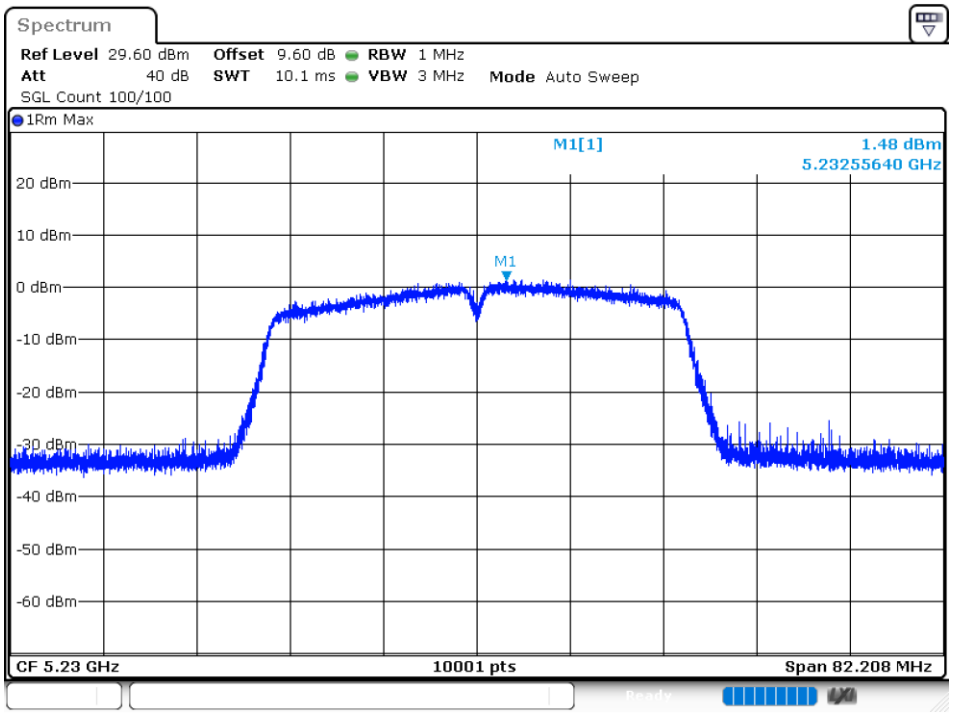
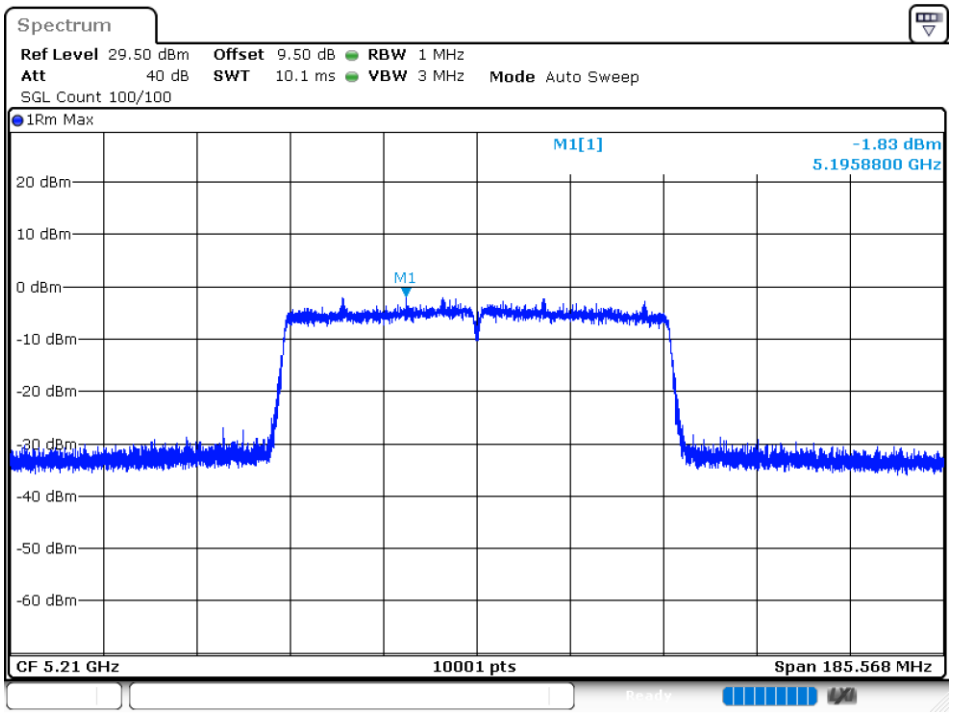
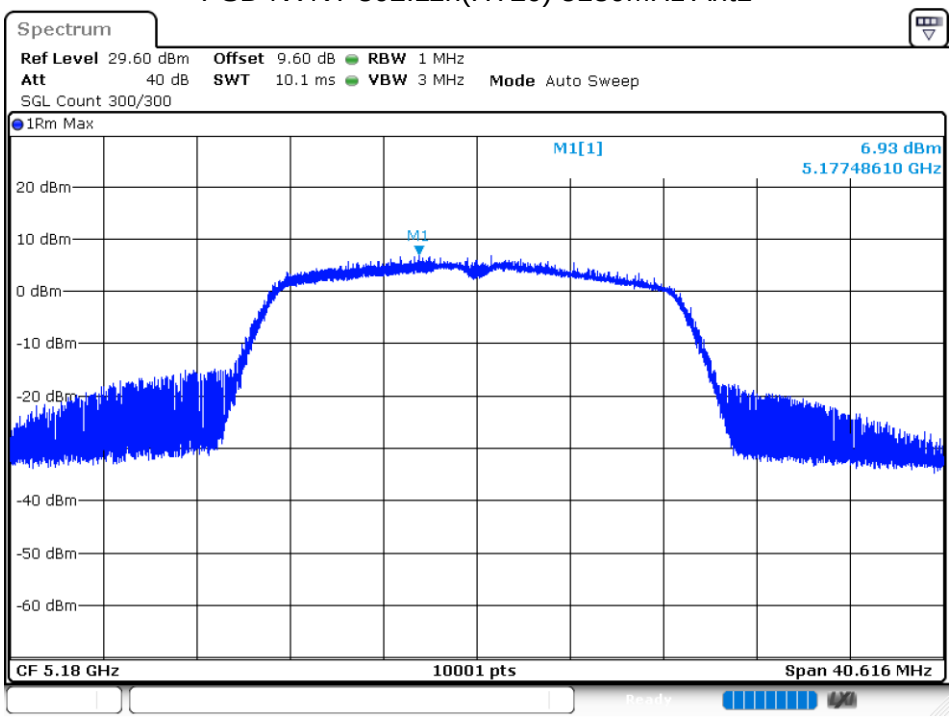
PSD NVNT 802.11ac40 5230MHz Ant1



PSD NVNT 802.11ac80 5210MHz Ant1



PSD NVNT 802.11n(HT20) 5180MHz Ant1



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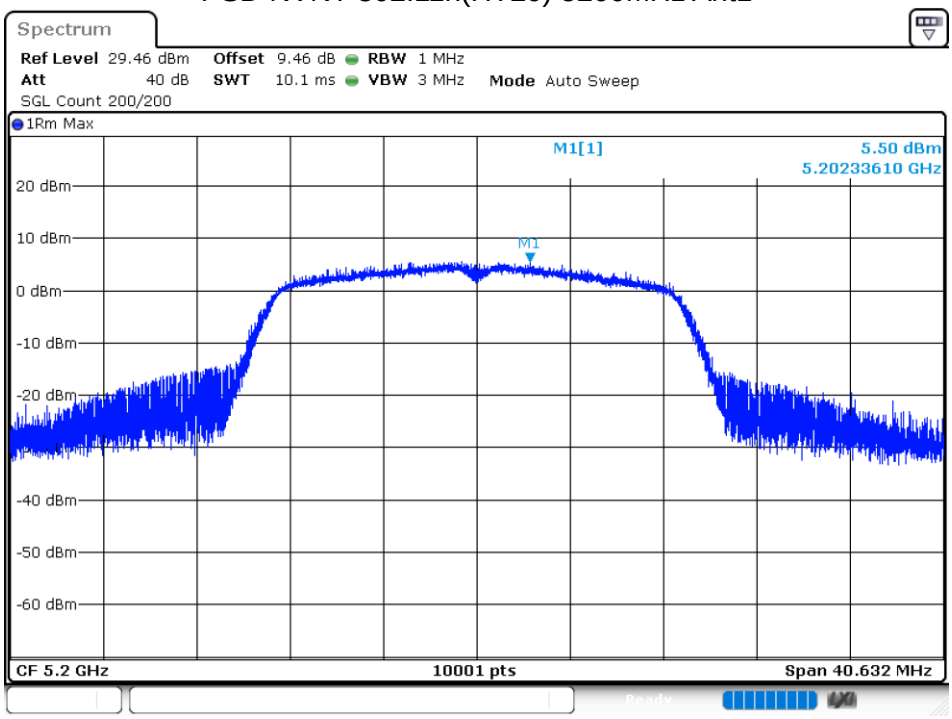

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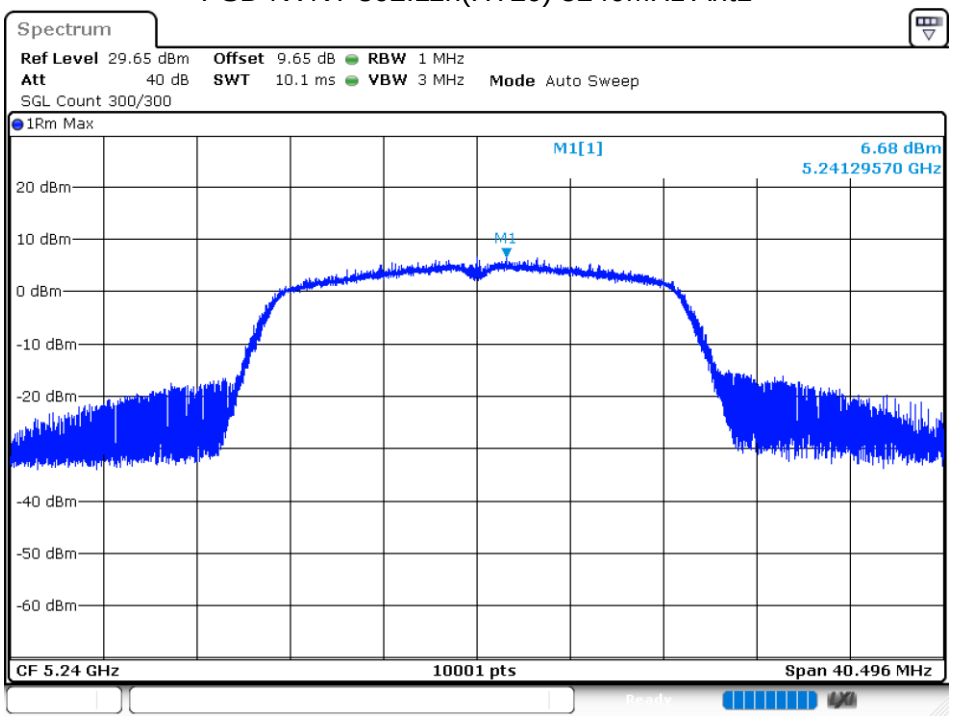
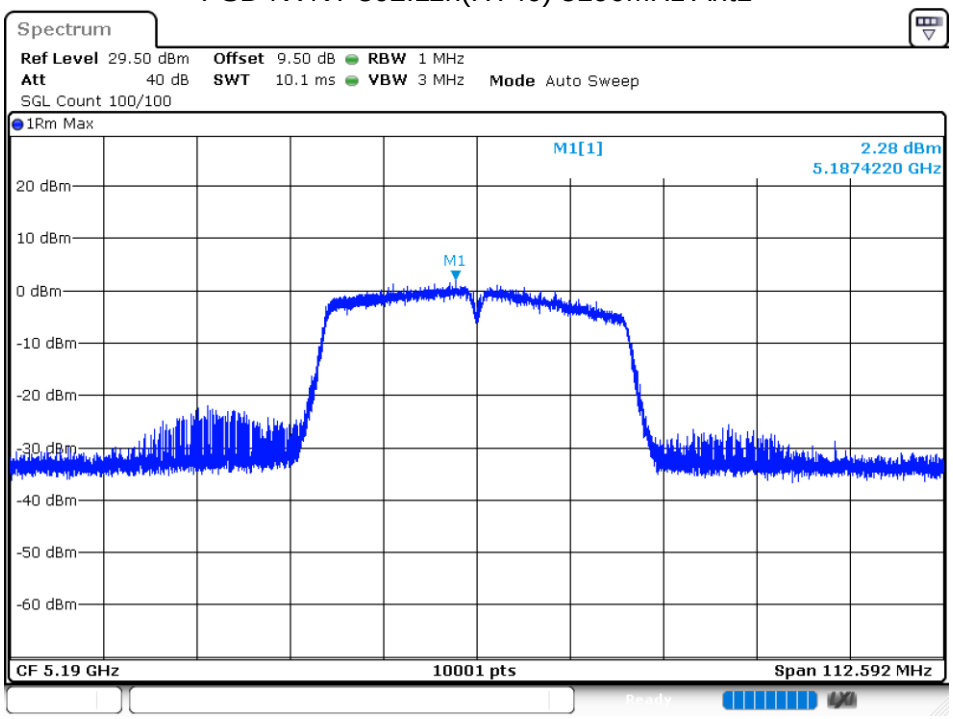
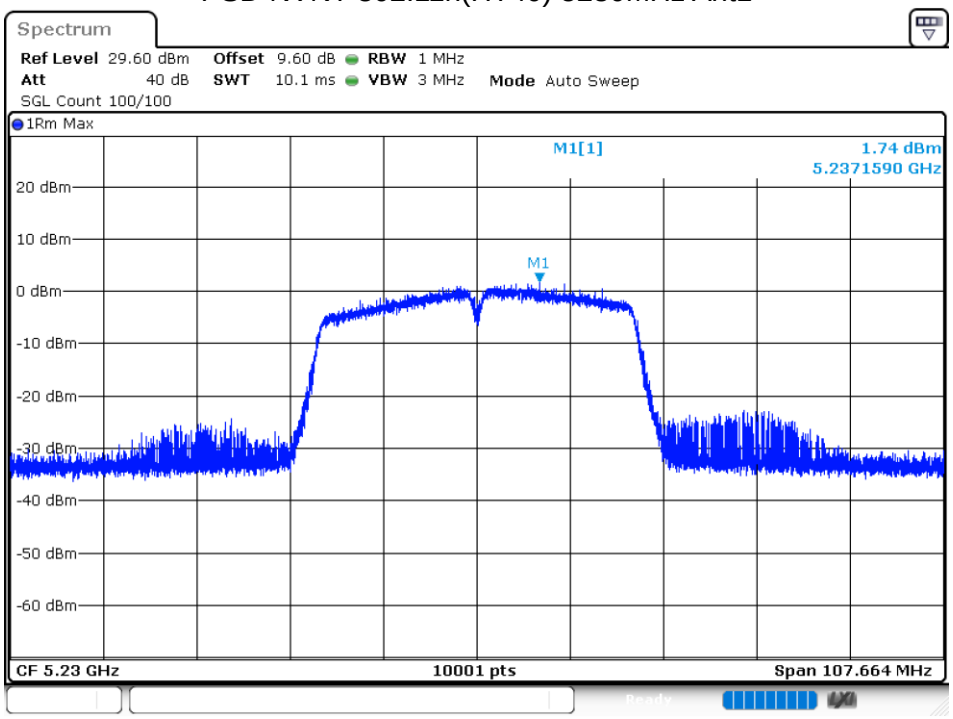


PSD NVNT 802.11n(HT40) 5190MHz Ant1



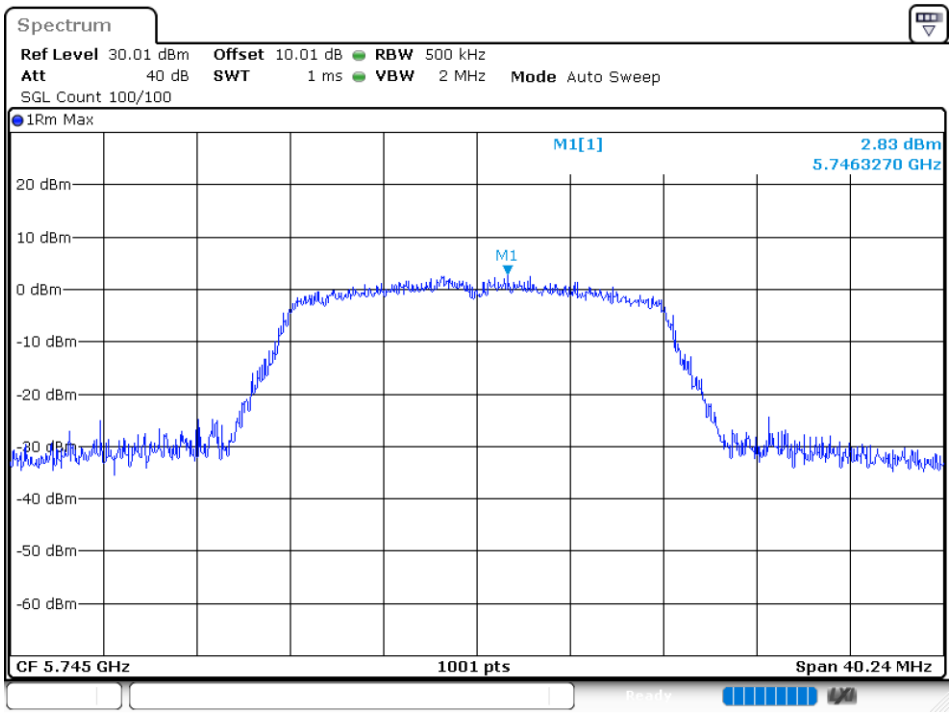
PSD NVNT 802.11n(HT40) 5230MHz Ant1



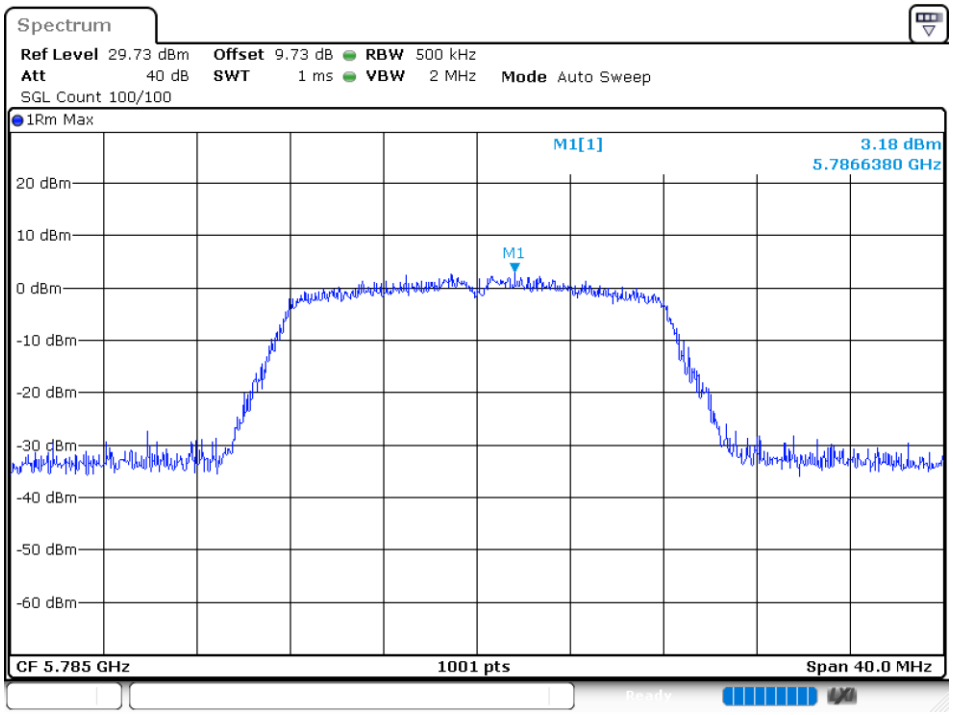
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	2.831	30	Pass
NVNT	802.11a	5785	Ant 1	3.179	30	Pass
NVNT	802.11a	5825	Ant 1	1.525	30	Pass
NVNT	802.11ac20	5745	Ant 1	1.828	30	Pass
NVNT	802.11ac20	5785	Ant 1	1.447	30	Pass
NVNT	802.11ac20	5825	Ant 1	0.677	30	Pass
NVNT	802.11ac40	5755	Ant 1	-1.7	30	Pass
NVNT	802.11ac40	5795	Ant 1	0.154	30	Pass
NVNT	802.11ac80	5775	Ant 1	-3.849	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	1.13	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	1.099	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	1.187	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-1.417	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-0.186	30	Pass

