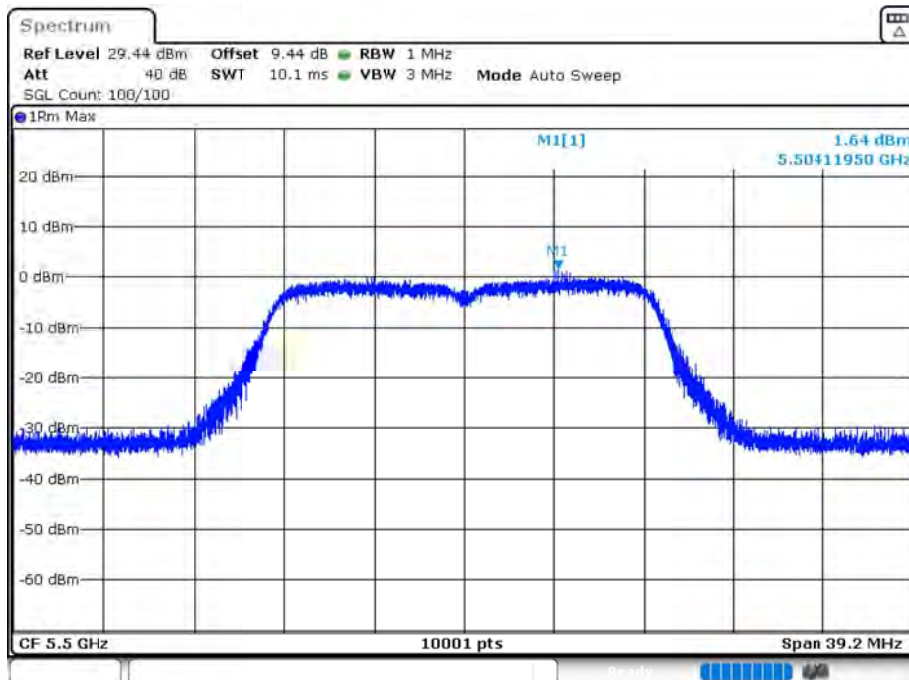


**Maximum Power Spectral Density Level**

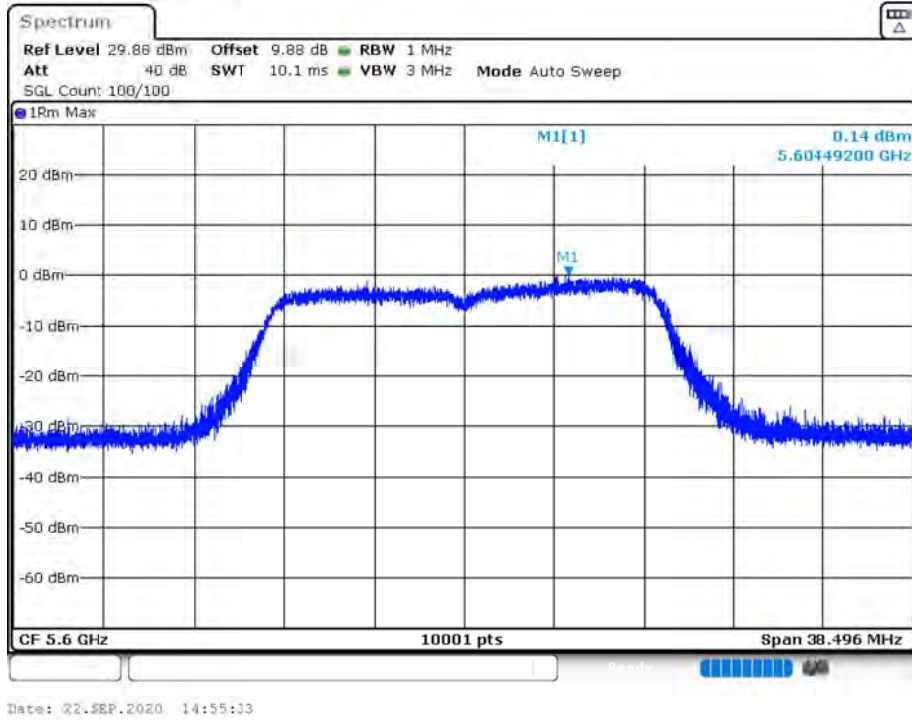
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	1.643	11	Pass
NVNT	802.11a	5600	Ant 1	0.135	11	Pass
NVNT	802.11a	5700	Ant 1	2.062	11	Pass
NVNT	802.11ac20	5500	Ant 1	-0.983	11	Pass
NVNT	802.11ac20	5600	Ant 1	-0.501	11	Pass
NVNT	802.11ac20	5700	Ant 1	0.664	11	Pass
NVNT	802.11ac40	5510	Ant 1	4.973	11	Pass
NVNT	802.11ac40	5590	Ant 1	2.519	11	Pass
NVNT	802.11ac40	5670	Ant 1	4.595	11	Pass
NVNT	802.11ac80	5530	Ant 1	1.961	11	Pass
NVNT	802.11ac80	5610	Ant 1	0.901	11	Pass
NVNT	802.11n(HT20)	5500	Ant 1	3.386	11	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-0.589	11	Pass
NVNT	802.11n(HT20)	5700	Ant 1	0.483	11	Pass
NVNT	802.11n(HT40)	5510	Ant 1	2.583	11	Pass
NVNT	802.11n(HT40)	5590	Ant 1	3.113	11	Pass
NVNT	802.11n(HT40)	5670	Ant 1	4.092	11	Pass

