

Appendix C: Maximum power spectral density

Test Result

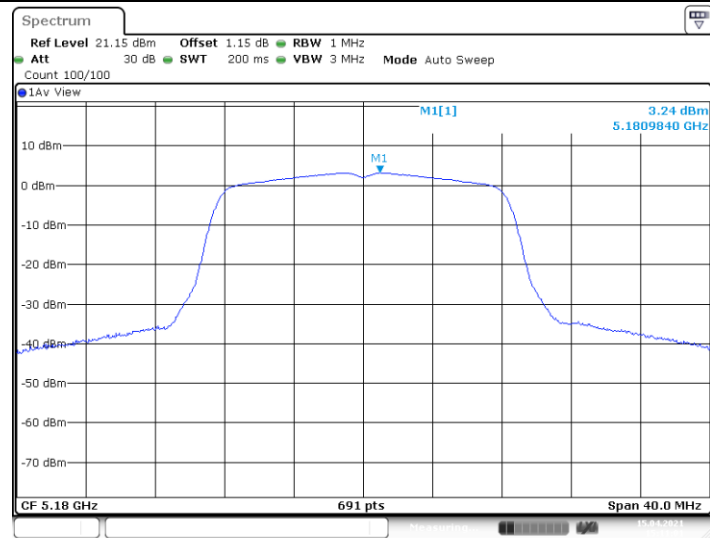
Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
802.11a	Ant1	5180	3.24	<=11	PASS
		5200	2.96	<=11	PASS
		5240	2.75	<=11	PASS
		5260	2.45	<=11	PASS
		5280	2.17	<=11	PASS
		5320	1.68	<=11	PASS
		5745	-1.42	<=30	PASS
		5785	-2.28	<=30	PASS
		5825	-2.95	<=30	PASS
802.11n(HT20)	Ant1	5180	2.91	<=11	PASS
		5200	2.72	<=11	PASS
		5240	2.36	<=11	PASS
		5260	2.07	<=11	PASS
		5280	1.95	<=11	PASS
		5320	1.32	<=11	PASS
		5745	-1.79	<=30	PASS
		5785	-2.61	<=30	PASS
		5825	-3.26	<=30	PASS
802.11n(HT40)	Ant1	5190	-0.7	<=11	PASS
		5230	-1.07	<=11	PASS
		5270	-1.65	<=11	PASS
		5310	-2.2	<=11	PASS
		5755	-5.79	<=30	PASS
		5795	-6.64	<=30	PASS
802.11ac(VHT20)	Ant1	5180	3.08	<=11	PASS
		5200	2.7	<=11	PASS
		5240	2.47	<=11	PASS
		5260	2.13	<=11	PASS
		5280	2.02	<=11	PASS
		5320	1.32	<=11	PASS
		5745	-1.66	<=30	PASS
		5785	-2.62	<=30	PASS
		5825	-3.39	<=30	PASS
802.11ac(VHT40)	Ant1	5190	-0.68	<=11	PASS
		5230	-1.11	<=11	PASS
		5270	-1.79	<=11	PASS
		5310	-2.33	<=11	PASS
		5755	-5.77	<=30	PASS
		5795	-6.71	<=30	PASS
802.11ac(VHT80)	Ant1	5210	-4.96	<=11	PASS
		5290	-6.01	<=11	PASS

		5775	-10.46	≤ 30	PASS
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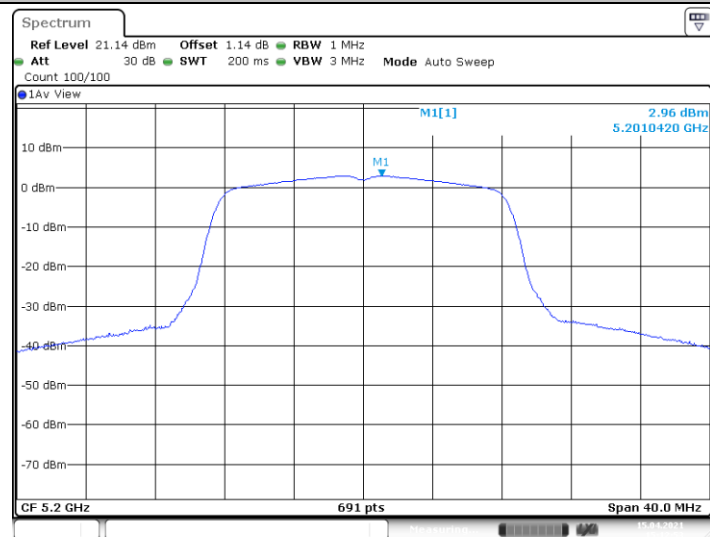
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

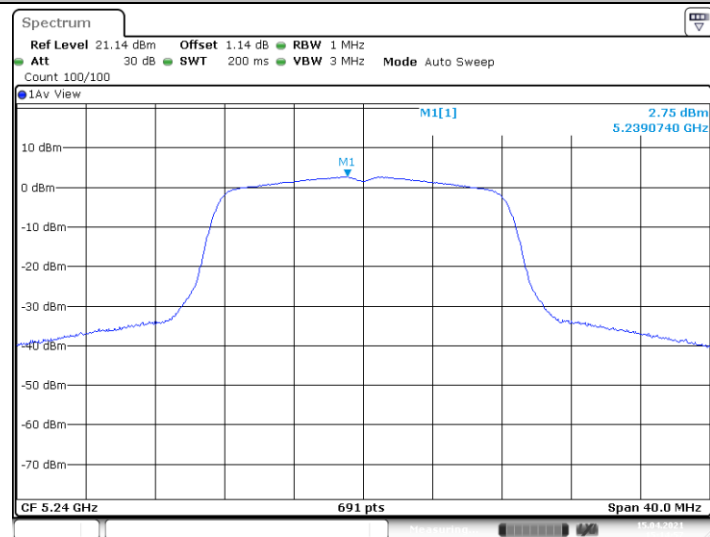
802.11a_Ant1_5180



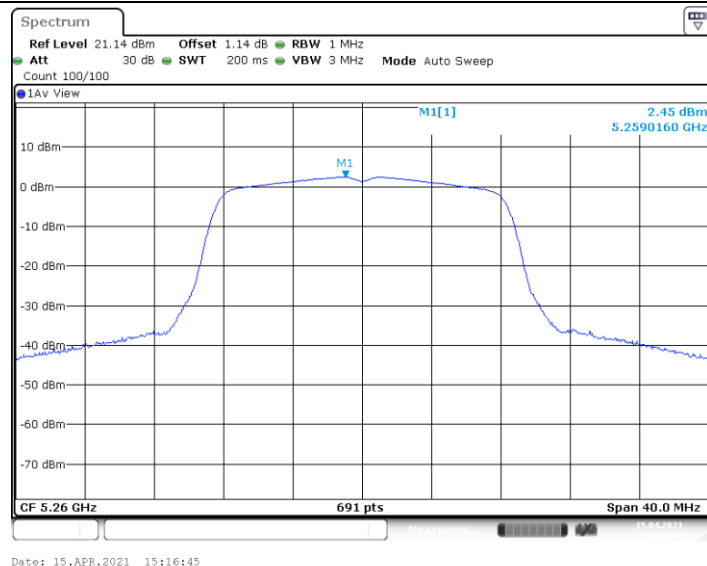
802.11a_Ant1_5200



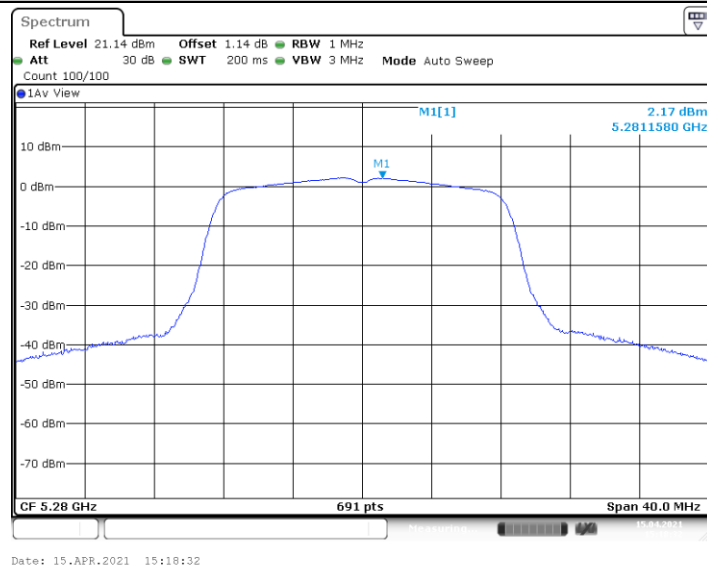
802.11a_Ant1_5240



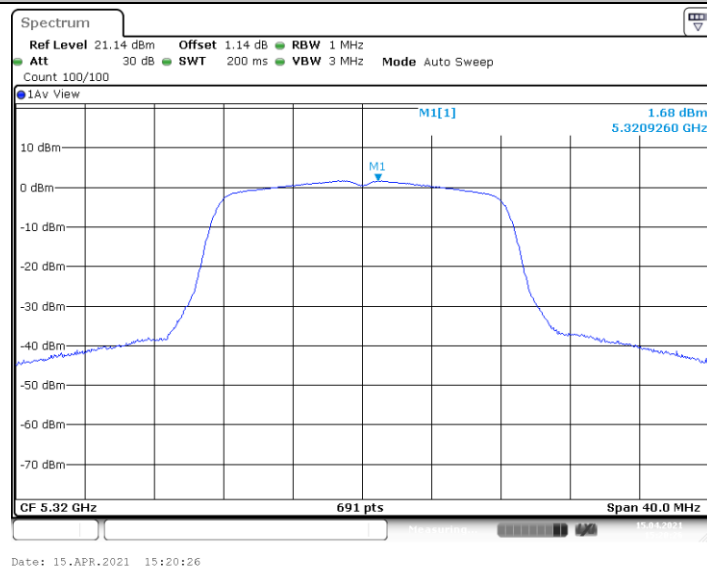
802.11a_Ant1_5260



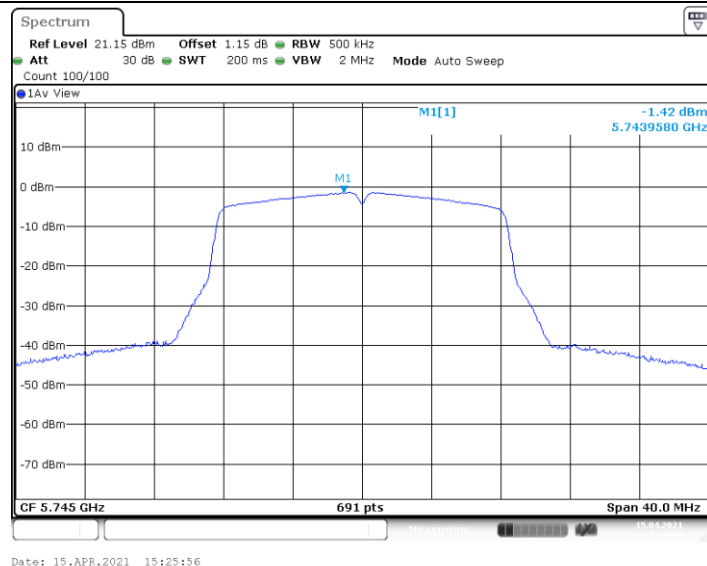
802.11a_Ant1_5280



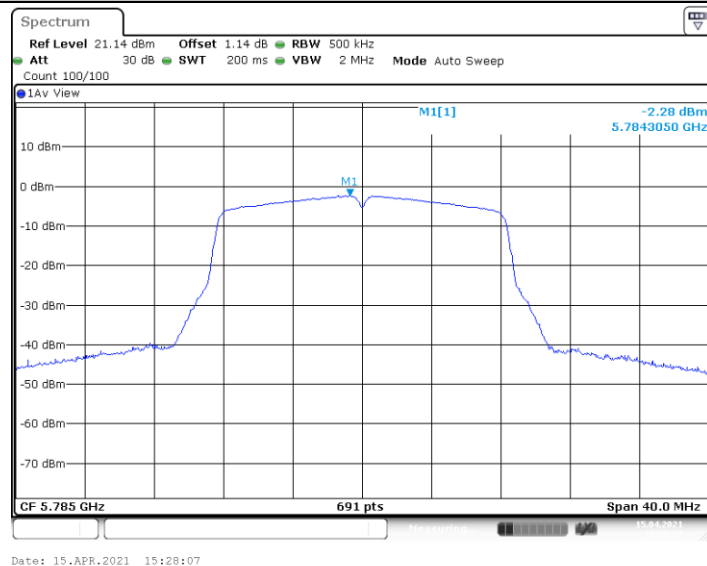
802.11a_Ant1_5320



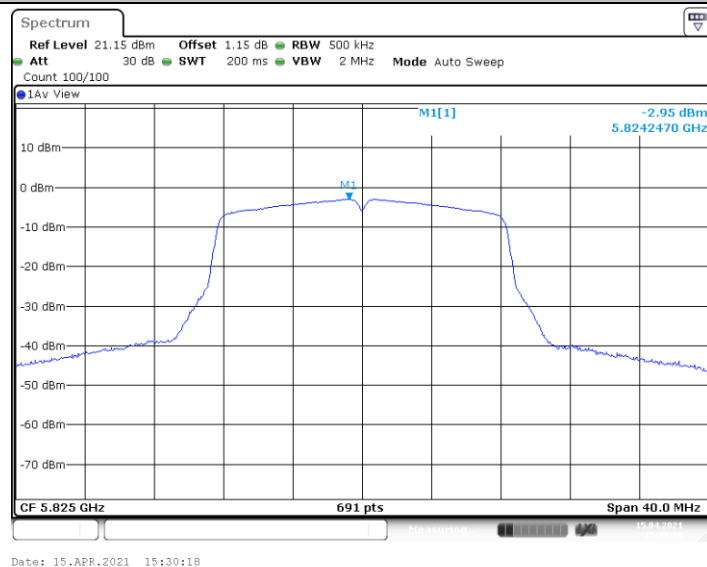
802.11a_Ant1_5745



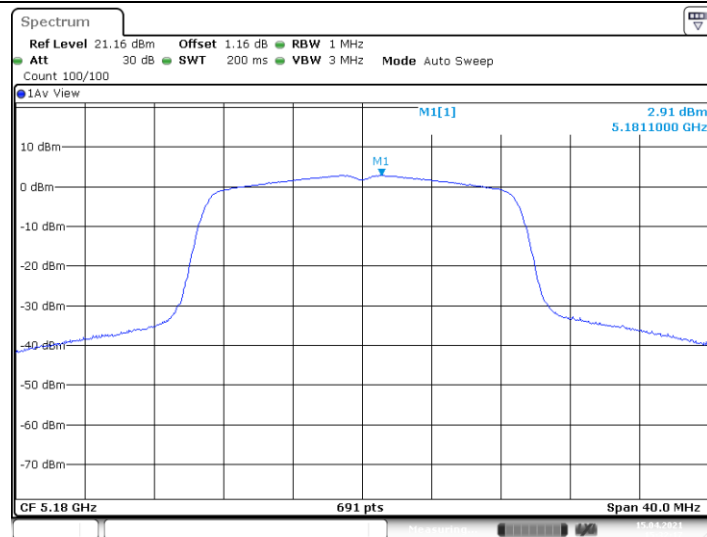
802.11a_Ant1_5785



802.11a_Ant1_5825

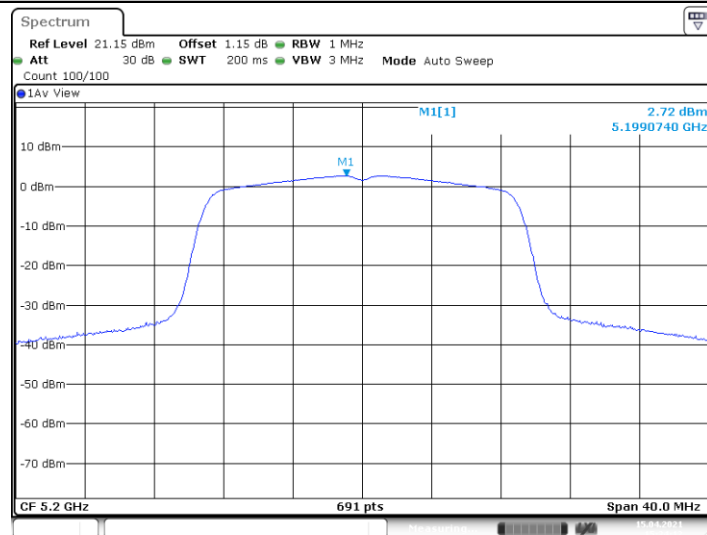


802.11n(HT20)_Ant1_5180



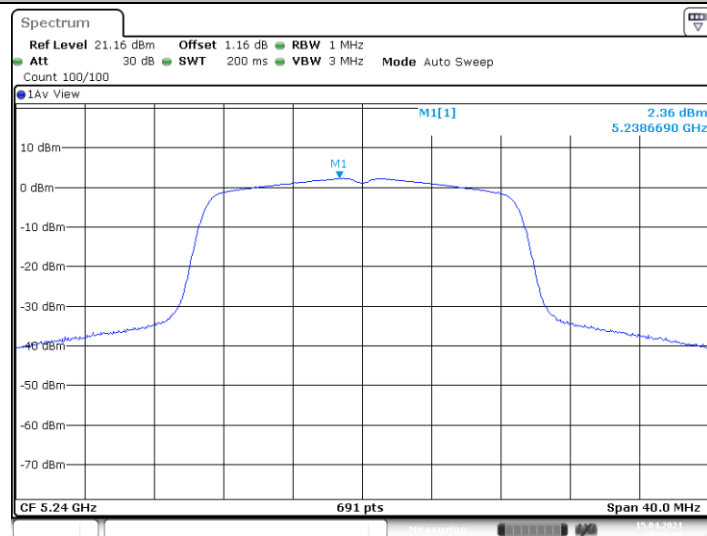
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802.11n(HT20)_Ant1_5200



