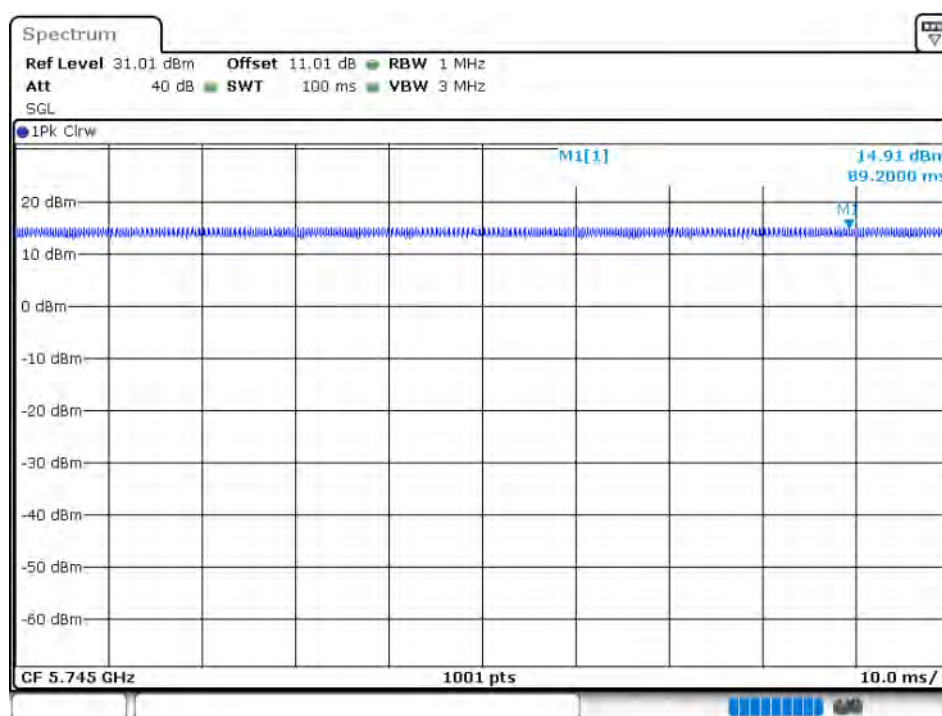


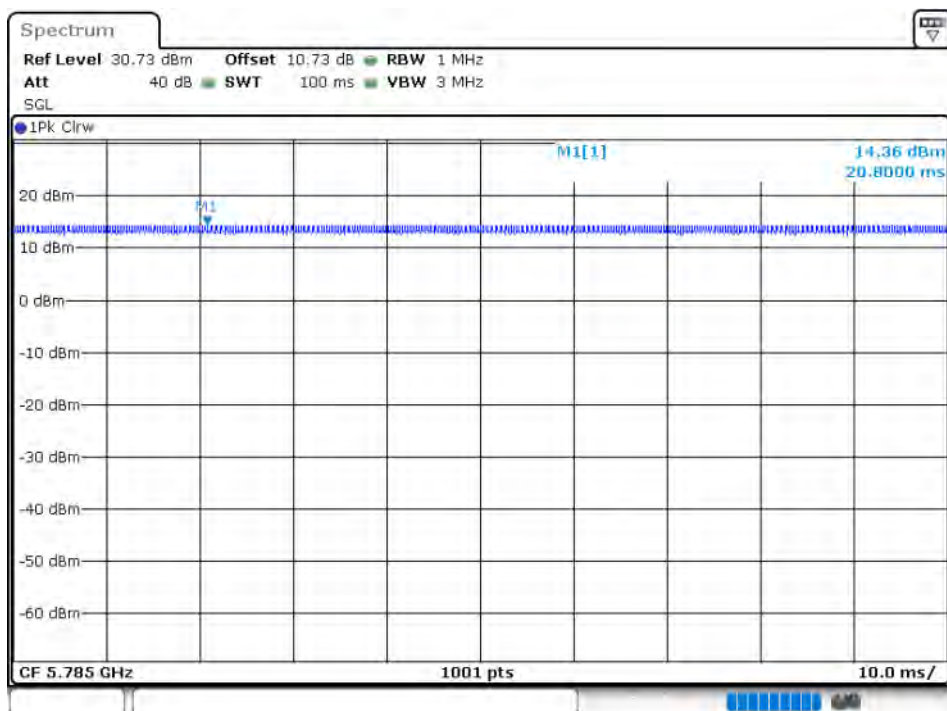
Duty Cycle

Antenna	Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
Ant 3	NVNT	802.11a	5745	100	0
Ant 3	NVNT	802.11a	5785	100	0
Ant 3	NVNT	802.11a	5825	100	0
Ant 4	NVNT	802.11a	5745	100	0
Ant 4	NVNT	802.11a	5785	100	0
Ant 4	NVNT	802.11a	5825	100	0
Ant 3	NVNT	802.11n(HT20)	5745	100	0
Ant 3	NVNT	802.11n(HT20)	5785	100	0
Ant 3	NVNT	802.11n(HT20)	5825	100	0
Ant 4	NVNT	802.11n(HT20)	5745	100	0
Ant 4	NVNT	802.11n(HT20)	5785	100	0
Ant 4	NVNT	802.11n(HT20)	5825	100	0
Ant 3	NVNT	802.11n(HT40)	5755	100	0
Ant 3	NVNT	802.11n(HT40)	5795	100	0
Ant 4	NVNT	802.11n(HT40)	5755	100	0
Ant 4	NVNT	802.11n(HT40)	5795	100	0

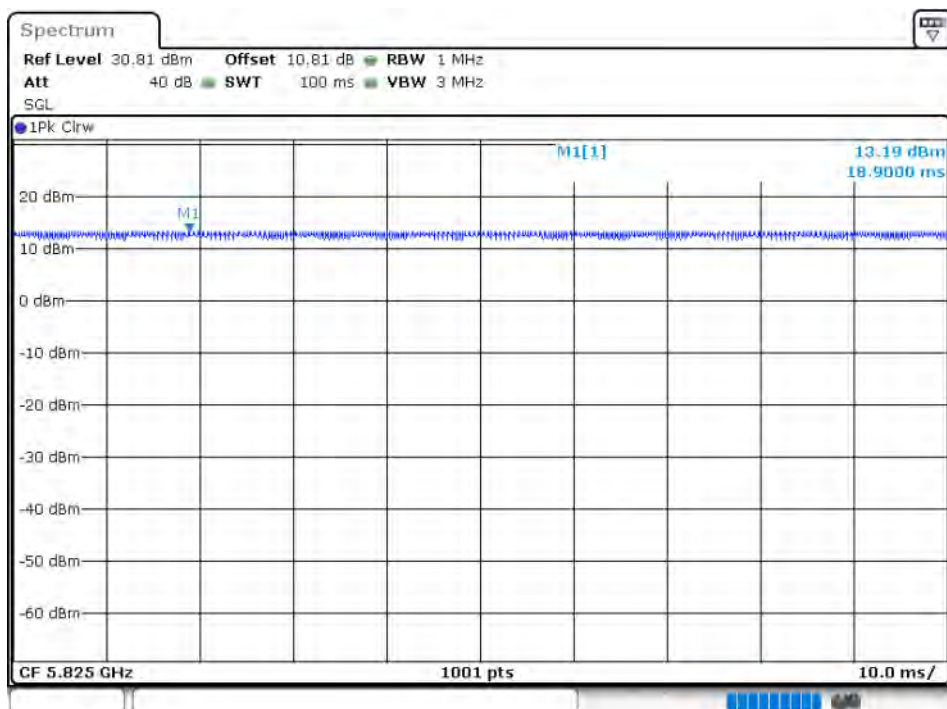
Duty Cycle NVNT 802.11a 5745MHz Ant 3



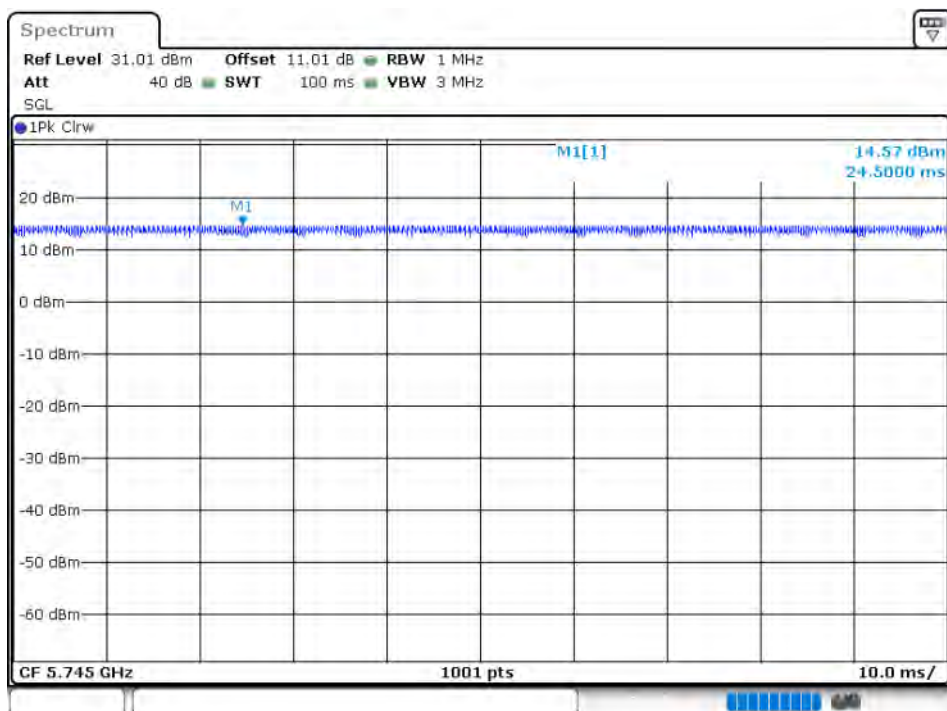
Duty Cycle NVNT 802.11a 5785MHz Ant 3



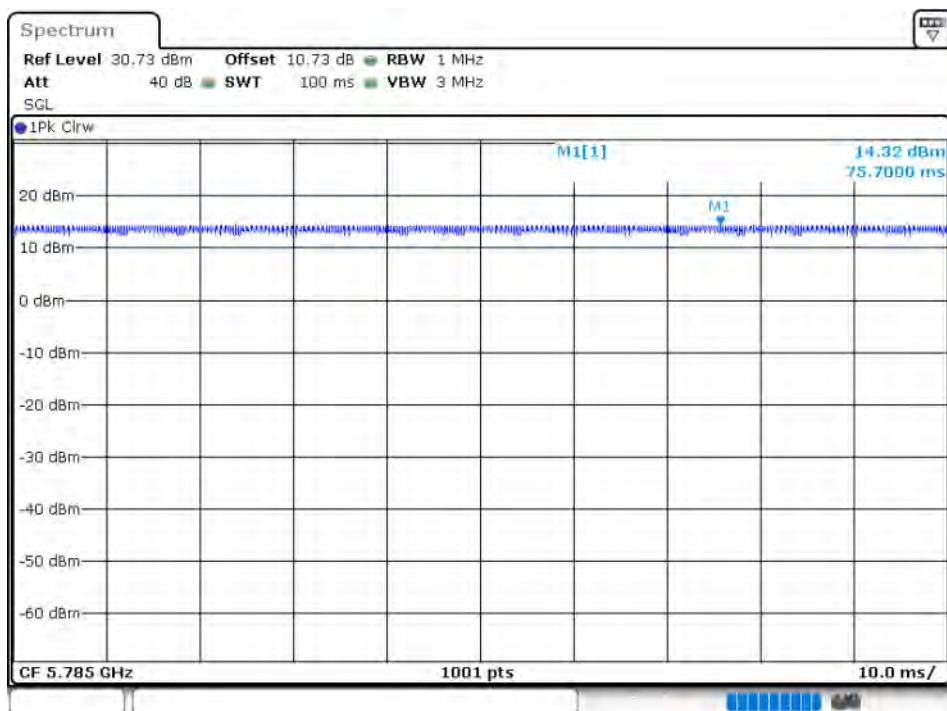
Duty Cycle NVNT 802.11a 5825MHz Ant 3



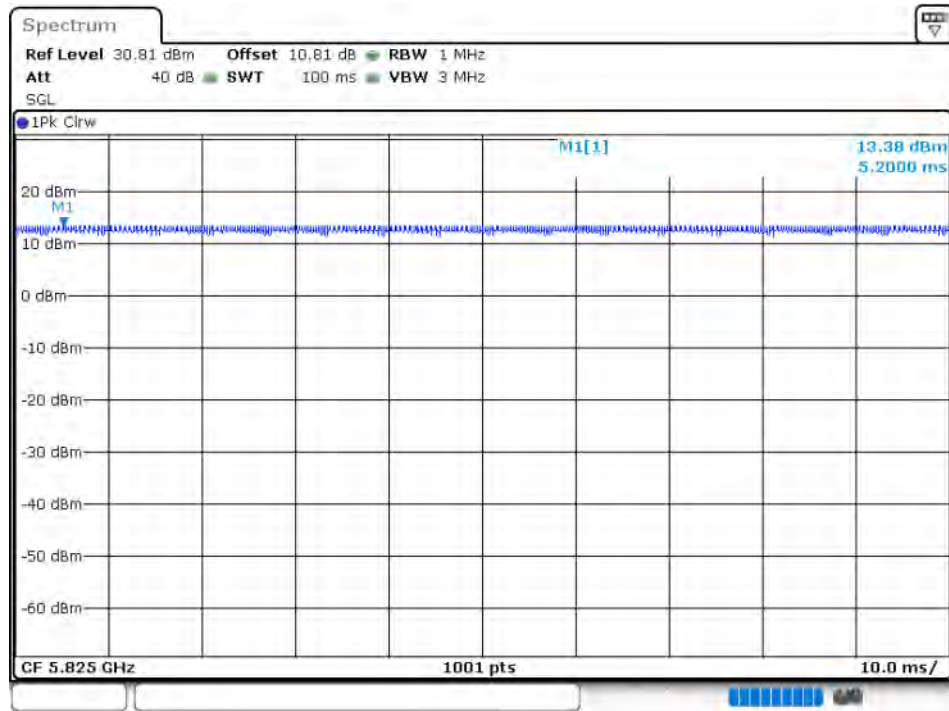
Duty Cycle NVNT 802.11a 5745MHz Ant 4



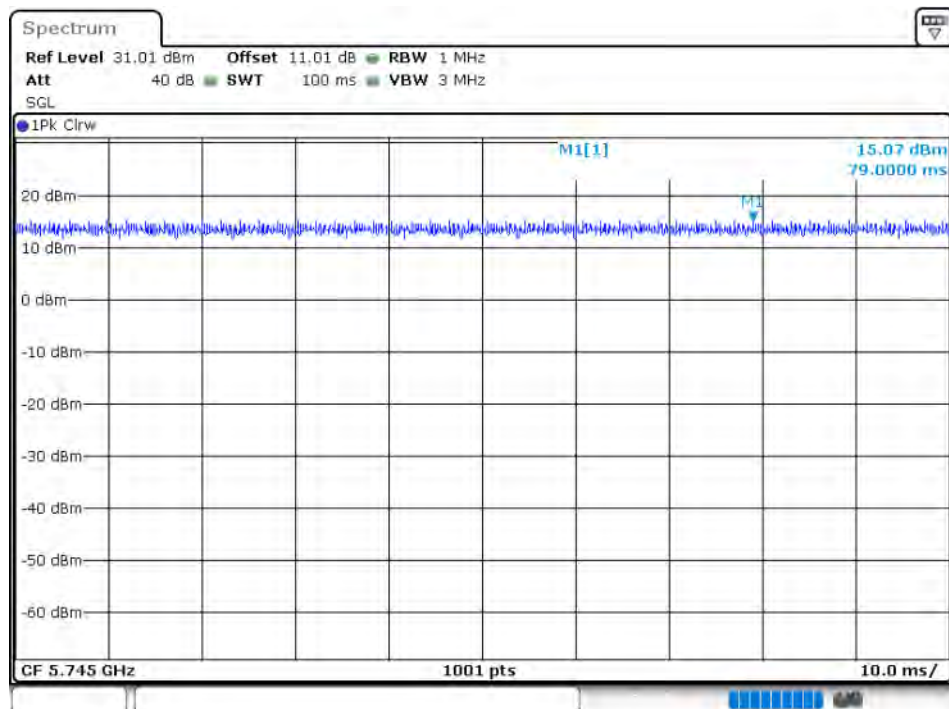
Duty Cycle NVNT 802.11a 5785MHz Ant 4



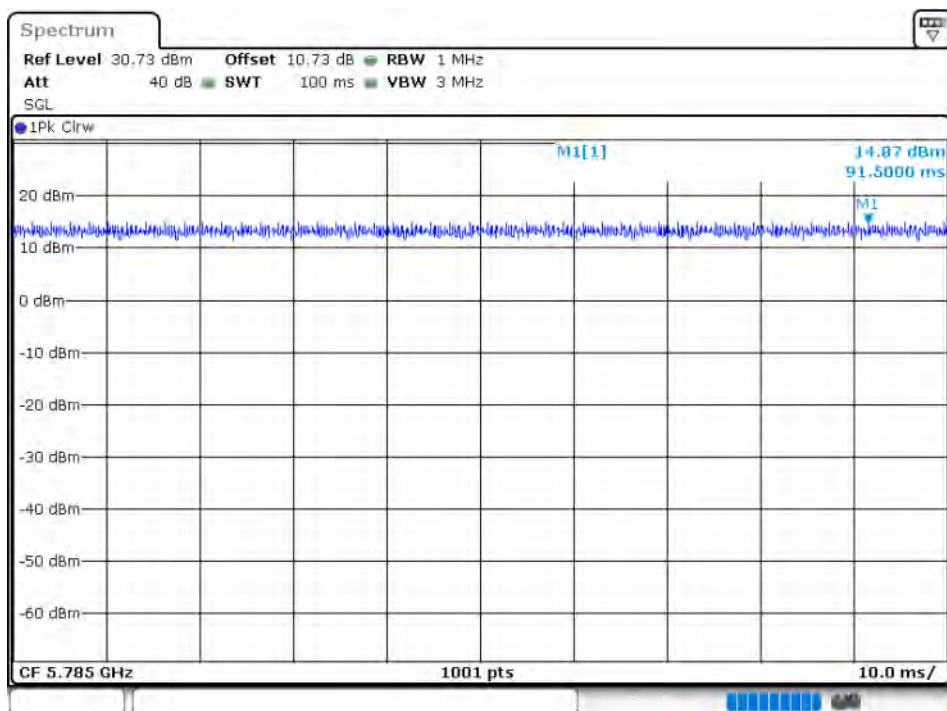
Duty Cycle NVNT 802.11a 5825MHz Ant 4



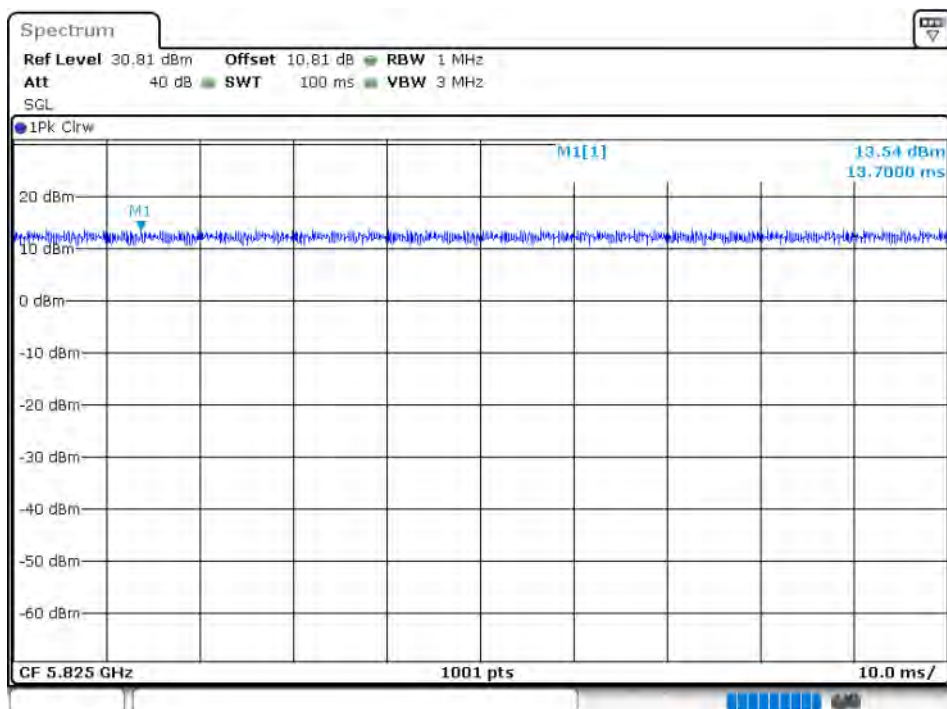
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 3



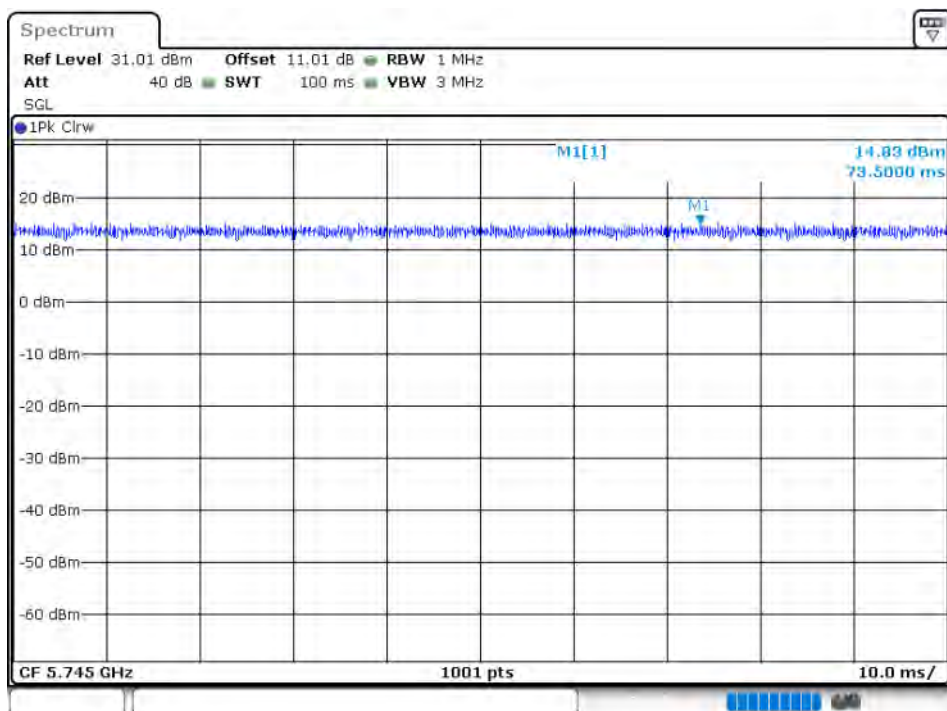
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 3



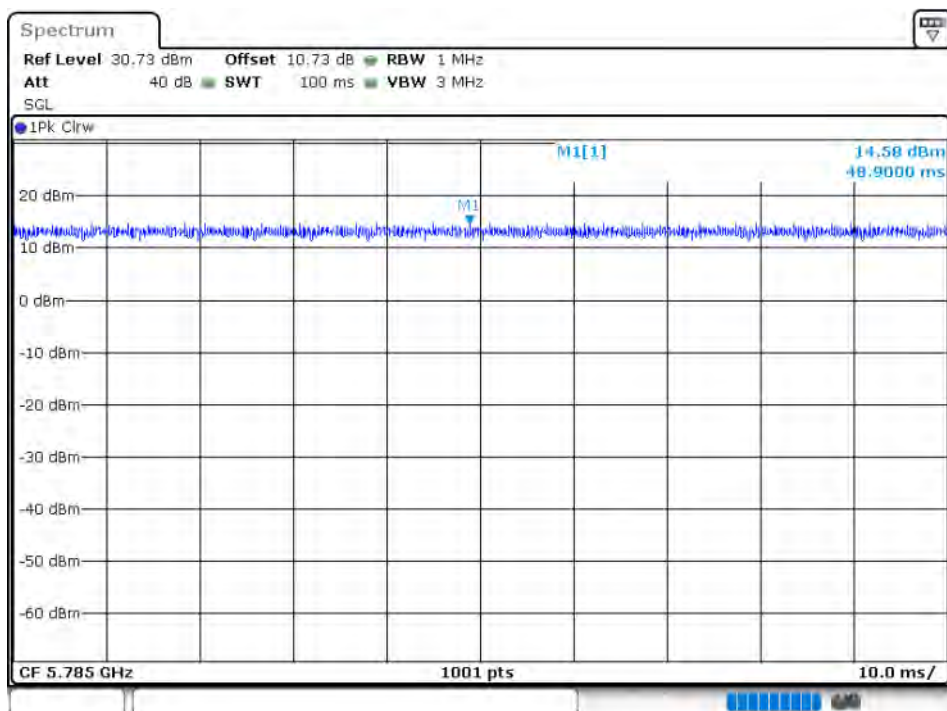
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 3



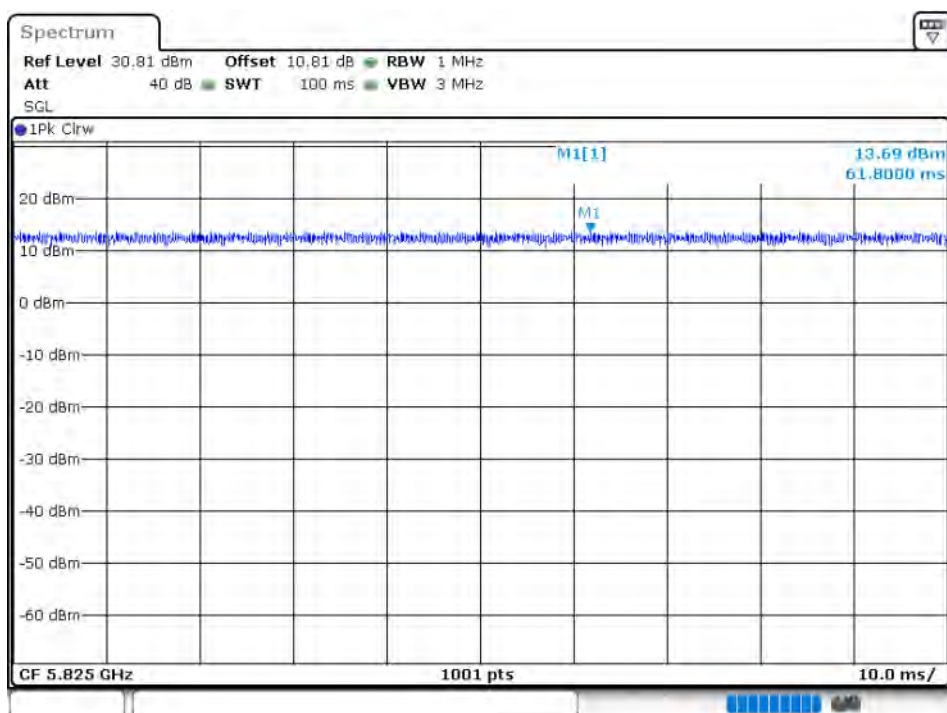
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 4



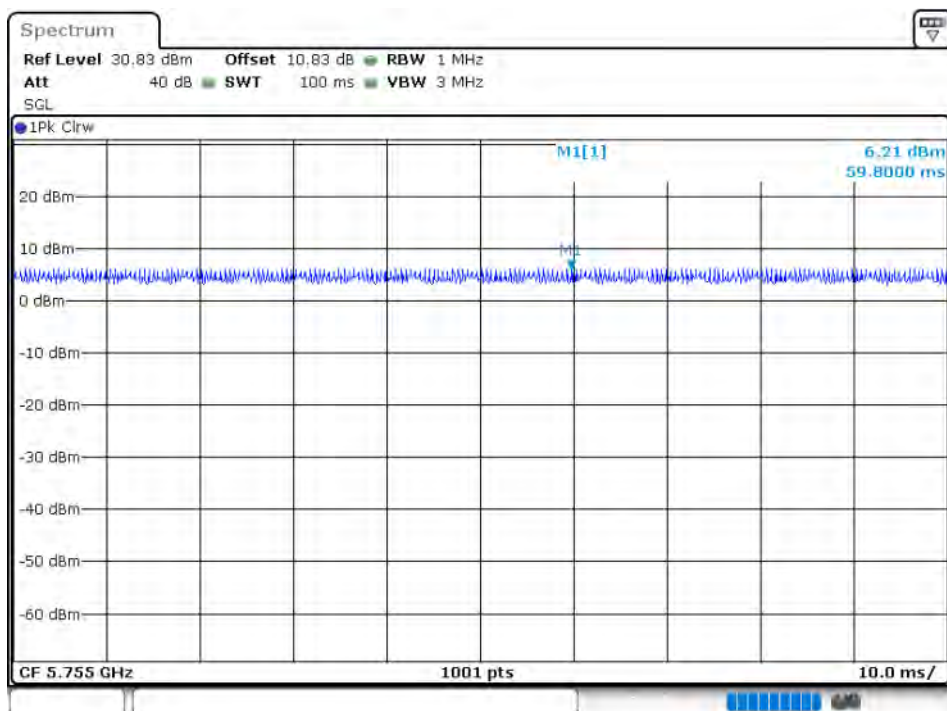
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 4



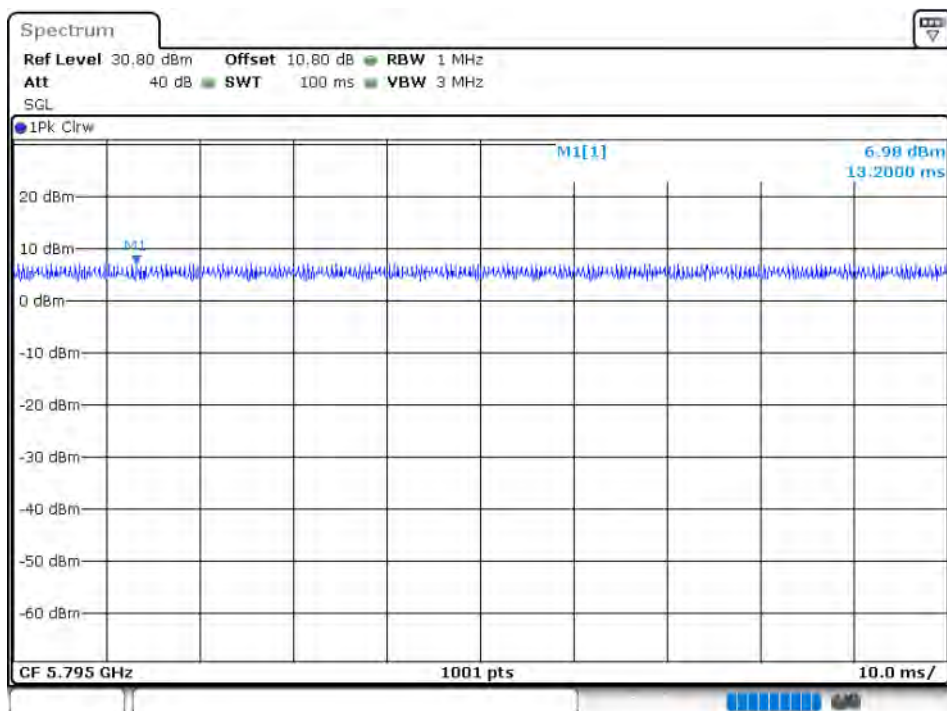
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 4



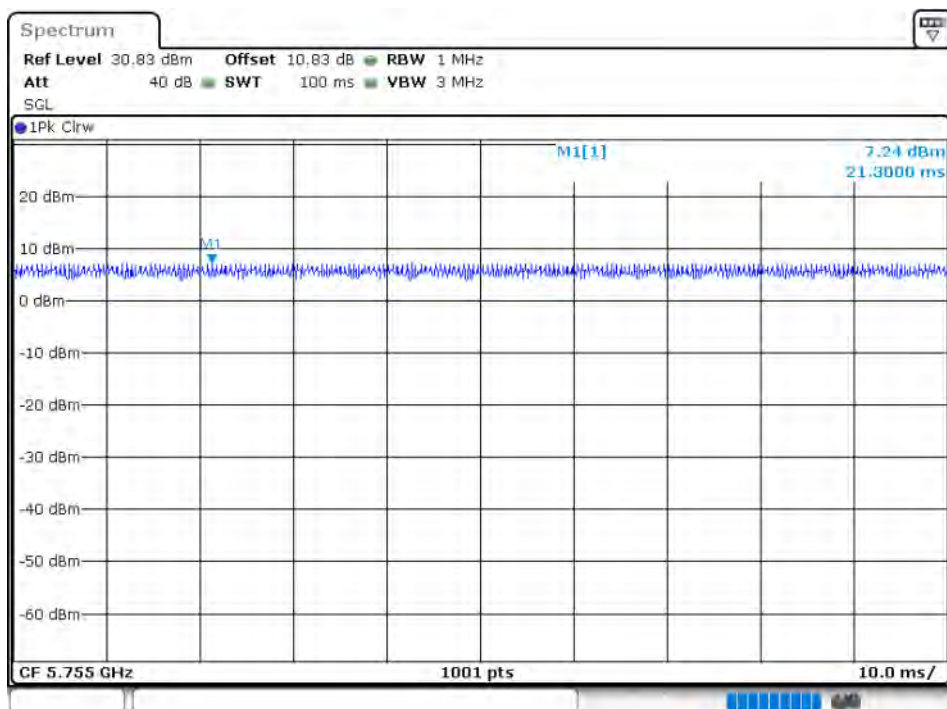
Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 3



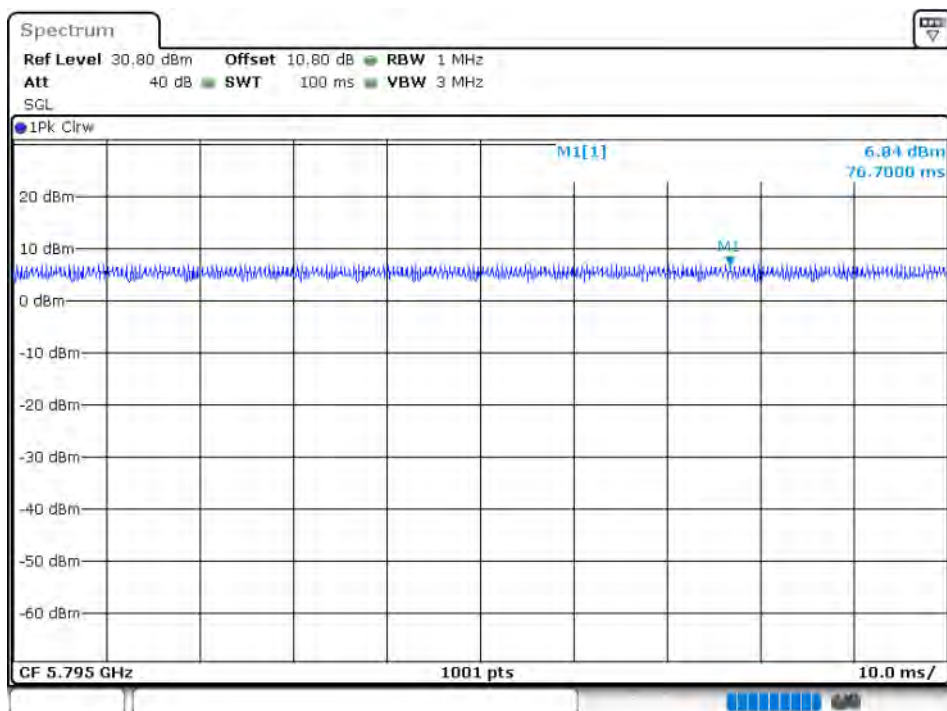
Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 3



Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 4



Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 4



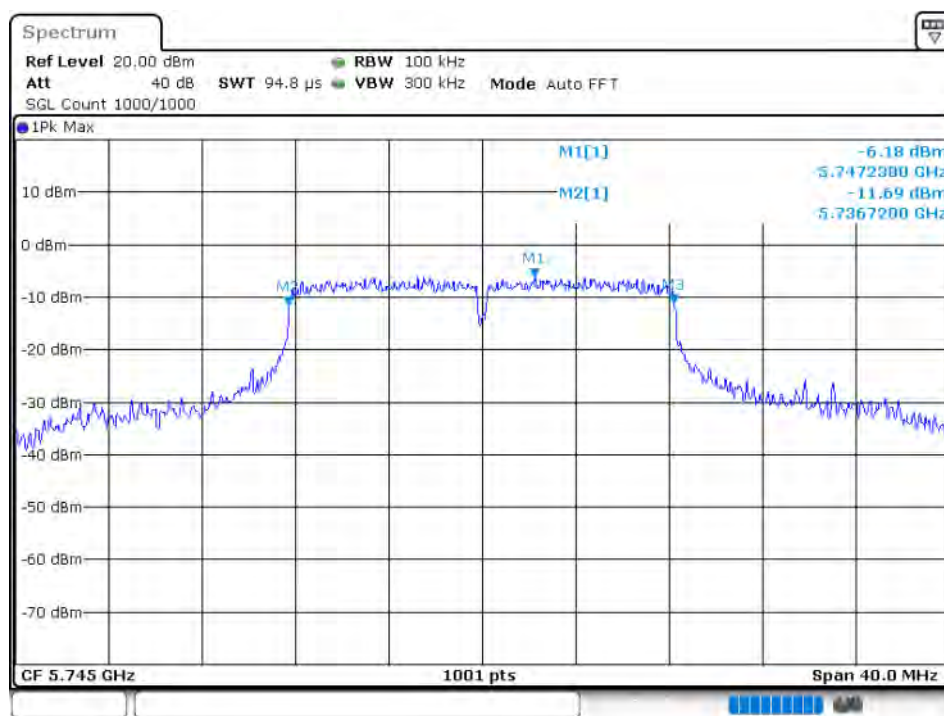
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 3	19.38	0	19.38	30	Pass
NVNT	802.11a	5785	Ant 3	18.77	0	18.77	30	Pass
NVNT	802.11a	5825	Ant 3	18.39	0	18.39	30	Pass
NVNT	802.11a	5745	Ant 4	19	0	19	30	Pass
NVNT	802.11a	5785	Ant 4	18.78	0	18.78	30	Pass
NVNT	802.11a	5825	Ant 4	18.25	0	18.25	30	Pass
NVNT	802.11n(HT20)	5745	Ant 3	18.83	0	18.83	30	Pass
NVNT	802.11n(HT20)	5785	Ant 3	18.59	0	18.59	30	Pass
NVNT	802.11n(HT20)	5825	Ant 3	17.9	0	17.9	30	Pass
NVNT	802.11n(HT20)	5745	Ant 4	18.71	0	18.71	30	Pass
NVNT	802.11n(HT20)	5785	Ant 4	18.37	0	18.37	30	Pass
NVNT	802.11n(HT20)	5825	Ant 4	17.99	0	17.99	30	Pass
NVNT	802.11n(HT40)	5755	Ant 3	16.4	0	16.4	30	Pass
NVNT	802.11n(HT40)	5795	Ant 3	16.78	0	16.78	30	Pass
NVNT	802.11n(HT40)	5755	Ant 4	17.32	0	17.32	30	Pass
NVNT	802.11n(HT40)	5795	Ant 4	16.8	0	16.8	30	Pass