PSD NVNT 802.11a 5500MHz Ant1

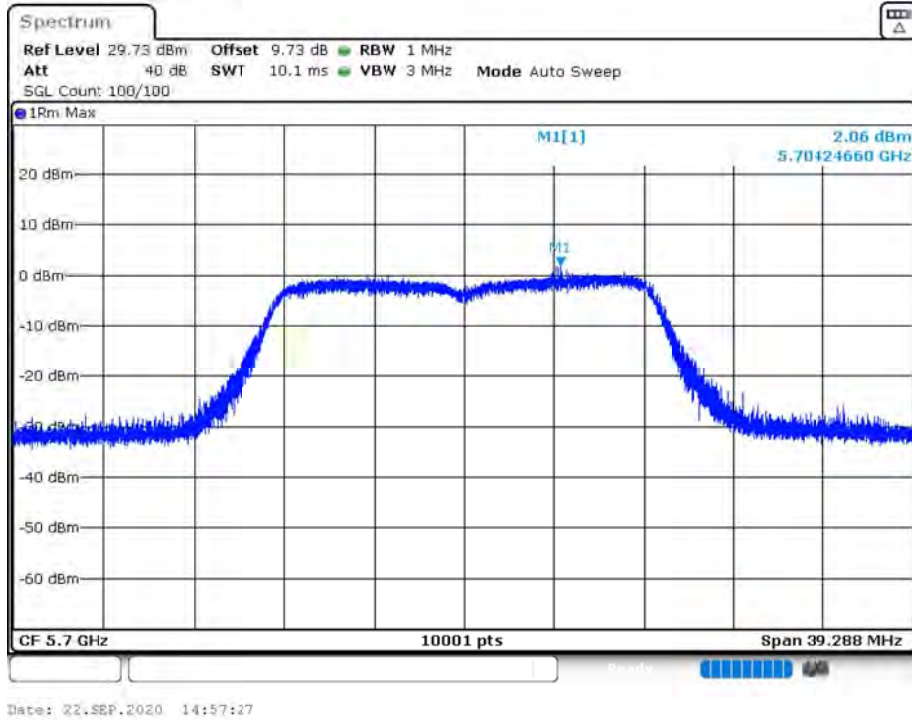


Date: 22.SEP.2020 14:52:30

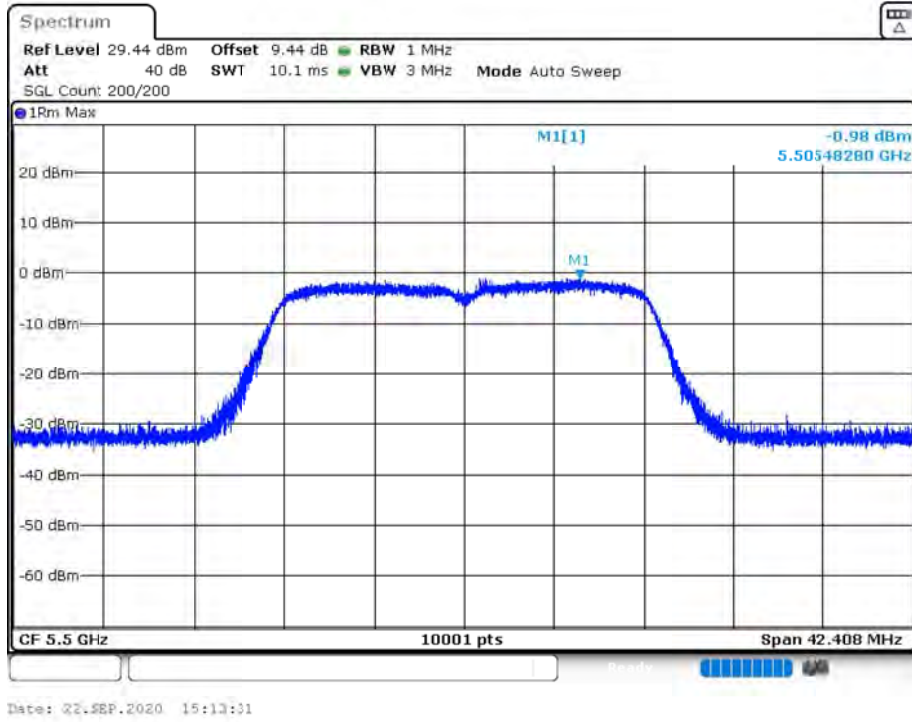
PSD NVNT 802.11a 5600MHz Ant1



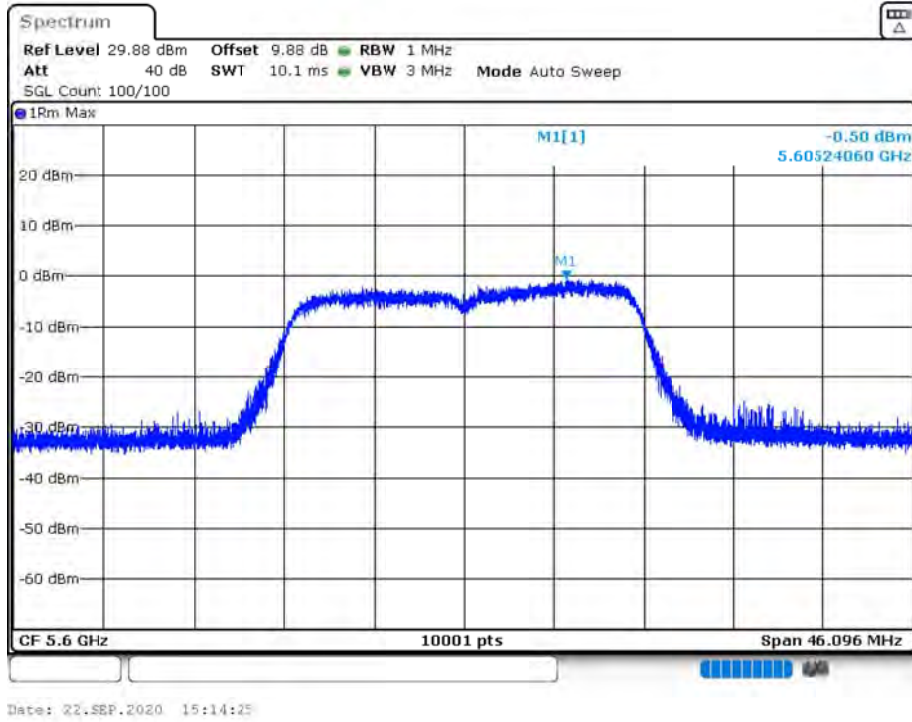
PSD NVNT 802.11a 5700MHz Ant1



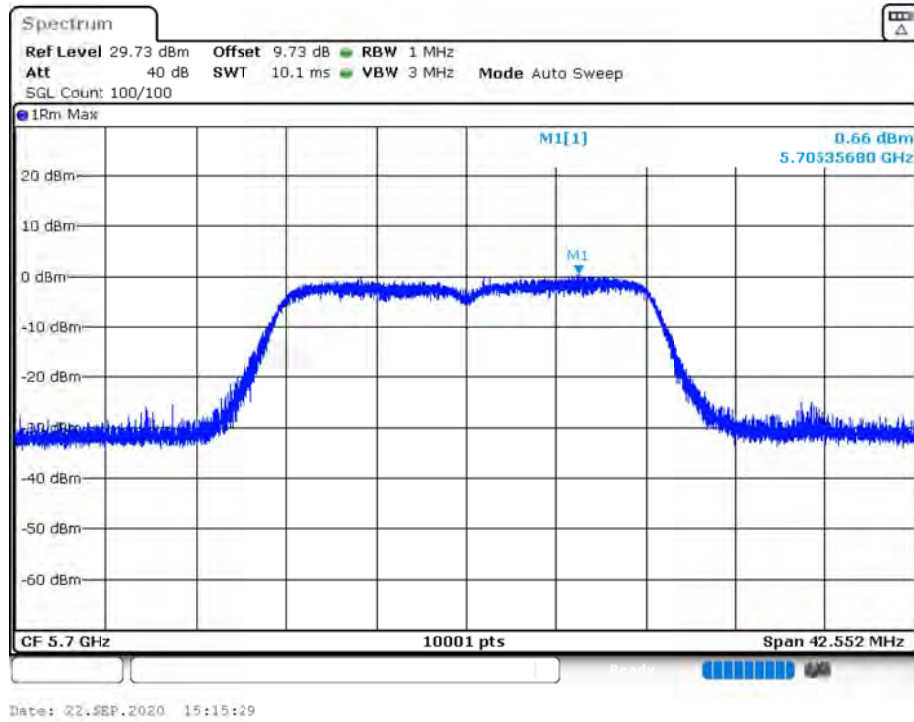
PSD NVNT 802.11ac20 5500MHz Ant1



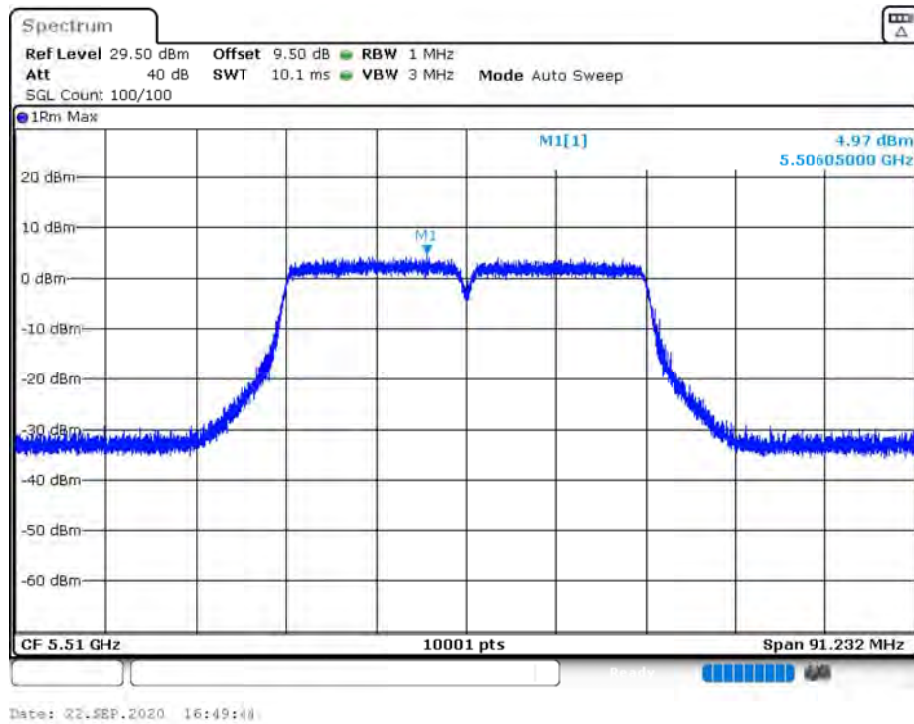
PSD NVNT 802.11ac20 5600MHz Ant1



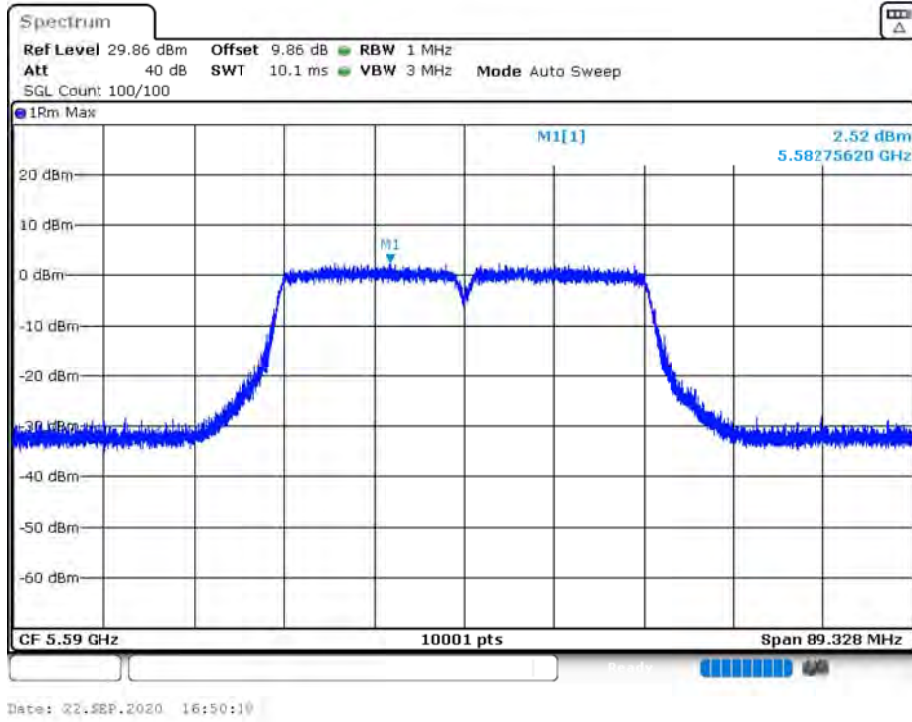
PSD NVNT 802.11ac20 5700MHz Ant1



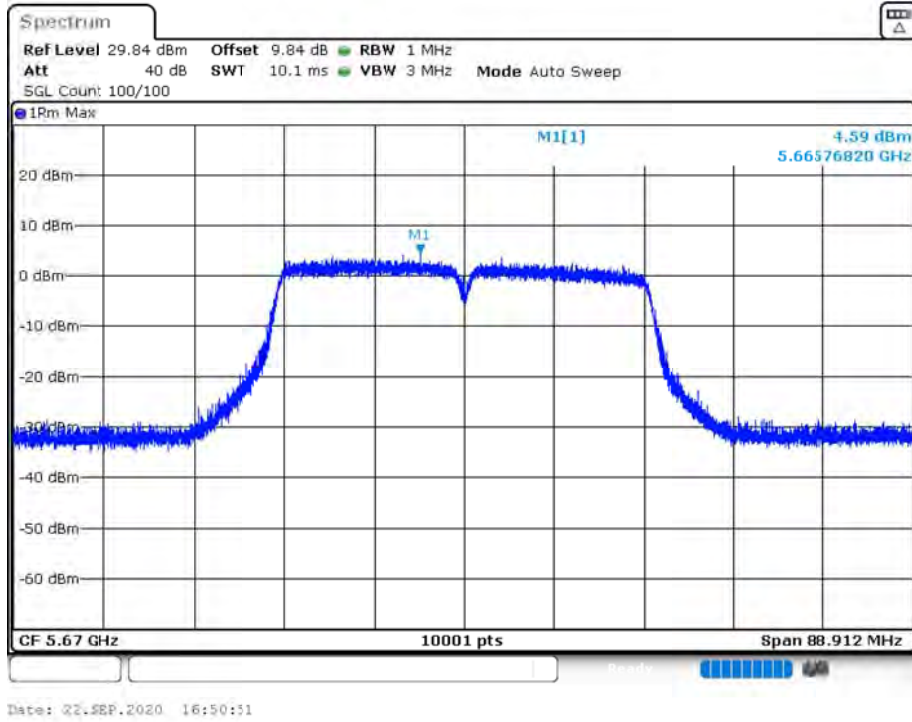
PSD NVNT 802.11ac40 5510MHz Ant1



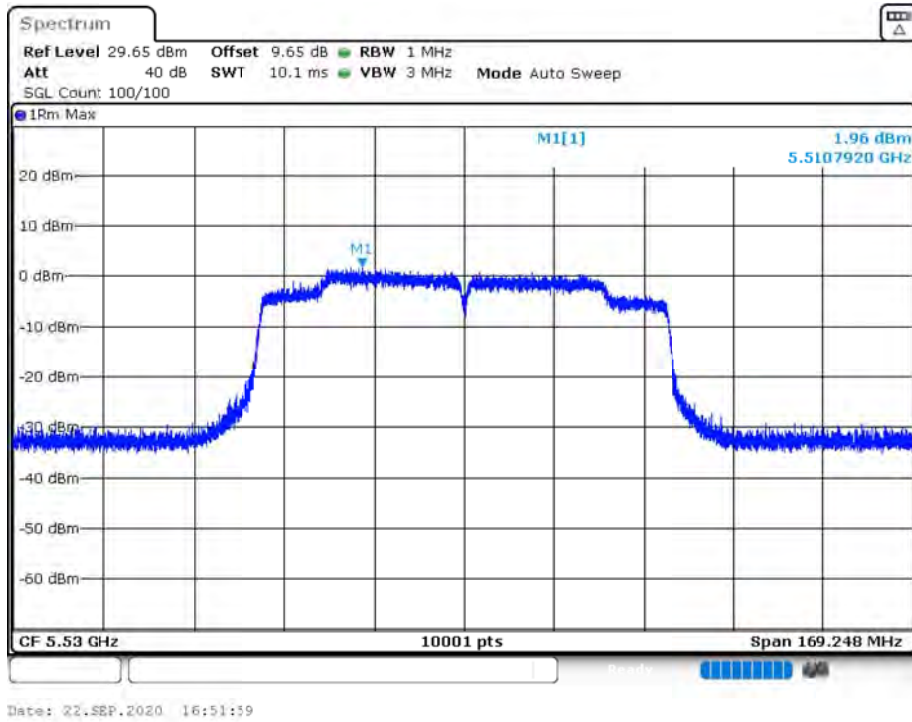
PSD NVNT 802.11ac40 5590MHz Ant1



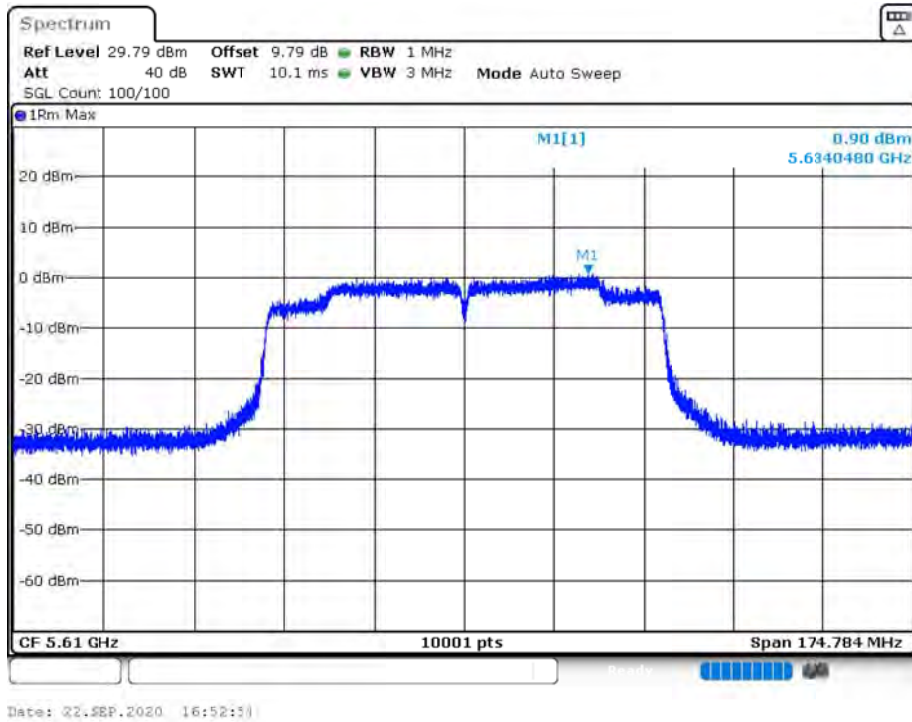
PSD NVNT 802.11ac40 5670MHz Ant1



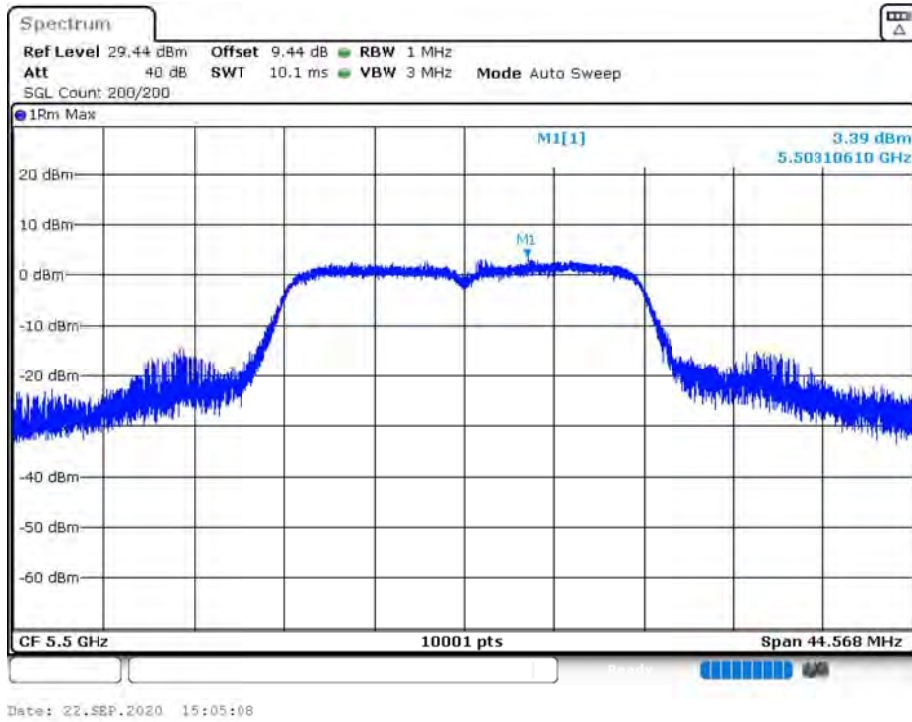
PSD NVNT 802.11ac80 5530MHz Ant1



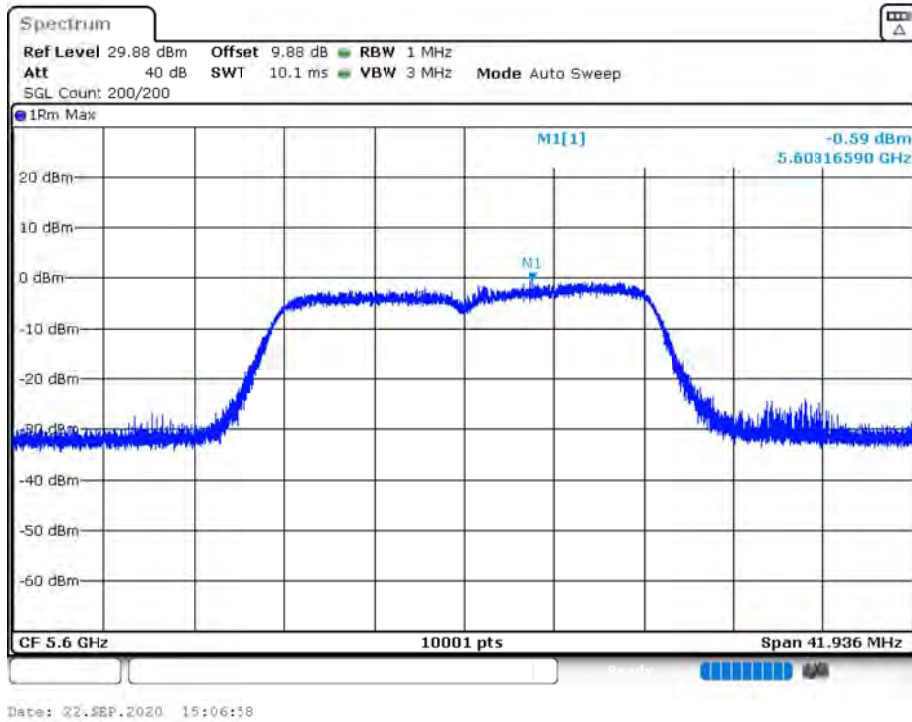
PSD NVNT 802.11ac80 5610MHz Ant1



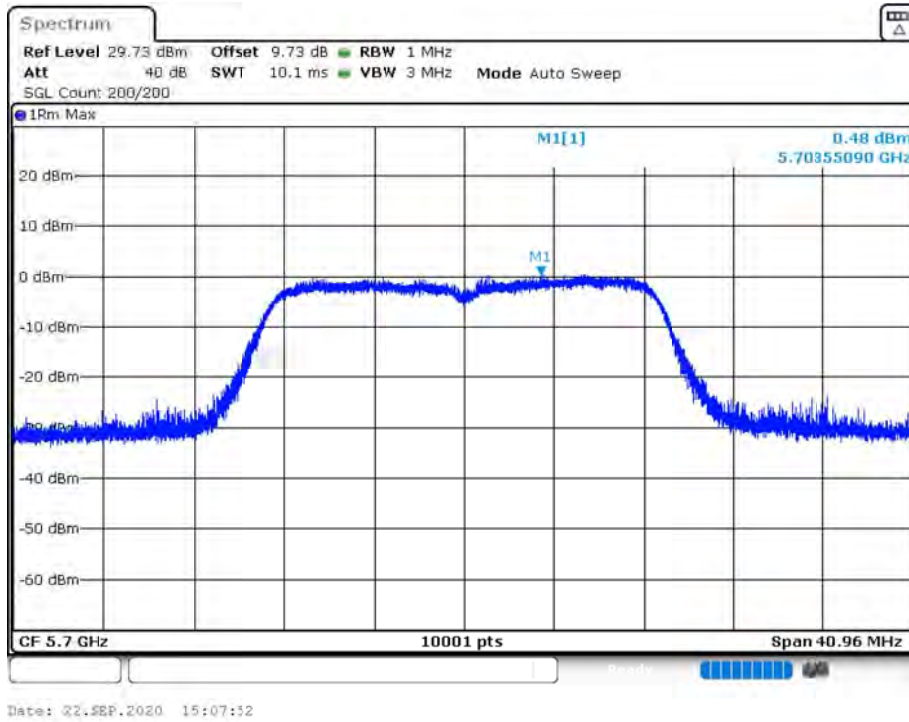
PSD NVNT 802.11n(HT20) 5500MHz Ant1



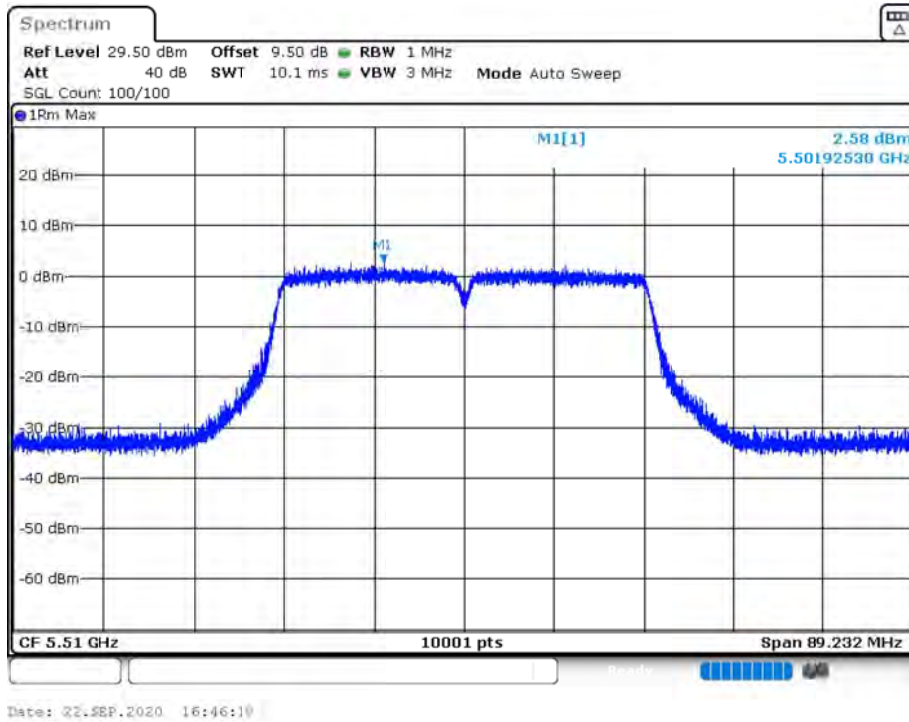
PSD NVNT 802.11n(HT20) 5600MHz Ant1



PSD NVNT 802.11n(HT20) 5700MHz Ant1

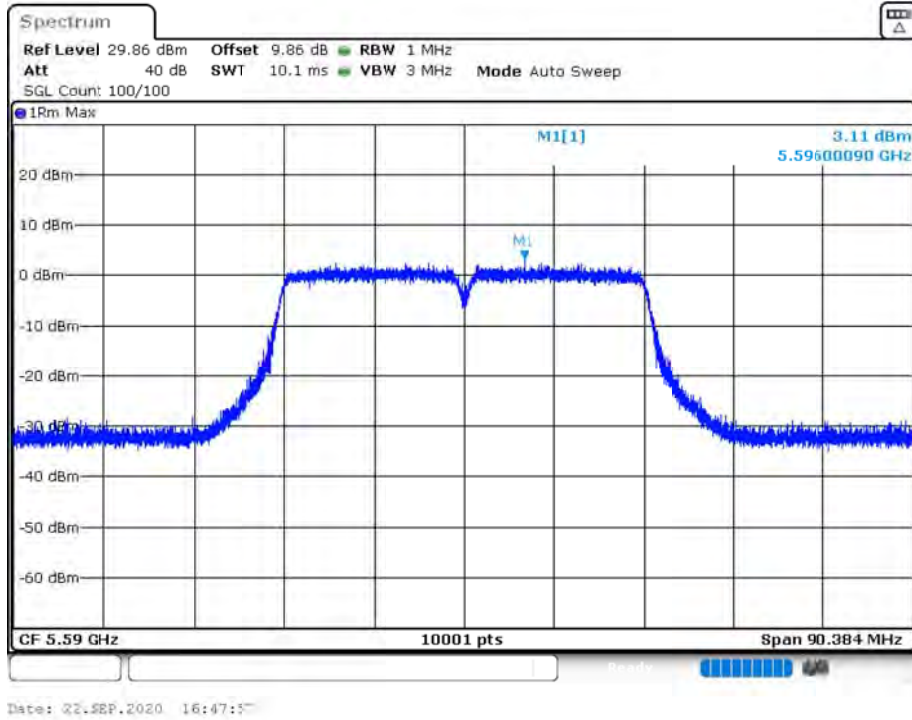


PSD NVNT 802.11n(HT40) 5510MHz Ant1

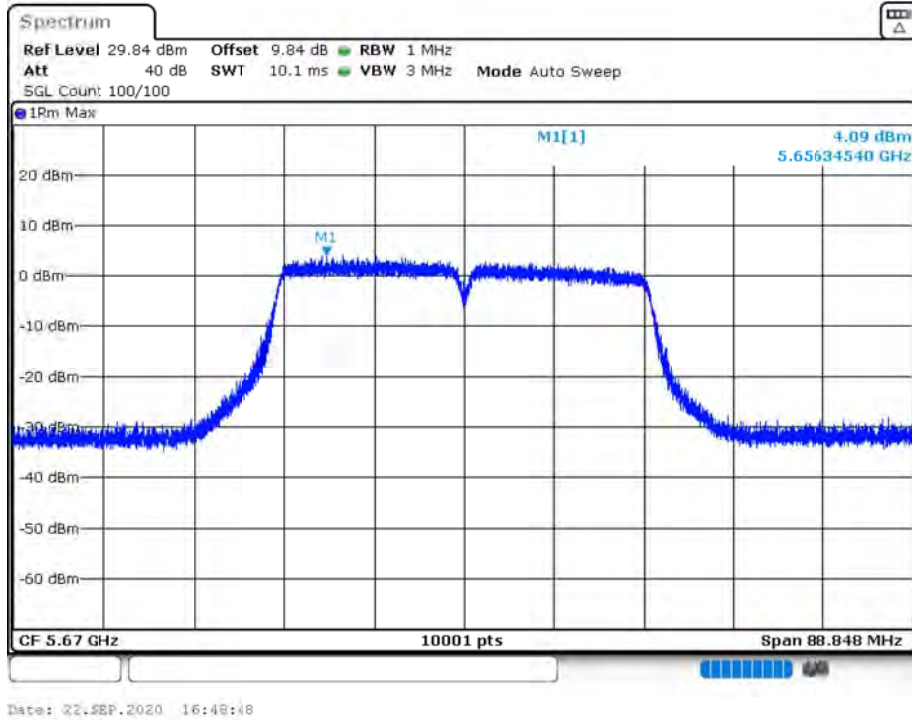




PSD NVNT 802.11n(HT40) 5590MHz Ant1



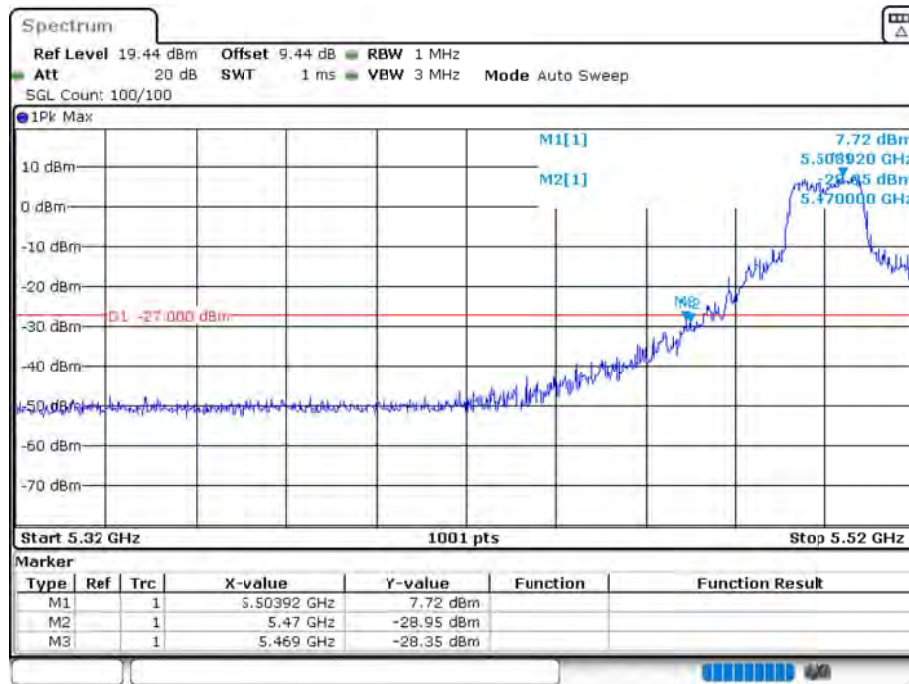
PSD NVNT 802.11n(HT40) 5670MHz Ant1



**Band Edge**

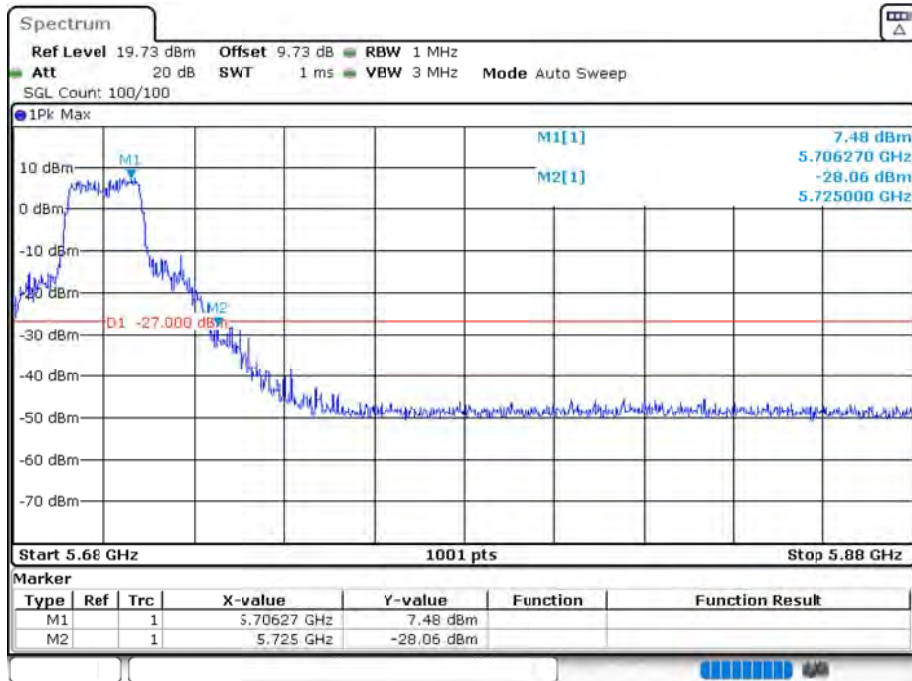
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5500	Ant 1	-28.35	-27	Pass
NVNT	802.11a	5700	Ant 1	-28.06	-27	Pass
NVNT	802.11ac20	5500	Ant 1	-27.98	-27	Pass
NVNT	802.11ac20	5700	Ant 1	-27.75	-27	Pass
NVNT	802.11ac40	5510	Ant 1	-44.54	-27	Pass
NVNT	802.11ac40	5670	Ant 1	-45.18	-27	Pass
NVNT	802.11ac80	5530	Ant 1	-43.67	-27	Pass
NVNT	802.11ac80	5610	Ant 1	-46.63	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-27.23	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-27.46	-27	Pass
NVNT	802.11n(HT40)	5510	Ant 1	-46.5	-27	Pass
NVNT	802.11n(HT40)	5670	Ant 1	-44.52	-27	Pass

Band Edge NVNT 802.11a 5500MHz Low Ant1



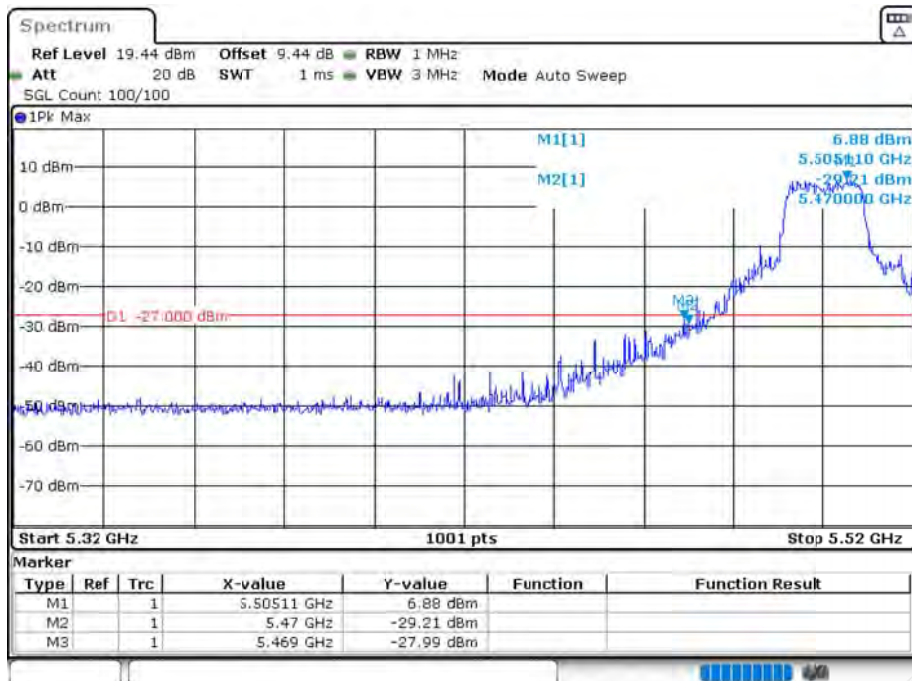
Date: 22. SEP. 2020 14:49:26

Band Edge NVNT 802.11a 5700MHz High Ant1



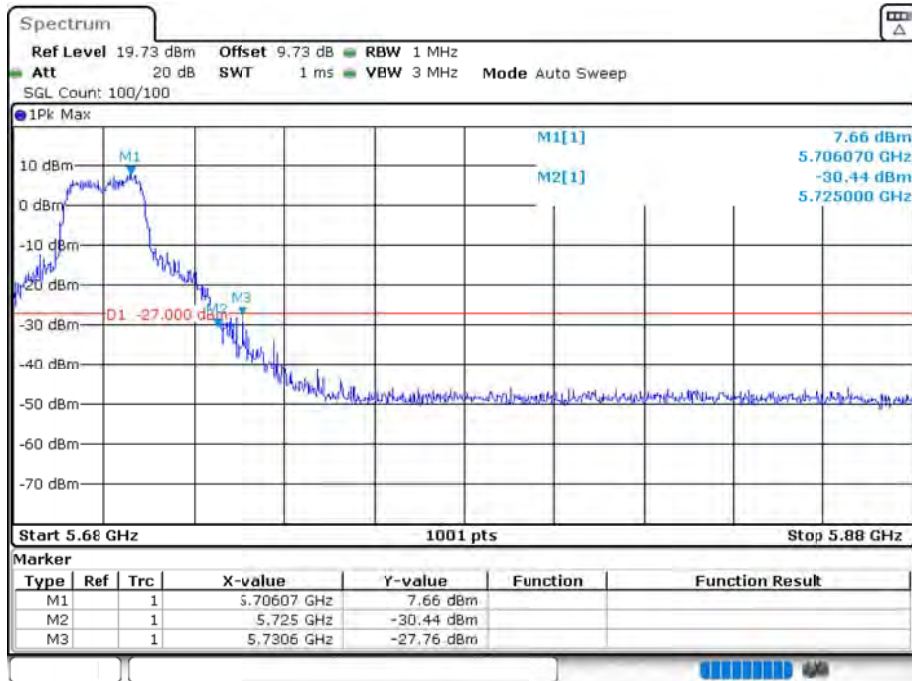
Date: 22.SEP.2020 14:56:56

Band Edge NVNT 802.11ac20 5500MHz Low Ant1



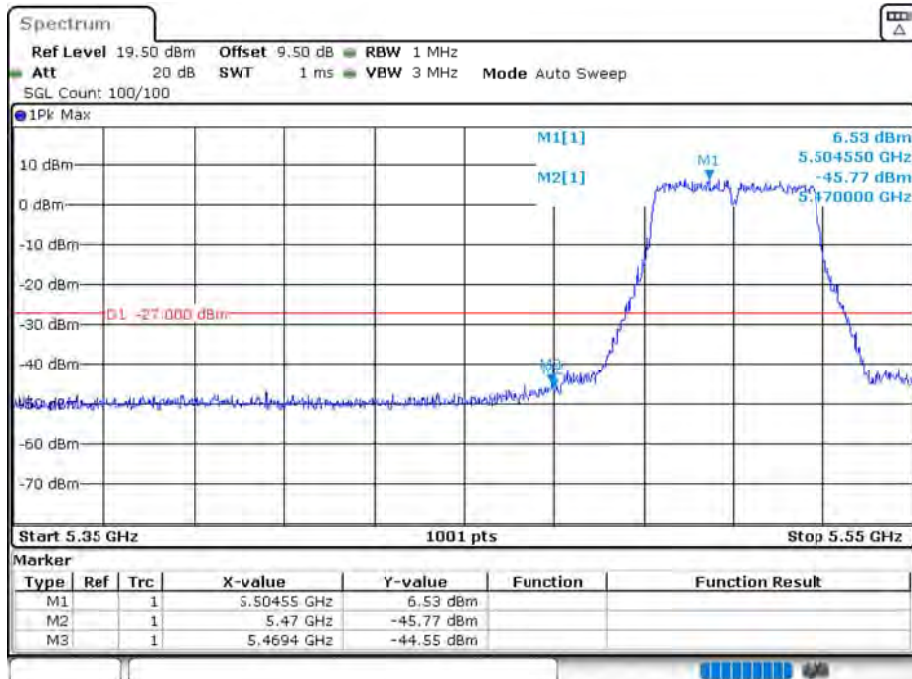
Date: 22.SEP.2020 15:09:30

Band Edge NVNT 802.11ac20 5700MHz High Ant1



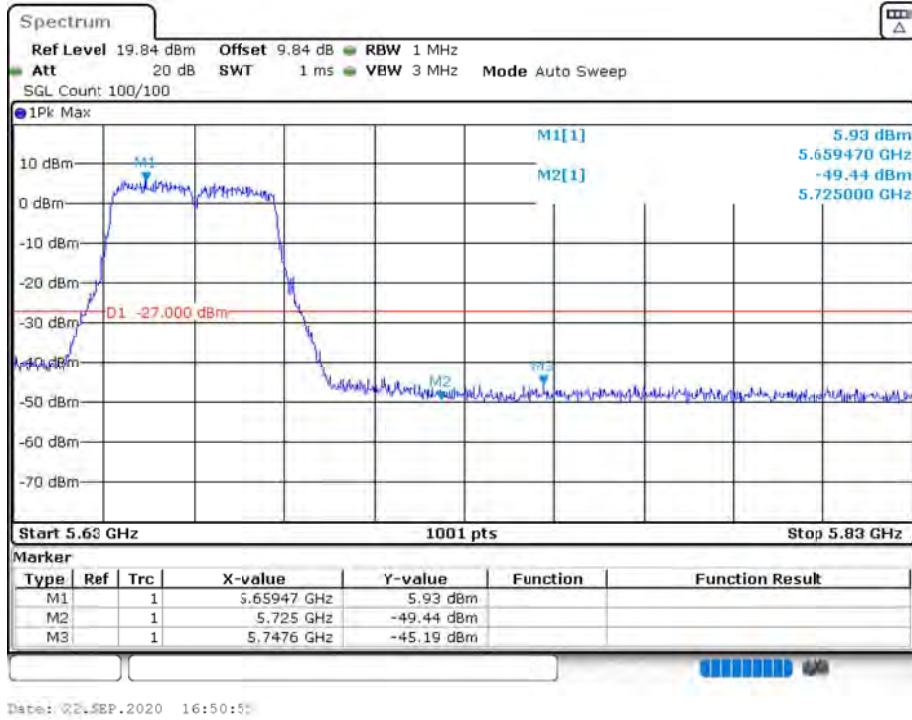
Date: 22.SEP.2020 15:12:4

Band Edge NVNT 802.11ac40 5510MHz Low Ant1

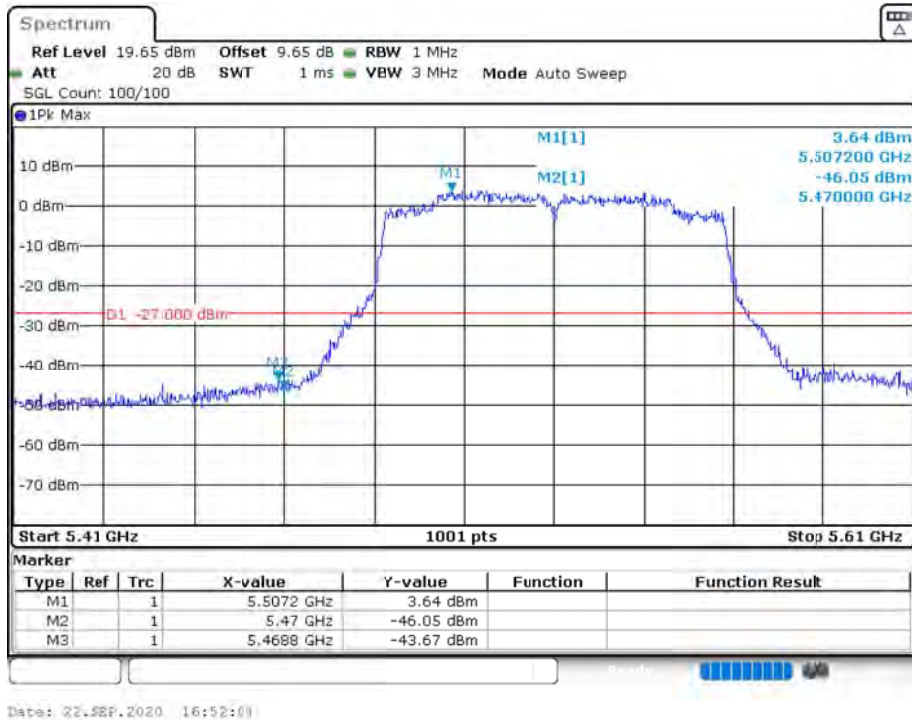


Date: 22.SEP.2020 16:51:11

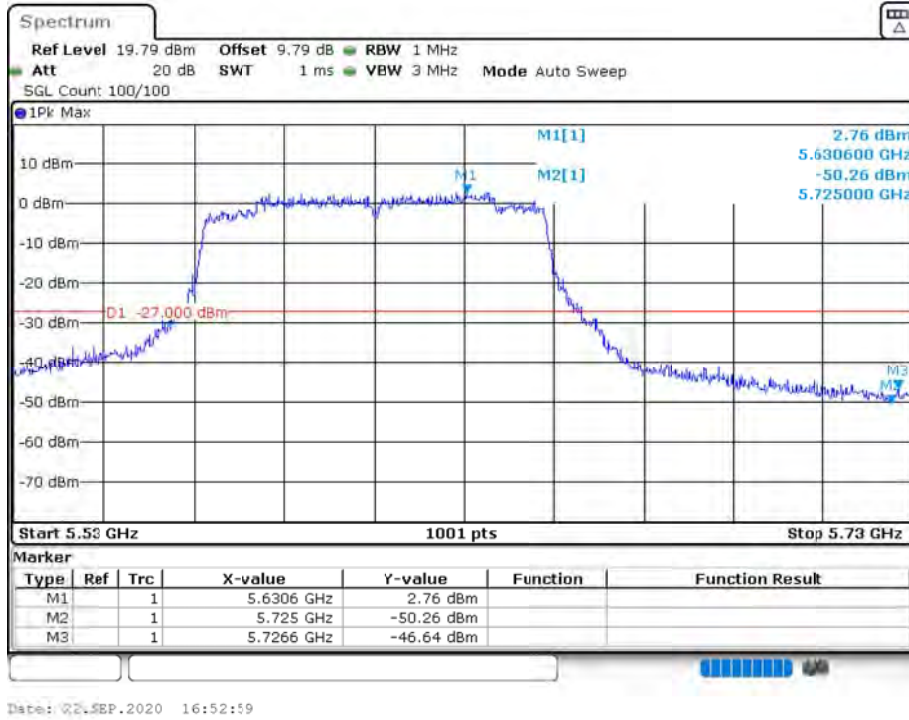
Band Edge NVNT 802.11ac40 5670MHz High Ant1



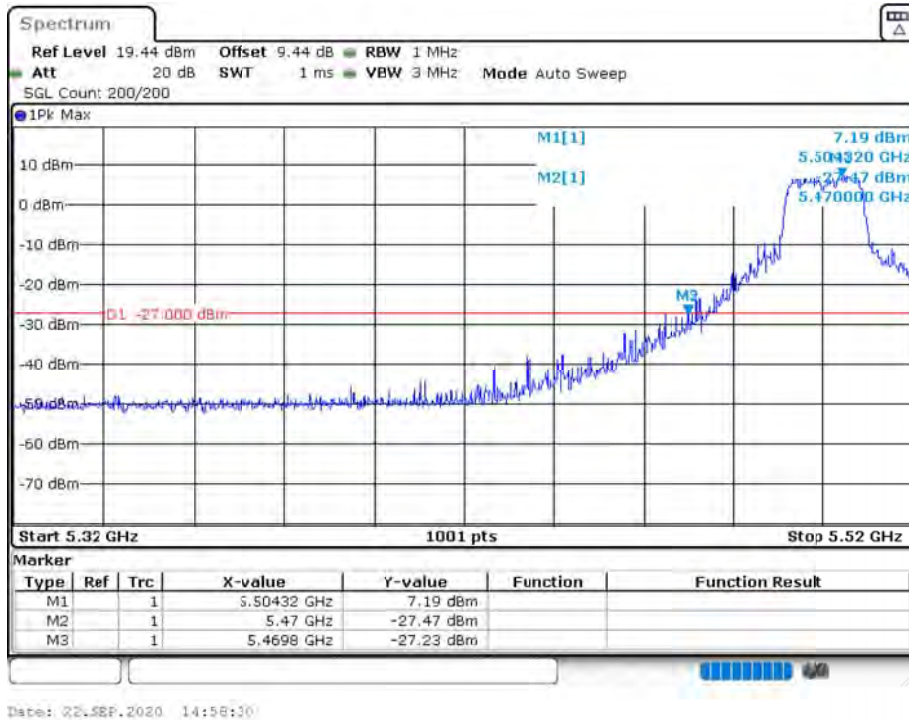
Band Edge NVNT 802.11ac80 5530MHz Low Ant1