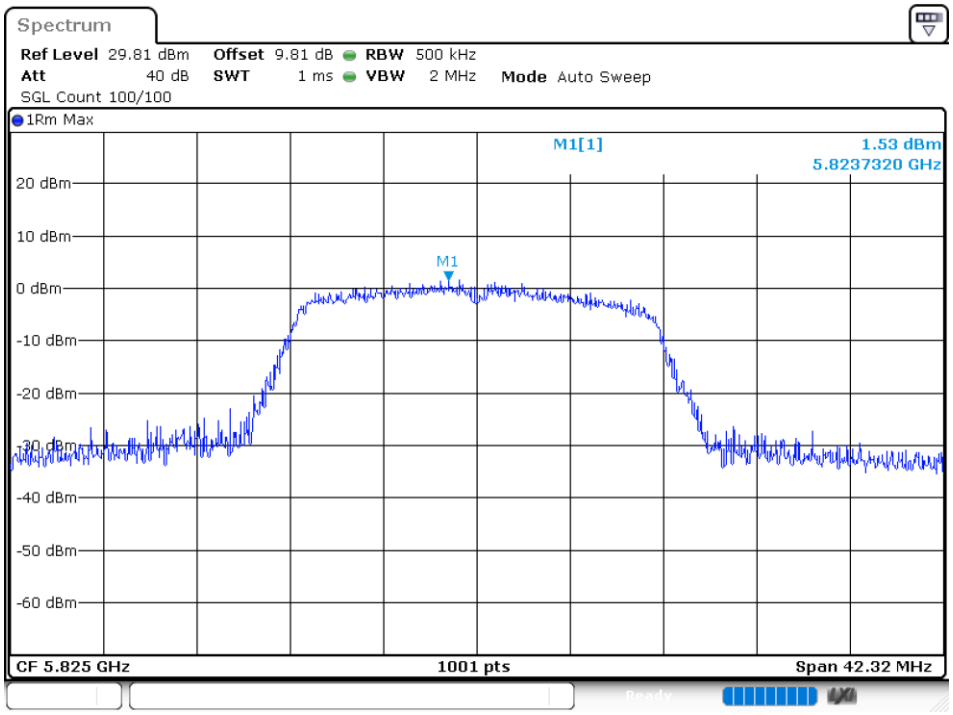
PSD NVNT 802.11a 5745MHz Ant1



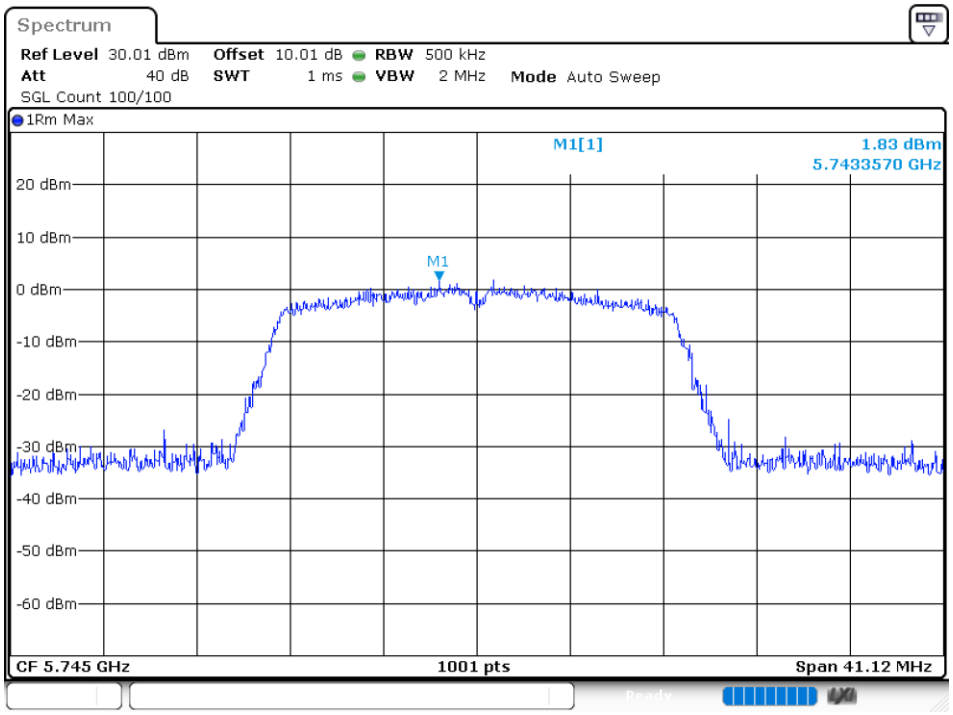
PSD NVNT 802.11a 5785MHz Ant1



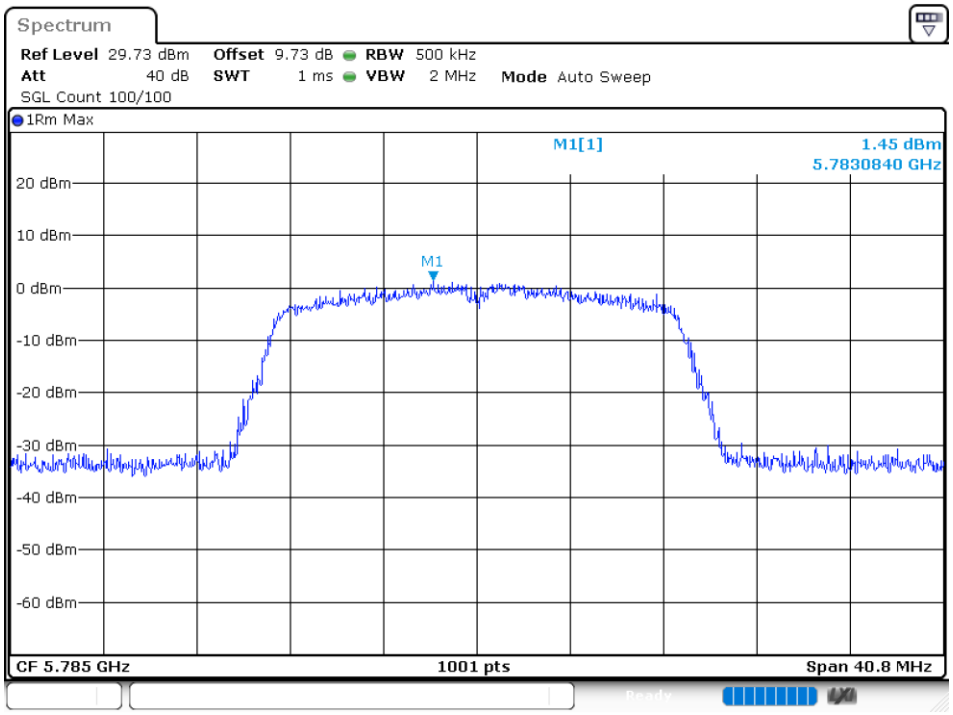
PSD NVNT 802.11a 5825MHz Ant1



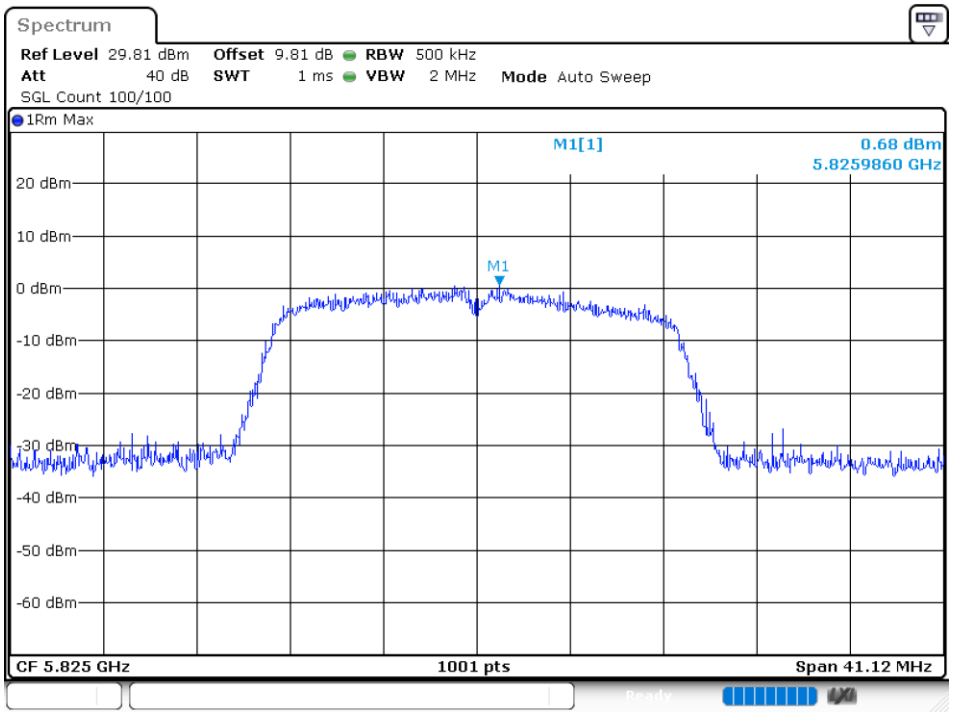
PSD NVNT 802.11ac20 5745MHz Ant1



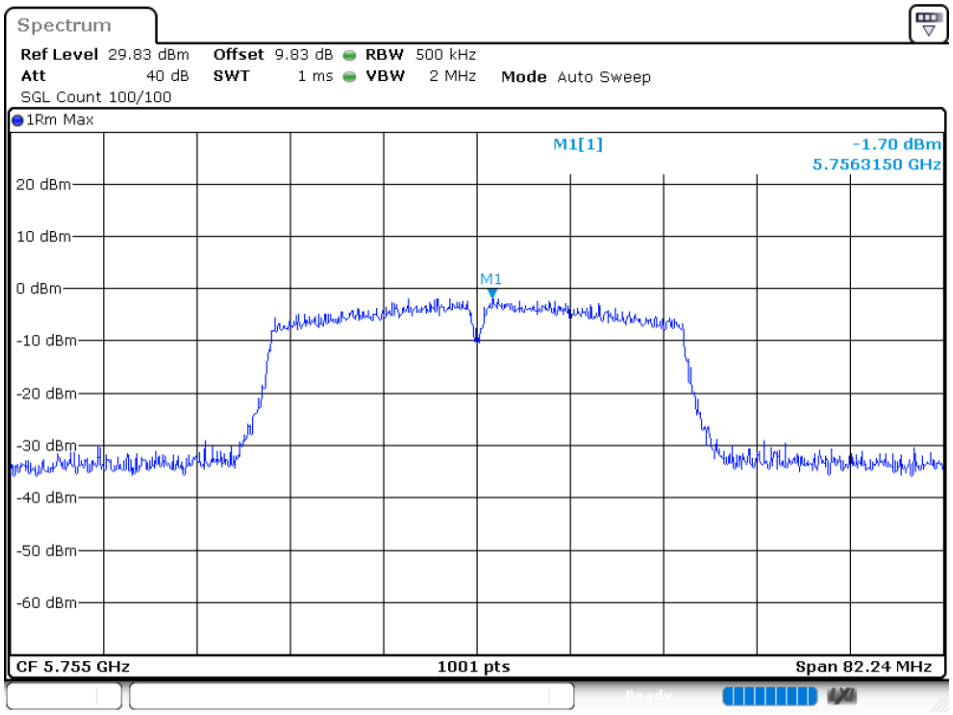
PSD NVNT 802.11ac20 5785MHz Ant1



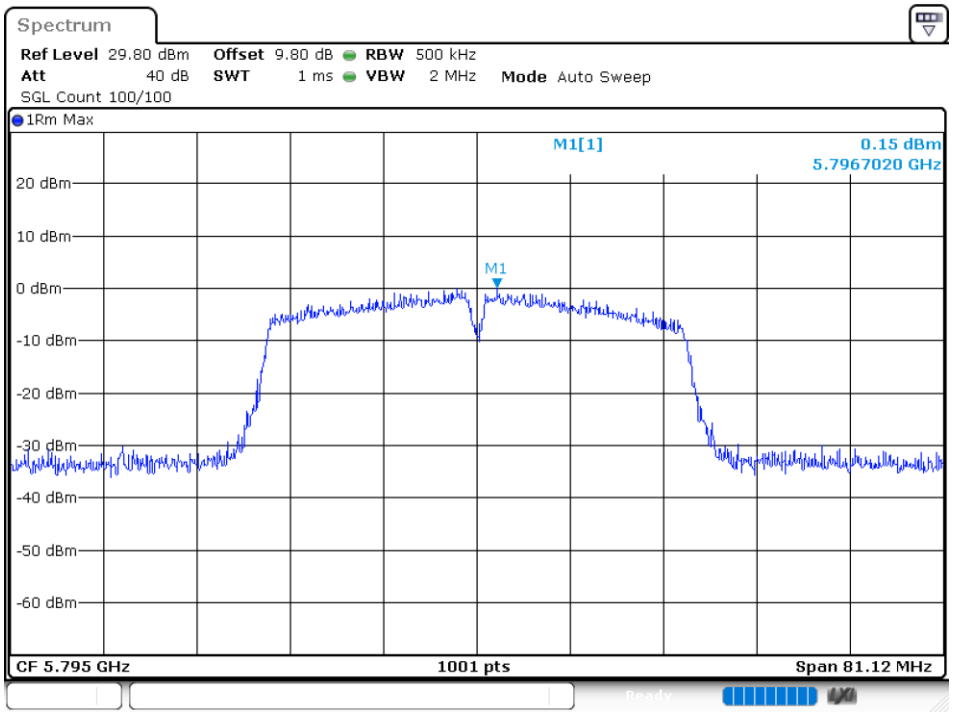
PSD NVNT 802.11ac20 5825MHz Ant1



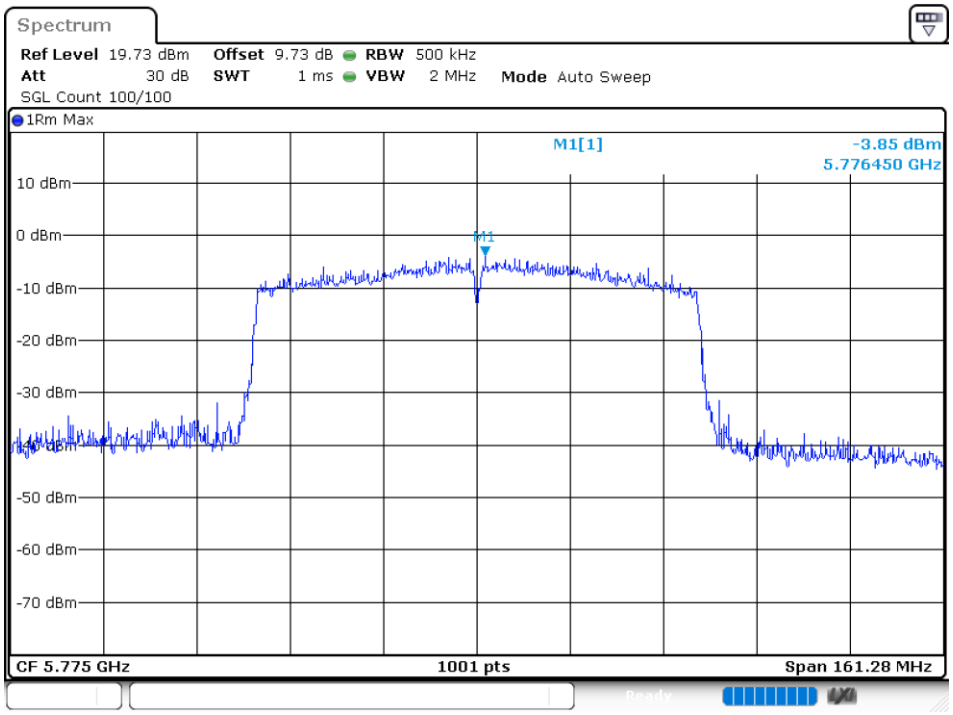
PSD NVNT 802.11ac40 5755MHz Ant1



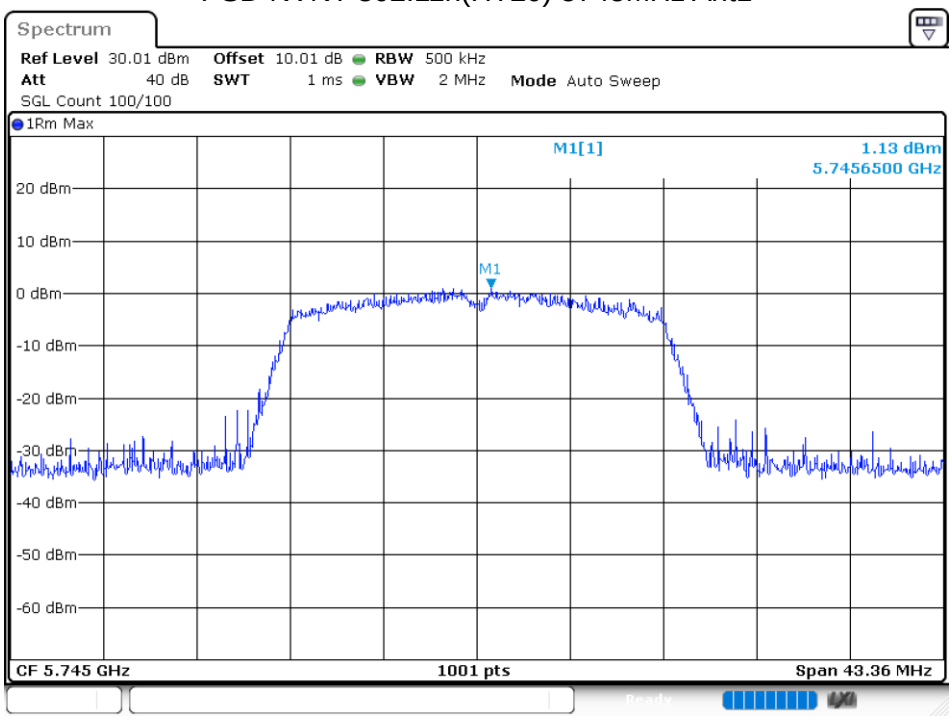
PSD NVNT 802.11ac40 5795MHz Ant1



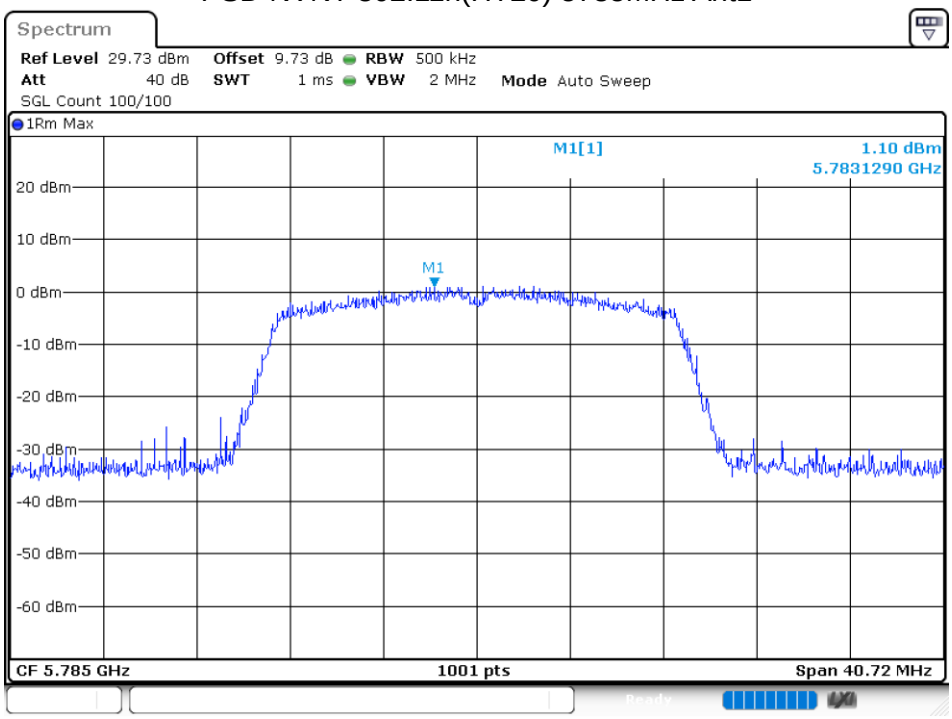
PSD NVNT 802.11ac80 5775MHz Ant1



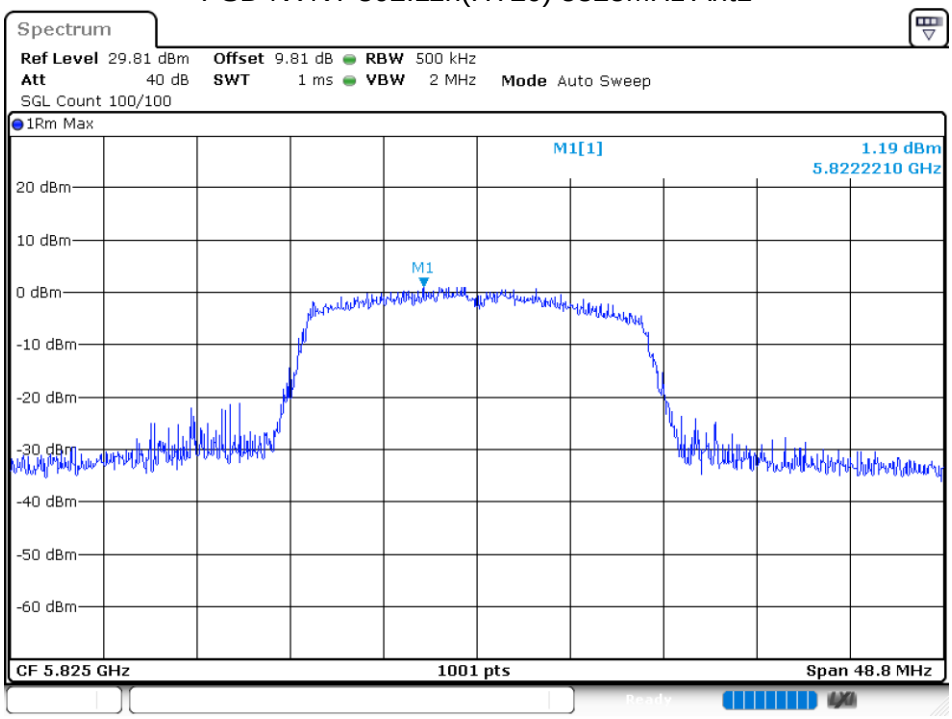
PSD NVNT 802.11n(HT20) 5745MHz Ant1



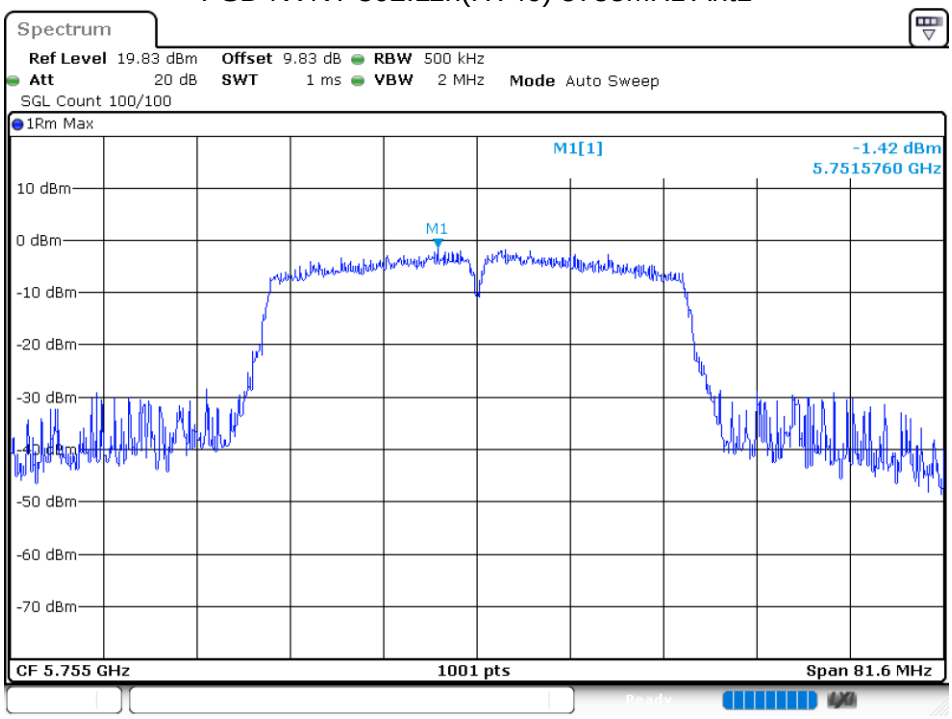
PSD NVNT 802.11n(HT20) 5785MHz Ant1



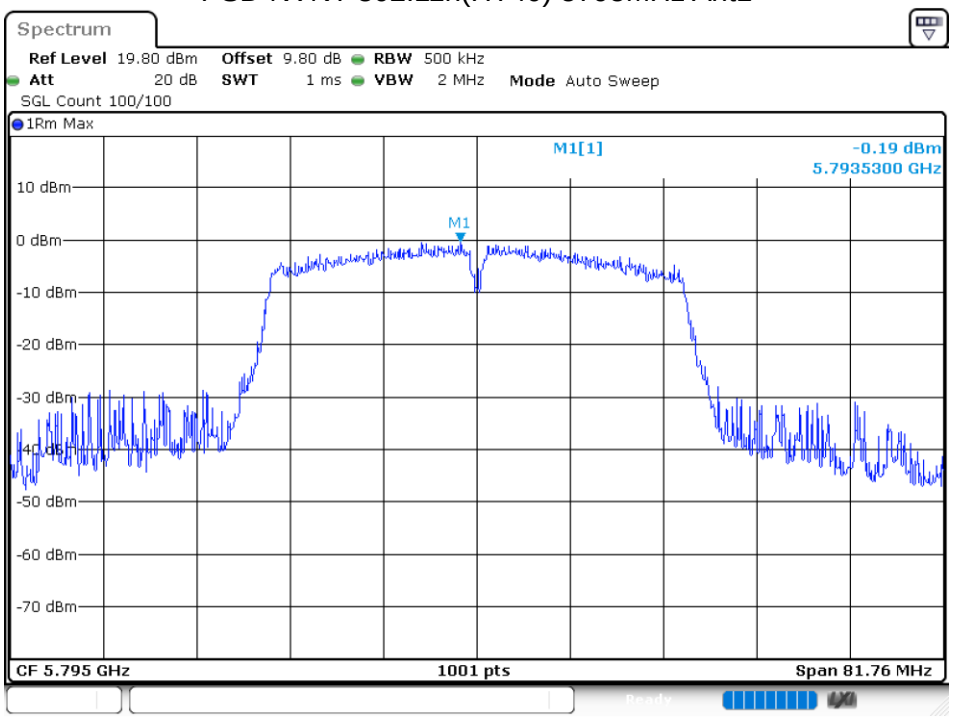
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



PSD NVNT 802.11n(HT40) 5795MHz Ant1

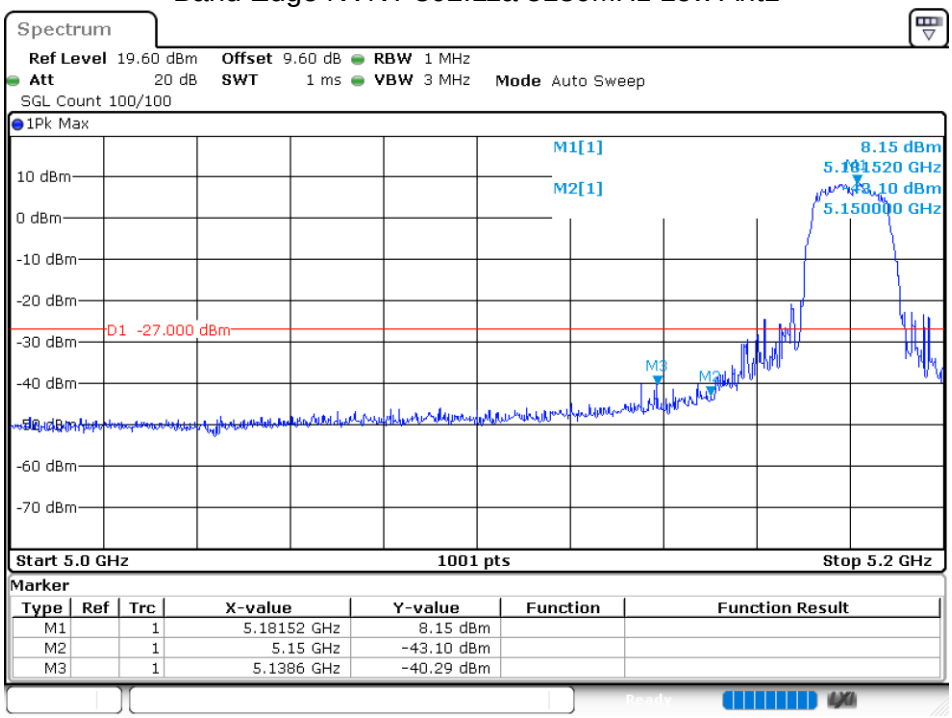


5.6 BAND EDGE

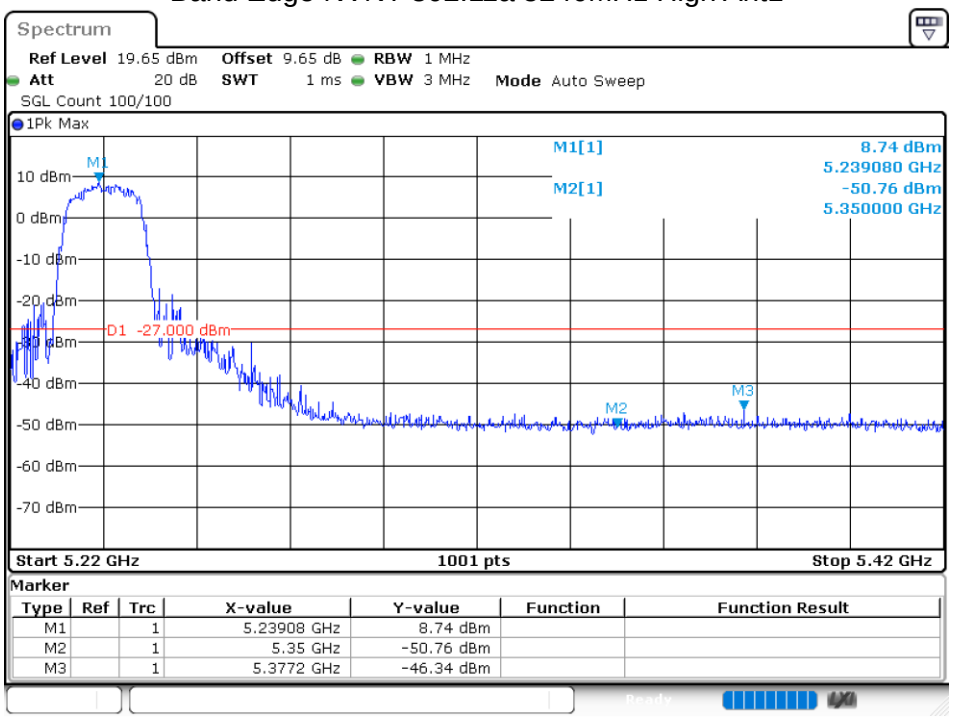
