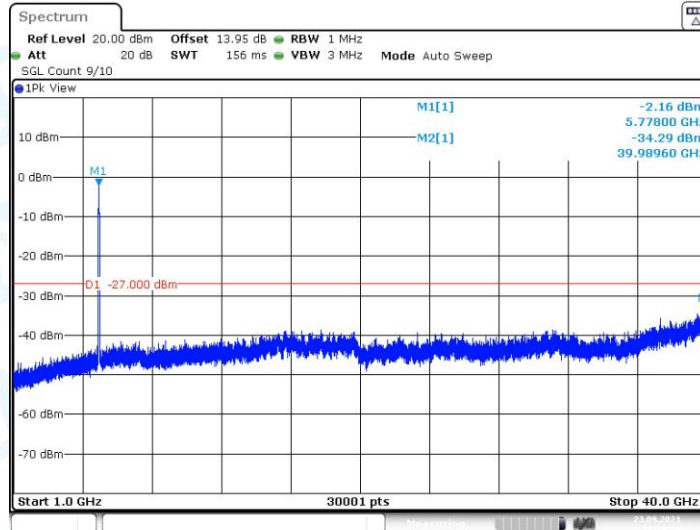


11AX80MIMO_Ant1_5775_1000~40000



Date: 23.SEP.2021 16:27:24

9. Frequency Stability

9.1. Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant0	5180	NV	NT	-1000	-0.19305	20	PASS
			LV	NT	-1000	-0.19305	20	PASS
			HV	NT	1000	0.19305	20	PASS
		5200	NV	NT	-6000	-1.153846	20	PASS
			LV	NT	-12000	-2.307692	20	PASS
			HV	NT	-14000	-2.692308	20	PASS
		5240	NV	NT	-24000	-4.580153	20	PASS
			LV	NT	-16000	-3.053435	20	PASS
			HV	NT	-12000	-2.290076	20	PASS
		5745	NV	NT	43000	7.484769	20	PASS
			LV	NT	44000	7.658834	20	PASS
			HV	NT	44000	7.658834	20	PASS
		5785	NV	NT	15000	2.592913	20	PASS
			LV	NT	21000	3.630078	20	PASS
			HV	NT	26000	4.494382	20	PASS
11N40MIMO	Ant0	5190	NV	NT	-6000	-1.156069	20	PASS
			LV	NT	-1000	-0.192678	20	PASS
			HV	NT	2000	0.385356	20	PASS
		5230	NV	NT	7000	1.338432	20	PASS
			LV	NT	8000	1.529637	20	PASS
			HV	NT	9000	1.720841	20	PASS
		5755	NV	NT	7000	1.216334	20	PASS
			LV	NT	12000	2.085143	20	PASS
			HV	NT	14000	2.432667	20	PASS
11AC20MIMO	Ant1	5240	NV	NT	-195800	-37.366412	20	FAIL
			LV	NT	-11000	-2.099237	20	PASS
			HV	NT	-88900	-16.965649	20	PASS
11AC80MIMO	Ant0	5775	NV	NT	13000	2.251082	20	PASS
			LV	NT	14000	2.424242	20	PASS
			HV	NT	13000	2.251082	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant0	5180	NV	-30	2000	0.3861	20	PASS
			NV	-20	3000	0.579151	20	PASS
			NV	-10	4000	0.772201	20	PASS
			NV	0	4000	0.772201	20	PASS
			NV	10	4000	0.772201	20	PASS
			NV	20	4000	0.772201	20	PASS
			NV	30	4000	0.772201	20	PASS
			NV	40	5000	0.965251	20	PASS
			NV	50	5000	0.965251	20	PASS
		5200	NV	-30	-17000	-3.269231	20	PASS
			NV	-20	-17000	-3.269231	20	PASS
			NV	-10	-19000	-3.653846	20	PASS
			NV	0	-19000	-3.653846	20	PASS
			NV	10	-20000	-3.846154	20	PASS
			NV	20	-21000	-4.038462	20	PASS
			NV	30	-21000	-4.038462	20	PASS
			NV	40	-21000	-4.038462	20	PASS
			NV	50	-21000	-4.038462	20	PASS
		5240	NV	-30	-9000	-1.717557	20	PASS
			NV	-20	-7000	-1.335878	20	PASS
			NV	-10	-6000	-1.145038	20	PASS
			NV	0	-4000	-0.763359	20	PASS
			NV	10	-3000	-0.572519	20	PASS
			NV	20	-2000	-0.381679	20	PASS
			NV	30	-2000	-0.381679	20	PASS
			NV	40	-2000	-0.381679	20	PASS
			NV	50	-1000	-0.19084	20	PASS
		5745	NV	-30	44000	7.658834	20	PASS
			NV	-20	44000	7.658834	20	PASS
			NV	-10	44000	7.658834	20	PASS
			NV	0	44000	7.658834	20	PASS
			NV	10	44000	7.658834	20	PASS
			NV	20	44000	7.658834	20	PASS
			NV	30	44000	7.658834	20	PASS
			NV	40	45000	7.832898	20	PASS
			NV	50	45000	7.832898	20	PASS
		5785	NV	-30	27000	4.667243	20	PASS
			NV	-20	29000	5.012965	20	PASS
			NV	-10	31000	5.358686	20	PASS
			NV	0	31000	5.358686	20	PASS
			NV	10	31000	5.358686	20	PASS
			NV	20	32000	5.531547	20	PASS
			NV	30	32000	5.531547	20	PASS

			NV	40	33000	5.704408	20	PASS
			NV	50	33000	5.704408	20	PASS
		5825	NV	-30	14000	2.403433	20	PASS
			NV	-20	14000	2.403433	20	PASS
			NV	-10	14000	2.403433	20	PASS
			NV	0	13000	2.23176	20	PASS
			NV	10	13000	2.23176	20	PASS
			NV	20	13000	2.23176	20	PASS
			NV	30	13000	2.23176	20	PASS
			NV	40	13000	2.23176	20	PASS
			NV	50	12000	2.060086	20	PASS
11N40MIM O	Ant0	5190	NV	-30	4000	0.770713	20	PASS
			NV	-20	5000	0.963391	20	PASS
			NV	-10	6000	1.156069	20	PASS
			NV	0	7000	1.348748	20	PASS
			NV	10	7000	1.348748	20	PASS
			NV	20	8000	1.541426	20	PASS
			NV	30	8000	1.541426	20	PASS
			NV	40	8000	1.541426	20	PASS
			NV	50	9000	1.734104	20	PASS
		5230	NV	-30	9000	1.720841	20	PASS
			NV	-20	9000	1.720841	20	PASS
			NV	-10	9000	1.720841	20	PASS
			NV	0	9000	1.720841	20	PASS
			NV	10	9000	1.720841	20	PASS
			NV	20	9000	1.720841	20	PASS
			NV	30	10000	1.912046	20	PASS
			NV	40	10000	1.912046	20	PASS
			NV	50	9000	1.720841	20	PASS
		5755	NV	-30	14000	2.432667	20	PASS
			NV	-20	15000	2.606429	20	PASS
			NV	-10	15000	2.606429	20	PASS
			NV	0	15000	2.606429	20	PASS
			NV	10	15000	2.606429	20	PASS
			NV	20	15000	2.606429	20	PASS
			NV	30	15000	2.606429	20	PASS
			NV	40	15000	2.606429	20	PASS
			NV	50	15000	2.606429	20	PASS
		5795	NV	-30	20000	3.451251	20	PASS
			NV	-20	21000	3.623814	20	PASS
			NV	-10	21000	3.623814	20	PASS
			NV	0	22000	3.796376	20	PASS
			NV	10	22000	3.796376	20	PASS
			NV	20	22000	3.796376	20	PASS
			NV	30	23000	3.968939	20	PASS
			NV	40	23000	3.968939	20	PASS