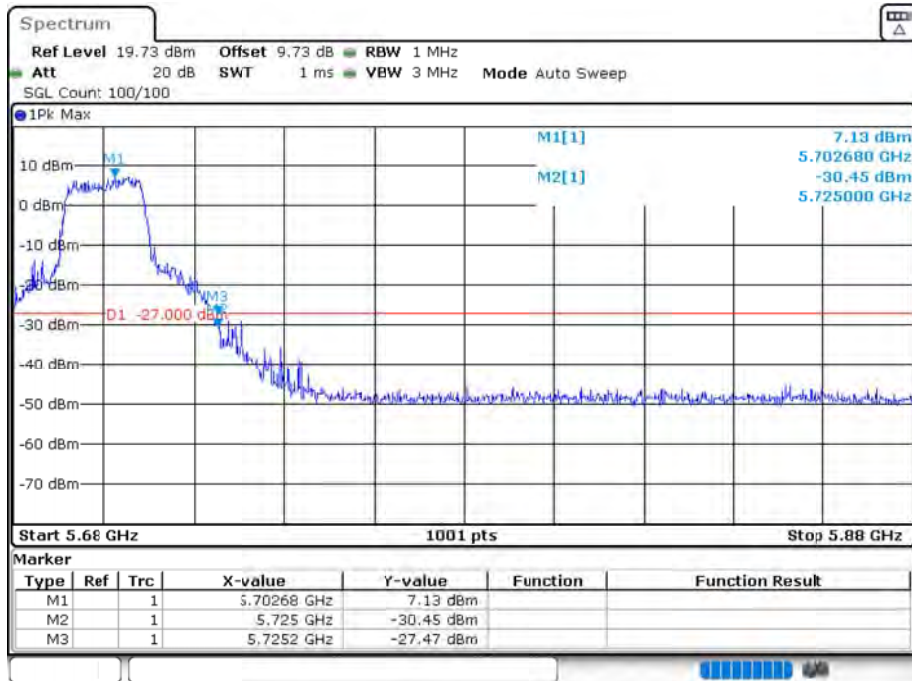
Band Edge NVNT 802.11ac80 5610MHz High Ant1



Band Edge NVNT 802.11n(HT20) 5500MHz Low Ant1

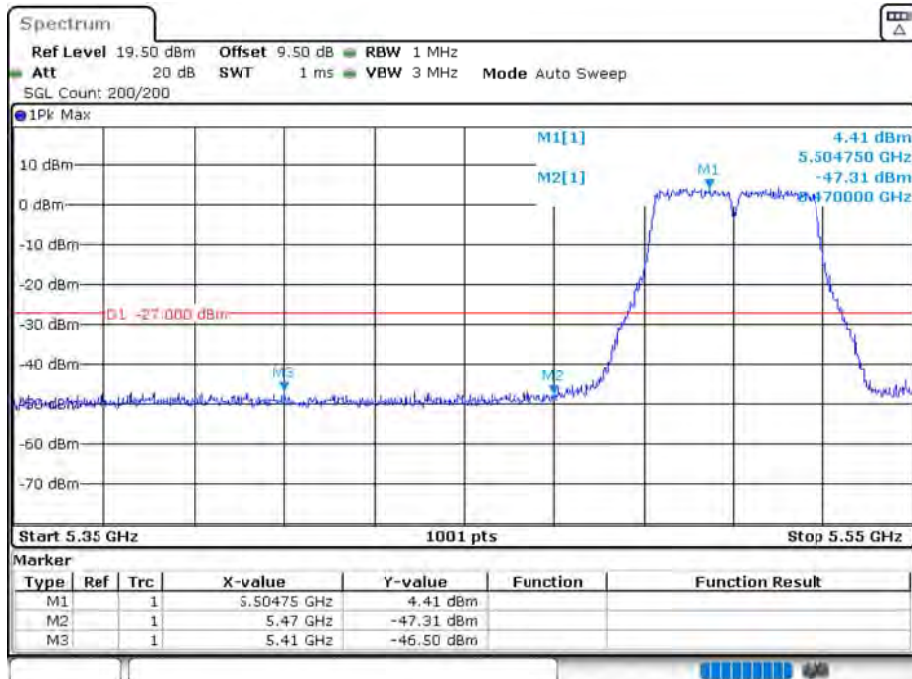


Band Edge NVNT 802.11n(HT20) 5700MHz High Ant1



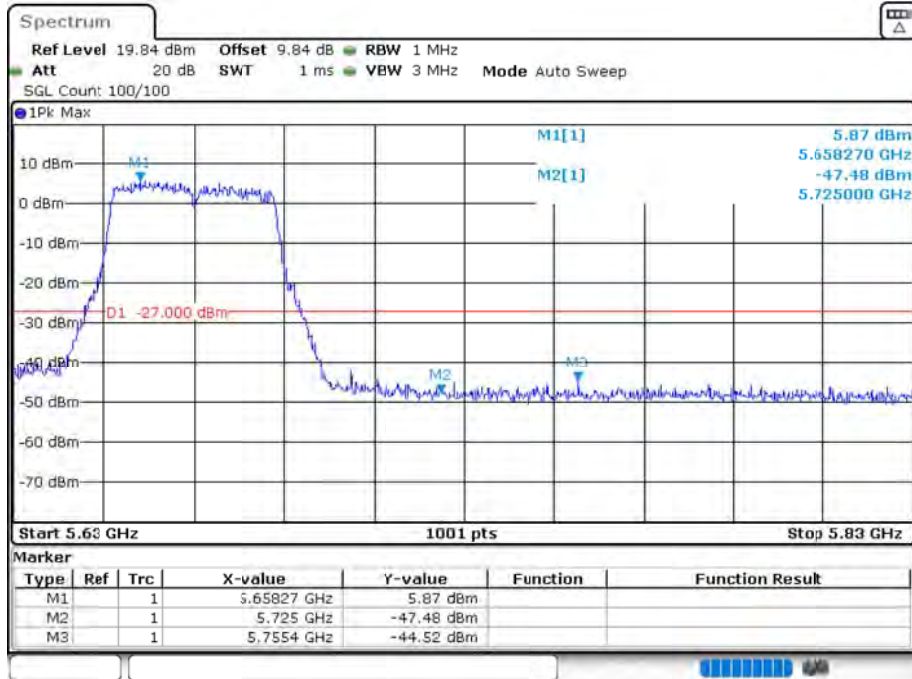
Date: 22.SEP.2020 15:03:59

Band Edge NVNT 802.11n(HT40) 5510MHz Low Ant1



Date: 22.SEP.2020 16:46:20

Band Edge NVNT 802.11n(HT40) 5670MHz High Ant1



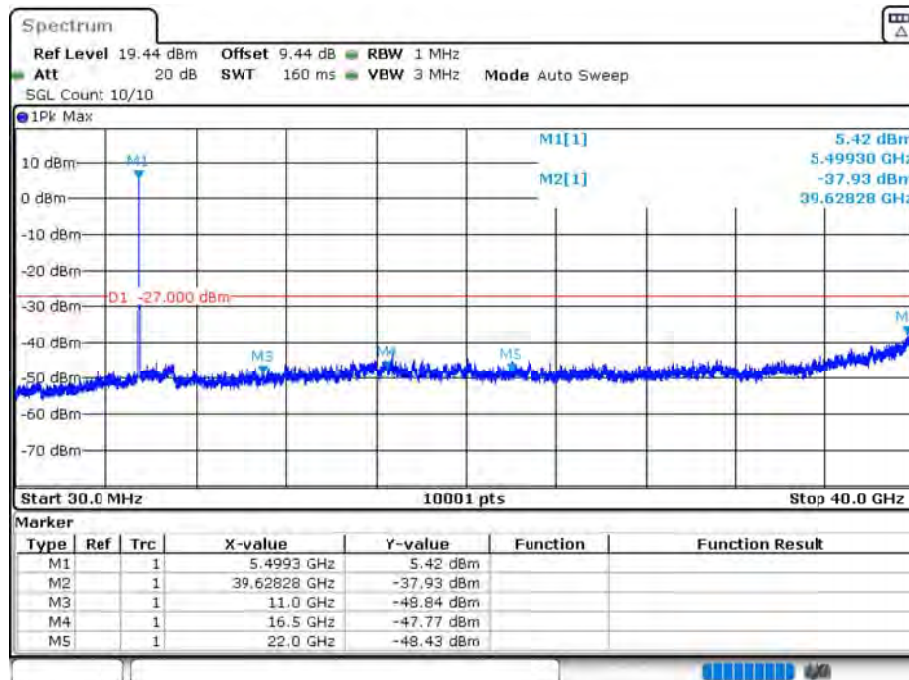
Date: 22 SEP 2020 16:48:50



**Conducted RF Spurious Emission**

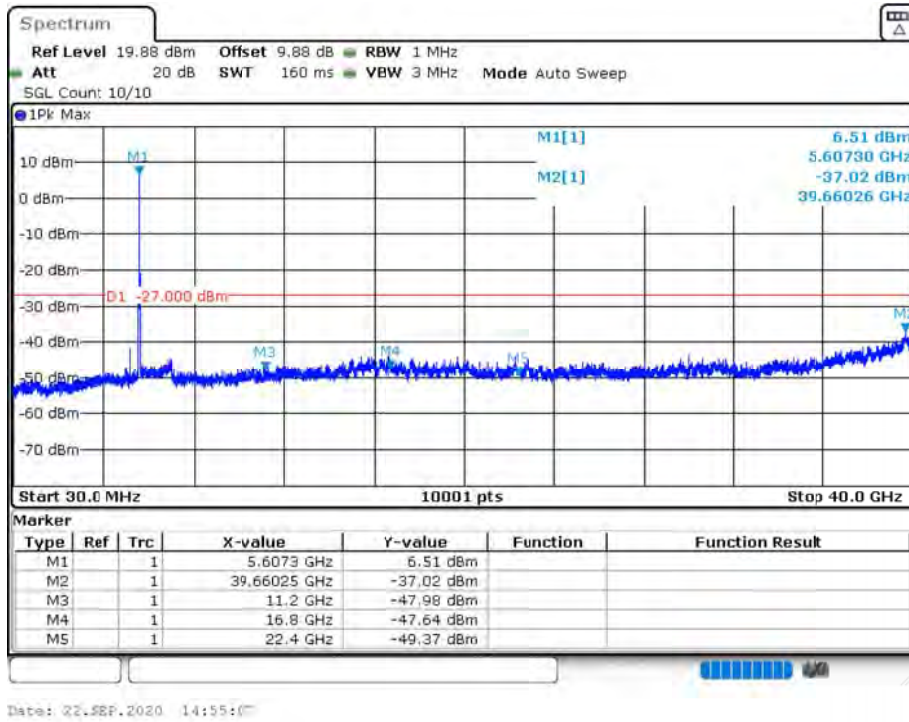
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5500	Ant 1	-37.92	-27	Pass
NVNT	802.11a	5600	Ant 1	-37.01	-27	Pass
NVNT	802.11a	5700	Ant 1	-37.69	-27	Pass
NVNT	802.11ac20	5500	Ant 1	-37.54	-27	Pass
NVNT	802.11ac20	5600	Ant 1	-37.1	-27	Pass
NVNT	802.11ac20	5700	Ant 1	-37.62	-27	Pass
NVNT	802.11ac40	5510	Ant 1	-37.49	-27	Pass
NVNT	802.11ac40	5590	Ant 1	-37.93	-27	Pass
NVNT	802.11ac40	5670	Ant 1	-37.79	-27	Pass
NVNT	802.11ac80	5530	Ant 1	-37.77	-27	Pass
NVNT	802.11ac80	5610	Ant 1	-38.14	-27	Pass
NVNT	802.11n(HT20)	5500	Ant 1	-38.3	-27	Pass
NVNT	802.11n(HT20)	5600	Ant 1	-37.47	-27	Pass
NVNT	802.11n(HT20)	5700	Ant 1	-37.93	-27	Pass
NVNT	802.11n(HT40)	5510	Ant 1	-36.6	-27	Pass
NVNT	802.11n(HT40)	5590	Ant 1	-37.13	-27	Pass
NVNT	802.11n(HT40)	5670	Ant 1	-37.76	-27	Pass

Tx. Spurious NVNT 802.11a 5500MHz Ant1 Emission

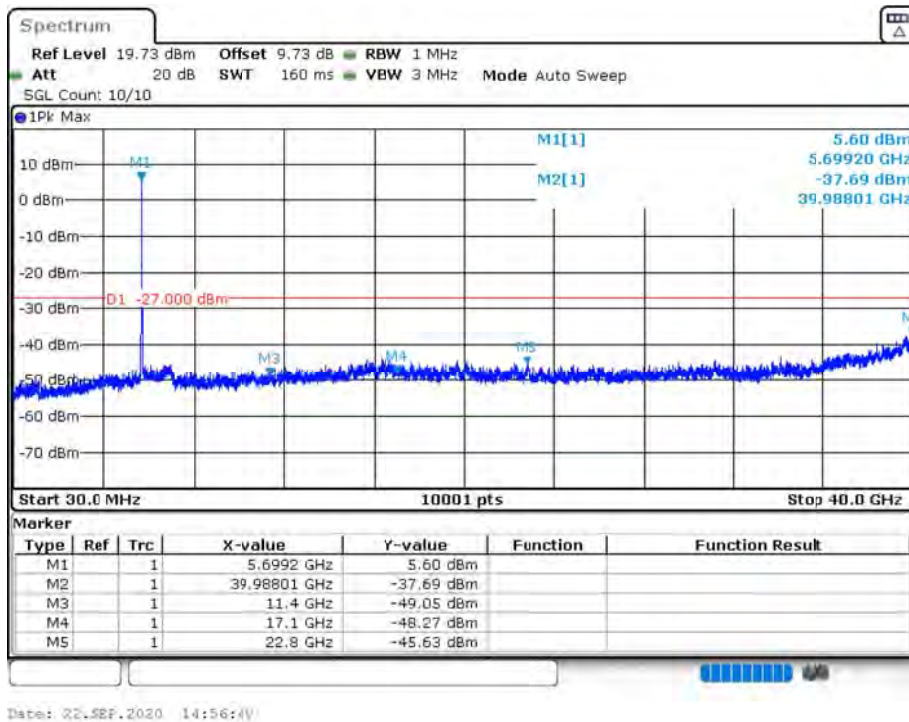


Date: 22-SEP-2020 14:49:35

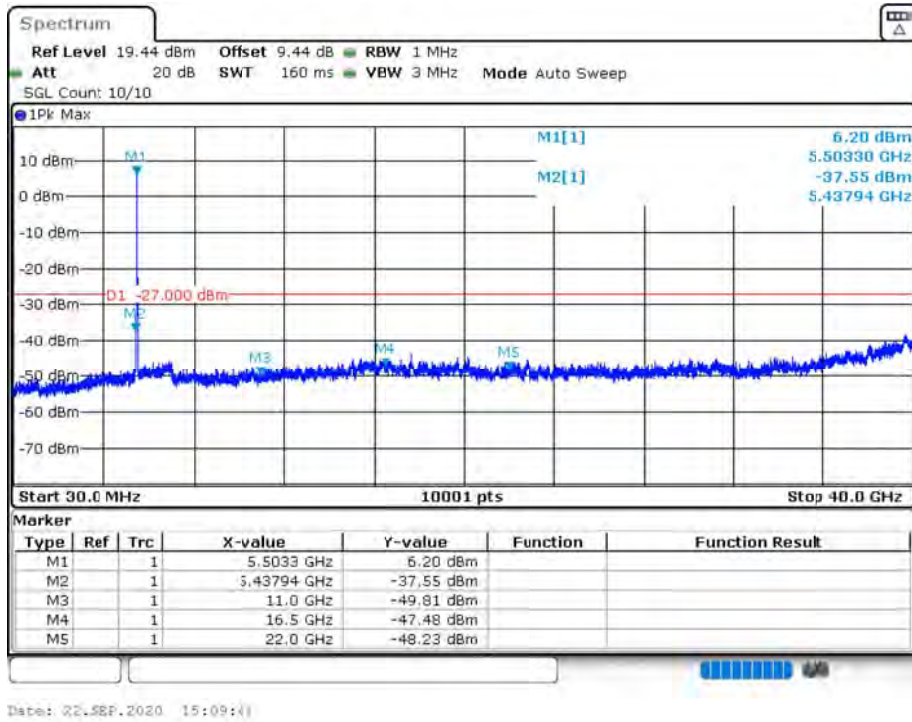
Tx. Spurious NVNT 802.11a 5600MHz Ant1 Emission



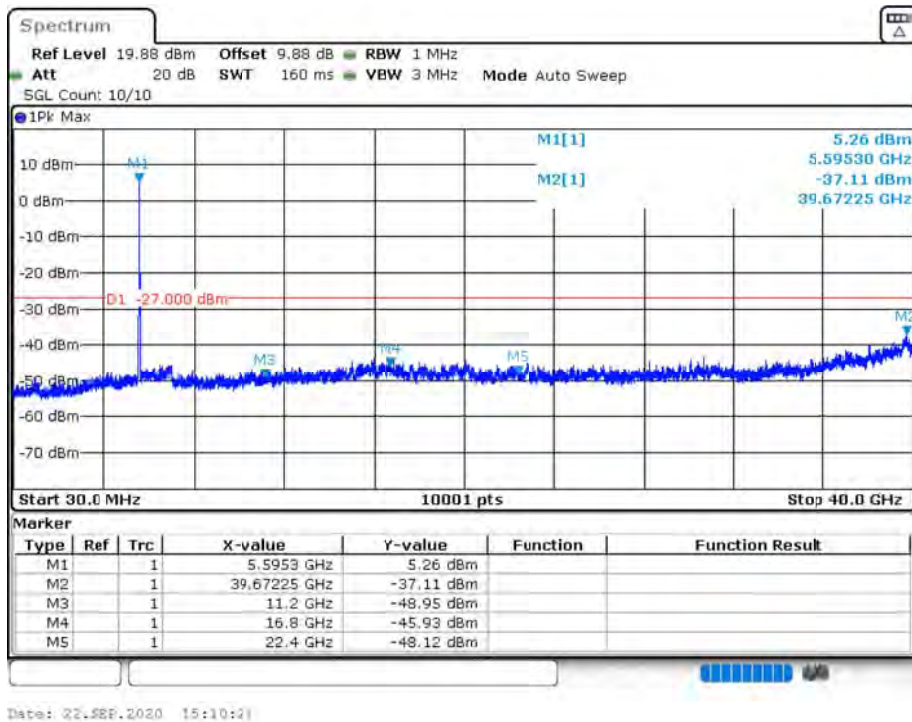
Tx. Spurious NVNT 802.11a 5700MHz Ant1 Emission



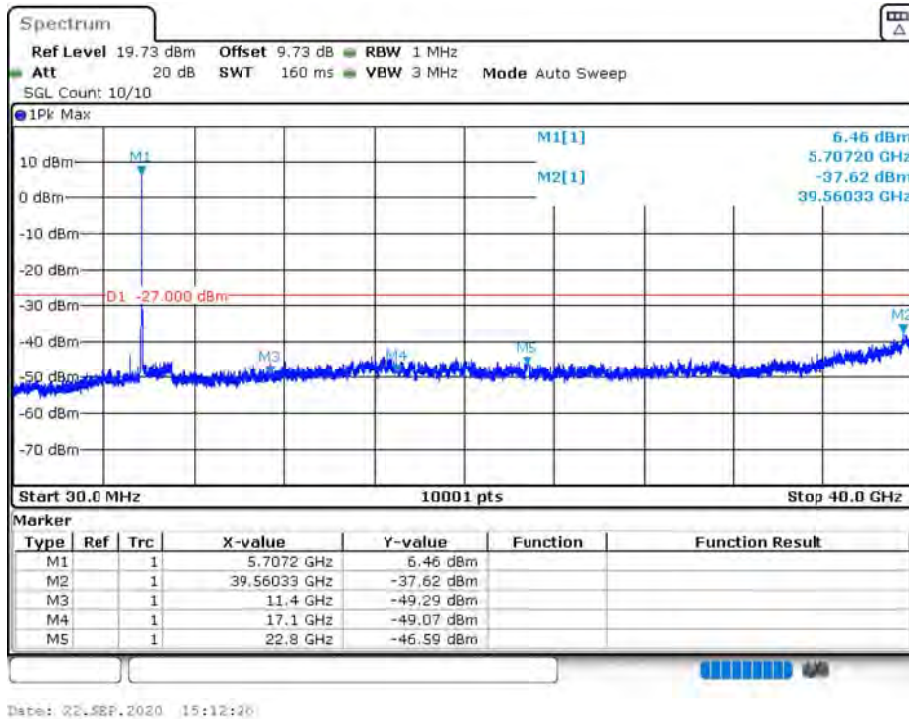
Tx. Spurious NVNT 802.11ac20 5500MHz Ant1 Emission



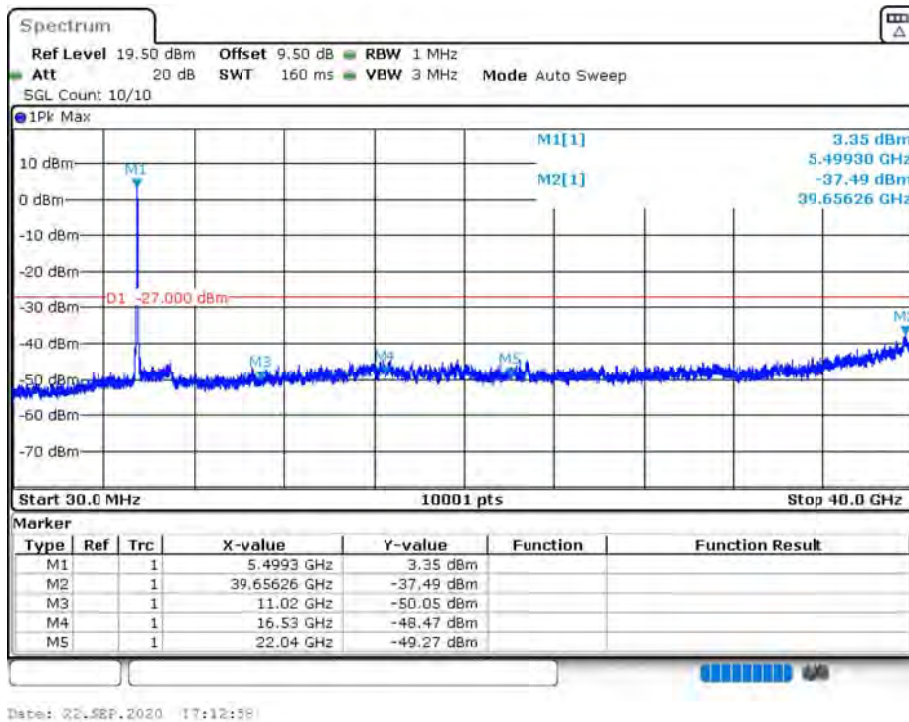
Tx. Spurious NVNT 802.11ac20 5600MHz Ant1 Emission



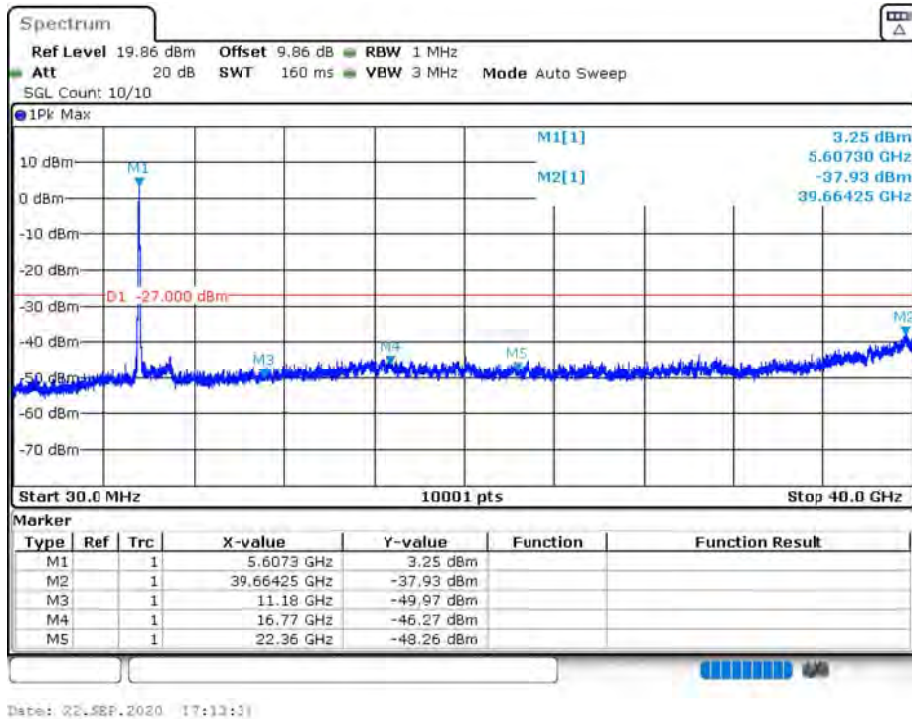
Tx. Spurious NVNT 802.11ac20 5700MHz Ant1 Emission



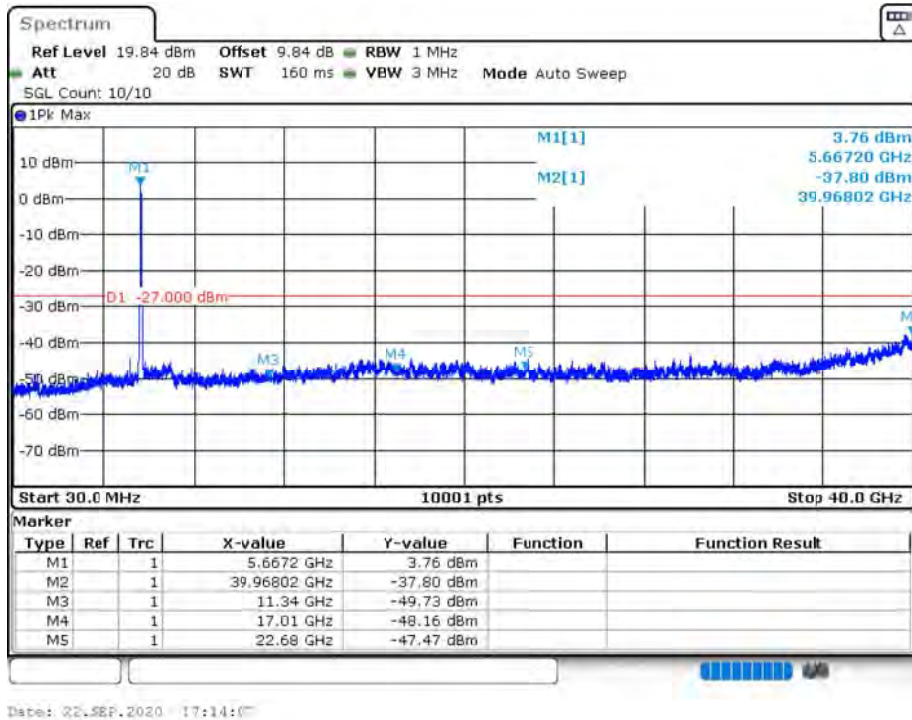
Tx. Spurious NVNT 802.11ac40 5510MHz Ant1 Emission



