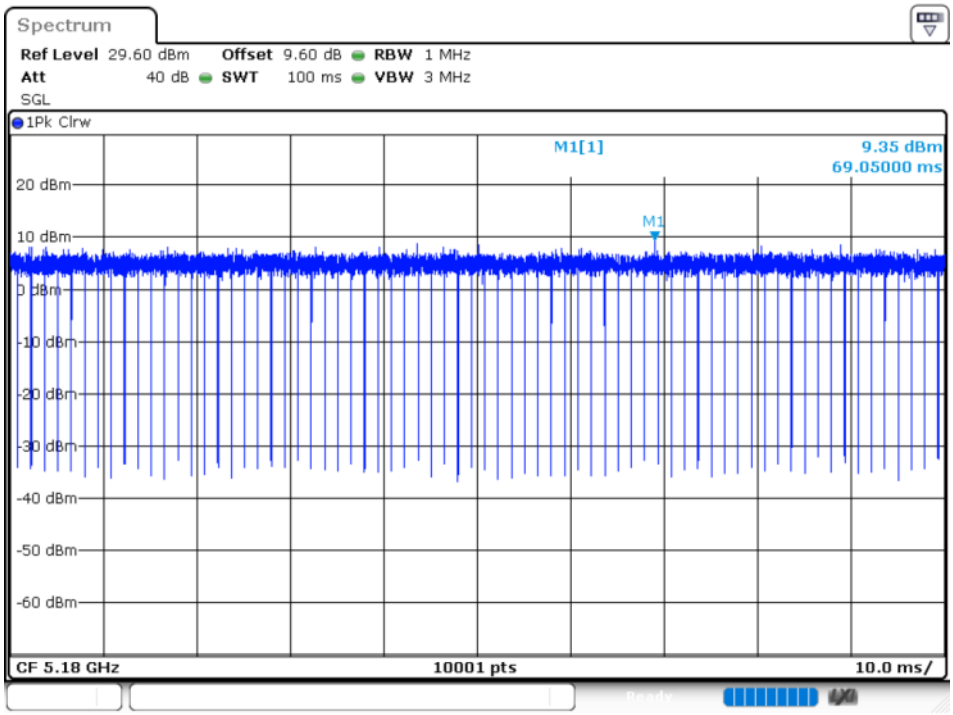
5.2G

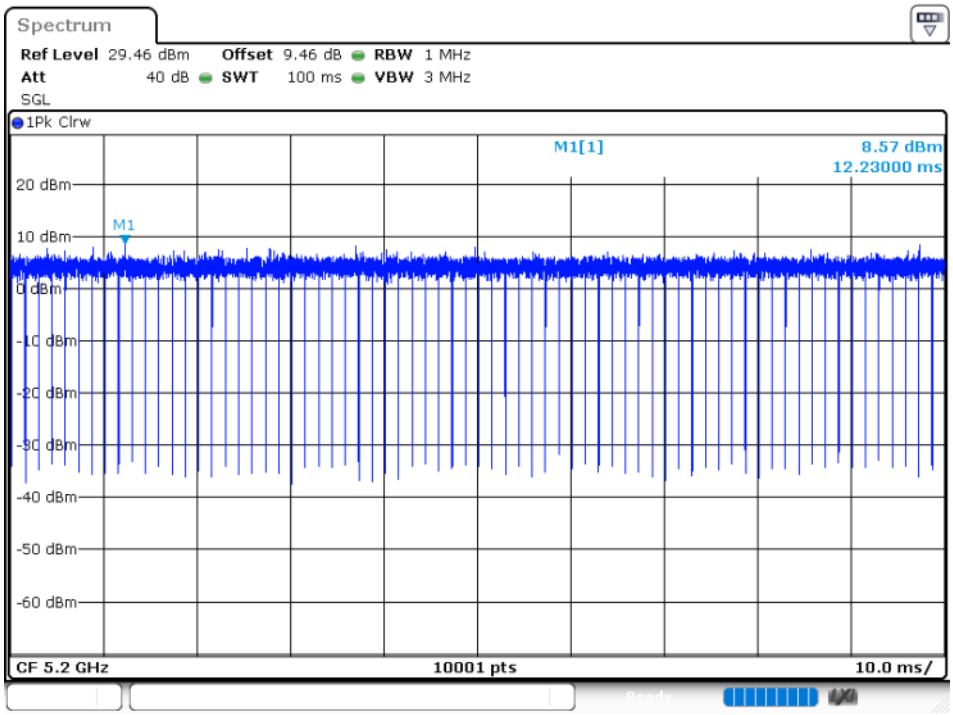
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5180	100
NVNT	802.11a	5200	100
NVNT	802.11a	5240	100
NVNT	802.11n(HT20)	5180	100
NVNT	802.11n(HT20)	5200	100
NVNT	802.11n(HT20)	5240	100
NVNT	802.11n(HT40)	5190	100
NVNT	802.11n(HT40)	5230	100

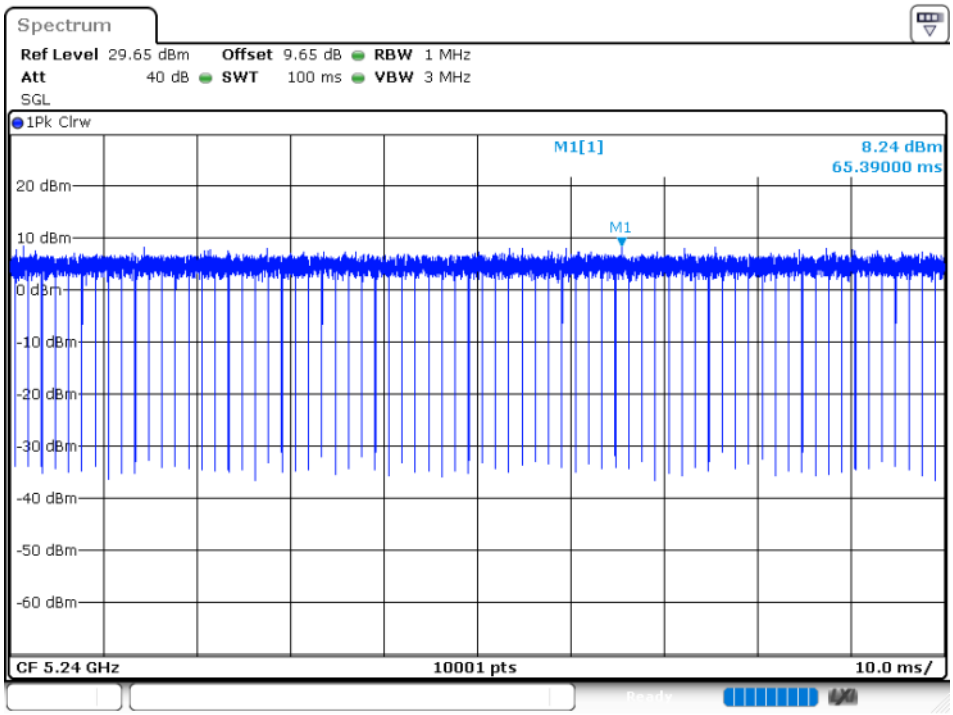
Duty Cycle NVNT 802.11a 5180MHz



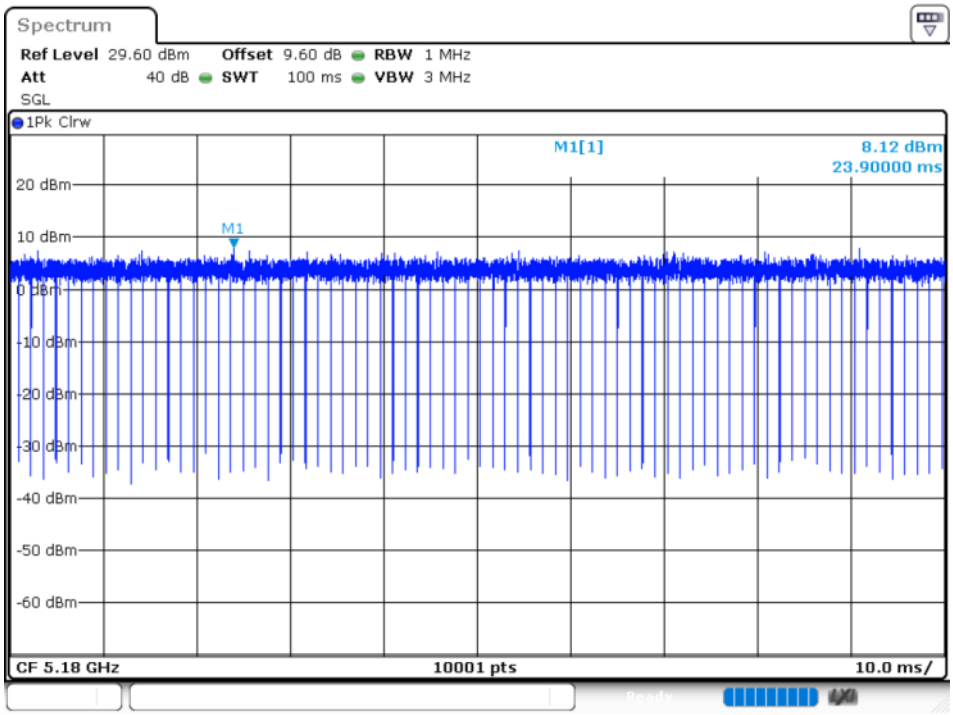
Duty Cycle NVNT 802.11a 5200MHz



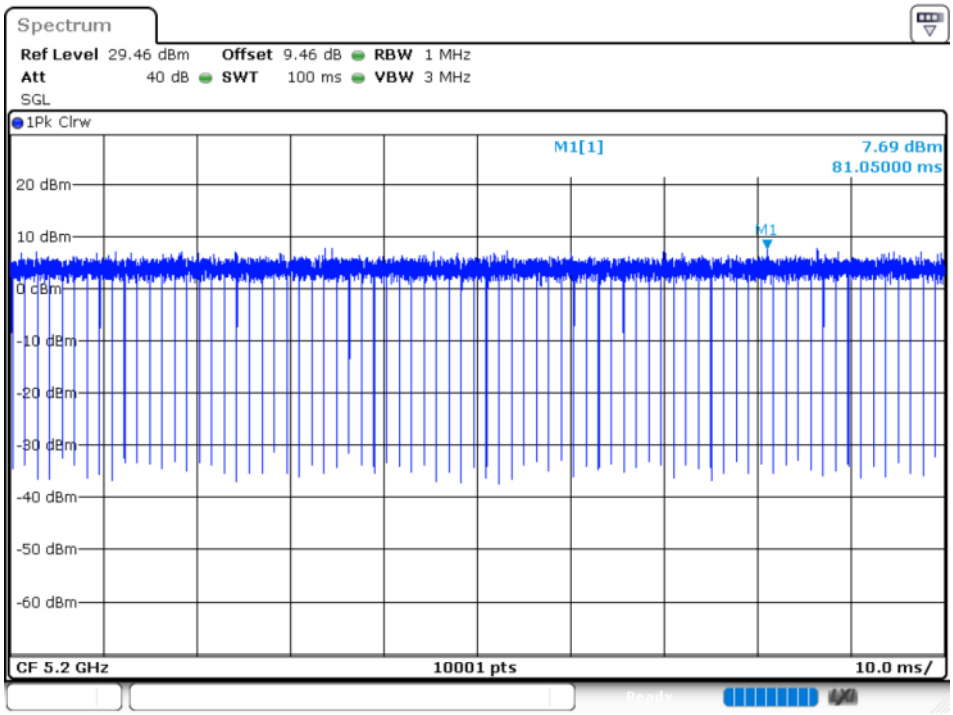
Duty Cycle NVNT 802.11a 5240MHz



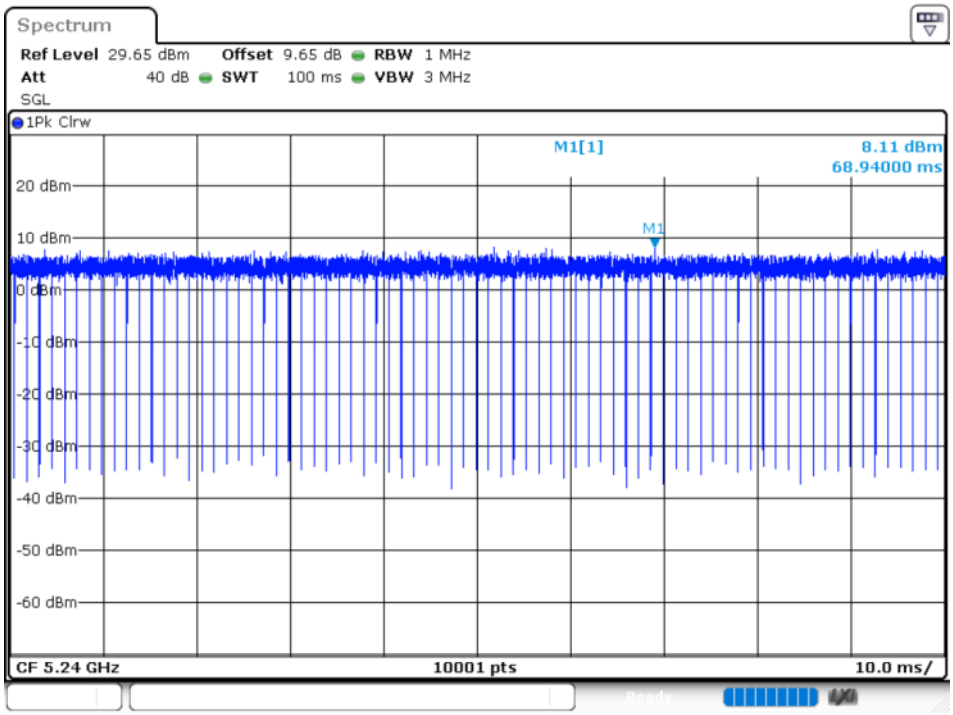
Duty Cycle NVNT 802.11n(HT20) 5180MHz



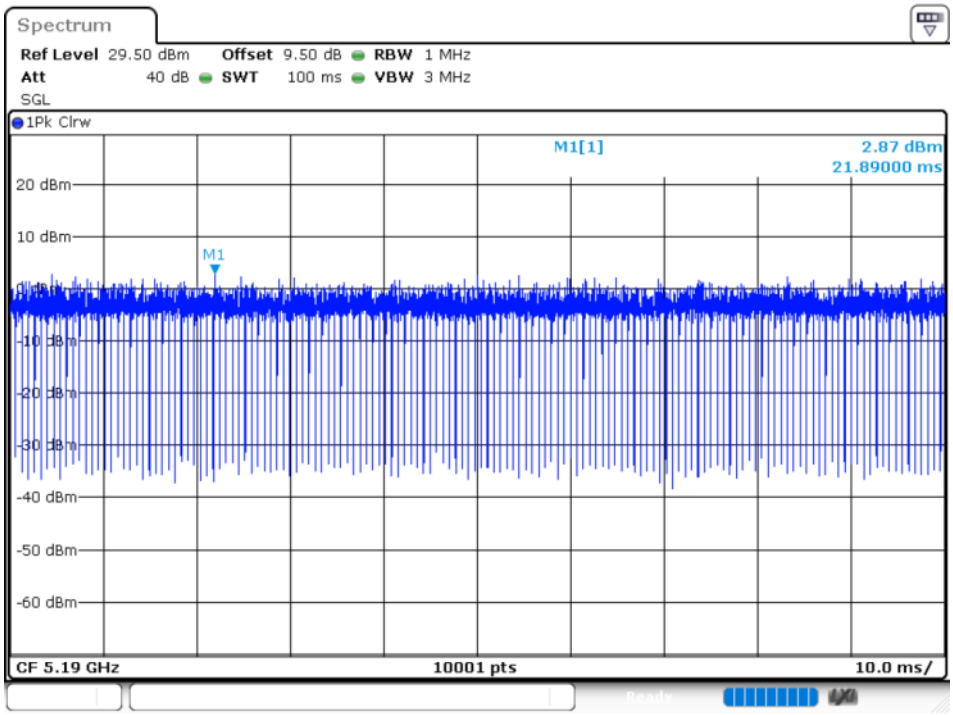
Duty Cycle NVNT 802.11n(HT20) 5200MHz



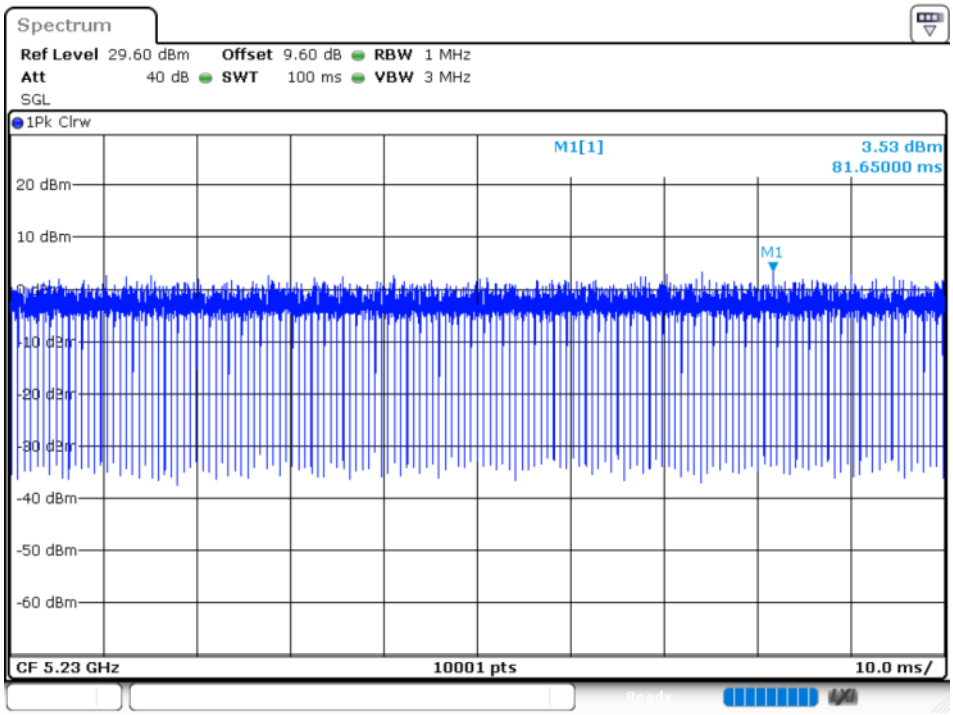
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



Duty Cycle NVNT 802.11n(HT40) 5230MHz



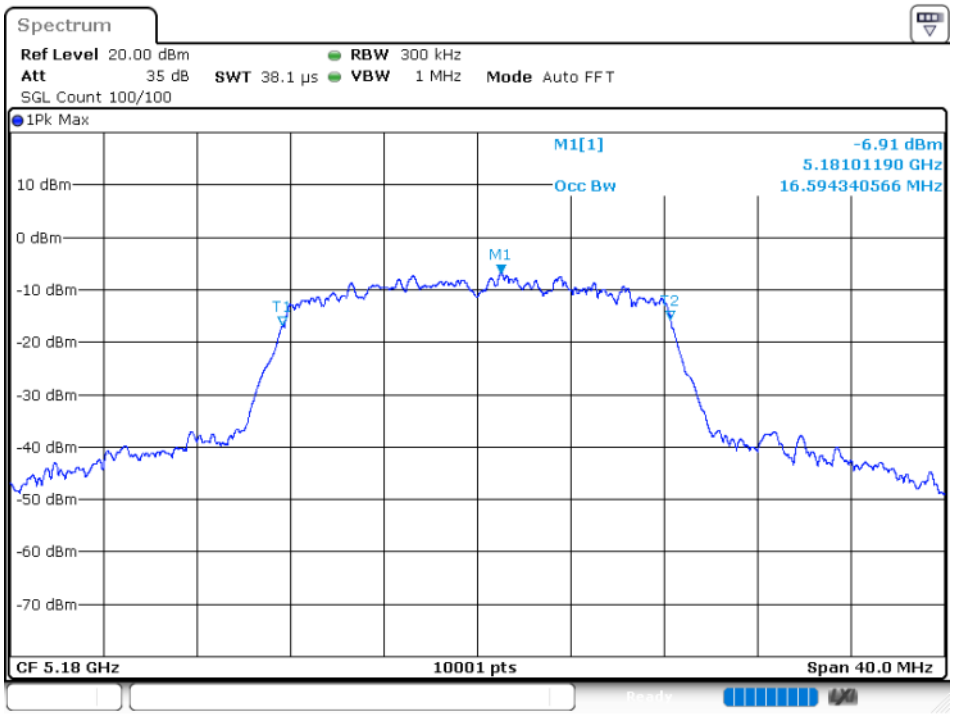
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	9.26	24	Pass
NVNT	802.11a	5200	Ant 1	9.75	24	Pass
NVNT	802.11a	5240	Ant 1	9.86	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	9.33	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	9.74	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	9.98	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	8.46	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	8.86	24	Pass

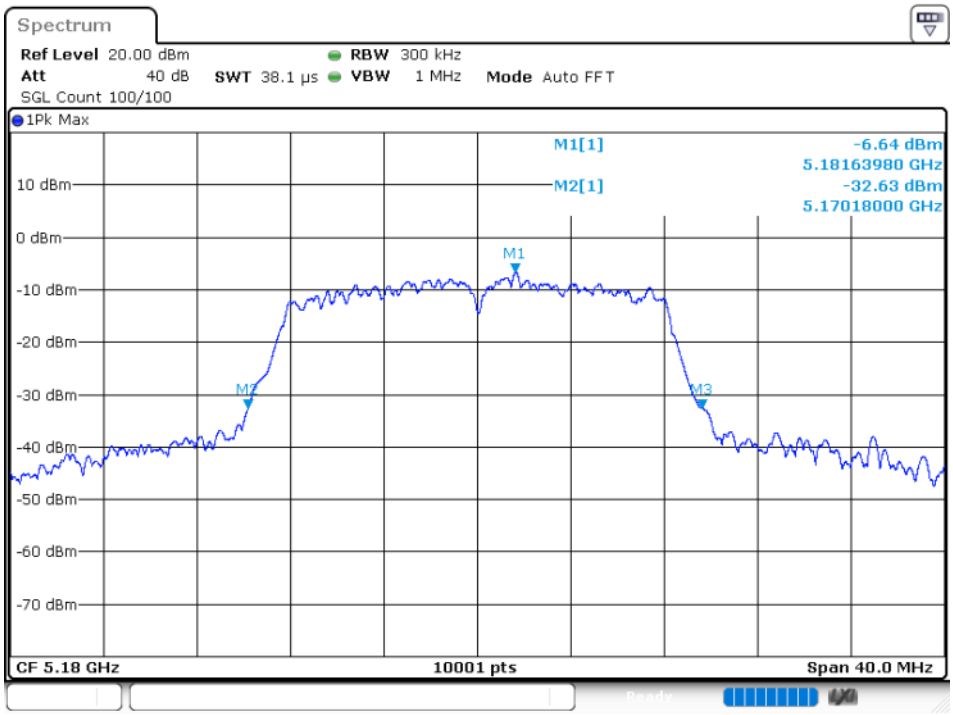
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.5943	19.456	N/A	Pass
NVNT	802.11a	5200	Ant 1	16.6943	19.712	N/A	Pass
NVNT	802.11a	5240	Ant 1	16.8023	19.512	N/A	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.6462	19.876	N/A	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.6942	19.772	N/A	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.8342	19.856	N/A	Pass
NVNT	802.11n(HT40)	5190	Ant 1	36.1484	53.072	N/A	Pass
NVNT	802.11n(HT40)	5230	Ant 1	35.9484	40.592	N/A	Pass

