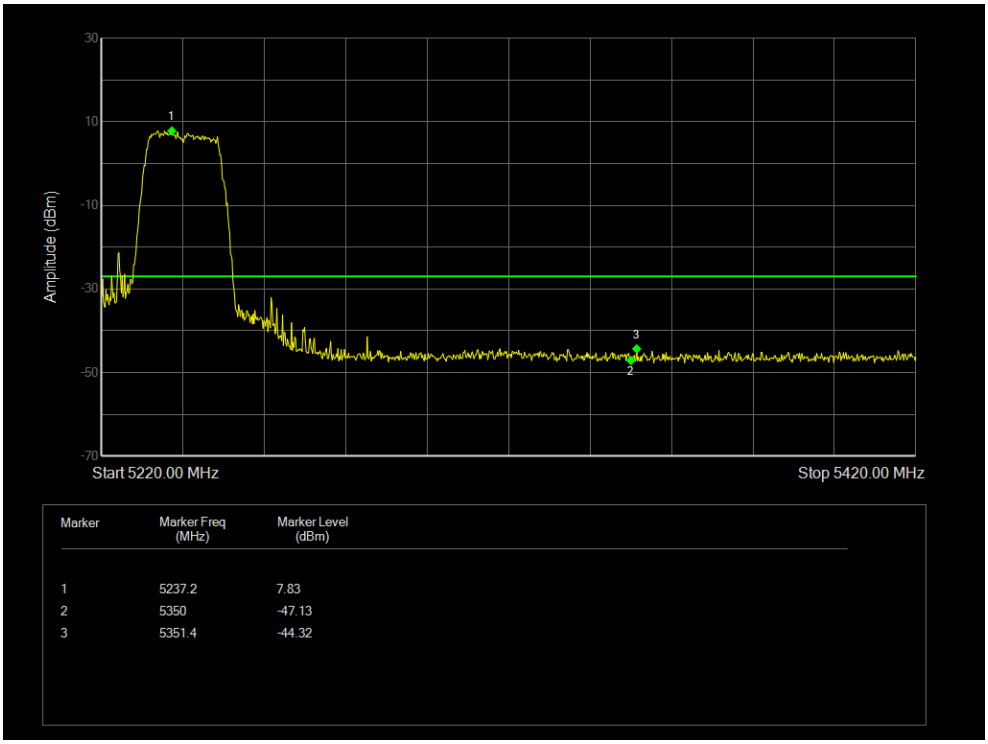
Band Edge NVNT 802.11ac80 5210MHz Low Ant 2



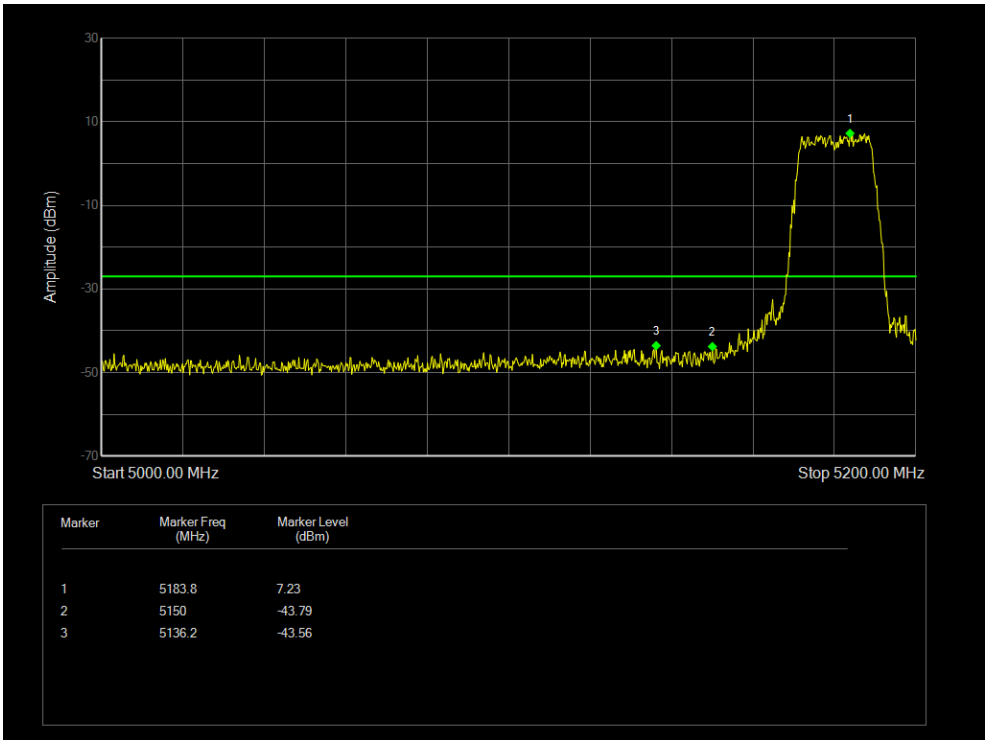
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 1