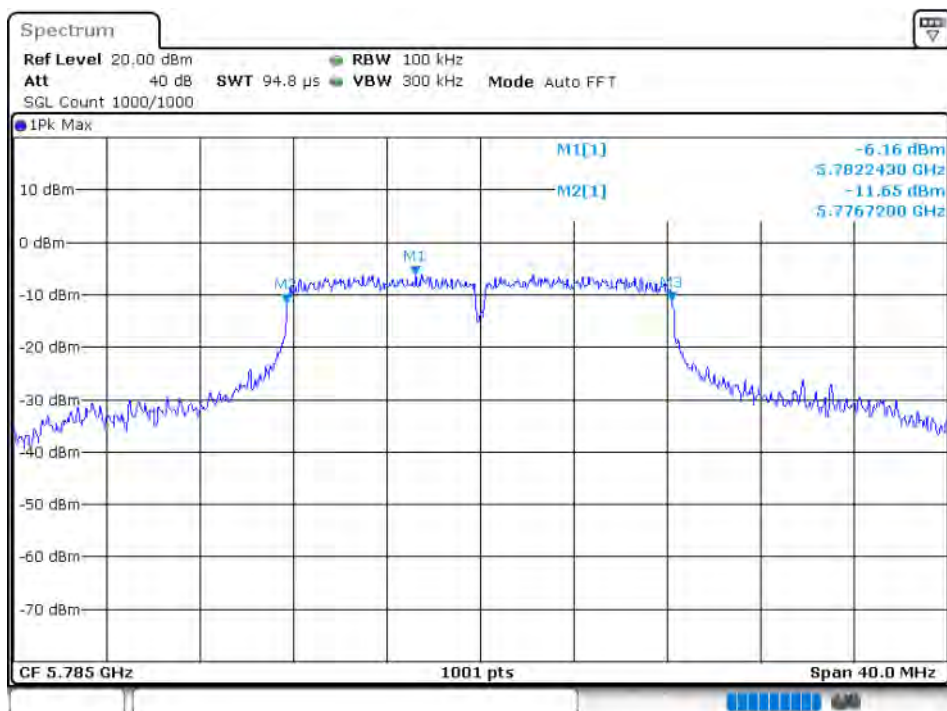
-6dB Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 3	16.48	0.5	Pass
NVNT	802.11a	5785	Ant 3	16.48	0.5	Pass
NVNT	802.11a	5825	Ant 3	16.48	0.5	Pass
NVNT	802.11a	5745	Ant 4	16.48	0.5	Pass
NVNT	802.11a	5785	Ant 4	16.48	0.5	Pass
NVNT	802.11a	5825	Ant 4	16.52	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 3	17.8	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 3	17.72	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 3	17.72	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 4	17.72	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 4	17.72	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 4	17.72	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 3	36.4	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 3	36.32	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 4	36.32	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 4	36.32	0.5	Pass

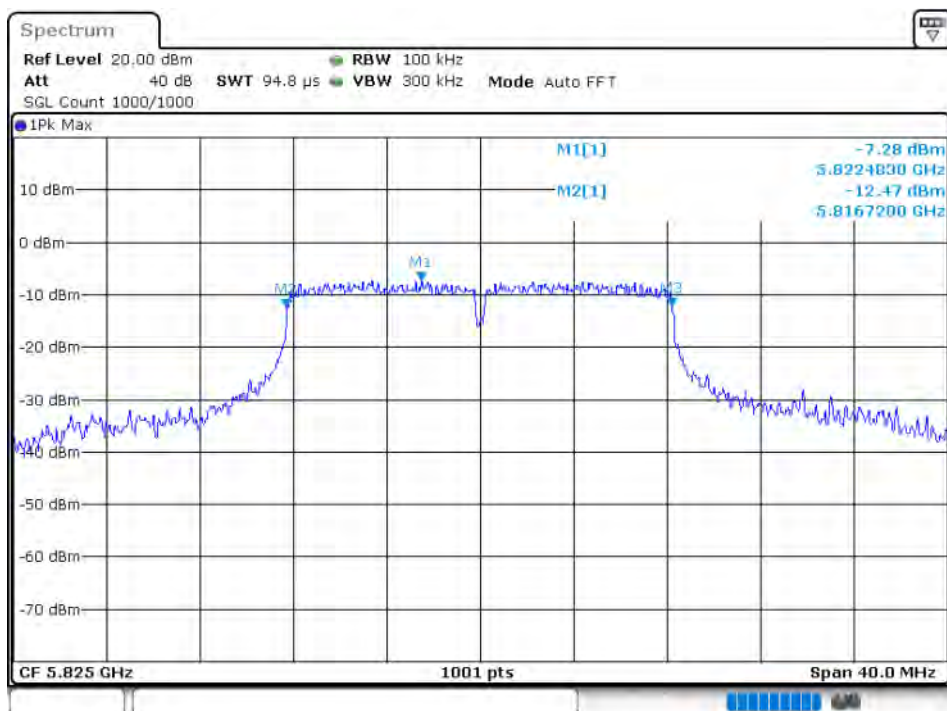
EBW NVNT 802.11a 5745MHz Ant 3



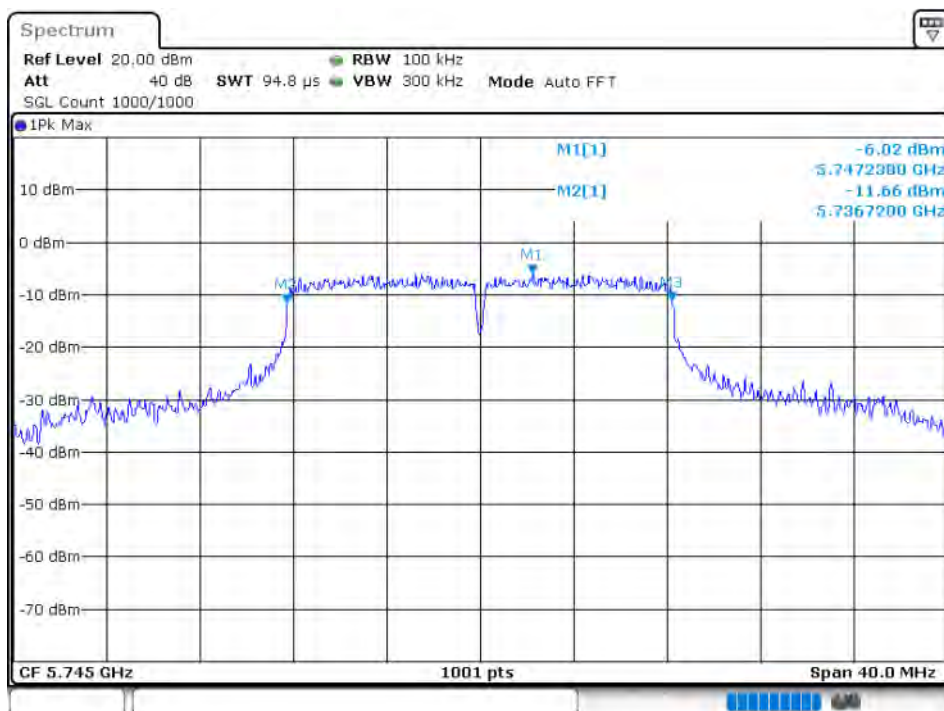
EBW NVNT 802.11a 5785MHz Ant 3



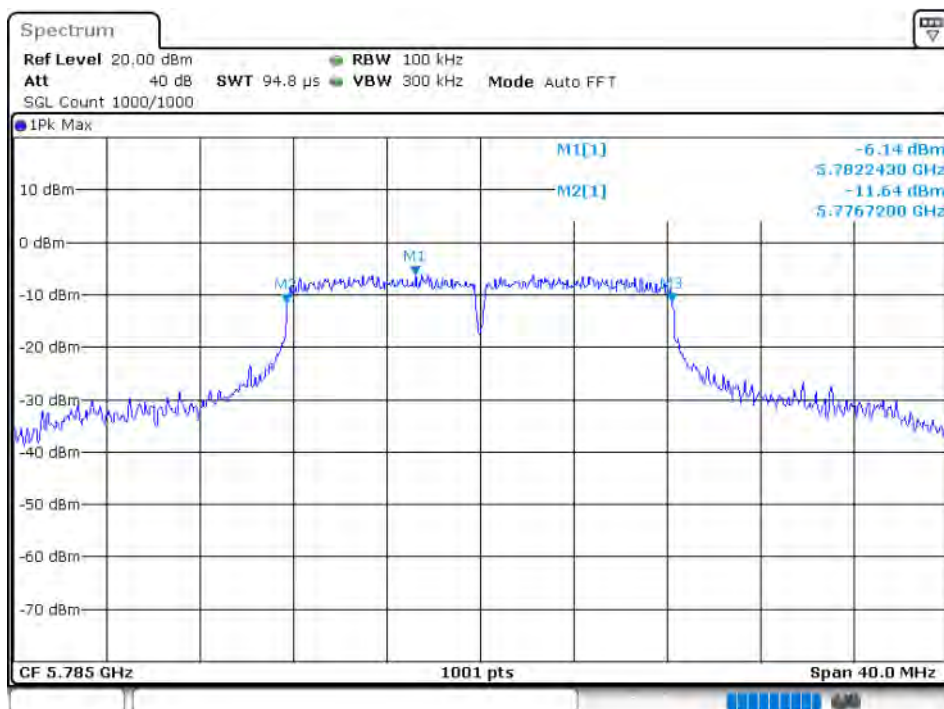
EBW NVNT 802.11a 5825MHz Ant 3



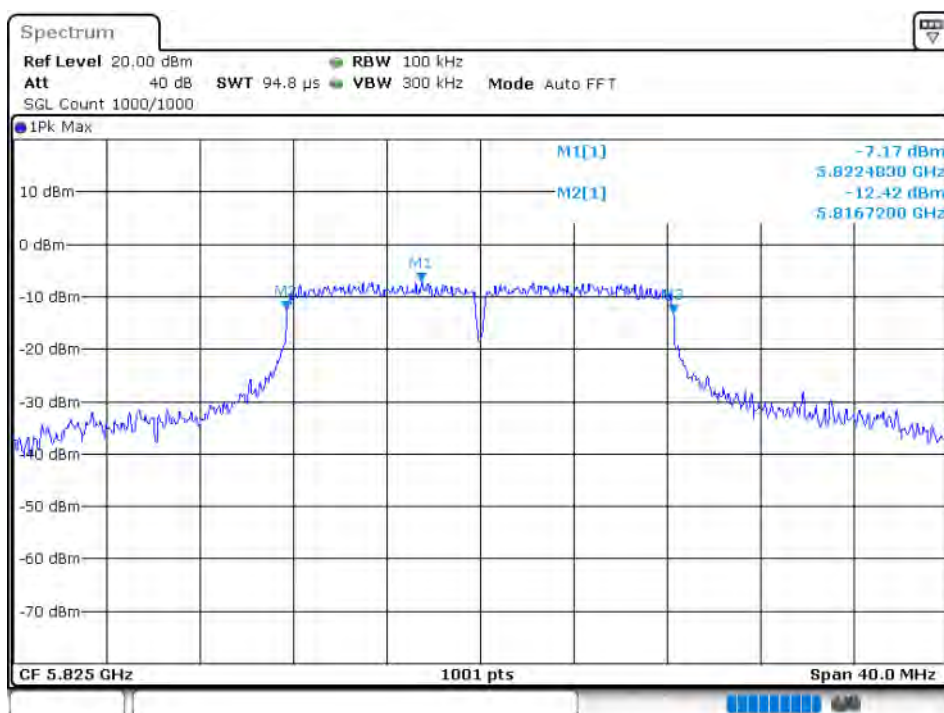
EBW NVNT 802.11a 5745MHz Ant 4



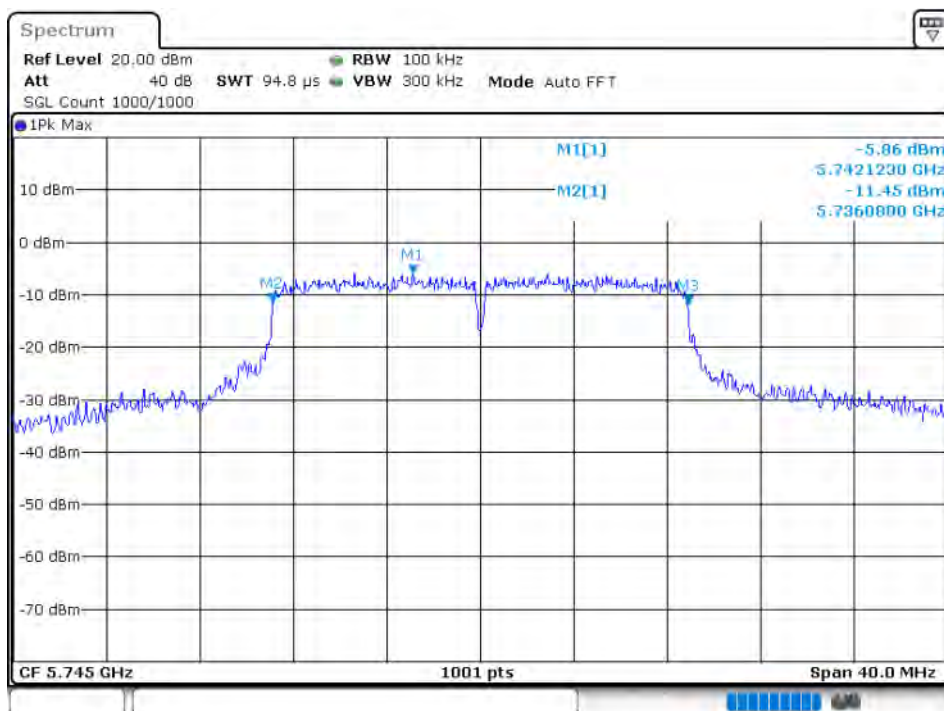
EBW NVNT 802.11a 5785MHz Ant 4



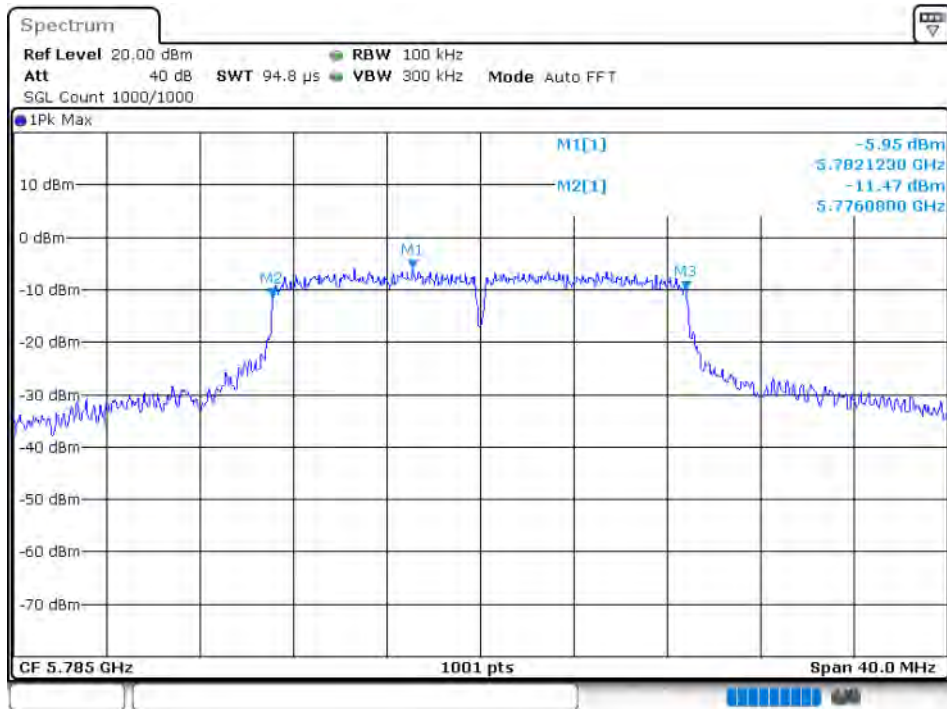
EBW NVNT 802.11a 5825MHz Ant 4



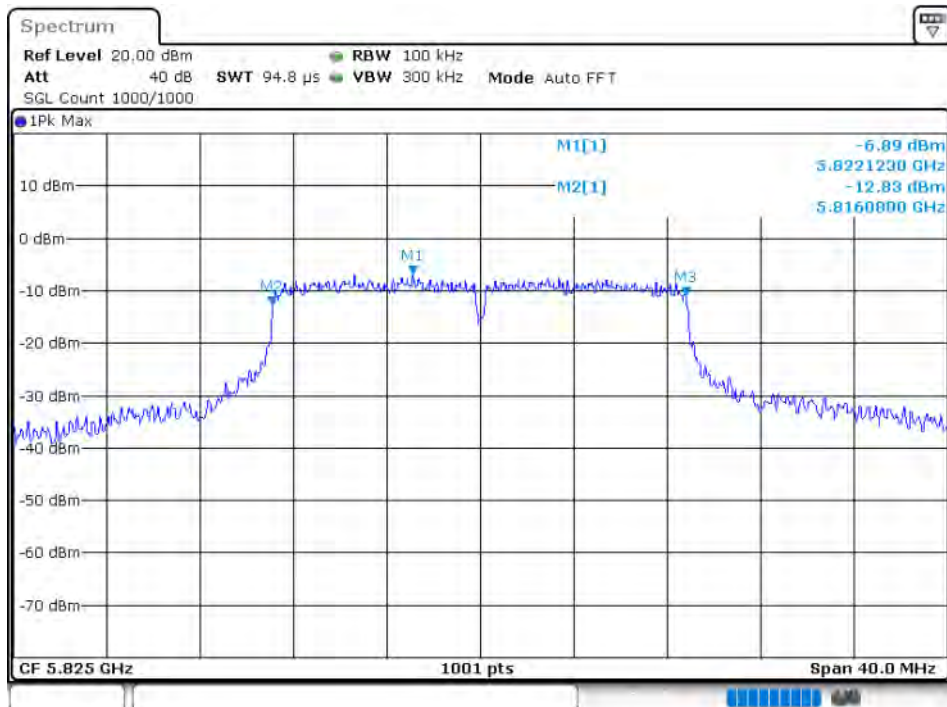
EBW NVNT 802.11n(HT20) 5745MHz Ant 3



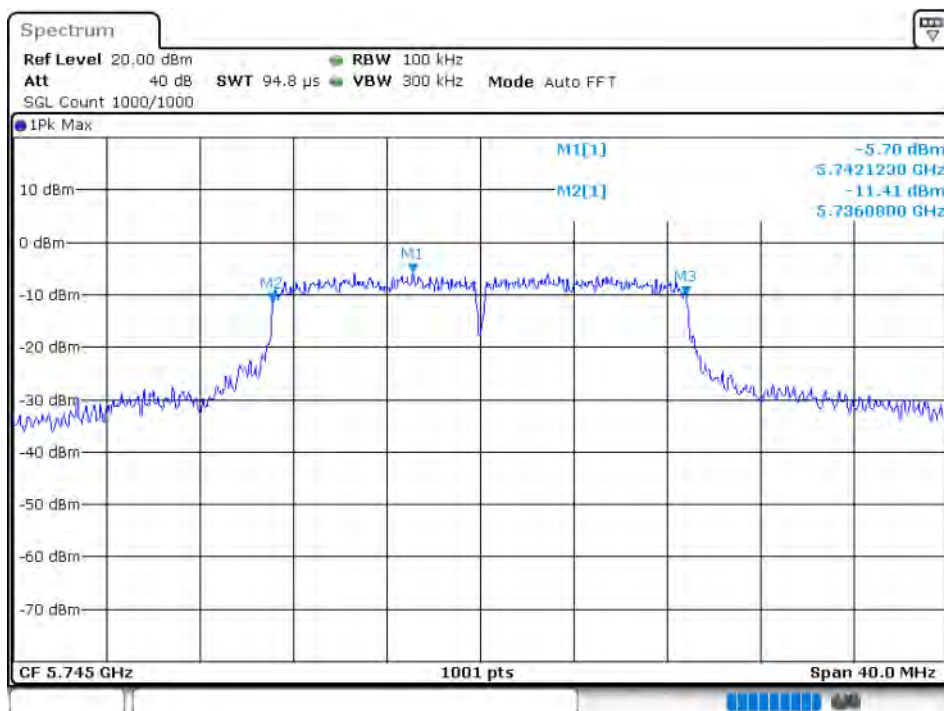
EBW NVNT 802.11n(HT20) 5785MHz Ant 3



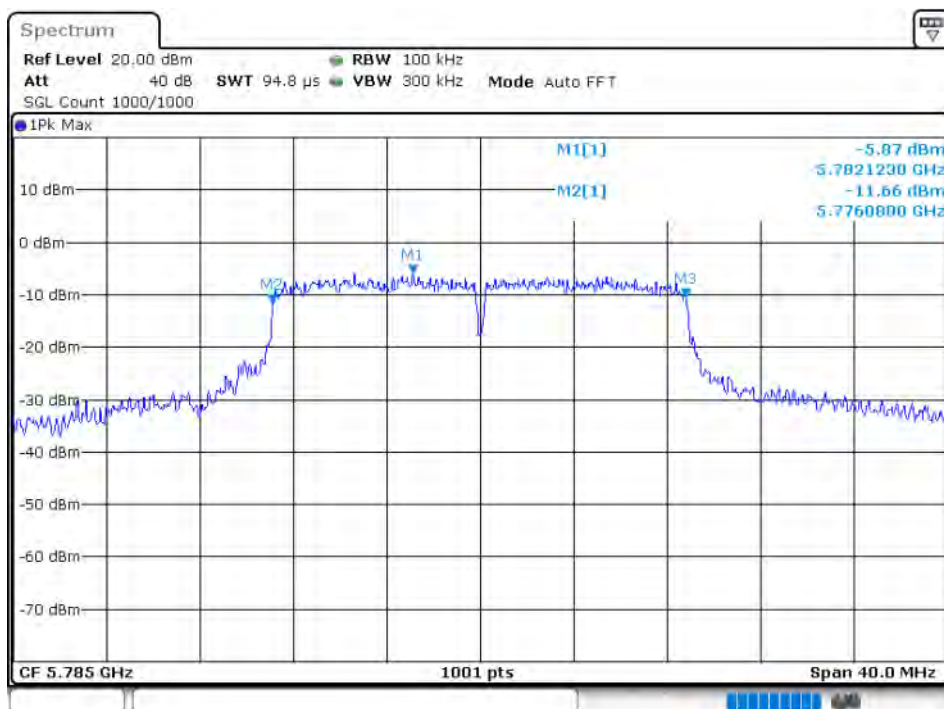
EBW NVNT 802.11n(HT20) 5825MHz Ant 3



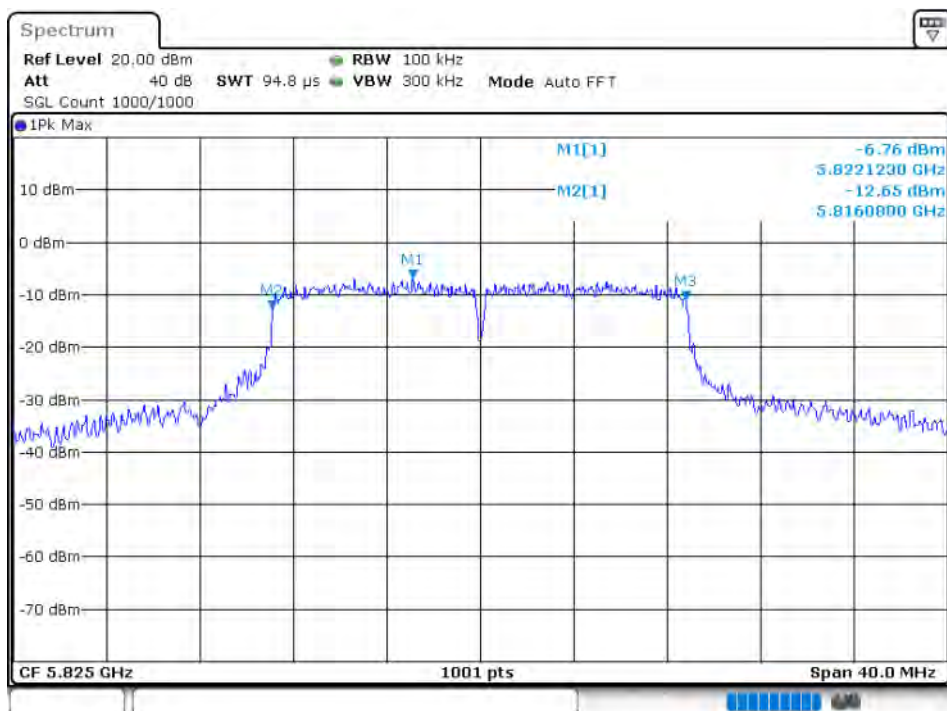
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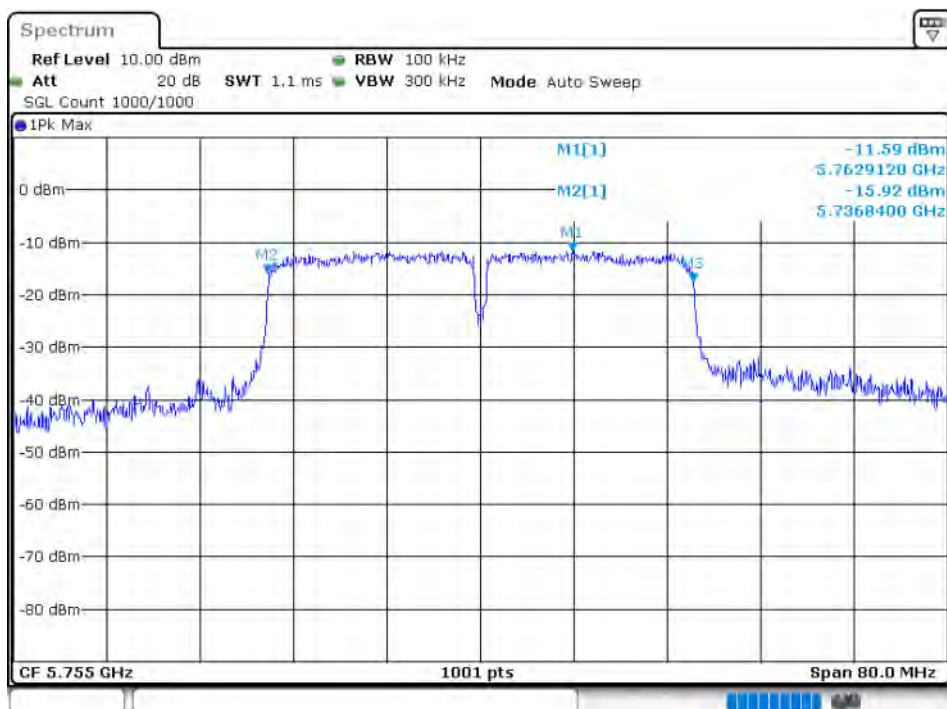
EBW NVNT 802.11n(HT20) 5785MHz Ant 4



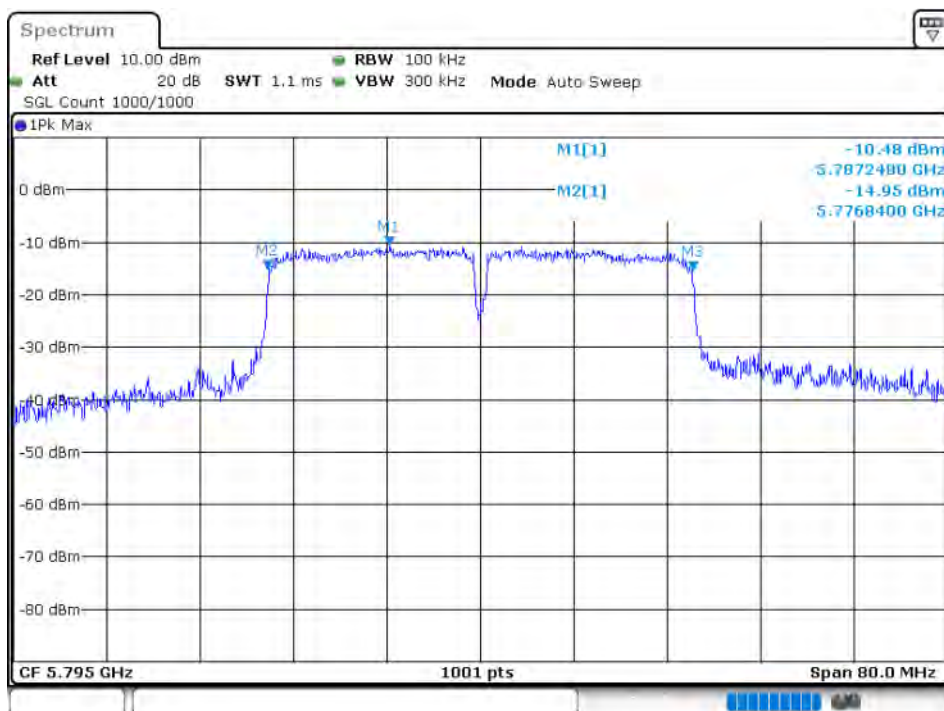
EBW NVNT 802.11n(HT20) 5825MHz Ant 4



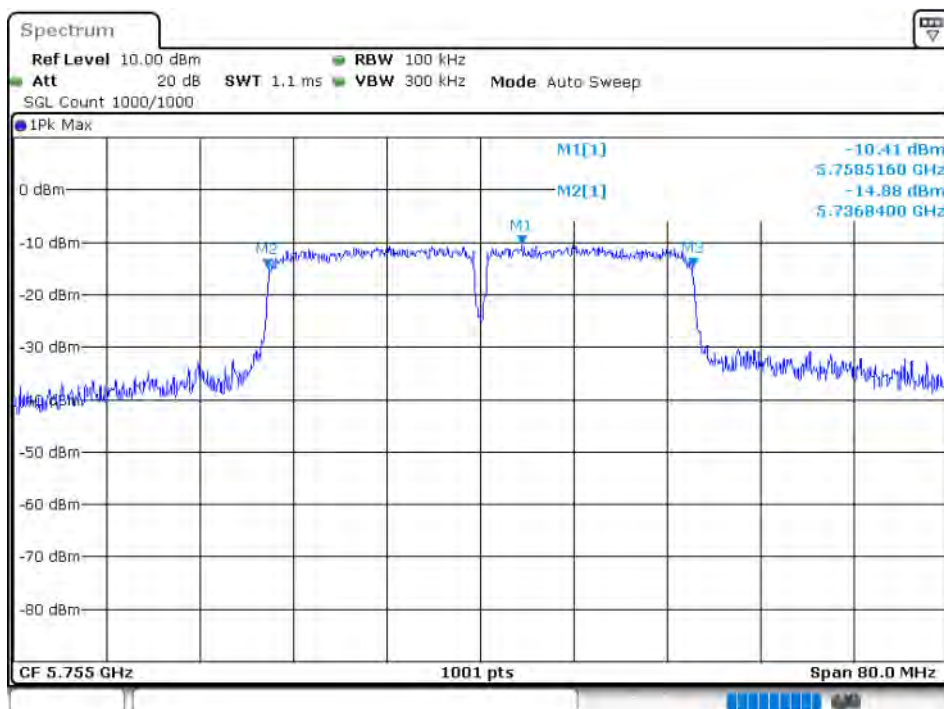
EBW NVNT 802.11n(HT40) 5755MHz Ant 3



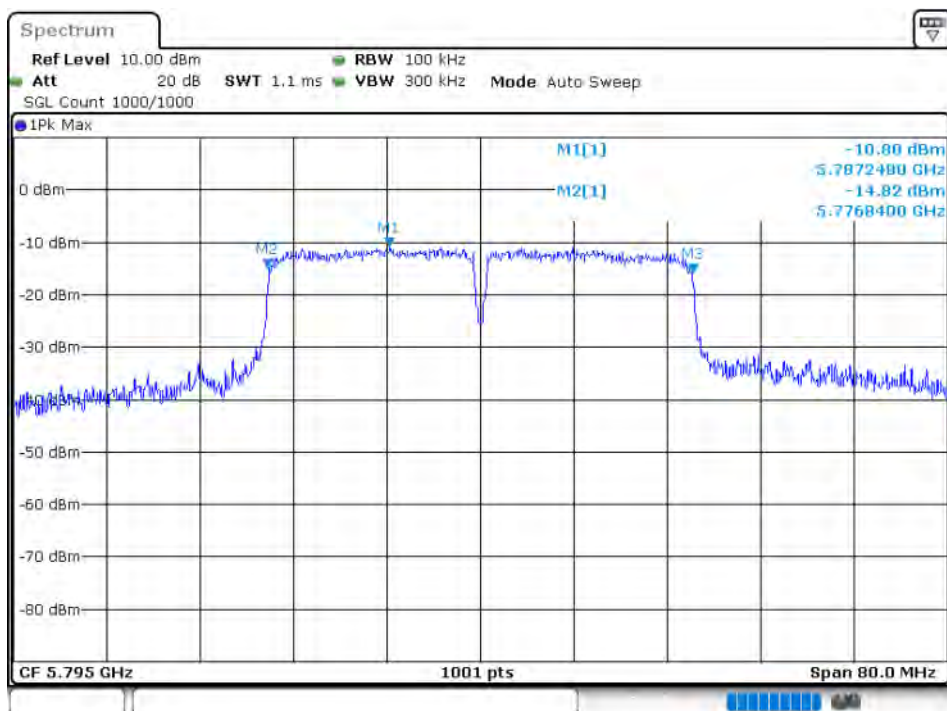
EBW NVNT 802.11n(HT40) 5795MHz Ant 3



EBW NVNT 802.11n(HT40) 5755MHz Ant 4



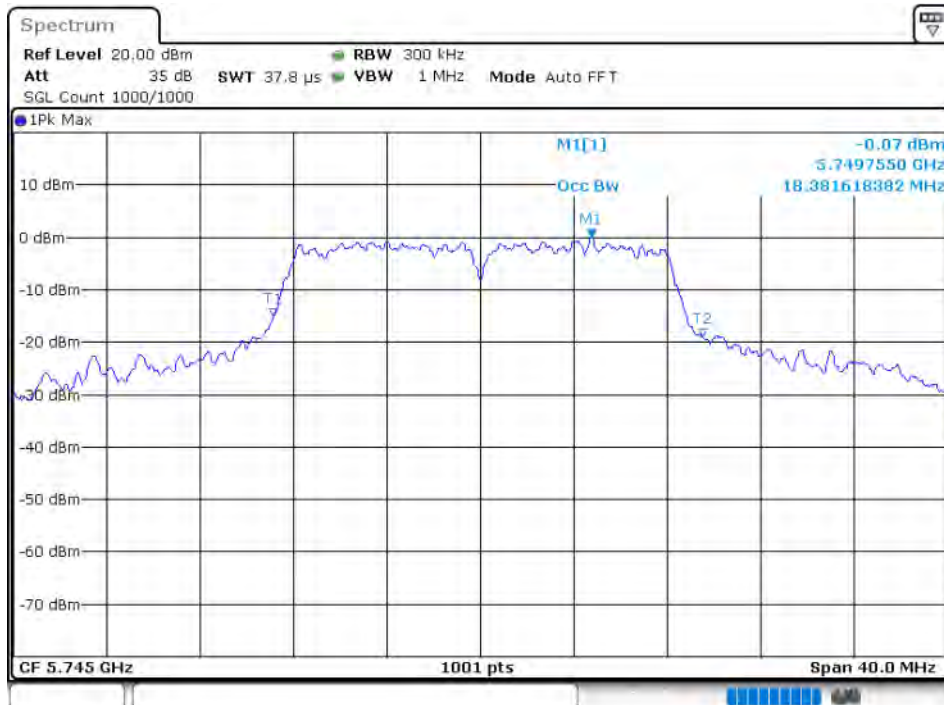
EBW NVNT 802.11n(HT40) 5795MHz Ant 4



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 3	18.3816	36.64	0.5	Pass
NVNT	802.11a	5785	Ant 3	18.7413	37.24	0.5	Pass
NVNT	802.11a	5825	Ant 3	17.7023	36.6	0.5	Pass
NVNT	802.11a	5745	Ant 4	18.5015	36.8	0.5	Pass
NVNT	802.11a	5785	Ant 4	18.1419	36.88	0.5	Pass
NVNT	802.11a	5825	Ant 4	17.5425	34.76	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 3	21.3387	39.16	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 3	19.98	37.4	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 3	18.981	36.6	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 4	19.2208	37.64	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 4	19.3407	37.84	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 4	18.5415	34.48	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 3	36.6833	68.24	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 3	36.8432	76.08	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 4	37.1628	76.08	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 4	36.8432	76.16	0.5	Pass

