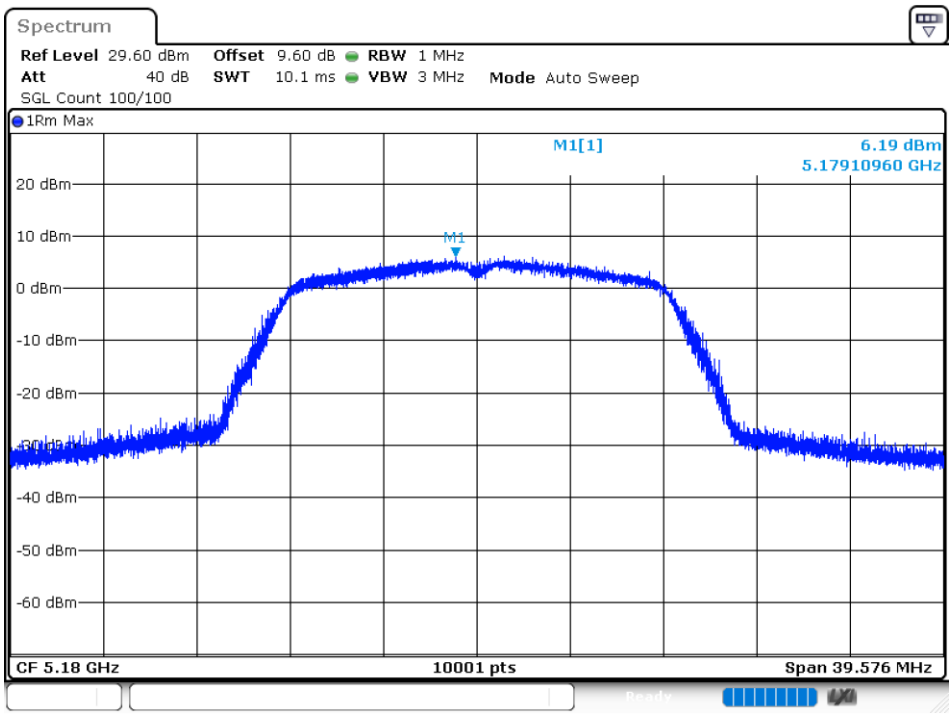
5.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

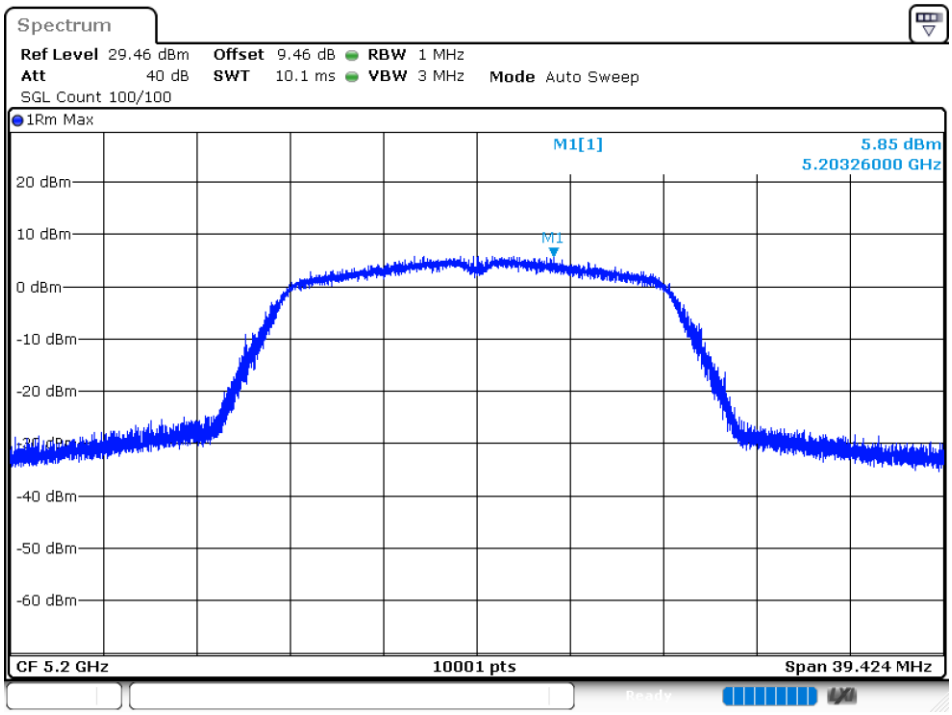
5.2G

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	6.189	11	Pass
NVNT	802.11a	5200	Ant 1	5.848	11	Pass
NVNT	802.11a	5240	Ant 1	7.138	11	Pass
NVNT	802.11ac20	5180	Ant 1	4.363	11	Pass
NVNT	802.11ac20	5200	Ant 1	4.373	11	Pass
NVNT	802.11ac20	5240	Ant 1	4.299	11	Pass
NVNT	802.11ac40	5190	Ant 1	5.271	11	Pass
NVNT	802.11ac40	5230	Ant 1	4.308	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	9.191	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	8.802	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	6.313	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	5.692	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	6.271	11	Pass