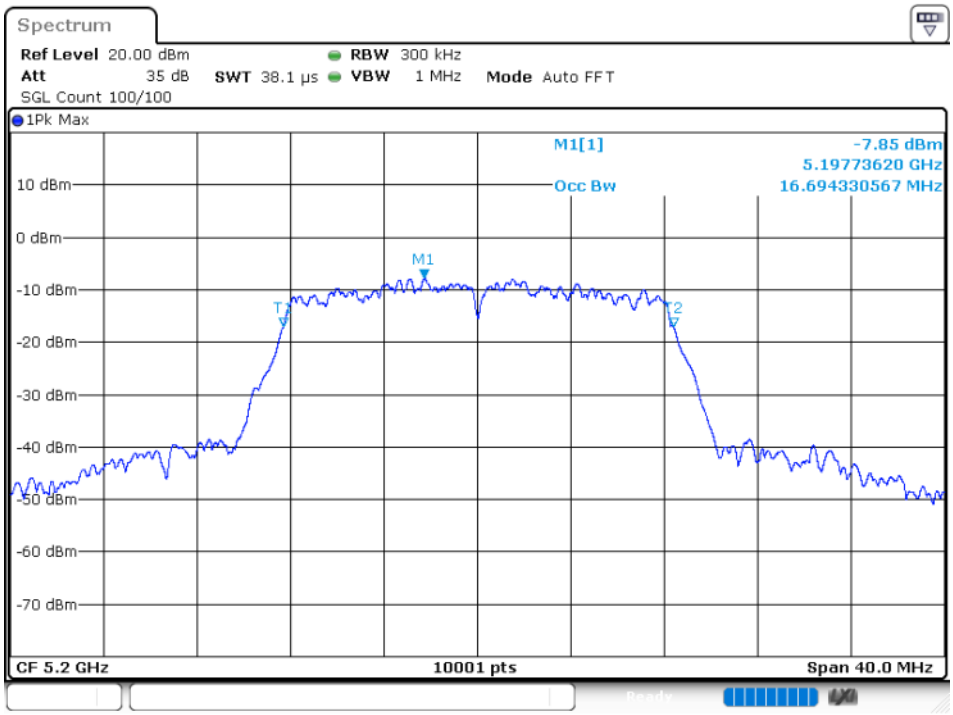
OBW NVNT 802.11a 5180MHz Ant1



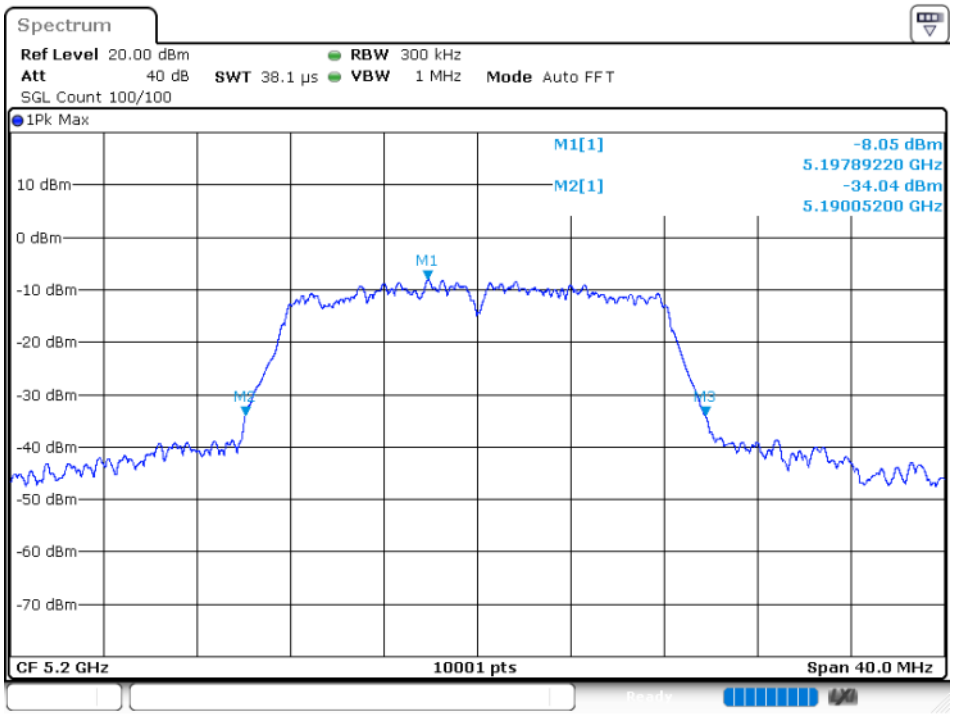
-26 dB BW NVNT 802.11a 5180MHz Ant1



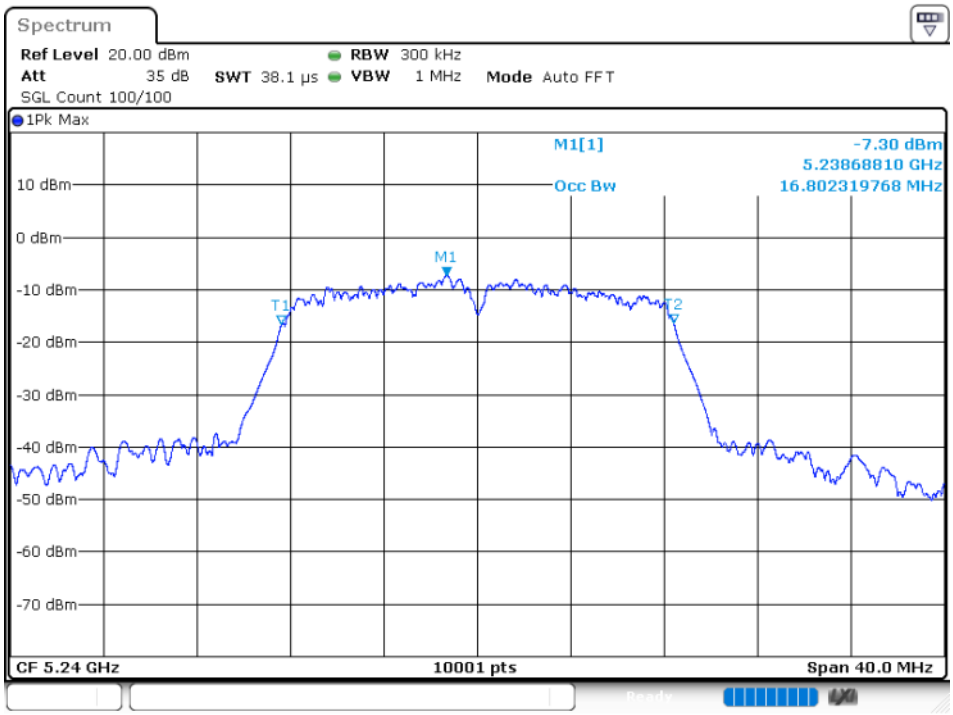
OBW NVNT 802.11a 5200MHz Ant1



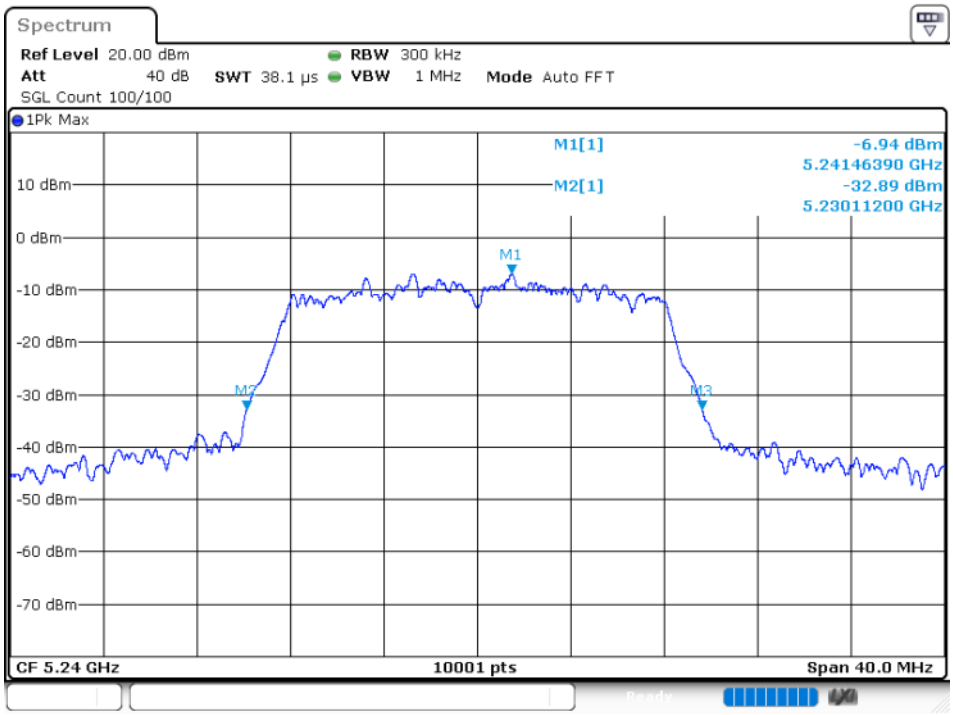
-26 dB BW NVNT 802.11a 5200MHz Ant1



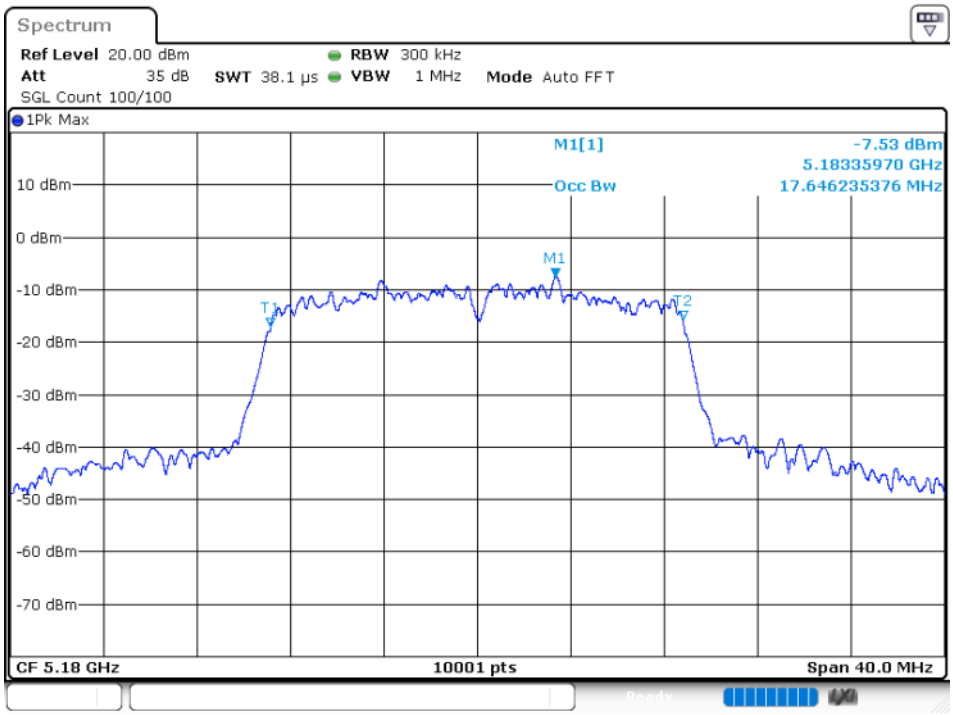
OBW NVNT 802.11a 5240MHz Ant1



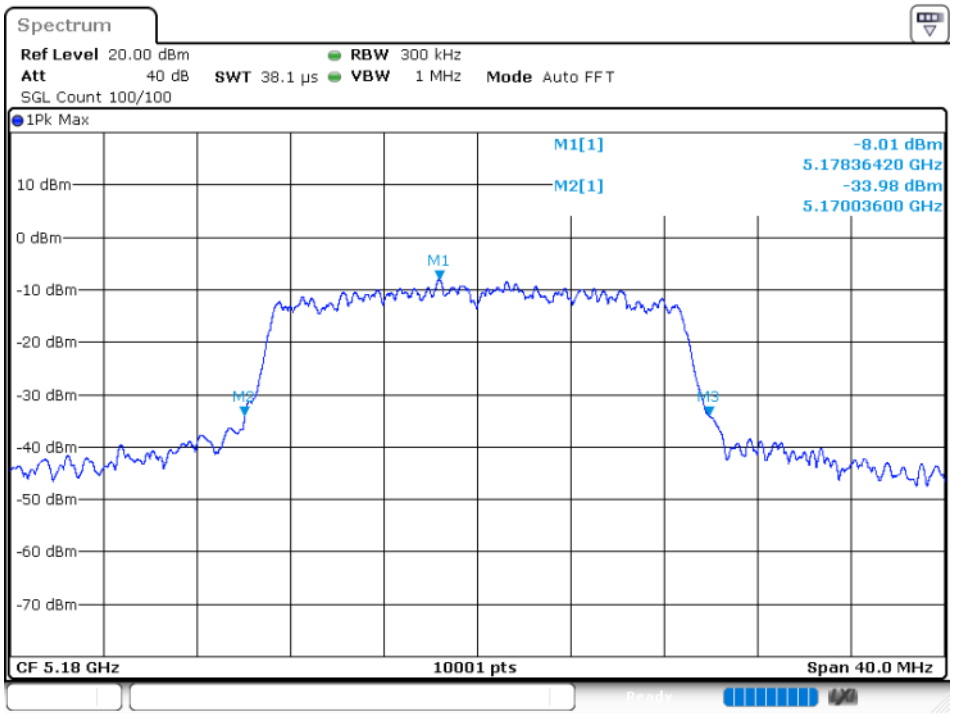
-26 dB BW NVNT 802.11a 5240MHz Ant1



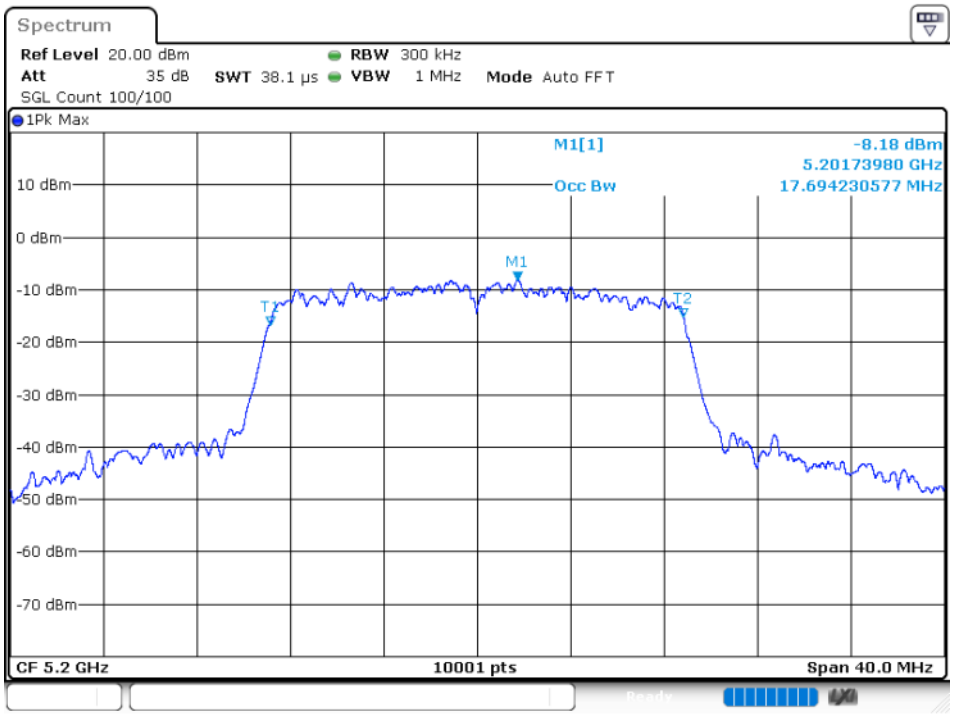
OBW NVNT 802.11n(HT20) 5180MHz Ant1



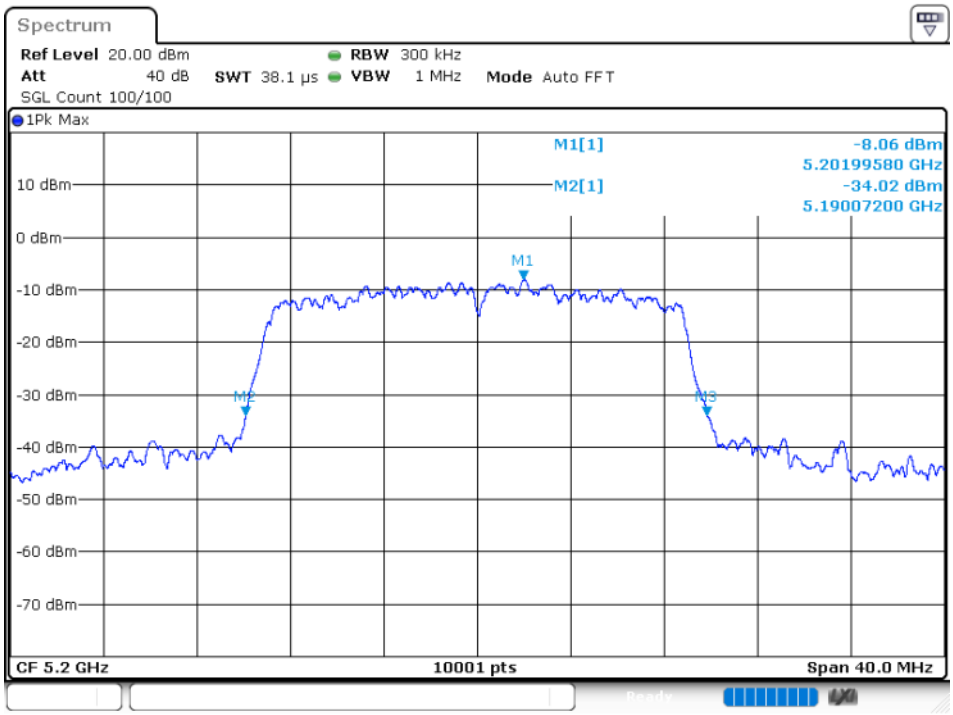
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



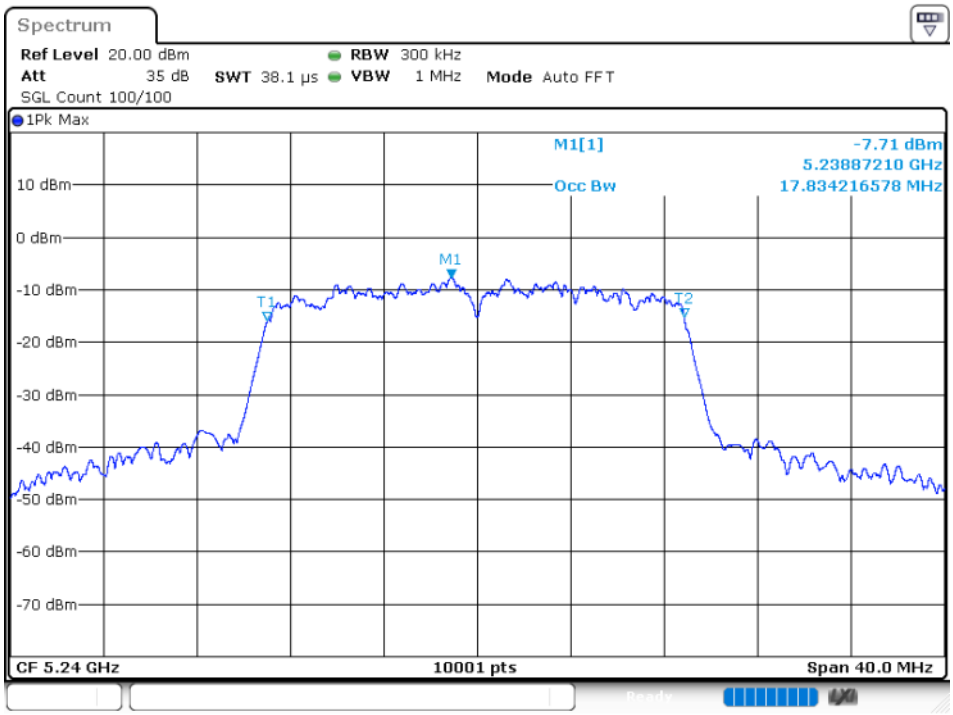
OBW NVNT 802.11n(HT20) 5200MHz Ant1



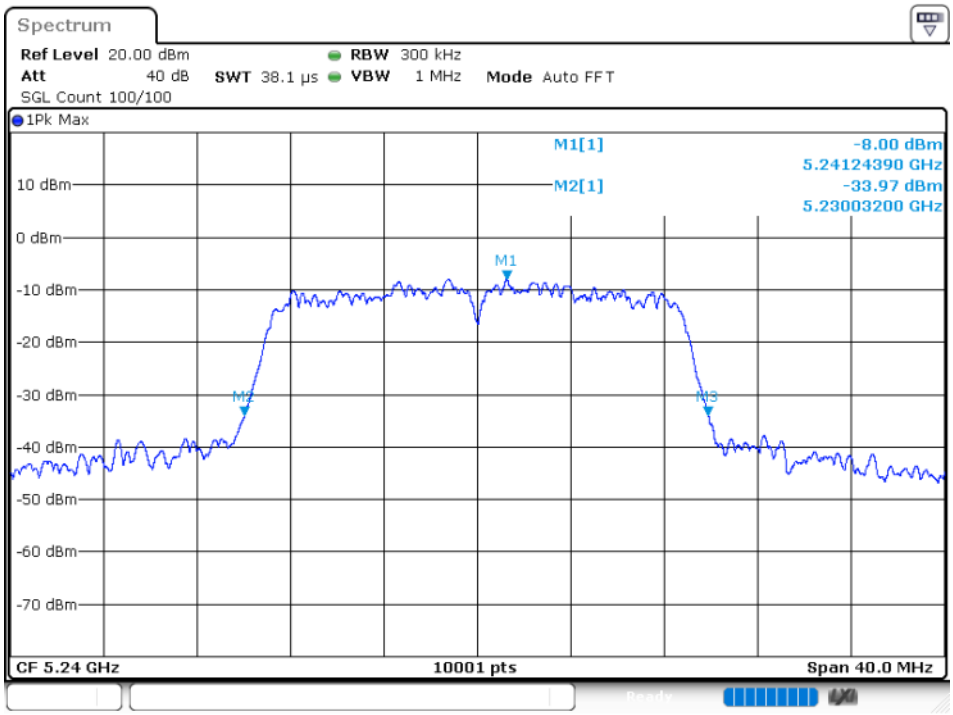
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



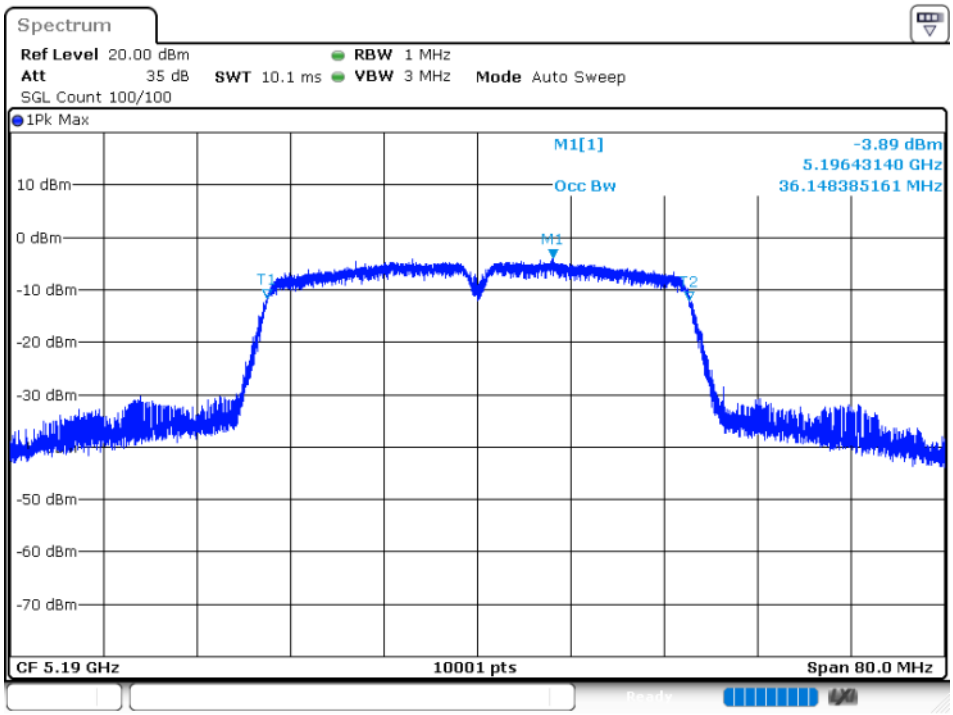
OBW NVNT 802.11n(HT20) 5240MHz Ant1



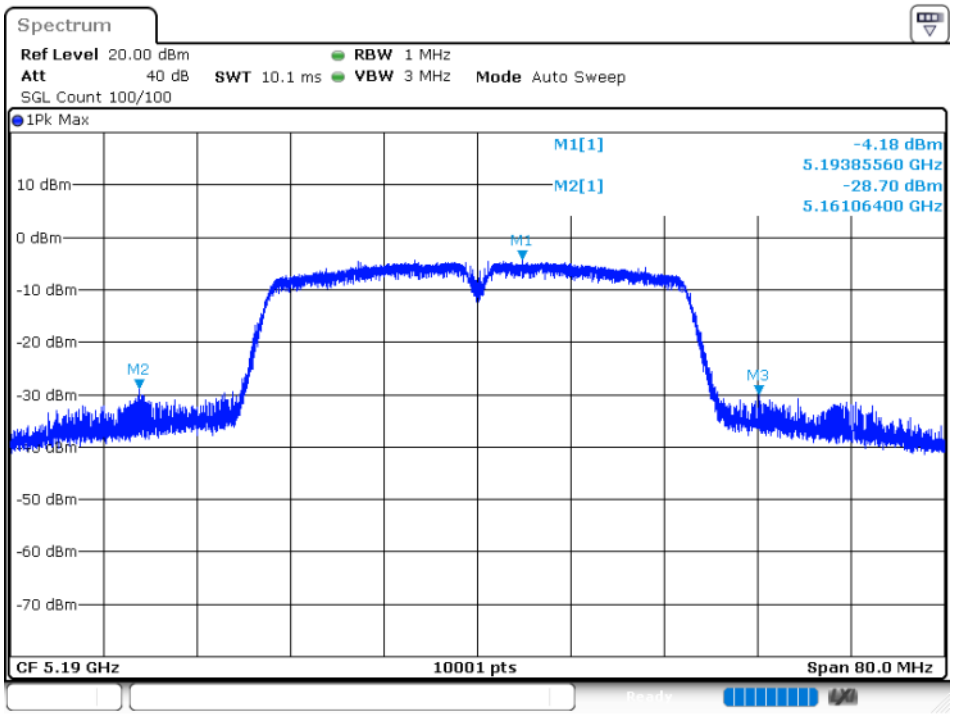
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



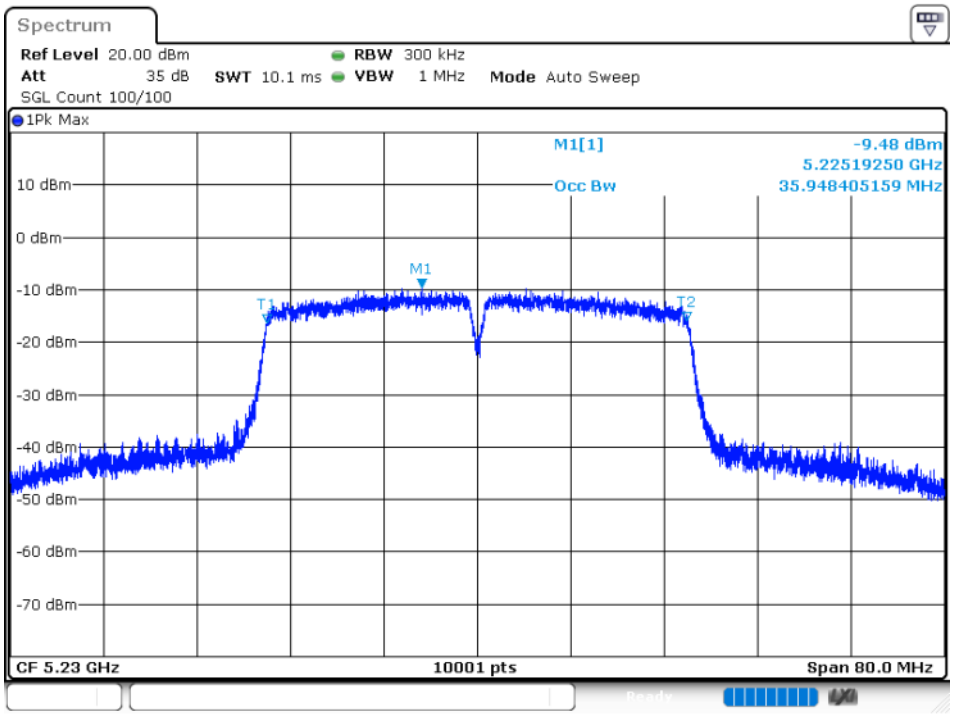
OBW NVNT 802.11n(HT40) 5190MHz Ant1



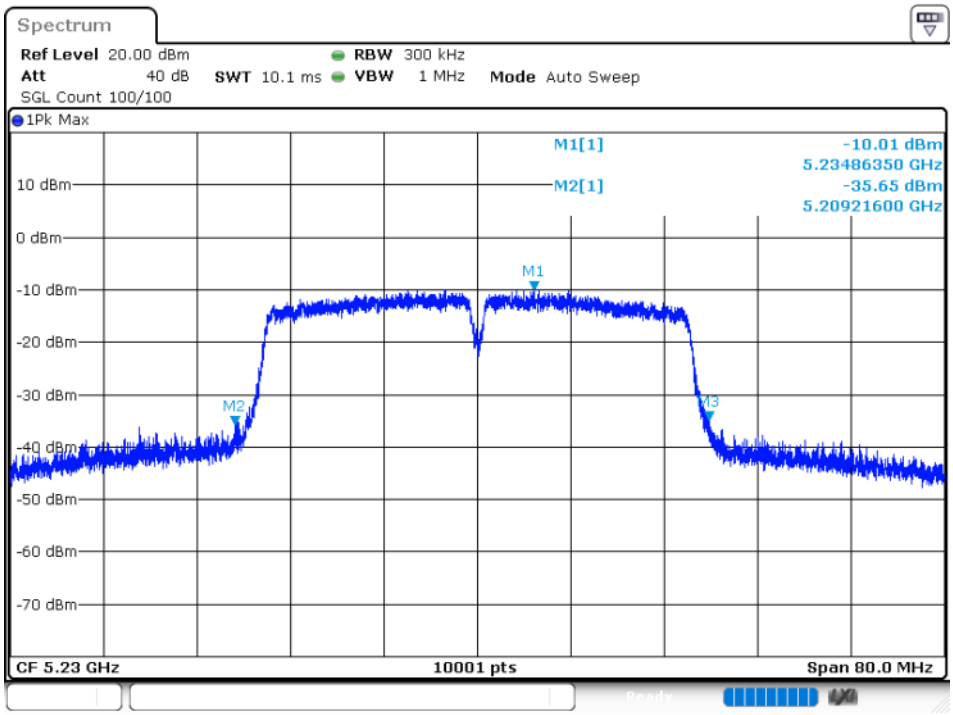
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



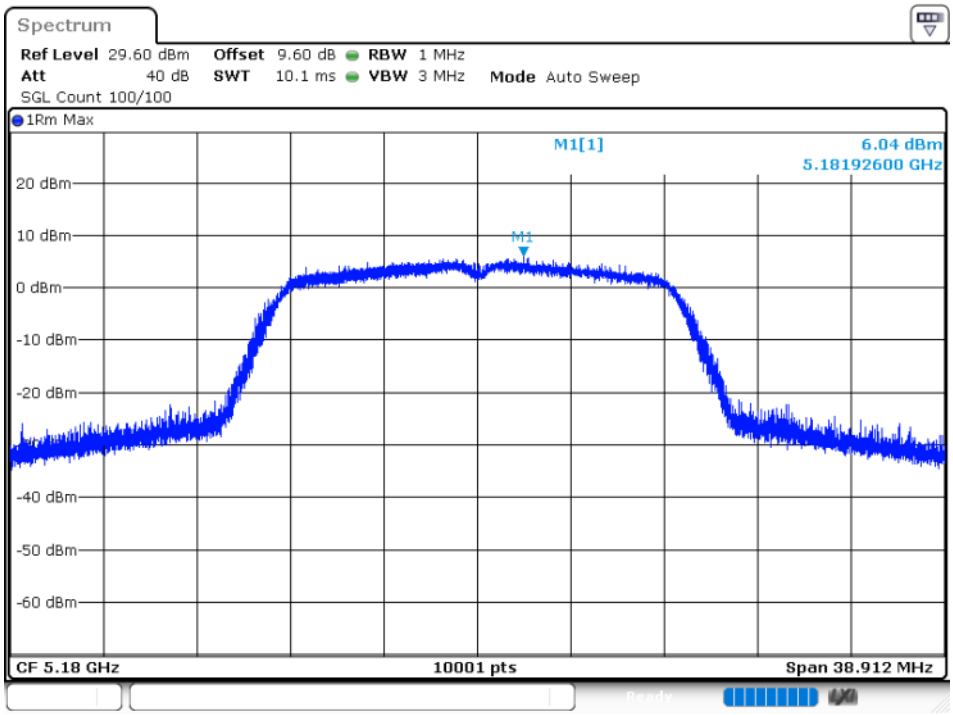
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



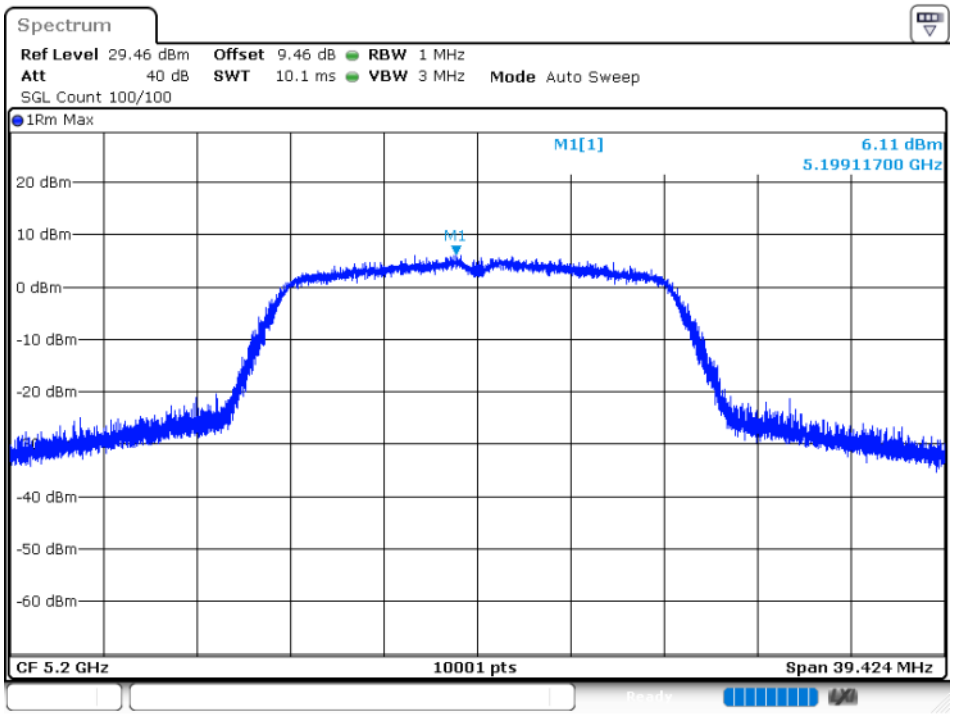
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	6.044	11	Pass
NVNT	802.11a	5200	Ant 1	6.114	11	Pass
NVNT	802.11a	5240	Ant 1	6.587	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	6.15	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	6.571	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	6.011	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	1.544	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	1.997	11	Pass