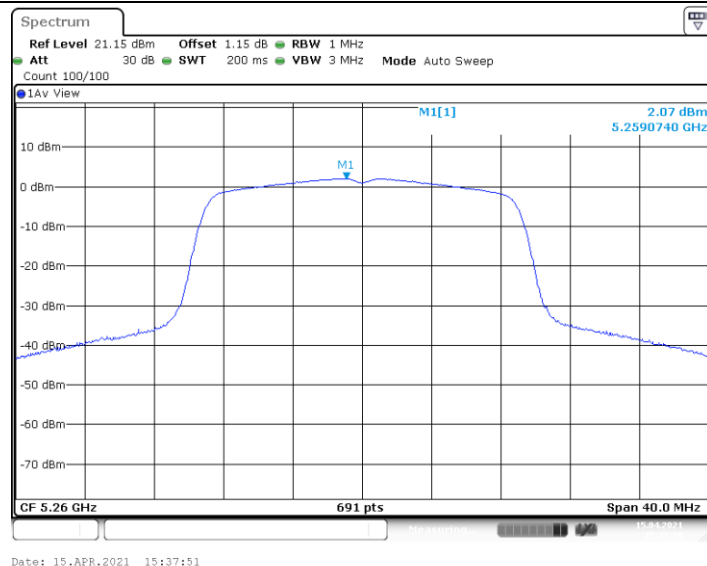
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802.11n(HT20)_Ant1_5240

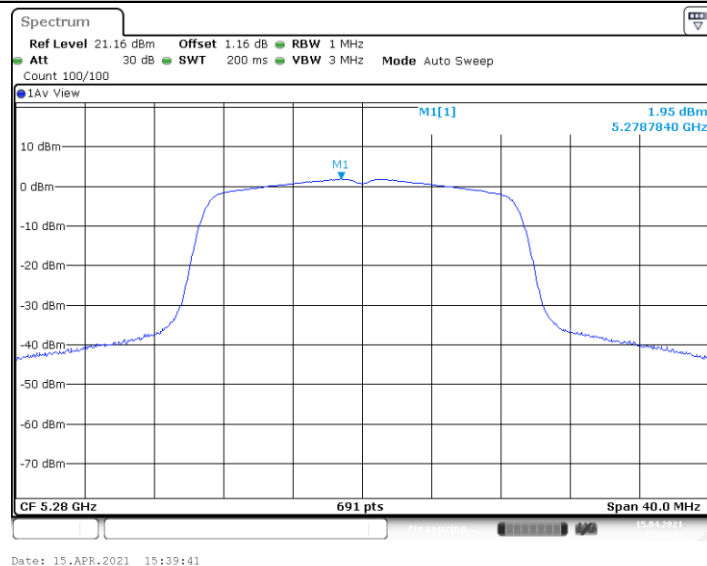


Date: 15.APR.2021 15:36:02

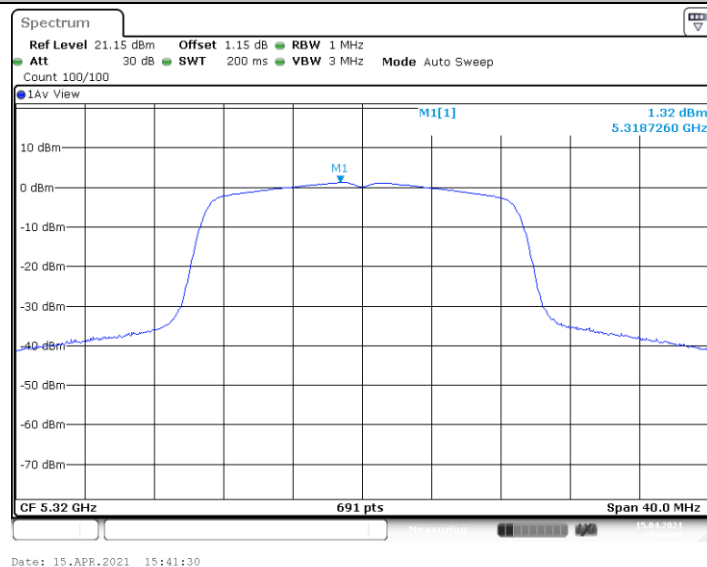
802.11n(HT20)_Ant1_5260



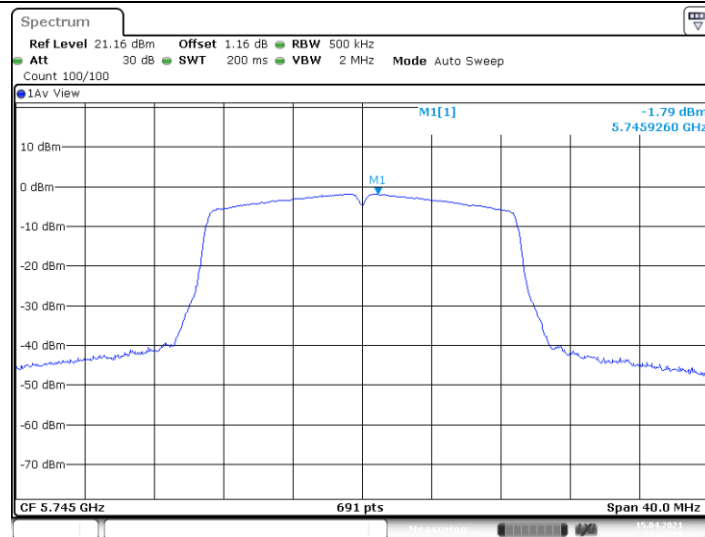
802.11n(HT20)_Ant1_5280



802.11n(HT20)_Ant1_5320

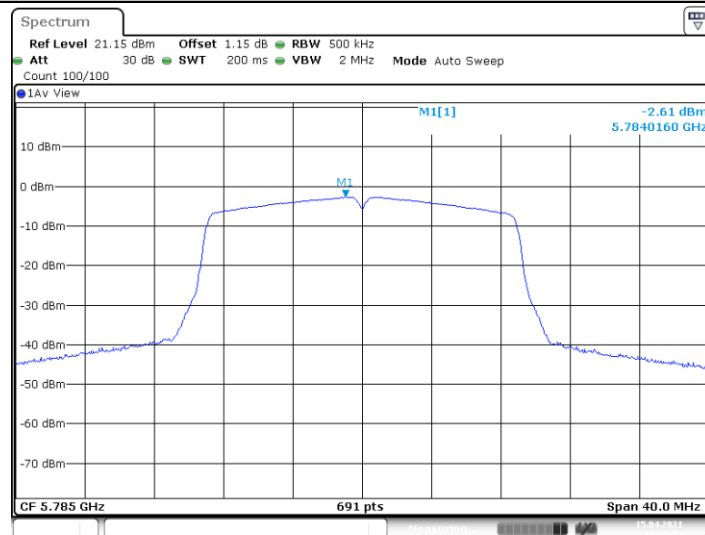


802.11n(HT20)_Ant1_5745



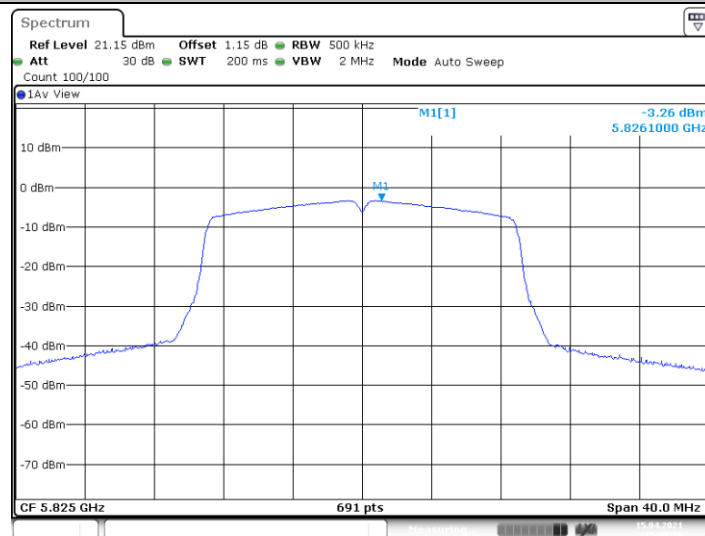
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802.11n(HT20)_Ant1_5785



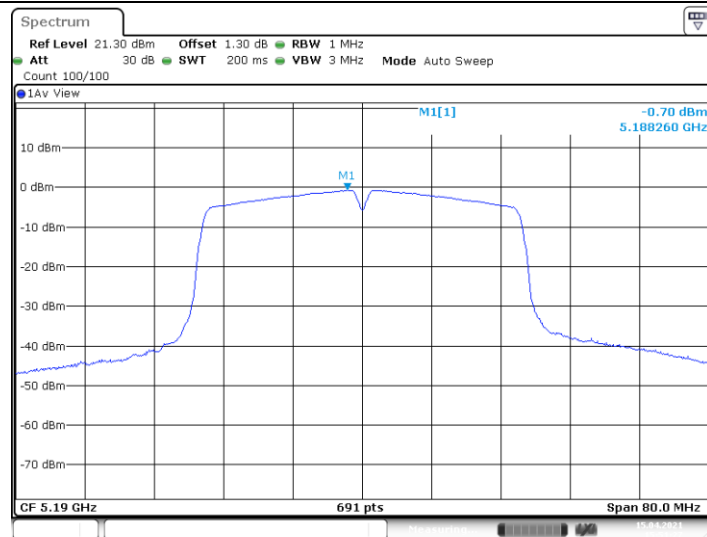
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802.11n(HT20)_Ant1_5825



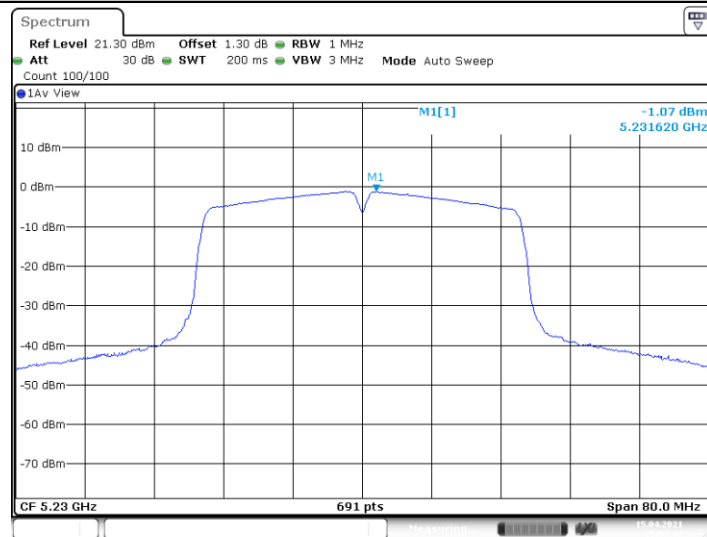
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802.11n(HT40)_Ant1_5190



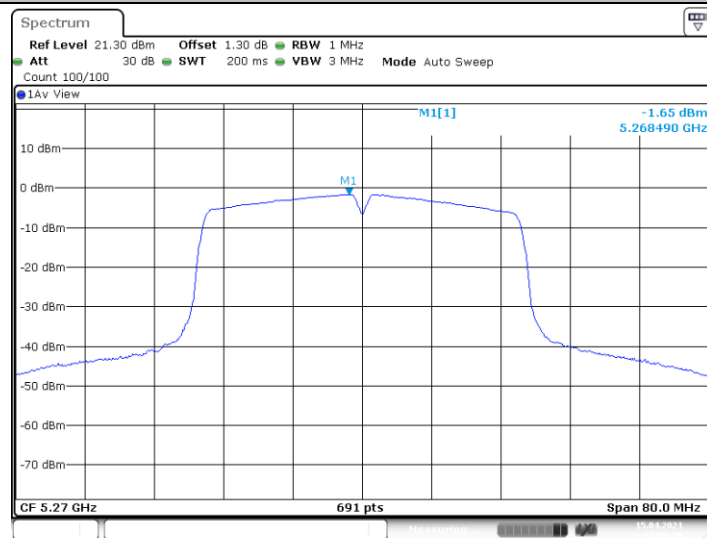
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802.11n(HT40)_Ant1_5230



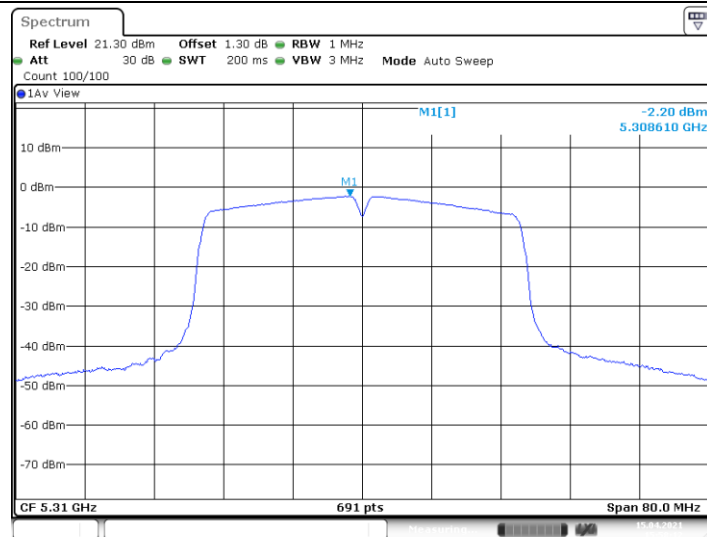
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802.11n(HT40)_Ant1_5270



