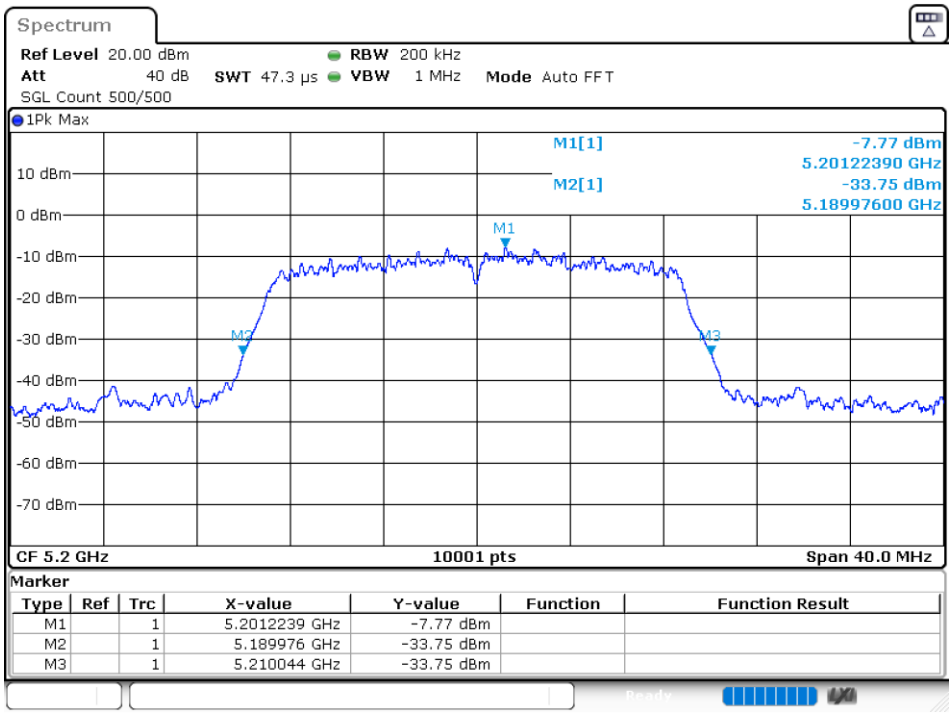
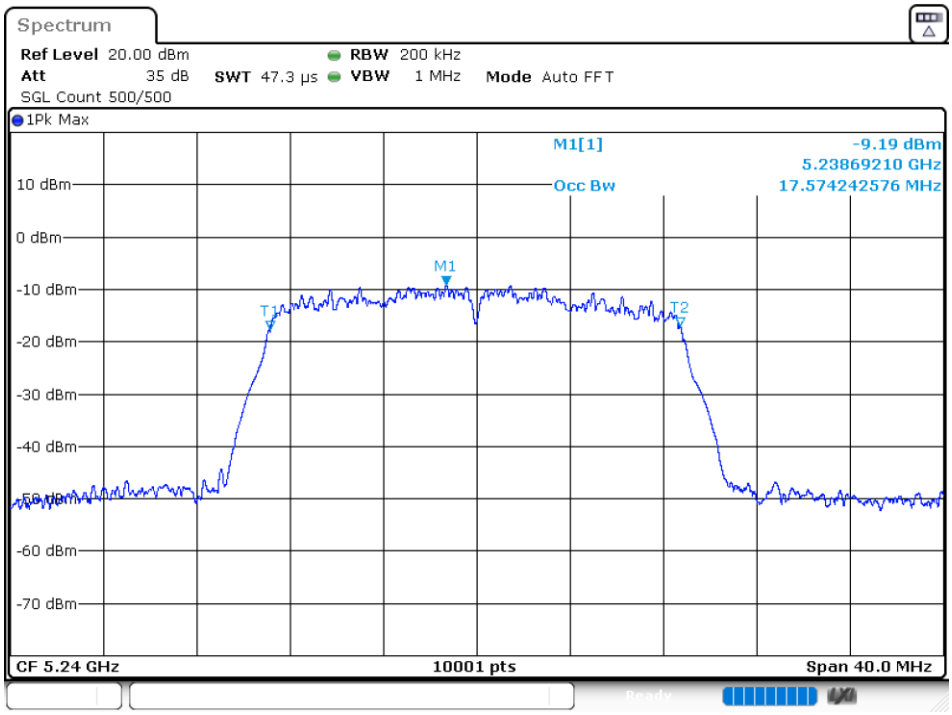
-26 dB BW NVNT 802.11ac20 5200MHz Ant 1



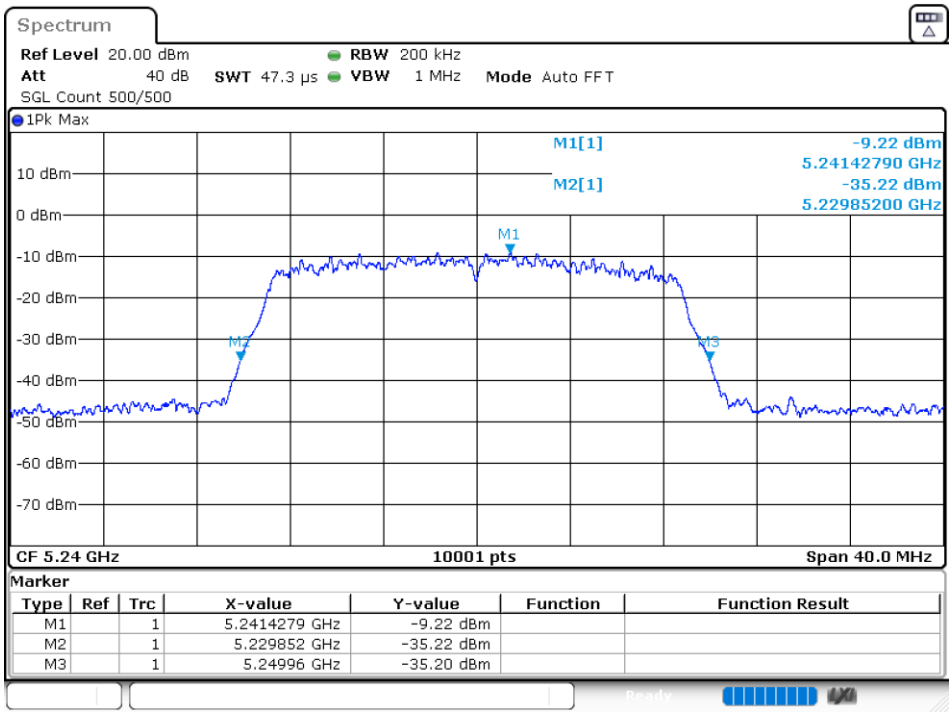
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2012239 GHz	-7.77 dBm		
M2		1	5.189976 GHz	-33.75 dBm		
M3		1	5.210044 GHz	-33.75 dBm		

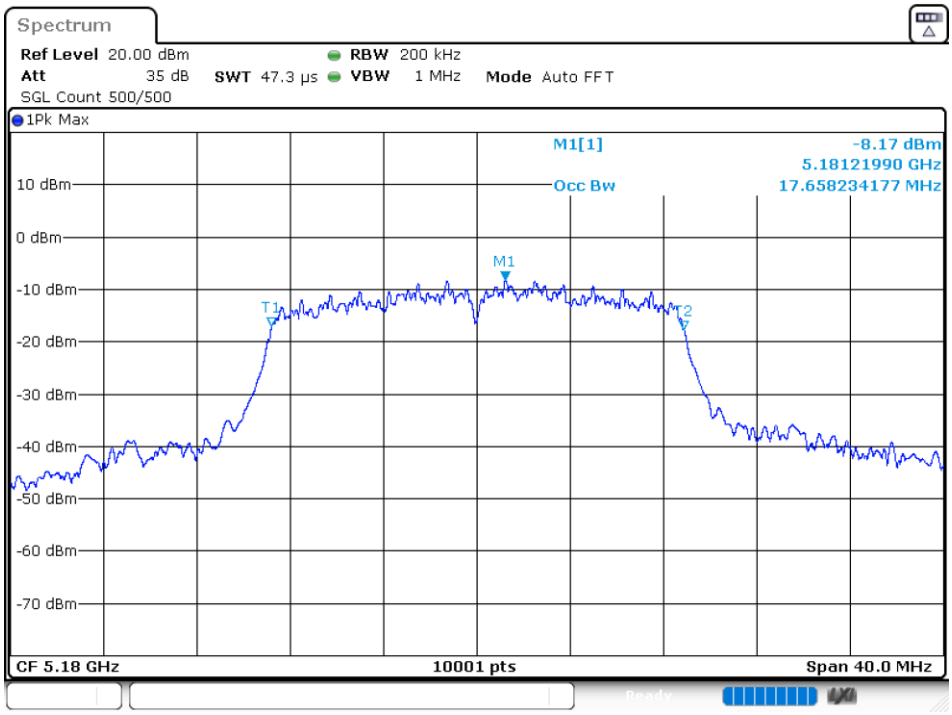
OBW NVNT 802.11ac20 5240MHz Ant 1



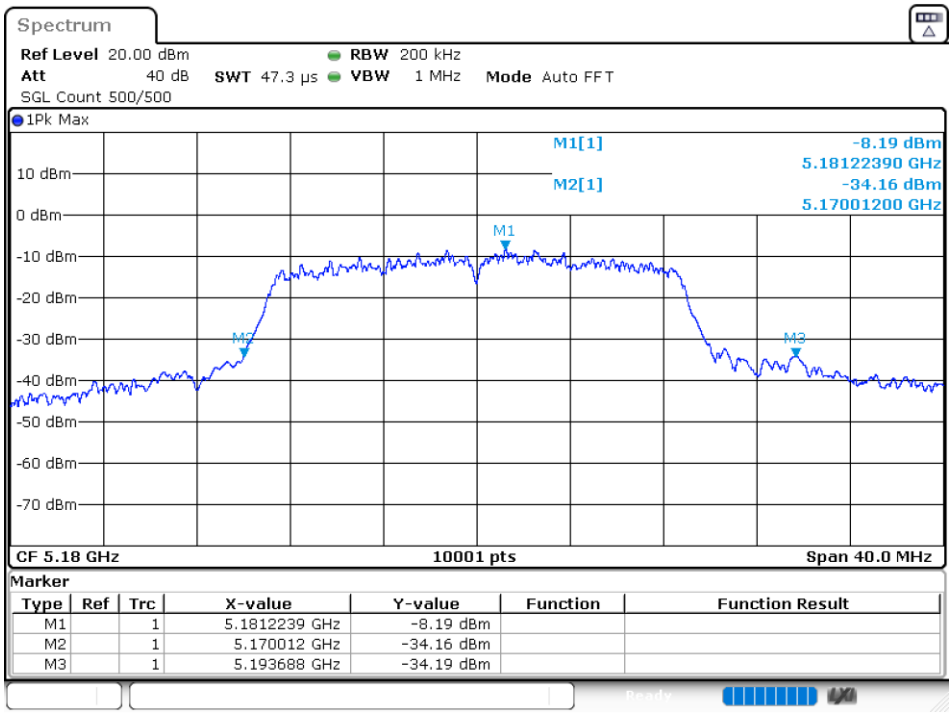
-26 dB BW NVNT 802.11ac20 5240MHz Ant 1



OBW NVNT 802.11ac20 5180MHz Ant 2



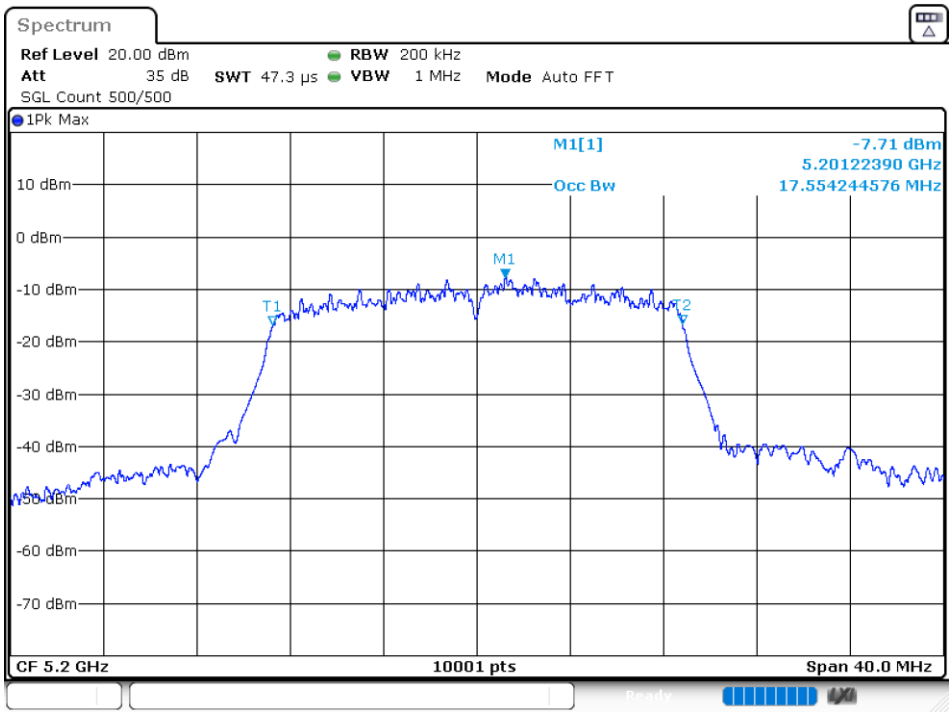
-26 dB BW NVNT 802.11ac20 5180MHz Ant 2



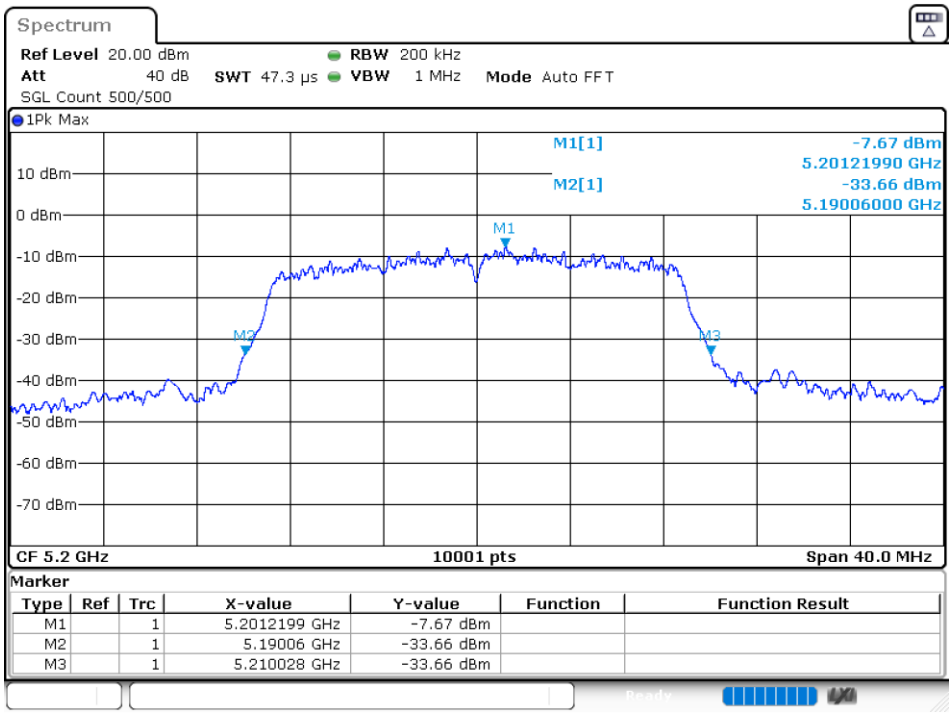
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1812239 GHz	-8.19 dBm		
M2		1	5.170012 GHz	-34.16 dBm		
M3		1	5.193688 GHz	-34.19 dBm		

OBW NVNT 802.11ac20 5200MHz Ant 2



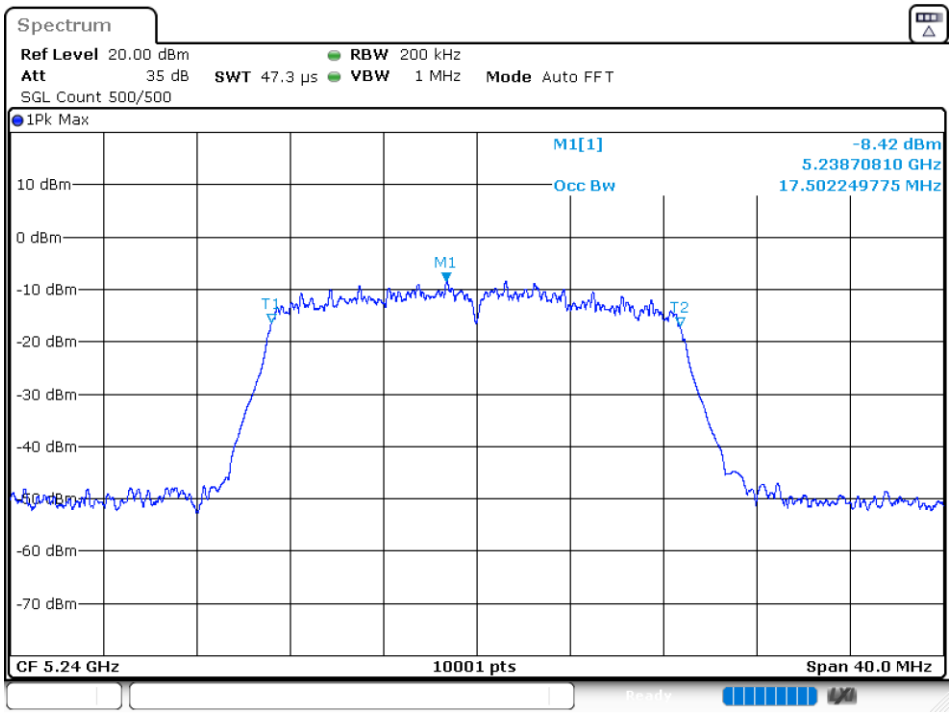
-26 dB BW NVNT 802.11ac20 5200MHz Ant 2



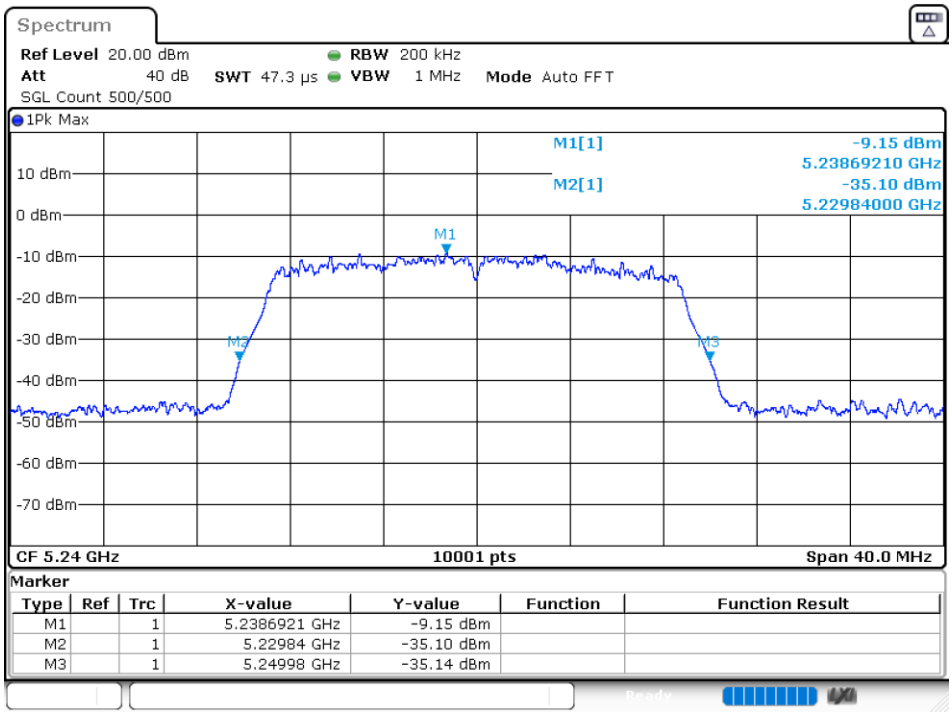
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2012199 GHz	-7.67 dBm		
M2		1	5.19006 GHz	-33.66 dBm		
M3		1	5.210028 GHz	-33.66 dBm		