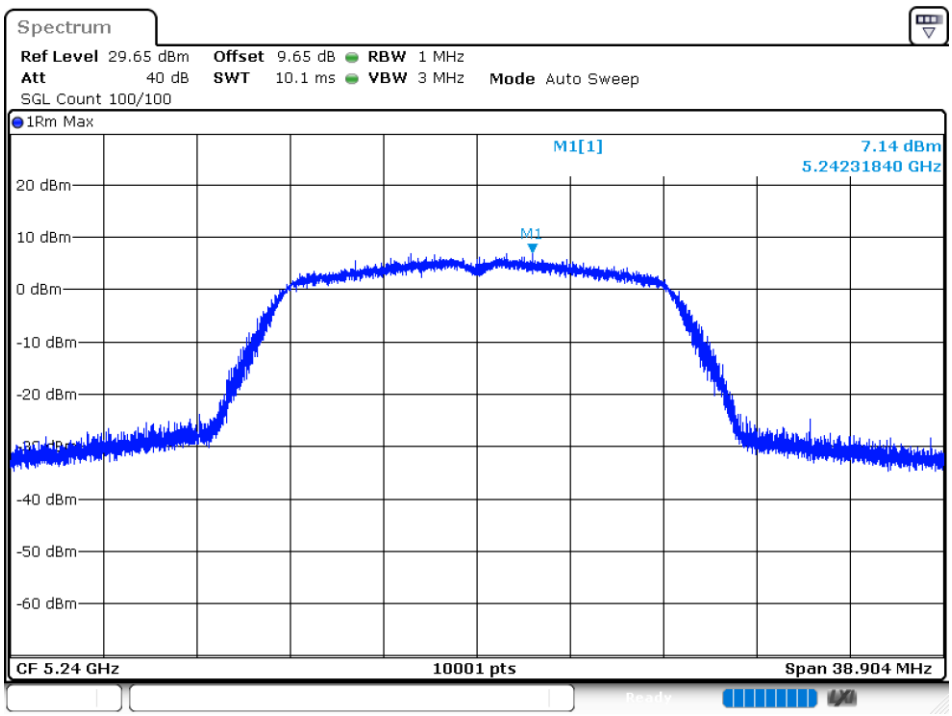
PSD NVNT 802.11a 5180MHz Ant1



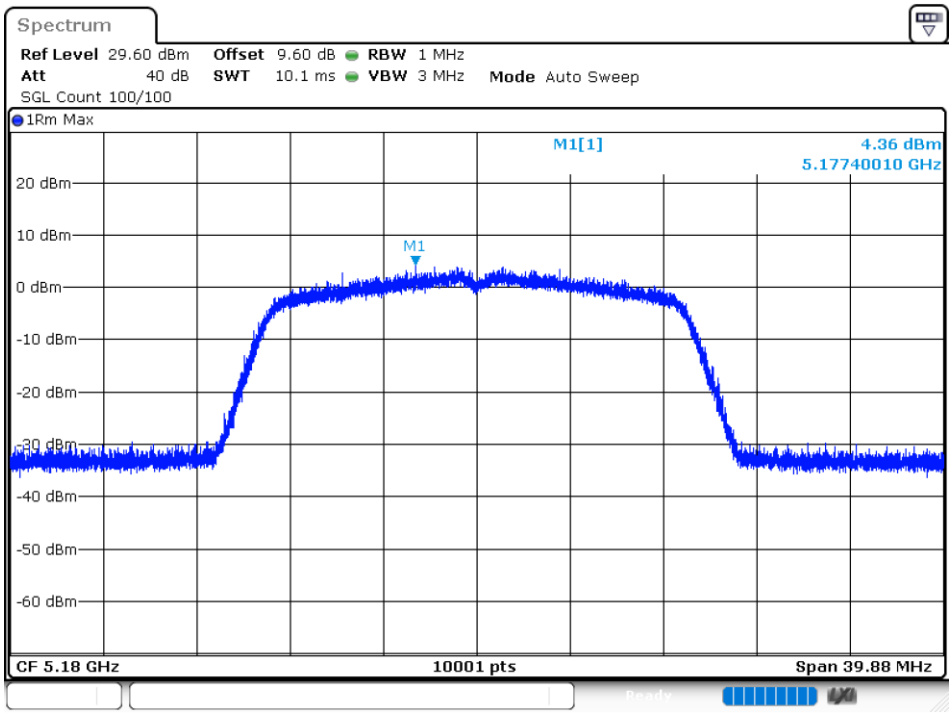
PSD NVNT 802.11a 5200MHz Ant1



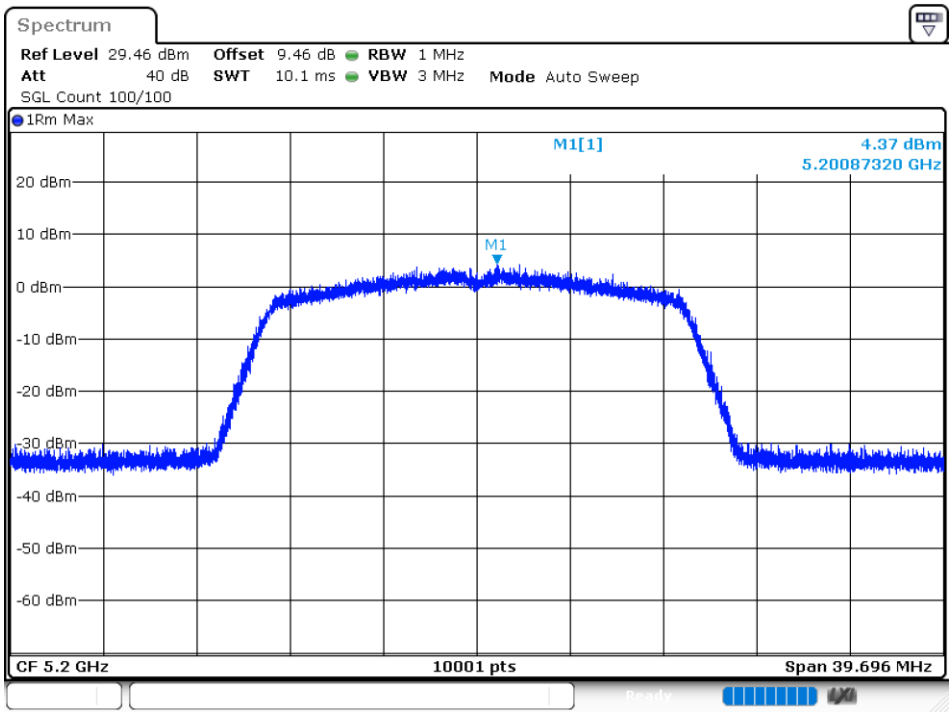
PSD NVNT 802.11a 5240MHz Ant1



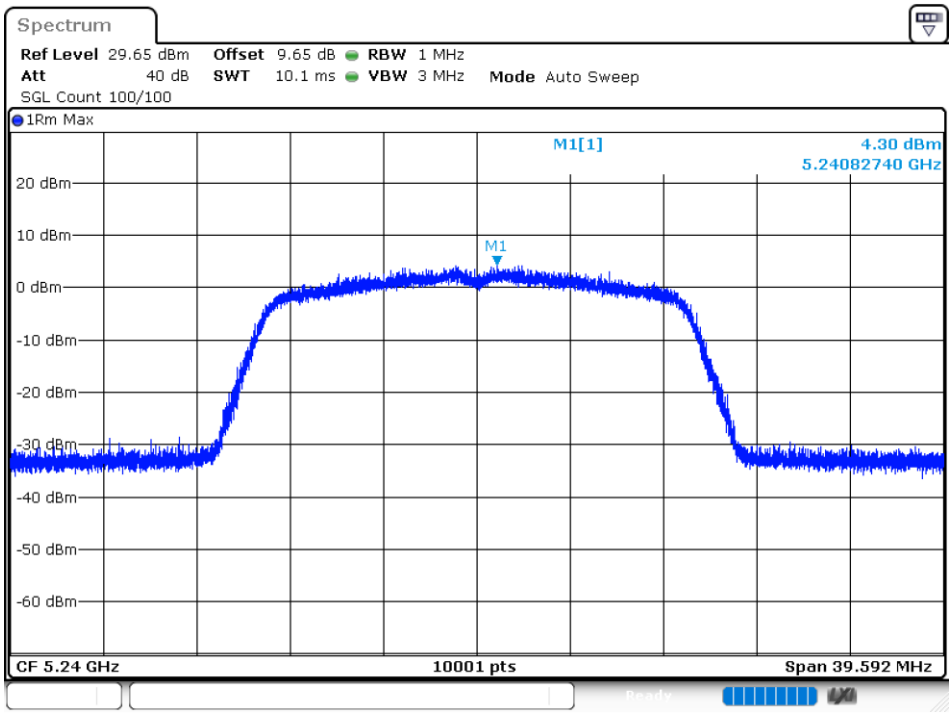
PSD NVNT 802.11ac20 5180MHz Ant1



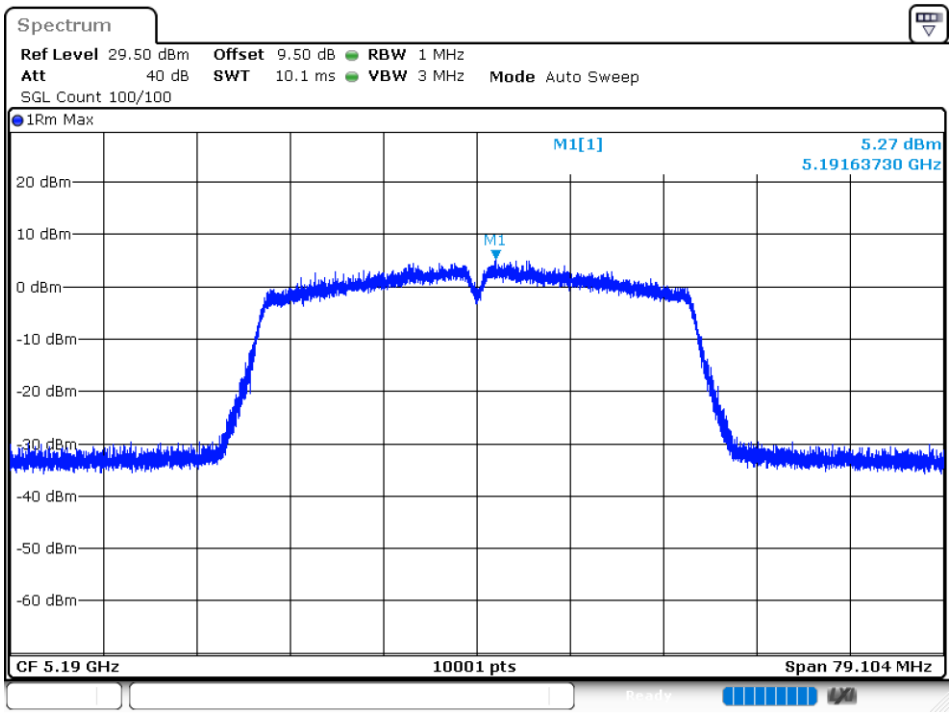
PSD NVNT 802.11ac20 5200MHz Ant1



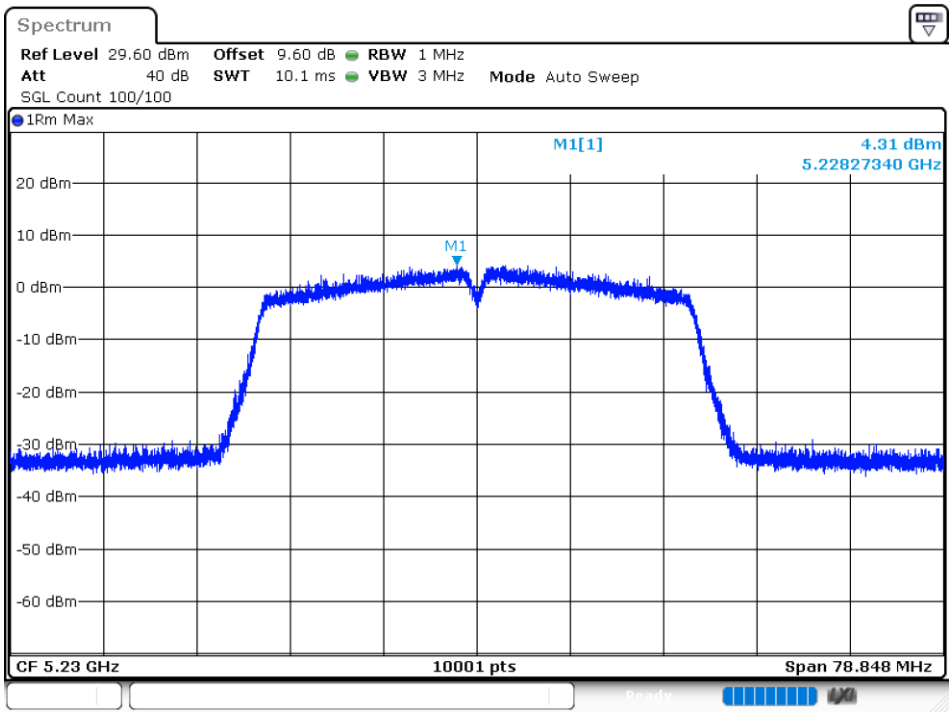
PSD NVNT 802.11ac20 5240MHz Ant1



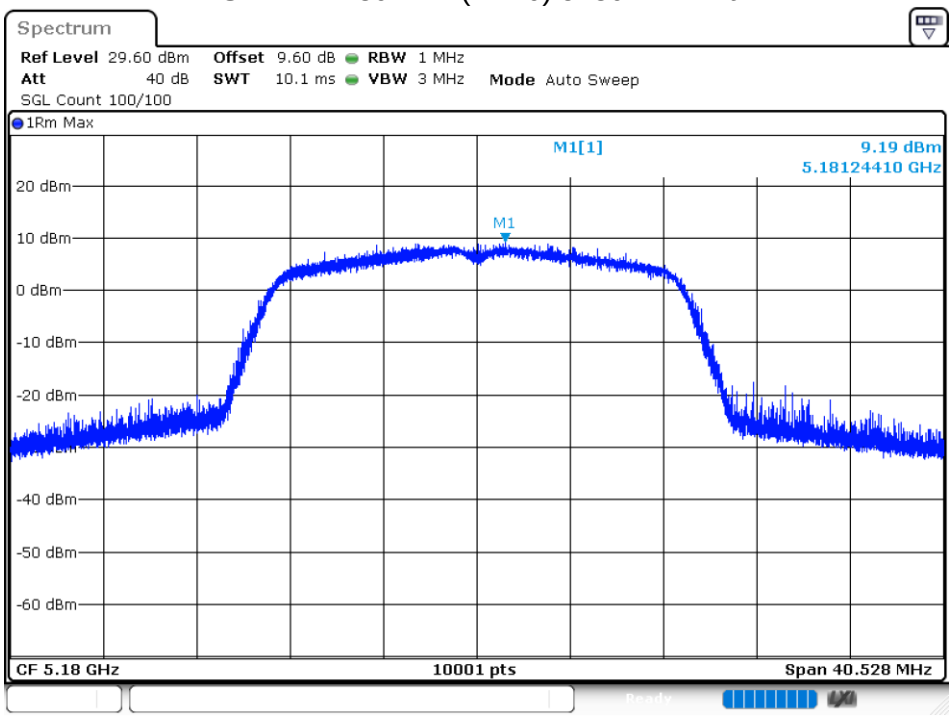
PSD NVNT 802.11ac40 5190MHz Ant1



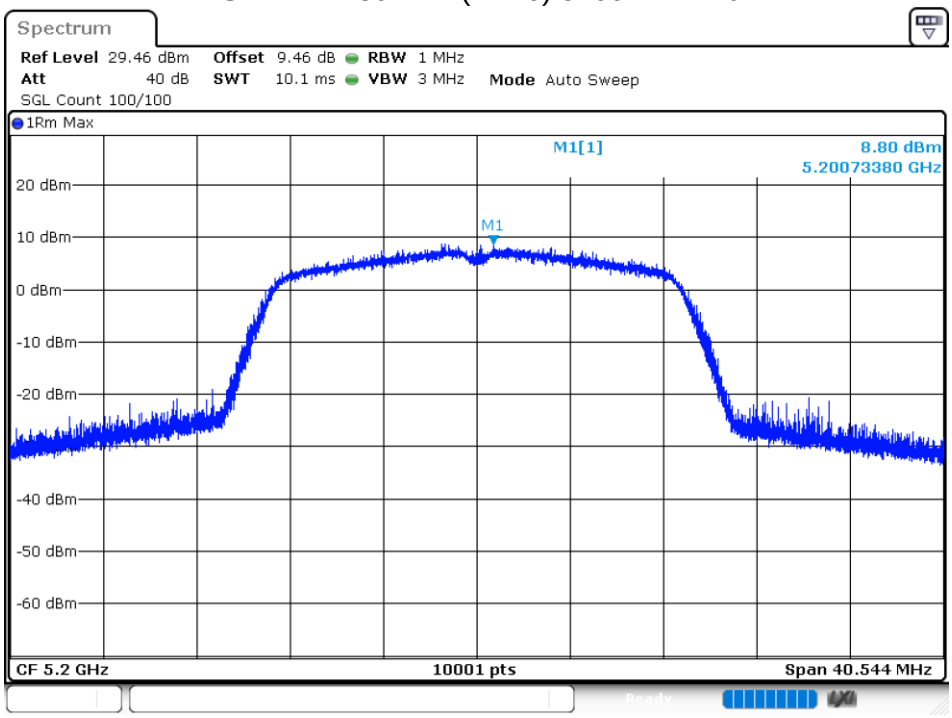
PSD NVNT 802.11ac40 5230MHz Ant1



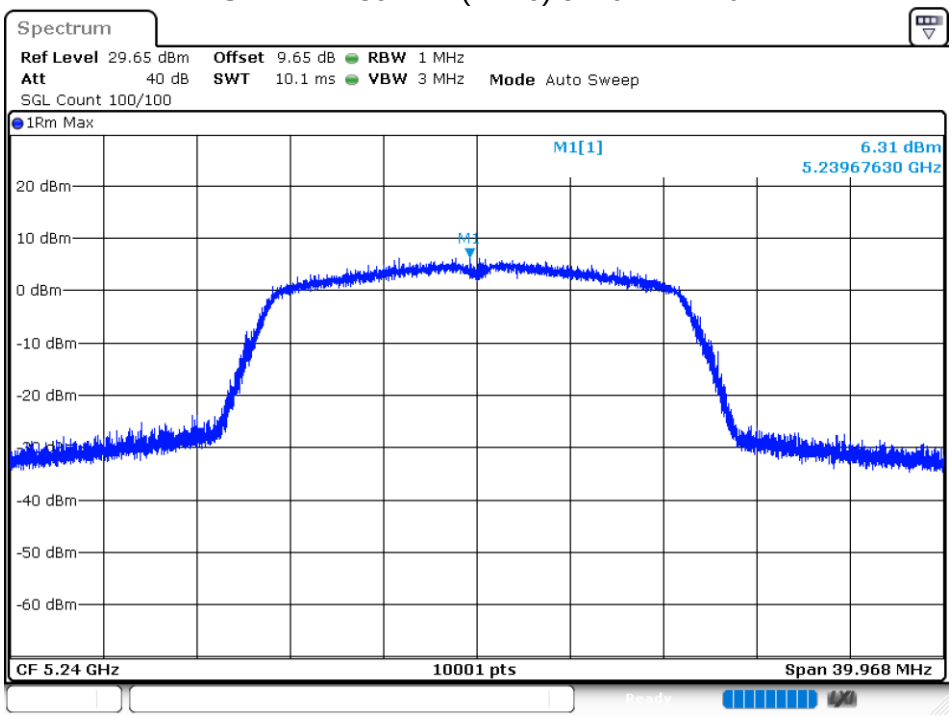
PSD NVNT 802.11n(HT20) 5180MHz Ant1



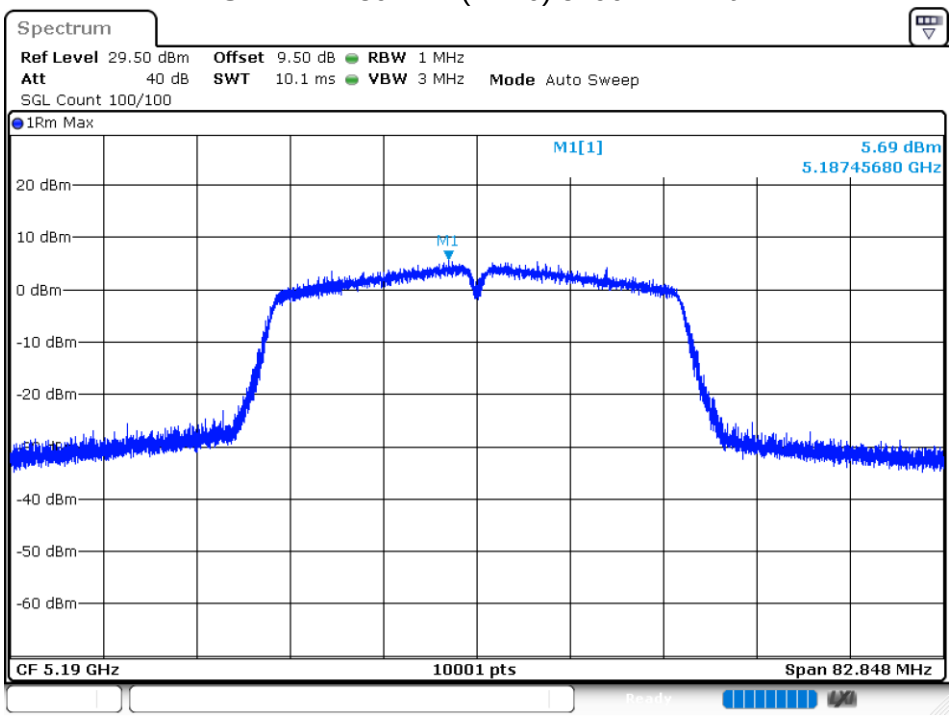
PSD NVNT 802.11n(HT20) 5200MHz Ant1



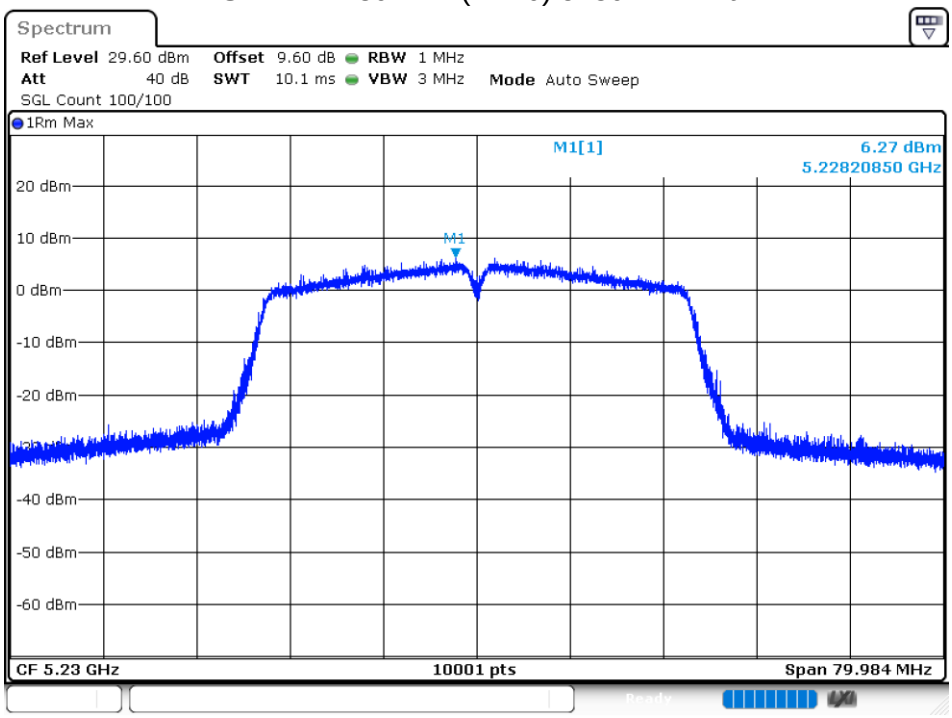
PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



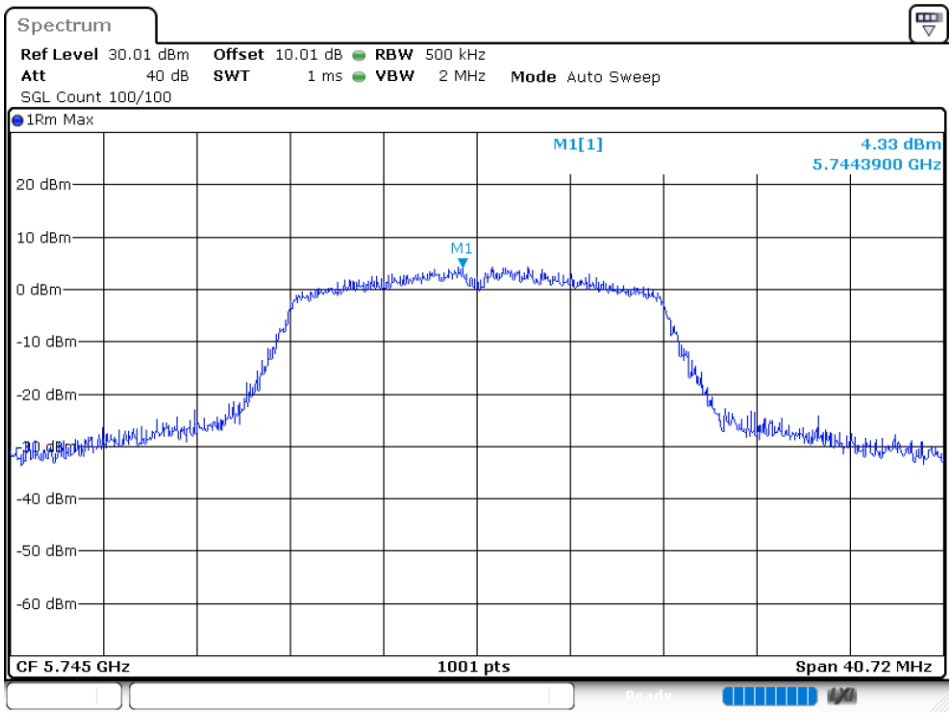
PSD NVNT 802.11n(HT40) 5230MHz Ant1



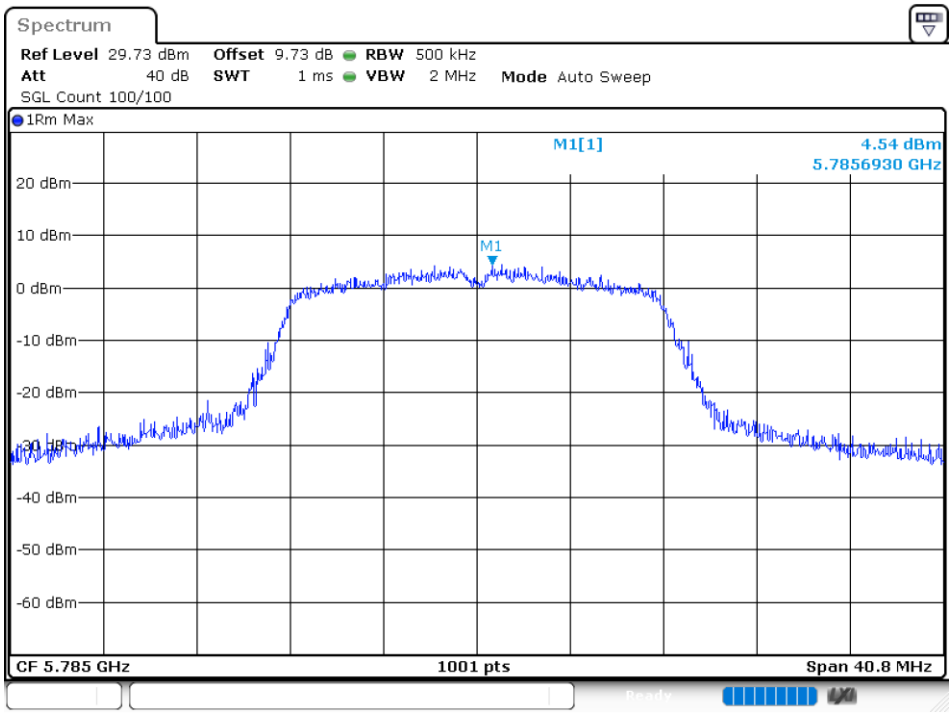
5.8G

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	4.33	30	Pass
NVNT	802.11a	5785	Ant 1	4.536	30	Pass
NVNT	802.11a	5825	Ant 1	7.029	30	Pass
NVNT	802.11ac20	5745	Ant 1	3.16	30	Pass
NVNT	802.11ac20	5785	Ant 1	2.771	30	Pass
NVNT	802.11ac20	5825	Ant 1	3.278	30	Pass
NVNT	802.11ac40	5755	Ant 1	2.641	30	Pass
NVNT	802.11ac40	5795	Ant 1	3.547	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	7.132	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	3.708	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	3.448	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	4.038	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	4.301	30	Pass