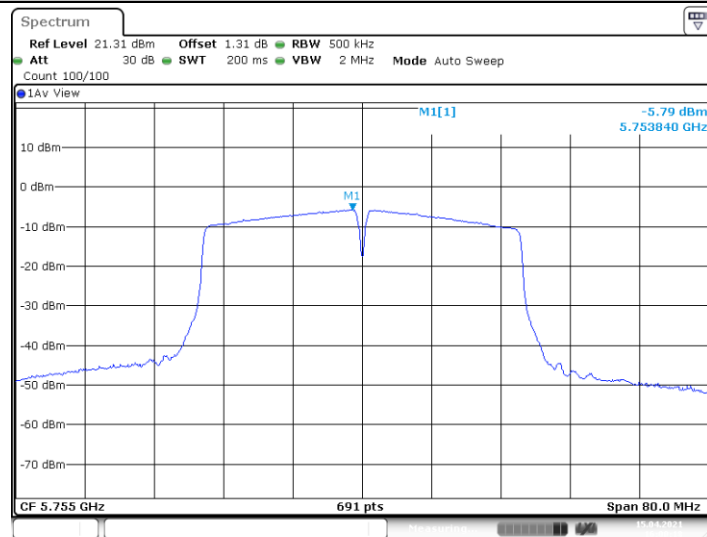
Date: 15.APR.2021 15:56:26

802.11n(HT40)_Ant1_5310



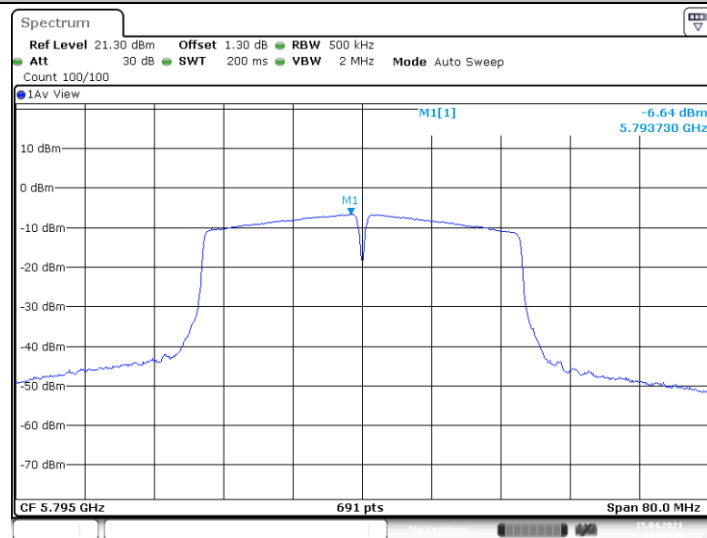
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802.11n(HT40)_Ant1_5755



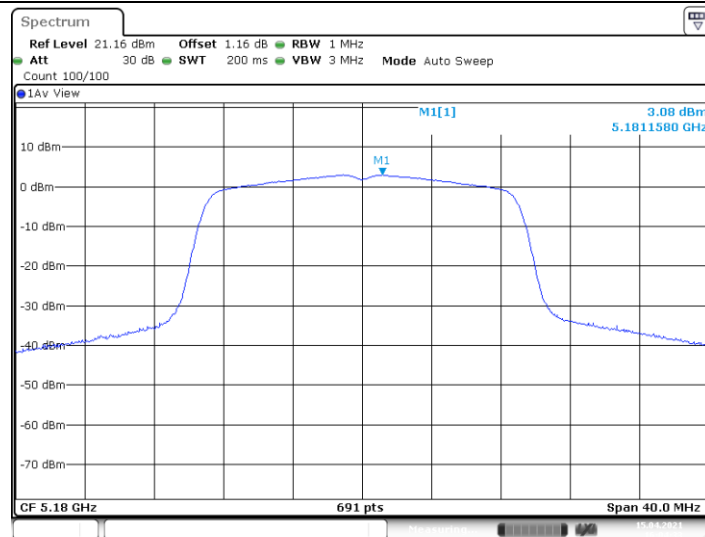
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802.11n(HT40)_Ant1_5795



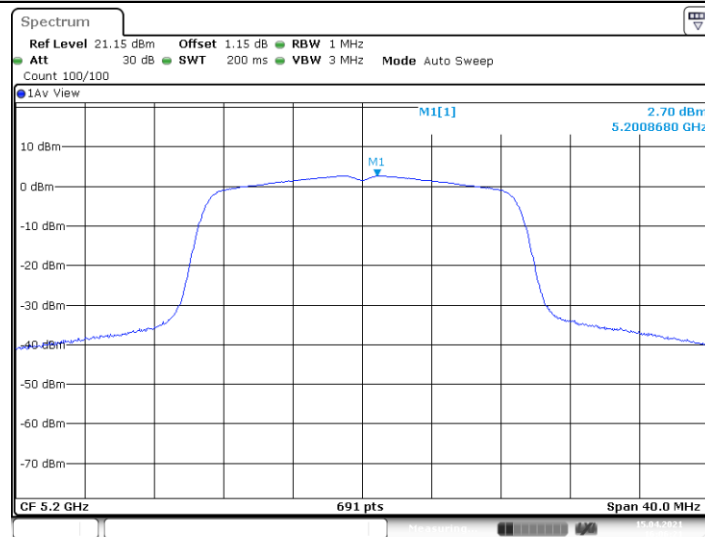
Date: 15.APR.2021 16:02:35

802.11ac(VHT20)_Ant1_5180



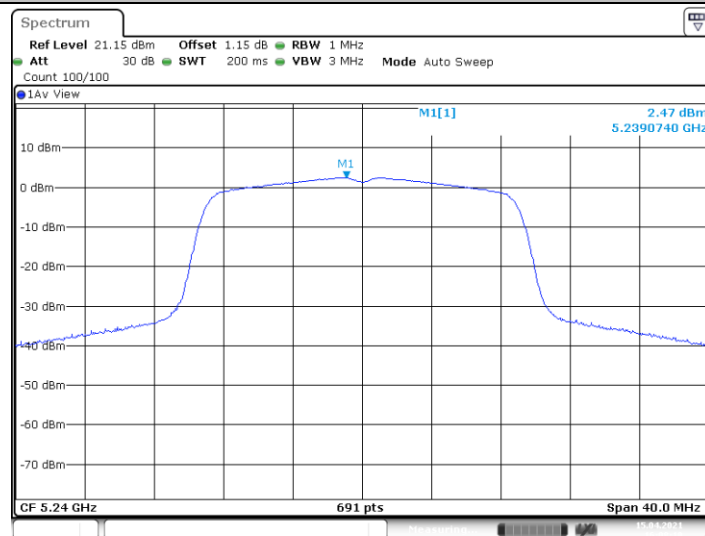
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802.11ac(VHT20)_Ant1_5200



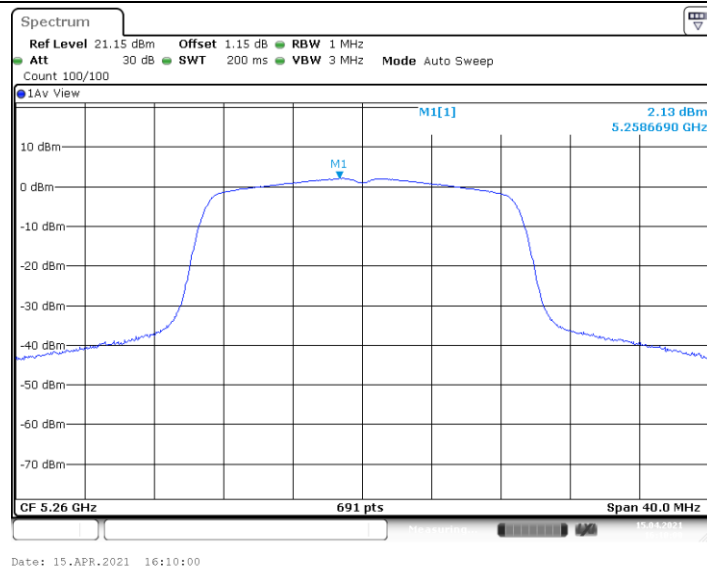
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802.11ac(VHT20)_Ant1_5240