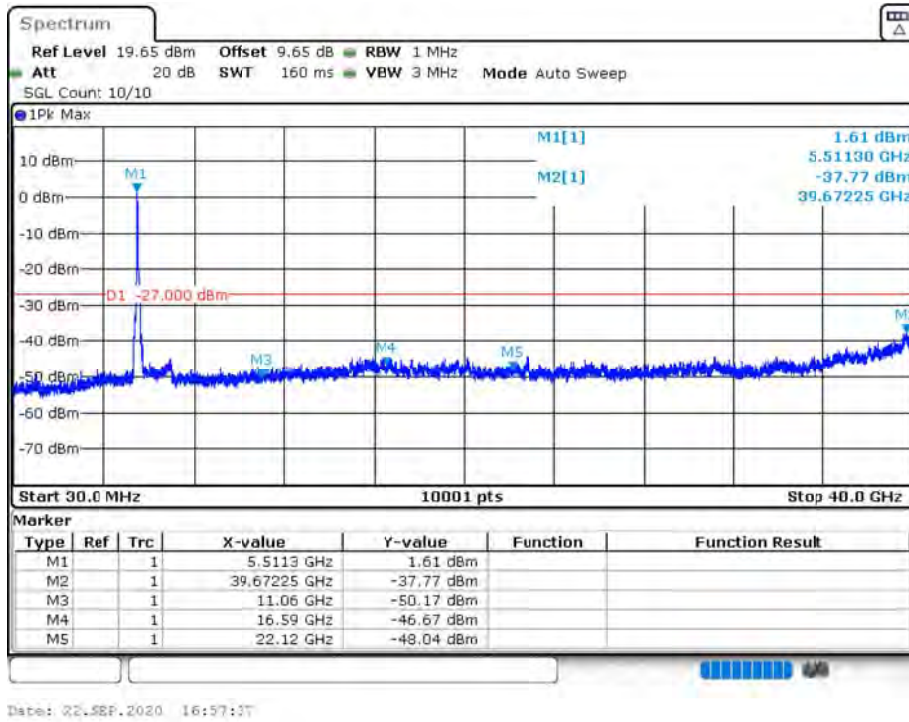
Tx. Spurious NVNT 802.11ac40 5590MHz Ant1 Emission



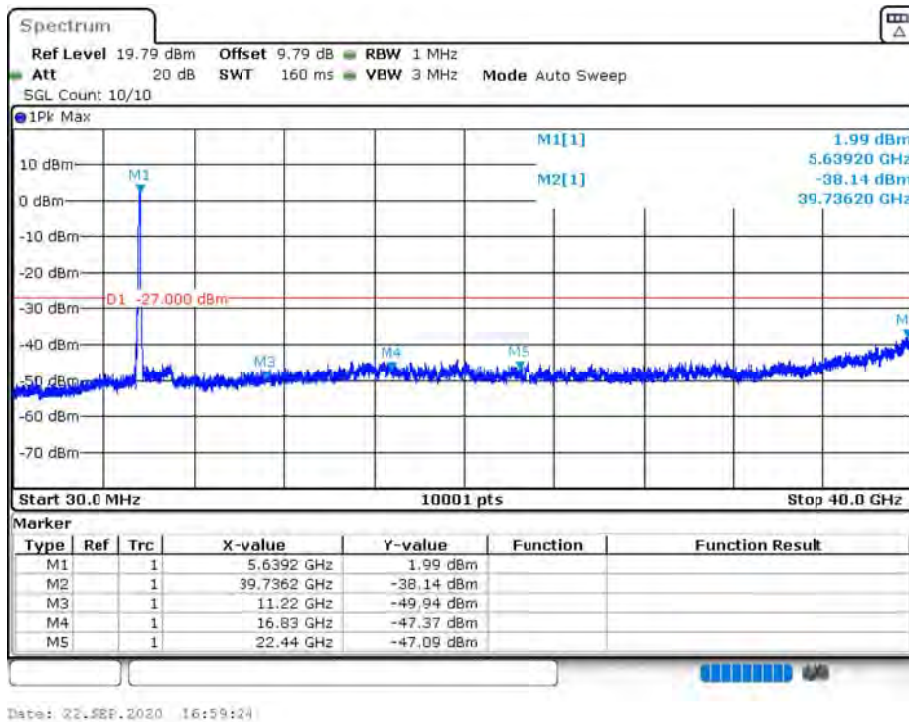
Tx. Spurious NVNT 802.11ac40 5670MHz Ant1 Emission



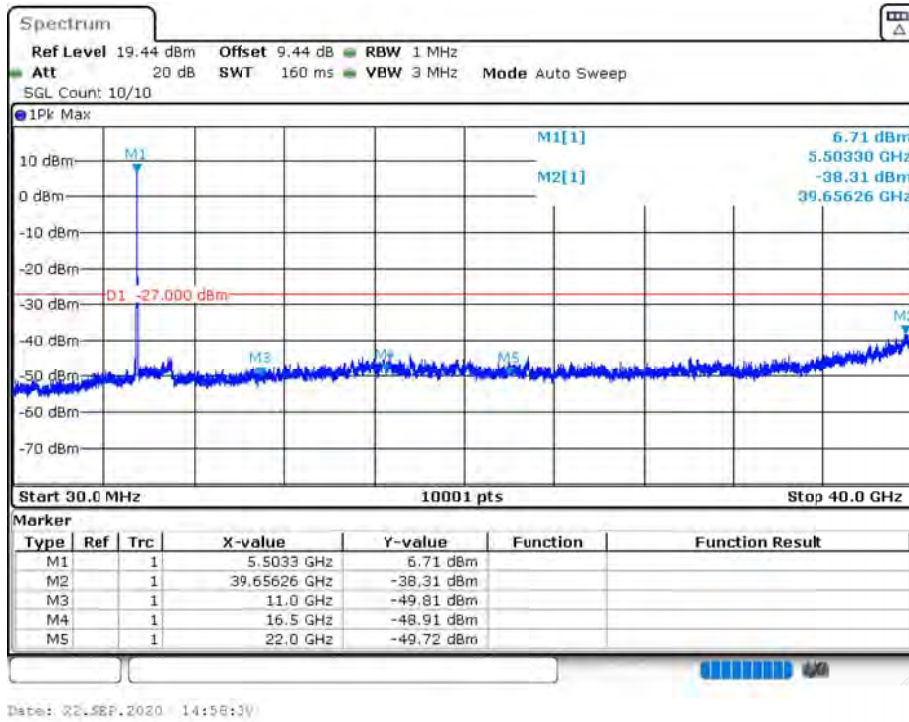
Tx. Spurious NVNT 802.11ac80 5530MHz Ant1 Emission



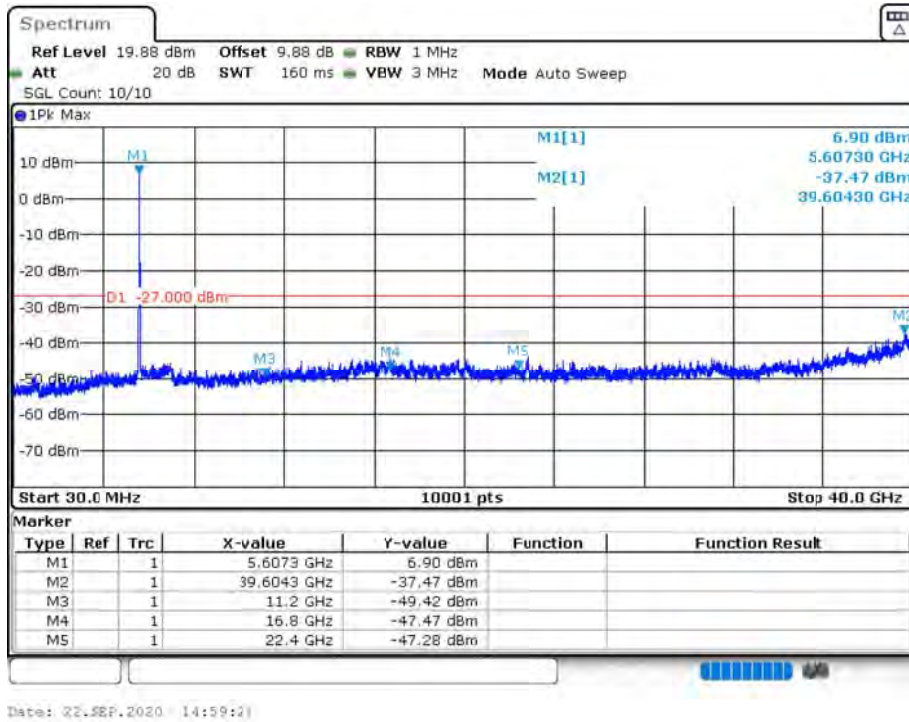
Tx. Spurious NVNT 802.11ac80 5610MHz Ant1 Emission



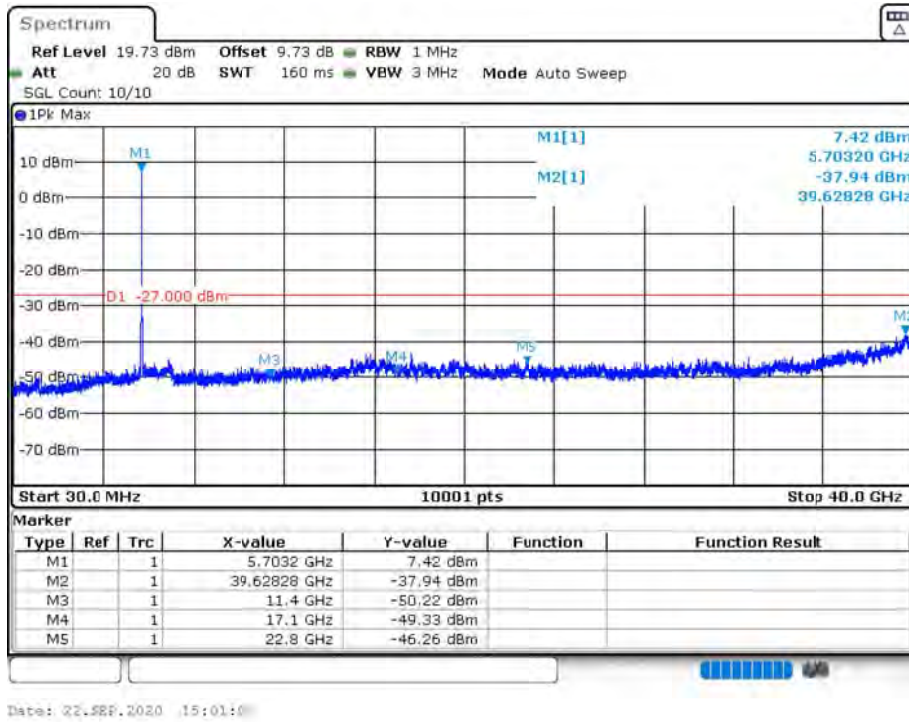
Tx. Spurious NVNT 802.11n(HT20) 5500MHz Ant1 Emission



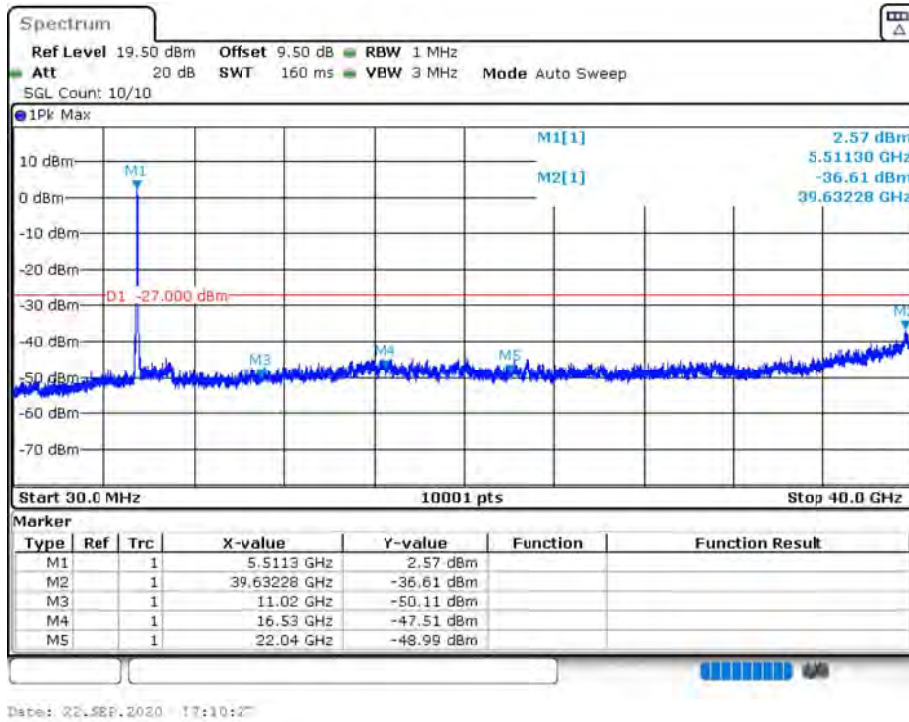
Tx. Spurious NVNT 802.11n(HT20) 5600MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5700MHz Ant1 Emission

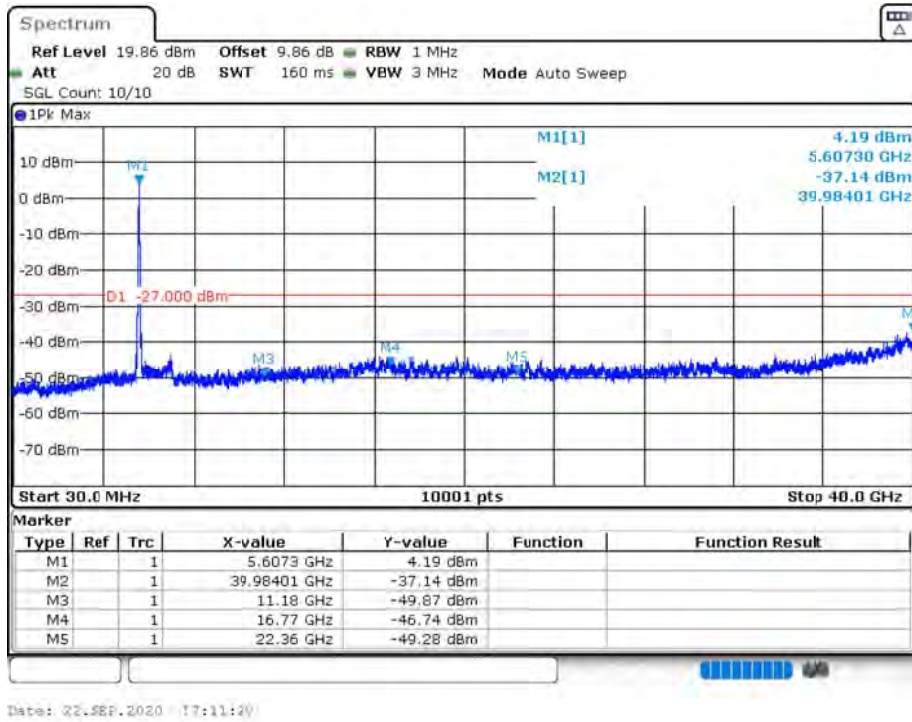


Tx. Spurious NVNT 802.11n(HT40) 5510MHz Ant1 Emission

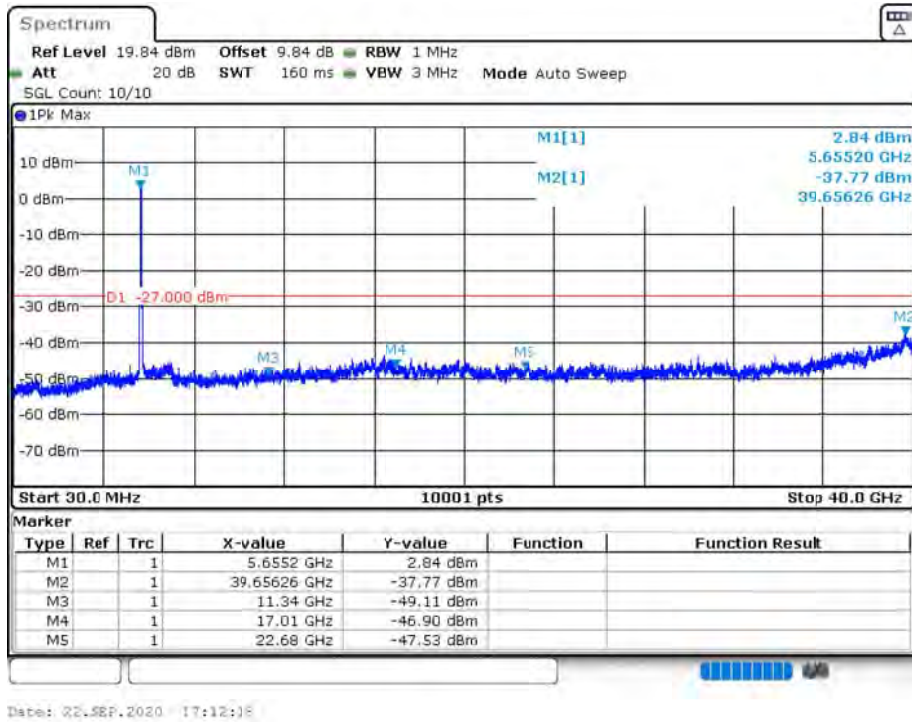




Tx. Spurious NVNT 802.11n(HT40) 5590MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5670MHz Ant1 Emission



5.8G:

**Duty Cycle**

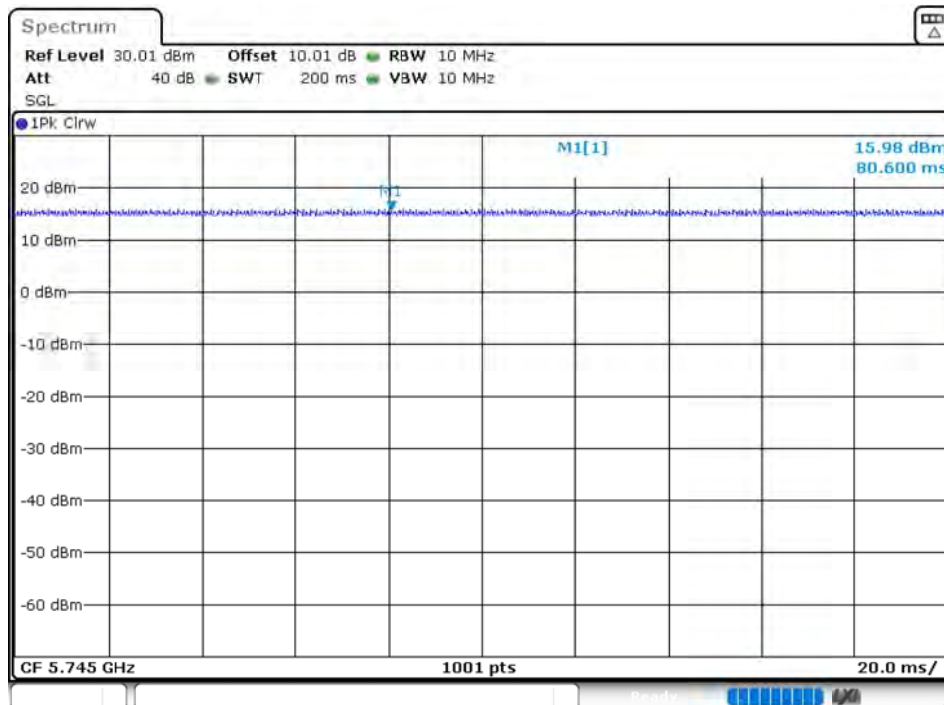
Antenna	Condition	Mode	Frequency (MHz)	Duty Cycle (%)
Ant 1	NVNT	802.11a	5745	100
Ant 1	NVNT	802.11a	5785	100
Ant 1	NVNT	802.11a	5825	100
Ant 1	NVNT	802.11ac20	5745	100
Ant 1	NVNT	802.11ac20	5785	100
Ant 1	NVNT	802.11ac20	5825	100
Ant 1	NVNT	802.11ac40	5755	100
Ant 1	NVNT	802.11ac40	5795	100
Ant 1	NVNT	802.11ac80	5775	100
Ant 1	NVNT	802.11n(HT20)	5745	100
Ant 1	NVNT	802.11n(HT20)	5785	100
Ant 1	NVNT	802.11n(HT20)	5825	100
Ant 1	NVNT	802.11n(HT40)	5755	100
Ant 1	NVNT	802.11n(HT40)	5795	100

Duty Cycle=Ton/(Ton+Toff)

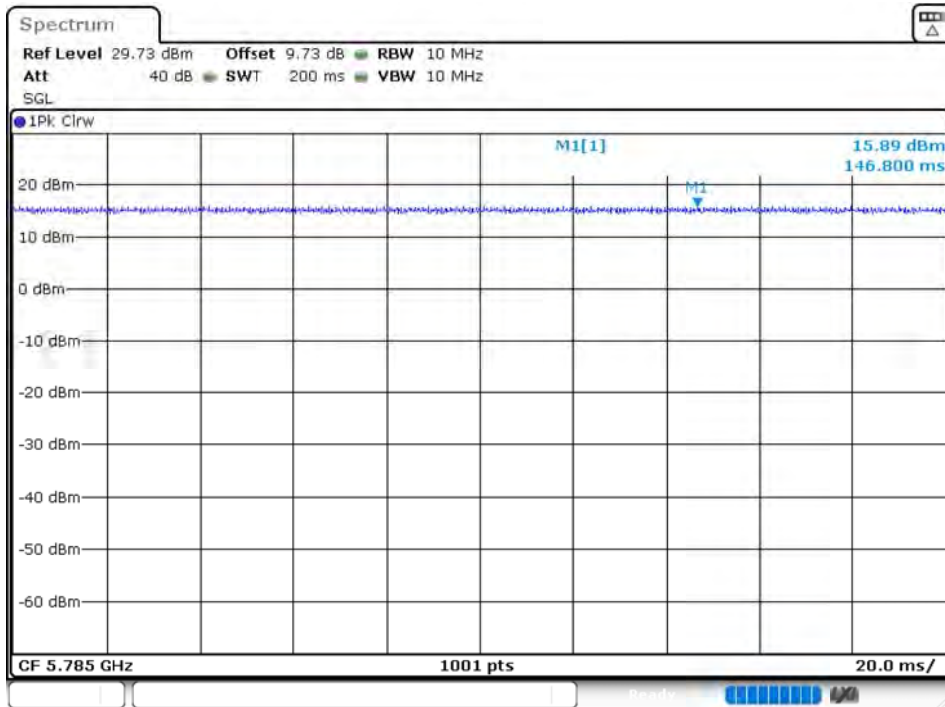
Correction Factor = 10 log(1/x),

x = the duty cycle

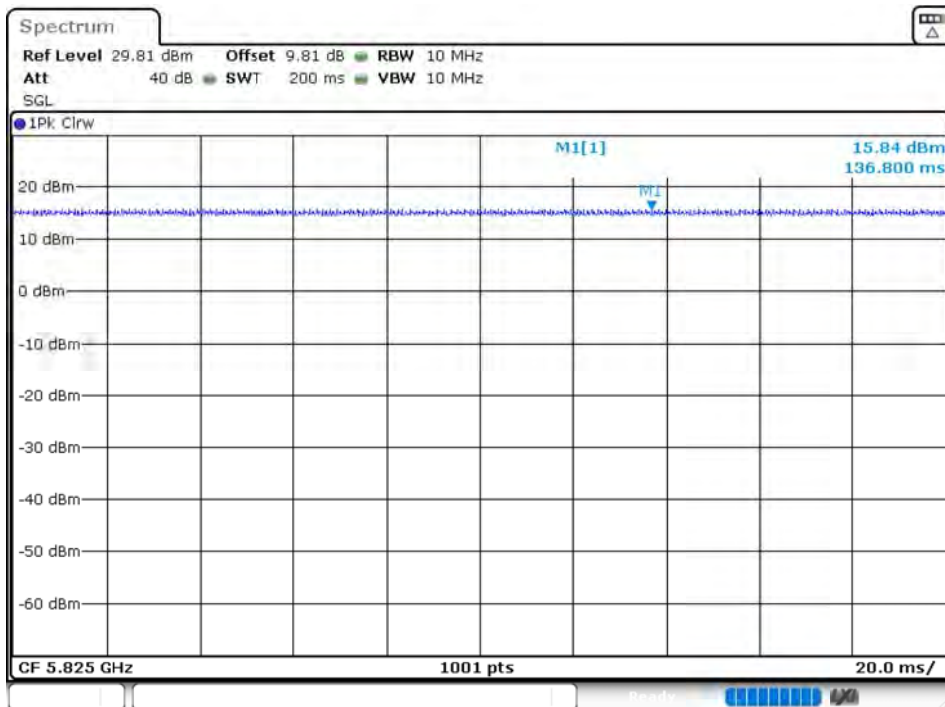
Duty Cycle NVNT 802.11a 5745MHz Ant 1



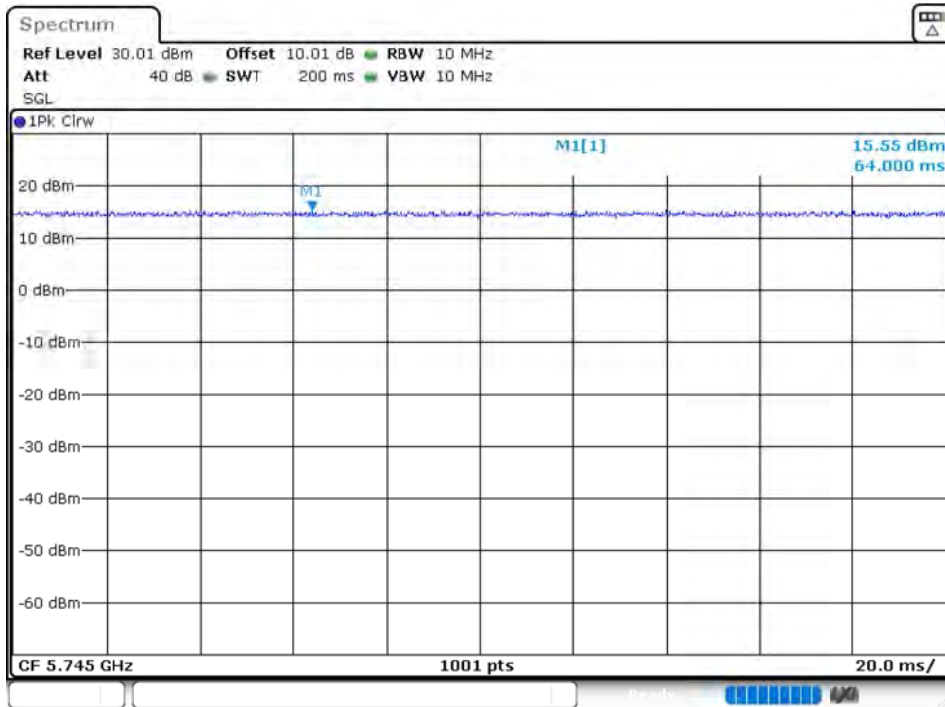
Duty Cycle NVNT 802.11a 5785MHz Ant 1



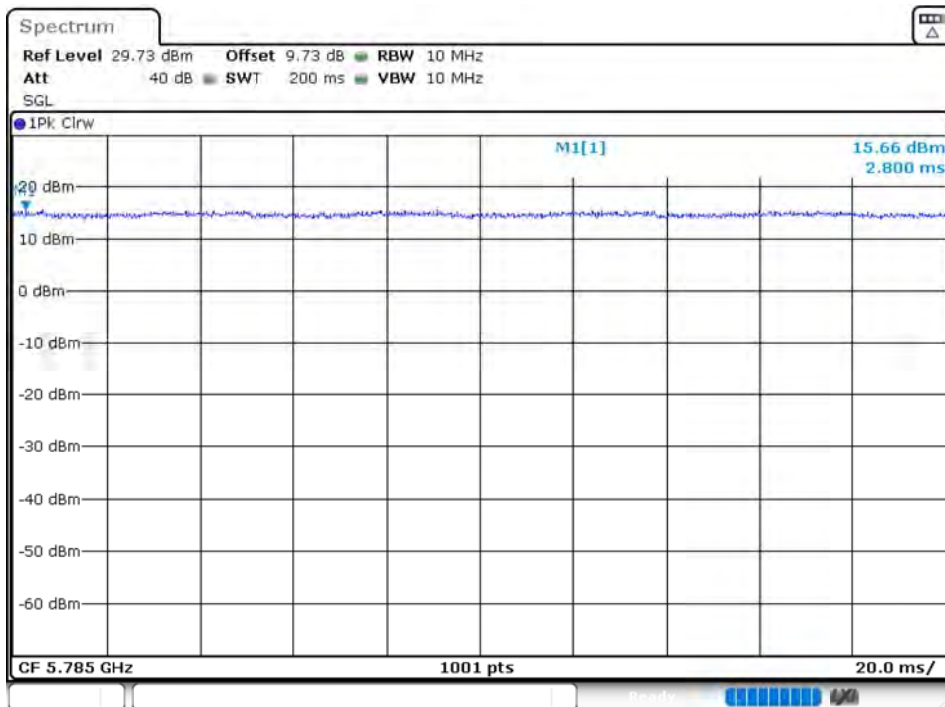
Duty Cycle NVNT 802.11a 5825MHz Ant 1



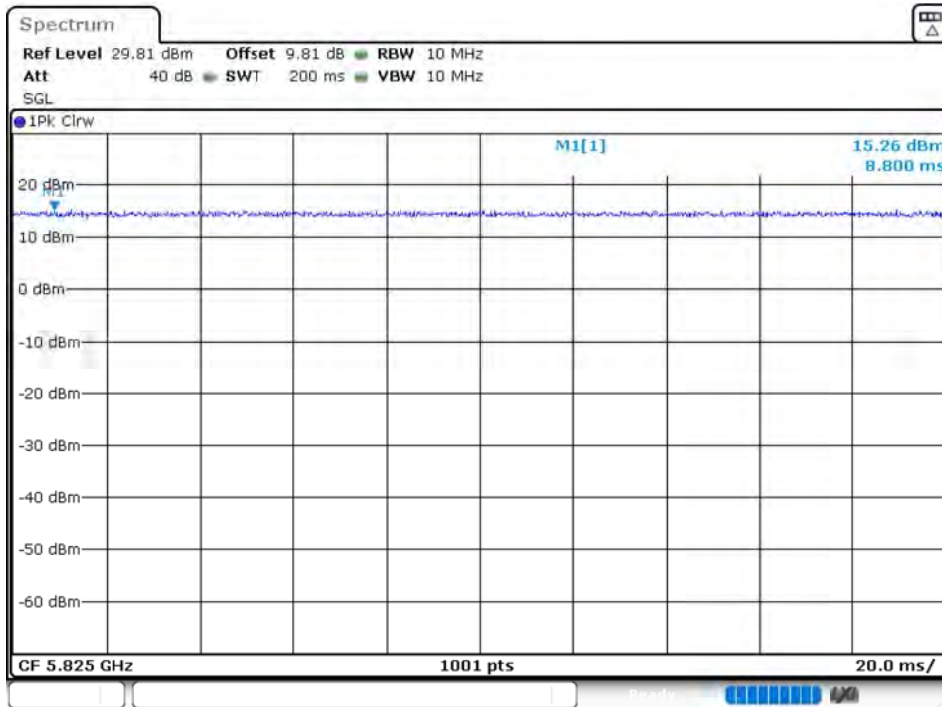
Duty Cycle NVNT 802.11ac20 5745MHz Ant 1