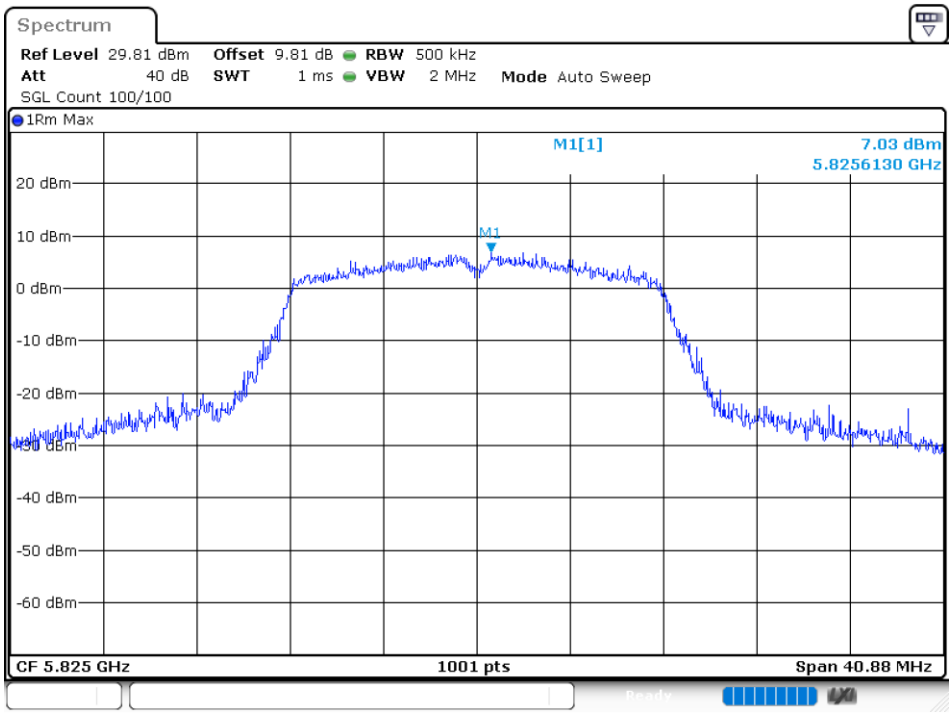
PSD NVNT 802.11a 5745MHz Ant1



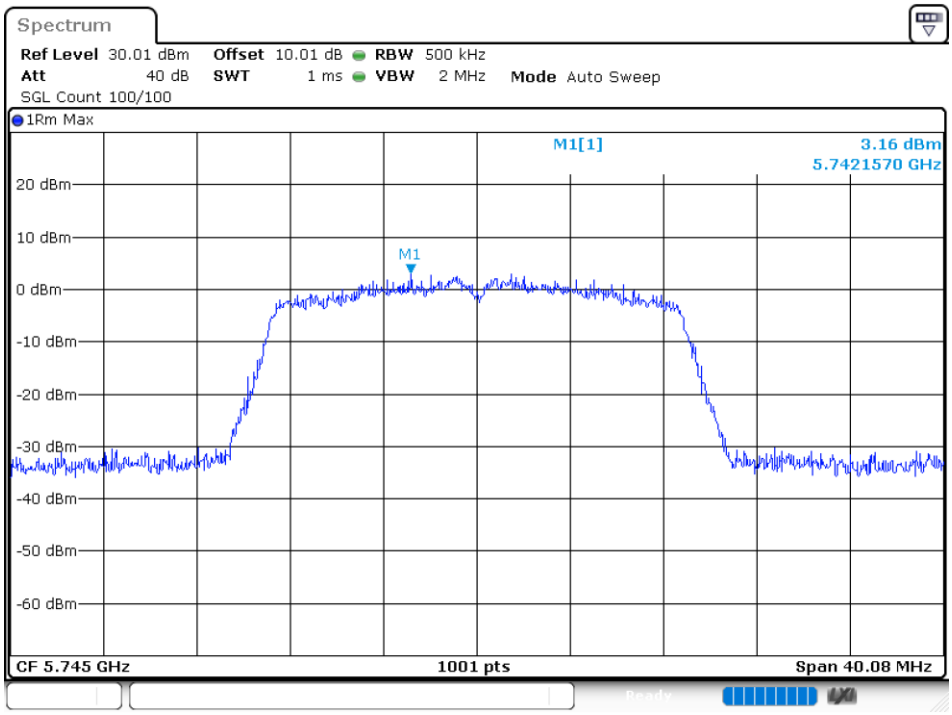
PSD NVNT 802.11a 5785MHz Ant1



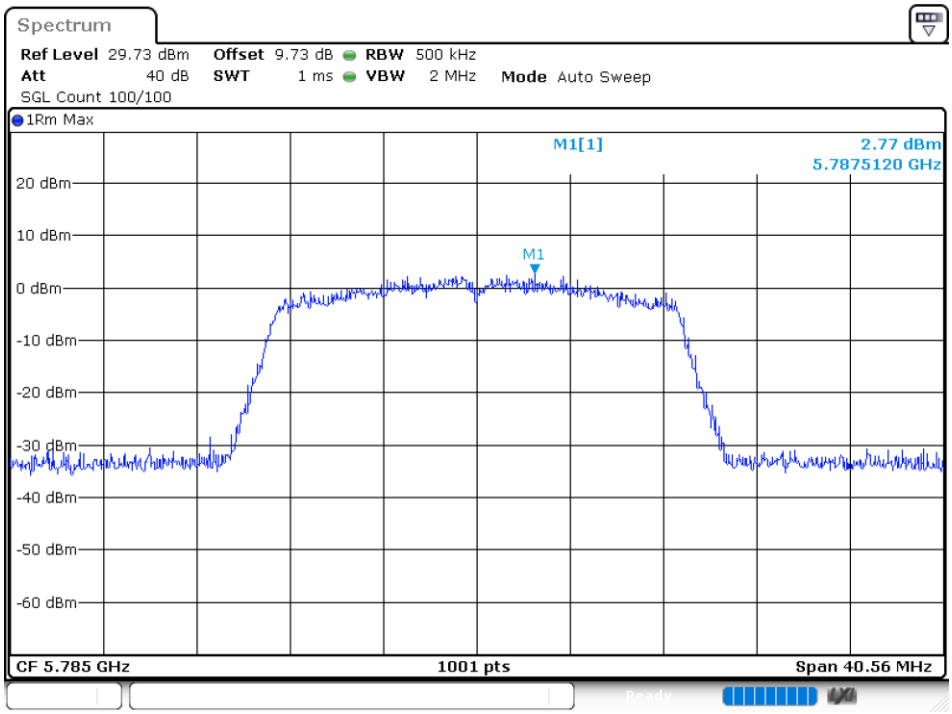
PSD NVNT 802.11a 5825MHz Ant1



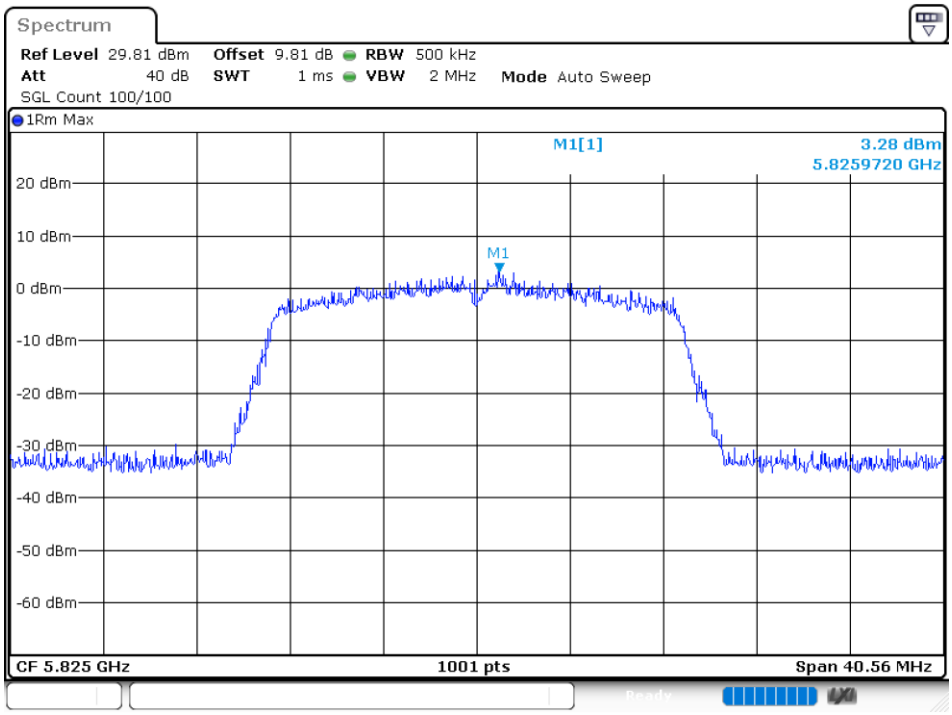
PSD NVNT 802.11ac20 5745MHz Ant1



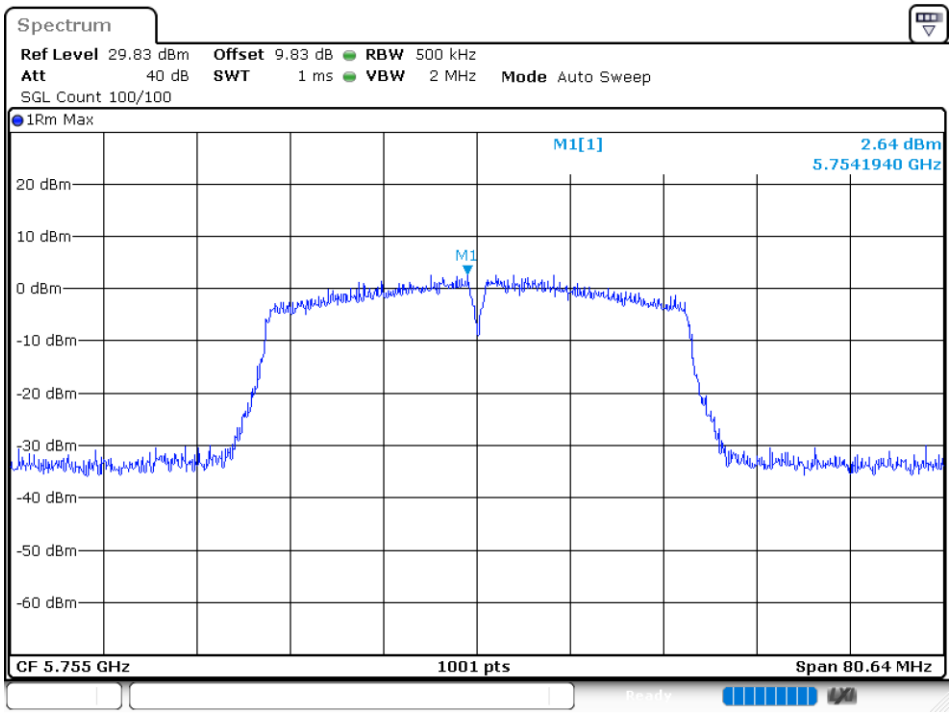
PSD NVNT 802.11ac20 5785MHz Ant1



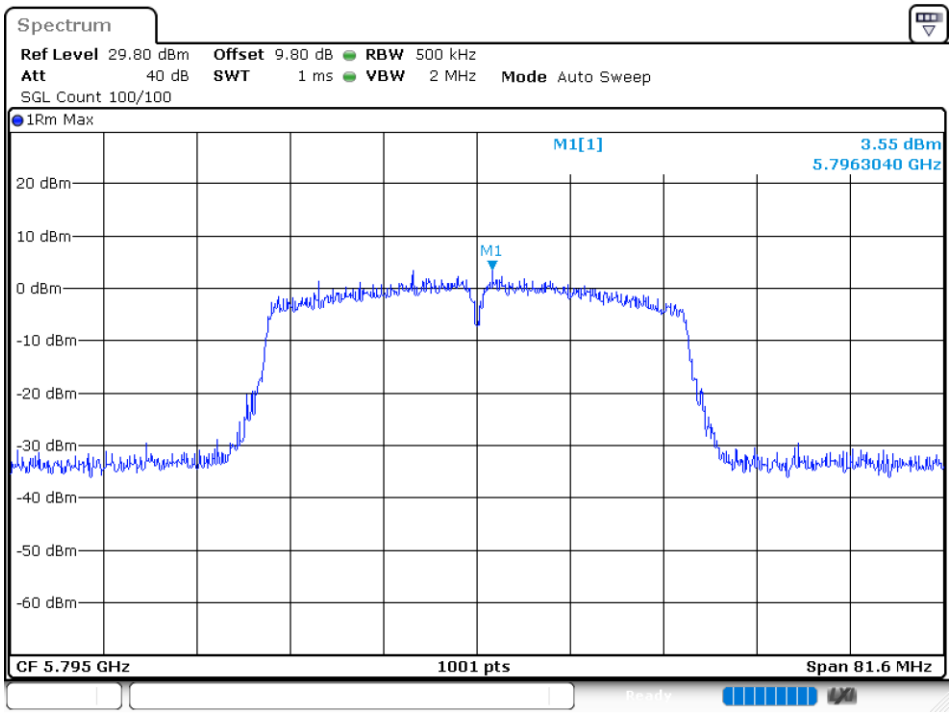
PSD NVNT 802.11ac20 5825MHz Ant1



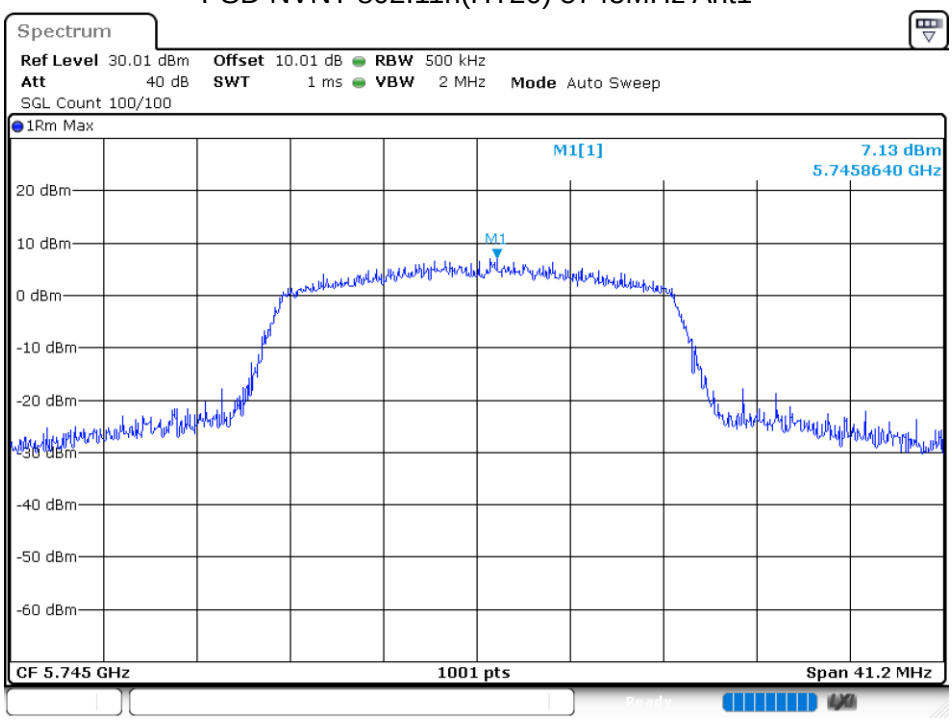
PSD NVNT 802.11ac40 5755MHz Ant1



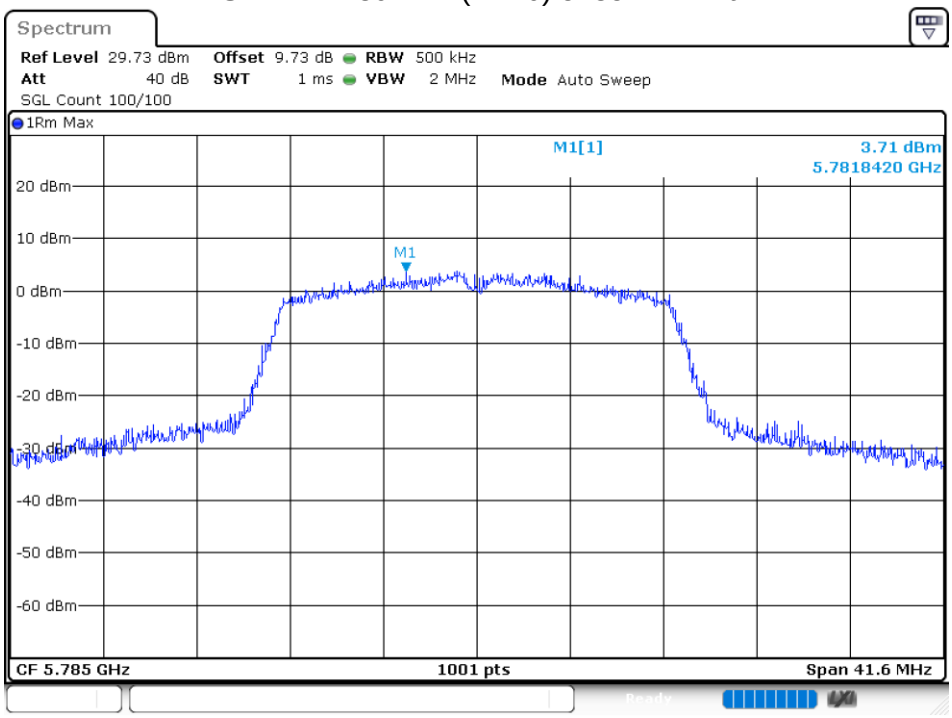
PSD NVNT 802.11ac40 5795MHz Ant1



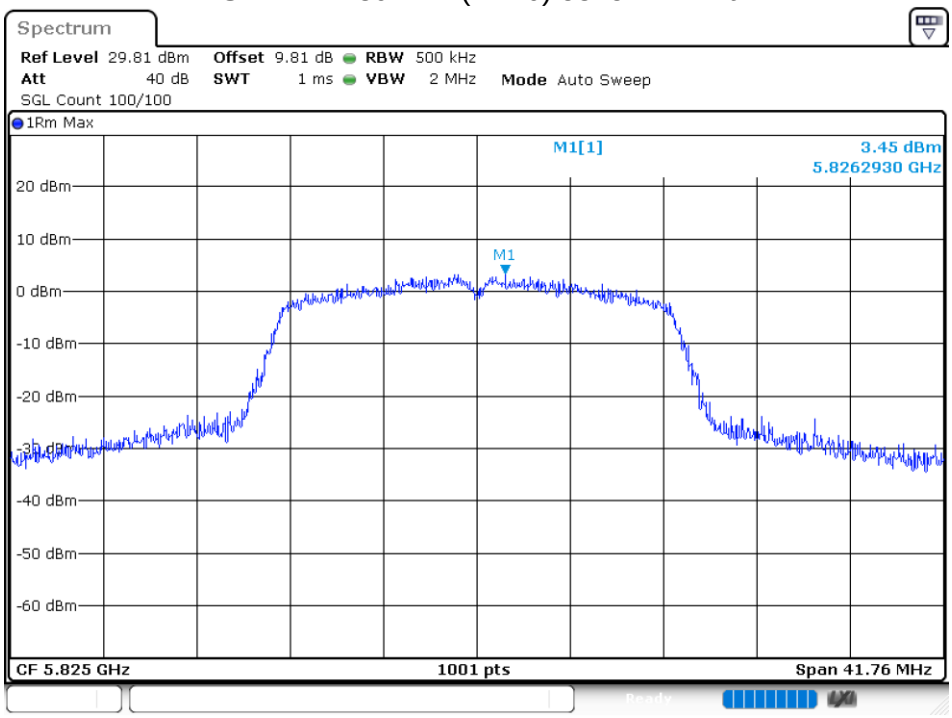
PSD NVNT 802.11n(HT20) 5745MHz Ant1



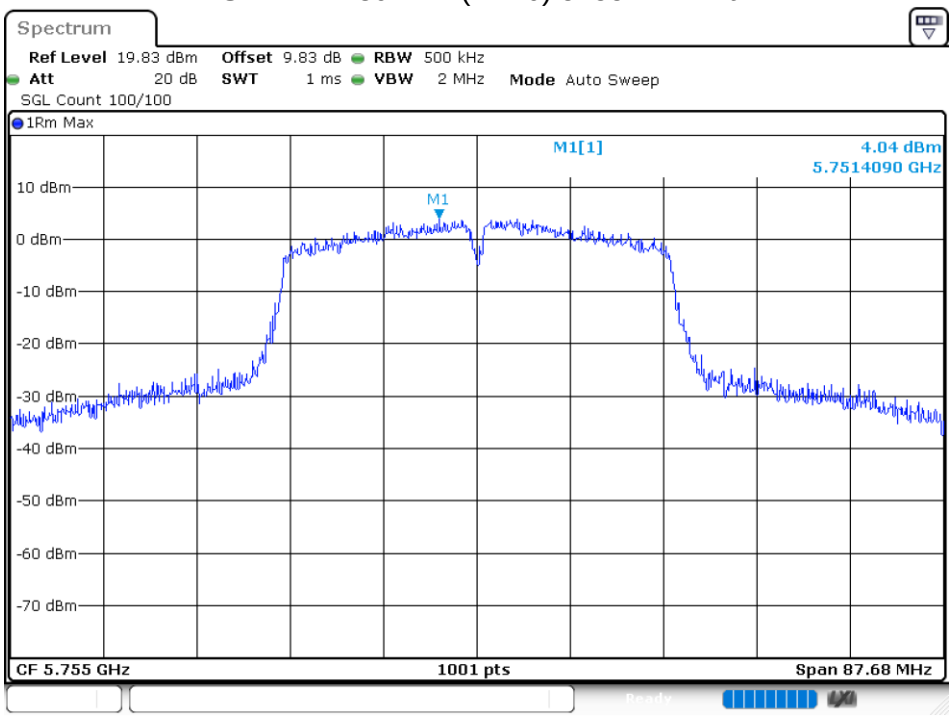
PSD NVNT 802.11n(HT20) 5785MHz Ant1



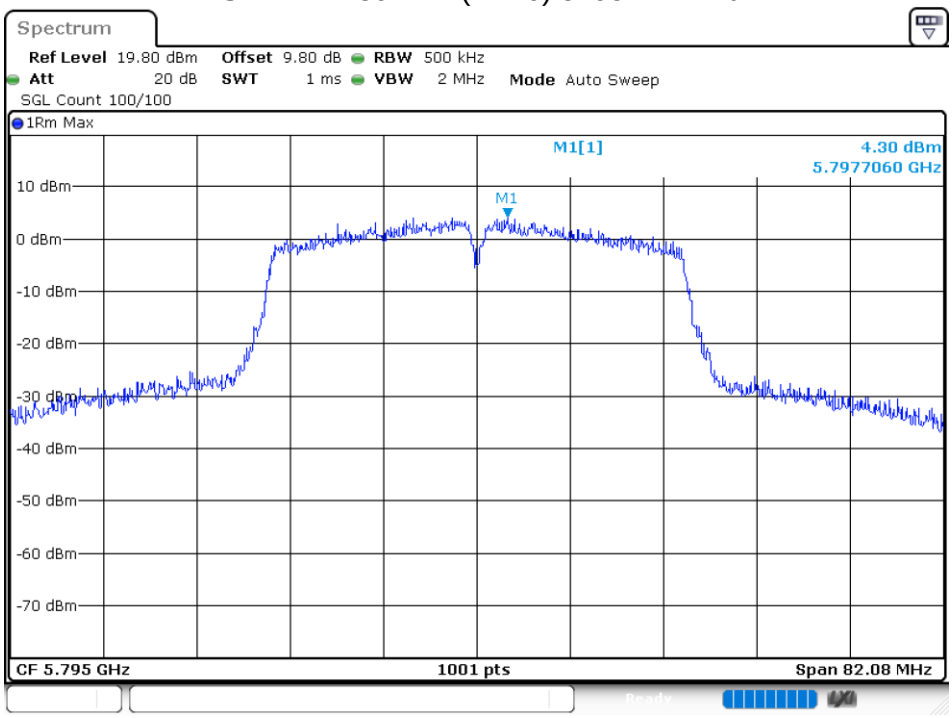
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



PSD NVNT 802.11n(HT40) 5795MHz Ant1

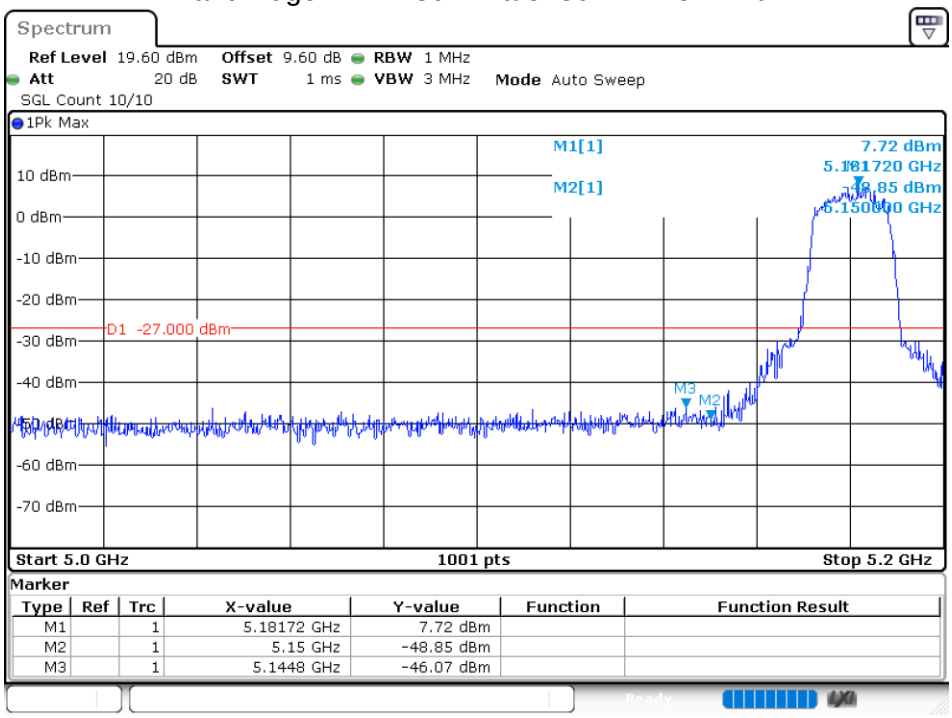


5.5 BAND EDGE

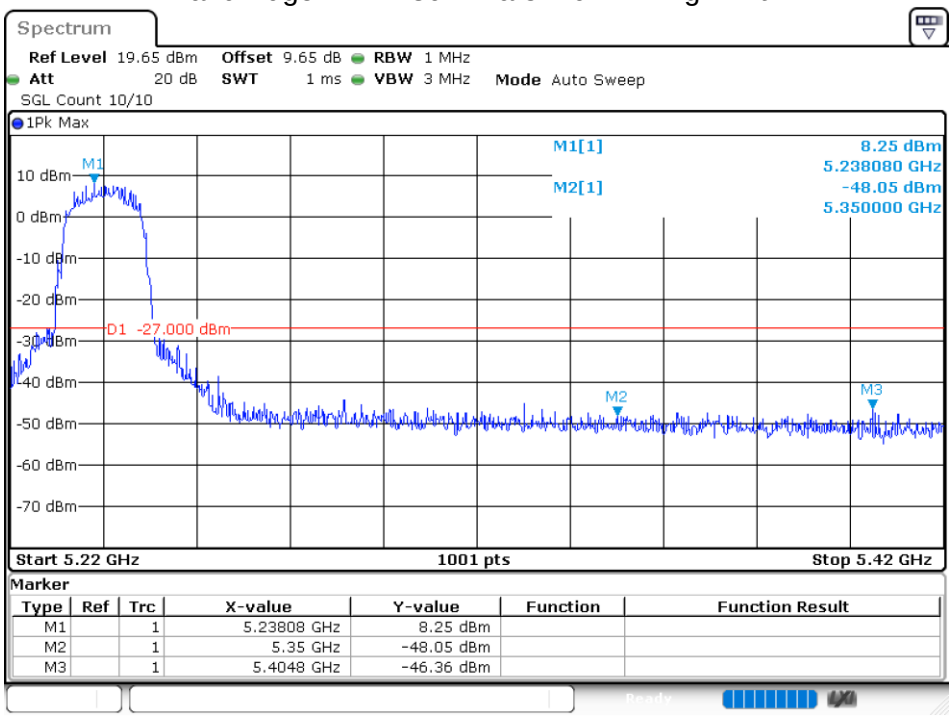
5.2G

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-46.07	-27	Pass
NVNT	802.11a	5240	Ant 1	-46.36	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-47.21	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-47.82	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-43.56	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-48.35	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-40.05	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-47.14	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-35.97	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-46.29	-27	Pass