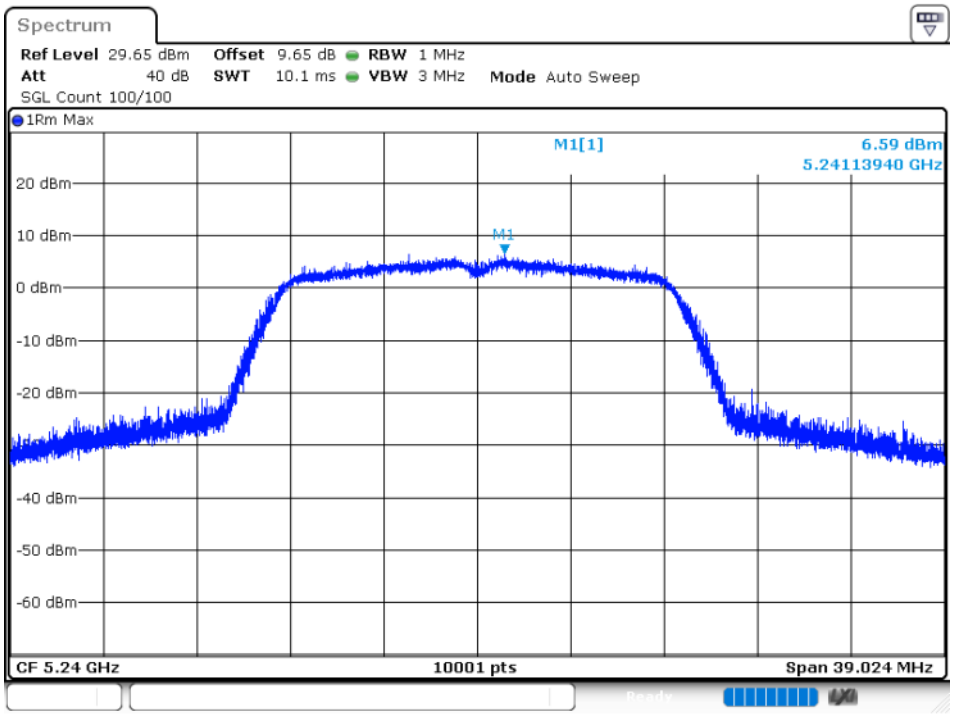
PSD NVNT 802.11a 5180MHz Ant1



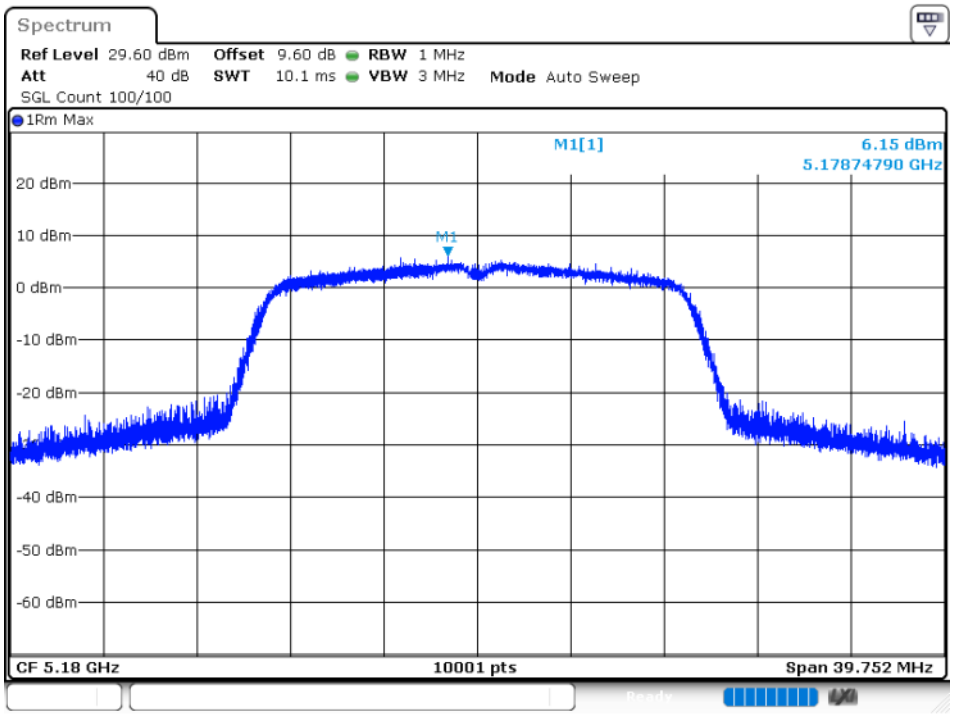
PSD NVNT 802.11a 5200MHz Ant1



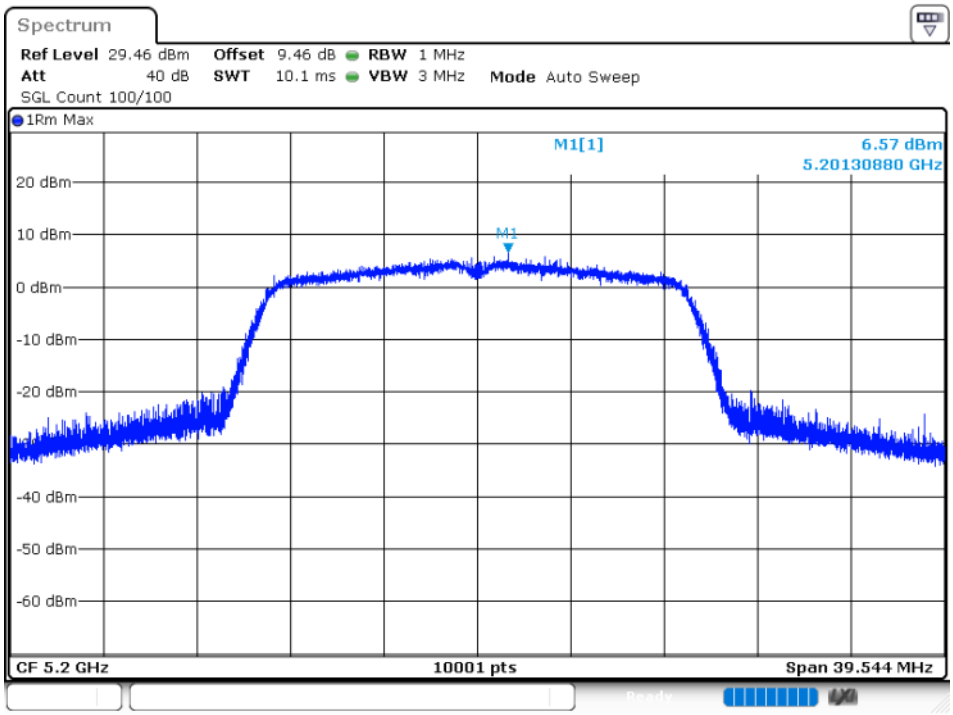
PSD NVNT 802.11a 5240MHz Ant1



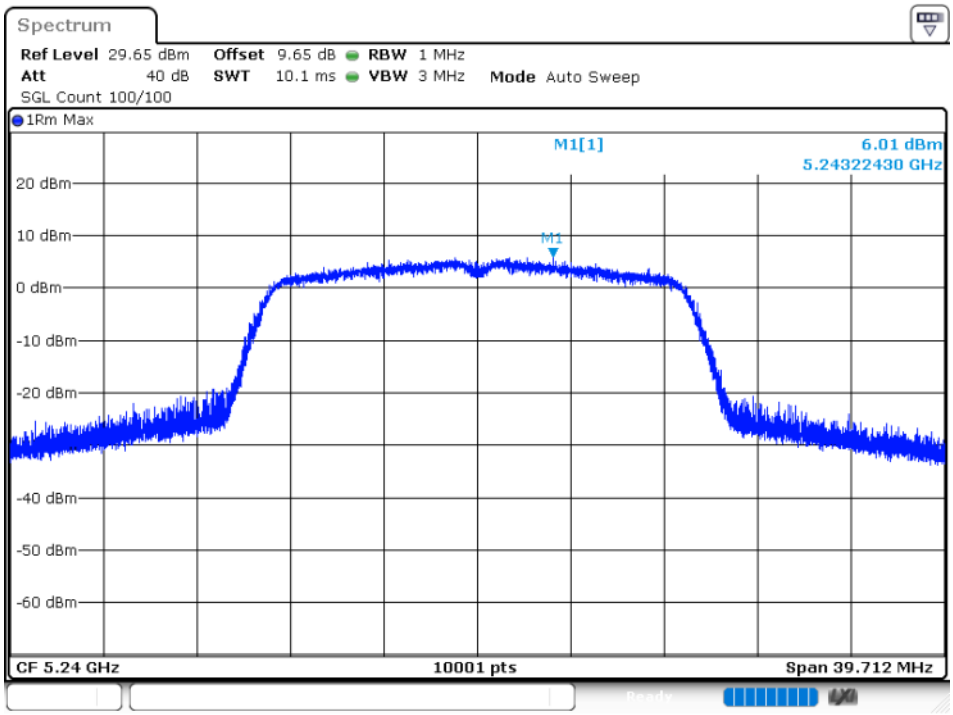
PSD NVNT 802.11n(HT20) 5180MHz Ant1



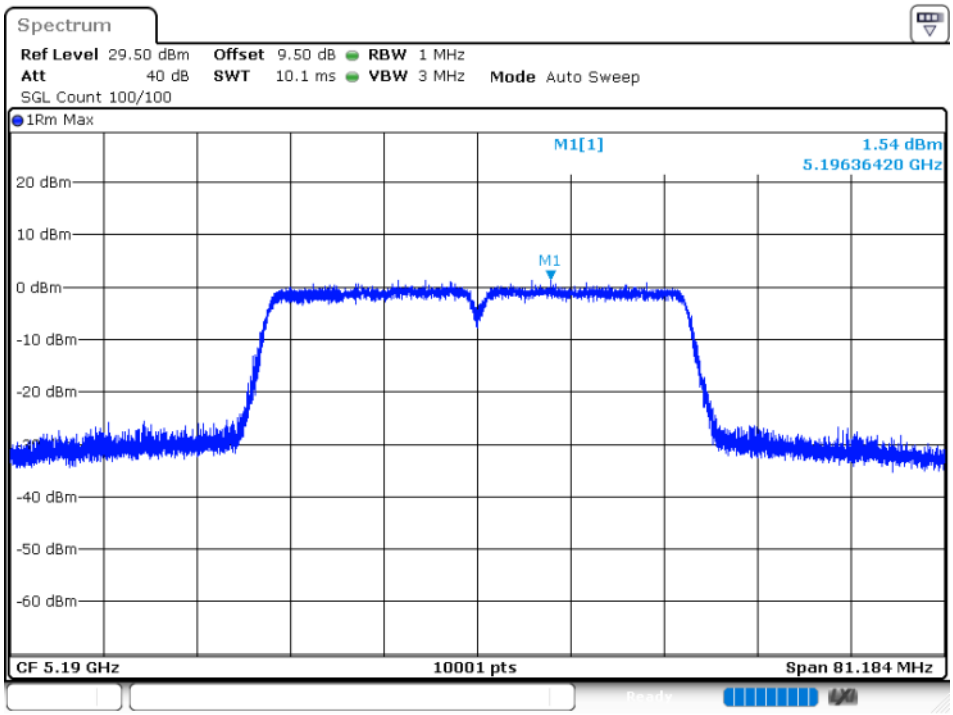
PSD NVNT 802.11n(HT20) 5200MHz Ant1



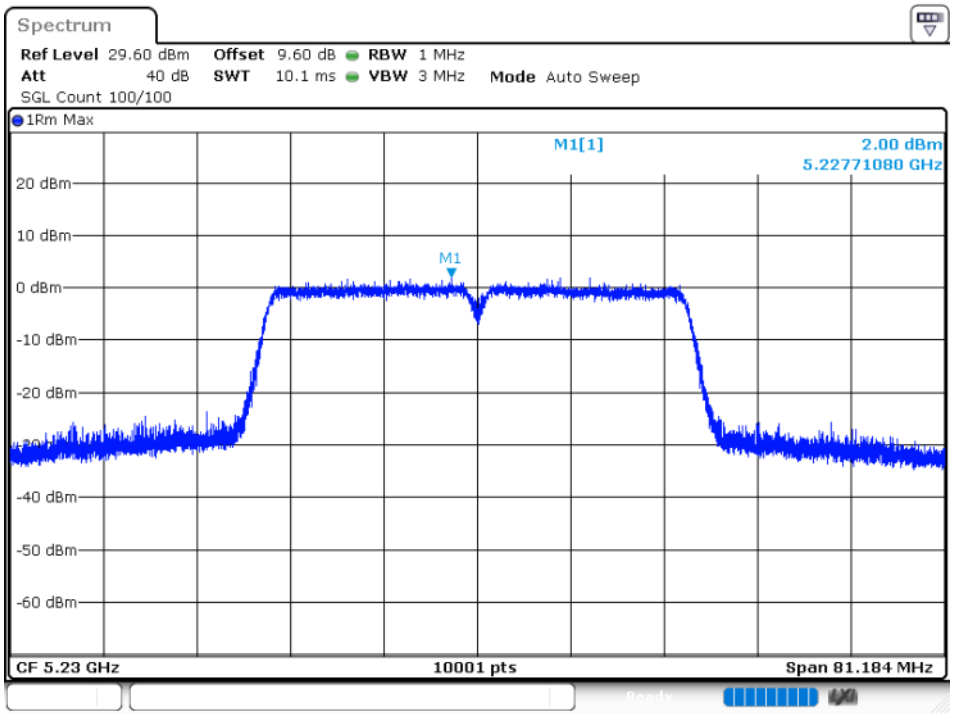
PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



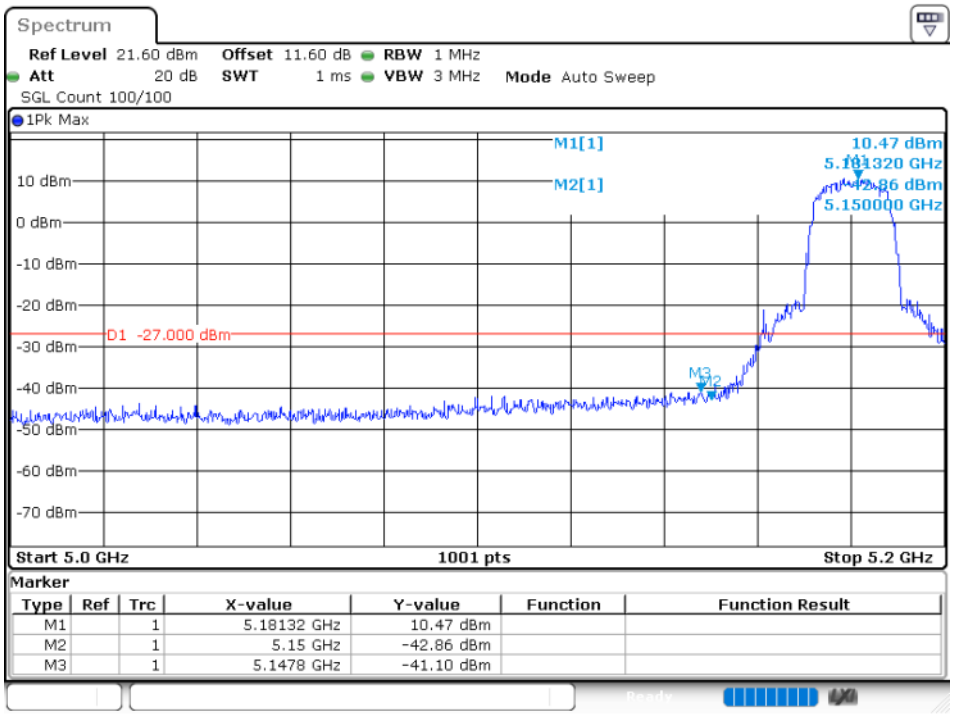
PSD NVNT 802.11n(HT40) 5230MHz Ant1



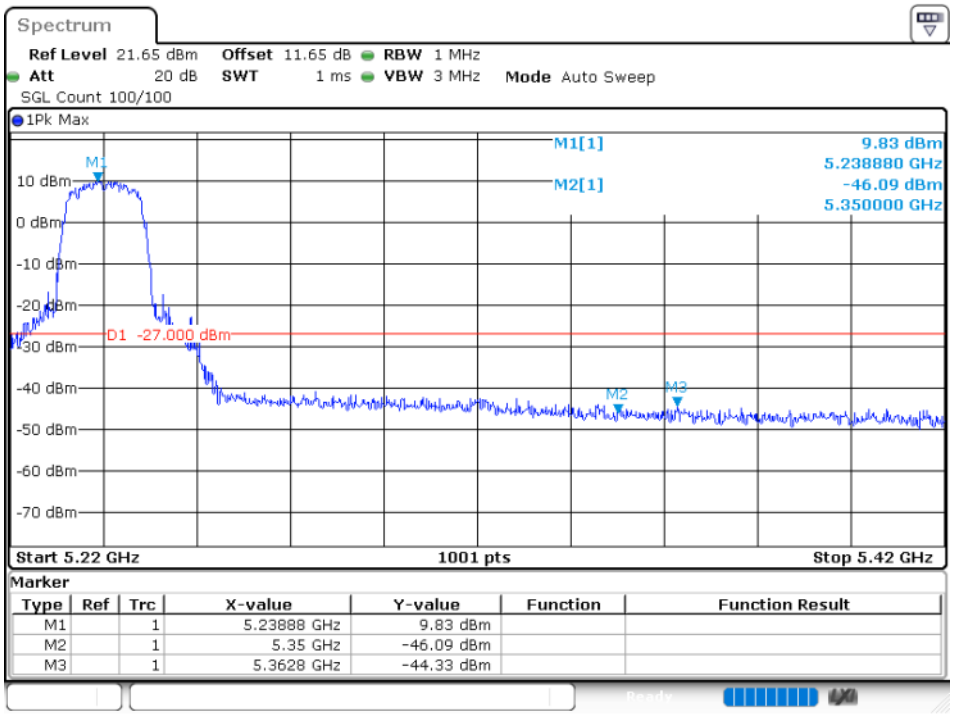
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-41.09	-27	Pass
NVNT	802.11a	5240	Ant 1	-44.33	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-41.35	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-44.73	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-29.34	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-44.14	-27	Pass

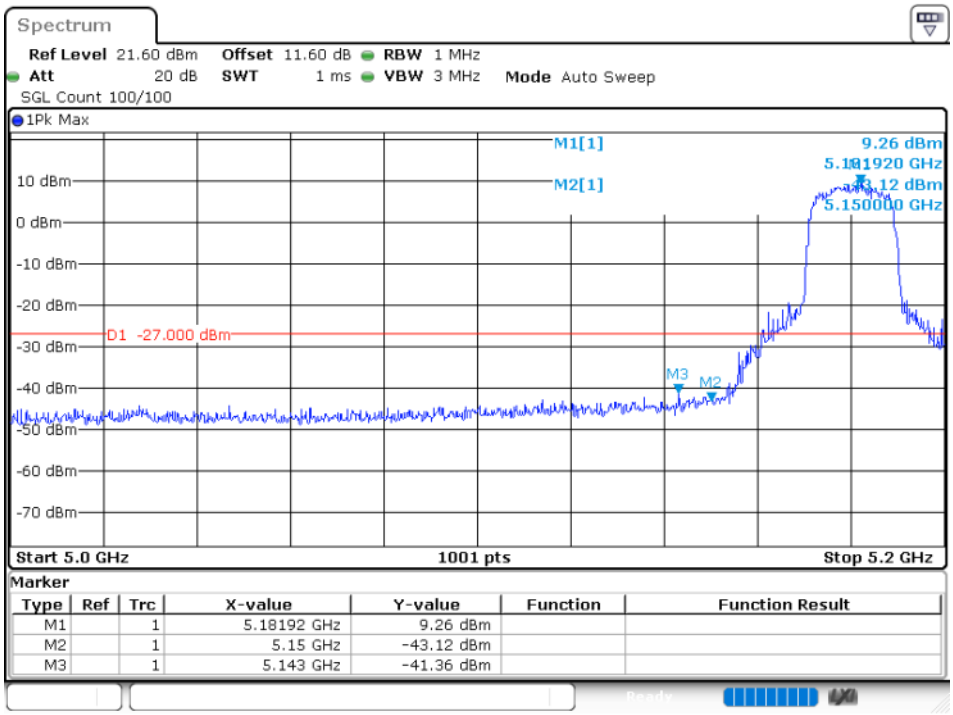
Band Edge NVNT 802.11a 5180MHz Low Ant1



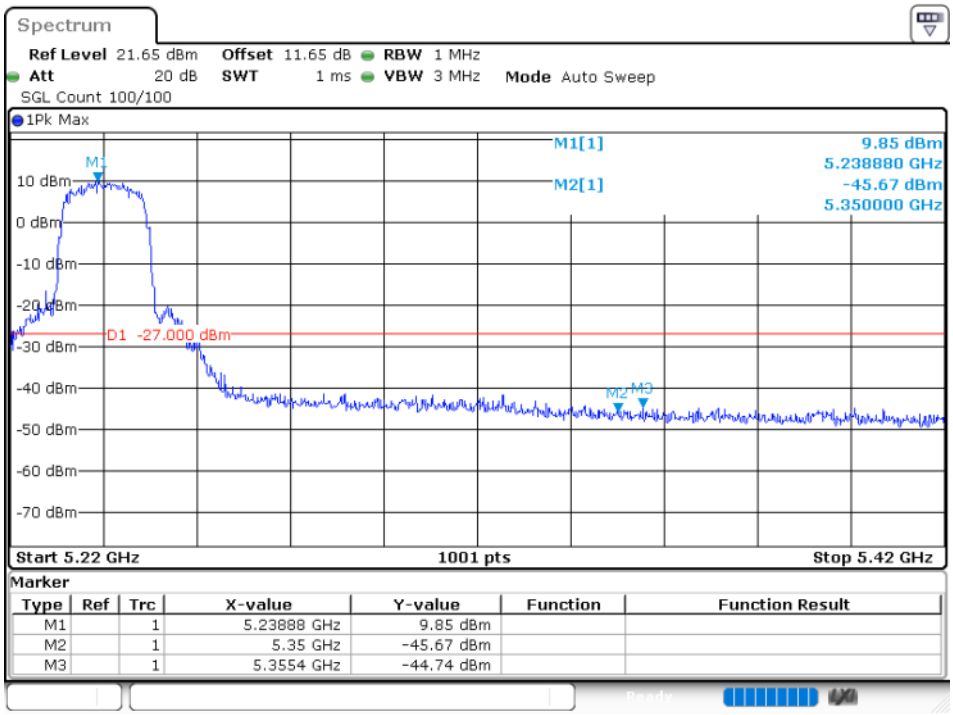
Band Edge NVNT 802.11a 5240MHz High Ant1



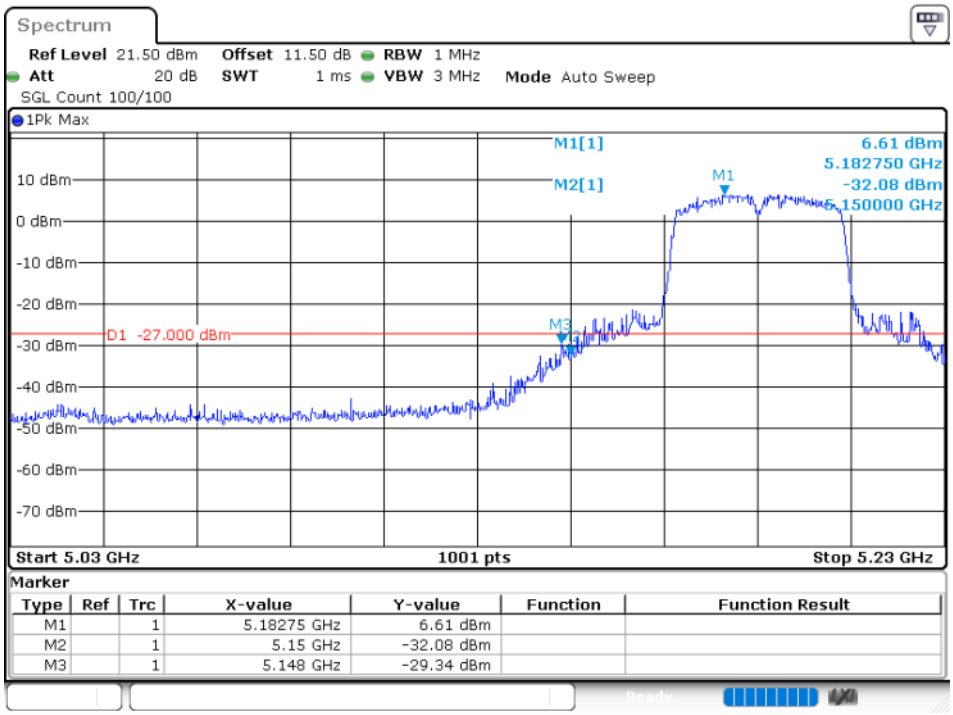
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



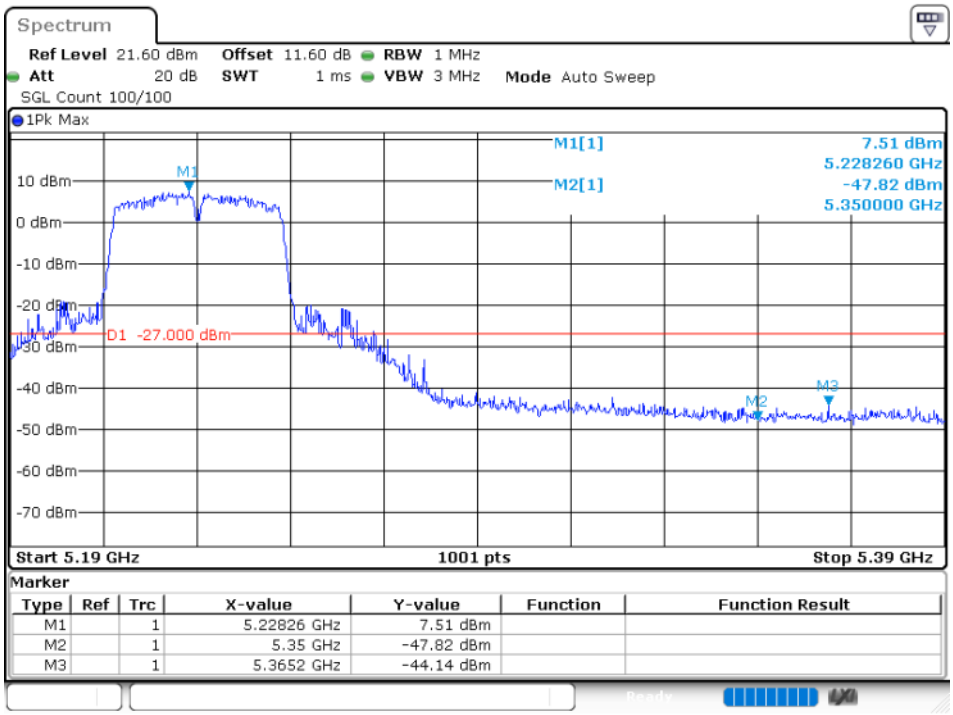
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant1



Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1



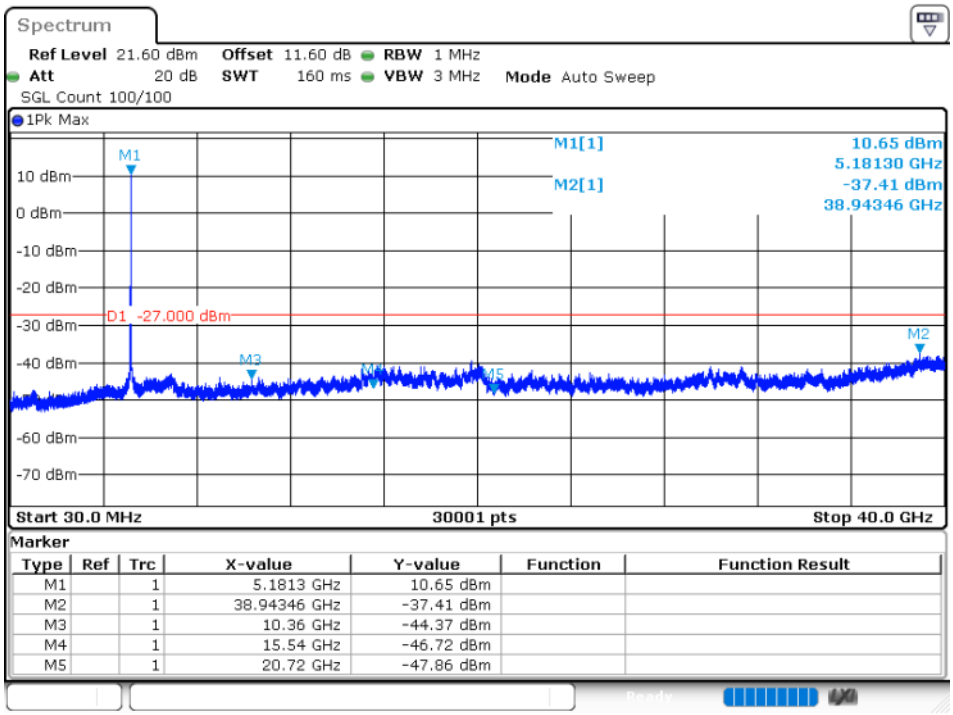
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.22826 GHz	7.51 dBm		
M2		1	5.35 GHz	-47.82 dBm		
M3		1	5.3652 GHz	-44.14 dBm		

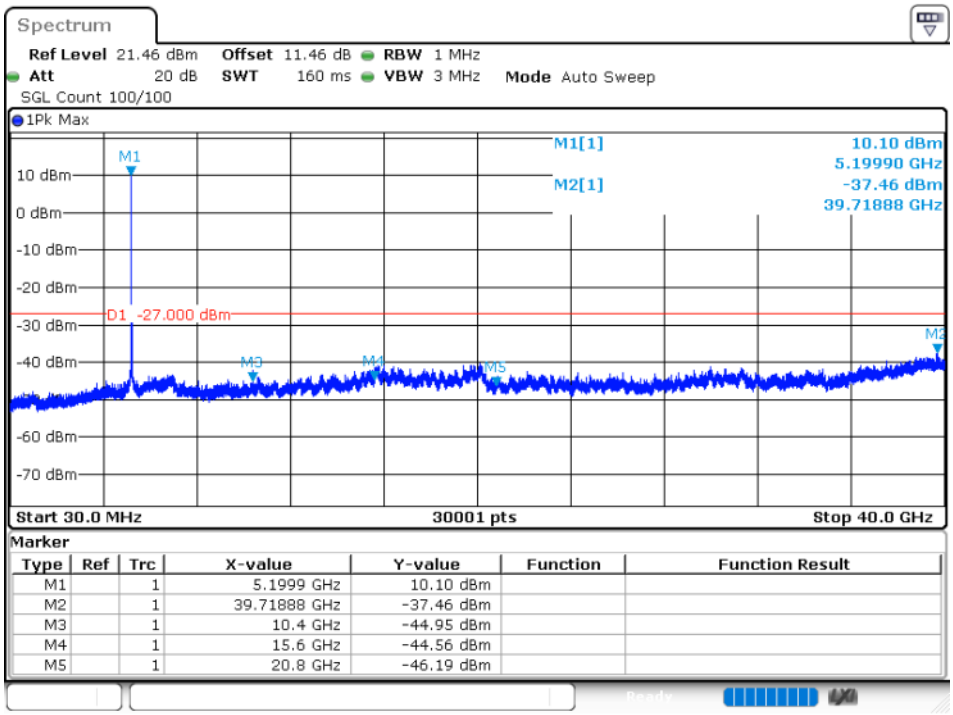
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-37.41	-27	Pass
NVNT	802.11a	5200	Ant 1	-37.46	-27	Pass
NVNT	802.11a	5240	Ant 1	-37.92	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-37.09	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-37.61	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-37.55	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-37.47	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-37.96	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