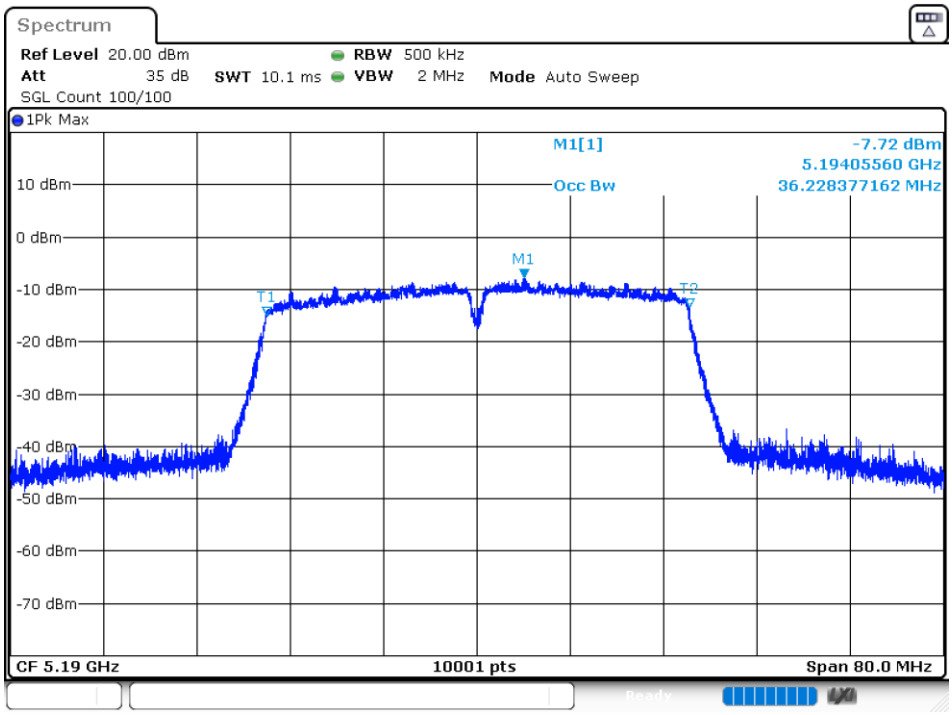
OBW NVNT 802.11ac20 5240MHz Ant 2



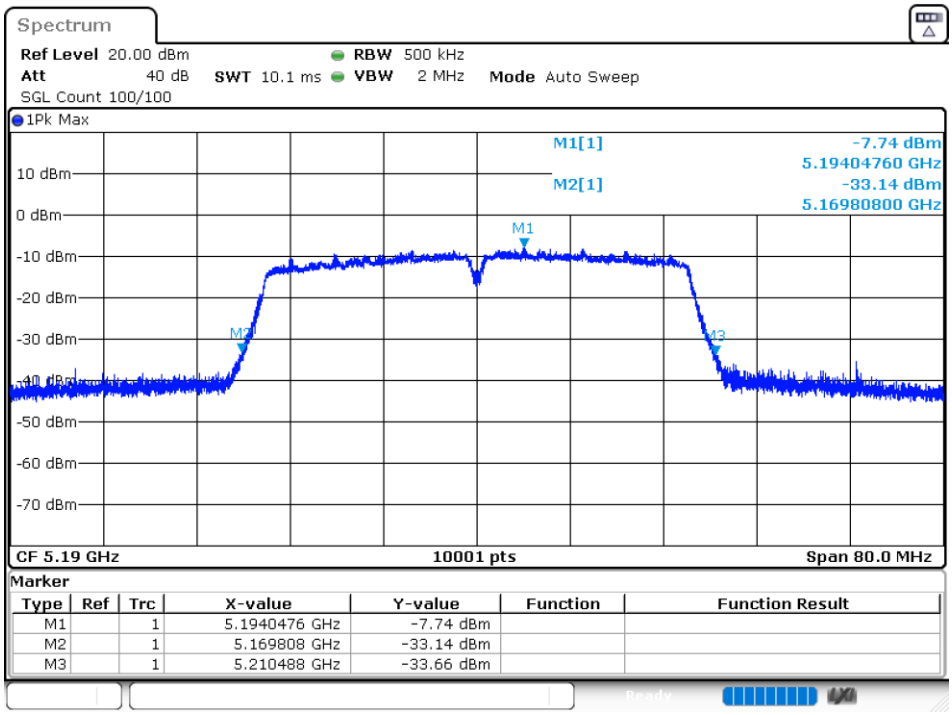
-26 dB BW NVNT 802.11ac20 5240MHz Ant 2



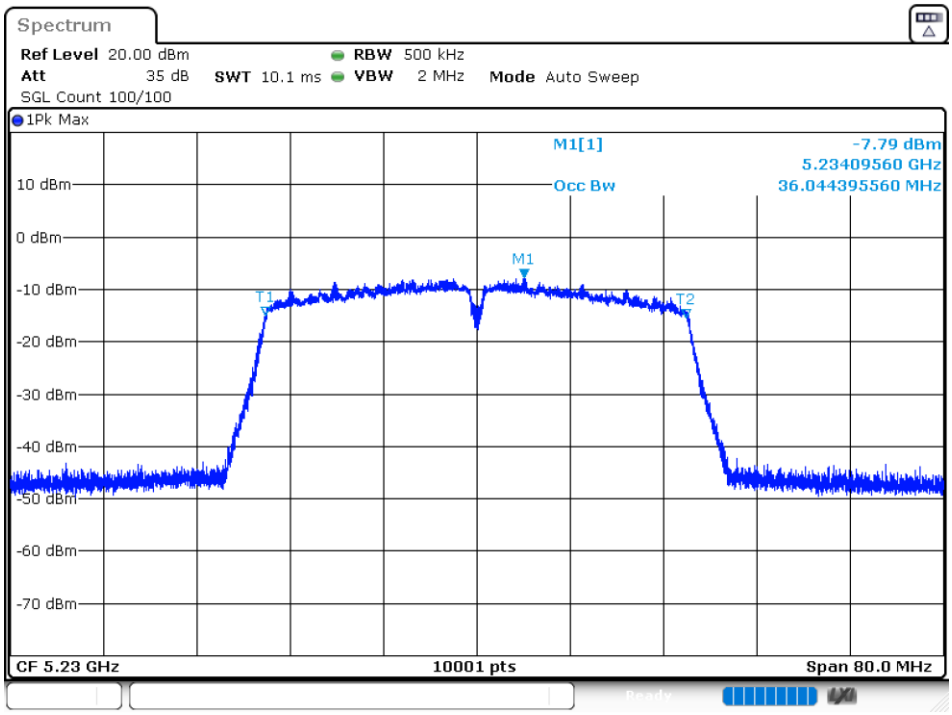
OBW NVNT 802.11ac40 5190MHz Ant 1



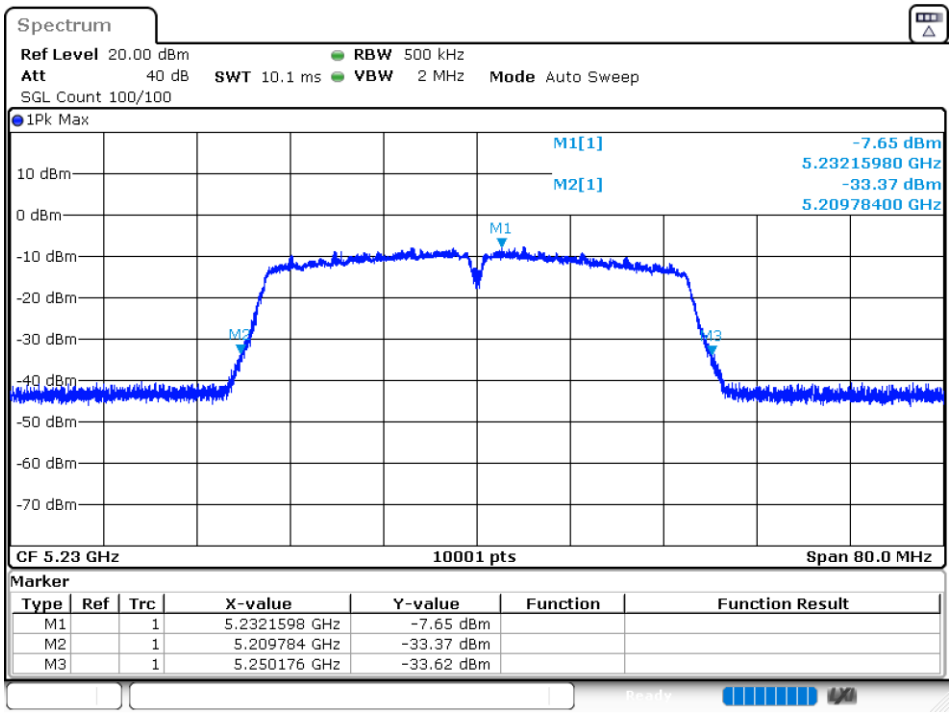
-26 dB BW NVNT 802.11ac40 5190MHz Ant 1



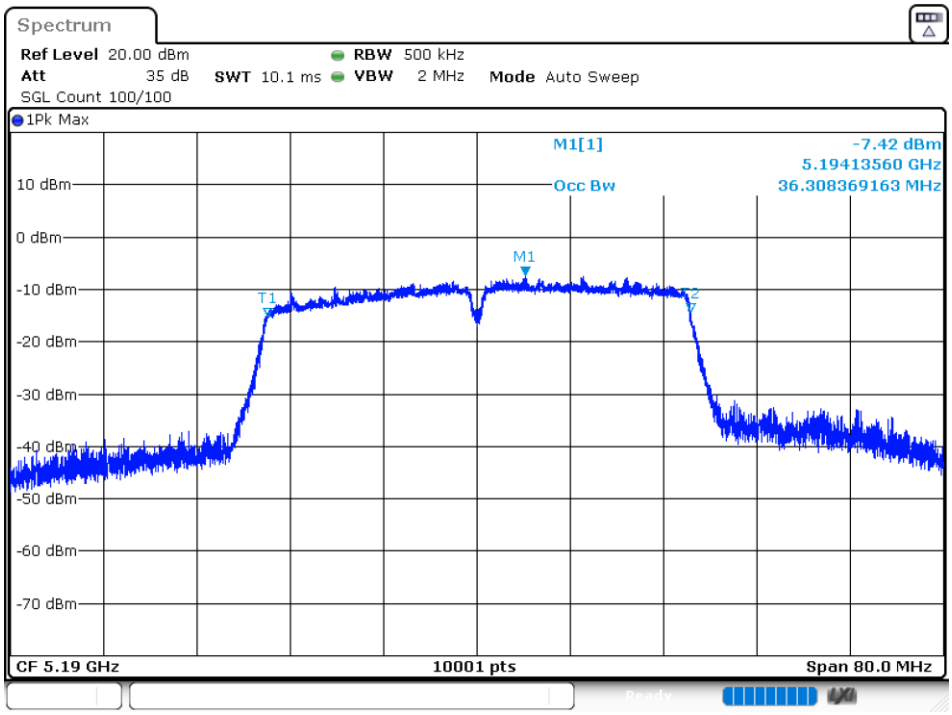
OBW NVNT 802.11ac40 5230MHz Ant 1



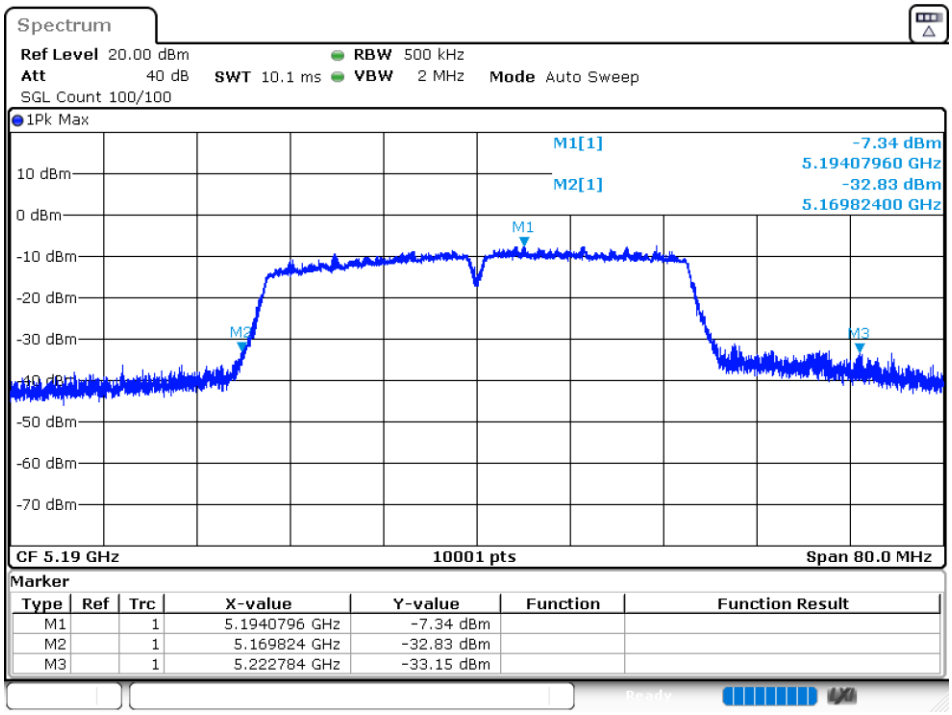
-26 dB BW NVNT 802.11ac40 5230MHz Ant 1



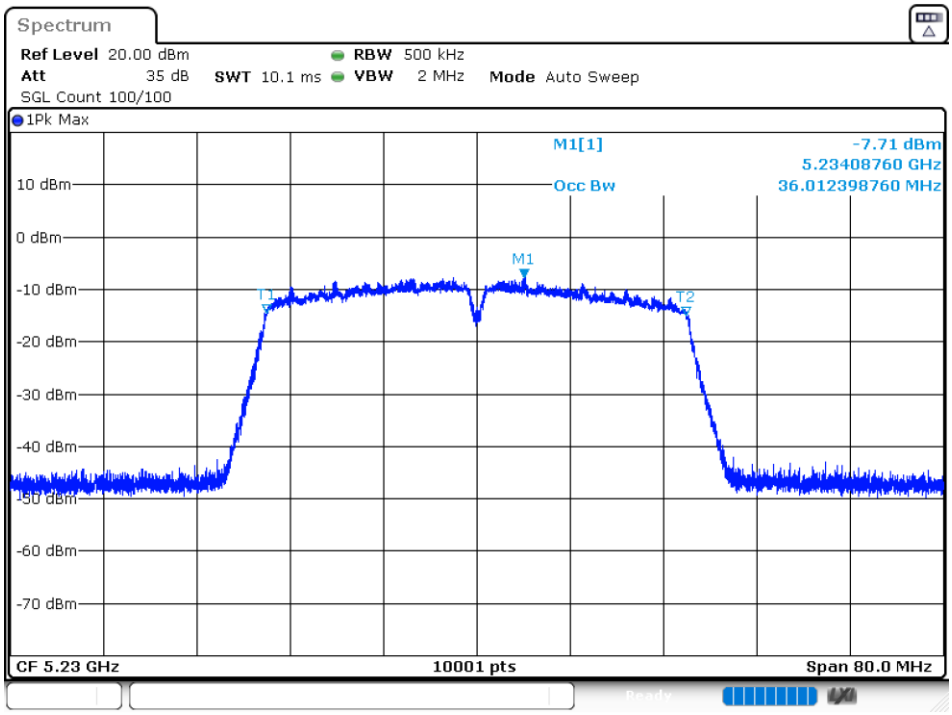
OBW NVNT 802.11ac40 5190MHz Ant 2



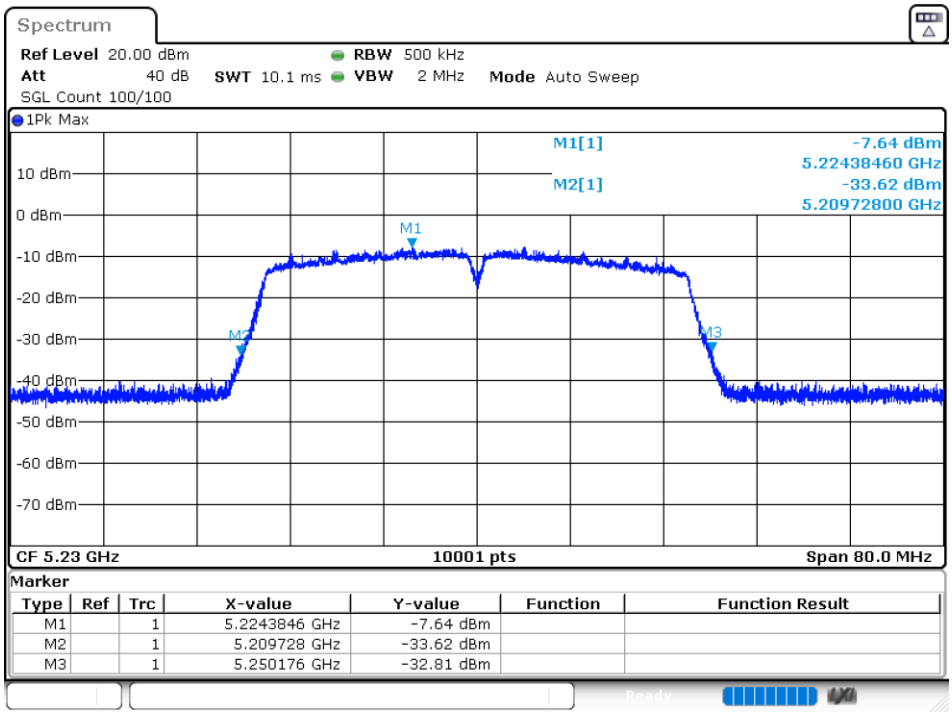
-26 dB BW NVNT 802.11ac40 5190MHz Ant 2



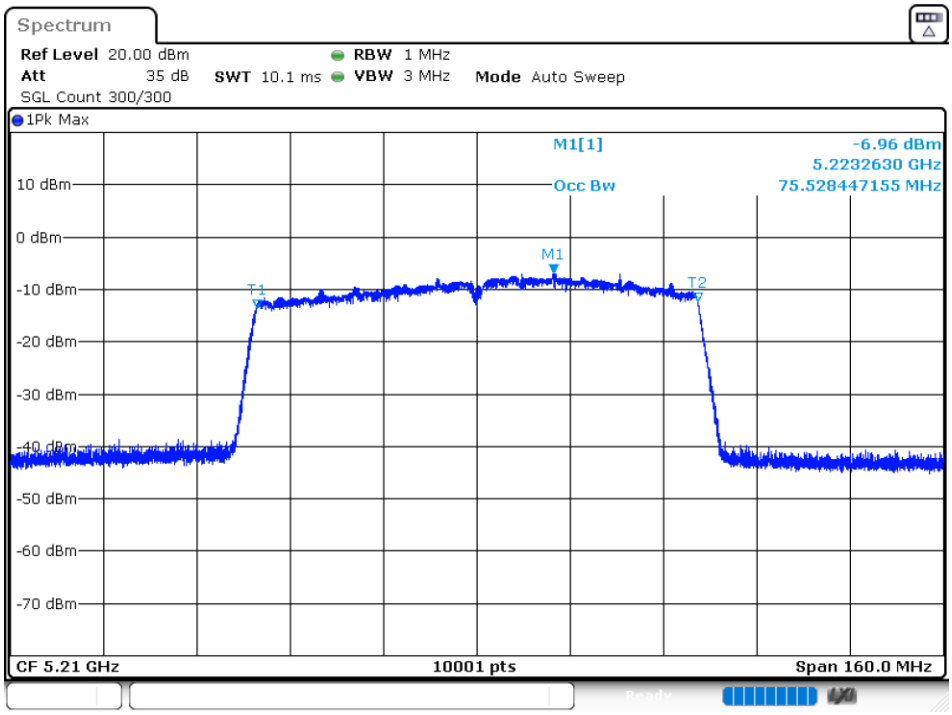
OBW NVNT 802.11ac40 5230MHz Ant 2



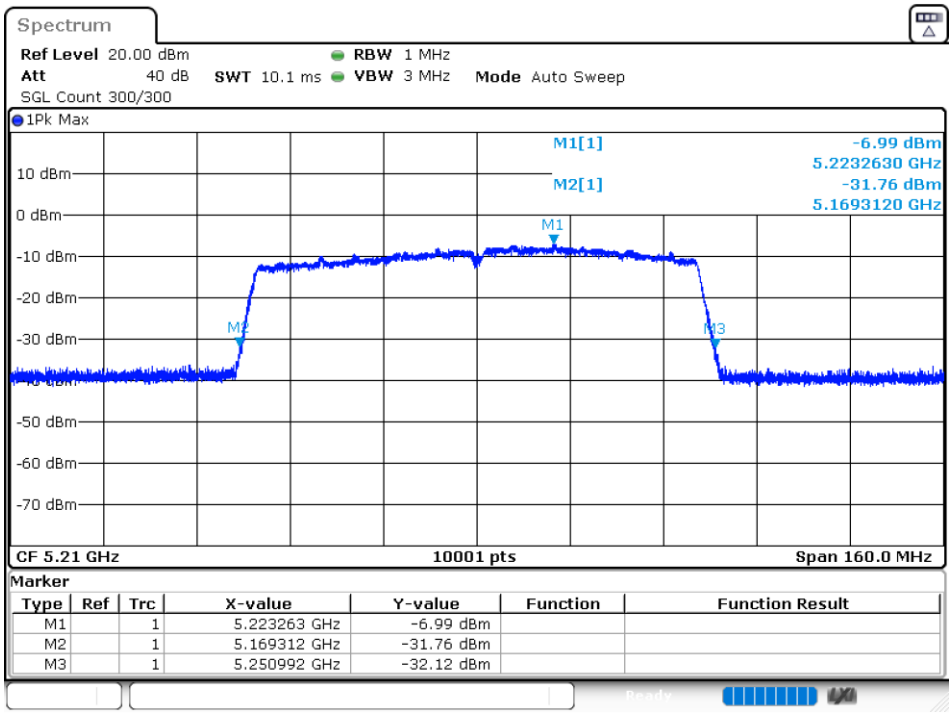
-26 dB BW NVNT 802.11ac40 5230MHz Ant 2



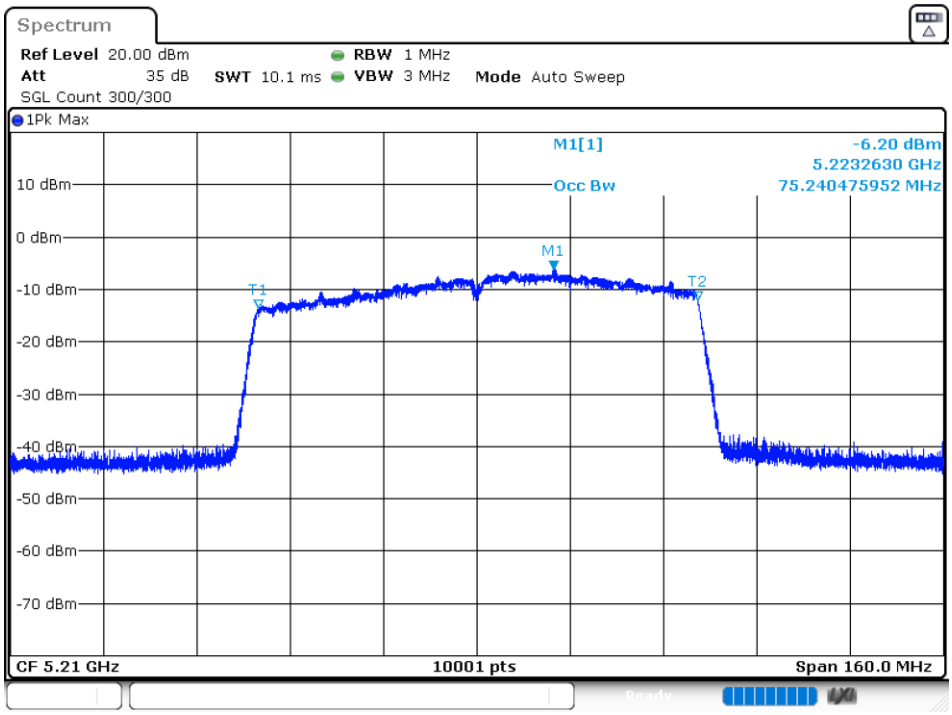
OBW NVNT 802.11ac80 5210MHz Ant 1



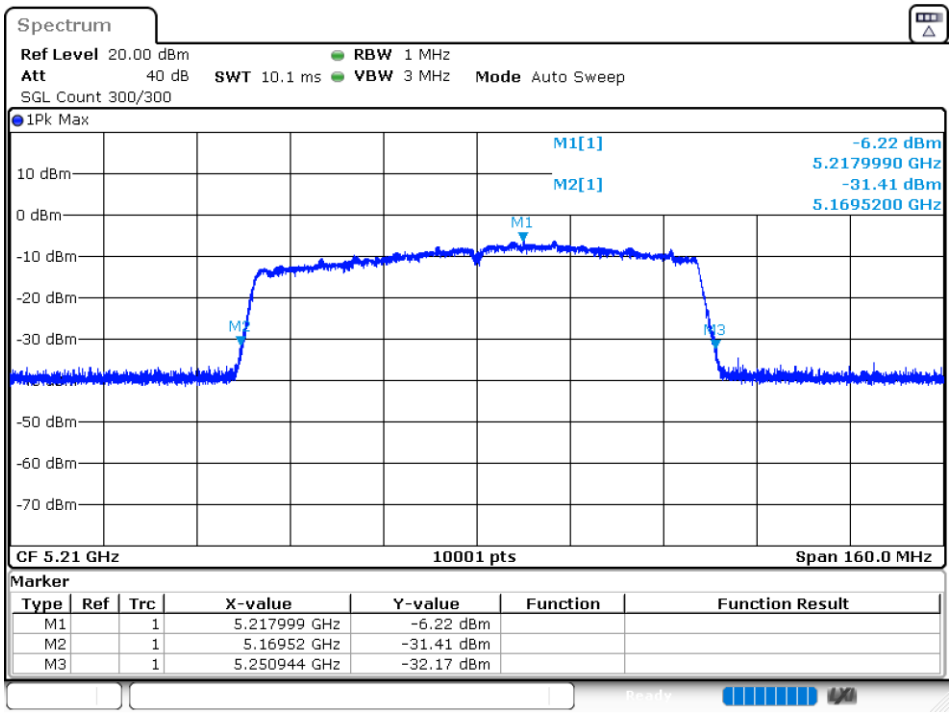
-26 dB BW NVNT 802.11ac80 5210MHz Ant 1



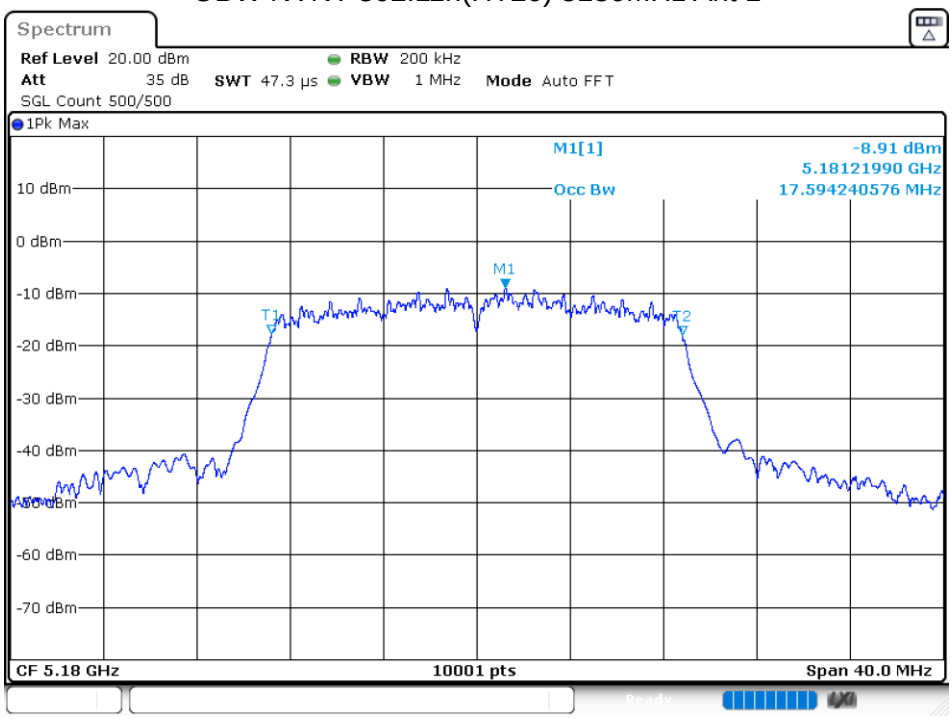
OBW NVNT 802.11ac80 5210MHz Ant 2



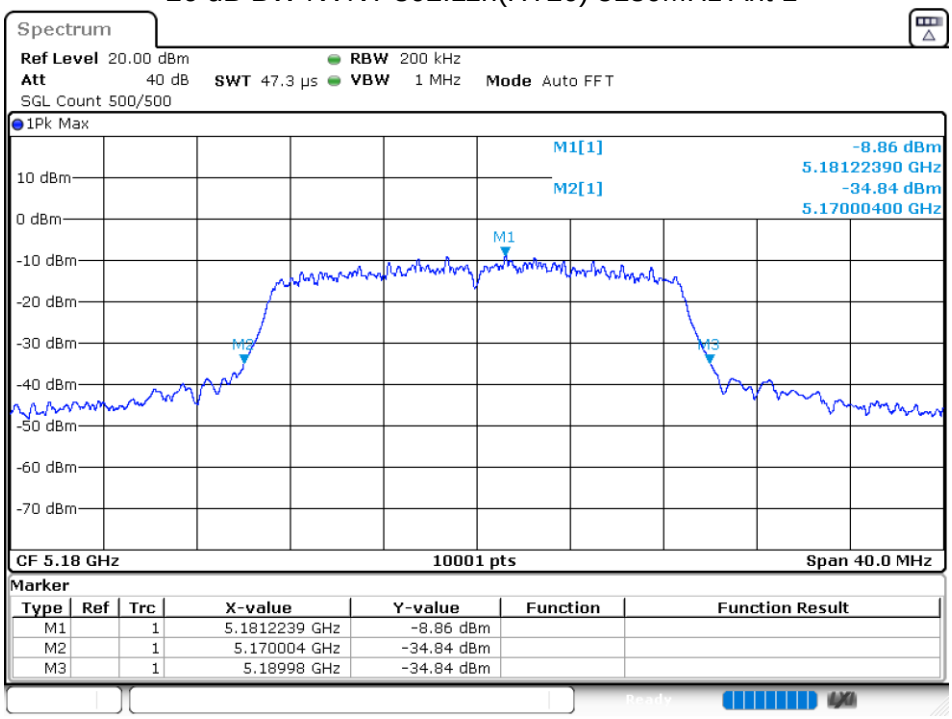
-26 dB BW NVNT 802.11ac80 5210MHz Ant 2



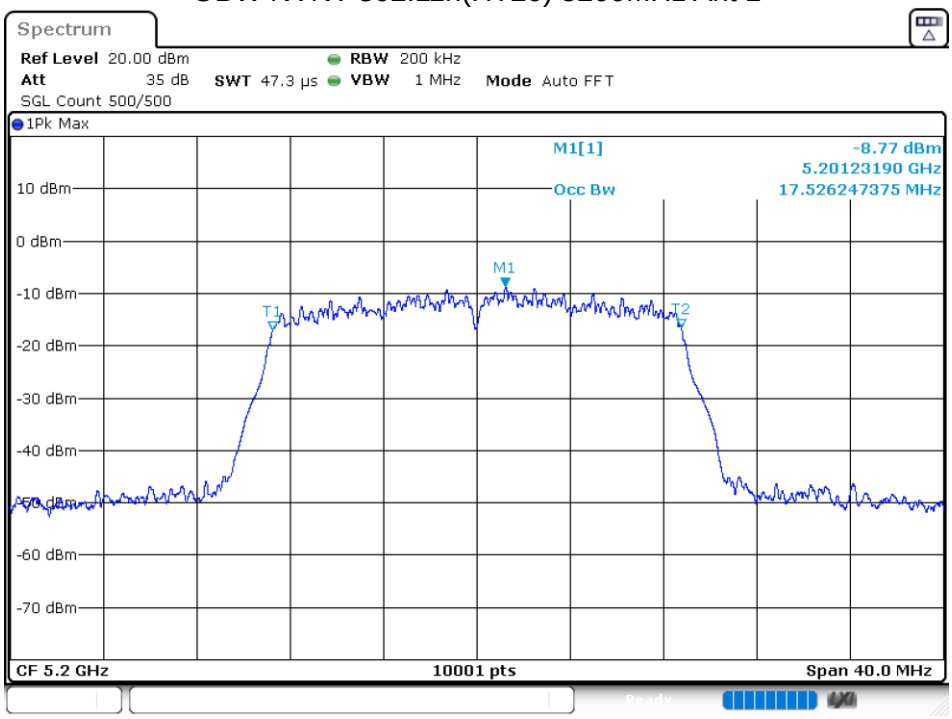
OBW NVNT 802.11n(HT20) 5180MHz Ant 1



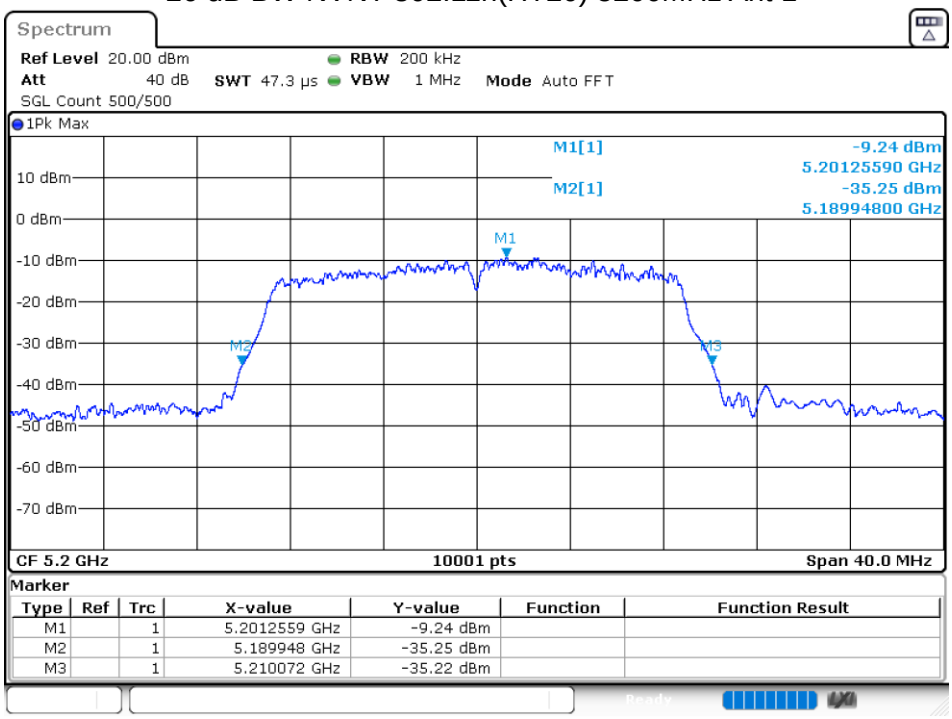
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant 1