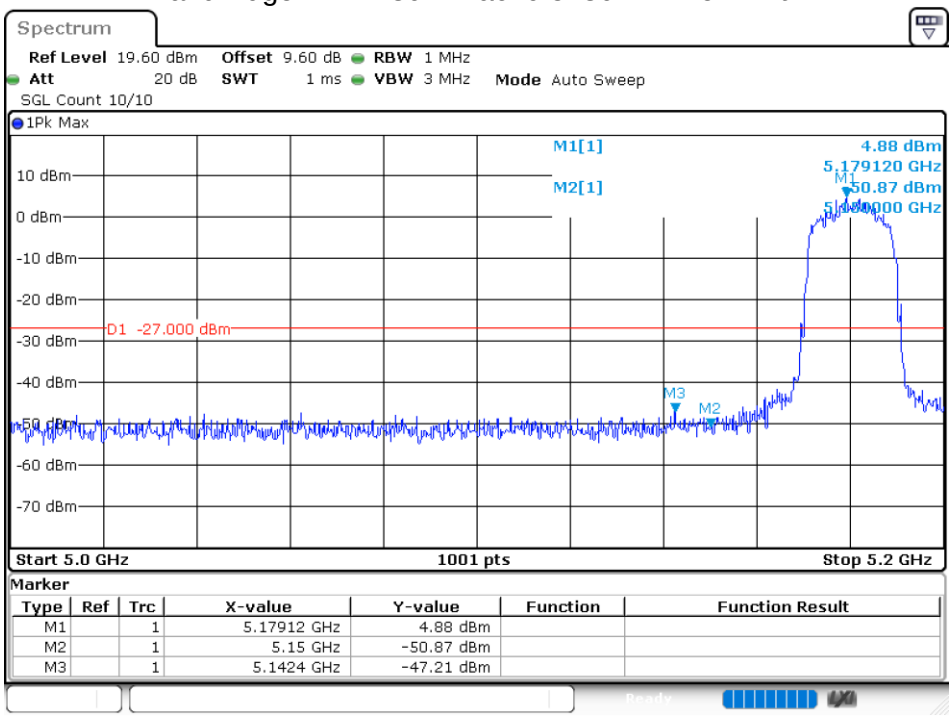
Band Edge NVNT 802.11a 5180MHz Low Ant1



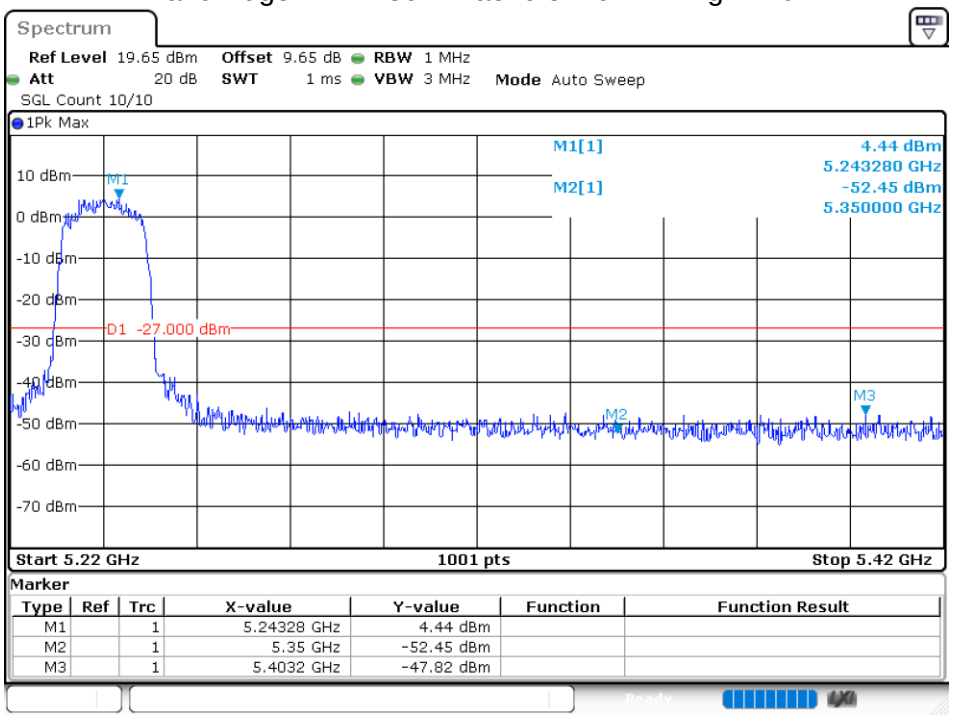
Band Edge NVNT 802.11a 5240MHz High Ant1



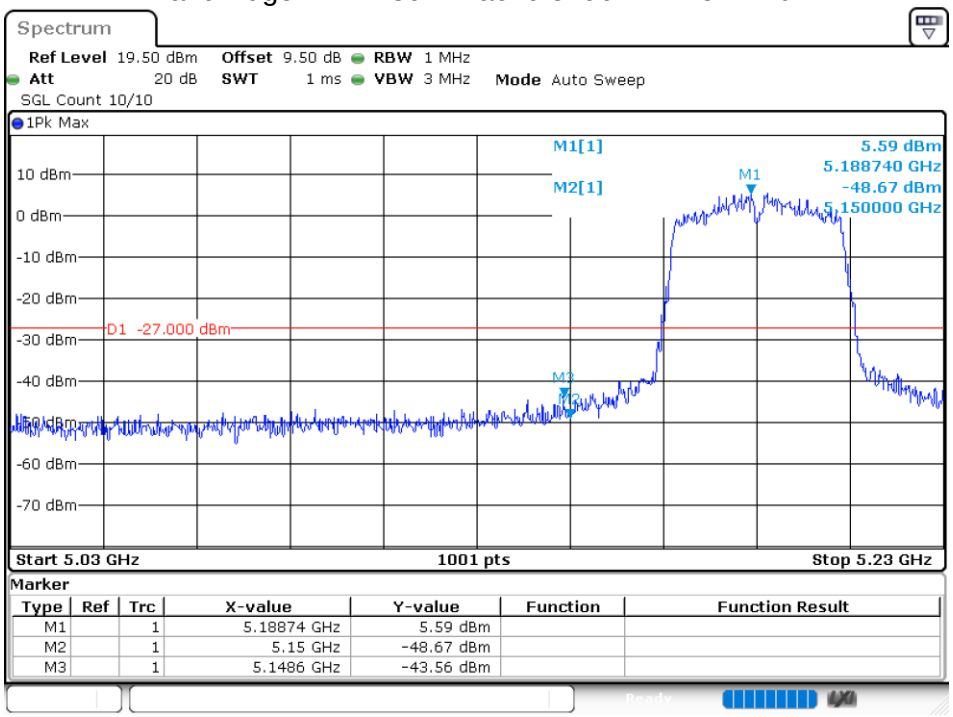
Band Edge NVNT 802.11ac20 5180MHz Low Ant1



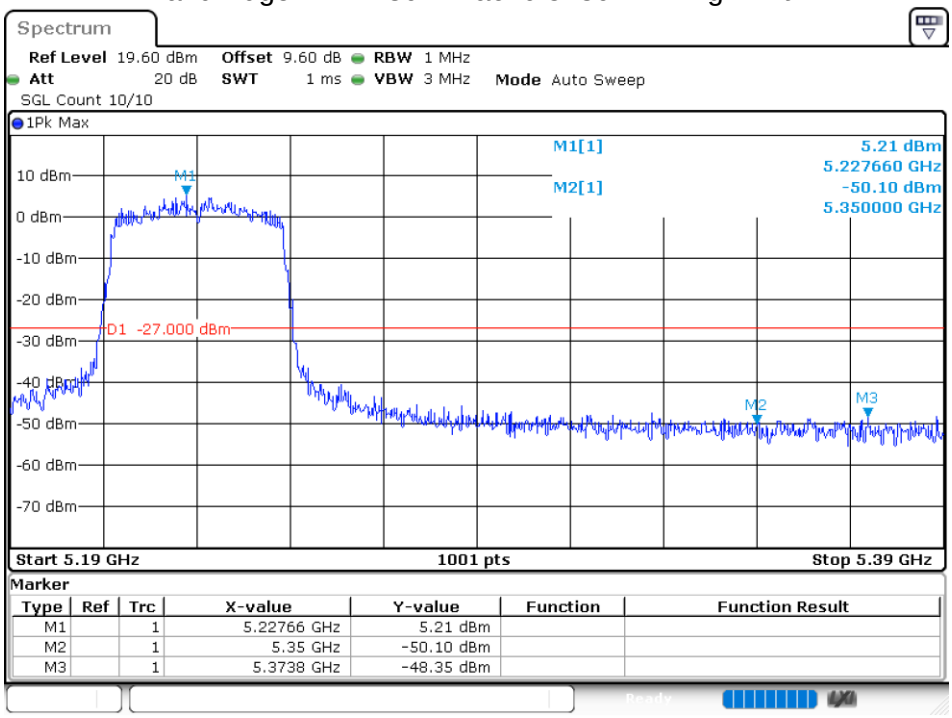
Band Edge NVNT 802.11ac20 5240MHz High Ant1



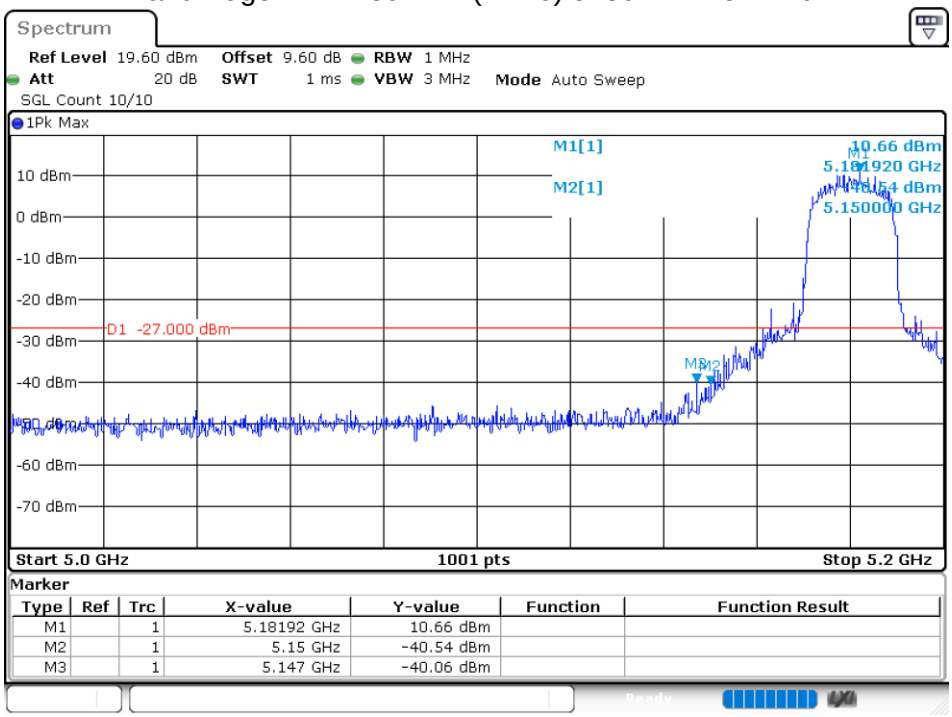
Band Edge NVNT 802.11ac40 5190MHz Low Ant1



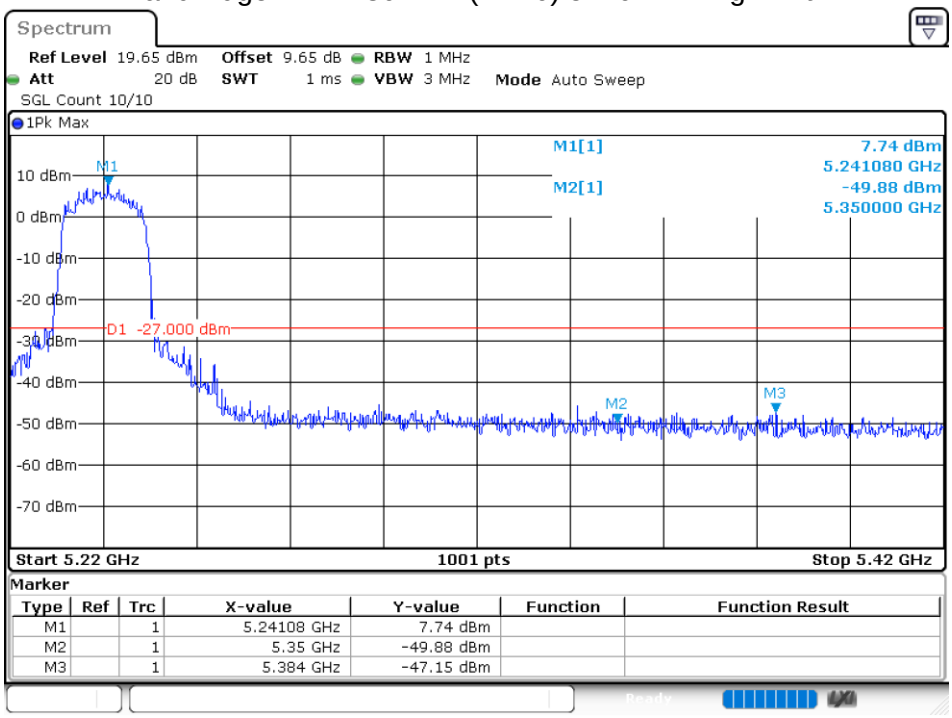
Band Edge NVNT 802.11ac40 5230MHz High Ant1



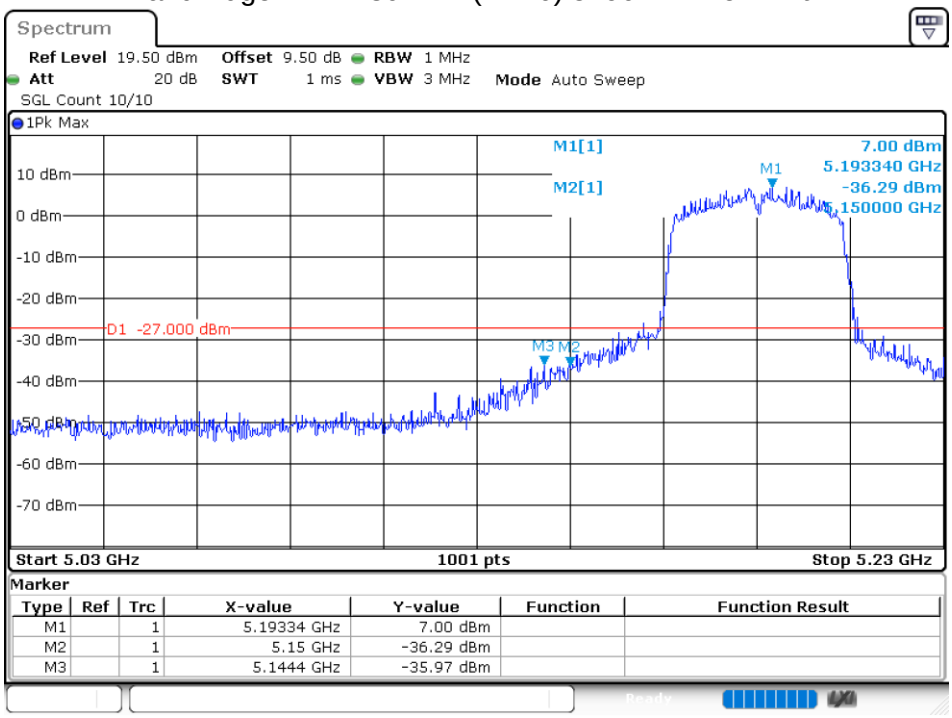
Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



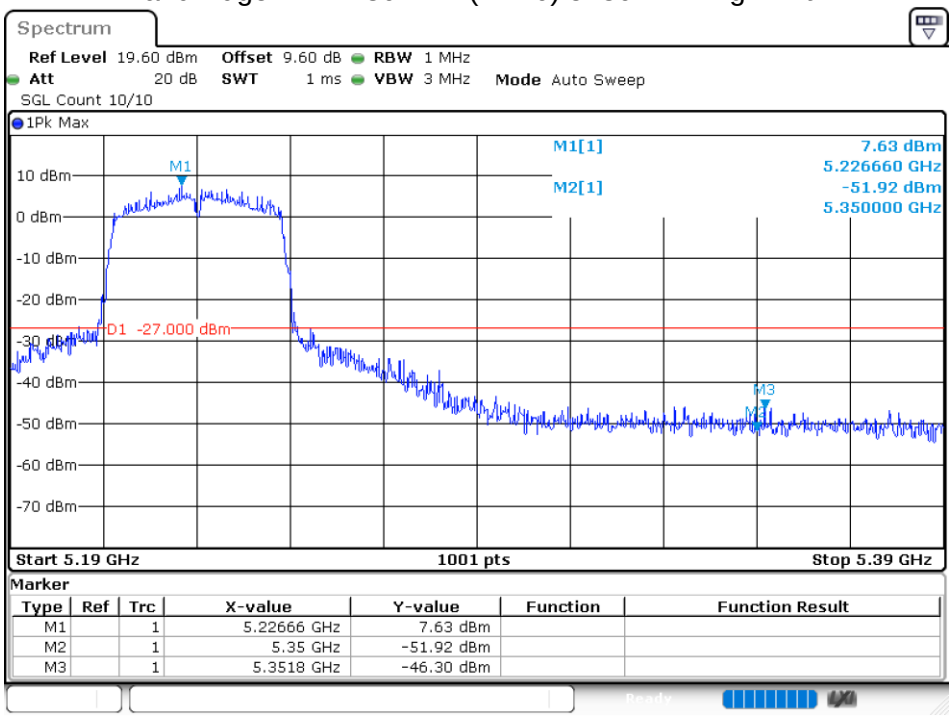
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1