OBW NVNT 802.11a 5745MHz Ant 3



-26 dB BW NVNT 802.11a 5745MHz Ant 3



OBW NVNT 802.11a 5785MHz Ant 3



-26 dB BW NVNT 802.11a 5785MHz Ant 3



OBW NVNT 802.11a 5825MHz Ant 3



-26 dB BW NVNT 802.11a 5825MHz Ant 3



OBW NVNT 802.11a 5745MHz Ant 4



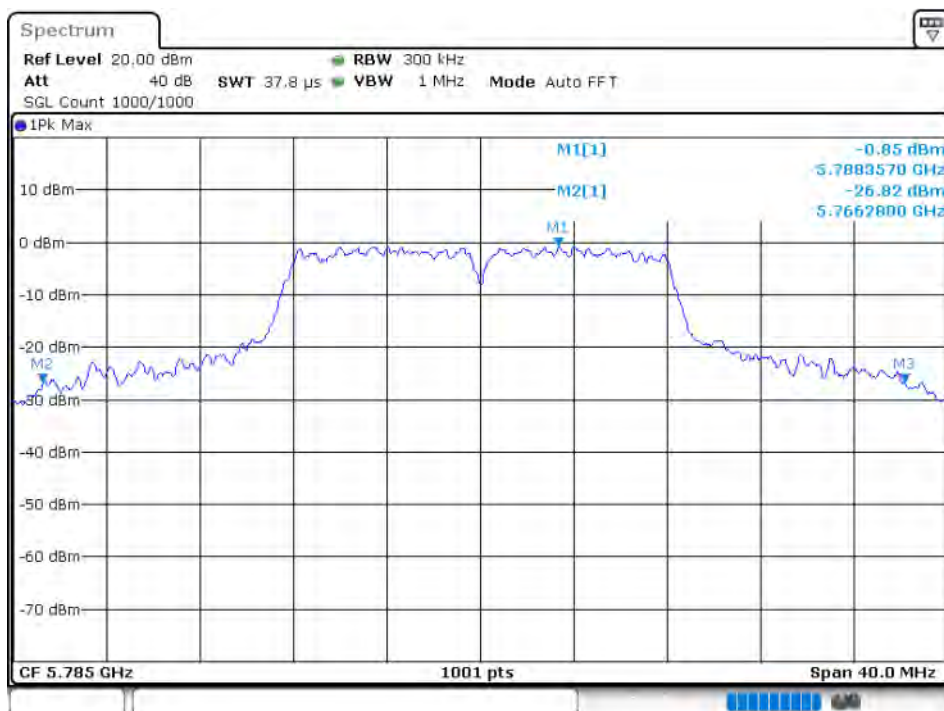
-26 dB BW NVNT 802.11a 5745MHz Ant 4



OBW NVNT 802.11a 5785MHz Ant 4



-26 dB BW NVNT 802.11a 5785MHz Ant 4



OBW NVNT 802.11a 5825MHz Ant 4



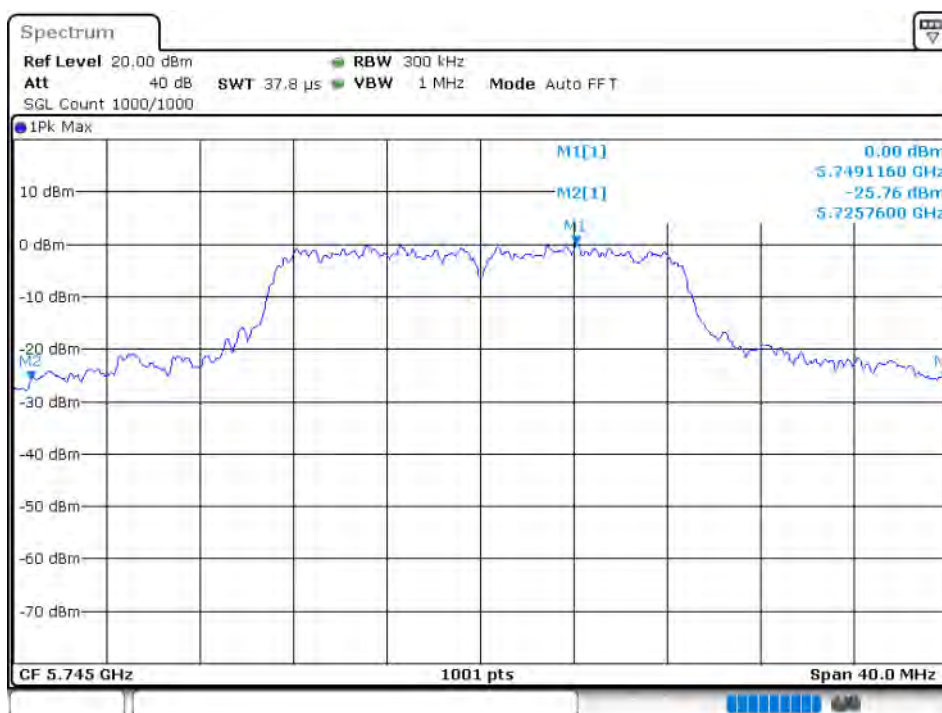
-26 dB BW NVNT 802.11a 5825MHz Ant 4



OBW NVNT 802.11n(HT20) 5745MHz Ant 3



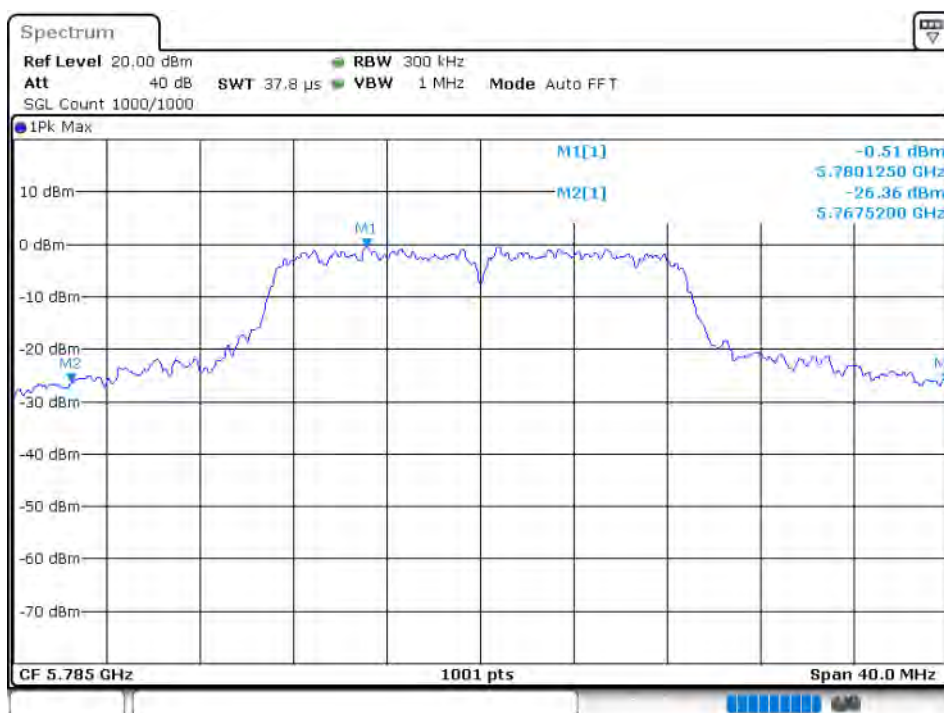
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant 3



OBW NVNT 802.11n(HT20) 5785MHz Ant 3



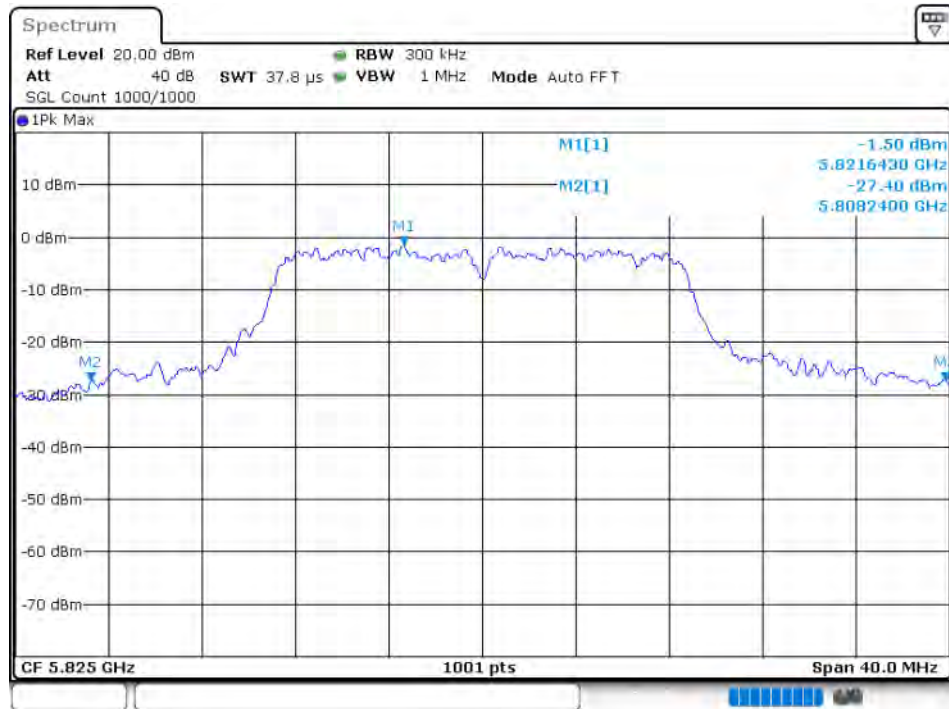
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant 3



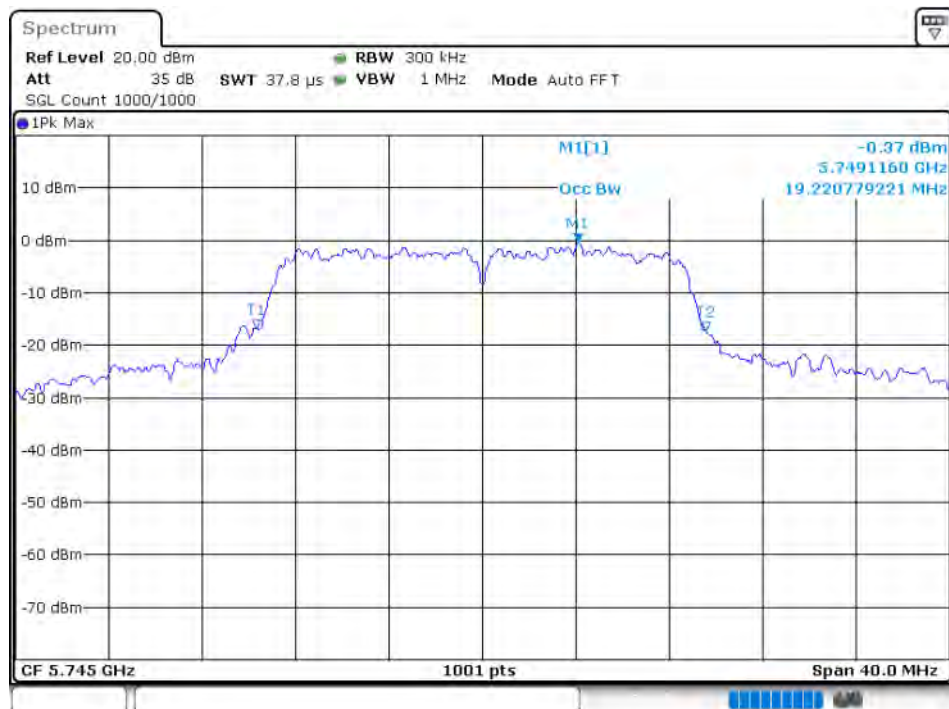
OBW NVNT 802.11n(HT20) 5825MHz Ant 3



-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant 3



OBW NVNT 802.11n(HT20) 5745MHz Ant 4



-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant 4



OBW NVNT 802.11n(HT20) 5785MHz Ant 4



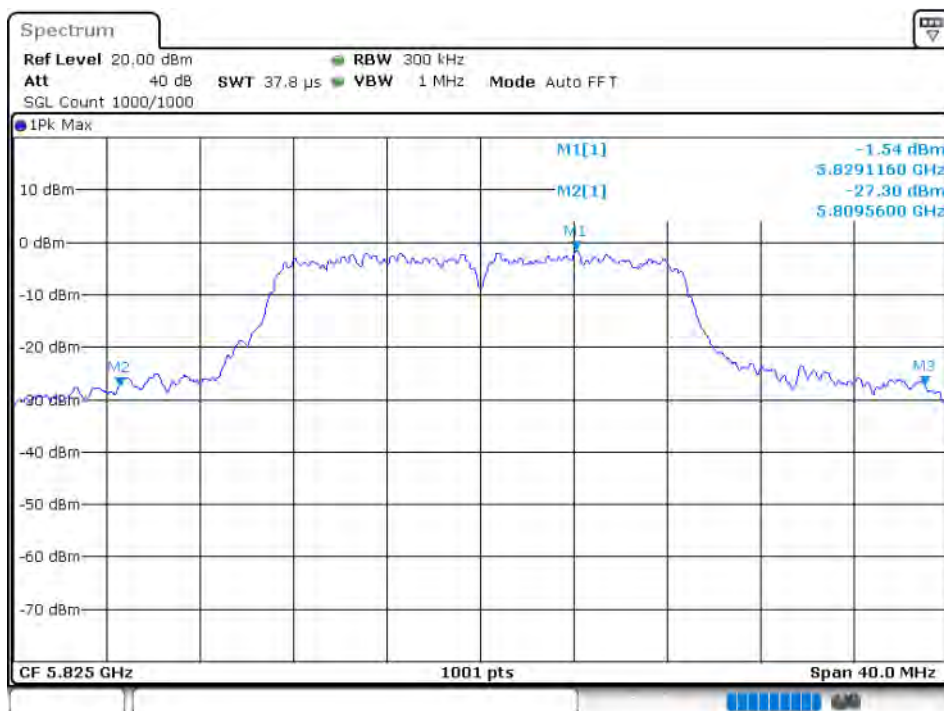
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant 4



OBW NVNT 802.11n(HT20) 5825MHz Ant 4



-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant 4



OBW NVNT 802.11n(HT40) 5755MHz Ant 3



-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant 3



OBW NVNT 802.11n(HT40) 5795MHz Ant 3



-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant 3



OBW NVNT 802.11n(HT40) 5755MHz Ant 4



-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant 4



OBW NVNT 802.11n(HT40) 5795MHz Ant 4



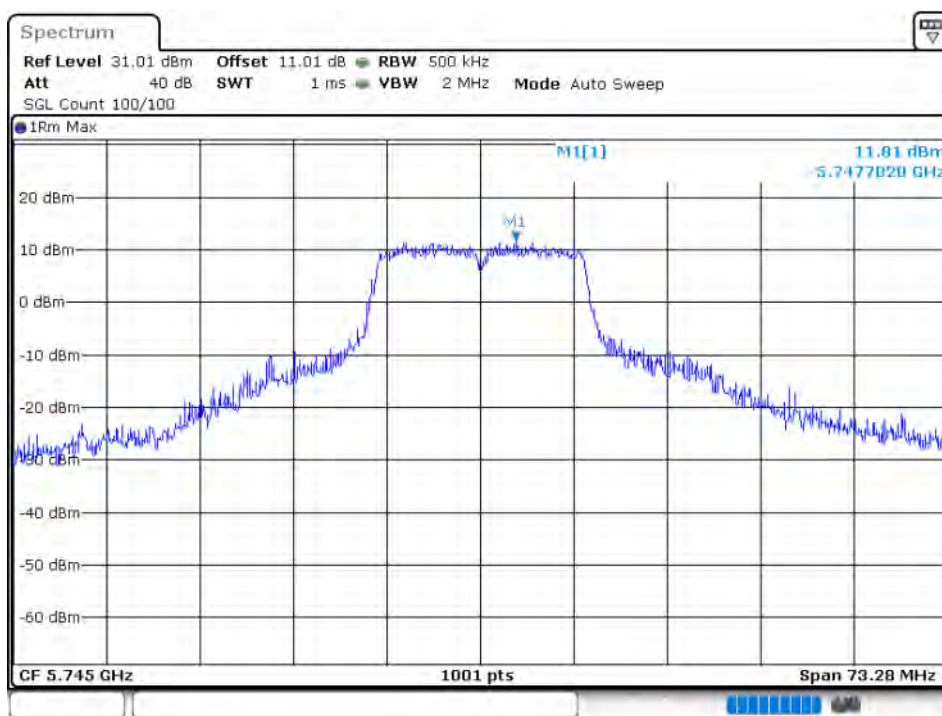
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant 4



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 3	11.808	30	Pass
NVNT	802.11a	5785	Ant 3	11.658	30	Pass
NVNT	802.11a	5825	Ant 3	10.39	30	Pass
NVNT	802.11a	5745	Ant 4	11.811	30	Pass
NVNT	802.11a	5785	Ant 4	11.468	30	Pass
NVNT	802.11a	5825	Ant 4	10.555	30	Pass
NVNT	802.11n(HT20)	5745	Ant 3	11.891	30	Pass
NVNT	802.11n(HT20)	5785	Ant 3	11.63	30	Pass
NVNT	802.11n(HT20)	5825	Ant 3	10.423	30	Pass
NVNT	802.11n(HT20)	5745	Ant 4	11.358	30	Pass
NVNT	802.11n(HT20)	5785	Ant 4	10.919	30	Pass
NVNT	802.11n(HT20)	5825	Ant 4	10.189	30	Pass
NVNT	802.11n(HT40)	5755	Ant 3	6.341	30	Pass
NVNT	802.11n(HT40)	5795	Ant 3	6.338	30	Pass
NVNT	802.11n(HT40)	5755	Ant 4	6.574	30	Pass
NVNT	802.11n(HT40)	5795	Ant 4	6.697	30	Pass

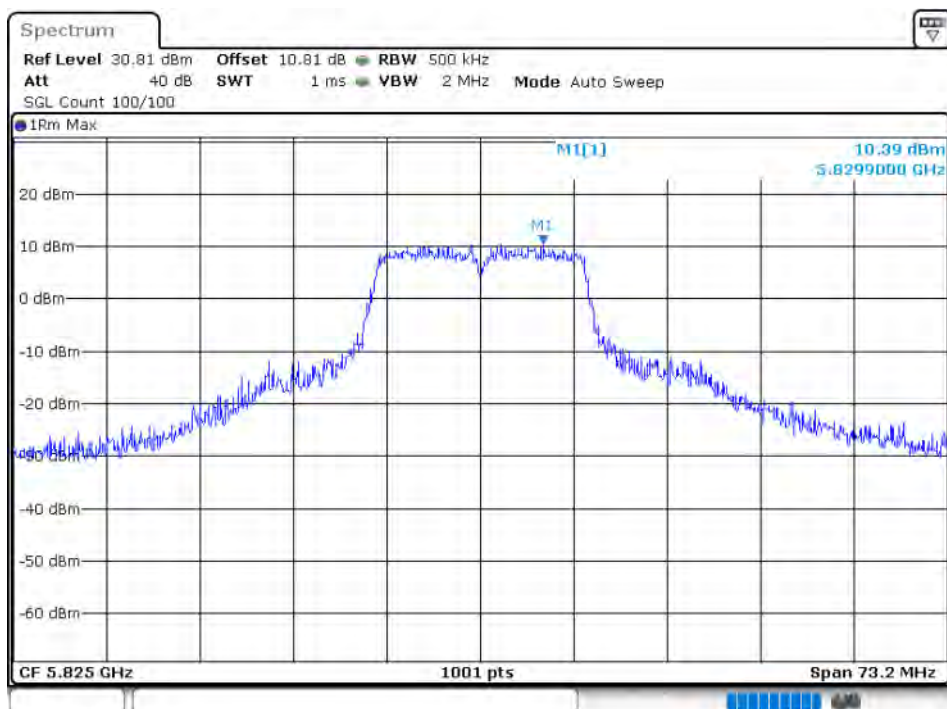
PSD NVNT 802.11a 5745MHz Ant 3



PSD NVNT 802.11a 5785MHz Ant 3



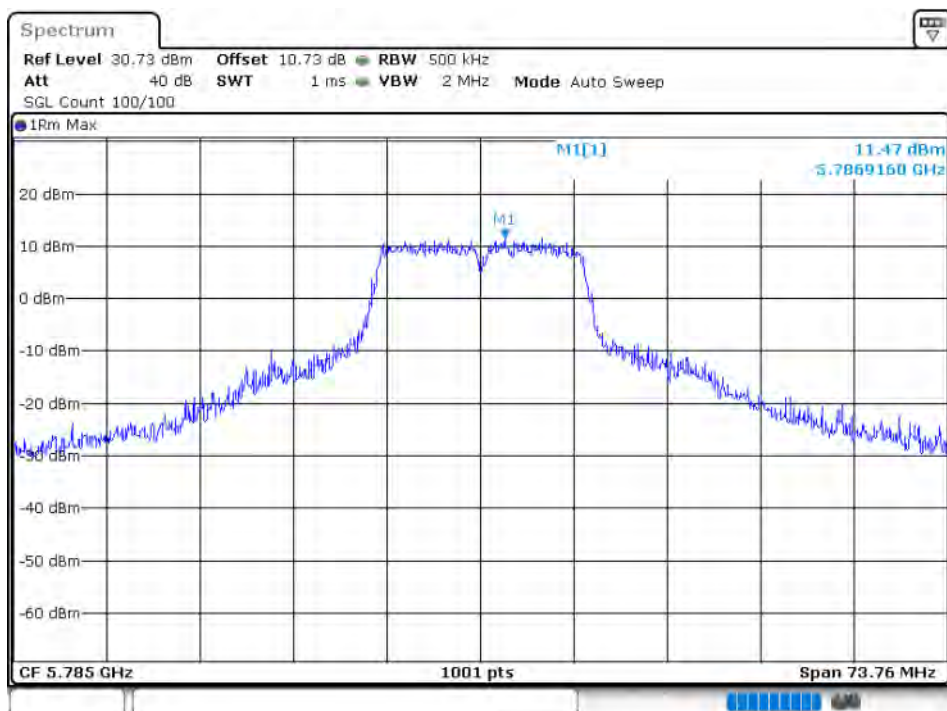
PSD NVNT 802.11a 5825MHz Ant 3



PSD NVNT 802.11a 5745MHz Ant 4



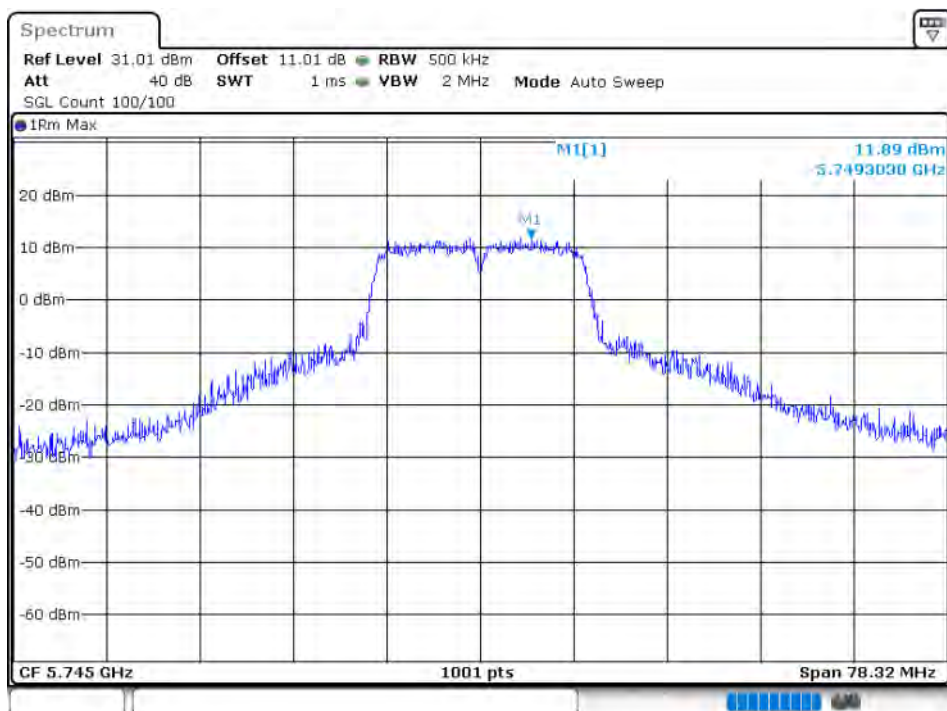
PSD NVNT 802.11a 5785MHz Ant 4



PSD NVNT 802.11a 5825MHz Ant 4



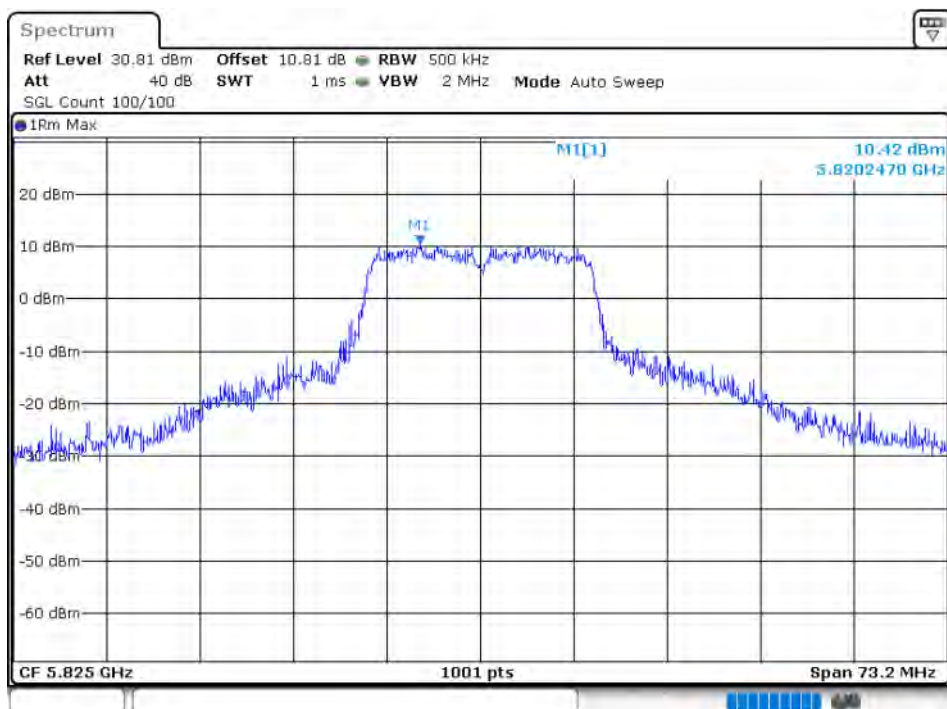
PSD NVNT 802.11n(HT20) 5745MHz Ant 3



PSD NVNT 802.11n(HT20) 5785MHz Ant 3



PSD NVNT 802.11n(HT20) 5825MHz Ant 3



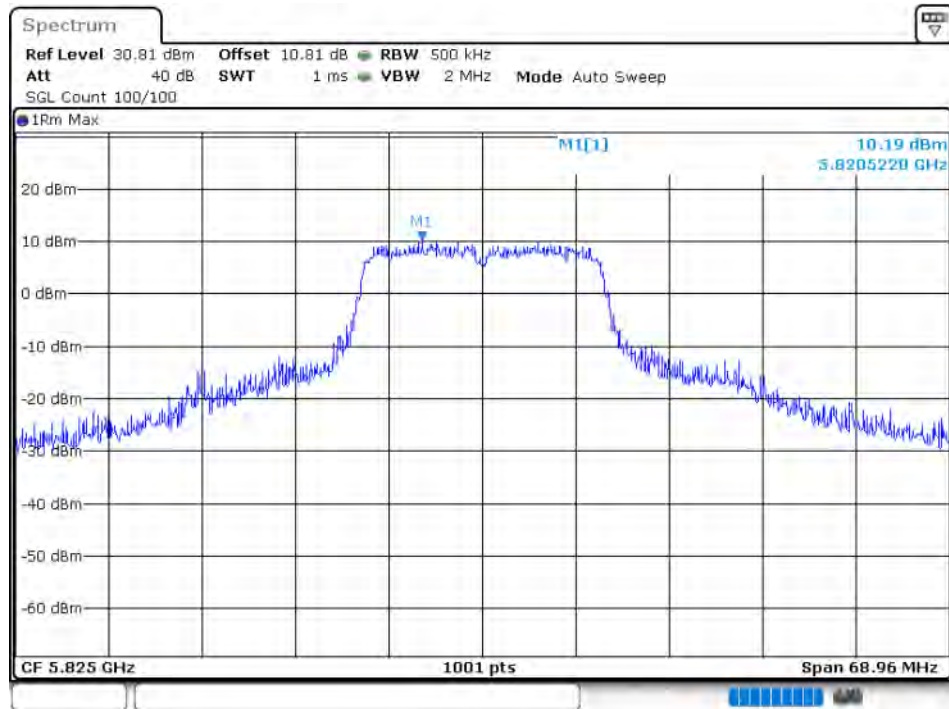
PSD NVNT 802.11n(HT20) 5745MHz Ant 4



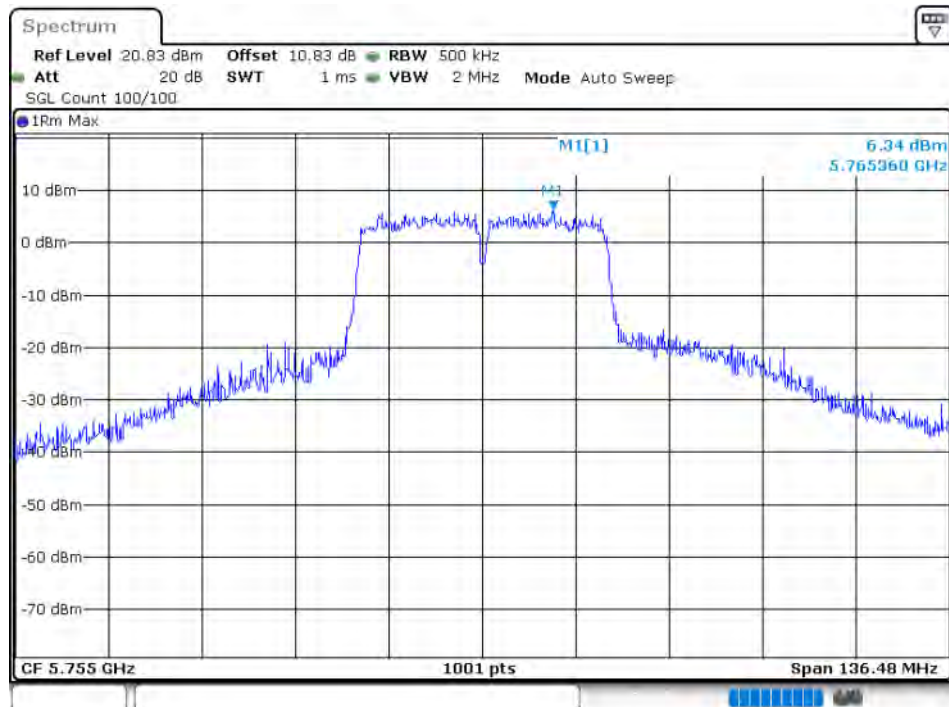
PSD NVNT 802.11n(HT20) 5785MHz Ant 4



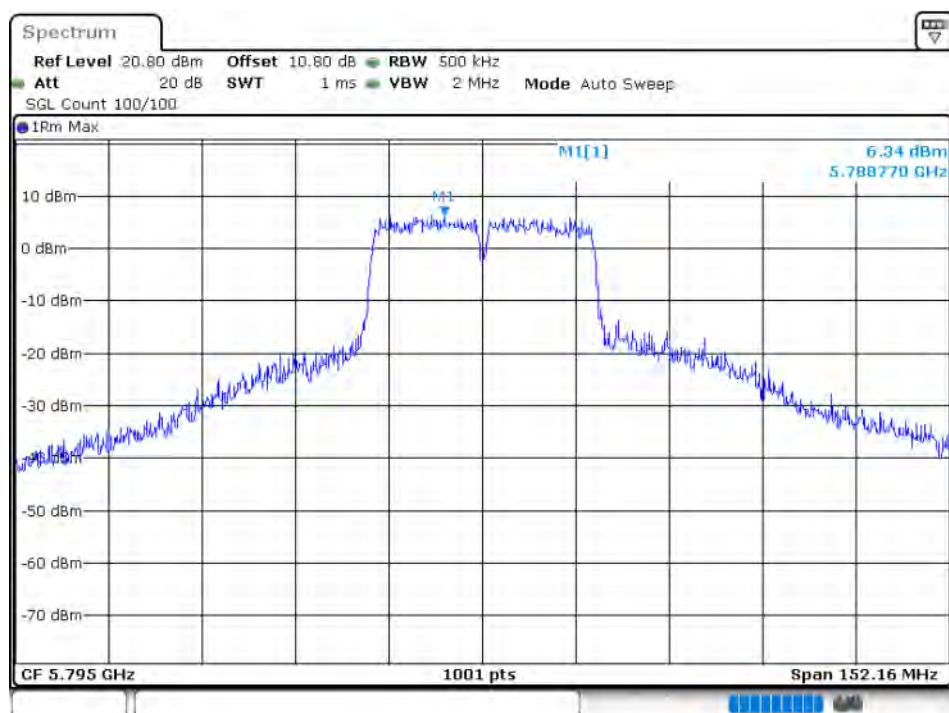
PSD NVNT 802.11n(HT20) 5825MHz Ant 4



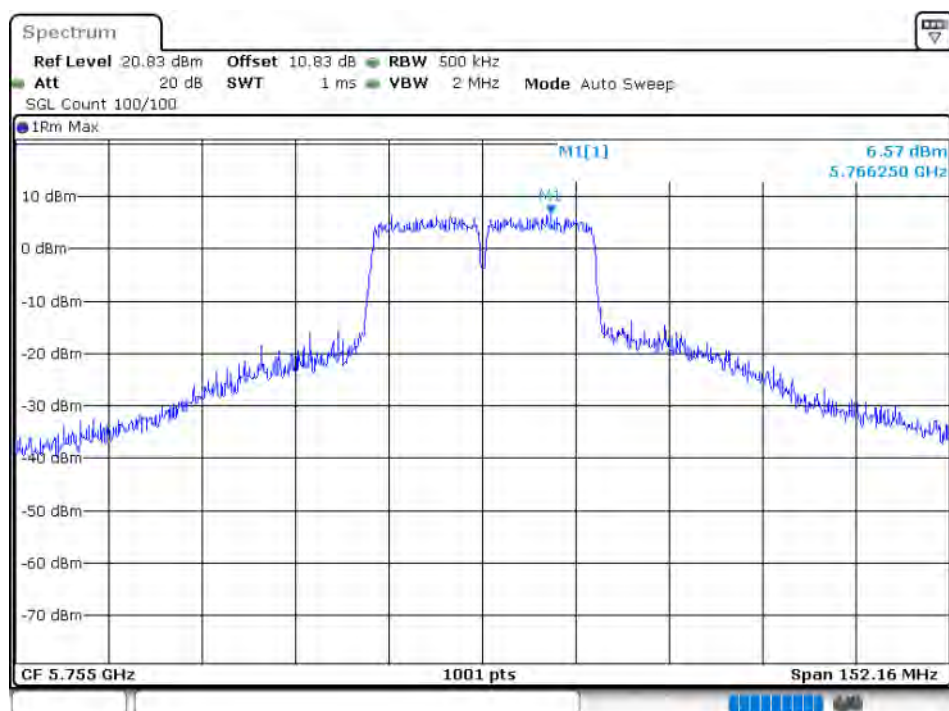
PSD NVNT 802.11n(HT40) 5755MHz Ant 3



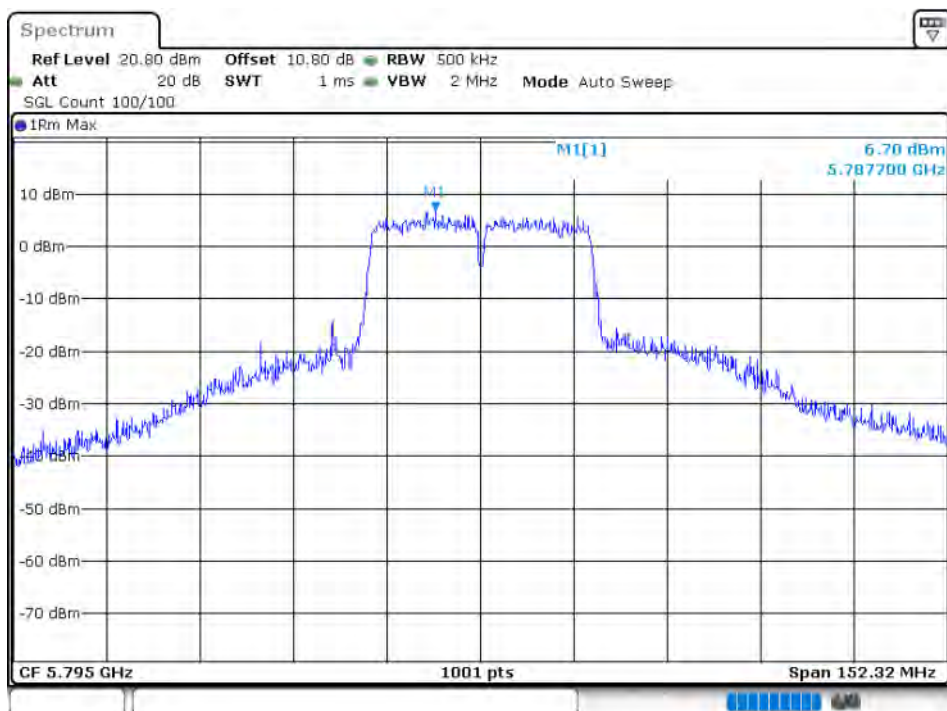
PSD NVNT 802.11n(HT40) 5795MHz Ant 3



PSD NVNT 802.11n(HT40) 5755MHz Ant 4



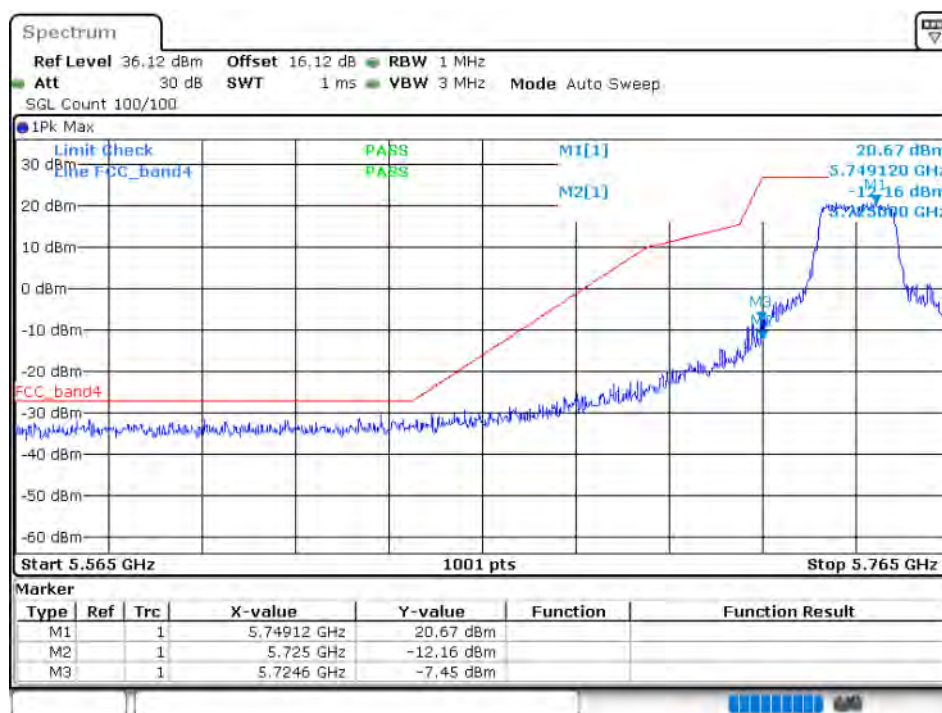
PSD NVNT 802.11n(HT40) 5795MHz Ant 4



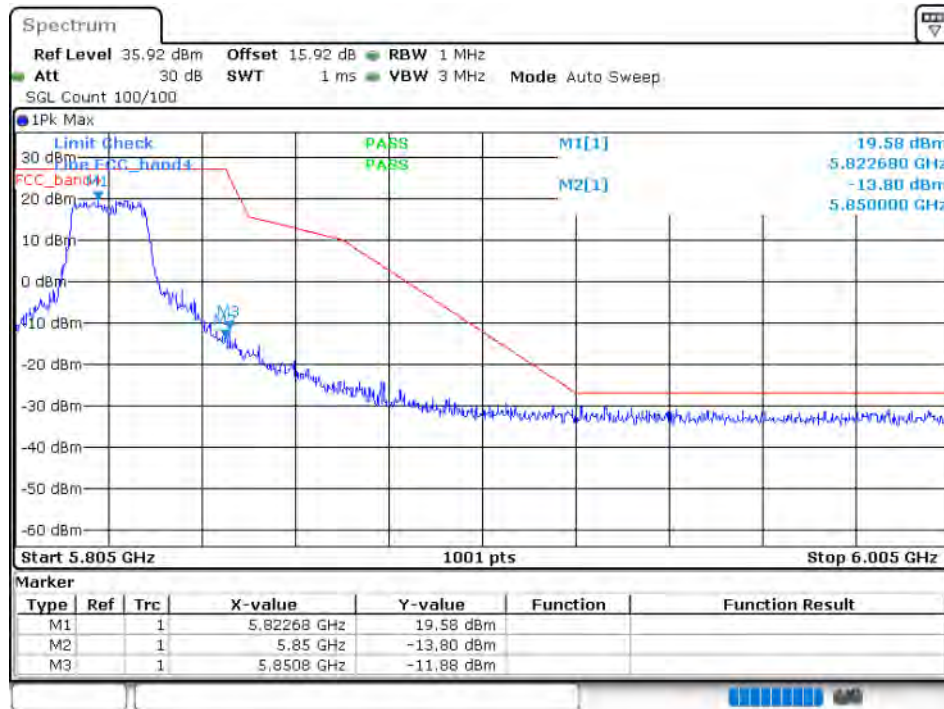
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	802.11a	5745	Ant 3	-7.45	Pass
NVNT	802.11a	5825	Ant 3	-11.88	Pass
NVNT	802.11a	5745	Ant 4	-7.22	Pass
NVNT	802.11a	5825	Ant 4	-12.85	Pass
NVNT	802.11n(HT20)	5745	Ant 3	-6	Pass
NVNT	802.11n(HT20)	5825	Ant 3	-9.9	Pass
NVNT	802.11n(HT20)	5745	Ant 4	-5.02	Pass
NVNT	802.11n(HT20)	5825	Ant 4	-12.17	Pass
NVNT	802.11n(HT40)	5755	Ant 3	-11.73	Pass
NVNT	802.11n(HT40)	5795	Ant 3	-16.8	Pass
NVNT	802.11n(HT40)	5755	Ant 4	-8.13	Pass
NVNT	802.11n(HT40)	5795	Ant 4	-18.2	Pass