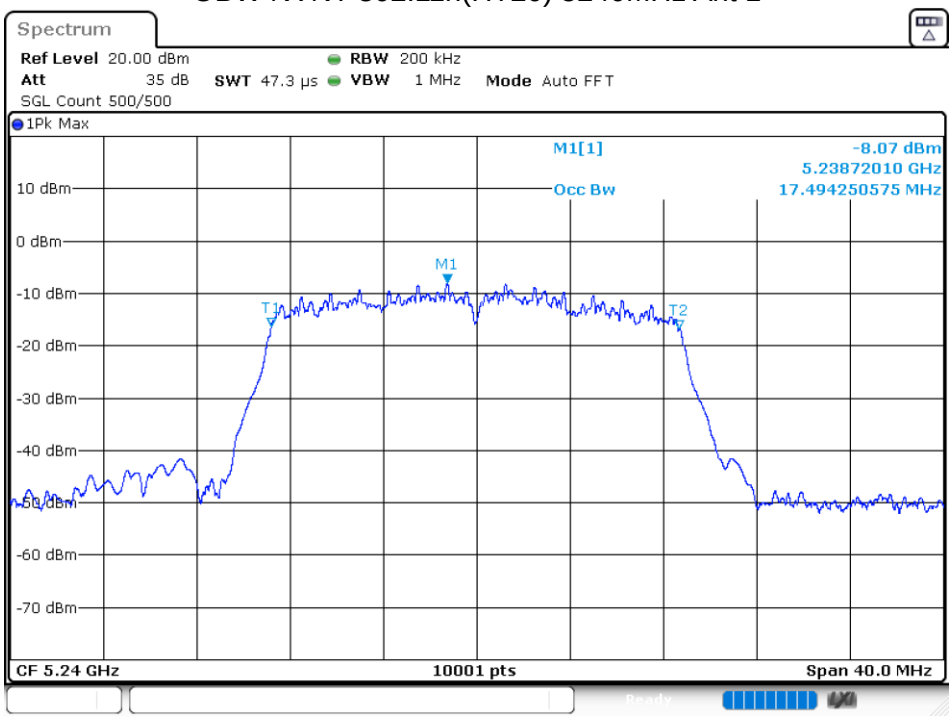
OBW NVNT 802.11n(HT20) 5200MHz Ant 1



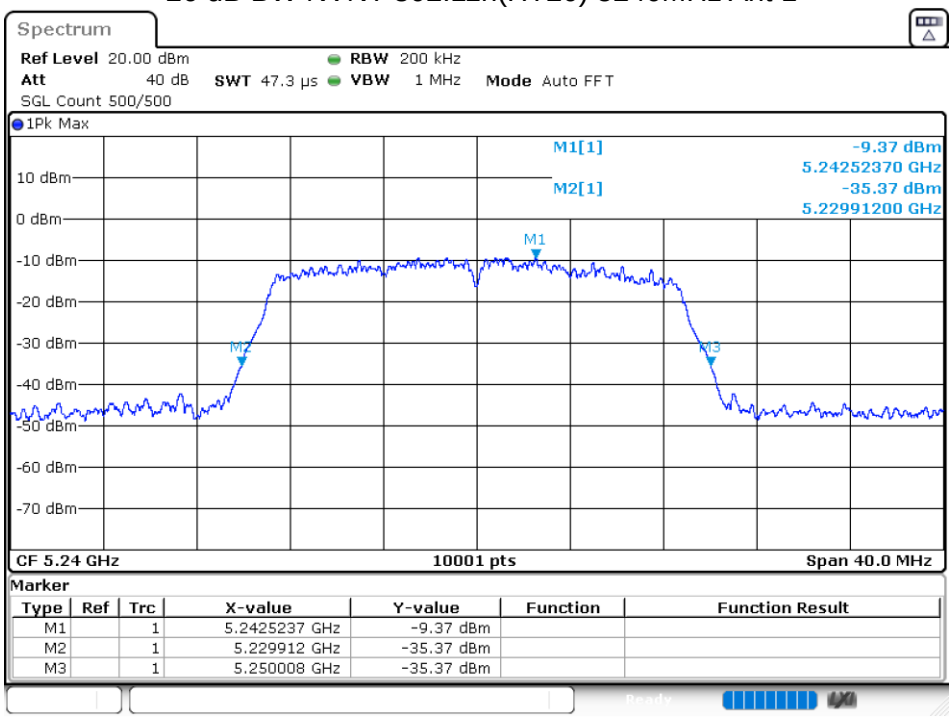
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant 1



OBW NVNT 802.11n(HT20) 5240MHz Ant 1



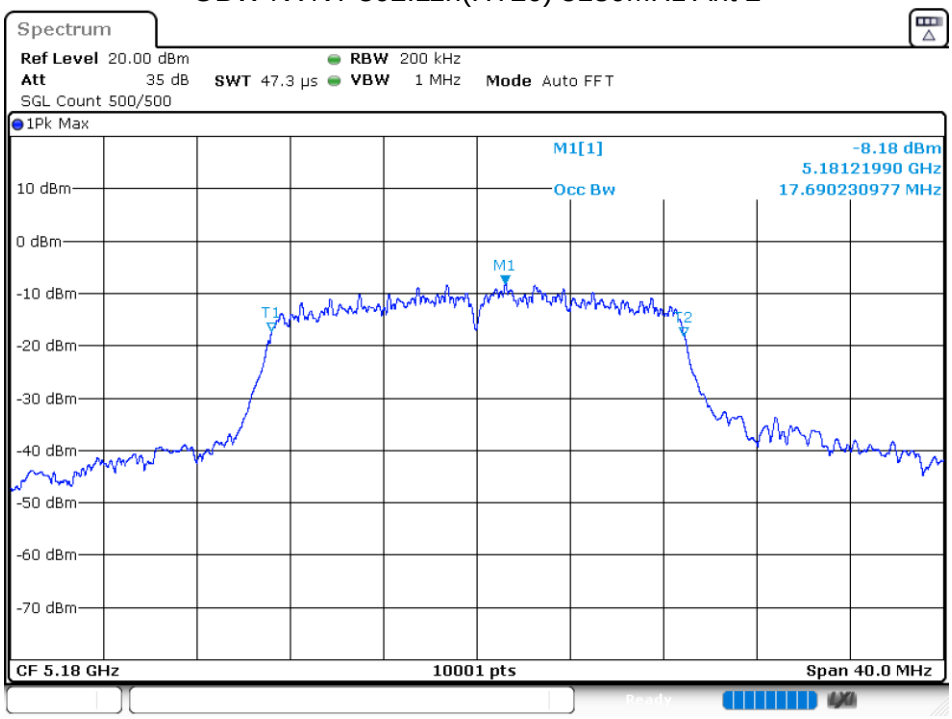
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant 1



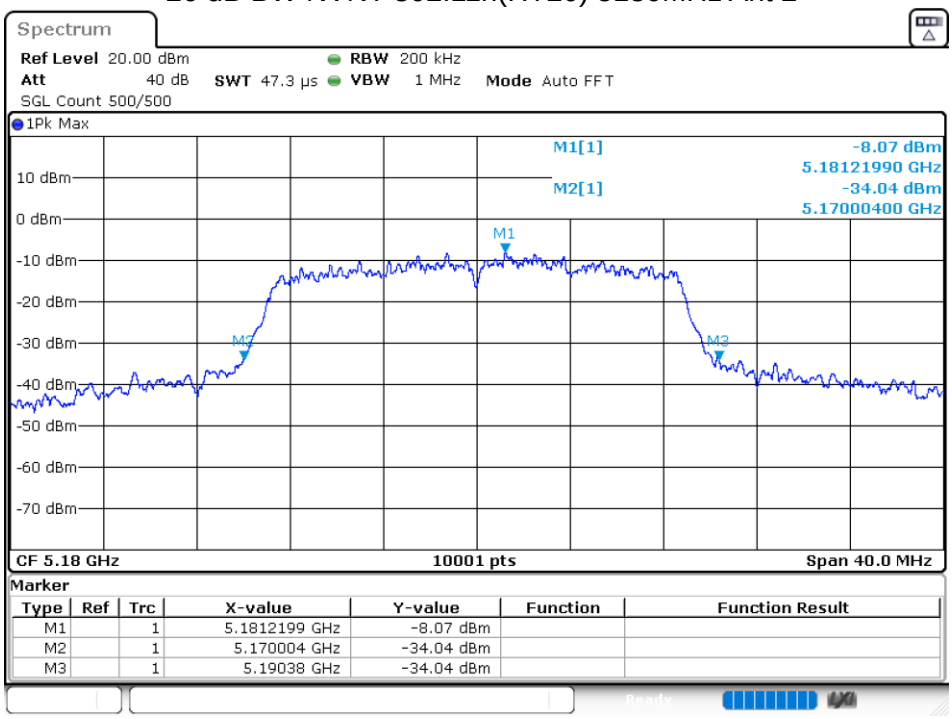
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2425237 GHz	-9.37 dBm		
M2		1	5.229912 GHz	-35.37 dBm		
M3		1	5.250008 GHz	-35.37 dBm		

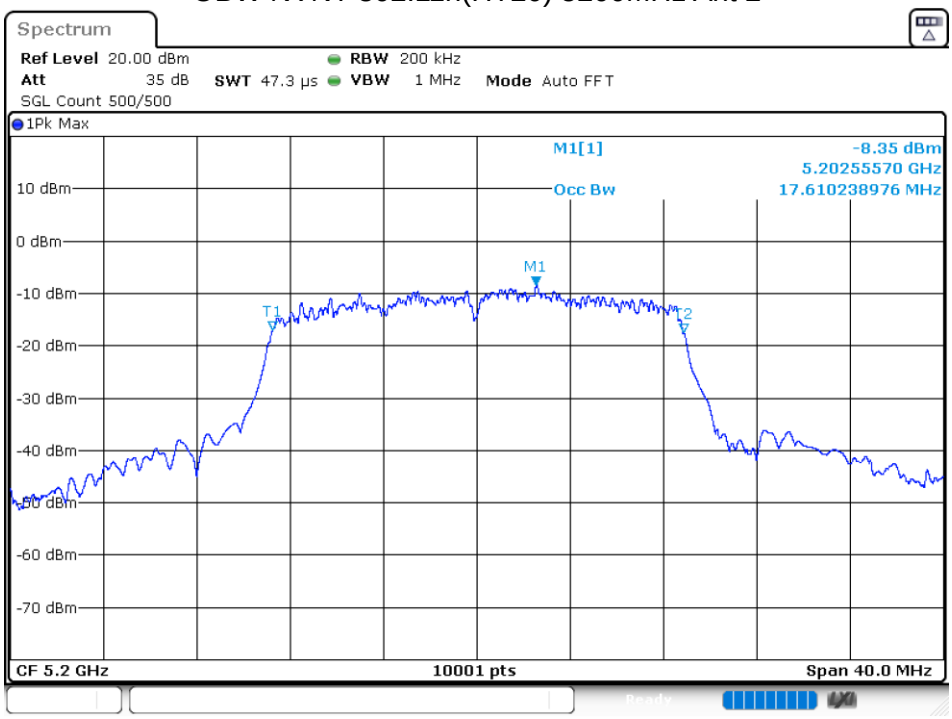
OBW NVNT 802.11n(HT20) 5180MHz Ant 2



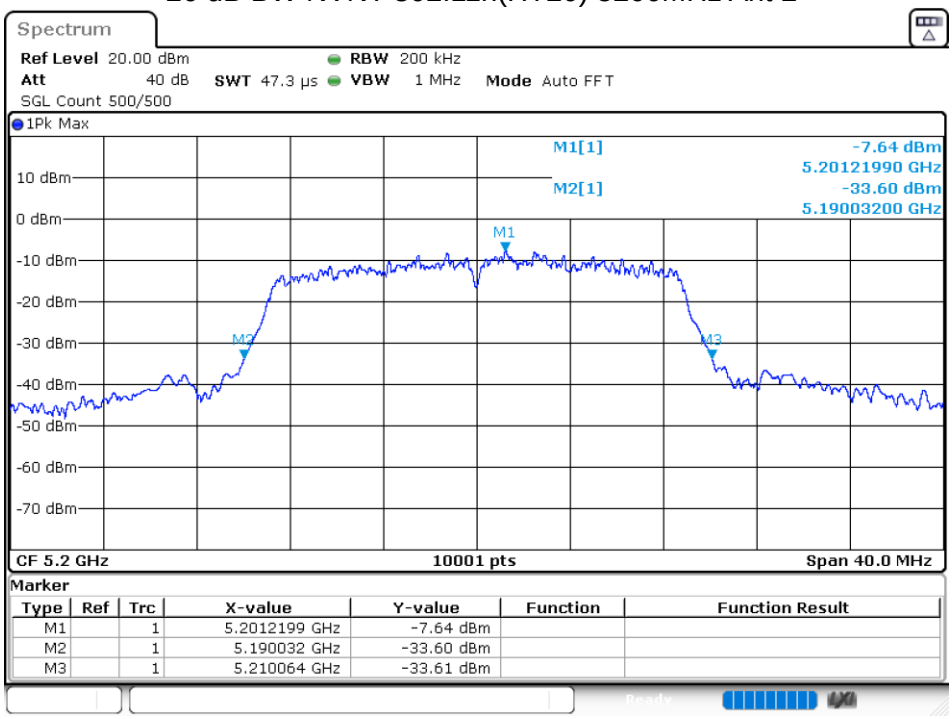
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant 2



OBW NVNT 802.11n(HT20) 5200MHz Ant 2



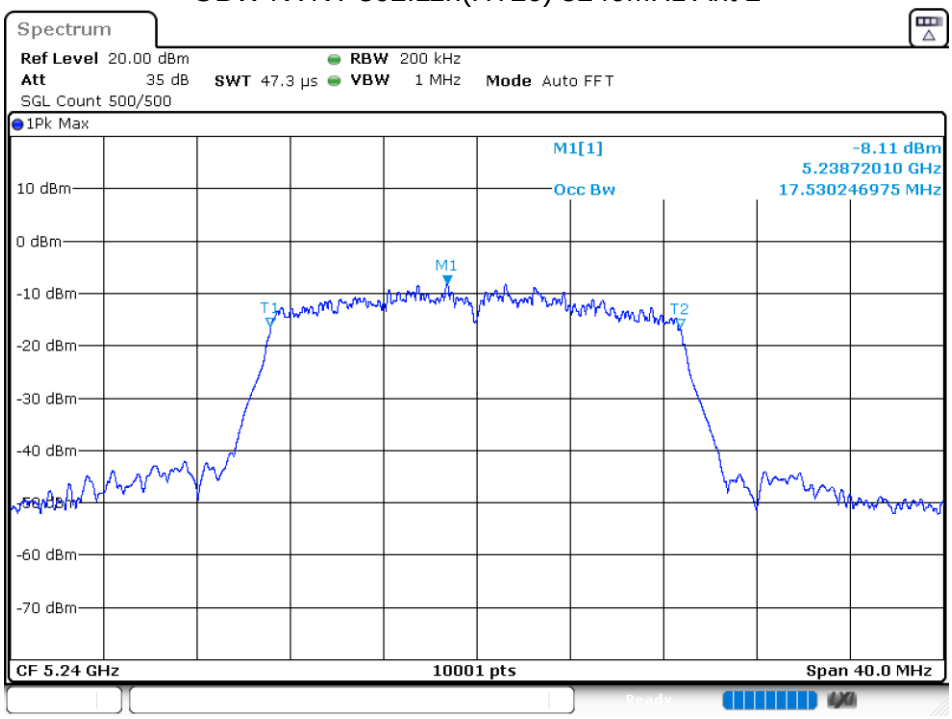
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant 2



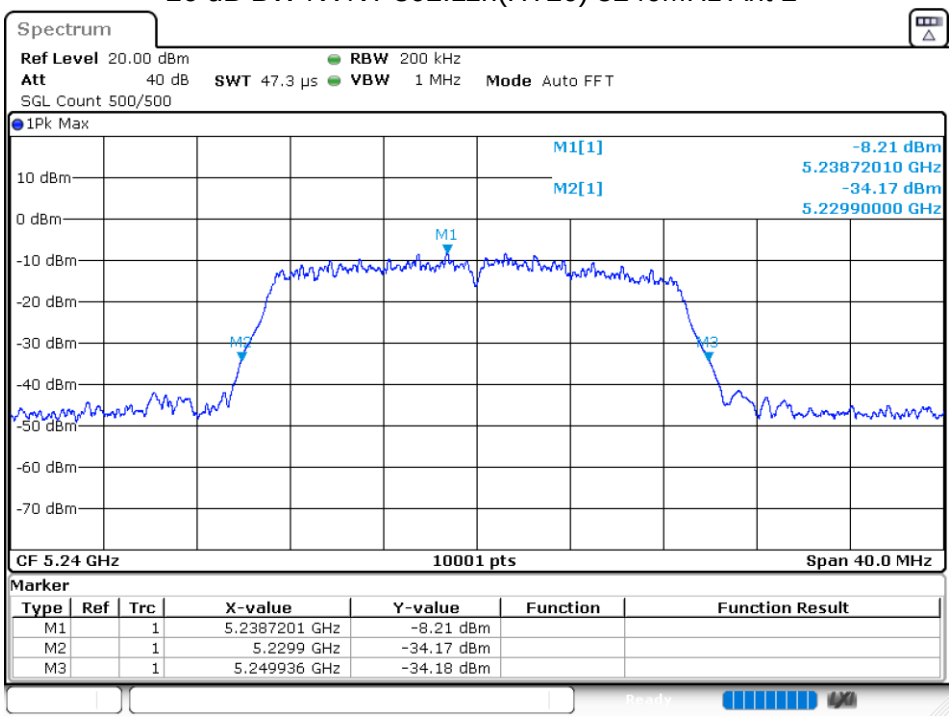
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2012199 GHz	-7.64 dBm		
M2		1	5.190032 GHz	-33.60 dBm		
M3		1	5.210064 GHz	-33.61 dBm		

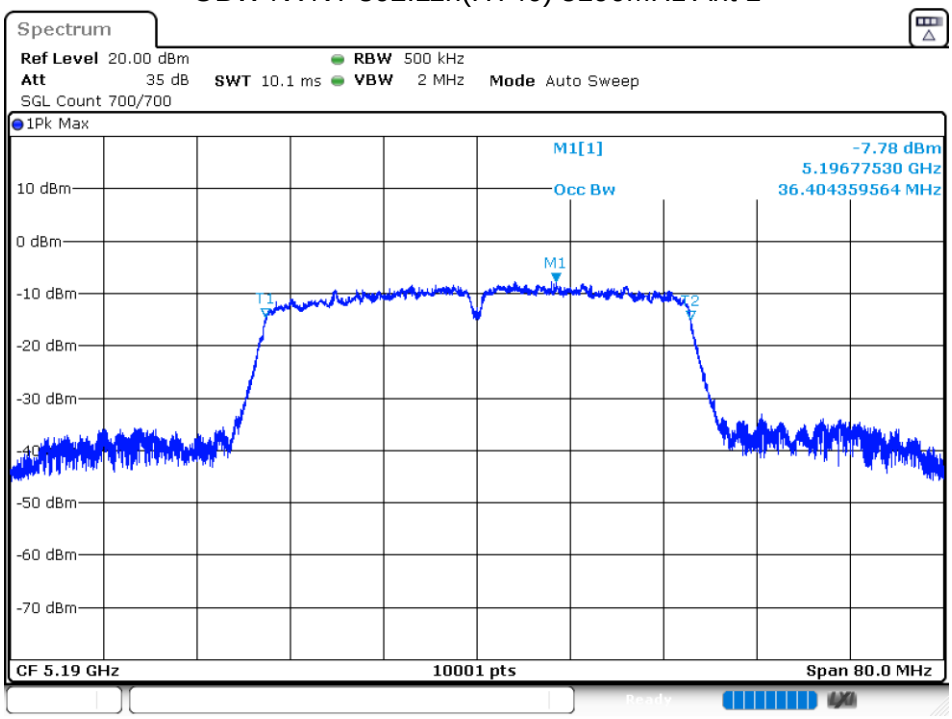
OBW NVNT 802.11n(HT20) 5240MHz Ant 2



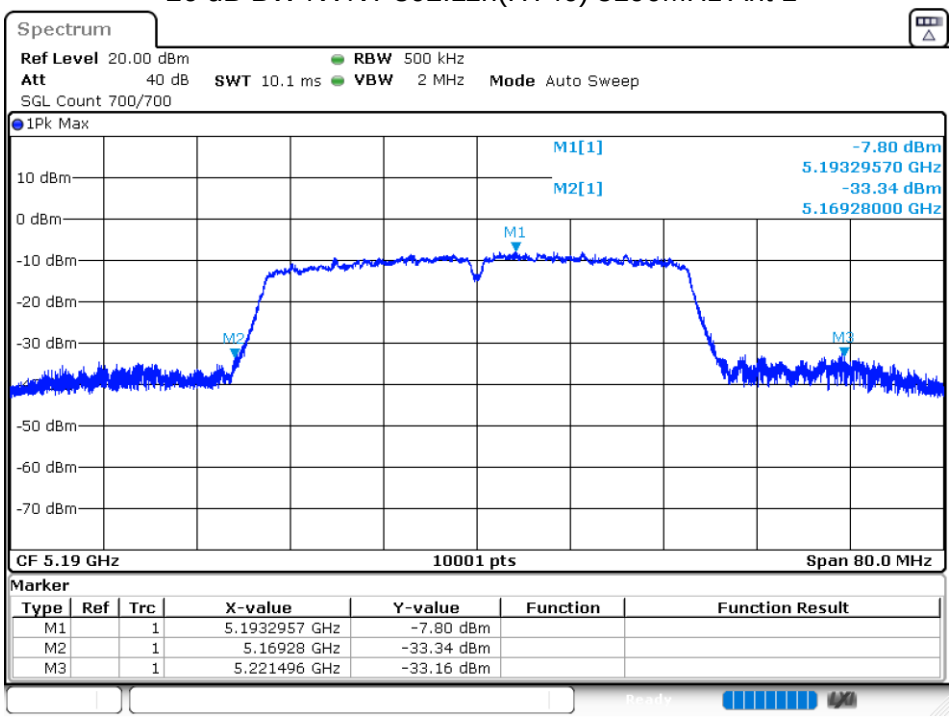
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant 2



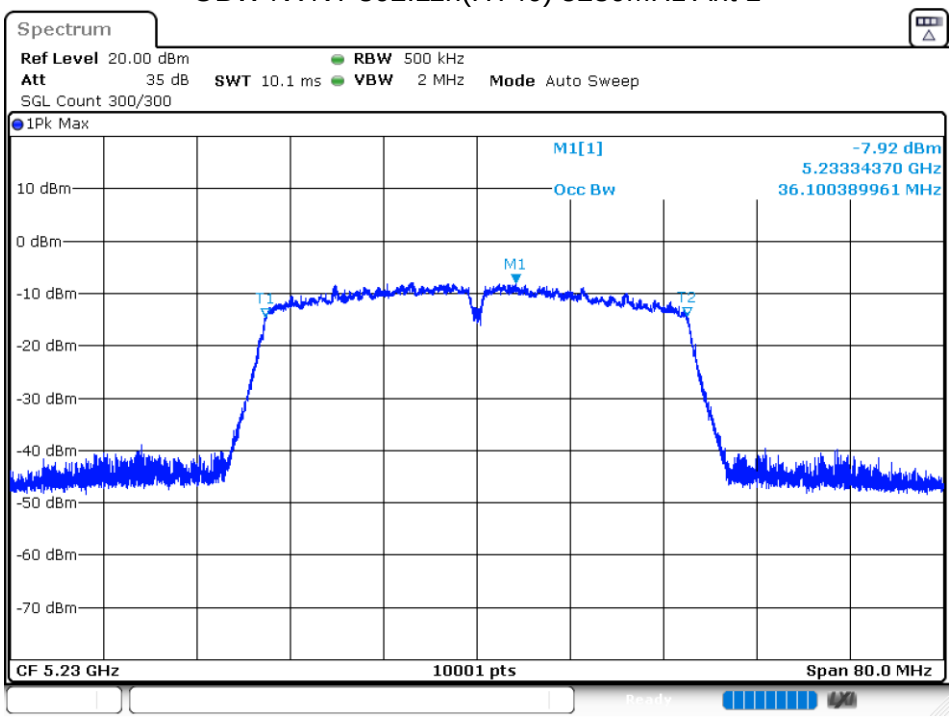
OBW NVNT 802.11n(HT40) 5190MHz Ant 1



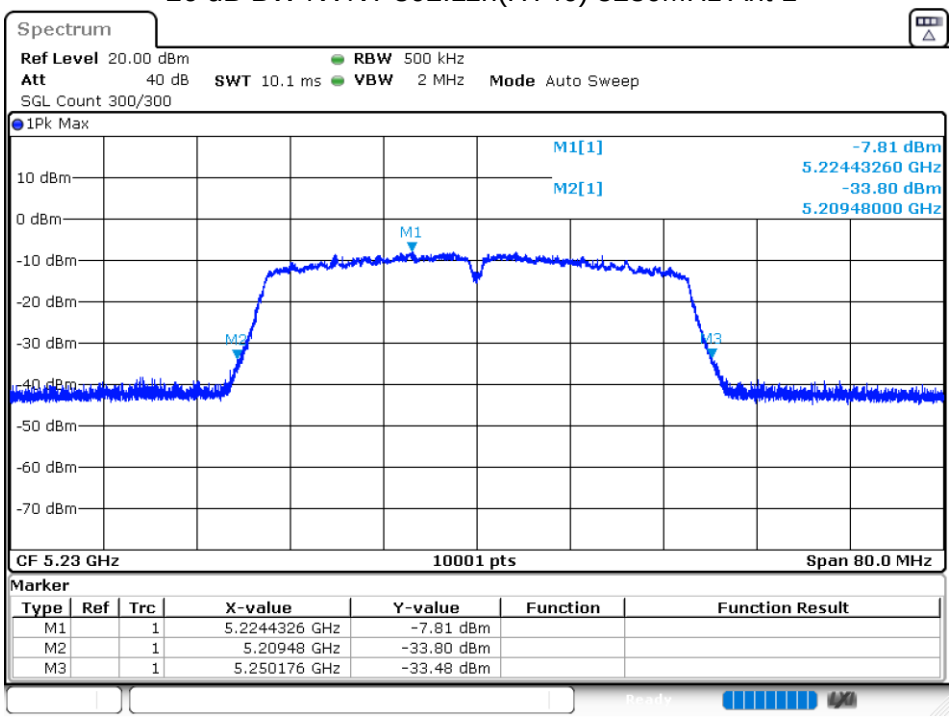
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 1