			NV	50	23000	3.968939	20	PASS
11AC20MI MO	Ant1	5240	NV	-30	280700	53.568702	20	FAIL
			NV	-20	-471500	-89.980916	20	FAIL
			NV	-10	144900	27.652672	20	FAIL
			NV	0	-122900	-23.454198	20	FAIL
			NV	50	23000	3.968939	20	PASS
11AC80MI MO	Ant0	5775	NV	-30	12000	2.077922	20	PASS
			NV	-20	11000	1.904762	20	PASS
			NV	-10	10000	1.731602	20	PASS
			NV	0	9000	1.558442	20	PASS
			NV	10	9000	1.558442	20	PASS
			NV	20	8000	1.385281	20	PASS
			NV	30	8000	1.385281	20	PASS
			NV	40	7000	1.212121	20	PASS
			NV	50	7000	1.212121	20	PASS

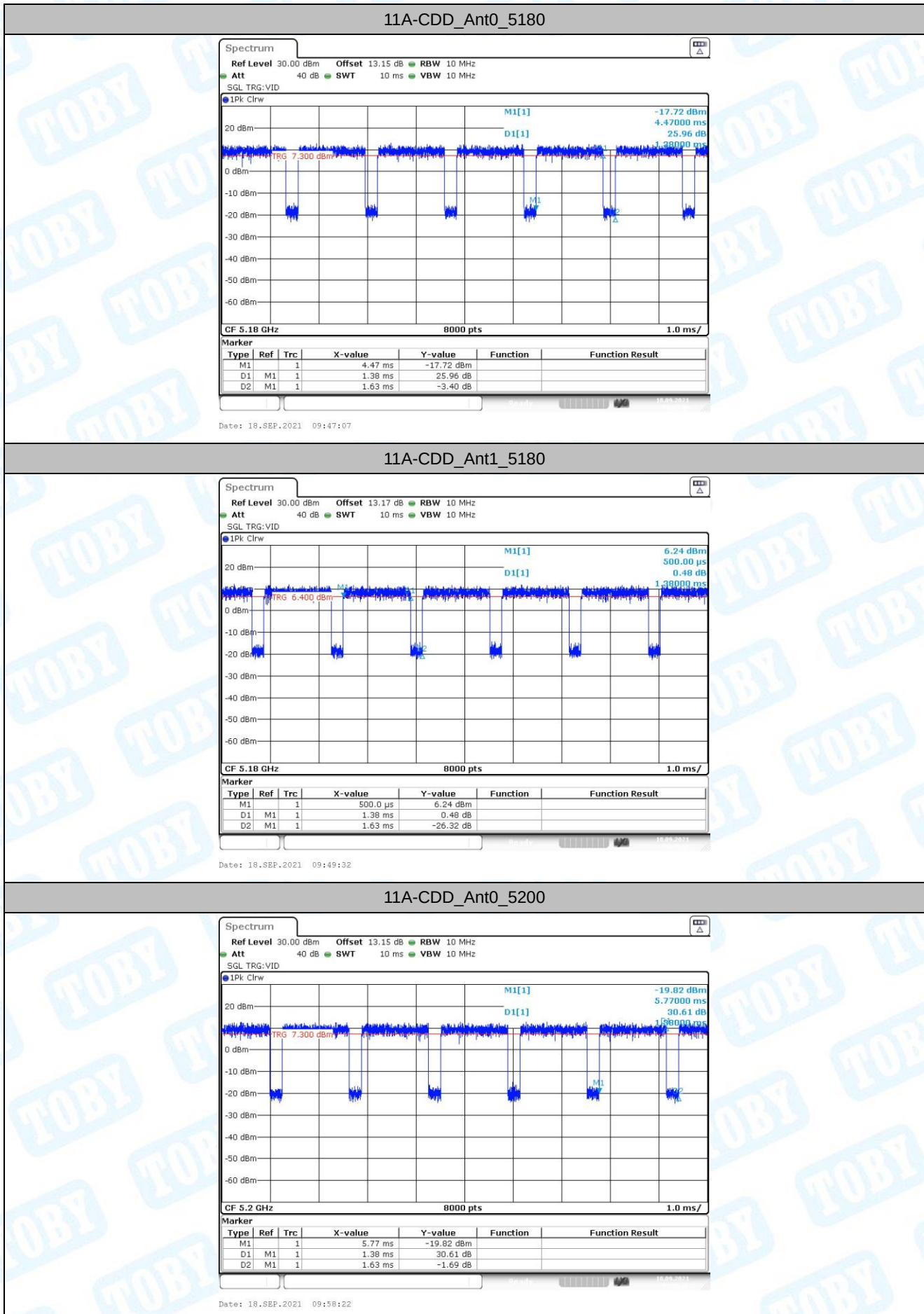
10. Duty Cycle

10.1. Test Result

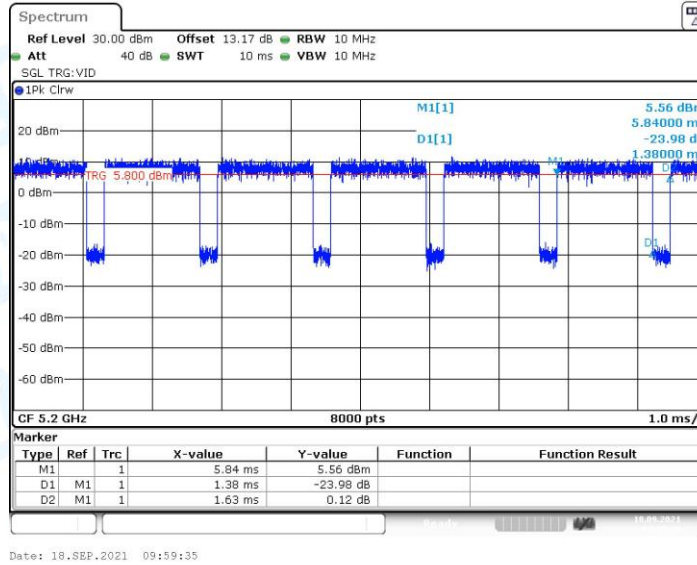
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A-CDD	Ant0	5180	1.38	1.63	84.66	---	PASS
	Ant1	5180	1.38	1.63	84.66	---	PASS
	Ant0	5200	1.38	1.63	84.66	---	PASS
	Ant1	5200	1.38	1.63	84.66	---	PASS
	Ant0	5240	1.39	1.64	84.76	---	PASS
	Ant1	5240	1.38	1.65	83.64	---	PASS
	Ant0	5745	1.39	1.64	84.76	---	PASS
	Ant1	5745	1.38	1.63	84.66	---	PASS
	Ant0	5785	1.38	1.63	84.66	---	PASS
	Ant1	5785	1.38	1.63	84.66	---	PASS
	Ant0	5825	1.38	1.63	84.66	---	PASS
	Ant1	5825	1.38	1.63	84.66	---	PASS
11N20MIMO	Ant0	5180	1.30	1.55	83.87	---	PASS
	Ant1	5180	1.29	1.54	83.77	---	PASS
	Ant0	5200	1.30	1.55	83.87	---	PASS
	Ant1	5200	1.30	1.54	84.42	---	PASS
	Ant0	5240	1.29	1.54	83.77	---	PASS
	Ant1	5240	1.29	1.54	83.77	---	PASS
	Ant0	5745	1.29	1.54	83.77	---	PASS
	Ant1	5745	1.29	1.54	83.77	---	PASS
	Ant0	5785	1.29	1.54	83.77	---	PASS
	Ant1	5785	1.29	1.54	83.77	---	PASS
	Ant0	5825	1.30	1.55	83.87	---	PASS
	Ant1	5825	1.29	1.54	83.77	---	PASS
11N40MIMO	Ant0	5190	0.64	0.89	71.91	---	PASS
	Ant1	5190	0.64	0.89	71.91	---	PASS
	Ant0	5230	0.64	0.94	68.09	---	PASS
	Ant1	5230	0.64	0.89	71.91	---	PASS
	Ant0	5755	0.64	0.89	71.91	---	PASS
	Ant1	5755	0.64	0.89	71.91	---	PASS
	Ant0	5795	0.64	0.89	71.91	---	PASS
	Ant1	5795	0.64	0.89	71.91	---	PASS
11AC20MIMO	Ant0	5180	0.67	0.92	72.83	---	PASS
	Ant1	5180	0.67	0.92	72.83	---	PASS
	Ant0	5200	0.68	0.93	73.12	---	PASS
	Ant1	5200	0.67	0.92	72.83	---	PASS
	Ant0	5240	0.67	0.94	71.28	---	PASS
	Ant1	5240	0.67	0.93	72.04	---	PASS
	Ant0	5745	0.68	0.93	73.12	---	PASS
	Ant1	5745	0.68	0.93	73.12	---	PASS