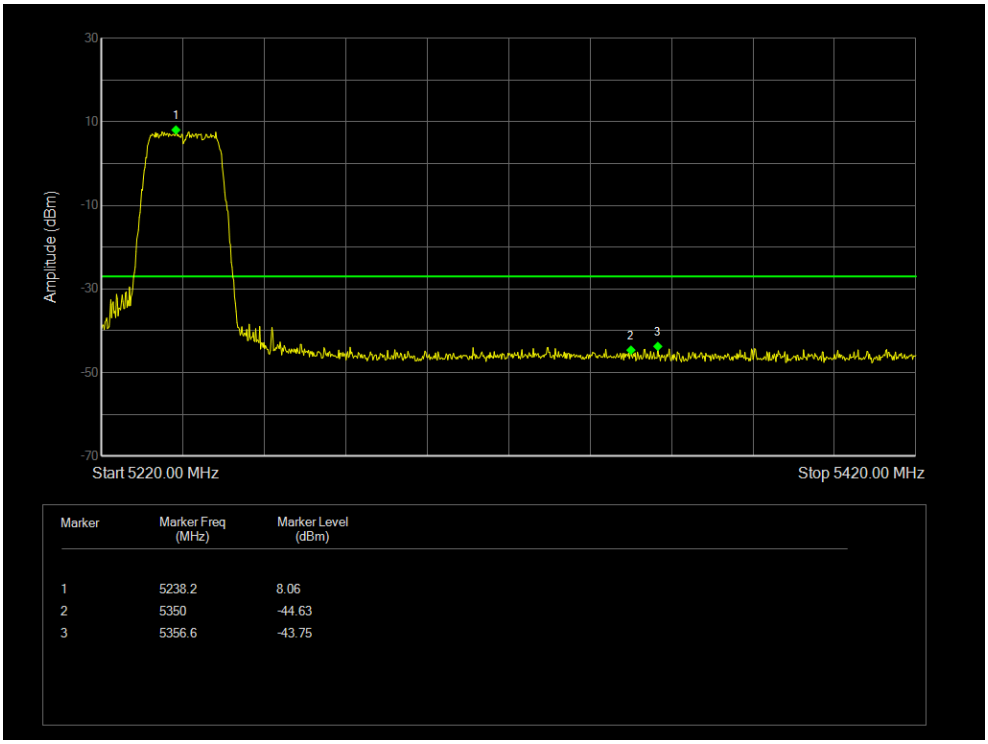
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 1



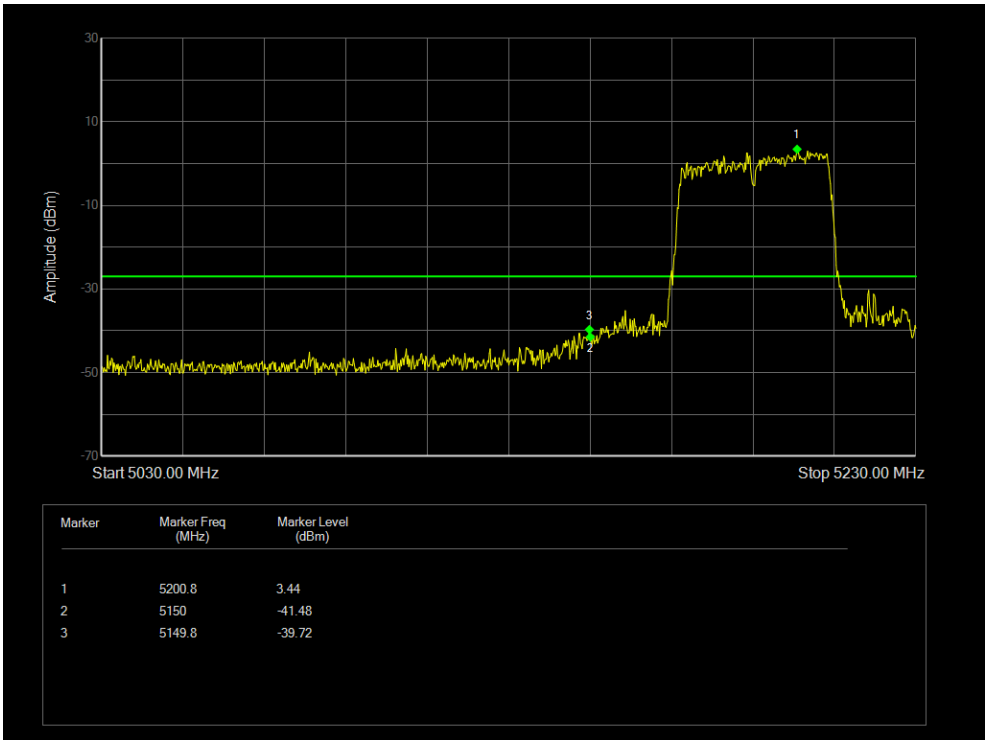
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 2



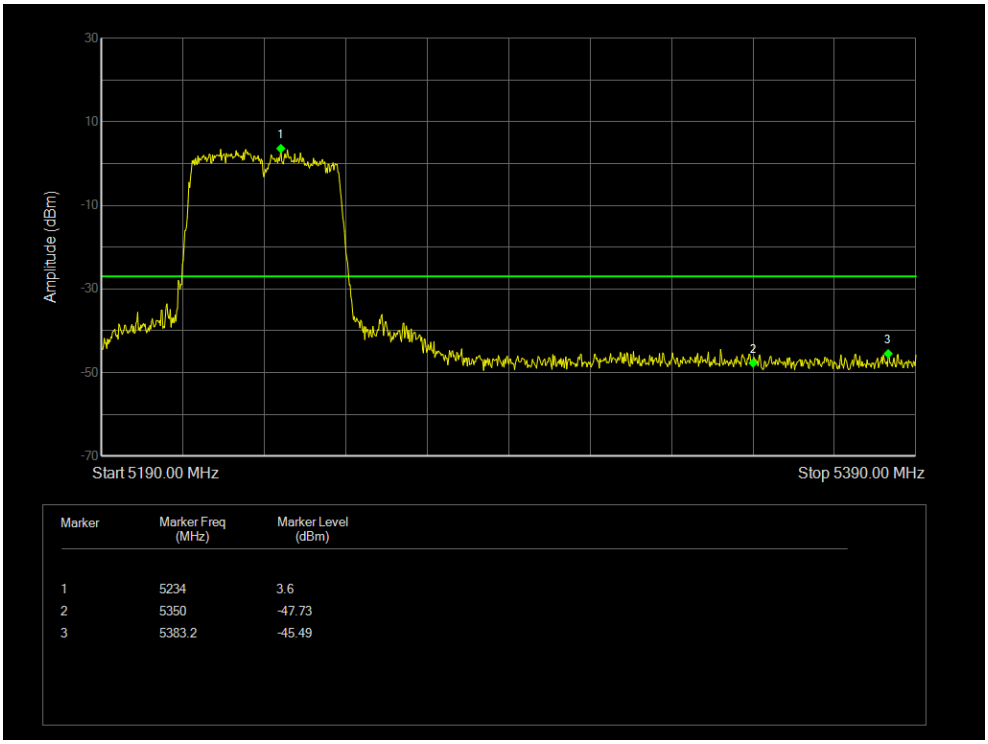
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 2