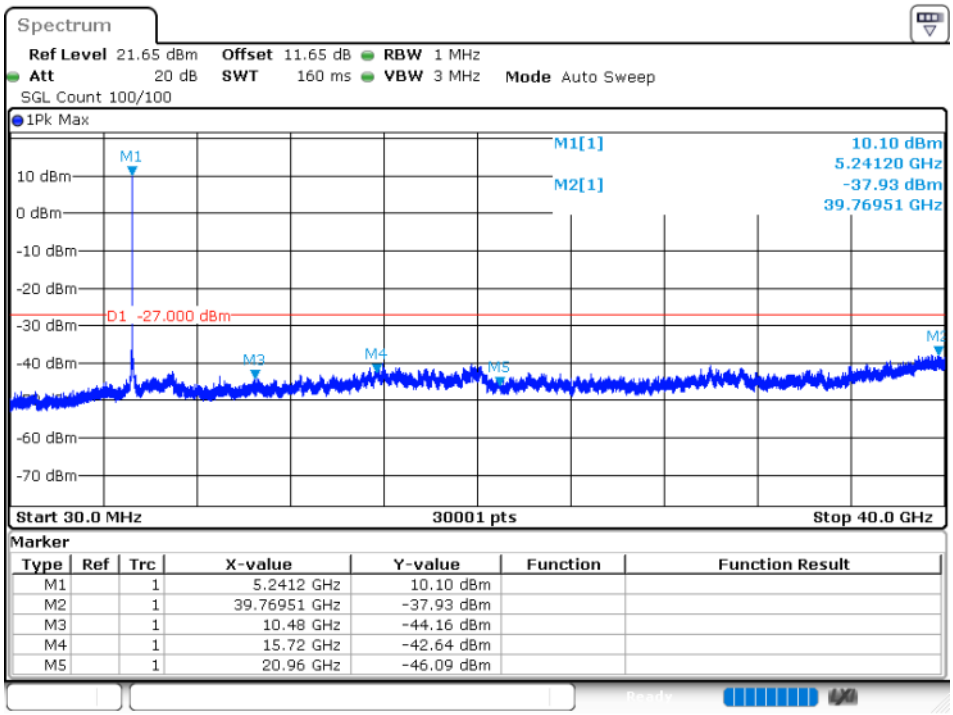
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1999 GHz	10.10 dBm		
M2		1	39.71888 GHz	-37.46 dBm		
M3		1	10.4 GHz	-44.95 dBm		
M4		1	15.6 GHz	-44.56 dBm		
M5		1	20.8 GHz	-46.19 dBm		

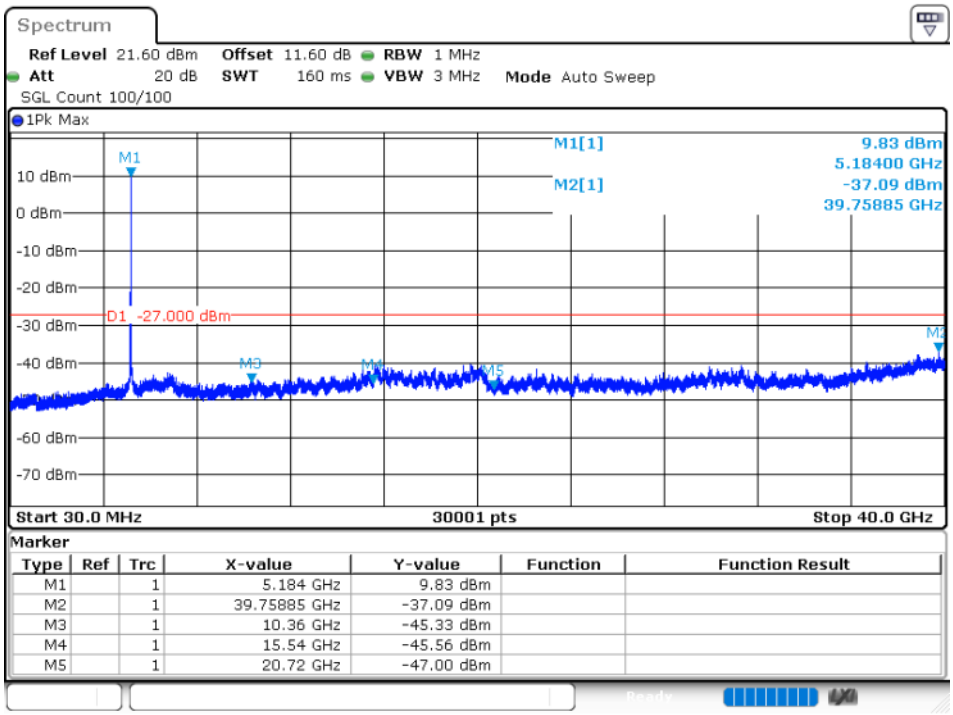
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



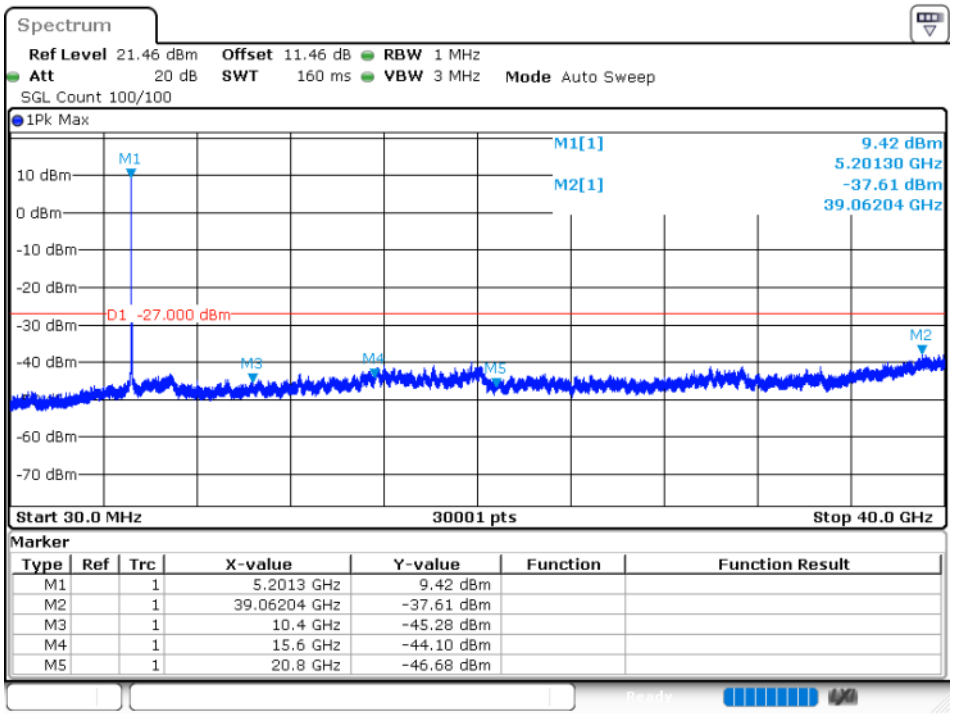
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2412 GHz	10.10 dBm		
M2		1	39.76951 GHz	-37.93 dBm		
M3		1	10.48 GHz	-44.16 dBm		
M4		1	15.72 GHz	-42.64 dBm		
M5		1	20.96 GHz	-46.09 dBm		

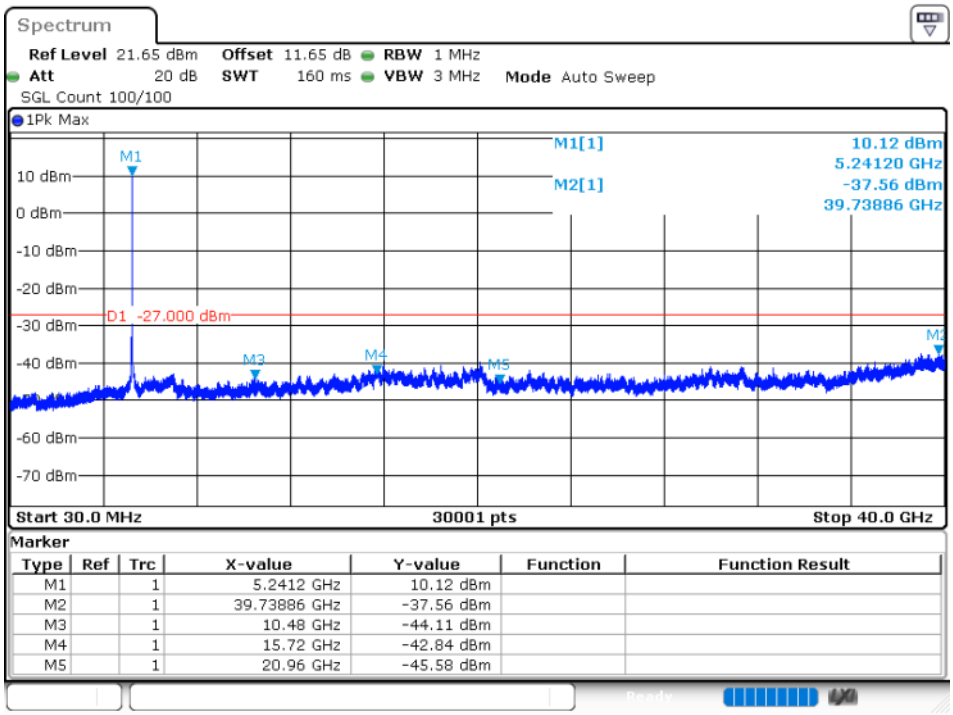
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



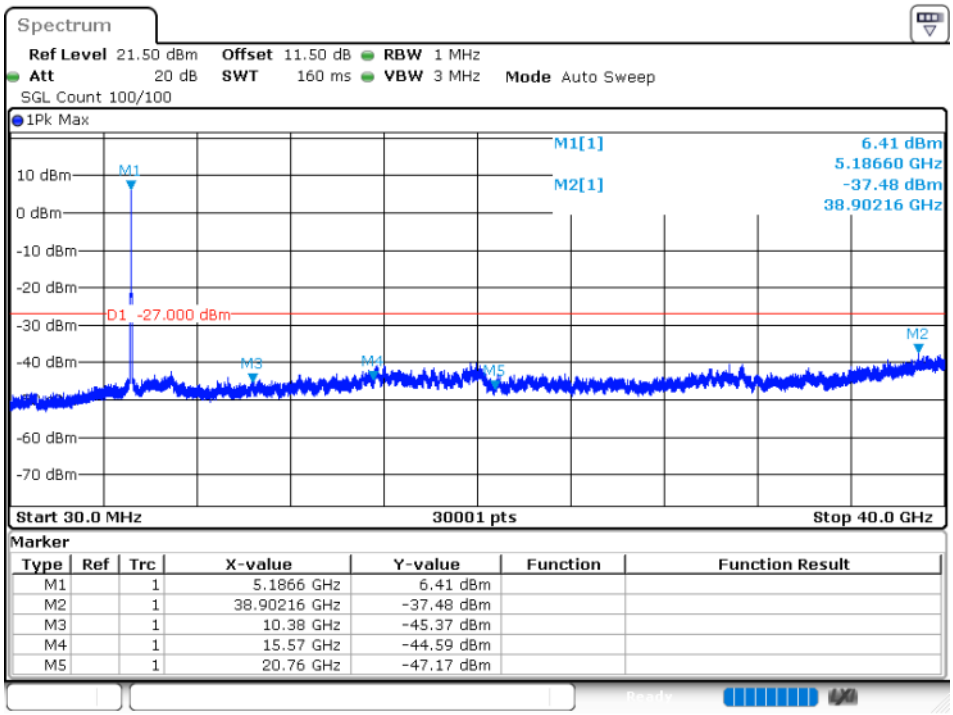
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2412 GHz	10.12 dBm		
M2		1	39.73886 GHz	-37.56 dBm		
M3		1	10.48 GHz	-44.11 dBm		
M4		1	15.72 GHz	-42.84 dBm		
M5		1	20.96 GHz	-45.58 dBm		

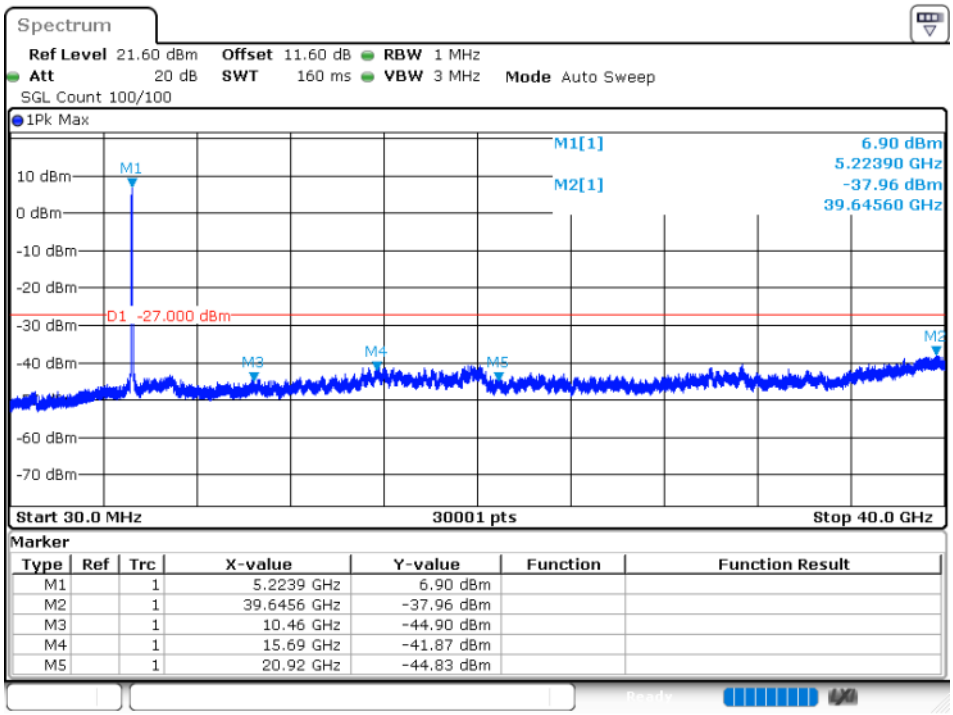
Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1866 GHz	6.41 dBm		
M2		1	38.90216 GHz	-37.48 dBm		
M3		1	10.38 GHz	-45.37 dBm		
M4		1	15.57 GHz	-44.59 dBm		
M5		1	20.76 GHz	-47.17 dBm		

Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission



Marker

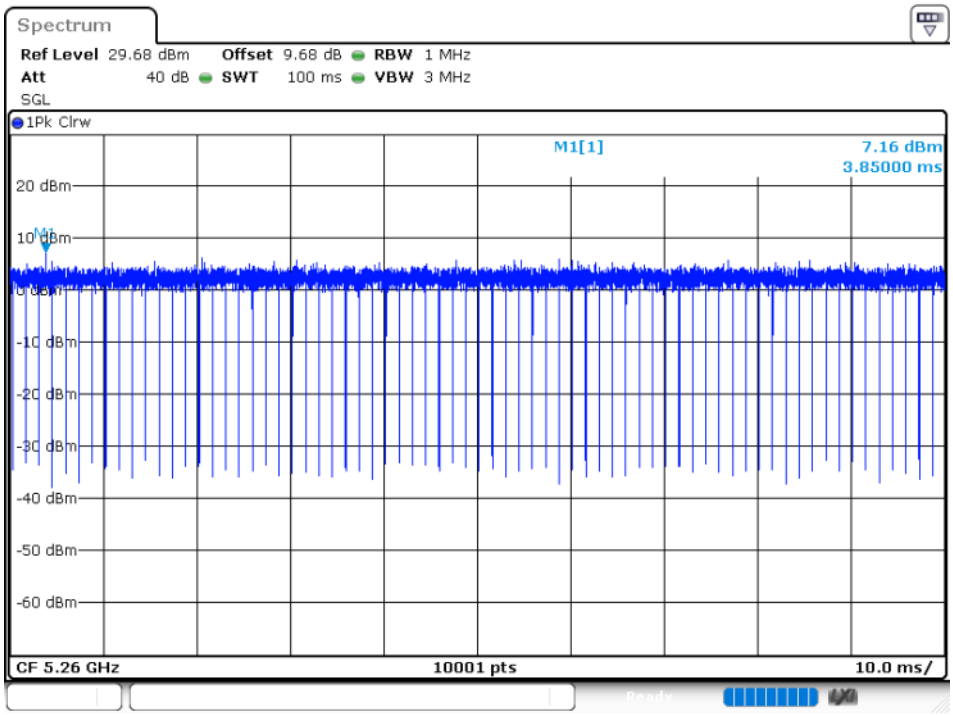
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2239 GHz	6.90 dBm		
M2		1	39.6456 GHz	-37.96 dBm		
M3		1	10.46 GHz	-44.90 dBm		
M4		1	15.69 GHz	-41.87 dBm		
M5		1	20.92 GHz	-44.83 dBm		

5.3G

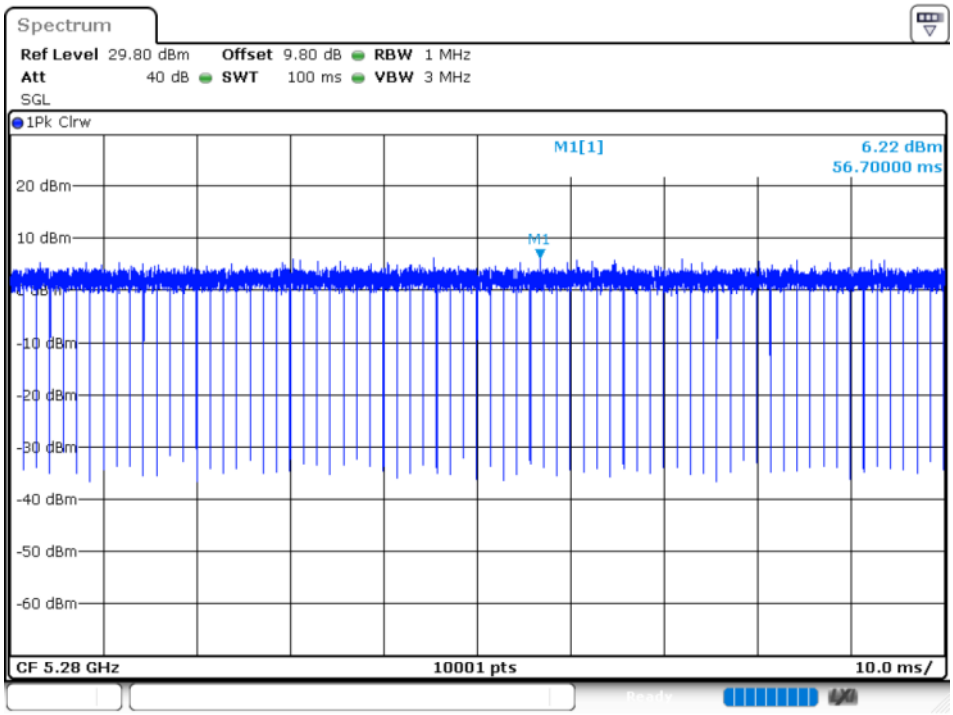
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5260	100
NVNT	802.11a	5280	100
NVNT	802.11a	5320	100
NVNT	802.11n(HT20)	5260	100
NVNT	802.11n(HT20)	5280	100
NVNT	802.11n(HT20)	5320	100
NVNT	802.11n(HT40)	5270	100
NVNT	802.11n(HT40)	5310	100