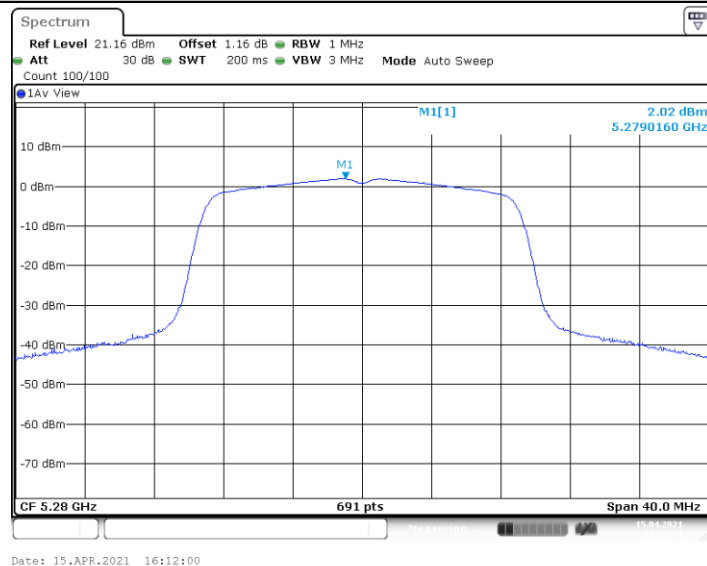


Date: 15.APR.2021 16:08:10

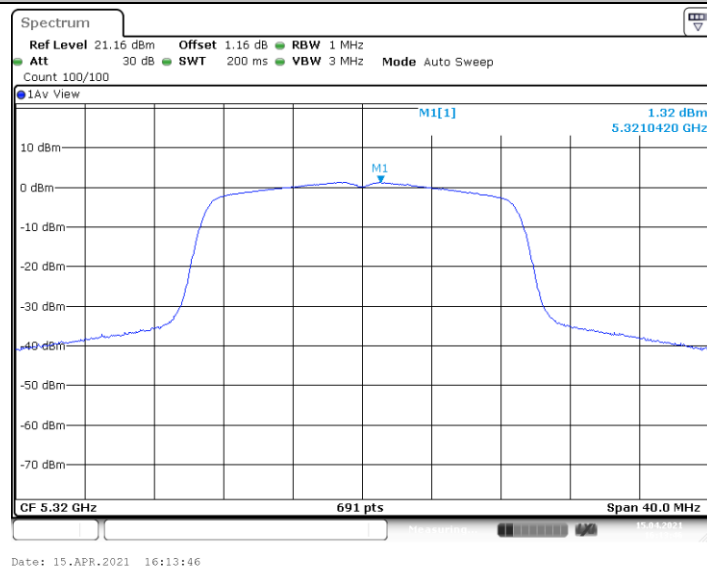
802.11ac(VHT20)_Ant1_5260



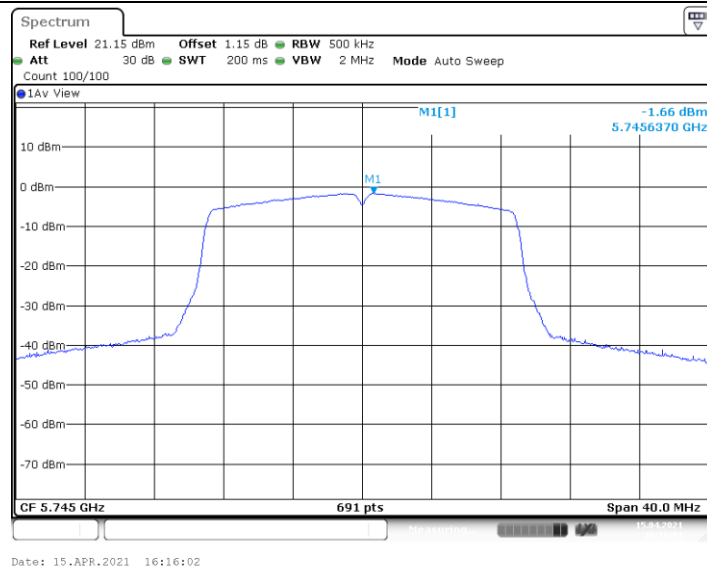
802.11ac(VHT20)_Ant1_5280



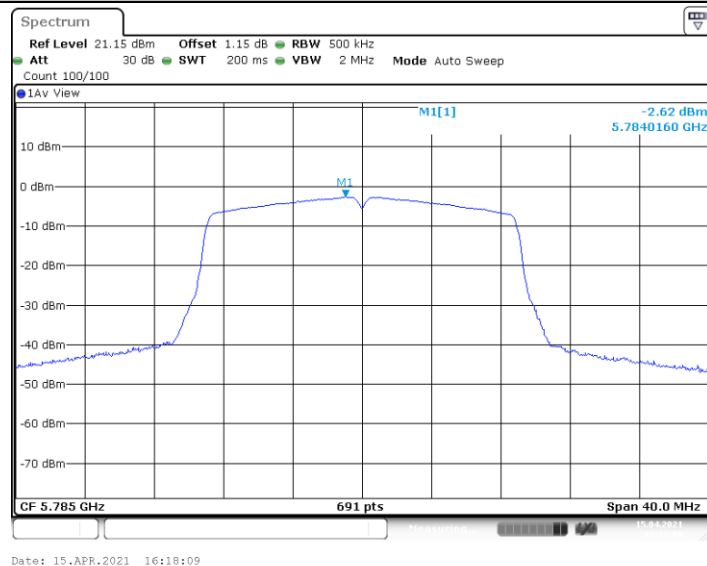
802.11ac(VHT20)_Ant1_5320



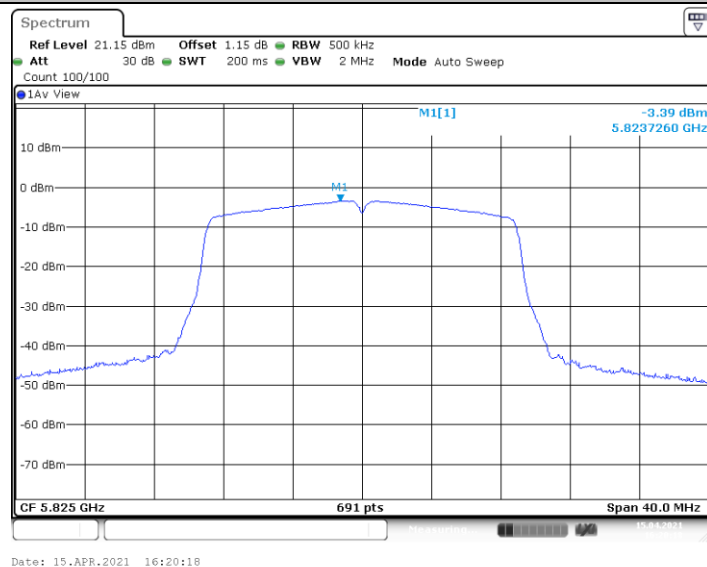
802.11ac(VHT20)_Ant1_5745



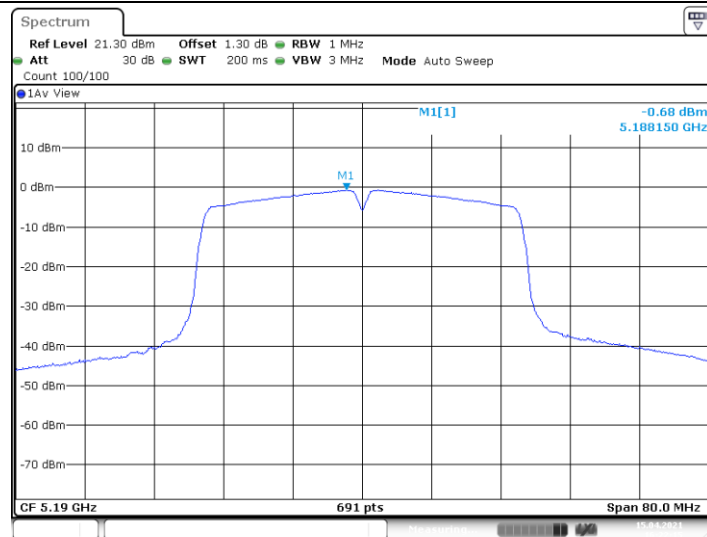
802.11ac(VHT20)_Ant1_5785



802.11ac(VHT20)_Ant1_5825

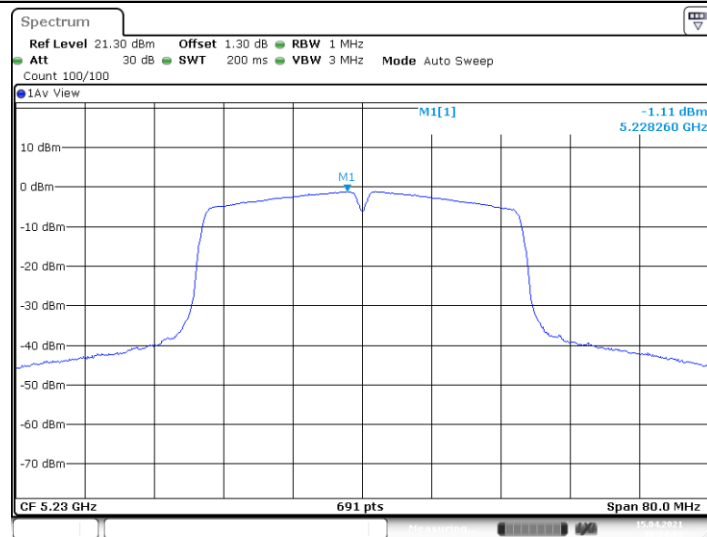


802.11ac(VHT40)_Ant1_5190



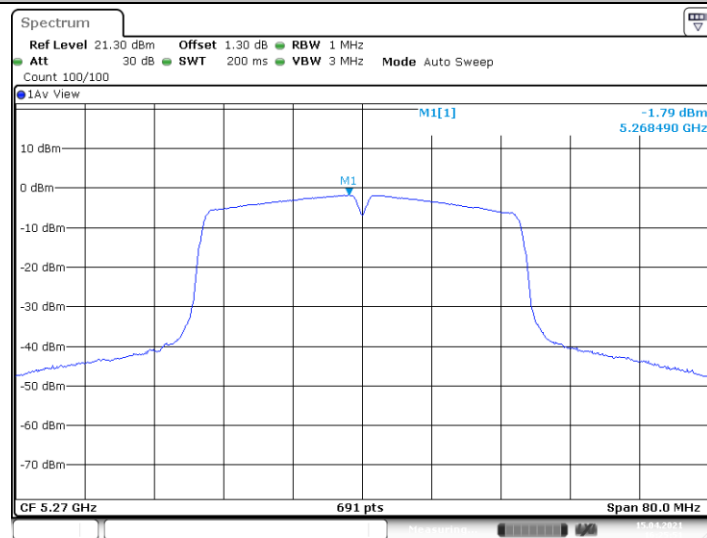
Date: 15.APR.2021 16:22:15

802.11ac(VHT40)_Ant1_5230



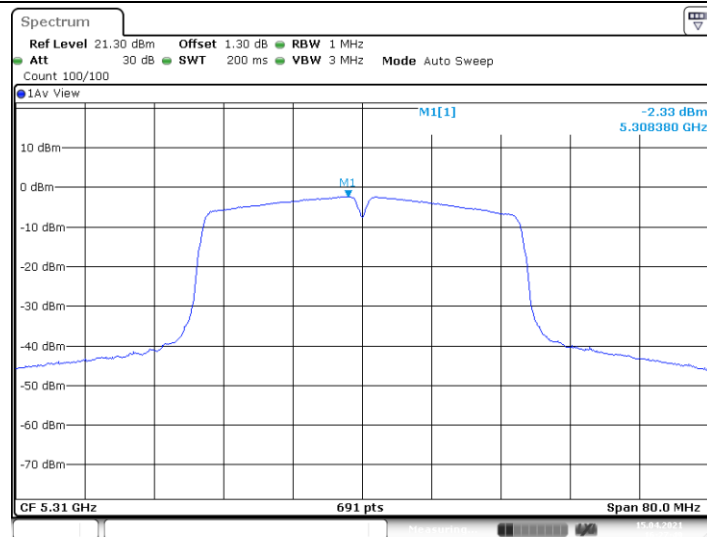
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802.11ac(VHT40)_Ant1_5270



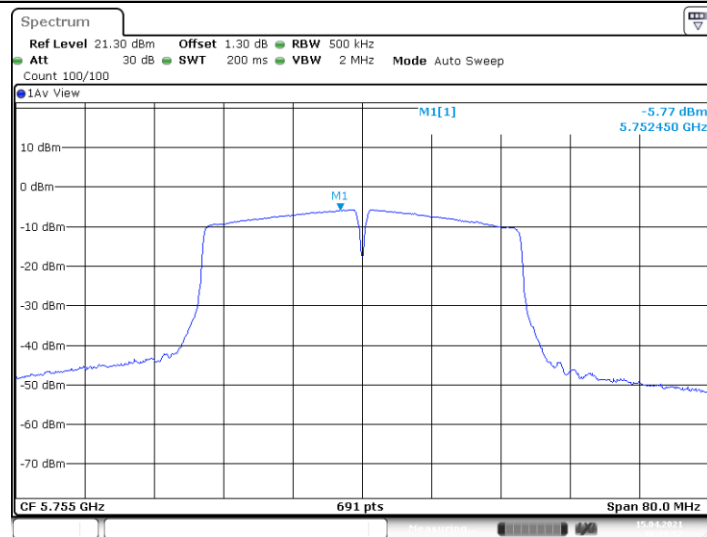
Date: 15.APR.2021 16:25:51

802.11ac(VHT40)_Ant1_5310



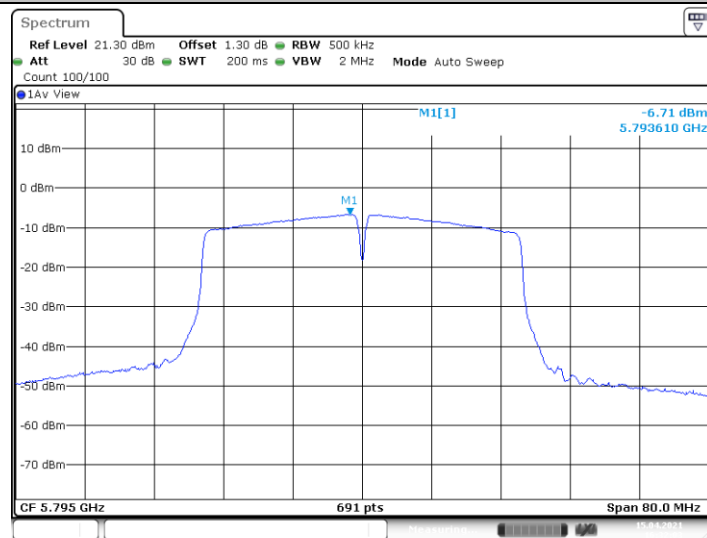
Date: 15.APR.2021 16:27:49

802.11ac(VHT40)_Ant1_5755



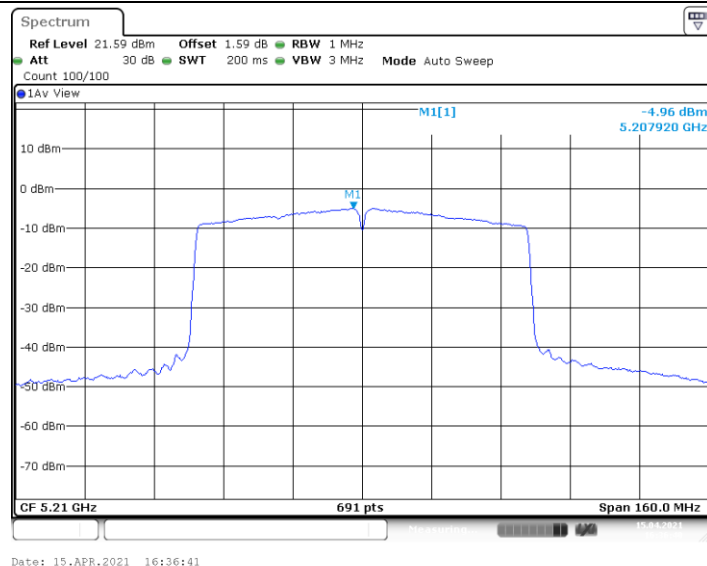
Date: 15.APR.2021 16:29:57

802.11ac(VHT40)_Ant1_5795

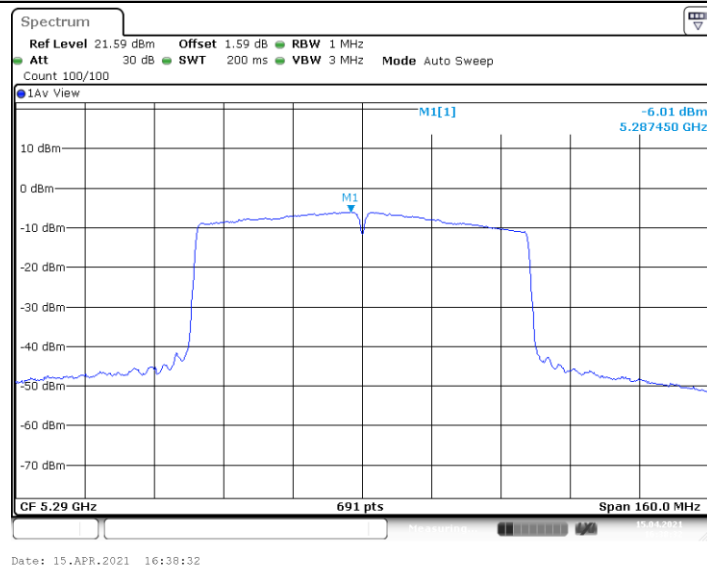


Date: 15.APR.2021 16:32:02

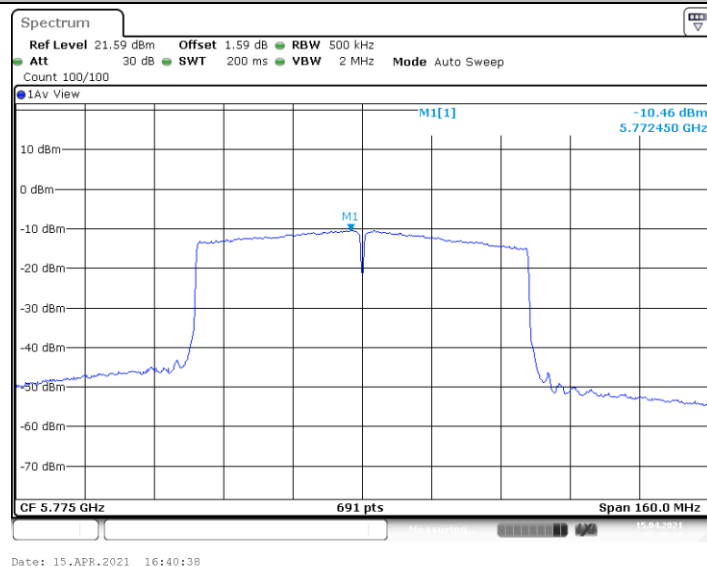
802.11ac(VHT80)_Ant1_5210



802.11ac(VHT80)_Ant1_5290



802.11ac(VHT80)_Ant1_5775



Appendix D: Frequency Stability

Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	NT	-20000	-3.861004	20	PASS
			LV	NT	-21000	-4.054054	20	PASS
			HV	NT	-21000	-4.054054	20	PASS
		5200	NV	NT	-12000	-2.307692	20	PASS
			LV	NT	-13000	-2.500000	20	PASS
			HV	NT	-14000	-2.692308	20	PASS
		5240	NV	NT	-22000	-4.198473	20	PASS
			LV	NT	-22000	-4.198473	20	PASS
			HV	NT	-22000	-4.198473	20	PASS
		5260	NV	NT	-22000	-4.182510	20	PASS
			LV	NT	-22000	-4.182510	20	PASS
			HV	NT	-22000	-4.182510	20	PASS
		5280	NV	NT	-25000	-4.734848	20	PASS
			LV	NT	-25000	-4.734848	20	PASS
			HV	NT	-25000	-4.734848	20	PASS
		5320	NV	NT	-26000	-4.887218	20	PASS
			LV	NT	-26000	-4.887218	20	PASS
			HV	NT	-26000	-4.887218	20	PASS
		5745	NV	NT	-22000	-3.829417	20	PASS
			LV	NT	-22000	-3.829417	20	PASS
			HV	NT	-23000	-4.003481	20	PASS
		5785	NV	NT	-28000	-4.840104	20	PASS
			LV	NT	-28000	-4.840104	20	PASS
			HV	NT	-28000	-4.840104	20	PASS
		5825	NV	NT	-30000	-5.150215	20	PASS
			LV	NT	-30000	-5.150215	20	PASS
			HV	NT	-30000	-5.150215	20	PASS
40MHz	Ant1	5190	NV	NT	-27000	-5.202312	20	PASS
			LV	NT	-27000	-5.202312	20	PASS
			HV	NT	-26000	-5.009634	20	PASS
		5230	NV	NT	-26000	-4.971319	20	PASS
			LV	NT	-26000	-4.971319	20	PASS
			HV	NT	-26000	-4.971319	20	PASS
		5270	NV	NT	-26000	-4.933586	20	PASS
			LV	NT	-26000	-4.933586	20	PASS
			HV	NT	-26000	-4.933586	20	PASS
		5310	NV	NT	-27000	-5.084746	20	PASS
			LV	NT	-27000	-5.084746	20	PASS
			HV	NT	-27000	-5.084746	20	PASS
		5755	NV	NT	-29000	-5.039096	20	PASS

		5795	LV	NT	-29000	-5.039096	20	PASS
			HV	NT	-29000	-5.039096	20	PASS
			NV	NT	-30000	-5.176877	20	PASS
			LV	NT	-30000	-5.176877	20	PASS
			HV	NT	-30000	-5.176877	20	PASS
			NV	NT	-28000	-5.374280	20	PASS
80MHz	Ant1	5210	LV	NT	-27000	-5.182342	20	PASS
			HV	NT	-27000	-5.182342	20	PASS
			NV	NT	-27000	-5.103970	20	PASS
		5290	LV	NT	-27000	-5.103970	20	PASS
			HV	NT	-27000	-5.103970	20	PASS
			NV	NT	-30000	-5.194805	20	PASS
		5775	LV	NT	-30000	-5.194805	20	PASS
			HV	NT	-30000	-5.194805	20	PASS
			NV	NT	-30000	-5.194805	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	0	-23000	-4.440154	20	PASS
			NV	10	-23000	-4.440154	20	PASS
			NV	20	-23000	-4.440154	20	PASS
			NV	30	-24000	-4.633205	20	PASS
			NV	40	-24000	-4.633205	20	PASS
			NV	50	-24000	-4.633205	20	PASS
		5200	NV	0	-18000	-3.461538	20	PASS
			NV	10	-19000	-3.653846	20	PASS
			NV	20	-19000	-3.653846	20	PASS
			NV	30	-20000	-3.846154	20	PASS
			NV	40	-20000	-3.846154	20	PASS
			NV	50	-21000	-4.038462	20	PASS
		5240	NV	0	-23000	-4.389313	20	PASS
			NV	10	-23000	-4.389313	20	PASS
			NV	20	-24000	-4.580153	20	PASS
			NV	30	-24000	-4.580153	20	PASS
			NV	40	-24000	-4.580153	20	PASS
			NV	50	-24000	-4.580153	20	PASS
		5260	NV	0	-23000	-4.372624	20	PASS
			NV	10	-24000	-4.562738	20	PASS
			NV	20	-24000	-4.562738	20	PASS
			NV	30	-24000	-4.562738	20	PASS
			NV	40	-24000	-4.562738	20	PASS
			NV	50	-24000	-4.562738	20	PASS
		5280	NV	0	-25000	-4.734848	20	PASS
			NV	10	-25000	-4.734848	20	PASS
			NV	20	-25000	-4.734848	20	PASS
			NV	30	-25000	-4.734848	20	PASS