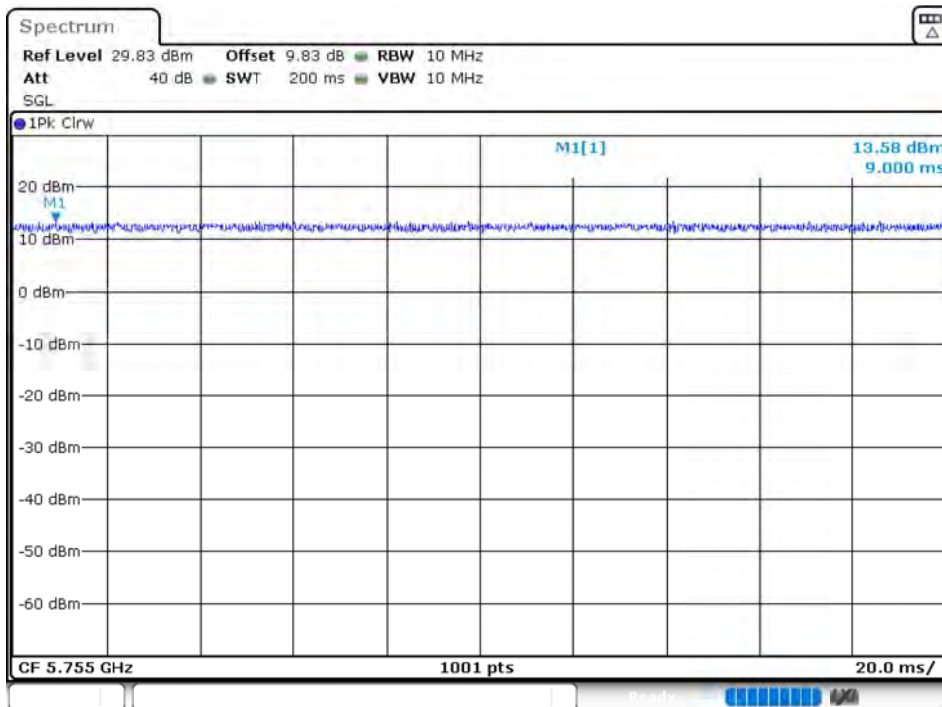
Duty Cycle NVNT 802.11ac20 5785MHz Ant 1



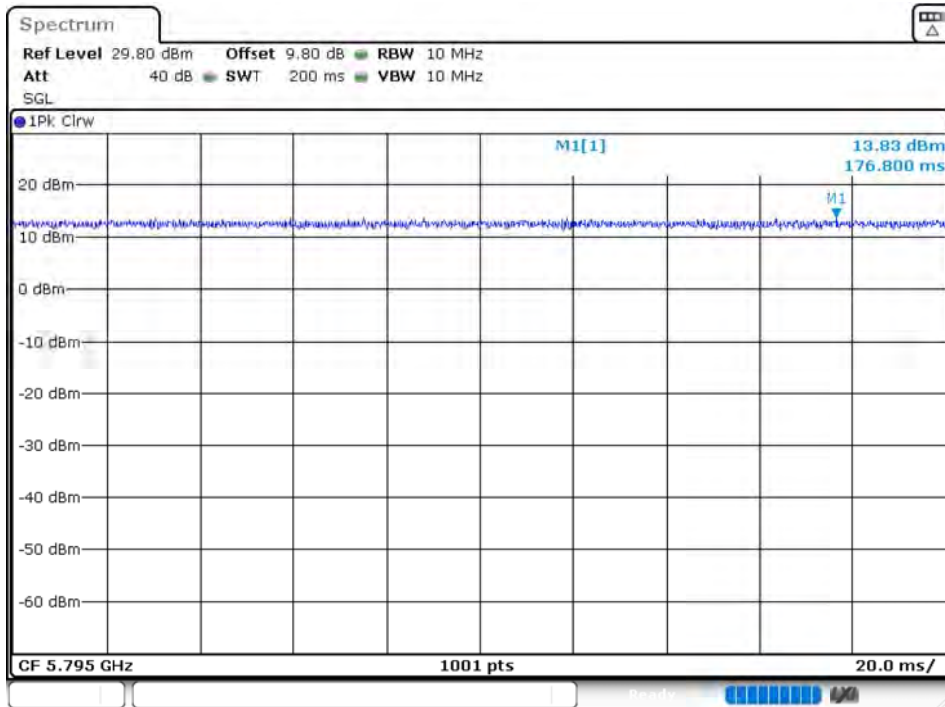
Duty Cycle NVNT 802.11ac20 5825MHz Ant 1



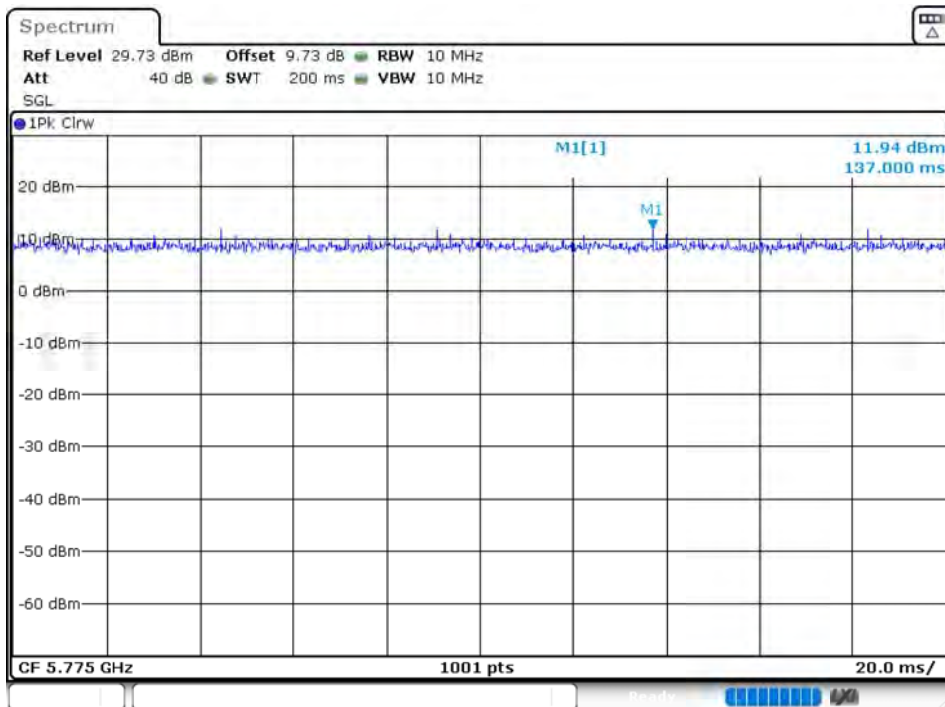
Duty Cycle NVNT 802.11ac40 5755MHz Ant 1



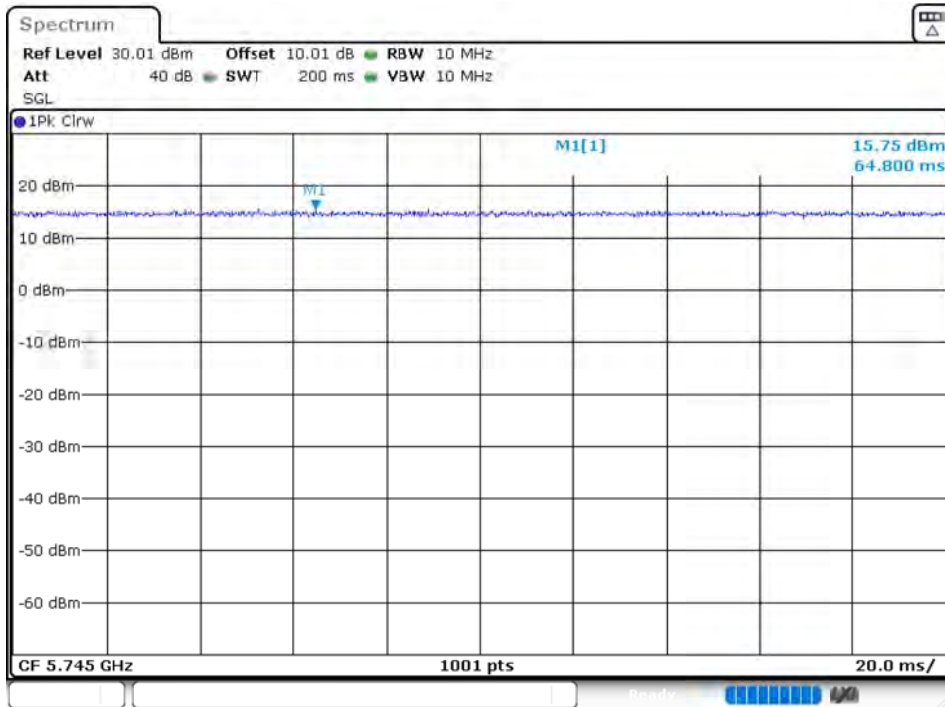
Duty Cycle NVNT 802.11ac40 5795MHz Ant 1



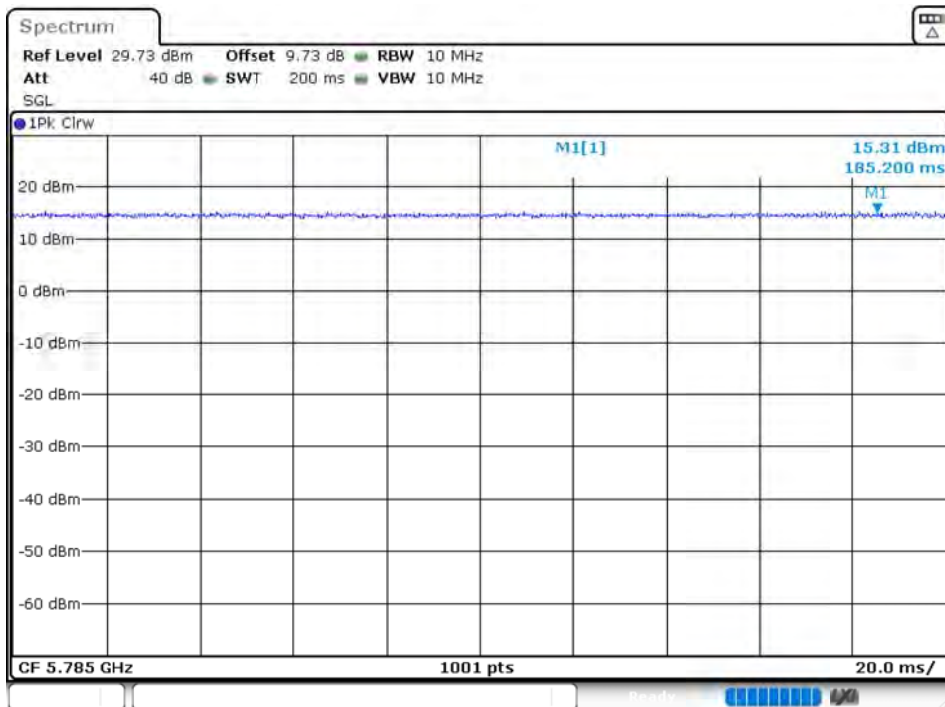
Duty Cycle NVNT 802.11ac80 5775MHz Ant 1



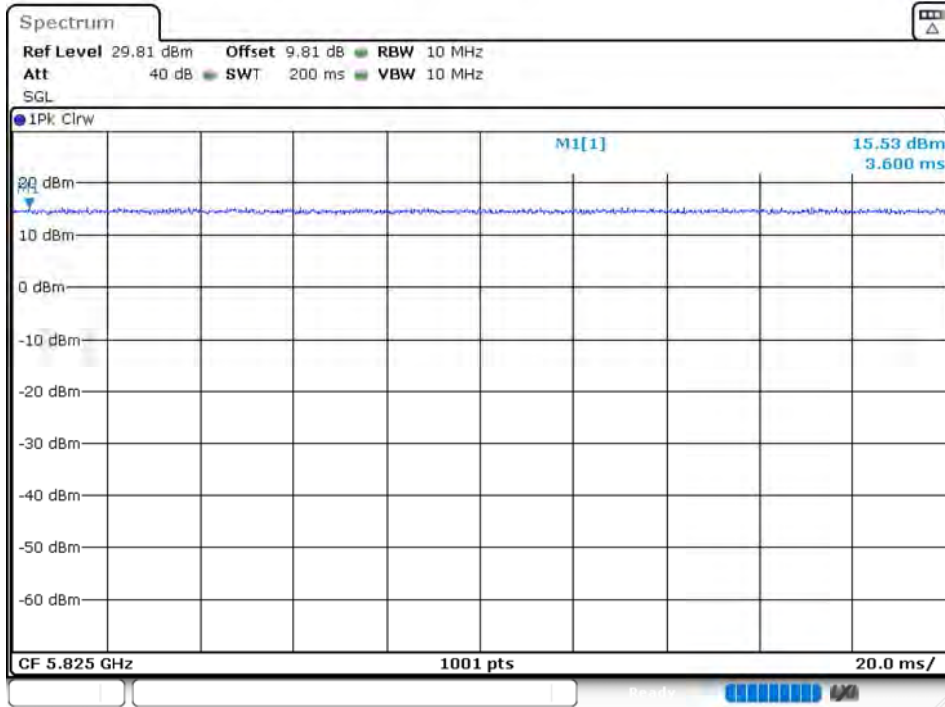
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 1



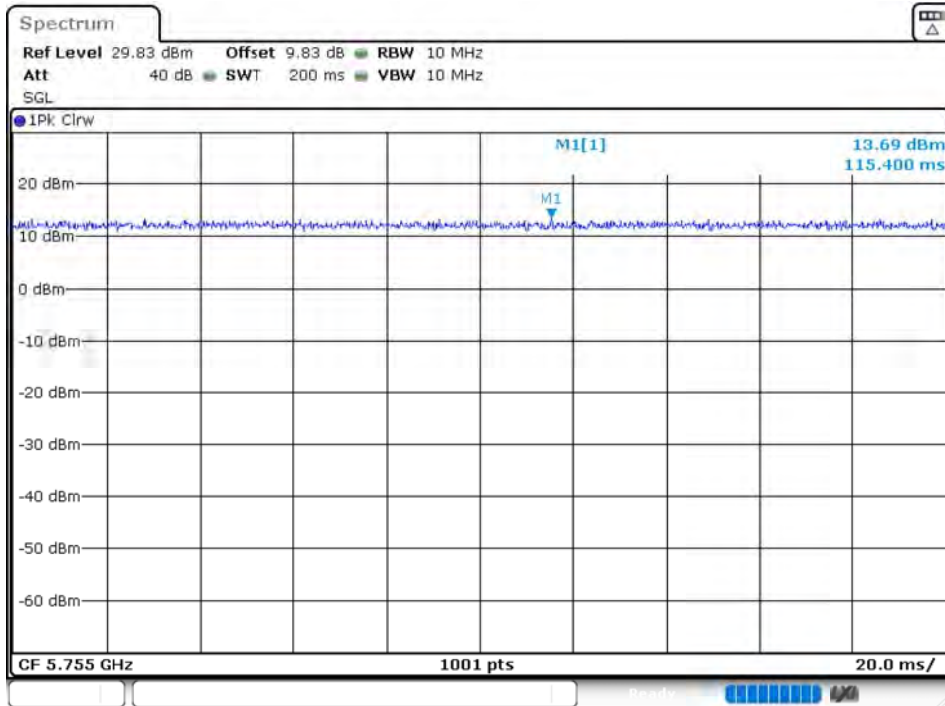
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 1



Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 1

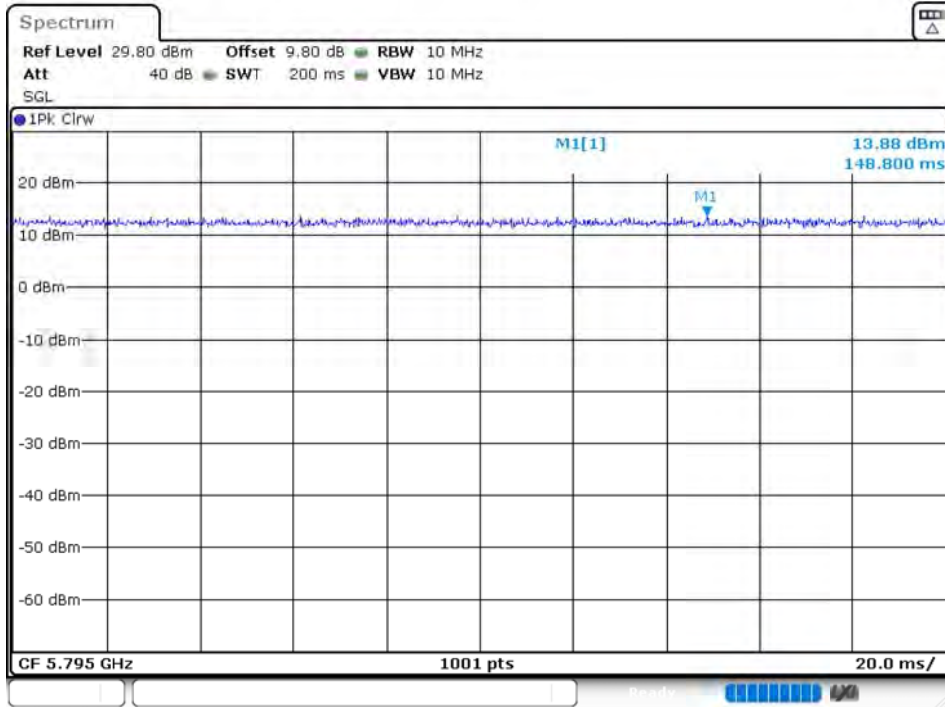


Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 1





Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 1



**Maximum Conducted Output Power**

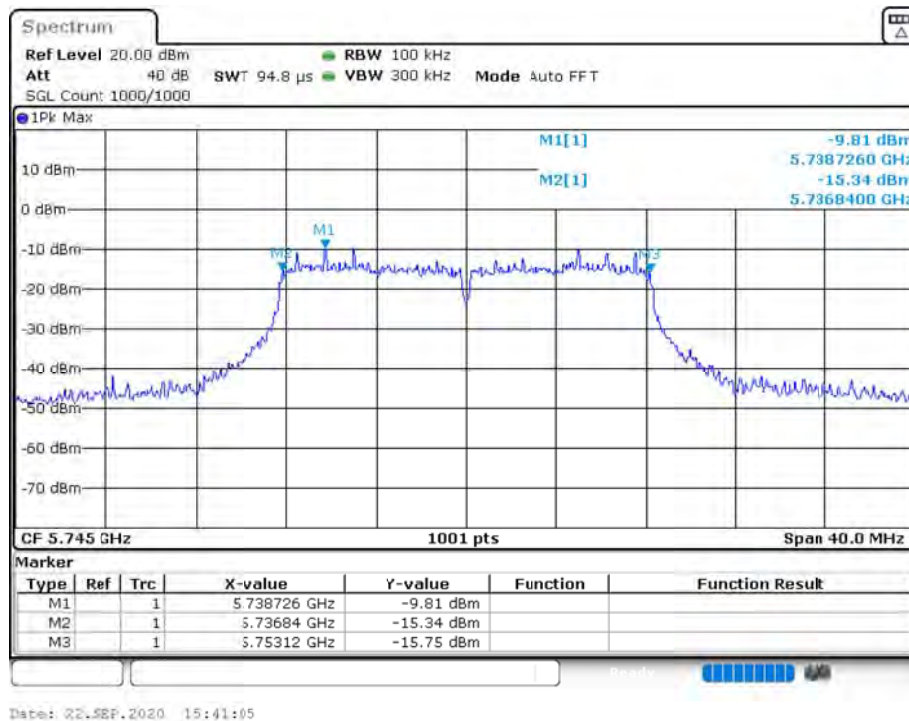
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.61	0	9.61	30	Pass
NVNT	802.11a	5785	Ant 1	9.6	0	9.6	30	Pass
NVNT	802.11a	5825	Ant 1	9.38	0	9.38	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.37	0	9.37	30	Pass
NVNT	802.11ac20	5785	Ant 1	9.44	0	9.44	30	Pass
NVNT	802.11ac20	5825	Ant 1	9.32	0	9.32	30	Pass
NVNT	802.11ac40	5755	Ant 1	8.91	0	8.91	30	Pass
NVNT	802.11ac40	5795	Ant 1	8.88	0	8.88	30	Pass
NVNT	802.11ac80	5775	Ant 1	8.94	0	8.94	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	9.51	0	9.51	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	9.46	0	9.46	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.4	0	9.4	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	8.97	0	8.97	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	8.92	0	8.92	30	Pass

Total Power= Conducted Power+ Duty Factor

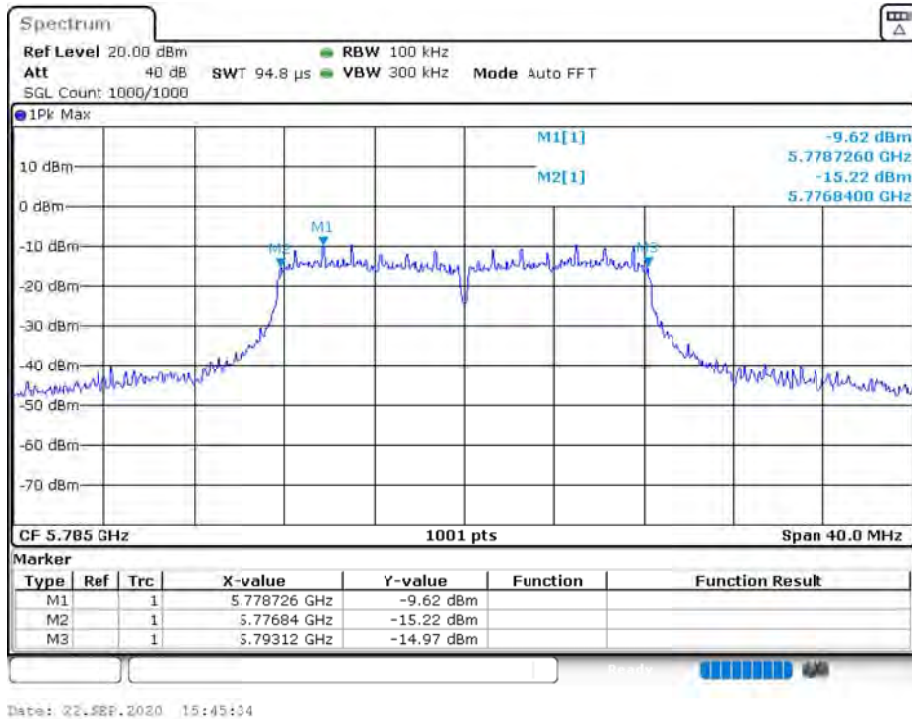
**-6dB Emission Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.28	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.28	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.28	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	16.68	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	16.52	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	16.56	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.12	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	35.12	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.2	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	16.28	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	16.68	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	16.88	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.2	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.12	0.5	Pass