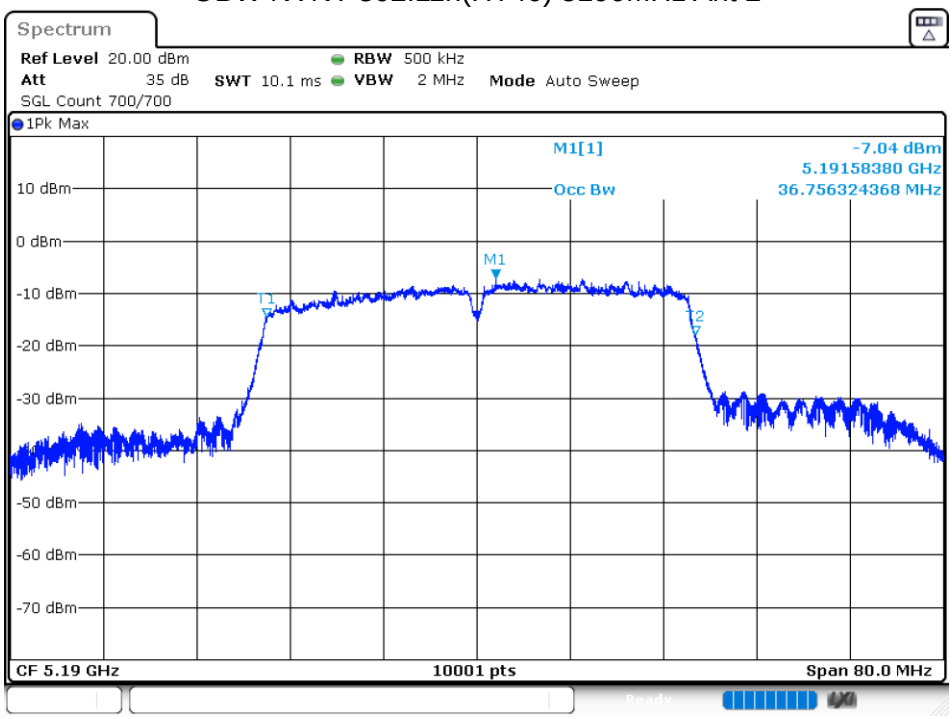
OBW NVNT 802.11n(HT40) 5230MHz Ant 1



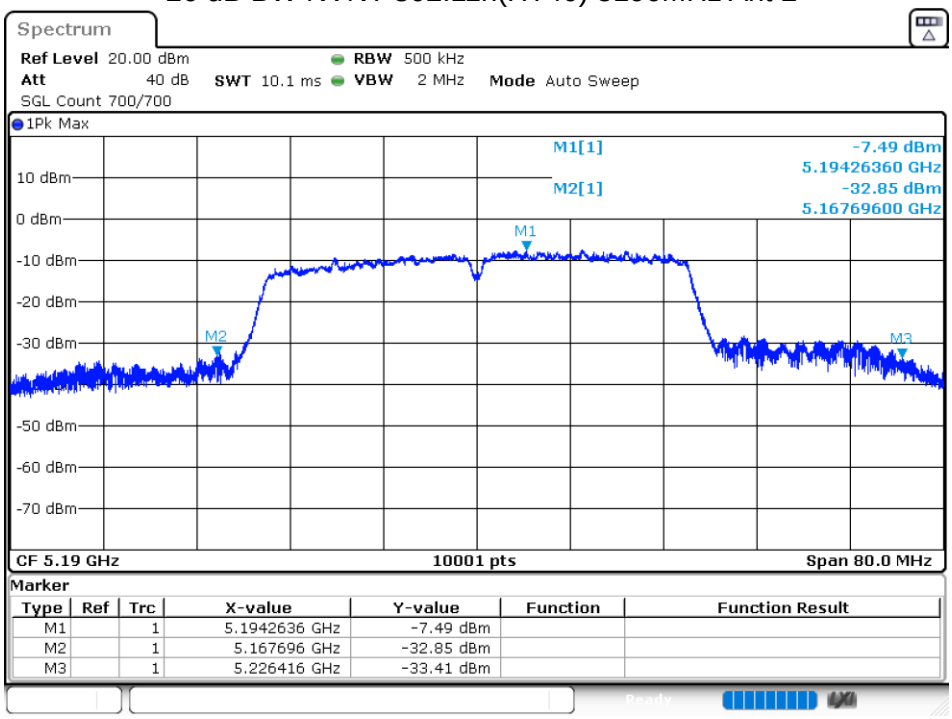
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 1



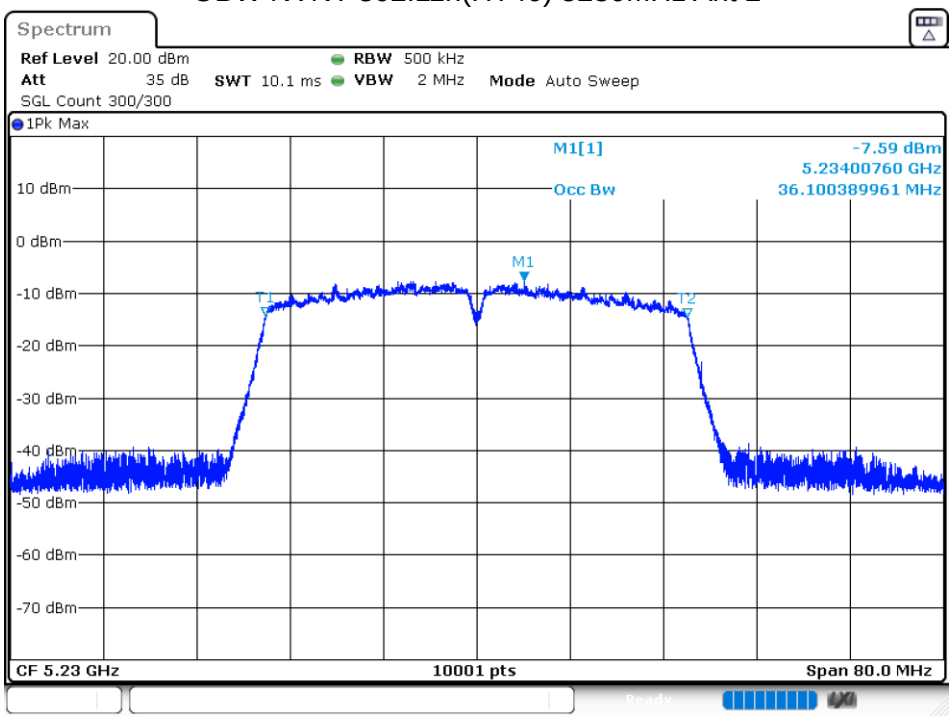
OBW NVNT 802.11n(HT40) 5190MHz Ant 2



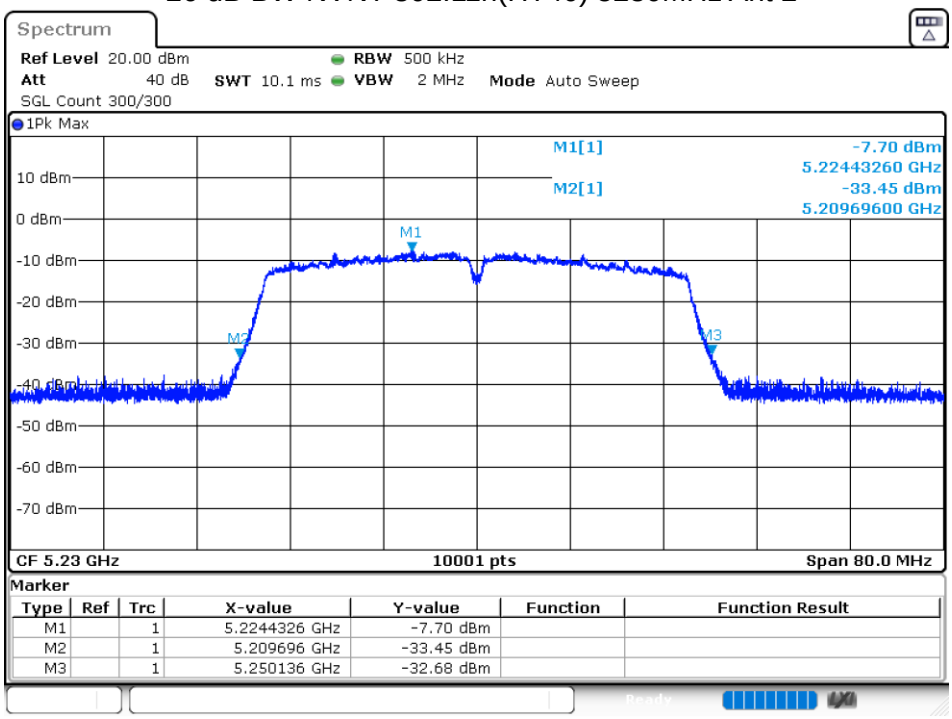
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant 2



OBW NVNT 802.11n(HT40) 5230MHz Ant 2



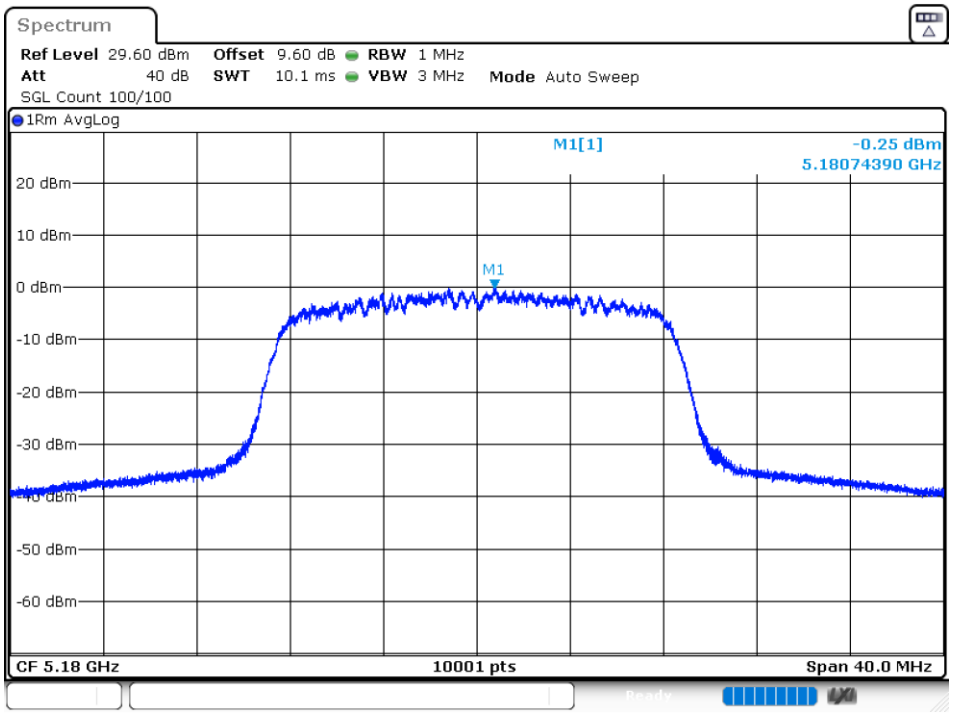
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant 2



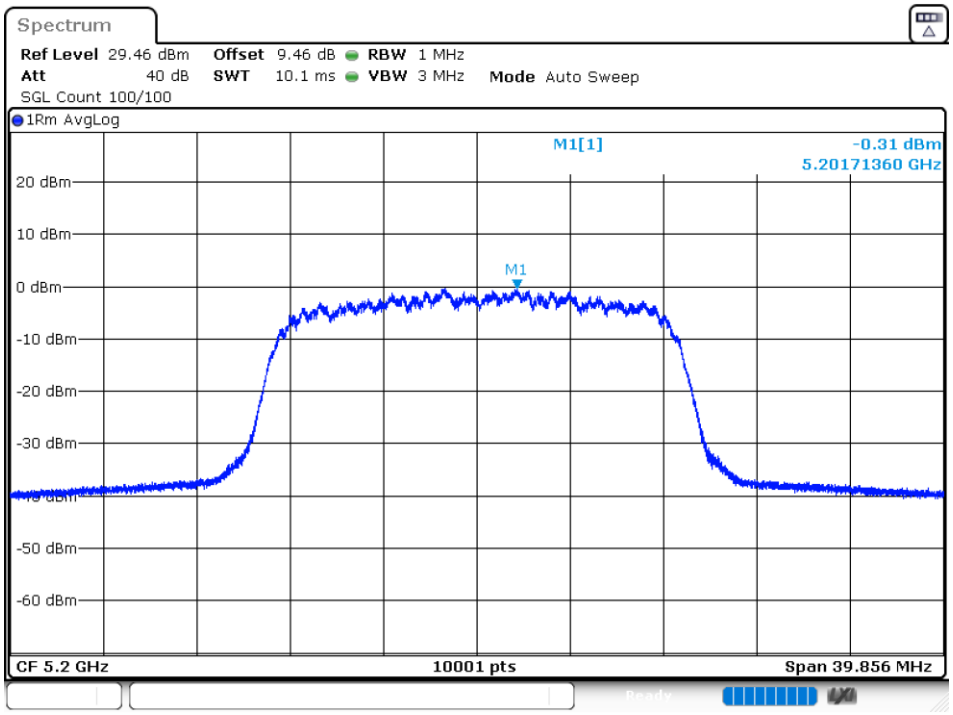
11.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-0.253	0.18	-0.073	11	Pass
NVNT	802.11a	5200	Ant 1	-0.308	0.18	-0.128	11	Pass
NVNT	802.11a	5240	Ant 1	-0.449	0.18	-0.269	11	Pass
NVNT	802.11a	5180	Ant 2	0.365	0.18	0.545	11	Pass
NVNT	802.11a	5200	Ant 2	-0.301	0.18	-0.121	11	Pass
NVNT	802.11a	5240	Ant 2	0.017	0.18	0.197	11	Pass
NVNT	802.11ac20	5180	Ant 1	-1.913	0.19	-1.723	11	Pass
NVNT	802.11ac20	5200	Ant 1	-1.036	0.19	-0.846	11	Pass
NVNT	802.11ac20	5240	Ant 1	-1.412	0.19	-1.222	11	Pass
NVNT	802.11ac20	5180	Ant 2	-0.864	0.19	-0.674	11	Pass
NVNT	802.11ac20	5200	Ant 2	-1.342	0.19	-1.152	11	Pass
NVNT	802.11ac20	5240	Ant 2	-1.344	0.19	-1.154	11	Pass
NVNT	802.11ac40	5190	Ant 1	-6.389	0.37	-6.019	11	Pass
NVNT	802.11ac40	5230	Ant 1	-6.31	0.37	-5.94	11	Pass
NVNT	802.11ac40	5190	Ant 2	-6.218	0.37	-5.848	11	Pass
NVNT	802.11ac40	5230	Ant 2	-6.074	0.37	-5.704	11	Pass
NVNT	802.11ac80	5210	Ant 1	-11.675	0.64	-11.035	11	Pass
NVNT	802.11ac80	5210	Ant 2	-11.191	0.64	-10.551	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-1.374	0.19	-1.184	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-1.502	0.19	-1.312	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-0.832	0.19	-0.642	11	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-0.456	0.19	-0.266	11	Pass
NVNT	802.11n(HT20)	5200	Ant 2	-0.926	0.19	-0.736	11	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-0.737	0.19	-0.547	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-5.905	0.37	-5.535	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-5.685	0.38	-5.305	11	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-5.595	0.37	-5.225	11	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-5.54	0.38	-5.16	11	Pass

