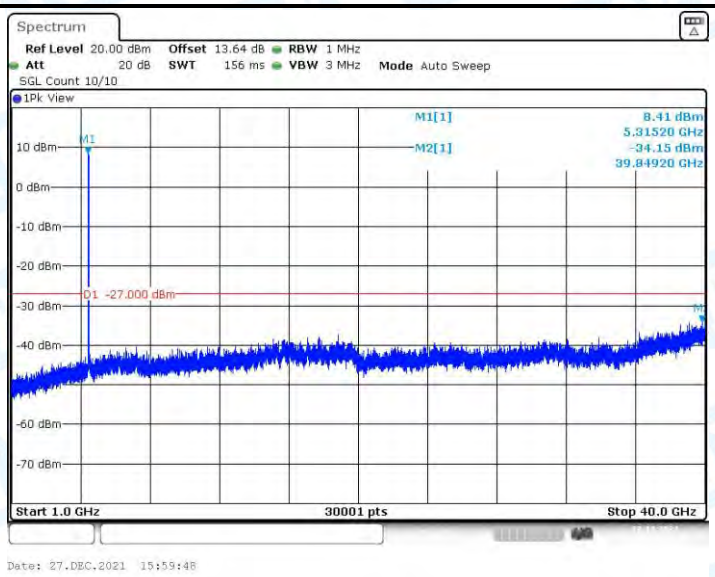
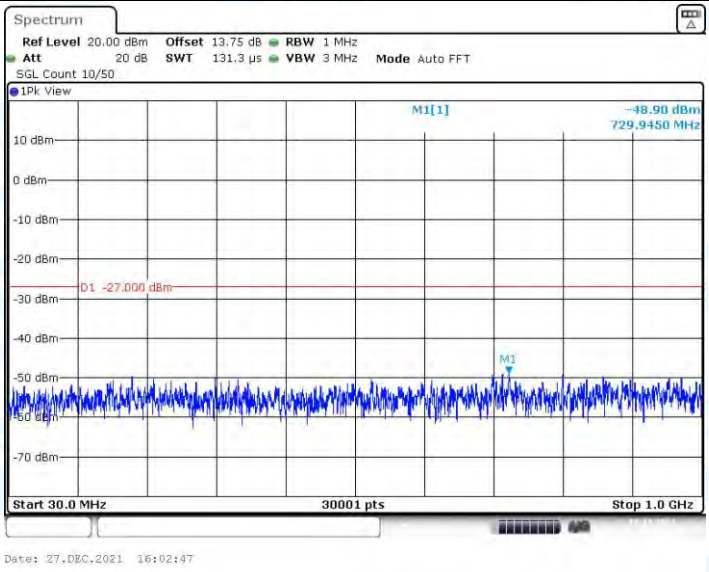
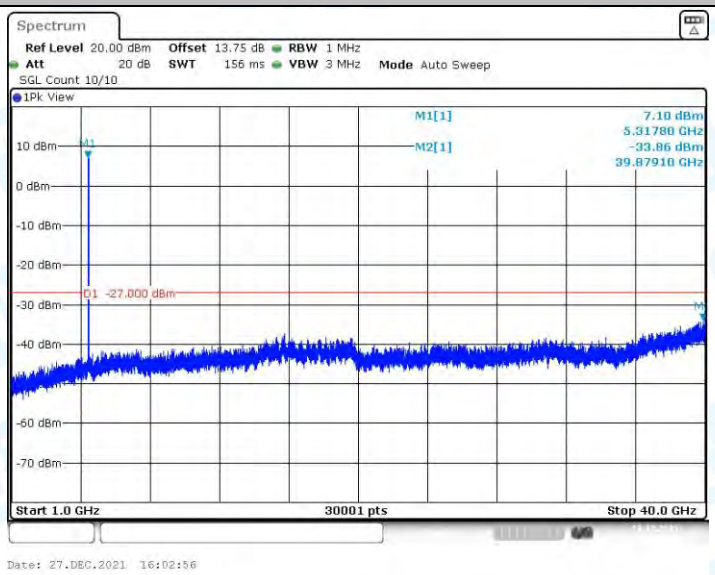


11AC20MIMO_Ant1_5320_1000~40000



11AC20MIMO_Ant2_5320_30~1000



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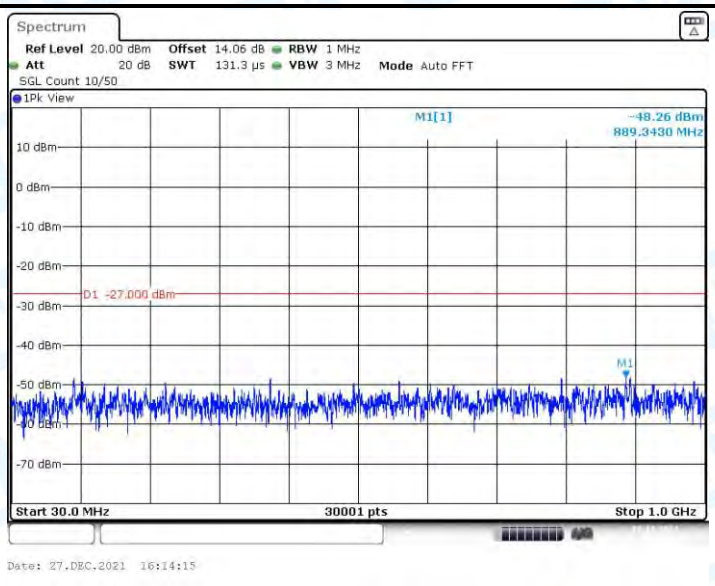
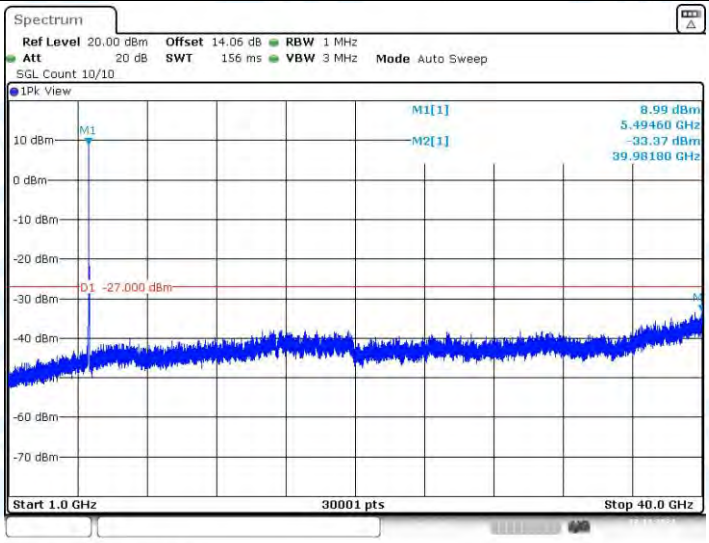
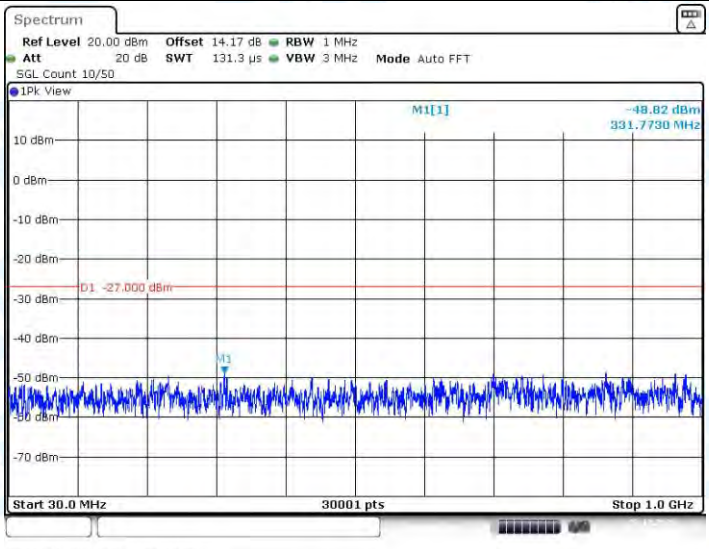


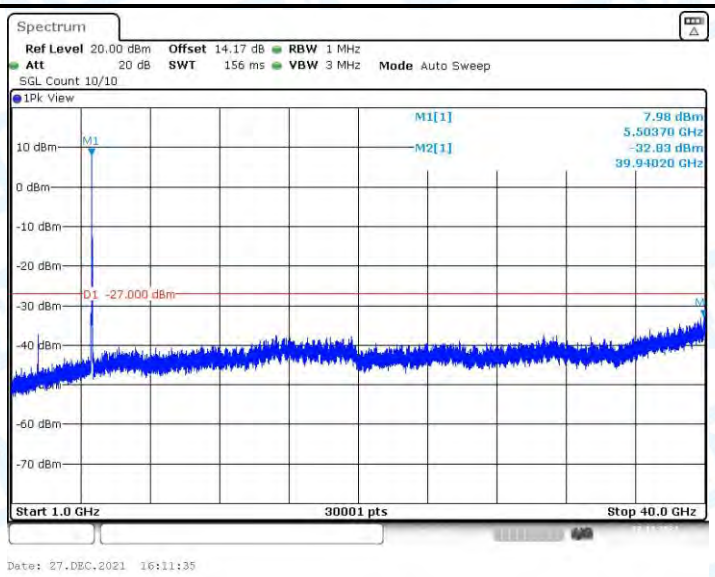
11AC20MIMO_Ant1_5500_30~1000



11AC20MIMO_Ant1_5500_1000~40000



11AC20MIMO_Ant2_5500_30~1000



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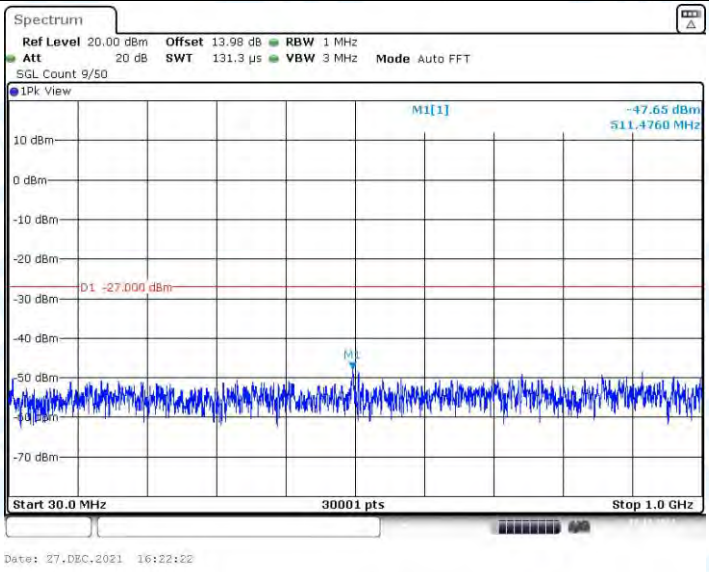
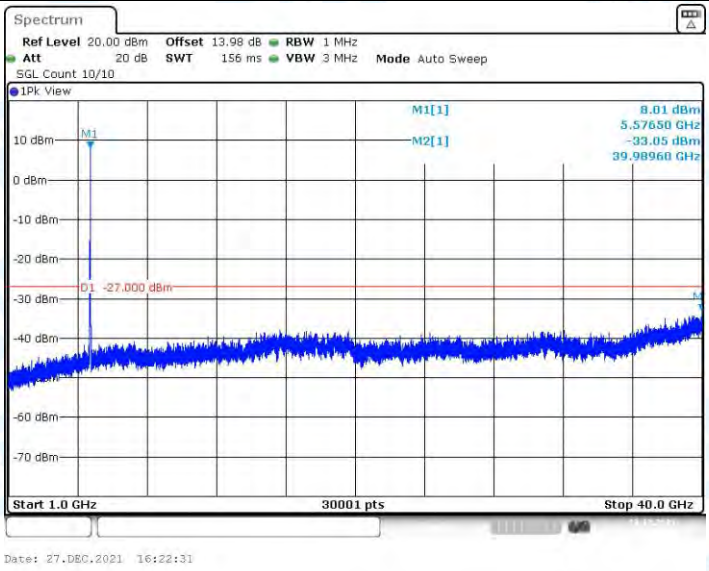
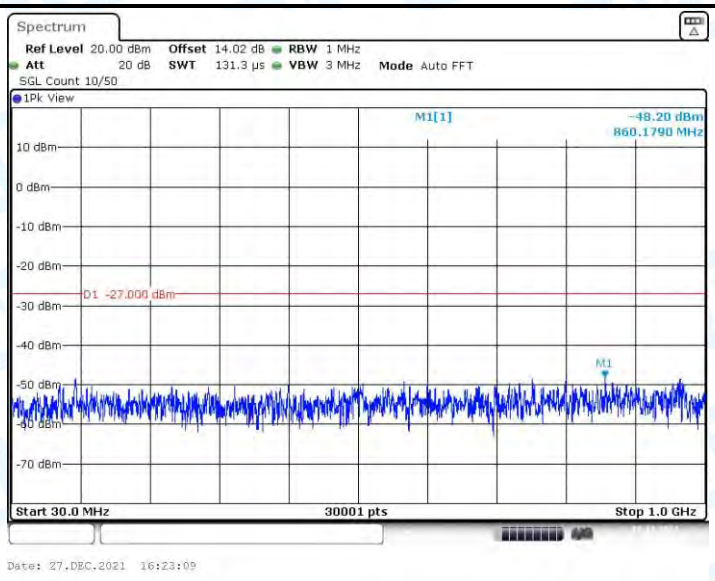


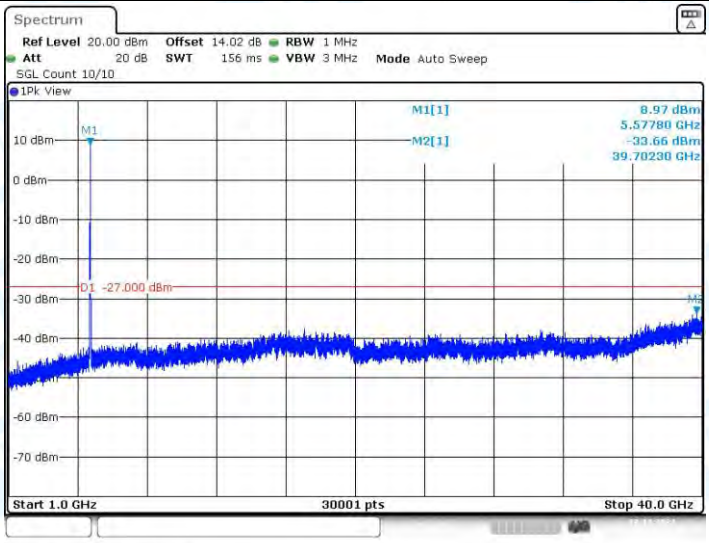
11AC20MIMO_Ant1_5580_30~1000



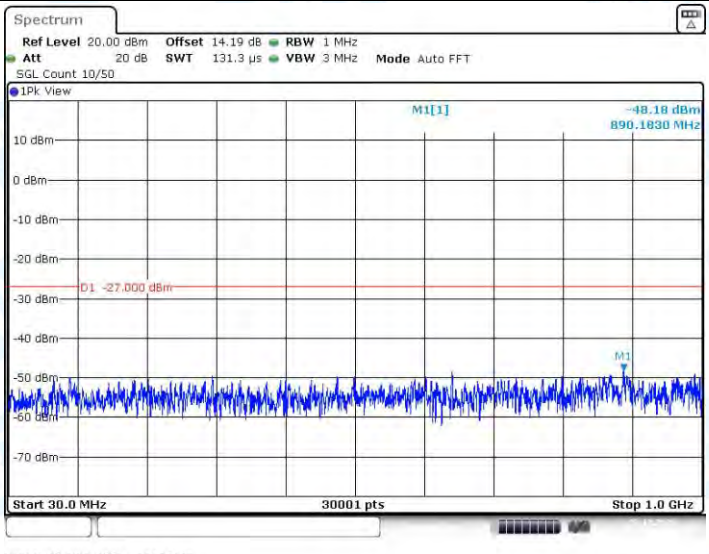
11AC20MIMO_Ant1_5580_1000~40000



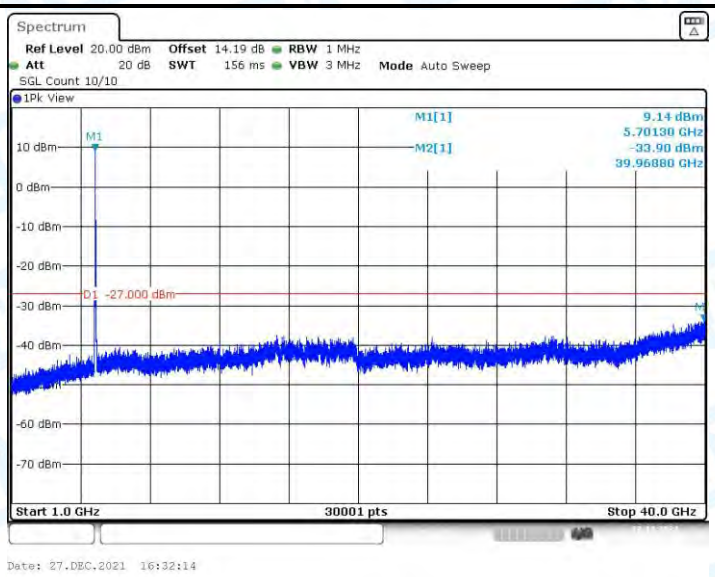
11AC20MIMO_Ant2_5580_30~1000



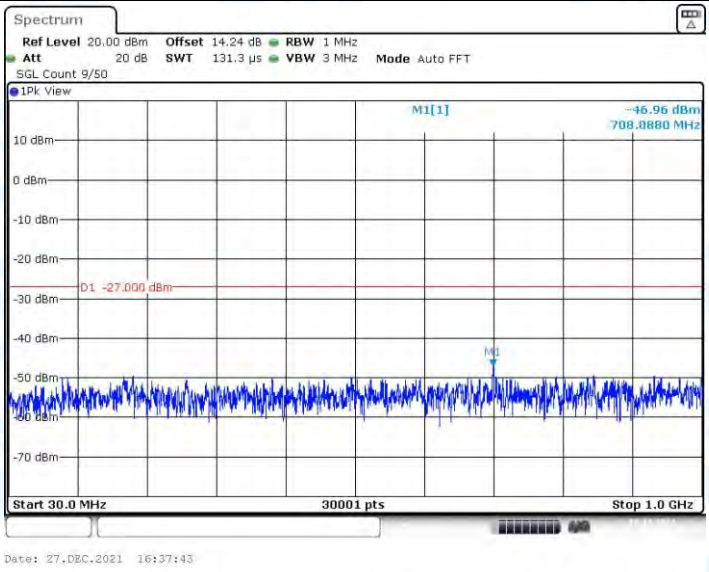
11AC20MIMO_Ant2_5580_1000~40000



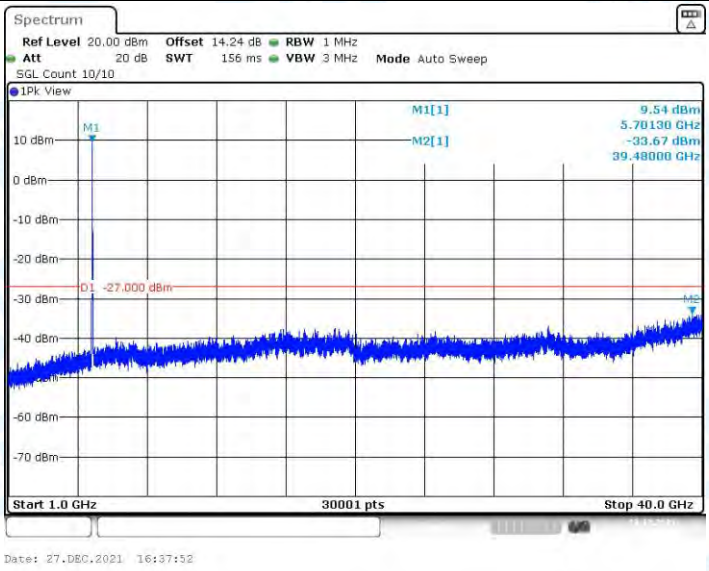
11AC20MIMO_Ant1_5700_30~1000



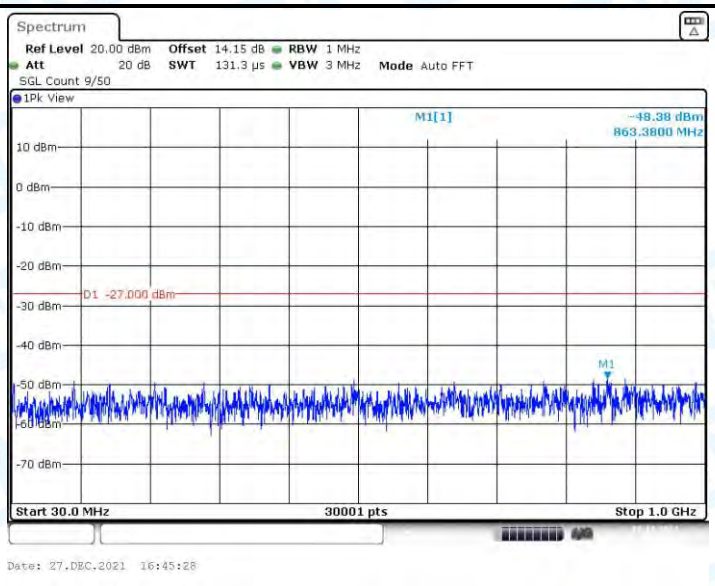
11AC20MIMO_Ant1_5700_1000~40000



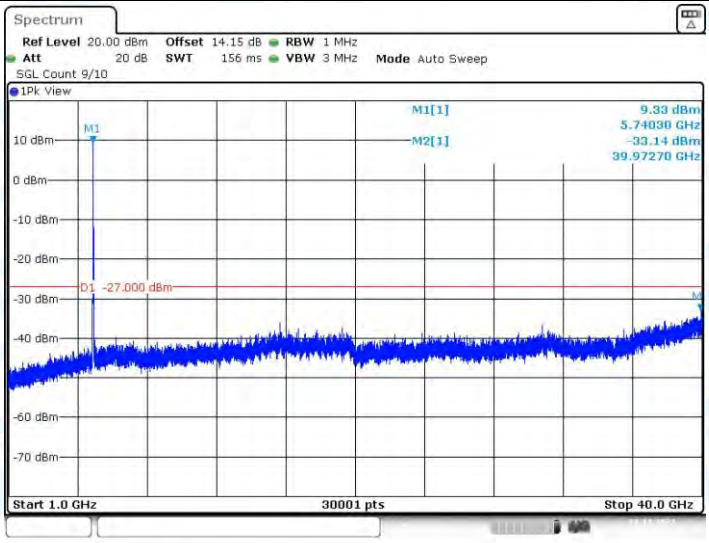
11AC20MIMO_Ant2_5700_30~1000



11AC20MIMO_Ant2_5700_1000~40000



11AC20MIMO_Ant1_5745_30~1000



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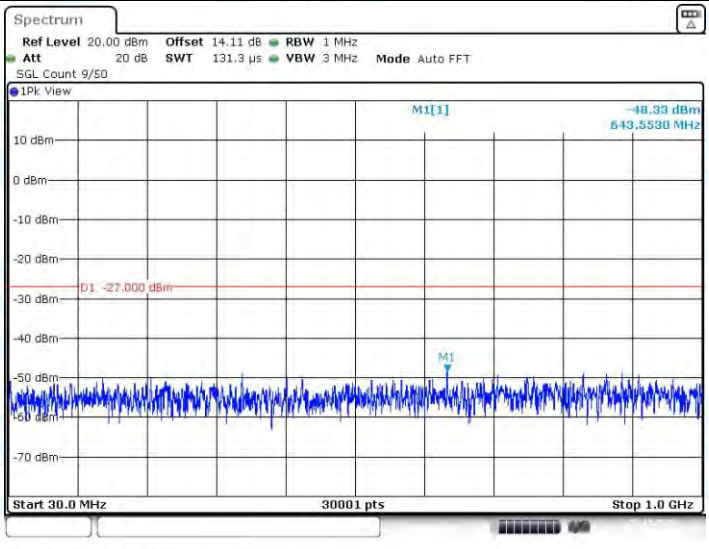

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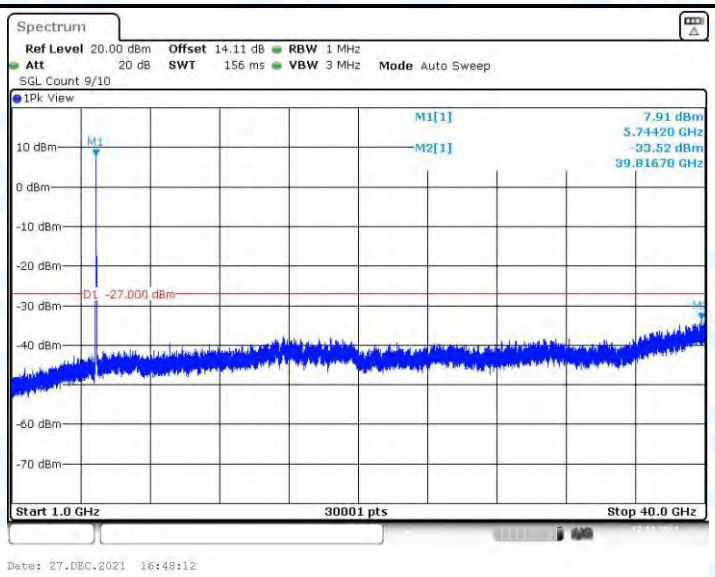