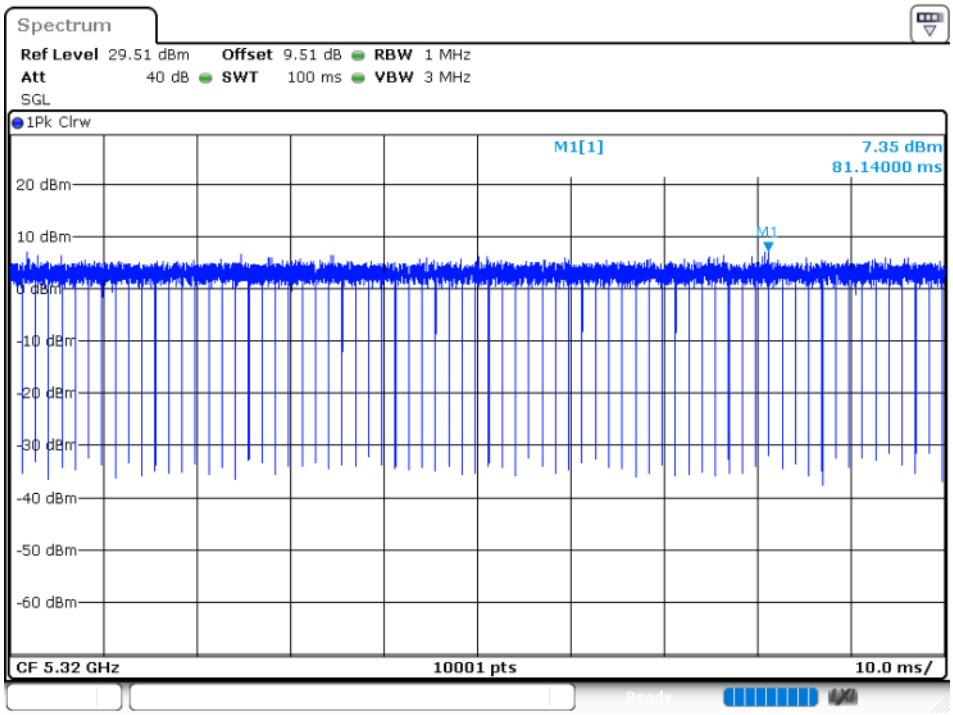
Duty Cycle NVNT 802.11a 5260MHz



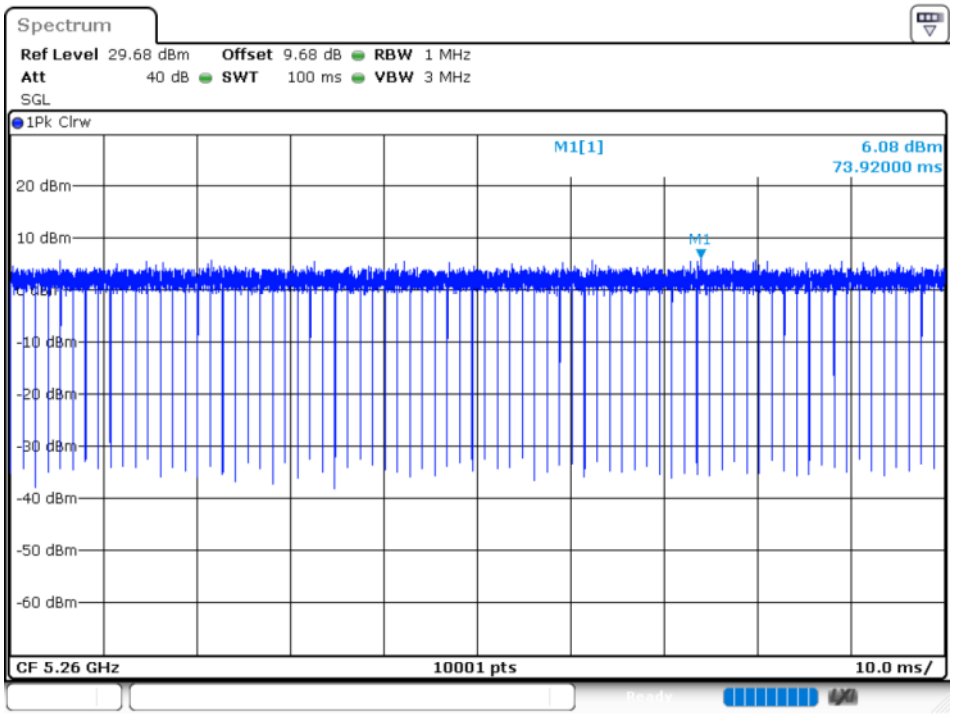
Duty Cycle NVNT 802.11a 5280MHz



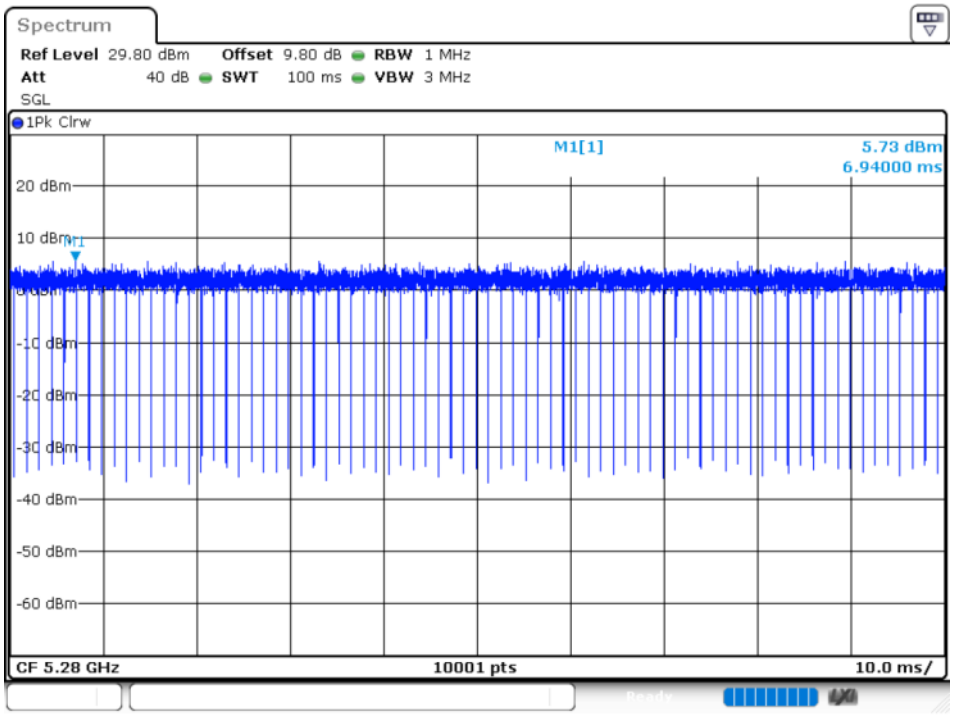
Duty Cycle NVNT 802.11a 5320MHz



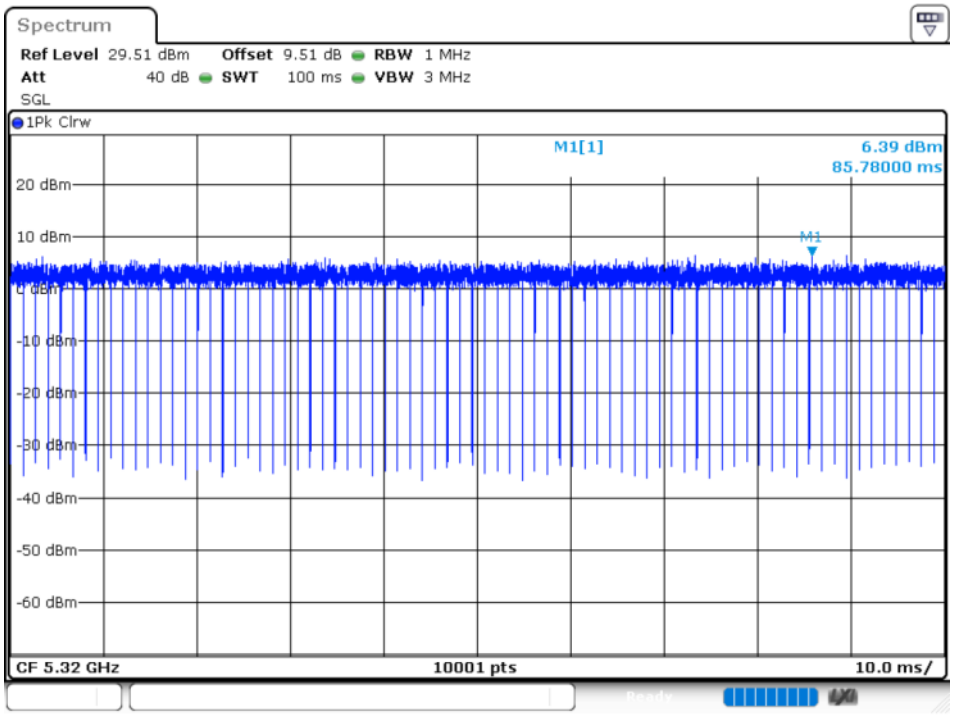
Duty Cycle NVNT 802.11n(HT20) 5260MHz



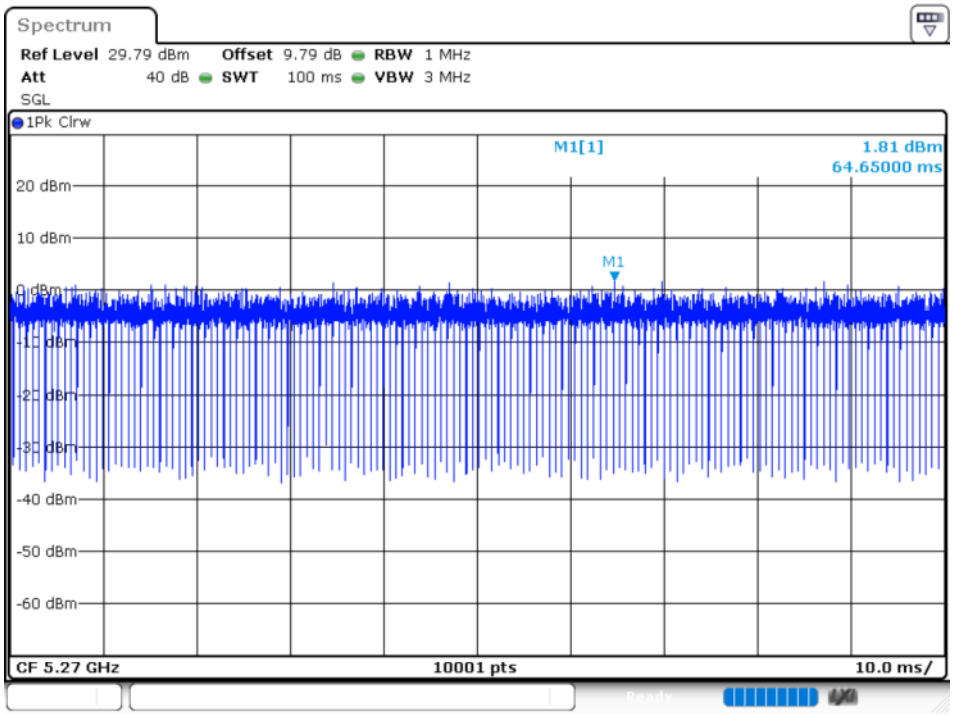
Duty Cycle NVNT 802.11n(HT20) 5280MHz



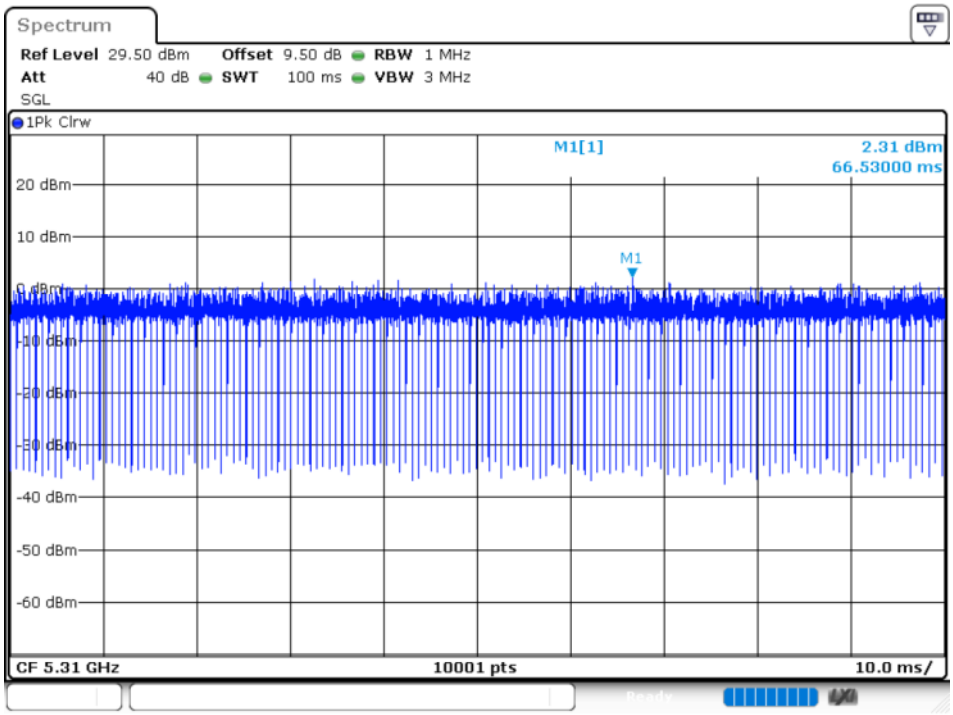
Duty Cycle NVNT 802.11n(HT20) 5320MHz



Duty Cycle NVNT 802.11n(HT40) 5270MHz



Duty Cycle NVNT 802.11n(HT40) 5310MHz



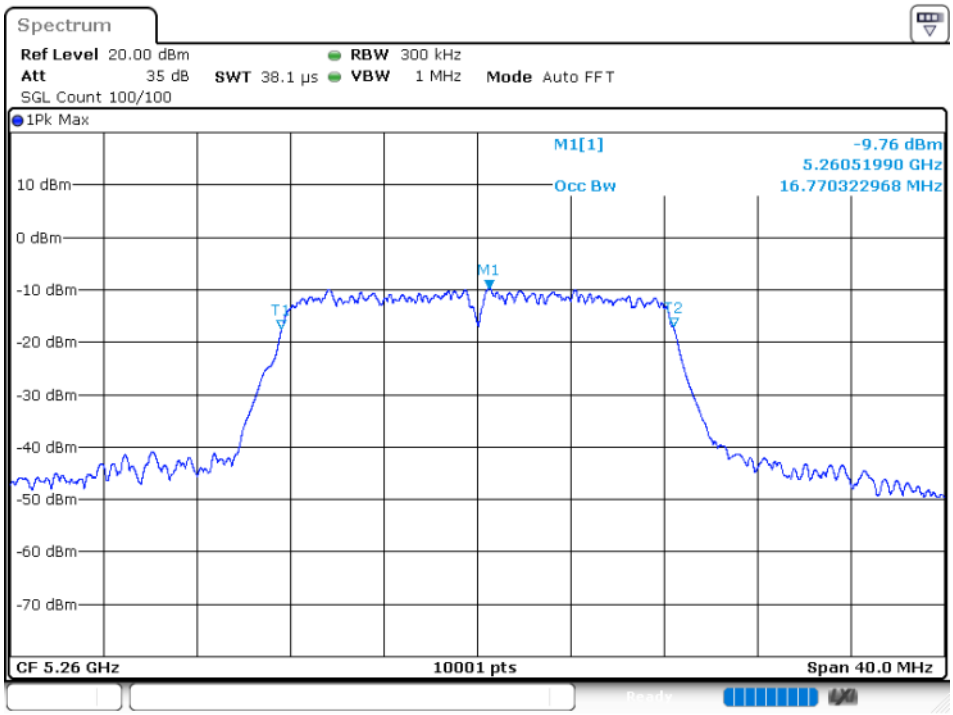
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	8.45	23.76	Pass
NVNT	802.11a	5280	Ant 1	8.73	23.76	Pass
NVNT	802.11a	5320	Ant 1	9.7	23.76	Pass
NVNT	802.11n(HT20)	5260	Ant 1	8.49	23.86	Pass
NVNT	802.11n(HT20)	5280	Ant 1	9	23.86	Pass
NVNT	802.11n(HT20)	5320	Ant 1	9.78	23.86	Pass
NVNT	802.11n(HT40)	5270	Ant 1	8.76	24	Pass
NVNT	802.11n(HT40)	5310	Ant 1	9.63	24	Pass

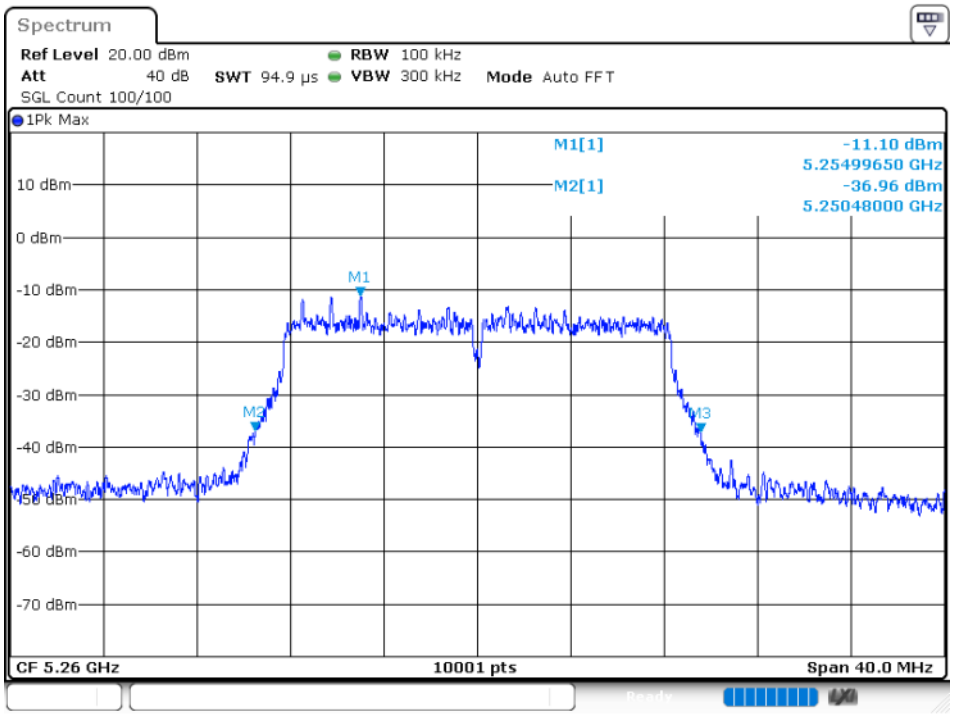
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5260	Ant 1	16.7703	19.068	N/A	Pass
NVNT	802.11a	5280	Ant 1	16.7743	19.092	N/A	Pass
NVNT	802.11a	5320	Ant 1	16.7103	18.872	N/A	Pass
NVNT	802.11n(HT20)	5260	Ant 1	17.7822	19.412	N/A	Pass
NVNT	802.11n(HT20)	5280	Ant 1	17.7622	19.34	N/A	Pass
NVNT	802.11n(HT20)	5320	Ant 1	17.8622	19.604	N/A	Pass
NVNT	802.11n(HT40)	5270	Ant 1	36.1564	38.64	N/A	Pass
NVNT	802.11n(HT40)	5310	Ant 1	36.1164	38.56	N/A	Pass

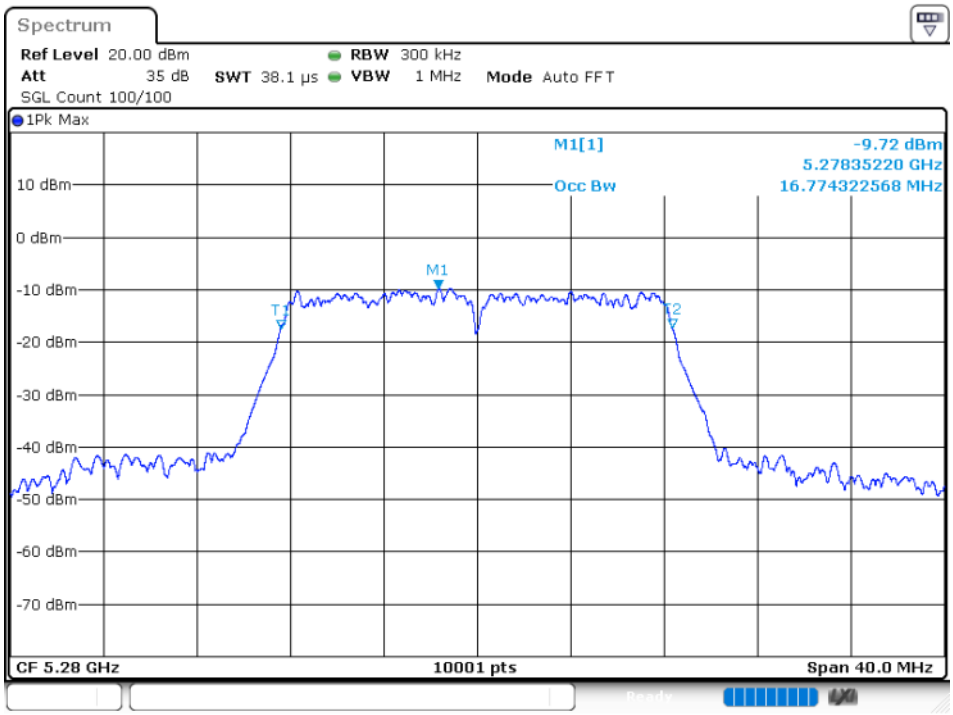
OBW NVNT 802.11a 5260MHz Ant1



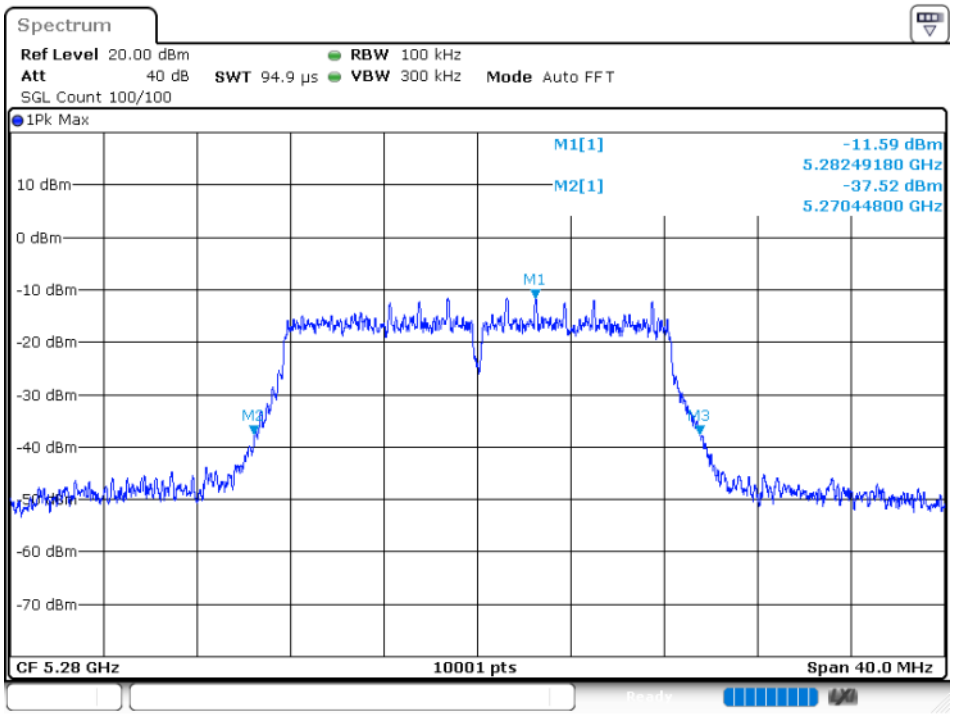
-26 dB BW NVNT 802.11a 5260MHz Ant1



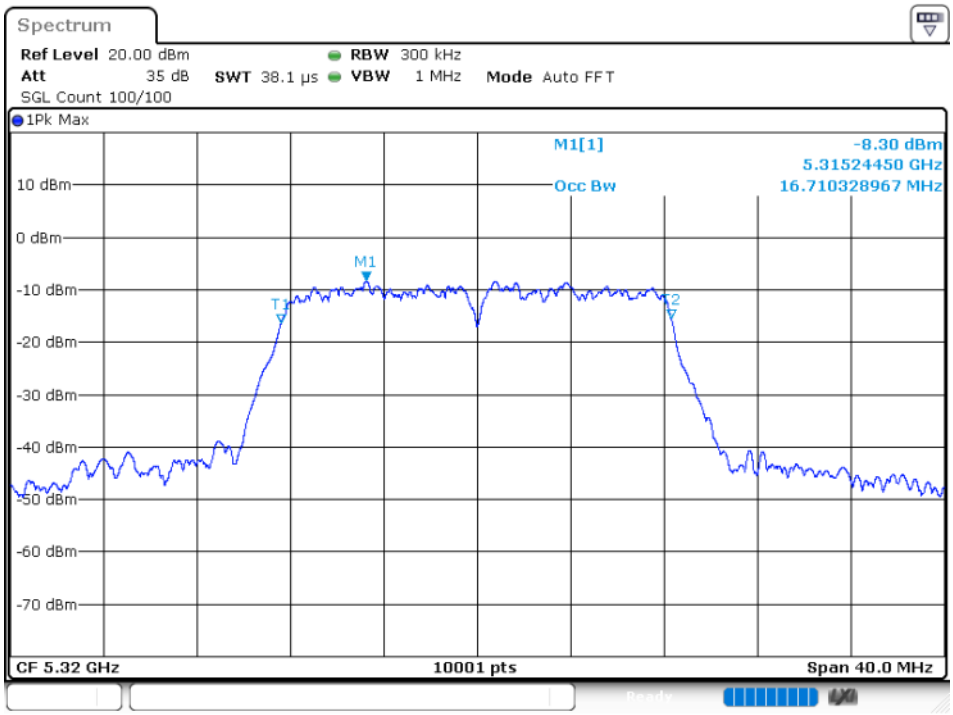
OBW NVNT 802.11a 5280MHz Ant1



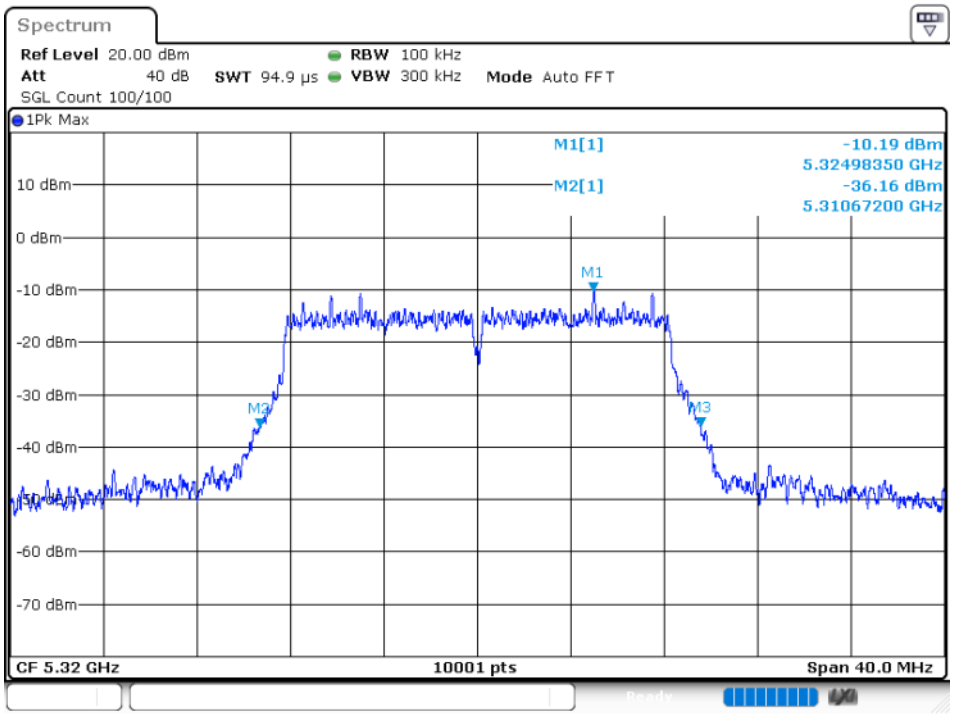
-26 dB BW NVNT 802.11a 5280MHz Ant1



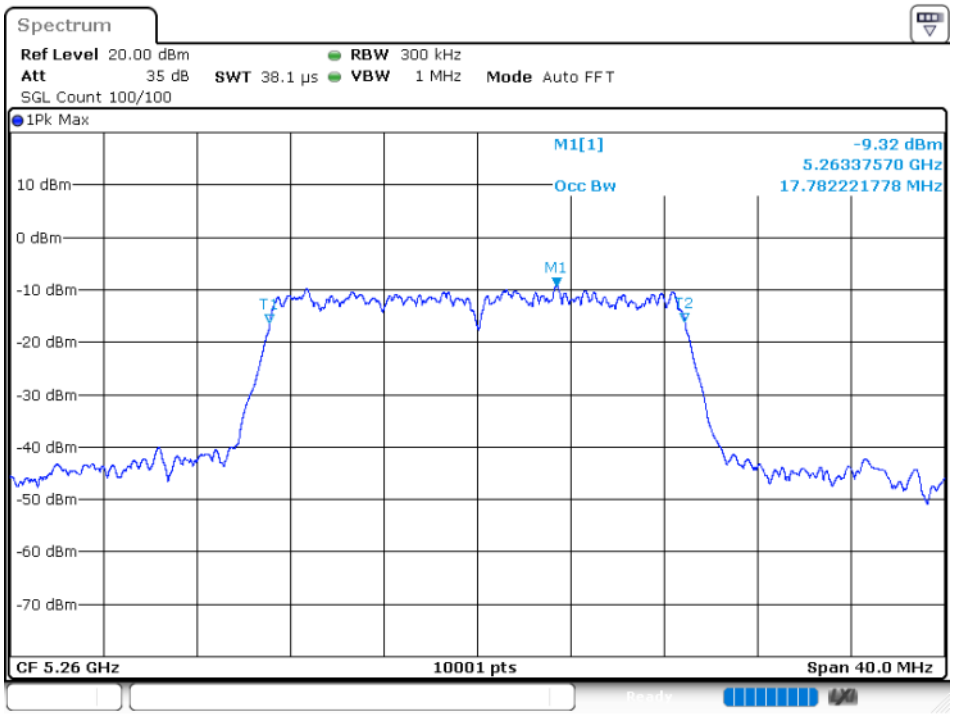
OBW NVNT 802.11a 5320MHz Ant1



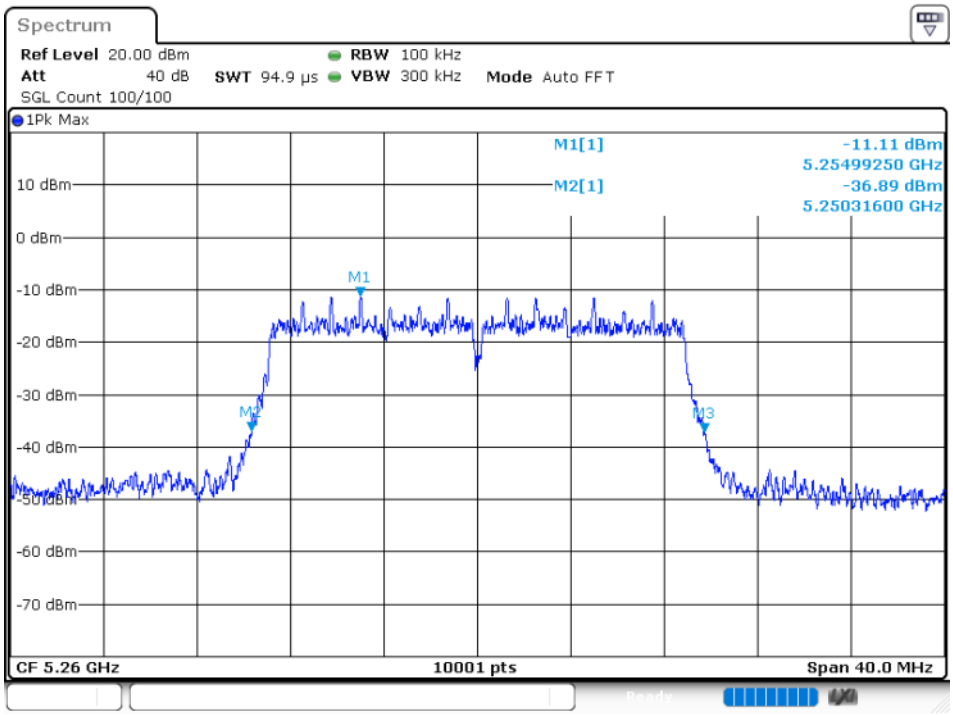
-26 dB BW NVNT 802.11a 5320MHz Ant1



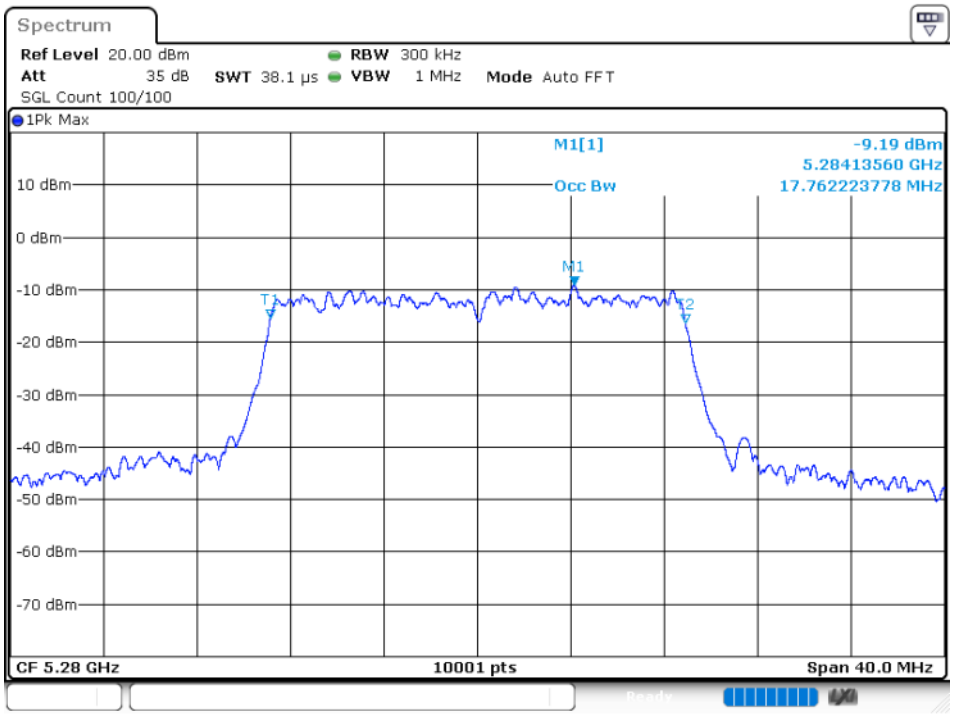
OBW NVNT 802.11n(HT20) 5260MHz Ant1



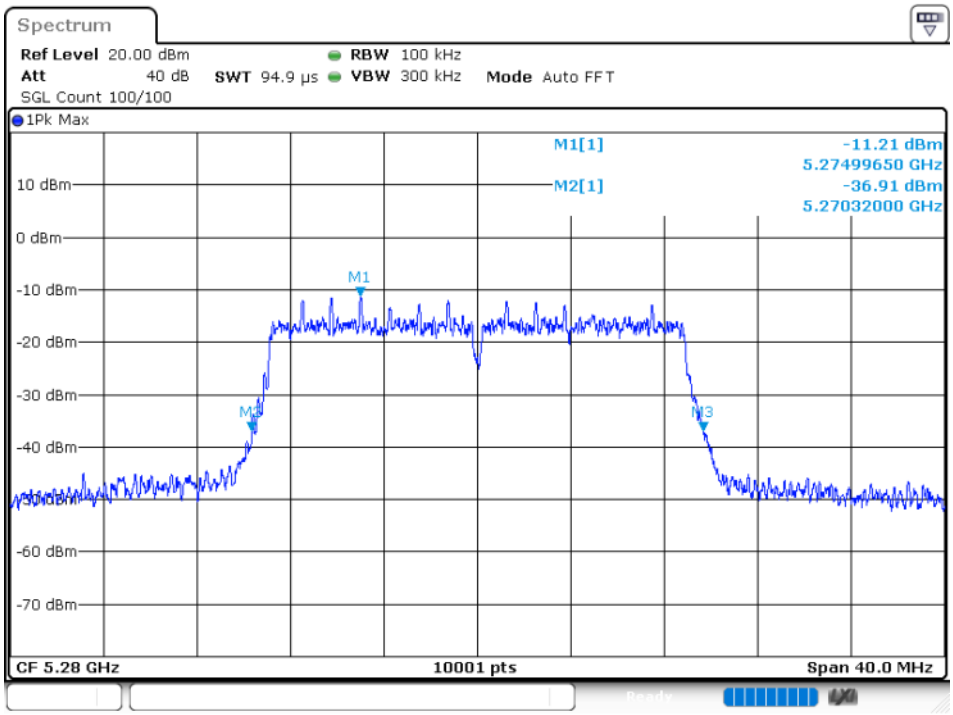
-26 dB BW NVNT 802.11n(HT20) 5260MHz Ant1



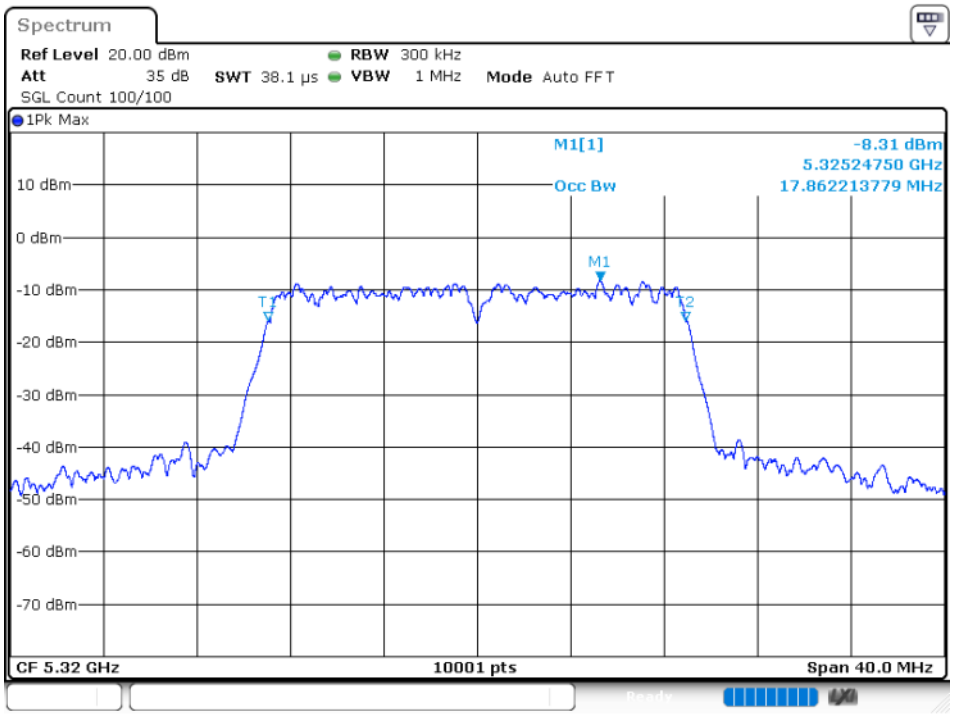
OBW NVNT 802.11n(HT20) 5280MHz Ant1



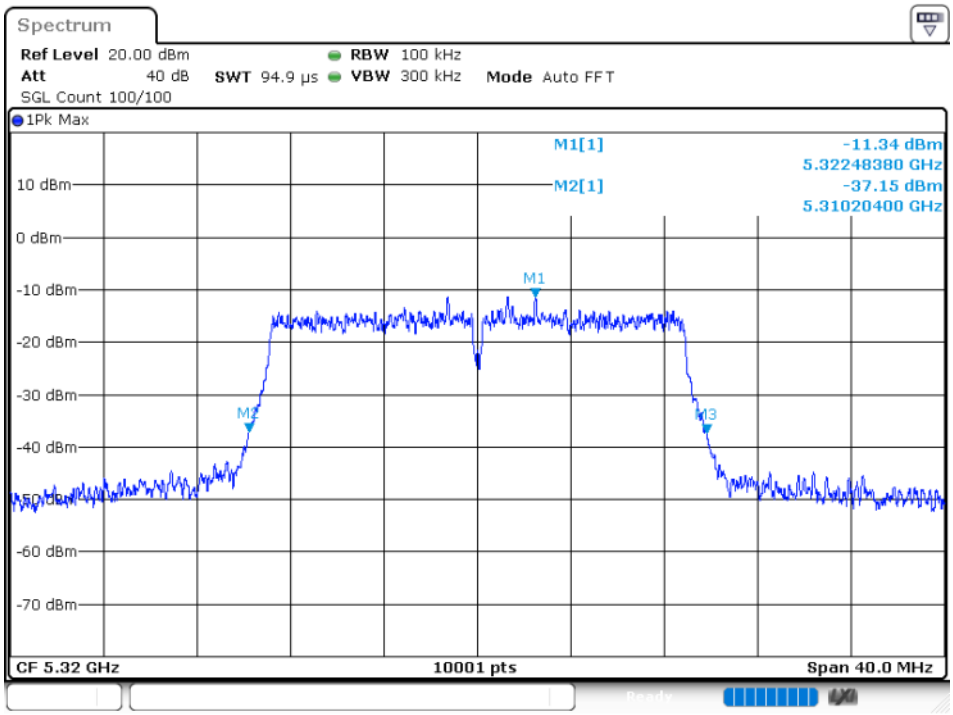
-26 dB BW NVNT 802.11n(HT20) 5280MHz Ant1