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

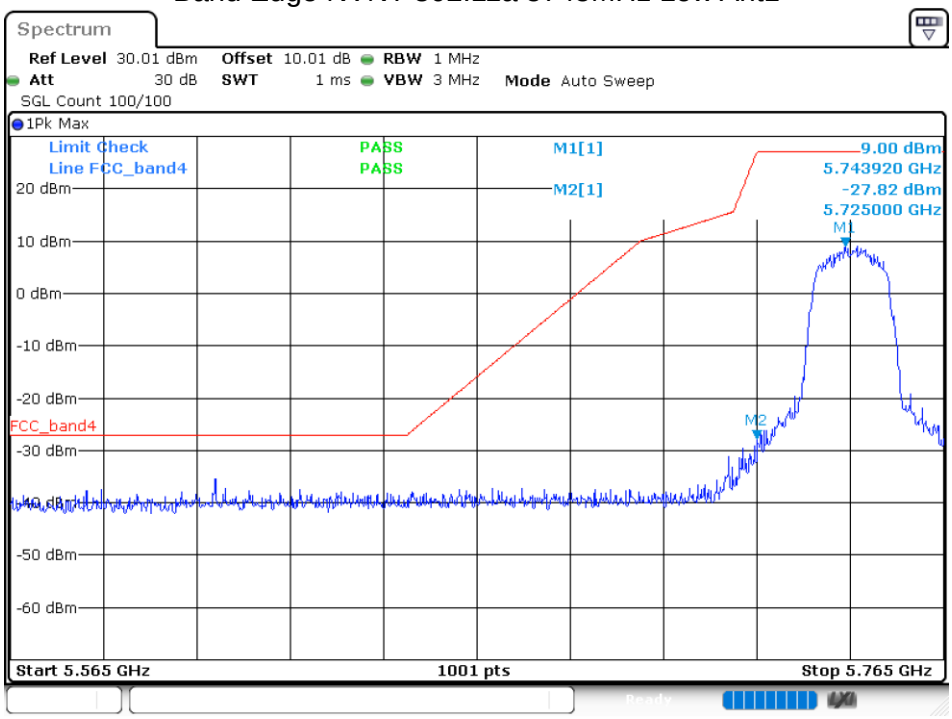


Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1

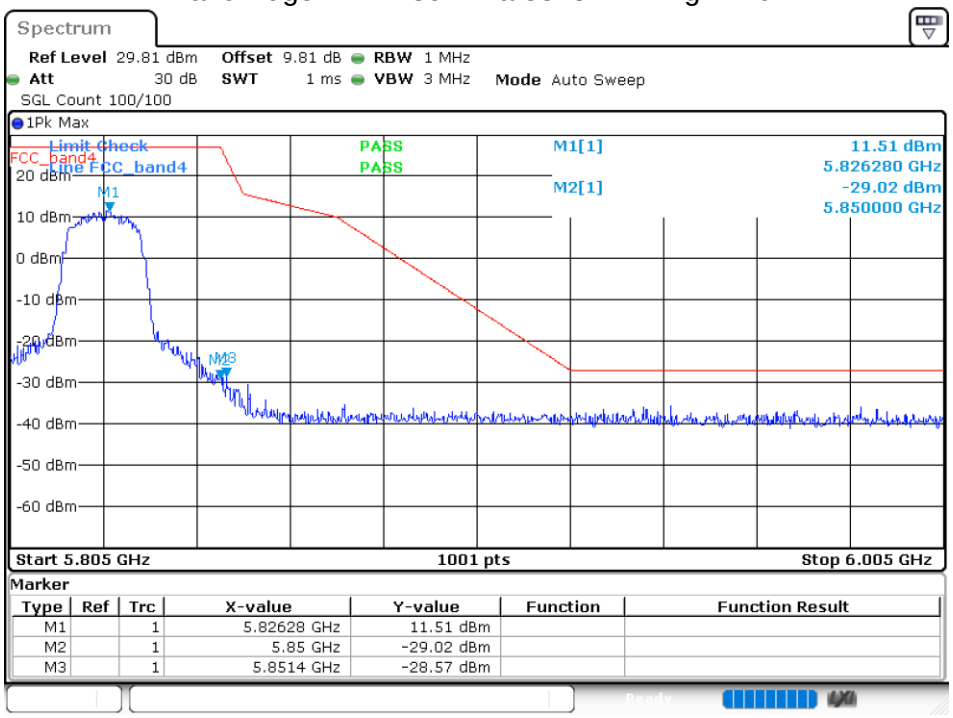


5.8G

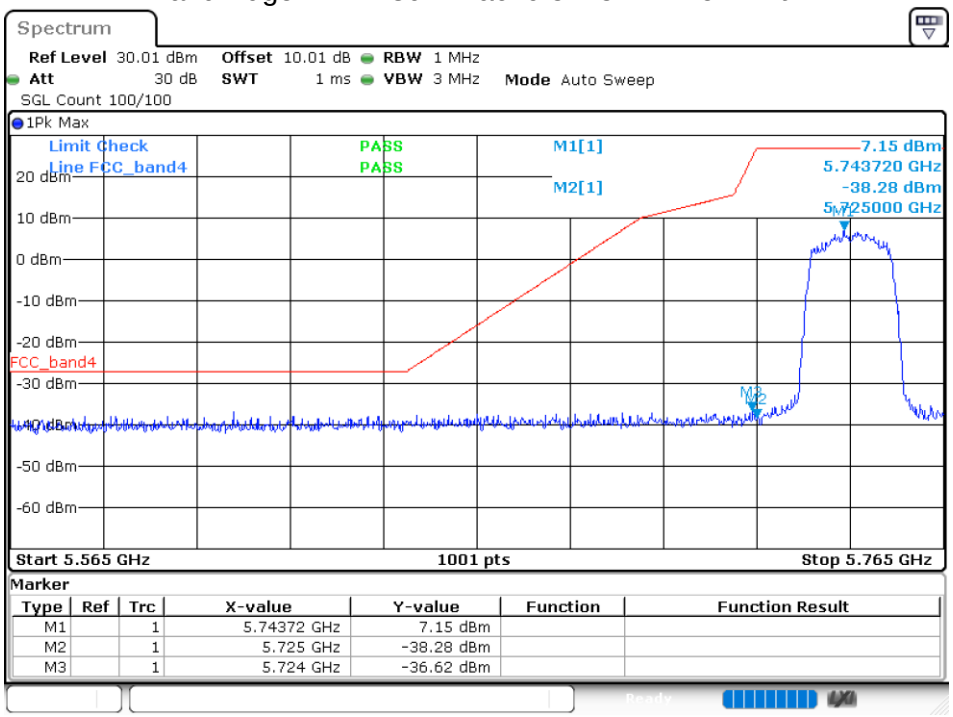
Band Edge NVNT 802.11a 5745MHz Low Ant1



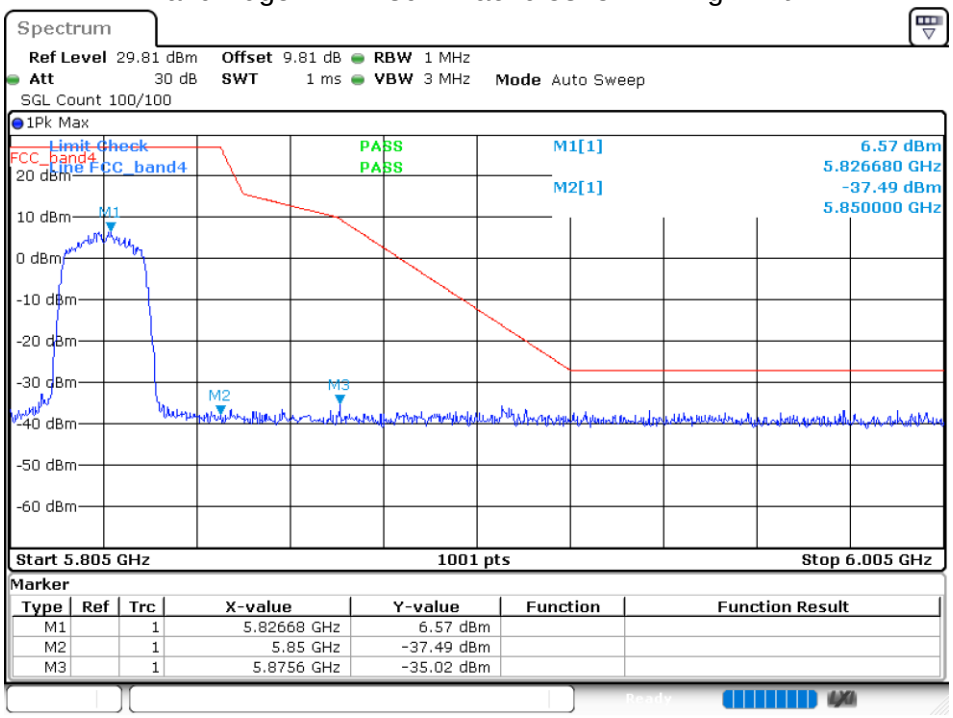
Band Edge NVNT 802.11a 5825MHz High Ant1



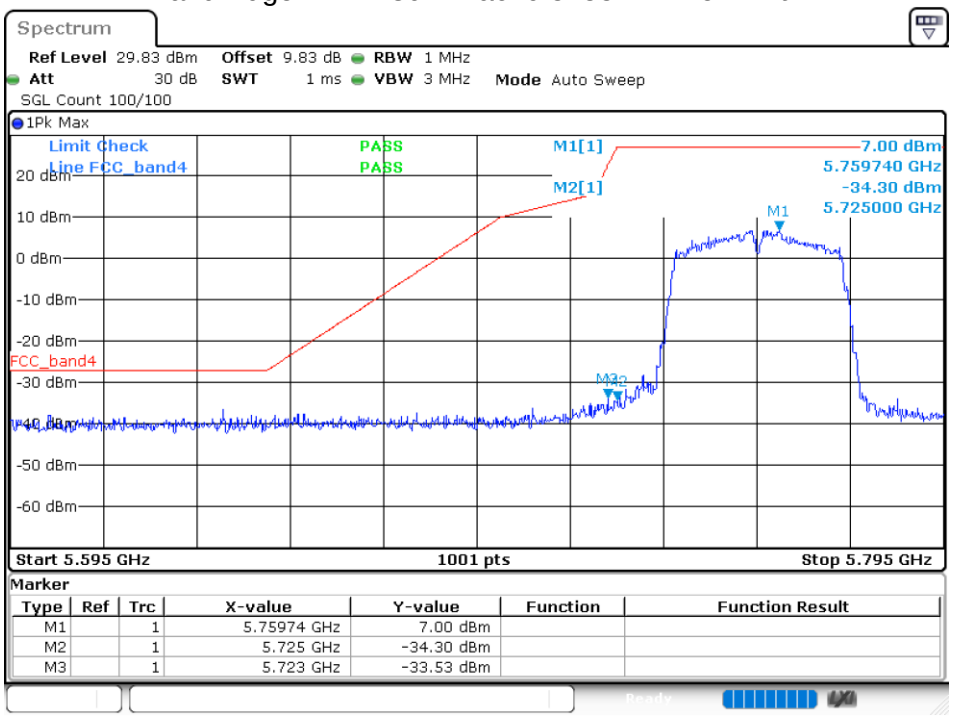
Band Edge NVNT 802.11ac20 5745MHz Low Ant1



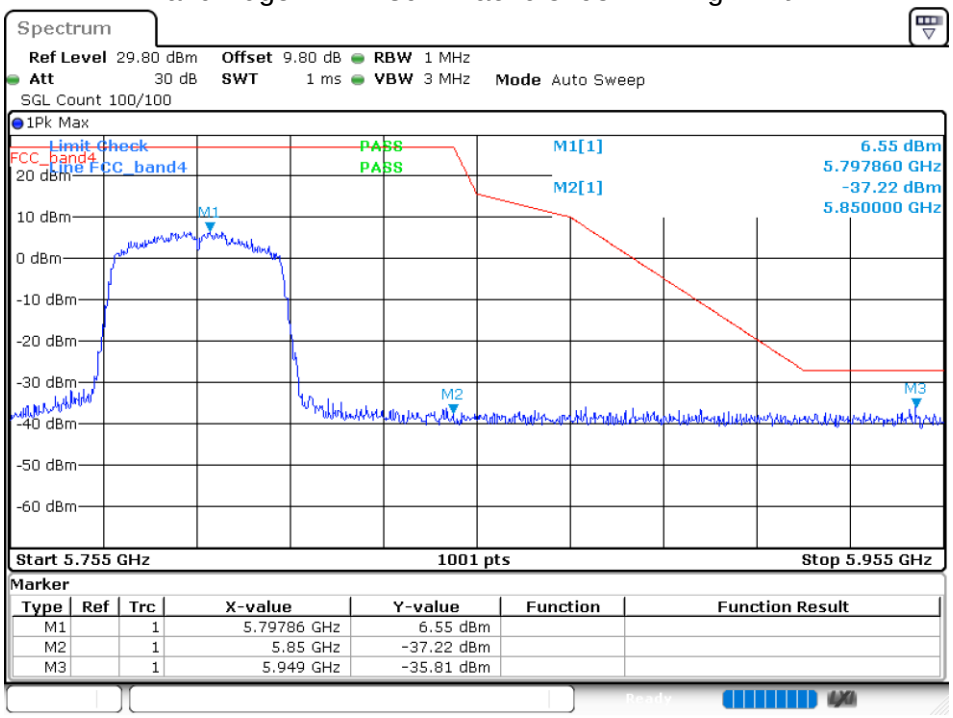
Band Edge NVNT 802.11ac20 5825MHz High Ant1



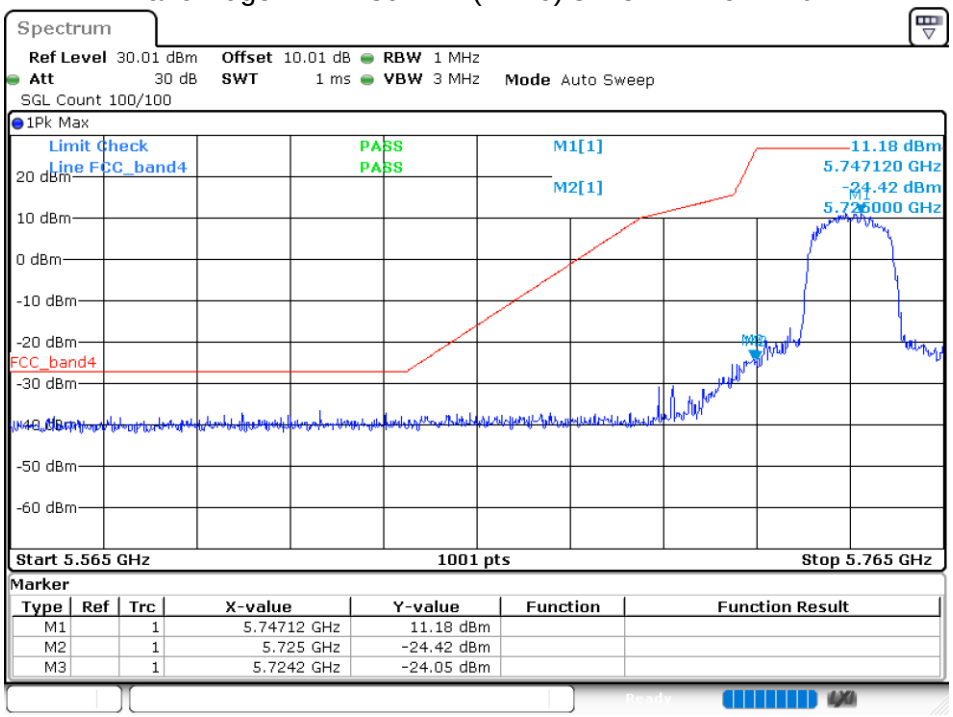
Band Edge NVNT 802.11ac40 5755MHz Low Ant1



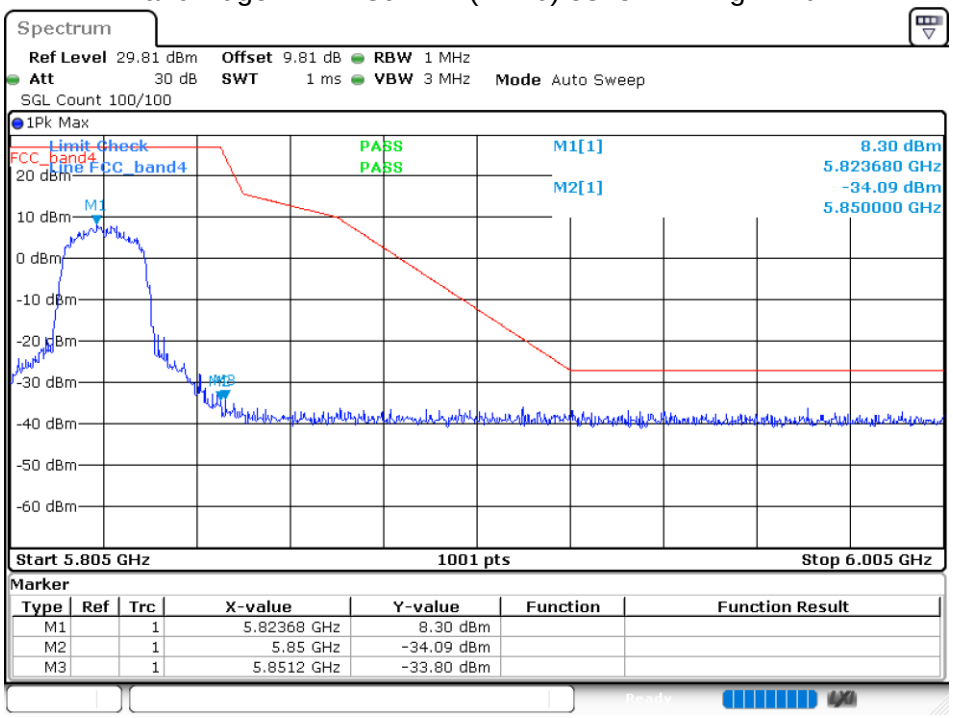
Band Edge NVNT 802.11ac40 5795MHz High Ant1



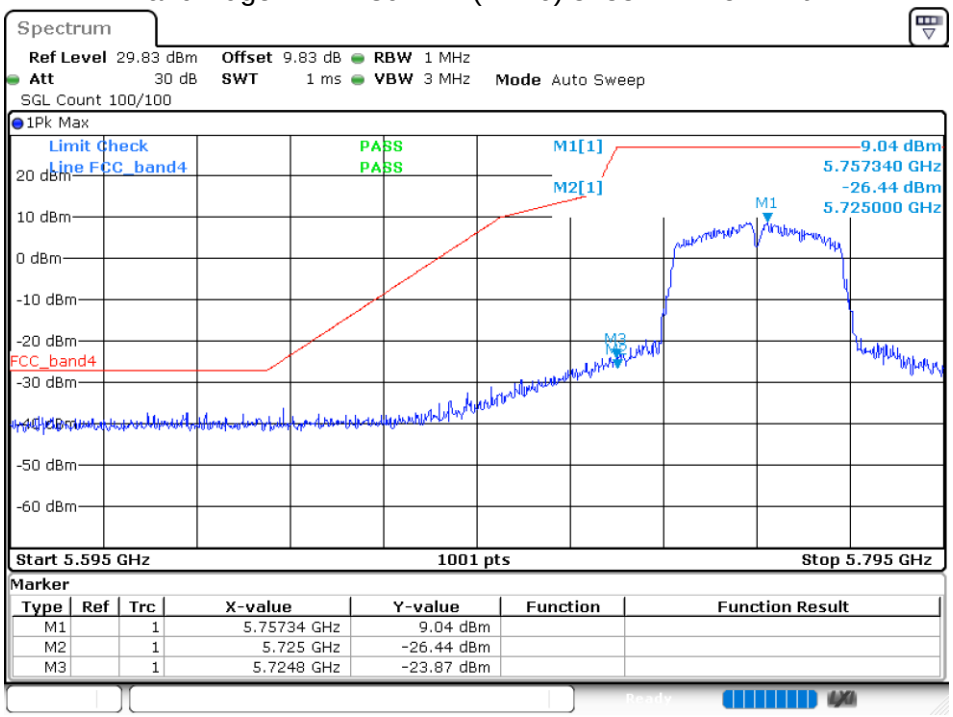
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



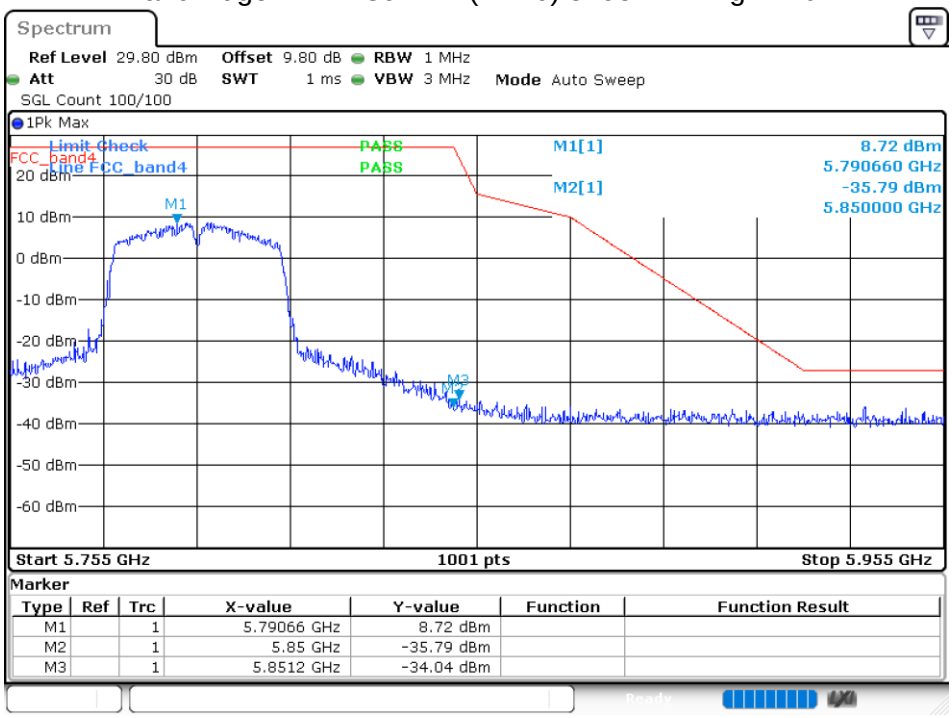
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant1



Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1

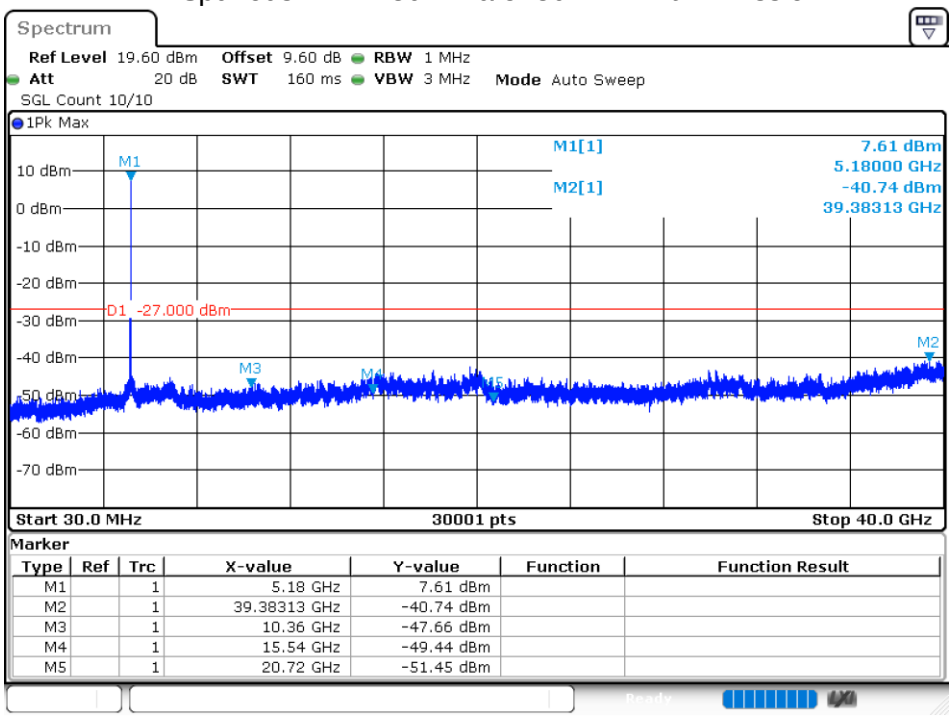


5.6 CONDUCTED RF SPURIOUS EMISSION

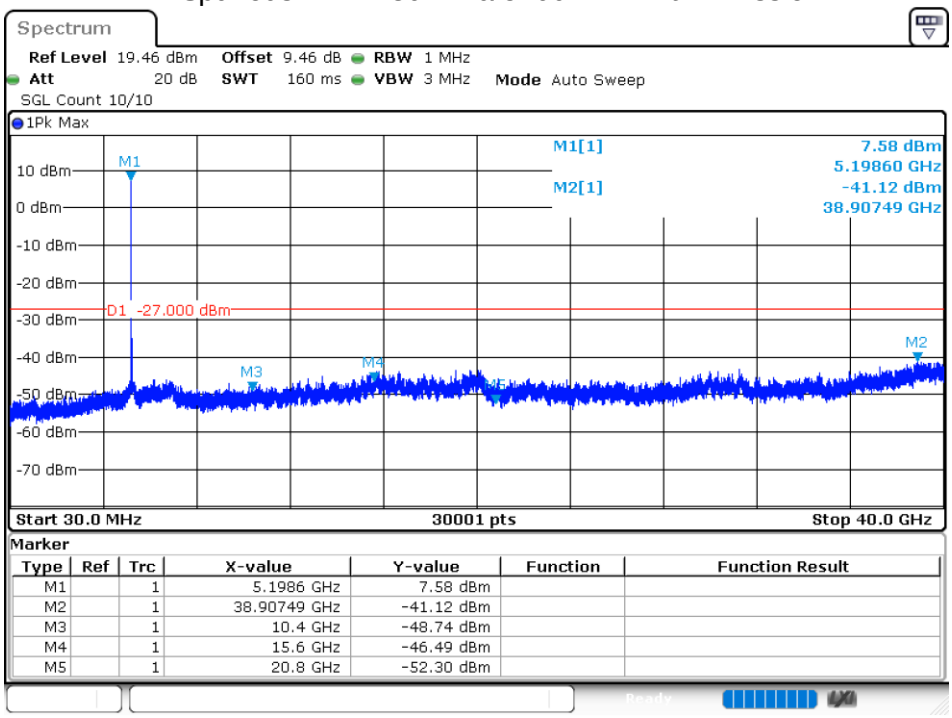
5.2G

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-40.73	-27	Pass
NVNT	802.11a	5200	Ant 1	-41.12	-27	Pass
NVNT	802.11a	5240	Ant 1	-39.75	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-40.87	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-40.99	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-40.77	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-40.68	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-40.38	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-40.31	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-40.87	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-40.39	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-40.8	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-41.03	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



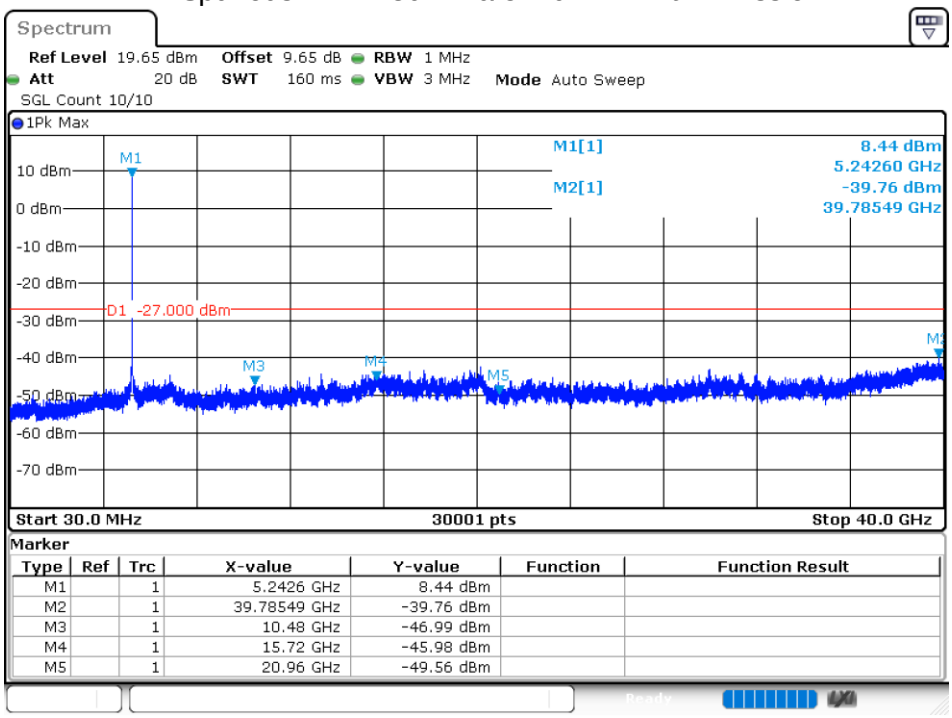
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1986 GHz	7.58 dBm		
M2		1	38.90749 GHz	-41.12 dBm		
M3		1	10.4 GHz	-48.74 dBm		
M4		1	15.6 GHz	-46.49 dBm		
M5		1	20.8 GHz	-52.30 dBm		

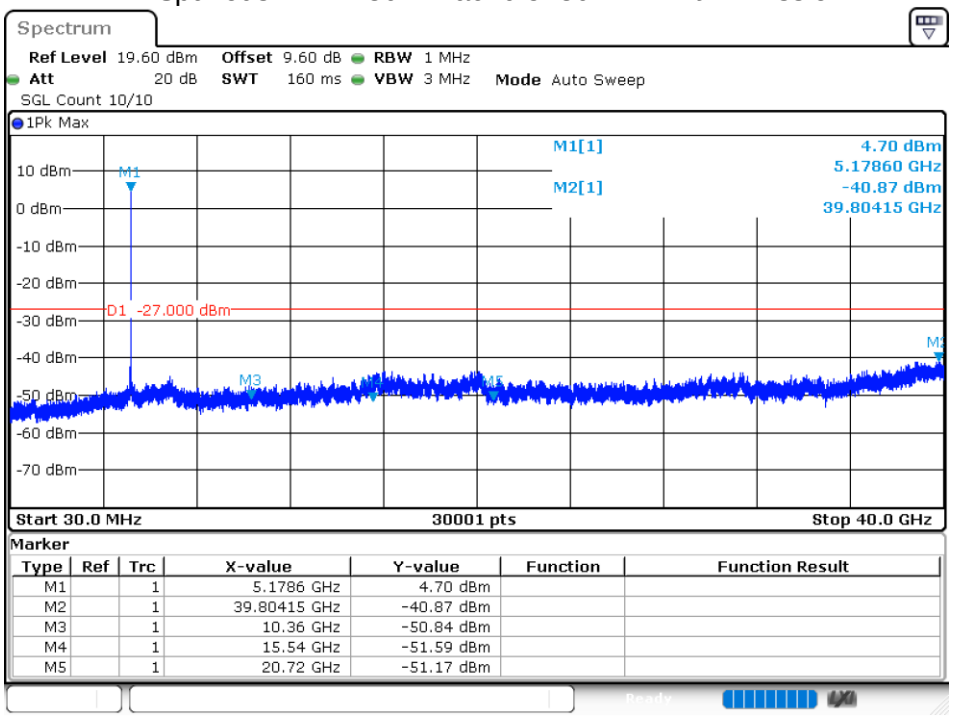
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2426 GHz	8.44 dBm		
M2		1	39.78549 GHz	-39.76 dBm		
M3		1	10.48 GHz	-46.99 dBm		
M4		1	15.72 GHz	-45.98 dBm		
M5		1	20.96 GHz	-49.56 dBm		

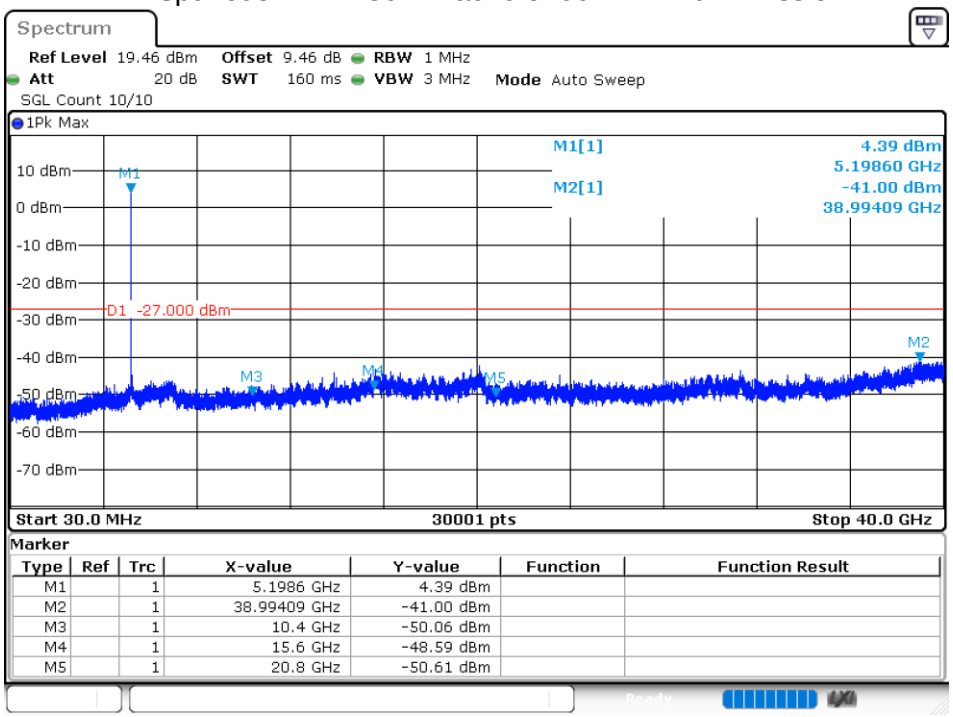
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1786 GHz	4.70 dBm		
M2		1	39.80415 GHz	-40.87 dBm		
M3		1	10.36 GHz	-50.84 dBm		
M4		1	15.54 GHz	-51.59 dBm		
M5		1	20.72 GHz	-51.17 dBm		

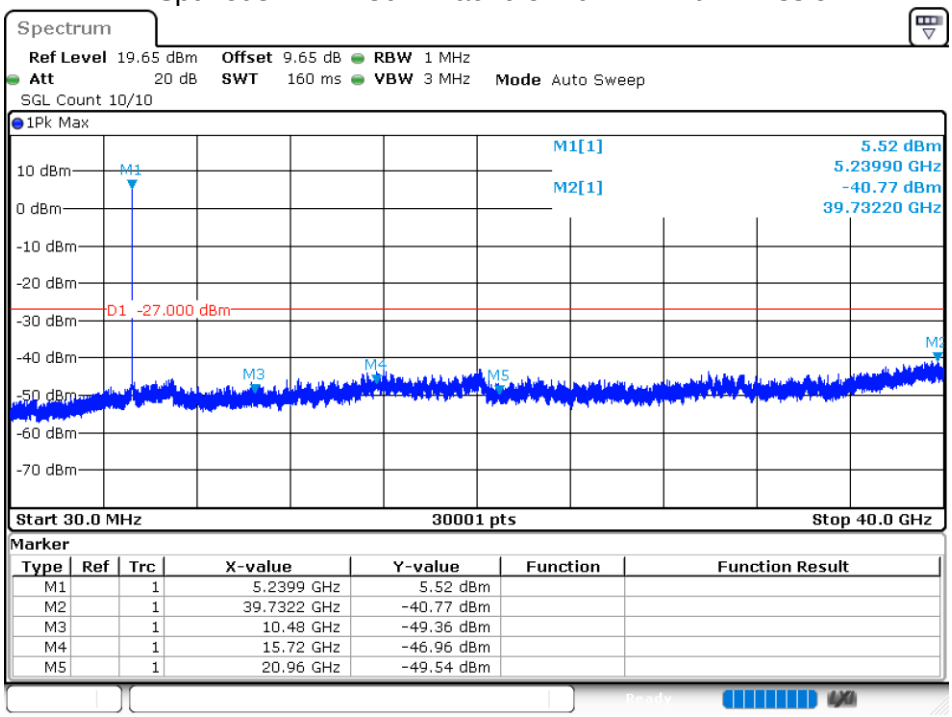
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1986 GHz	4.39 dBm		
M2		1	38.99409 GHz	-41.00 dBm		
M3		1	10.4 GHz	-50.06 dBm		
M4		1	15.6 GHz	-48.59 dBm		
M5		1	20.8 GHz	-50.61 dBm		

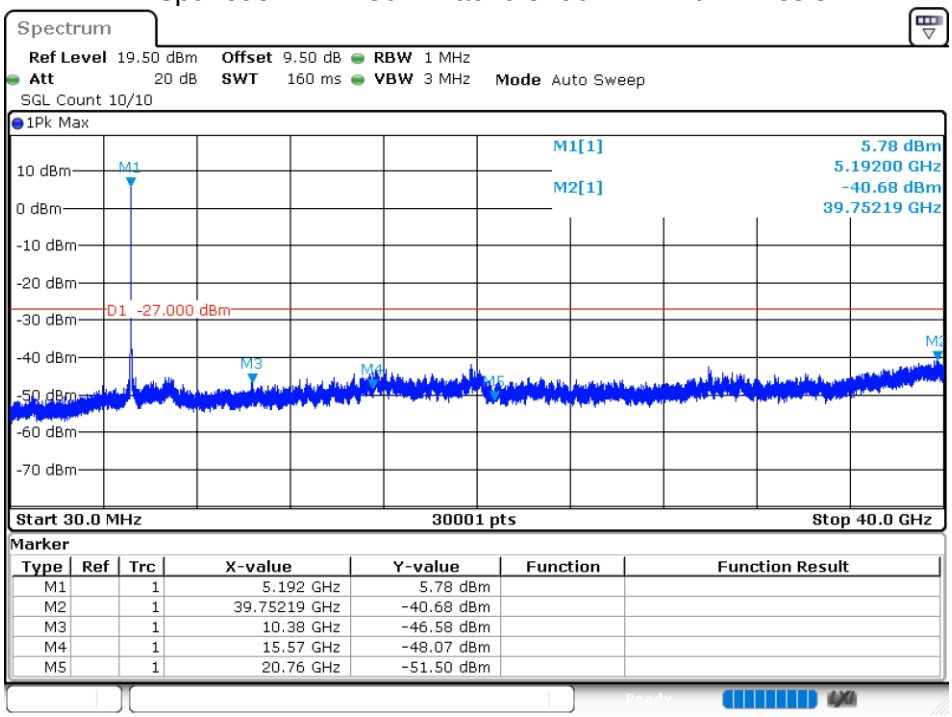
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2399 GHz	5.52 dBm		
M2		1	39.7322 GHz	-40.77 dBm		
M3		1	10.48 GHz	-49.36 dBm		
M4		1	15.72 GHz	-46.96 dBm		
M5		1	20.96 GHz	-49.54 dBm		

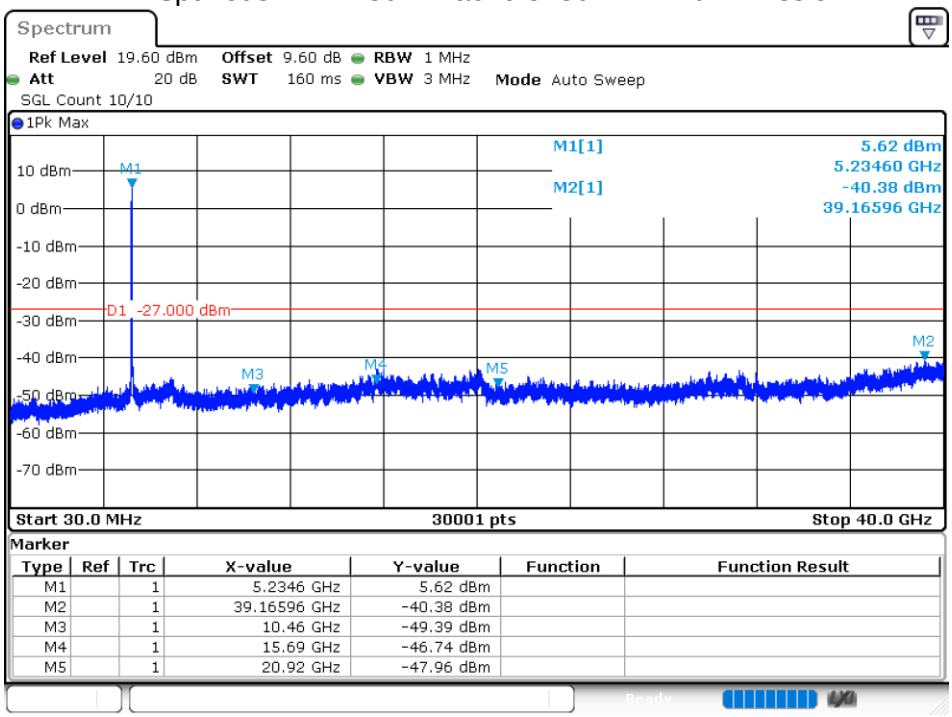
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.192 GHz	5.78 dBm		
M2		1	39.75219 GHz	-40.68 dBm		
M3		1	10.38 GHz	-46.58 dBm		
M4		1	15.57 GHz	-48.07 dBm		
M5		1	20.76 GHz	-51.50 dBm		

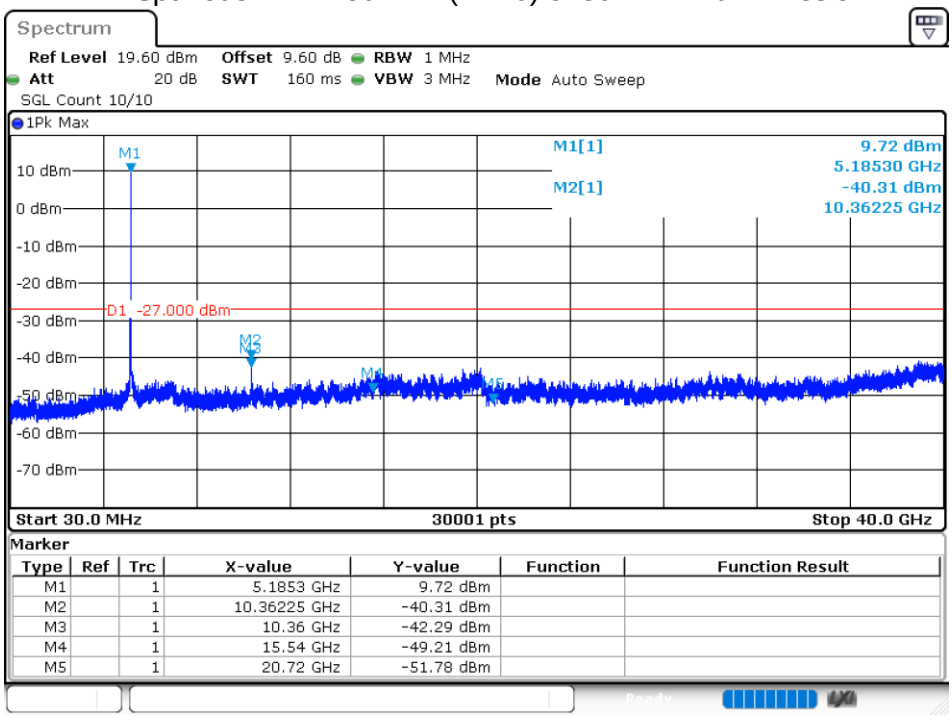
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2346 GHz	5.62 dBm		
M2		1	39.16596 GHz	-40.38 dBm		
M3		1	10.46 GHz	-49.39 dBm		
M4		1	15.69 GHz	-46.74 dBm		
M5		1	20.92 GHz	-47.96 dBm		