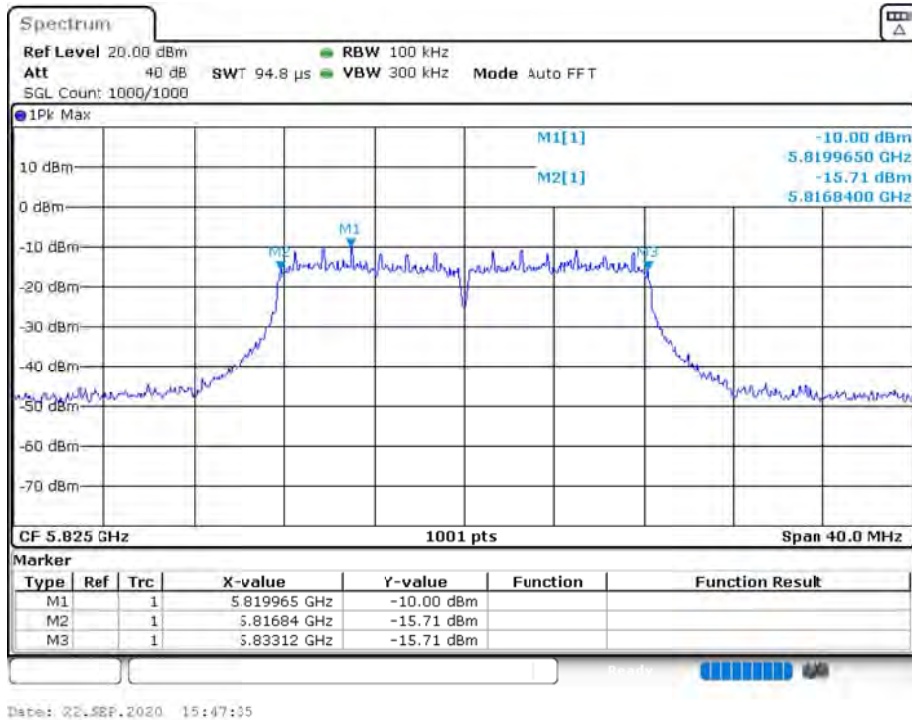
EBW NVNT 802.11a 5745MHz Ant1



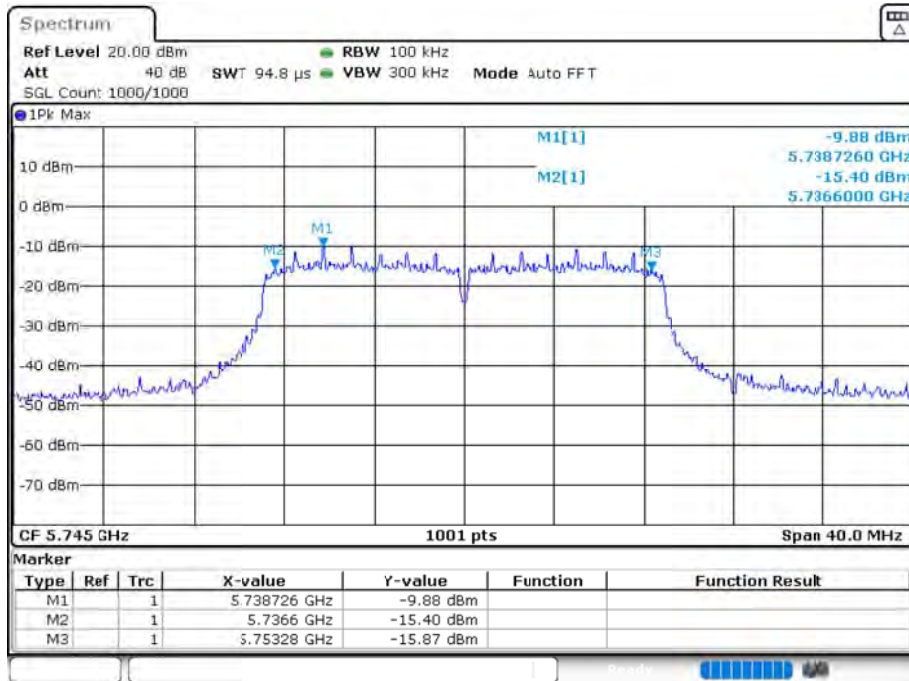
EBW NVNT 802.11a 5785MHz Ant1



EBW NVNT 802.11a 5825MHz Ant1

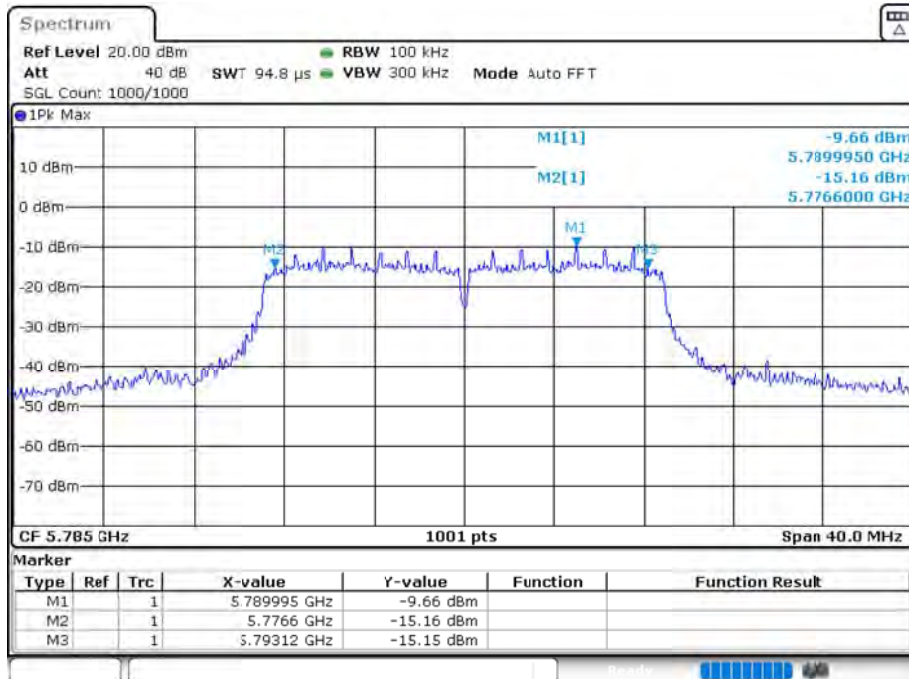


EBW NVNT 802.11ac20 5745MHz Ant1



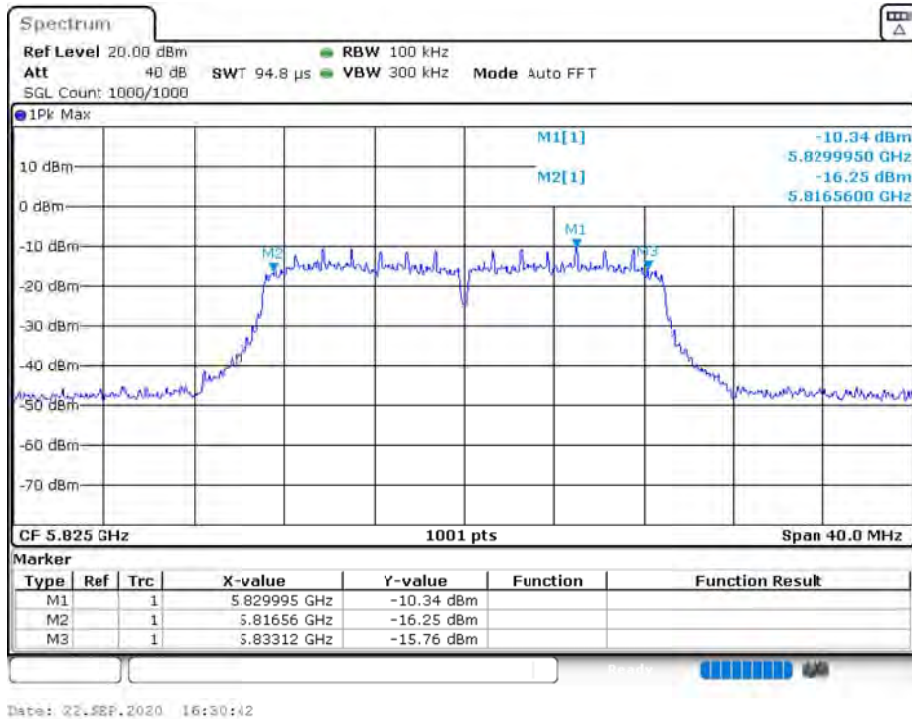
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EBW NVNT 802.11ac20 5785MHz Ant1

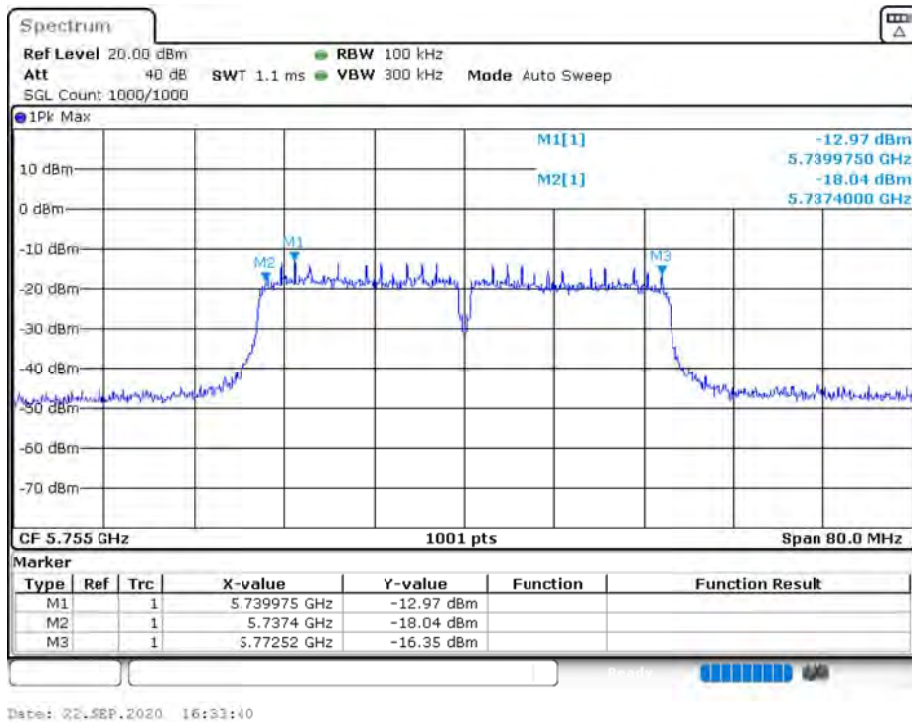


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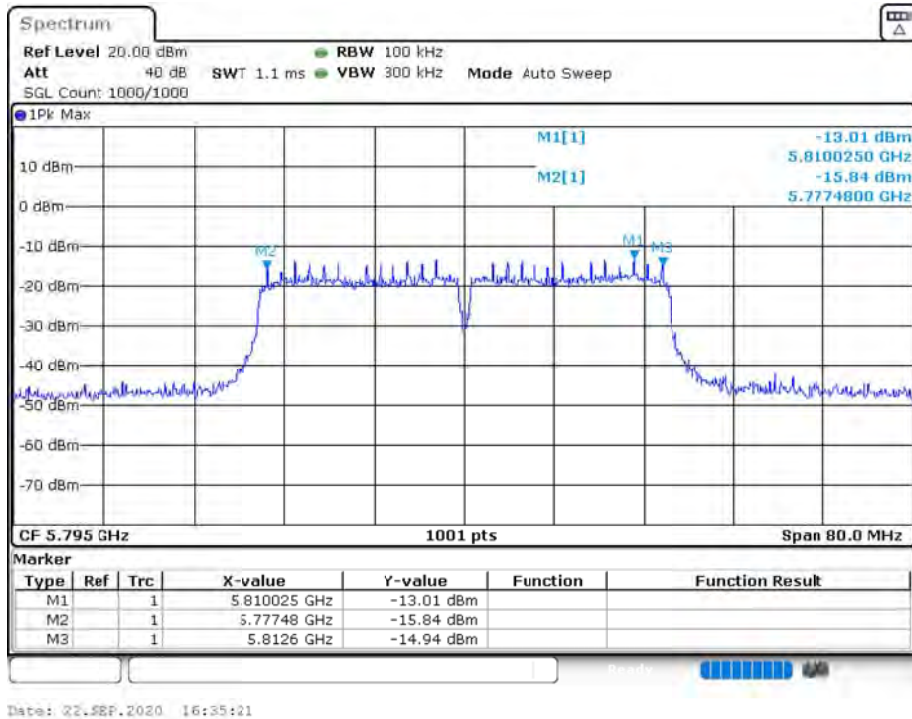
EBW NVNT 802.11ac20 5825MHz Ant1



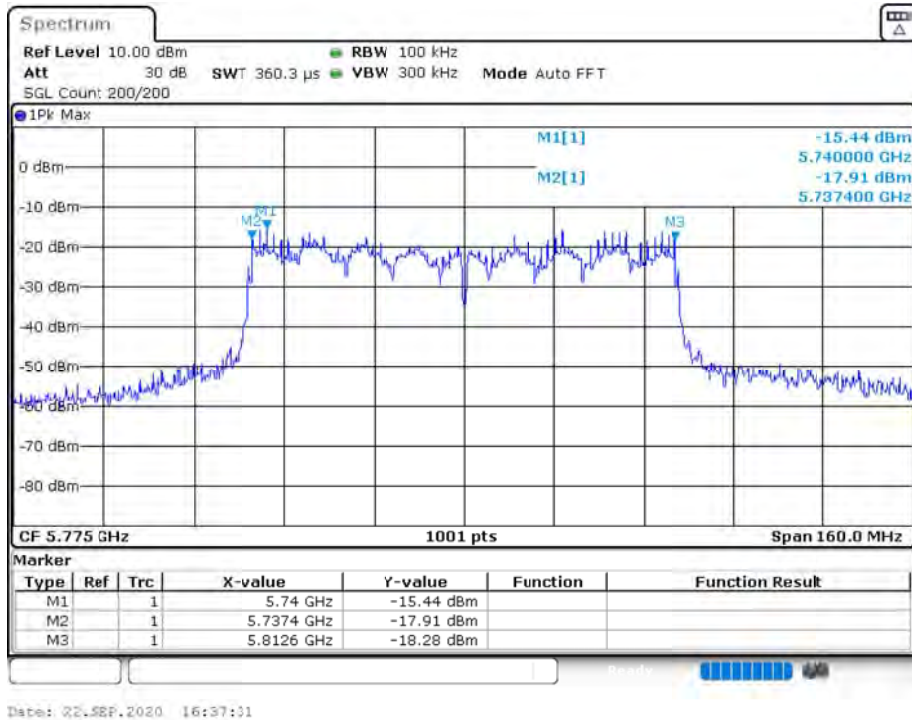
EBW NVNT 802.11ac40 5755MHz Ant1



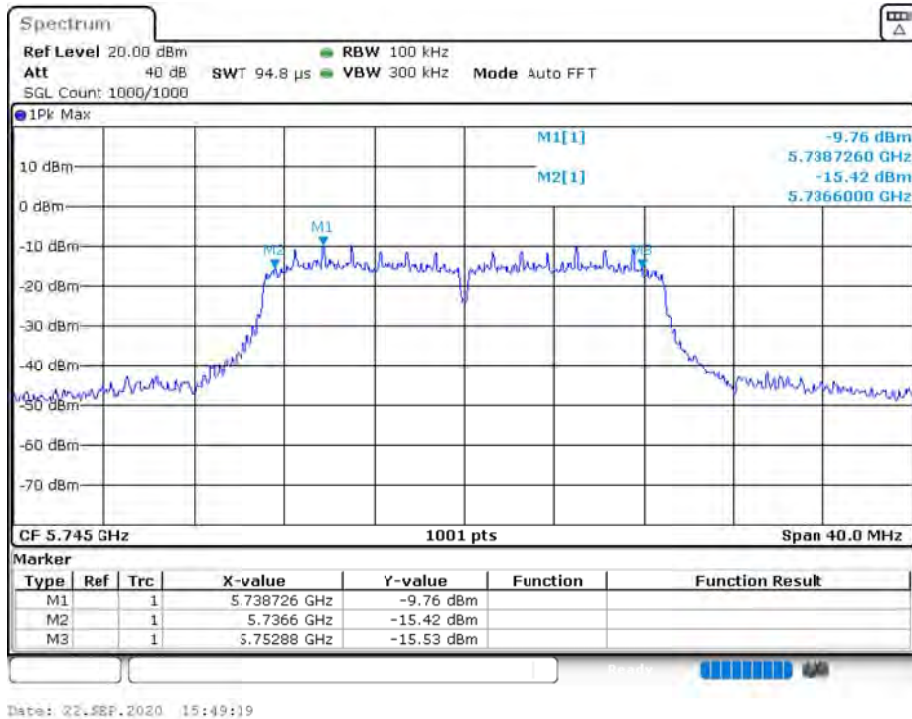
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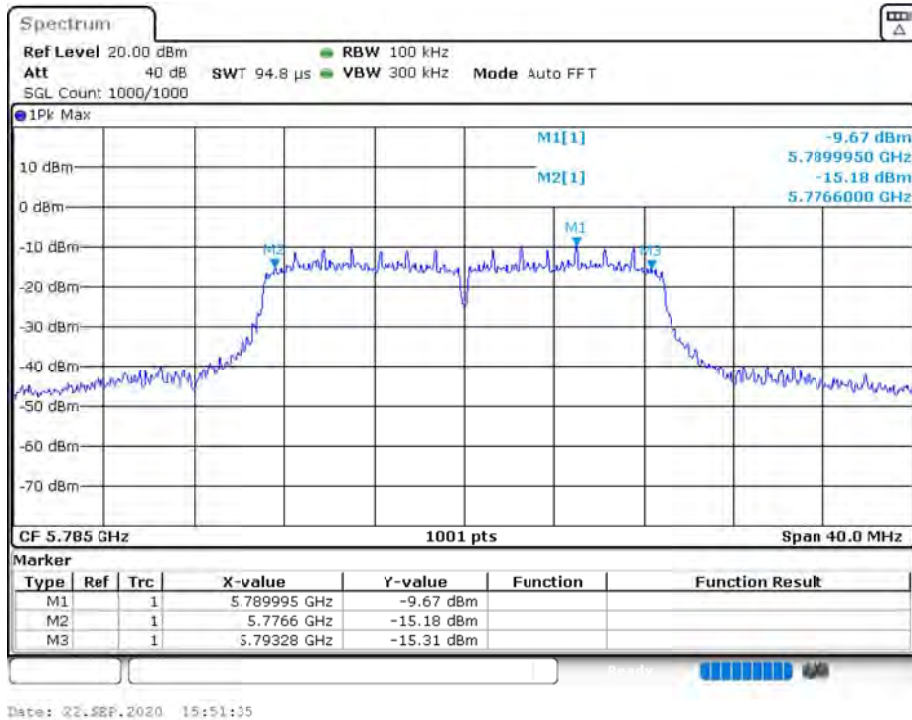
EBW NVNT 802.11ac80 5775MHz Ant1



EBW NVNT 802.11n(HT20) 5745MHz Ant1

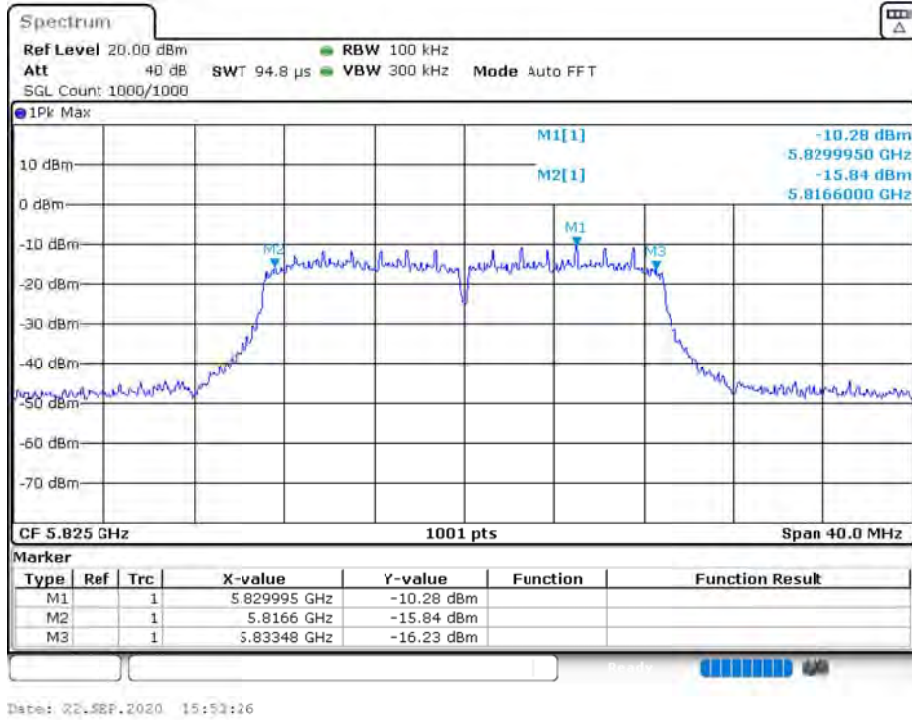


EBW NVNT 802.11n(HT20) 5785MHz Ant1

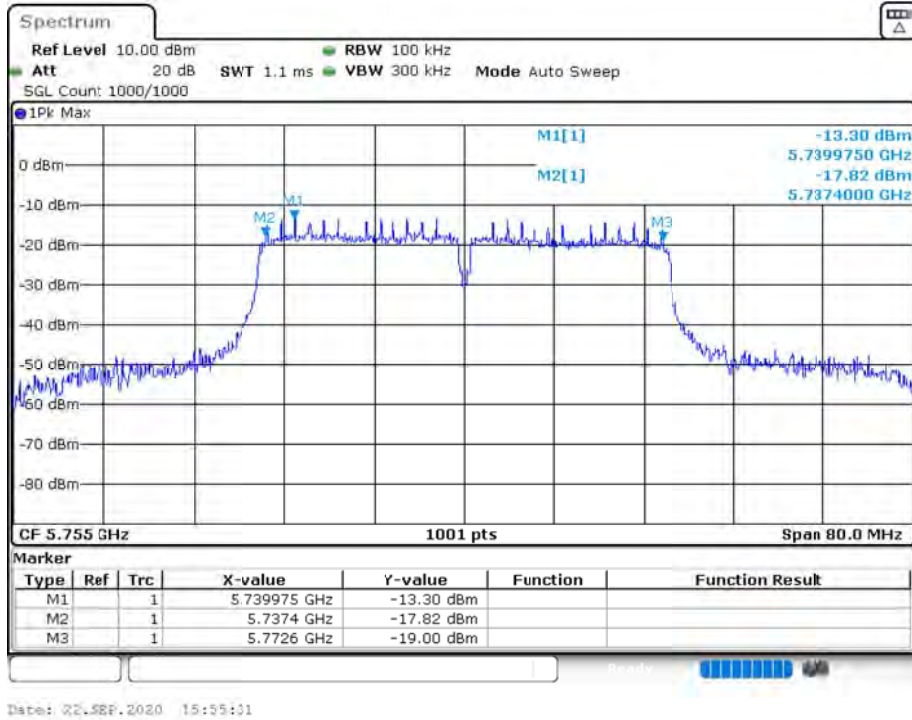




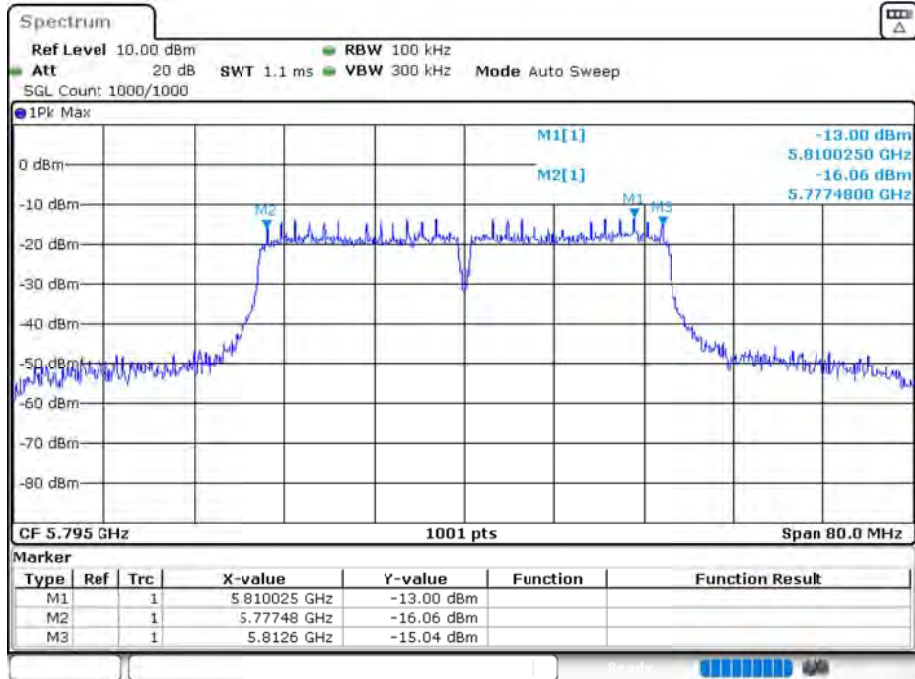
EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



EBW NVNT 802.11n(HT40) 5795MHz Ant1



Date: 22-SEP-2020 15:57:25

**Occupied Channel Bandwidth**

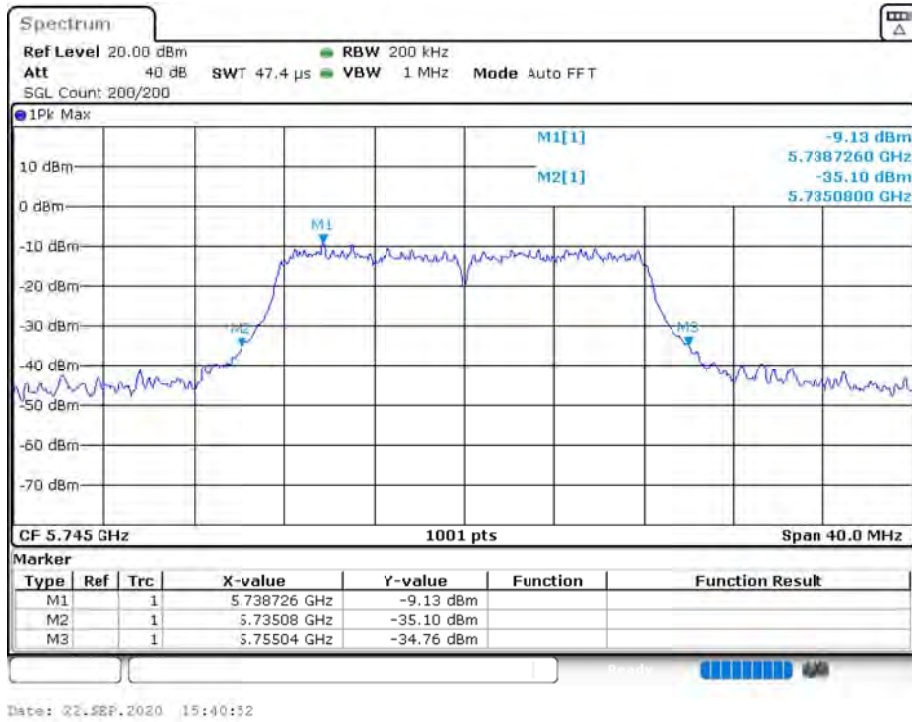
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.6633	19.96	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.8232	20.4	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.7433	19.6	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.6623	21.08	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.7822	21.48	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.7423	21.28	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.3636	44.32	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.3636	43.68	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.6044	81.12	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.6224	20.24	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.9021	20.88	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.8222	20.52	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.3636	42.48	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.4436	43.04	0.5	Pass

OBW NVNT 802.11a 5745MHz Ant1

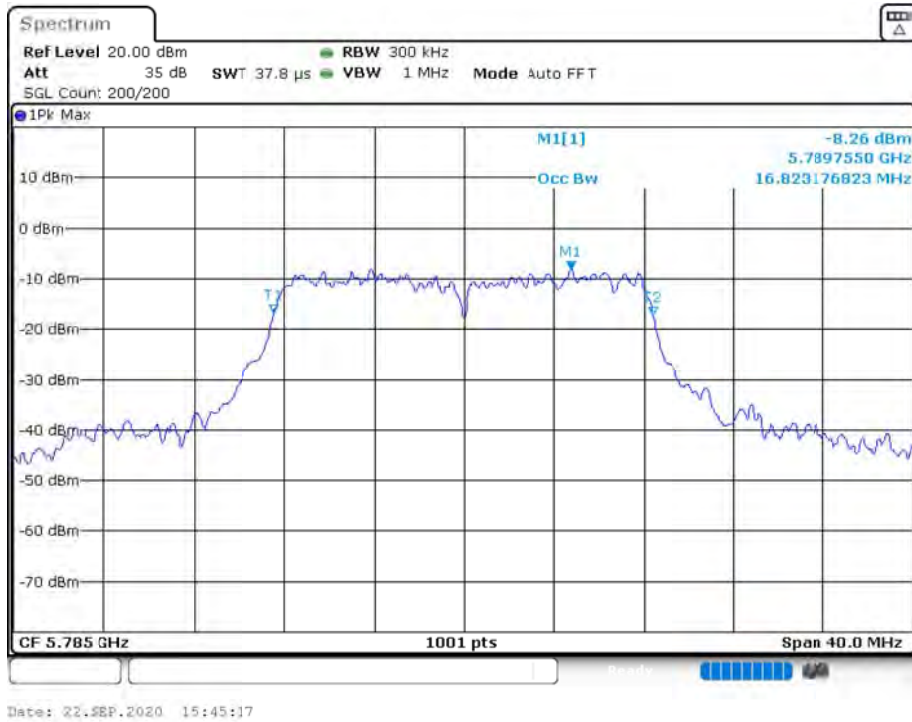


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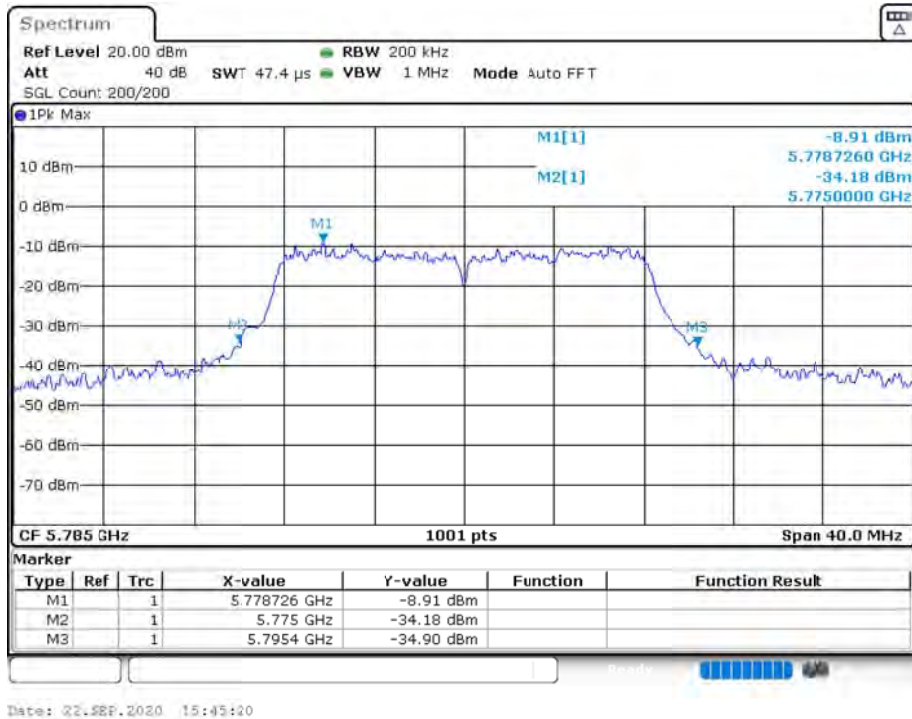
-26 dB BW NVNT 802.11a 5745MHz Ant1