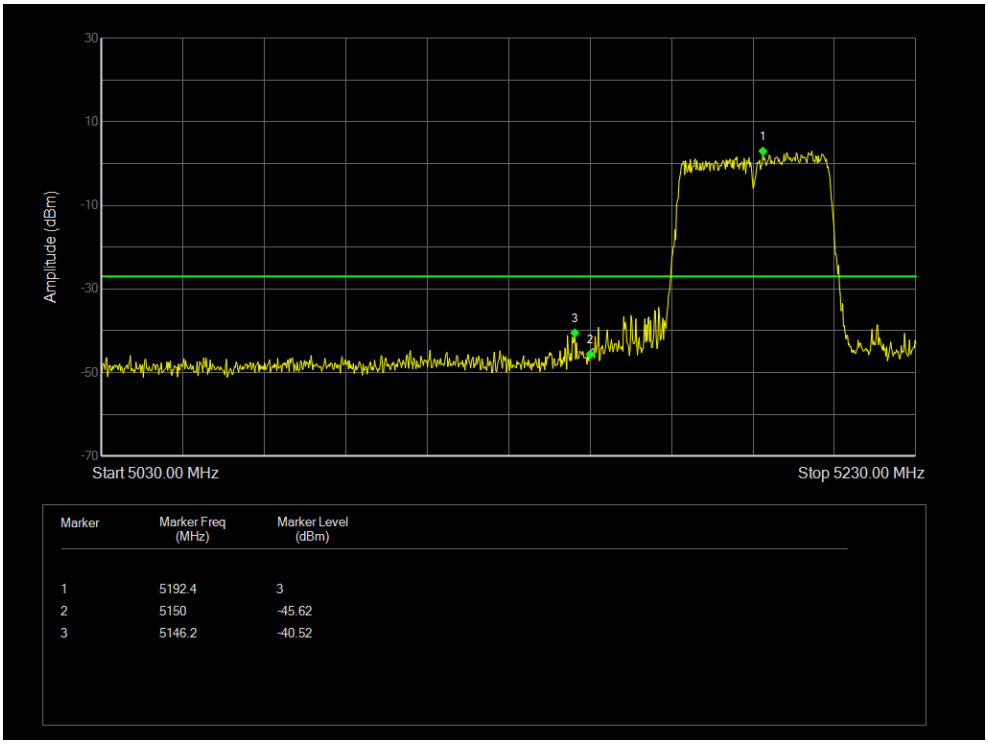
Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 1



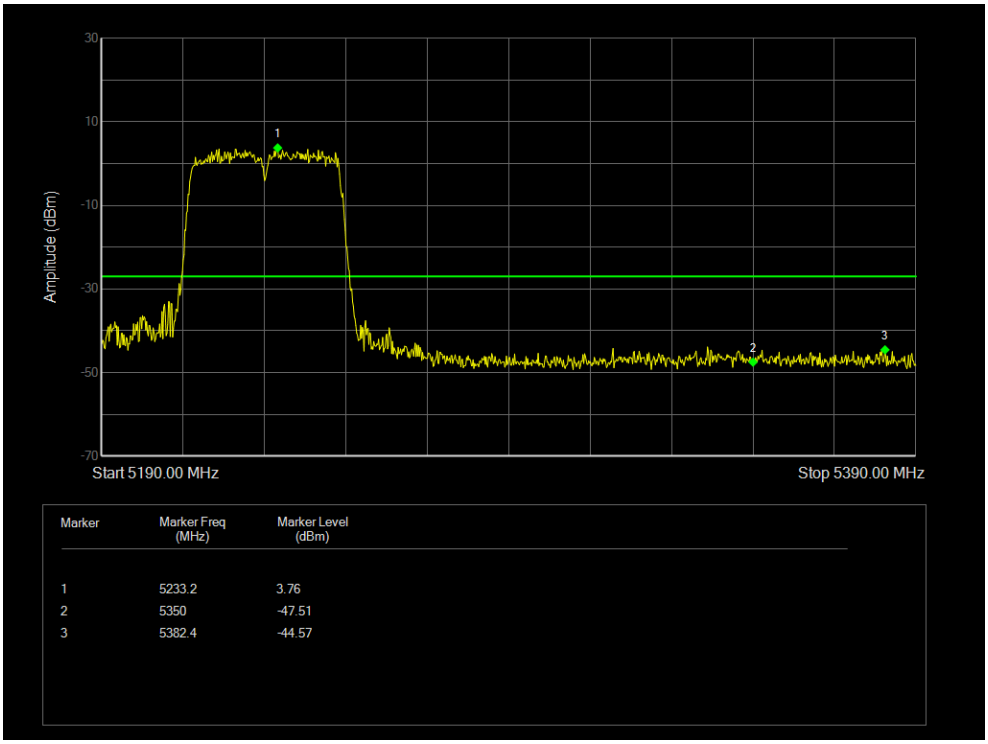
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant 1



Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 2



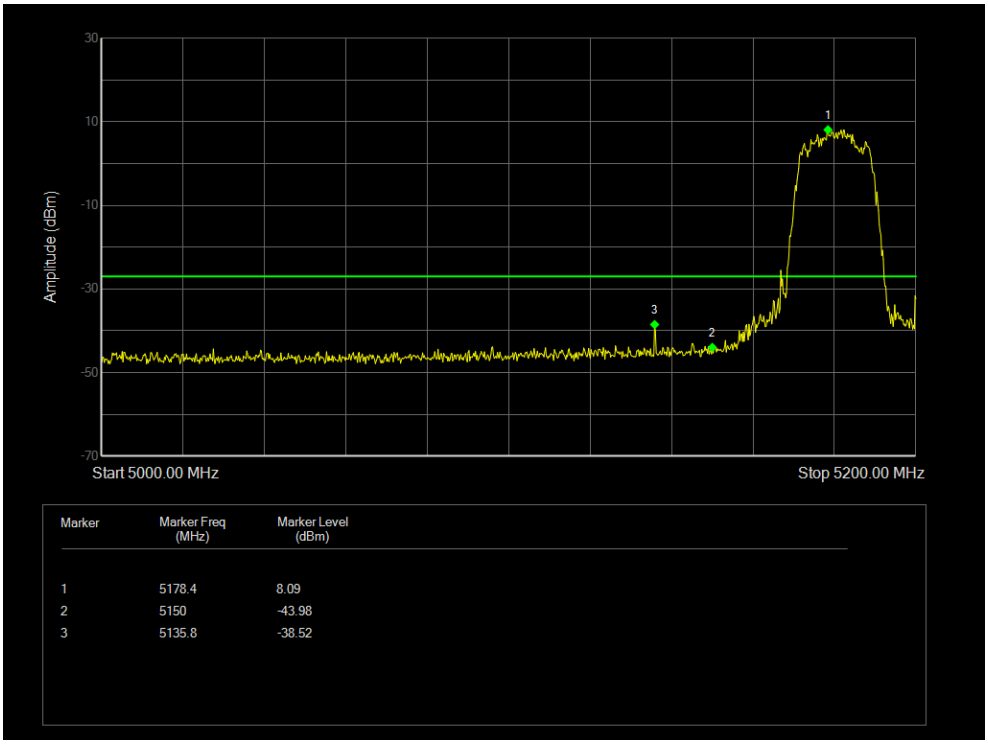
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant 2



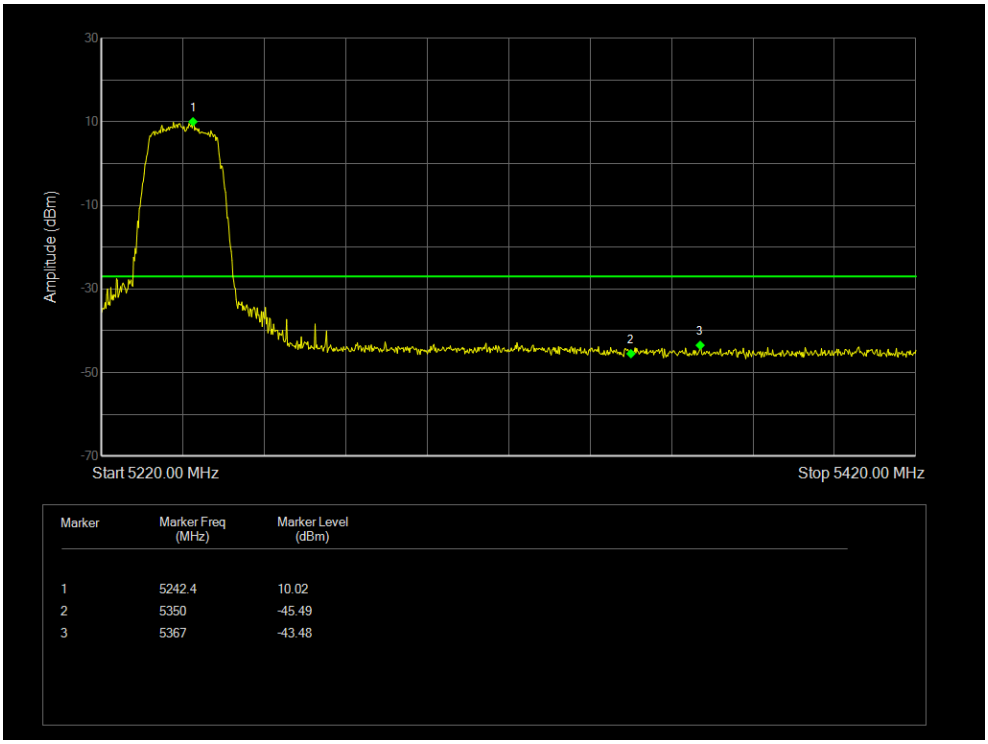
Band Edge - MIMO

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5180	Sum	-38.52	-27	Pass
NVNT	802.11ac20	5240	Sum	-43.48	-27	Pass
NVNT	802.11ac40	5190	Sum	-39.53	-27	Pass
NVNT	802.11ac40	5230	Sum	-43	-27	Pass
NVNT	802.11ac80	5210	Sum	-42.45	-27	Pass
NVNT	802.11ac80	5210	Sum	-41.15	-27	Pass
NVNT	802.11n(HT20)	5180	Sum	-35.2	-27	Pass
NVNT	802.11n(HT20)	5240	Sum	-43.21	-27	Pass
NVNT	802.11n(HT40)	5190	Sum	-38.23	-27	Pass
NVNT	802.11n(HT40)	5230	Sum	-43.21	-27	Pass