			NV	40	-26000	-4.924242	20	PASS
			NV	50	-26000	-4.924242	20	PASS
		5320	NV	0	-26000	-4.887218	20	PASS
			NV	10	-26000	-4.887218	20	PASS
			NV	20	-26000	-4.887218	20	PASS
			NV	30	-26000	-4.887218	20	PASS
			NV	40	-26000	-4.887218	20	PASS
			NV	50	-27000	-5.075188	20	PASS
		5745	NV	0	-25000	-4.35161	20	PASS
			NV	10	-26000	-4.525674	20	PASS
			NV	20	-26000	-4.525674	20	PASS
			NV	30	-27000	-4.699739	20	PASS
			NV	40	-27000	-4.699739	20	PASS
			NV	50	-27000	-4.699739	20	PASS
		5785	NV	0	-29000	-5.012965	20	PASS
			NV	10	-29000	-5.012965	20	PASS
			NV	20	-29000	-5.012965	20	PASS
			NV	30	-29000	-5.012965	20	PASS
			NV	40	-29000	-5.012965	20	PASS
			NV	50	-29000	-5.012965	20	PASS
		5825	NV	0	-30000	-5.150215	20	PASS
			NV	10	-30000	-5.150215	20	PASS
			NV	20	-30000	-5.150215	20	PASS
			NV	30	-30000	-5.150215	20	PASS
			NV	40	-30000	-5.150215	20	PASS
			NV	50	-30000	-5.150215	20	PASS
40MHz	Ant1	5190	NV	0	-26000	-5.009634	20	PASS
			NV	10	-26000	-5.009634	20	PASS
			NV	20	-26000	-5.009634	20	PASS
			NV	30	-26000	-5.009634	20	PASS
			NV	40	-26000	-5.009634	20	PASS
			NV	50	-26000	-5.009634	20	PASS
		5230	NV	0	-26000	-4.971319	20	PASS
			NV	10	-26000	-4.971319	20	PASS
			NV	20	-26000	-4.971319	20	PASS
			NV	30	-26000	-4.971319	20	PASS
			NV	40	-26000	-4.971319	20	PASS
			NV	50	-26000	-4.971319	20	PASS
		5270	NV	0	-26000	-4.933586	20	PASS
			NV	10	-26000	-4.933586	20	PASS
			NV	20	-26000	-4.933586	20	PASS
			NV	30	-26000	-4.933586	20	PASS
			NV	40	-27000	-5.12334	20	PASS
			NV	50	-26000	-4.933586	20	PASS
		5310	NV	0	-27000	-5.084746	20	PASS
			NV	10	-27000	-5.084746	20	PASS

			NV	20	-27000	-5.084746	20	PASS
			NV	30	-27000	-5.084746	20	PASS
			NV	40	-27000	-5.084746	20	PASS
			NV	50	-27000	-5.084746	20	PASS
		5755	NV	0	-30000	-5.212858	20	PASS
			NV	10	-30000	-5.212858	20	PASS
			NV	20	-30000	-5.212858	20	PASS
			NV	30	-30000	-5.212858	20	PASS
			NV	40	-30000	-5.212858	20	PASS
			NV	50	-30000	-5.212858	20	PASS
		5795	NV	0	-30000	-5.176877	20	PASS
			NV	10	-30000	-5.176877	20	PASS
			NV	20	-30000	-5.176877	20	PASS
			NV	30	-30000	-5.176877	20	PASS
			NV	40	-30000	-5.176877	20	PASS
			NV	50	-30000	-5.176877	20	PASS
80MHz	Ant1	5210	NV	0	-27000	-5.182342	20	PASS
			NV	10	-27000	-5.182342	20	PASS
			NV	20	-27000	-5.182342	20	PASS
			NV	30	-27000	-5.182342	20	PASS
			NV	40	-27000	-5.182342	20	PASS
			NV	50	-27000	-5.182342	20	PASS
		5290	NV	0	-27000	-5.103970	20	PASS
			NV	10	-27000	-5.103970	20	PASS
			NV	20	-27000	-5.103970	20	PASS
			NV	30	-27000	-5.103970	20	PASS
			NV	40	-27000	-5.103970	20	PASS
			NV	50	-27000	-5.103970	20	PASS
		5775	NV	0	-30000	-5.194805	20	PASS
			NV	10	-30000	-5.194805	20	PASS
			NV	20	-30000	-5.194805	20	PASS
			NV	30	-30000	-5.194805	20	PASS
			NV	40	-30000	-5.194805	20	PASS
			NV	50	-30000	-5.194805	20	PASS

Appendix E: Duty Cycle

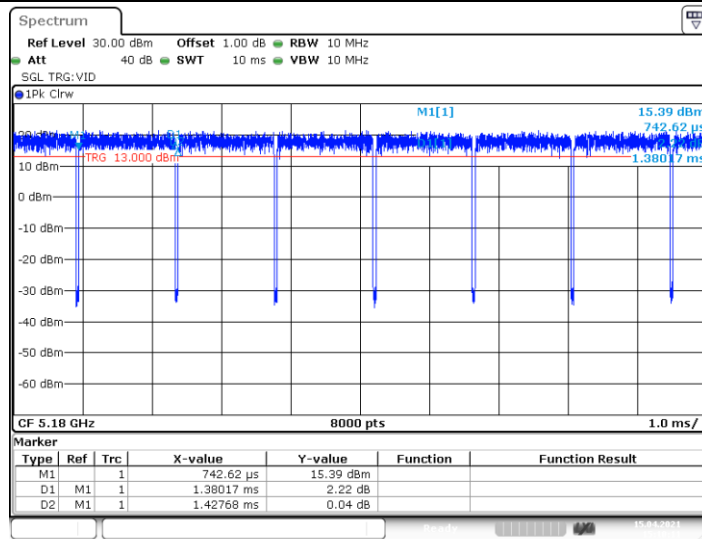
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11a	Ant1	5180	1.38	1.43	96.67	0.72	1
		5200	1.38	1.43	96.76	0.72	1
		5240	1.38	1.43	96.76	0.72	1
		5260	1.38	1.43	96.76	0.72	1
		5280	1.38	1.43	96.76	0.72	1
		5320	1.38	1.43	96.76	0.72	1
		5745	1.38	1.43	96.67	0.72	1
		5785	1.38	1.43	96.76	0.72	1
		5825	1.38	1.43	96.67	0.72	1
802.11n(HT20)	Ant1	5180	1.29	1.34	96.45	0.78	1
		5200	1.29	1.34	96.54	0.78	1
		5240	1.29	1.34	96.45	0.78	1
		5260	1.29	1.34	96.54	0.78	1
		5280	1.29	1.34	96.45	0.78	1
		5320	1.29	1.34	96.54	0.78	1
		5745	1.29	1.34	96.45	0.78	1
		5785	1.29	1.34	96.54	0.78	1
		5825	1.29	1.34	96.54	0.78	1
802.11n(HT40)	Ant1	5190	0.64	0.69	93.27	1.56	3
		5230	0.64	0.69	93.27	1.56	3
		5270	0.64	0.69	93.27	1.56	3
		5310	0.64	0.69	93.27	1.56	3
		5755	0.64	0.69	93.10	1.56	3
		5795	0.64	0.69	93.27	1.56	3
802.11ac(VHT20)	Ant1	5180	1.30	1.35	96.48	0.77	1
		5200	1.30	1.35	96.57	0.77	1
		5240	1.30	1.35	96.57	0.77	1
		5260	1.30	1.35	96.57	0.77	1
		5280	1.30	1.35	96.48	0.77	1
		5320	1.30	1.35	96.48	0.77	1
		5745	1.30	1.35	96.57	0.77	1
		5785	1.30	1.35	96.57	0.77	1
		5825	1.30	1.35	96.57	0.77	1
802.11ac(VHT40)	Ant1	5190	0.65	0.69	93.31	1.54	3
		5230	0.65	0.69	93.31	1.54	3
		5270	0.65	0.69	93.31	1.54	3
		5310	0.65	0.69	93.31	1.54	3
		5755	0.65	0.69	93.31	1.54	3
		5795	0.65	0.69	93.31	1.54	3

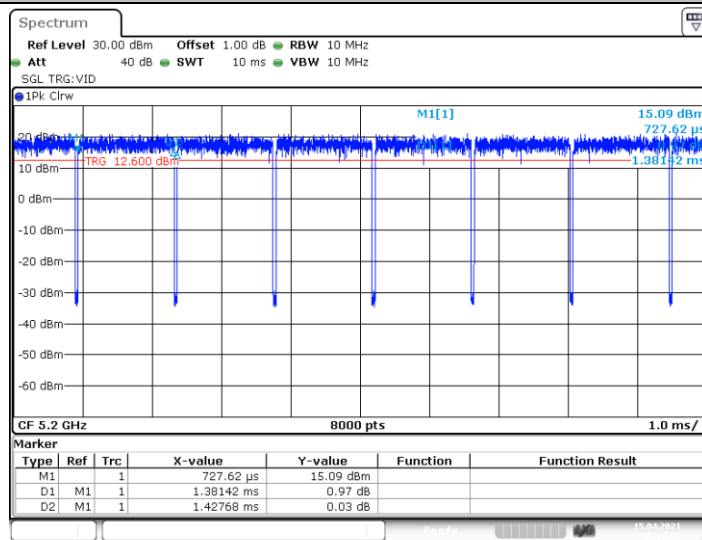
802.11ac(VHT80)	Ant1	5210	0.32	0.37	87.37	2.70	3
		5290	0.32	0.37	87.37	2.70	3
		5775	0.32	0.37	87.37	2.70	3

Test Graphs

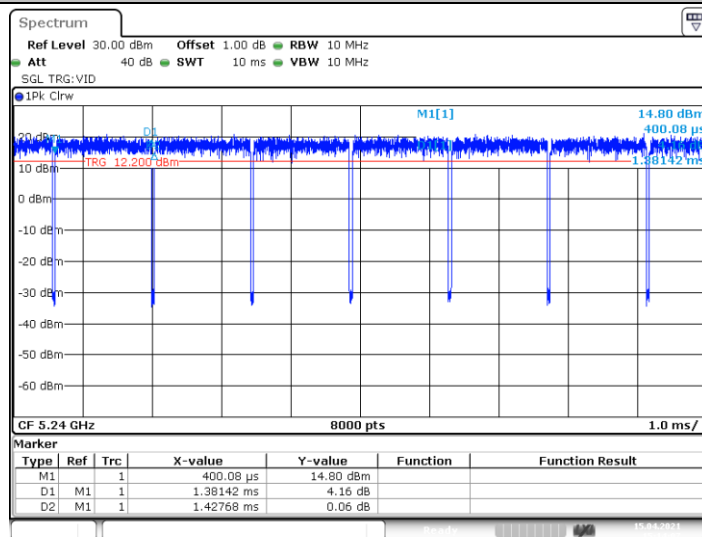
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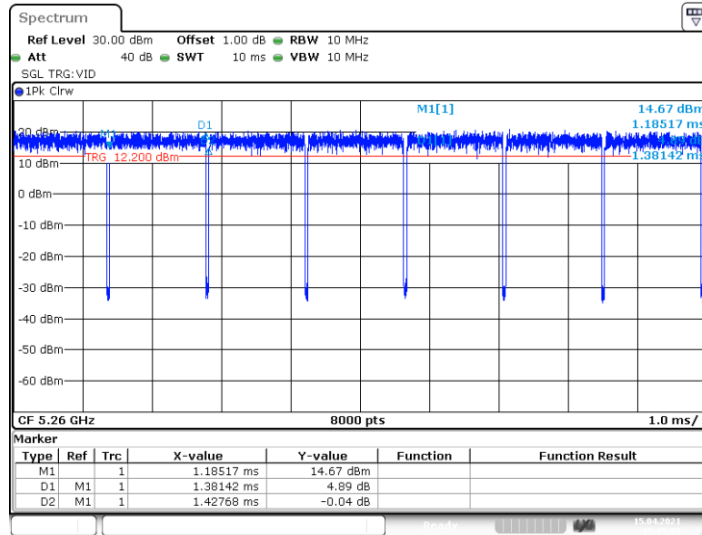
802.11a_Ant1_5200



802.11a_Ant1_5240

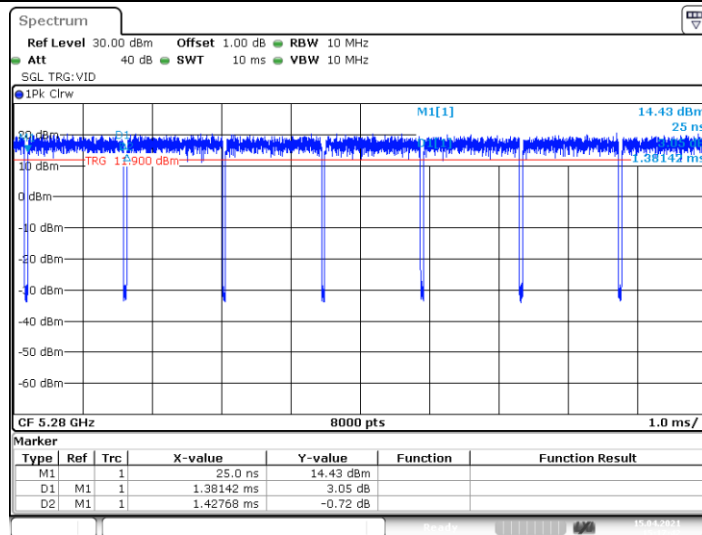


802.11a_Ant1_5260



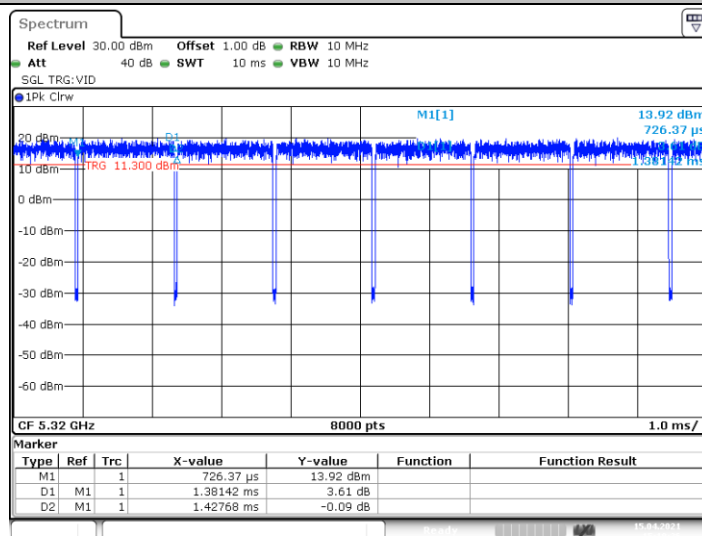
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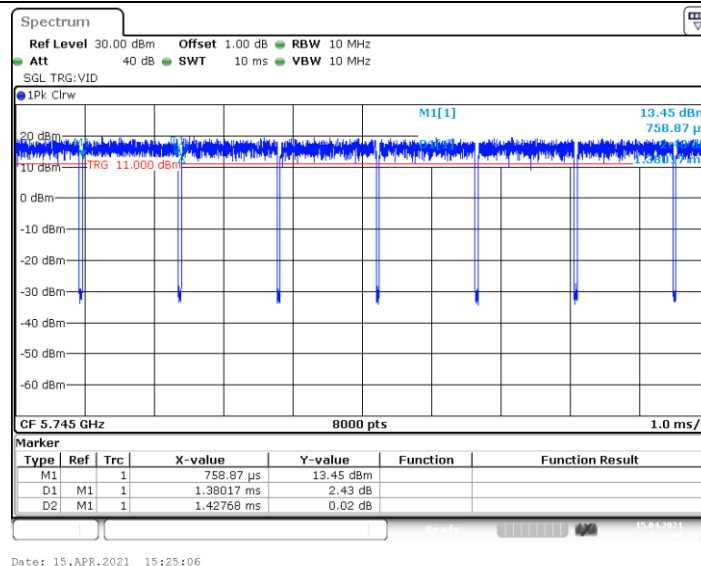
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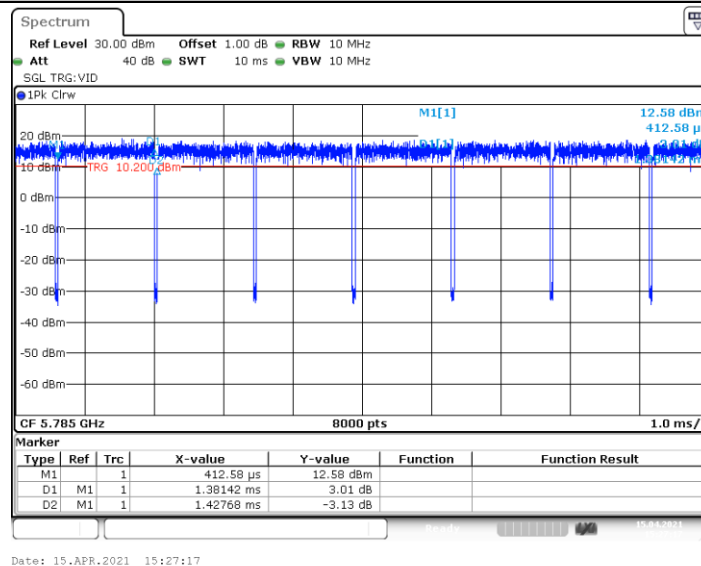