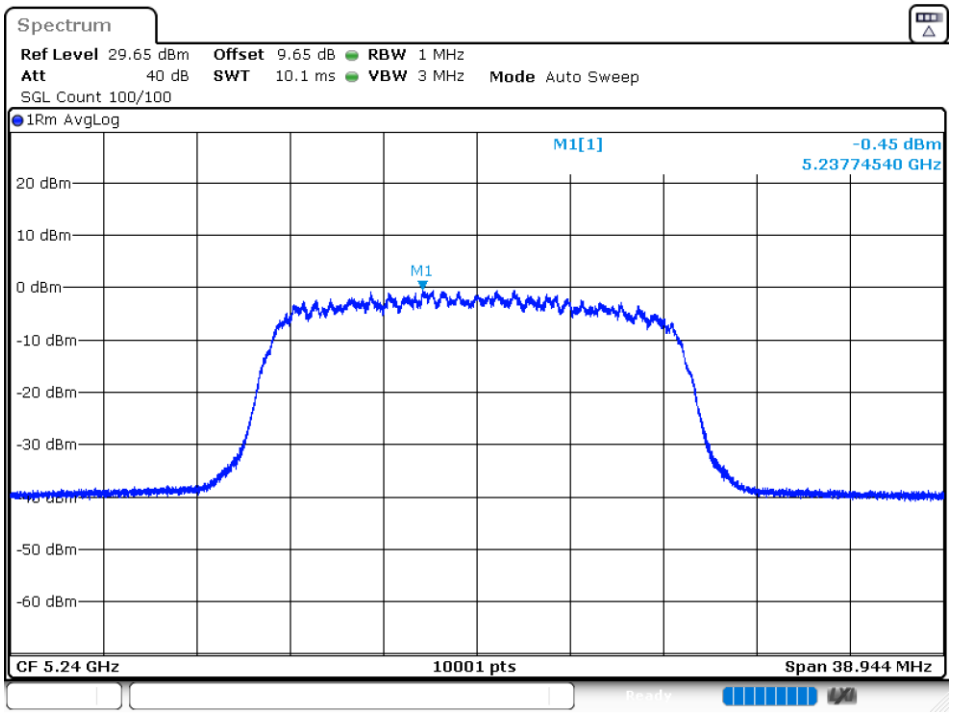
PSD NVNT 802.11a 5180MHz Ant 1



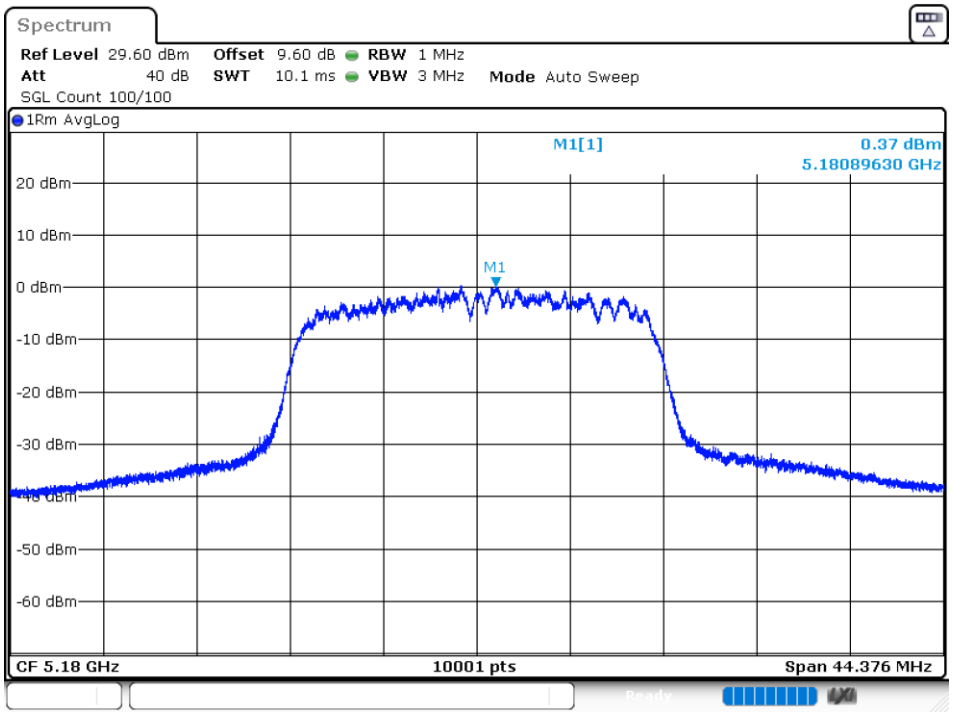
PSD NVNT 802.11a 5200MHz Ant 1



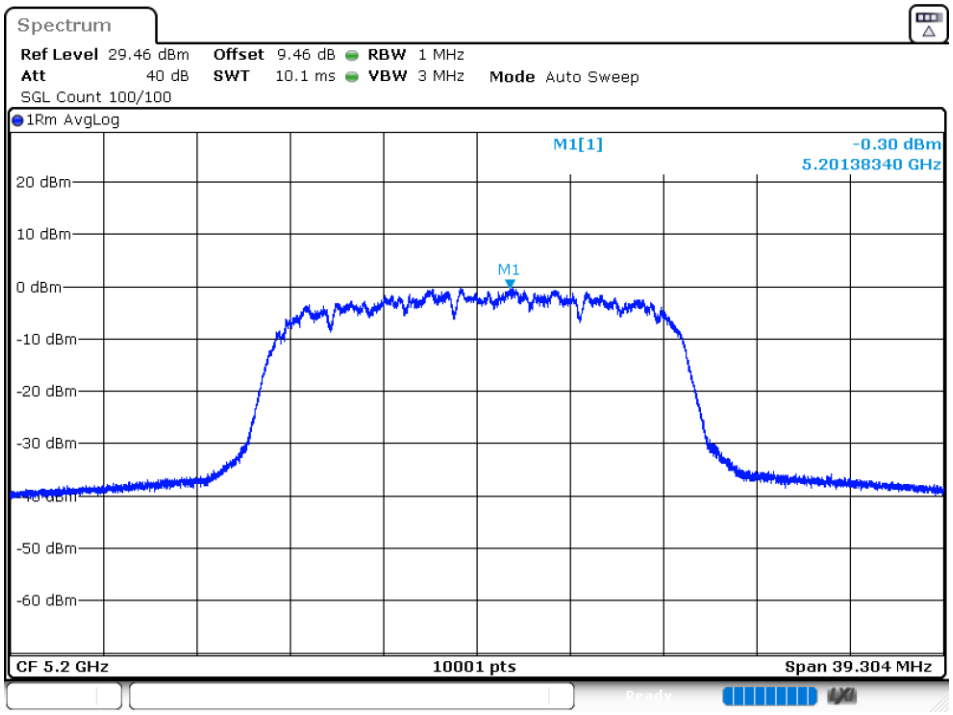
PSD NVNT 802.11a 5240MHz Ant 1



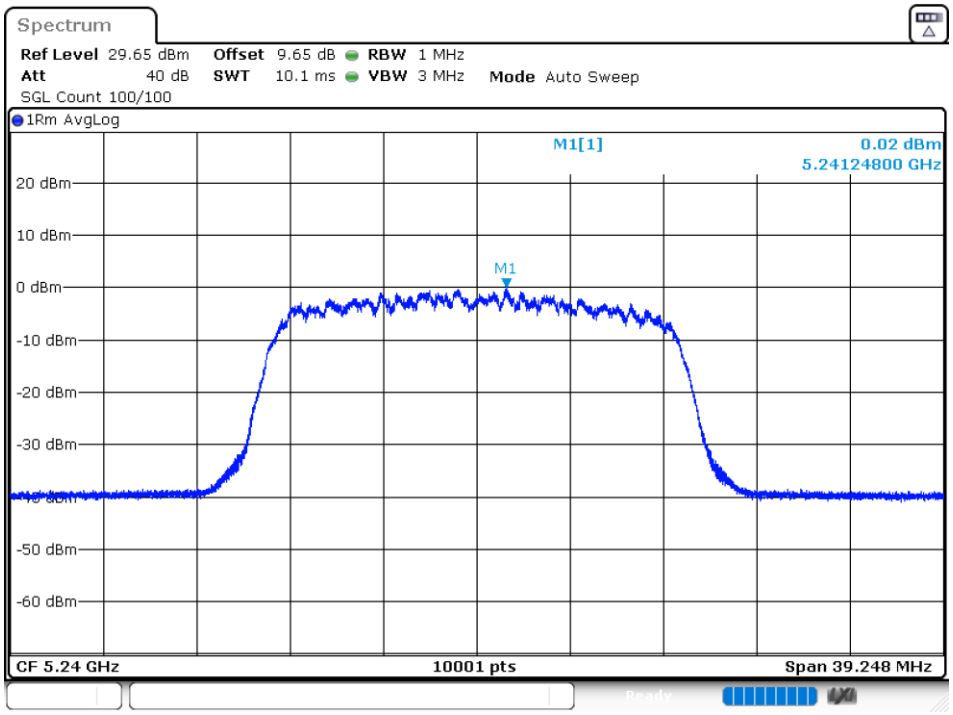
PSD NVNT 802.11a 5180MHz Ant 2



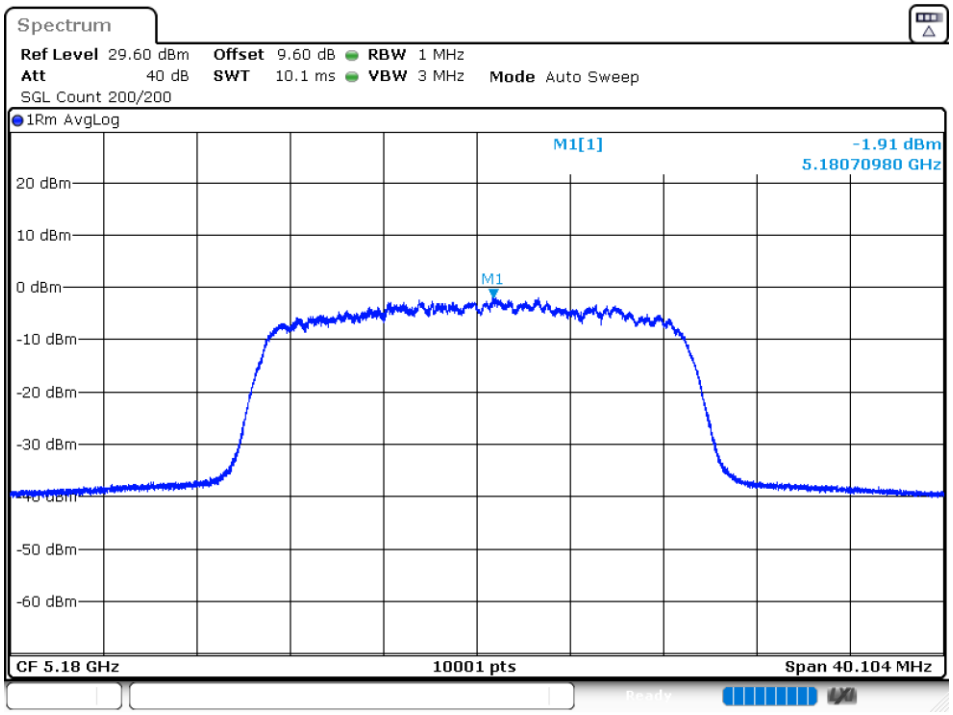
PSD NVNT 802.11a 5200MHz Ant 2



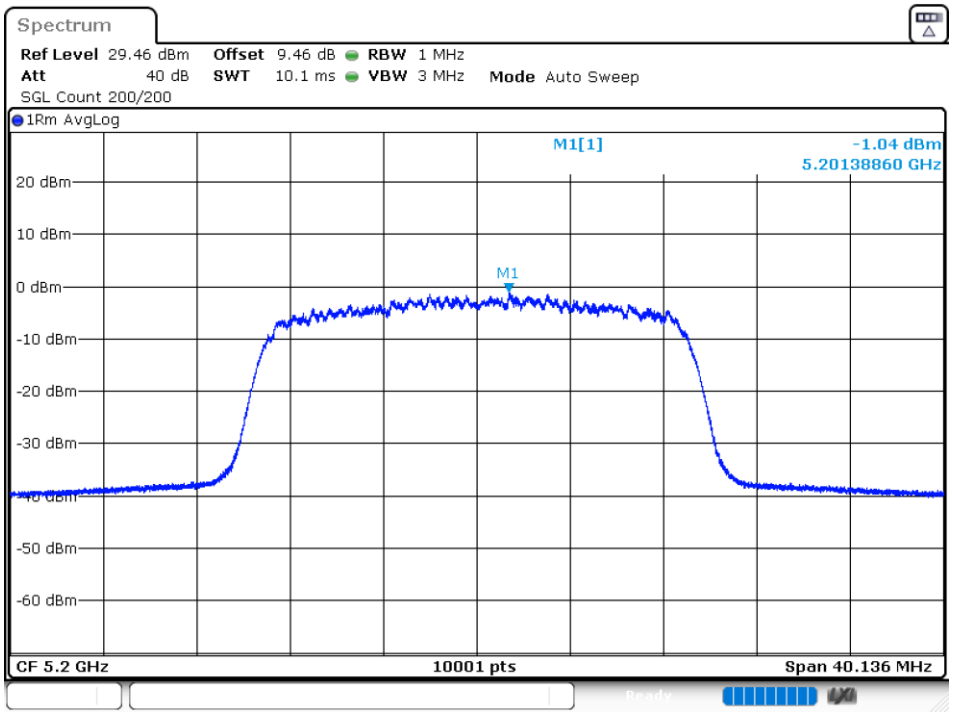
PSD NVNT 802.11a 5240MHz Ant 2



PSD NVNT 802.11ac20 5180MHz Ant 1



PSD NVNT 802.11ac20 5200MHz Ant 1



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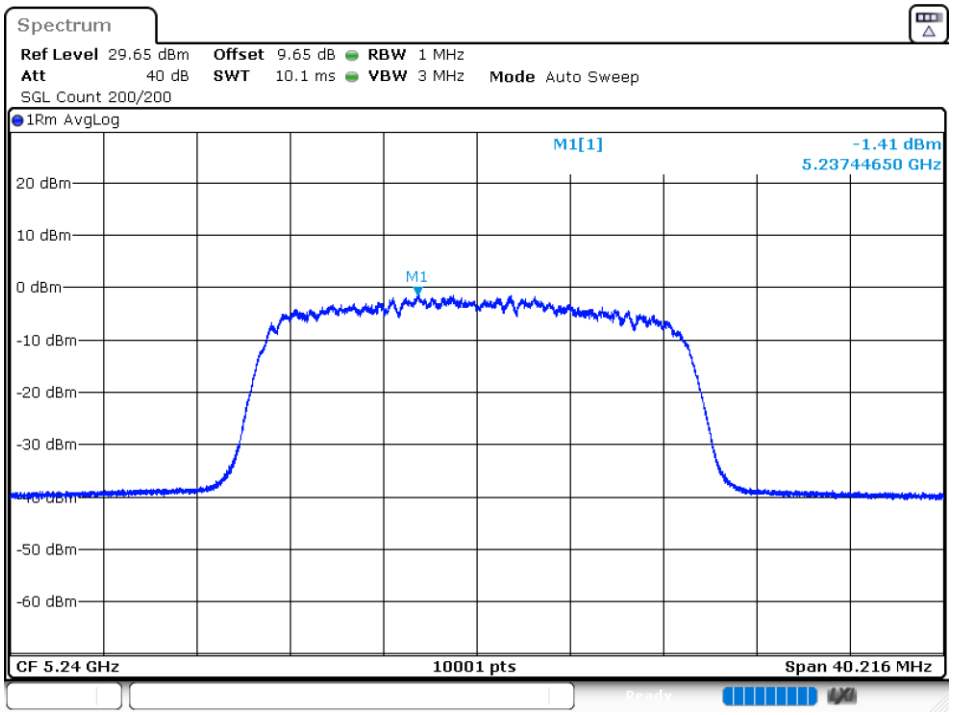

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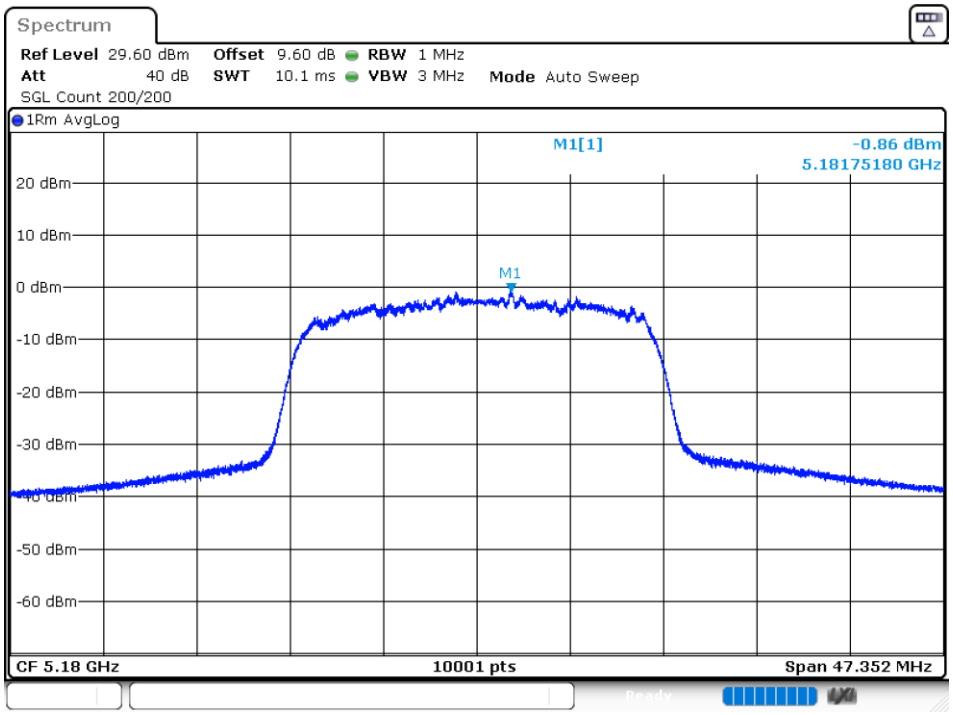
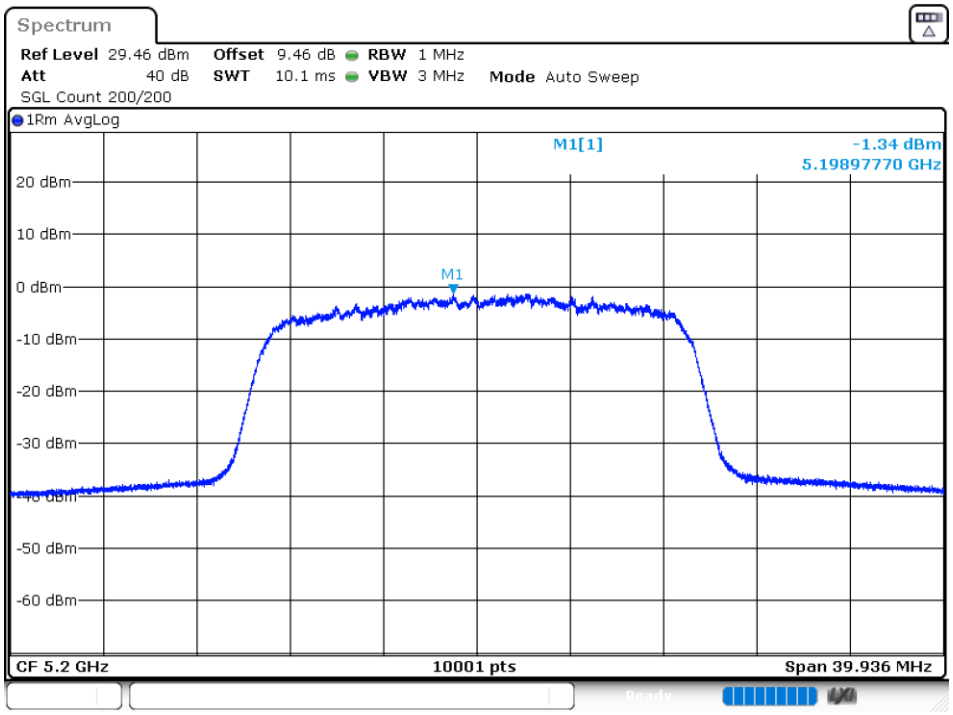
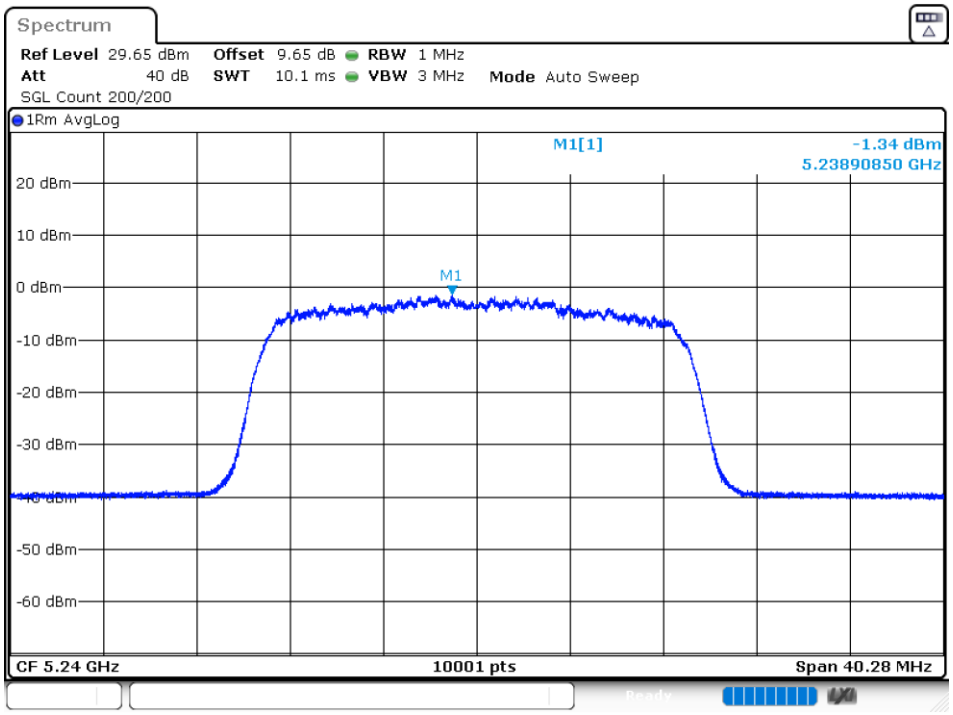