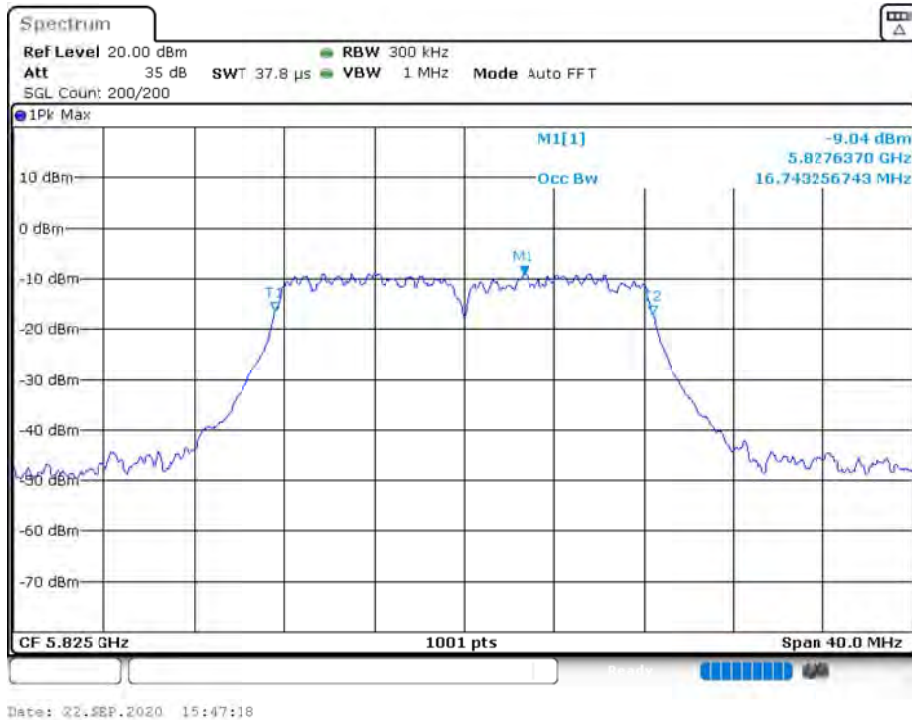
OBW NVNT 802.11a 5785MHz Ant1



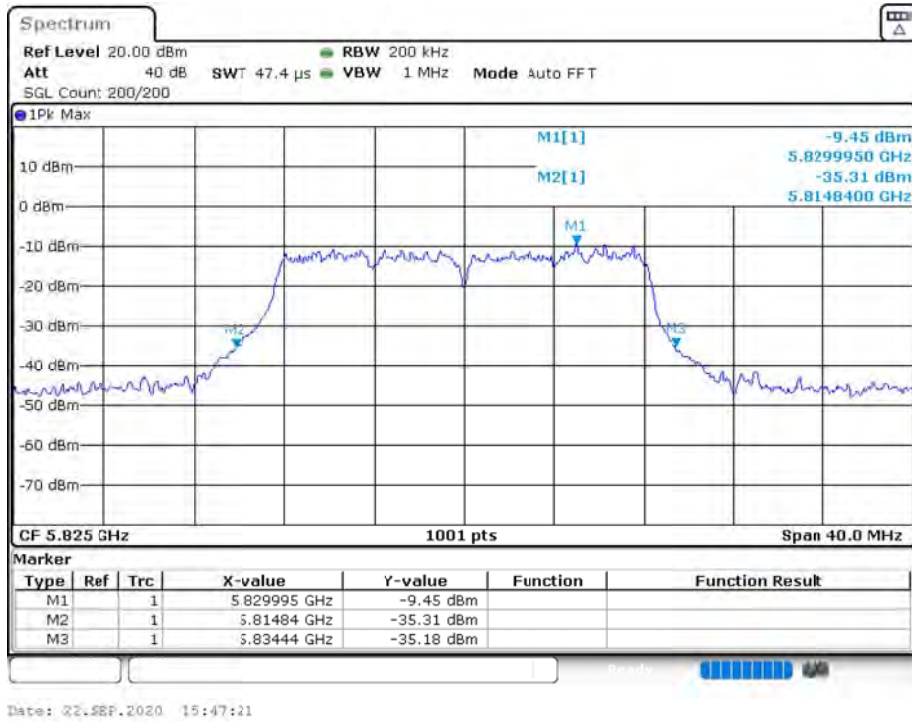
-26 dB BW NVNT 802.11a 5785MHz Ant1



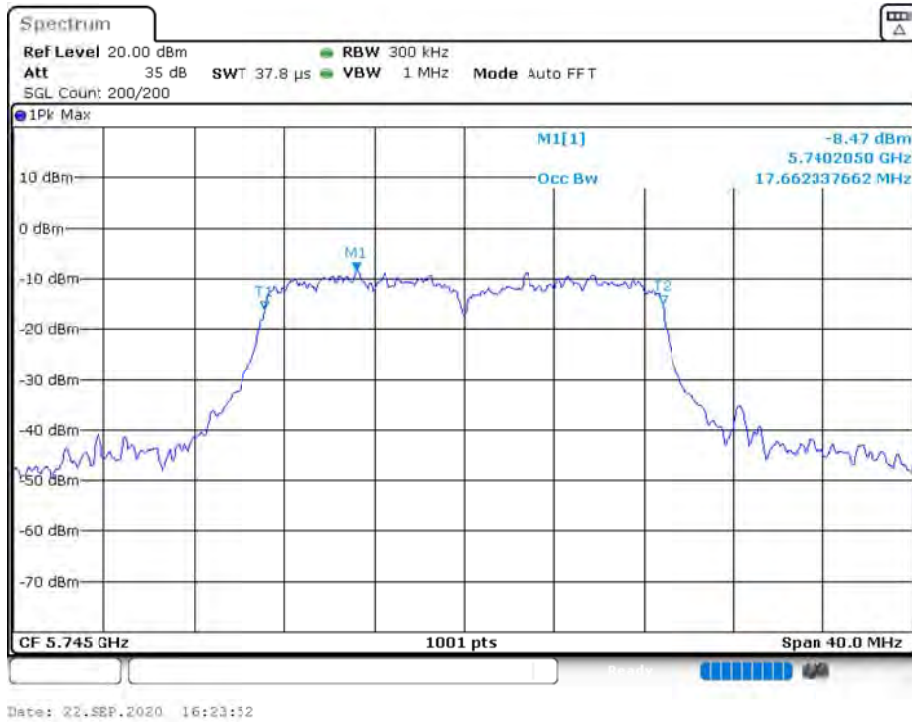
OBW NVNT 802.11a 5825MHz Ant1



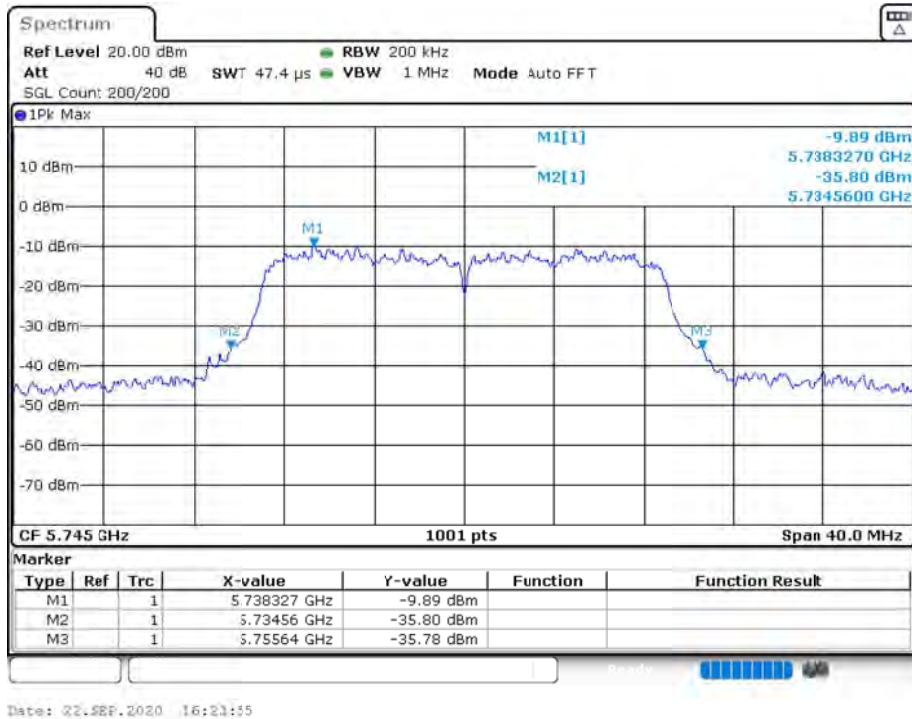
-26 dB BW NVNT 802.11a 5825MHz Ant1



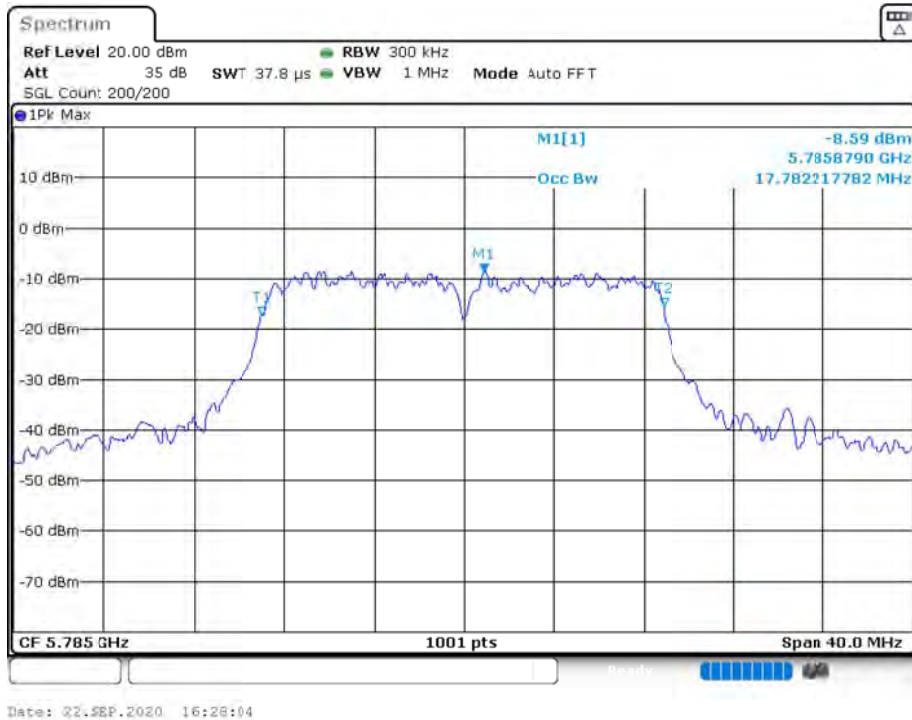
OBW NVNT 802.11ac20 5745MHz Ant1



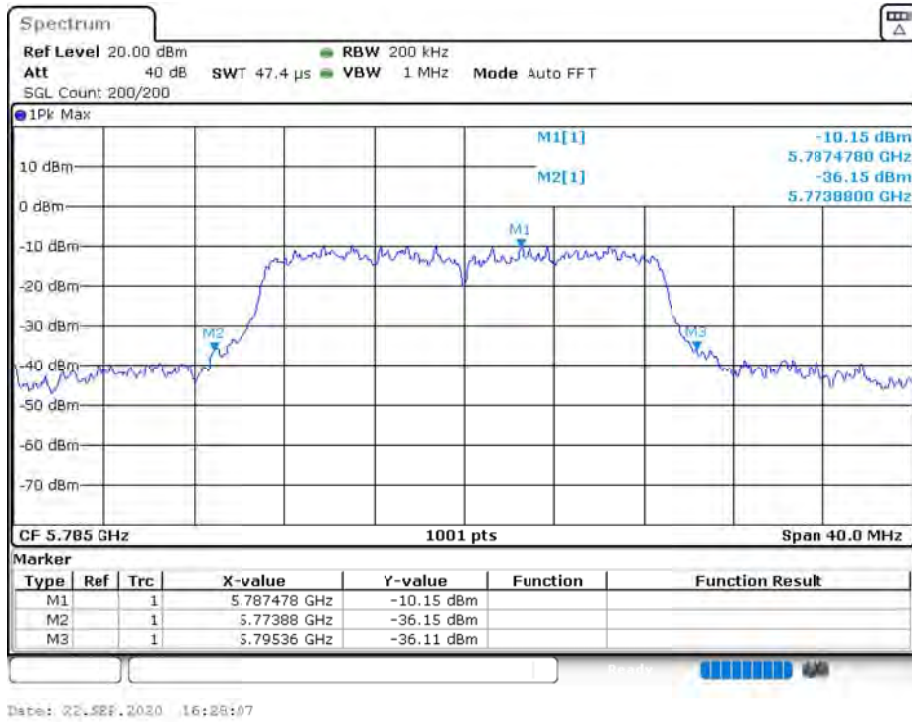
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



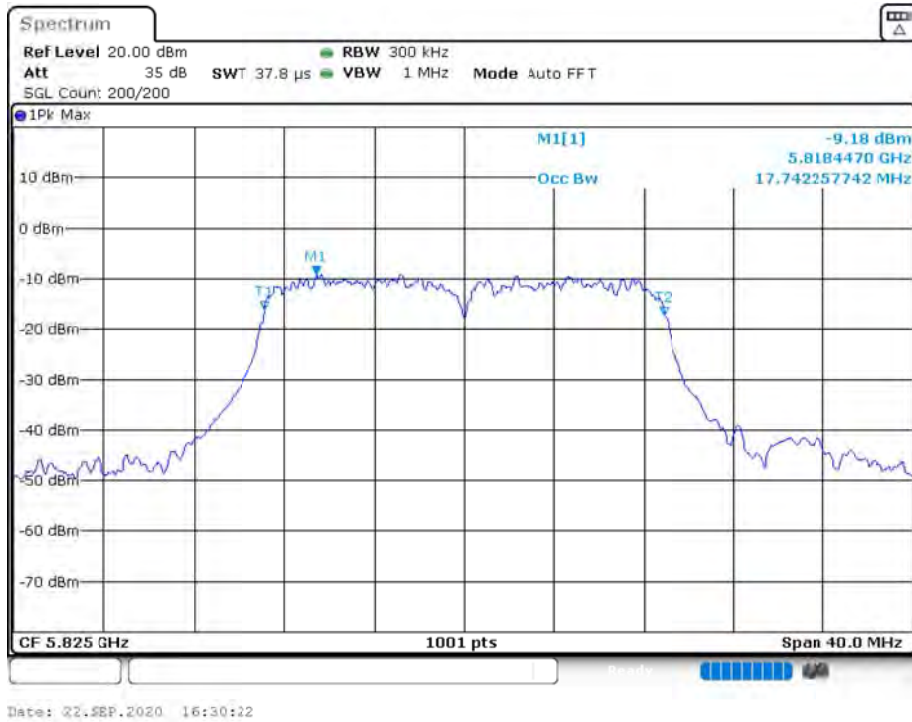
OBW NVNT 802.11ac20 5785MHz Ant1



-26 dB BW NVNT 802.11ac20 5785MHz Ant1

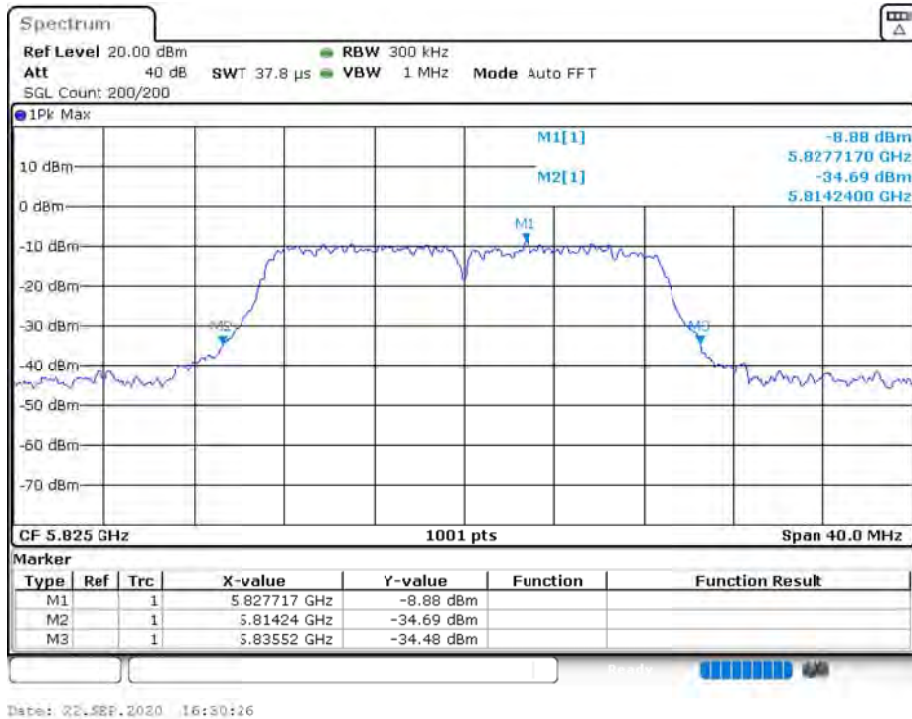


OBW NVNT 802.11ac20 5825MHz Ant1

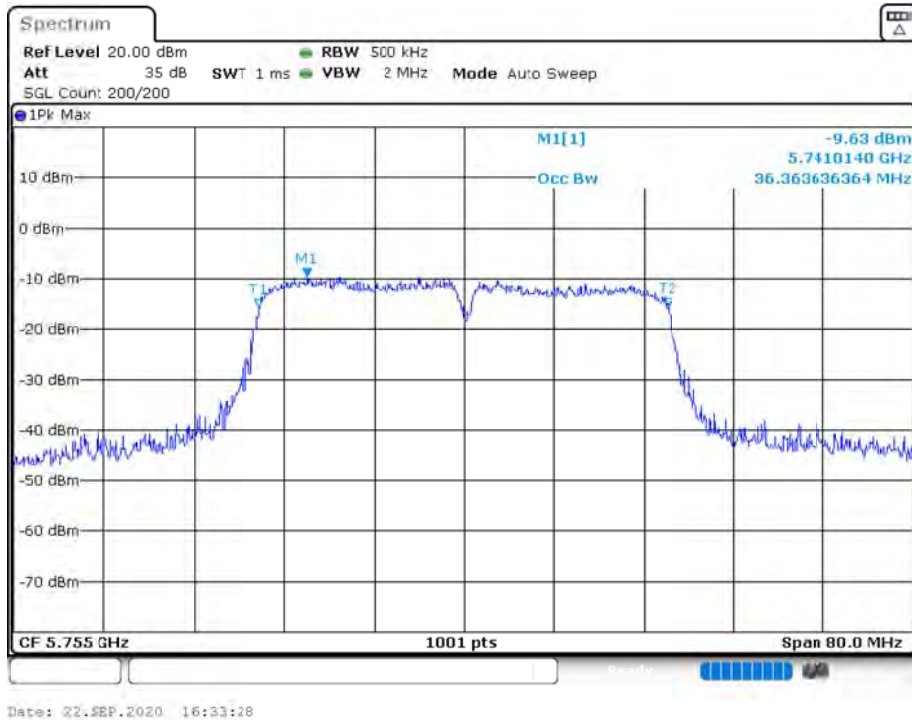




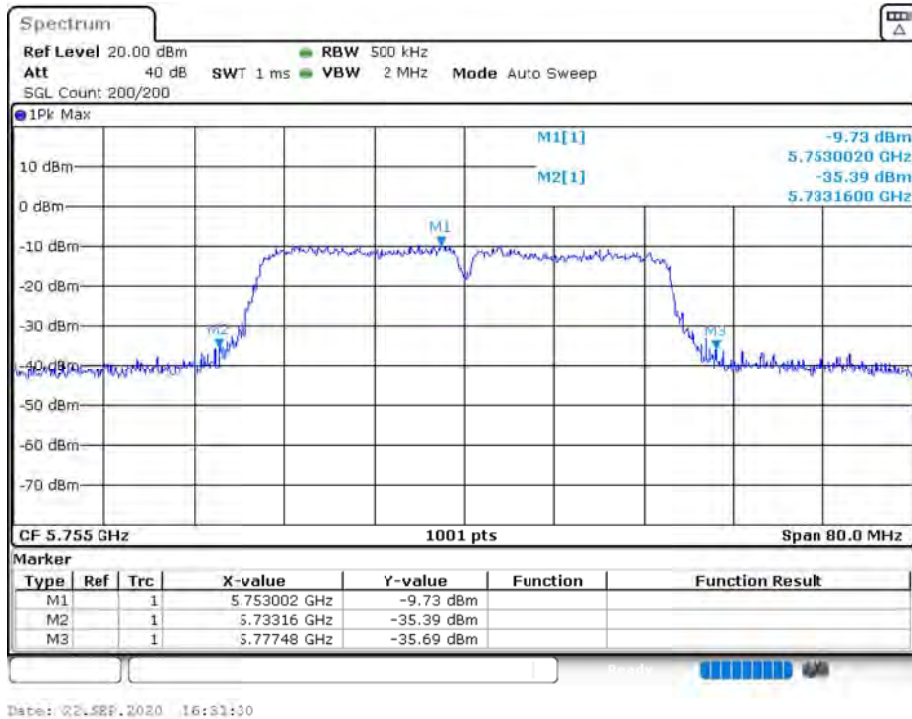
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



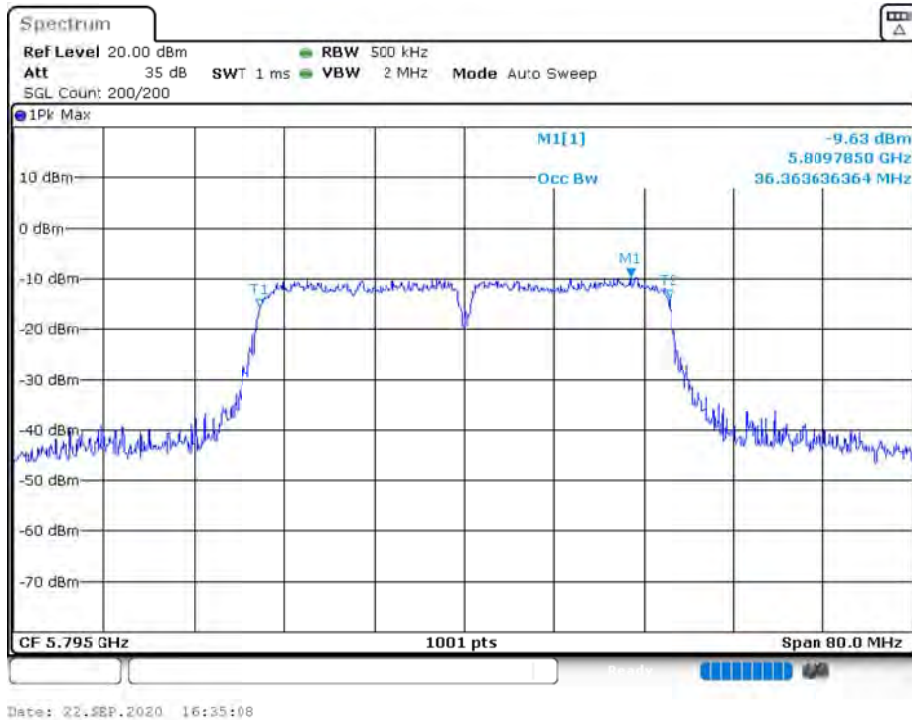
OBW NVNT 802.11ac40 5755MHz Ant1



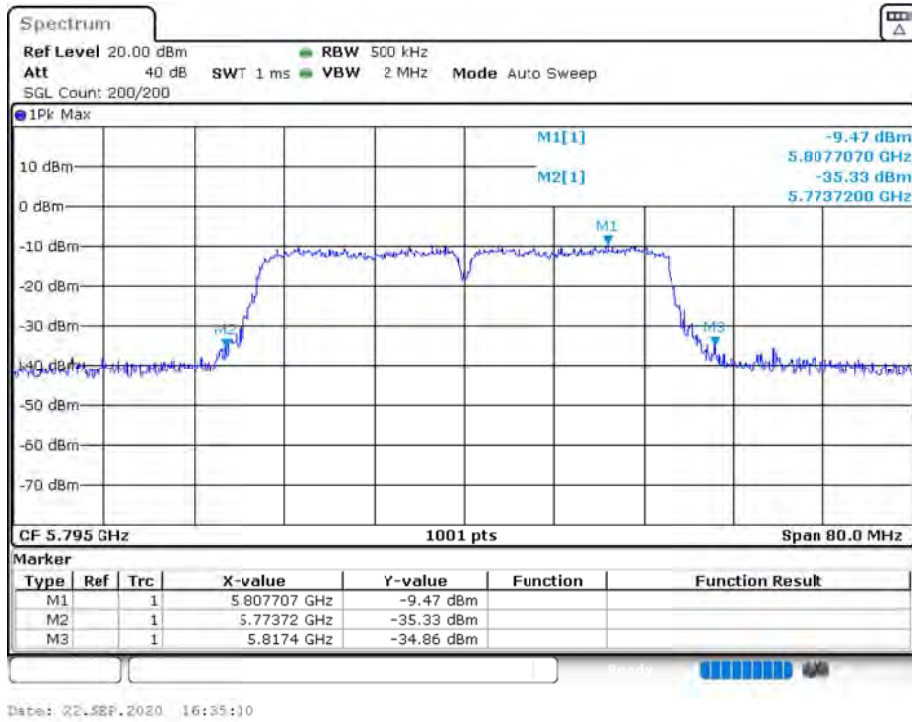
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