Date: 15.APR.2021 15:19:35

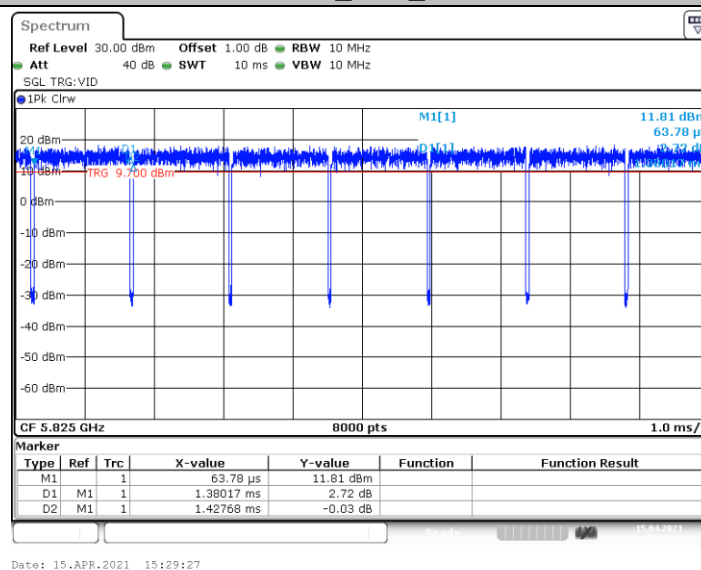
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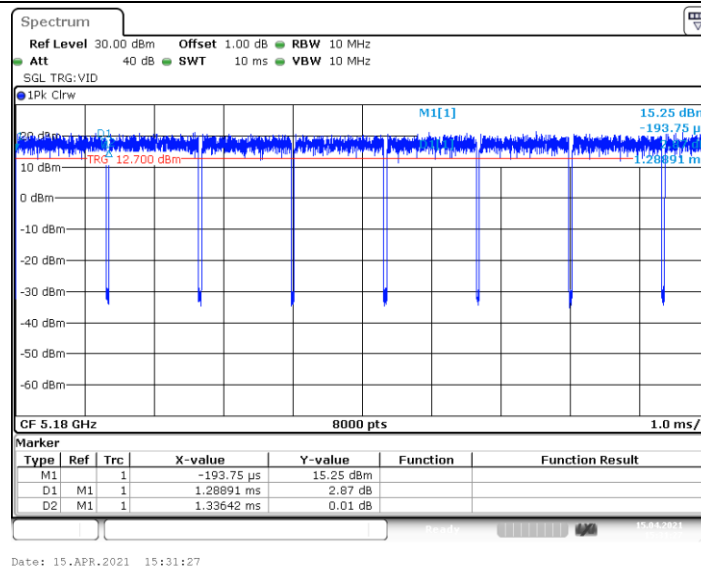
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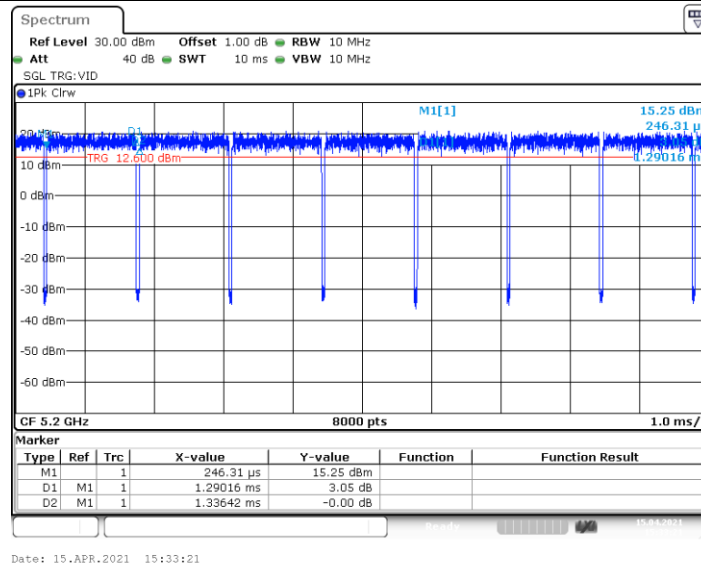
802.11a_Ant1_5825



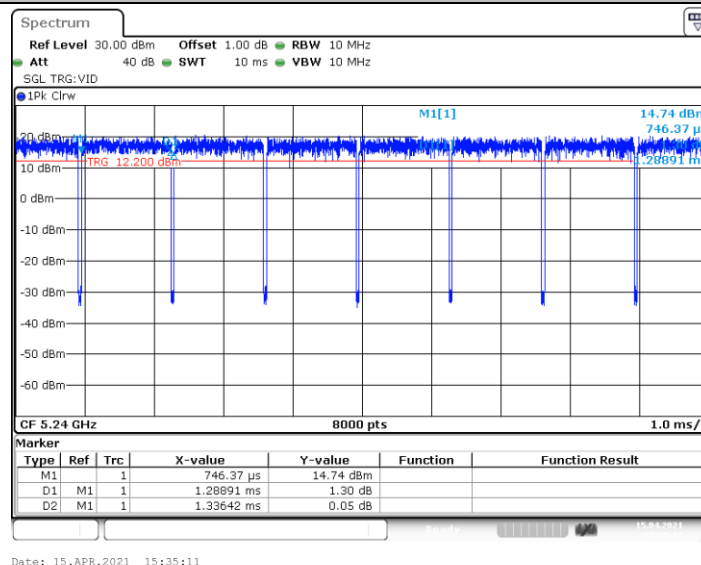
802.11n(HT20)_Ant1_5180



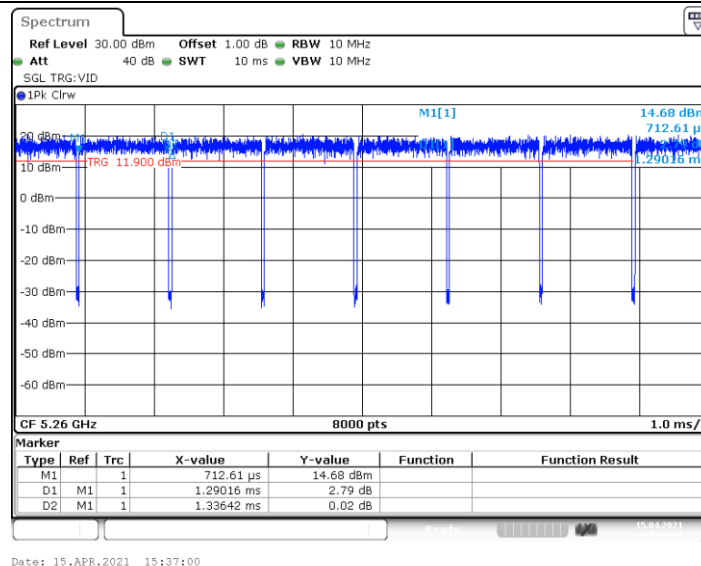
802.11n(HT20)_Ant1_5200



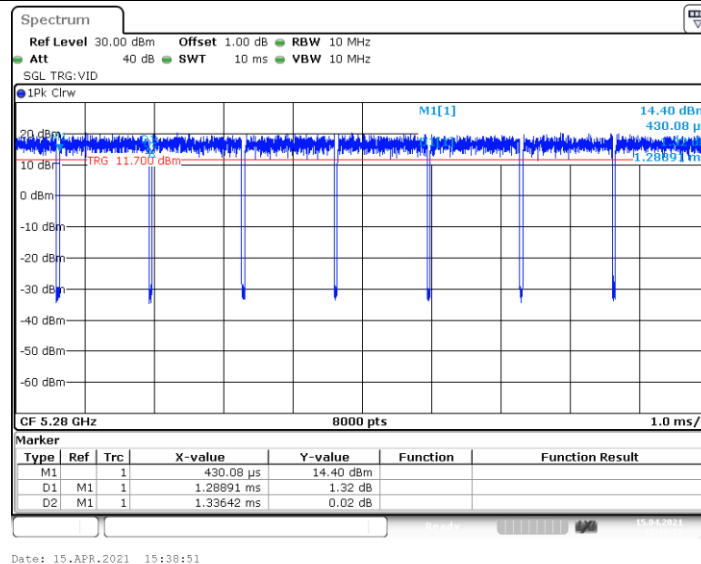
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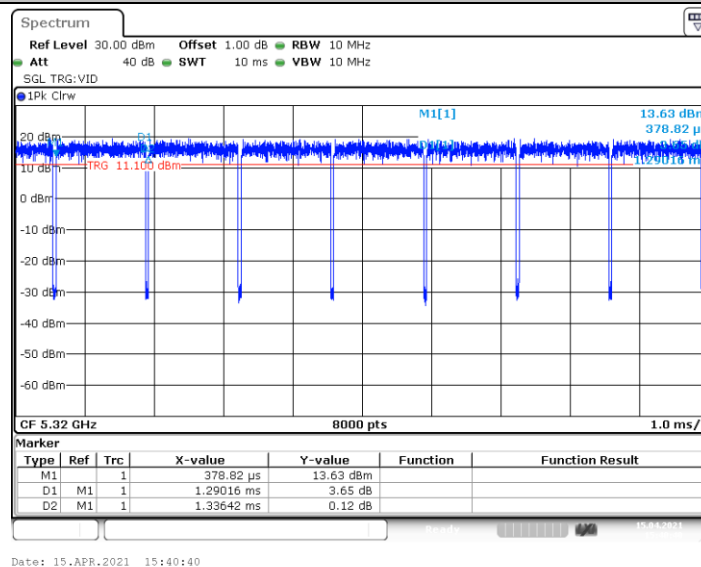
802.11n(HT20)_Ant1_5260