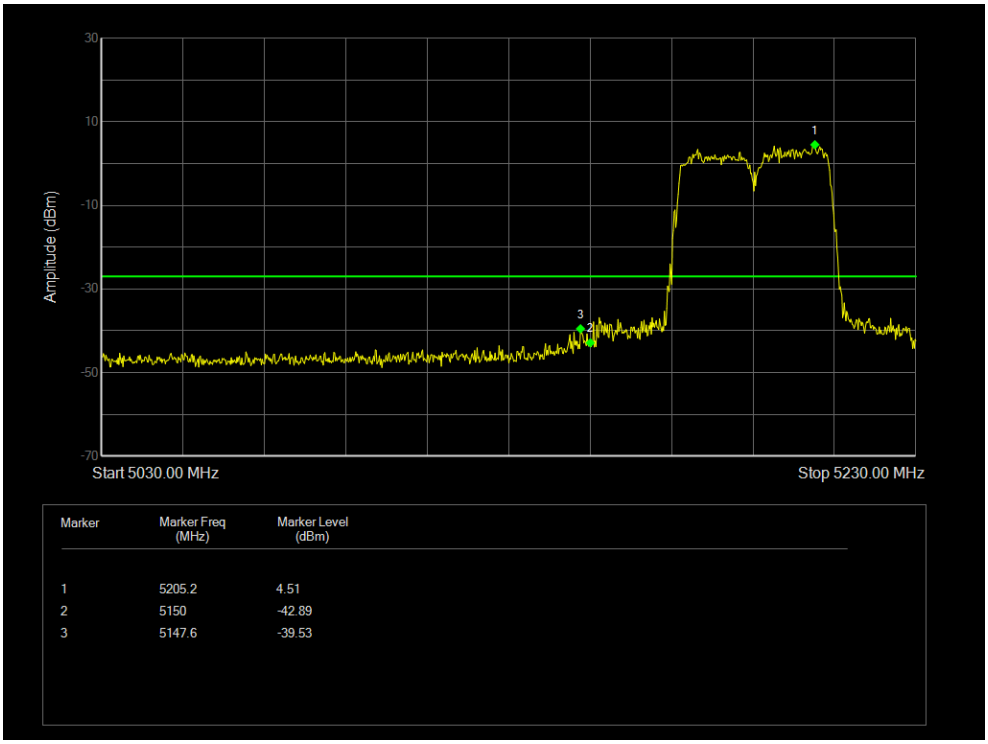
Band Edge NVNT 802.11ac20 5180MHz Low Sum



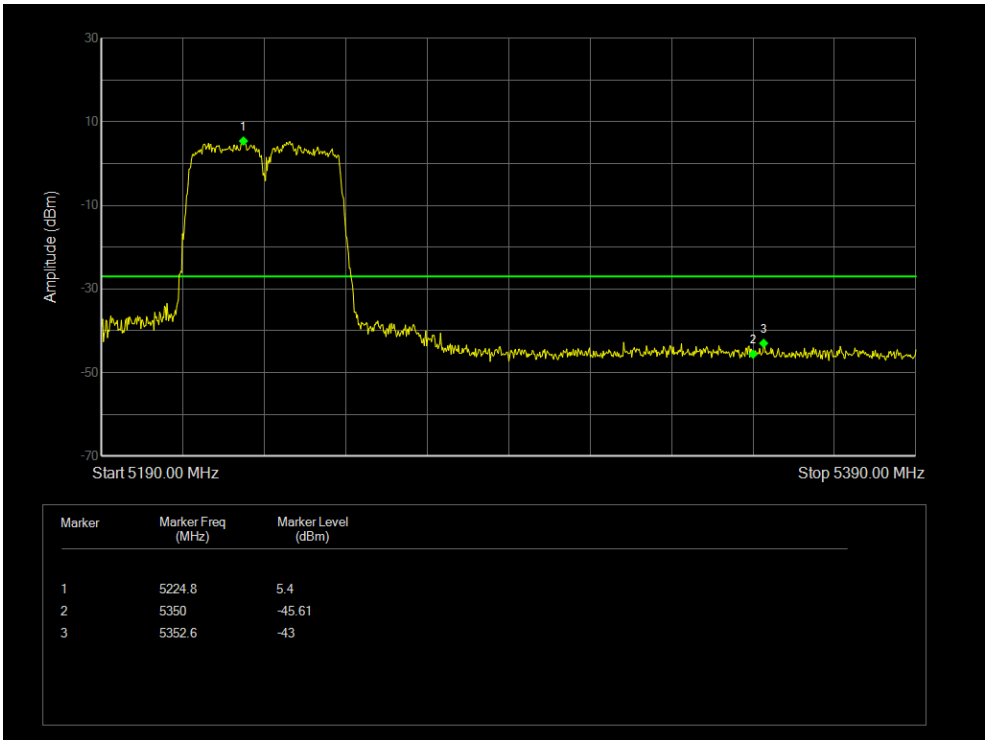
Band Edge NVNT 802.11ac20 5240MHz High Sum