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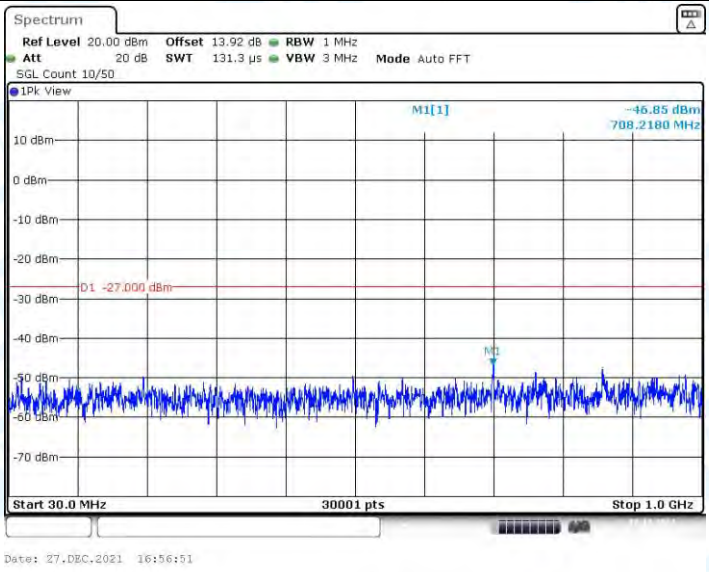
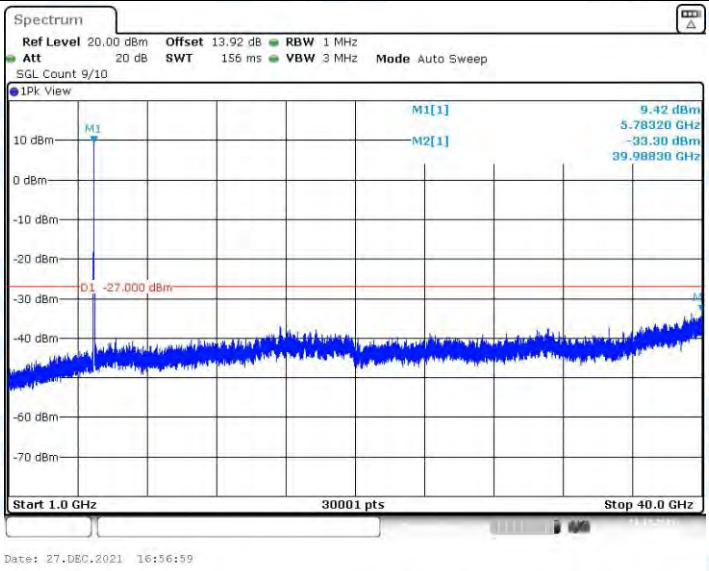


11AC20MIMO_Ant1_5785_30~1000



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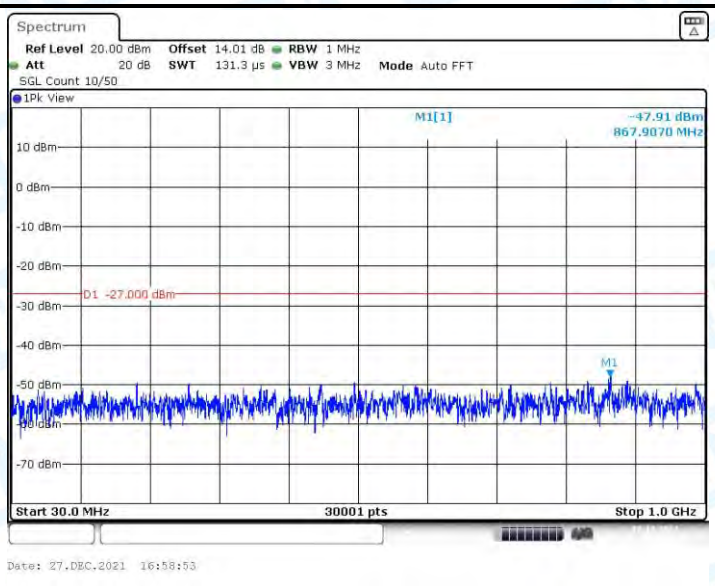

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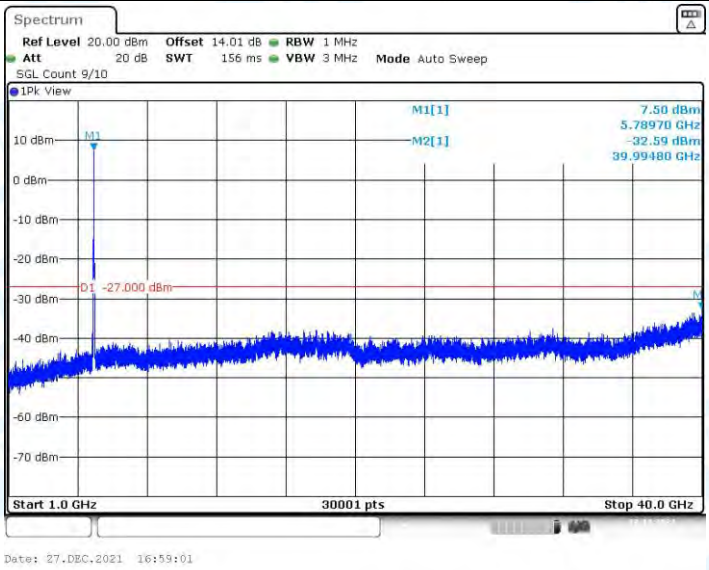

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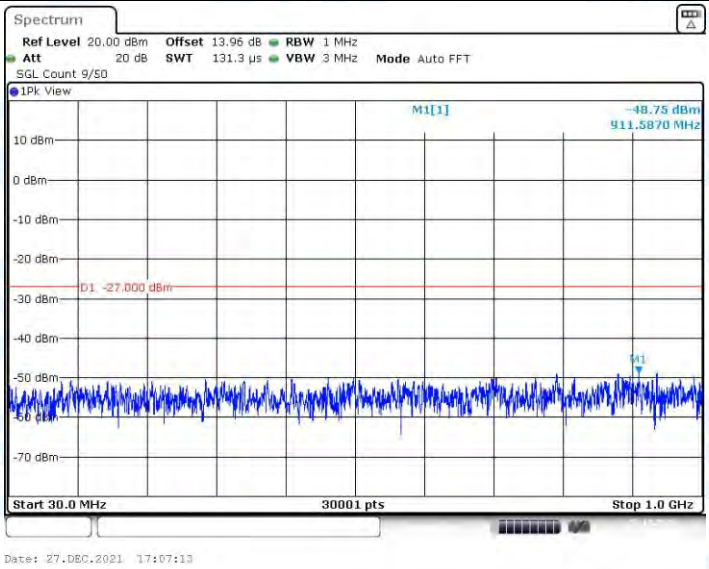

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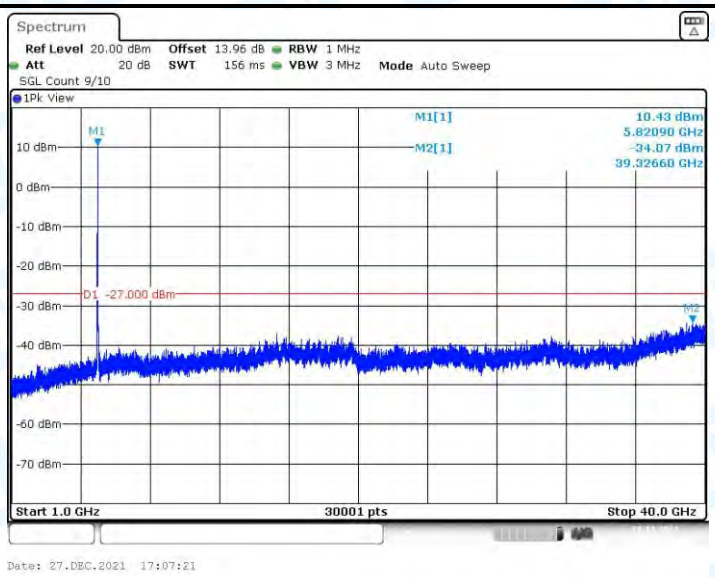

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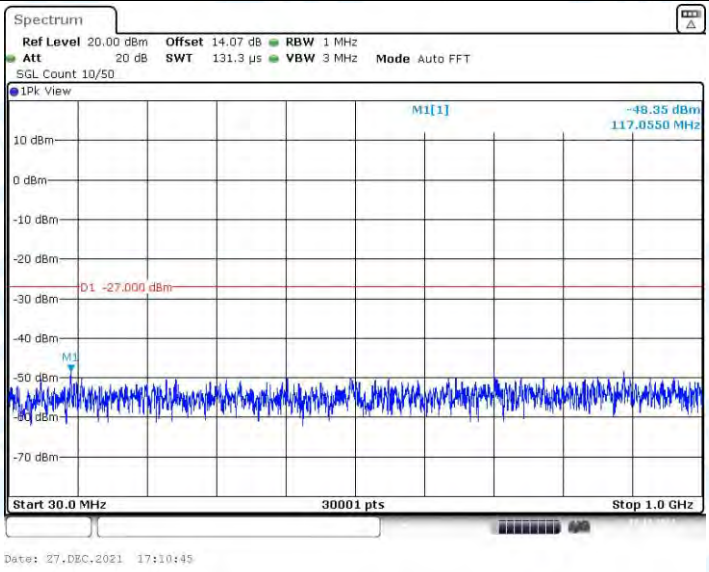

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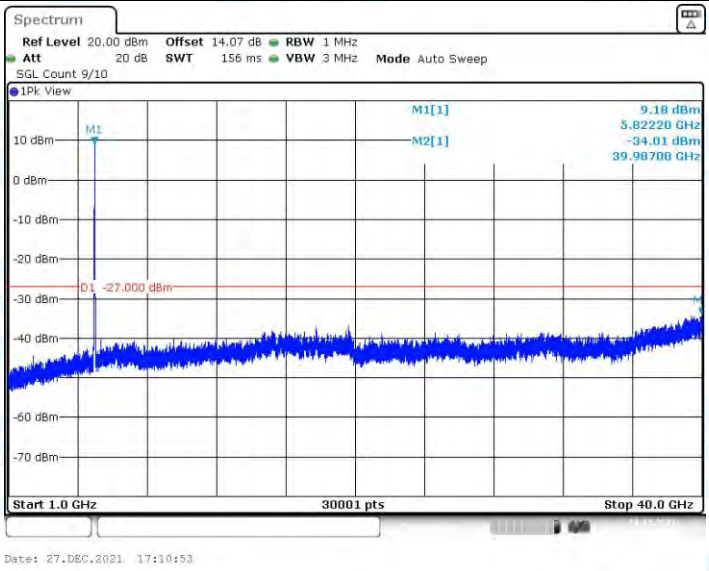

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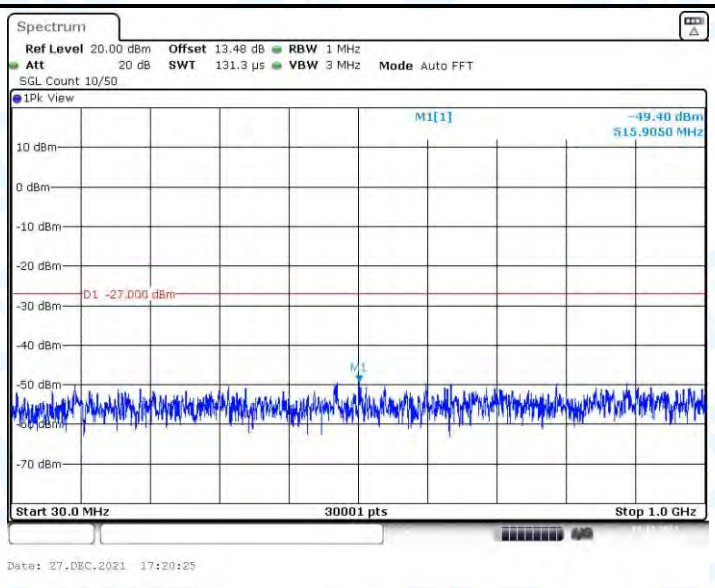
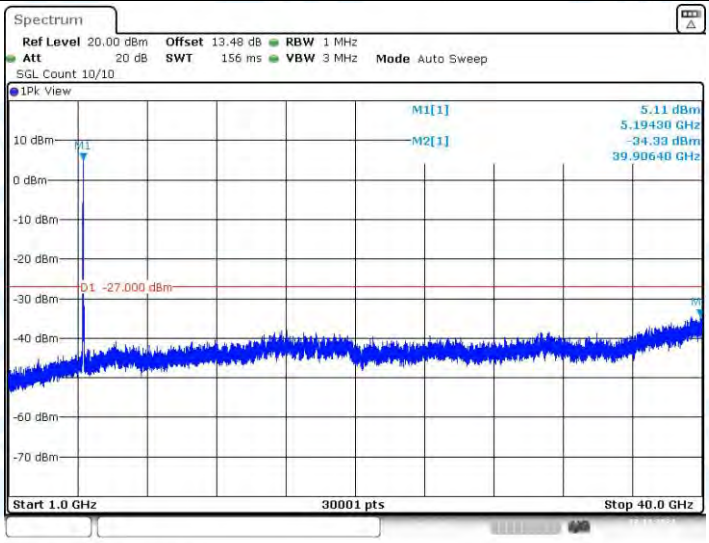


11AC40MIMO_Ant1_5190_30~1000



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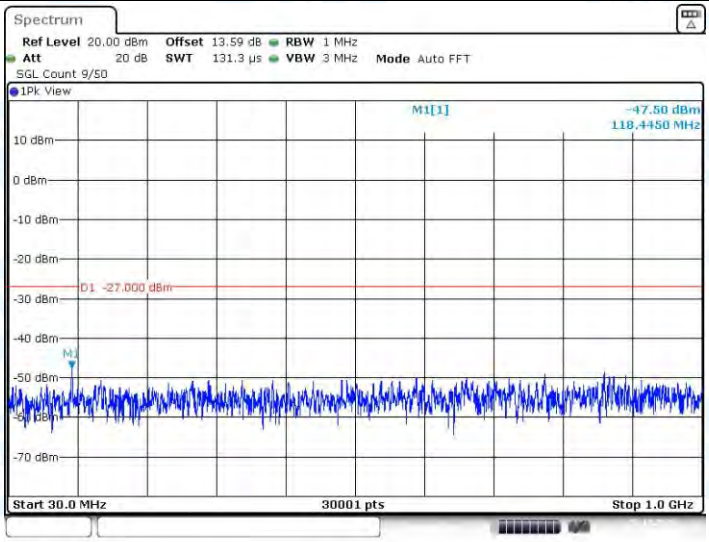

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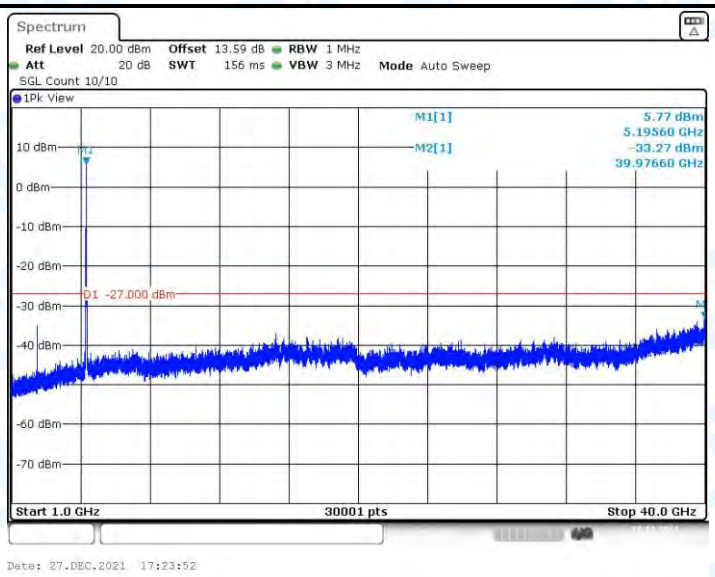

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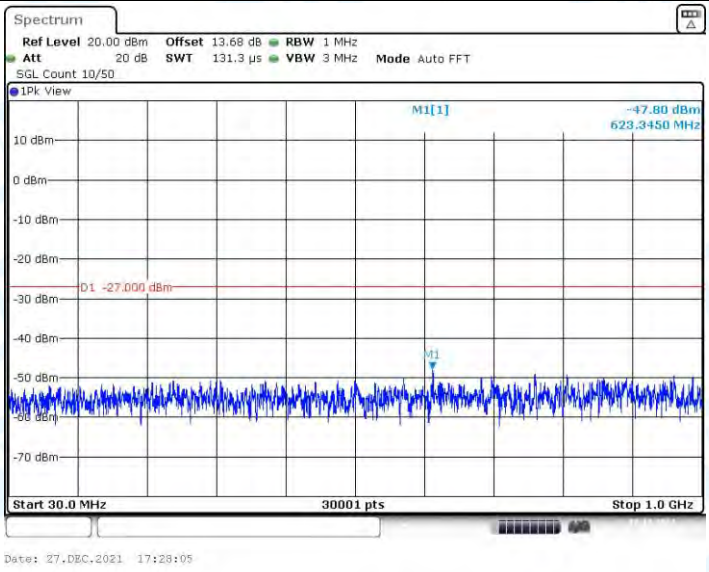
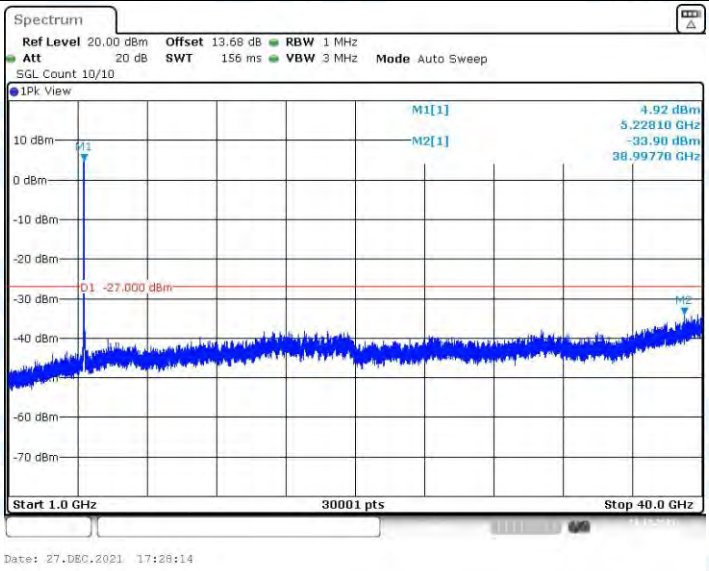
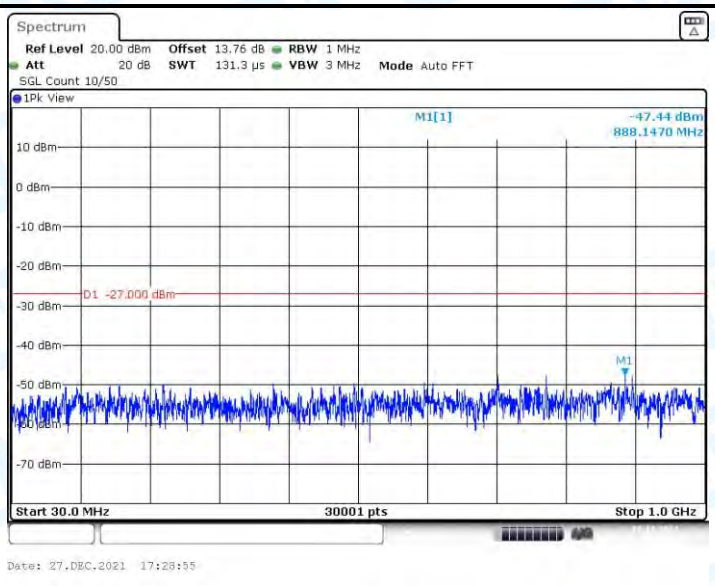


11AC40MIMO_Ant1_5230_30~1000



11AC40MIMO_Ant1_5230_1000~40000



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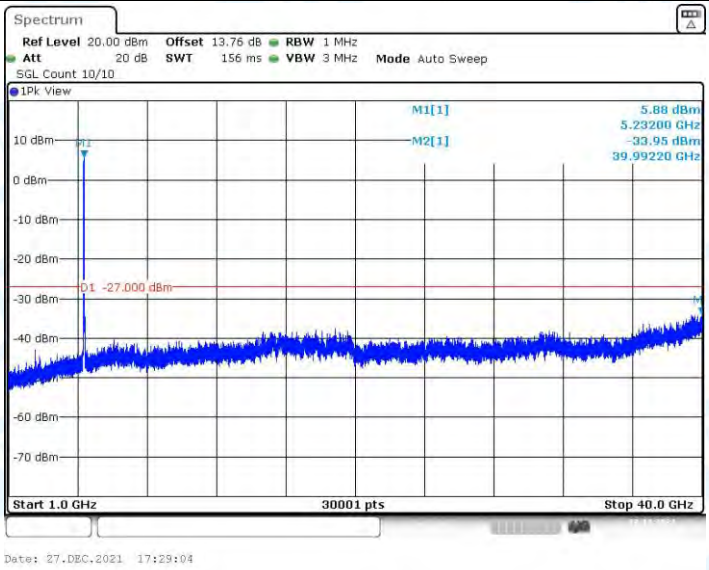

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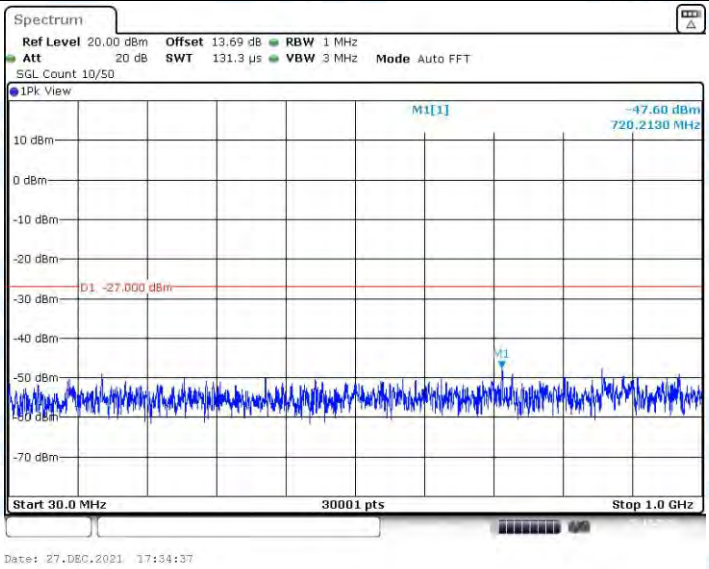
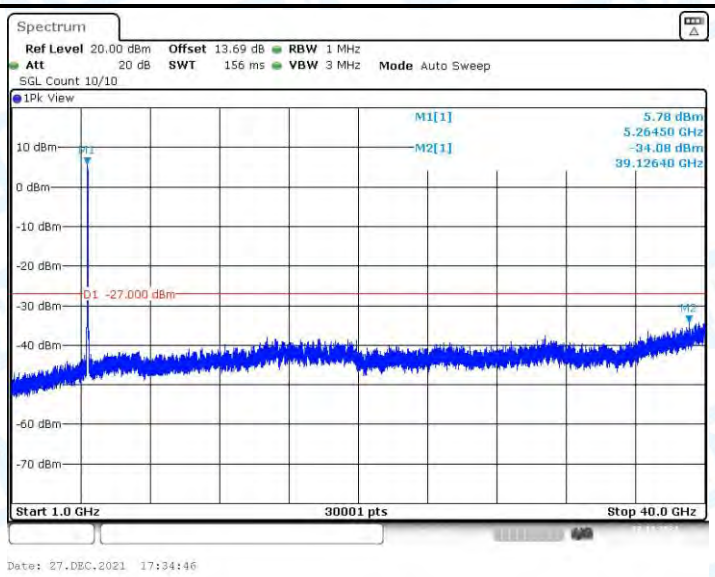
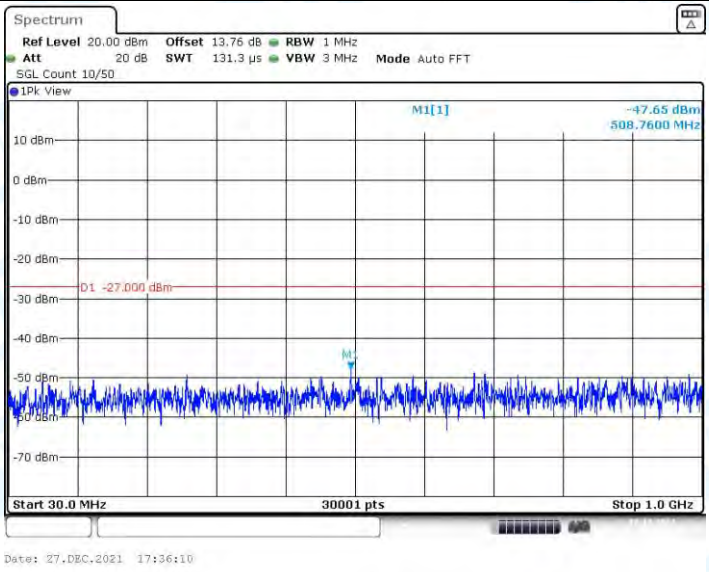