	Ant0	5785	0.68	0.93	73.12	---	PASS
	Ant1	5785	0.68	0.93	73.12	---	PASS
	Ant0	5825	0.68	0.93	73.12	---	PASS
	Ant1	5825	0.68	0.93	73.12	---	PASS
11AC40MIMO	Ant0	5190	0.35	0.60	58.33	---	PASS
	Ant1	5190	0.35	0.60	58.33	---	PASS
	Ant0	5230	0.35	0.60	58.33	---	PASS
	Ant1	5230	0.35	0.60	58.33	---	PASS
	Ant0	5755	0.35	0.60	58.33	---	PASS
	Ant1	5755	0.35	0.60	58.33	---	PASS
	Ant0	5795	0.35	0.60	58.33	---	PASS
	Ant1	5795	0.35	0.60	58.33	---	PASS
11AC80MIMO	Ant0	5210	0.19	0.44	43.18	---	PASS
	Ant1	5210	0.00	0.19	100	---	PASS
	Ant0	5775	0.00	0.01	100	---	PASS
	Ant1	5775	0.00	0.02	100	---	PASS
11AX20MIMO	Ant0	5180	0.20	0.43	46.51	---	PASS
	Ant1	5180	0.20	0.43	46.51	---	PASS
	Ant0	5200	0.20	0.42	47.62	---	PASS
	Ant1	5200	0.20	0.43	46.51	---	PASS
	Ant0	5240	0.21	0.43	48.84	---	PASS
	Ant1	5240	0.20	0.43	46.51	---	PASS
	Ant0	5745	0.20	0.44	45.45	---	PASS
	Ant1	5745	0.20	0.45	44.44	---	PASS
	Ant0	5785	0.20	0.42	47.62	---	PASS
	Ant1	5785	0.20	0.42	47.62	---	PASS
	Ant0	5825	0.20	0.42	47.62	---	PASS
	Ant1	5825	0.20	0.42	47.62	---	PASS
11AX40MIMO	Ant0	5190	0.20	0.43	46.51	---	PASS
	Ant1	5190	0.20	0.43	46.51	---	PASS
	Ant0	5230	0.21	0.48	43.75	---	PASS
	Ant1	5230	0.20	0.43	46.51	---	PASS
	Ant0	5755	0.20	0.43	46.51	---	PASS
	Ant1	5755	0.20	0.55	36.36	---	PASS
	Ant0	5795	0.20	0.43	46.51	---	PASS
	Ant1	5795	0.20	0.47	42.55	---	PASS
11AX80MIMO	Ant0	5210	0.19	0.45	42.22	---	PASS
	Ant1	5210	0.00	0.24	100	---	PASS
	Ant0	5775	0.00	0.02	100	---	PASS
	Ant1	5775	0.00	0.02	100	---	PASS