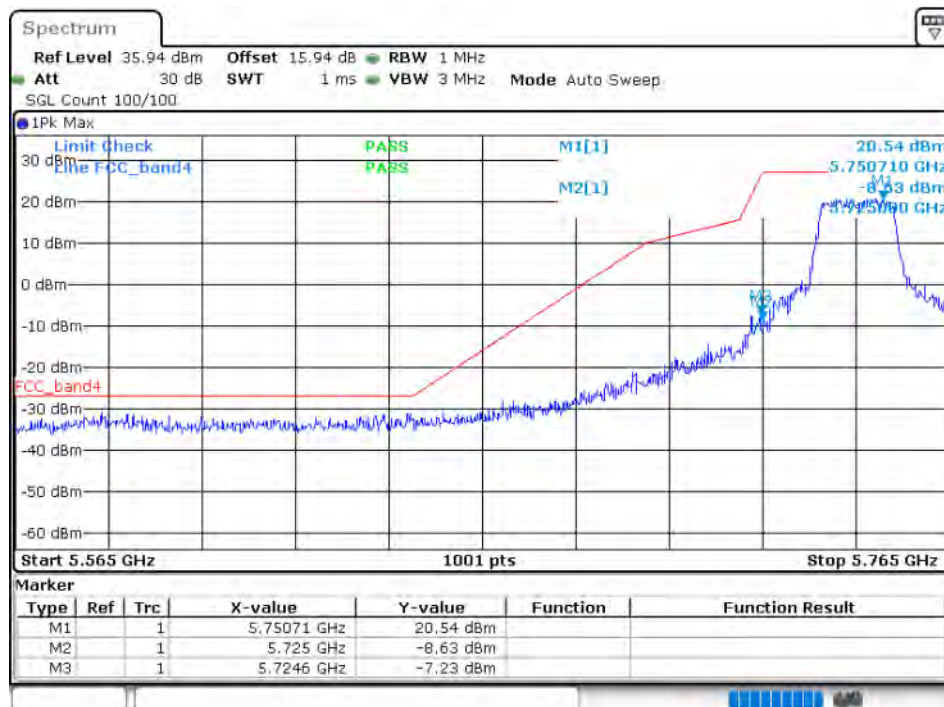
Band Edge NVNT 802.11a 5745MHz Low Ant 3



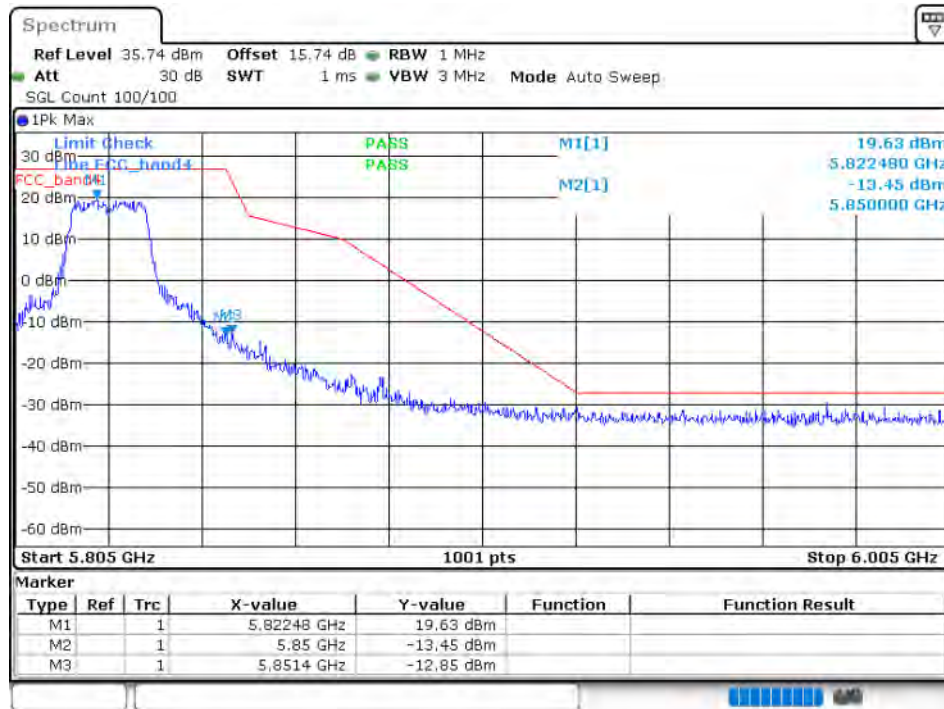
Band Edge NVNT 802.11a 5825MHz High Ant 3



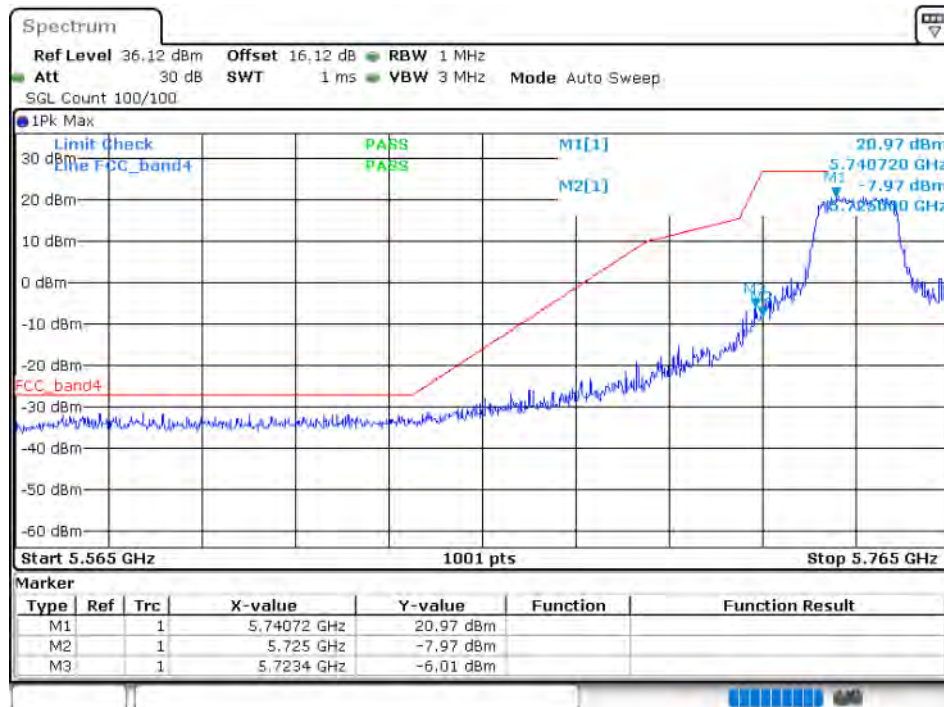
Band Edge NVNT 802.11a 5745MHz Low Ant 4



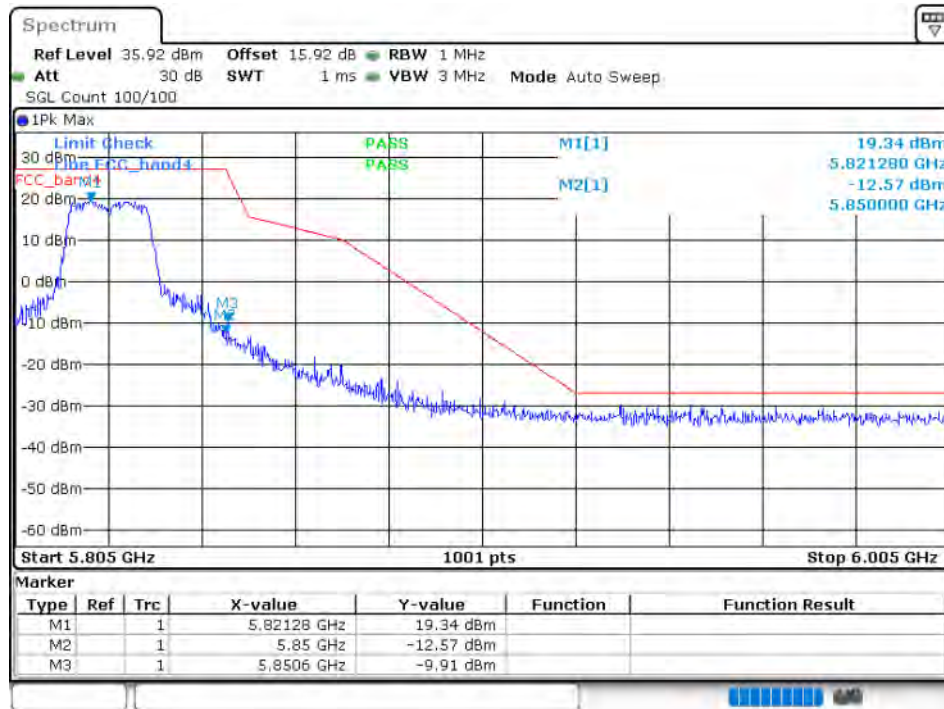
Band Edge NVNT 802.11a 5825MHz High Ant 4



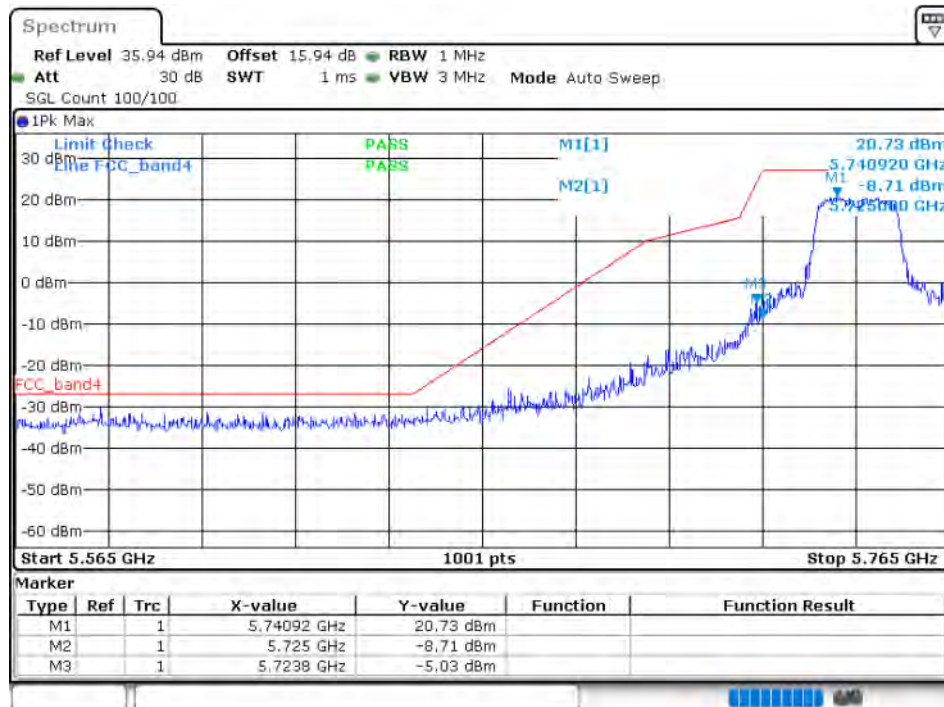
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 3



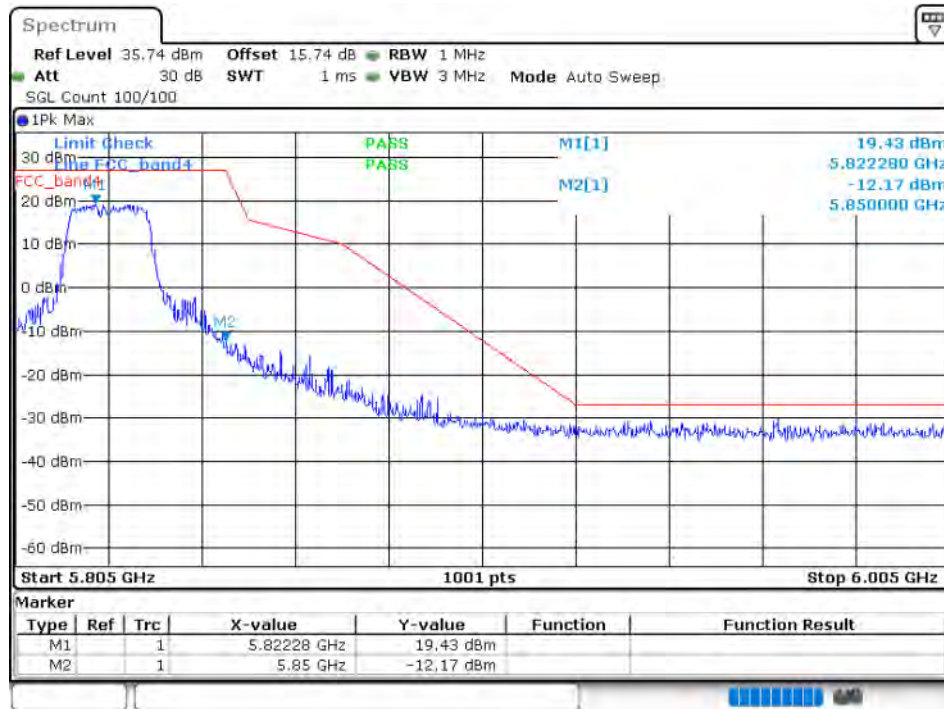
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 3



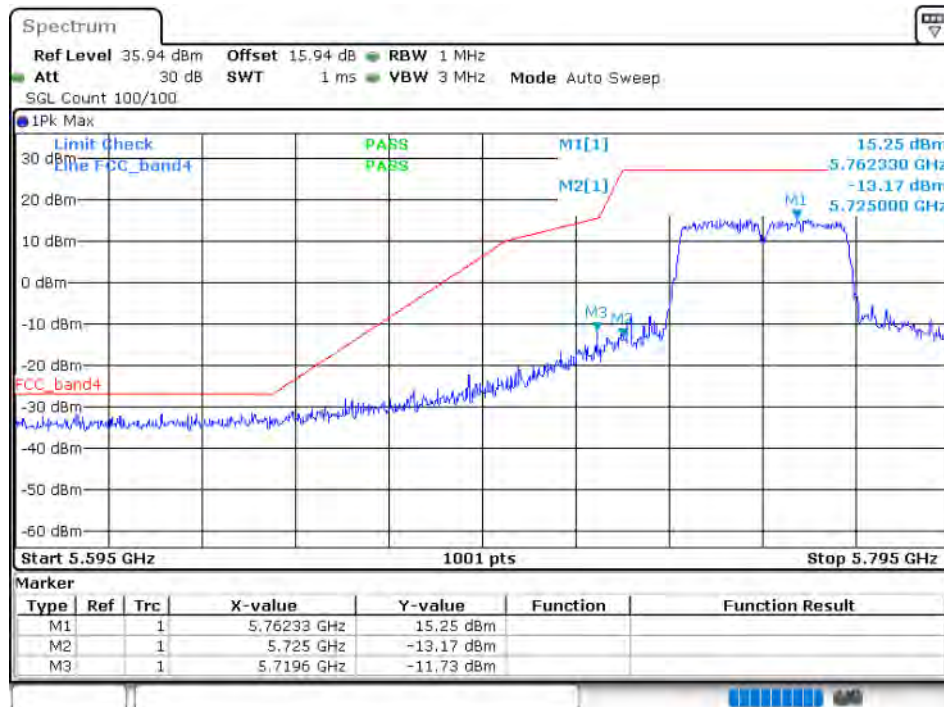
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 4



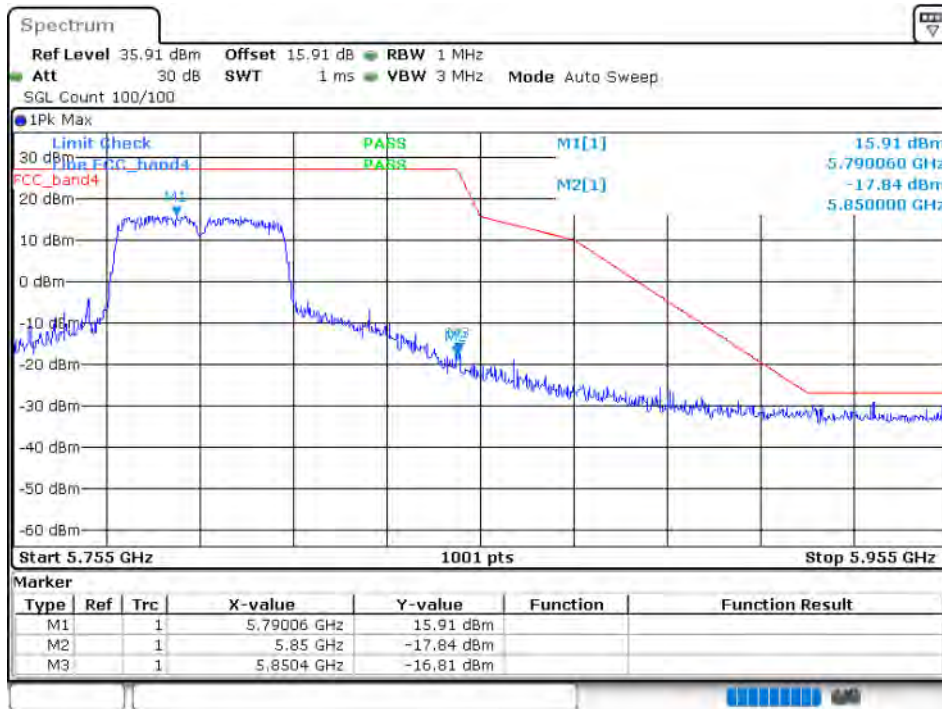
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 4



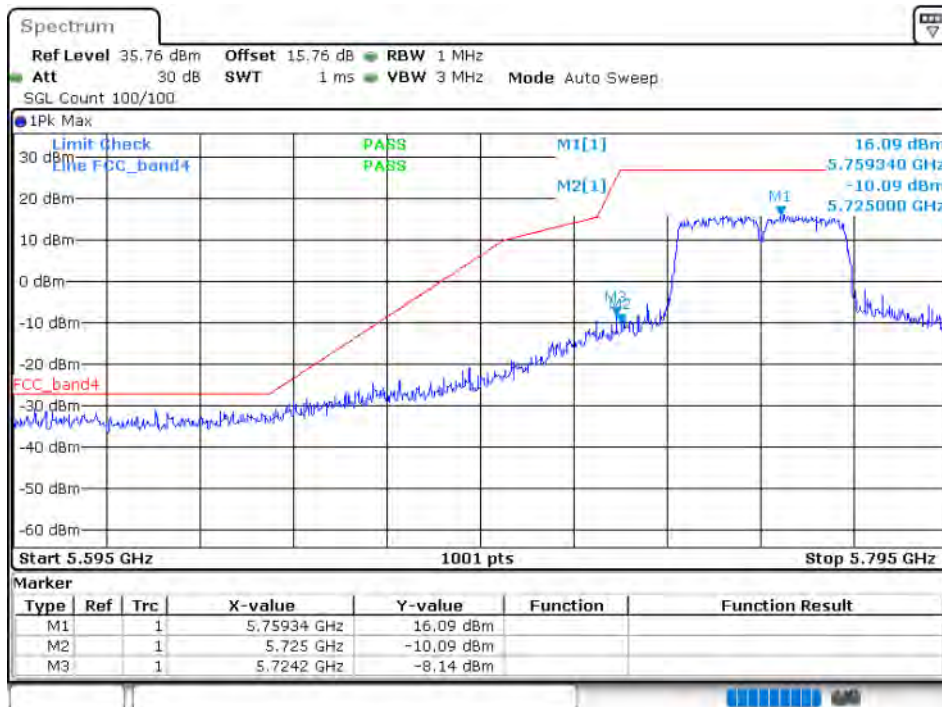
Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 3



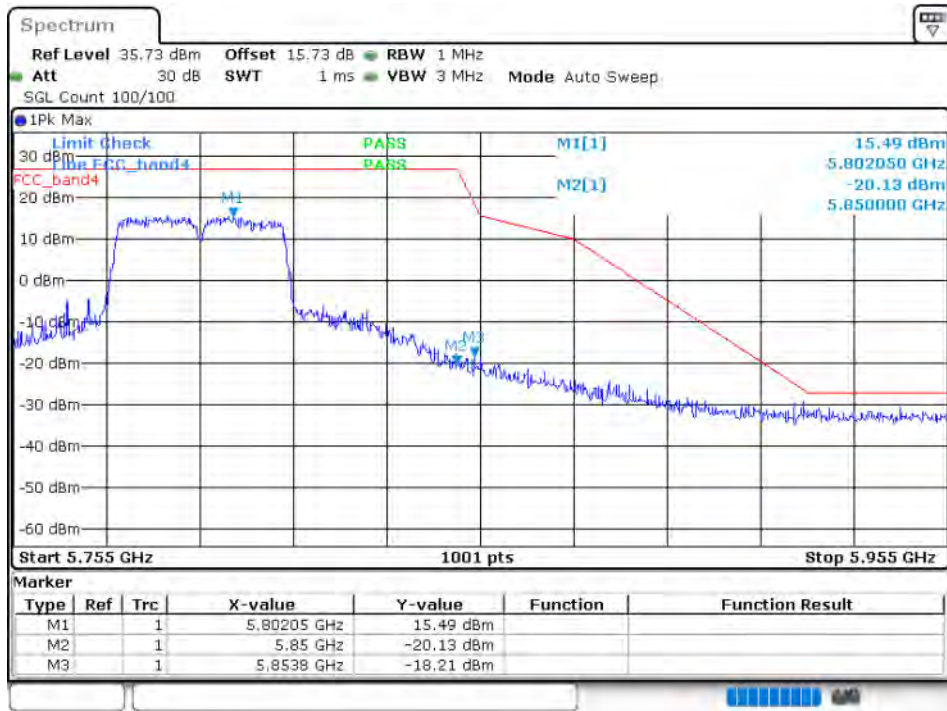
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 3



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 4



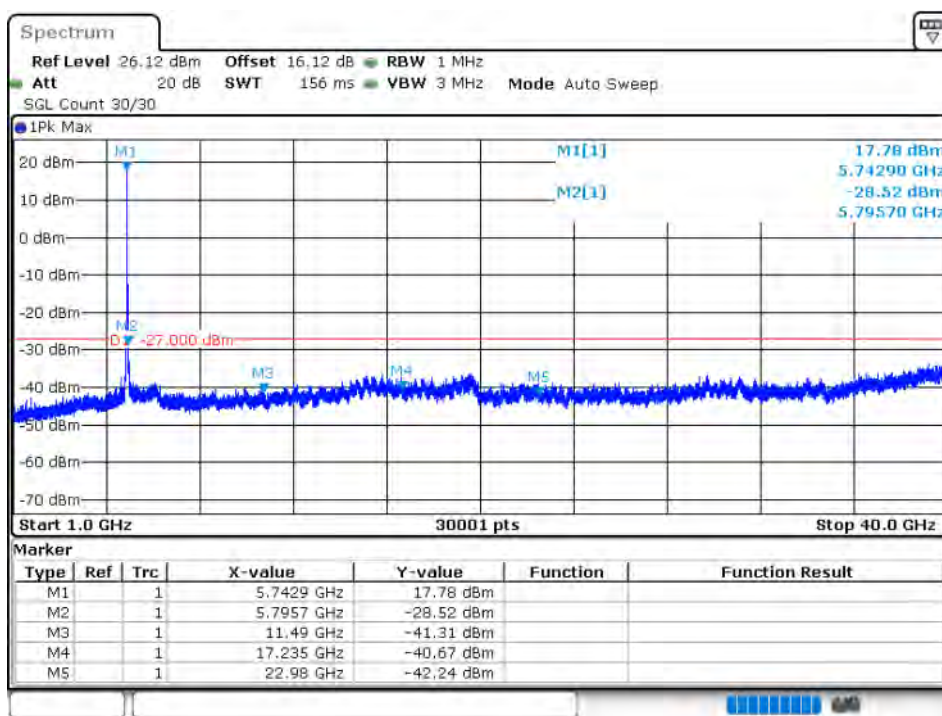
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 4



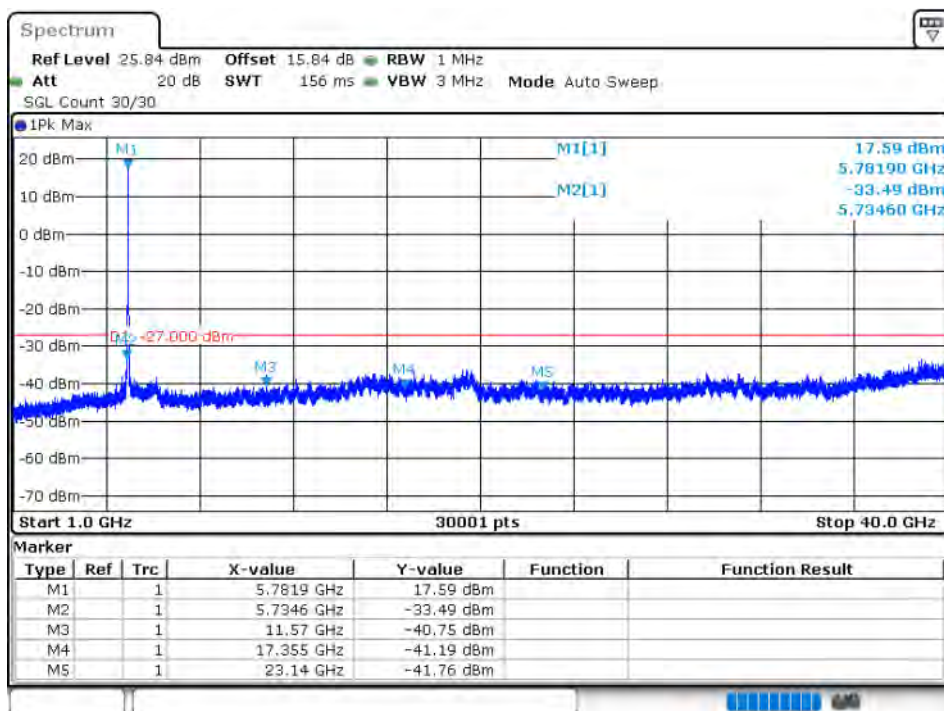
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 3	-28.52	-27	Pass
NVNT	802.11a	5785	Ant 3	-33.49	-27	Pass
NVNT	802.11a	5825	Ant 3	-30.17	-27	Pass
NVNT	802.11a	5745	Ant 4	-28.85	-27	Pass
NVNT	802.11a	5785	Ant 4	-32.04	-27	Pass
NVNT	802.11a	5825	Ant 4	-30	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 3	-29.32	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 3	-28.67	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 3	-33.17	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 4	-28.2	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 4	-29.36	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 4	-30.24	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 3	-32.16	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 3	-31.8	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 4	-29.81	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 4	-29.93	-27	Pass

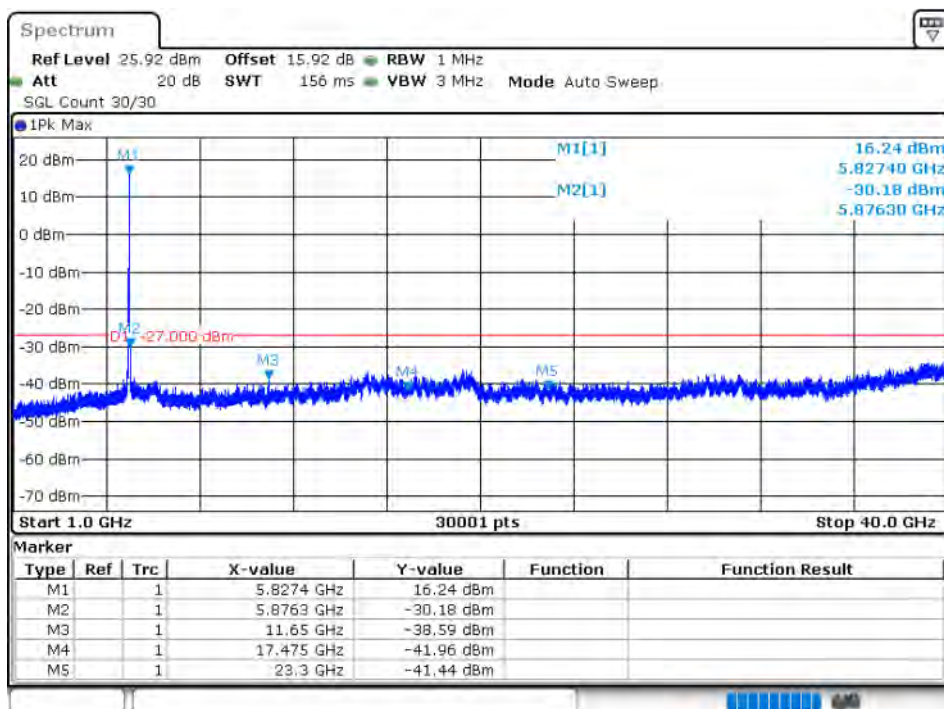
Tx. Spurious NVNT 802.11a 5745MHz Ant 3 Emission



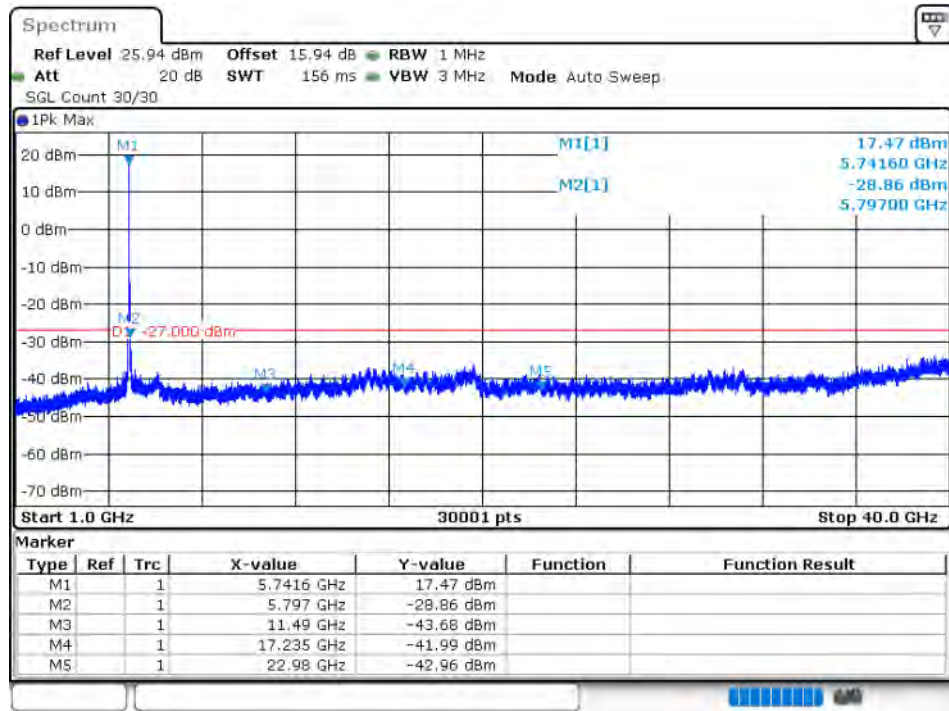
Tx. Spurious NVNT 802.11a 5785MHz Ant 3 Emission



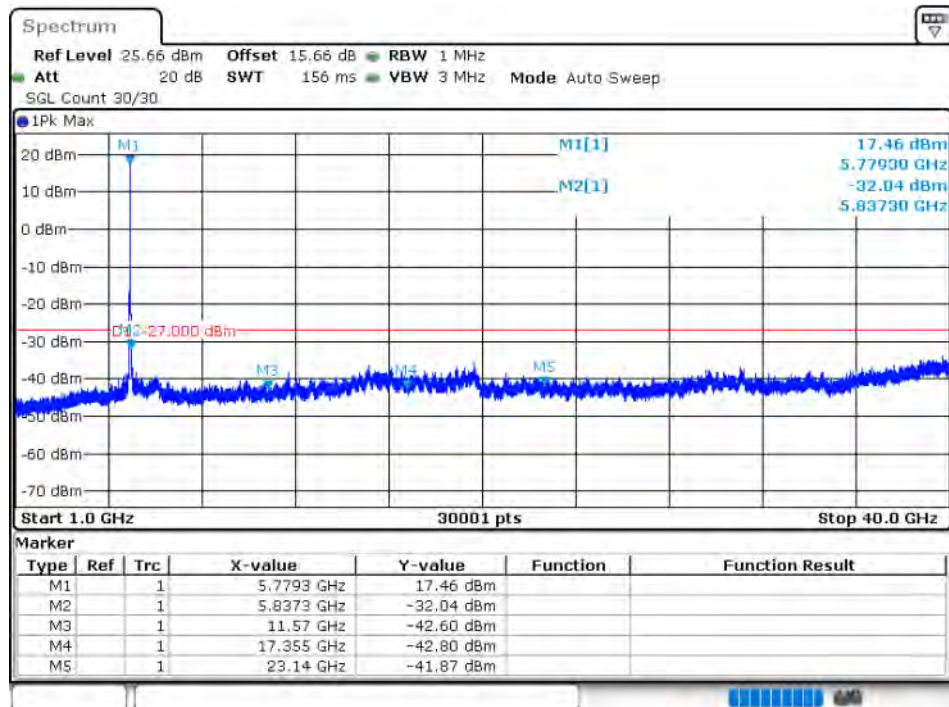
Tx. Spurious NVNT 802.11a 5825MHz Ant 3 Emission



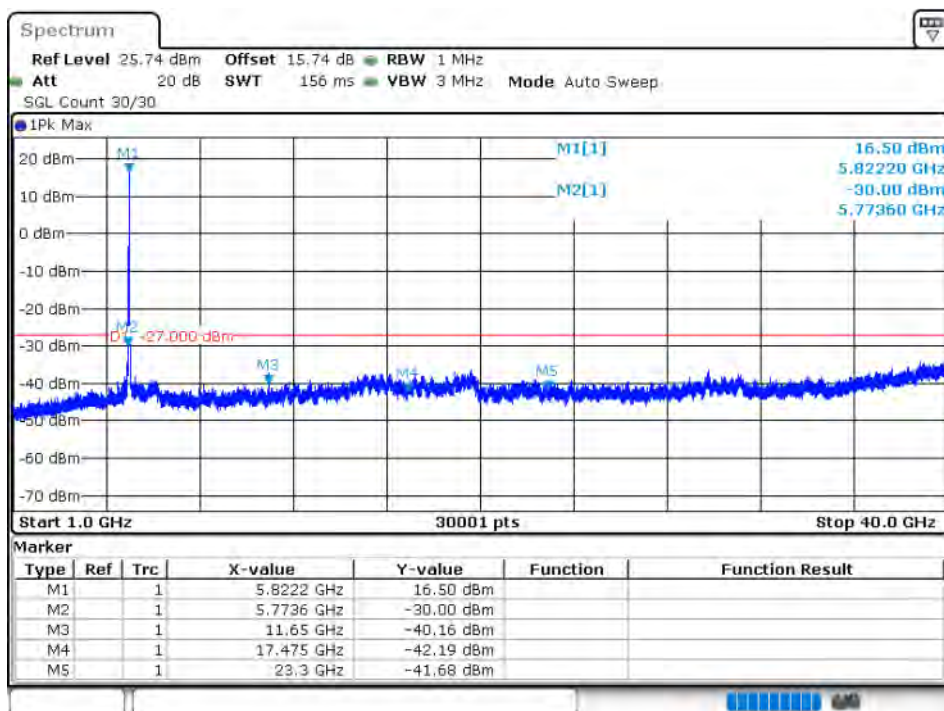
Tx. Spurious NVNT 802.11a 5745MHz Ant 4 Emission



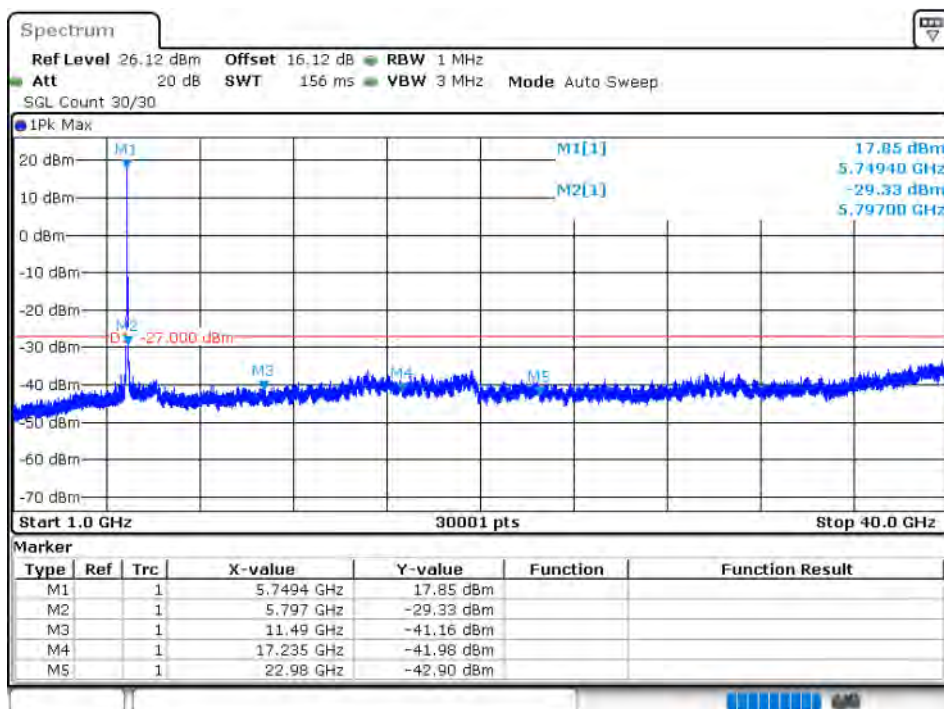
Tx. Spurious NVNT 802.11a 5785MHz Ant 4 Emission



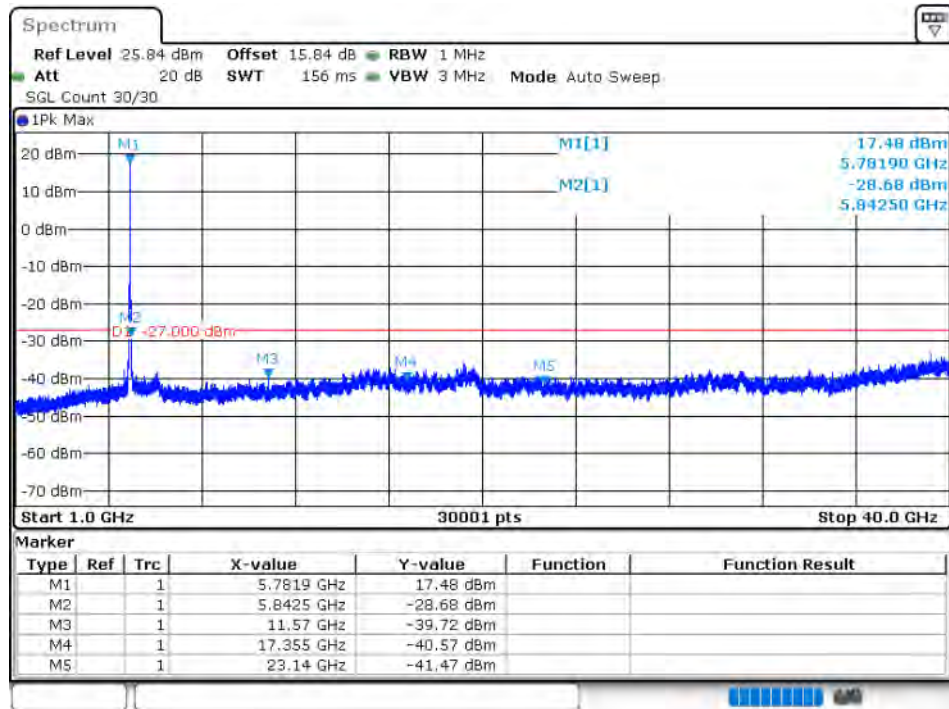
Tx. Spurious NVNT 802.11a 5825MHz Ant 4 Emission