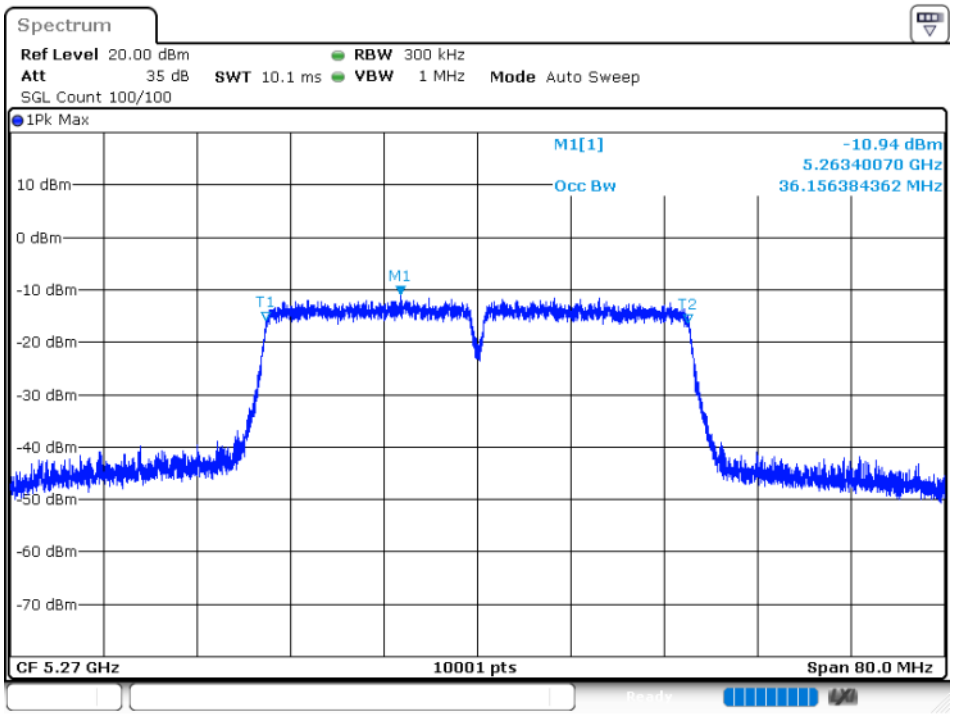
OBW NVNT 802.11n(HT20) 5320MHz Ant1



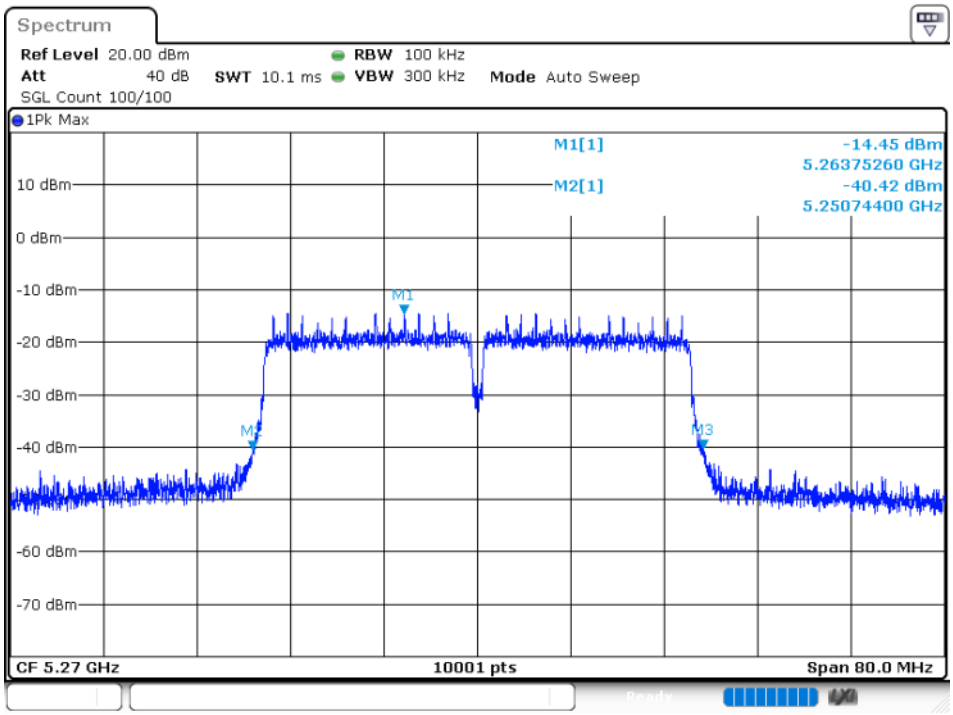
-26 dB BW NVNT 802.11n(HT20) 5320MHz Ant1



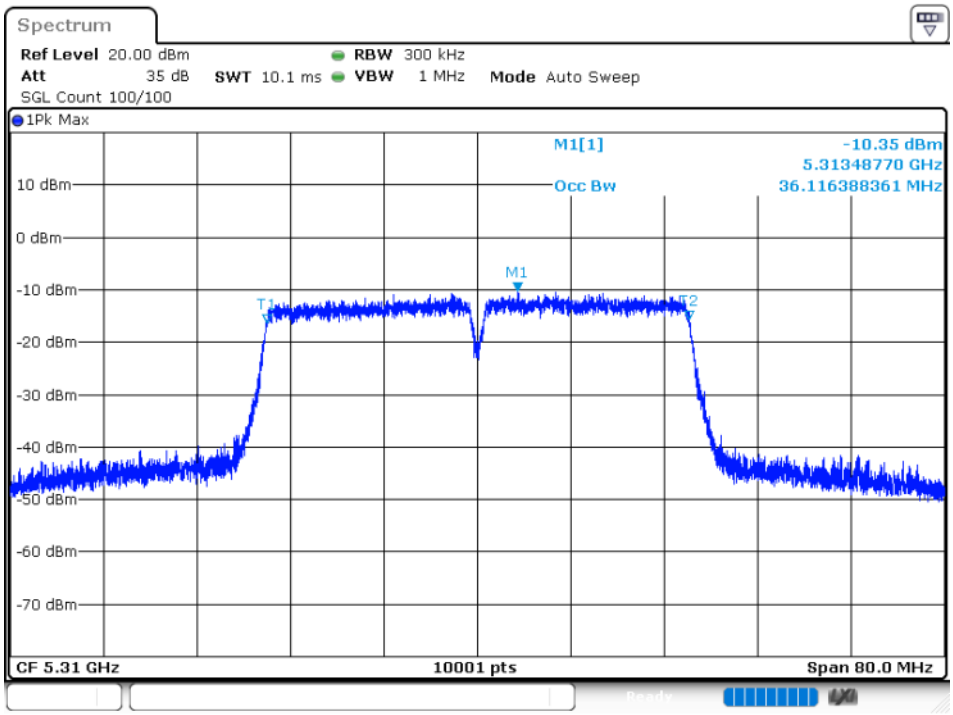
OBW NVNT 802.11n(HT40) 5270MHz Ant1



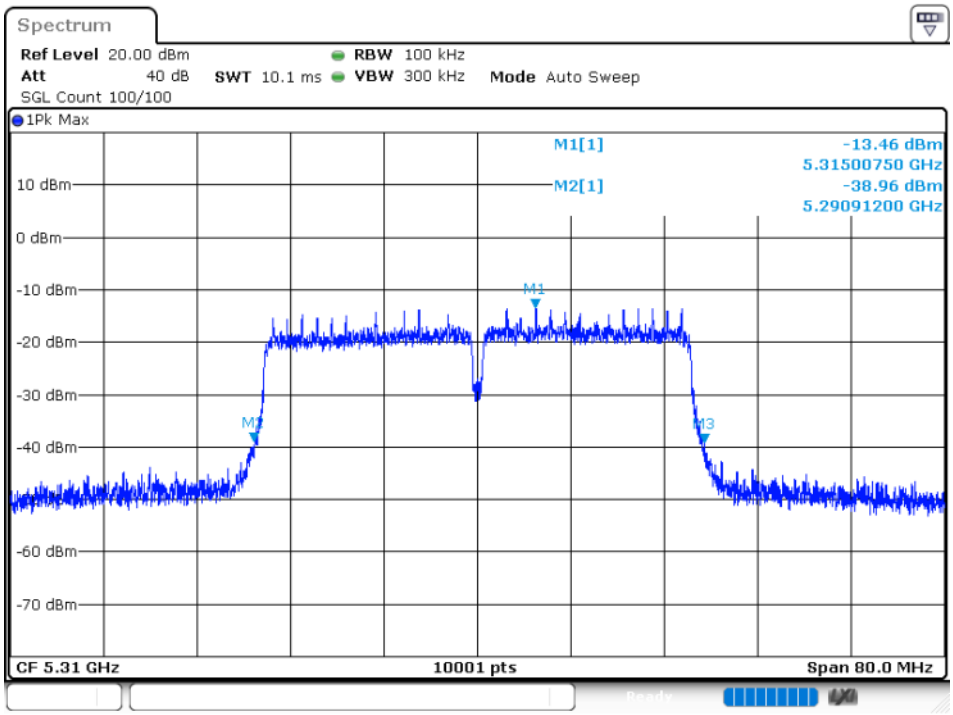
-26 dB BW NVNT 802.11n(HT40) 5270MHz Ant1



OBW NVNT 802.11n(HT40) 5310MHz Ant1



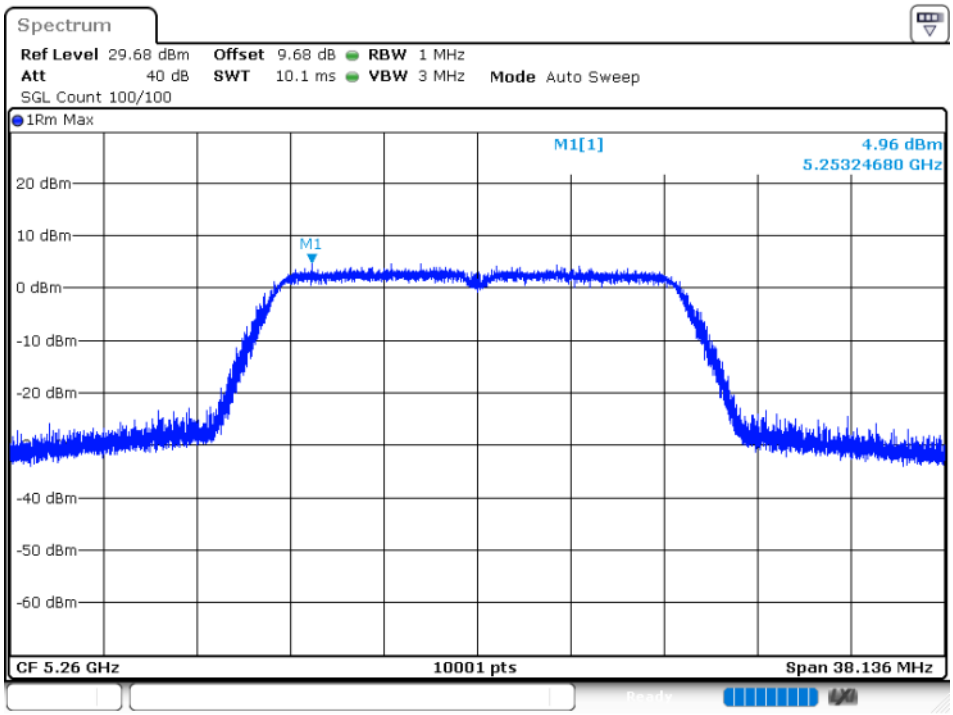
-26 dB BW NVNT 802.11n(HT40) 5310MHz Ant1



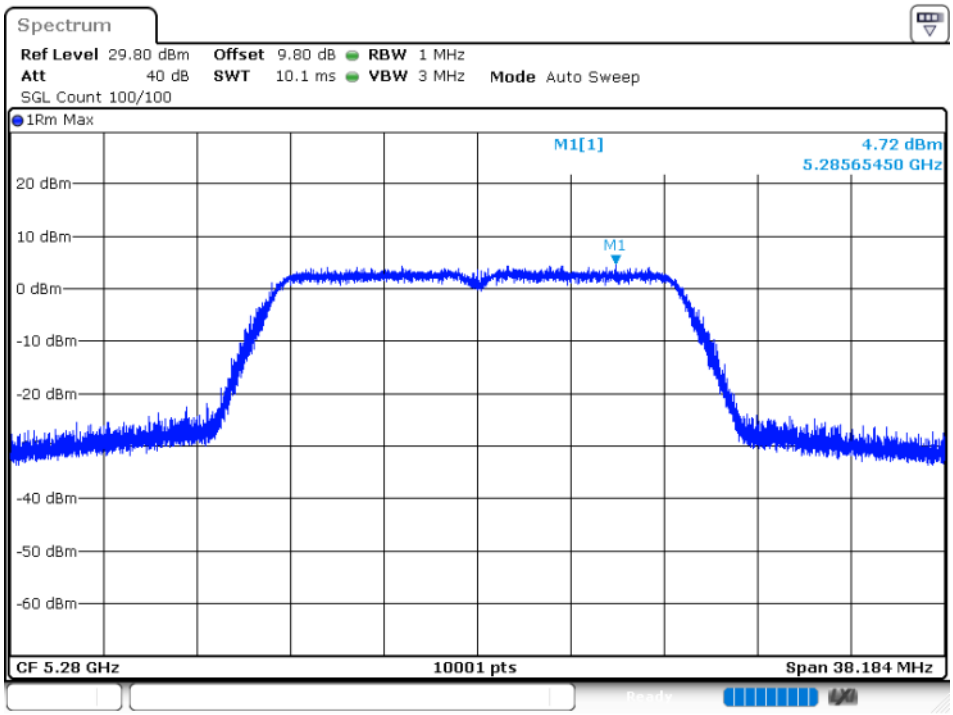
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	4.962	11	Pass
NVNT	802.11a	5280	Ant 1	4.723	11	Pass
NVNT	802.11a	5320	Ant 1	5.88	11	Pass
NVNT	802.11n(HT20)	5260	Ant 1	5.154	11	Pass
NVNT	802.11n(HT20)	5280	Ant 1	4.756	11	Pass
NVNT	802.11n(HT20)	5320	Ant 1	5.518	11	Pass
NVNT	802.11n(HT40)	5270	Ant 1	2.517	11	Pass
NVNT	802.11n(HT40)	5310	Ant 1	2.637	11	Pass

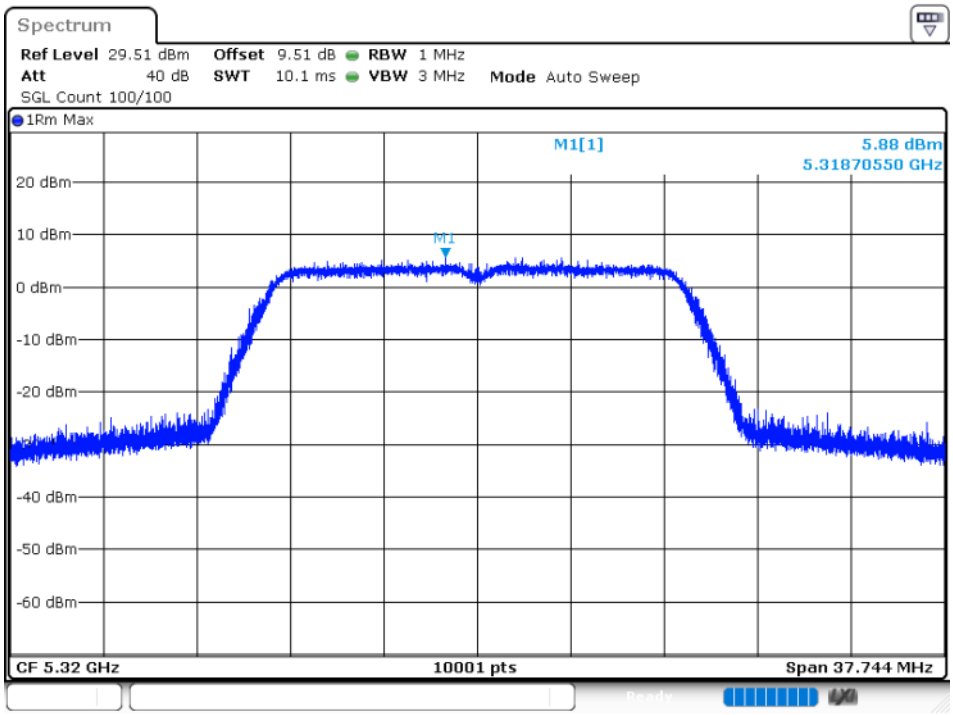
PSD NVNT 802.11a 5260MHz Ant1



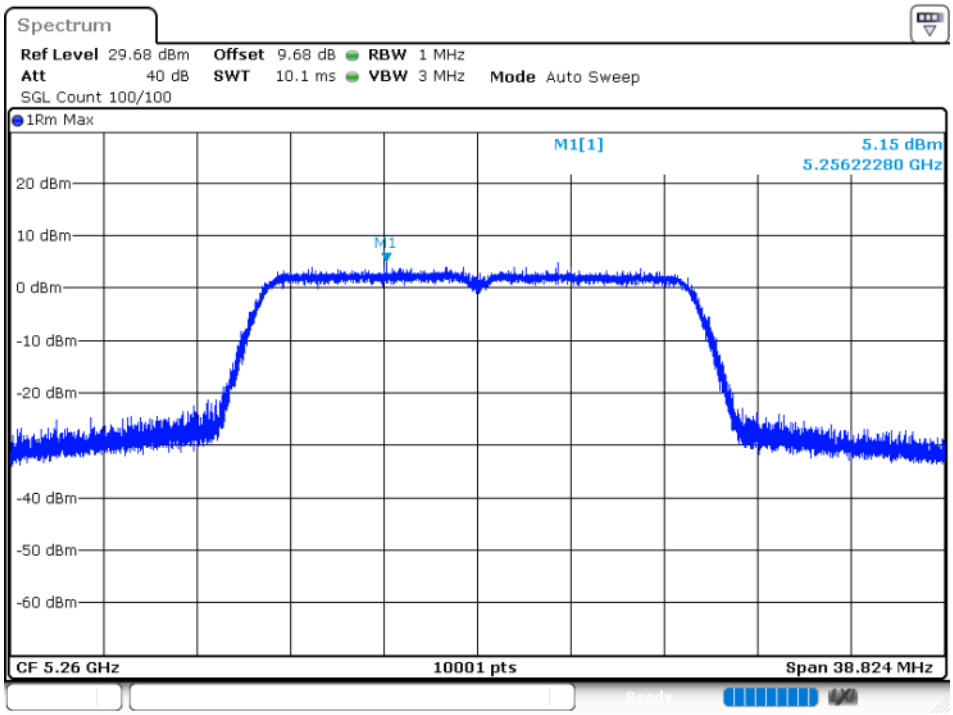
PSD NVNT 802.11a 5280MHz Ant1



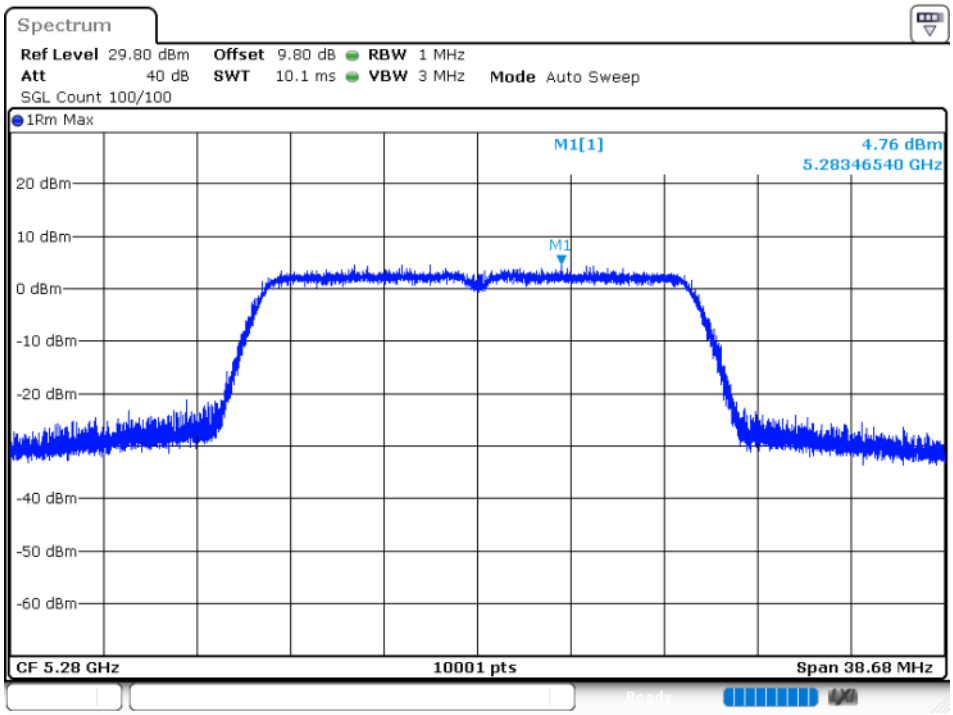
PSD NVNT 802.11a 5320MHz Ant1



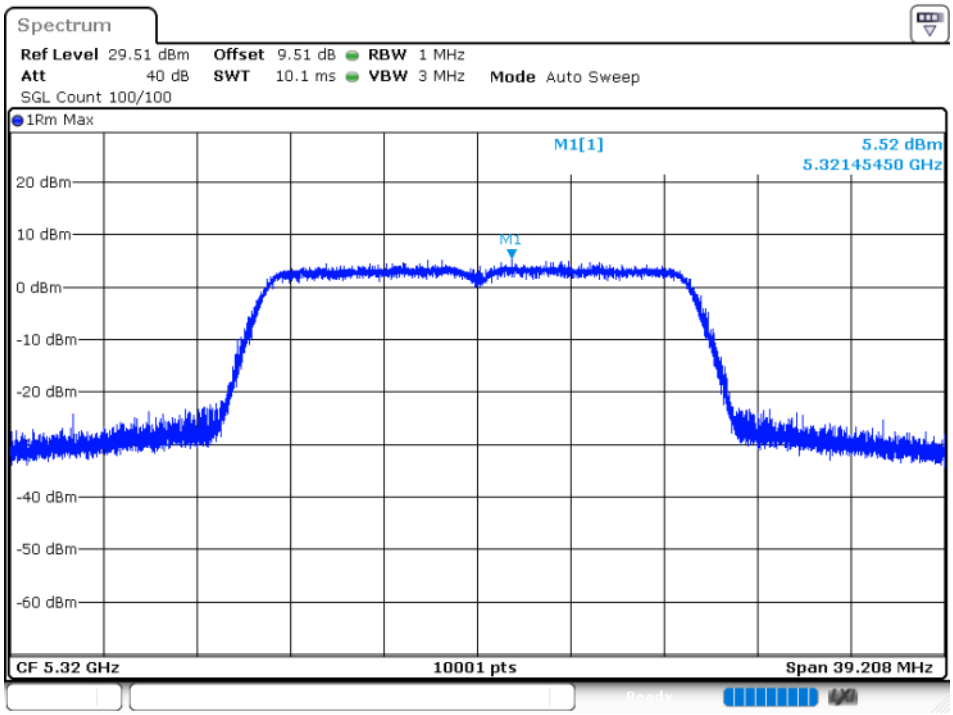
PSD NVNT 802.11n(HT20) 5260MHz Ant1



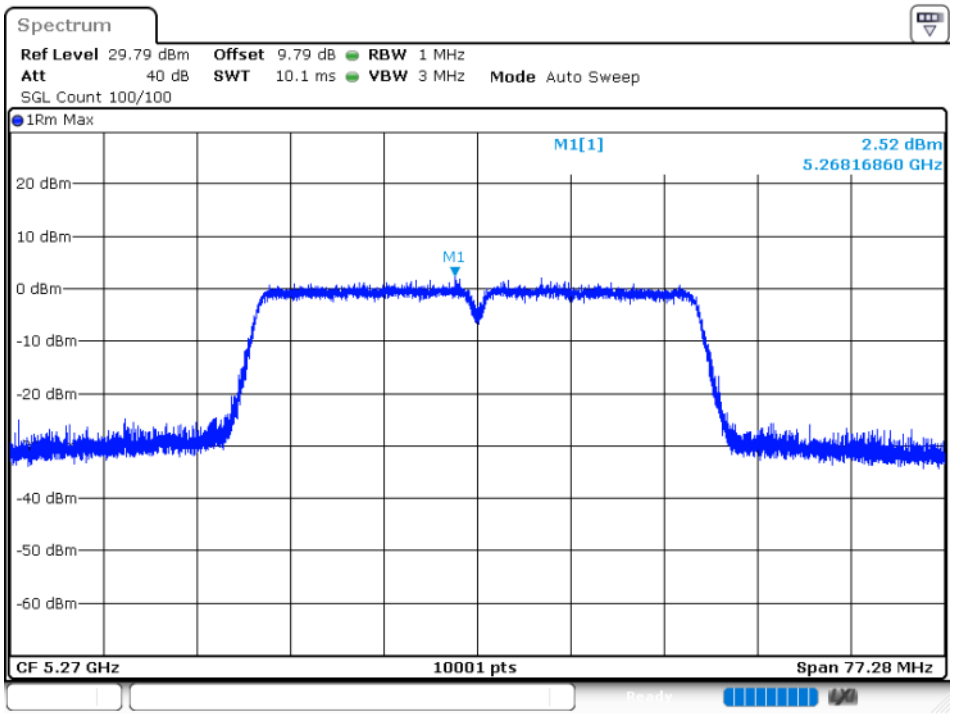
PSD NVNT 802.11n(HT20) 5280MHz Ant1



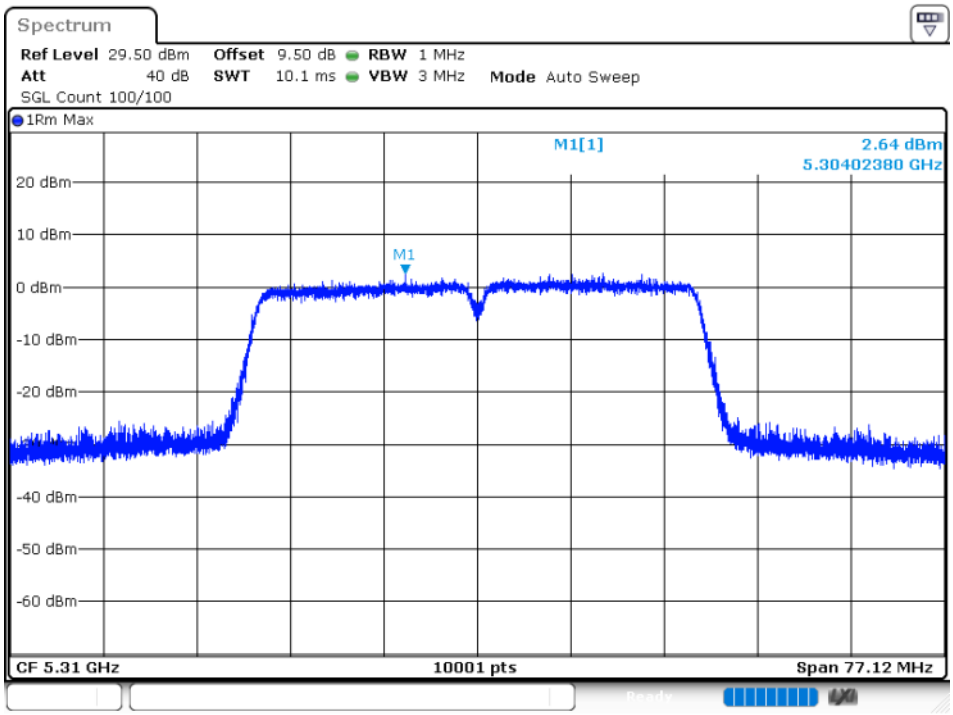
PSD NVNT 802.11n(HT20) 5320MHz Ant1



PSD NVNT 802.11n(HT40) 5270MHz Ant1



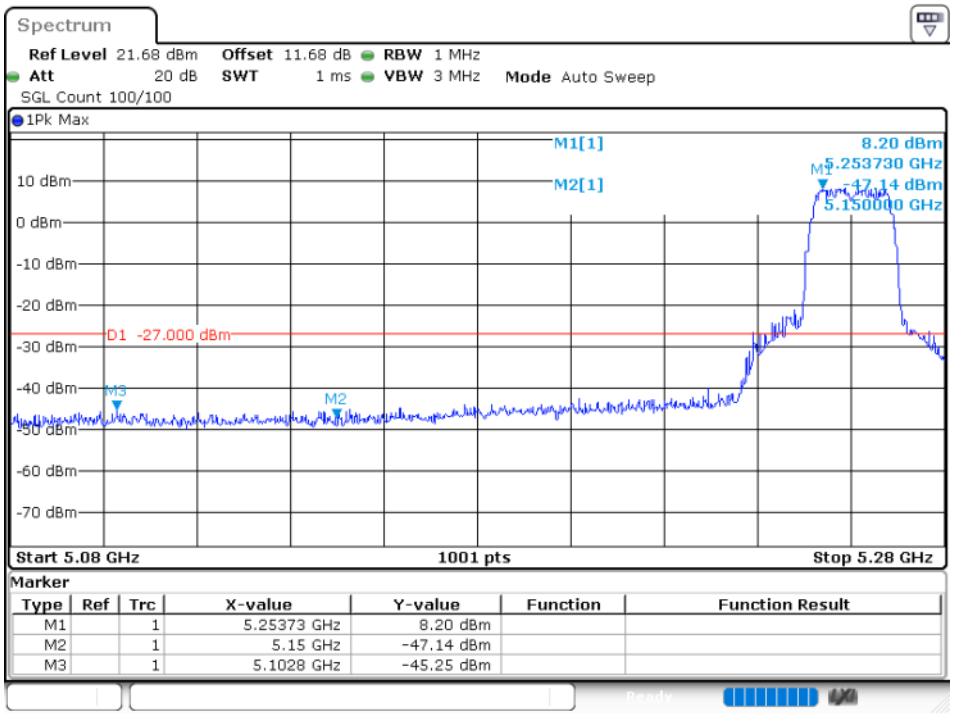
PSD NVNT 802.11n(HT40) 5310MHz Ant1



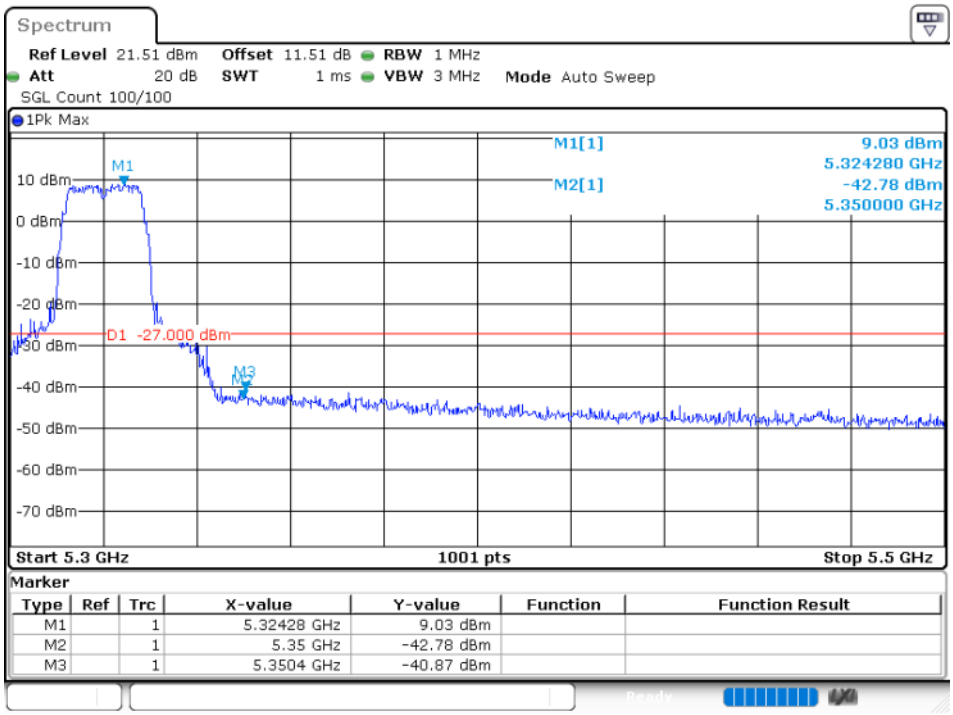
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5260	Ant 1	-45.24	-27	Pass
NVNT	802.11a	5320	Ant 1	-40.87	-27	Pass
NVNT	802.11n(HT20)	5260	Ant 1	-44.63	-27	Pass
NVNT	802.11n(HT20)	5320	Ant 1	-41.53	-27	Pass
NVNT	802.11n(HT40)	5270	Ant 1	-45.07	-27	Pass
NVNT	802.11n(HT40)	5310	Ant 1	-31.02	-27	Pass