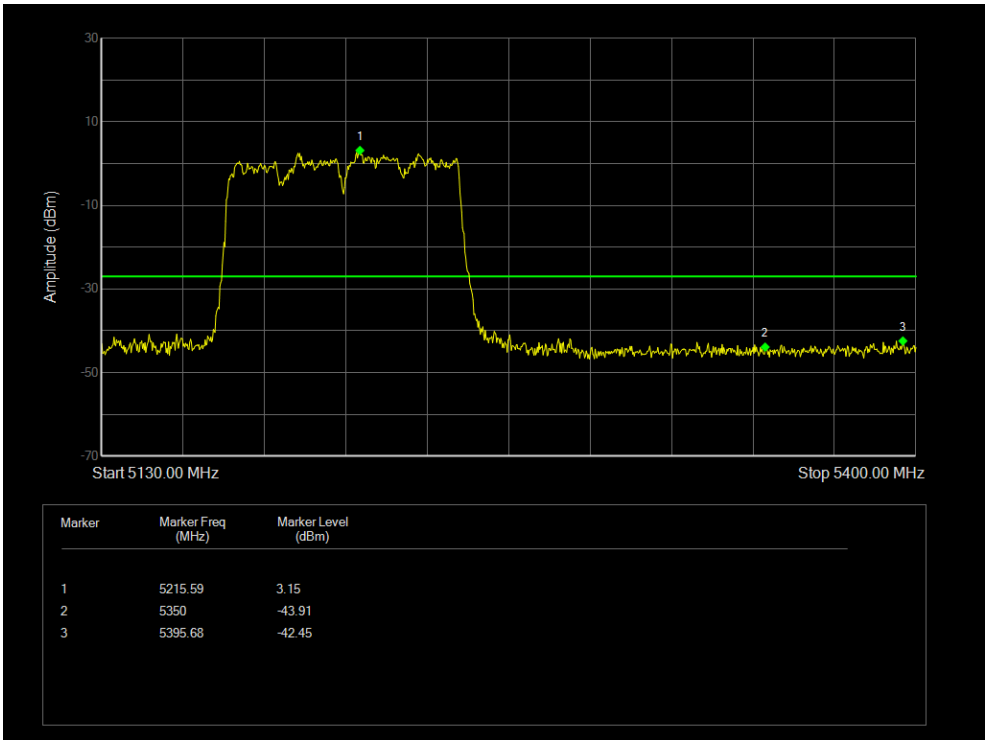
Band Edge NVNT 802.11ac40 5190MHz Low Sum



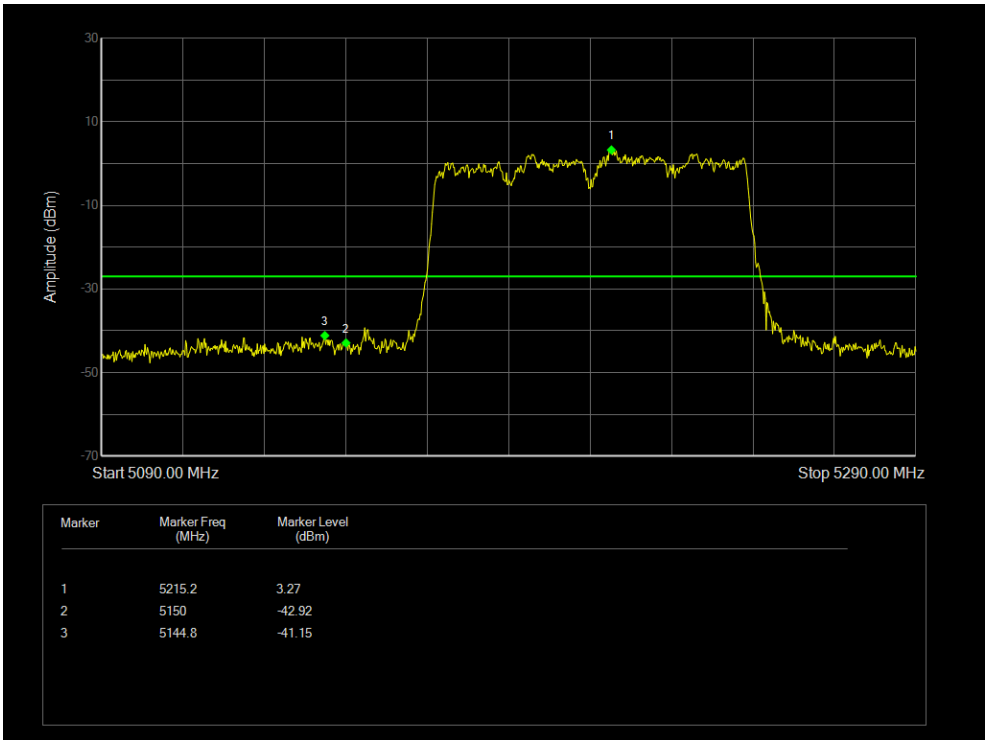
Band Edge NVNT 802.11ac40 5230MHz High Sum



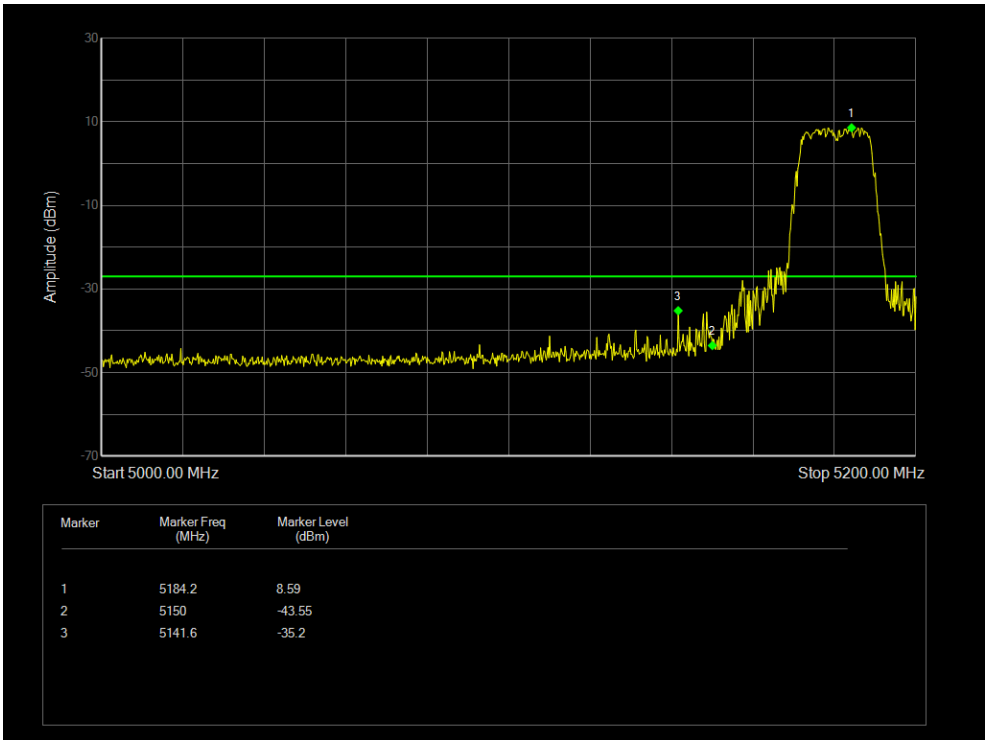
Band Edge NVNT 802.11ac80 5210MHz High Sum