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-40.28	-27	Pass
NVNT	802.11a	5240	Ant 1	-46.34	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-33.84	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-46.39	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-33.22	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-47.1	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-45.91	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-32.33	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-30.68	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-46.32	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-30.74	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-46.67	-27	Pass

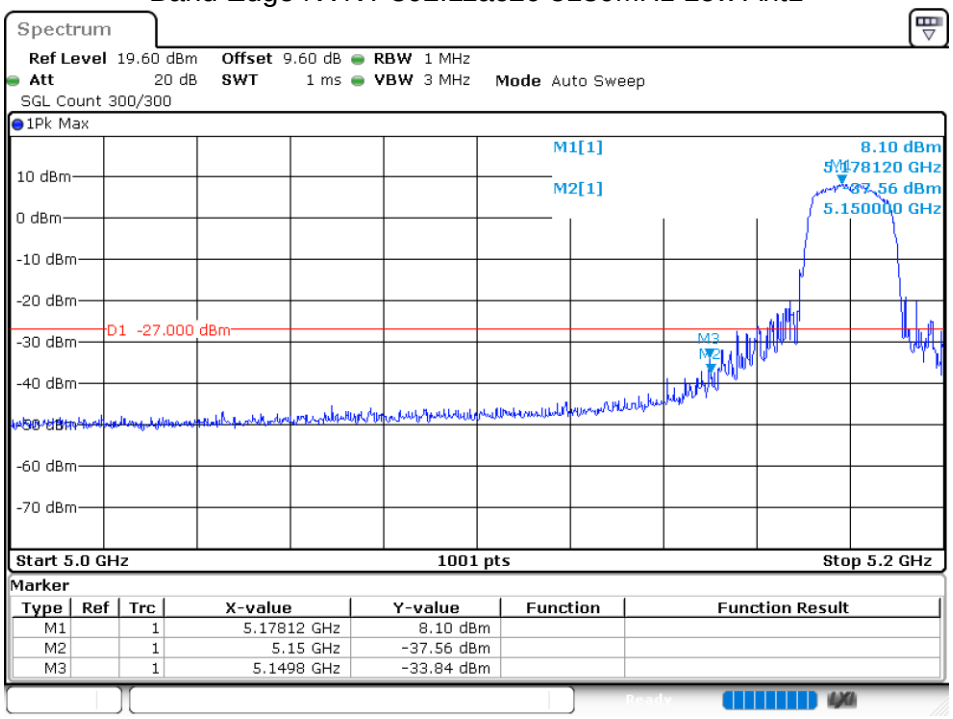
Band Edge NVNT 802.11a 5180MHz Low Ant1



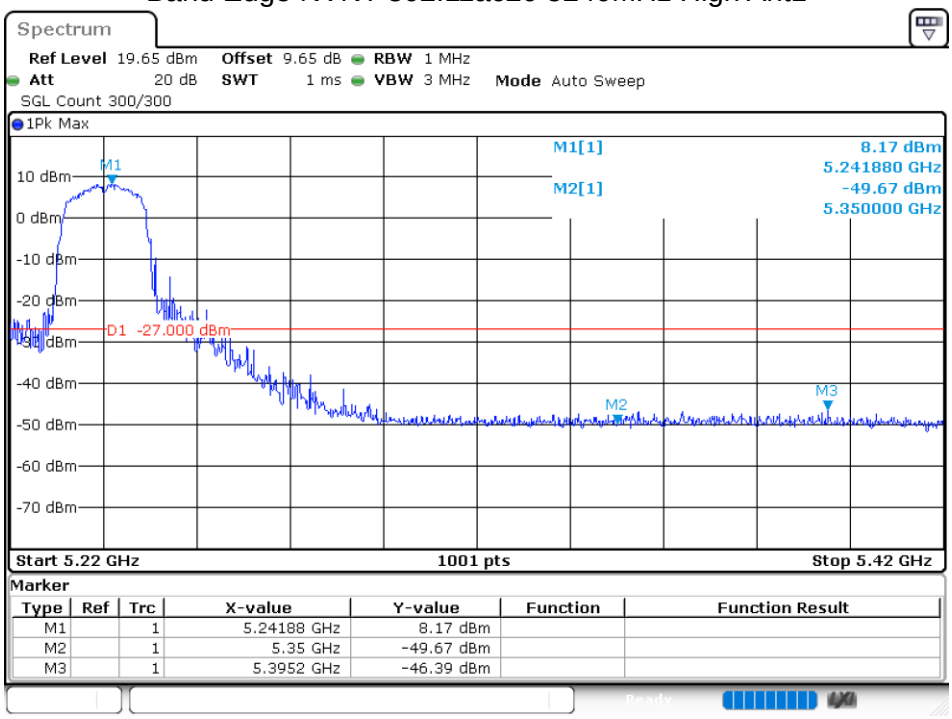
Band Edge NVNT 802.11a 5240MHz High Ant1



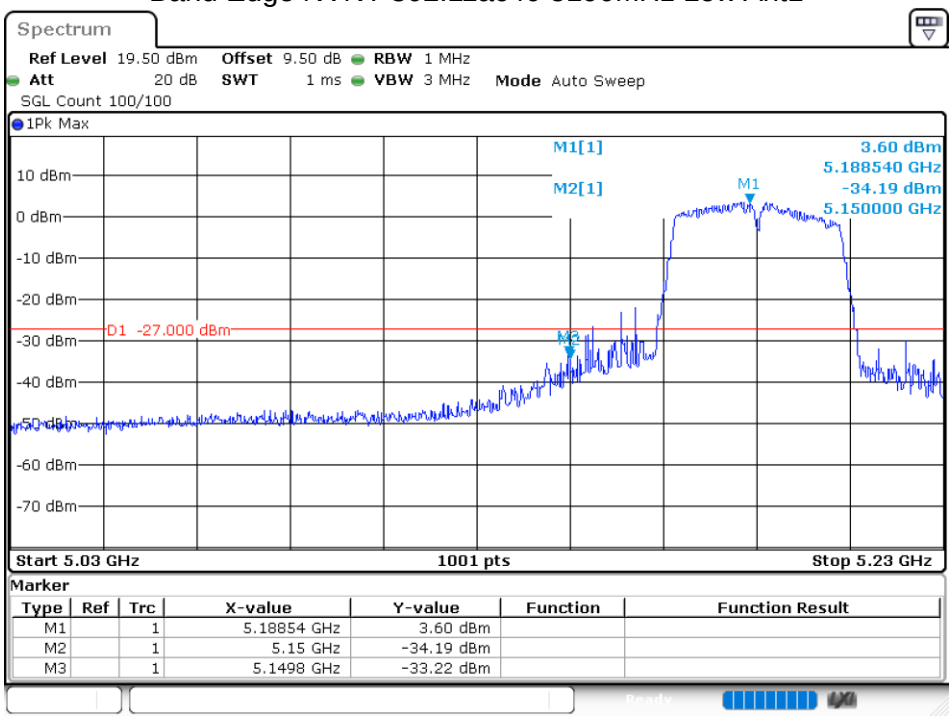
Band Edge NVNT 802.11ac20 5180MHz Low Ant1



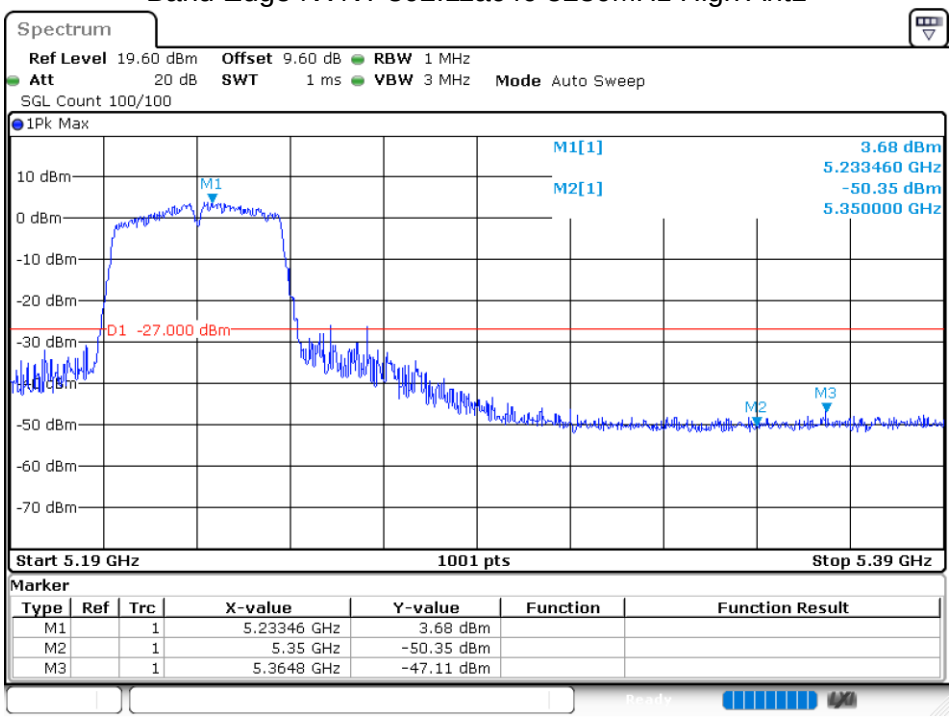
Band Edge NVNT 802.11ac20 5240MHz High Ant1



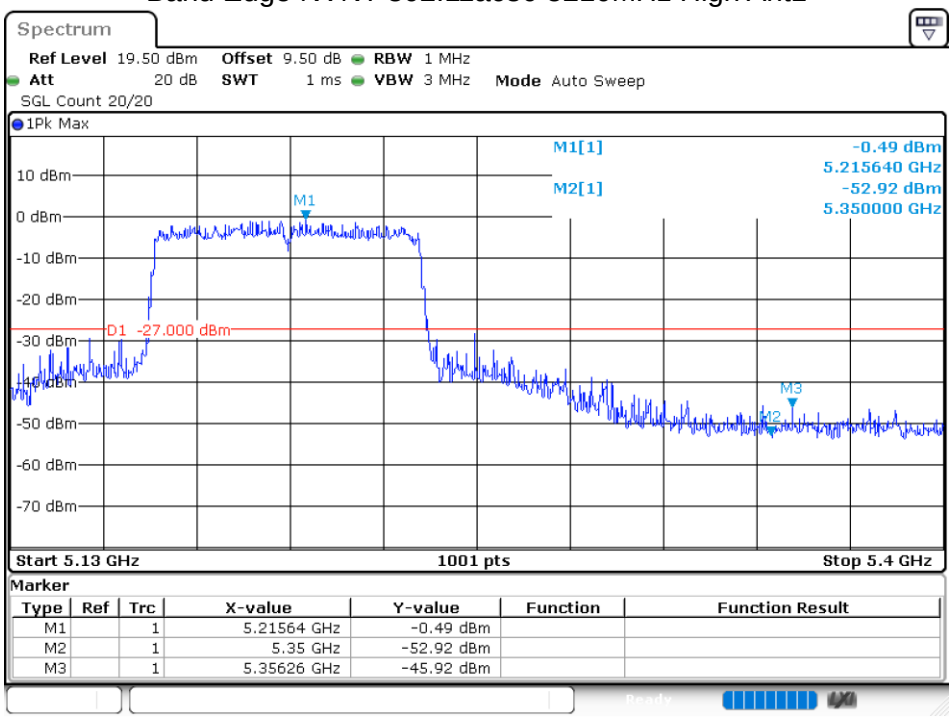
Band Edge NVNT 802.11ac40 5190MHz Low Ant1