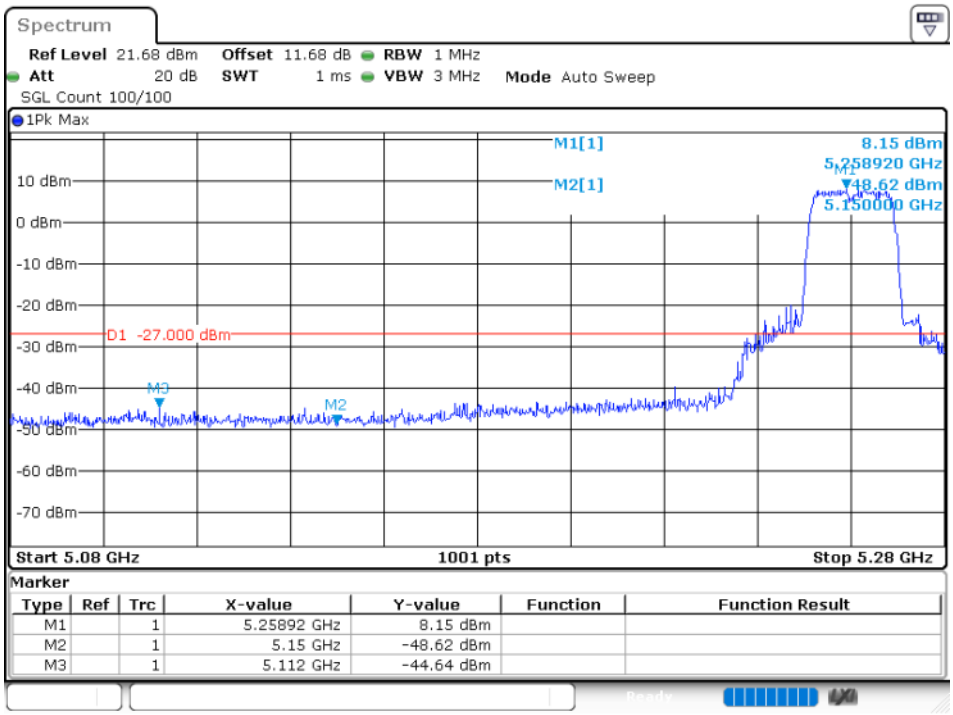
Band Edge NVNT 802.11a 5260MHz Low Ant1



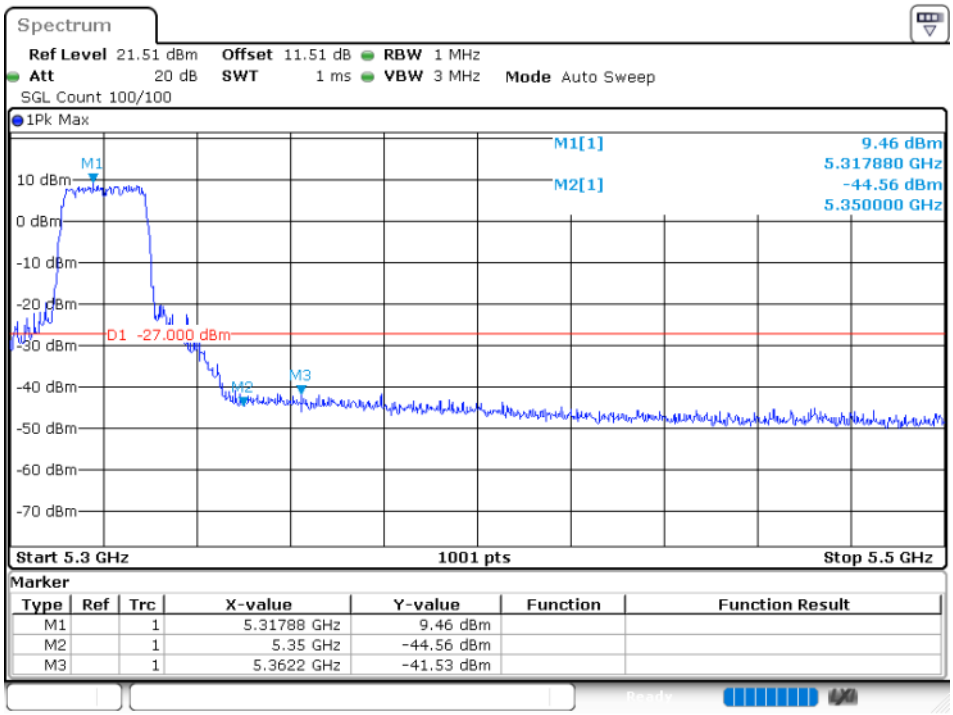
Band Edge NVNT 802.11a 5320MHz High Ant1



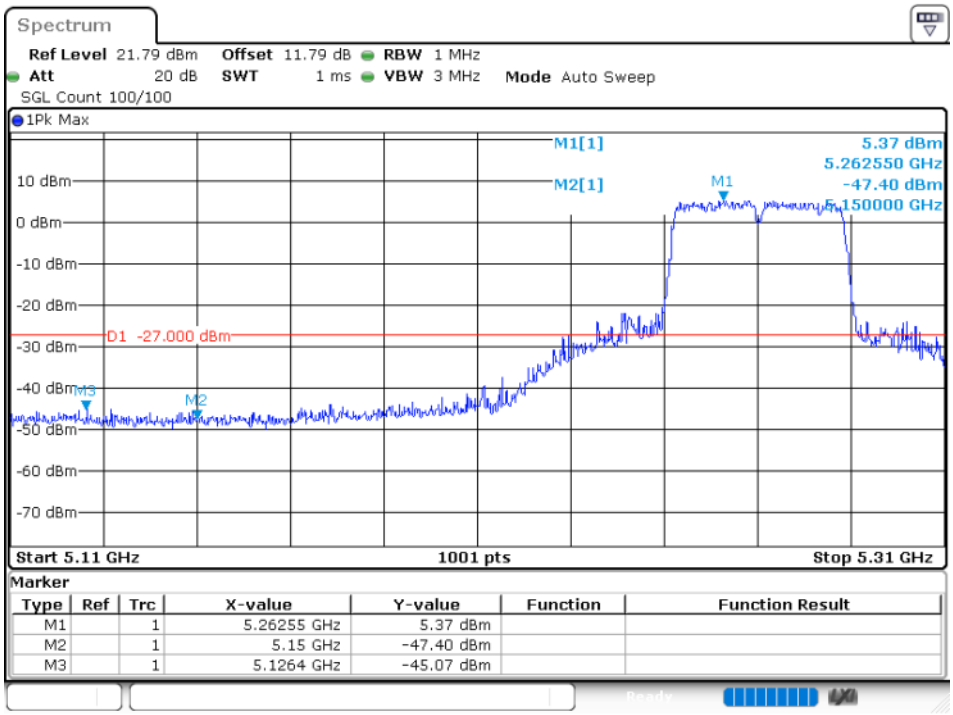
Band Edge NVNT 802.11n(HT20) 5260MHz Low Ant1



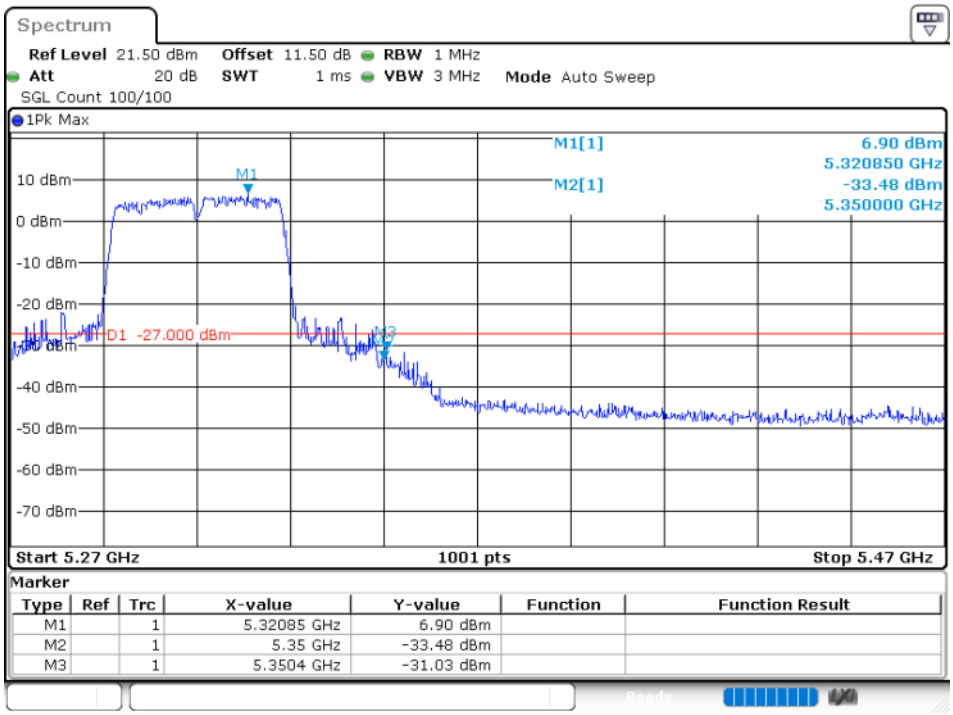
Band Edge NVNT 802.11n(HT20) 5320MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5270MHz Low Ant1



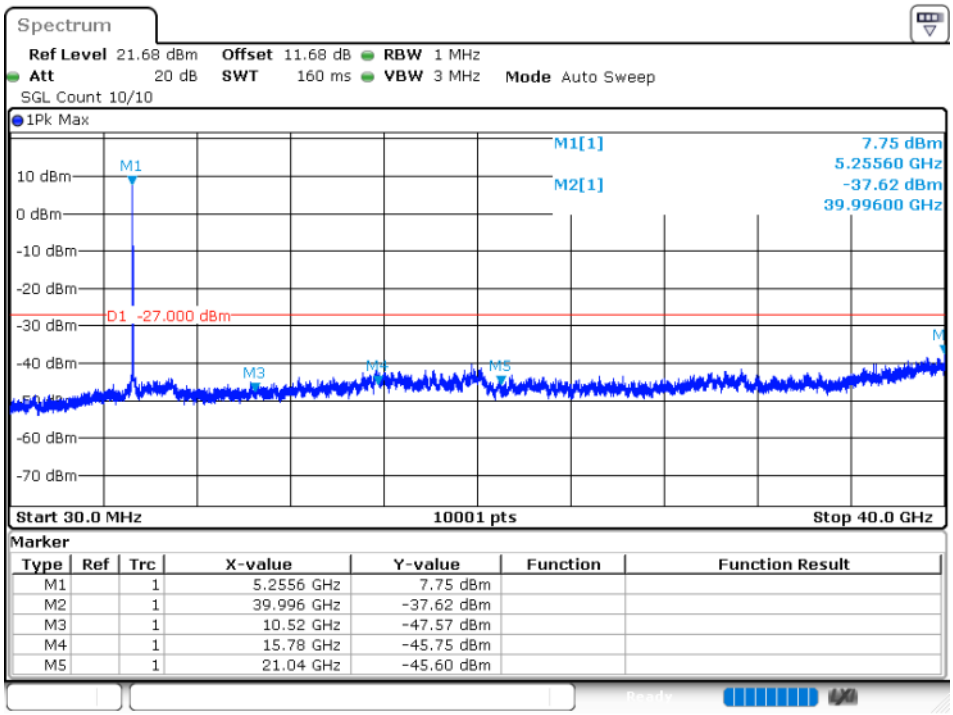
Band Edge NVNT 802.11n(HT40) 5310MHz High Ant1



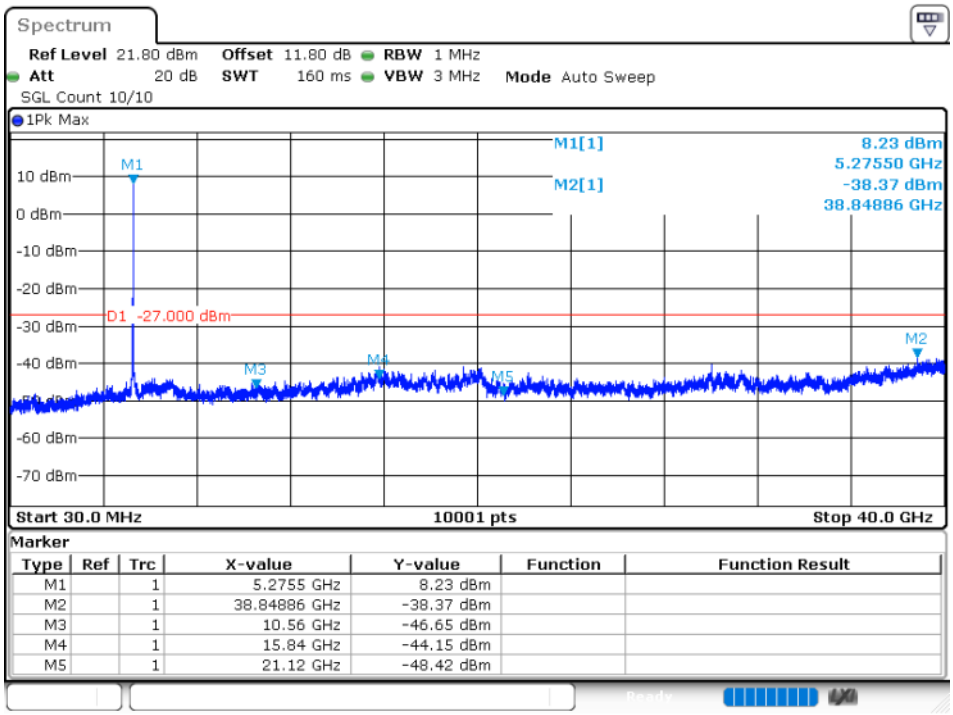
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5260	Ant 1	-37.61	-27	Pass
NVNT	802.11a	5280	Ant 1	-38.36	-27	Pass
NVNT	802.11a	5320	Ant 1	-39.25	-27	Pass
NVNT	802.11n(HT20)	5260	Ant 1	-38.49	-27	Pass
NVNT	802.11n(HT20)	5280	Ant 1	-37.56	-27	Pass
NVNT	802.11n(HT20)	5320	Ant 1	-38.26	-27	Pass
NVNT	802.11n(HT40)	5270	Ant 1	-39.02	-27	Pass
NVNT	802.11n(HT40)	5310	Ant 1	-37.67	-27	Pass

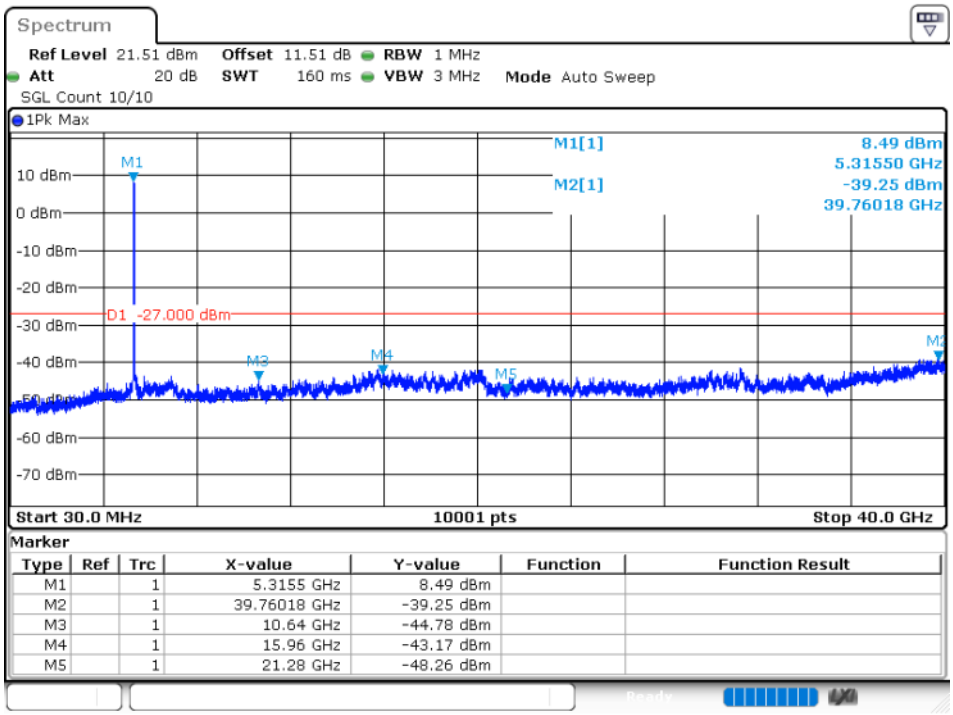
Tx. Spurious NVNT 802.11a 5260MHz Ant1 Emission



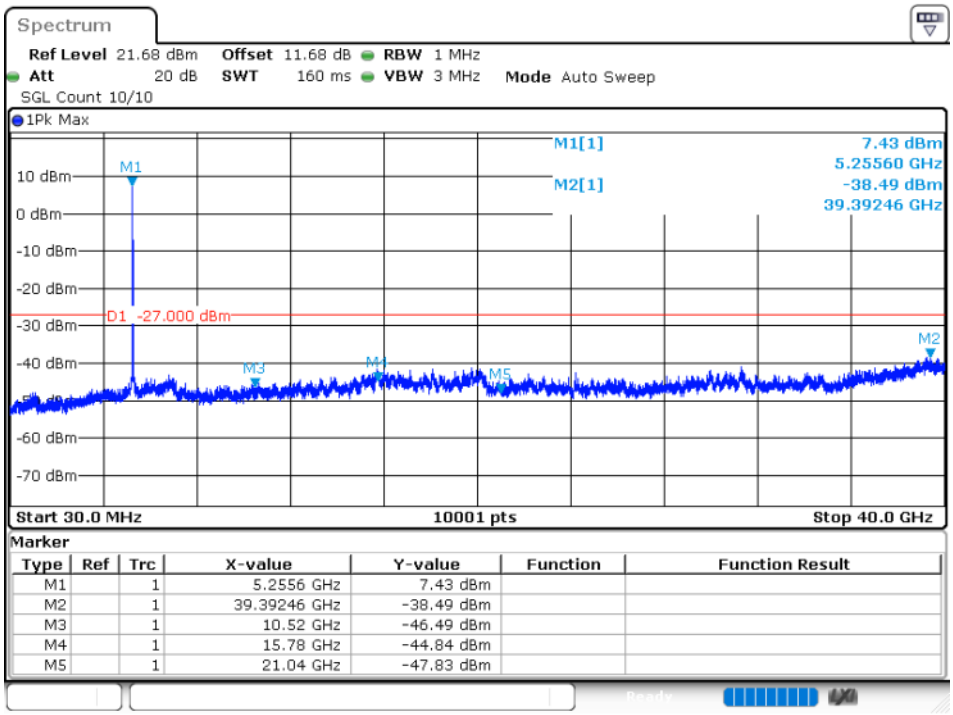
Tx. Spurious NVNT 802.11a 5280MHz Ant1 Emission



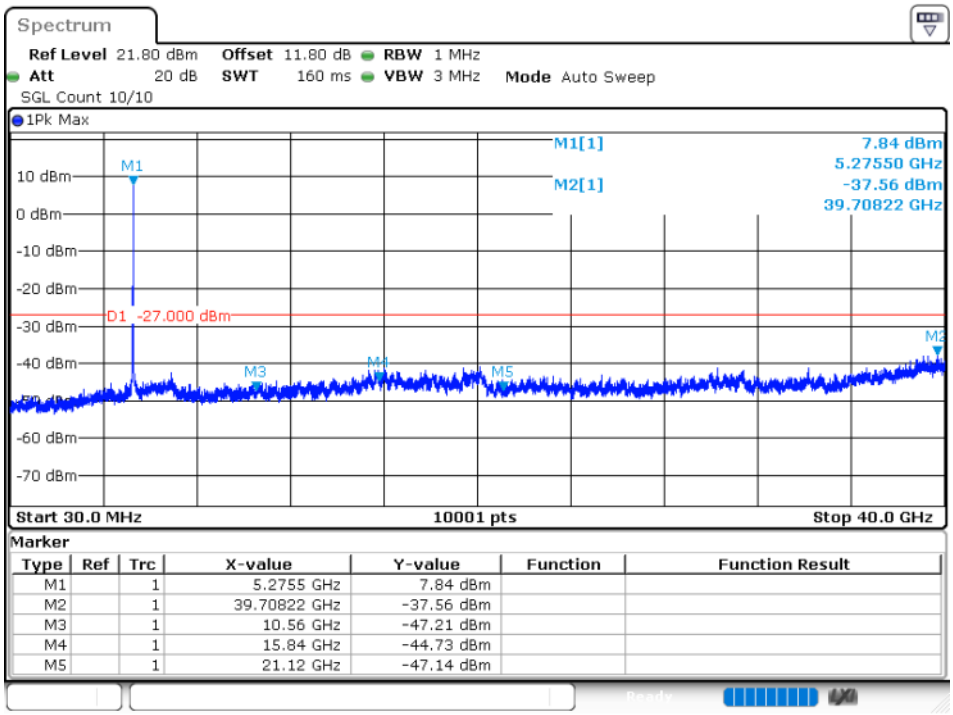
Tx. Spurious NVNT 802.11a 5320MHz Ant1 Emission



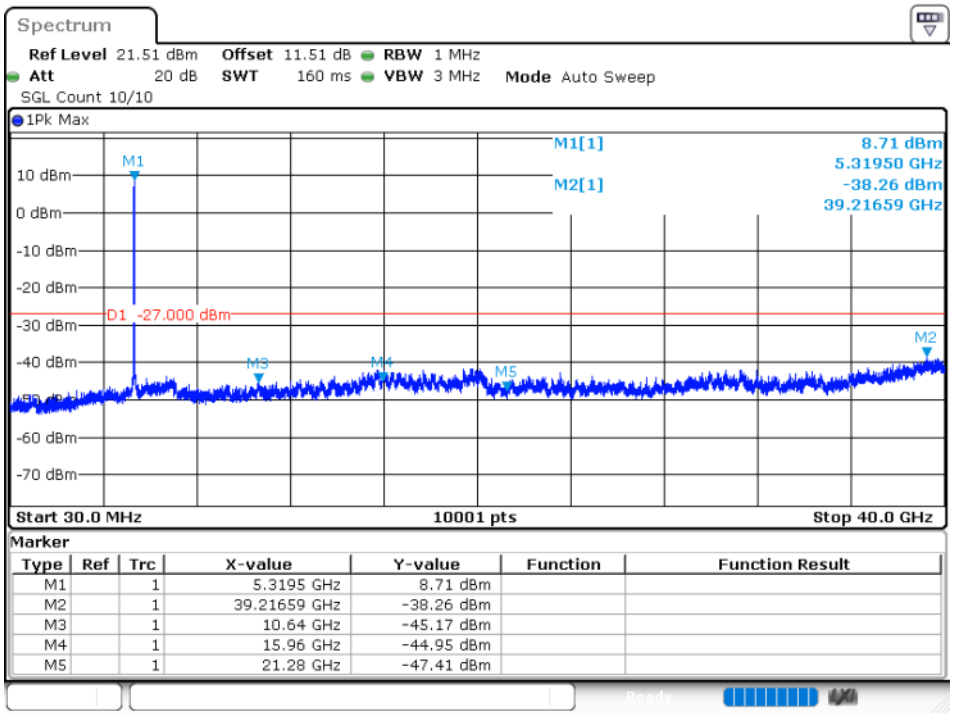
Tx. Spurious NVNT 802.11n(HT20) 5260MHz Ant1 Emission



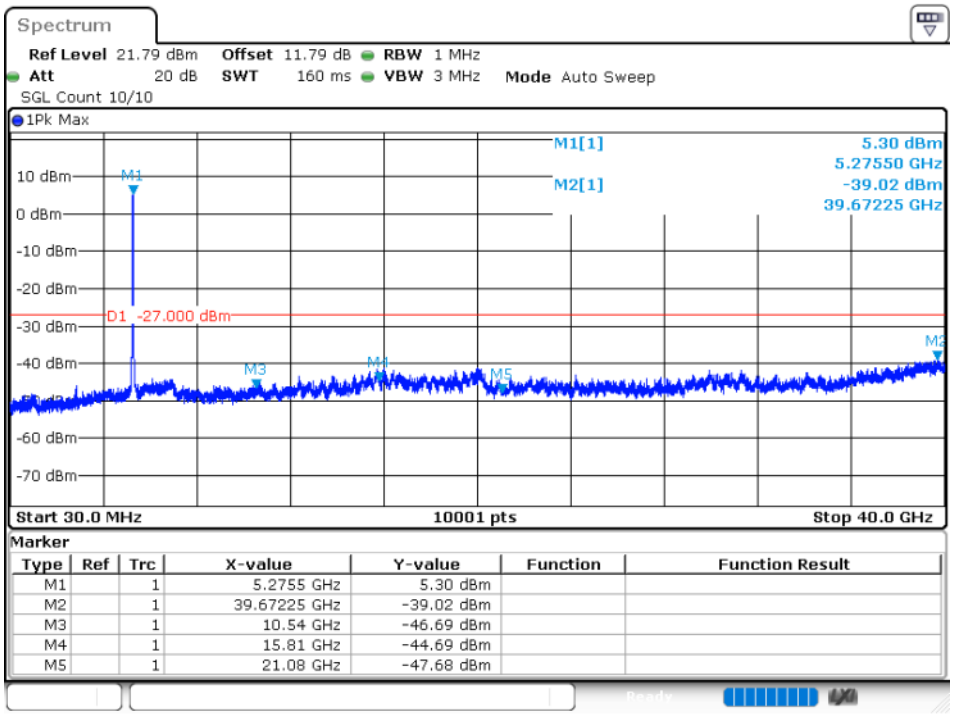
Tx. Spurious NVNT 802.11n(HT20) 5280MHz Ant1 Emission



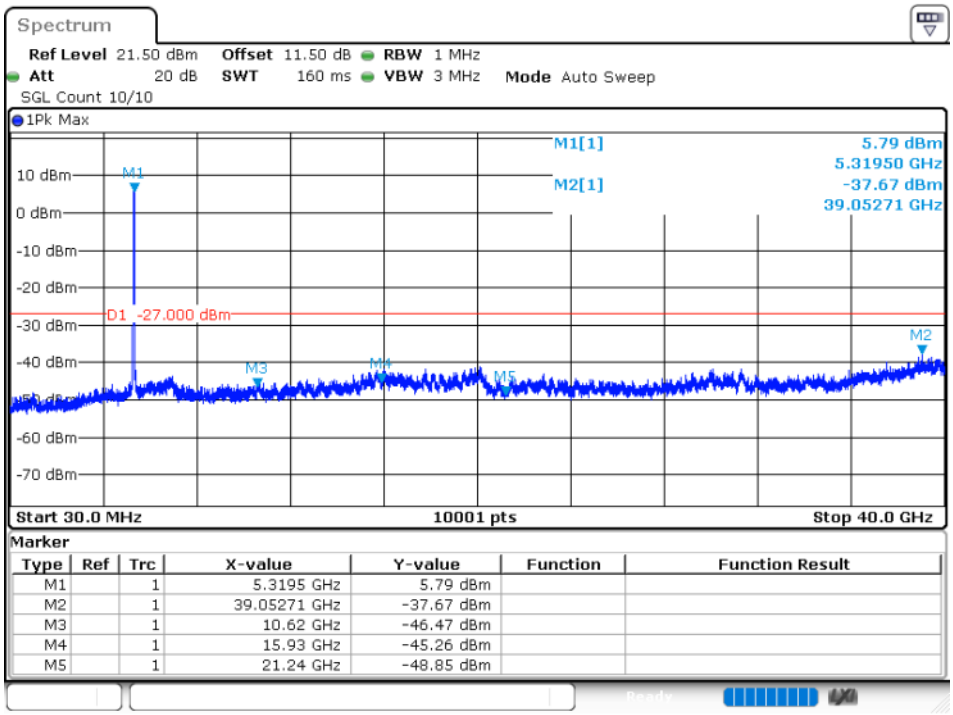
Tx. Spurious NVNT 802.11n(HT20) 5320MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5270MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5310MHz Ant1 Emission