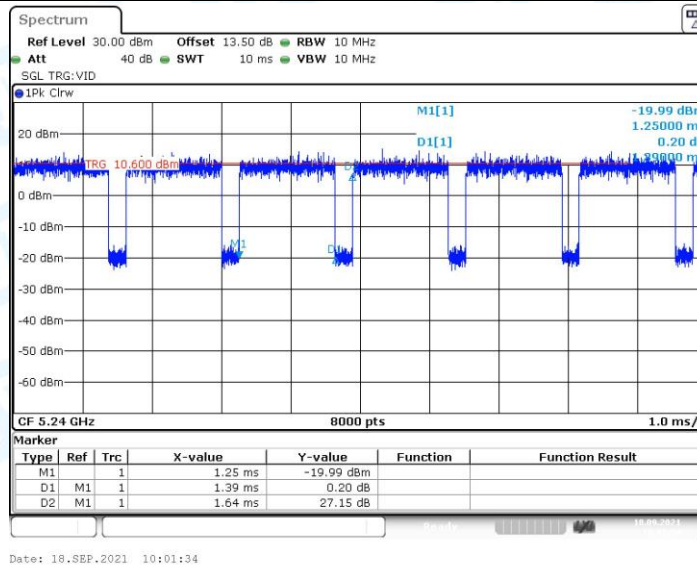
10.2.Test Graphs



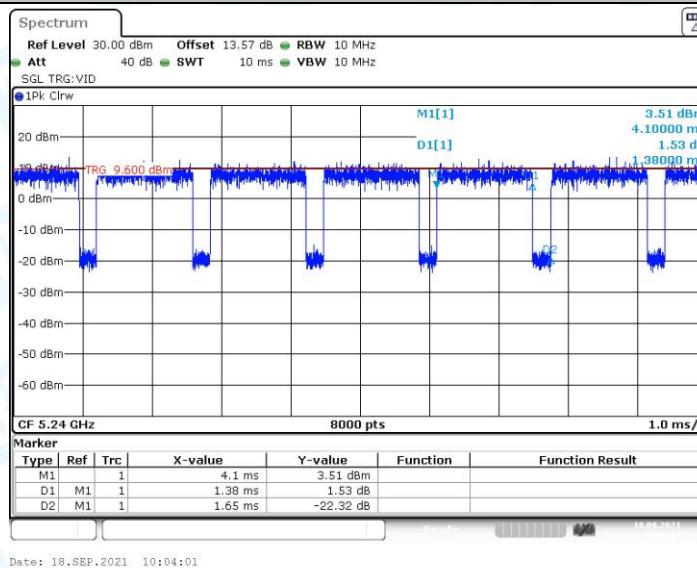
11A-CDD_Ant1_5200



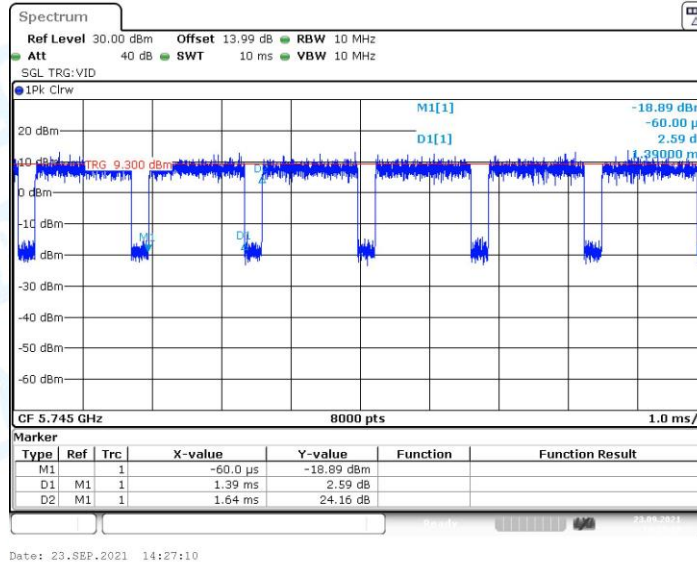
11A-CDD_Ant0_5240



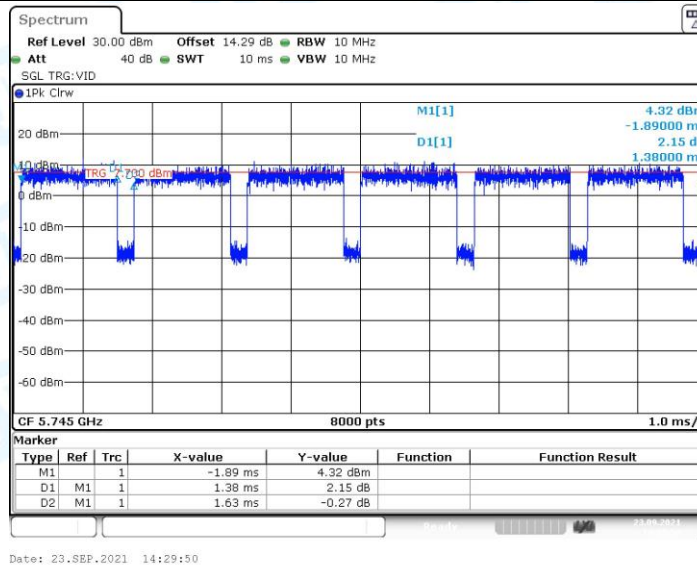
11A-CDD_Ant1_5240



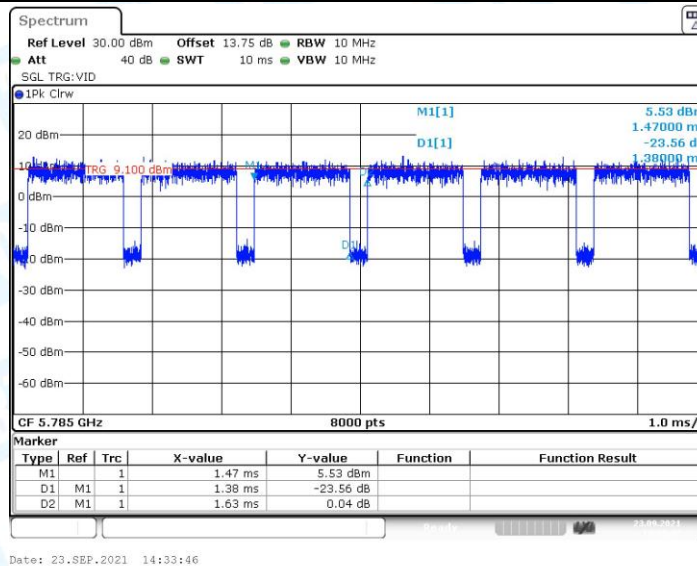
11A-CDD_Ant0_5745



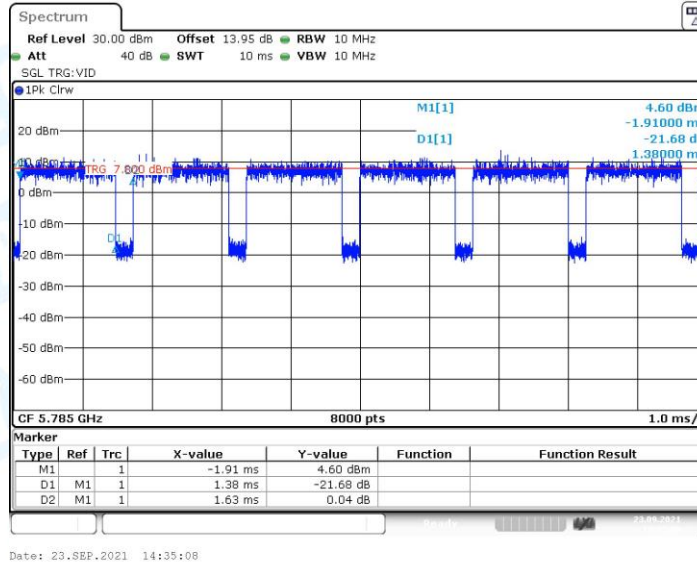
11A-CDD_Ant1_5745



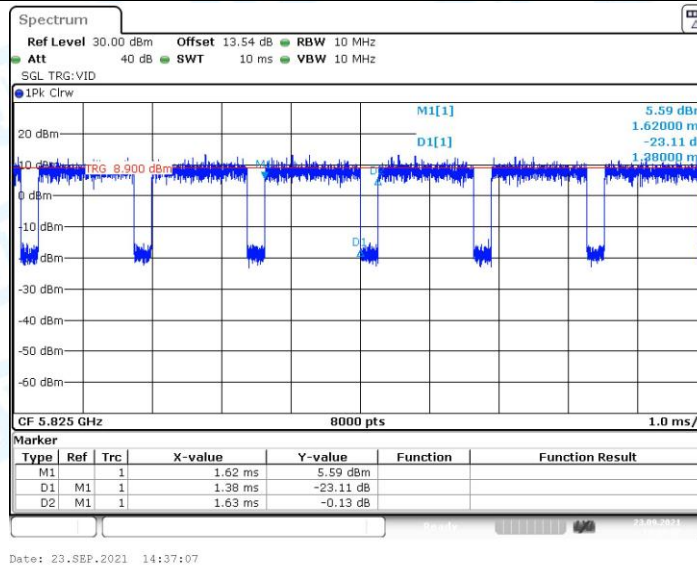
11A-CDD_Ant0_5785



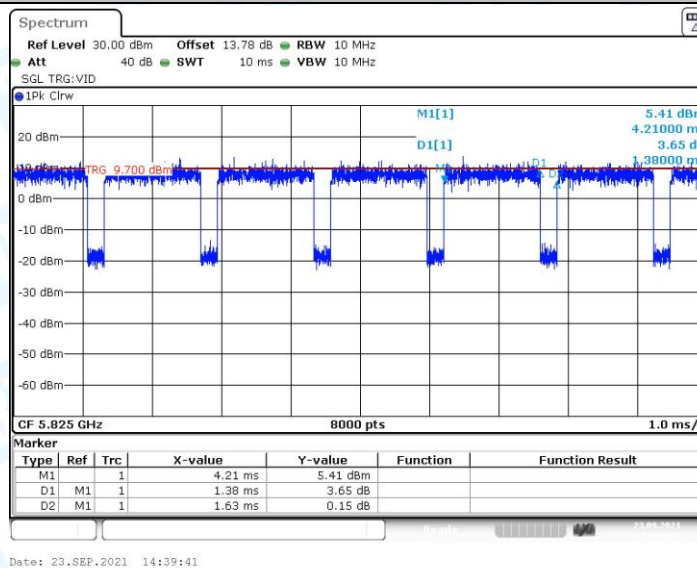
11A-CDD_Ant1_5785



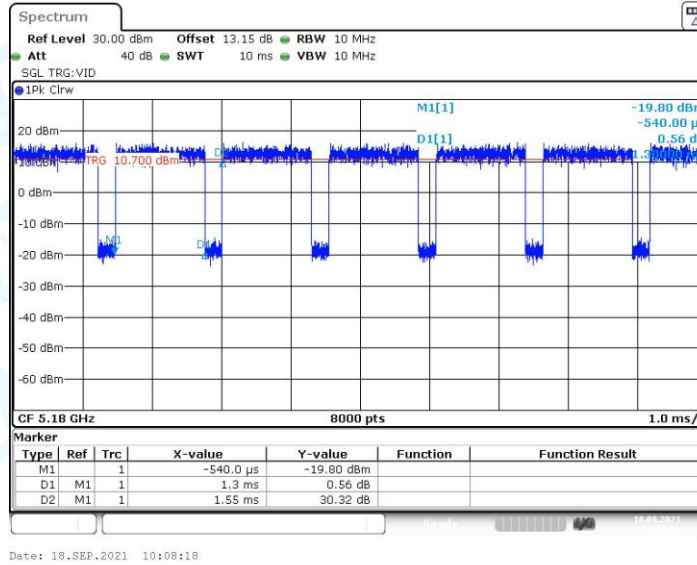
11A-CDD_Ant0_5825



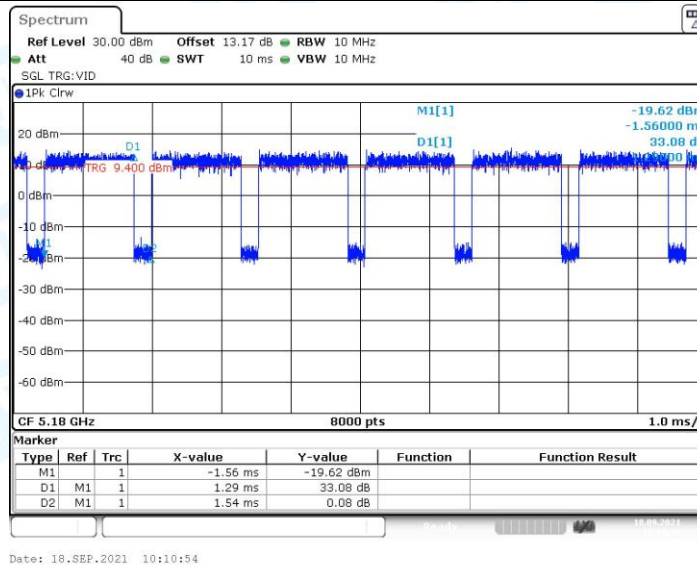