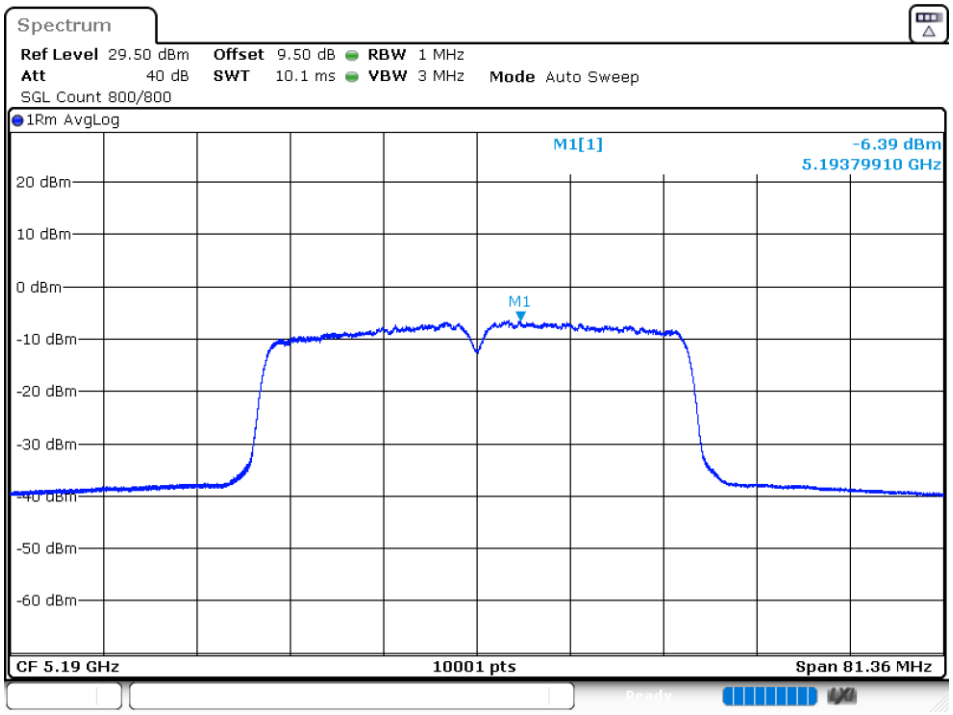
PSD NVNT 802.11ac20 5200MHz Ant 2



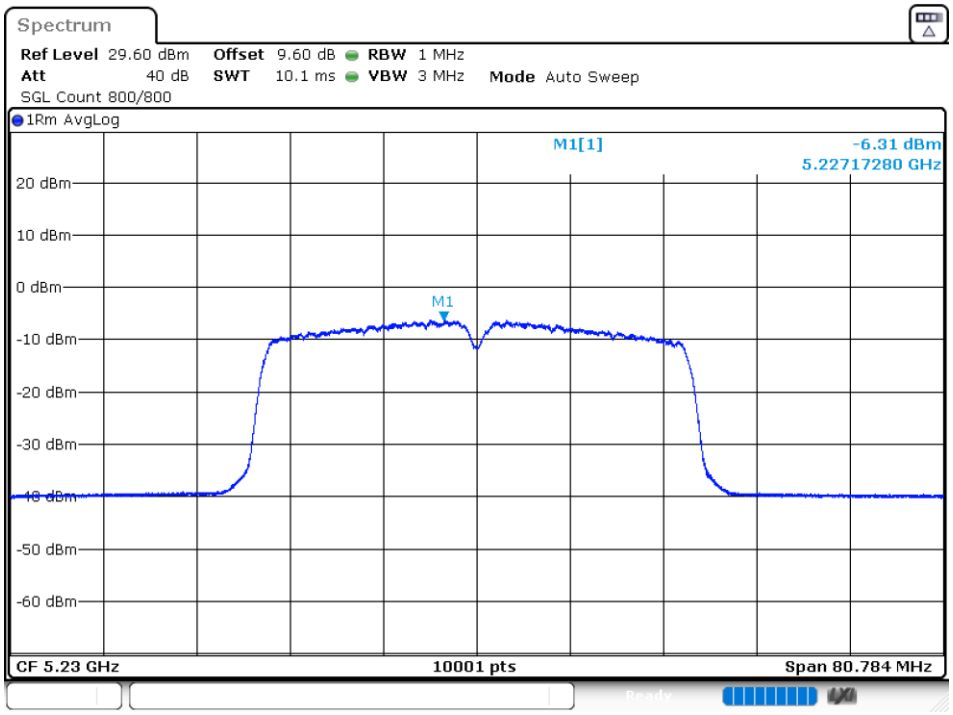
PSD NVNT 802.11ac20 5240MHz Ant 2



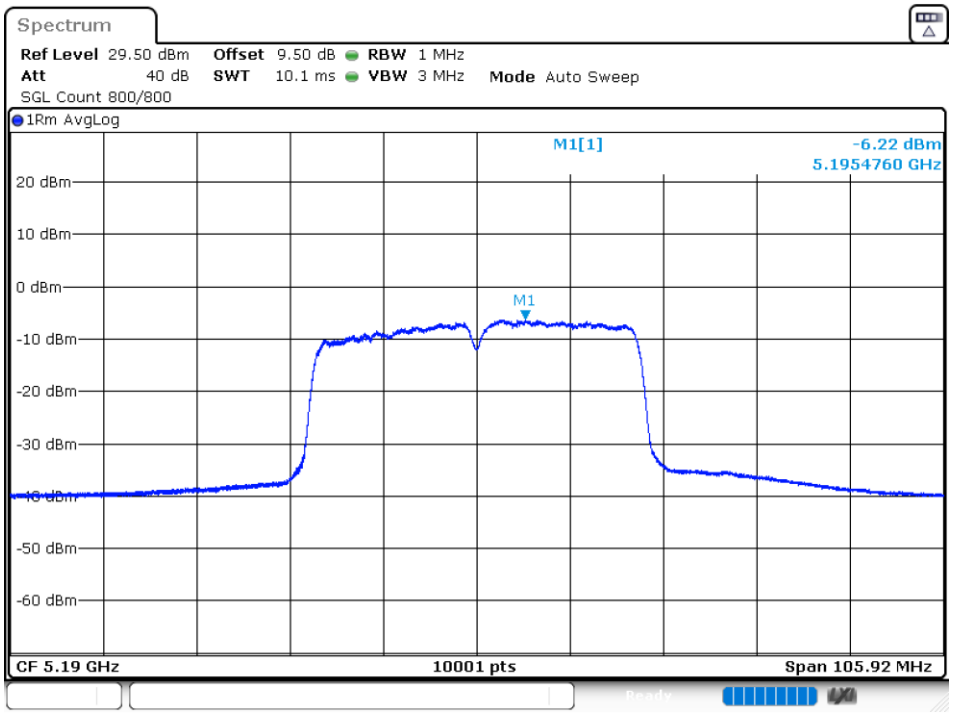
PSD NVNT 802.11ac40 5190MHz Ant 1



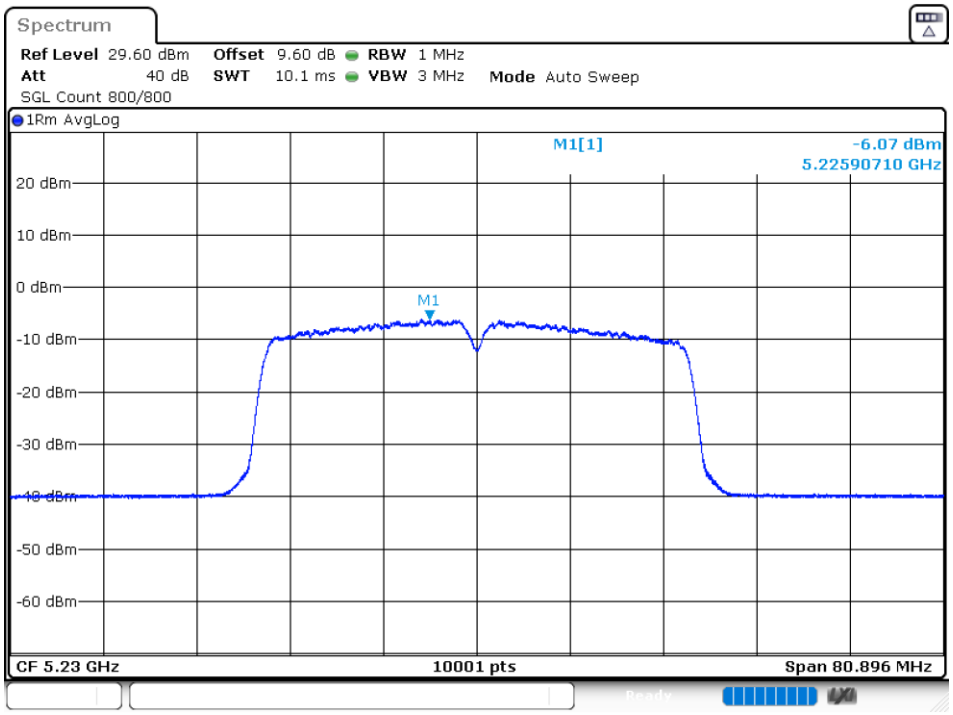
PSD NVNT 802.11ac40 5230MHz Ant 1



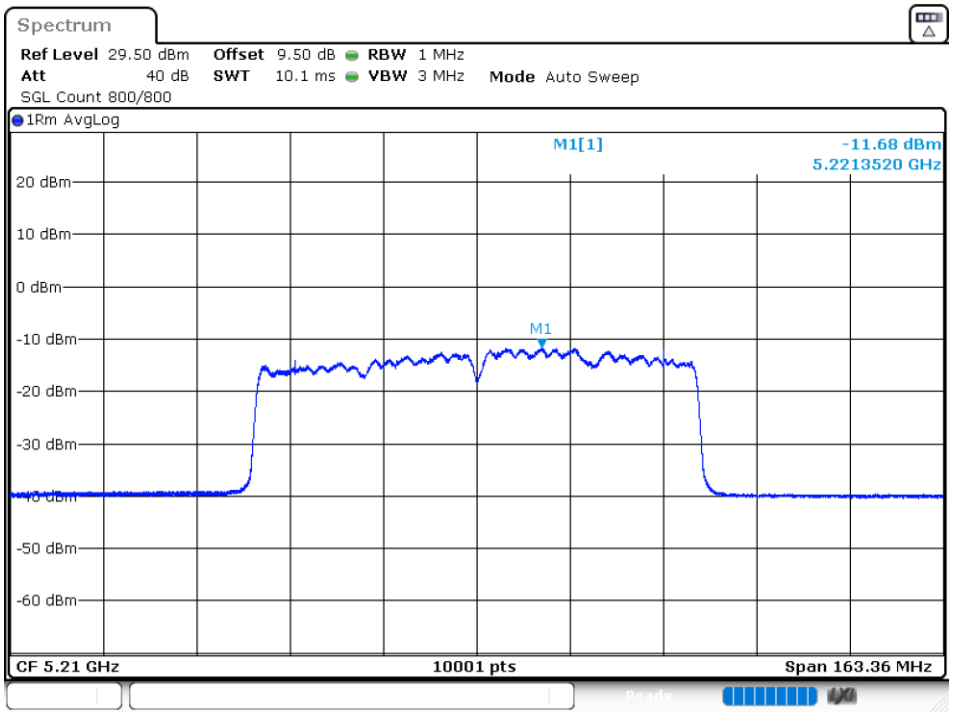
PSD NVNT 802.11ac40 5190MHz Ant 2



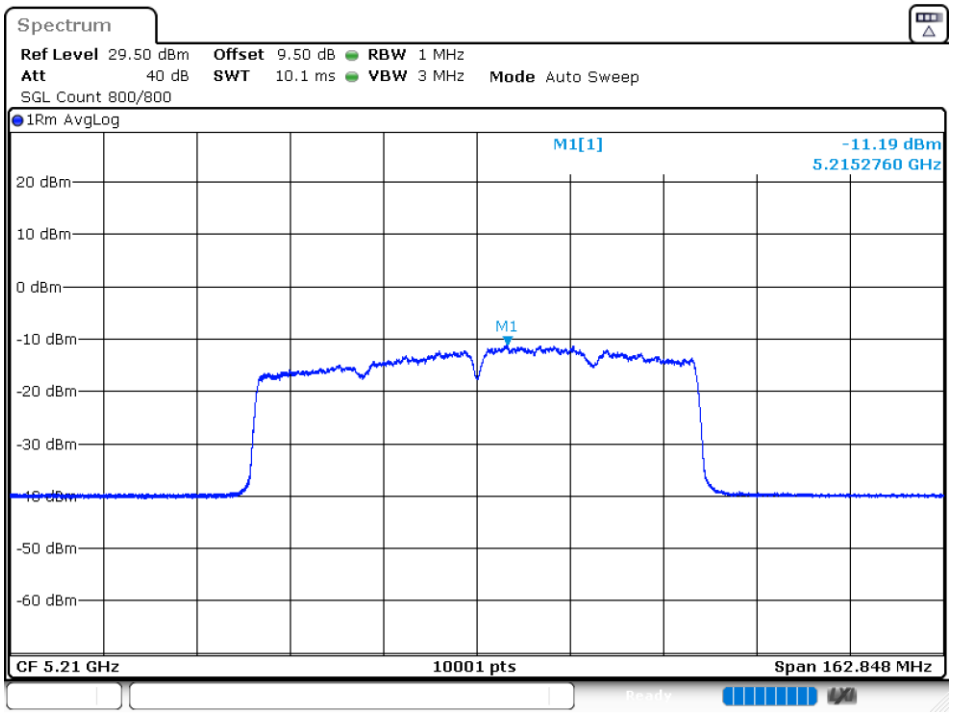
PSD NVNT 802.11ac40 5230MHz Ant 2



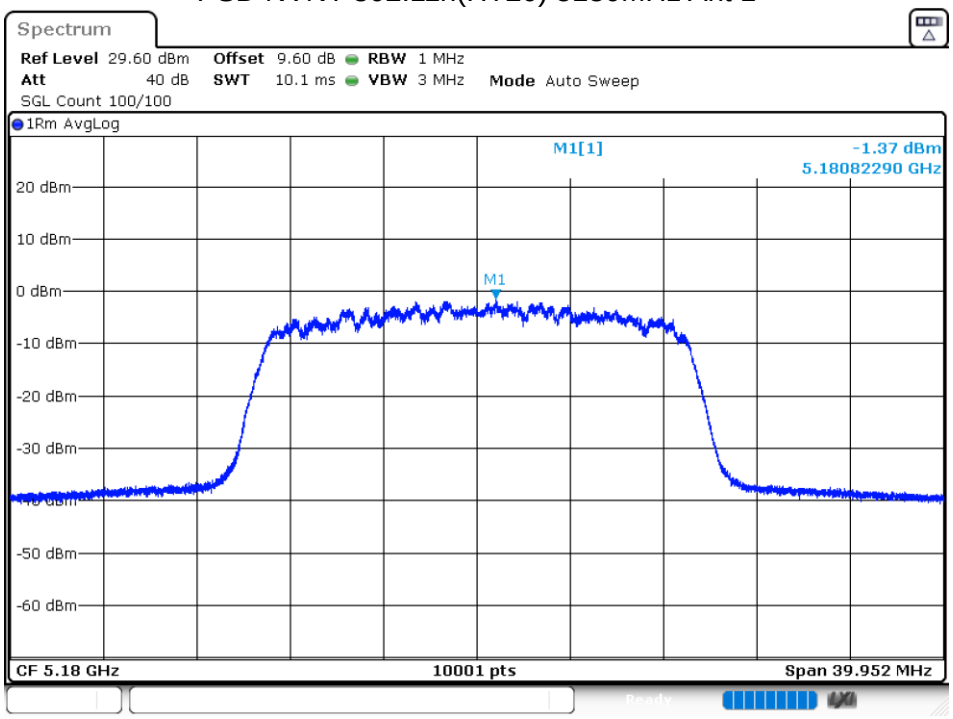
PSD NVNT 802.11ac80 5210MHz Ant 1



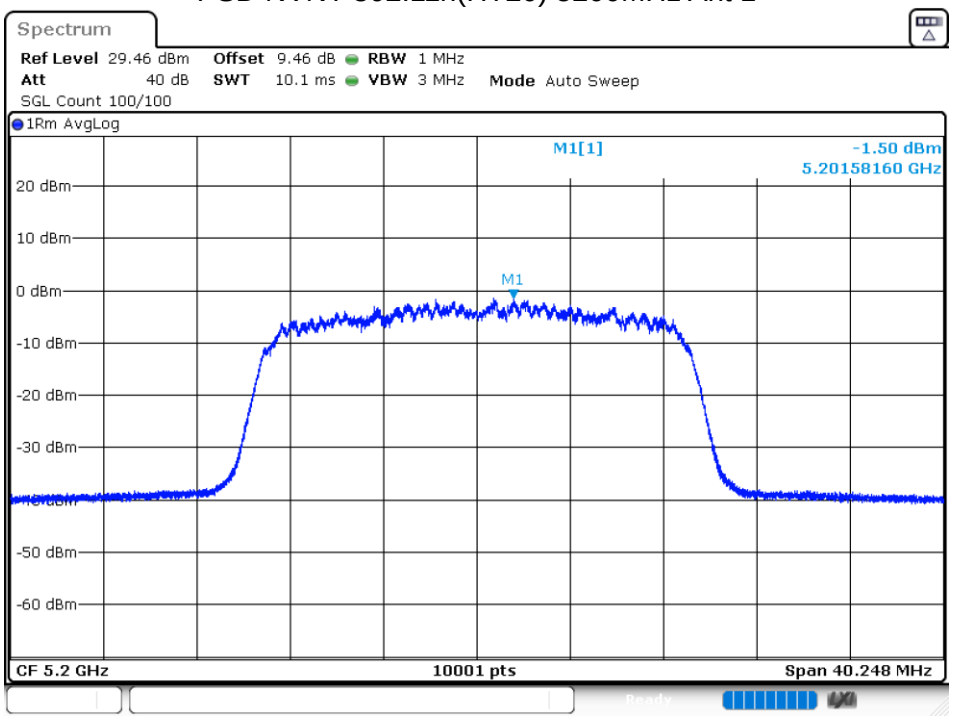
PSD NVNT 802.11ac80 5210MHz Ant 2



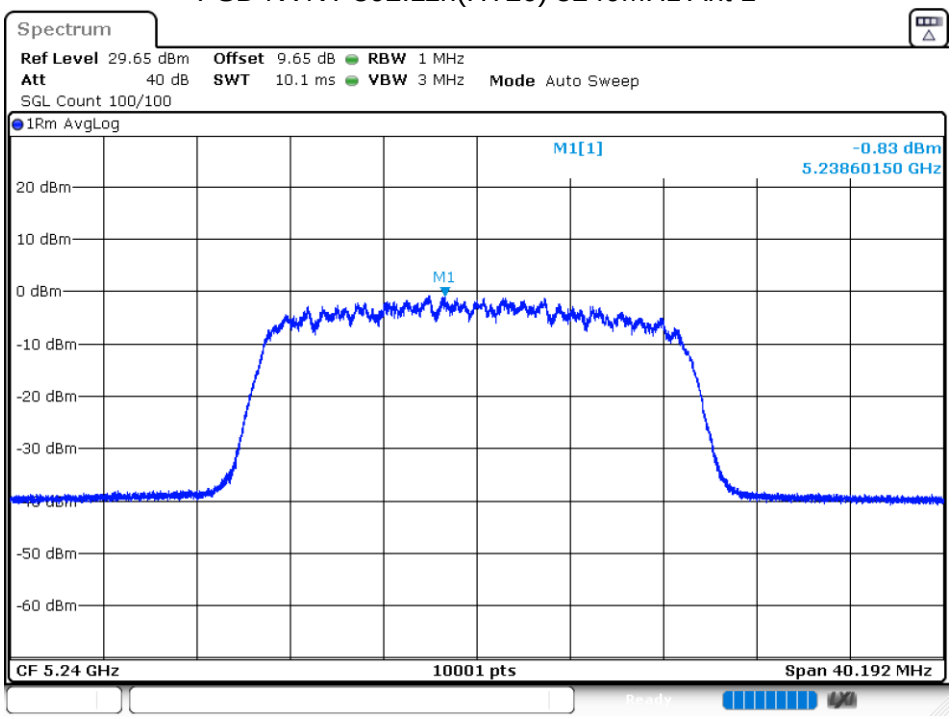
PSD NVNT 802.11n(HT20) 5180MHz Ant 1



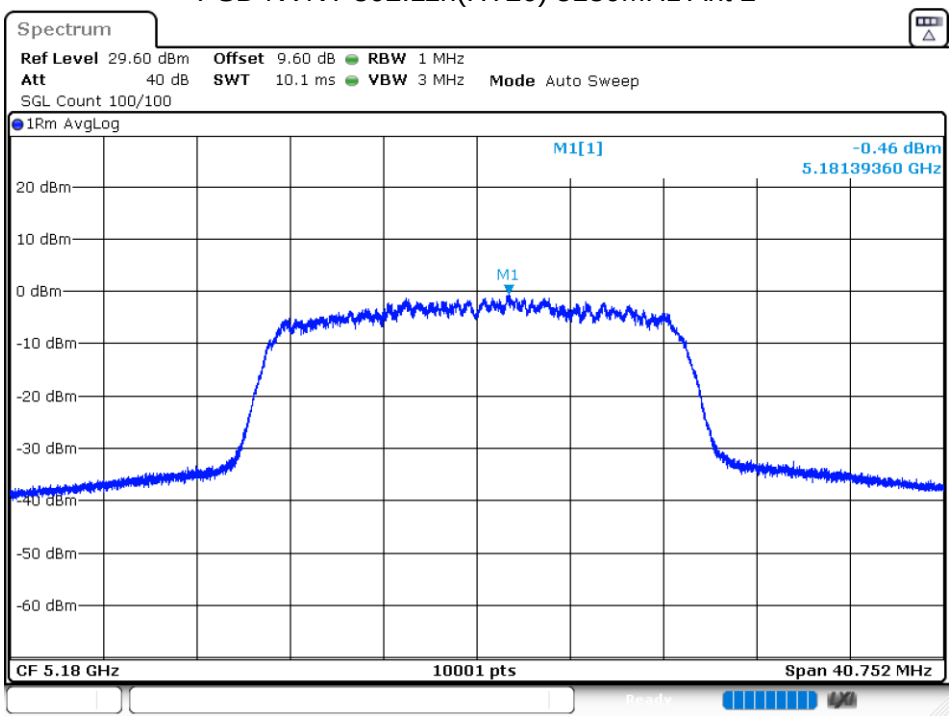
PSD NVNT 802.11n(HT20) 5200MHz Ant 1



PSD NVNT 802.11n(HT20) 5240MHz Ant 1



PSD NVNT 802.11n(HT20) 5180MHz Ant 2



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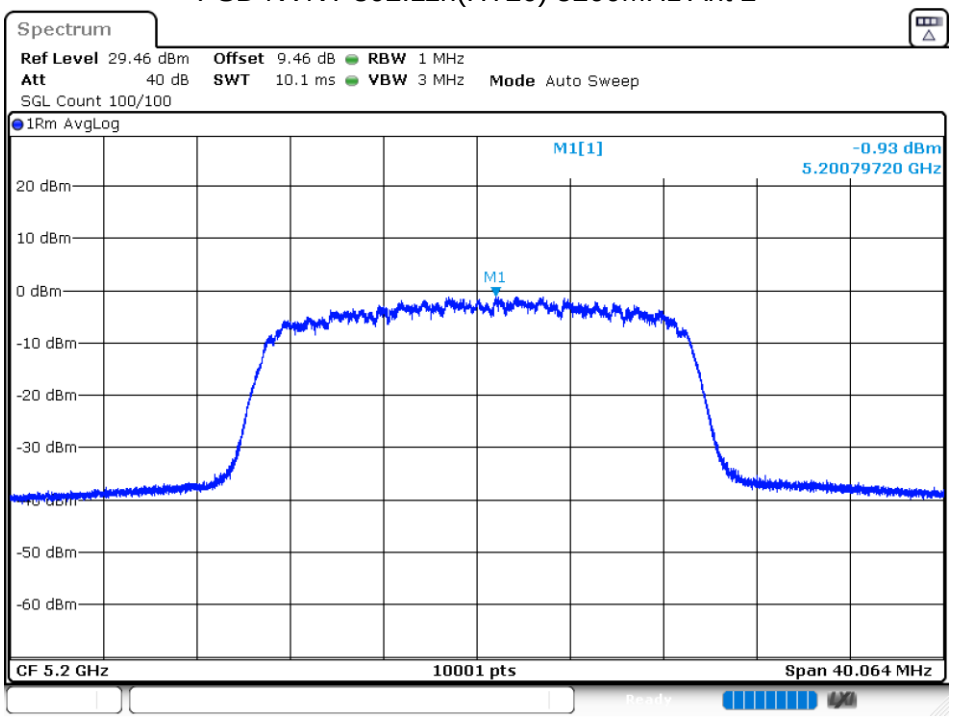

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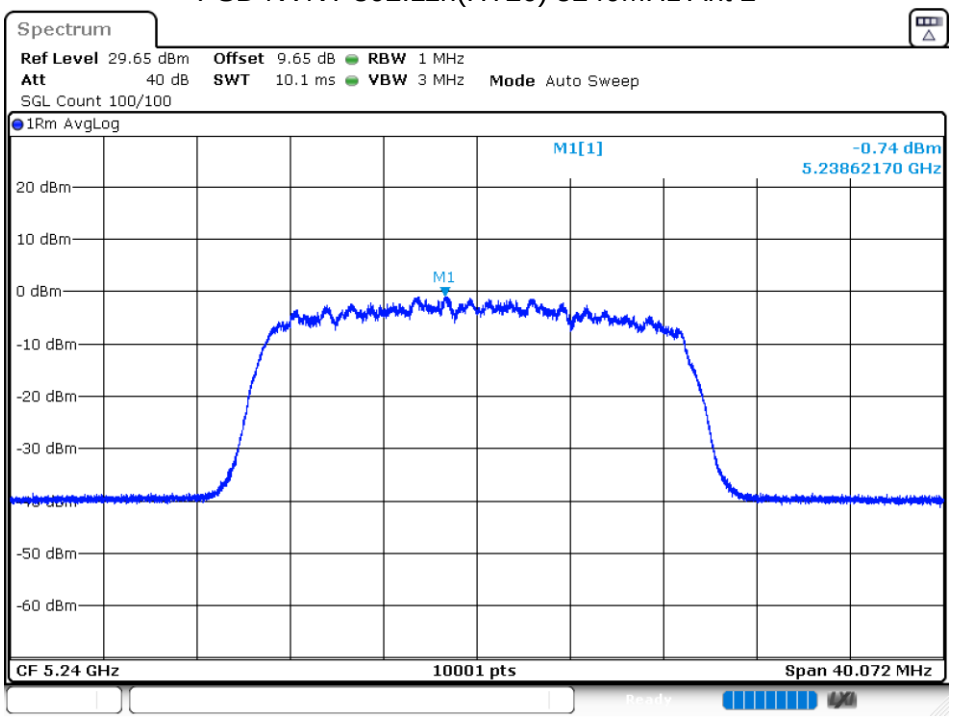
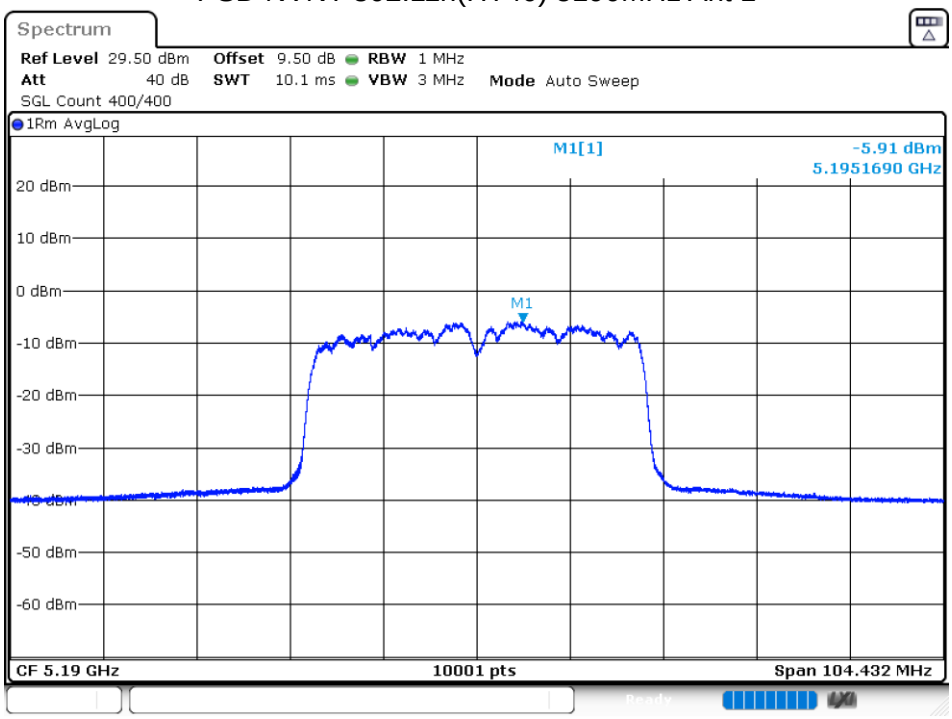
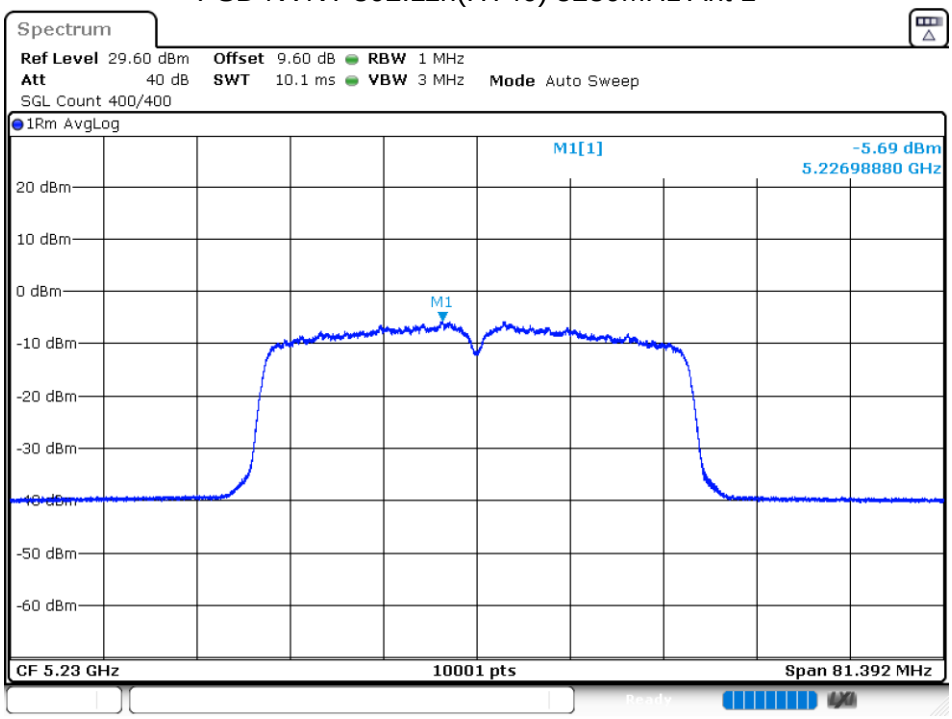


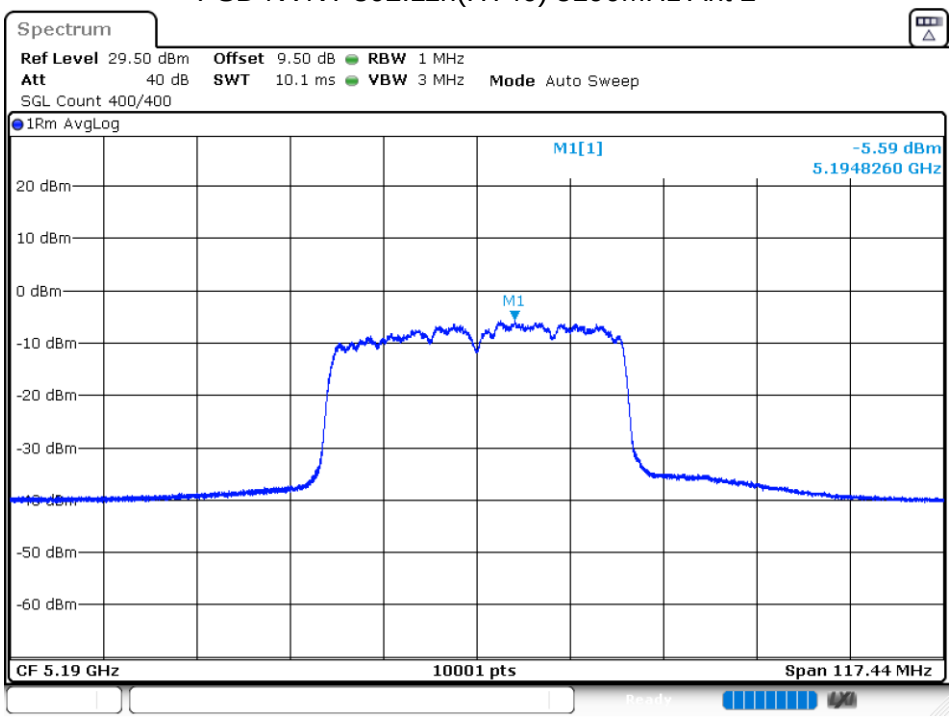
PSD NVNT 802.11n(HT40) 5190MHz Ant 1



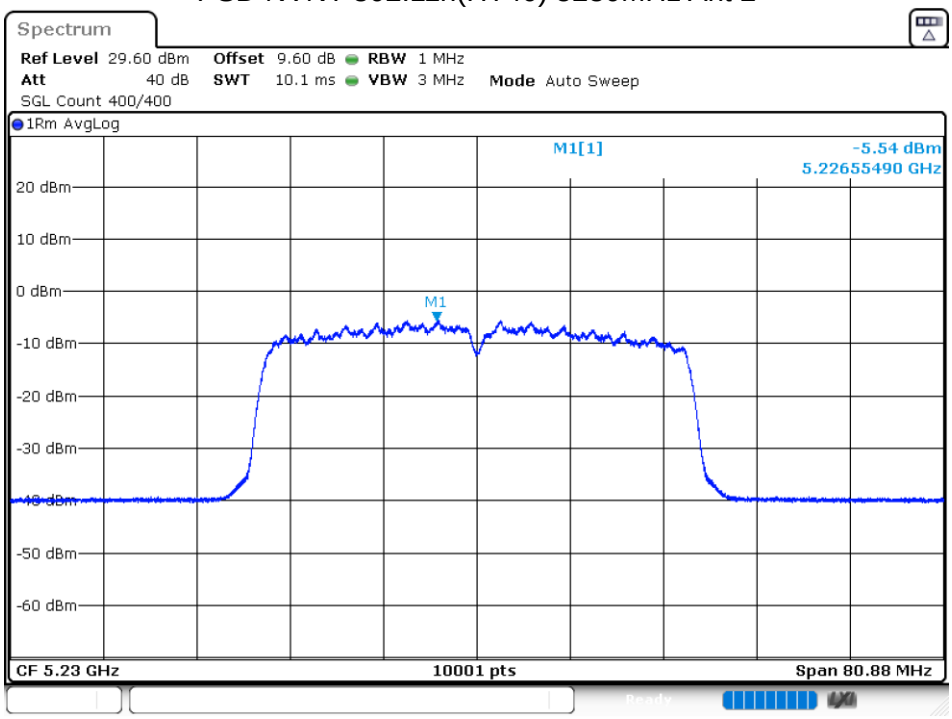
PSD NVNT 802.11n(HT40) 5230MHz Ant 1



PSD NVNT 802.11n(HT40) 5190MHz Ant 2



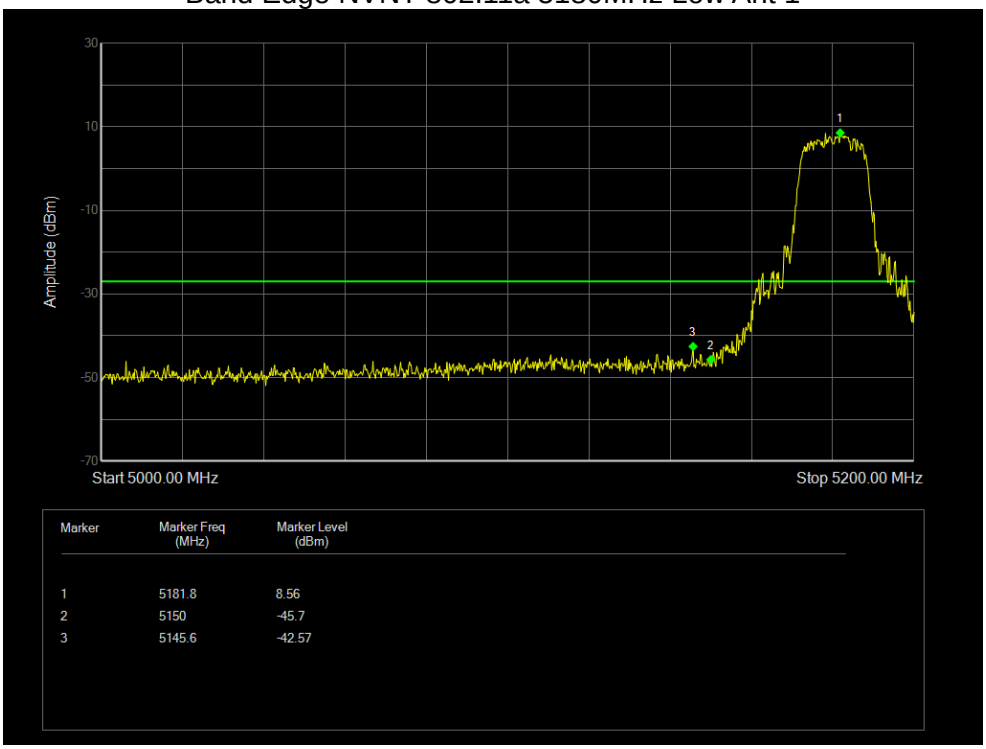
PSD NVNT 802.11n(HT40) 5230MHz Ant 2



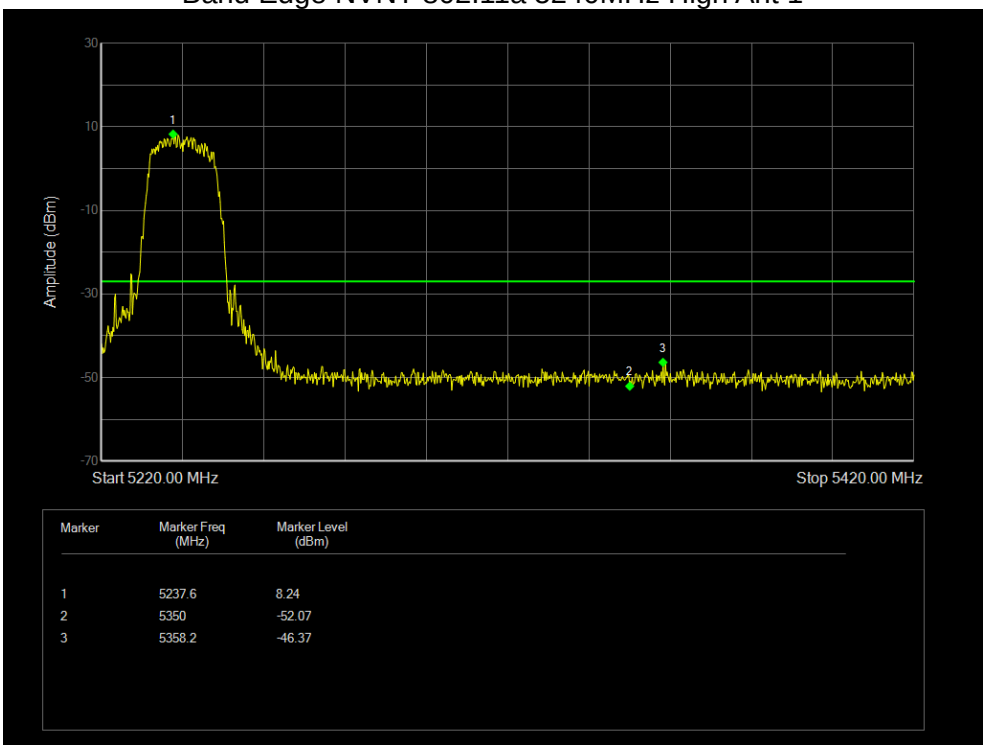
11.5 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-42.57	-27	Pass
NVNT	802.11a	5240	Ant 1	-46.37	-27	Pass
NVNT	802.11a	5180	Ant 2	-38.83	-27	Pass
NVNT	802.11a	5240	Ant 2	-46.65	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-43.88	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-46.62	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-39.32	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-46.22	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-32.64	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-46.66	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-35.38	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-46.48	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-48.83	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-35.32	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-46.99	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-38.16	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-44.07	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-47.66	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-34.51	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-47.7	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-33.41	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-46.99	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-31.67	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-46.89	-27	Pass