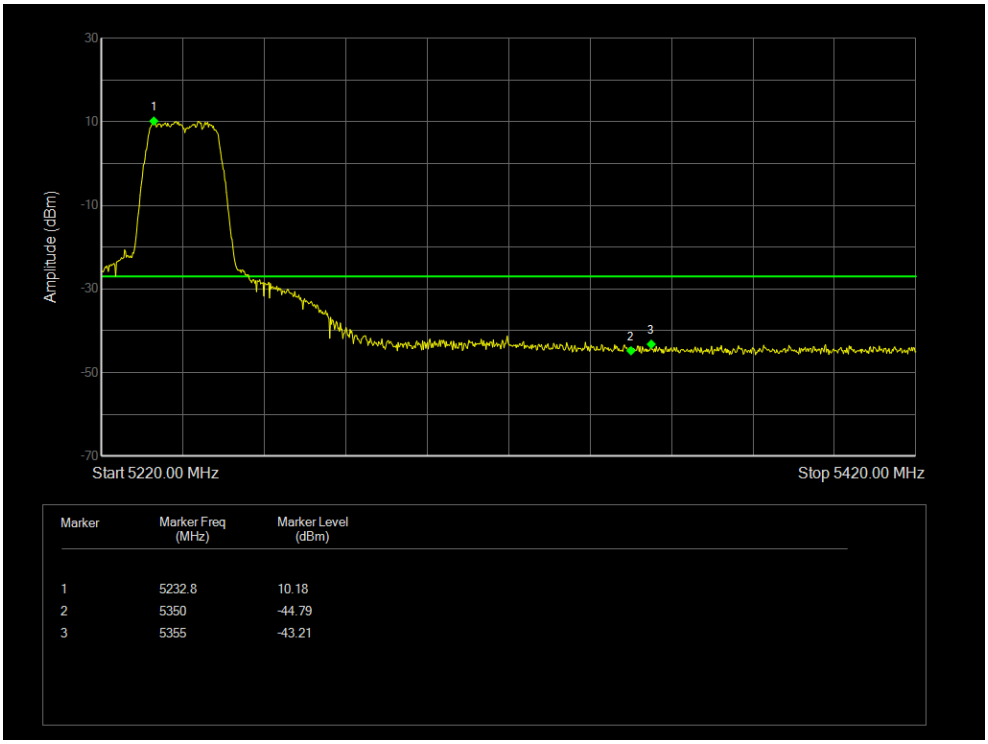
Band Edge NVNT 802.11ac80 5210MHz Low Sum



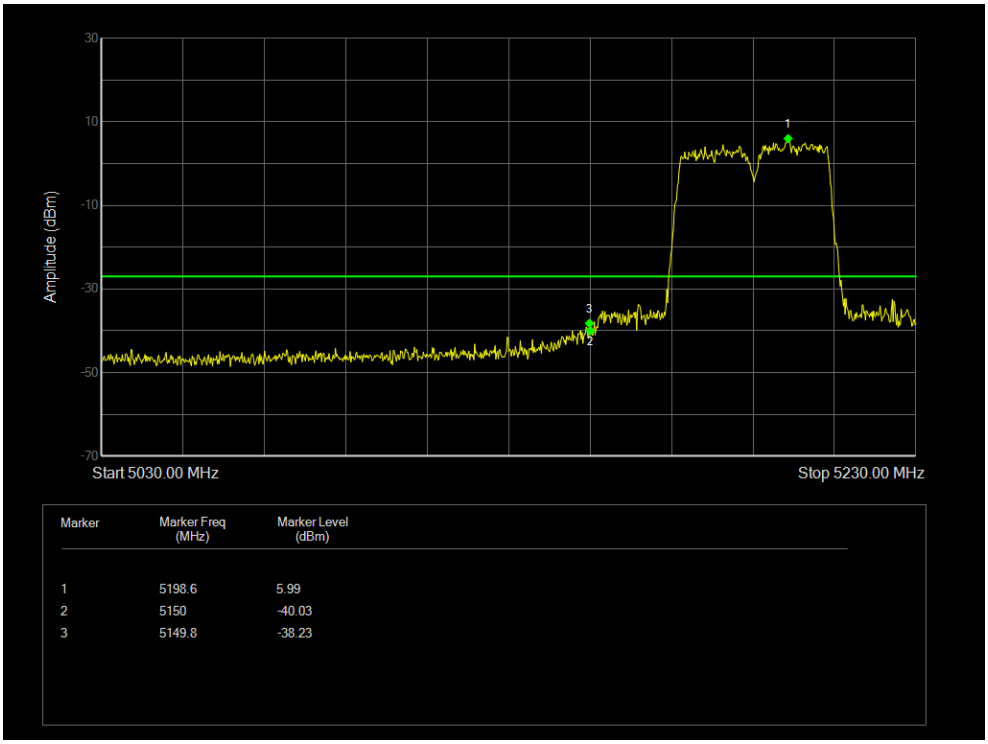
Band Edge NVNT 802.11n(HT20) 5180MHz Low Sum