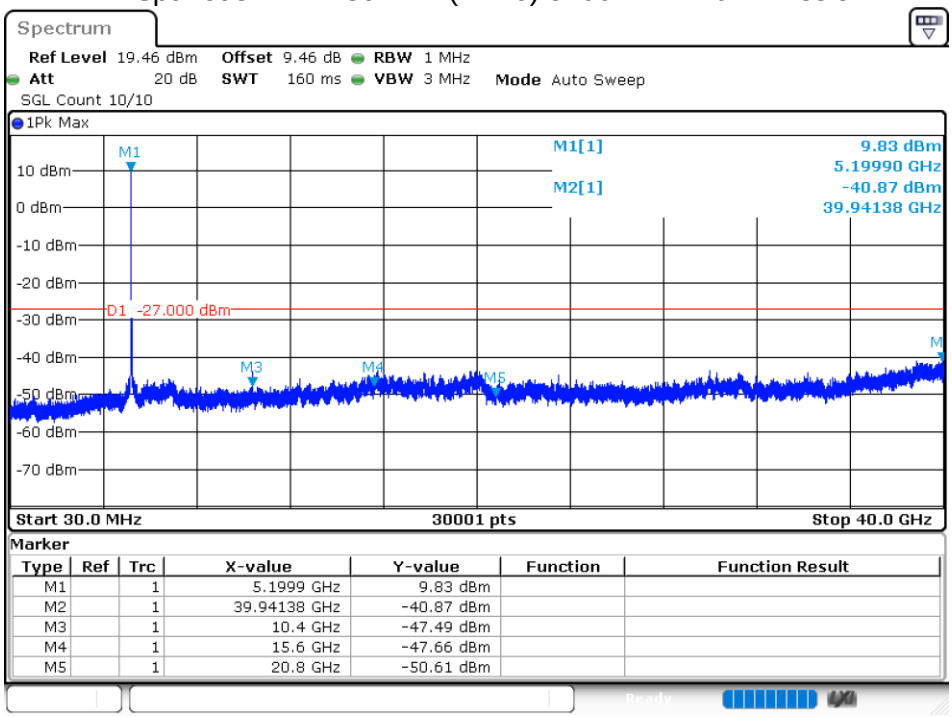
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1853 GHz	9.72 dBm		
M2		1	10.36225 GHz	-40.31 dBm		
M3		1	10.36 GHz	-42.29 dBm		
M4		1	15.54 GHz	-49.21 dBm		
M5		1	20.72 GHz	-51.78 dBm		

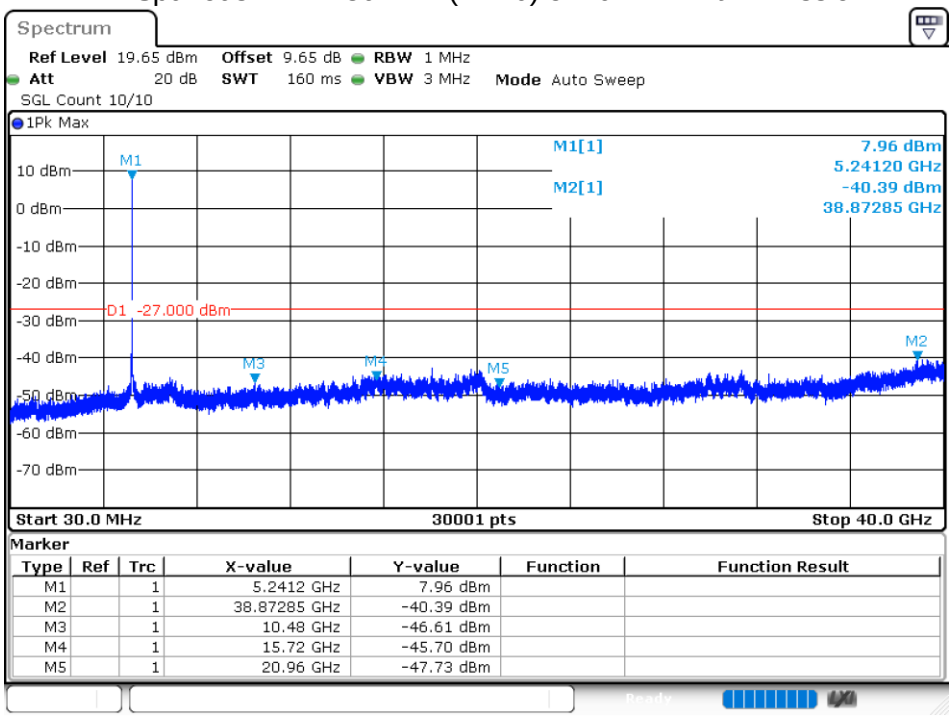
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1999 GHz	9.83 dBm		
M2		1	39.94138 GHz	-40.87 dBm		
M3		1	10.4 GHz	-47.49 dBm		
M4		1	15.6 GHz	-47.66 dBm		
M5		1	20.8 GHz	-50.61 dBm		

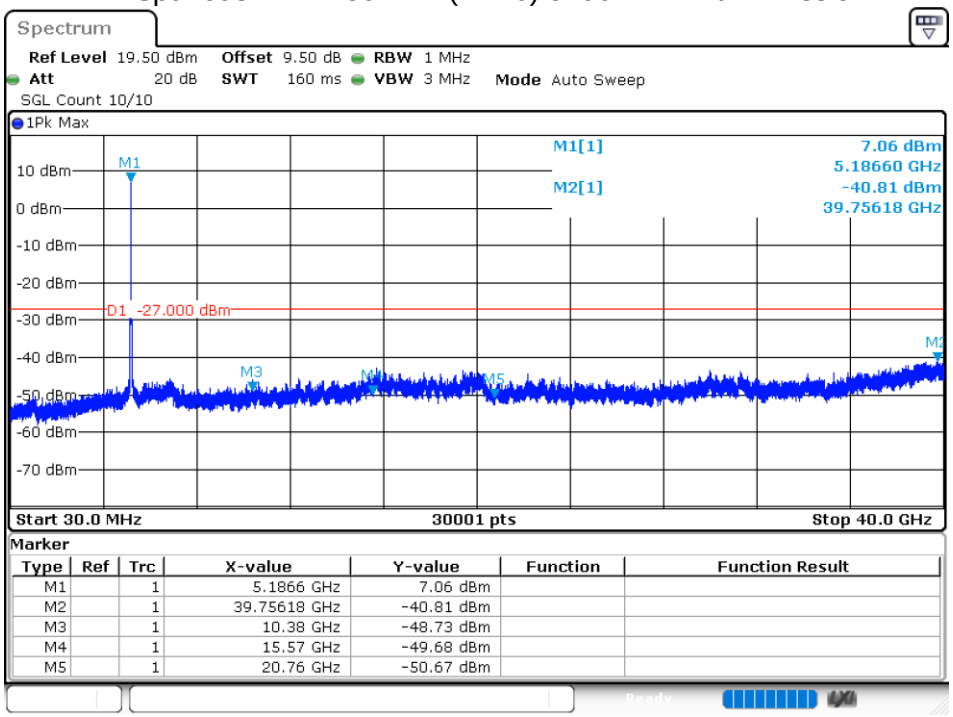
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



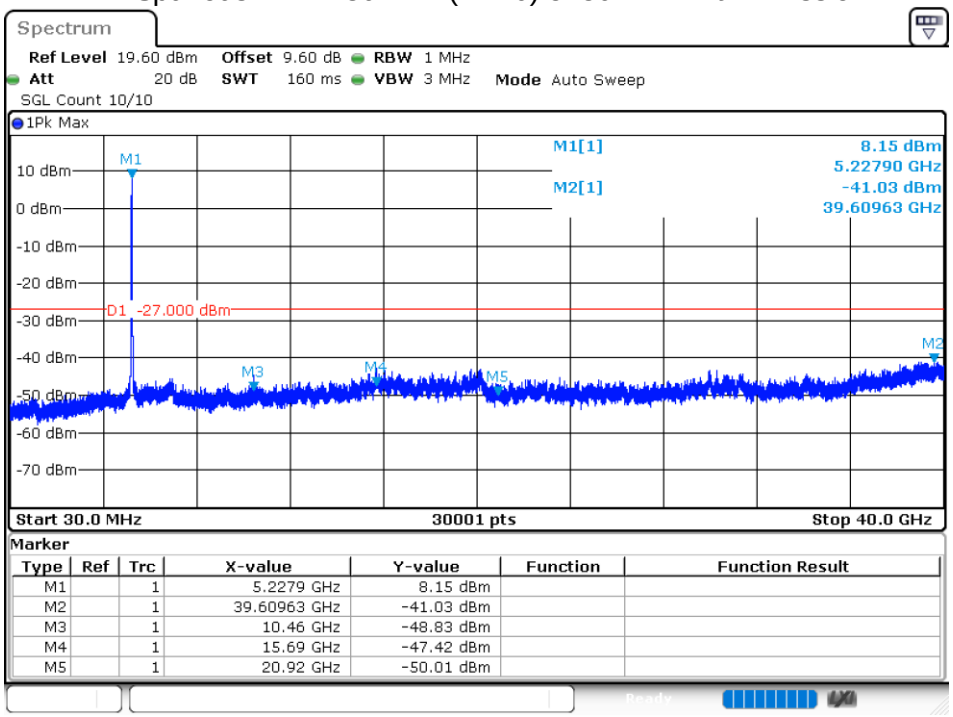
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2412 GHz	7.96 dBm		
M2		1	38.87285 GHz	-40.39 dBm		
M3		1	10.48 GHz	-46.61 dBm		
M4		1	15.72 GHz	-45.70 dBm		
M5		1	20.96 GHz	-47.73 dBm		

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



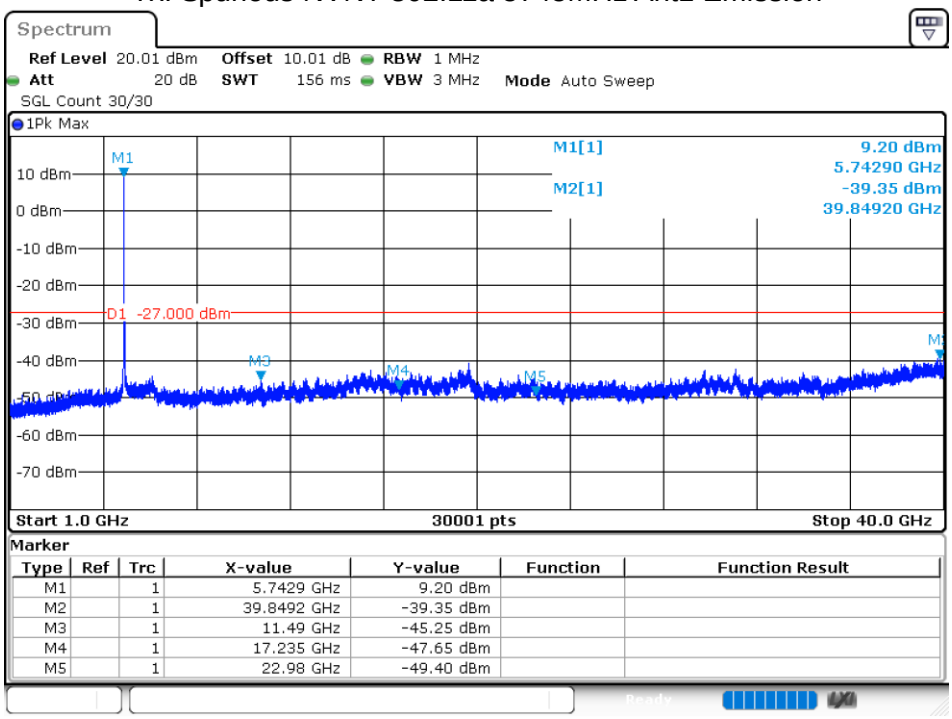
Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission



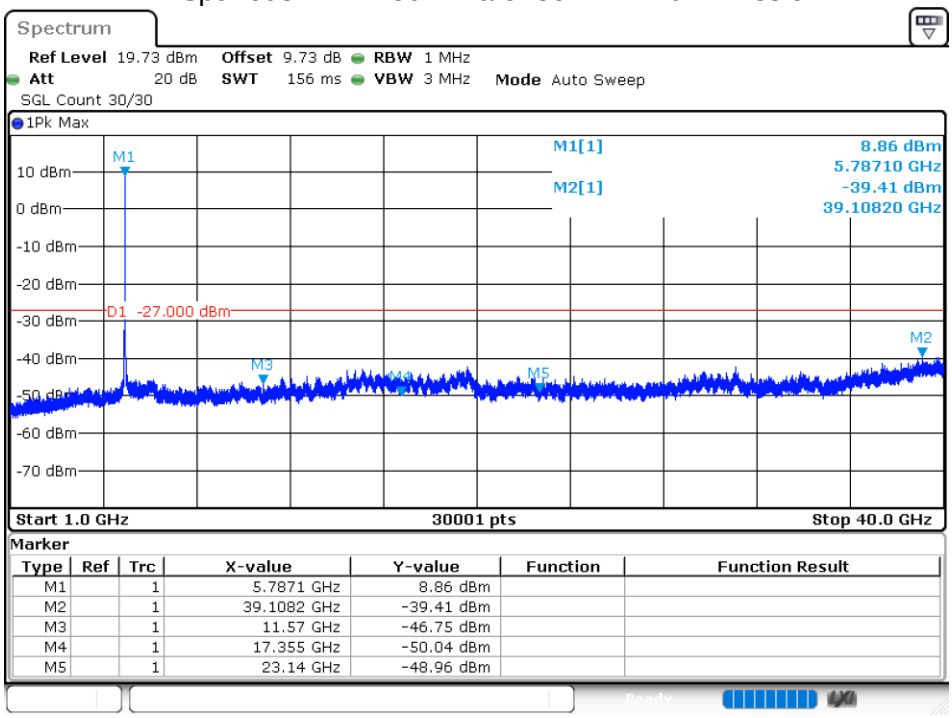
5.8G

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-39.34	-27	Pass
NVNT	802.11a	5785	Ant 1	-39.41	-27	Pass
NVNT	802.11a	5825	Ant 1	-36.39	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-39.46	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-39.53	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-39.73	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-39.46	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-40.33	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-38.77	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-39.46	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-39.82	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-40.31	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-40.21	-27	Pass

Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



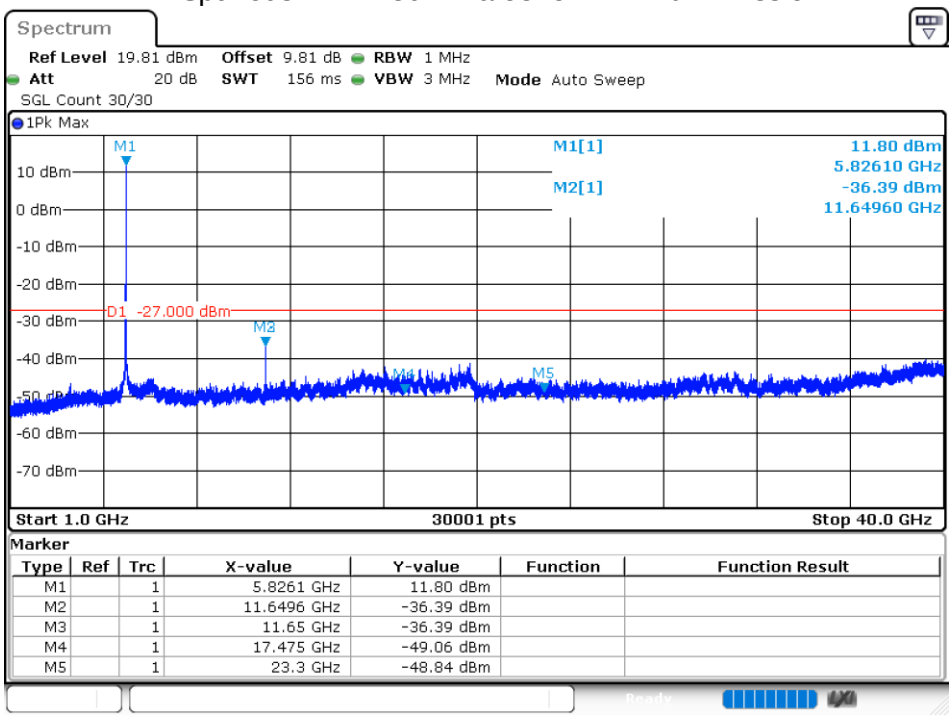
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7871 GHz	8.86 dBm		
M2		1	39.1082 GHz	-39.41 dBm		
M3		1	11.57 GHz	-46.75 dBm		
M4		1	17.355 GHz	-50.04 dBm		
M5		1	23.14 GHz	-48.96 dBm		

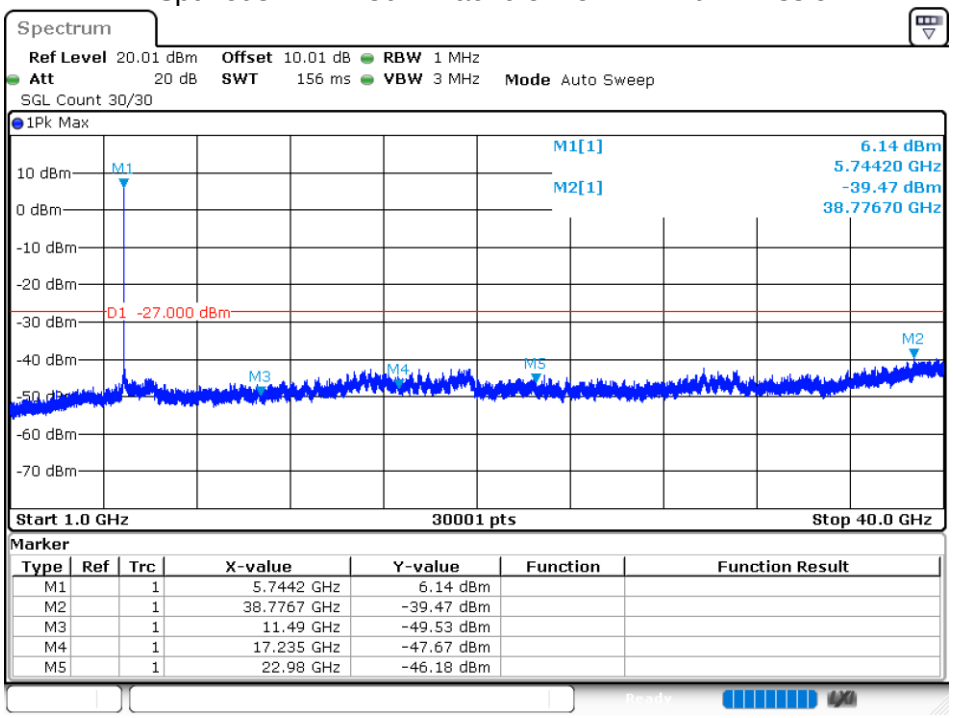
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8261 GHz	11.80 dBm		
M2		1	11.6496 GHz	-36.39 dBm		
M3		1	11.65 GHz	-36.39 dBm		
M4		1	17.475 GHz	-49.06 dBm		
M5		1	23.3 GHz	-48.84 dBm		

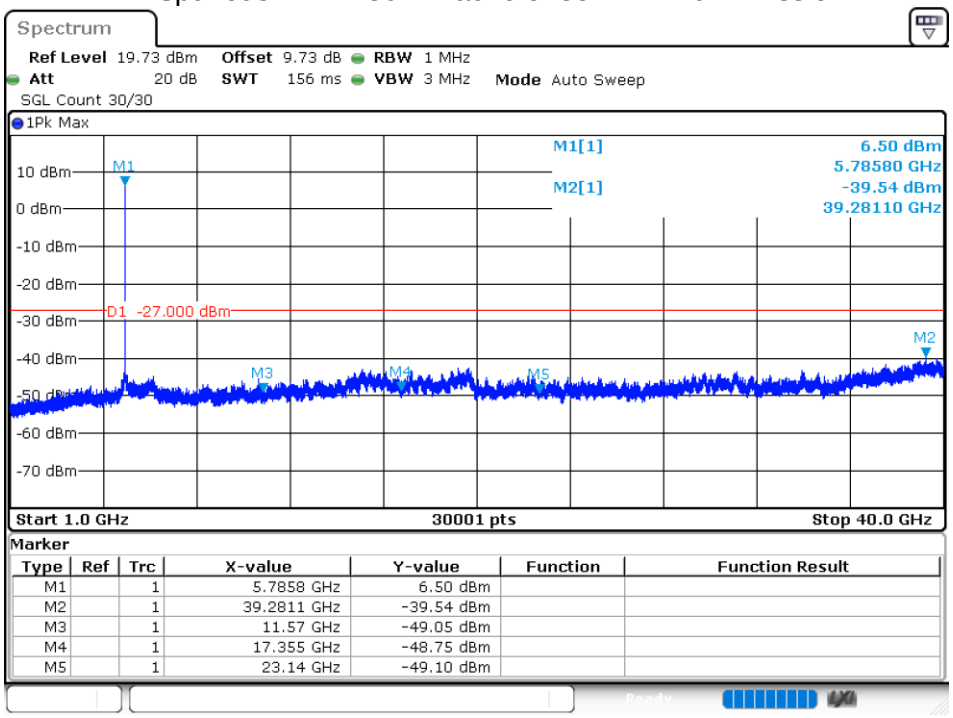
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7442 GHz	6.14 dBm		
M2		1	38.7767 GHz	-39.47 dBm		
M3		1	11.49 GHz	-49.53 dBm		
M4		1	17.235 GHz	-47.67 dBm		
M5		1	22.98 GHz	-46.18 dBm		