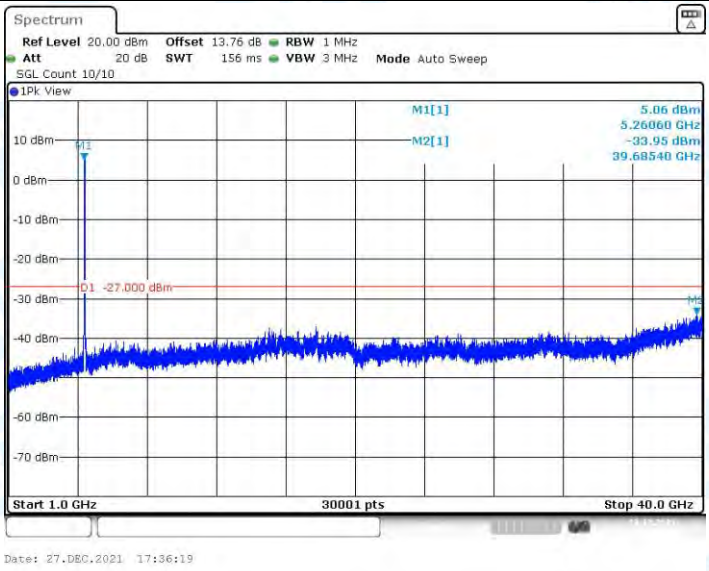
11AC40MIMO_Ant1_5270_30~1000



11AC40MIMO_Ant1_5270_1000~40000



11AC40MIMO_Ant2_5270_30~1000



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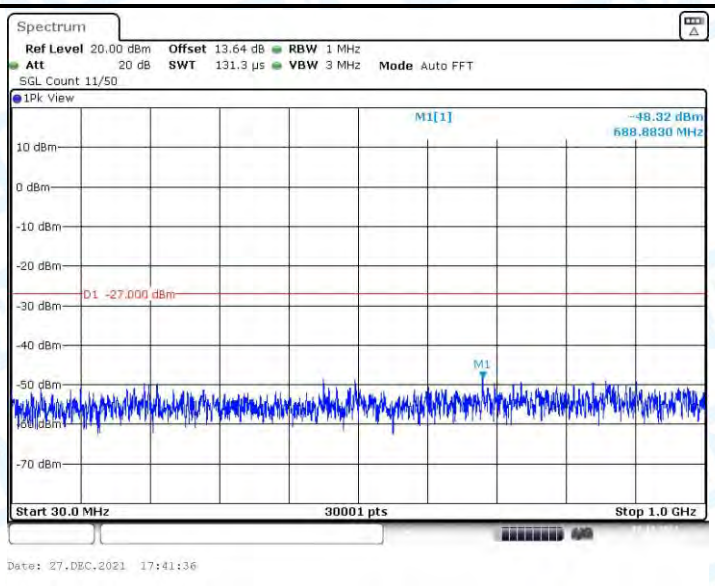
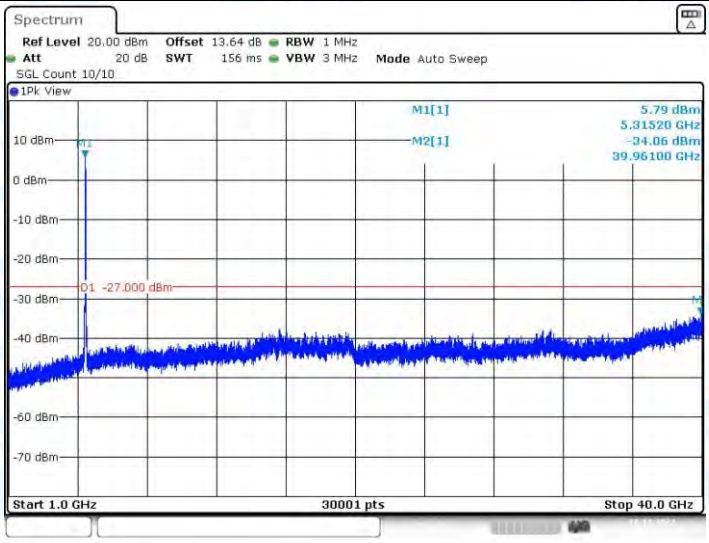


11AC40MIMO_Ant1_5310_30~1000



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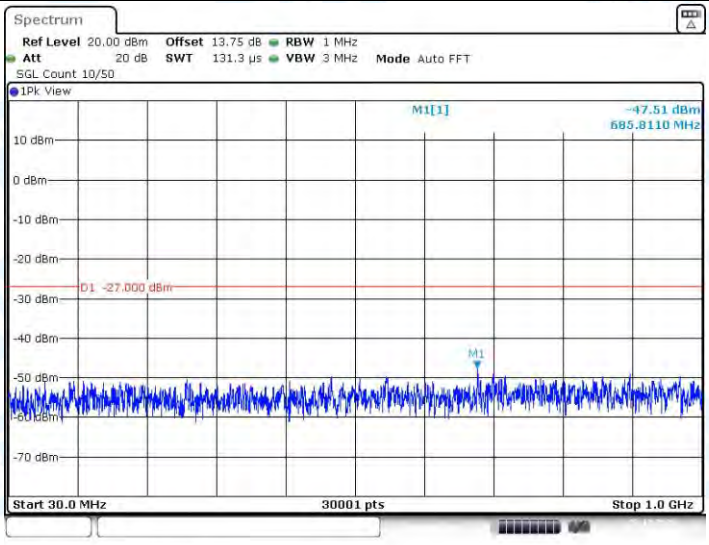

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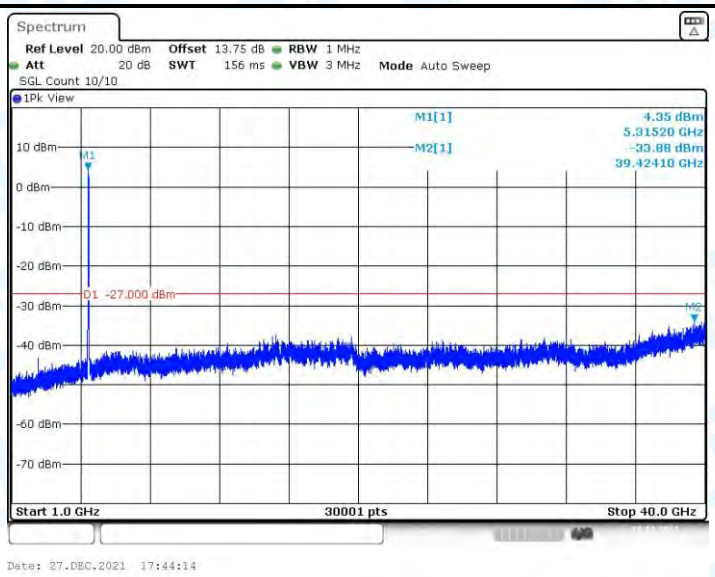
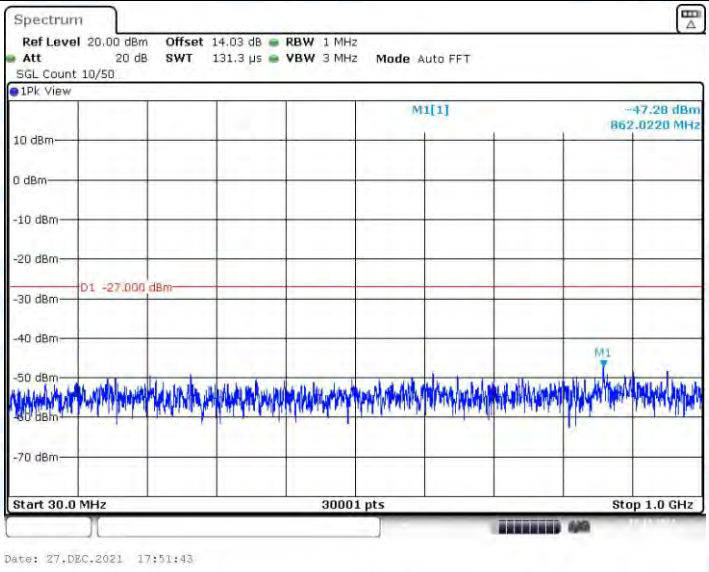
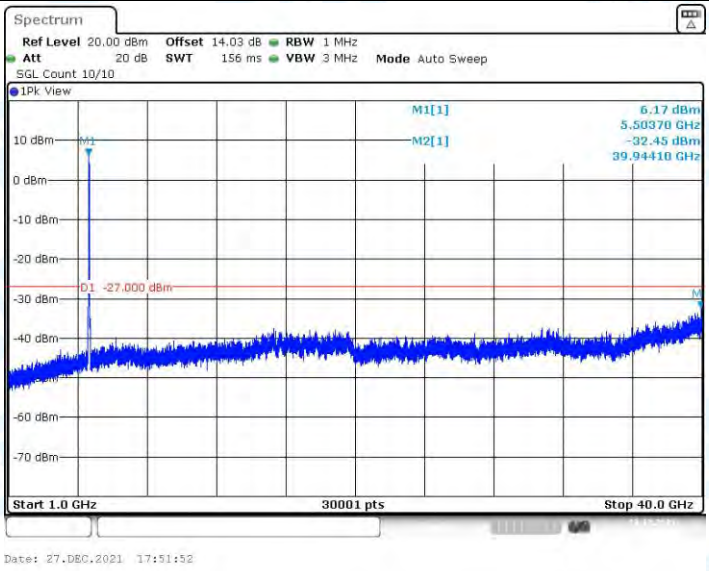


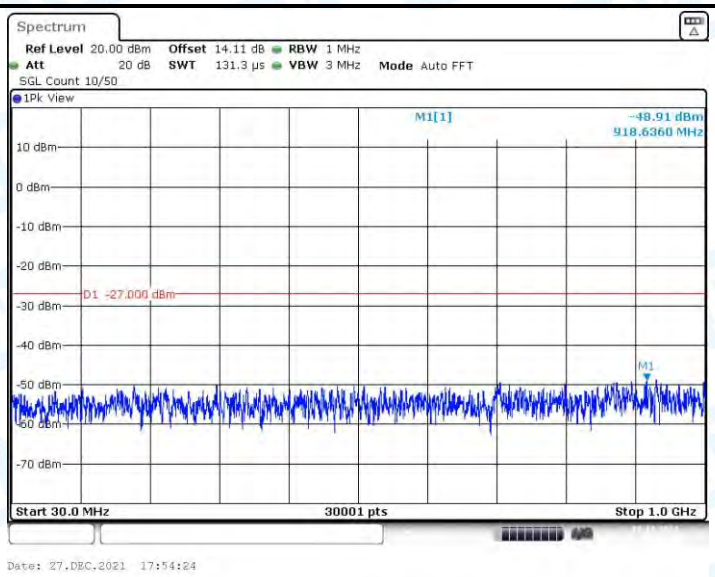
11AC40MIMO_Ant2_5310_1000~40000



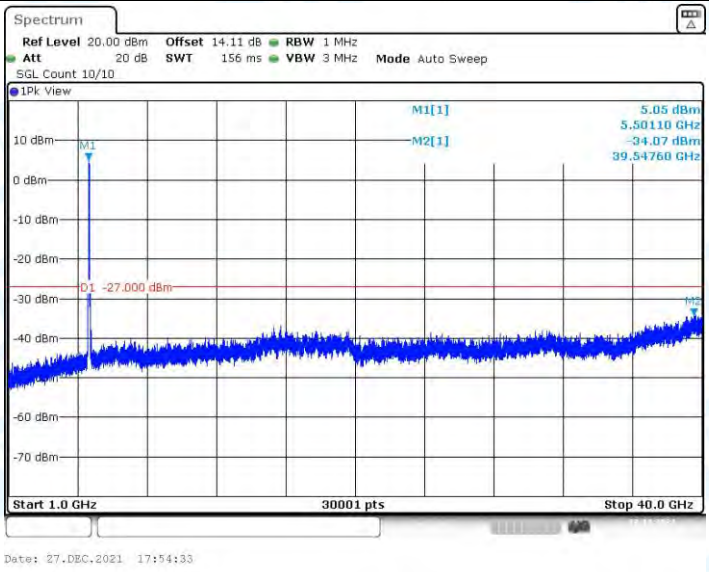
11AC40MIMO_Ant1_5510_30~1000



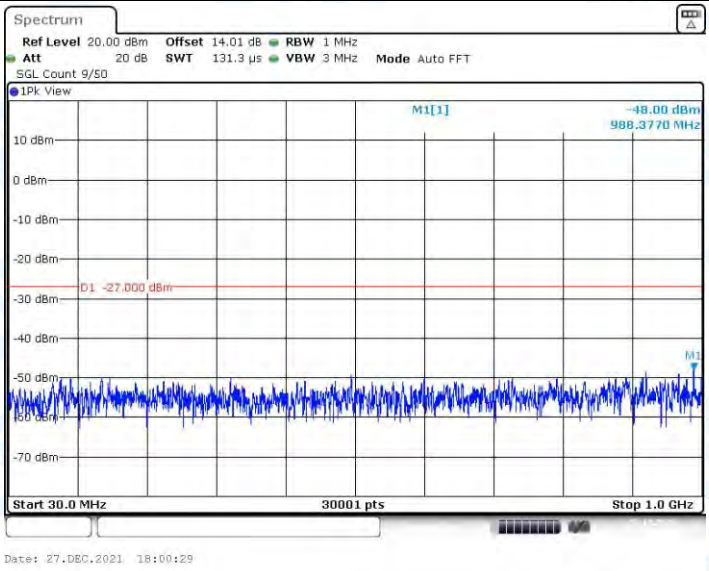
11AC40MIMO_Ant1_5510_1000~40000



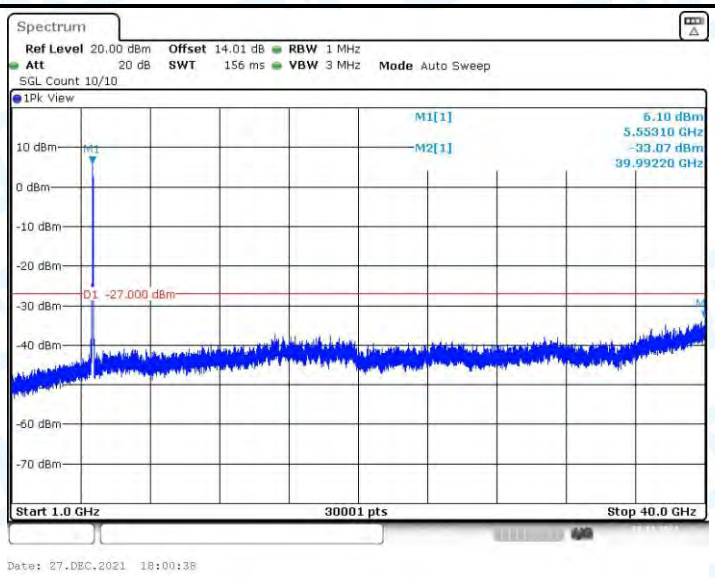
11AC40MIMO_Ant2_5510_30~1000



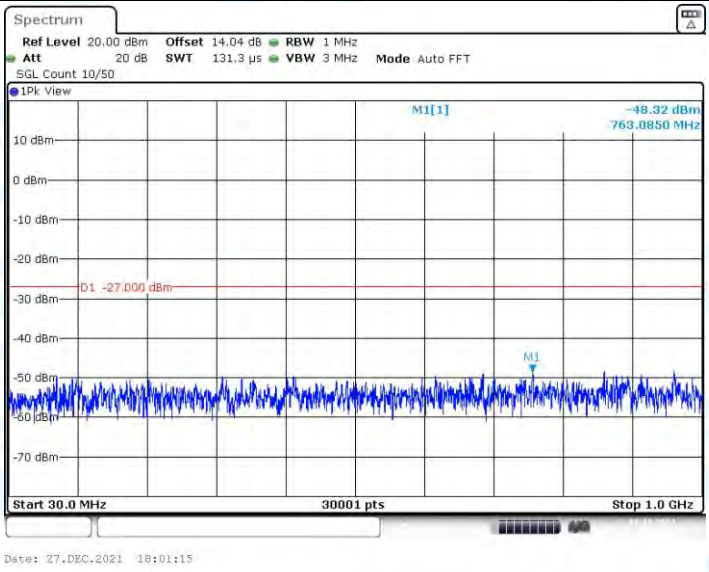
11AC40MIMO_Ant2_5510_1000~40000



11AC40MIMO_Ant1_5550_30~1000



11AC40MIMO_Ant1_5550_1000~40000



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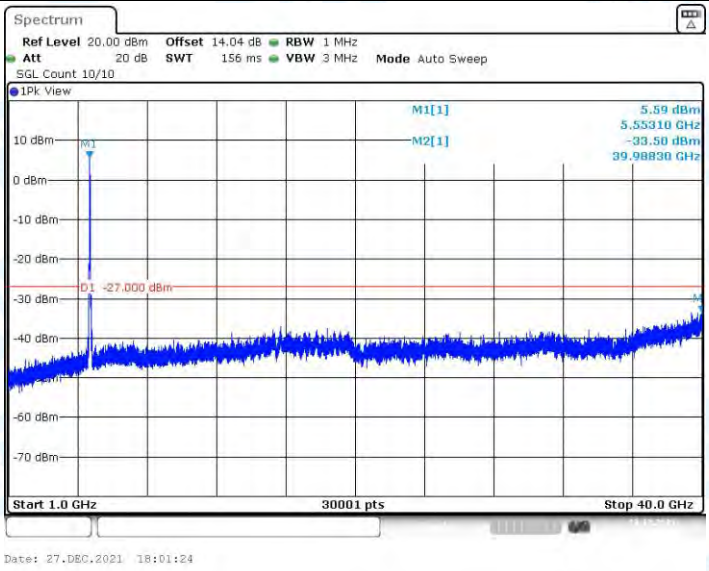

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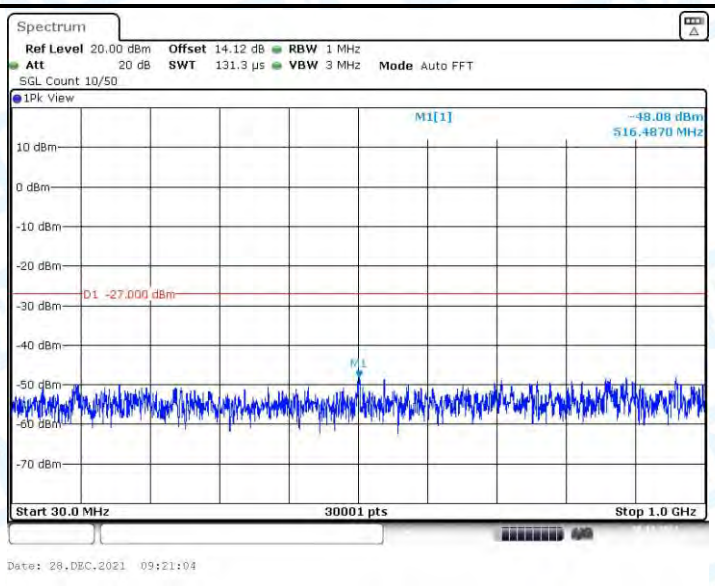
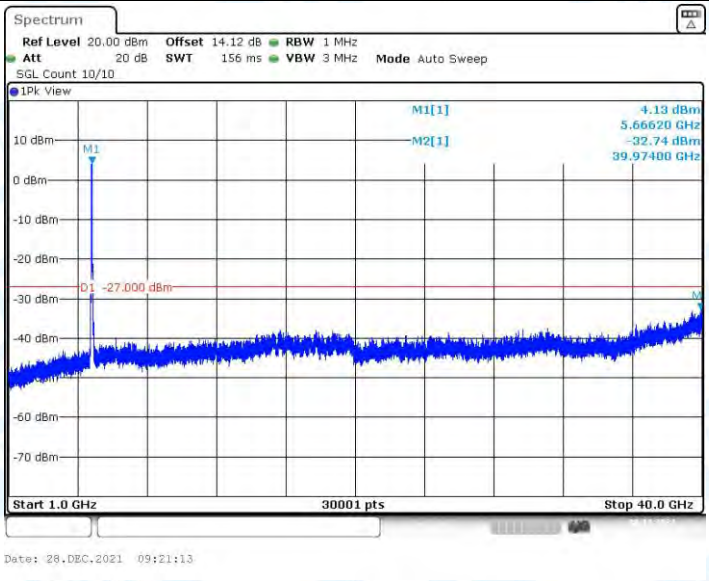
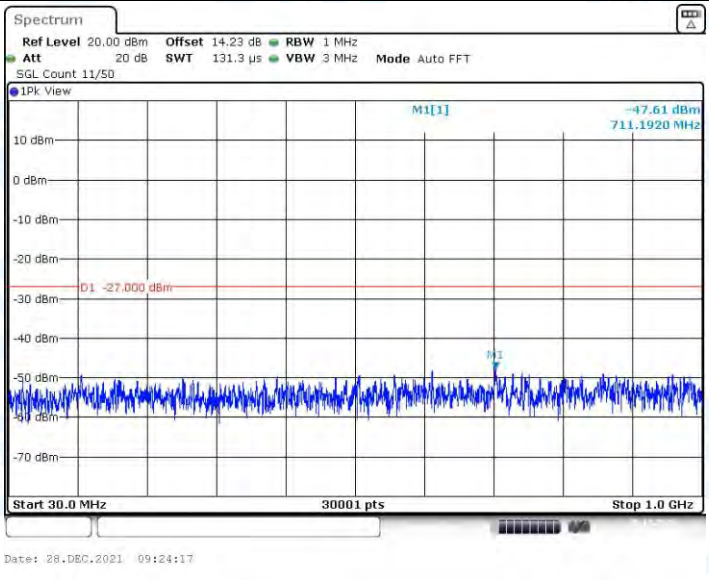