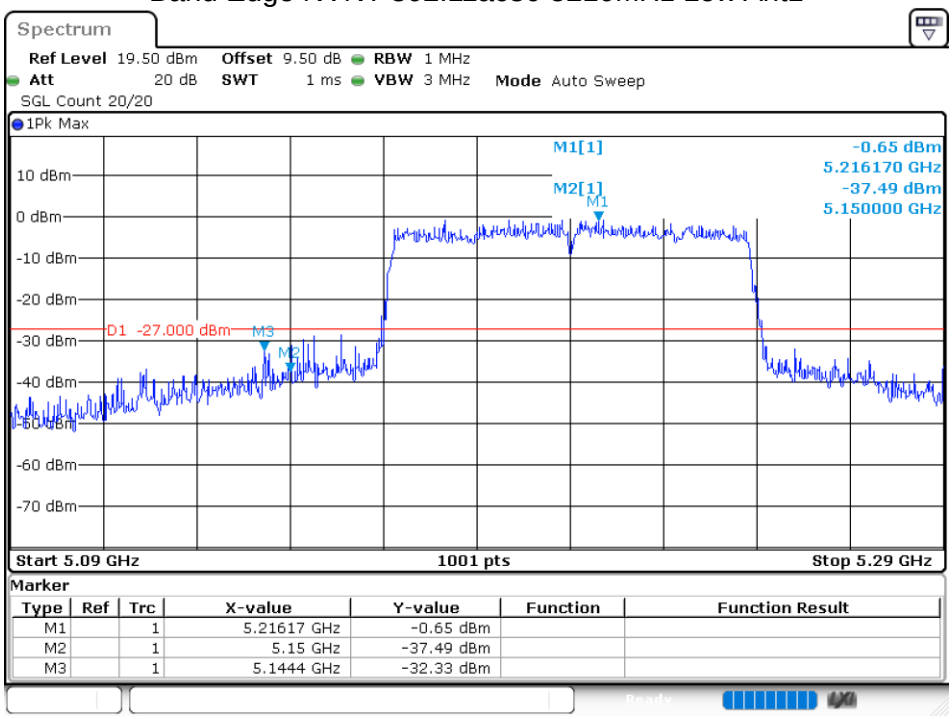
Band Edge NVNT 802.11ac40 5230MHz High Ant1



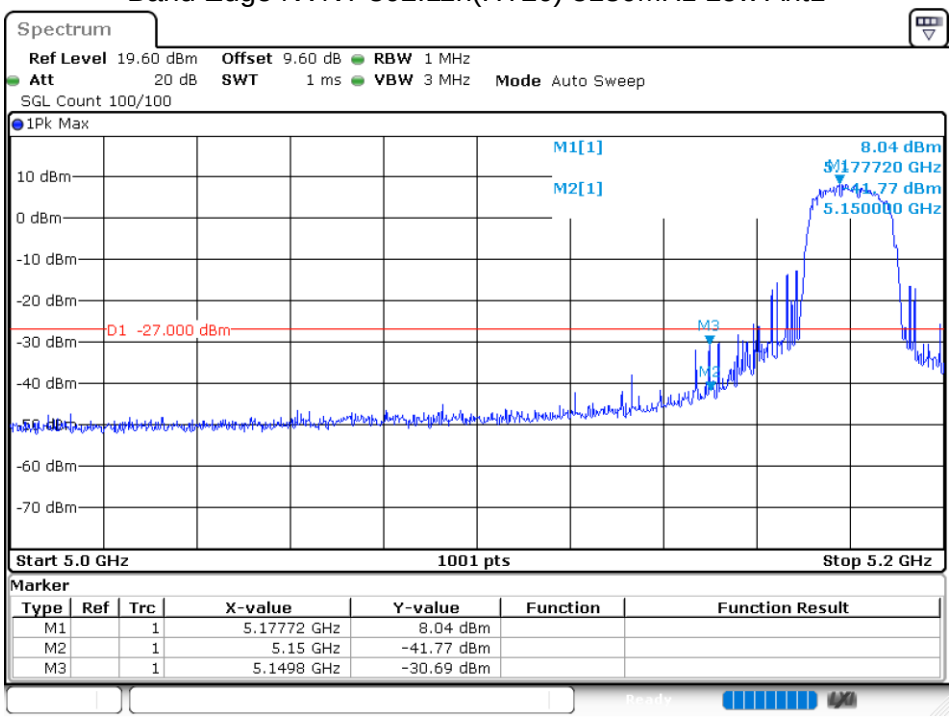
Band Edge NVNT 802.11ac80 5210MHz High Ant1



Band Edge NVNT 802.11ac80 5210MHz Low Ant1

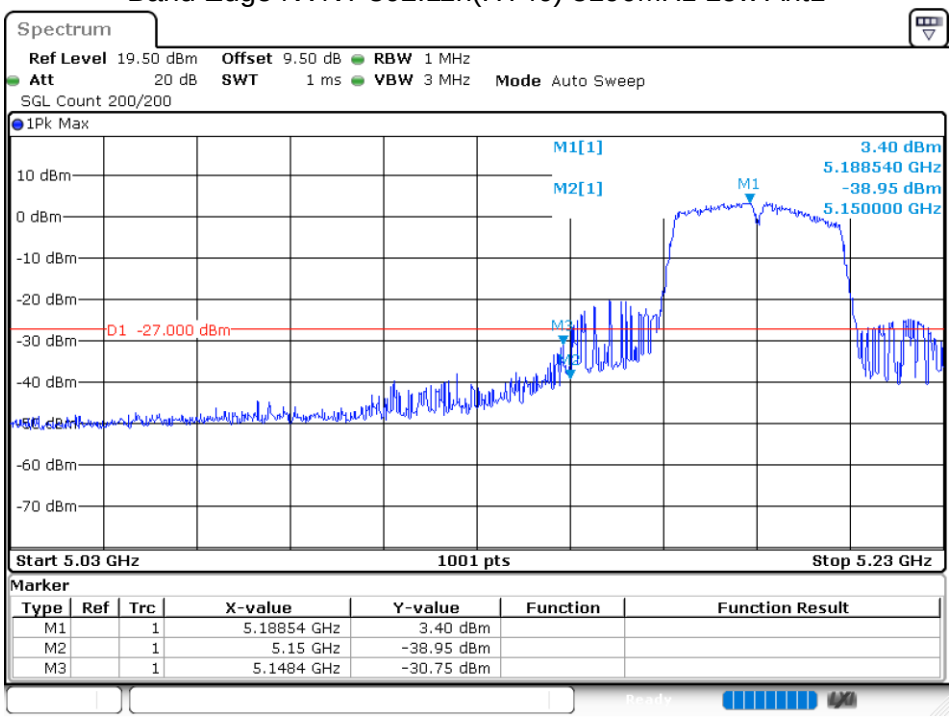


Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1

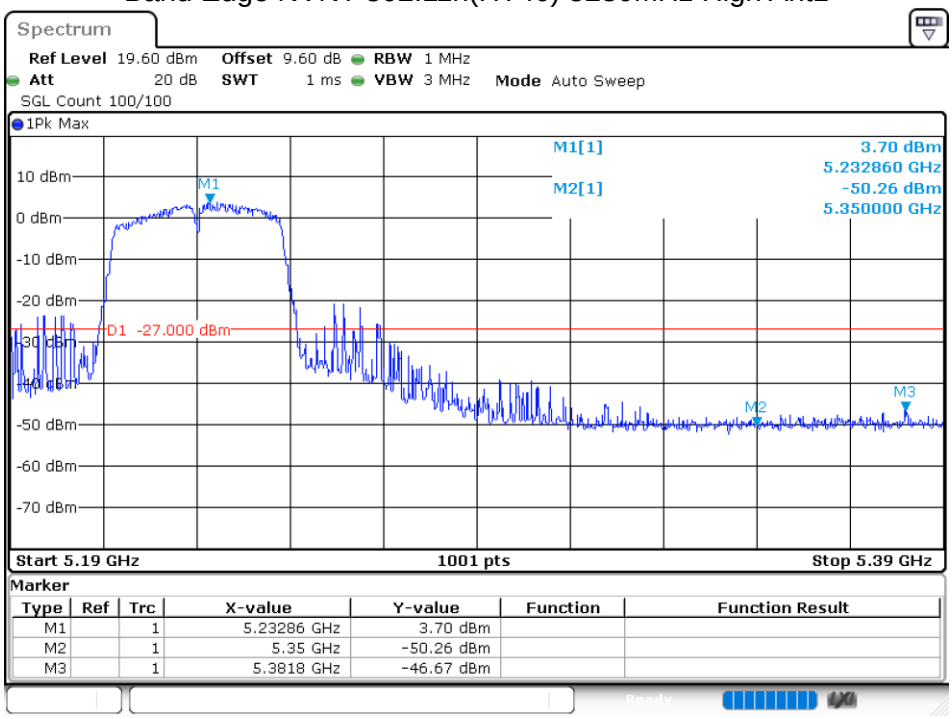


Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1

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



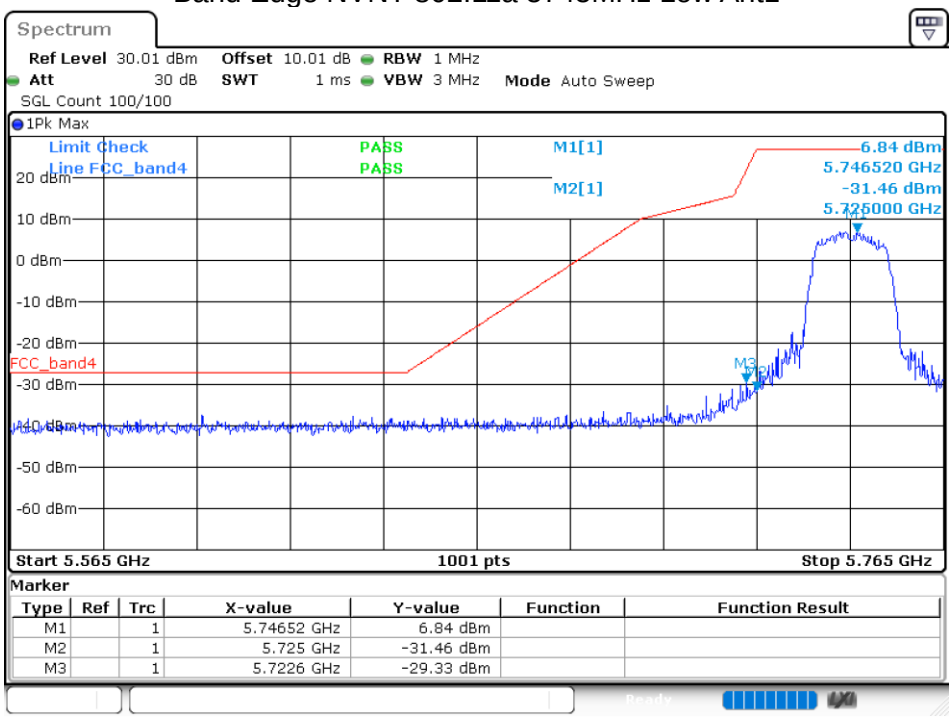
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1



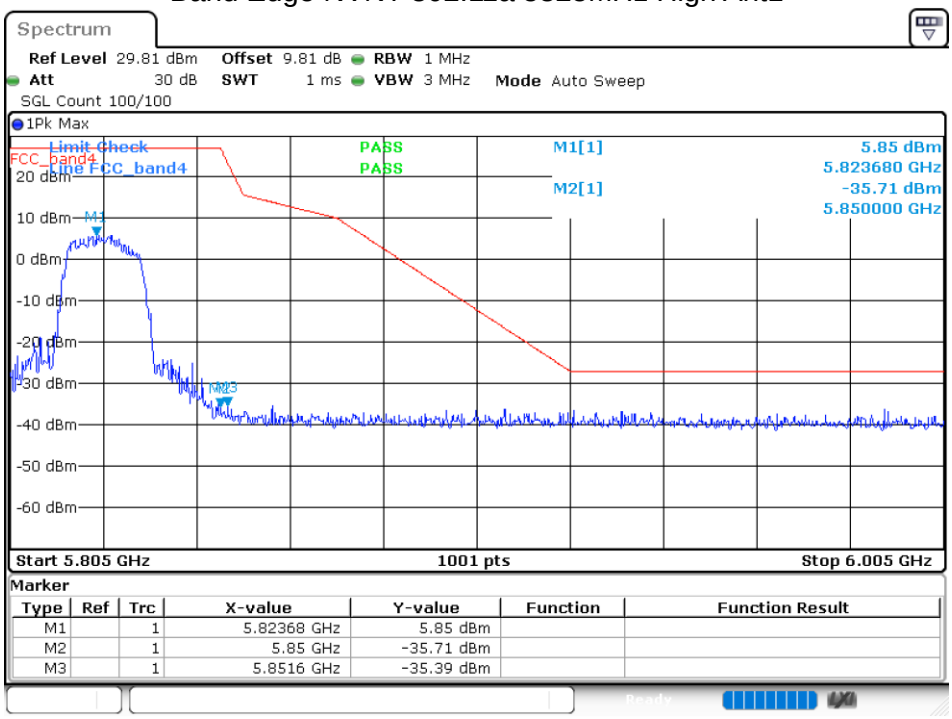
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-29.33	Pass
NVNT	802.11a	5825	Ant 1	-35.39	Pass
NVNT	802.11ac20	5745	Ant 1	-29.2	Pass
NVNT	802.11ac20	5825	Ant 1	-36.19	Pass
NVNT	802.11ac40	5755	Ant 1	-30.13	Pass
NVNT	802.11ac40	5795	Ant 1	-36.27	Pass
NVNT	802.11ac80	5775	Ant 1	-35.34	Pass
NVNT	802.11ac80	5775	Ant 1	-28.03	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-28.34	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-33.91	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-21.97	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-36.13	Pass

Band Edge NVNT 802.11a 5745MHz Low Ant1



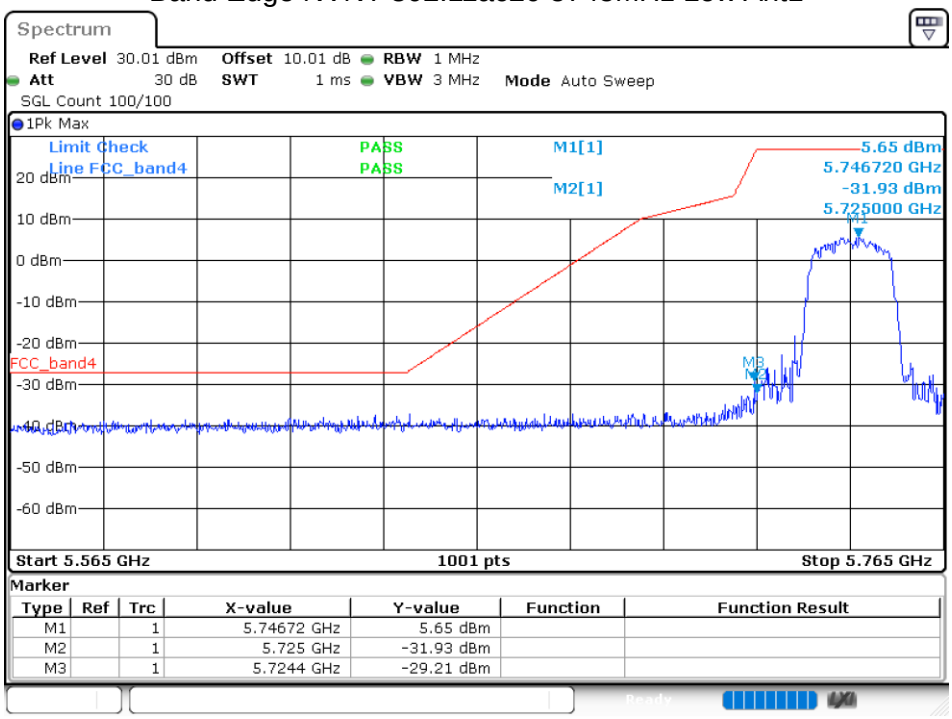
Band Edge NVNT 802.11a 5825MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82368 GHz	5.85 dBm		
M2		1	5.85 GHz	-35.71 dBm		
M3		1	5.8516 GHz	-35.39 dBm		

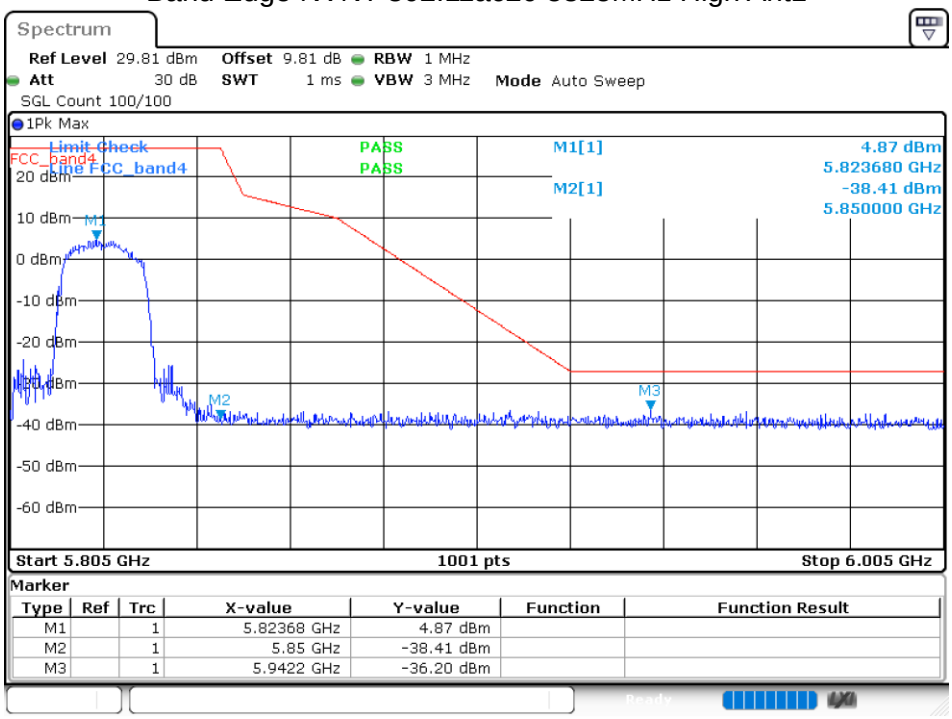
Band Edge NVNT 802.11ac20 5745MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74672 GHz	5.65 dBm		
M2		1	5.725 GHz	-31.93 dBm		
M3		1	5.7244 GHz	-29.21 dBm		

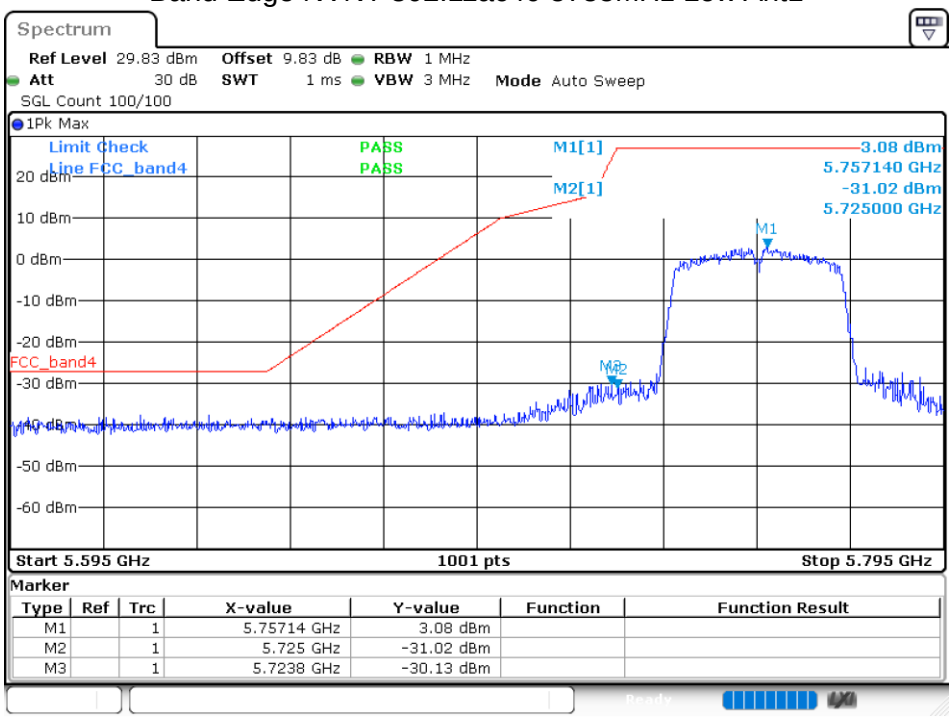
Band Edge NVNT 802.11ac20 5825MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82368 GHz	4.87 dBm		
M2		1	5.85 GHz	-38.41 dBm		
M3		1	5.9422 GHz	-36.20 dBm		