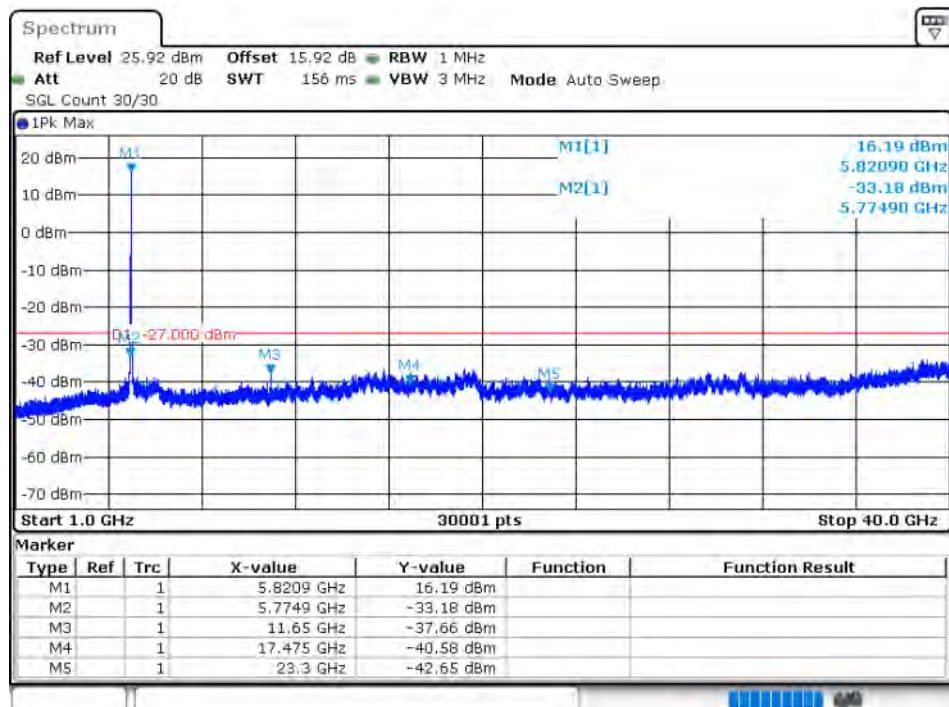
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant 3 Emission



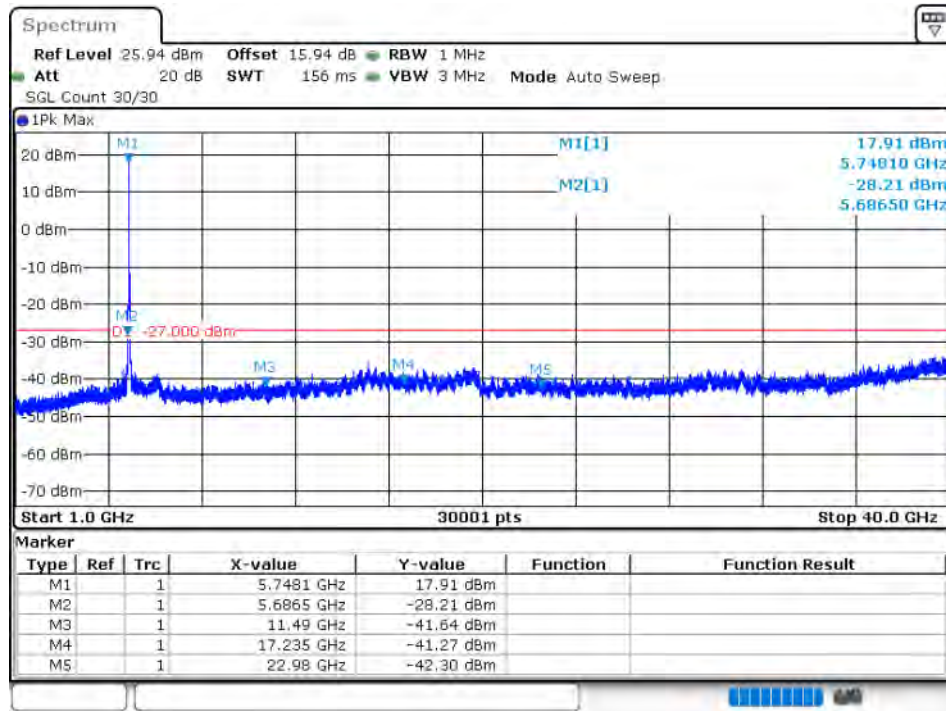
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant 3 Emission



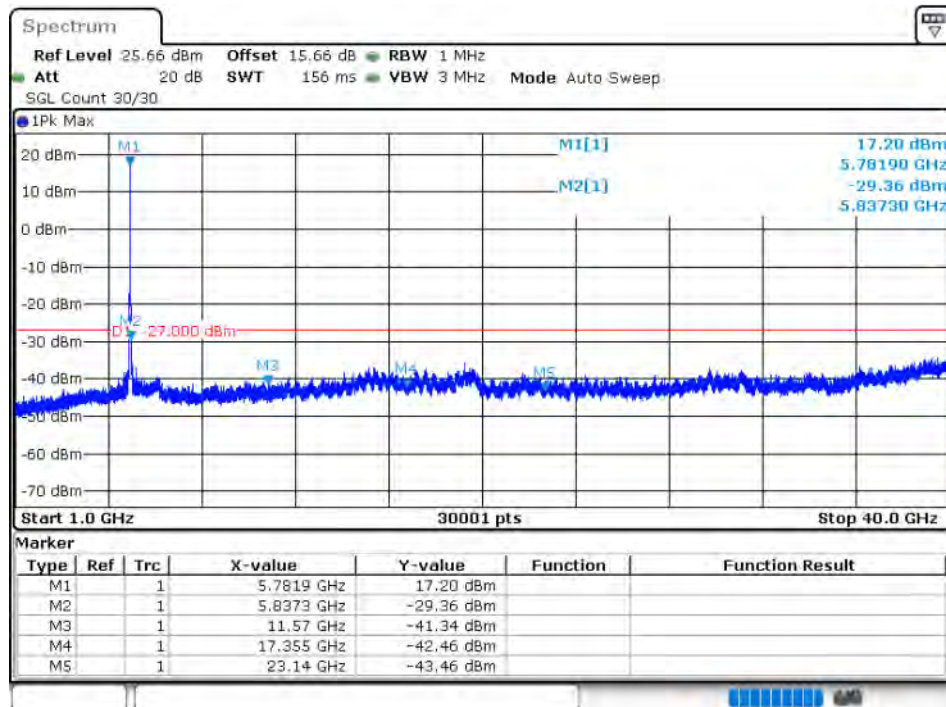
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant 3 Emission



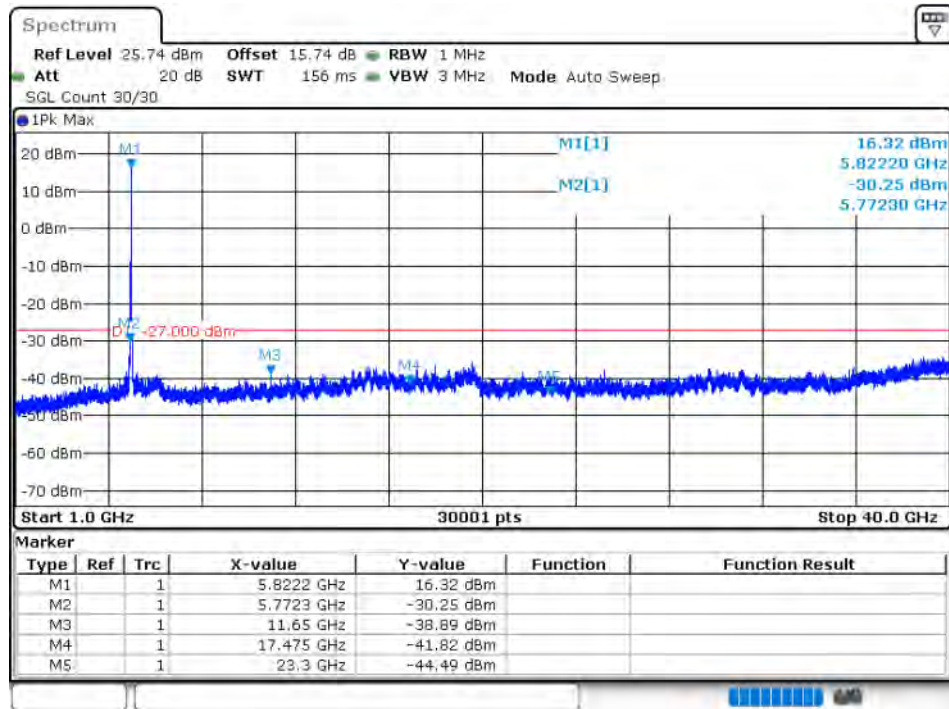
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant 4 Emission



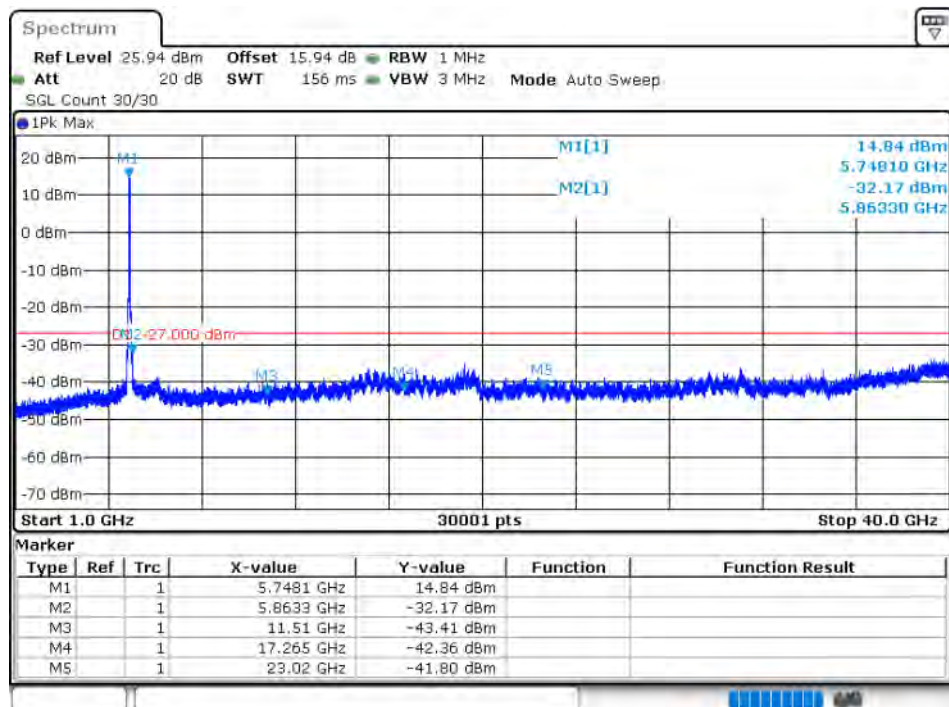
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant 4 Emission



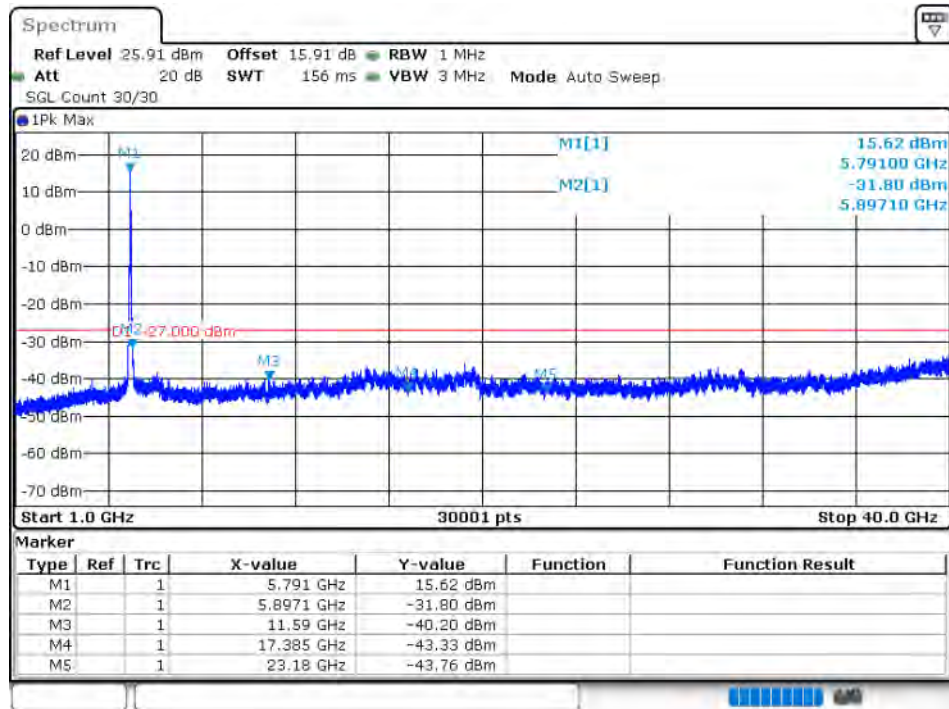
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant 4 Emission



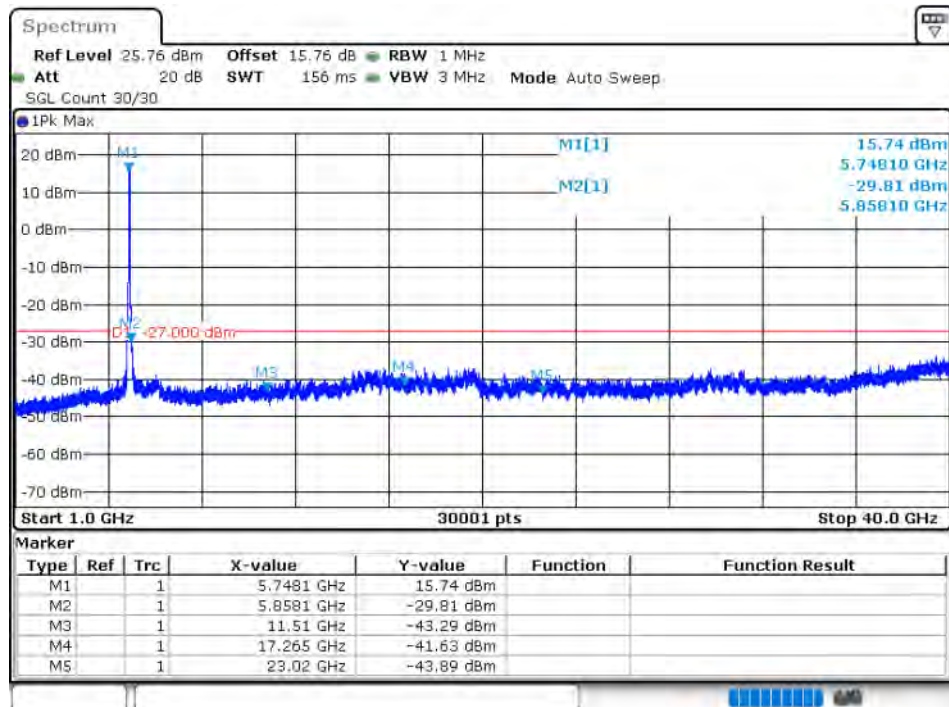
Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant 3 Emission



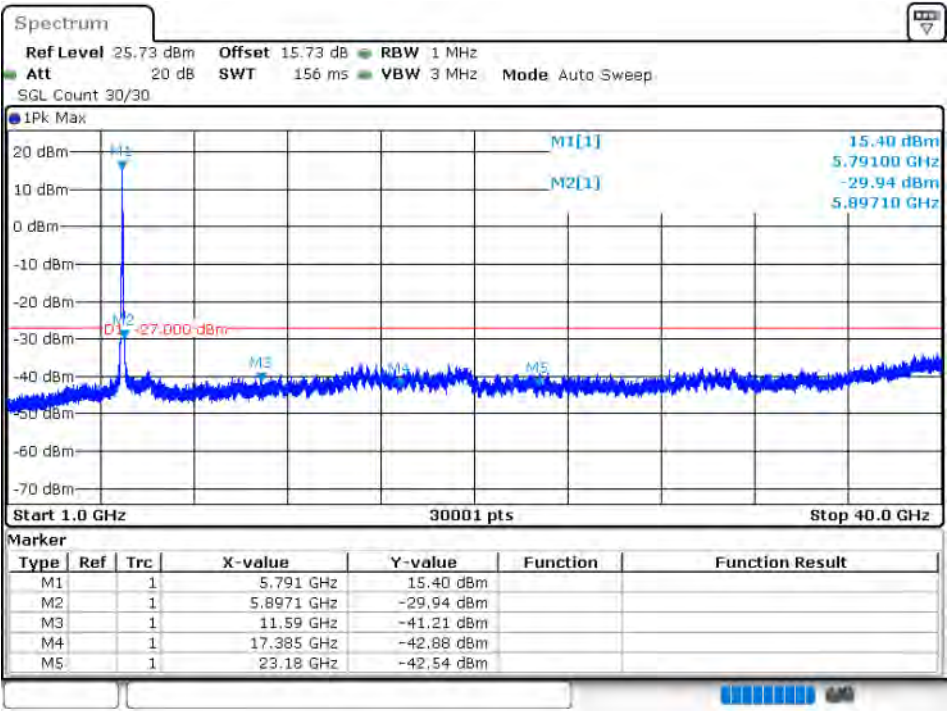
Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant 3 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant 4 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant 4 Emission



8812 Module MIMO Mode

Maximum Conducted Output Power

Test Channel	Frequency	Maximum output power.		Total Power	LIMIT	Result
		Antenna port				
	(AV) (dBm)		(AV)			
	(MHz)	ANT 1	ANT 2	dBm	dBm	
TX 802.11 n20M Mode						
CH36	5180	16.31	16.00	19.17	28.36	Pass
CH40	5200	18.68	17.84	21.29	28.36	Pass
CH48	5240	19.43	18.67	22.08	28.36	Pass
TX 802.11 n40M Mode						
CH38	5190	14.57	14.63	17.61	28.36	Pass
CH46	5230	18.07	17.19	20.66	28.36	Pass
TX 802.11 AC20M Mode						
CH36	5180	16.83	16.64	19.75	28.36	Pass
CH40	5200	18.46	17.62	21.07	28.36	Pass
CH48	5240	18.97	18.15	21.59	28.36	Pass
TX 802.11 AC40M Mode						
CH38	5190	14.60	14.72	17.67	28.36	Pass
CH46	5230	18.00	17.26	20.66	28.36	Pass
TX 802.11 AC80M Mode						
CH42	5210	14.34	14.16	17.26	28.36	Pass

Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=7.64dbi

$7.64\text{dbi} > 6.0\text{dbi}$ so power limit = $30 - (7.64 - 6.0) = 28.36\text{dBm}$

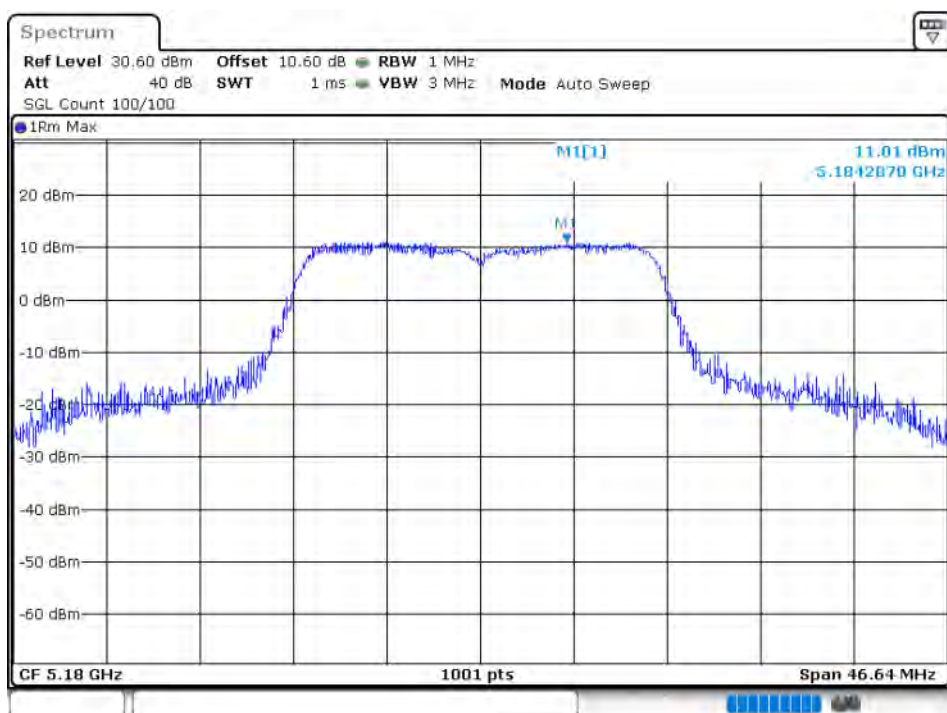
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5180	Ant 1	11.013	15.36	Pass
NVNT	802.11ac20	5180	Ant 2	11.011	15.36	Pass
NVNT	802.11ac20	5180	Total	14.022	15.36	Pass
NVNT	802.11ac20	5200	Ant 1	12.068	15.36	Pass
NVNT	802.11ac20	5200	Ant 2	10.909	15.36	Pass
NVNT	802.11ac20	5200	Total	14.537	15.36	Pass
NVNT	802.11ac20	5240	Ant 1	12.831	15.36	Pass
NVNT	802.11ac20	5240	Ant 2	11.016	15.36	Pass
NVNT	802.11ac20	5240	Total	15.028	15.36	Pass
NVNT	802.11ac40	5190	Ant 1	5.748	15.36	Pass
NVNT	802.11ac40	5190	Ant 2	5.465	15.36	Pass
NVNT	802.11ac40	5190	Total	8.619	15.36	Pass
NVNT	802.11ac40	5230	Ant 1	9.045	15.36	Pass
NVNT	802.11ac40	5230	Ant 2	7.533	15.36	Pass
NVNT	802.11ac40	5230	Total	11.365	15.36	Pass
NVNT	802.11ac80	5210	Ant 1	3.345	15.36	Pass
NVNT	802.11ac80	5210	Ant 2	2.869	15.36	Pass
NVNT	802.11ac80	5210	Total	6.124	15.36	Pass
NVNT	802.11n(HT20)	5180	Ant 1	9.590	15.36	Pass
NVNT	802.11n(HT20)	5180	Ant 2	9.460	15.36	Pass
NVNT	802.11n(HT20)	5180	Total	12.540	15.36	Pass
NVNT	802.11n(HT20)	5200	Ant 1	12.015	15.36	Pass
NVNT	802.11n(HT20)	5200	Ant 2	11.271	15.36	Pass
NVNT	802.11n(HT20)	5200	Total	14.669	15.36	Pass
NVNT	802.11n(HT20)	5240	Ant 1	12.889	15.36	Pass
NVNT	802.11n(HT20)	5240	Ant 2	11.258	15.36	Pass
NVNT	802.11n(HT20)	5240	Total	15.16	15.36	Pass
NVNT	802.11n(HT40)	5190	Ant 1	5.22	15.36	Pass
NVNT	802.11n(HT40)	5190	Ant 2	5.873	15.36	Pass
NVNT	802.11n(HT40)	5190	Total	8.569	15.36	Pass
NVNT	802.11n(HT40)	5230	Ant 1	9.503	15.36	Pass
NVNT	802.11n(HT40)	5230	Ant 2	8.427	15.36	Pass
NVNT	802.11n(HT40)	5230	Total	12.009	15.36	Pass

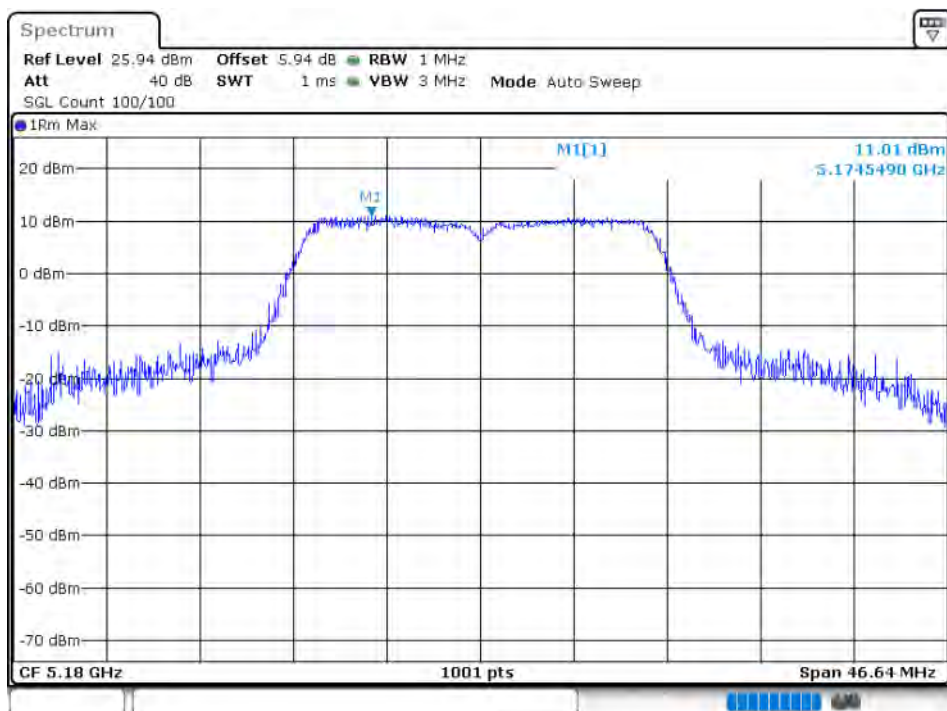
Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=7.64dbi