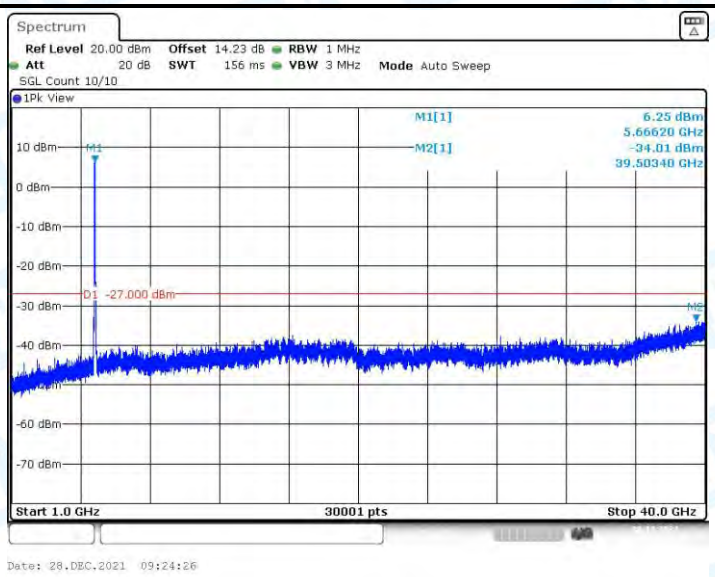
11AC40MIMO_Ant1_5670_30~1000



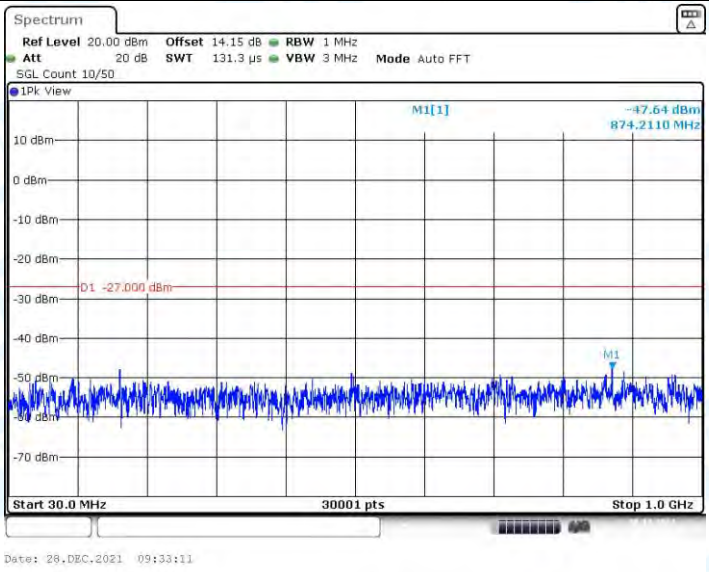
11AC40MIMO_Ant1_5670_1000~40000



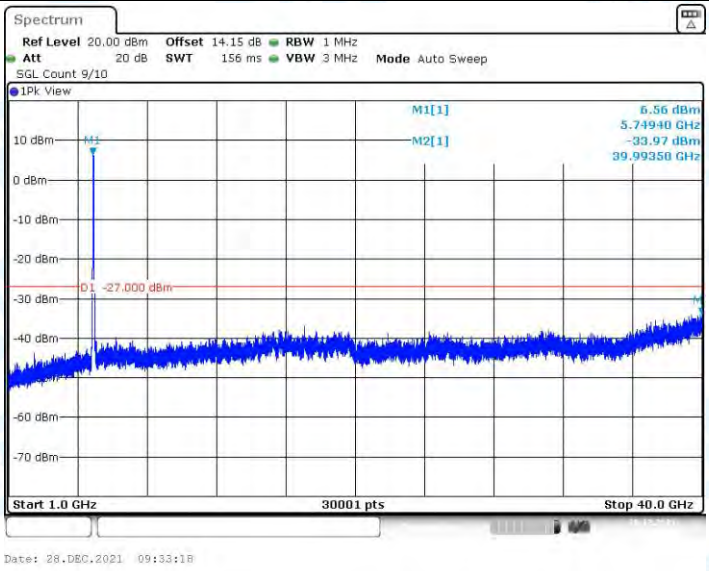
11AC40MIMO_Ant2_5670_30~1000



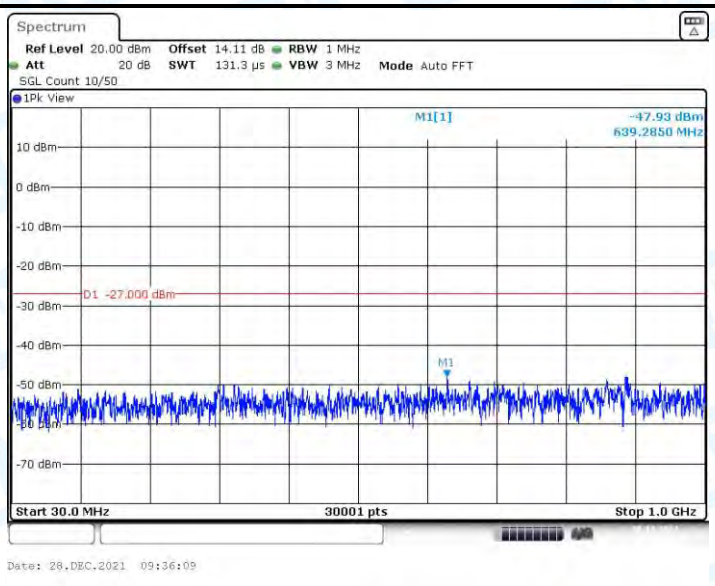
11AC40MIMO_Ant2_5670_1000~40000



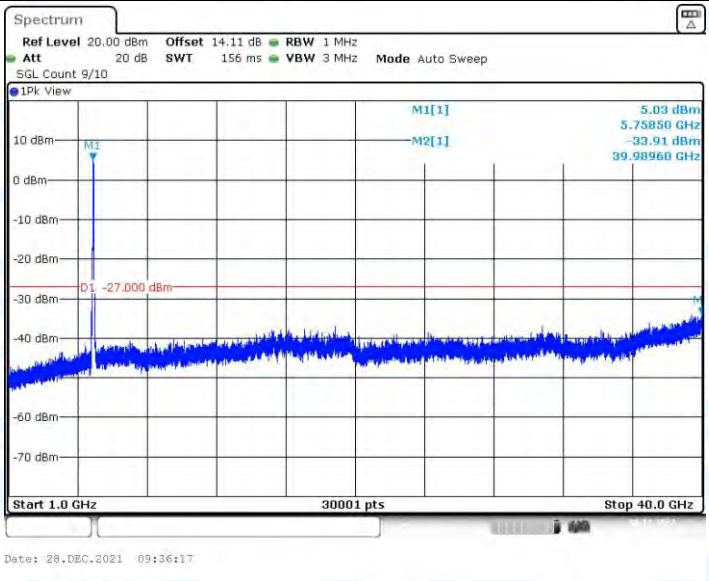
11AC40MIMO_Ant1_5755_30~1000



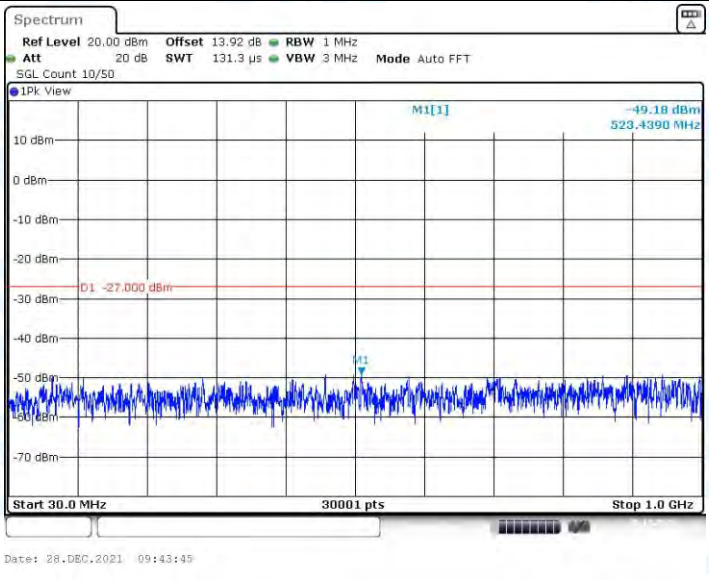
11AC40MIMO_Ant1_5755_1000~40000



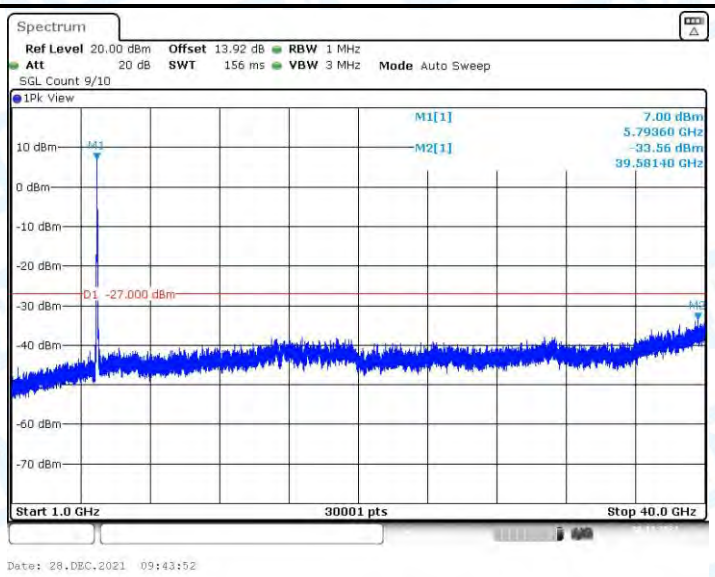
11AC40MIMO_Ant2_5755_30~1000



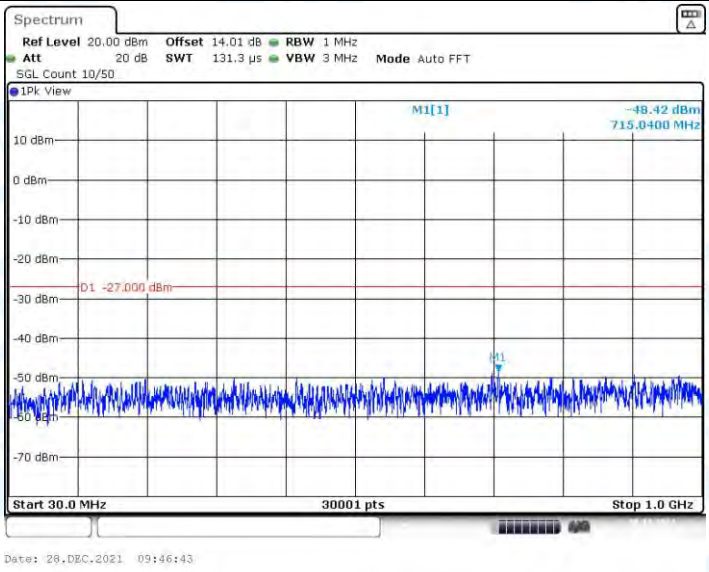
11AC40MIMO_Ant2_5755_1000~40000



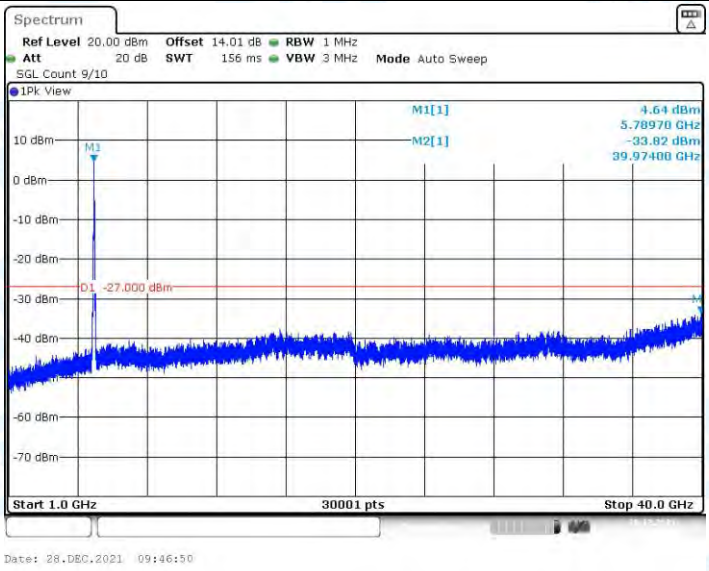
11AC40MIMO_Ant1_5795_30~1000



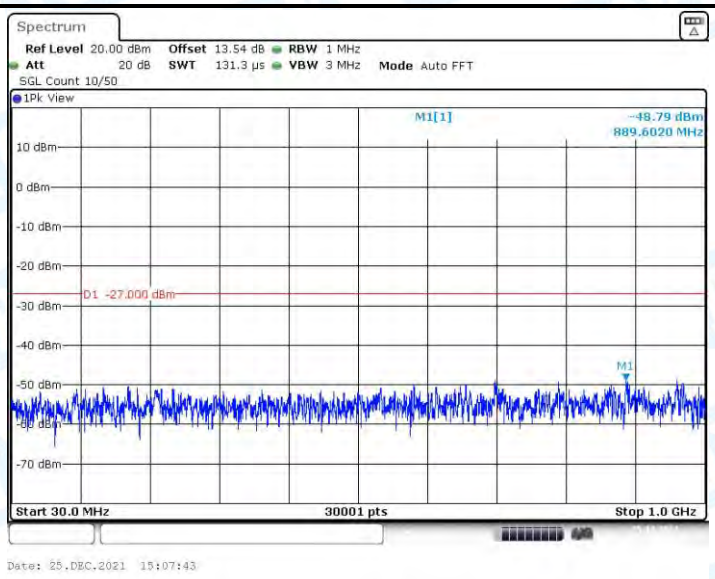
11AC40MIMO_Ant1_5795_1000~40000



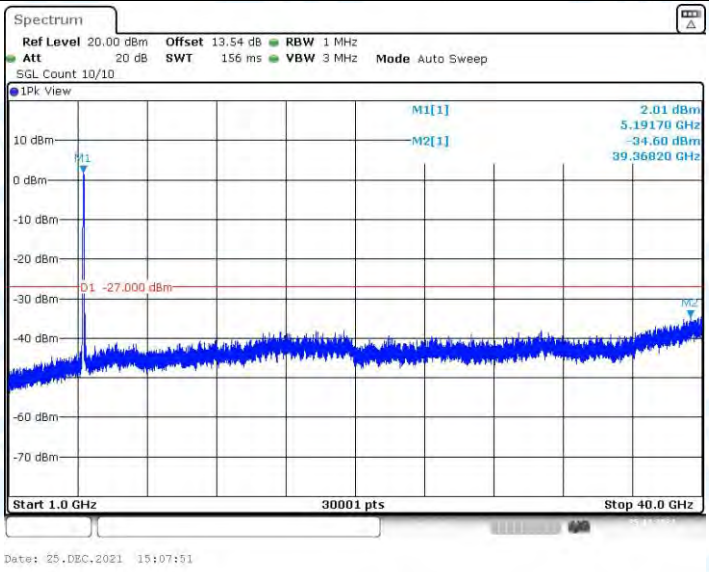
11AC40MIMO_Ant2_5795_30~1000



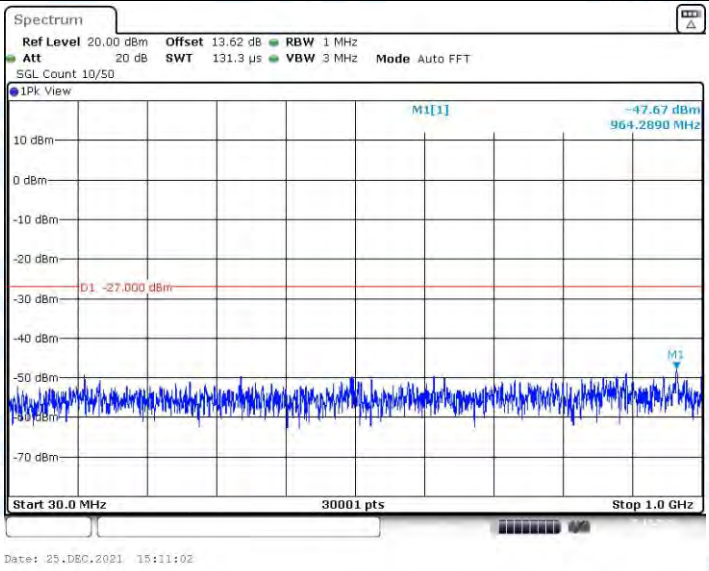
11AC40MIMO_Ant2_5795_1000~40000



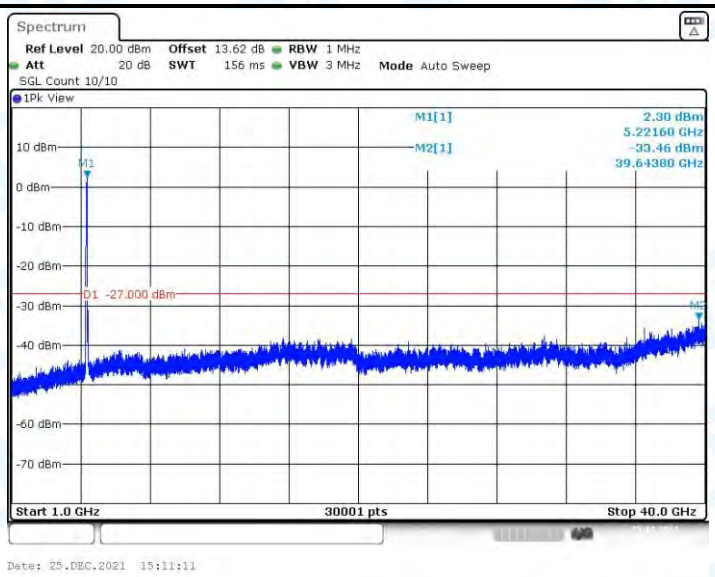
11AC80MIMO_Ant1_5210_30~1000



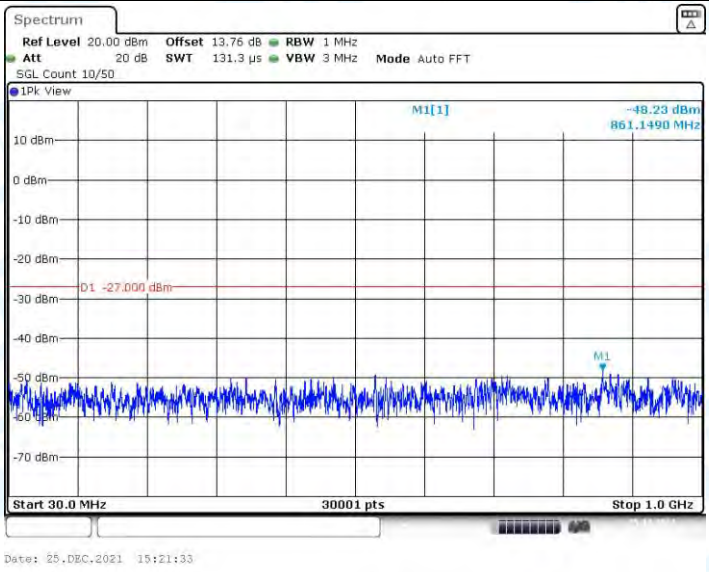
11AC80MIMO_Ant1_5210_1000~40000



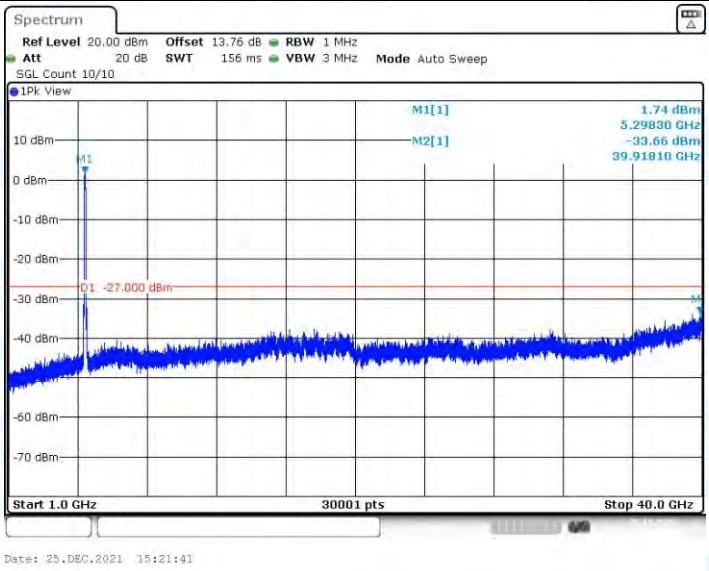
11AC80MIMO_Ant2_5210_30~1000



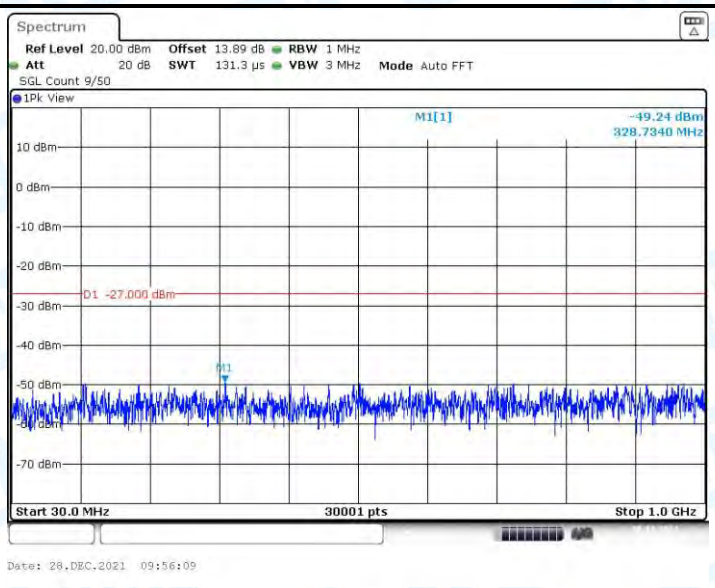
11AC80MIMO_Ant2_5210_1000~40000



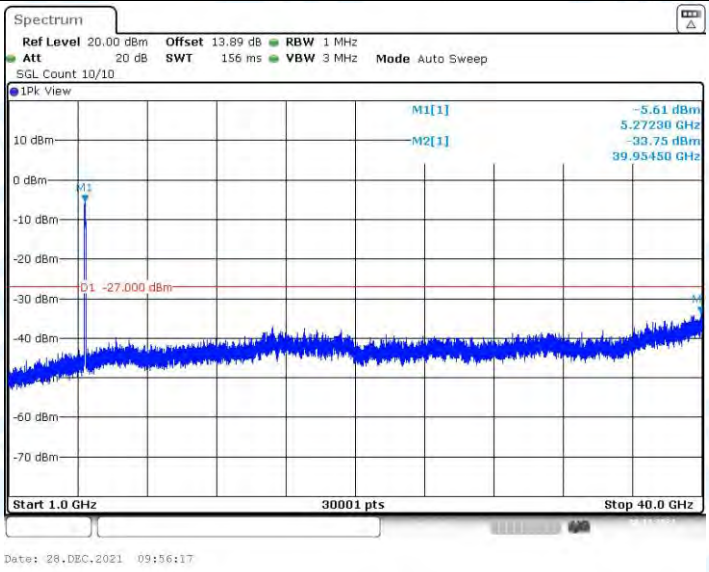
11AC80MIMO_Ant1_5290_30~1000



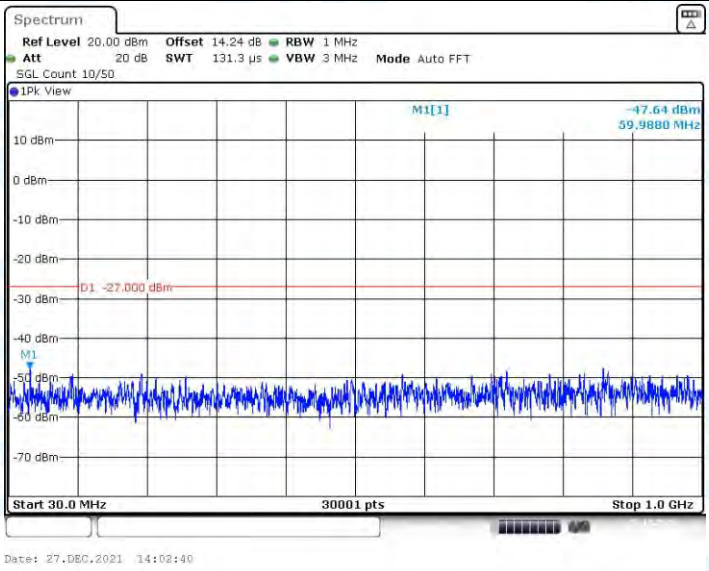
11AC80MIMO_Ant1_5290_1000~40000



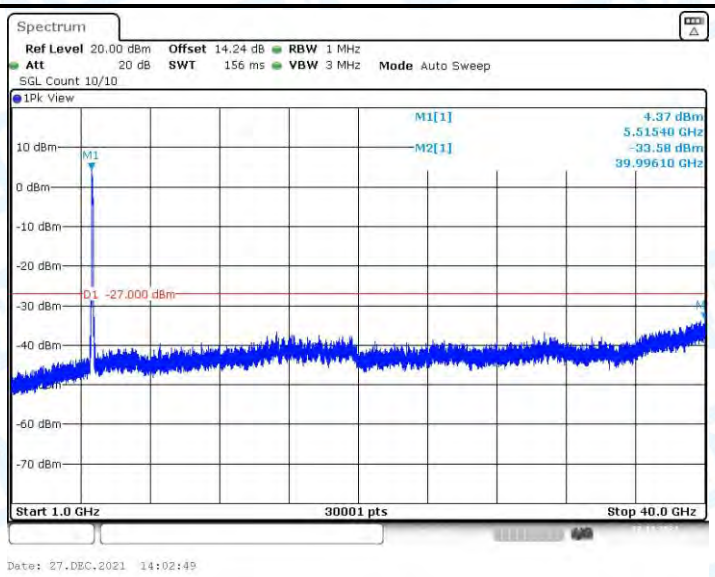
11AC80MIMO_Ant2_5290_30~1000



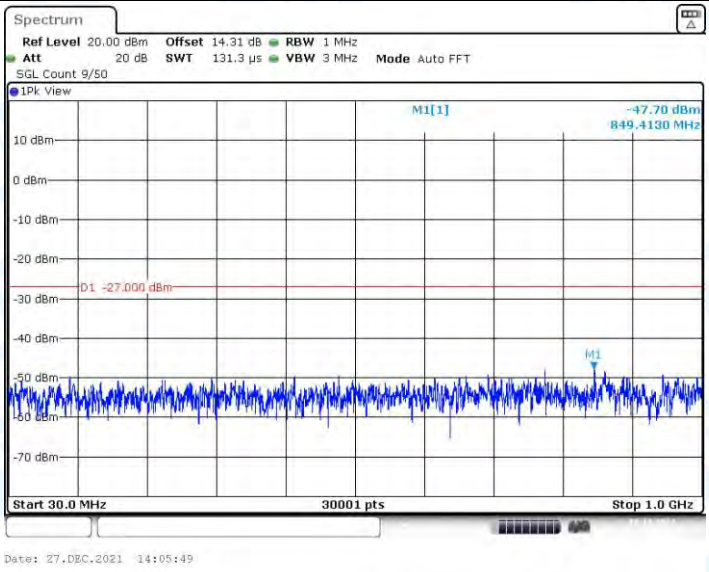
11AC80MIMO_Ant2_5290_1000~40000



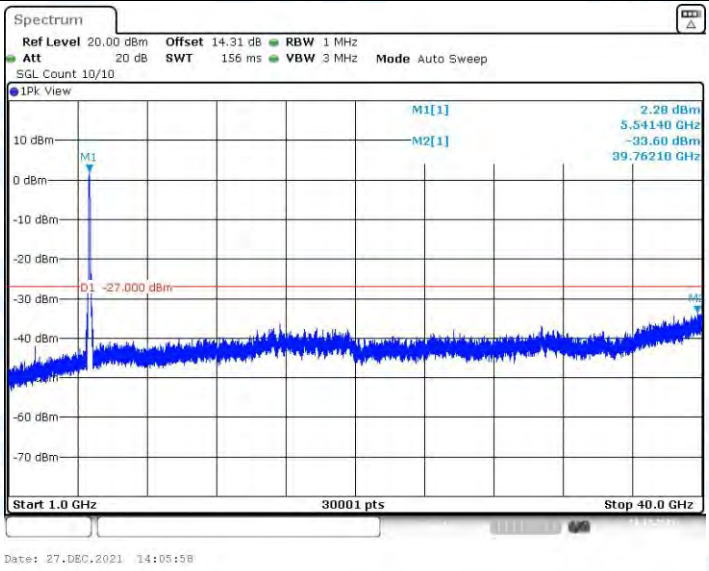
11AC80MIMO_Ant1_5530_30~1000



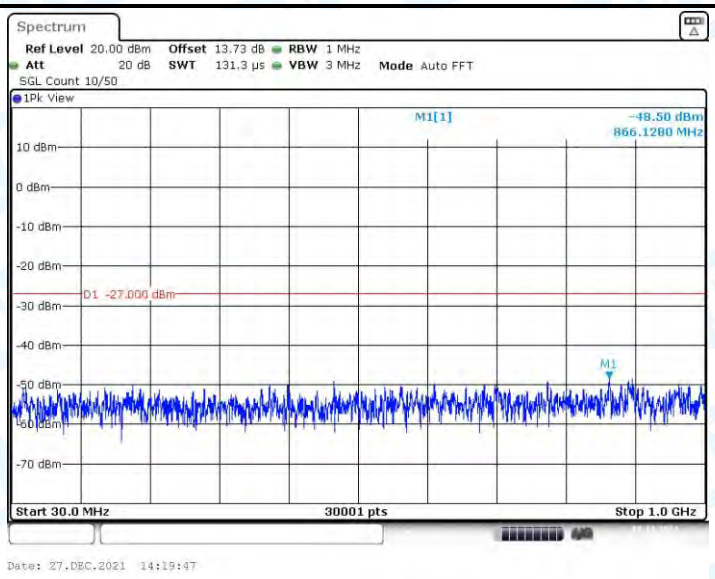
11AC80MIMO_Ant1_5530_1000~40000



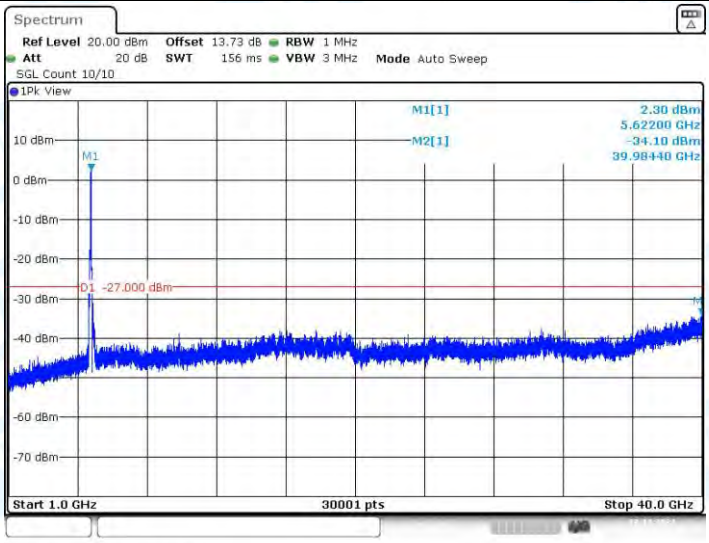
11AC80MIMO_Ant2_5530_30~1000



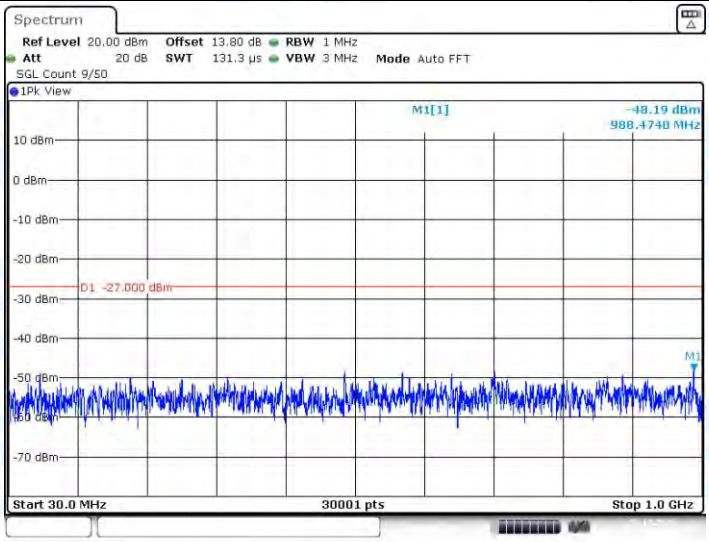
11AC80MIMO_Ant2_5530_1000~40000



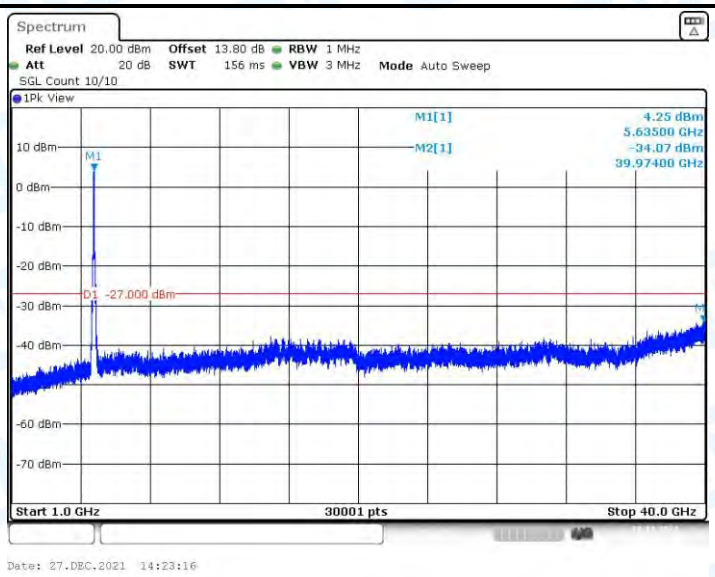
11AC80MIMO_Ant1_5610_30~1000



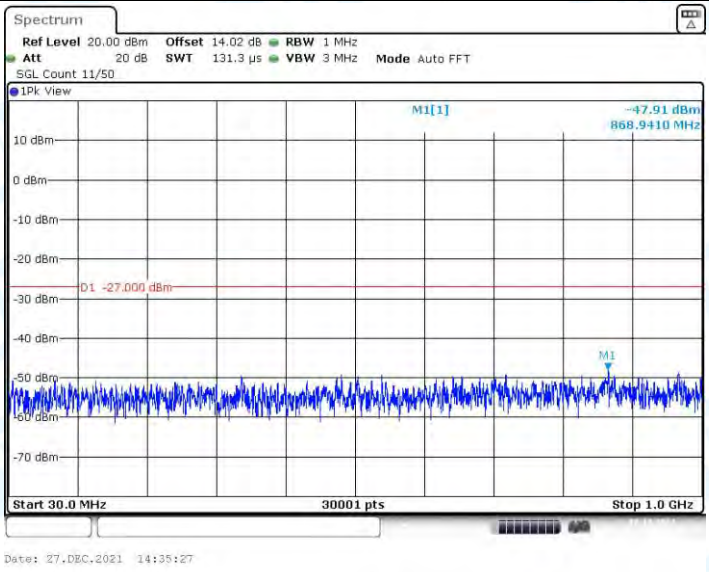
11AC80MIMO_Ant1_5610_1000~40000



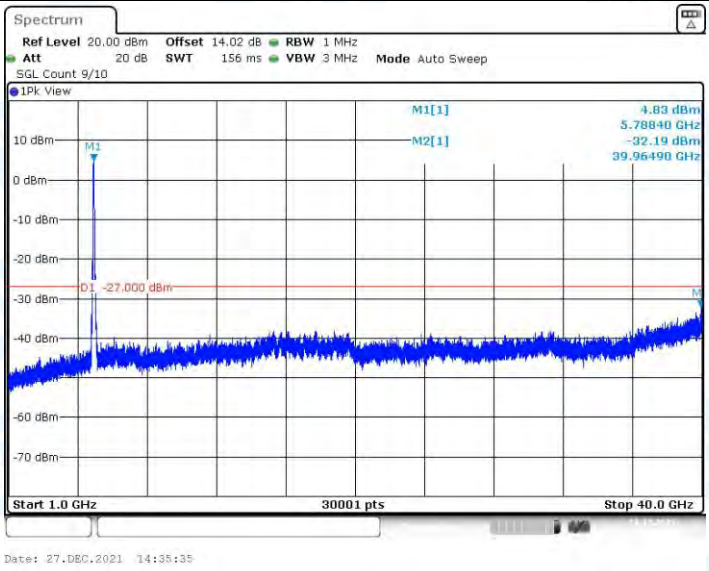
11AC80MIMO_Ant2_5610_30~1000



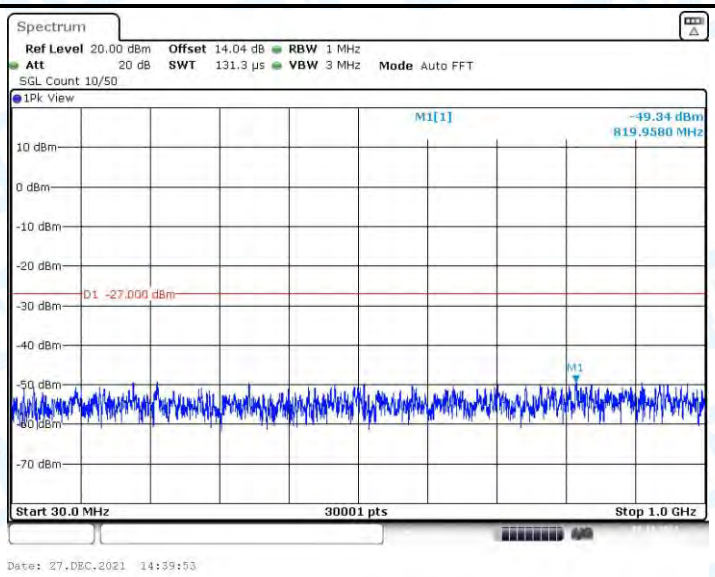
11AC80MIMO_Ant2_5610_1000~40000



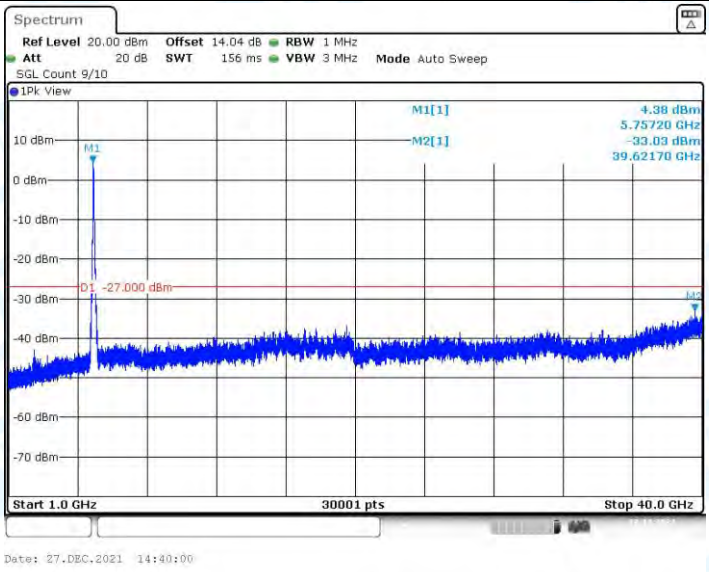
11AC80MIMO_Ant1_5775_30~1000



11AC80MIMO_Ant1_5775_1000~40000



11AC80MIMO_Ant2_5775_30~1000



11AC80MIMO_Ant2_5775_1000~40000

7. Frequency Stability

7.1.Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.861004	20	PASS
			HV	NT	-20000	-3.861004	20	PASS
	Ant2	5180	NV	NT	-20000	-3.861004	20	PASS
			LV	NT	20000	3.861004	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5260	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.802281	20	PASS
			HV	NT	20000	3.802281	20	PASS
	Ant2	5260	NV	NT	20000	3.802281	20	PASS
			LV	NT	20000	3.802281	20	PASS
			HV	NT	20000	3.802281	20	PASS
	Ant1	5500	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5500	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5745	NV	NT	20000	3.481288	20	PASS
			LV	NT	20000	3.481288	20	PASS
			HV	NT	20000	3.481288	20	PASS
	Ant2	5745	NV	NT	40000	6.962576	20	PASS
			LV	NT	40000	6.962576	20	PASS
			HV	NT	20000	3.481288	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.861004	20	PASS
			NV	20	-20000	-3.861004	20	PASS
			NV	30	-20000	-3.861004	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
	Ant2	5180	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.861004	20	PASS
			NV	-10	0	0	20	PASS

			NV	0	-20000	-3.861004	20	PASS
			NV	10	20000	3.861004	20	PASS
			NV	20	0	0	20	PASS
			NV	30	20000	3.861004	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
	Ant1	5260	NV	-30	0	0	20	PASS
			NV	-20	20000	3.802281	20	PASS
			NV	-10	20000	3.802281	20	PASS
			NV	0	20000	3.802281	20	PASS
			NV	10	20000	3.802281	20	PASS
			NV	20	20000	3.802281	20	PASS
			NV	30	20000	3.802281	20	PASS
			NV	40	20000	3.802281	20	PASS
			NV	50	20000	3.802281	20	PASS
	Ant2	5260	NV	-30	20000	3.802281	20	PASS
			NV	-20	20000	3.802281	20	PASS
			NV	-10	20000	3.802281	20	PASS
			NV	0	40000	7.604563	20	PASS
			NV	10	40000	7.604563	20	PASS
			NV	20	20000	3.802281	20	PASS
			NV	30	20000	3.802281	20	PASS
			NV	40	20000	3.802281	20	PASS
			NV	50	20000	3.802281	20	PASS
	Ant1	5500	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.636364	20	PASS
	Ant2	5500	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	20000	3.636364	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.636364	20	PASS
			NV	30	-20000	-3.636364	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
	Ant1	5745	NV	-30	20000	3.481288	20	PASS
			NV	-20	20000	3.481288	20	PASS
			NV	-10	20000	3.481288	20	PASS
			NV	0	20000	3.481288	20	PASS

			NV	10	20000	3.481288	20	PASS
			NV	20	40000	6.962576	20	PASS
			NV	30	40000	6.962576	20	PASS
			NV	40	20000	3.481288	20	PASS
			NV	50	20000	3.481288	20	PASS
	Ant2	5745	NV	-30	20000	3.481288	20	PASS
			NV	-20	40000	6.962576	20	PASS
			NV	-10	20000	3.481288	20	PASS
			NV	0	20000	3.481288	20	PASS
			NV	10	40000	6.962576	20	PASS
			NV	20	60000	10.443864	20	PASS
			NV	30	40000	6.962576	20	PASS
			NV	40	40000	6.962576	20	PASS
			NV	50	20000	3.481288	20	PASS

8. Duty Cycle

8.1.Test Result

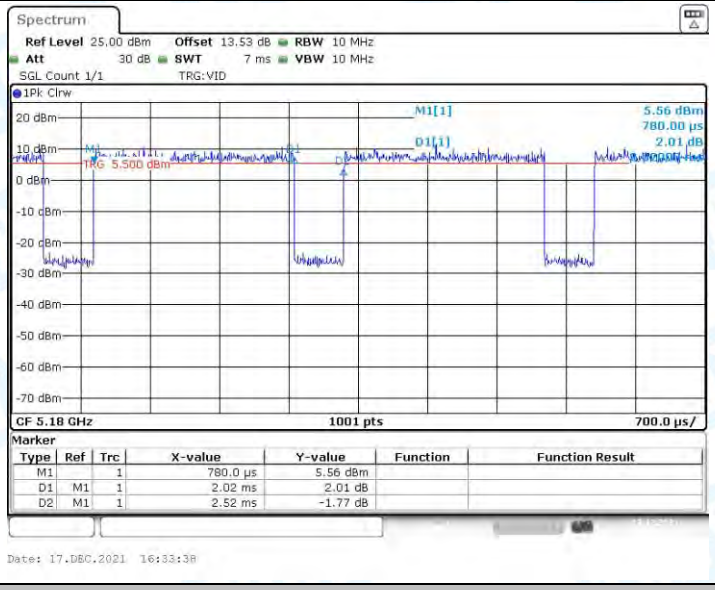
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [KHz]	Limit	Verdict
11A-CDD	Ant1	5180	2.02	2.52	80.16	0.495	---	PASS
	Ant2	5180	2.02	2.53	79.84	0.495	---	PASS
	Ant1	5200	2.03	2.53	80.24	0.493	---	PASS
	Ant2	5200	2.02	2.53	79.84	0.495	---	PASS
	Ant1	5240	2.02	2.52	80.16	0.495	---	PASS
	Ant2	5240	2.03	2.53	80.24	0.493	---	PASS
	Ant1	5260	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5260	2.03	2.53	80.24	0.493	---	PASS