Band Edge NVNT 802.11ac40 5755MHz Low Ant1



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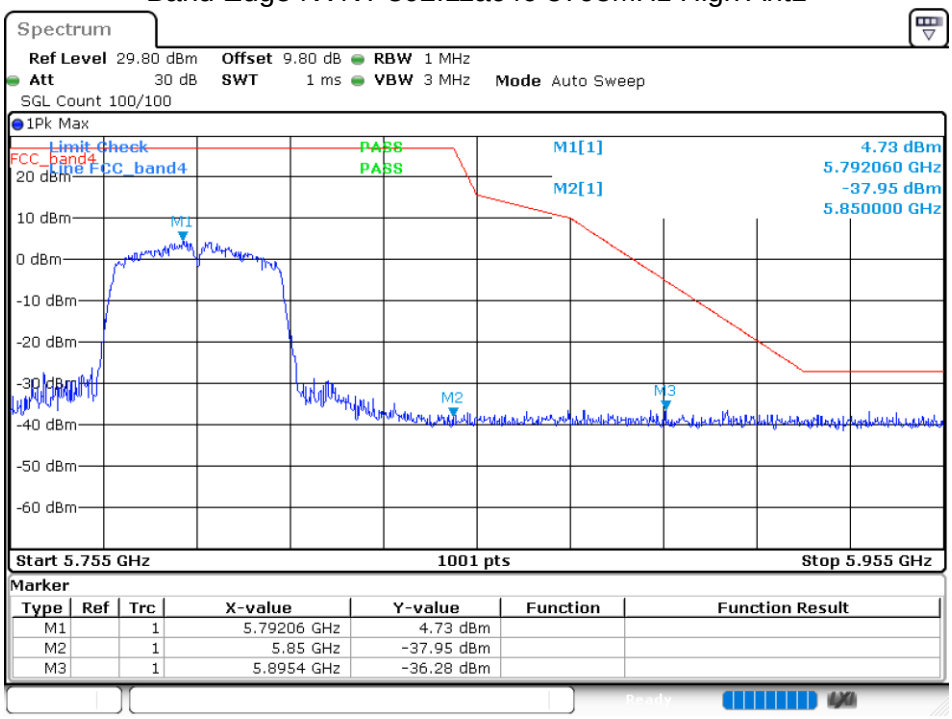
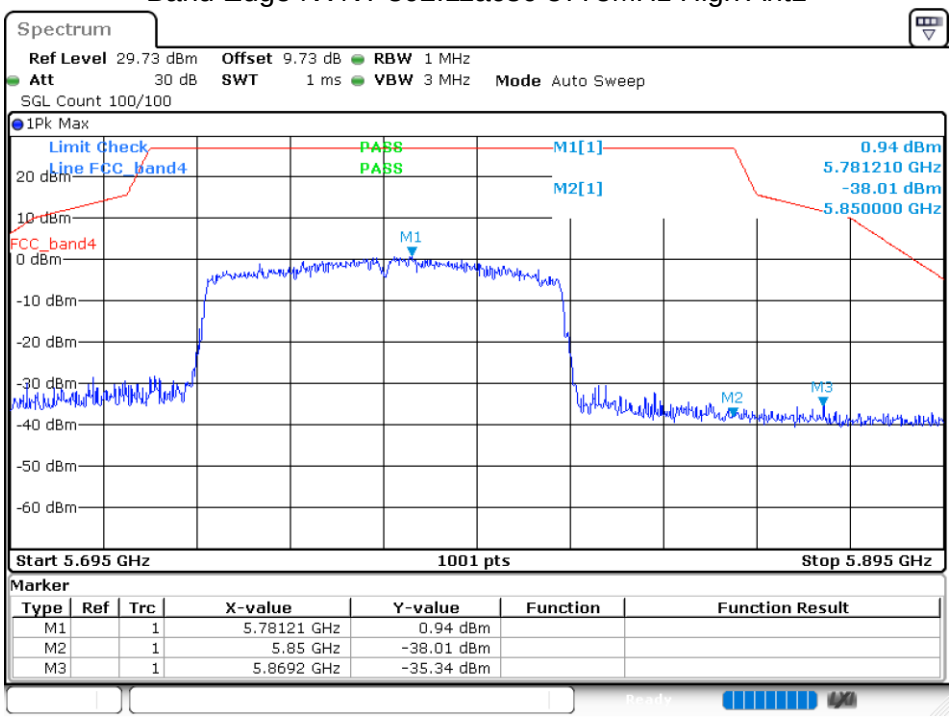
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.75714 GHz	3.08 dBm		
M2		1	5.725 GHz	-31.02 dBm		
M3		1	5.7238 GHz	-30.13 dBm		

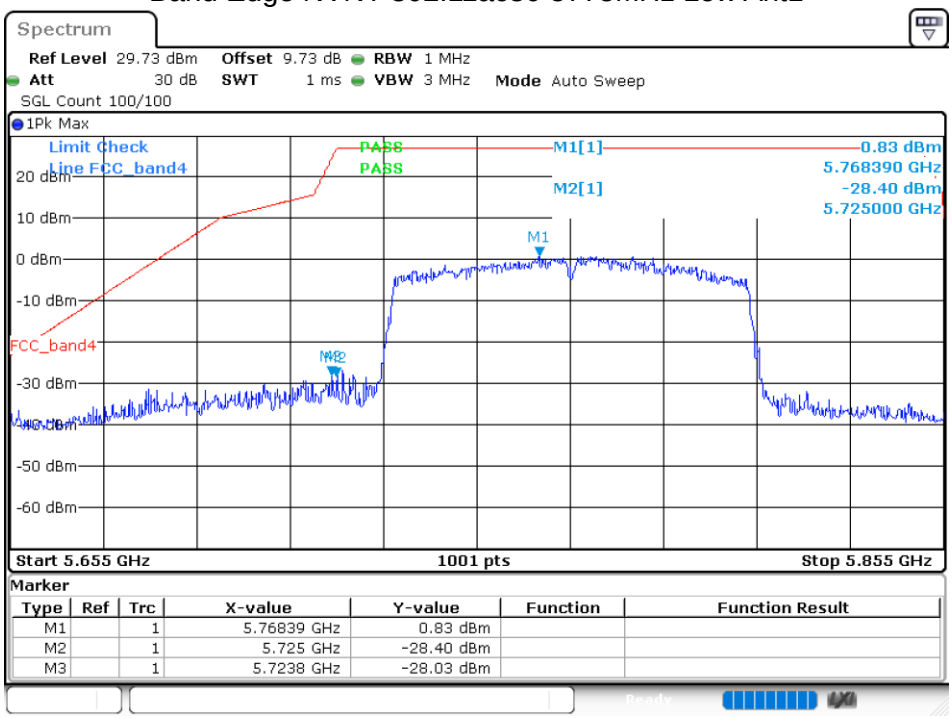
Band Edge NVNT 802.11ac40 5795MHz High Ant1



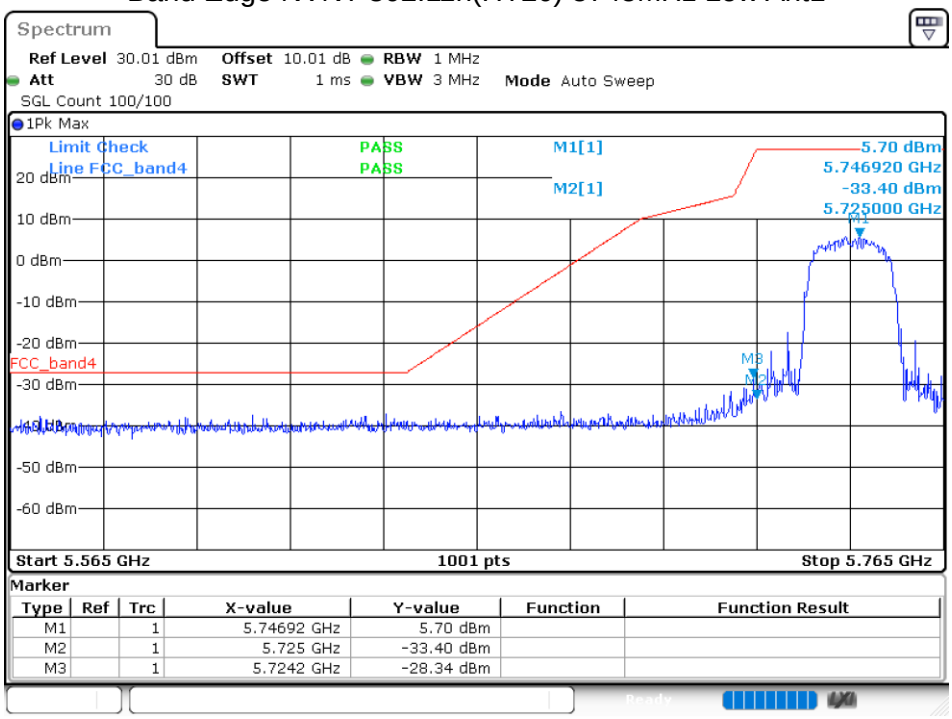
Band Edge NVNT 802.11ac80 5775MHz High Ant1



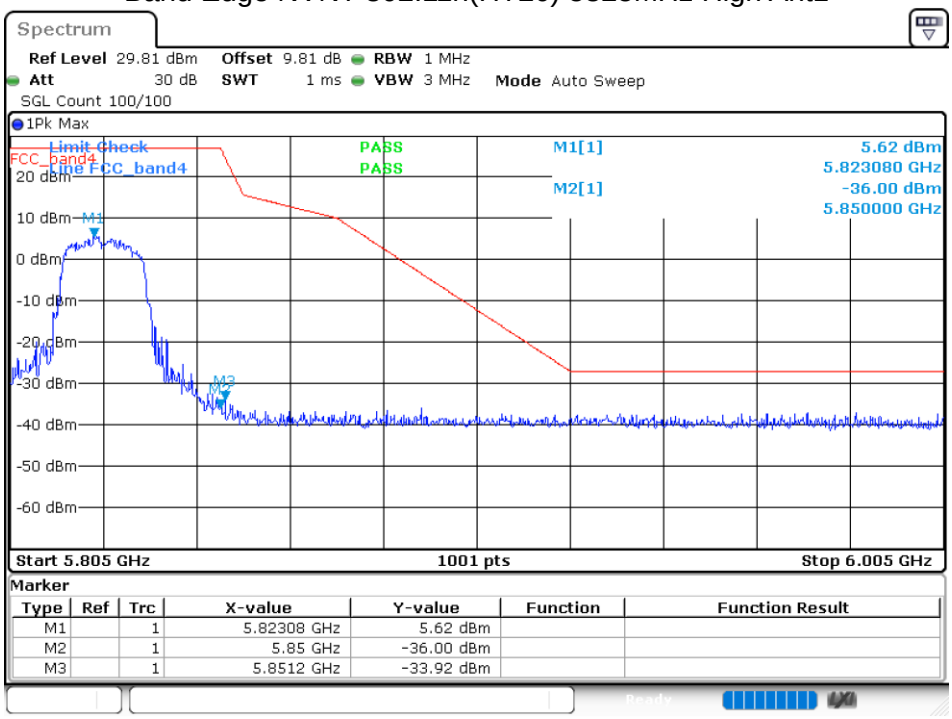
Band Edge NVNT 802.11ac80 5775MHz Low Ant1



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



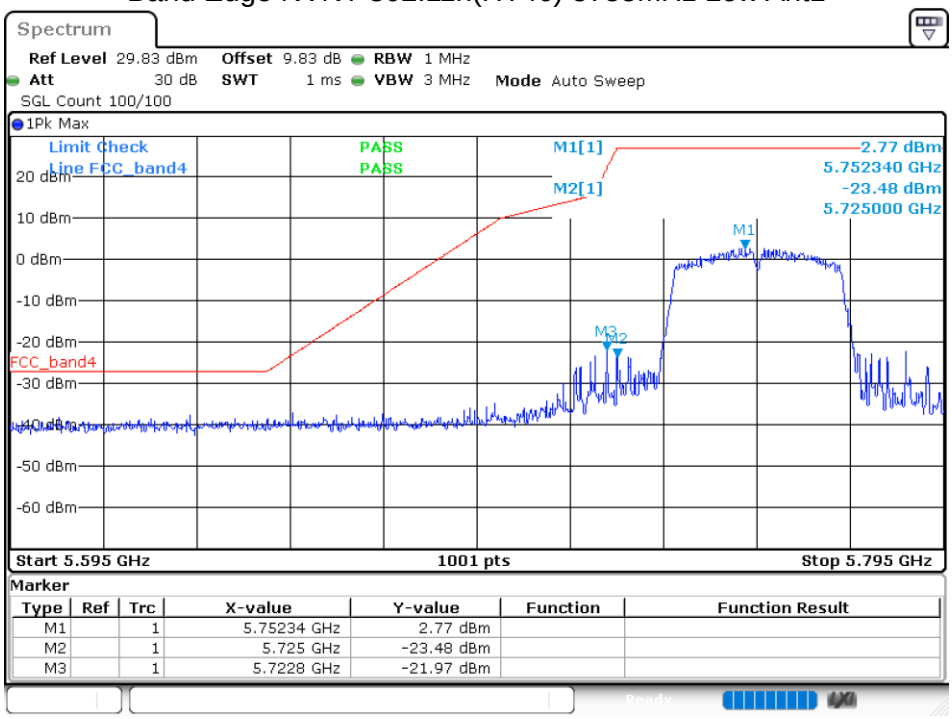
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82308 GHz	5.62 dBm		
M2		1	5.85 GHz	-36.00 dBm		
M3		1	5.8512 GHz	-33.92 dBm		

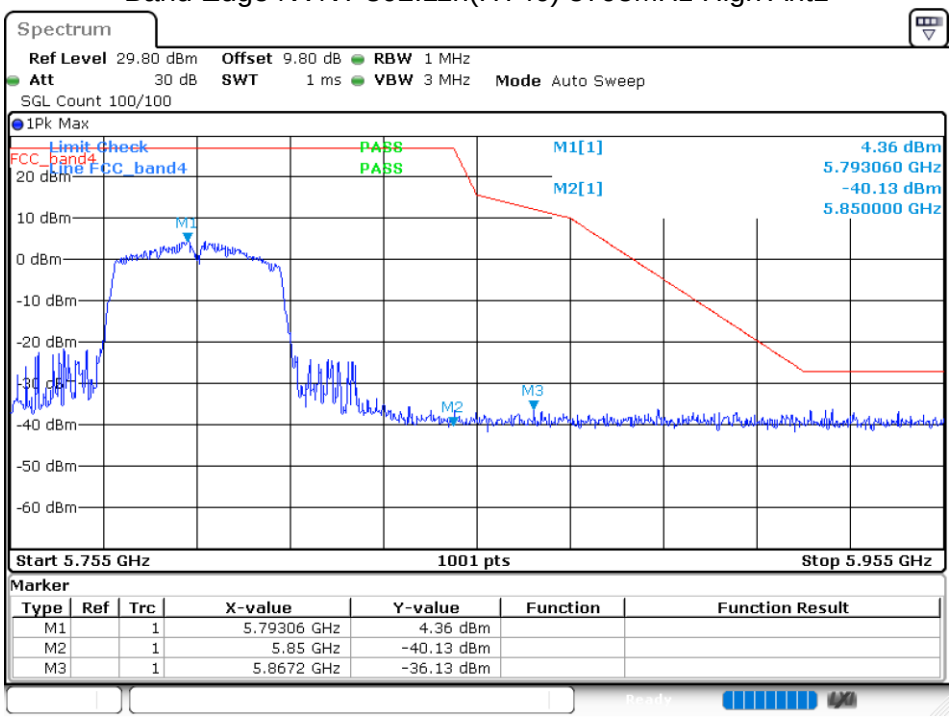
Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.75234 GHz	2.77 dBm		
M2		1	5.725 GHz	-23.48 dBm		
M3		1	5.7228 GHz	-21.97 dBm		

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

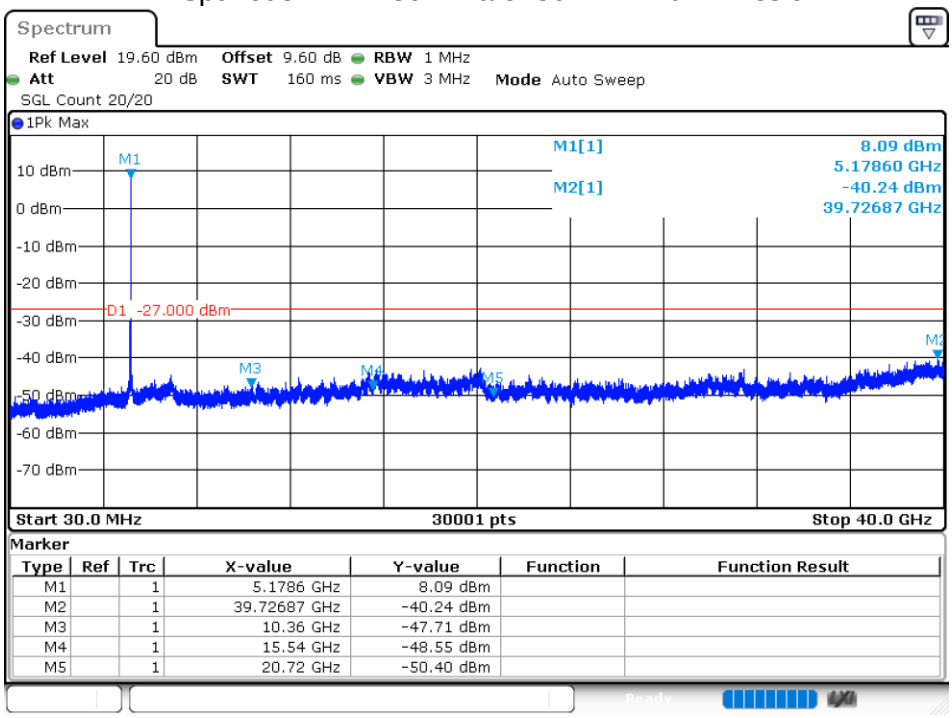


5.6 CONDUCTED RF SPURIOUS EMISSION

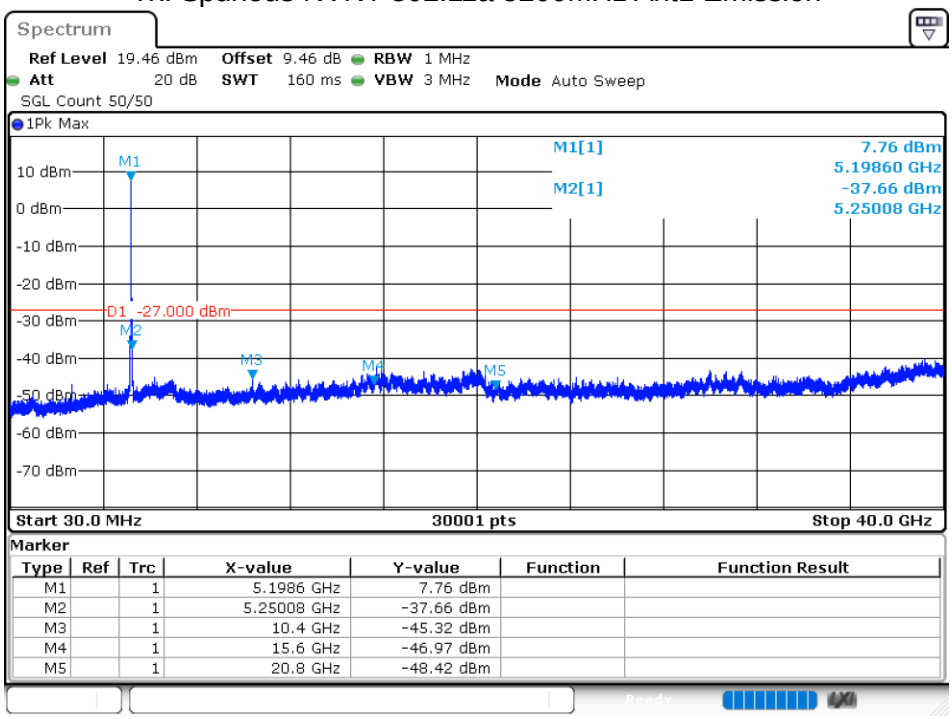
5.2G:

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-40.23	-27	Pass
NVNT	802.11a	5200	Ant 1	-37.65	-27	Pass
NVNT	802.11a	5240	Ant 1	-40.62	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-40.84	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-40.76	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-40.33	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-41.22	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-40.61	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-40.02	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-40.45	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-39.38	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-40.97	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-40.18	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-40.39	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



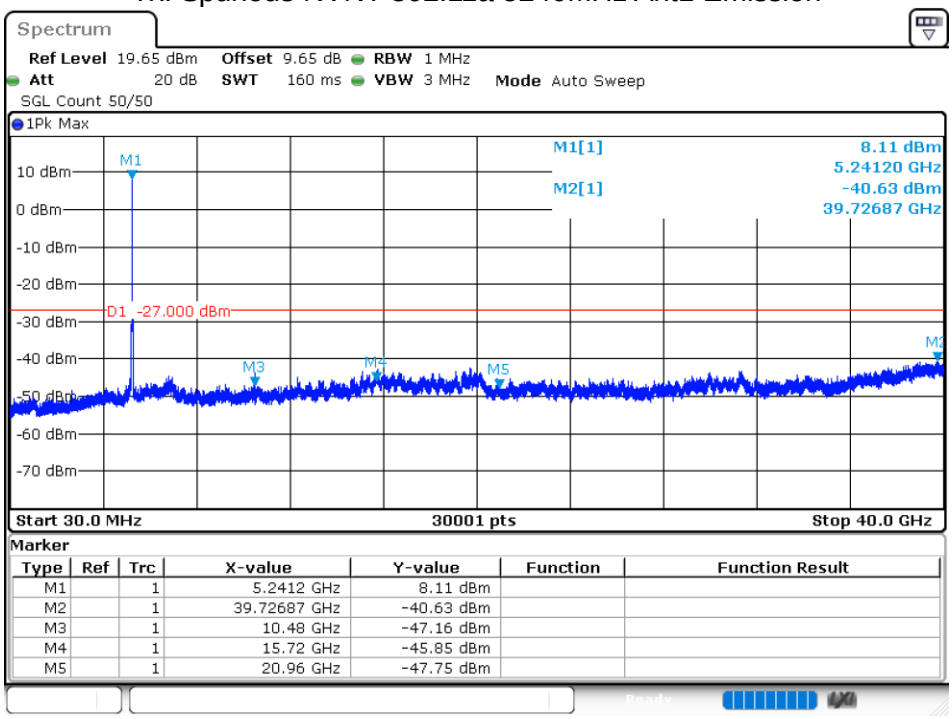
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1986 GHz	7.76 dBm		
M2		1	5.25008 GHz	-37.66 dBm		
M3		1	10.4 GHz	-45.32 dBm		
M4		1	15.6 GHz	-46.97 dBm		
M5		1	20.8 GHz	-48.42 dBm		

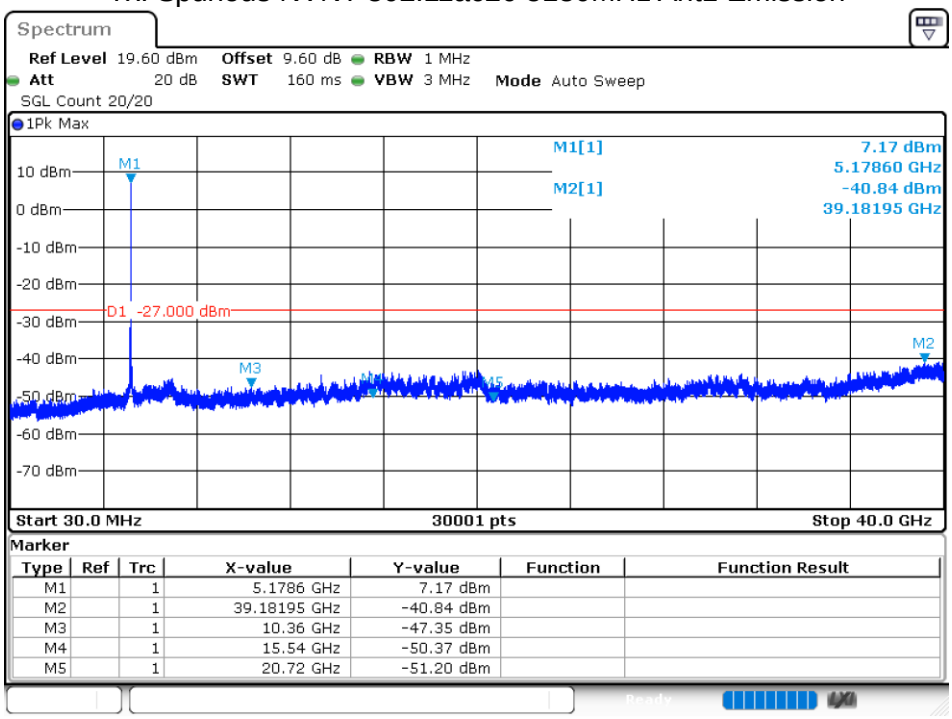
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2412 GHz	8.11 dBm		
M2		1	39.72687 GHz	-40.63 dBm		
M3		1	10.48 GHz	-47.16 dBm		
M4		1	15.72 GHz	-45.85 dBm		
M5		1	20.96 GHz	-47.75 dBm		

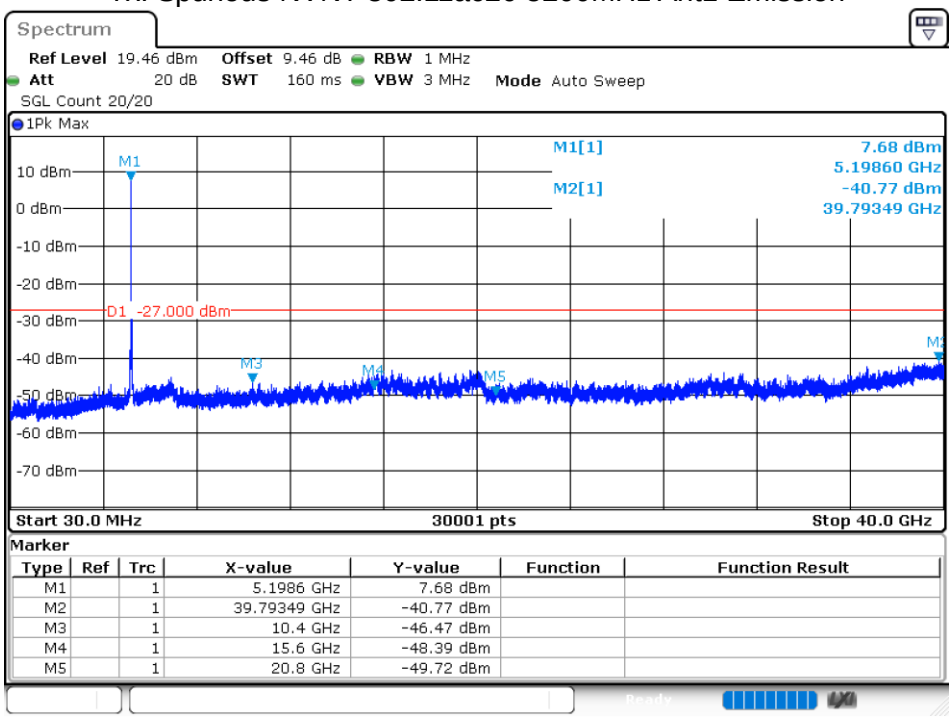
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1786 GHz	7.17 dBm		
M2		1	39.18195 GHz	-40.84 dBm		
M3		1	10.36 GHz	-47.35 dBm		
M4		1	15.54 GHz	-50.37 dBm		
M5		1	20.72 GHz	-51.20 dBm		

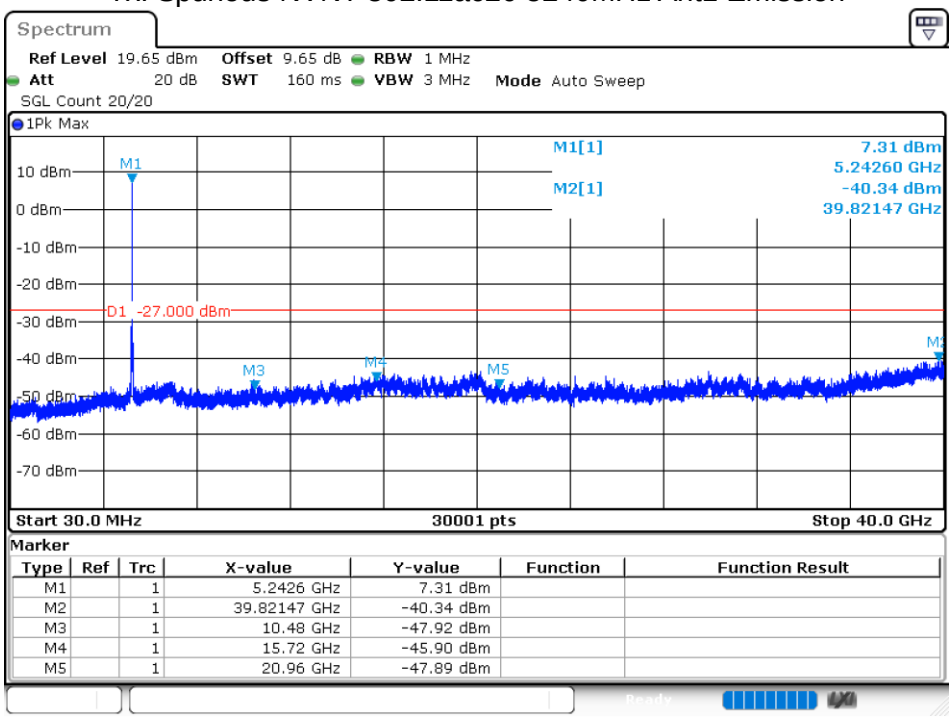
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1986 GHz	7.68 dBm		
M2		1	39.79349 GHz	-40.77 dBm		
M3		1	10.4 GHz	-46.47 dBm		
M4		1	15.6 GHz	-48.39 dBm		
M5		1	20.8 GHz	-49.72 dBm		

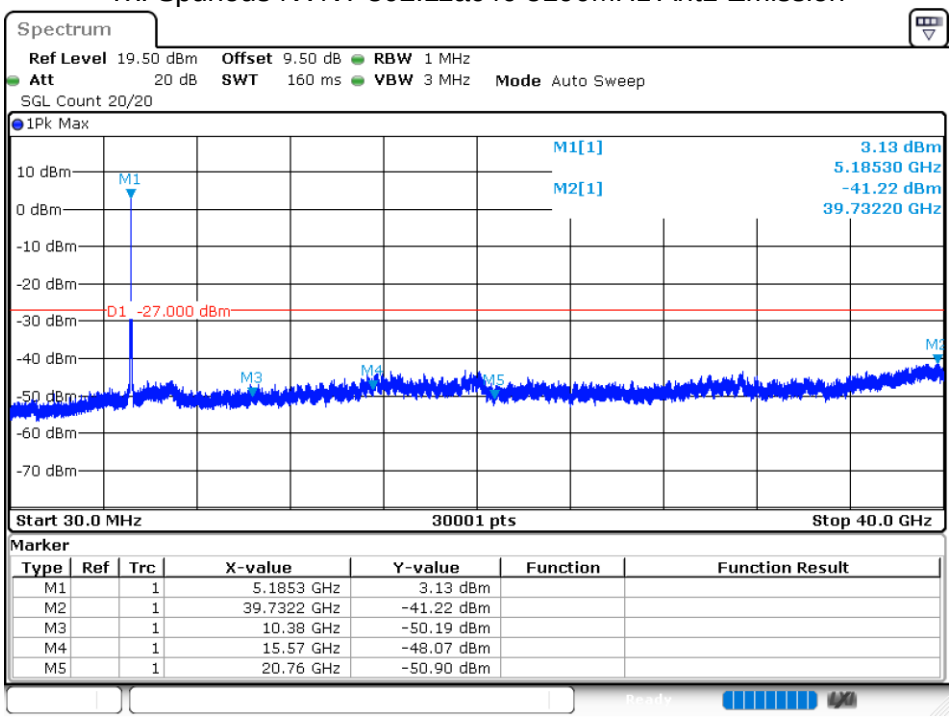
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2426 GHz	7.31 dBm		
M2		1	39.82147 GHz	-40.34 dBm		
M3		1	10.48 GHz	-47.92 dBm		
M4		1	15.72 GHz	-45.90 dBm		
M5		1	20.96 GHz	-47.89 dBm		

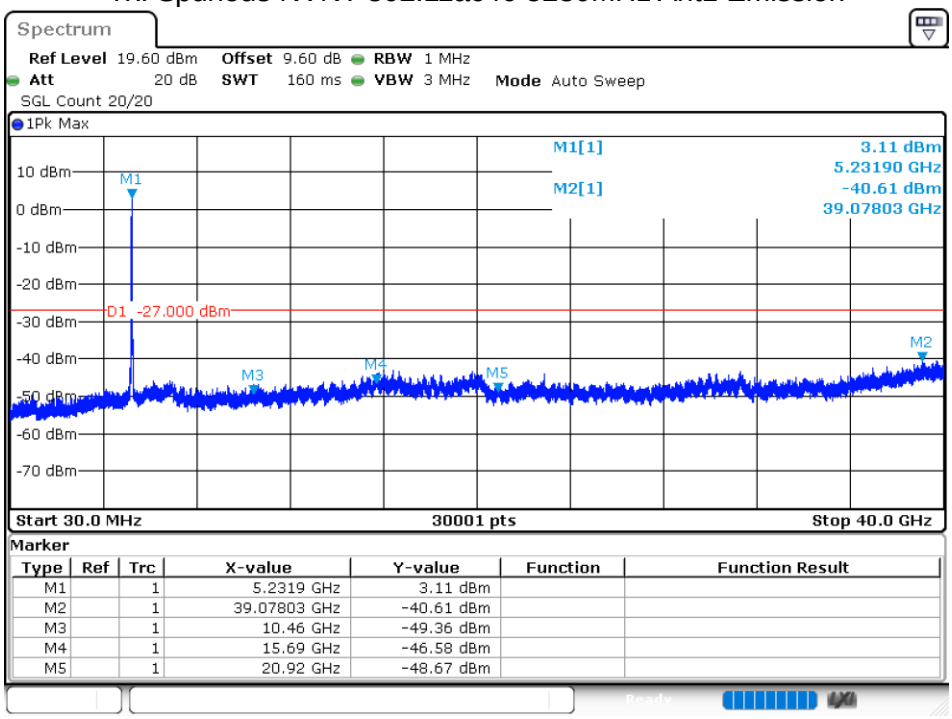
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1853 GHz	3.13 dBm		
M2		1	39.7322 GHz	-41.22 dBm		
M3		1	10.38 GHz	-50.19 dBm		
M4		1	15.57 GHz	-48.07 dBm		
M5		1	20.76 GHz	-50.90 dBm		

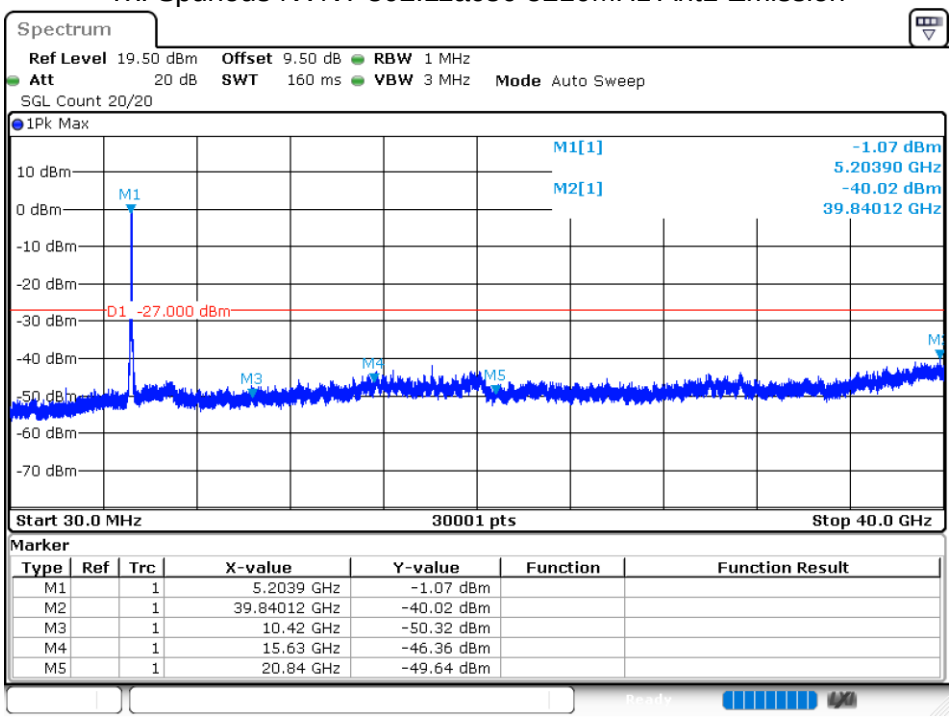
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2319 GHz	3.11 dBm		
M2		1	39.07803 GHz	-40.61 dBm		
M3		1	10.46 GHz	-49.36 dBm		
M4		1	15.69 GHz	-46.58 dBm		
M5		1	20.92 GHz	-48.67 dBm		

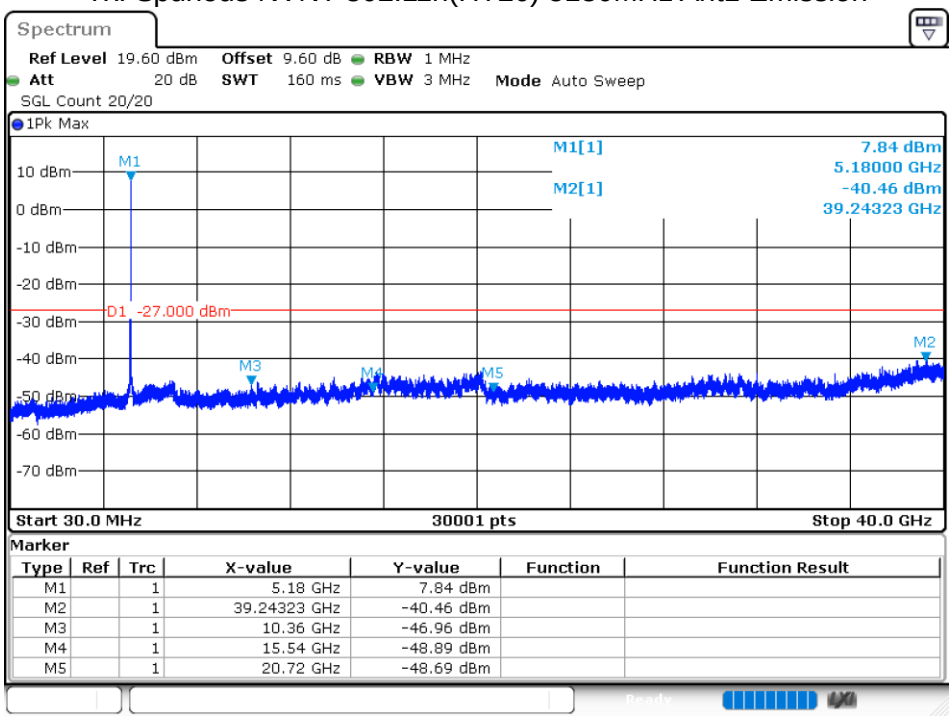
Tx. Spurious NVNT 802.11ac80 5210MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2039 GHz	-1.07 dBm		
M2		1	39.84012 GHz	-40.02 dBm		
M3		1	10.42 GHz	-50.32 dBm		
M4		1	15.63 GHz	-46.36 dBm		
M5		1	20.84 GHz	-49.64 dBm		