7.64dbi>6.0dbi so power limit= 17-(7.64-6.0)=15.36dBm

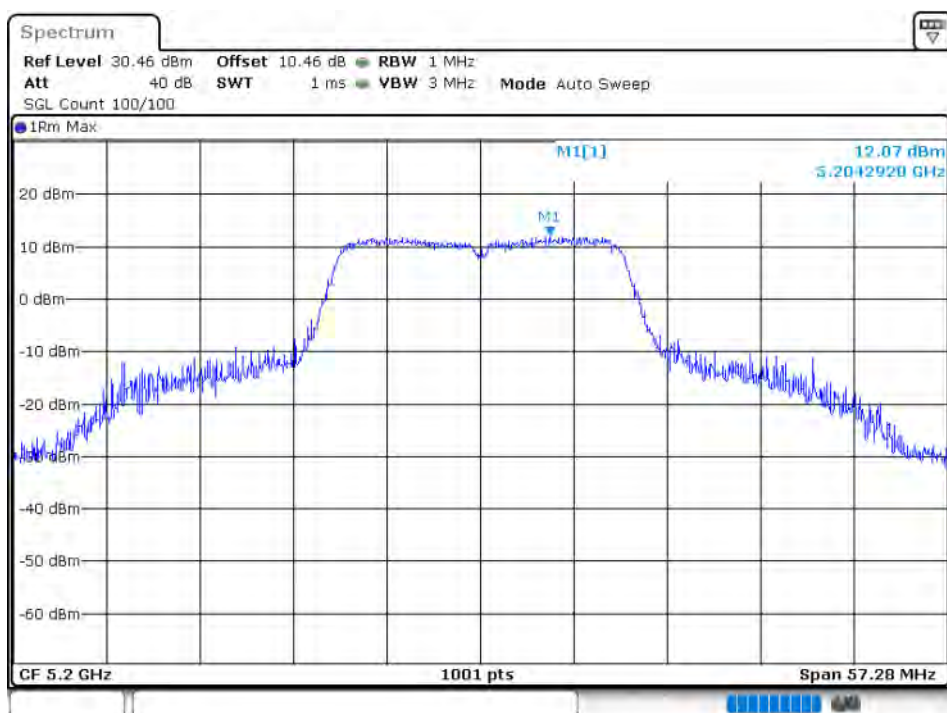
PSD NVNT 802.11ac20 5180MHz Ant1



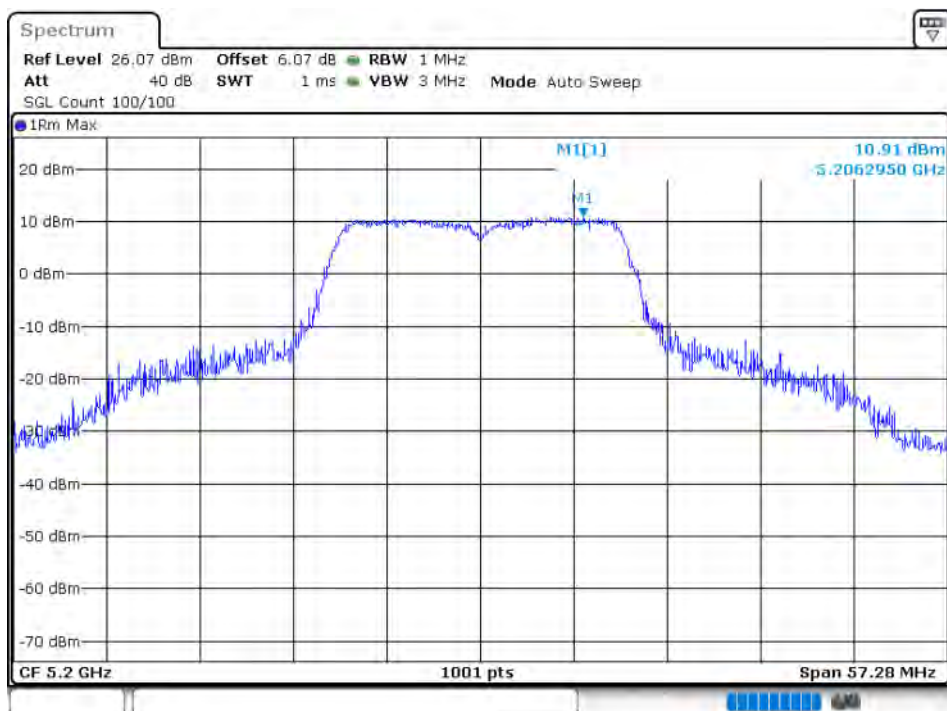
PSD NVNT 802.11ac20 5180MHz Ant2



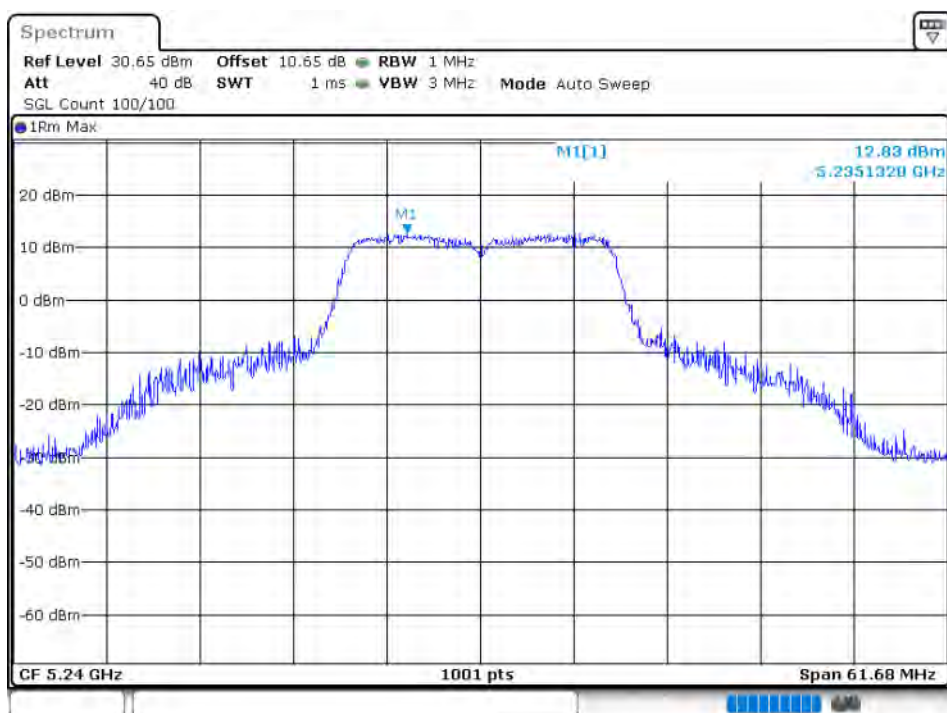
PSD NVNT 802.11ac20 5200MHz Ant1



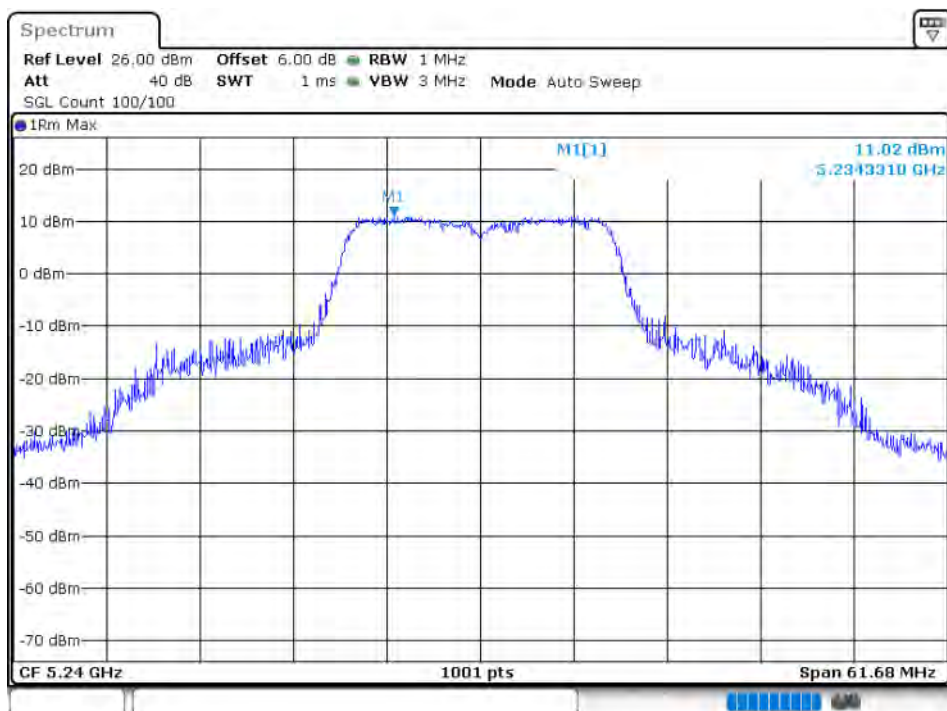
PSD NVNT 802.11ac20 5200MHz Ant2



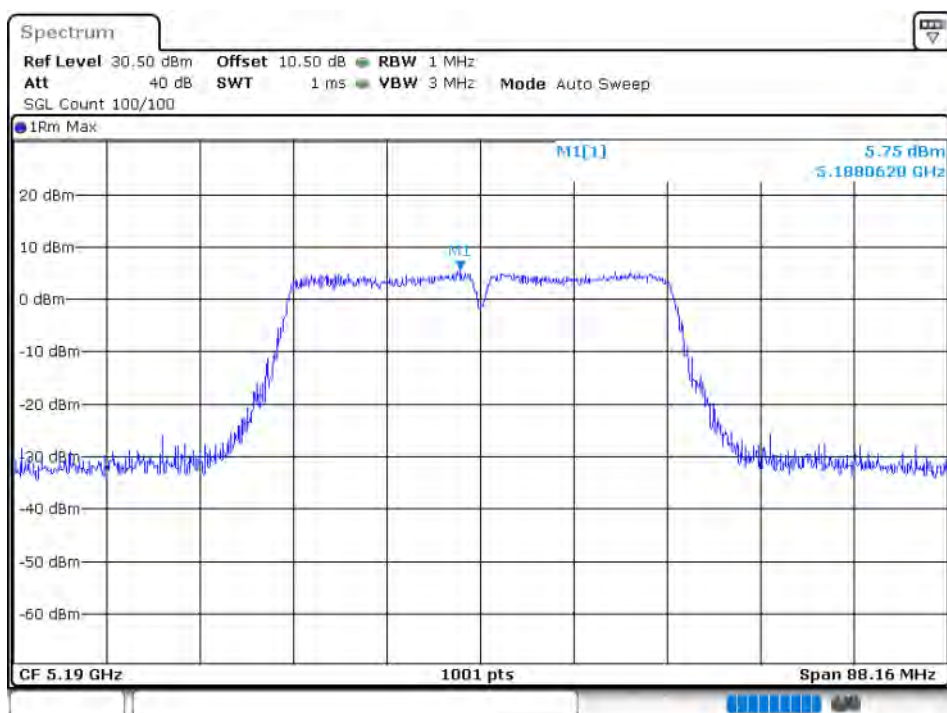
PSD NVNT 802.11ac20 5240MHz Ant1



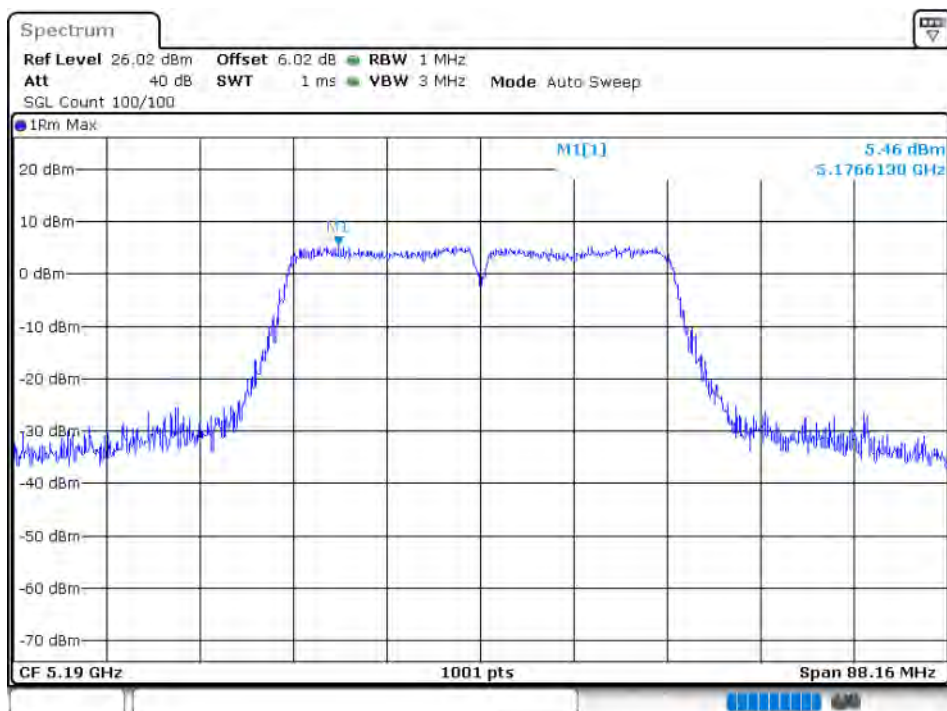
PSD NVNT 802.11ac20 5240MHz Ant2



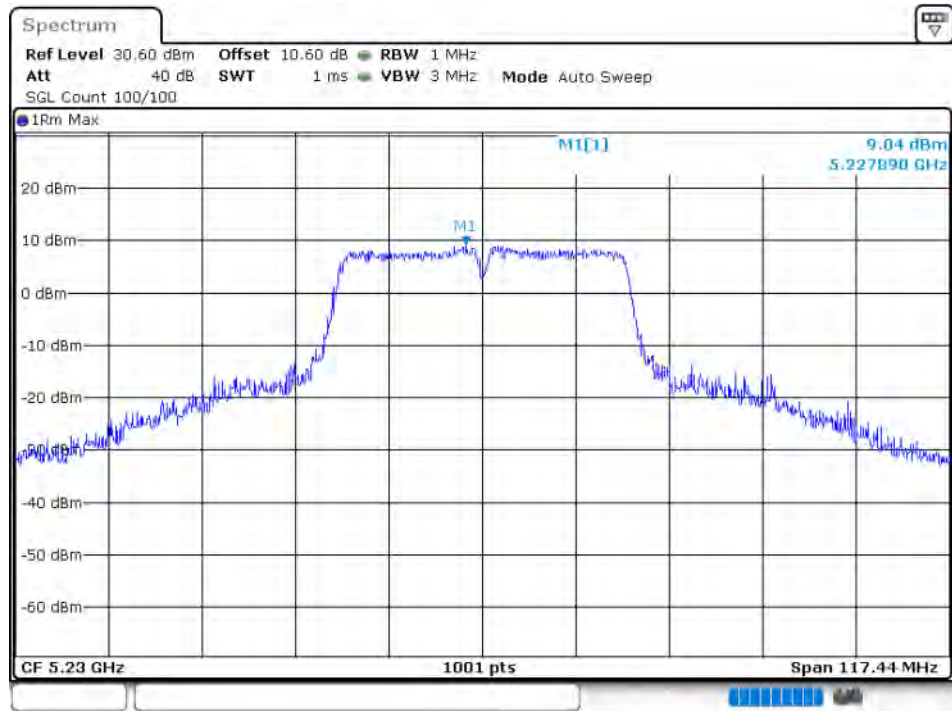
PSD NVNT 802.11ac40 5190MHz Ant1



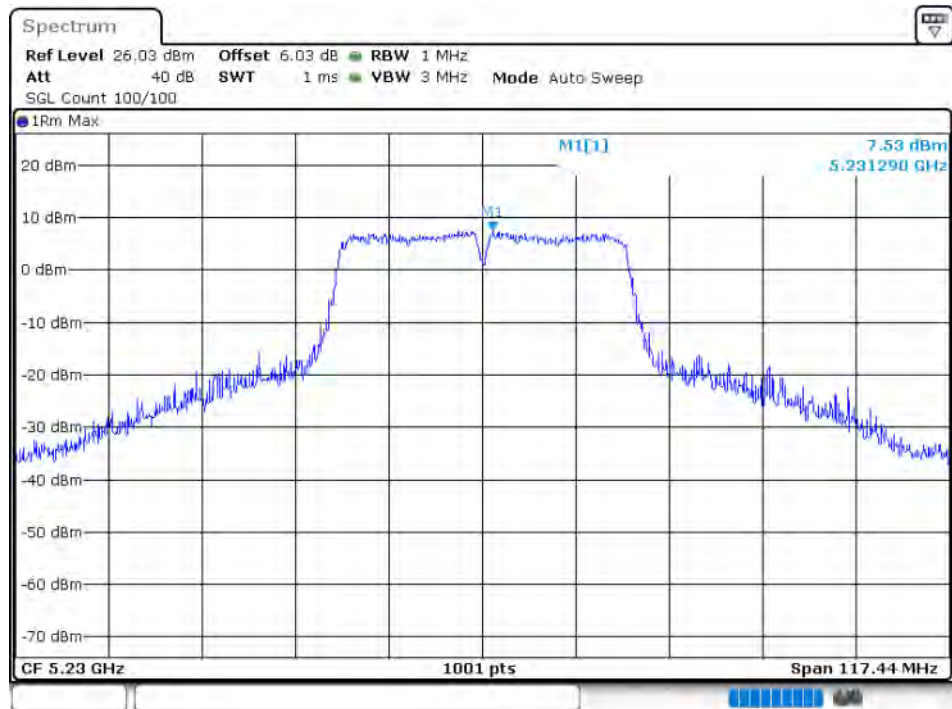
PSD NVNT 802.11ac40 5190MHz Ant2



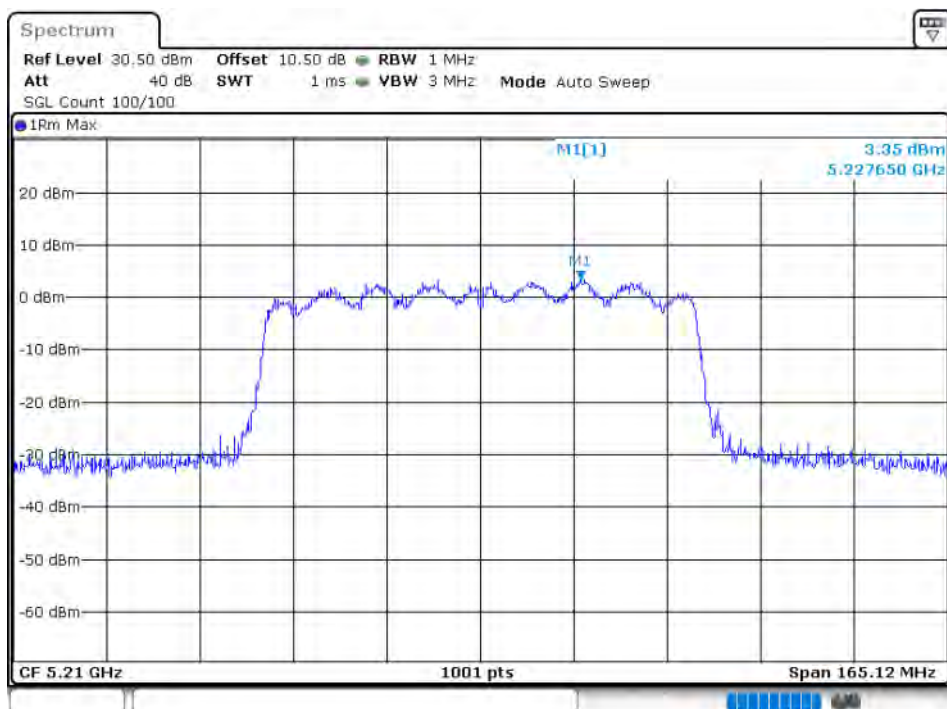
PSD NVNT 802.11ac40 5230MHz Ant1



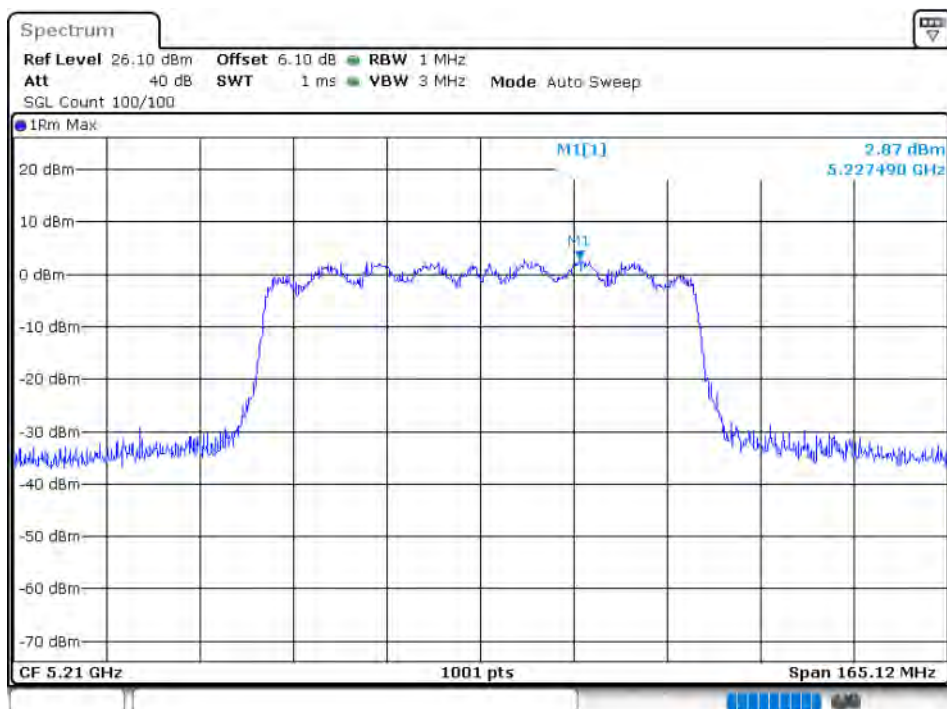
PSD NVNT 802.11ac40 5230MHz Ant2



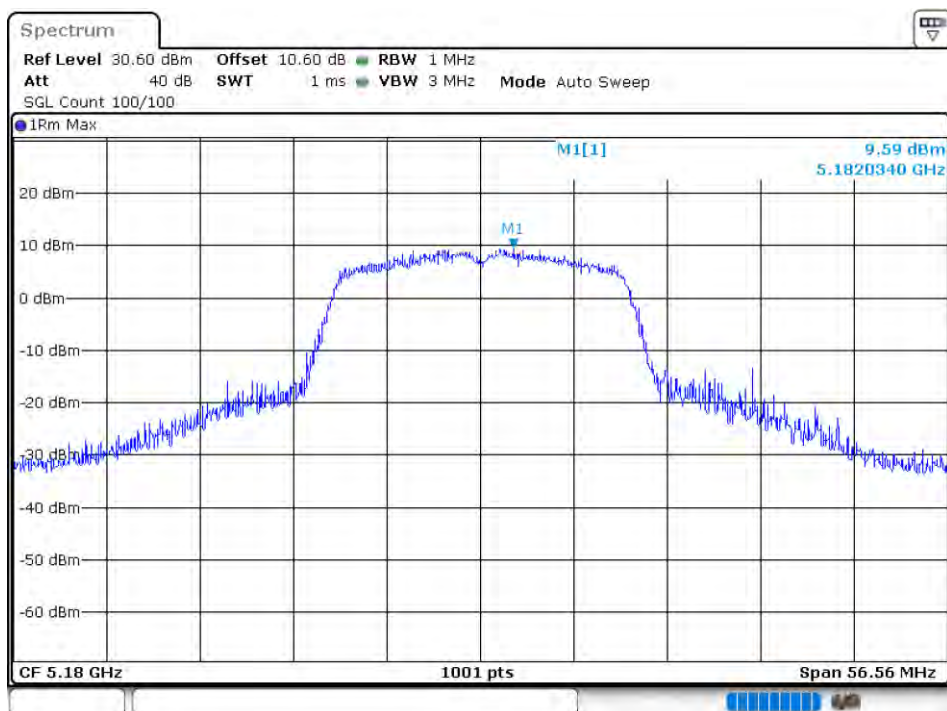
PSD NVNT 802.11ac80 5210MHz Ant1



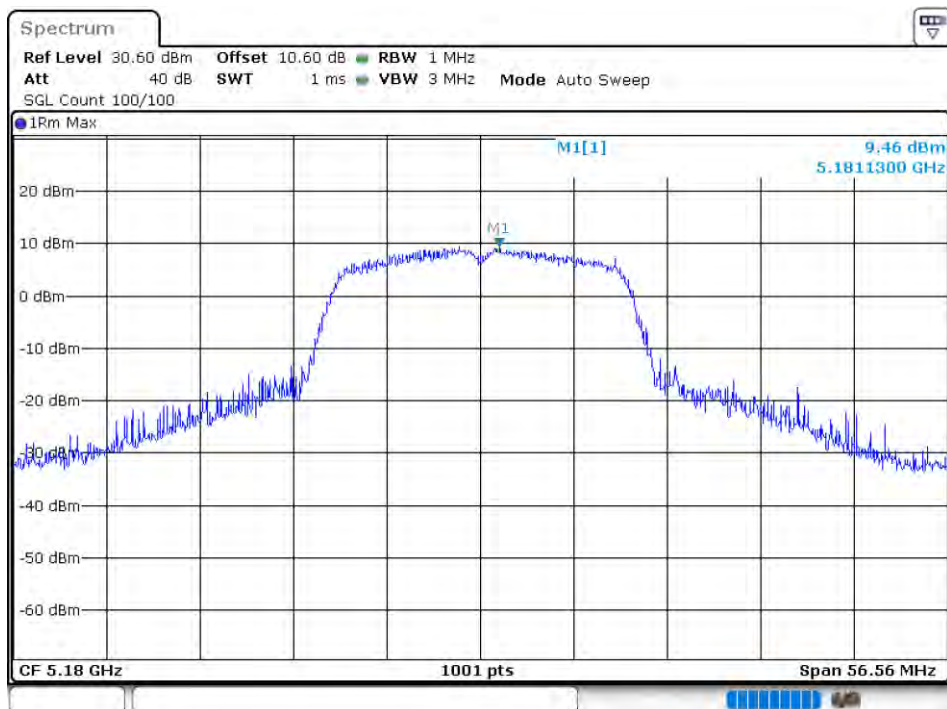
PSD NVNT 802.11ac80 5210MHz Ant2



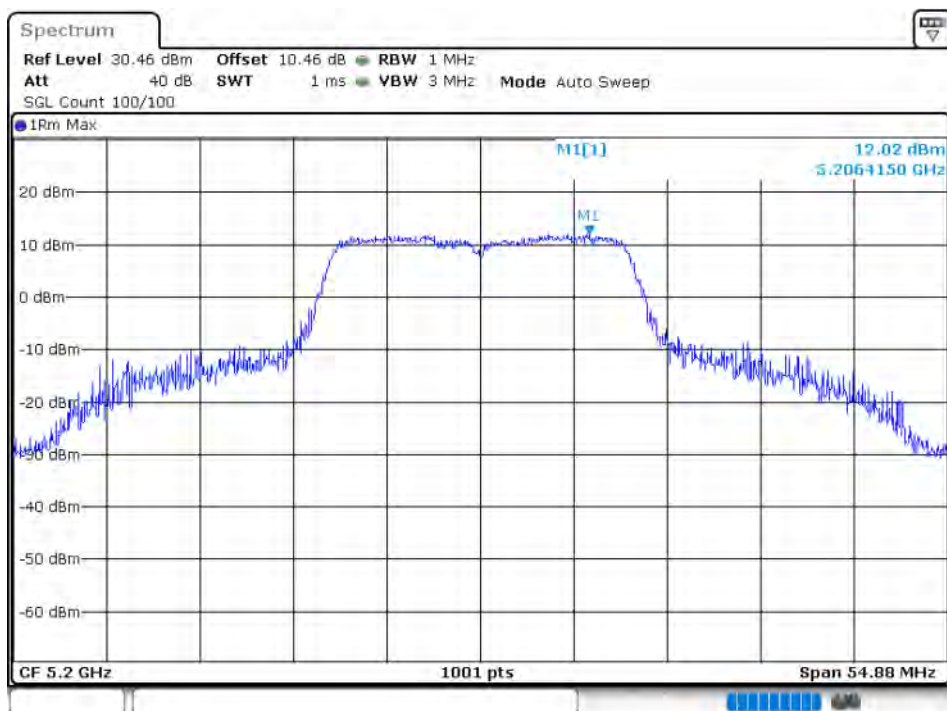
PSD NVNT 802.11n(HT20) 5180MHz Ant1



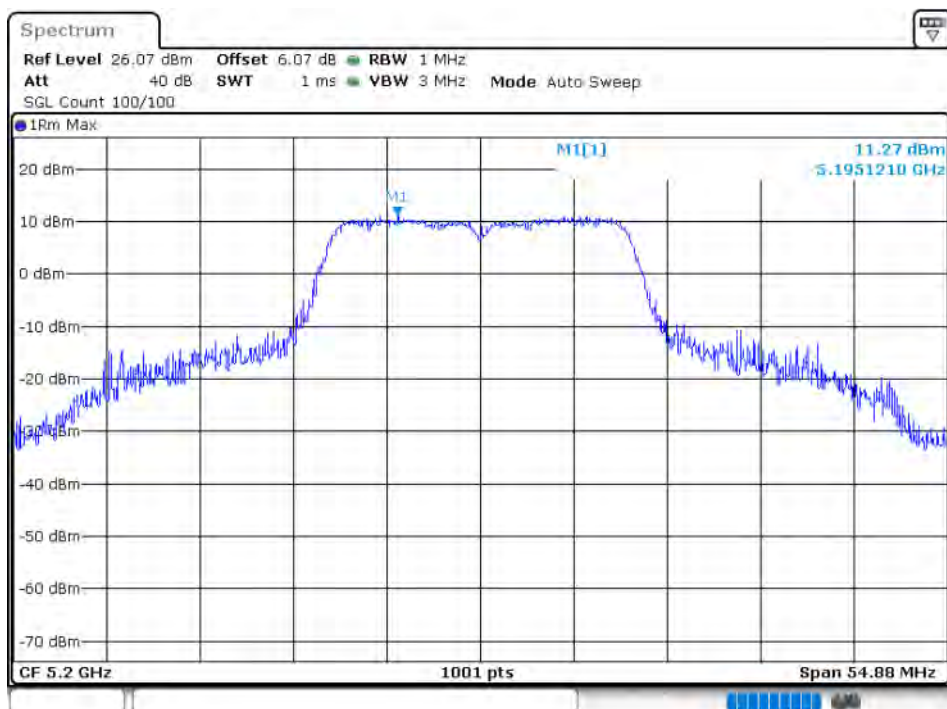
PSD NVNT 802.11n(HT20) 5180MHz Ant2



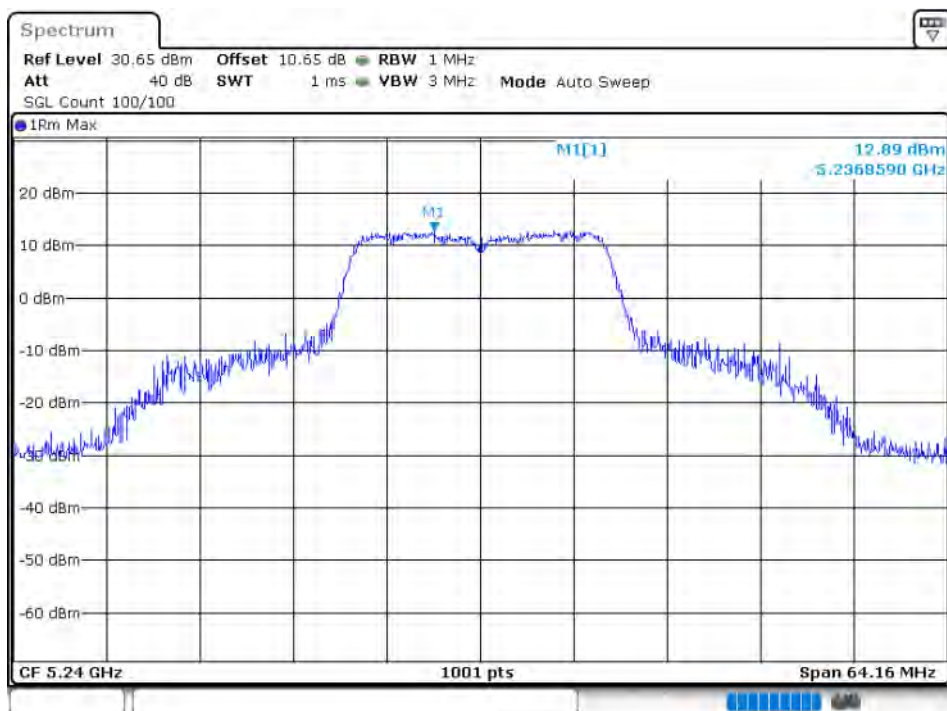
PSD NVNT 802.11n(HT20) 5200MHz Ant1



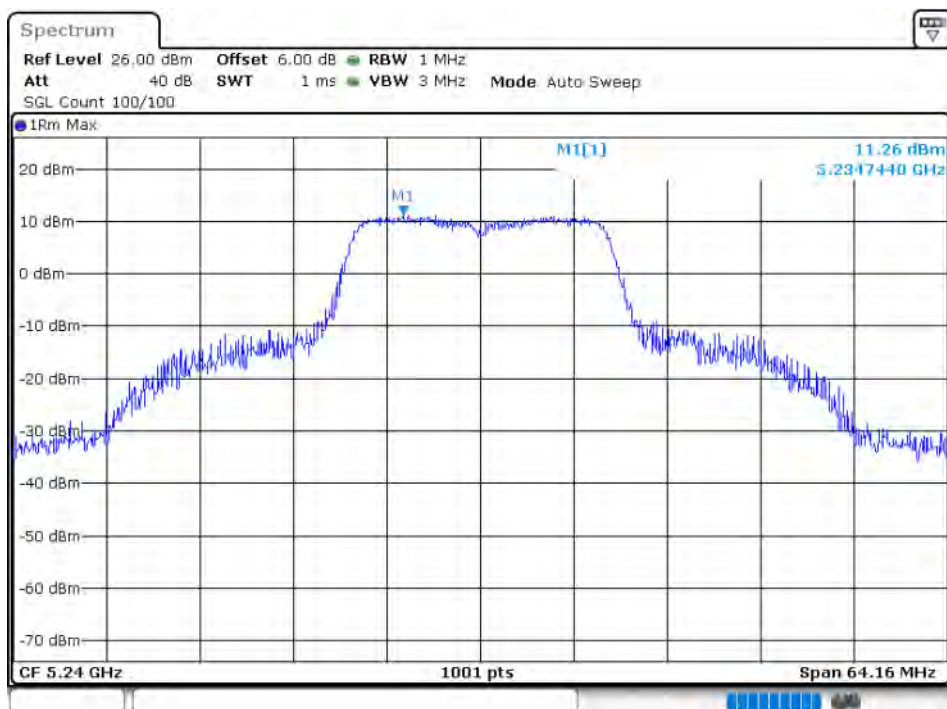
PSD NVNT 802.11n(HT20) 5200MHz Ant2



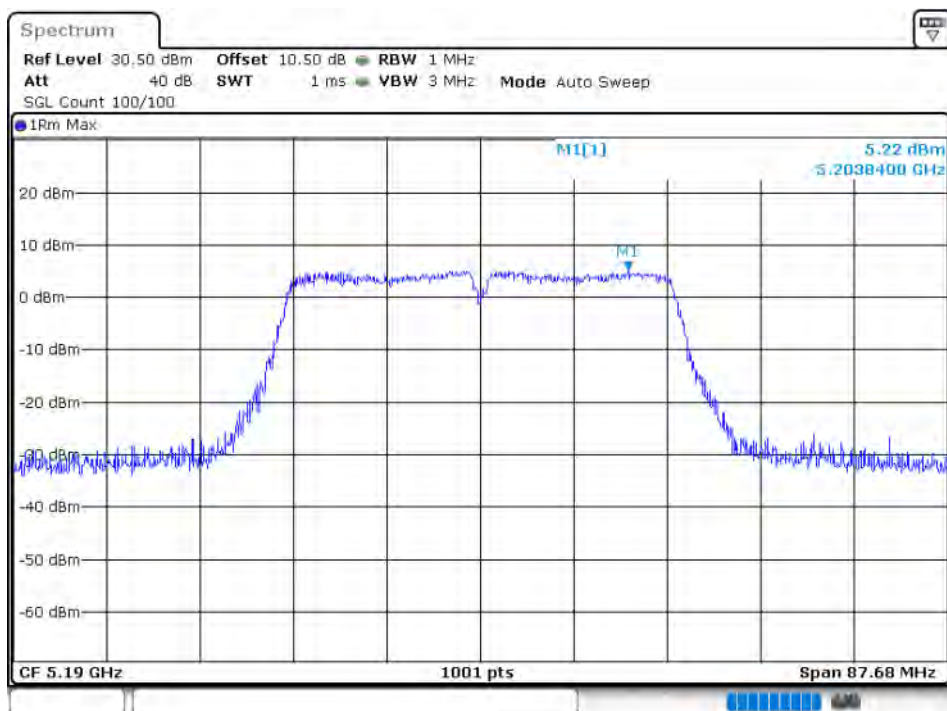
PSD NVNT 802.11n(HT20) 5240MHz Ant1



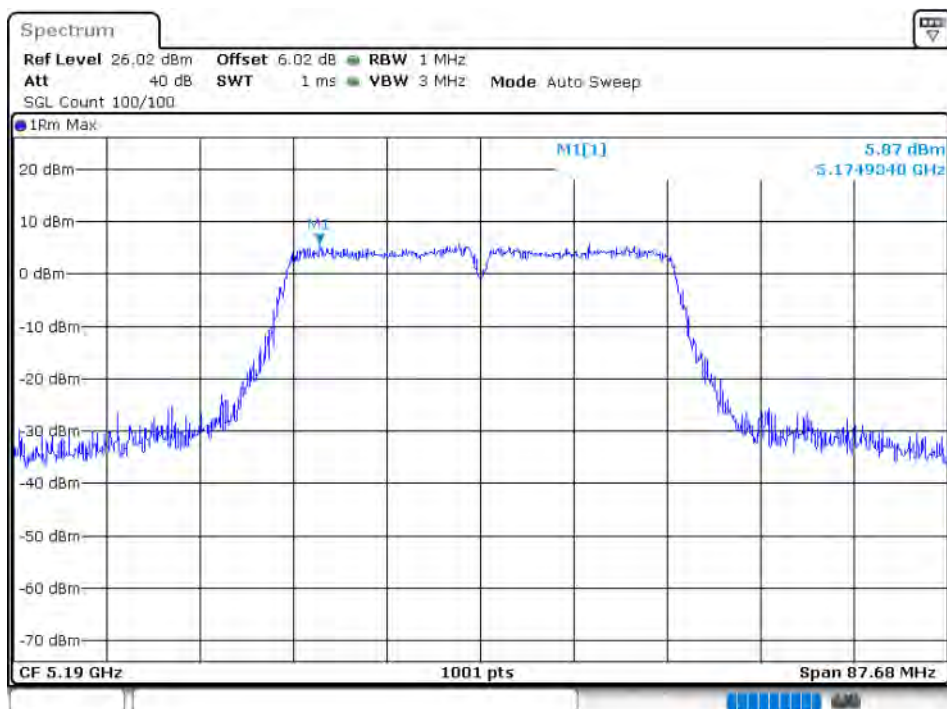
PSD NVNT 802.11n(HT20) 5240MHz Ant2



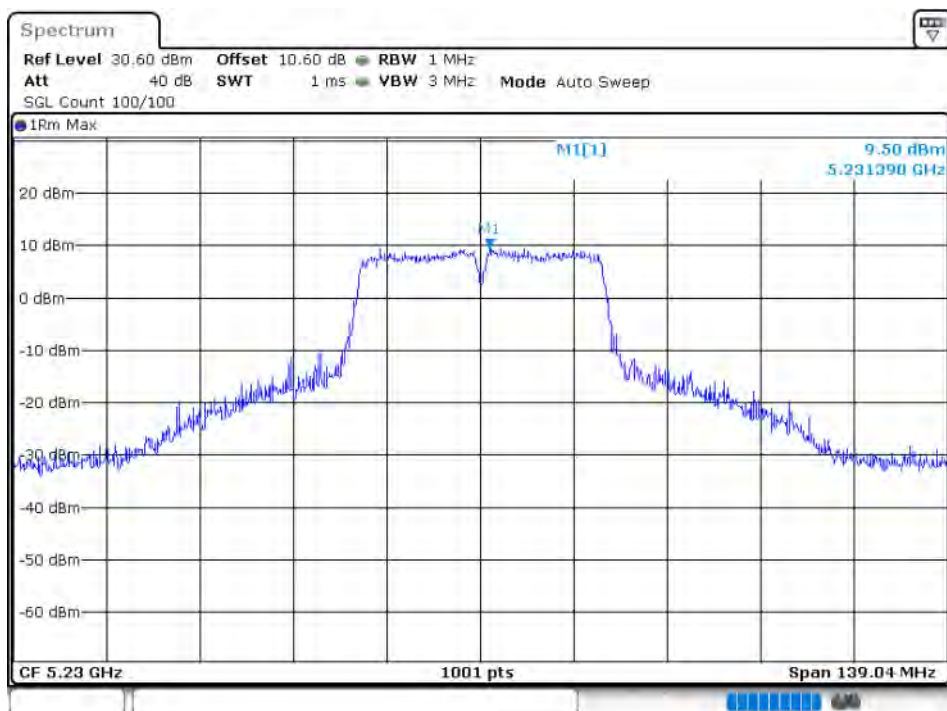
PSD NVNT 802.11n(HT40) 5190MHz Ant1



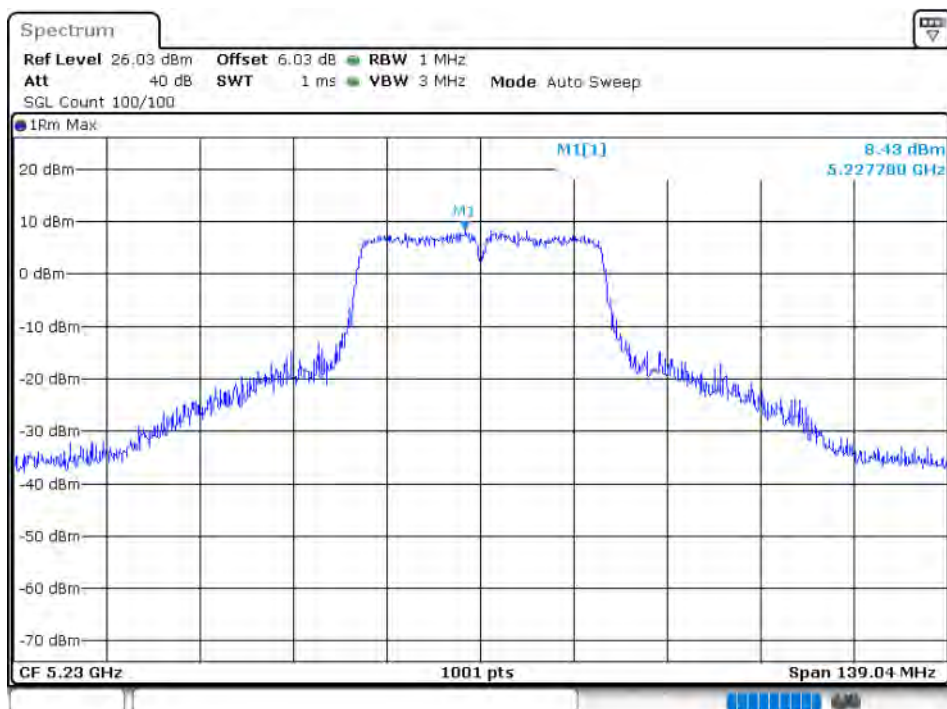
PSD NVNT 802.11n(HT40) 5190MHz Ant2



PSD NVNT 802.11n(HT40) 5230MHz Ant1



PSD NVNT 802.11n(HT40) 5230MHz Ant2



Maximum Conducted Output Power

Test Channel	Frequency	Maximum output power. Antenna port		Total Power	LIMIT	Result
		(AV) (dBm)		(AV)		
	(MHz)	ANT 1	ANT 2	dBm	dBm	
TX 802.11 n20M Mode						
CH149	5745	18.94	18.90	21.93	29.15	Pass
CH157	5785	18.73	18.95	21.85	29.15	Pass
CH165	5825	19.47	19.50	22.50	29.15	Pass
TX 802.11 n40M Mode						
CH151	5755	16.90	17.47	20.20	29.15	Pass
CH159	5795	16.90	17.36	20.15	29.15	Pass
TX 802.11 AC20M Mode						
CH149	5745	17.65	18.30	21.00	29.15	Pass
CH157	5785	17.63	18.13	20.90	29.15	Pass
CH165	5825	18.04	18.26	21.16	29.15	Pass
TX 802.11 AC40M Mode						
CH151	5755	16.97	17.70	20.36	29.15	Pass
CH159	5795	17.01	17.50	20.27	29.15	Pass
TX 802.11 AC80M Mode						
CH155	5775	16.33	16.79	19.58	29.15	Pass

Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=6.85dbi

6.85dbi>6.0dbi so power limit= 30-(6.85-6)=29.15dBm.

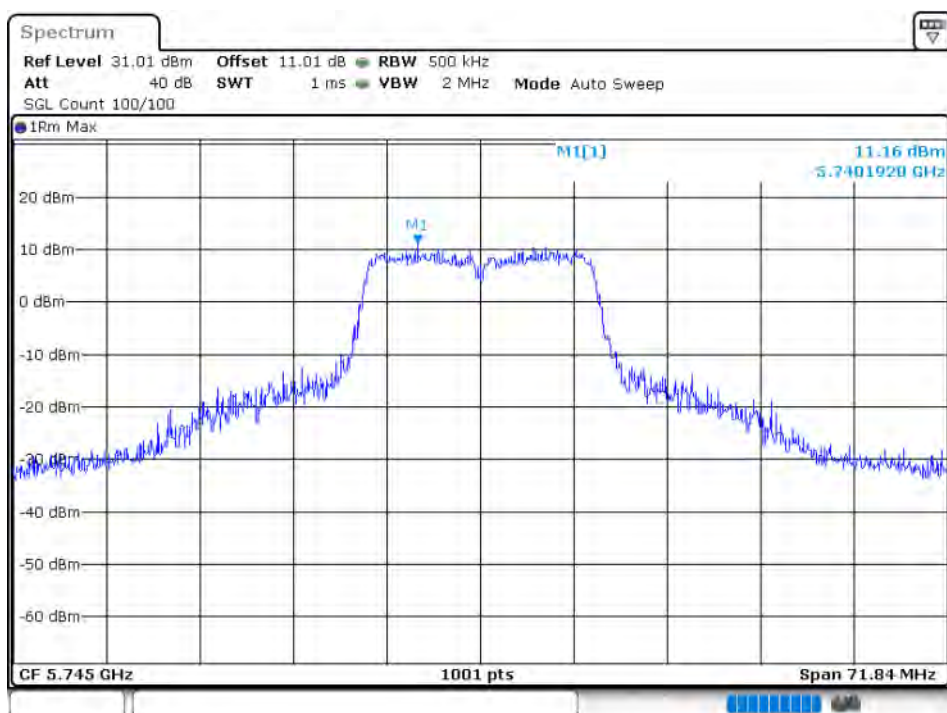
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant 1	11.156	29.15	Pass
NVNT	802.11ac20	5745	Ant 2	10.544	29.15	Pass
NVNT	802.11ac20	5745	Total	13.871	29.15	Pass
NVNT	802.11ac20	5785	Ant 1	10.355	29.15	Pass
NVNT	802.11ac20	5785	Ant 2	10.522	29.15	Pass
NVNT	802.11ac20	5785	Total	13.45	29.15	Pass
NVNT	802.11ac20	5825	Ant 1	10.375	29.15	Pass
NVNT	802.11ac20	5825	Ant 2	9.927	29.15	Pass
NVNT	802.11ac20	5825	Total	13.167	29.15	Pass
NVNT	802.11ac40	5755	Ant 1	6.373	29.15	Pass
NVNT	802.11ac40	5755	Ant 2	6.683	29.15	Pass
NVNT	802.11ac40	5755	Total	9.541	29.15	Pass
NVNT	802.11ac40	5795	Ant 1	6.819	29.15	Pass
NVNT	802.11ac40	5795	Ant 2	6.837	29.15	Pass
NVNT	802.11ac40	5795	Total	9.838	29.15	Pass
NVNT	802.11ac80	5775	Ant 1	4.467	29.15	Pass
NVNT	802.11ac80	5775	Ant 2	4.903	29.15	Pass
NVNT	802.11ac80	5775	Total	7.701	29.15	Pass
NVNT	802.11n(HT20)	5745	Ant 1	10.915	29.15	Pass
NVNT	802.11n(HT20)	5745	Ant 2	11.176	29.15	Pass
NVNT	802.11n(HT20)	5745	Total	14.058	29.15	Pass
NVNT	802.11n(HT20)	5785	Ant 1	10.7	29.15	Pass
NVNT	802.11n(HT20)	5785	Ant 2	10.334	29.15	Pass
NVNT	802.11n(HT20)	5785	Total	13.531	29.15	Pass
NVNT	802.11n(HT20)	5825	Ant 1	10.917	29.15	Pass
NVNT	802.11n(HT20)	5825	Ant 2	10.919	29.15	Pass
NVNT	802.11n(HT20)	5825	Total	13.928	29.15	Pass
NVNT	802.11n(HT40)	5755	Ant 1	6.501	29.15	Pass
NVNT	802.11n(HT40)	5755	Ant 2	6.447	29.15	Pass
NVNT	802.11n(HT40)	5755	Total	9.484	29.15	Pass
NVNT	802.11n(HT40)	5795	Ant 1	7.017	29.15	Pass
NVNT	802.11n(HT40)	5795	Ant 2	6.281	29.15	Pass
NVNT	802.11n(HT40)	5795	Total	9.675	29.15	Pass

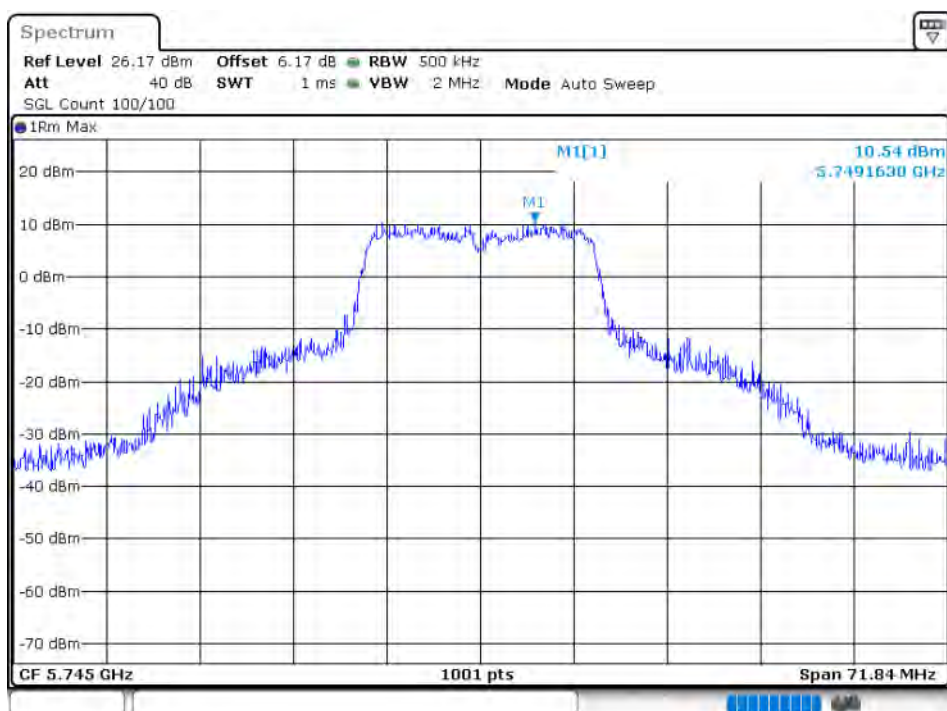
Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=6.85dbi

6.85dbi>6.0dbi so power limit= 30-(6.85-6)=29.15dBm.