	Ant1	5280	2.03	2.53	80.24	0.493	---	PASS
	Ant2	5280	2.02	2.53	79.84	0.495	---	PASS
	Ant1	5320	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5320	2.02	2.52	80.16	0.495	---	PASS
	Ant1	5500	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5500	2.02	2.52	80.16	0.495	---	PASS
	Ant1	5580	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5580	2.02	2.53	79.84	0.495	---	PASS
	Ant1	5700	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5700	2.02	2.52	80.16	0.495	---	PASS
	Ant1	5745	2.02	2.53	79.84	0.495	---	PASS
	Ant2	5745	2.03	2.53	80.24	0.493	---	PASS
	Ant1	5785	2.02	2.52	80.16	0.495	---	PASS
	Ant2	5785	2.02	2.53	79.84	0.495	---	PASS
	Ant1	5825	2.03	2.53	80.24	0.493	---	PASS
	Ant2	5825	2.02	2.53	79.84	0.495	---	PASS
11N20MIMO	Ant1	5180	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5180	1.88	2.39	78.66	0.532	---	PASS
	Ant1	5200	1.88	2.39	78.66	0.532	---	PASS
	Ant2	5200	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5240	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5240	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5260	1.88	2.39	78.66	0.532	---	PASS
	Ant2	5260	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5280	1.89	2.40	78.75	0.529	---	PASS
	Ant2	5280	1.88	2.38	78.99	0.532	---	PASS
	Ant1	5320	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5320	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5500	1.89	2.40	78.75	0.529	---	PASS
	Ant2	5500	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5580	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5580	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5700	1.89	2.39	79.08	0.529	---	PASS

	Ant2	5700	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5745	1.88	2.39	78.66	0.532	---	PASS
	Ant2	5745	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5785	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5785	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5825	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5825	1.89	2.39	79.08	0.529	---	PASS
11N40MIMO	Ant1	5190	0.92	1.42	64.79	1.087	---	PASS
	Ant2	5190	0.92	1.43	64.34	1.087	---	PASS
	Ant1	5230	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5230	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5270	0.92	1.43	64.34	1.087	---	PASS
	Ant2	5270	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5310	0.92	1.43	64.34	1.087	---	PASS
	Ant2	5310	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5510	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5510	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5550	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5550	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5670	0.92	1.43	64.34	1.087	---	PASS
	Ant2	5670	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5755	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5755	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5795	0.92	1.42	64.79	1.087	---	PASS
	Ant2	5795	0.92	1.43	64.34	1.087	---	PASS
11AC20MIMO	Ant1	5180	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5180	1.89	2.39	79.08	0.529	---	PASS
	Ant1	5200	1.89	2.40	78.75	0.529	---	PASS
	Ant2	5200	1.90	2.39	79.50	0.526	---	PASS
	Ant1	5240	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5240	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5260	1.89	2.40	78.75	0.529	---	PASS
	Ant2	5260	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5280	1.90	2.40	79.17	0.526	---	PASS
	Ant2	5280	1.90	2.39	79.50	0.526	---	PASS
	Ant1	5320	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5320	1.90	2.40	79.17	0.526	---	PASS
	Ant1	5500	1.90	2.39	79.50	0.526	---	PASS
	Ant2	5500	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5580	1.89	2.40	78.75	0.529	---	PASS
	Ant2	5580	1.90	2.40	79.17	0.526	---	PASS
	Ant1	5700	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5700	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5745	1.89	2.39	79.08	0.529	---	PASS
	Ant2	5745	1.89	2.40	78.75	0.529	---	PASS
	Ant1	5785	1.89	2.39	79.08	0.529	---	PASS

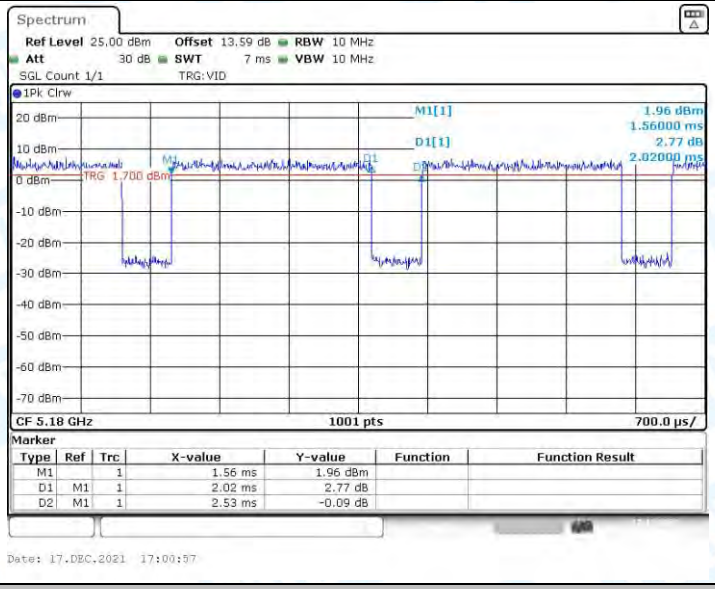
	Ant2	5785	1.90	2.40	79.17	0.526	---	PASS
	Ant1	5825	1.90	2.39	79.50	0.526	---	PASS
	Ant2	5825	1.90	2.40	79.17	0.526	---	PASS
11AC40MIMO	Ant1	5190	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5190	0.94	1.44	65.28	1.064	---	PASS
	Ant1	5230	0.94	1.44	65.28	1.064	---	PASS
	Ant2	5230	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5270	0.93	1.44	64.58	1.075	---	PASS
	Ant2	5270	0.94	1.44	65.28	1.064	---	PASS
	Ant1	5310	0.94	1.44	65.28	1.064	---	PASS
	Ant2	5310	0.93	1.43	65.03	1.075	---	PASS
	Ant1	5510	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5510	0.93	1.44	64.58	1.075	---	PASS
	Ant1	5550	0.93	1.44	64.58	1.075	---	PASS
	Ant2	5550	0.93	1.44	64.58	1.075	---	PASS
	Ant1	5670	0.93	1.43	65.03	1.075	---	PASS
	Ant2	5670	0.93	1.44	64.58	1.075	---	PASS
	Ant1	5755	0.93	1.44	64.58	1.075	---	PASS
	Ant2	5755	0.93	1.44	64.58	1.075	---	PASS
	Ant1	5795	0.93	1.44	64.58	1.075	---	PASS
	Ant2	5795	0.93	1.43	65.03	1.075	---	PASS
11AC80MIMO	Ant1	5210	0.46	0.96	47.92	2.174	---	PASS
	Ant2	5210	0.45	0.96	46.88	2.222	---	PASS
	Ant1	5290	0.45	0.96	46.88	2.222	---	PASS
	Ant2	5290	0.46	0.96	47.92	2.174	---	PASS
	Ant1	5530	0.46	0.96	47.92	2.174	---	PASS
	Ant2	5530	0.45	0.96	46.88	2.222	---	PASS
	Ant1	5610	0.45	0.96	46.88	2.222	---	PASS
	Ant2	5610	0.45	0.96	46.88	2.222	---	PASS
	Ant1	5775	0.45	0.96	46.88	2.222	---	PASS
	Ant2	5775	0.45	0.96	46.88	2.222	---	PASS

Note: The frequency 5610MHz data is only applicable to FCC, not applicable to ISED.