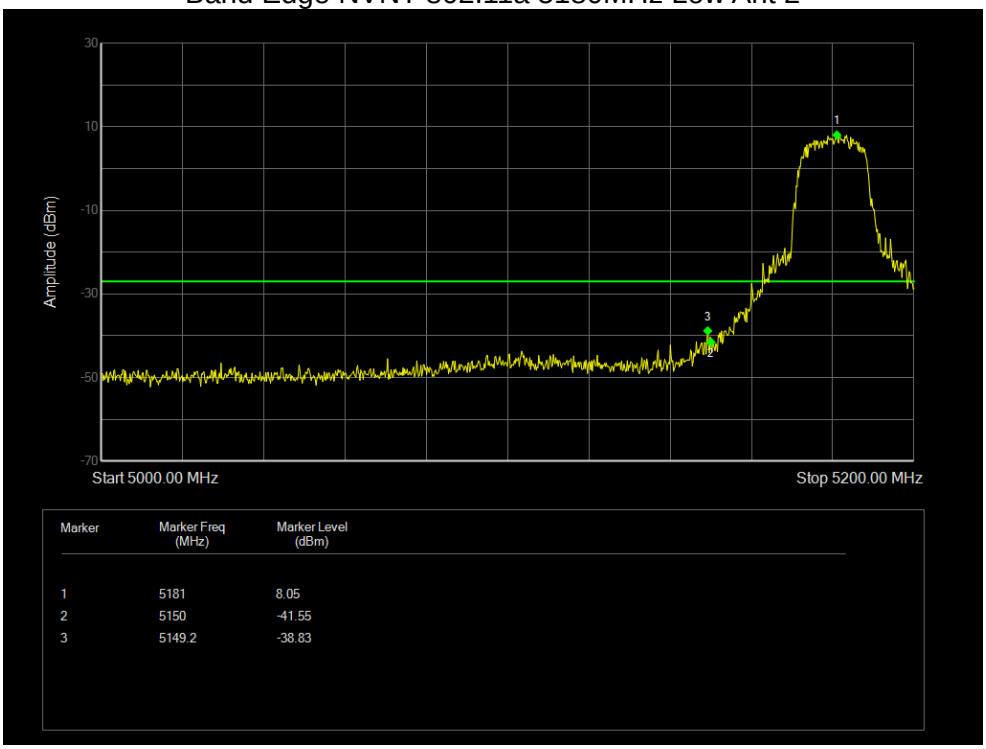
Band Edge NVNT 802.11a 5180MHz Low Ant 1



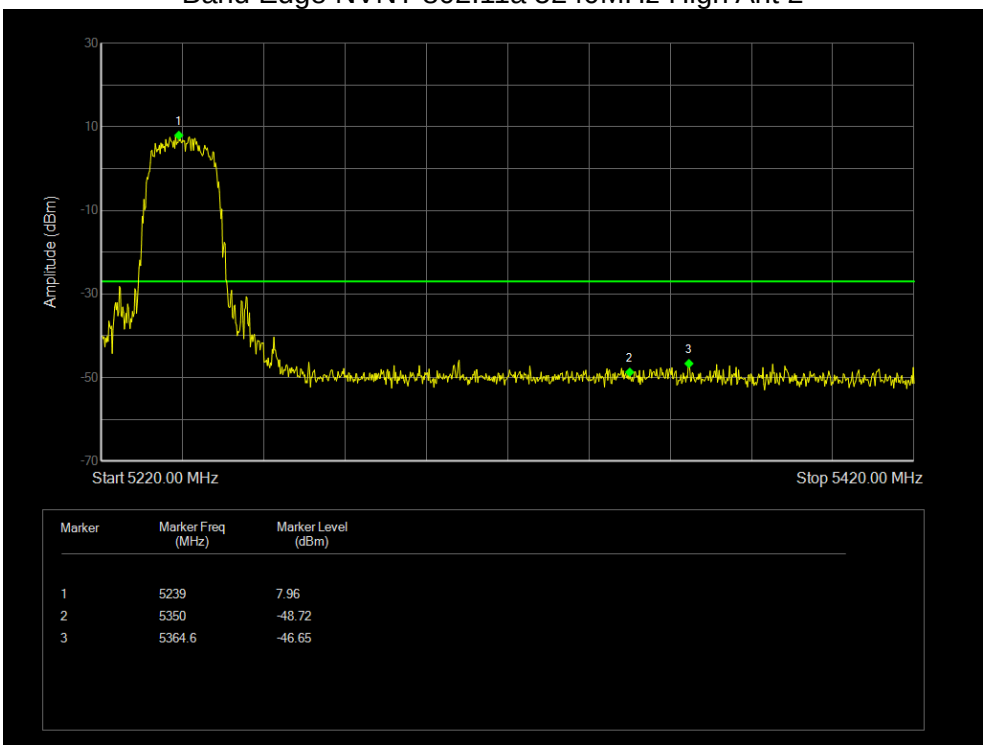
Band Edge NVNT 802.11a 5240MHz High Ant 1



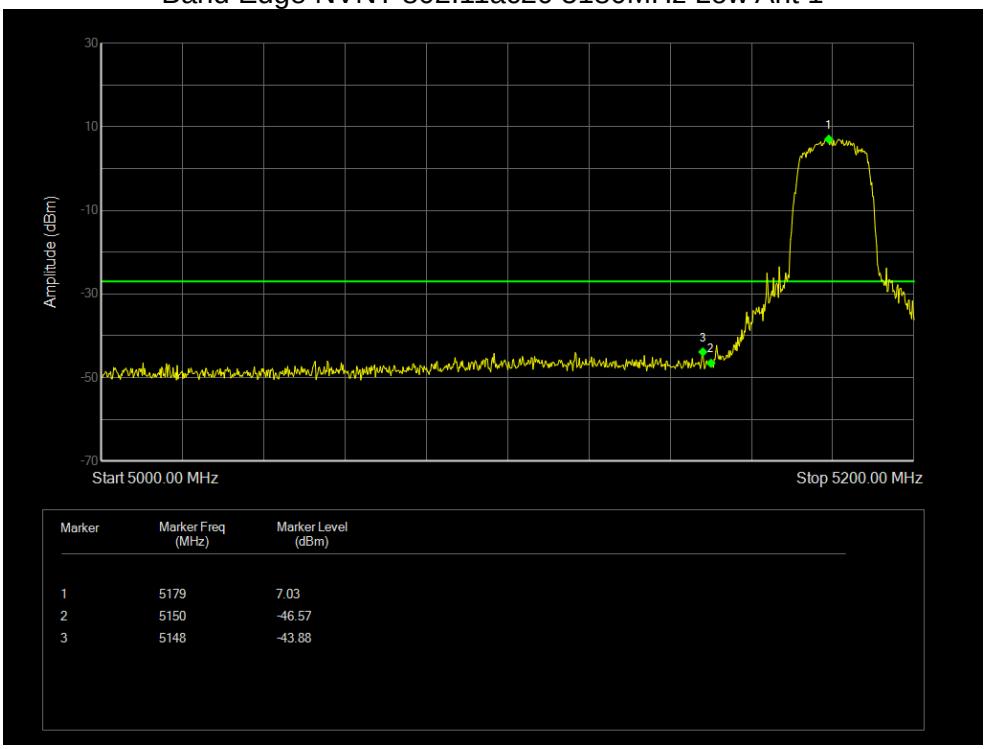
Band Edge NVNT 802.11a 5180MHz Low Ant 2



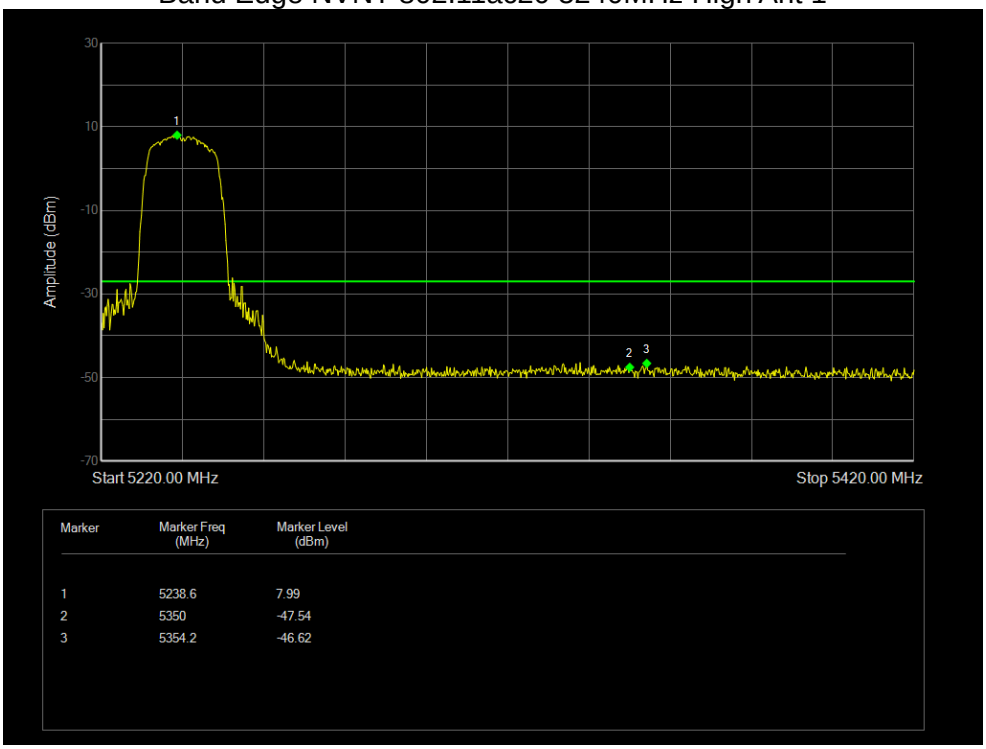
Band Edge NVNT 802.11a 5240MHz High Ant 2



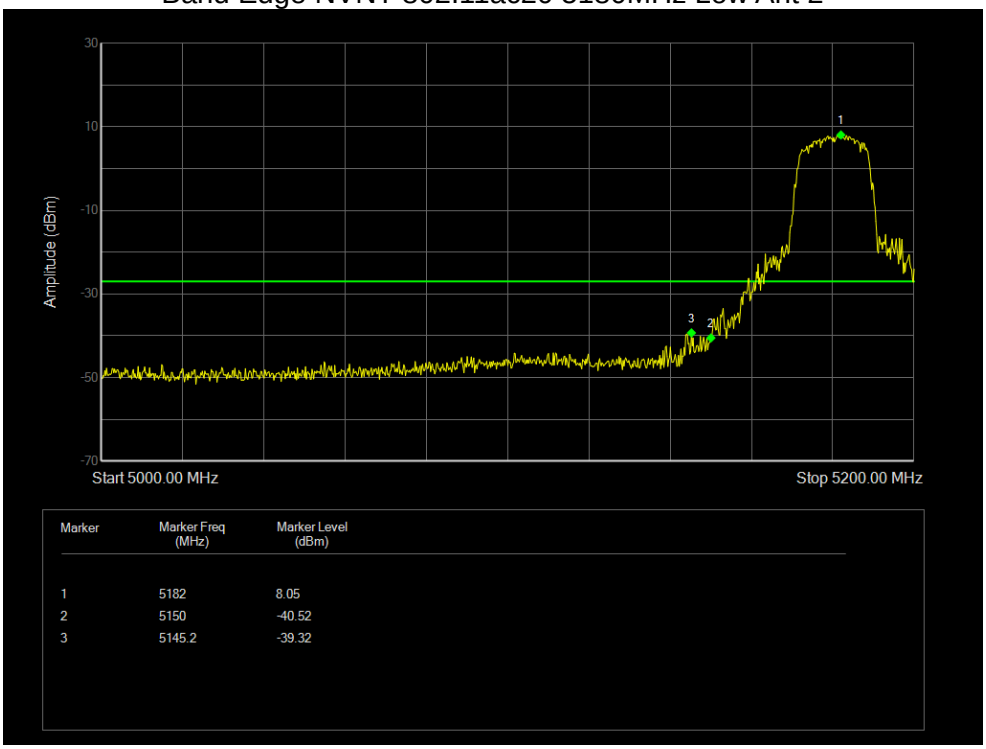
Band Edge NVNT 802.11ac20 5180MHz Low Ant 1



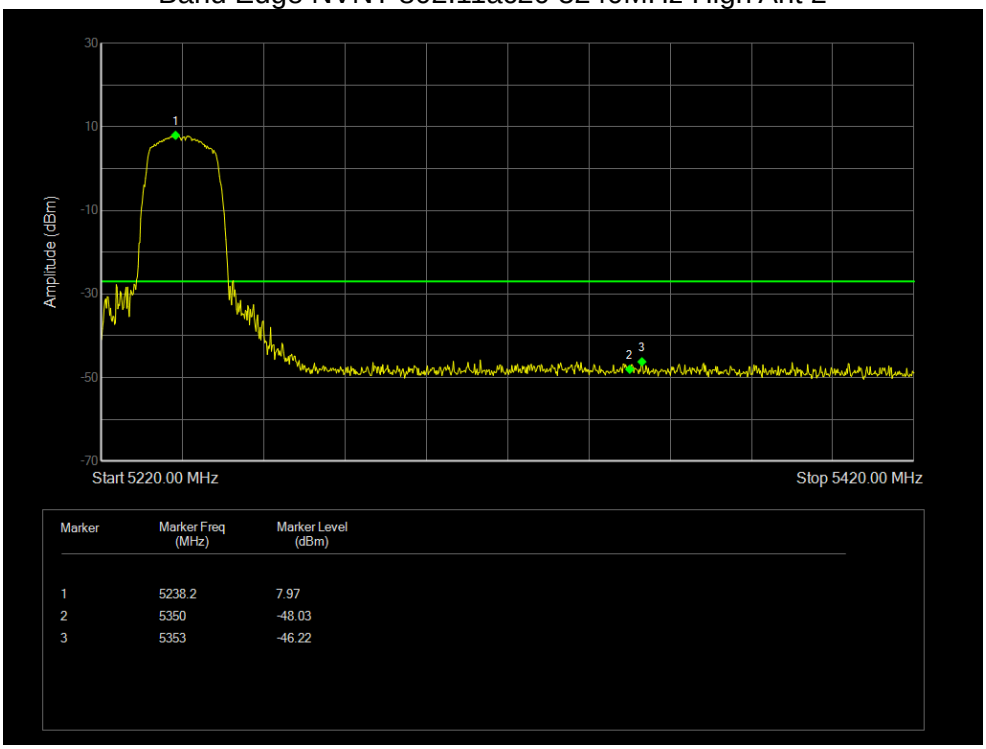
Band Edge NVNT 802.11ac20 5240MHz High Ant 1



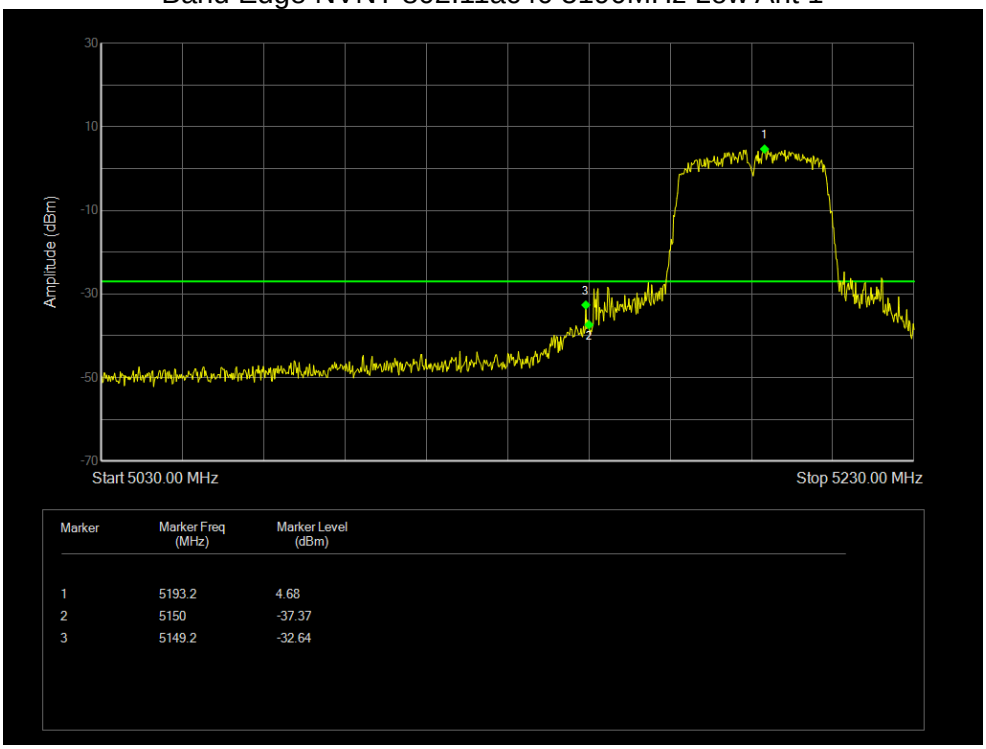
Band Edge NVNT 802.11ac20 5180MHz Low Ant 2



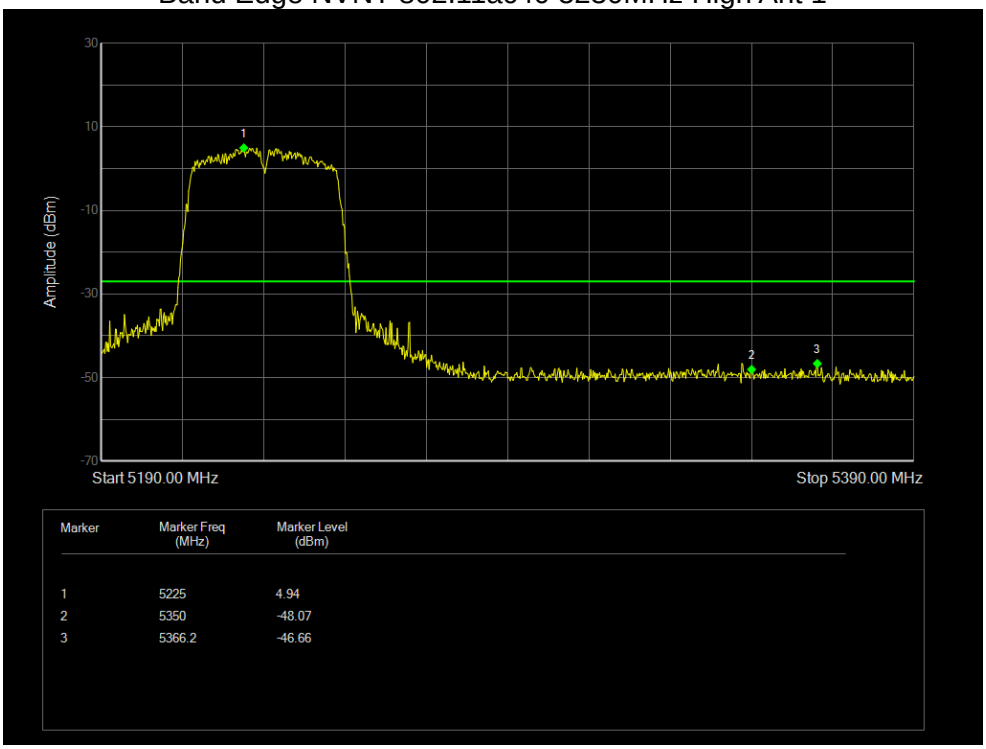
Band Edge NVNT 802.11ac20 5240MHz High Ant 2



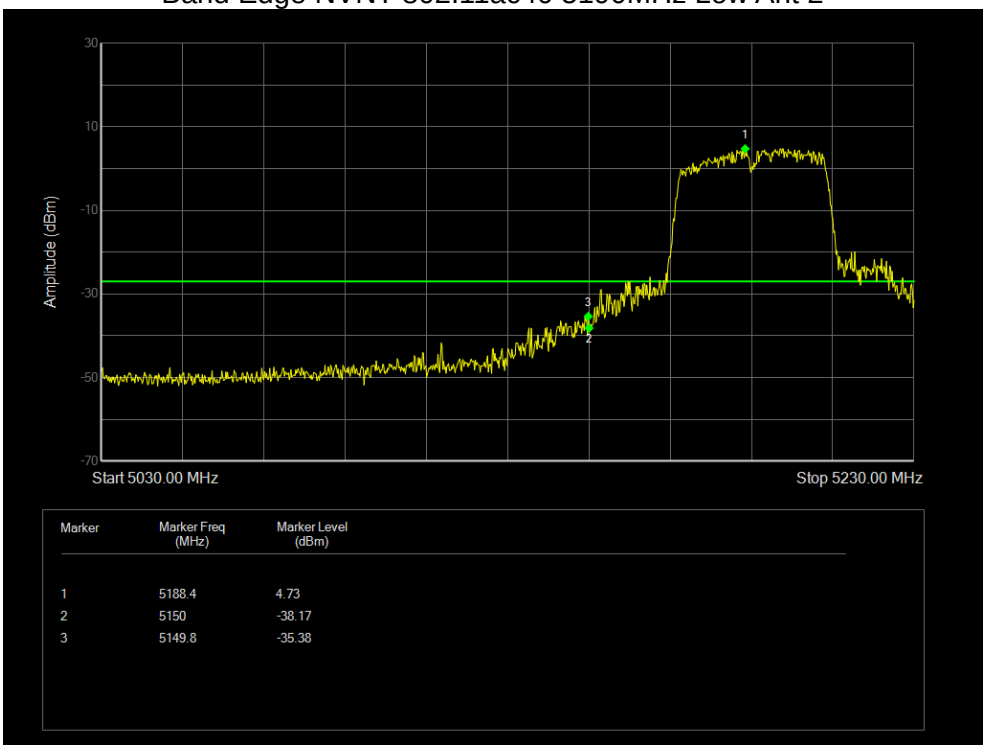
Band Edge NVNT 802.11ac40 5190MHz Low Ant 1



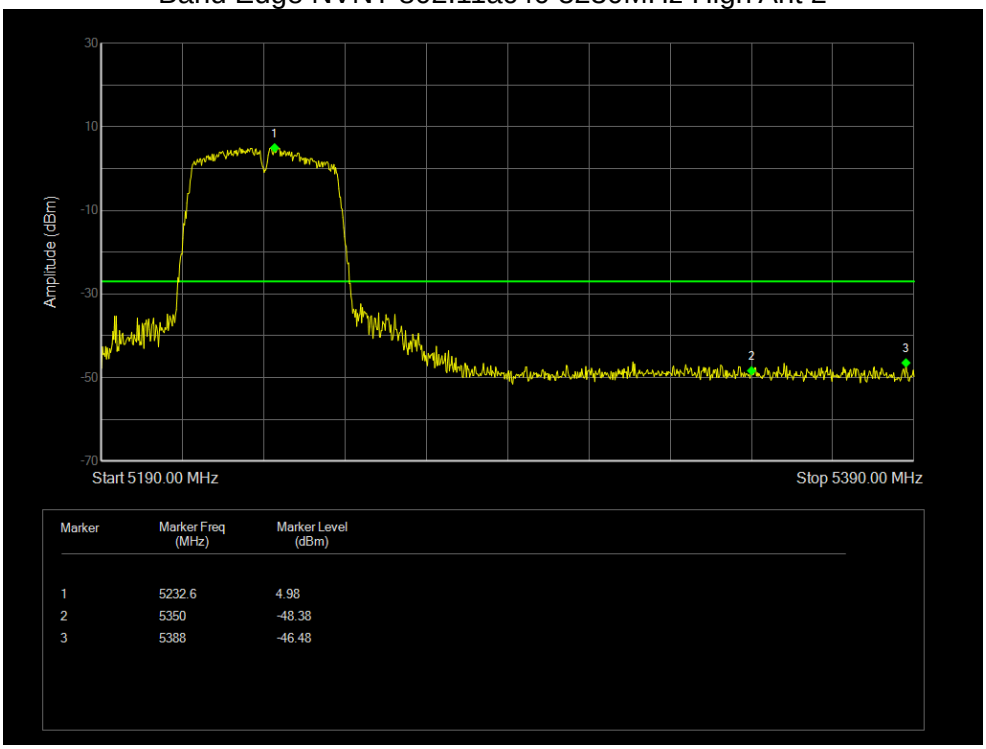
Band Edge NVNT 802.11ac40 5230MHz High Ant 1



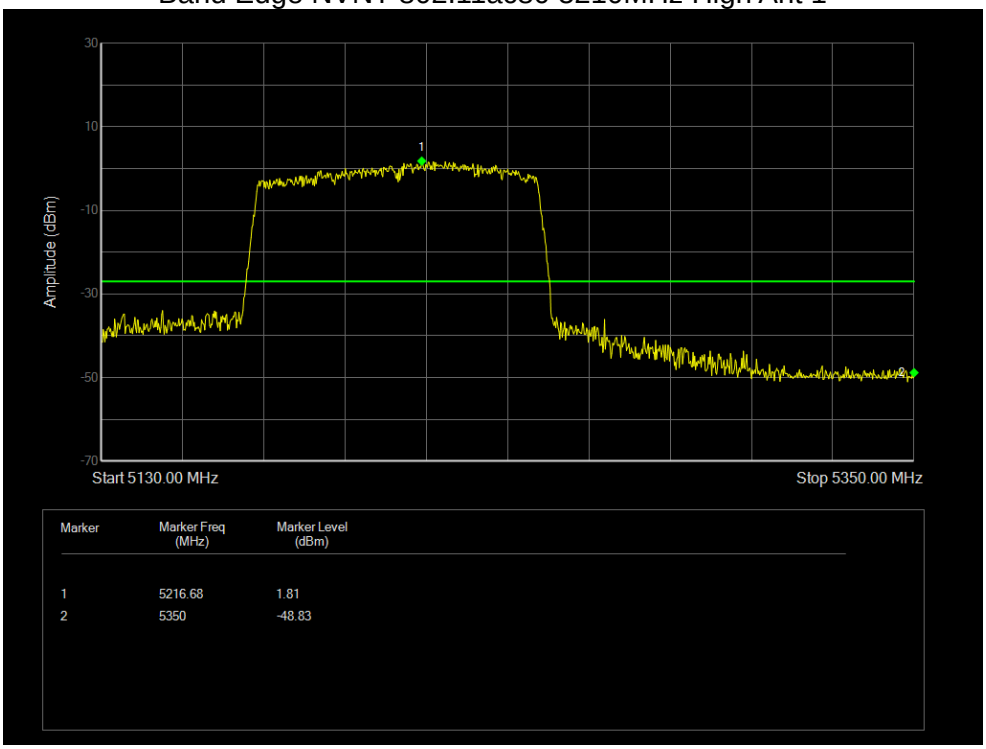
Band Edge NVNT 802.11ac40 5190MHz Low Ant 2