11A-CDD_Ant1_5825



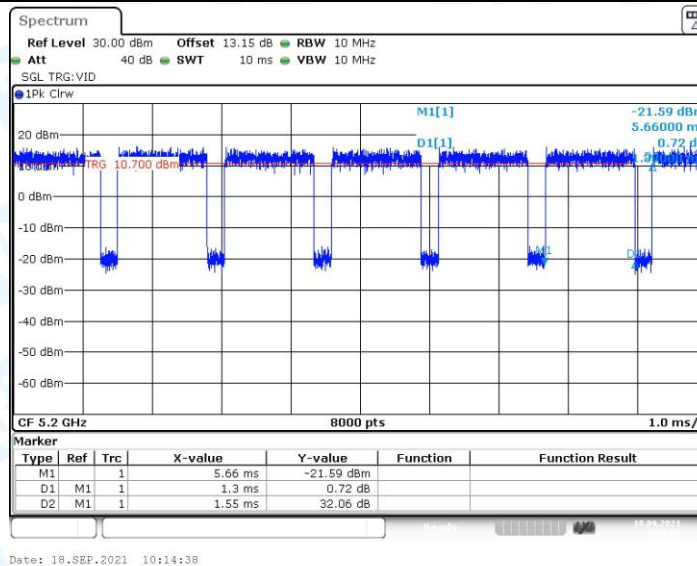
11N20MIMO_Ant0_5180



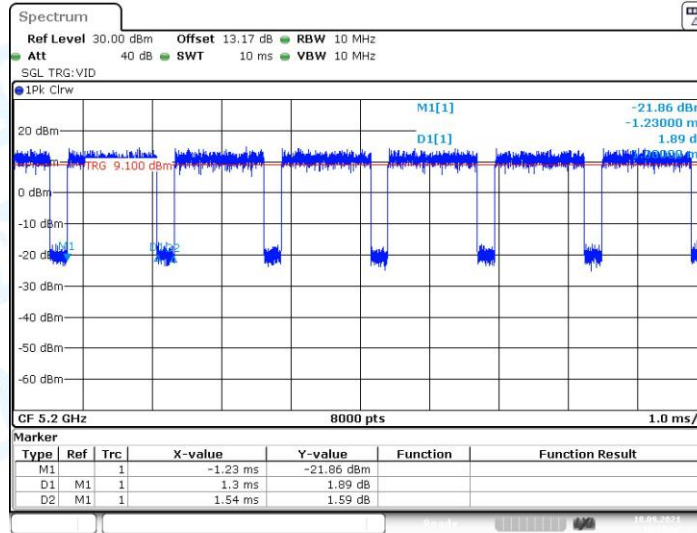
11N20MIMO_Ant1_5180



11N20MIMO_Ant0_5200

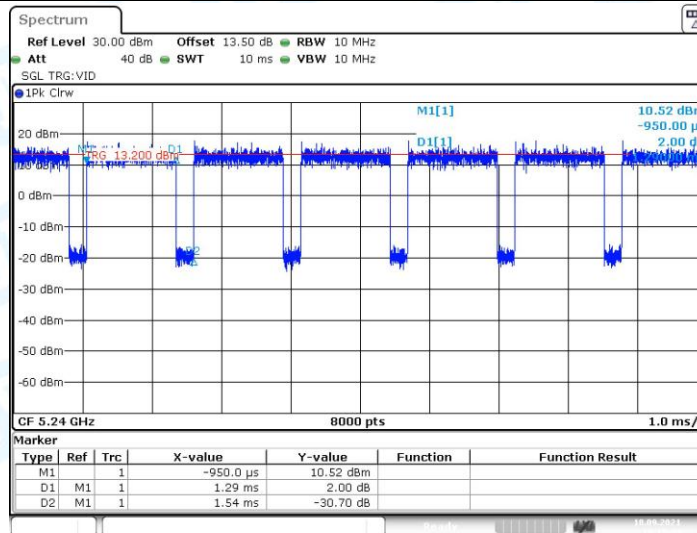


11N20MIMO_Ant1_5200



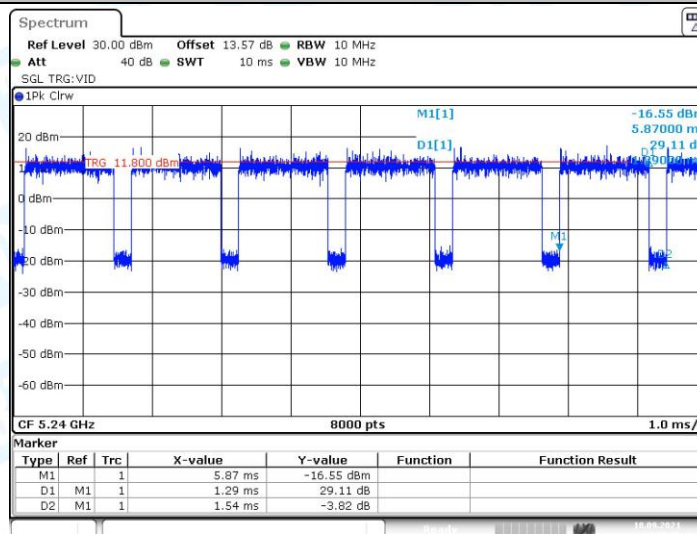
Date: 18.SEP.2021 10:15:52

11N20MIMO_Ant0_5240



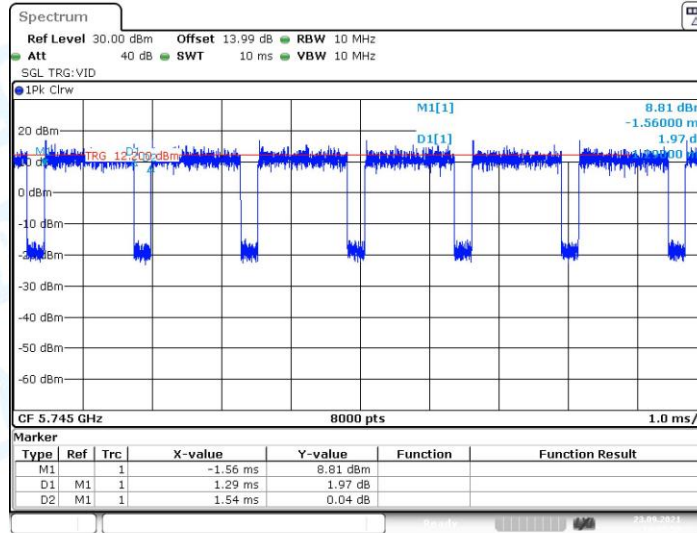
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11N20MIMO_Ant1_5240



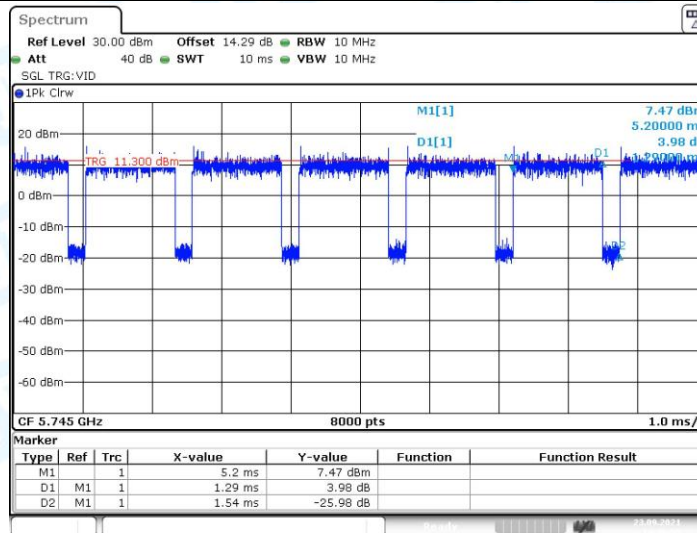
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11N20MIMO_Ant0_5745