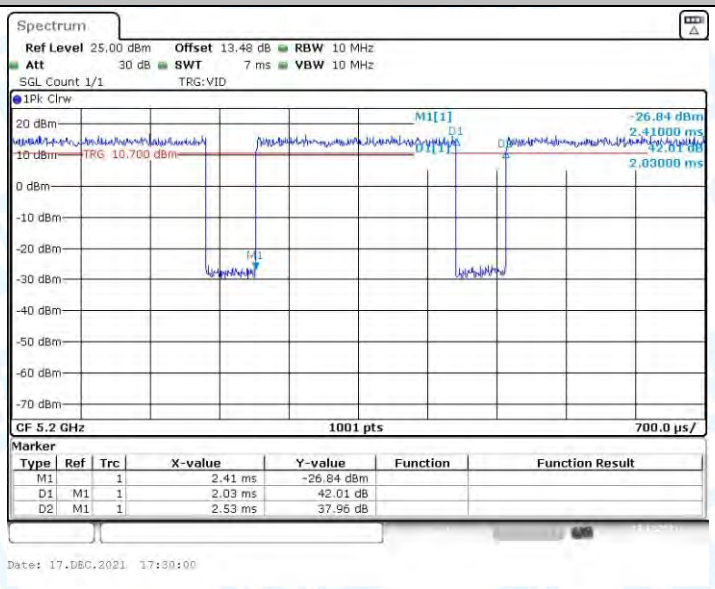
8.2.Test Graphs



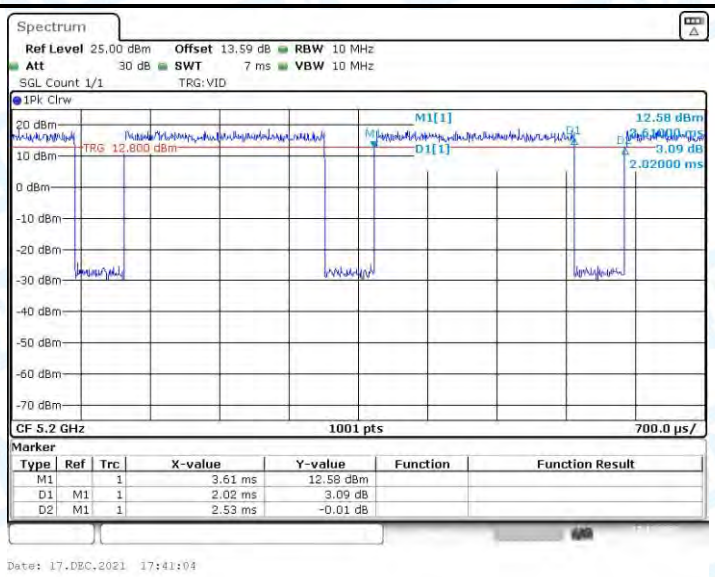
11A-CDD_Ant1_5180



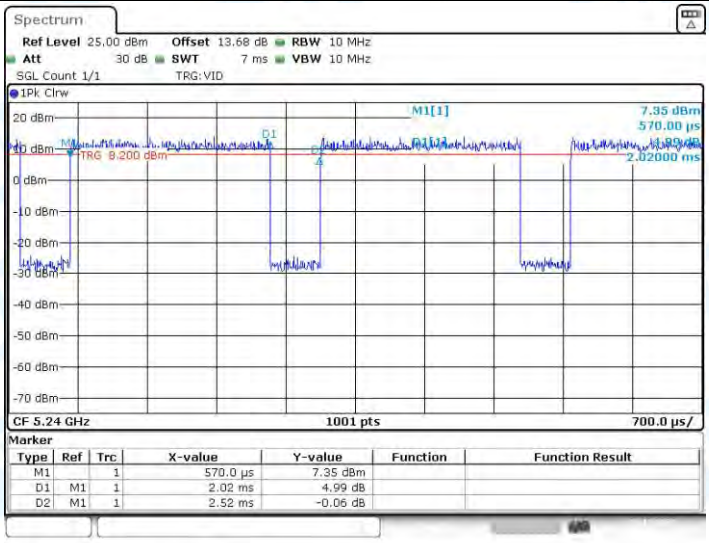
11A-CDD_Ant2_5180



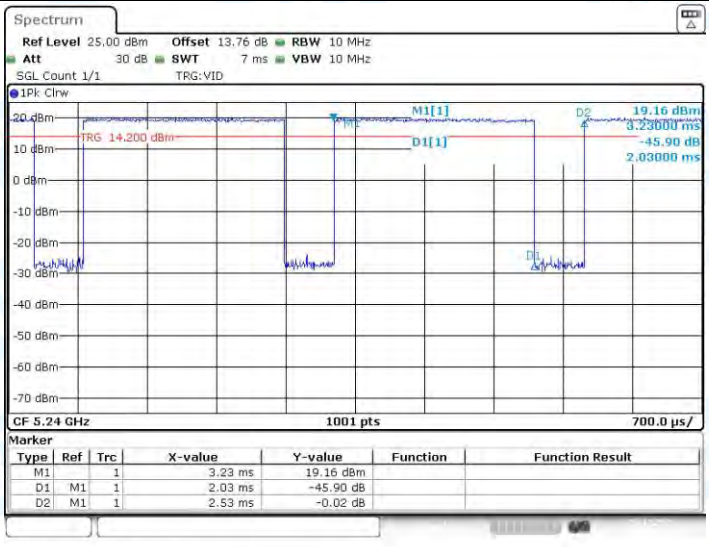
11A-CDD_Ant1_5200



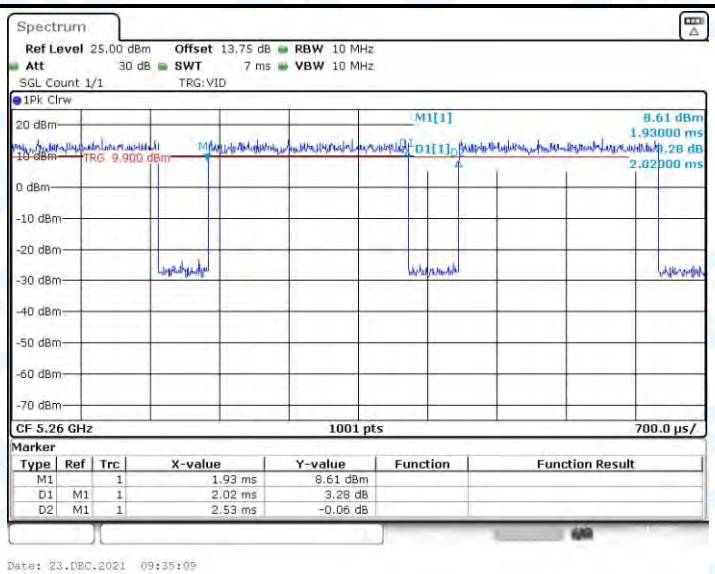
11A-CDD_Ant2_5200



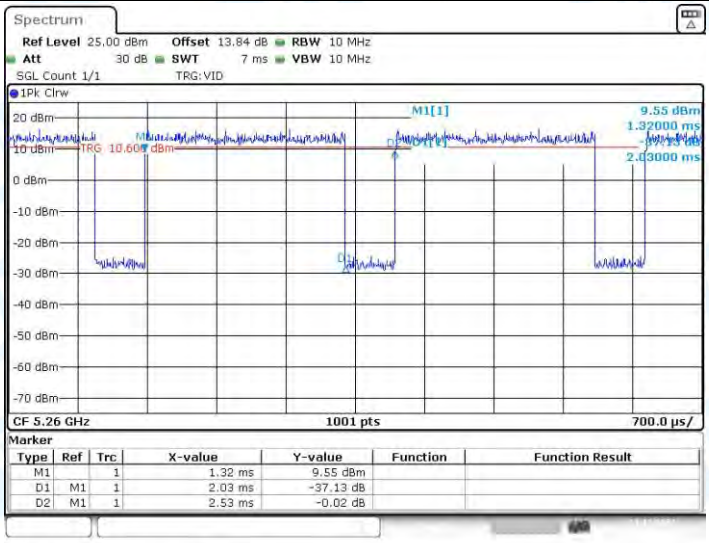
11A-CDD_Ant1_5240



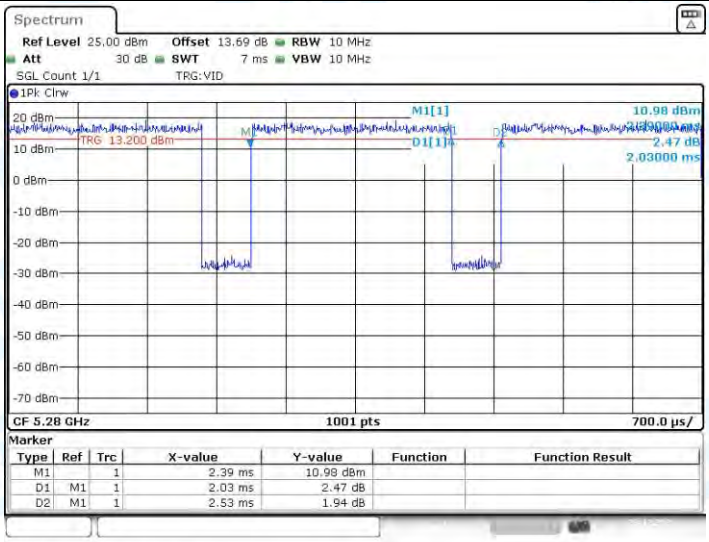
11A-CDD_Ant2_5240



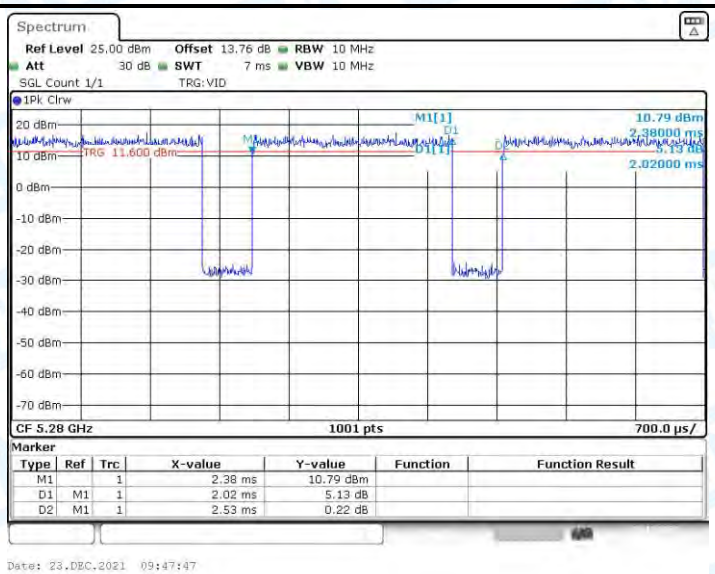
11A-CDD_Ant1_5260



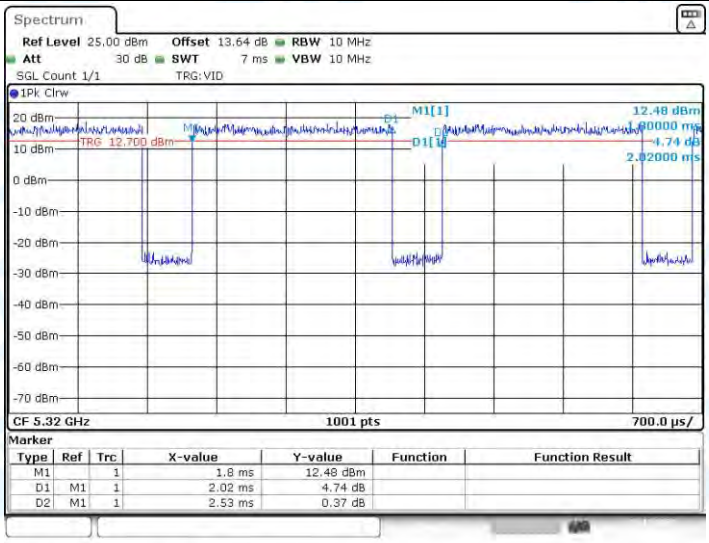
11A-CDD_Ant2_5260



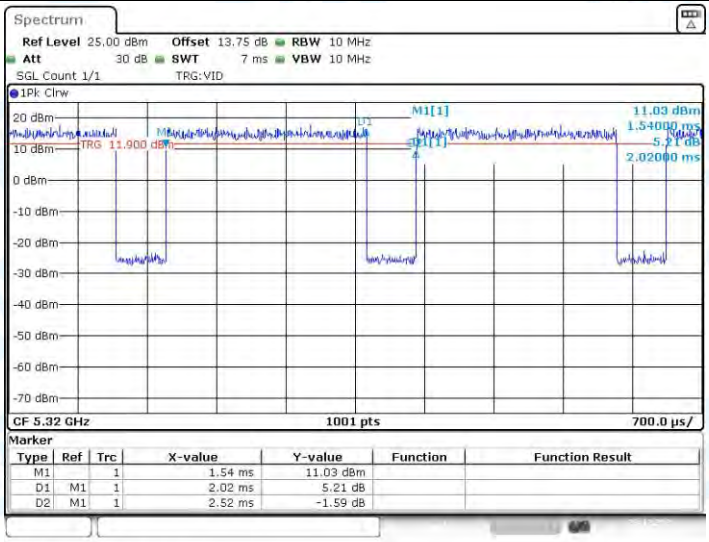
11A-CDD_Ant1_5280



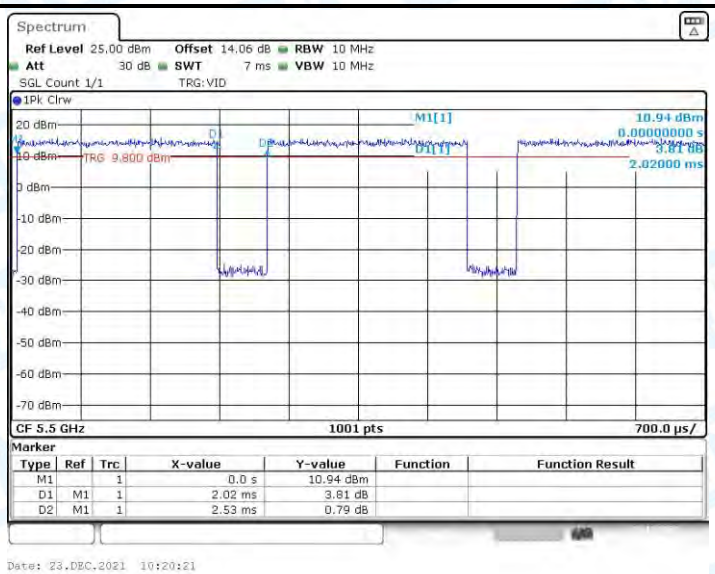
11A-CDD_Ant2_5280



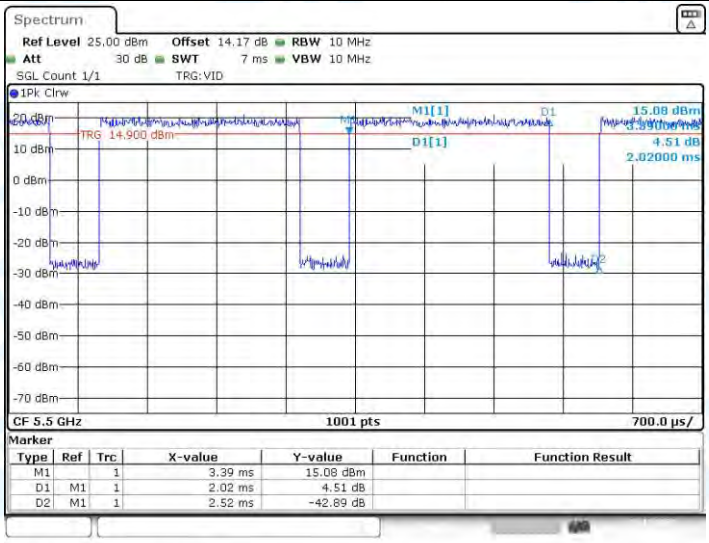
11A-CDD_Ant1_5320



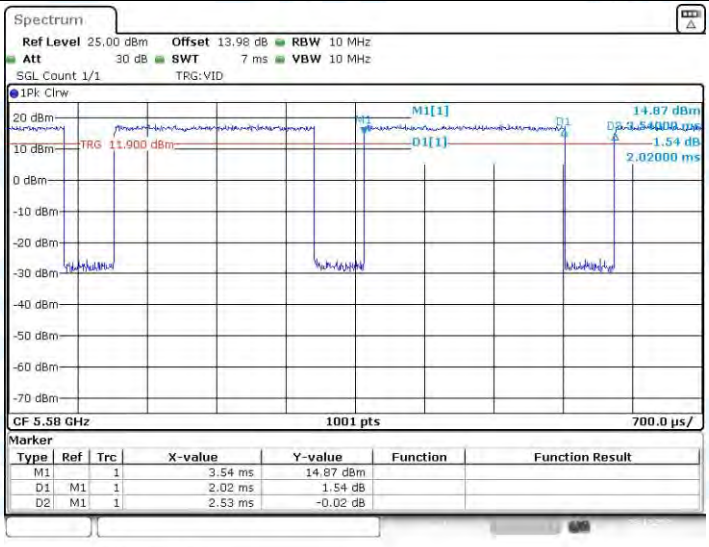
11A-CDD_Ant2_5320



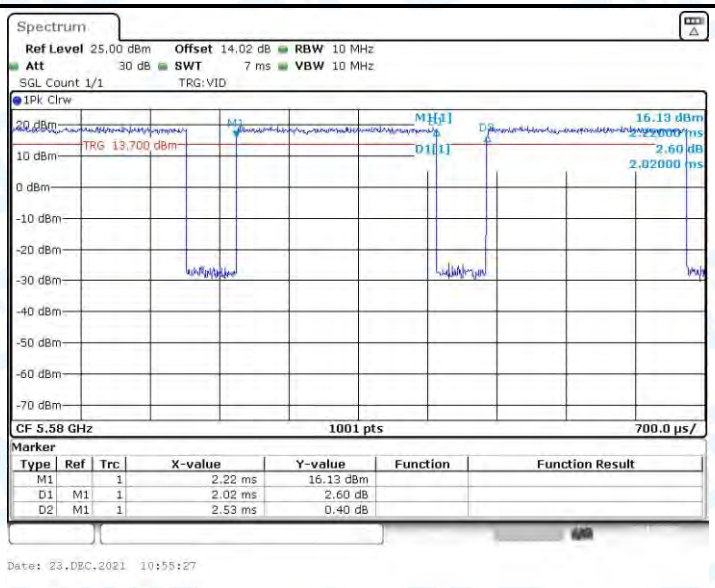
11A-CDD_Ant1_5500



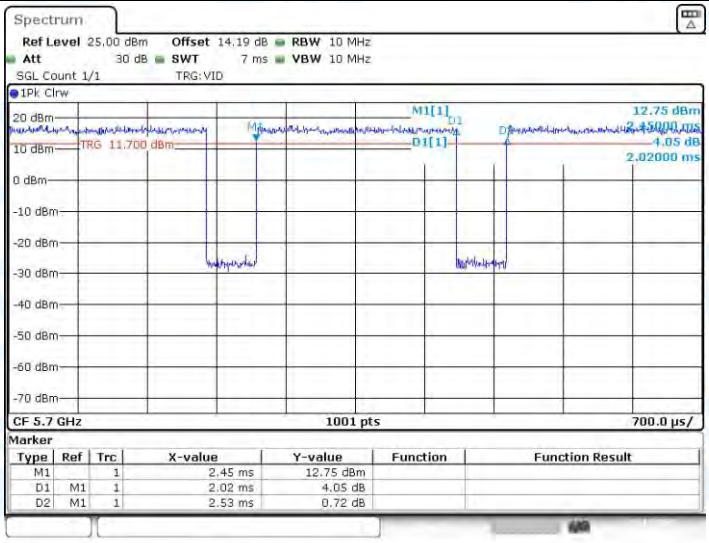
11A-CDD_Ant2_5500



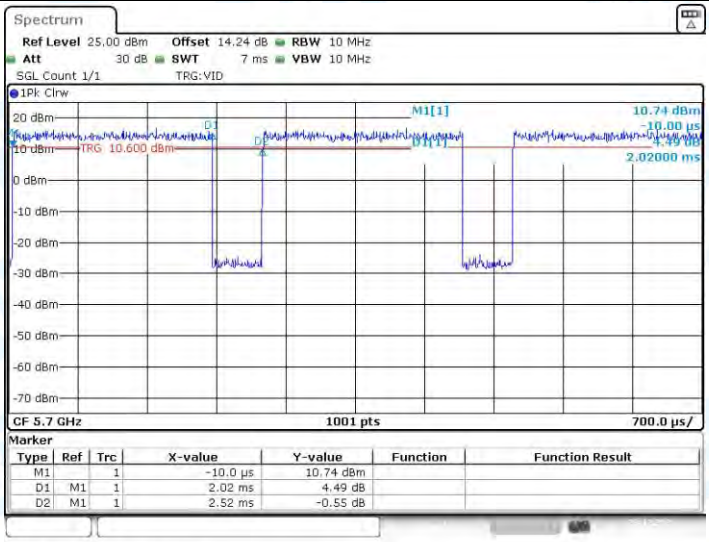
11A-CDD_Ant1_5580



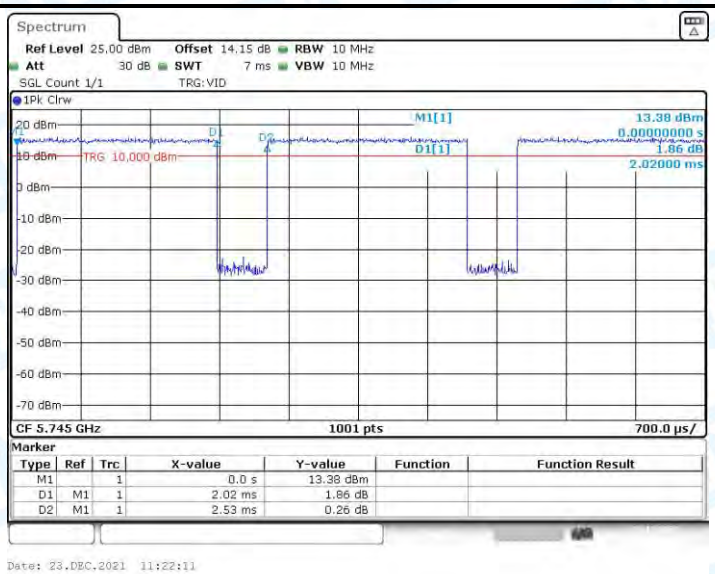
11A-CDD_Ant2_5580



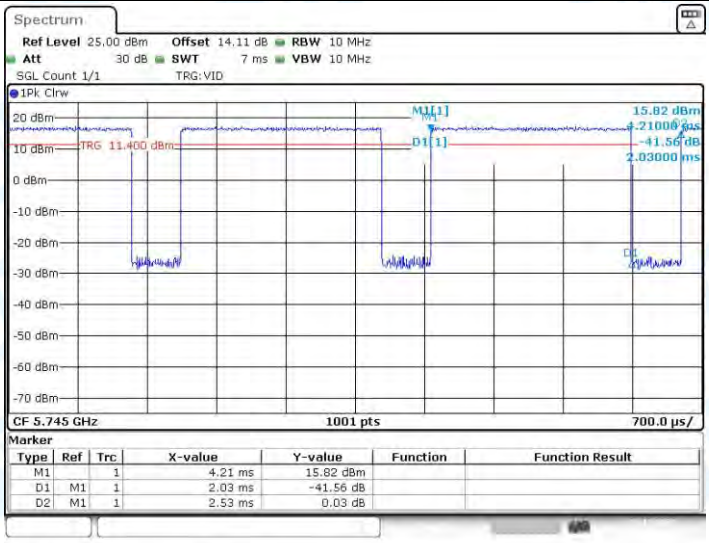
11A-CDD_Ant1_5700



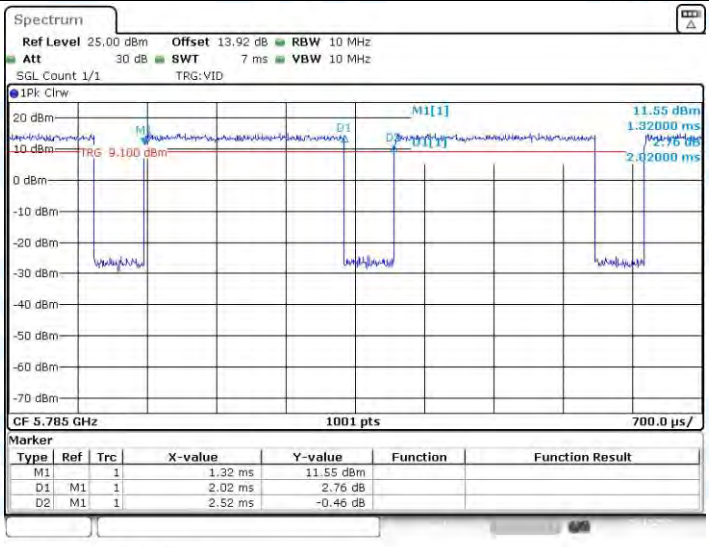
11A-CDD_Ant2_5700



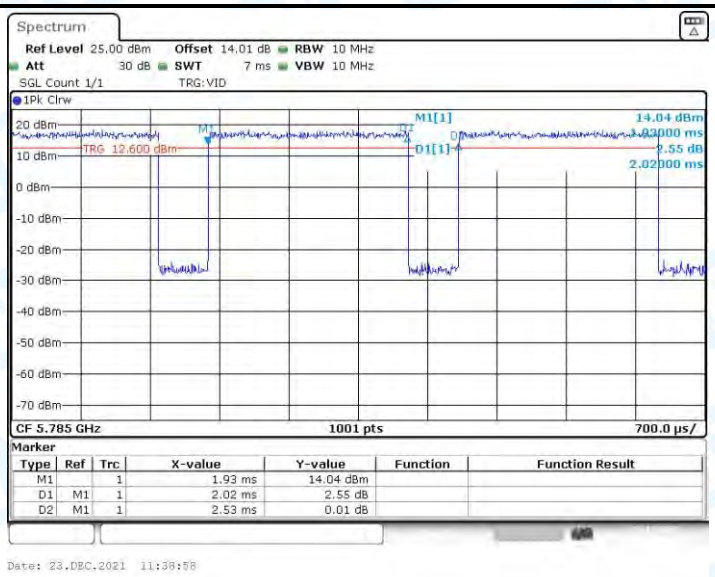
11A-CDD_Ant1_5745



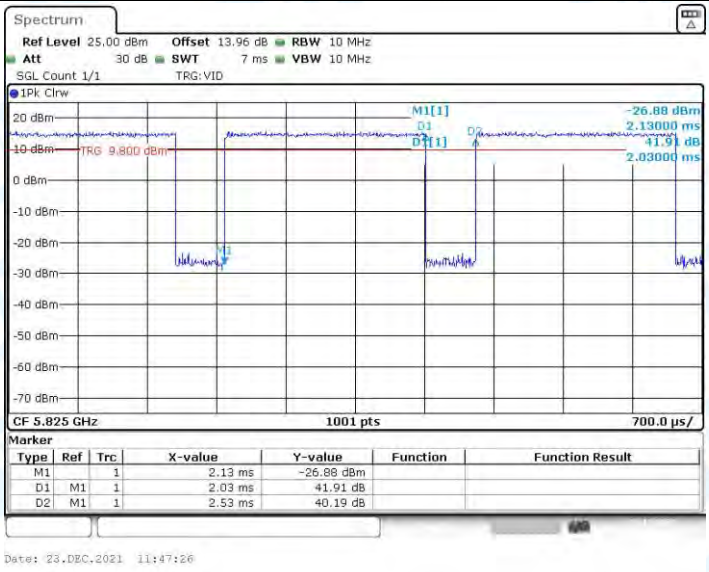
11A-CDD_Ant2_5745



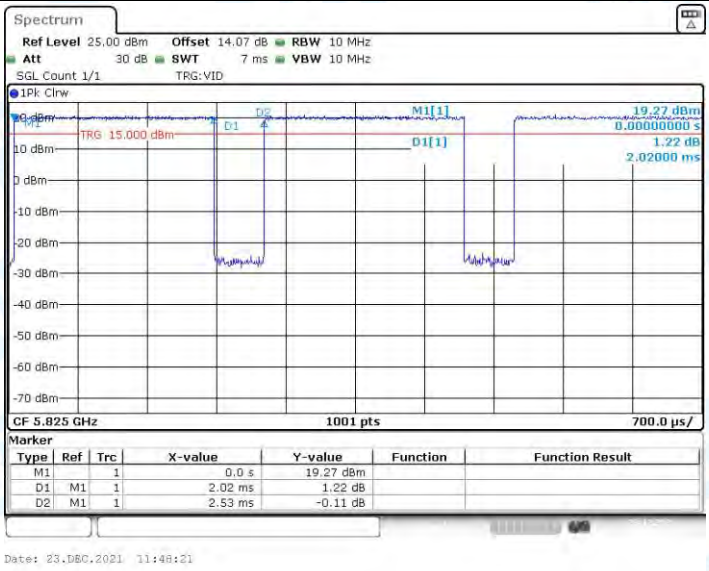
11A-CDD_Ant1_5785