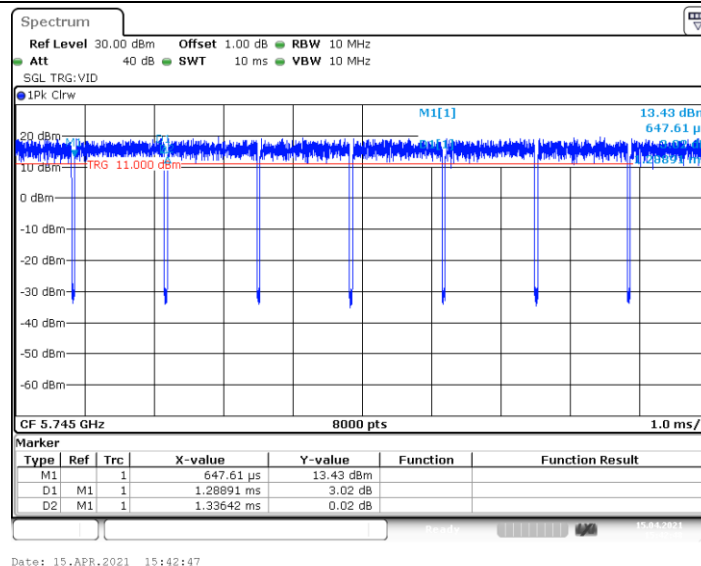
802.11n(HT20)_Ant1_5280



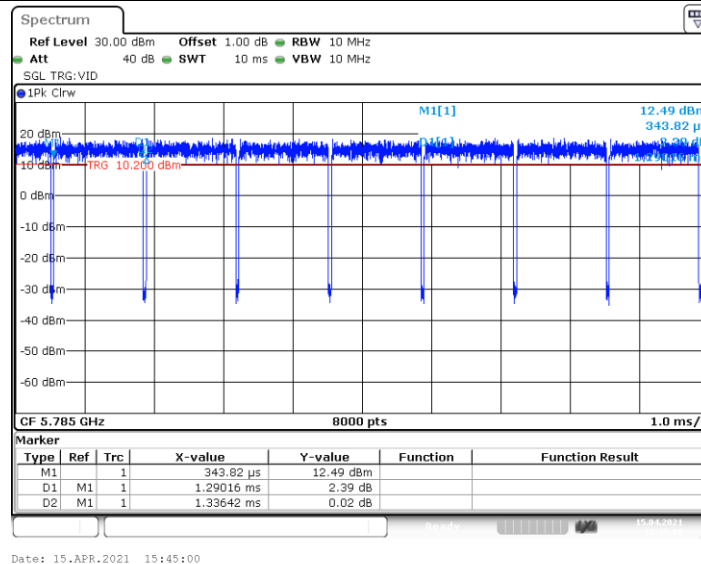
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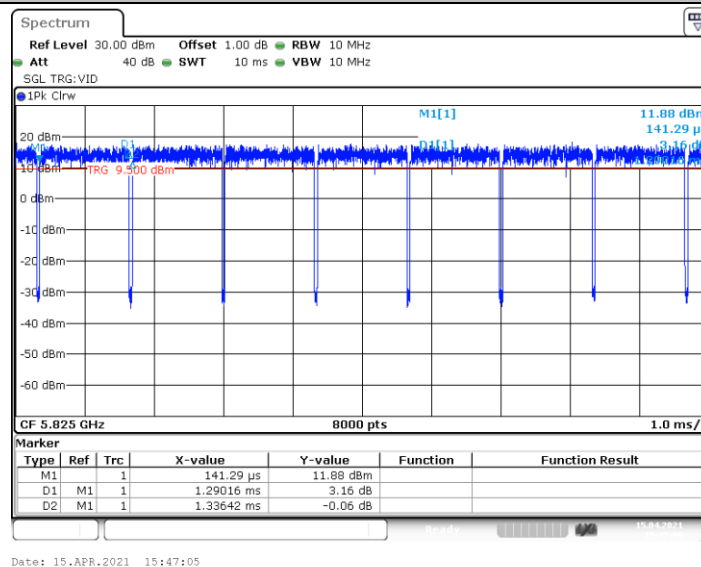
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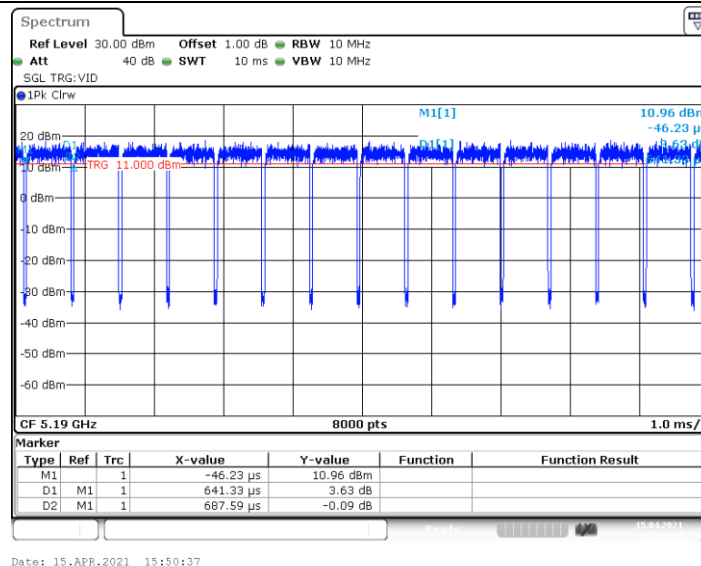
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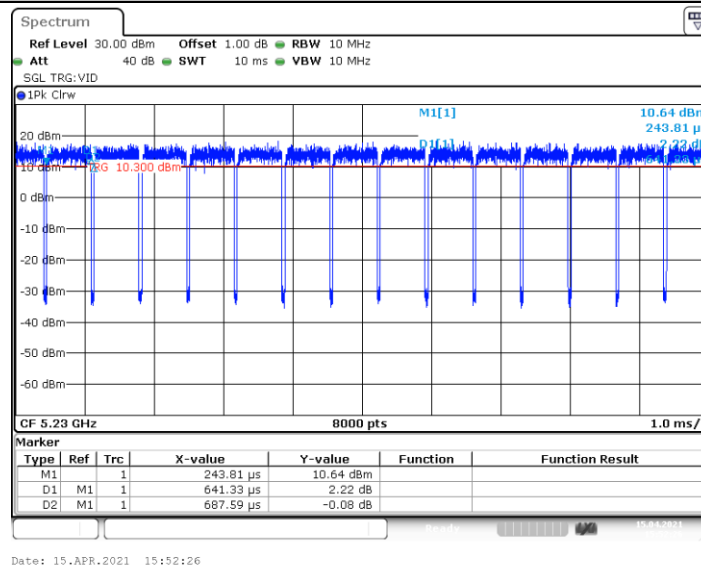
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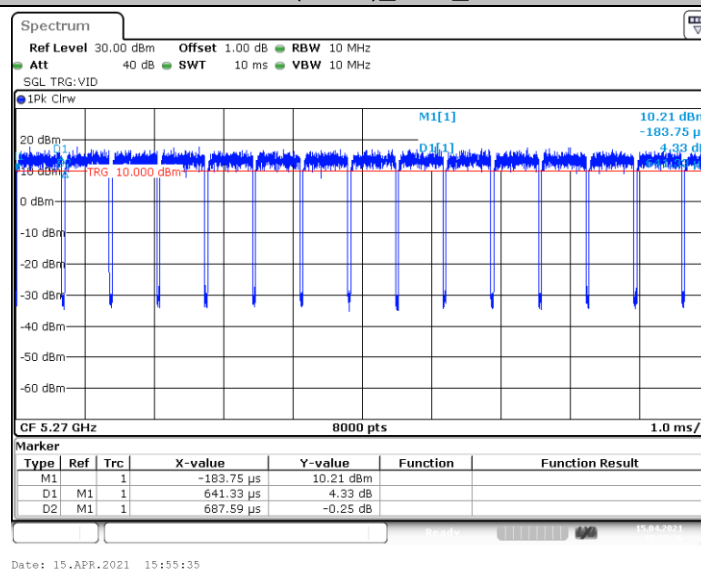
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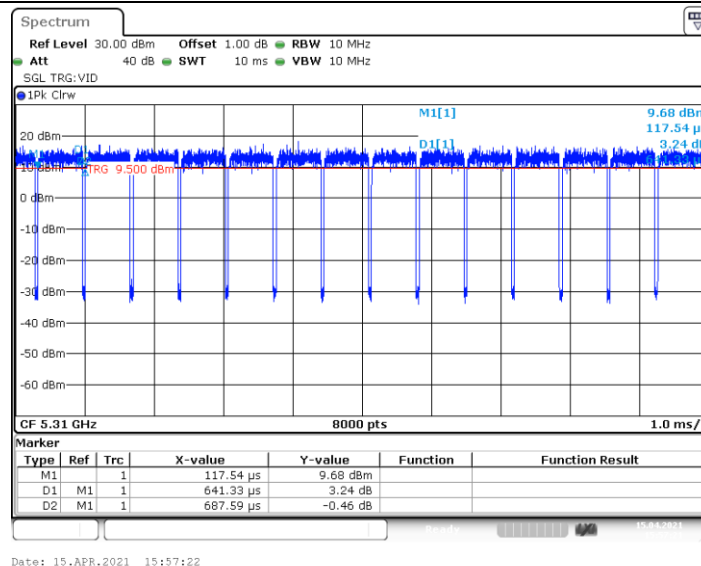
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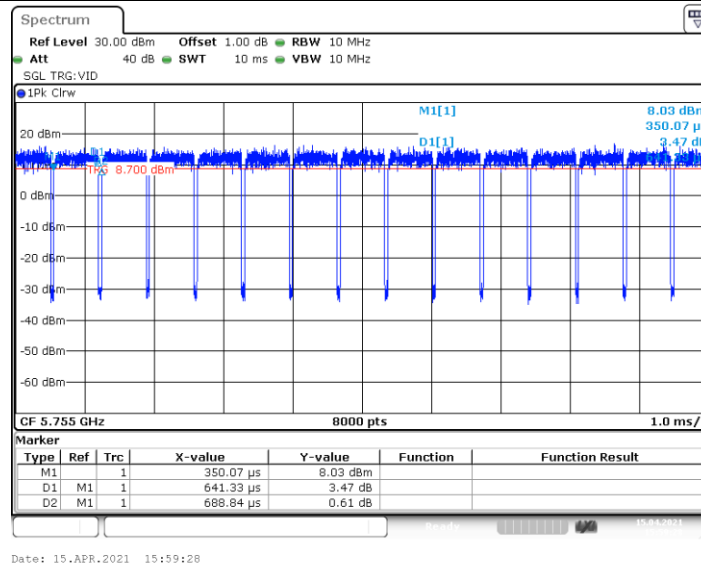
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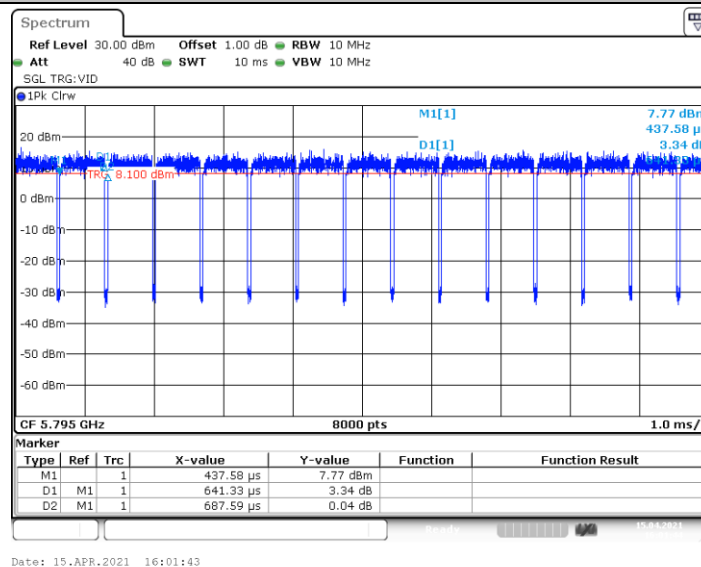
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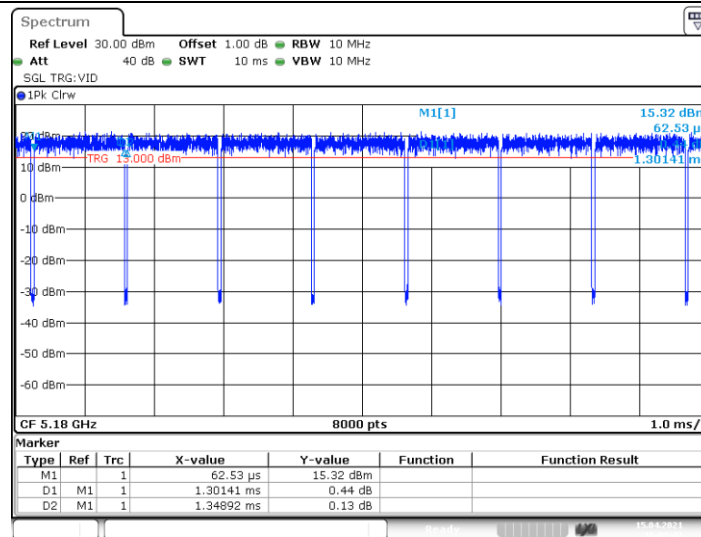
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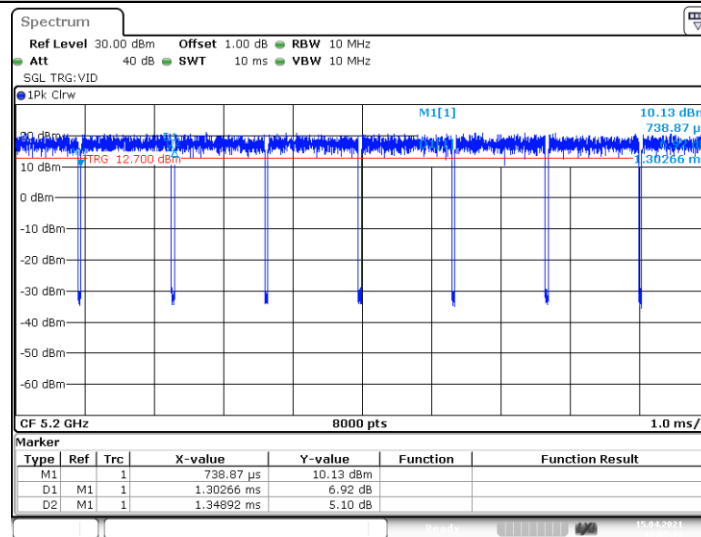
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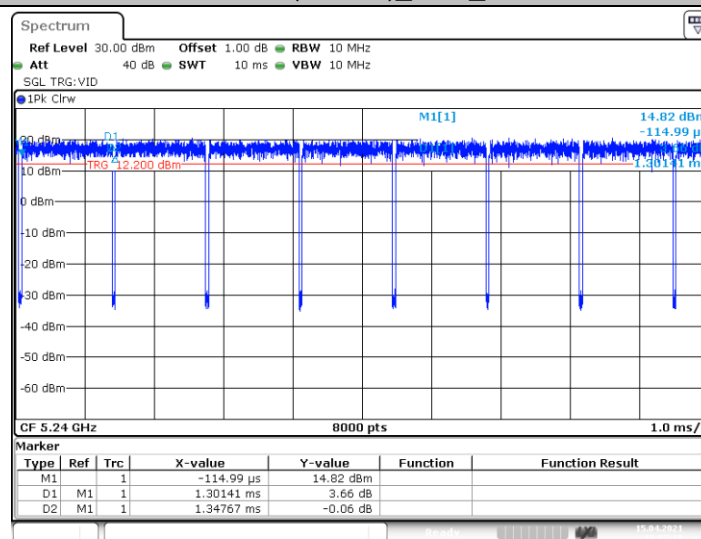
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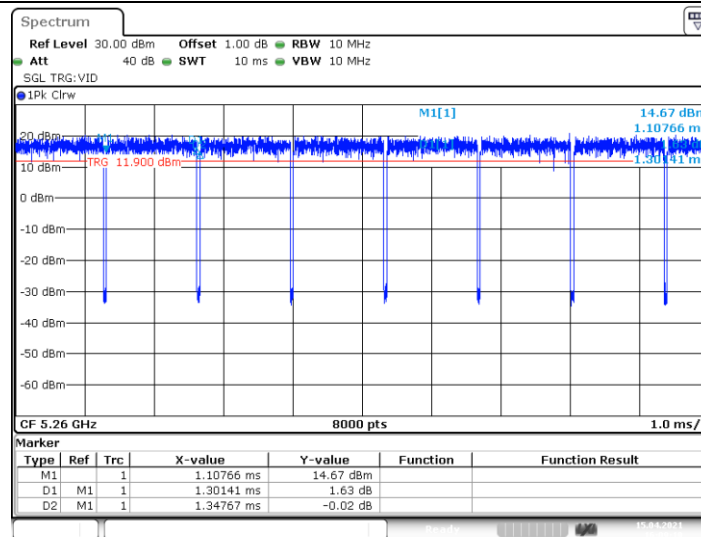
802.11ac(VHT20)_Ant1_5200



802.11ac(VHT20)_Ant1_5240

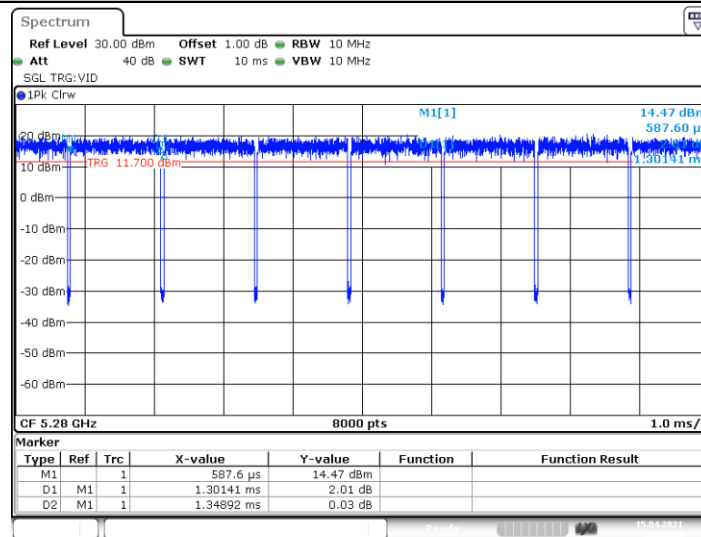


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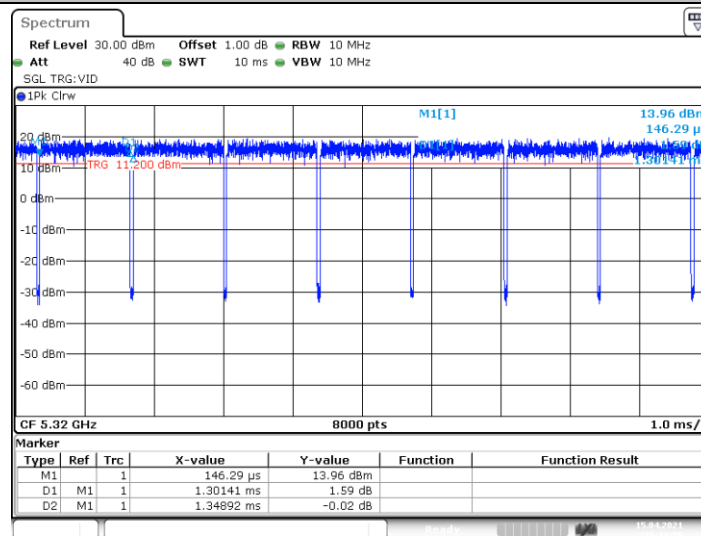
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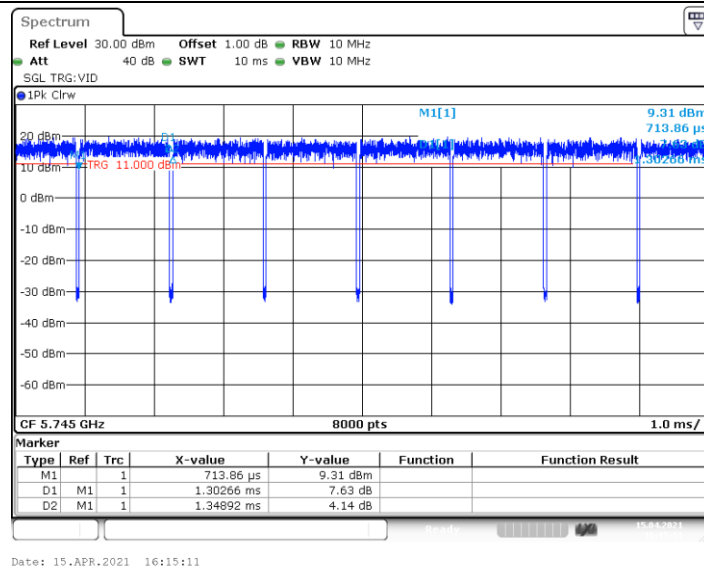
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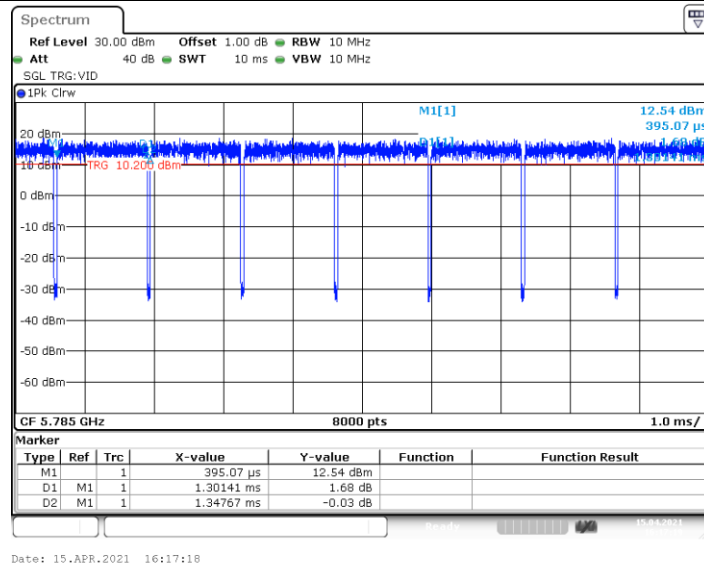