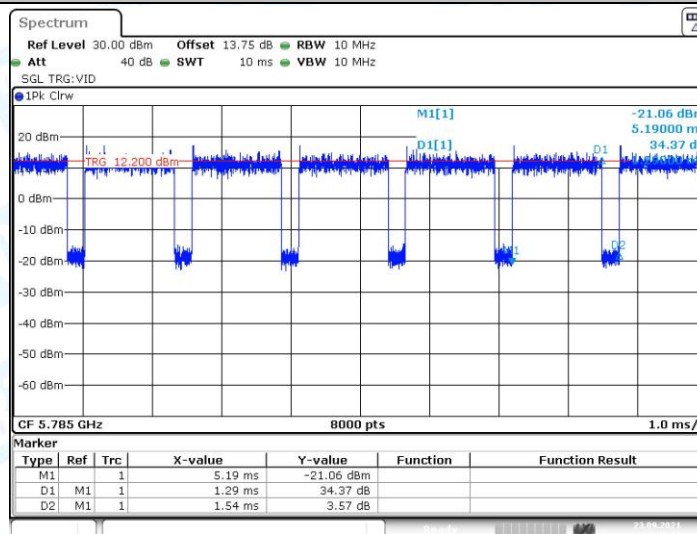
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11N20MIMO_Ant1_5745



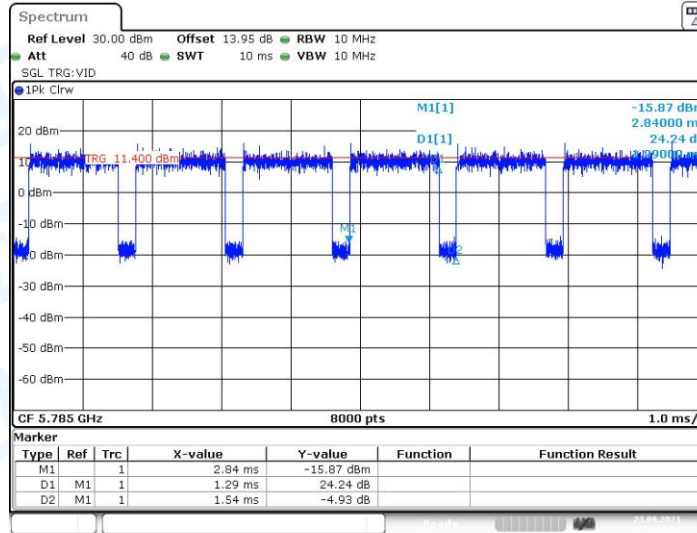
Date: 23.SEP.2021 14:46:55

11N20MIMO_Ant0_5785



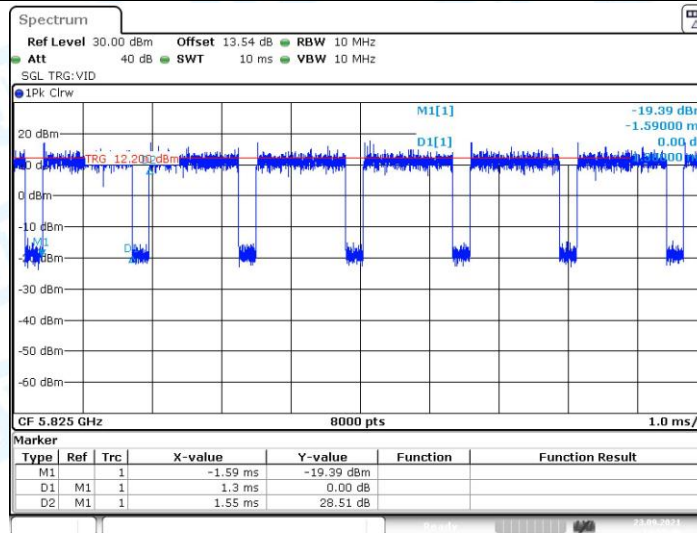
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11N20MIMO_Ant1_5785



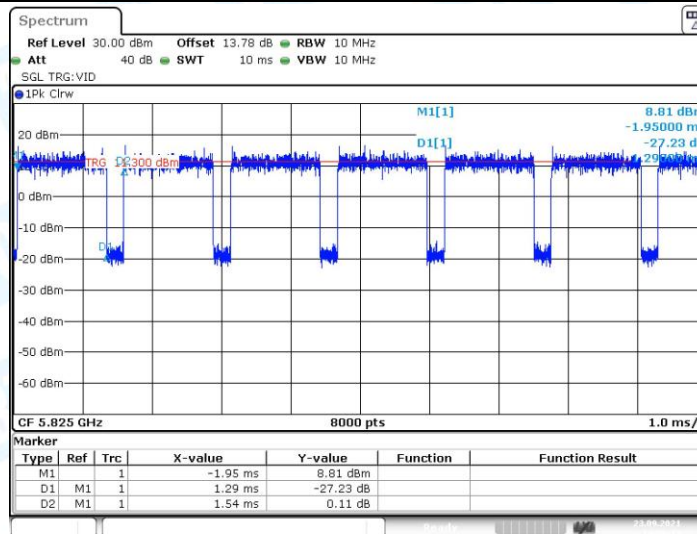
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11N20MIMO_Ant0_5825



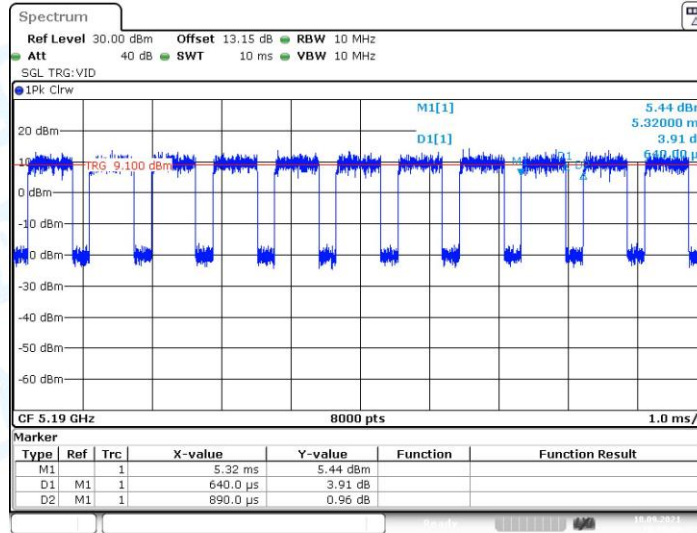
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11N20MIMO_Ant1_5825



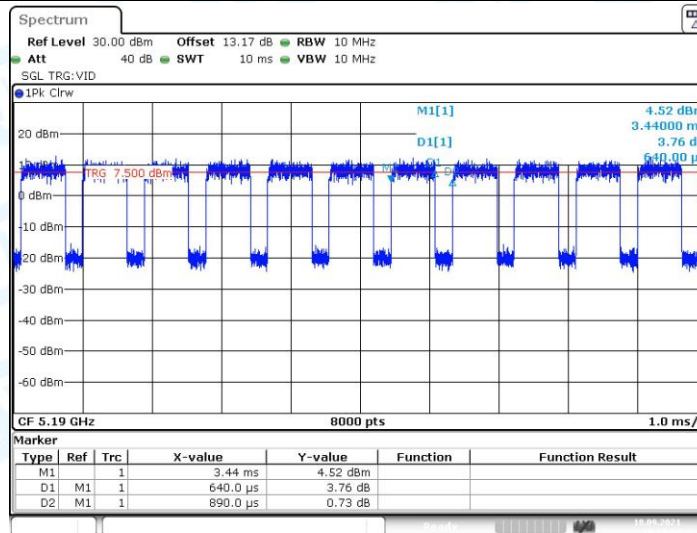
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11N40MIMO_Ant0_5190