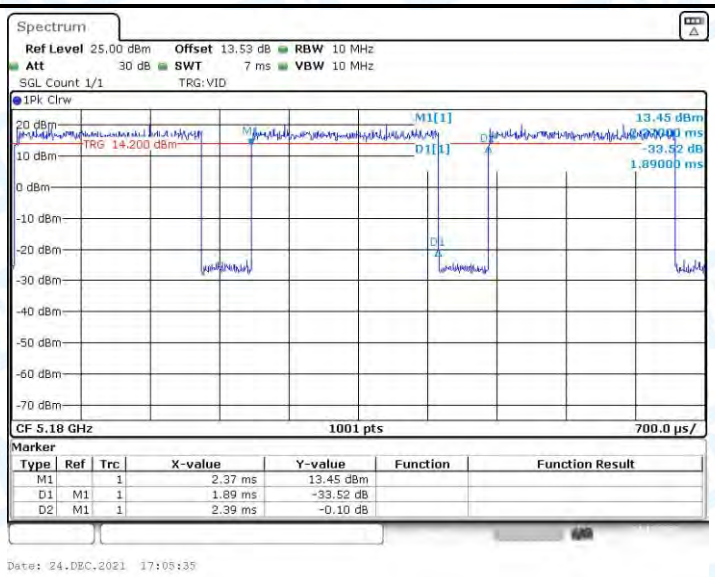
11A-CDD_Ant2_5785



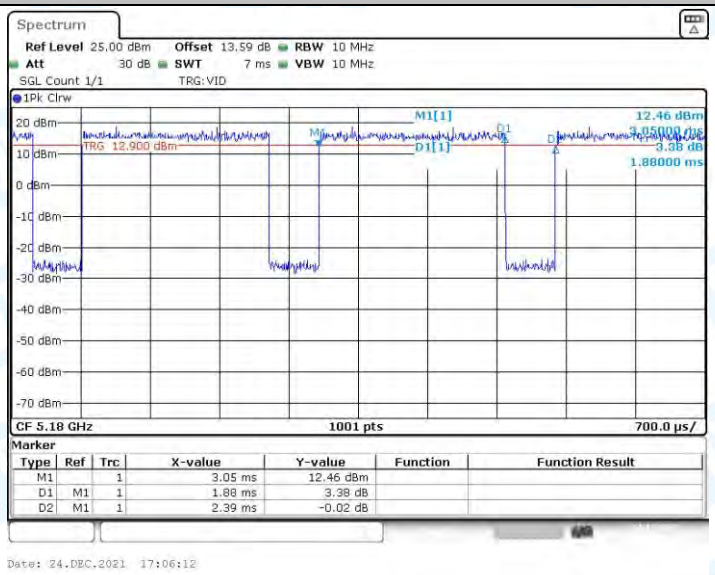
11A-CDD_Ant1_5825



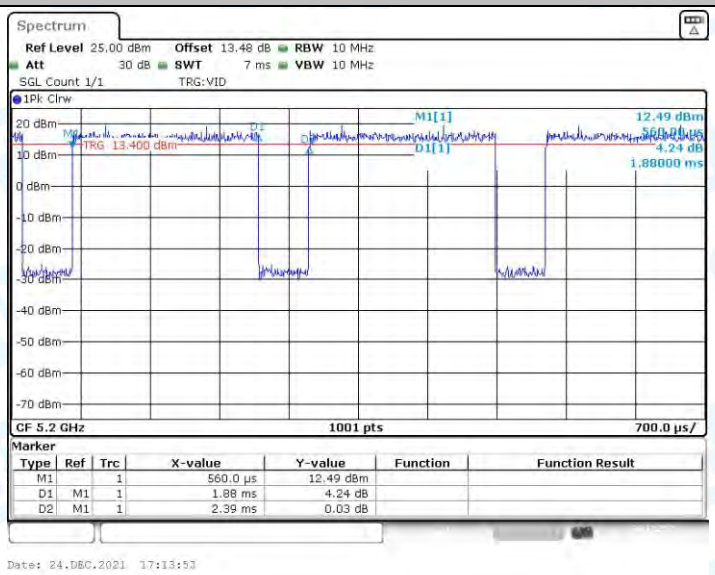
11A-CDD_Ant2_5825



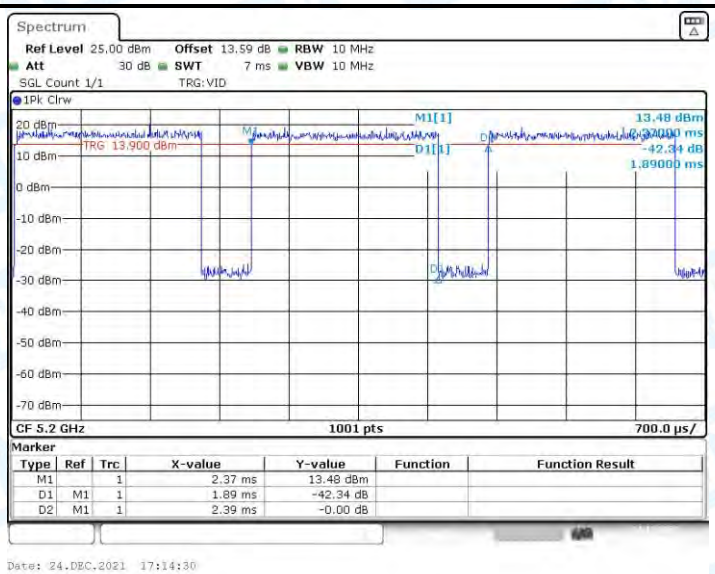
11N20MIMO_Ant1_5180



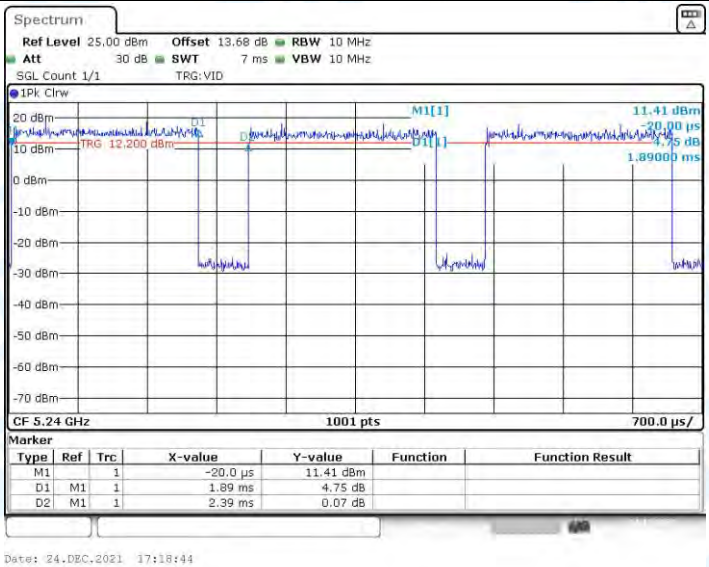
11N20MIMO_Ant2_5180



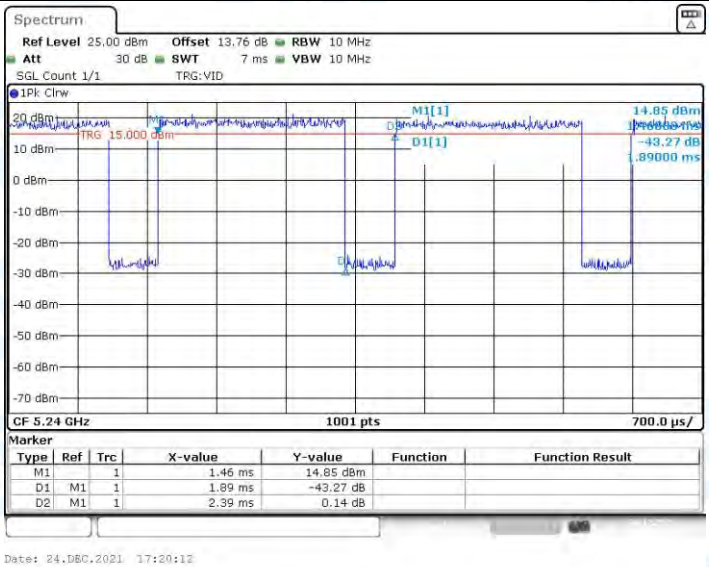
11N20MIMO_Ant1_5200



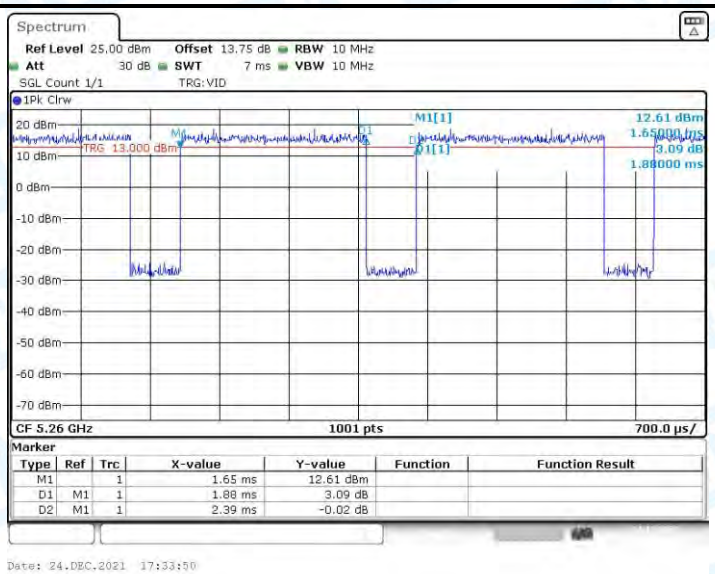
11N20MIMO_Ant2_5200



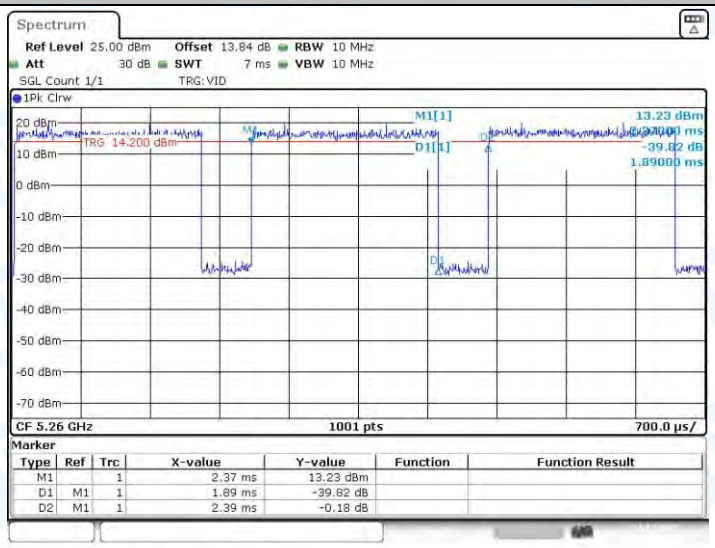
11N20MIMO_Ant1_5240



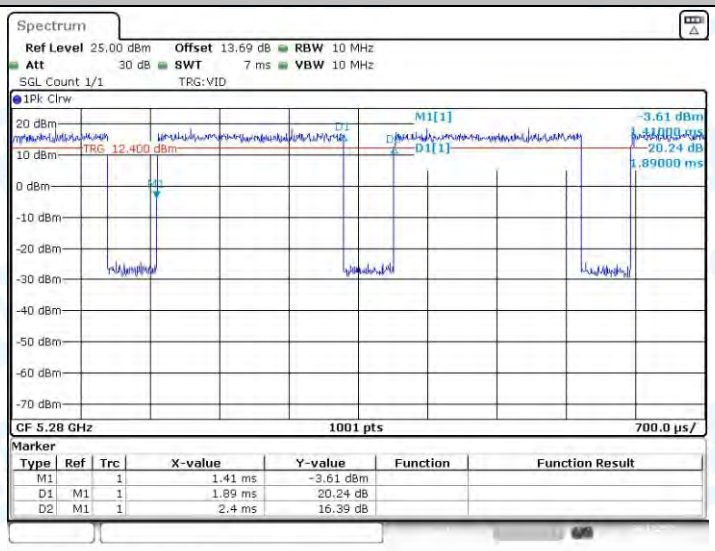
11N20MIMO_Ant2_5240



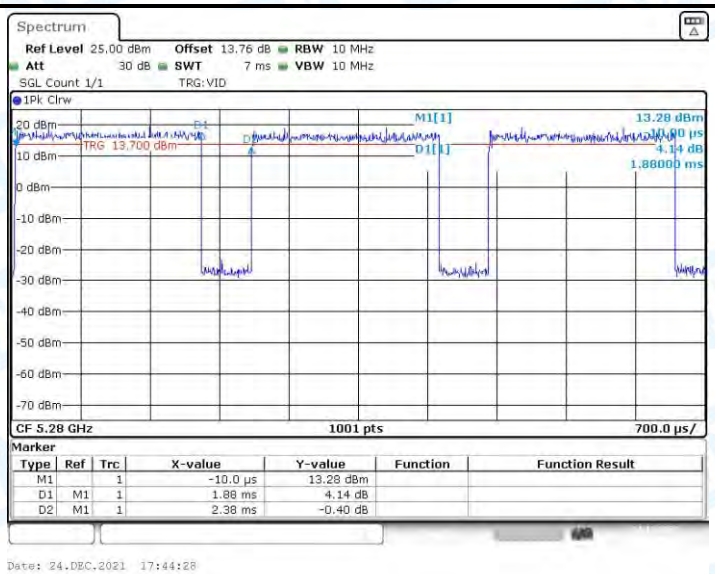
11N20MIMO_Ant1_5260



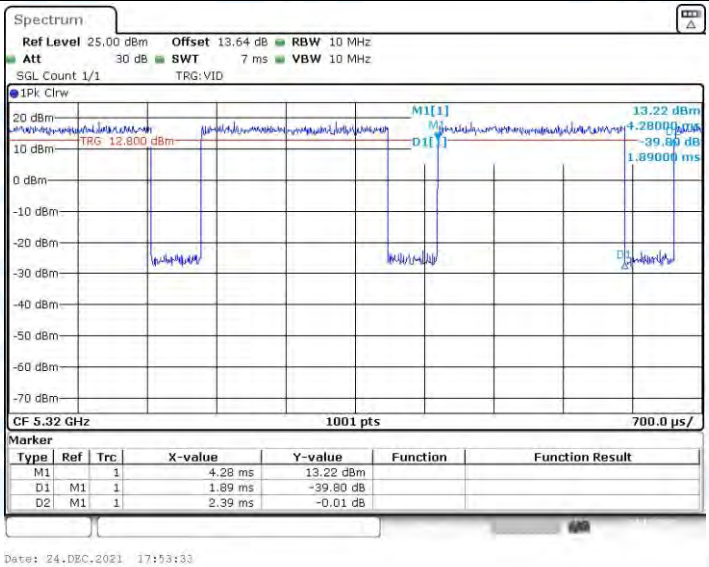
11N20MIMO_Ant2_5260



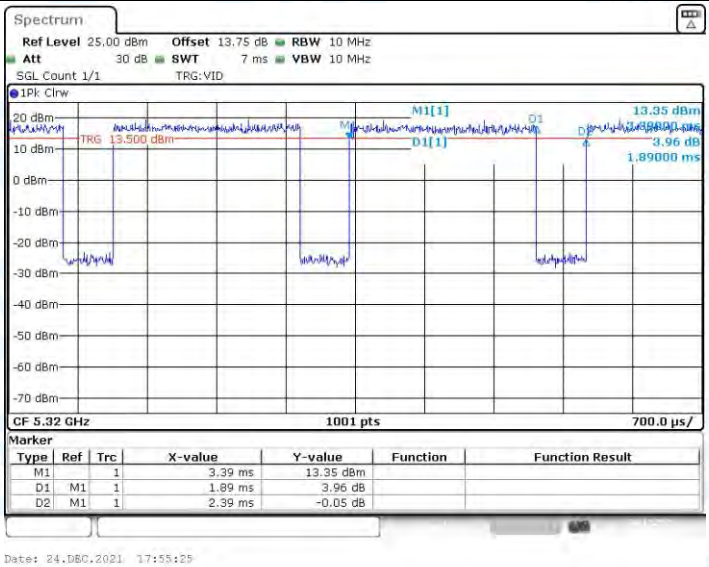
11N20MIMO_Ant1_5280



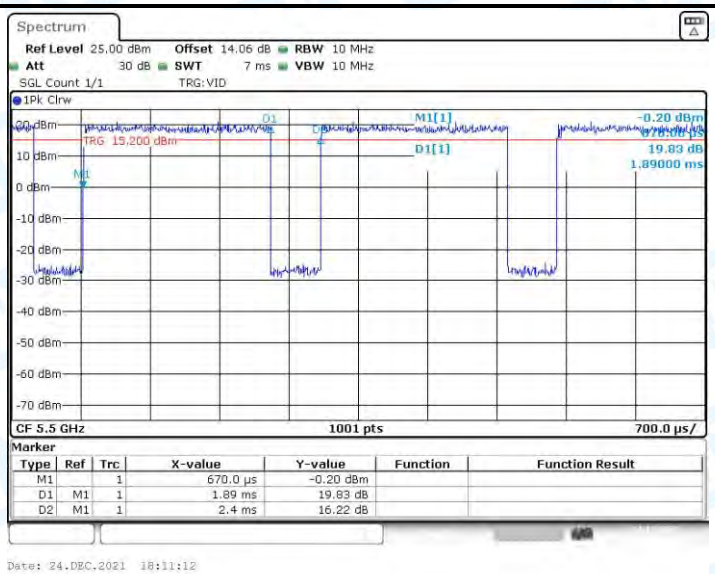
11N20MIMO_Ant2_5280



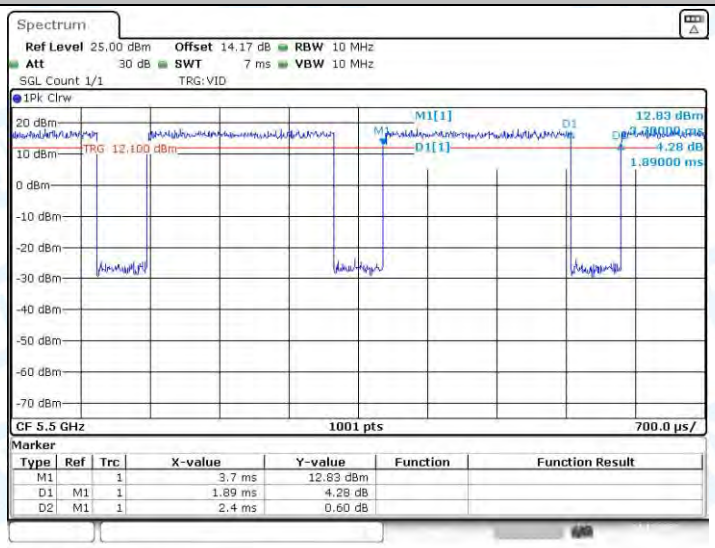
11N20MIMO_Ant1_5320



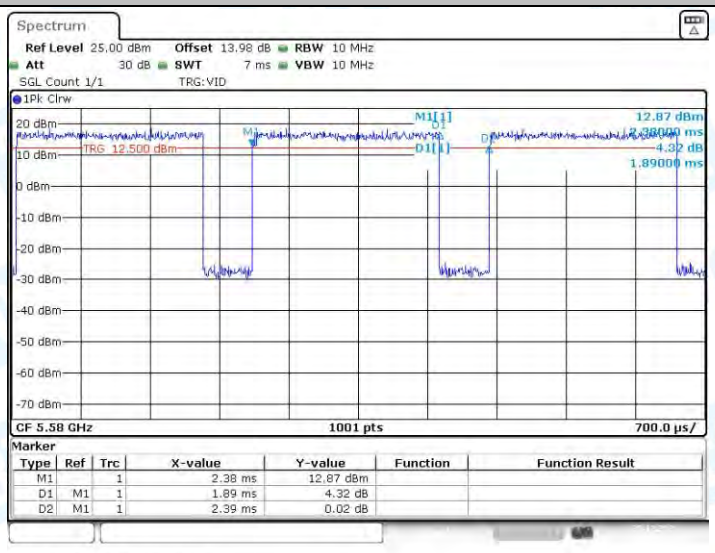
11N20MIMO_Ant2_5320



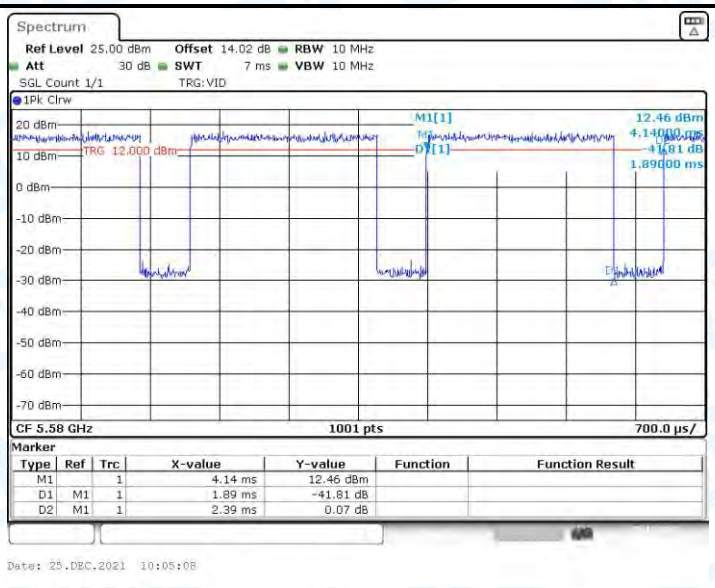
11N20MIMO_Ant1_5500



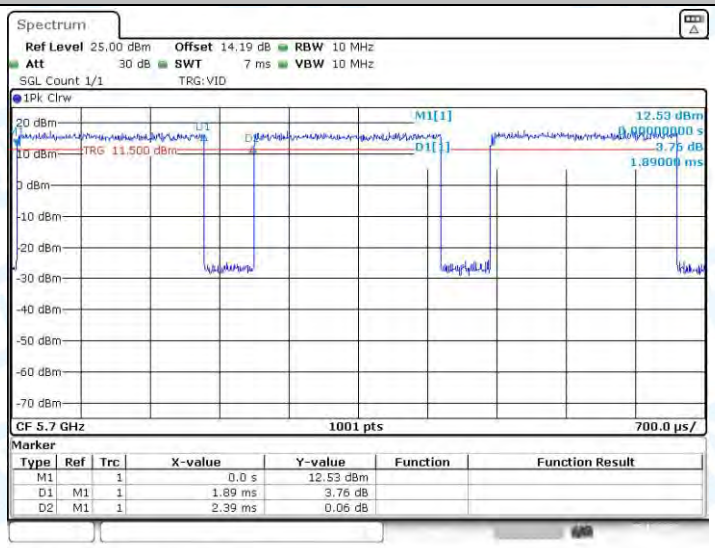
11N20MIMO_Ant2_5500



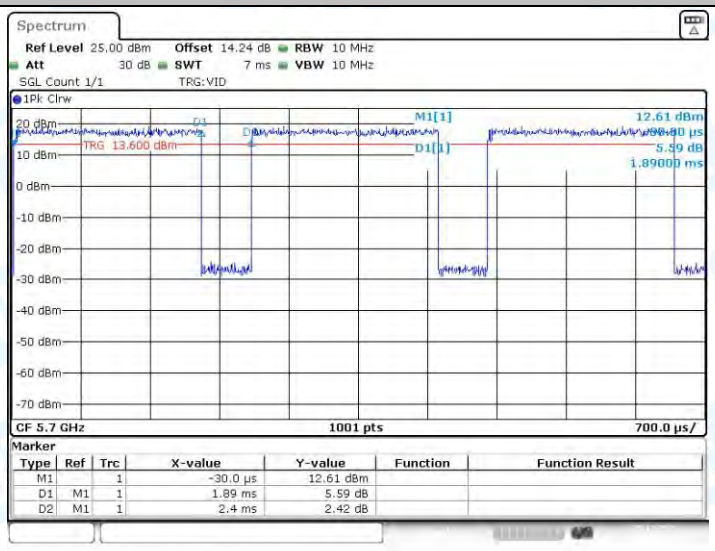
11N20MIMO_Ant1_5580



11N20MIMO_Ant2_5580



11N20MIMO_Ant1_5700



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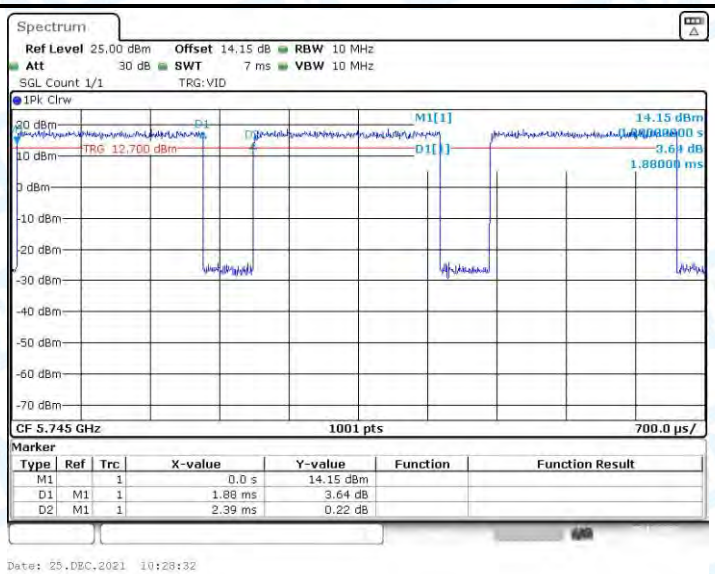
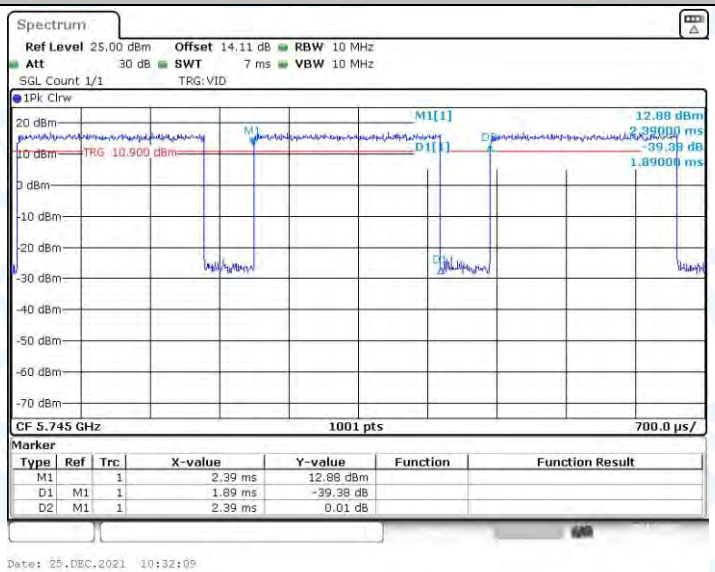
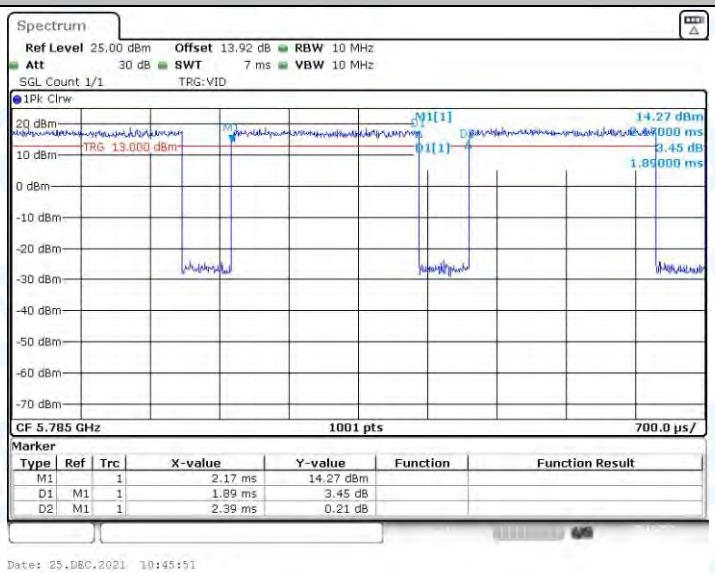