Marker

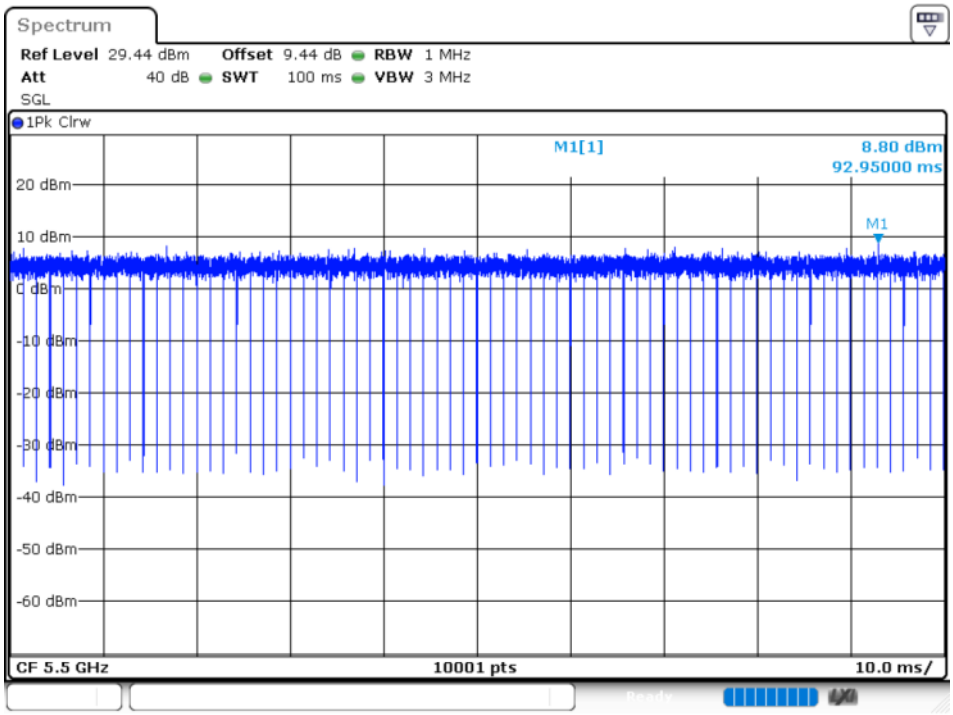
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.3195 GHz	5.79 dBm		
M2		1	39.05271 GHz	-37.67 dBm		
M3		1	10.62 GHz	-46.47 dBm		
M4		1	15.93 GHz	-45.26 dBm		
M5		1	21.24 GHz	-48.85 dBm		

5.6G

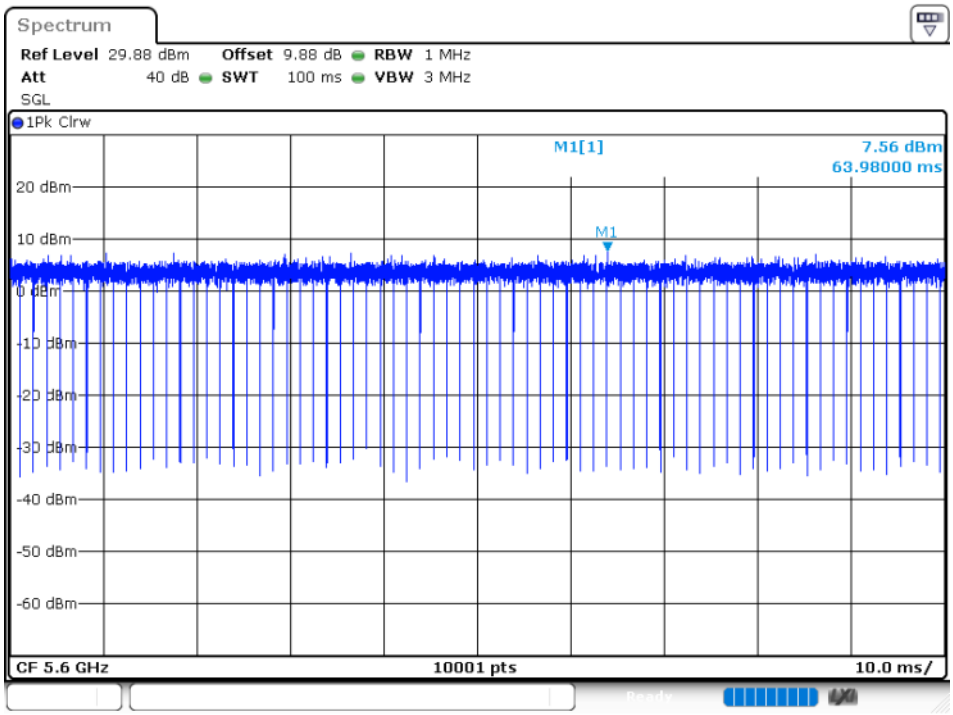
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)
NVNT	802.11a	5500	100
NVNT	802.11a	5600	100
NVNT	802.11a	5700	100
NVNT	802.11n(HT20)	5500	100
NVNT	802.11n(HT20)	5600	100
NVNT	802.11n(HT20)	5700	100
NVNT	802.11n(HT40)	5510	100
NVNT	802.11n(HT40)	5590	100
NVNT	802.11n(HT40)	5670	100

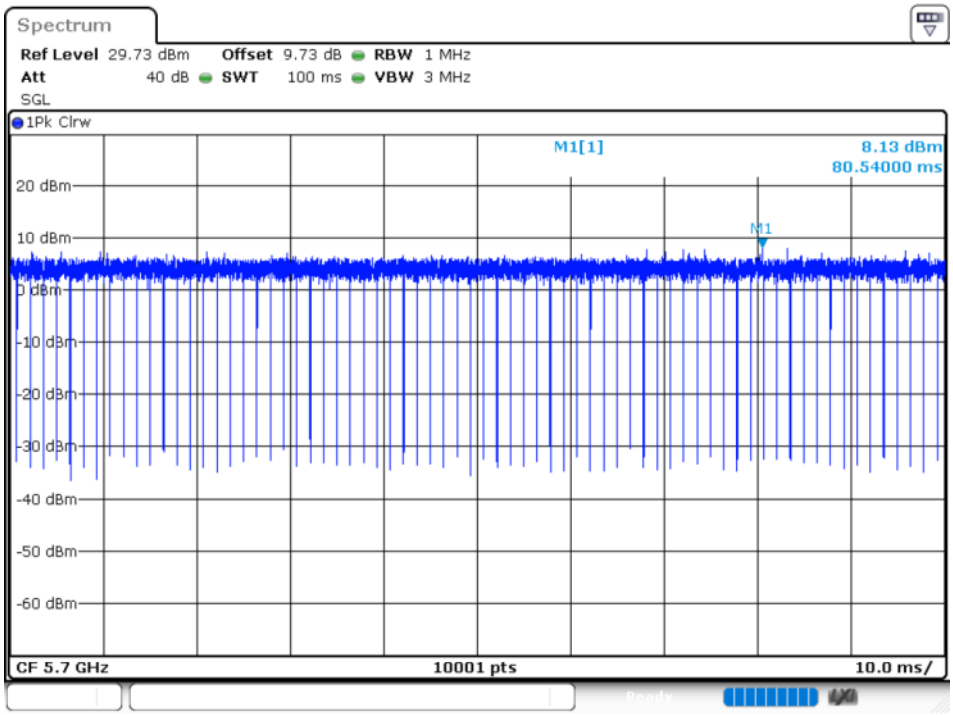
Duty Cycle NVNT 802.11a 5500MHz



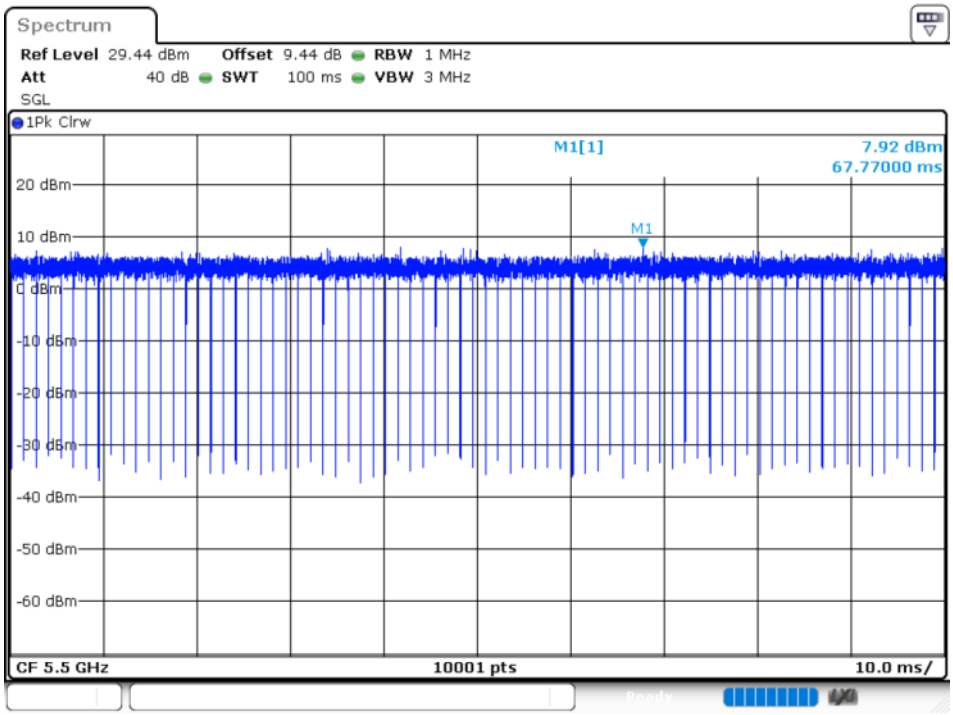
Duty Cycle NVNT 802.11a 5600MHz



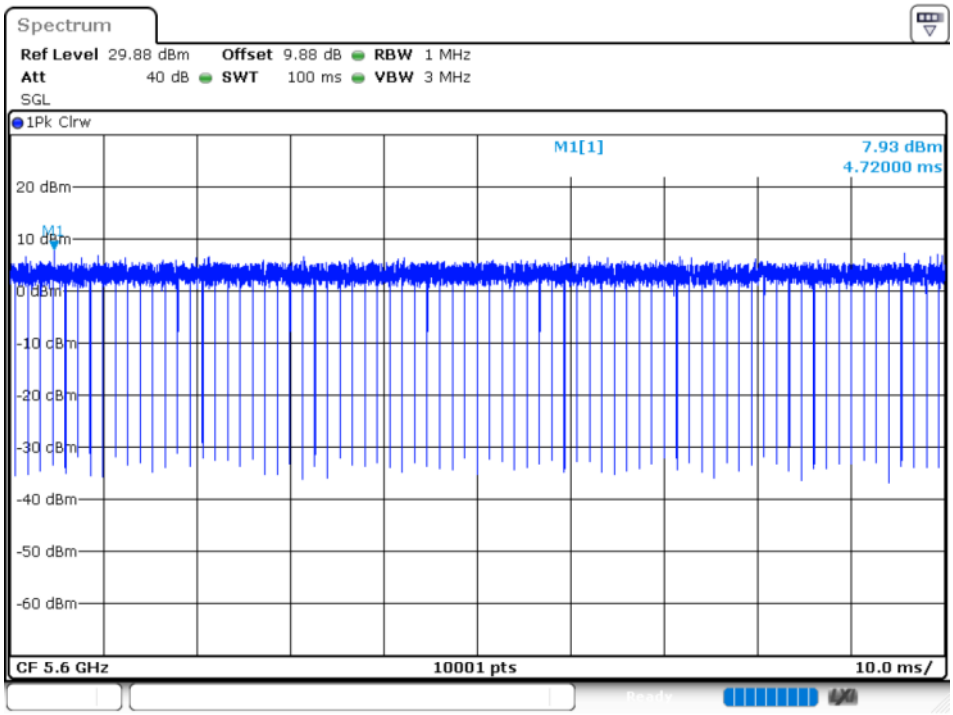
Duty Cycle NVNT 802.11a 5700MHz



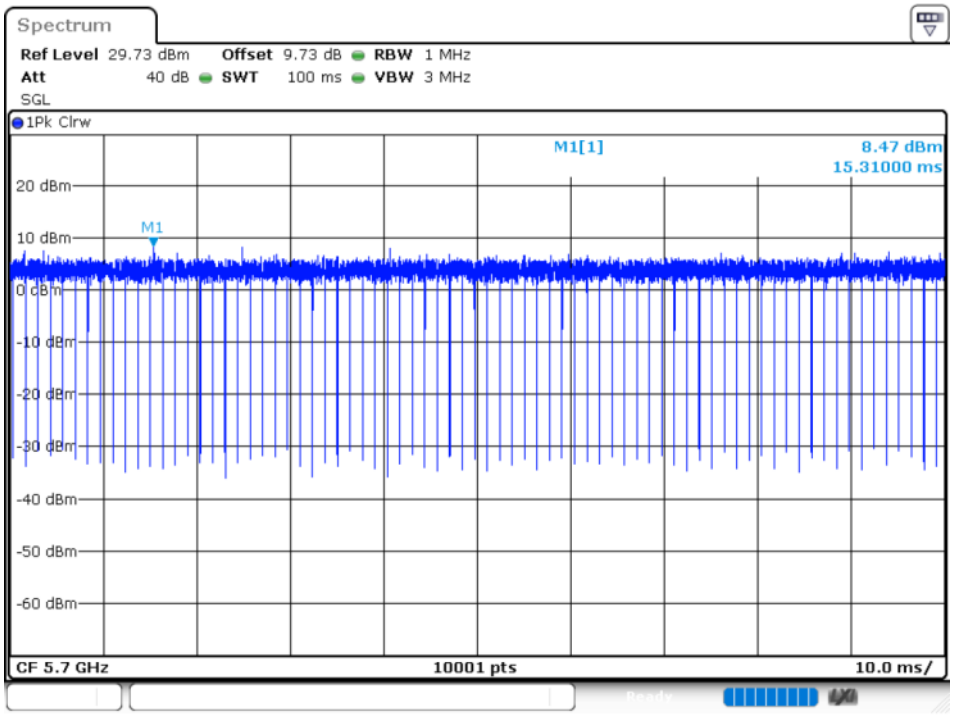
Duty Cycle NVNT 802.11n(HT20) 5500MHz



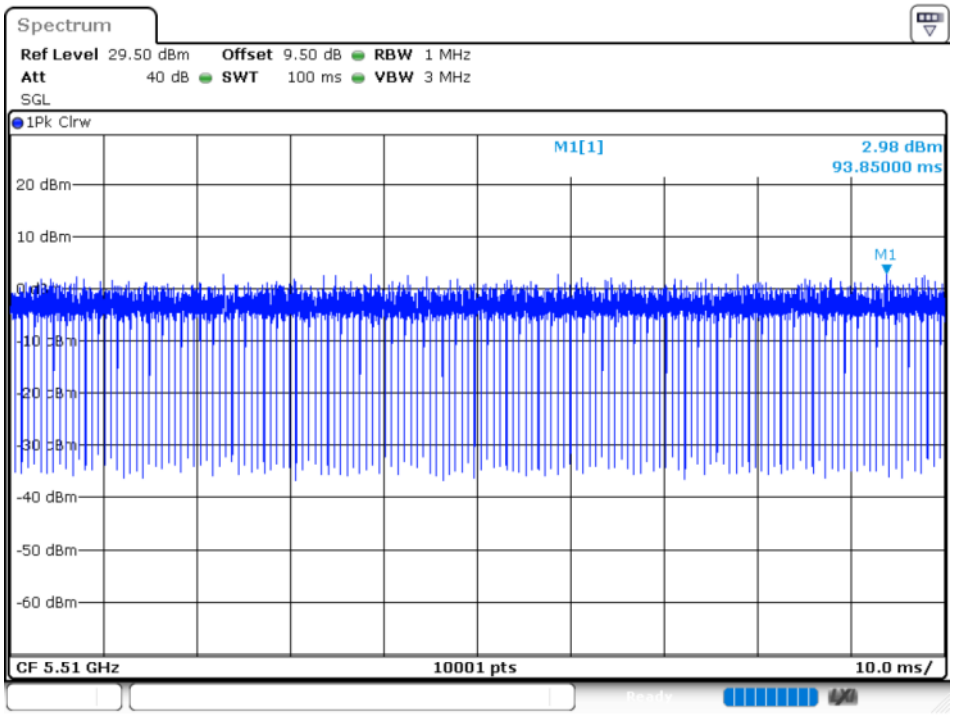
Duty Cycle NVNT 802.11n(HT20) 5600MHz



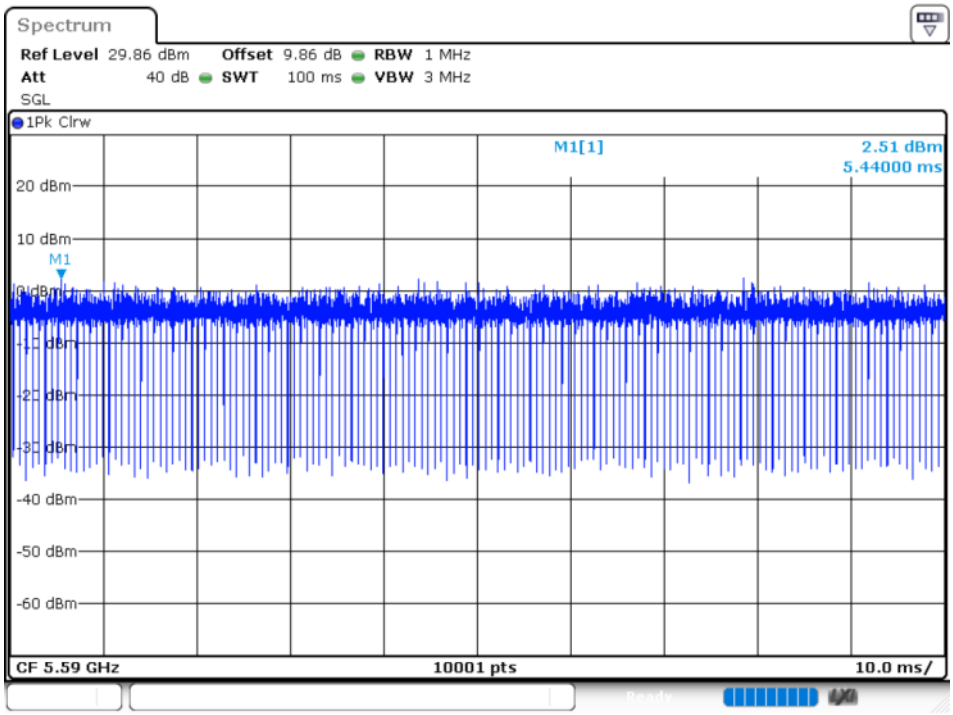
Duty Cycle NVNT 802.11n(HT20) 5700MHz



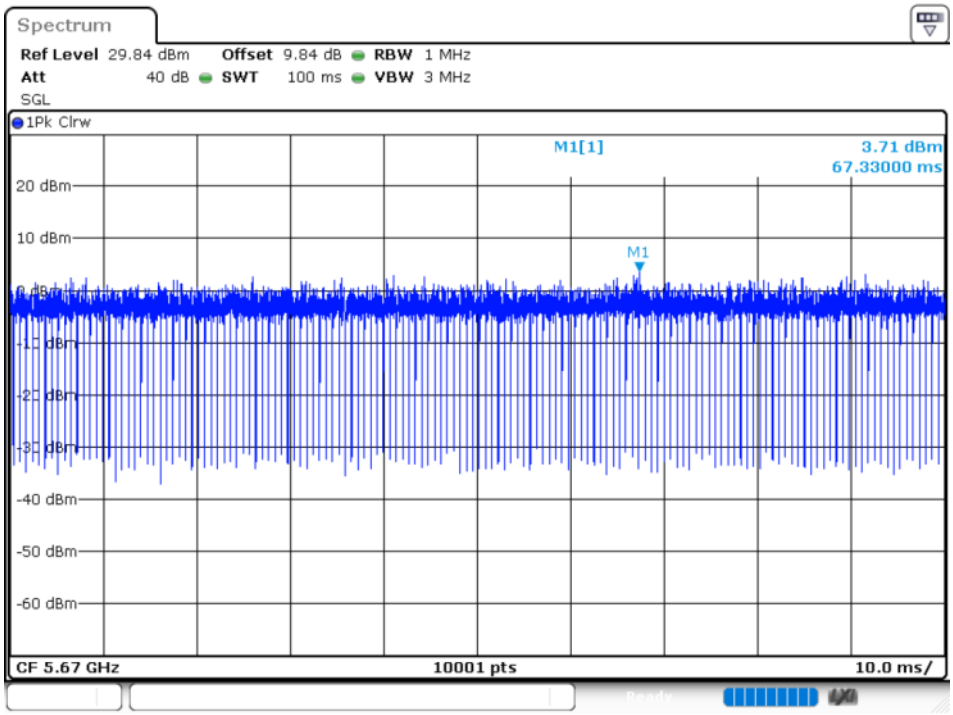
Duty Cycle NVNT 802.11n(HT40) 5510MHz



Duty Cycle NVNT 802.11n(HT40) 5590MHz



Duty Cycle NVNT 802.11n(HT40) 5670MHz



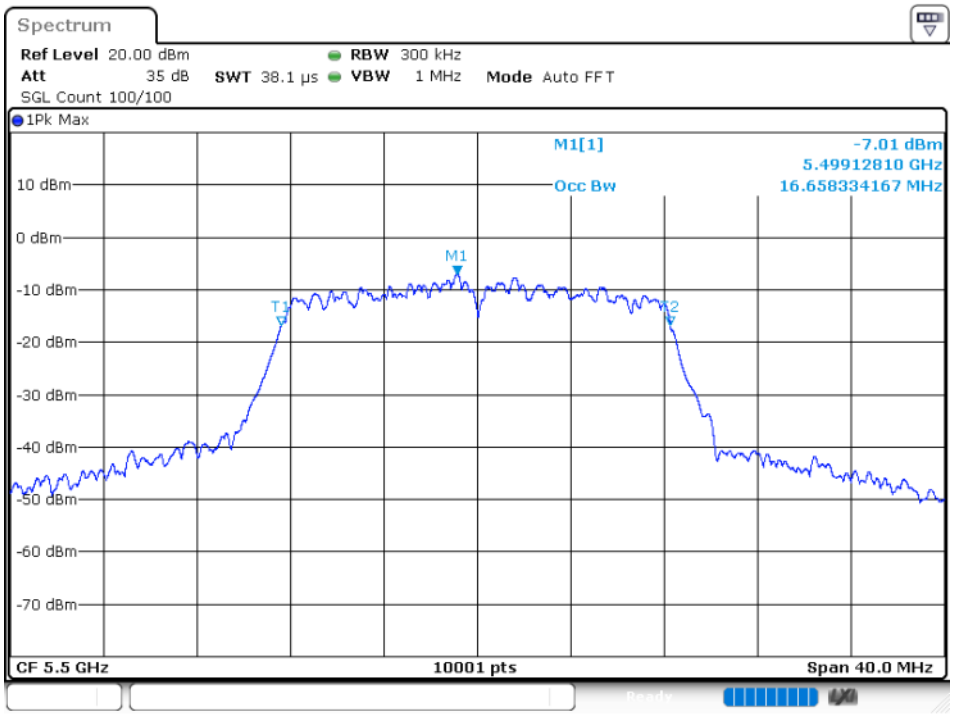
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	9.81	23.68	Pass
NVNT	802.11a	5600	Ant 1	8.99	23.68	Pass
NVNT	802.11a	5700	Ant 1	9.49	23.68	Pass
NVNT	802.11n(HT20)	5500	Ant 1	9.82	23.85	Pass
NVNT	802.11n(HT20)	5600	Ant 1	9.07	23.85	Pass
NVNT	802.11n(HT20)	5700	Ant 1	9.57	23.85	Pass
NVNT	802.11n(HT40)	5510	Ant 1	9.35	24	Pass
NVNT	802.11n(HT40)	5590	Ant 1	8.99	24	Pass
NVNT	802.11n(HT40)	5670	Ant 1	9.85	24	Pass

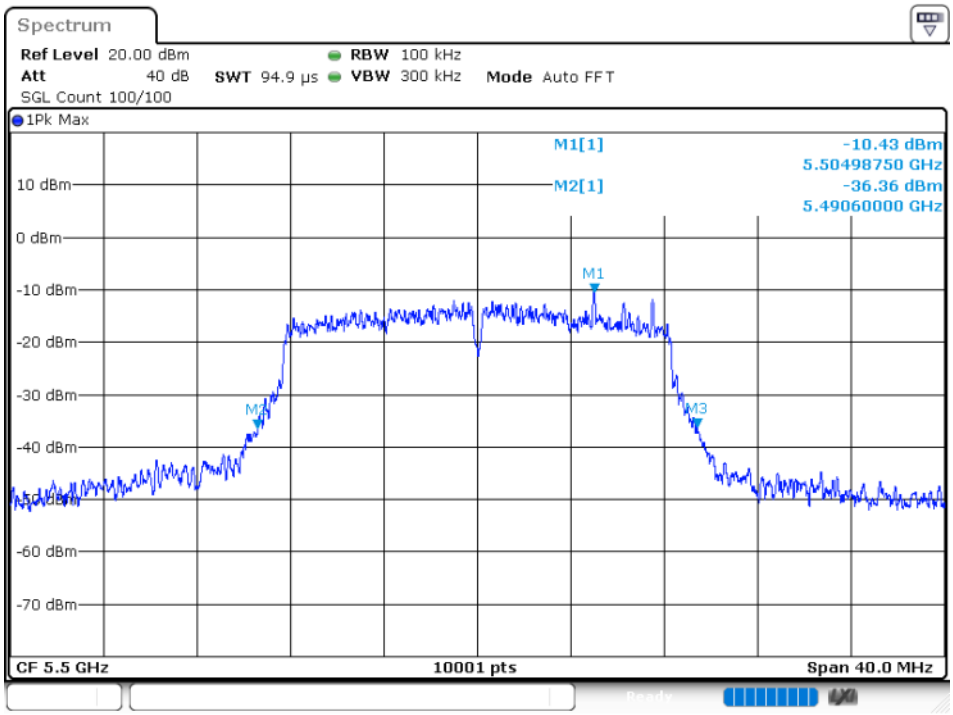
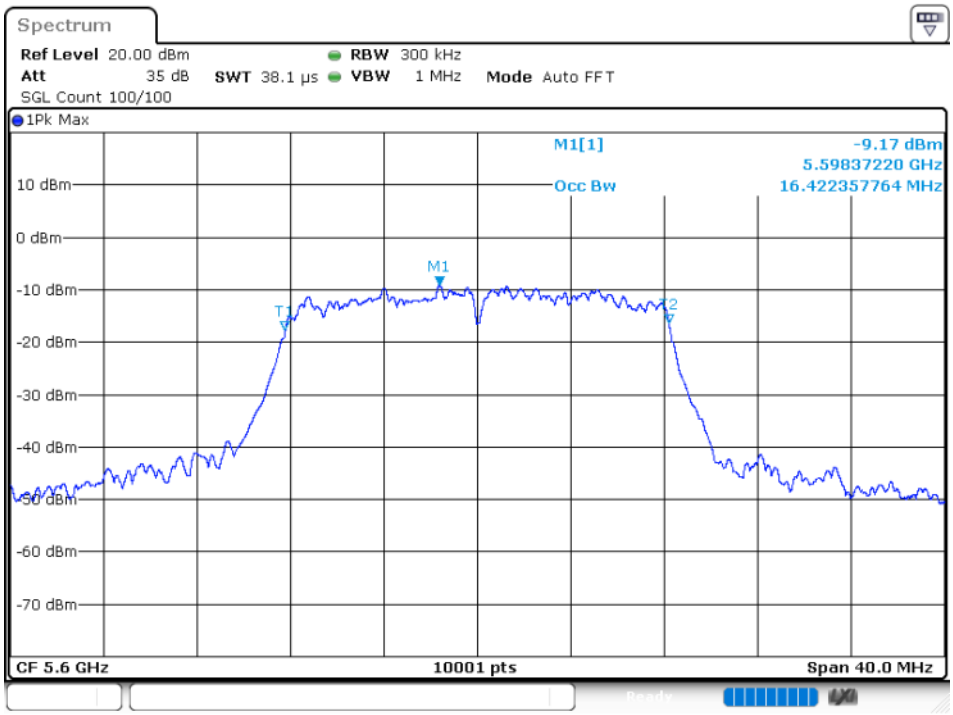
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5500	Ant 1	16.6583	18.82	N/A	Pass
NVNT	802.11a	5600	Ant 1	16.4224	18.688	N/A	Pass
NVNT	802.11a	5700	Ant 1	16.5863	18.552	N/A	Pass
NVNT	802.11n(HT20)	5500	Ant 1	17.6062	19.352	N/A	Pass
NVNT	802.11n(HT20)	5600	Ant 1	17.6222	19.688	N/A	Pass
NVNT	802.11n(HT20)	5700	Ant 1	17.6062	19.292	N/A	Pass
NVNT	802.11n(HT40)	5510	Ant 1	35.9484	38.672	N/A	Pass
NVNT	802.11n(HT40)	5590	Ant 1	35.9724	38.328	N/A	Pass
NVNT	802.11n(HT40)	5670	Ant 1	35.8764	38.208	N/A	Pass

OBW NVNT 802.11a 5500MHz Ant1



-26 dB BW NVNT 802.11a 5500MHz Ant1



OBW NVNT 802.11a 5600MHz Ant1