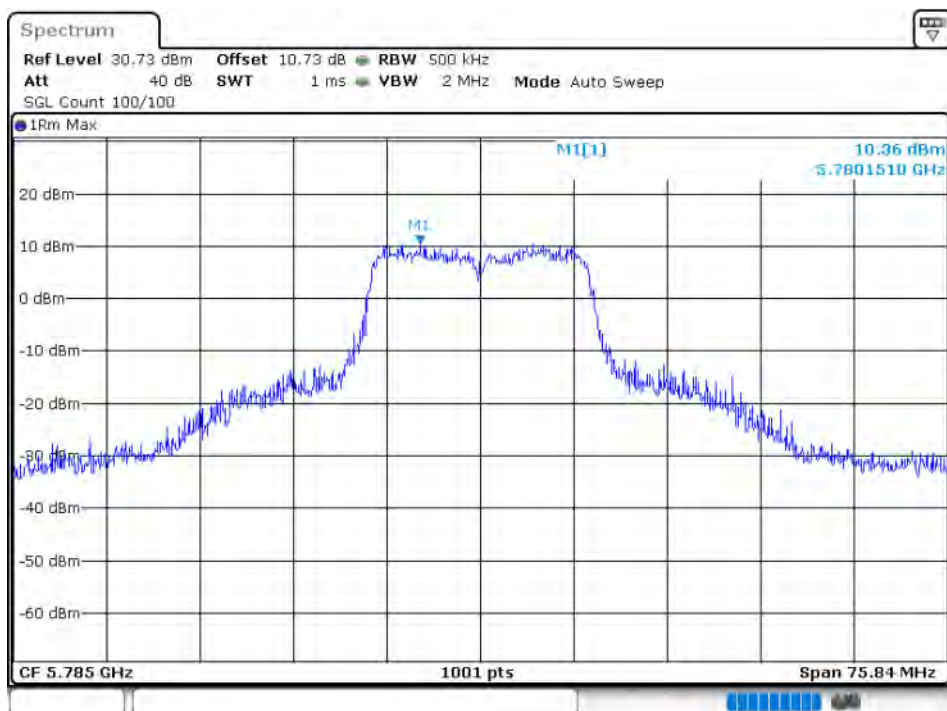
PSD NVNT 802.11ac20 5745MHz Ant1



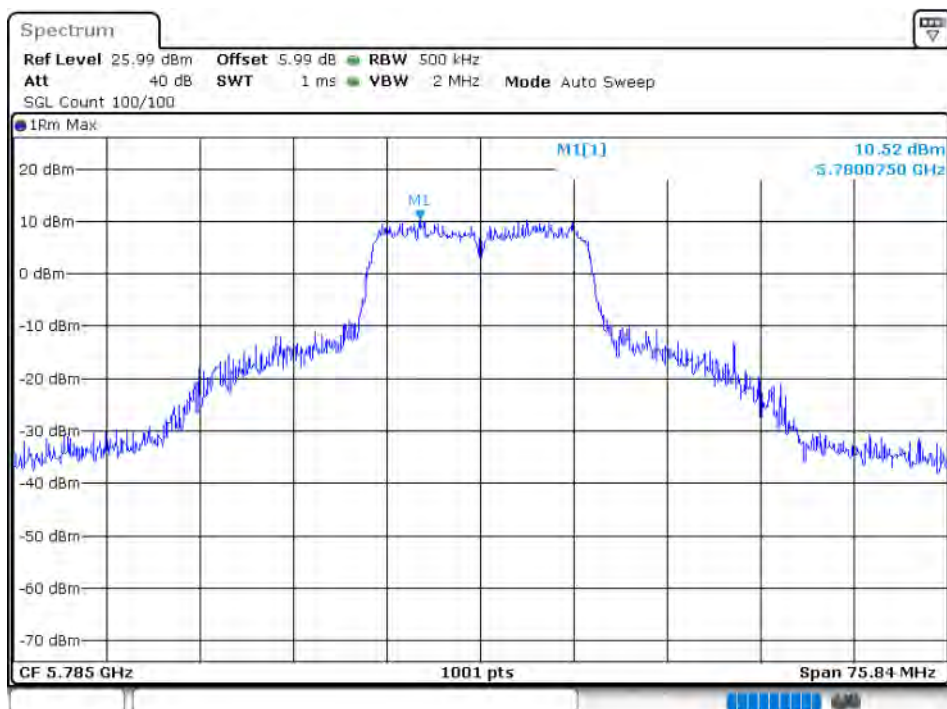
PSD NVNT 802.11ac20 5745MHz Ant2



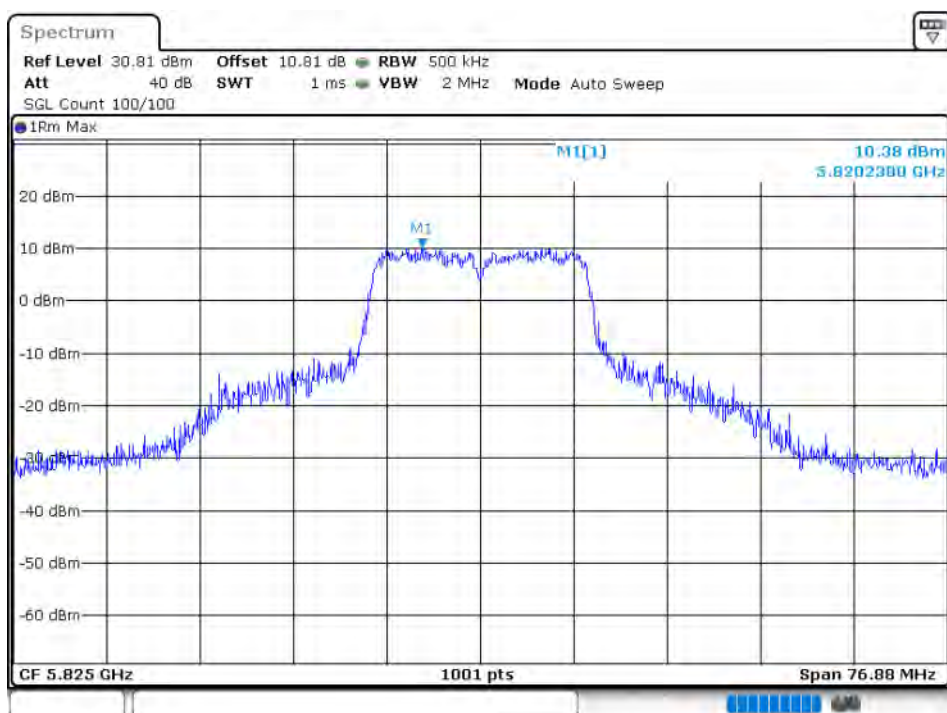
PSD NVNT 802.11ac20 5785MHz Ant1



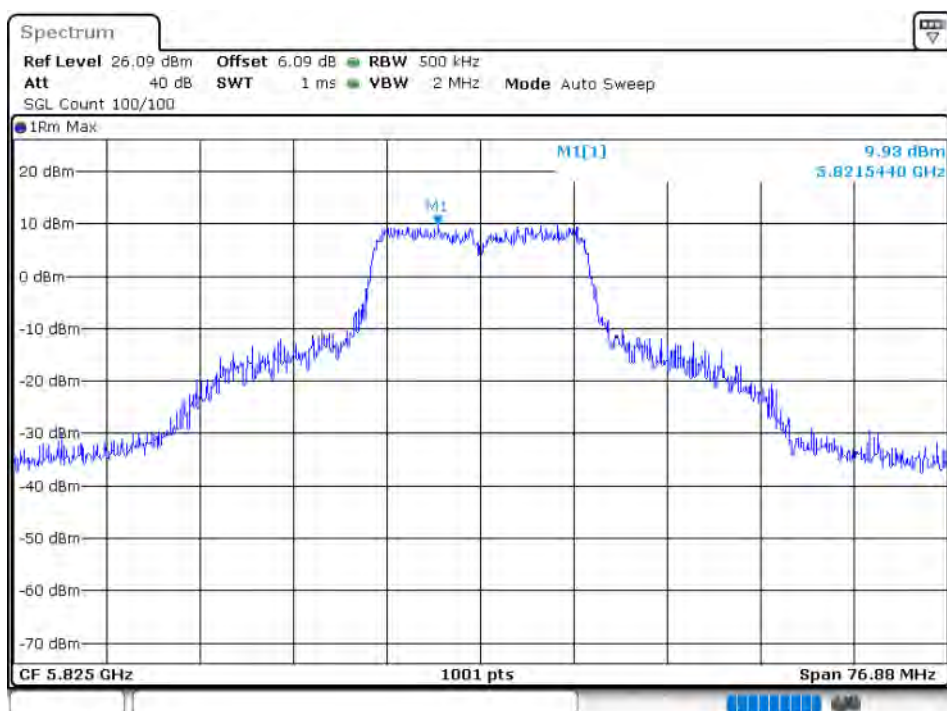
PSD NVNT 802.11ac20 5785MHz Ant2



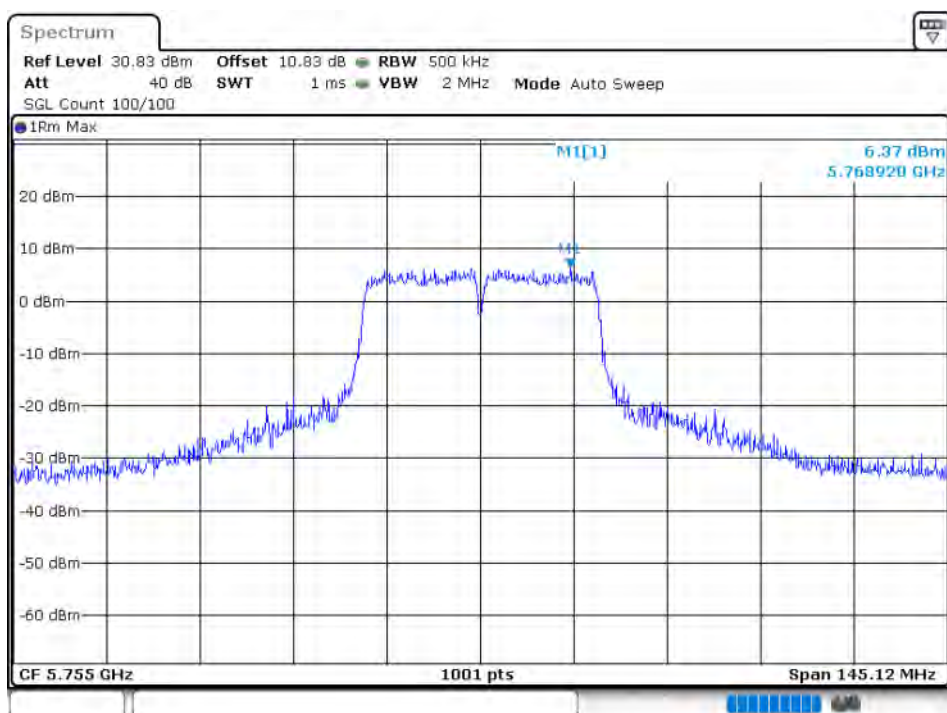
PSD NVNT 802.11ac20 5825MHz Ant1



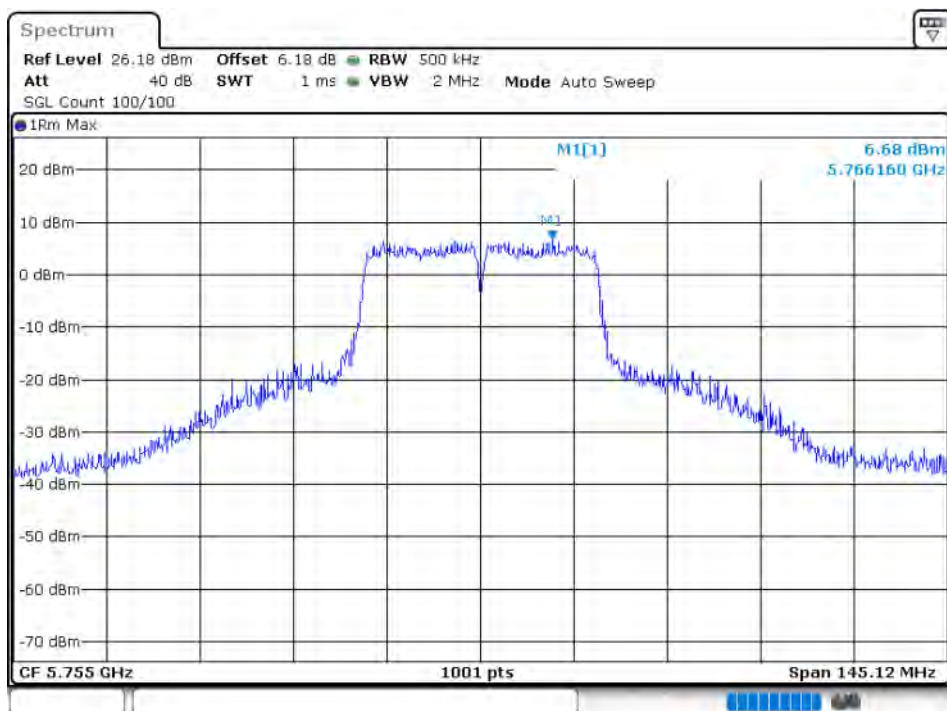
PSD NVNT 802.11ac20 5825MHz Ant2



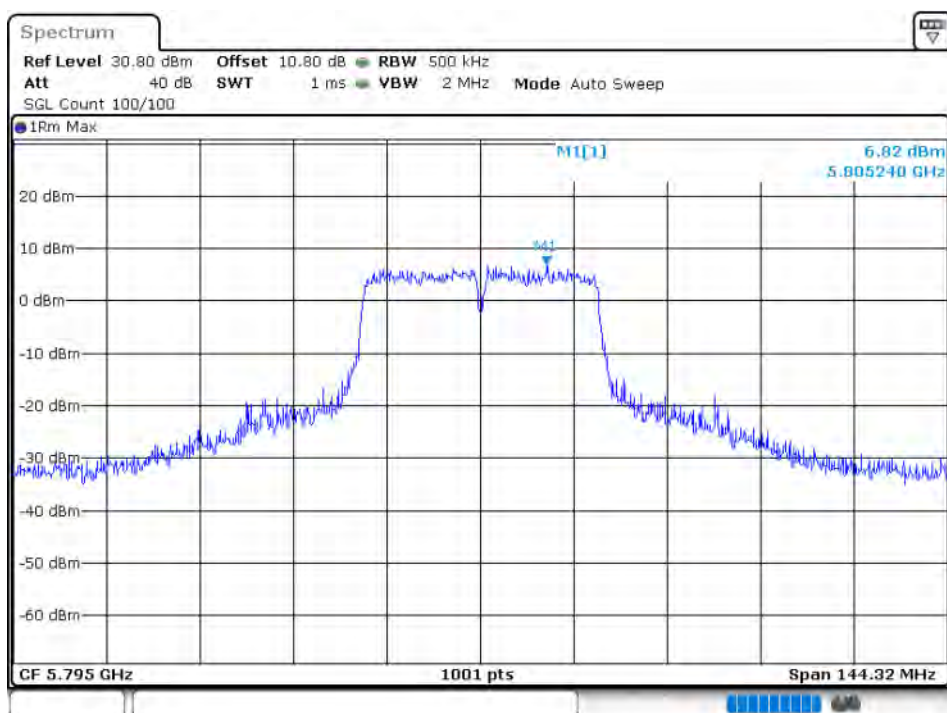
PSD NVNT 802.11ac40 5755MHz Ant1



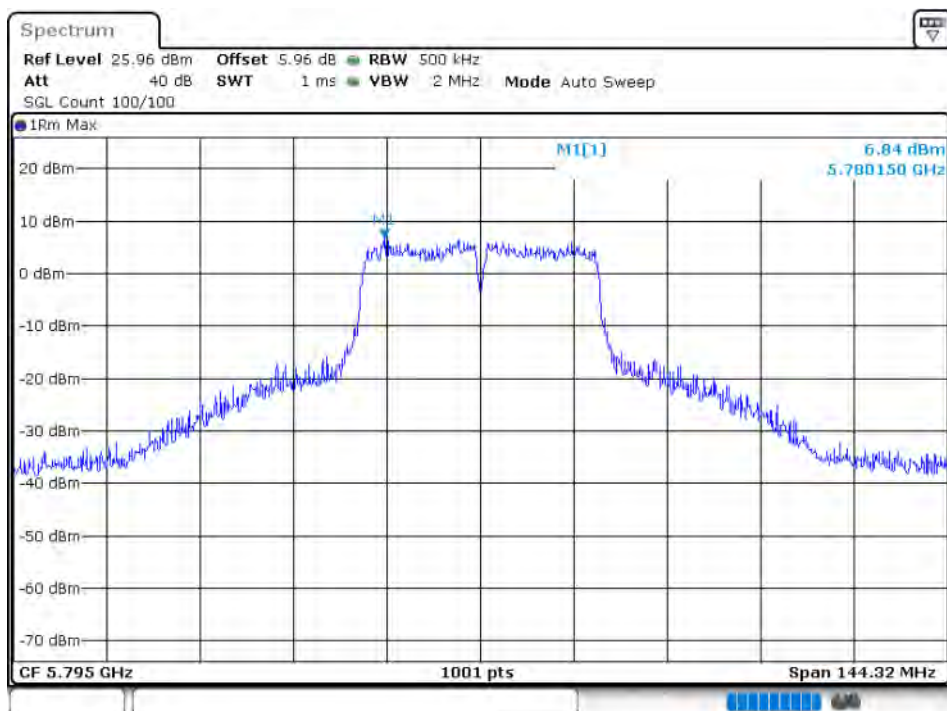
PSD NVNT 802.11ac40 5755MHz Ant2



PSD NVNT 802.11ac40 5795MHz Ant1



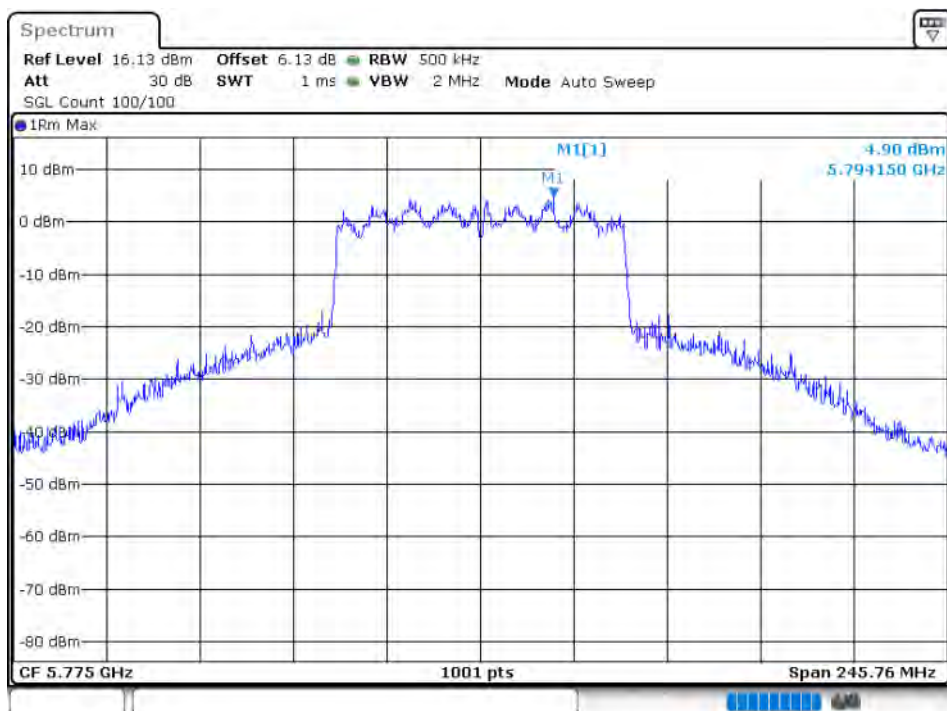
PSD NVNT 802.11ac40 5795MHz Ant2



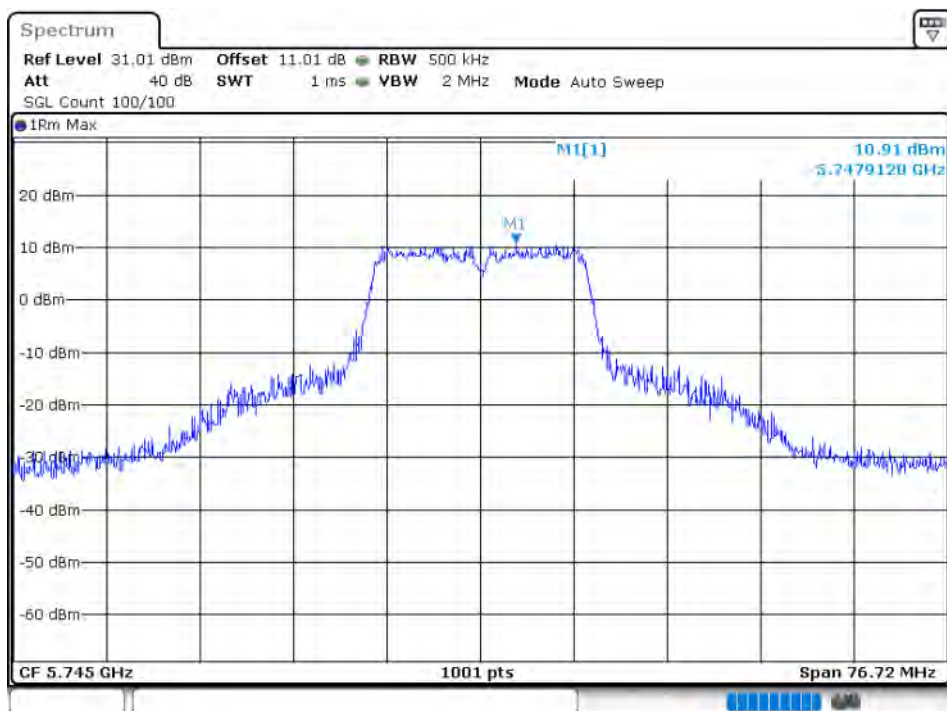
PSD NVNT 802.11ac80 5775MHz Ant1



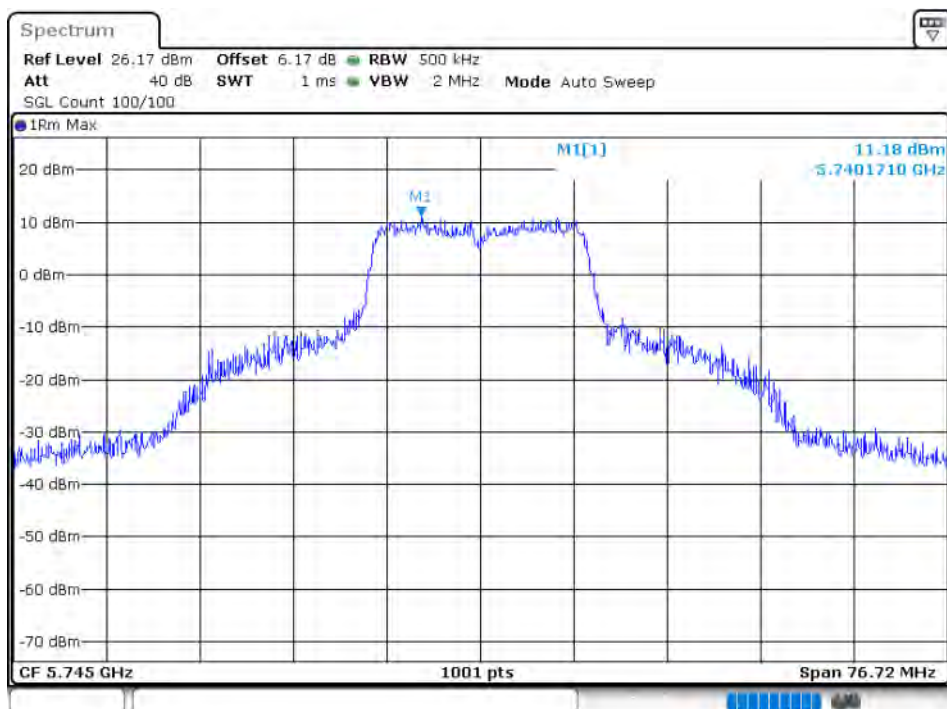
PSD NVNT 802.11ac80 5775MHz Ant2



PSD NVNT 802.11n(HT20) 5745MHz Ant1



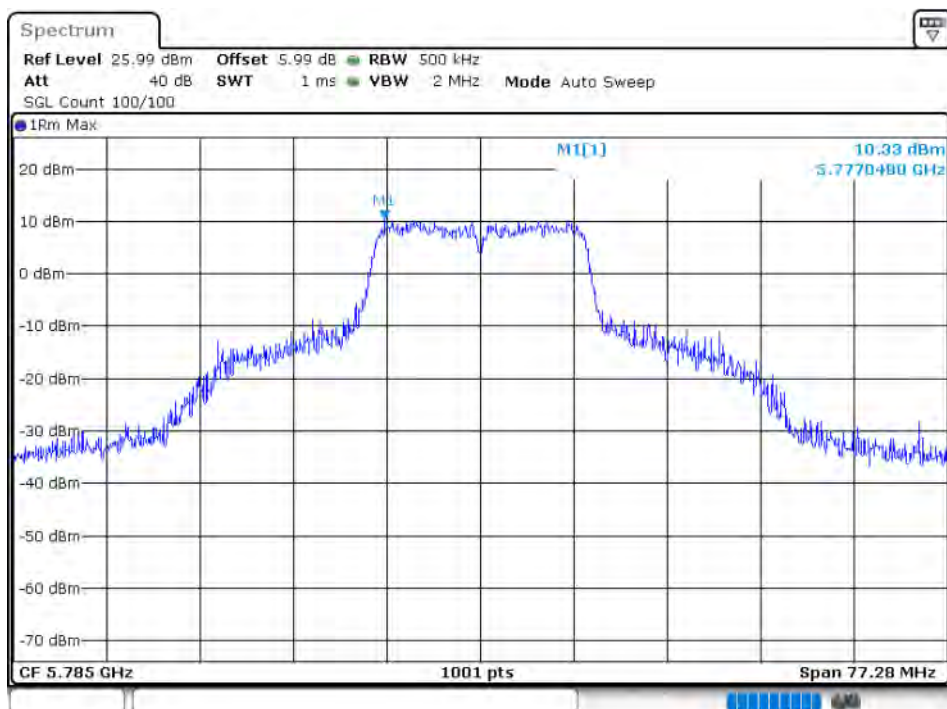
PSD NVNT 802.11n(HT20) 5745MHz Ant2



PSD NVNT 802.11n(HT20) 5785MHz Ant1



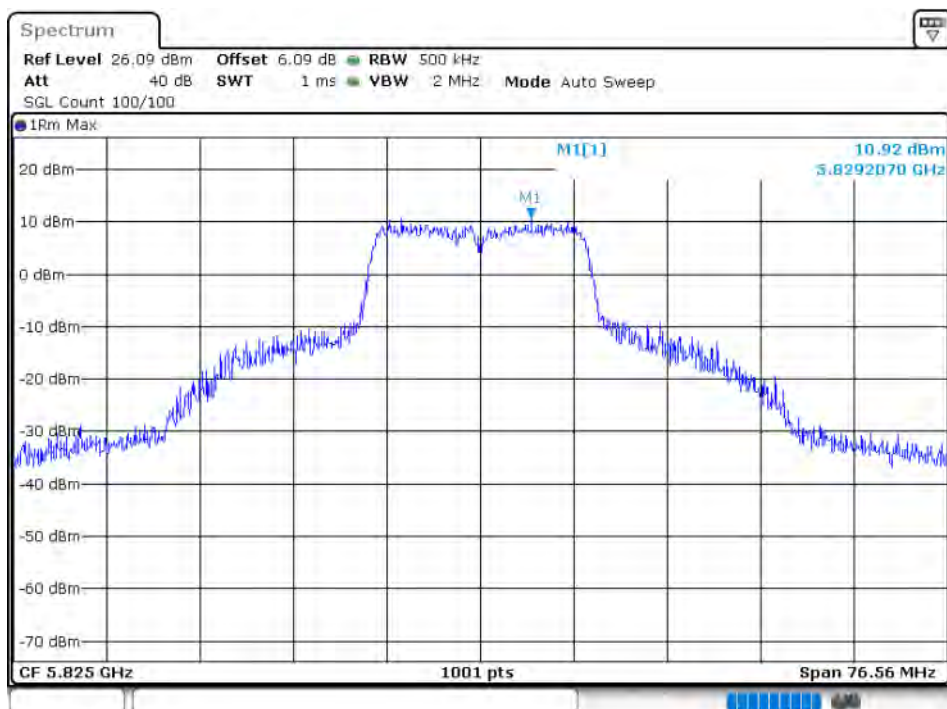
PSD NVNT 802.11n(HT20) 5785MHz Ant2



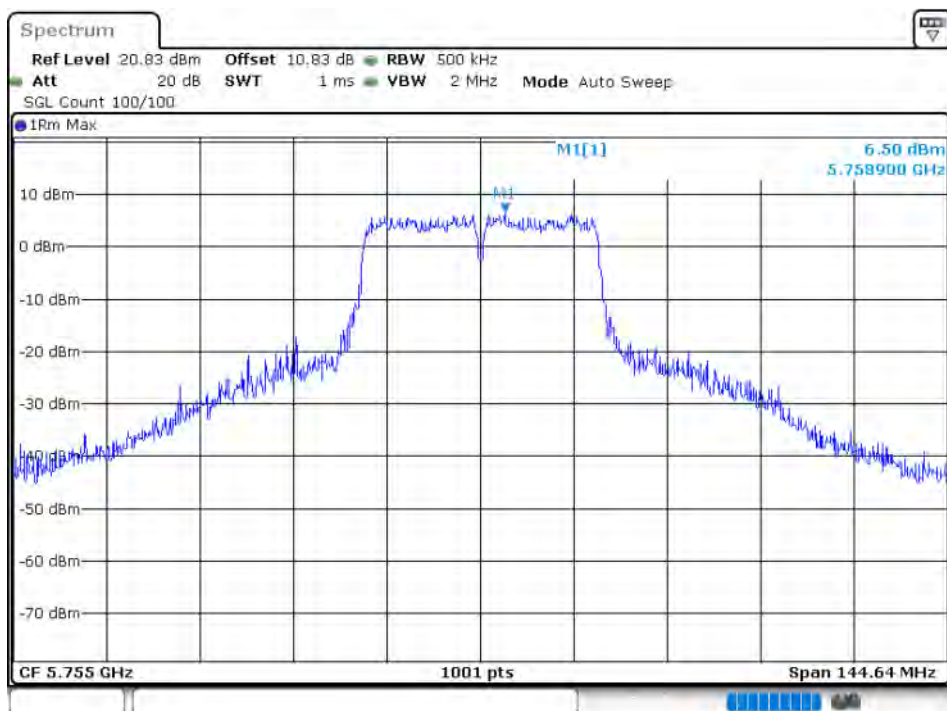
PSD NVNT 802.11n(HT20) 5825MHz Ant1



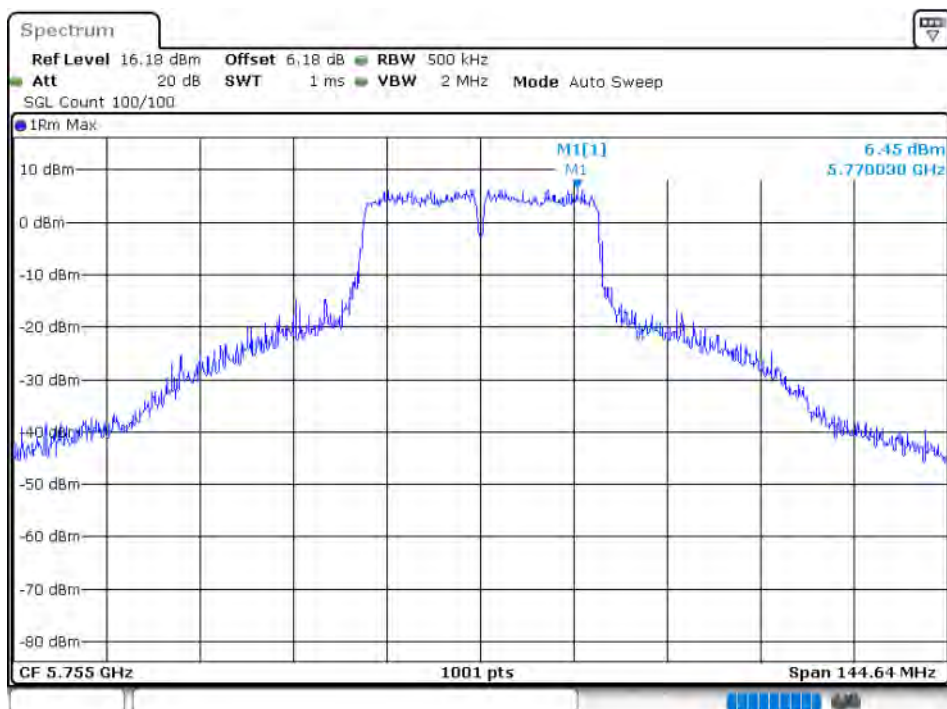
PSD NVNT 802.11n(HT20) 5825MHz Ant2



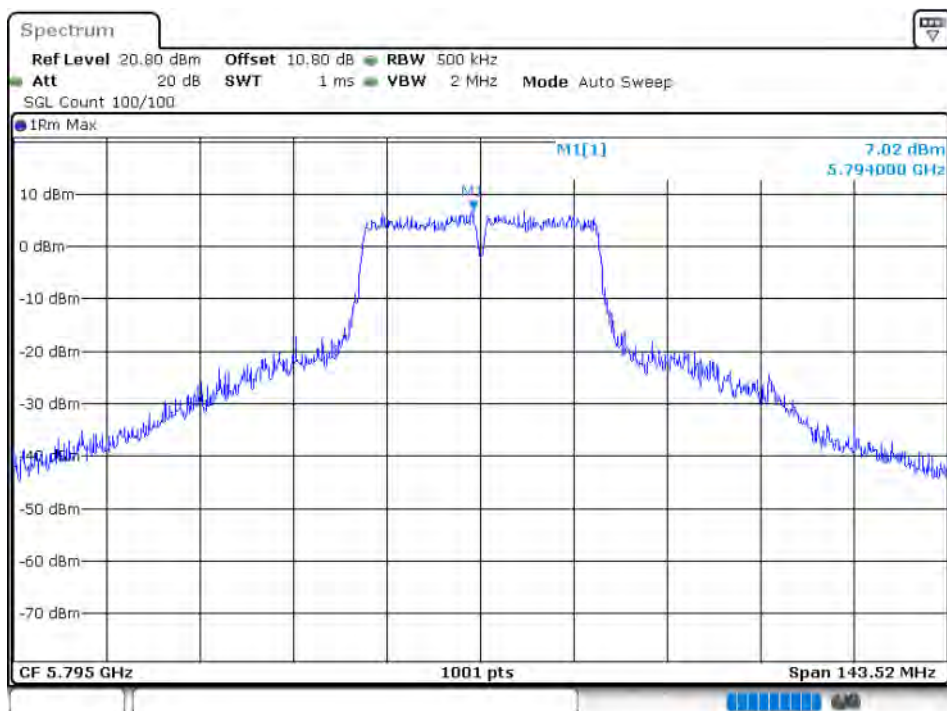
PSD NVNT 802.11n(HT40) 5755MHz Ant1



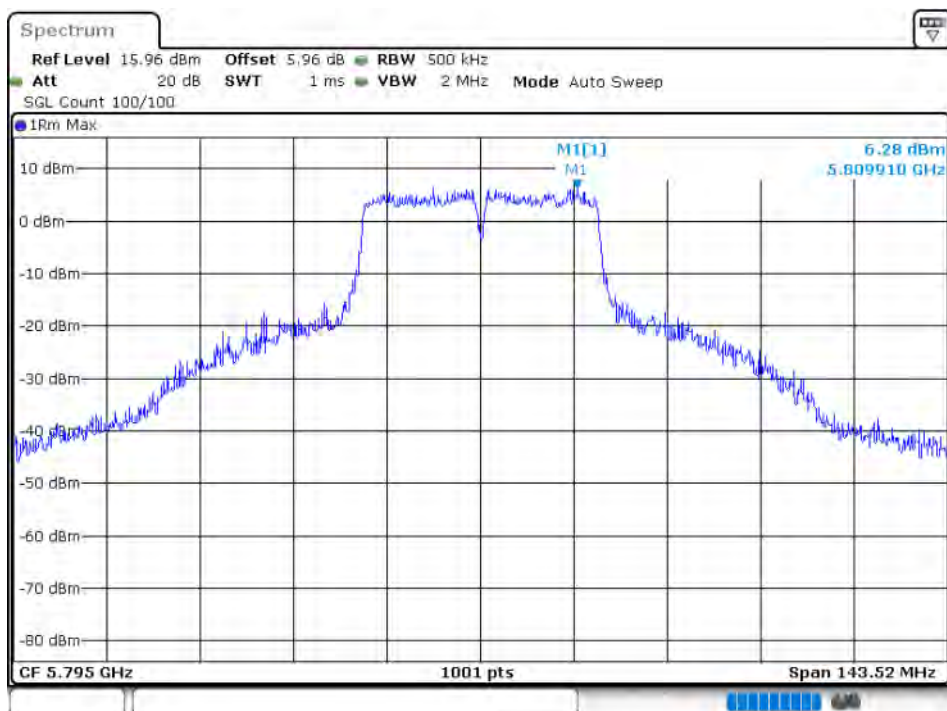
PSD NVNT 802.11n(HT40) 5755MHz Ant2



PSD NVNT 802.11n(HT40) 5795MHz Ant1



PSD NVNT 802.11n(HT40) 5795MHz Ant2



8192 Module MIMO Mode

Maximum Conducted Output Power

Test Channel	Frequency	Maximum output power.		Total Power	LIMIT	Result
		Antenna port		(AV)		
	(MHz)	ANT 3	ANT 4	dBm	dBm	
TX 802.11 n20M Mode						
CH36	5180	12.38	12.67	15.54	21.94	Pass
CH40	5200	12.16	12.30	15.24	21.94	Pass
CH48	5240	12.03	12.24	15.15	21.94	Pass
TX 802.11 n40M Mode						
CH38	5190	14.04	14.11	17.09	21.94	Pass
CH46	5230	15.65	15.86	18.77	21.94	Pass

Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.04dbi

8.04dbi>6.0dbi so power limit= 23.98-(8.04-6)=21.94dBm

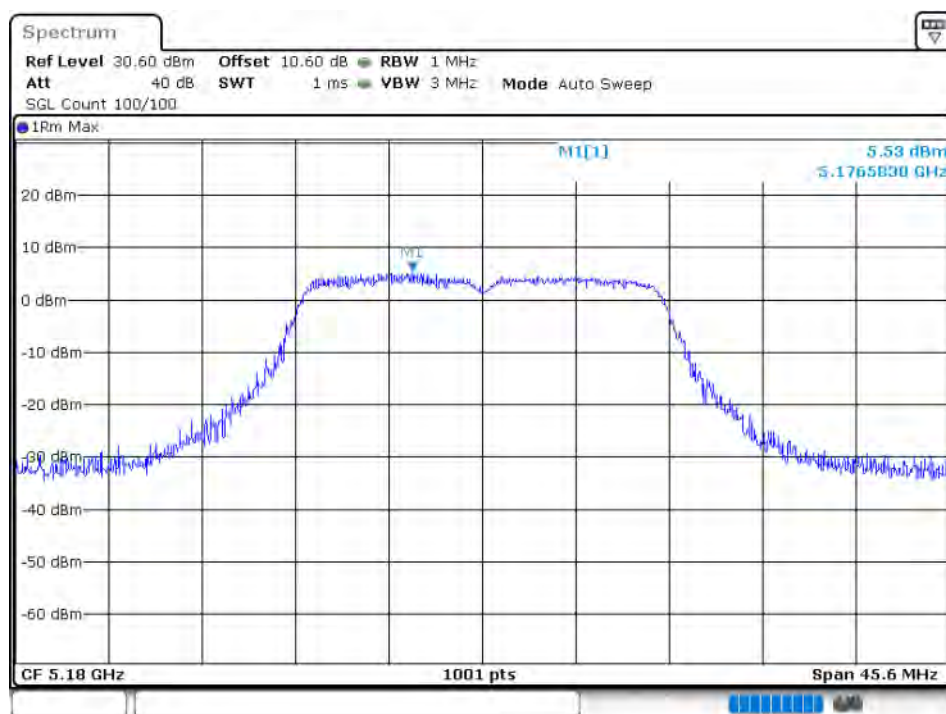
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11n(HT20)	5180	Ant 1	5.535	8.96	Pass
NVNT	802.11n(HT20)	5180	Ant 2	5.765	8.96	Pass
NVNT	802.11n(HT20)	5180	Total	8.662	8.96	Pass
NVNT	802.11n(HT20)	5200	Ant 1	5.195	8.96	Pass
NVNT	802.11n(HT20)	5200	Ant 2	5.757	8.96	Pass
NVNT	802.11n(HT20)	5200	Total	8.495	8.96	Pass
NVNT	802.11n(HT20)	5240	Ant 1	5.68	8.96	Pass
NVNT	802.11n(HT20)	5240	Ant 2	5.109	8.96	Pass
NVNT	802.11n(HT20)	5240	Total	8.414	8.96	Pass
NVNT	802.11n(HT40)	5190	Ant 1	4.313	8.96	Pass
NVNT	802.11n(HT40)	5190	Ant 2	4.8	8.96	Pass
NVNT	802.11n(HT40)	5190	Total	7.574	8.96	Pass
NVNT	802.11n(HT40)	5230	Ant 1	5.701	8.96	Pass
NVNT	802.11n(HT40)	5230	Ant 2	6.063	8.96	Pass
NVNT	802.11n(HT40)	5230	Total	8.896	8.96	Pass

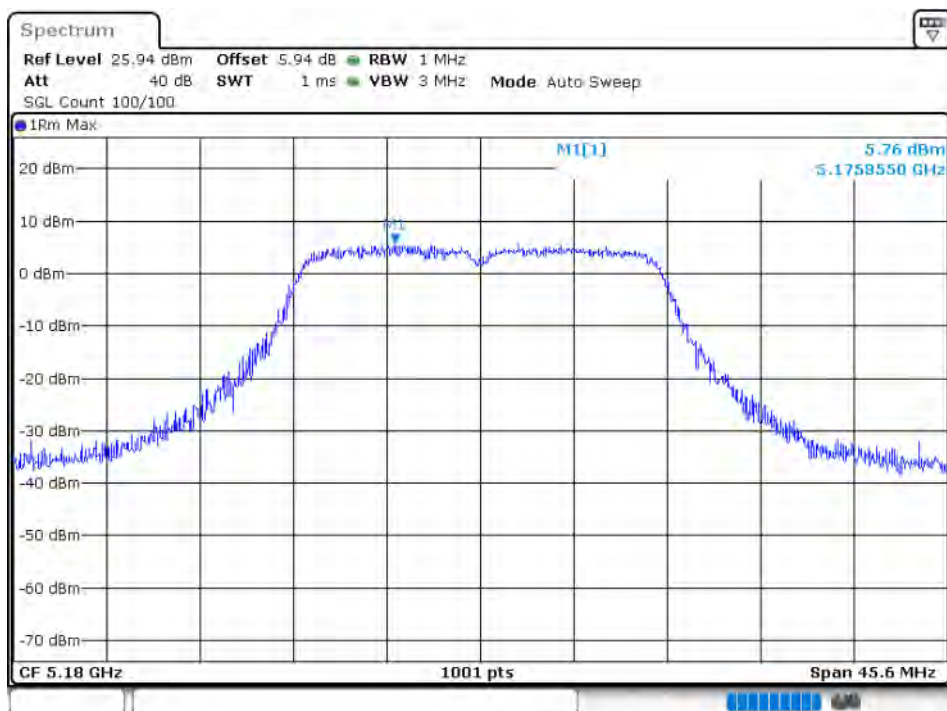
Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.04dbi

$8.04\text{dbi} > 6.0\text{dbi}$ so power limit = $11 - (8.04 - 6) = 8.96\text{dBm}$

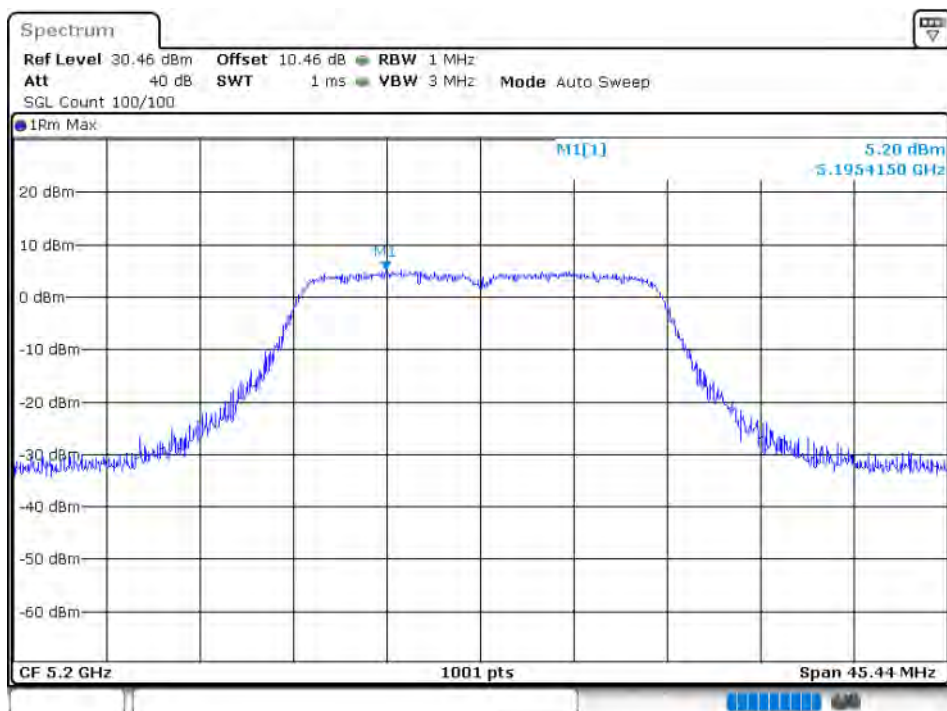
PSD NVNT 802.11n(HT20) 5180MHz Ant1



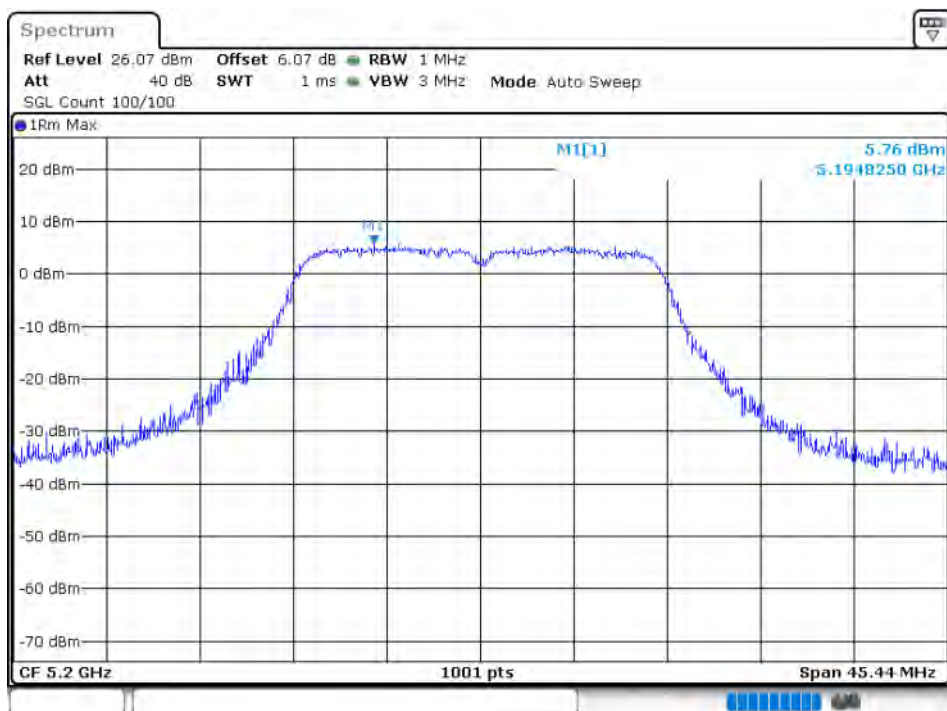
PSD NVNT 802.11n(HT20) 5180MHz Ant2



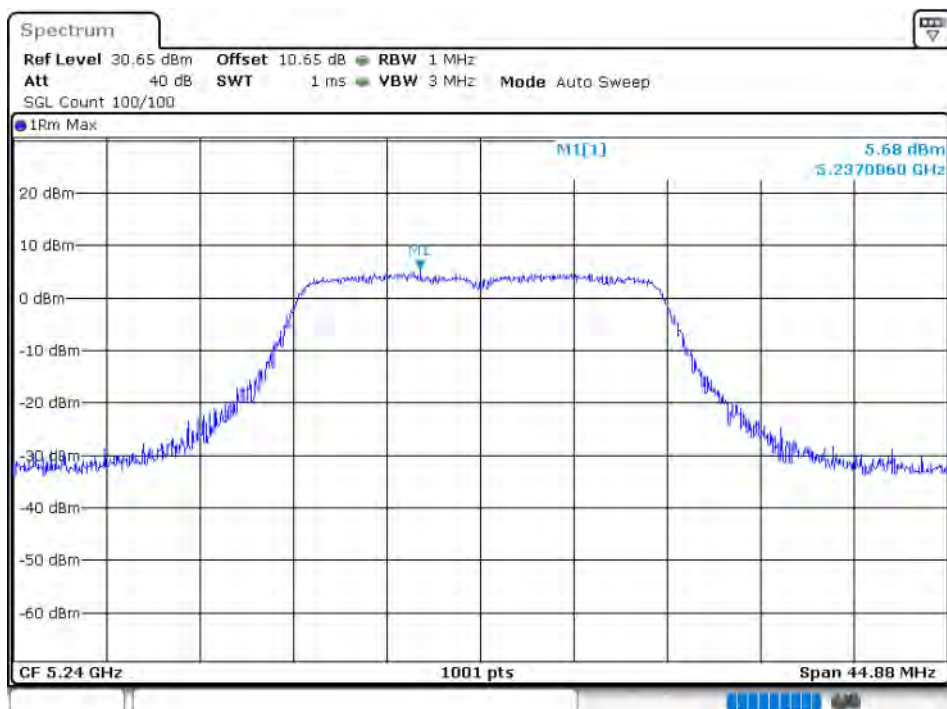
PSD NVNT 802.11n(HT20) 5200MHz Ant1



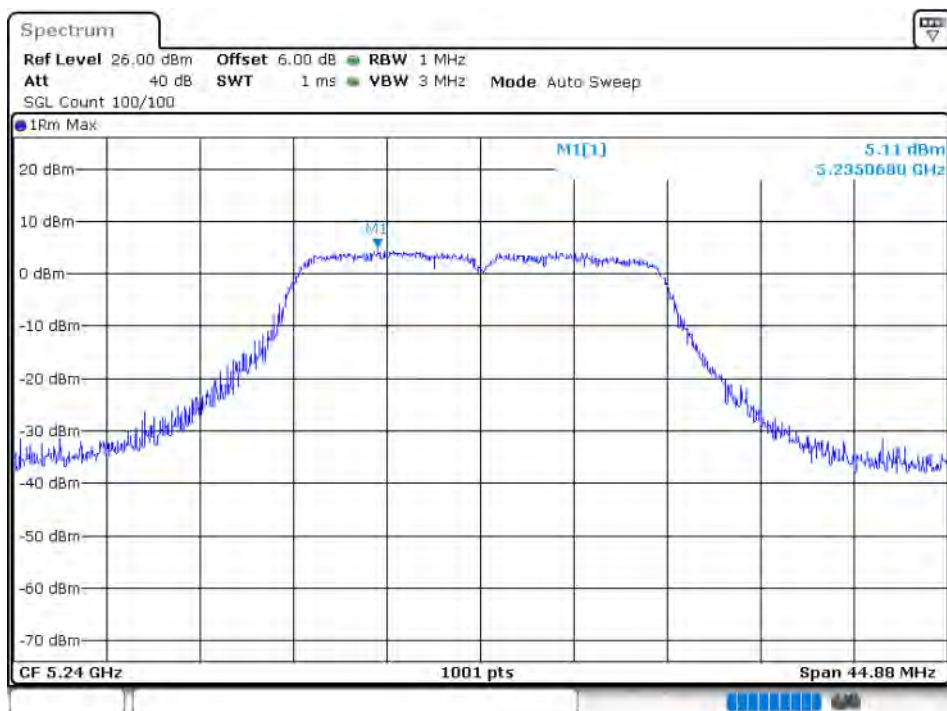
PSD NVNT 802.11n(HT20) 5200MHz Ant2



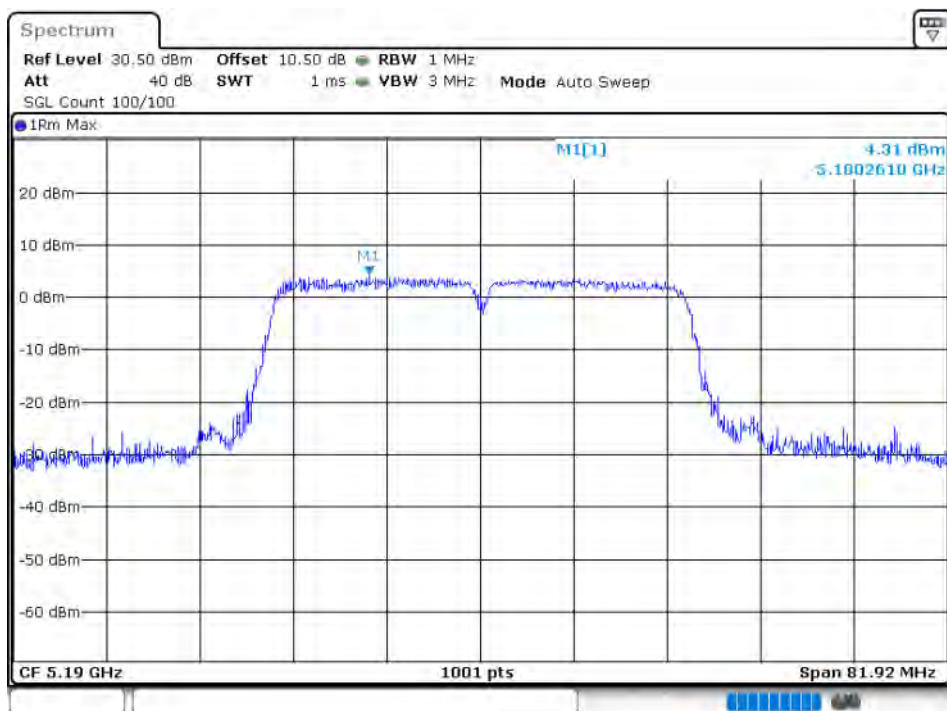
PSD NVNT 802.11n(HT20) 5240MHz Ant1



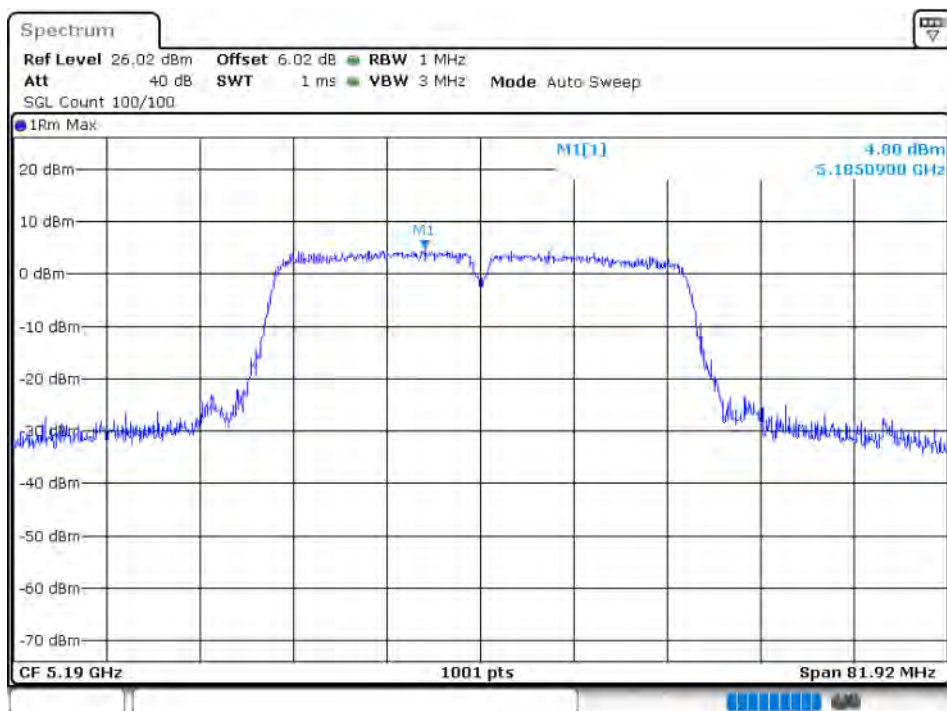
PSD NVNT 802.11n(HT20) 5240MHz Ant2



PSD NVNT 802.11n(HT40) 5190MHz Ant1



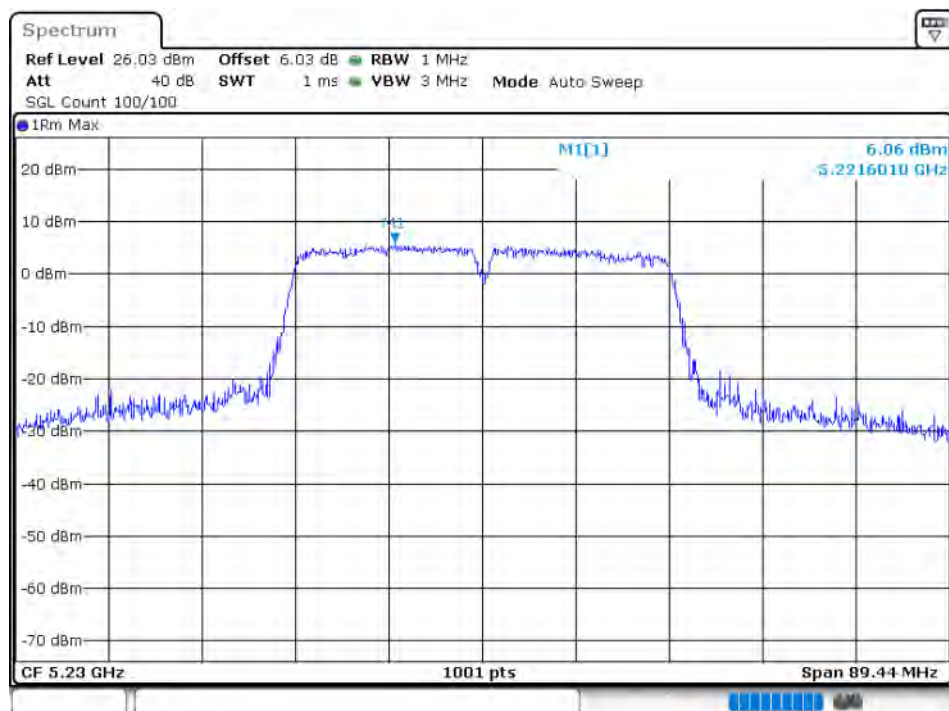
PSD NVNT 802.11n(HT40) 5190MHz Ant2



PSD NVNT 802.11n(HT40) 5230MHz Ant1



PSD NVNT 802.11n(HT40) 5230MHz Ant2



Maximum Conducted Output Power

Test Channel	Frequency	Maximum output power.		Total Power	LIMIT	Result
		Antenna port		(AV)		
	(MHz)	ANT 3	ANT 4	dBm	dBm	
TX 802.11 n20M Mode						
CH149	5745	17.34	17.40	20.38	27.97	Pass
CH157	5785	17.21	17.17	20.20	27.97	Pass
CH165	5825	16.77	16.79	19.79	27.97	Pass
TX 802.11 n40M Mode						
CH151	5755	16.65	16.71	19.69	27.97	Pass
CH159	5795	16.17	16.26	19.23	27.97	Pass

Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.03dbi

8.03dbi>6.0dbi so power limit= 30-(8.03-6)=27.97dBm.

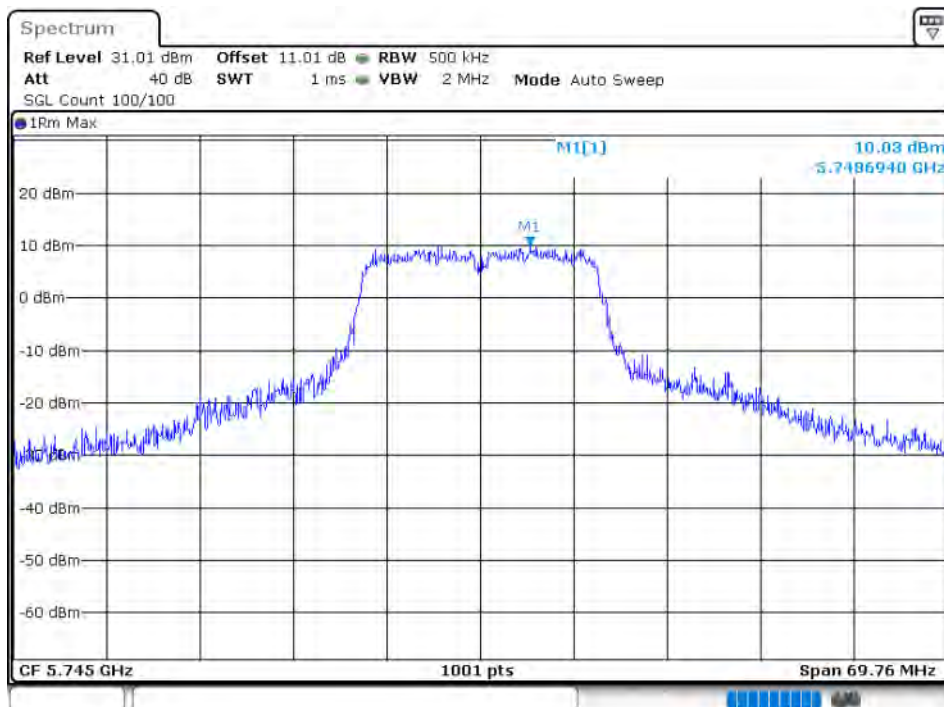
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11n(HT20)	5745	Ant 3	10.026	27.97	Pass
NVNT	802.11n(HT20)	5745	Ant 4	10.077	27.97	Pass
NVNT	802.11n(HT20)	5745	Total	13.062	27.97	Pass
NVNT	802.11n(HT20)	5785	Ant 3	10.485	27.97	Pass
NVNT	802.11n(HT20)	5785	Ant 4	9.948	27.97	Pass
NVNT	802.11n(HT20)	5785	Total	13.235	27.97	Pass
NVNT	802.11n(HT20)	5825	Ant 3	9.199	27.97	Pass
NVNT	802.11n(HT20)	5825	Ant 4	8.524	27.97	Pass
NVNT	802.11n(HT20)	5825	Total	11.885	27.97	Pass
NVNT	802.11n(HT40)	5755	Ant 3	5.893	27.97	Pass
NVNT	802.11n(HT40)	5755	Ant 4	6.933	27.97	Pass
NVNT	802.11n(HT40)	5755	Total	9.454	27.97	Pass
NVNT	802.11n(HT40)	5795	Ant 3	5.719	27.97	Pass
NVNT	802.11n(HT40)	5795	Ant 4	5.457	27.97	Pass
NVNT	802.11n(HT40)	5795	Total	8.6	27.97	Pass

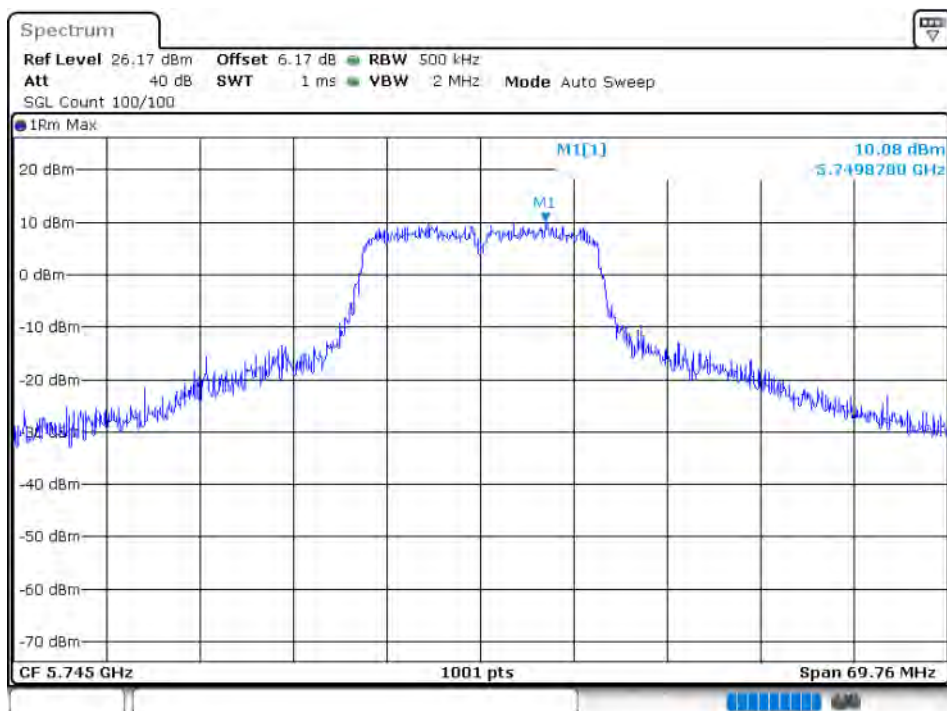
Note: For 802.11n/ac 5GHz has MIMO mode. Directional gain=8.03dbi

8.03dbi>6.0dbi so power limit= 30-(8.03-6)=27.97dBm.

PSD NVNT 802.11n(HT20) 5745MHz Ant3



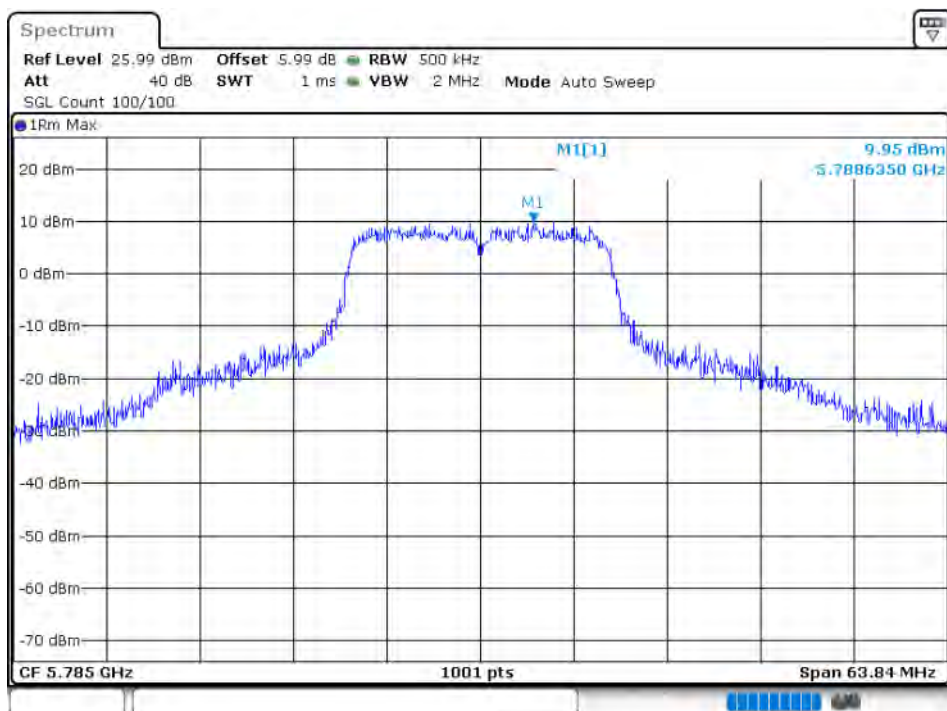
PSD NVNT 802.11n(HT20) 5745MHz Ant4



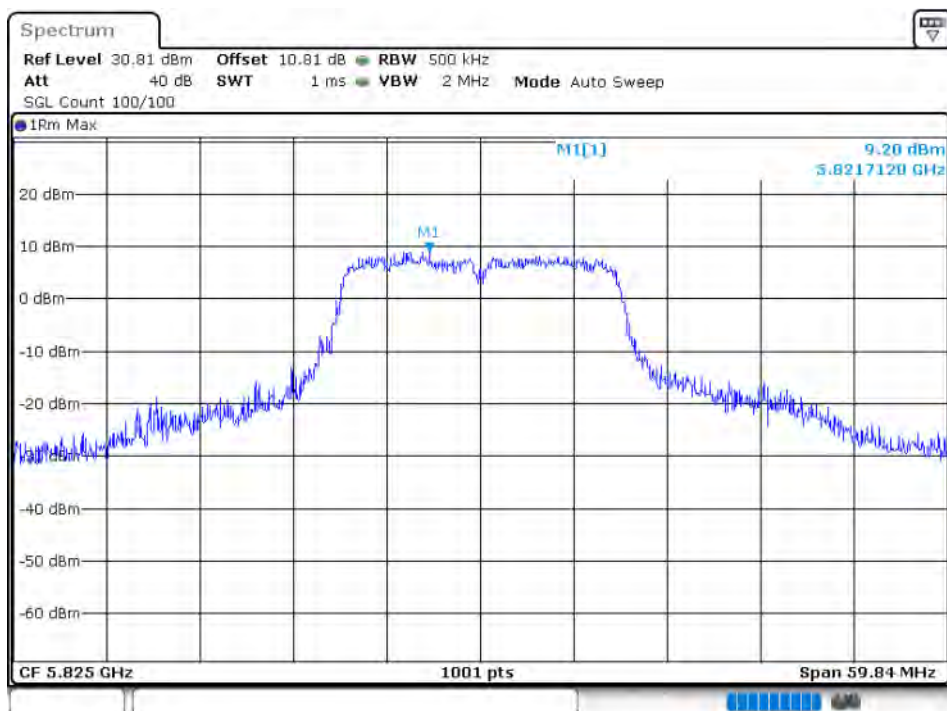
PSD NVNT 802.11n(HT20) 5785MHz Ant3



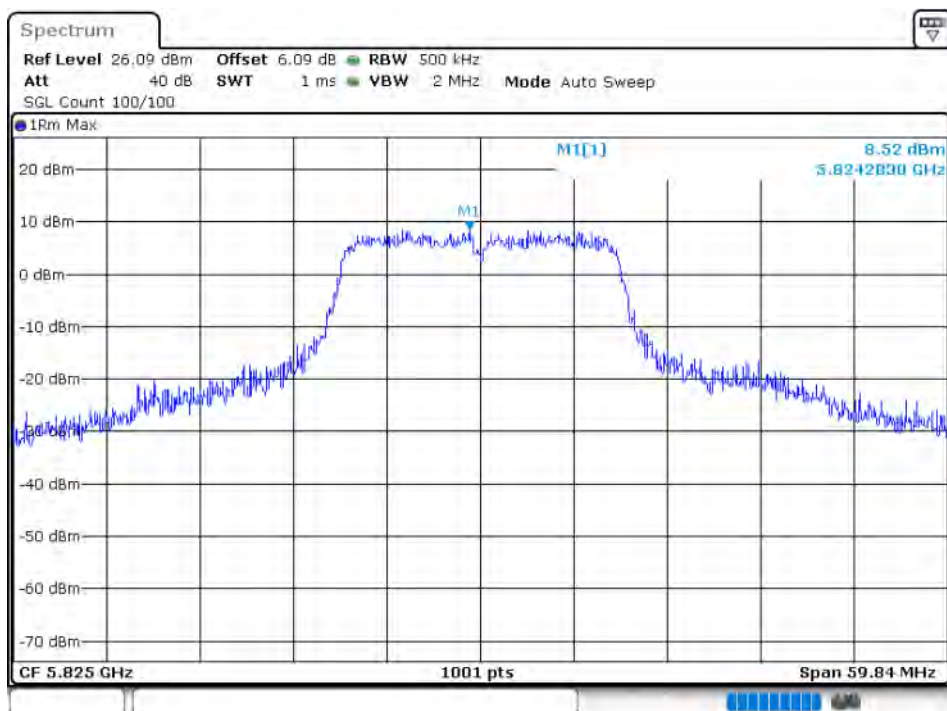
PSD NVNT 802.11n(HT20) 5785MHz Ant4



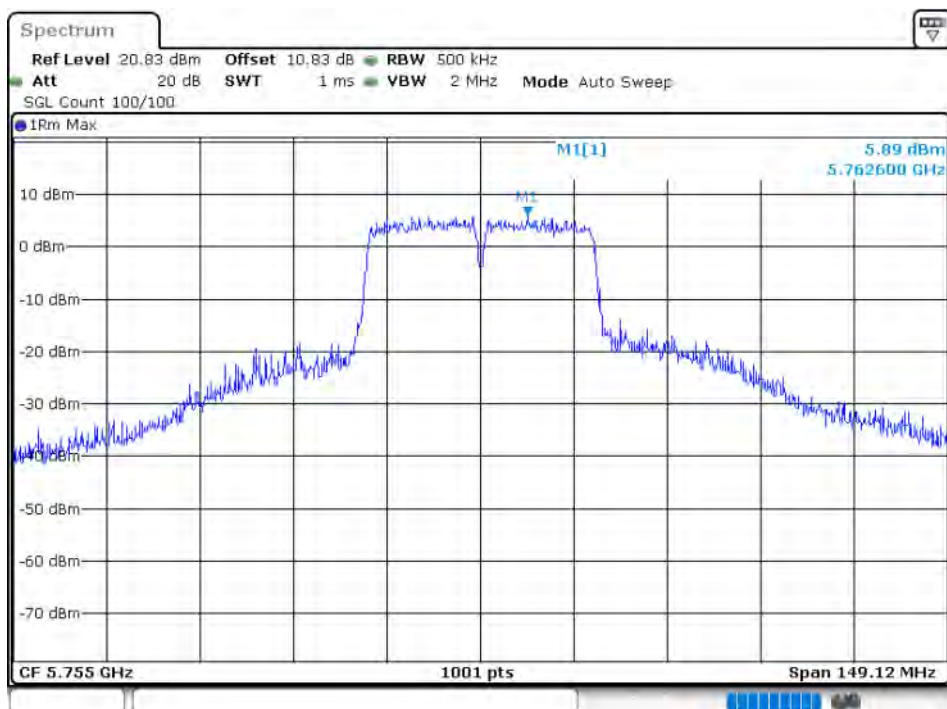
PSD NVNT 802.11n(HT20) 5825MHz Ant3



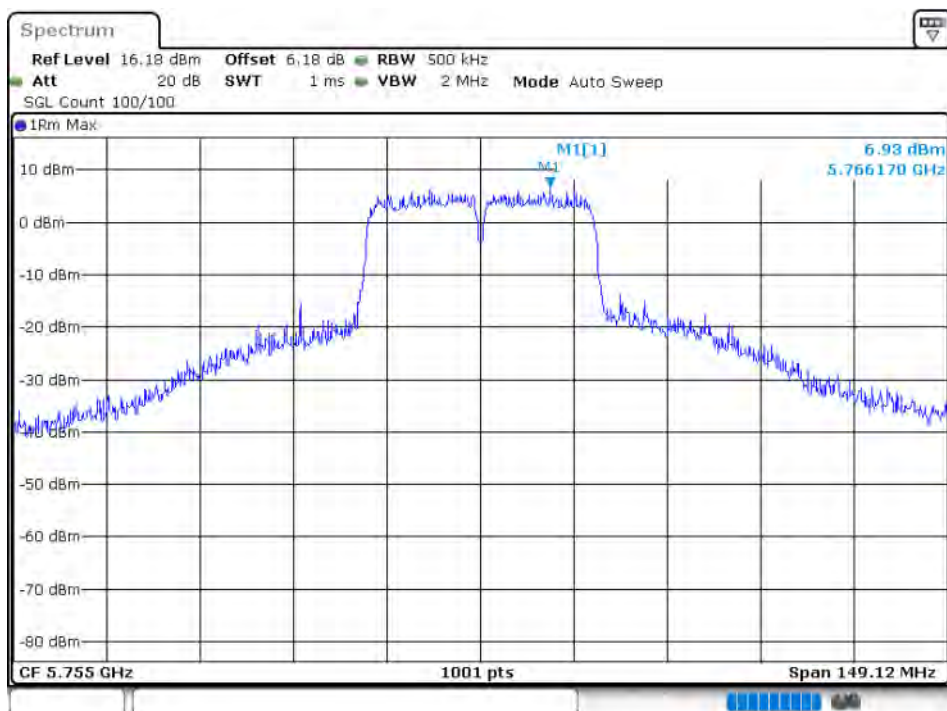
PSD NVNT 802.11n(HT20) 5825MHz Ant4



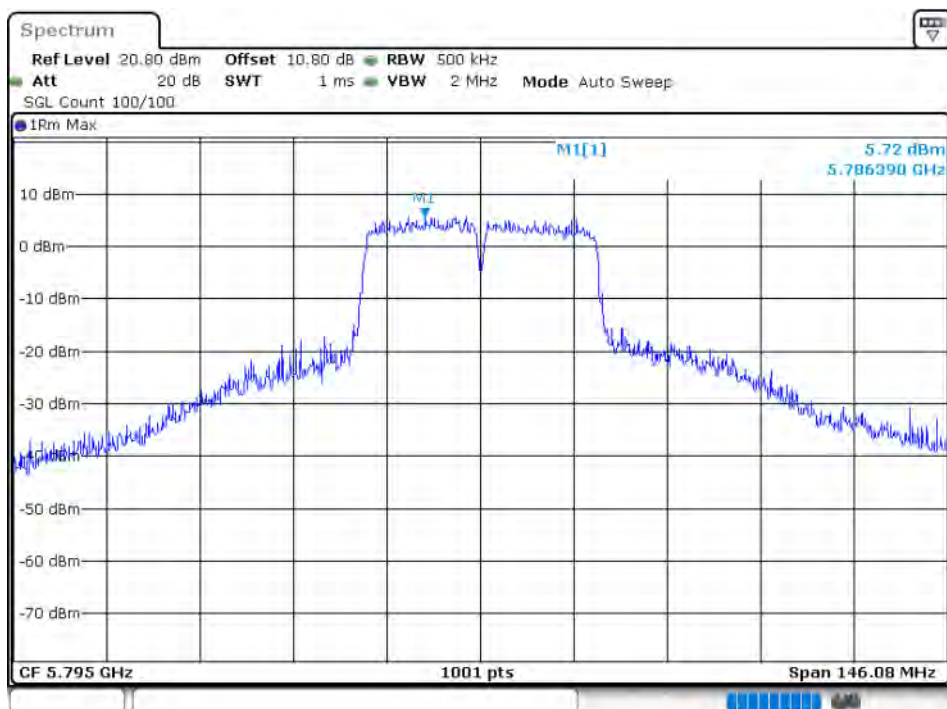
PSD NVNT 802.11n(HT40) 5755MHz Ant3



PSD NVNT 802.11n(HT40) 5755MHz Ant4



PSD NVNT 802.11n(HT40) 5795MHz Ant3



PSD NVNT 802.11n(HT40) 5795MHz Ant4