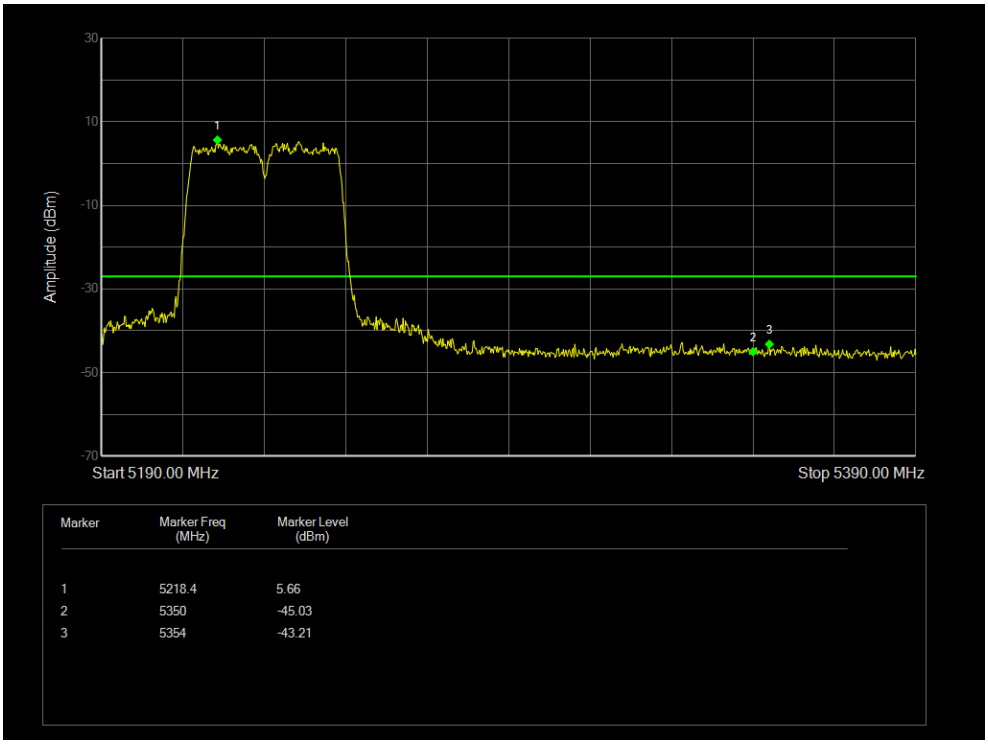
Band Edge NVNT 802.11n(HT20) 5240MHz High Sum



Band Edge NVNT 802.11n(HT40) 5190MHz Low Sum



Band Edge NVNT 802.11n(HT40) 5230MHz High Sum

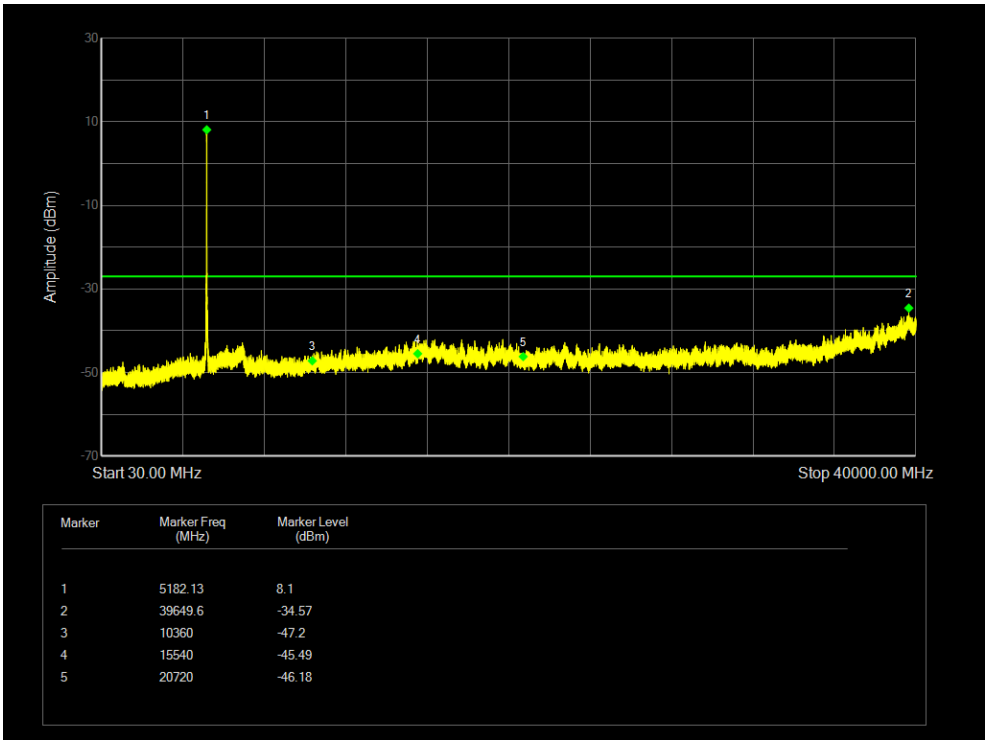


Conducted RF Spurious Emission - SISO

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-34.57	-27	Pass
NVNT	802.11a	5200	Ant 1	-36.12	-27	Pass
NVNT	802.11a	5240	Ant 1	-36.11	-27	Pass
NVNT	802.11a	5180	Ant 2	-35.5	-27	Pass
NVNT	802.11a	5200	Ant 2	-36.12	-27	Pass

NVNT	802.11a	5240	Ant 2	-33.81	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-35.6	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-35.96	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-35.75	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-35.78	-27	Pass
NVNT	802.11ac20	5200	Ant 2	-35.65	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-35.64	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-35.01	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-35.22	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-35.72	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-35.76	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-34.97	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-36.21	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-35.92	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-36.15	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-35.76	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-35.43	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 2	-35.19	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-35.46	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-34.14	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-35.04	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-35.1	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-35.04	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant 1 Emission



Tx. Spurious NVNT 802.11a 5200MHz Ant 1 Emission