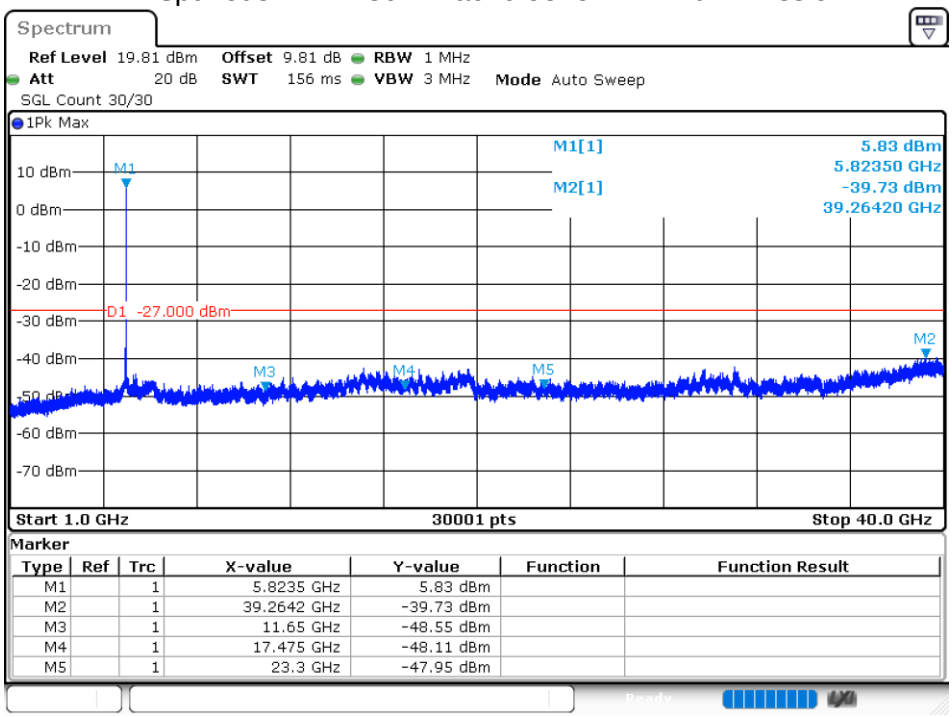
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7858 GHz	6.50 dBm		
M2		1	39.2811 GHz	-39.54 dBm		
M3		1	11.57 GHz	-49.05 dBm		
M4		1	17.355 GHz	-48.75 dBm		
M5		1	23.14 GHz	-49.10 dBm		

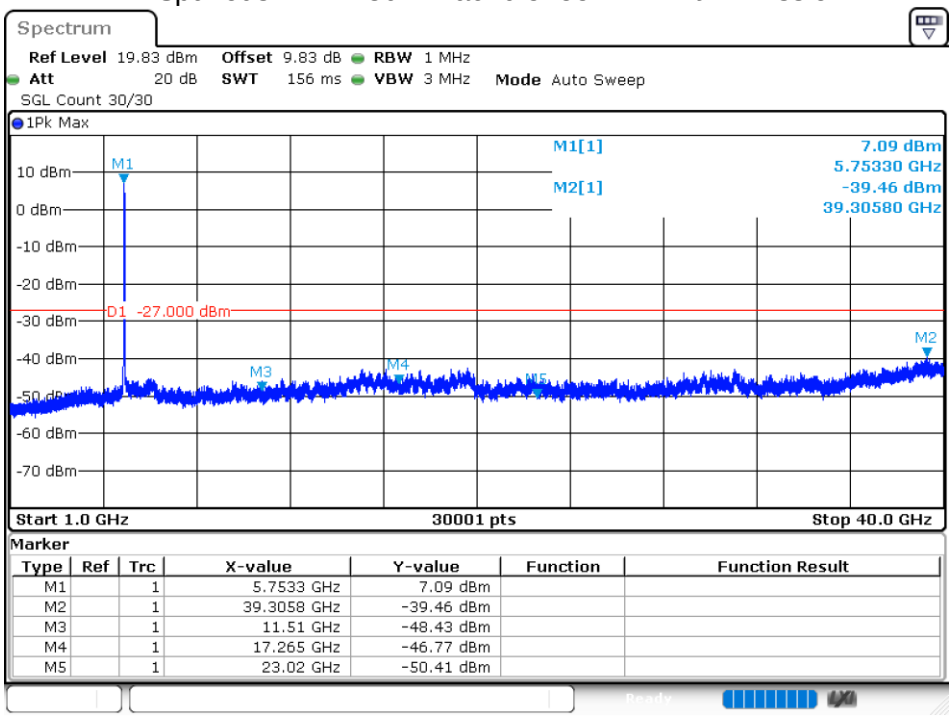
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8235 GHz	5.83 dBm		
M2		1	39.2642 GHz	-39.73 dBm		
M3		1	11.65 GHz	-48.55 dBm		
M4		1	17.475 GHz	-48.11 dBm		
M5		1	23.3 GHz	-47.95 dBm		

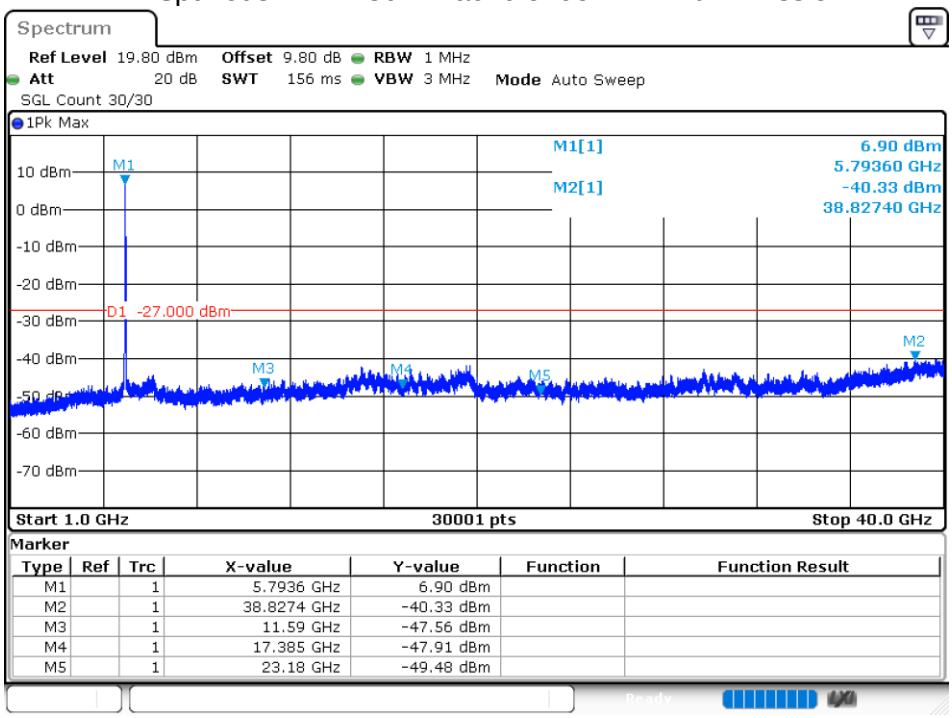
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7533 GHz	7.09 dBm		
M2		1	39.3058 GHz	-39.46 dBm		
M3		1	11.51 GHz	-48.43 dBm		
M4		1	17.265 GHz	-46.77 dBm		
M5		1	23.02 GHz	-50.41 dBm		

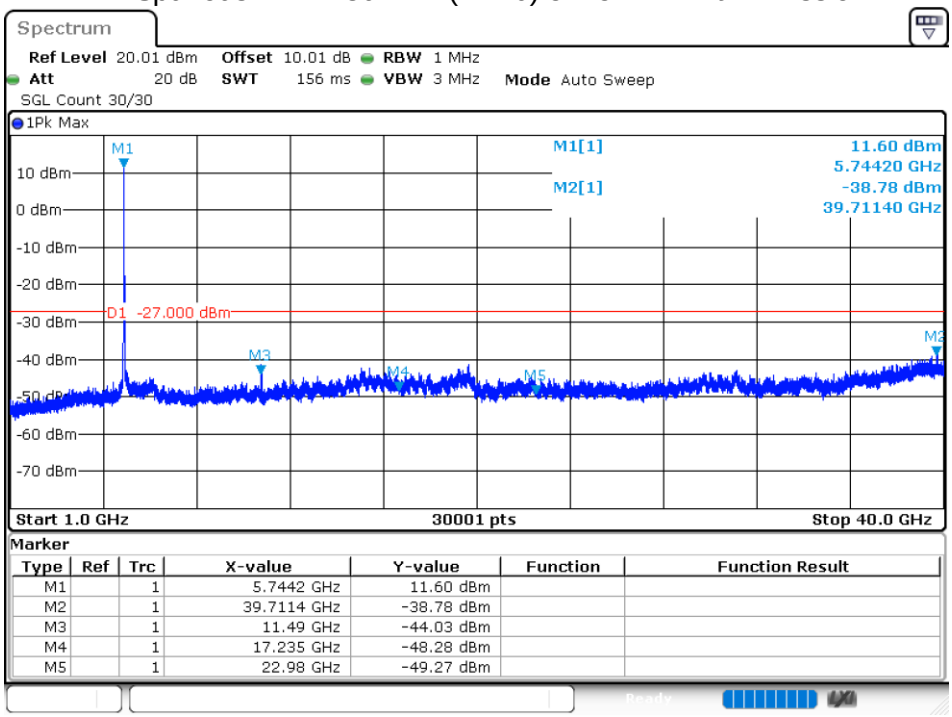
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7936 GHz	6.90 dBm		
M2		1	38.8274 GHz	-40.33 dBm		
M3		1	11.59 GHz	-47.56 dBm		
M4		1	17.385 GHz	-47.91 dBm		
M5		1	23.18 GHz	-49.48 dBm		

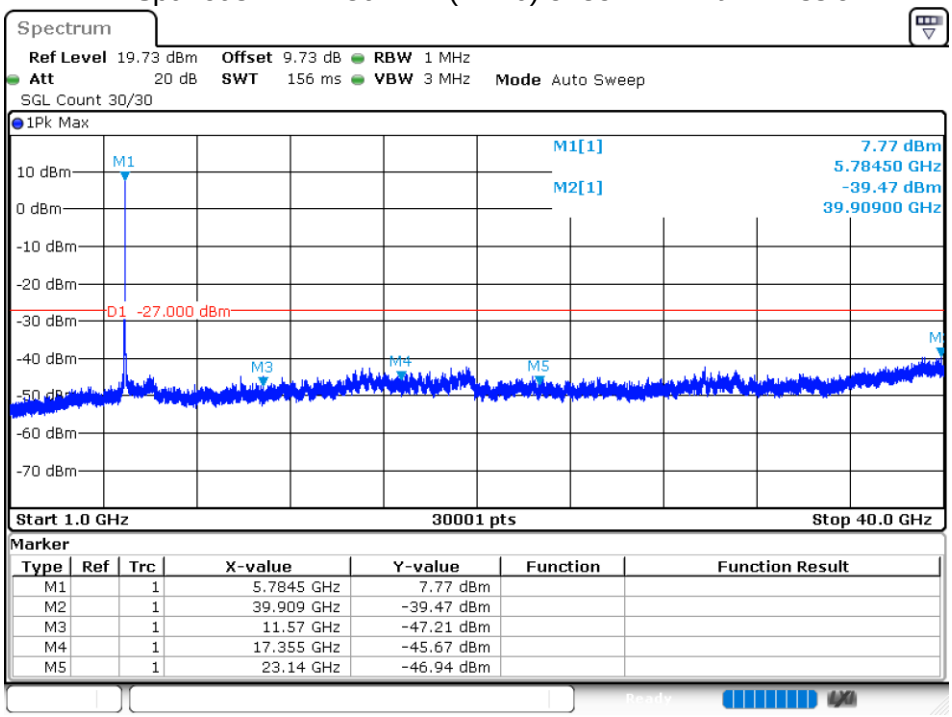
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7442 GHz	11.60 dBm		
M2		1	39.7114 GHz	-38.78 dBm		
M3		1	11.49 GHz	-44.03 dBm		
M4		1	17.235 GHz	-48.28 dBm		
M5		1	22.98 GHz	-49.27 dBm		

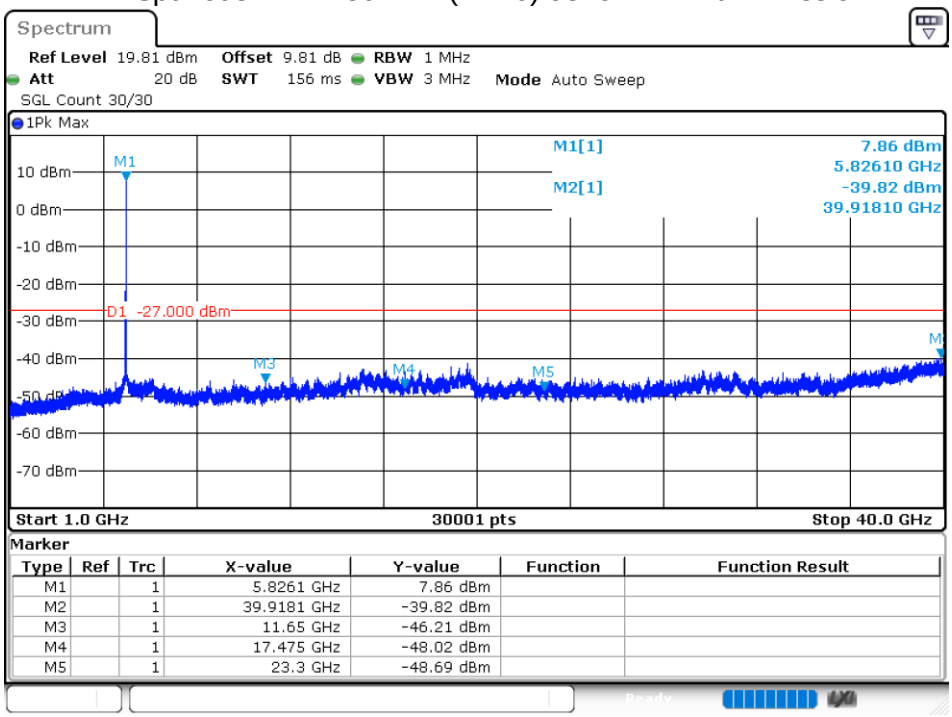
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7845 GHz	7.77 dBm		
M2		1	39.909 GHz	-39.47 dBm		
M3		1	11.57 GHz	-47.21 dBm		
M4		1	17.355 GHz	-45.67 dBm		
M5		1	23.14 GHz	-46.94 dBm		

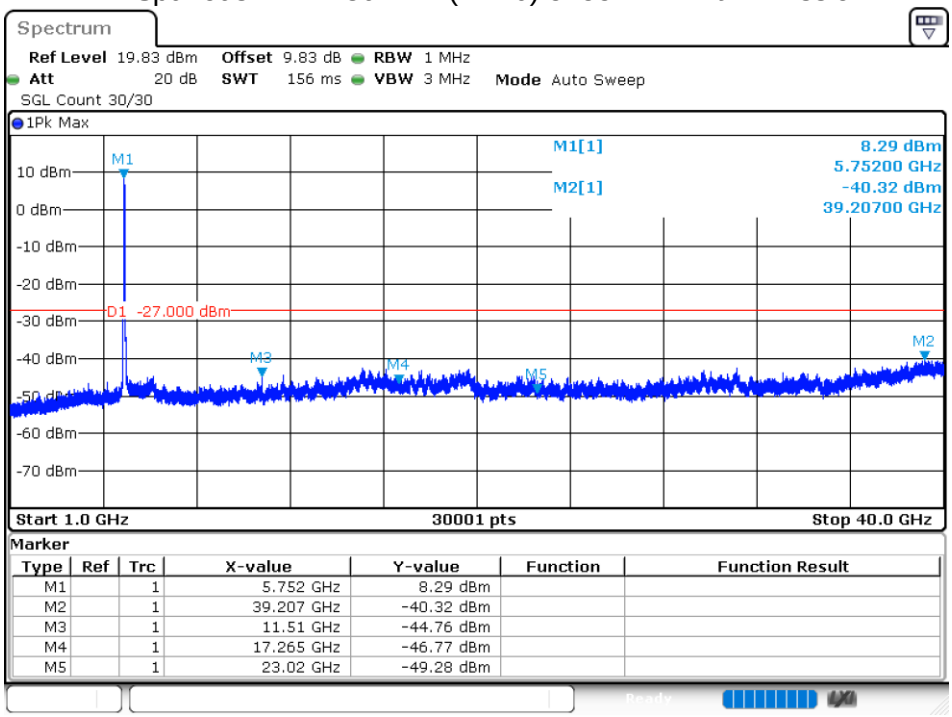
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8261 GHz	7.86 dBm		
M2		1	39.9181 GHz	-39.82 dBm		
M3		1	11.65 GHz	-46.21 dBm		
M4		1	17.475 GHz	-48.02 dBm		
M5		1	23.3 GHz	-48.69 dBm		

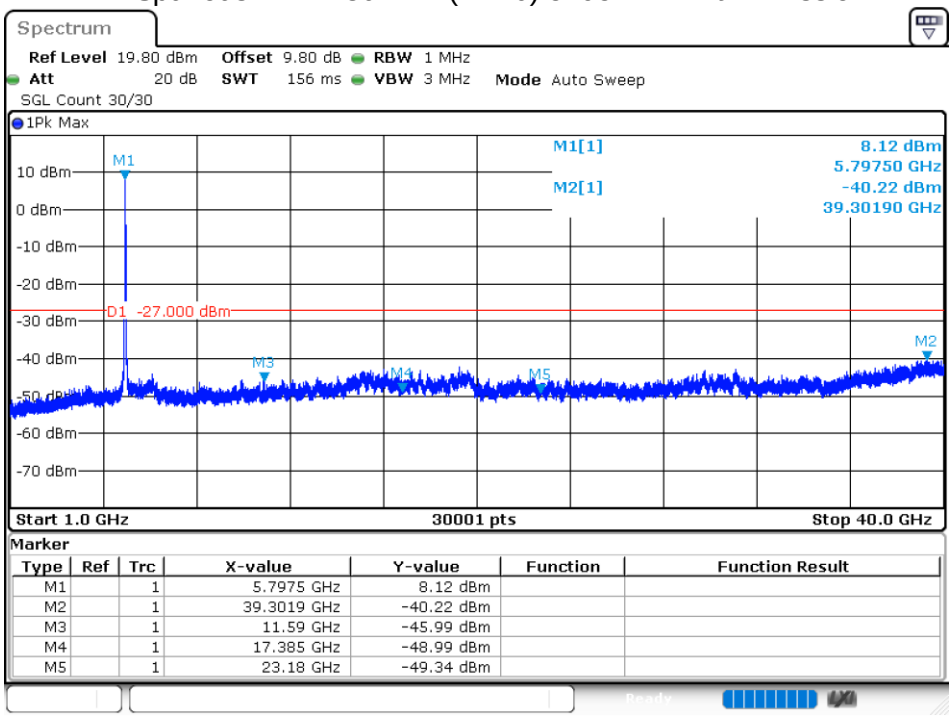
Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.752 GHz	8.29 dBm		
M2		1	39.207 GHz	-40.32 dBm		
M3		1	11.51 GHz	-44.76 dBm		
M4		1	17.265 GHz	-46.77 dBm		
M5		1	23.02 GHz	-49.28 dBm		

Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7975 GHz	8.12 dBm		
M2		1	39.3019 GHz	-40.22 dBm		
M3		1	11.59 GHz	-45.99 dBm		
M4		1	17.385 GHz	-48.99 dBm		
M5		1	23.18 GHz	-49.34 dBm		

END OF REPORT