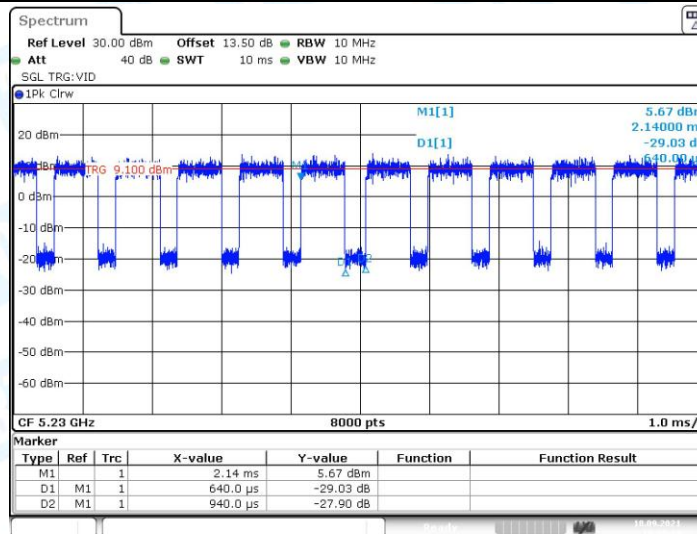
Date: 18.SEP.2021 10:23:27

11N40MIMO_Ant1_5190



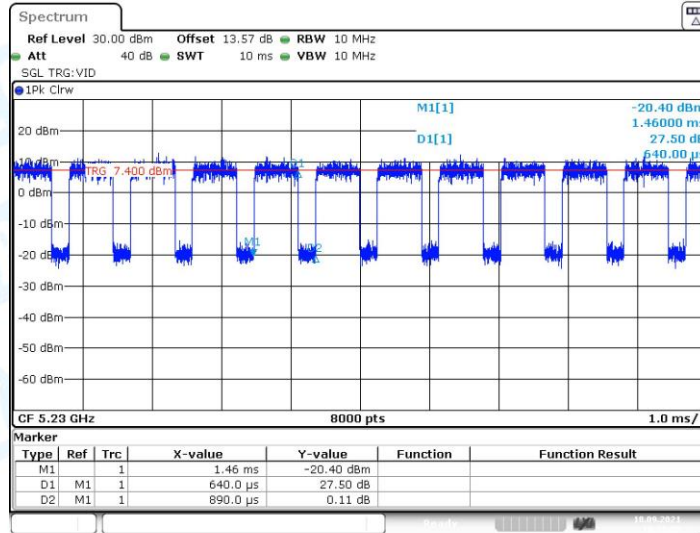
Date: 18.SEP.2021 10:25:57

11N40MIMO_Ant0_5230



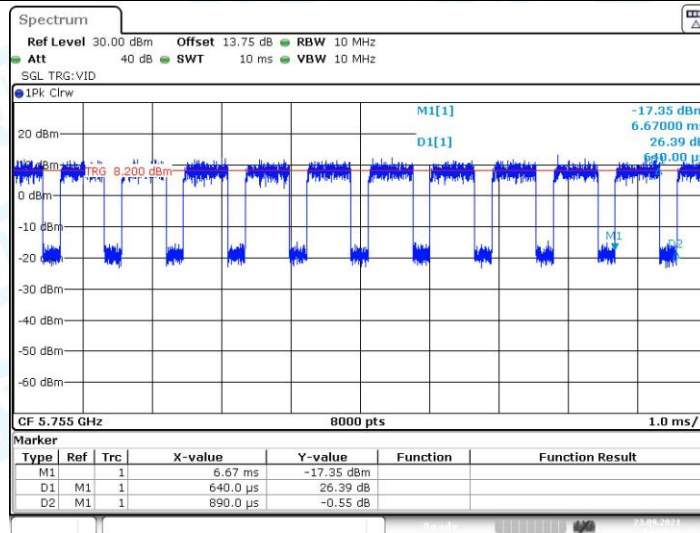
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11N40MIMO_Ant1_5230



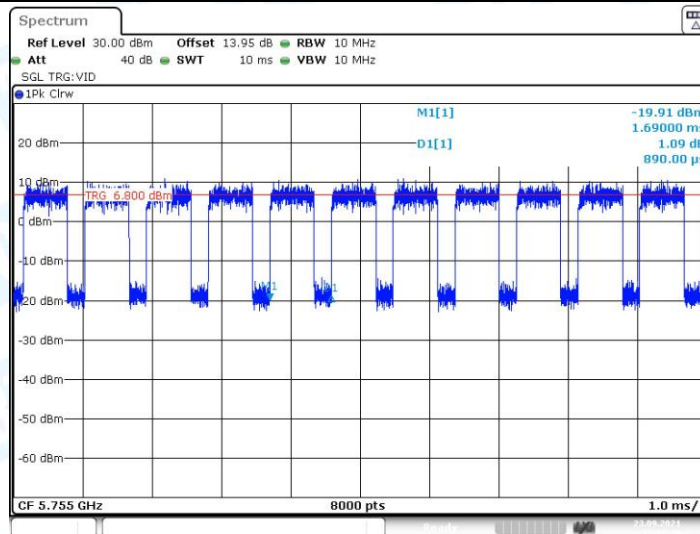
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11N40MIMO_Ant0_5755



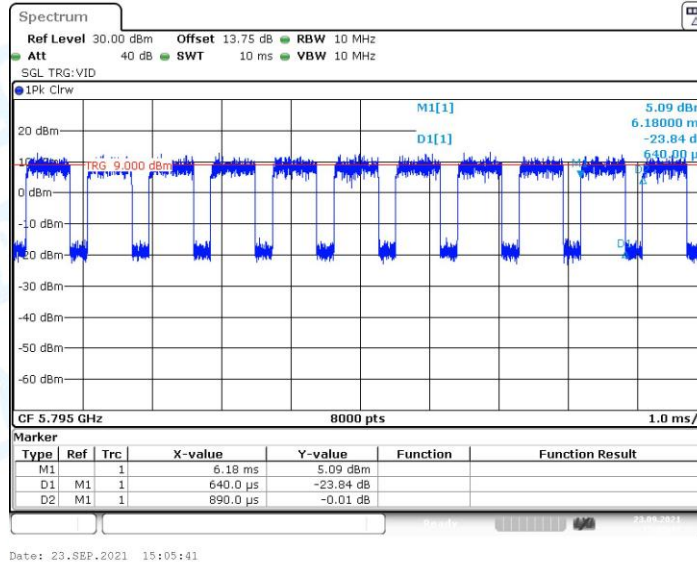
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11N40MIMO_Ant1_5755