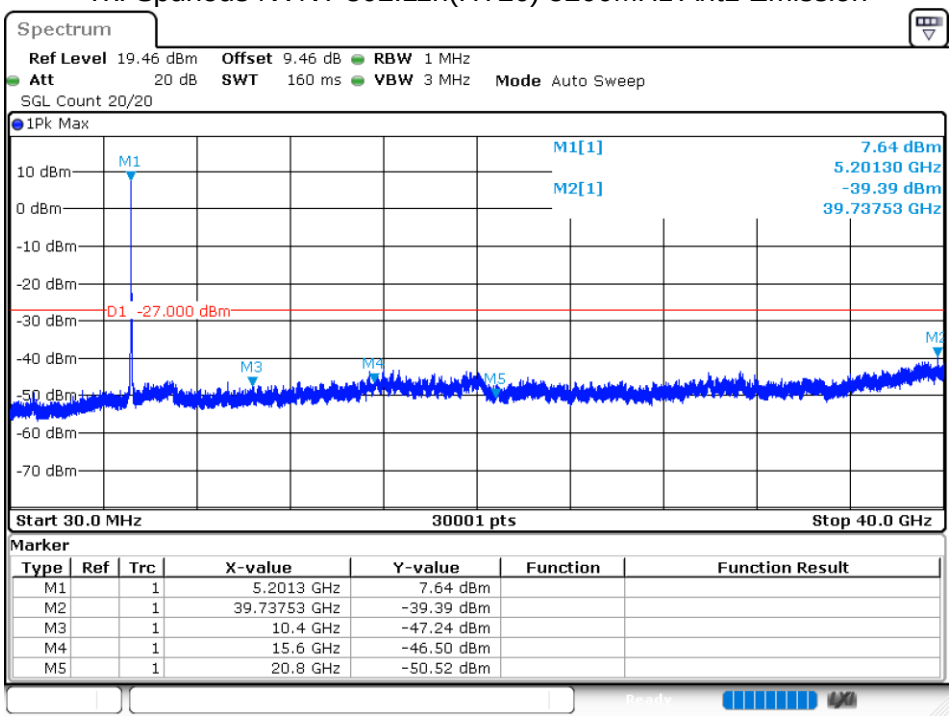
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18 GHz	7.84 dBm		
M2		1	39.24323 GHz	-40.46 dBm		
M3		1	10.36 GHz	-46.96 dBm		
M4		1	15.54 GHz	-48.89 dBm		
M5		1	20.72 GHz	-48.69 dBm		

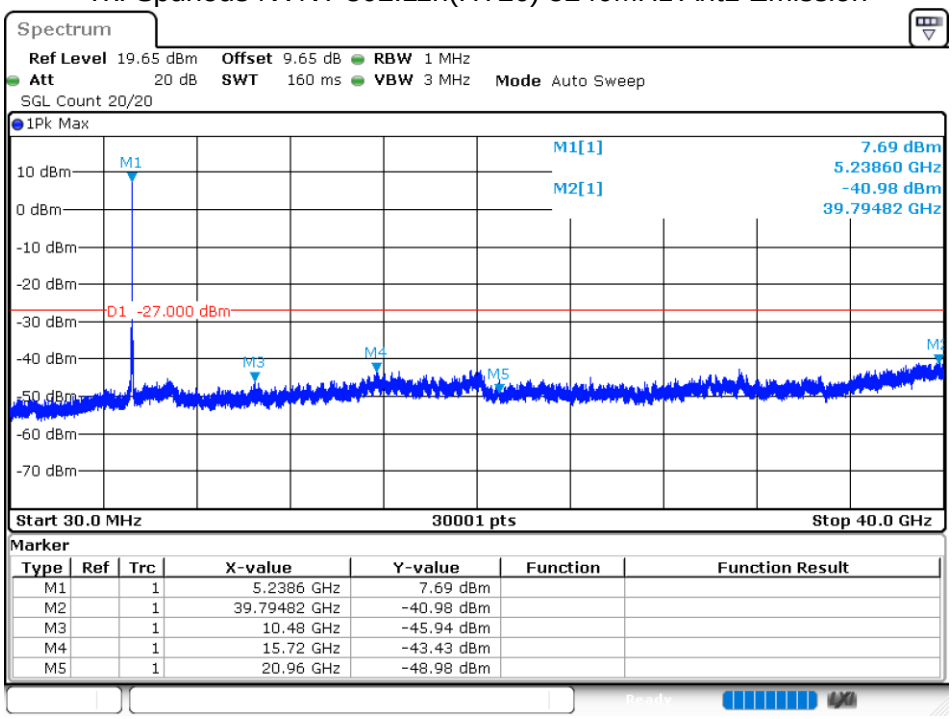
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



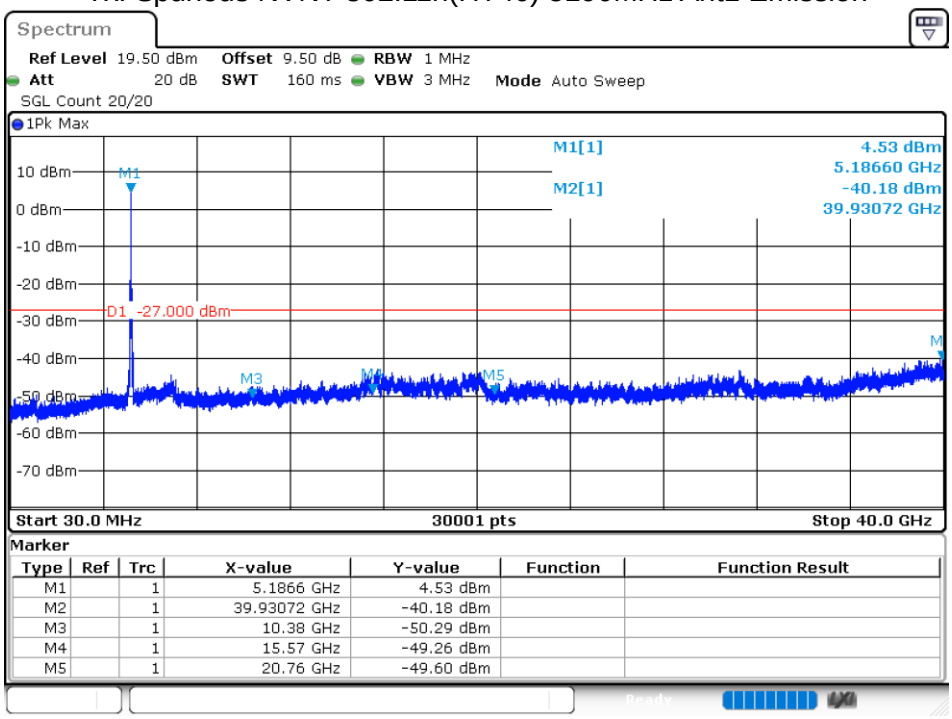
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2013 GHz	7.64 dBm		
M2		1	39.73753 GHz	-39.39 dBm		
M3		1	10.4 GHz	-47.24 dBm		
M4		1	15.6 GHz	-46.50 dBm		
M5		1	20.8 GHz	-50.52 dBm		

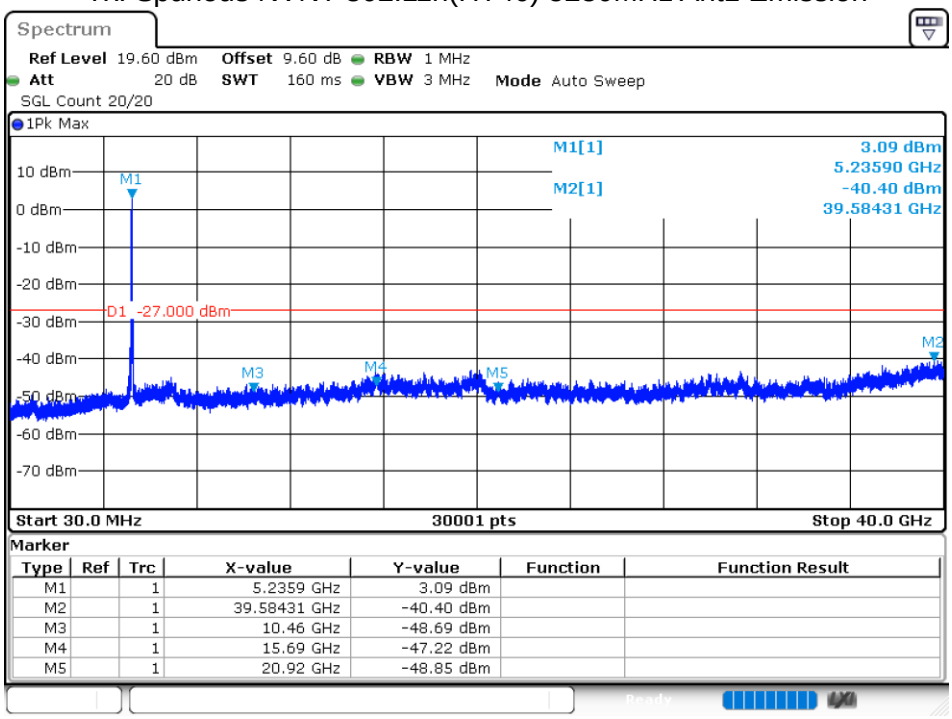
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



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



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



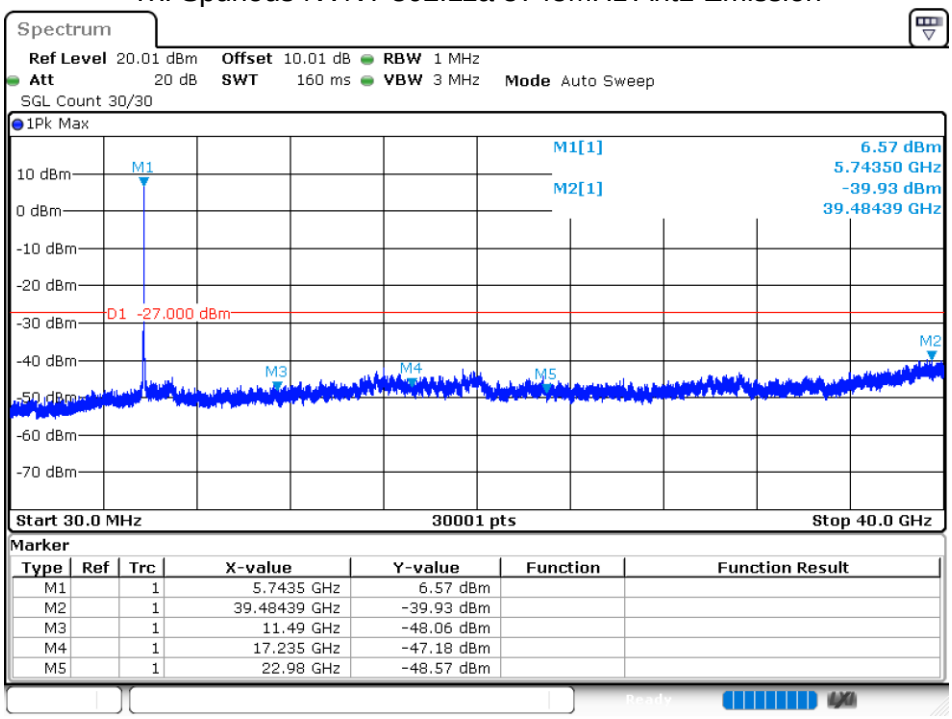
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2359 GHz	3.09 dBm		
M2		1	39.58431 GHz	-40.40 dBm		
M3		1	10.46 GHz	-48.69 dBm		
M4		1	15.69 GHz	-47.22 dBm		
M5		1	20.92 GHz	-48.85 dBm		

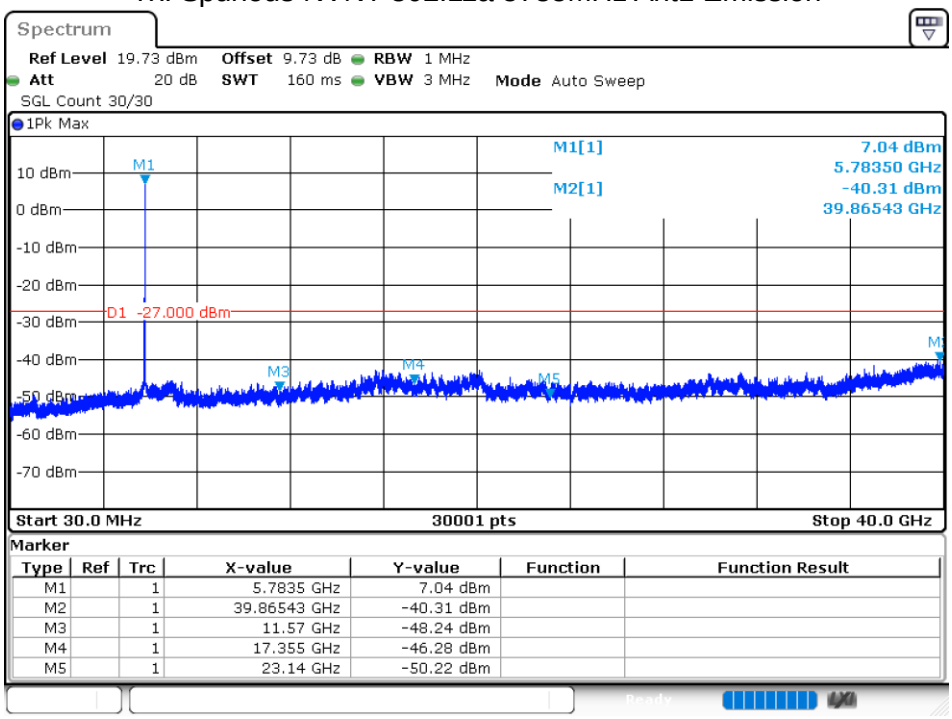
5.8G:

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-39.92	-27	Pass
NVNT	802.11a	5785	Ant 1	-40.31	-27	Pass
NVNT	802.11a	5825	Ant 1	-39.85	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-40.35	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-40.76	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-40.39	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-39.98	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-40.81	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-40.23	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-39.02	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-40.7	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-39.95	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-39.97	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-39.77	-27	Pass

Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



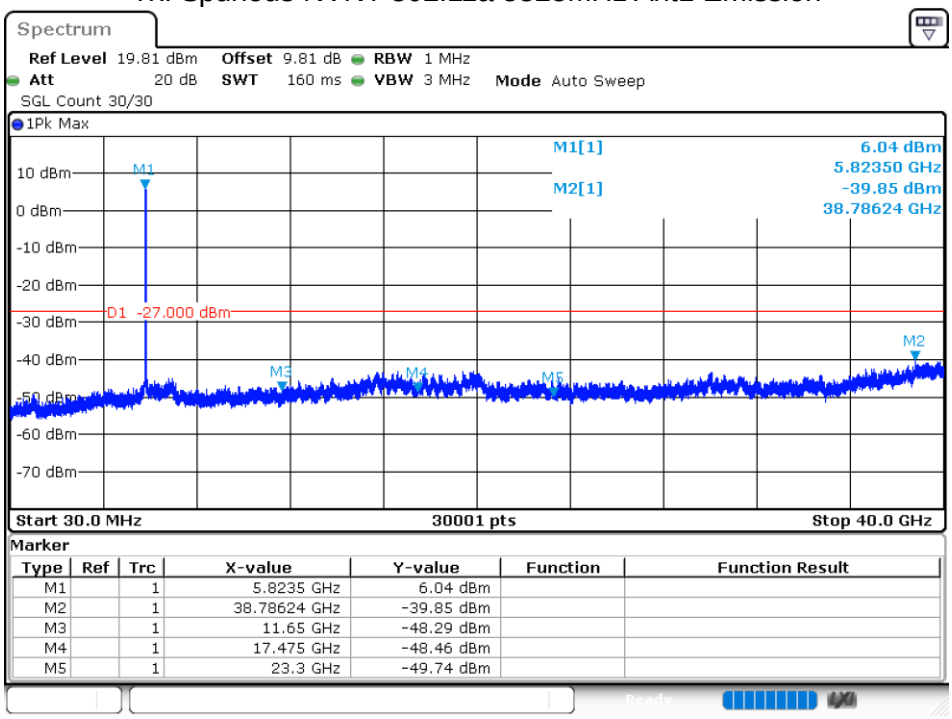
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7835 GHz	7.04 dBm		
M2		1	39.86543 GHz	-40.31 dBm		
M3		1	11.57 GHz	-48.24 dBm		
M4		1	17.355 GHz	-46.28 dBm		
M5		1	23.14 GHz	-50.22 dBm		

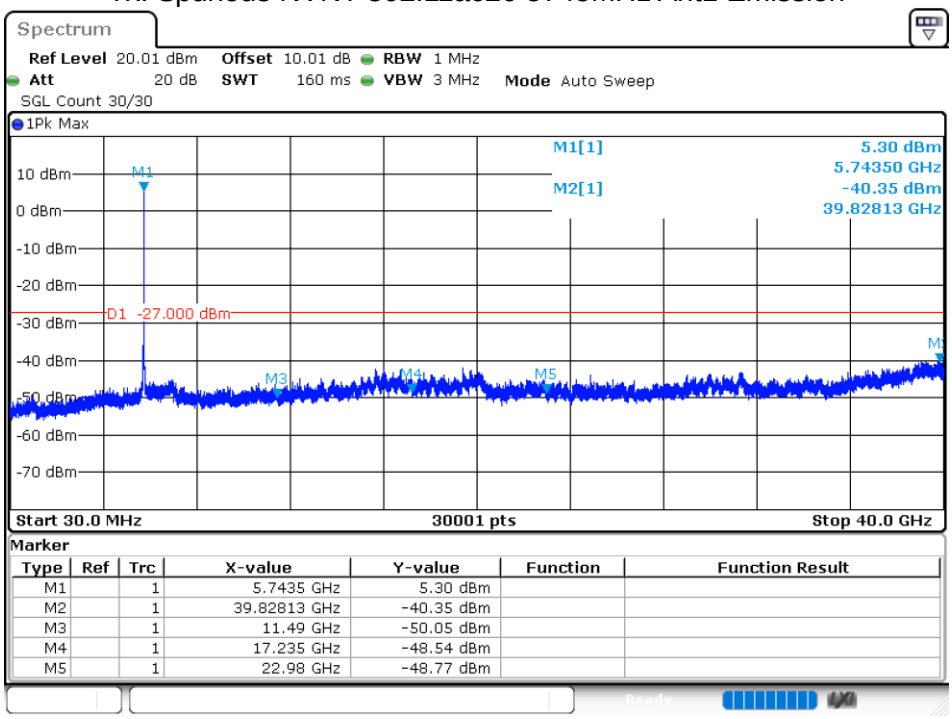
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



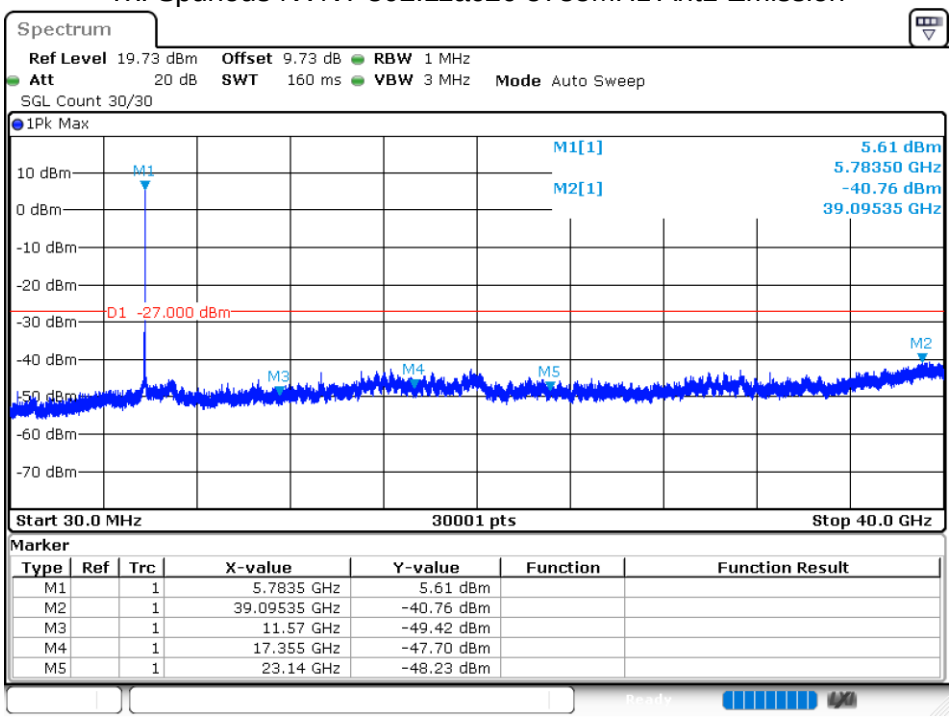
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8235 GHz	6.04 dBm		
M2		1	38.78624 GHz	-39.85 dBm		
M3		1	11.65 GHz	-48.29 dBm		
M4		1	17.475 GHz	-48.46 dBm		
M5		1	23.3 GHz	-49.74 dBm		