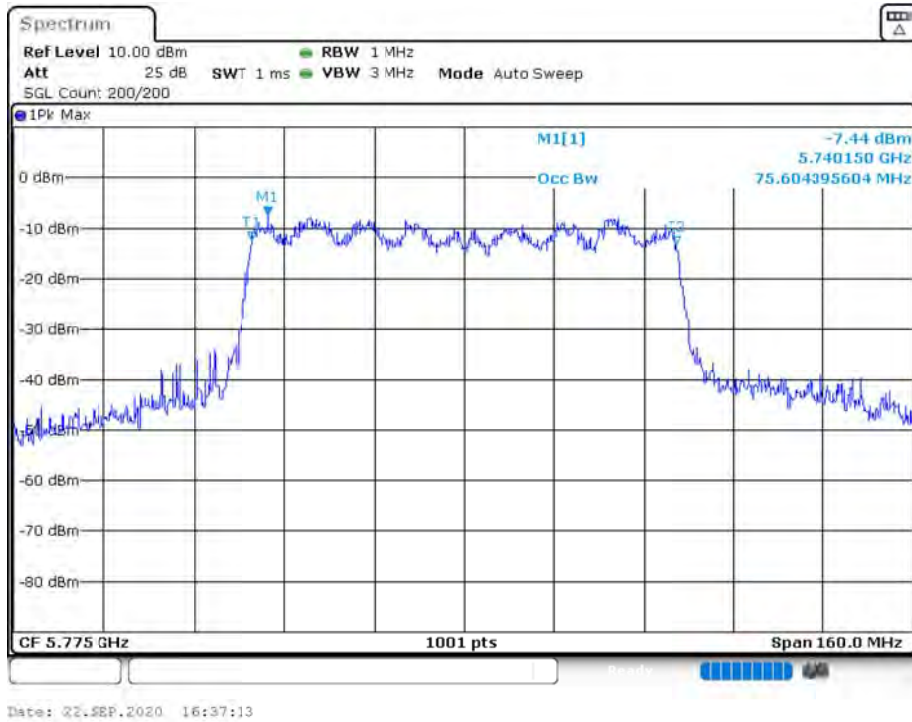
OBW NVNT 802.11ac40 5795MHz Ant1



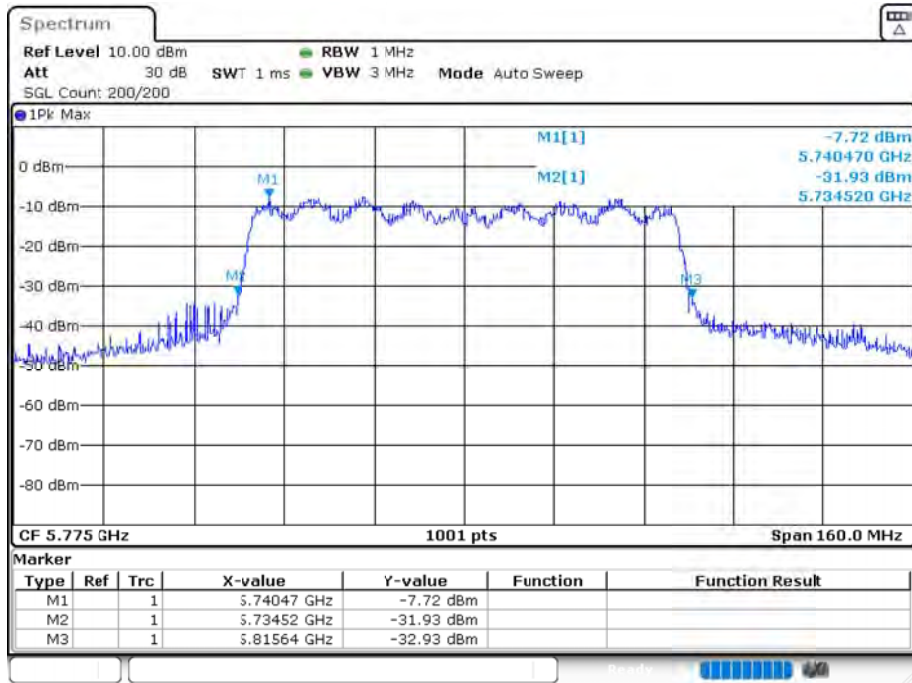
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



OBW NVNT 802.11ac80 5775MHz Ant1

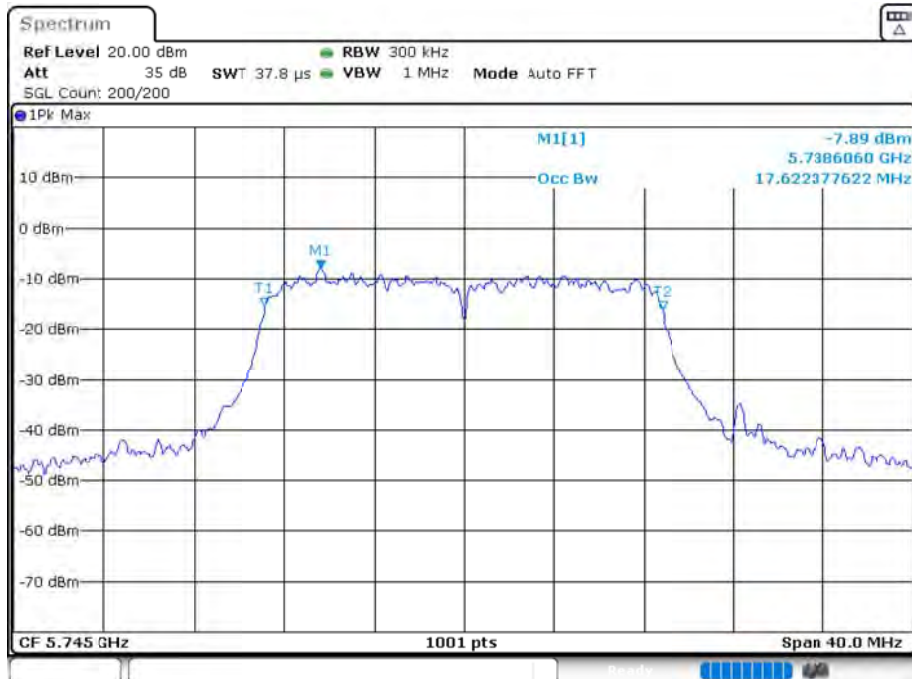


-26 dB BW NVNT 802.11ac80 5775MHz Ant1



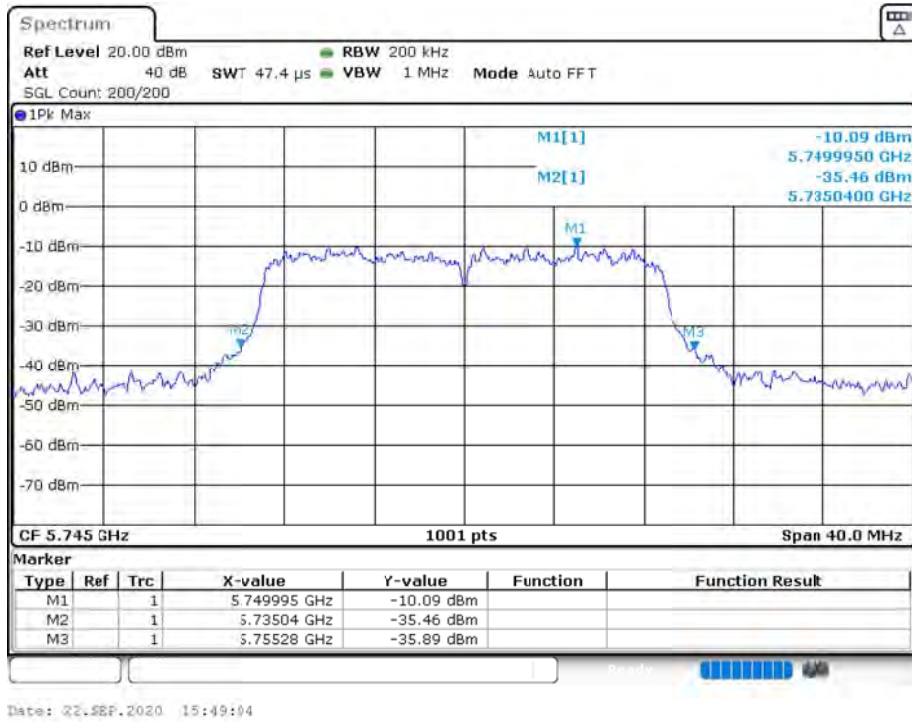
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OBW NVNT 802.11n(HT20) 5745MHz Ant1

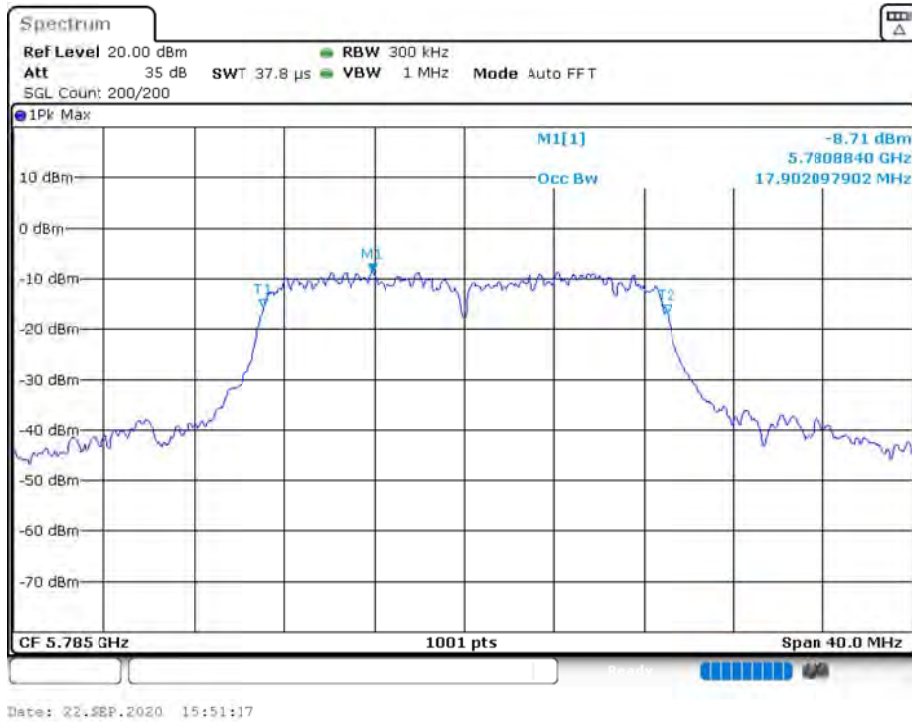


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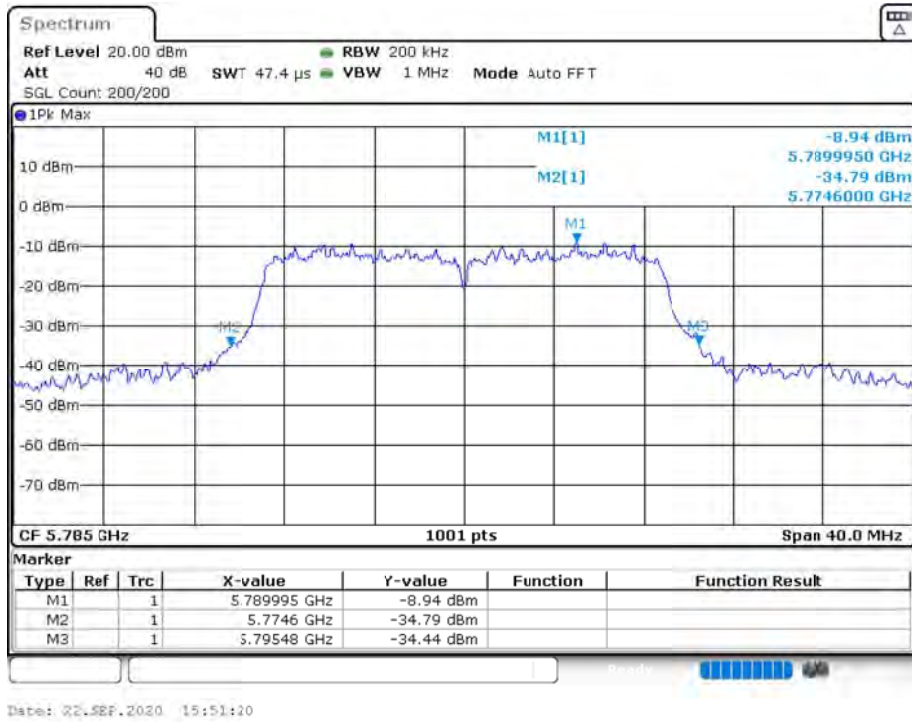
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



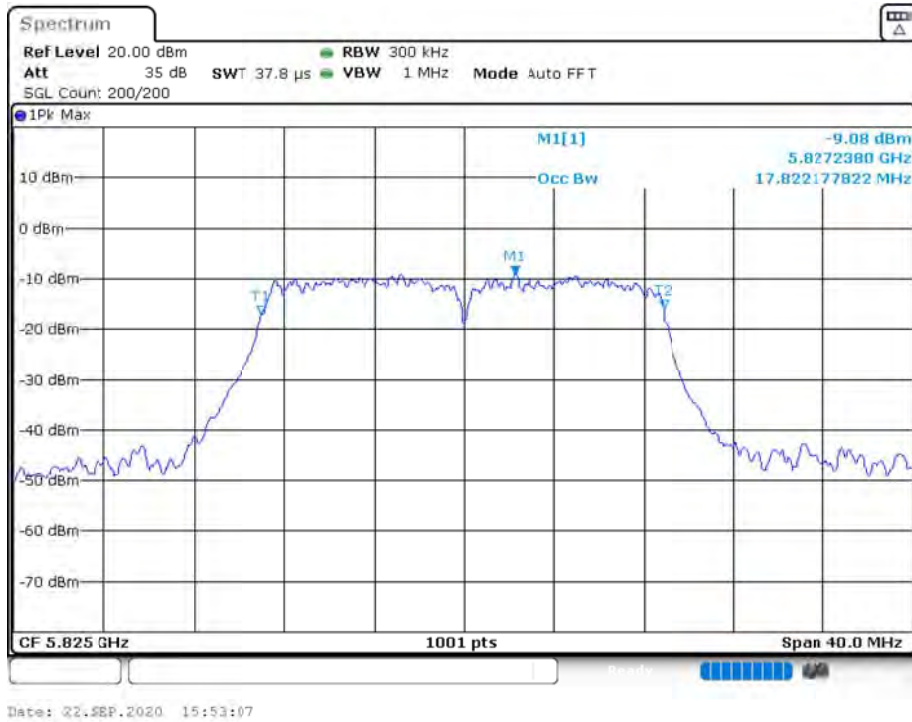
OBW NVNT 802.11n(HT20) 5785MHz Ant1



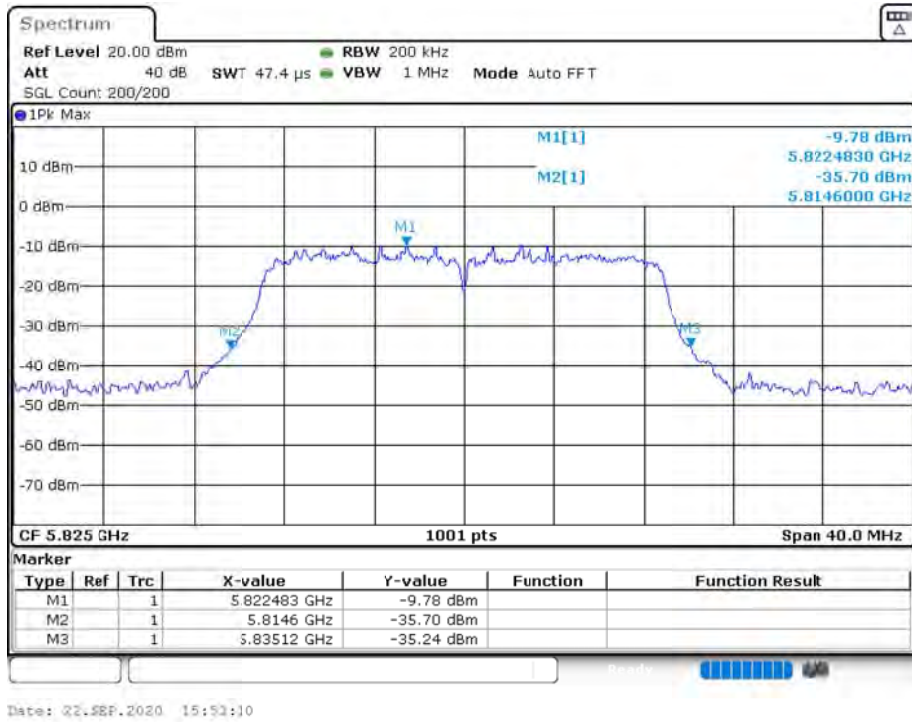
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



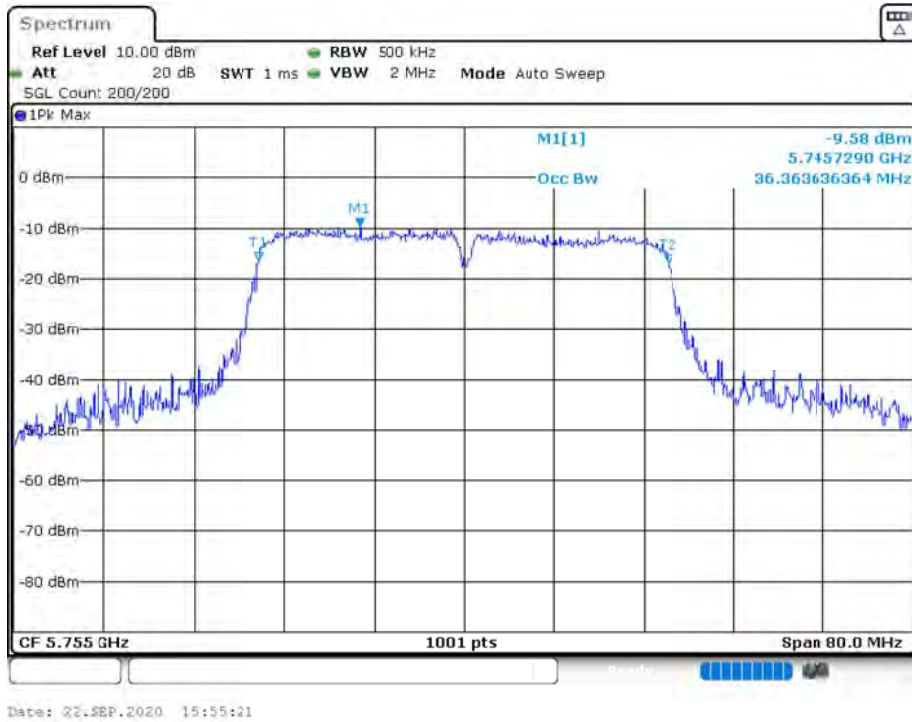
OBW NVNT 802.11n(HT20) 5825MHz Ant1



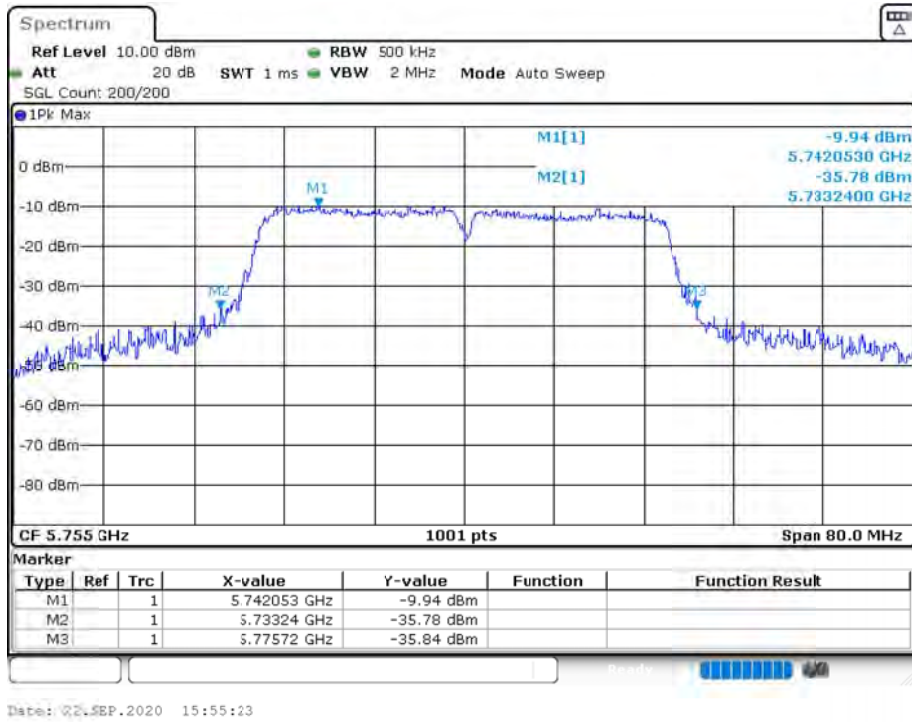
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



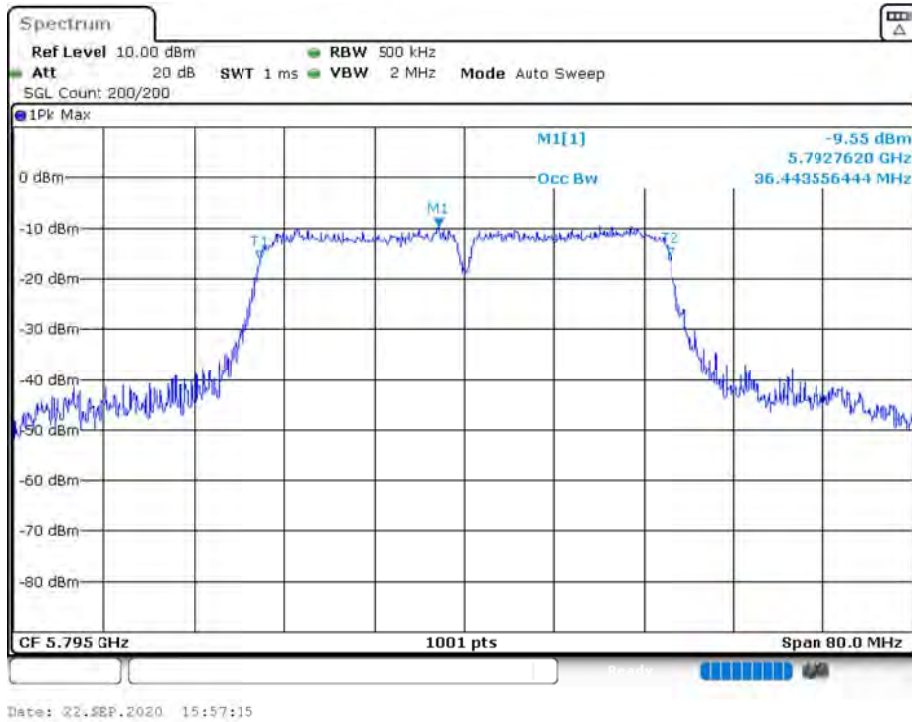
OBW NVNT 802.11n(HT40) 5755MHz Ant1



-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1

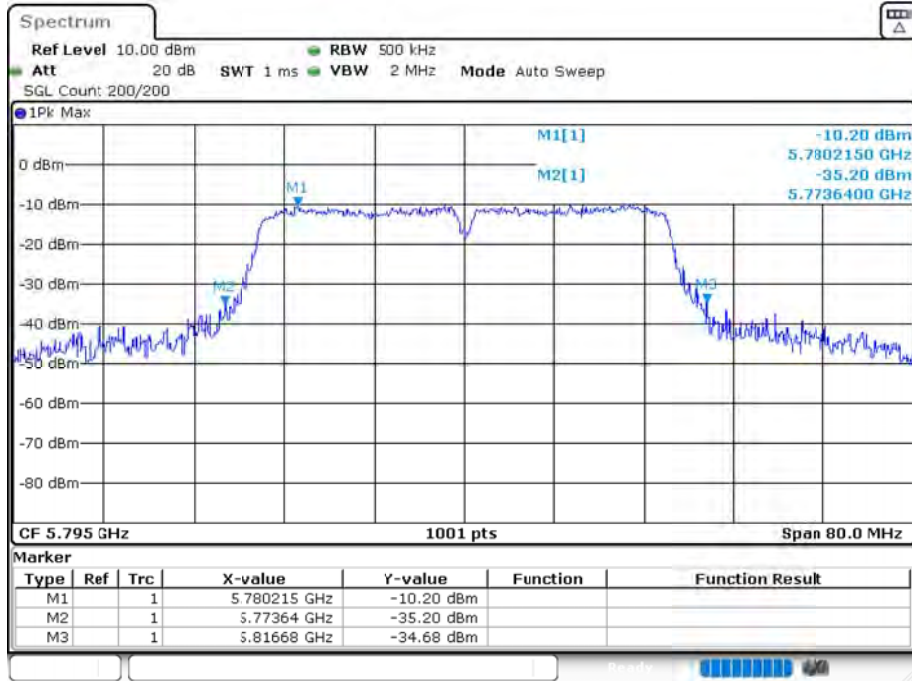


OBW NVNT 802.11n(HT40) 5795MHz Ant1





-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1

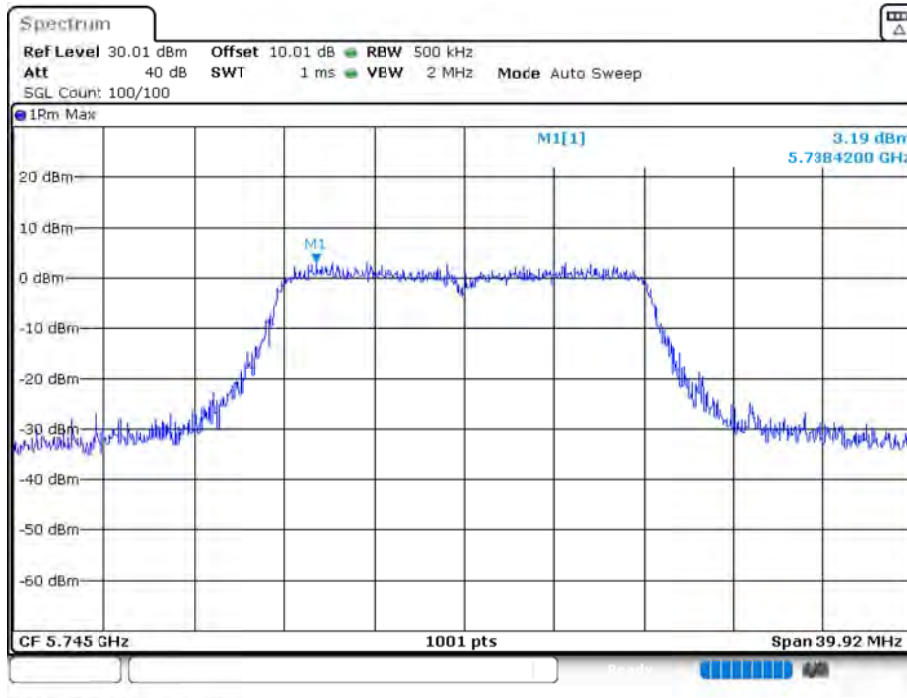


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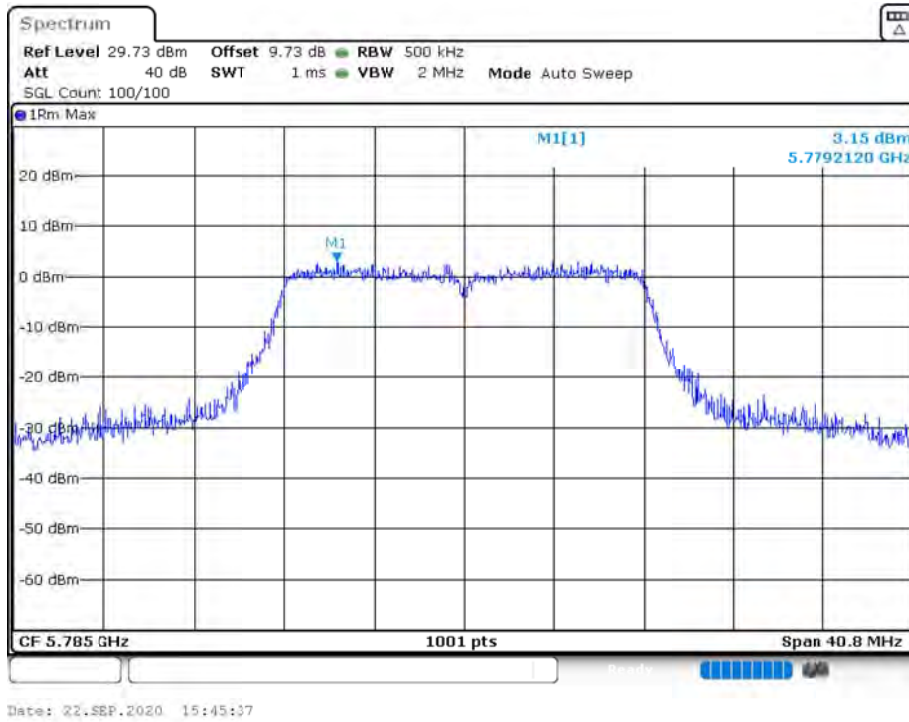
**Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	3.193	30	Pass
NVNT	802.11a	5785	Ant 1	3.152	30	Pass
NVNT	802.11a	5825	Ant 1	4.048	30	Pass
NVNT	802.11ac20	5745	Ant 1	2.308	30	Pass
NVNT	802.11ac20	5785	Ant 1	2.825	30	Pass
NVNT	802.11ac20	5825	Ant 1	2.796	30	Pass
NVNT	802.11ac40	5755	Ant 1	-1.051	30	Pass
NVNT	802.11ac40	5795	Ant 1	-0.442	30	Pass
NVNT	802.11ac80	5775	Ant 1	-3.306	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	3.47	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	3.158	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	2.857	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-0.905	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-1.208	30	Pass

PSD NVNT 802.11a 5745MHz Ant1



PSD NVNT 802.11a 5785MHz Ant1



PSD NVNT 802.11a 5825MHz Ant1