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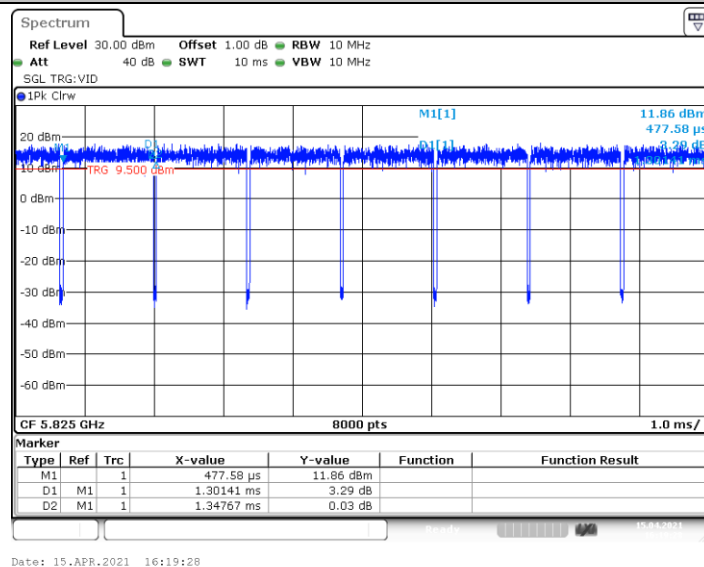
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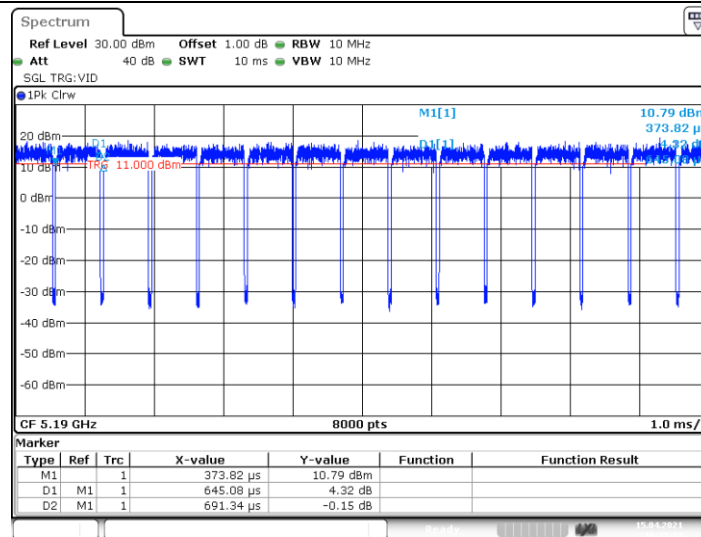
802.11ac(VHT20)_Ant1_5785



802.11ac(VHT20)_Ant1_5825

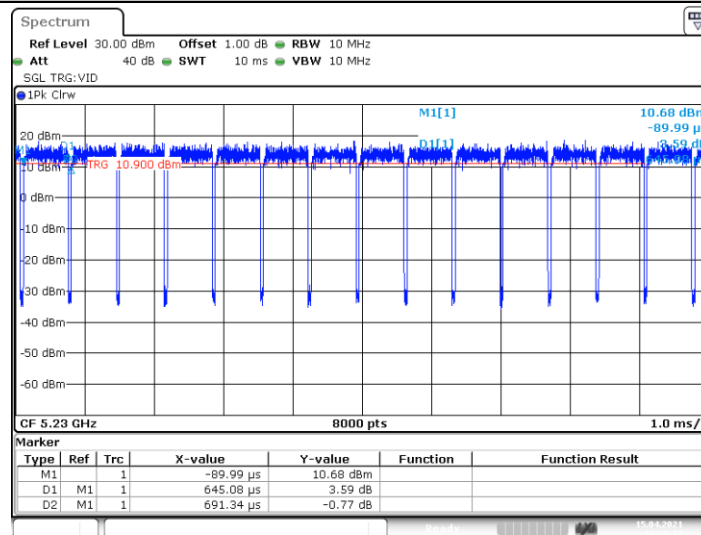


802.11ac(VHT40)_Ant1_5190



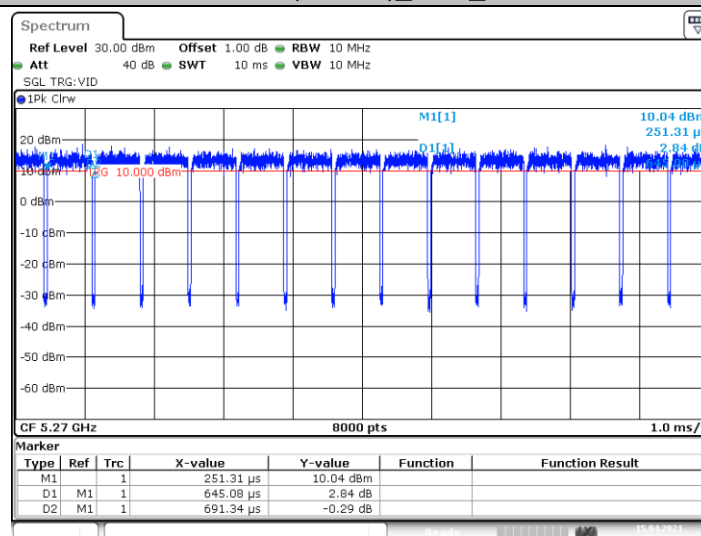
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802.11ac(VHT40)_Ant1_5230



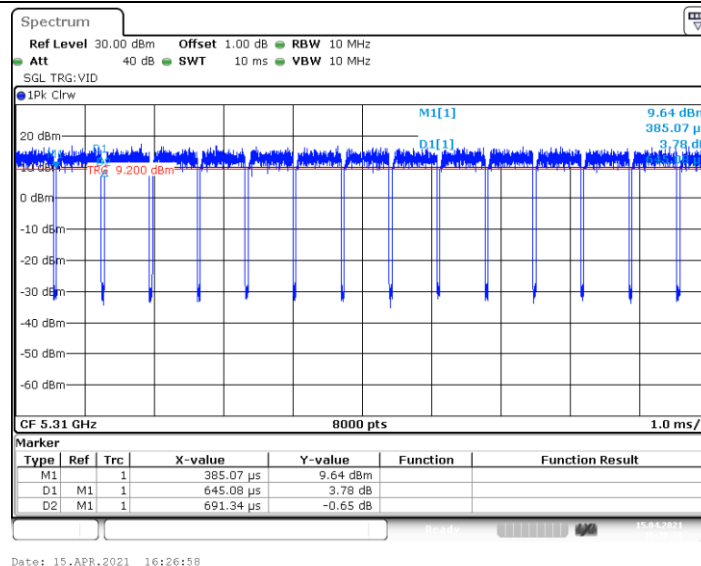
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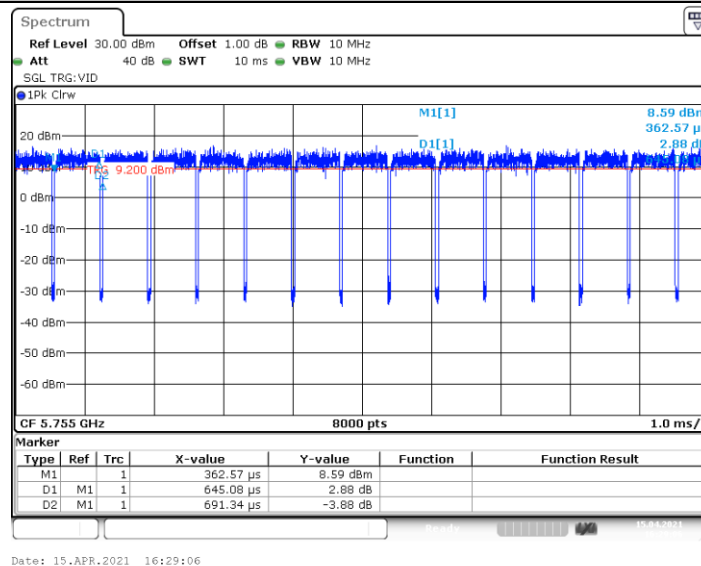


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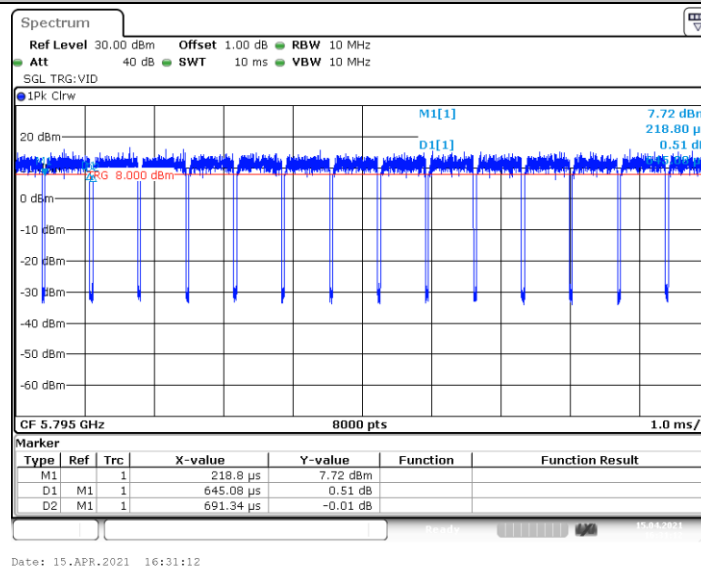
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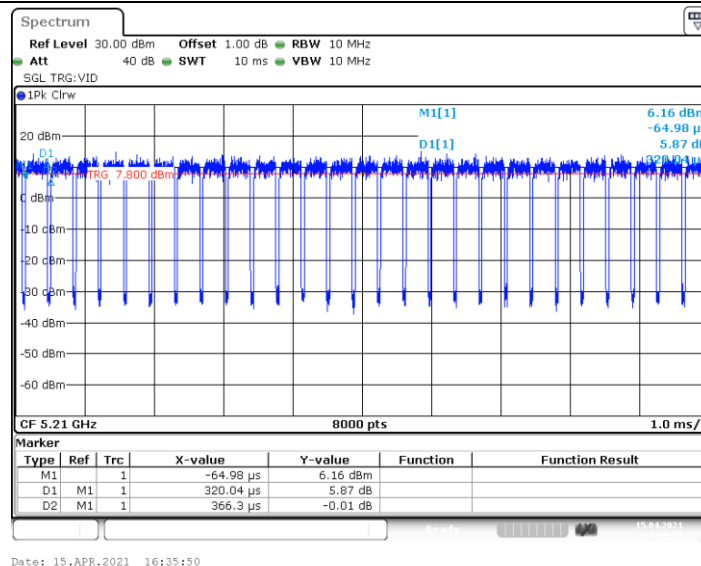
802.11ac(VHT40)_Ant1_5755



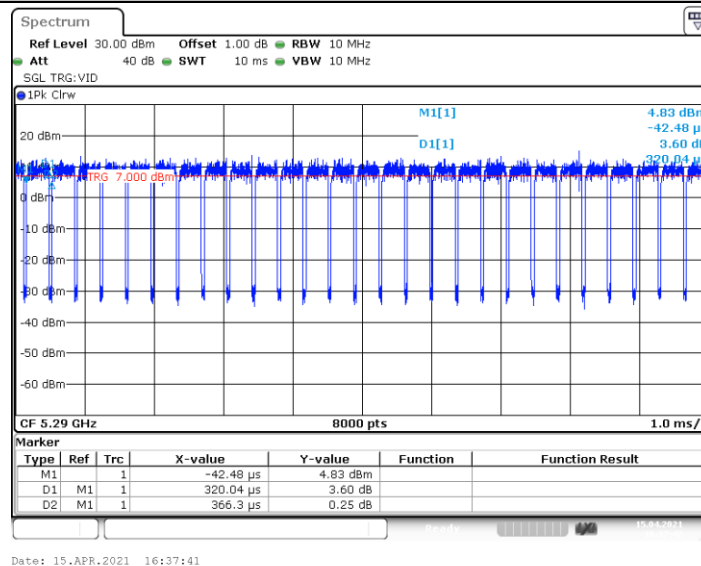
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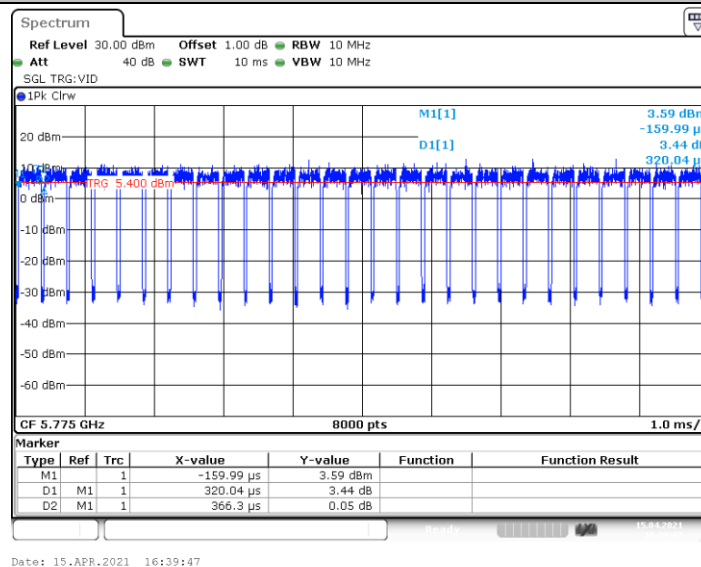
802.11ac(VHT80)_Ant1_5210



802.11ac(VHT80)_Ant1_5290



802.11ac(VHT80)_Ant1_5775



-----End-----