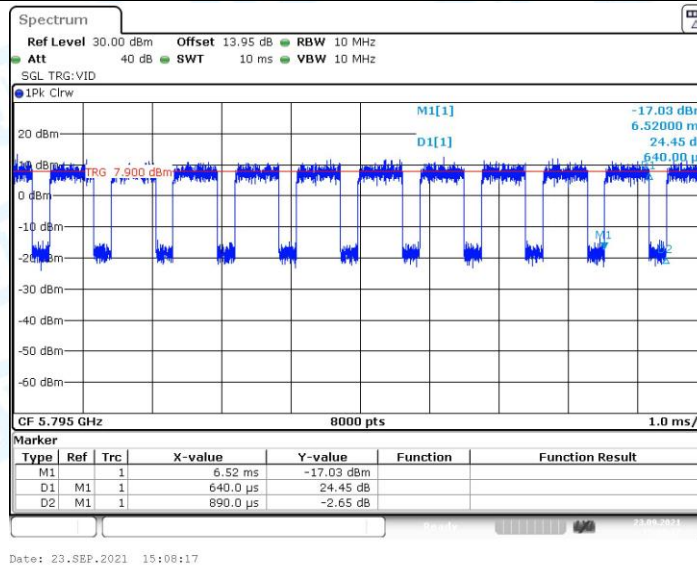


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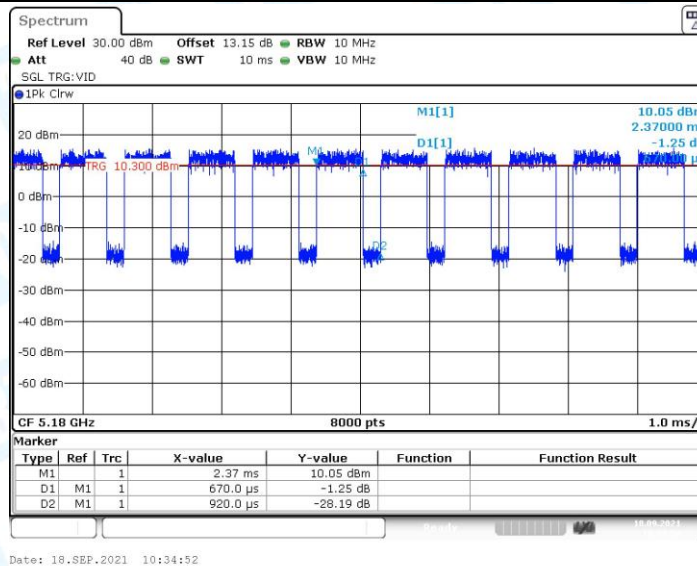
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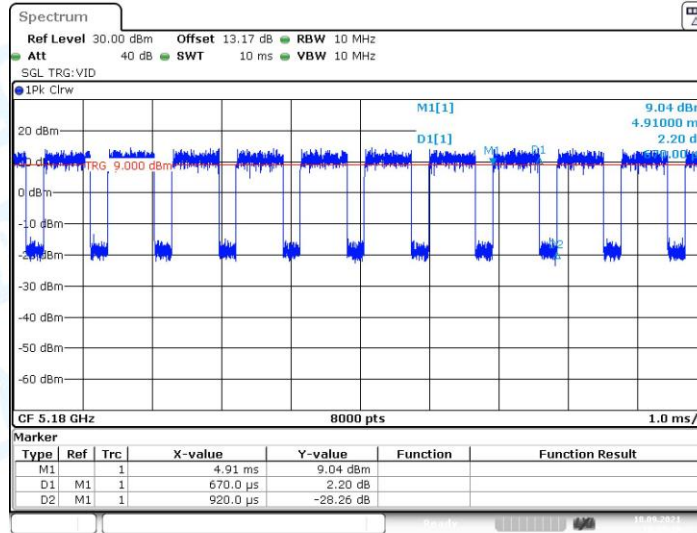
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11AC20MIMO_Ant0_5180

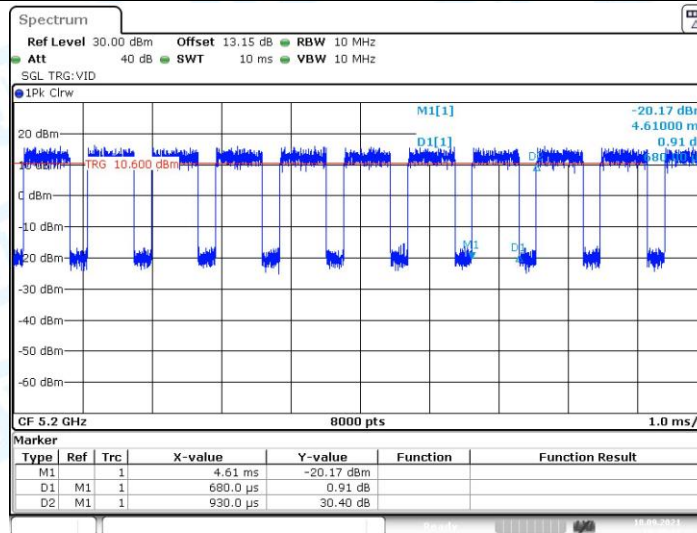


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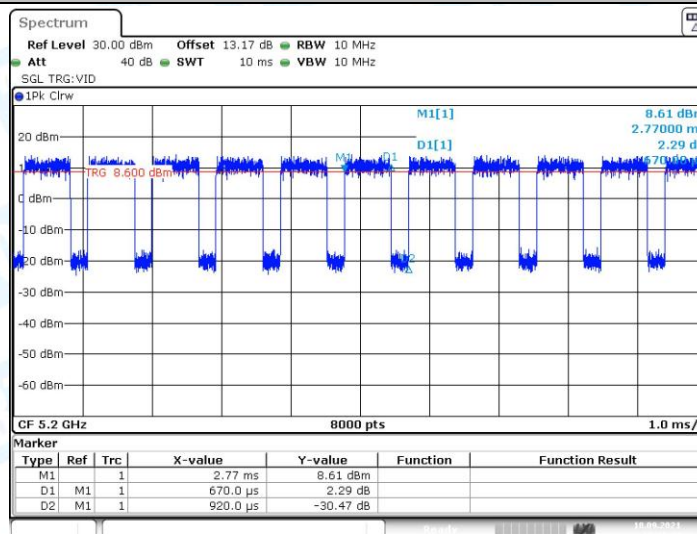
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11AC20MIMO_Ant0_5200



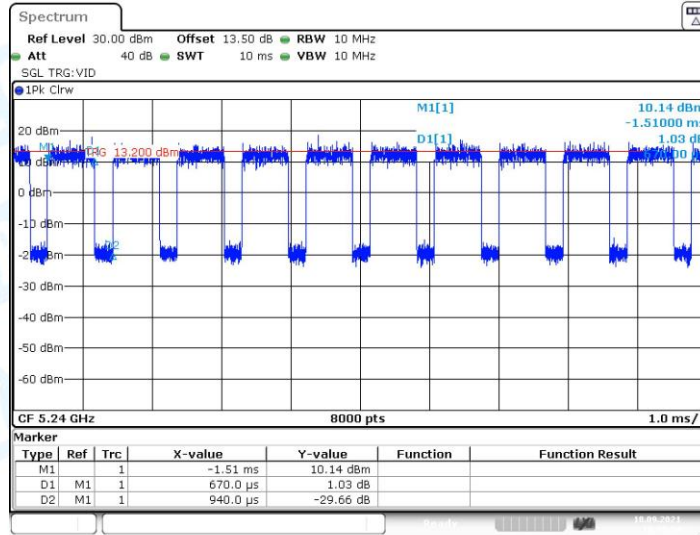
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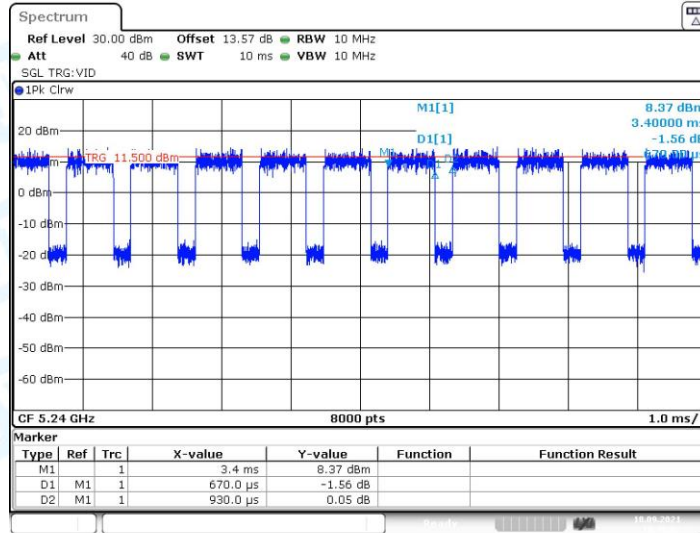
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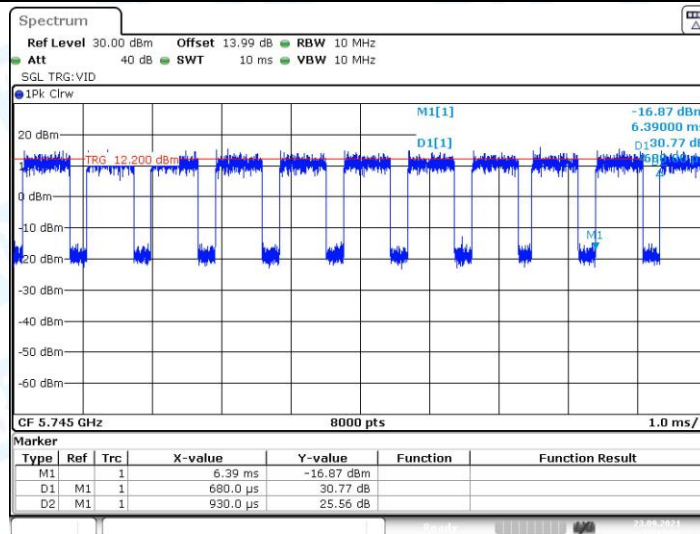
Date: 18.SEP.2021 10:43:34

11AC20MIMO_Ant1_5240



Date: 18.SEP.2021 10:46:02

11AC20MIMO_Ant0_5745



Date: 23.SEP.2021 15:11:52