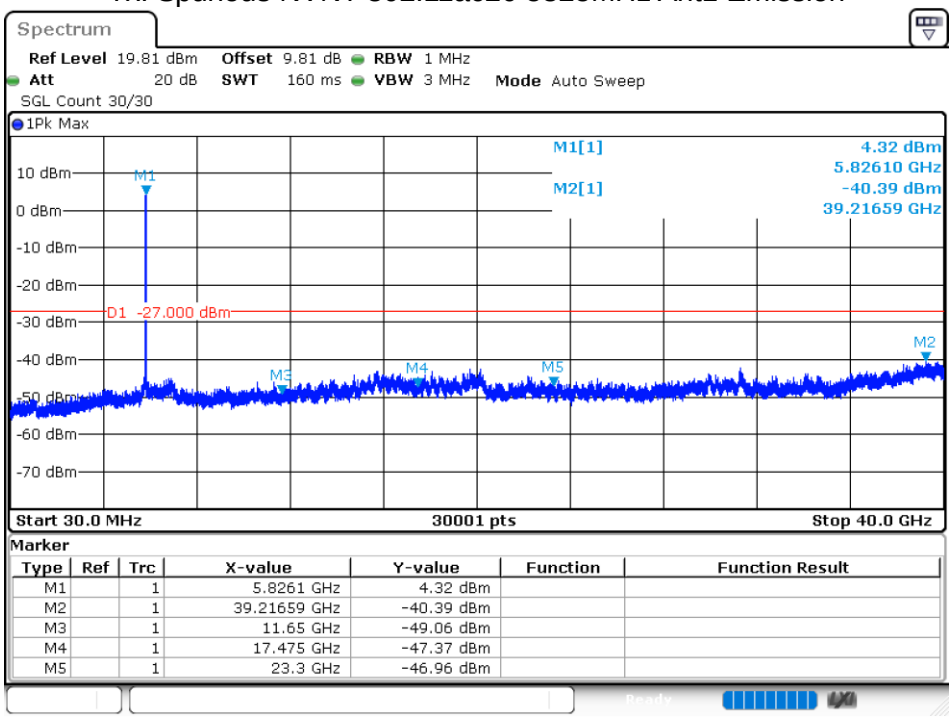
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



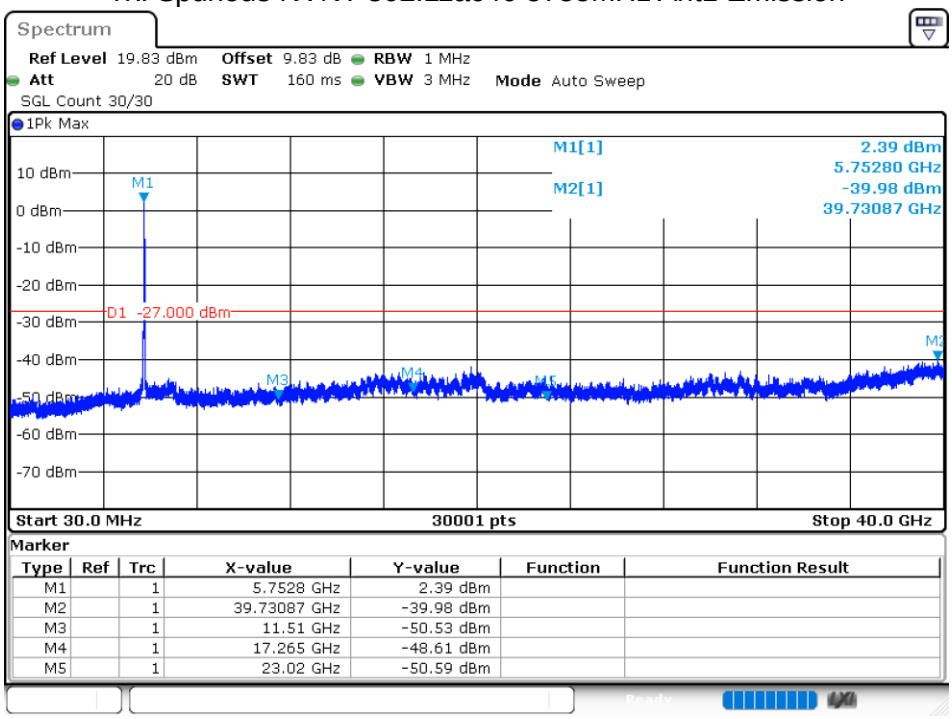
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8261 GHz	4.32 dBm		
M2		1	39.21659 GHz	-40.39 dBm		
M3		1	11.65 GHz	-49.06 dBm		
M4		1	17.475 GHz	-47.37 dBm		
M5		1	23.3 GHz	-46.96 dBm		

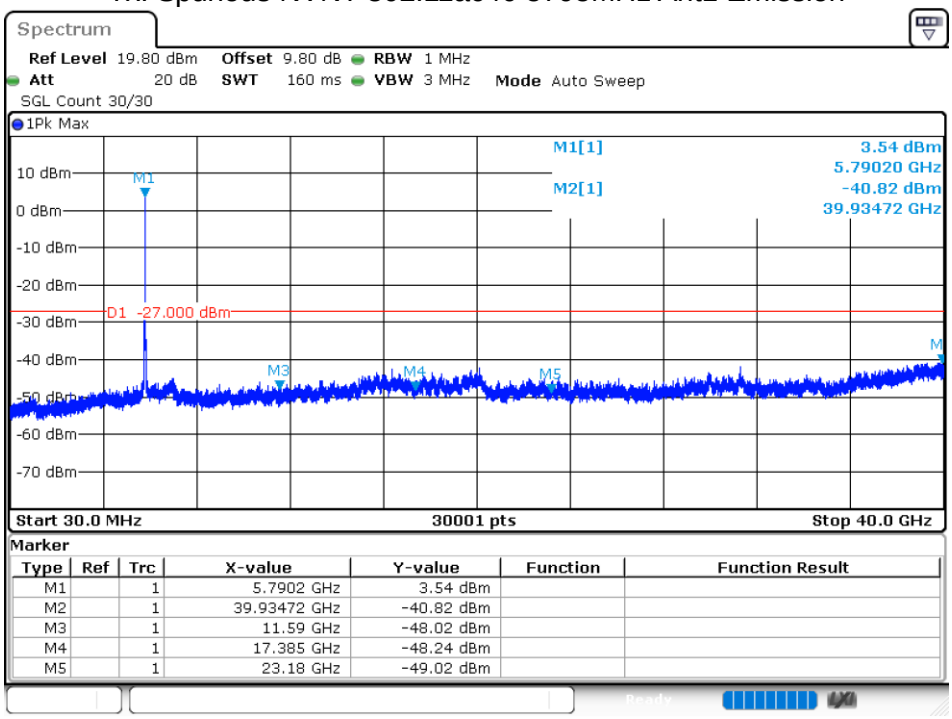
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7528 GHz	2.39 dBm		
M2		1	39.73087 GHz	-39.98 dBm		
M3		1	11.51 GHz	-50.53 dBm		
M4		1	17.265 GHz	-48.61 dBm		
M5		1	23.02 GHz	-50.59 dBm		

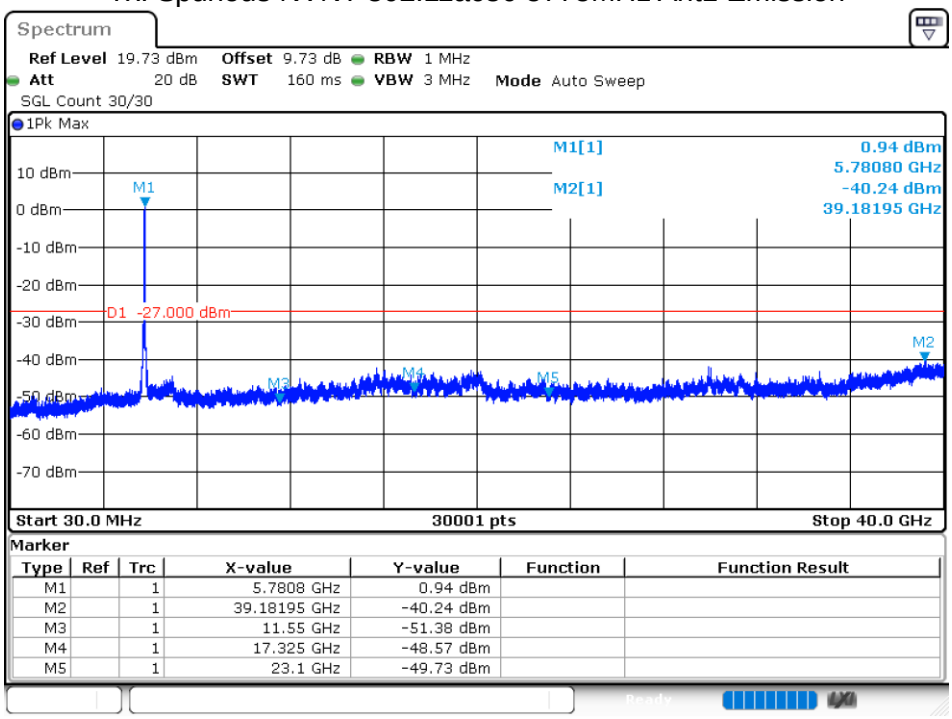
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7902 GHz	3.54 dBm		
M2		1	39.93472 GHz	-40.82 dBm		
M3		1	11.59 GHz	-48.02 dBm		
M4		1	17.385 GHz	-48.24 dBm		
M5		1	23.18 GHz	-49.02 dBm		

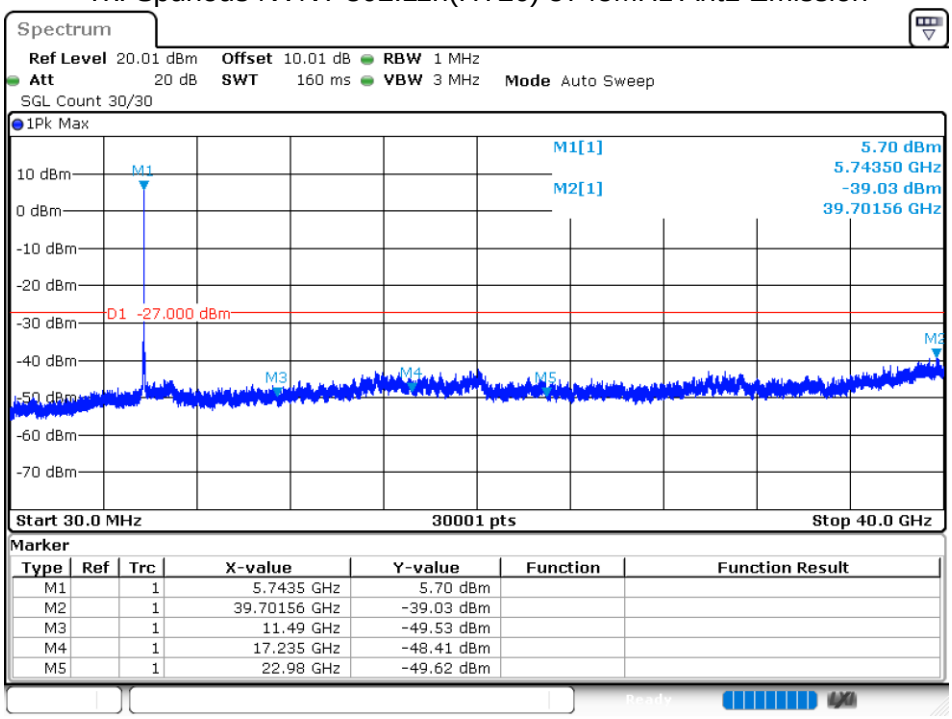
Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7808 GHz	0.94 dBm		
M2		1	39.18195 GHz	-40.24 dBm		
M3		1	11.55 GHz	-51.38 dBm		
M4		1	17.325 GHz	-48.57 dBm		
M5		1	23.1 GHz	-49.73 dBm		

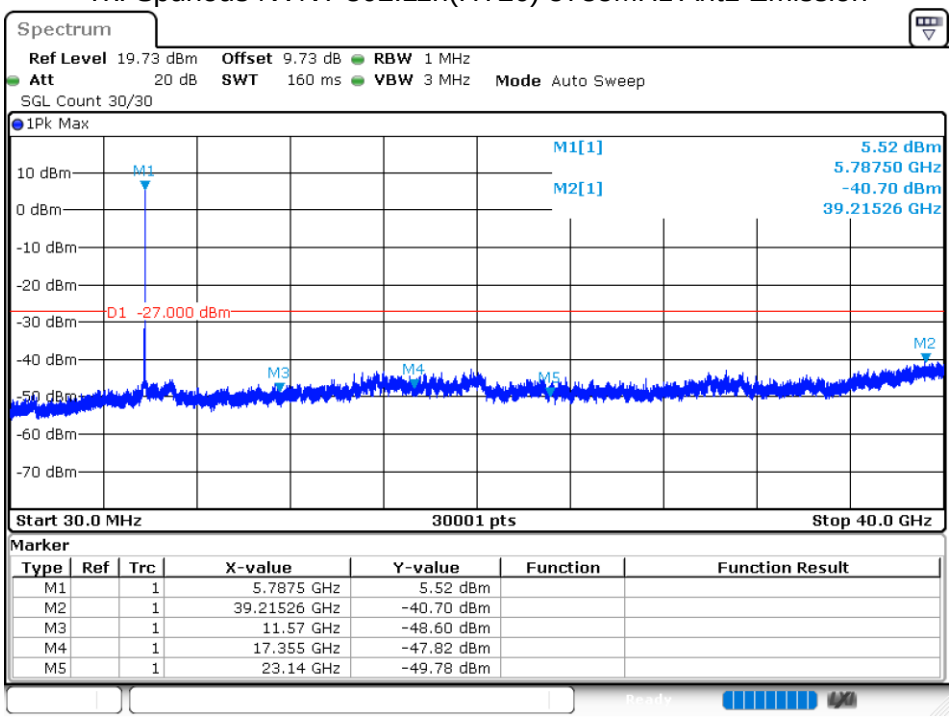
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7435 GHz	5.70 dBm		
M2		1	39.70156 GHz	-39.03 dBm		
M3		1	11.49 GHz	-49.53 dBm		
M4		1	17.235 GHz	-48.41 dBm		
M5		1	22.98 GHz	-49.62 dBm		

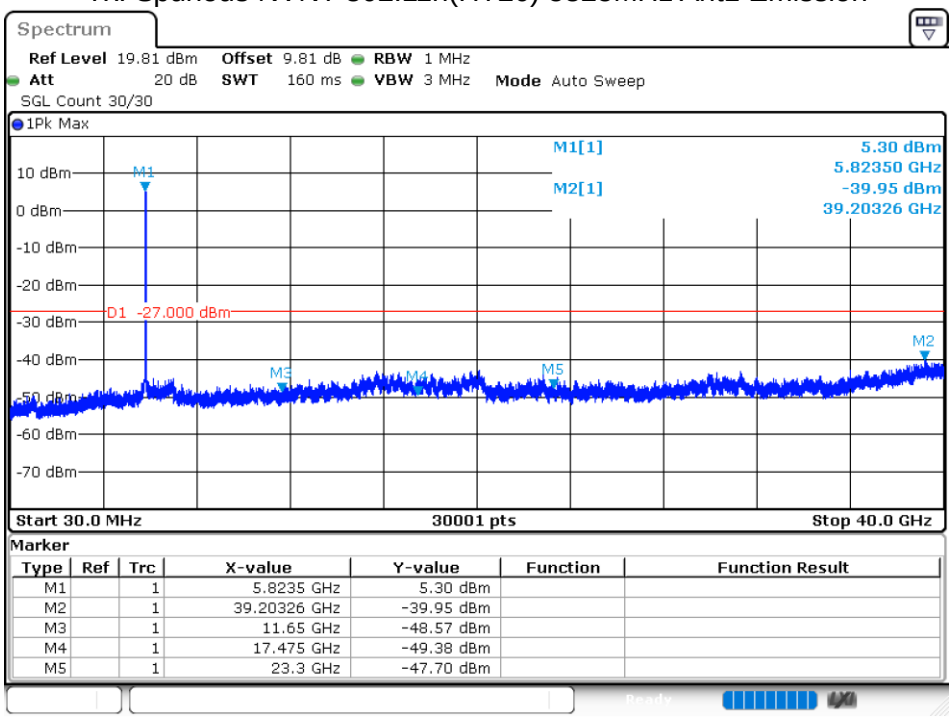
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7875 GHz	5.52 dBm		
M2		1	39.21526 GHz	-40.70 dBm		
M3		1	11.57 GHz	-48.60 dBm		
M4		1	17.355 GHz	-47.82 dBm		
M5		1	23.14 GHz	-49.78 dBm		

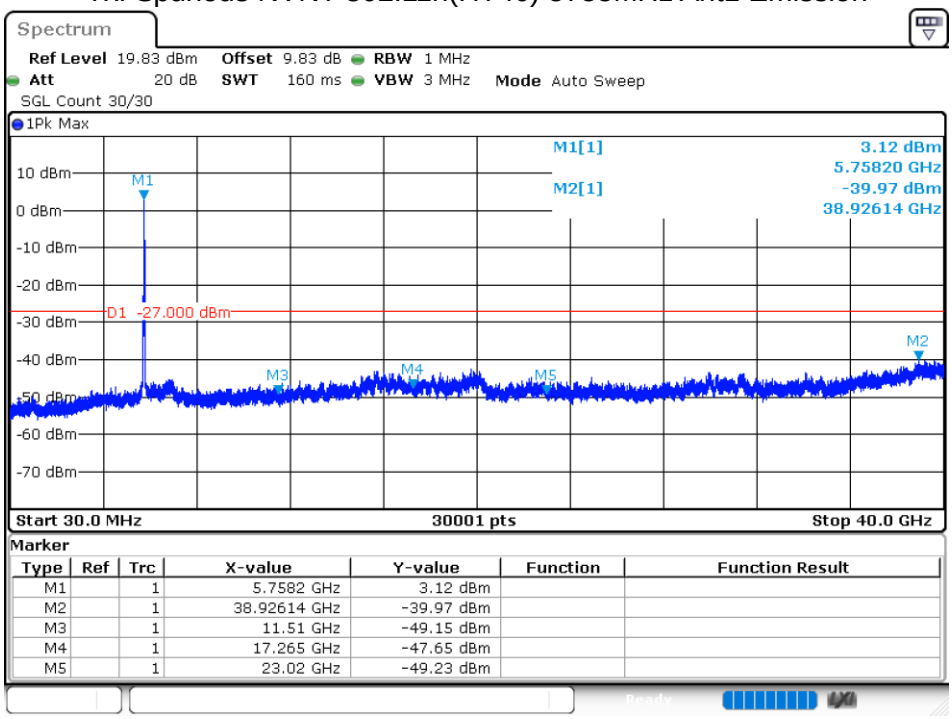
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.8235 GHz	5.30 dBm		
M2		1	39.20326 GHz	-39.95 dBm		
M3		1	11.65 GHz	-48.57 dBm		
M4		1	17.475 GHz	-49.38 dBm		
M5		1	23.3 GHz	-47.70 dBm		

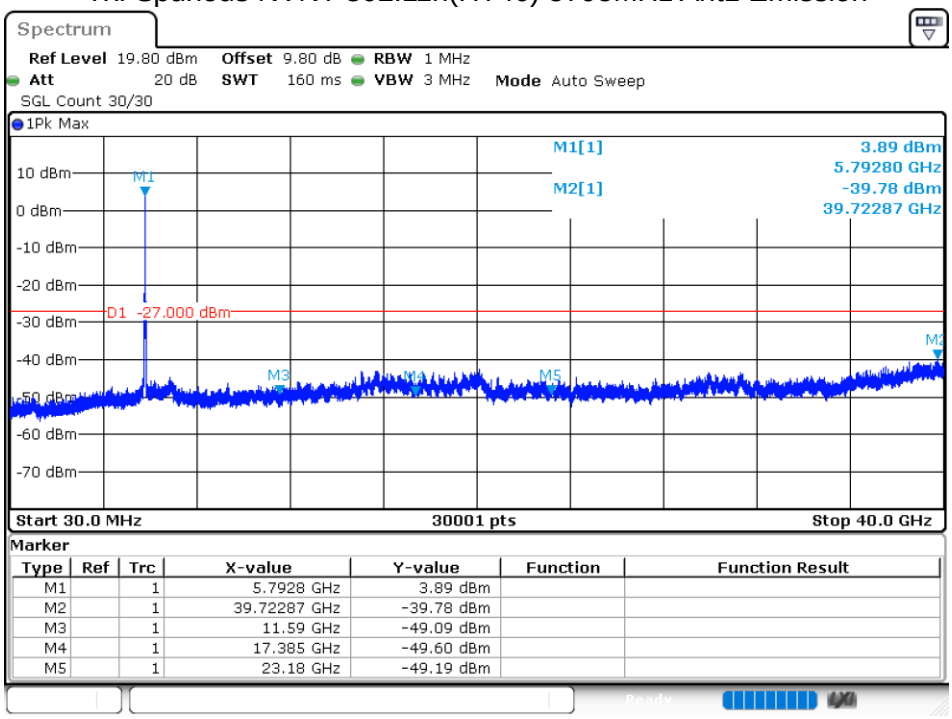
Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7582 GHz	3.12 dBm		
M2		1	38.92614 GHz	-39.97 dBm		
M3		1	11.51 GHz	-49.15 dBm		
M4		1	17.265 GHz	-47.65 dBm		
M5		1	23.02 GHz	-49.23 dBm		

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.7928 GHz	3.89 dBm		
M2		1	39.72287 GHz	-39.78 dBm		
M3		1	11.59 GHz	-49.09 dBm		
M4		1	17.385 GHz	-49.60 dBm		
M5		1	23.18 GHz	-49.19 dBm		

END OF REPORT