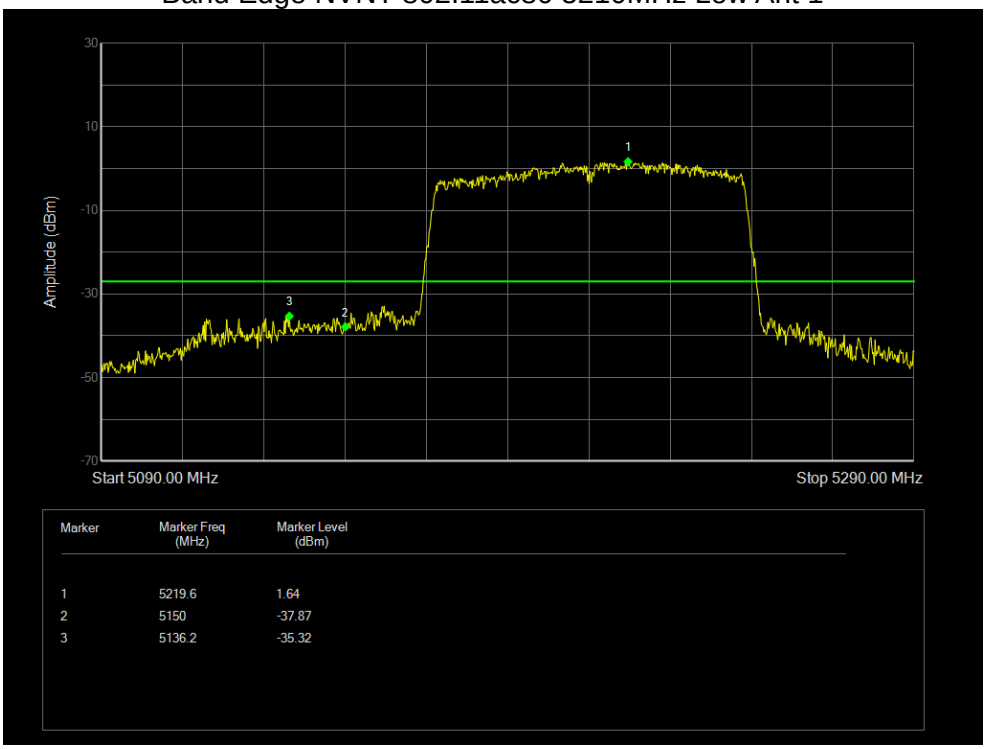
Band Edge NVNT 802.11ac40 5230MHz High Ant 2



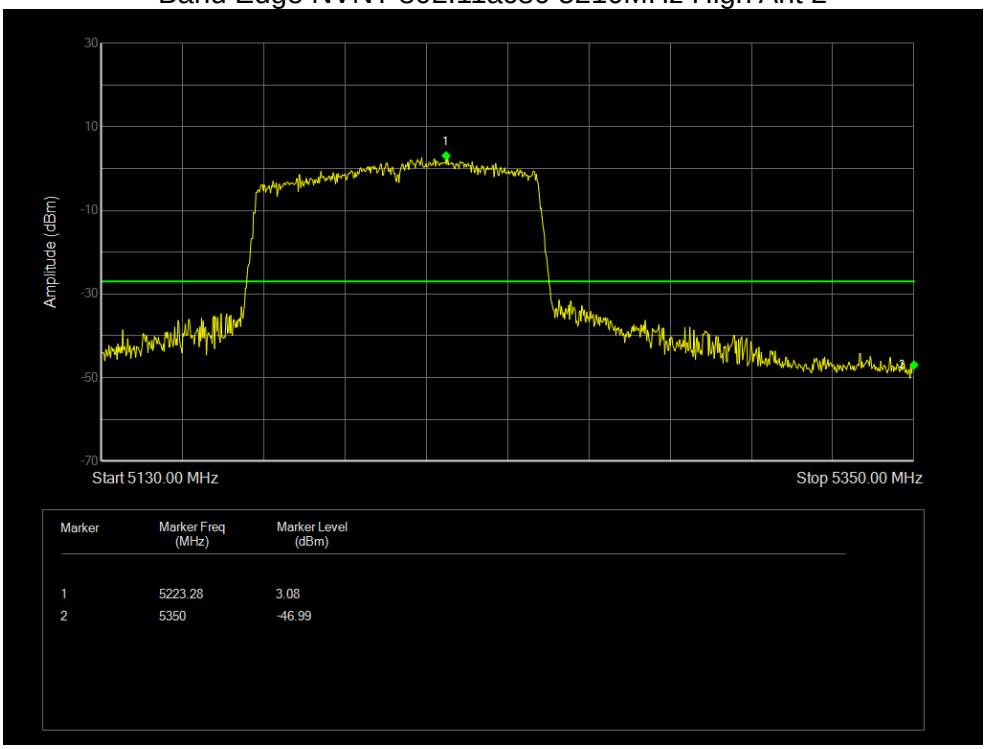
Band Edge NVNT 802.11ac80 5210MHz High Ant 1



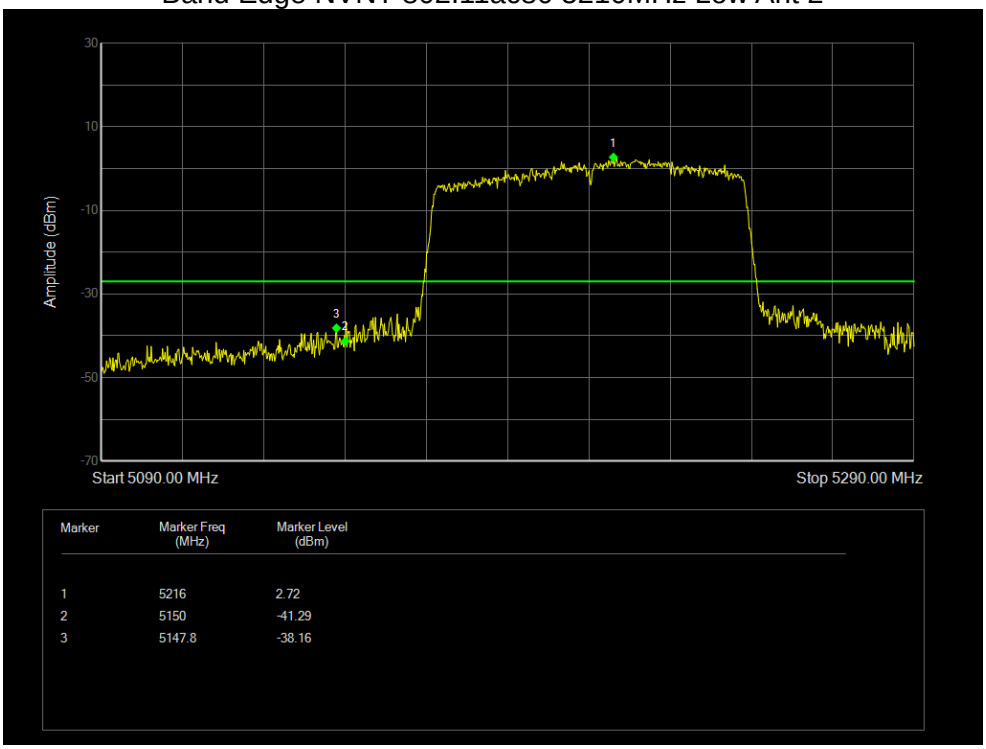
Band Edge NVNT 802.11ac80 5210MHz Low Ant 1



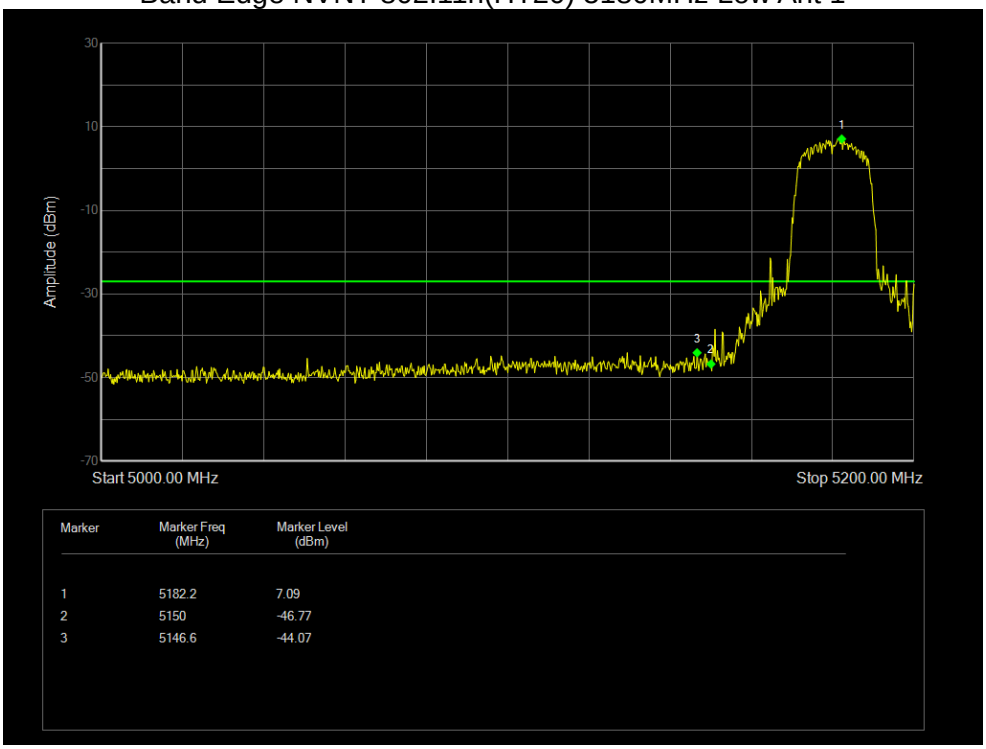
Band Edge NVNT 802.11ac80 5210MHz High Ant 2



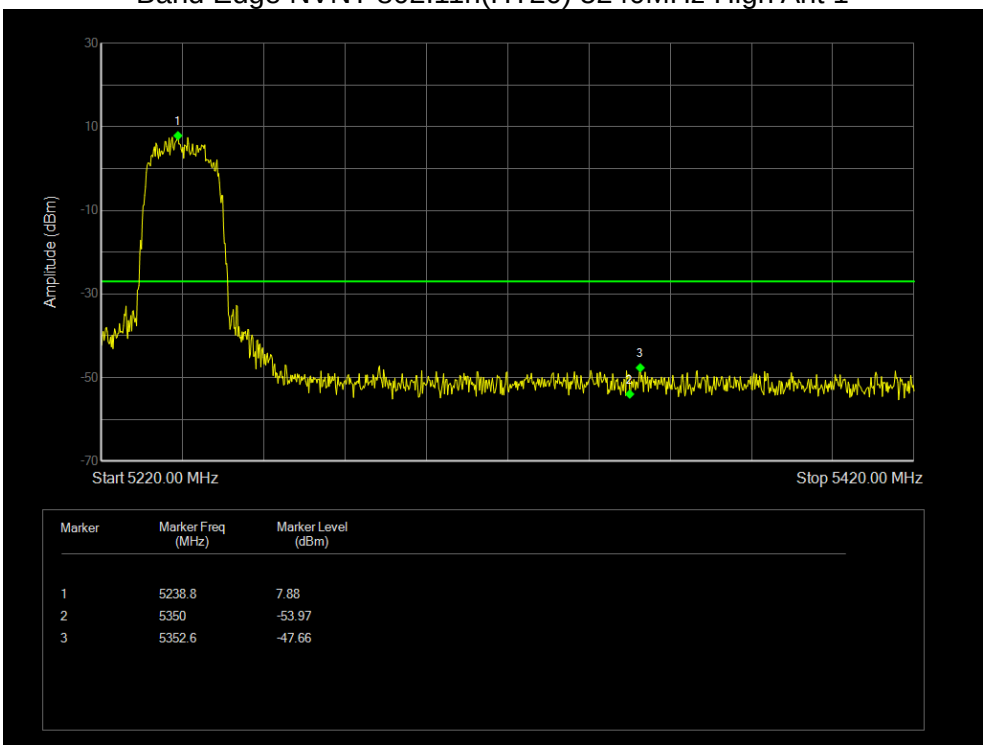
Band Edge NVNT 802.11ac80 5210MHz Low Ant 2



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

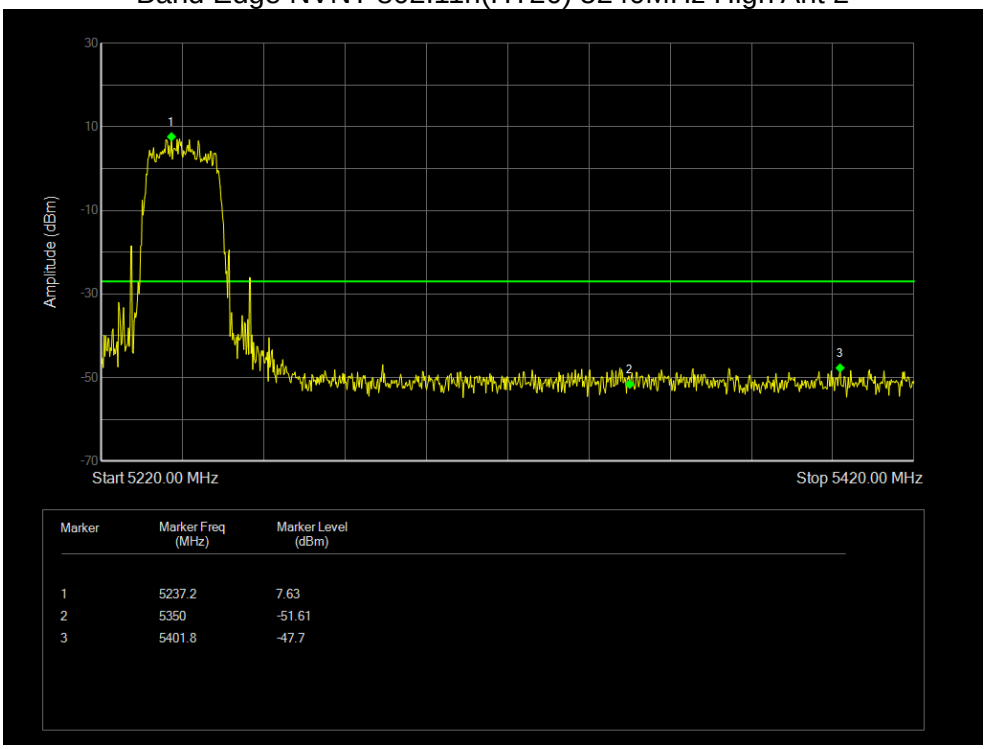


Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 1

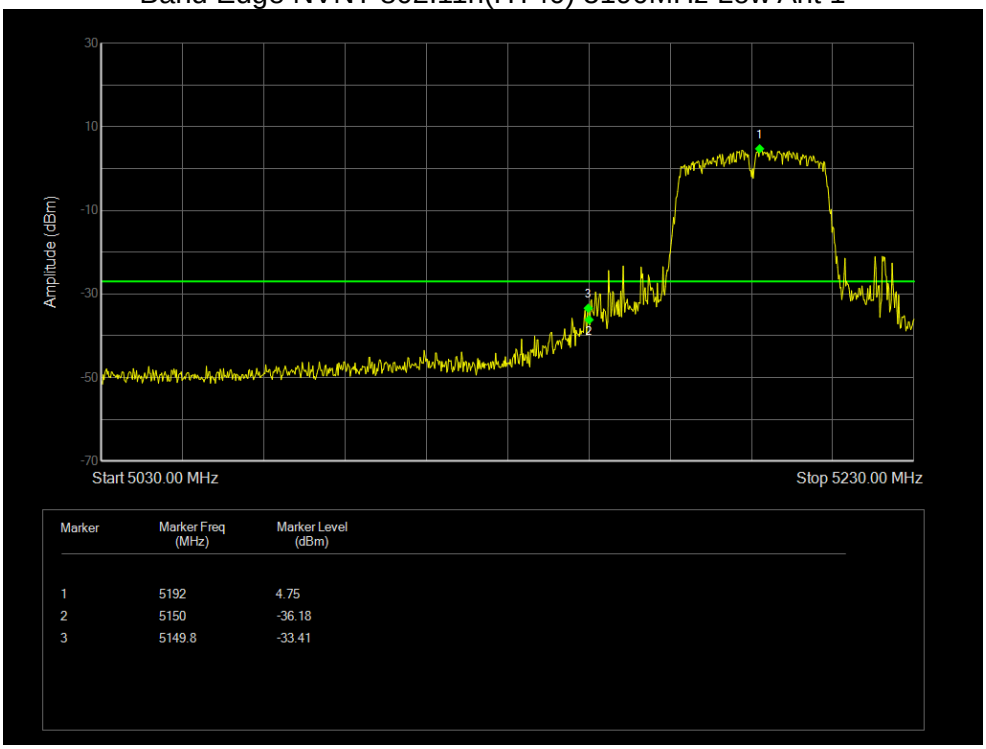


Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 2

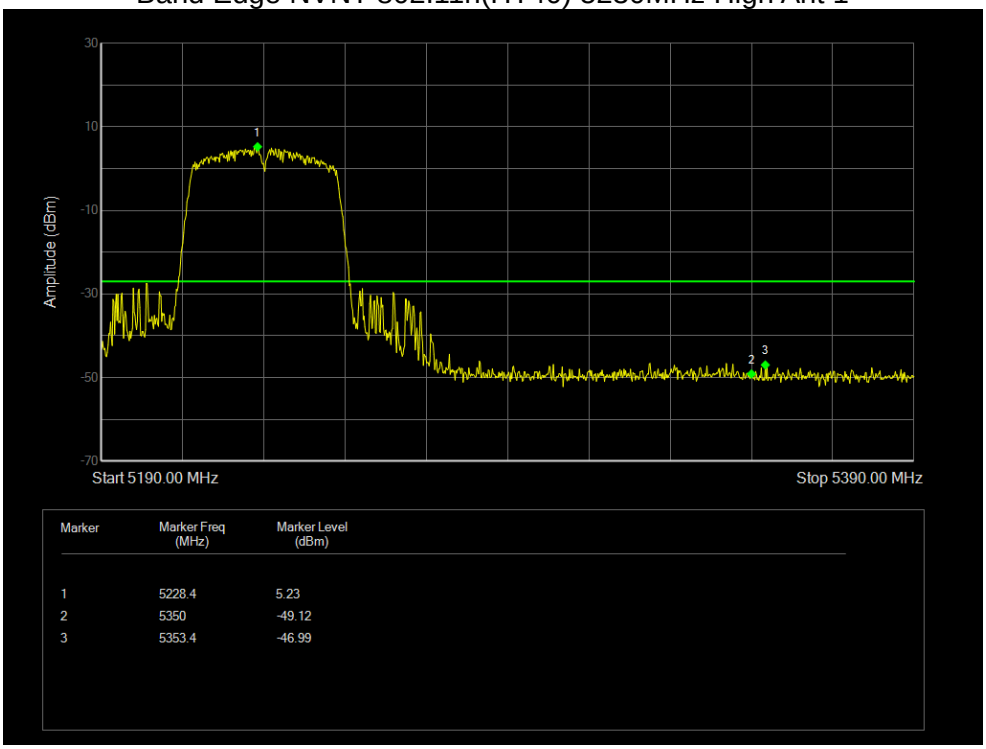
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 2



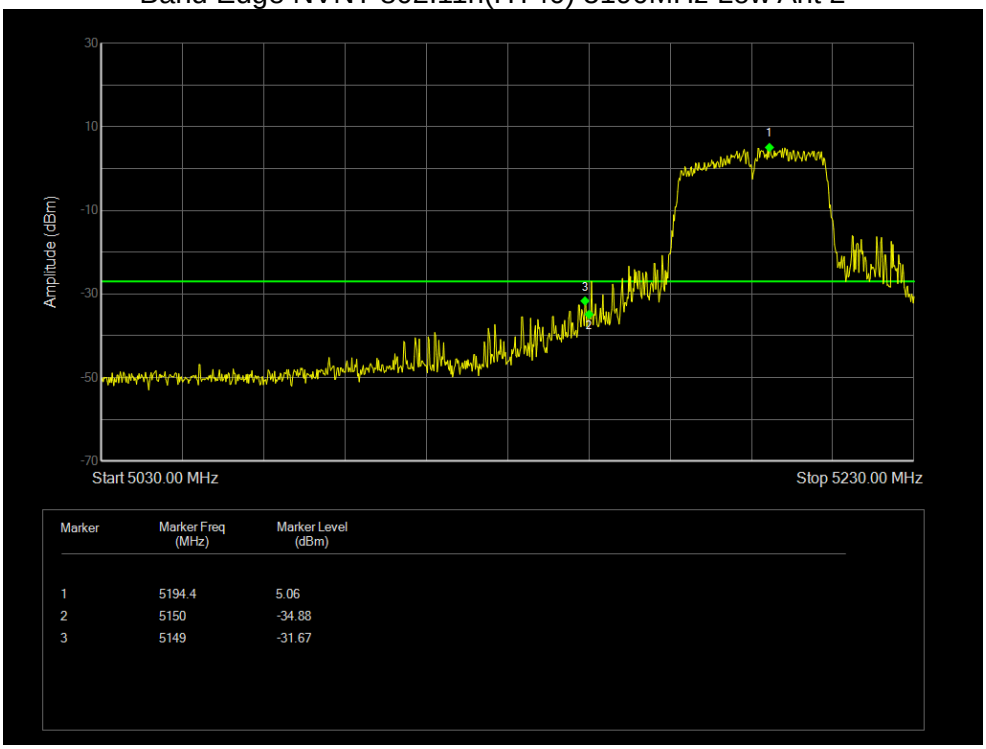
Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 1



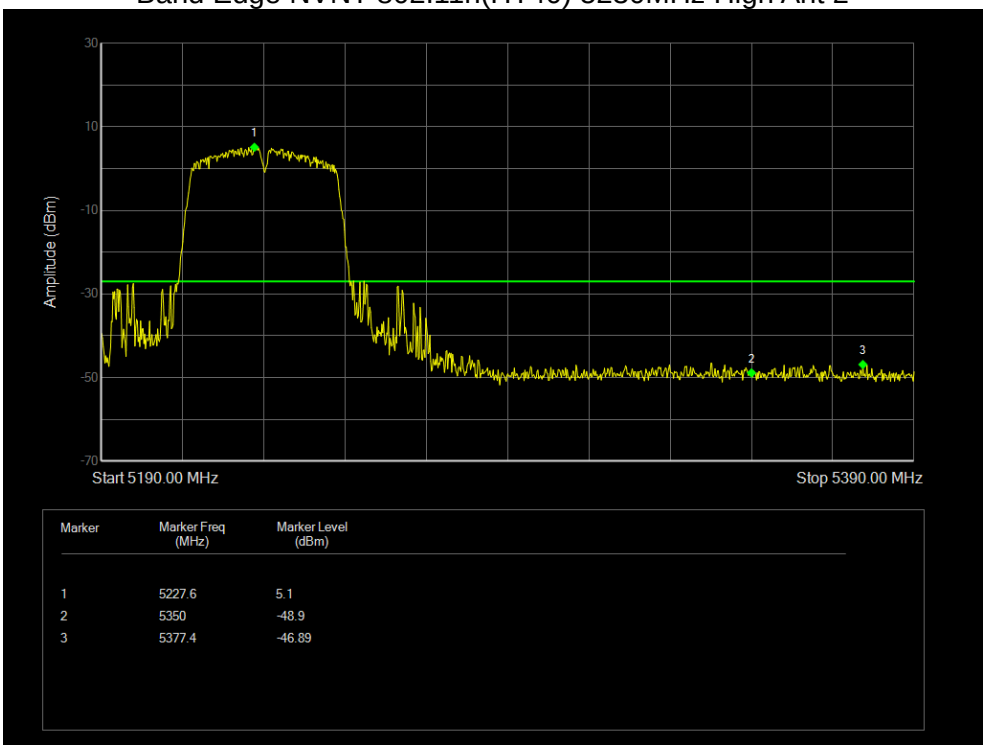
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant 1



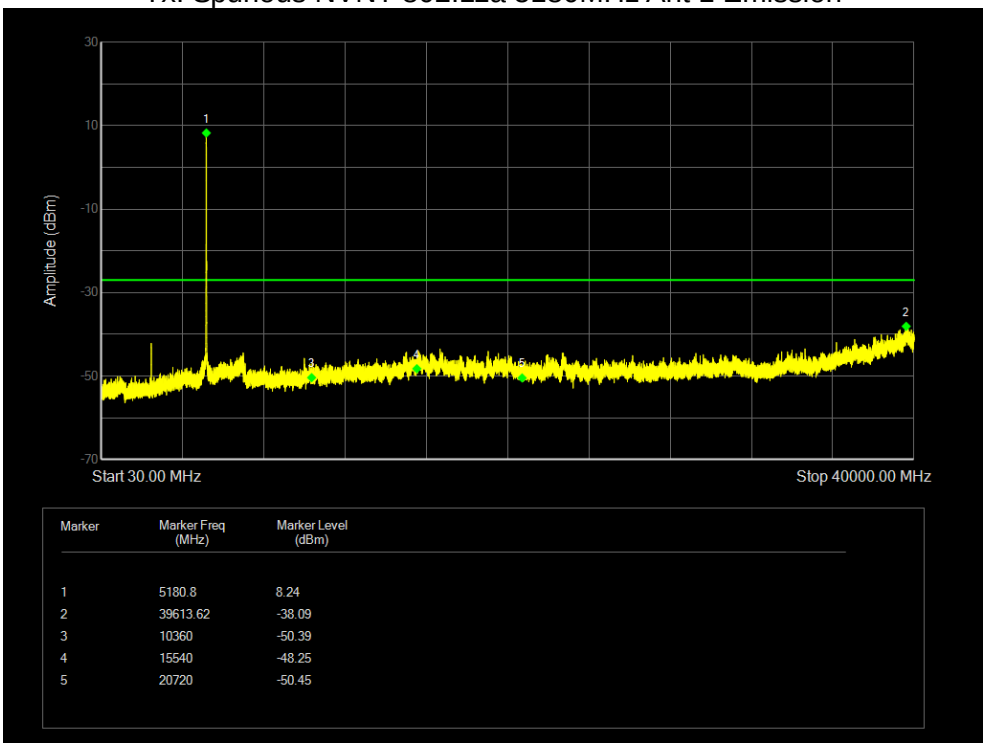
Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 2



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



11.6 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-38.09	-27	Pass
NVNT	802.11a	5200	Ant 1	-38.31	-27	Pass
NVNT	802.11a	5240	Ant 1	-38.68	-27	Pass
NVNT	802.11a	5180	Ant 2	-37.89	-27	Pass
NVNT	802.11a	5200	Ant 2	-38.29	-27	Pass
NVNT	802.11a	5240	Ant 2	-37.85	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-38.01	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-37.99	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-36.58	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-37.02	-27	Pass
NVNT	802.11ac20	5200	Ant 2	-37.94	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-37.97	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-37.14	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-38.05	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-38.38	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-36.96	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-38.55	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-38.44	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-37.27	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-38.26	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-37.99	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-38.3	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 2	-38.66	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-38.66	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-37.93	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-38.91	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-37.95	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-38.21	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant 1 Emission