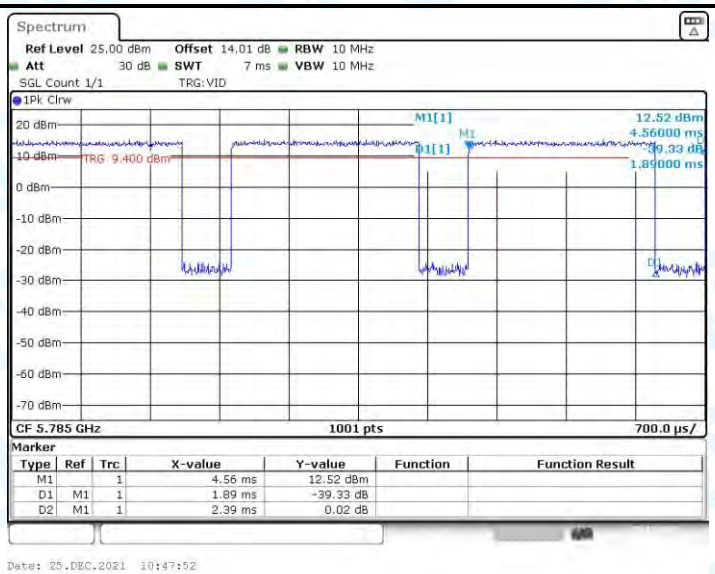
11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



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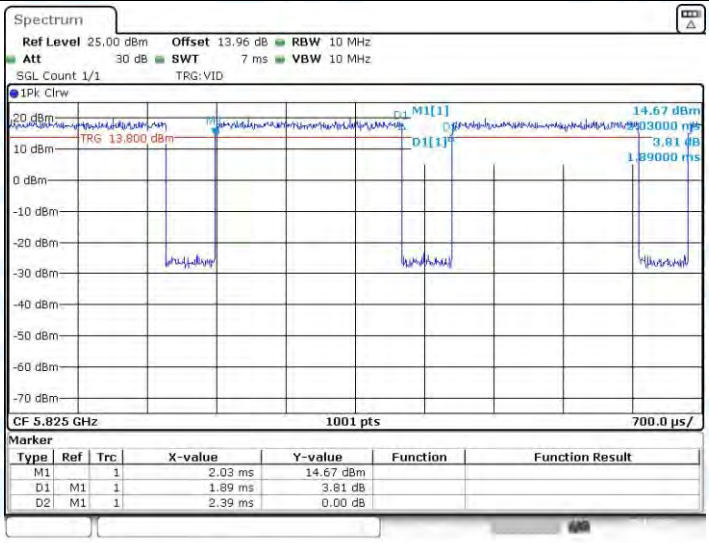

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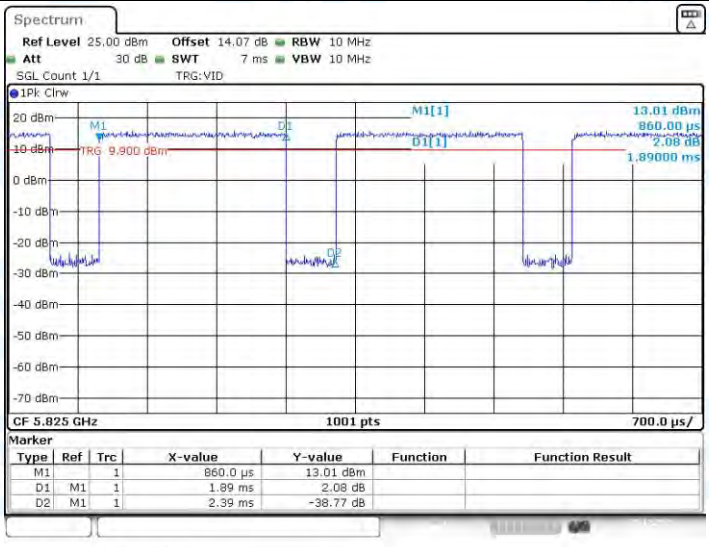

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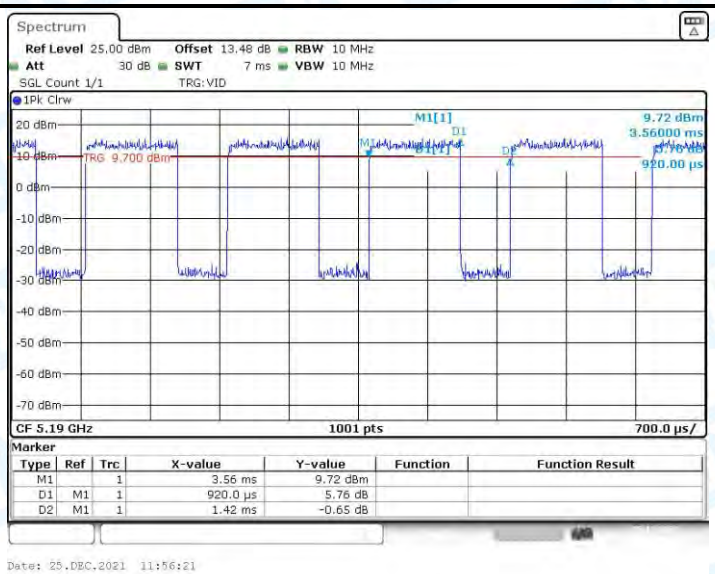
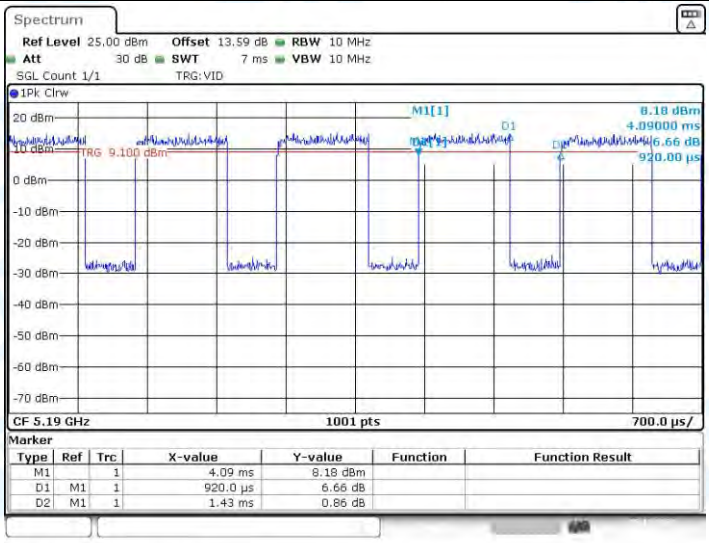


11N40MIMO_Ant1_5190



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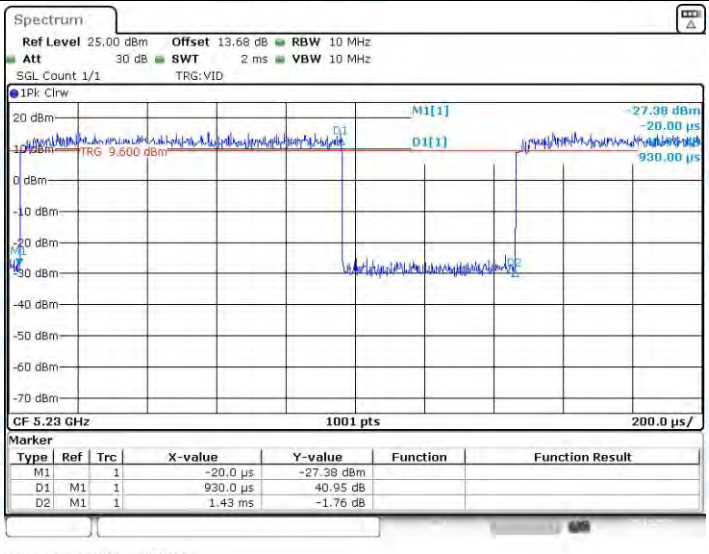

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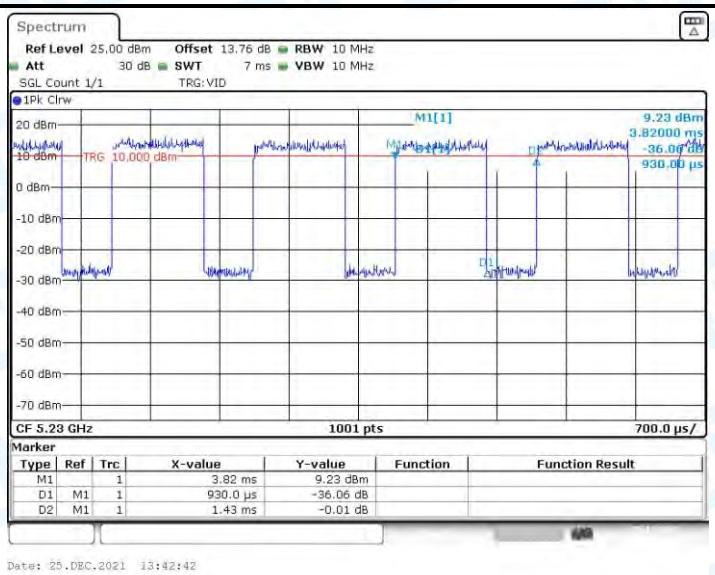

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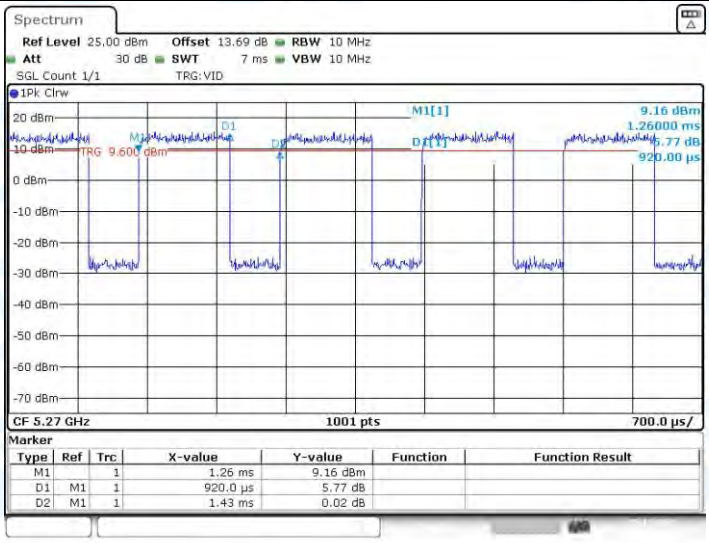

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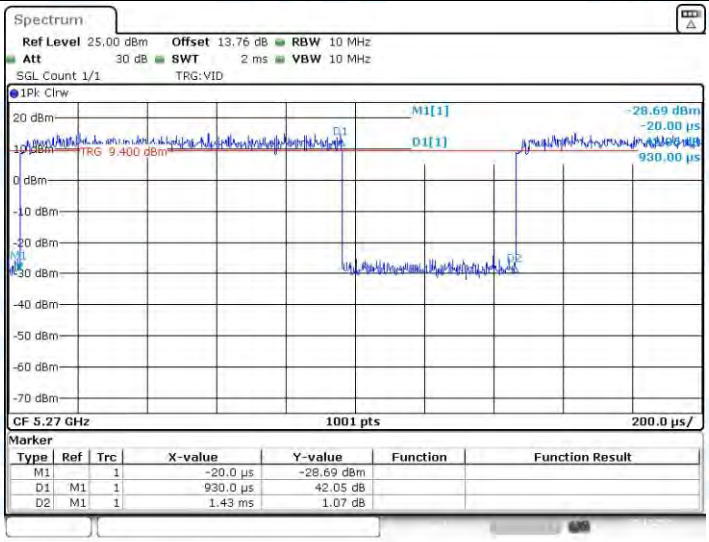

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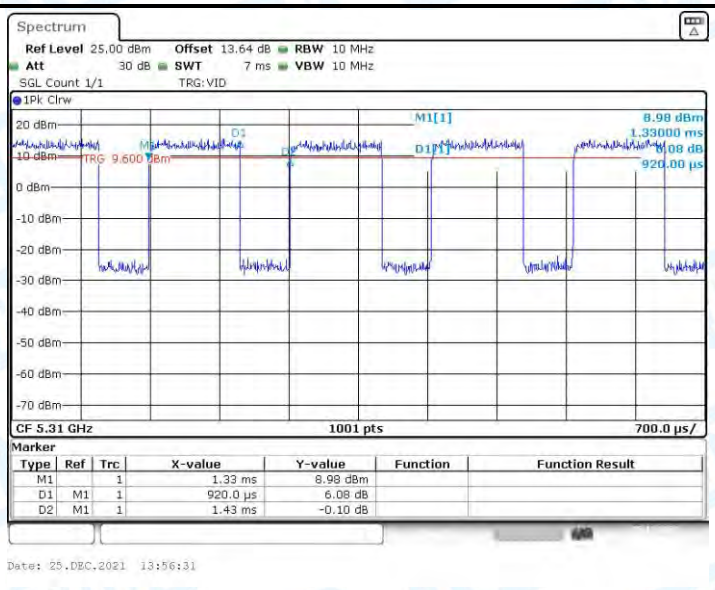

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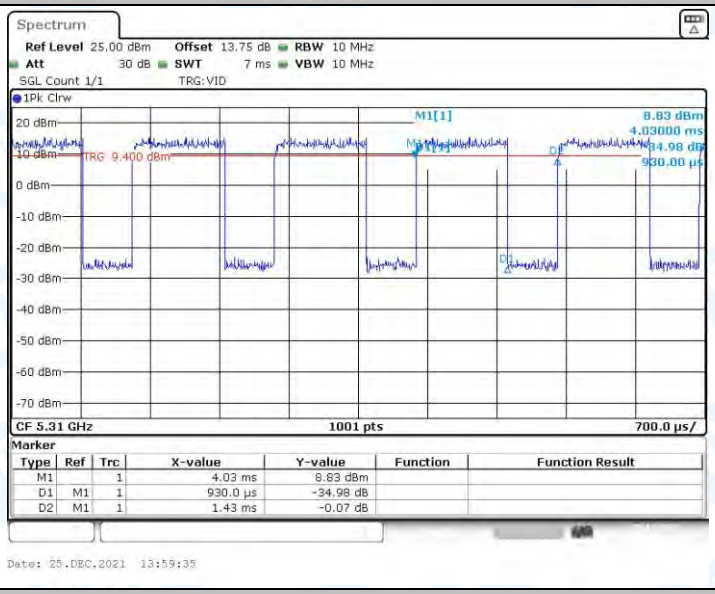

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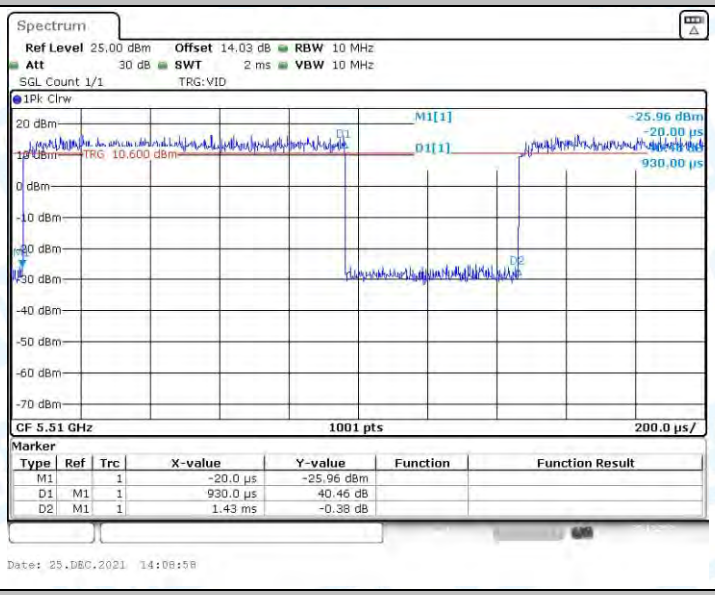

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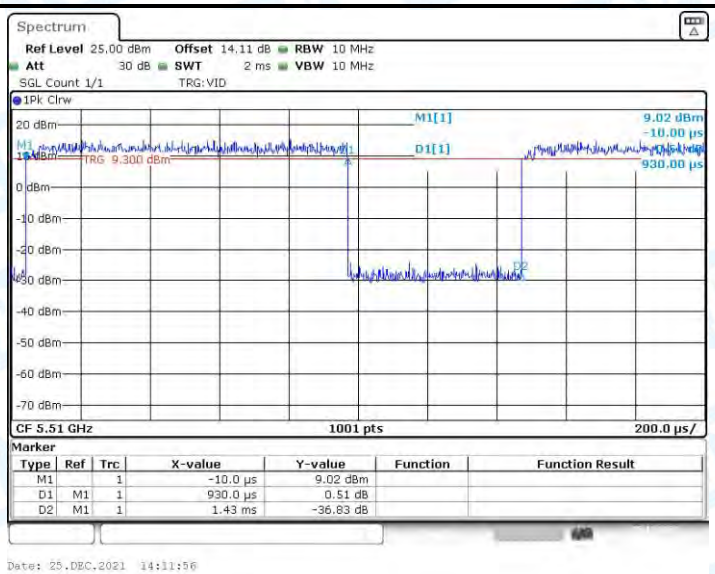

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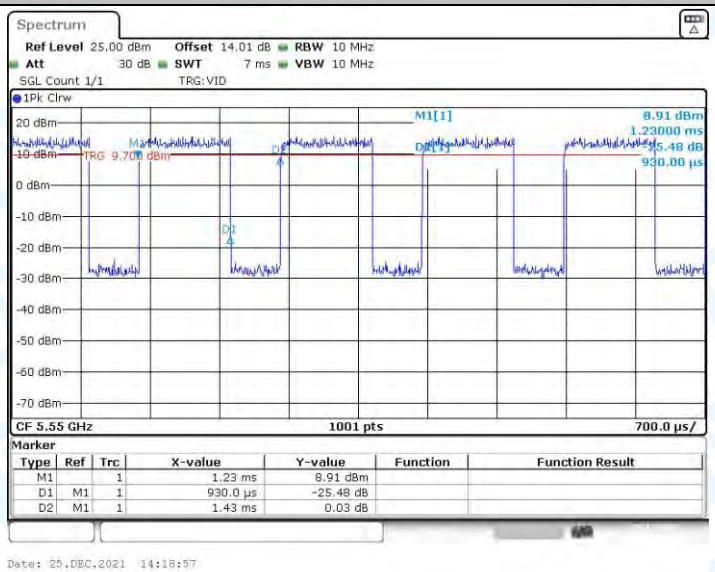

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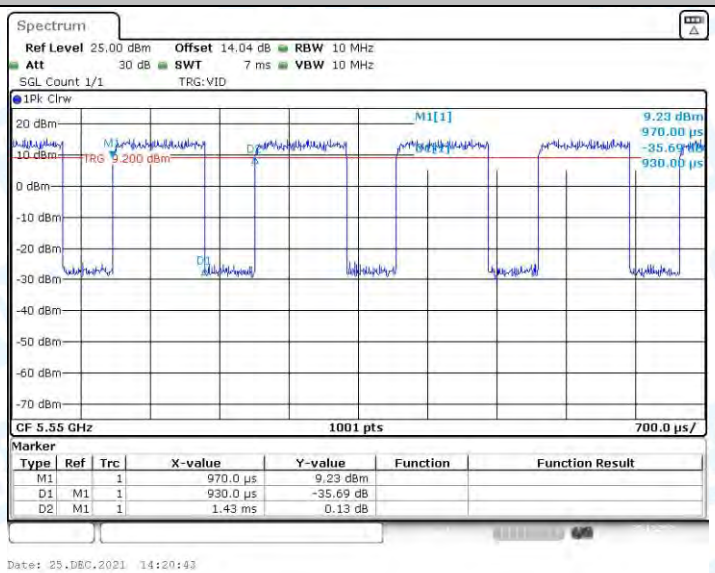

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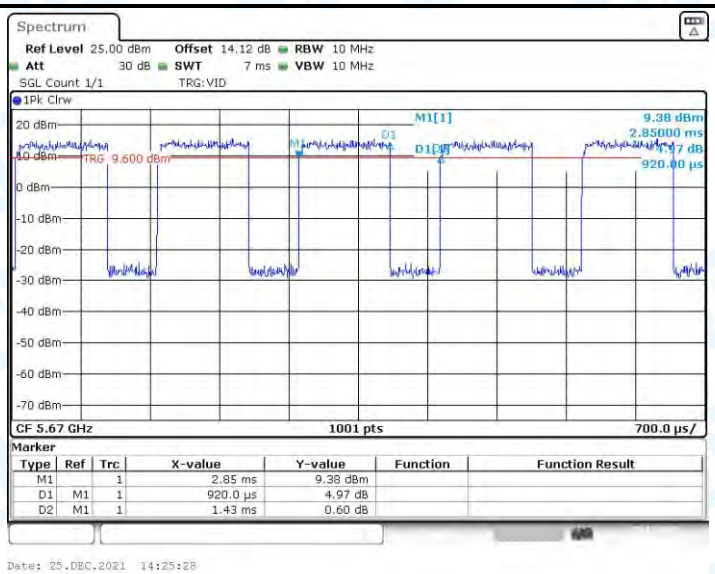
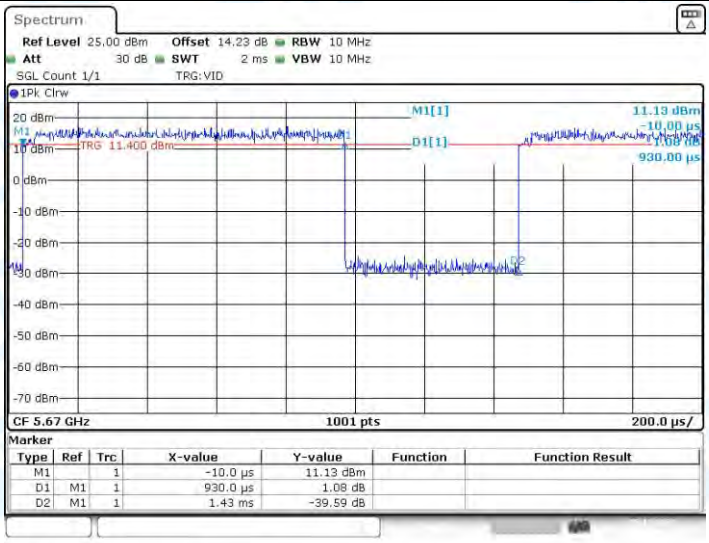


11N40MIMO_Ant1_5670



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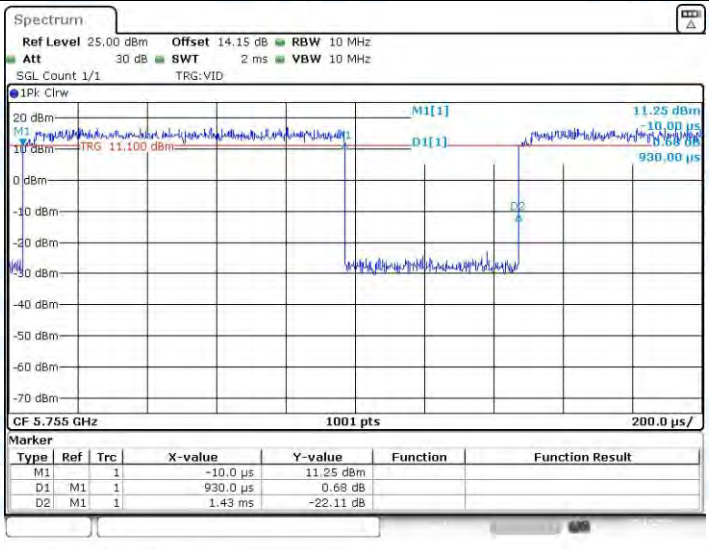

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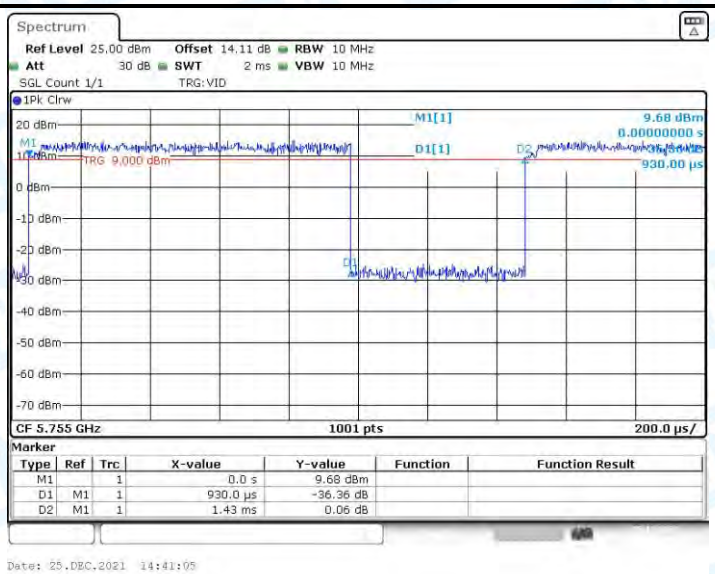
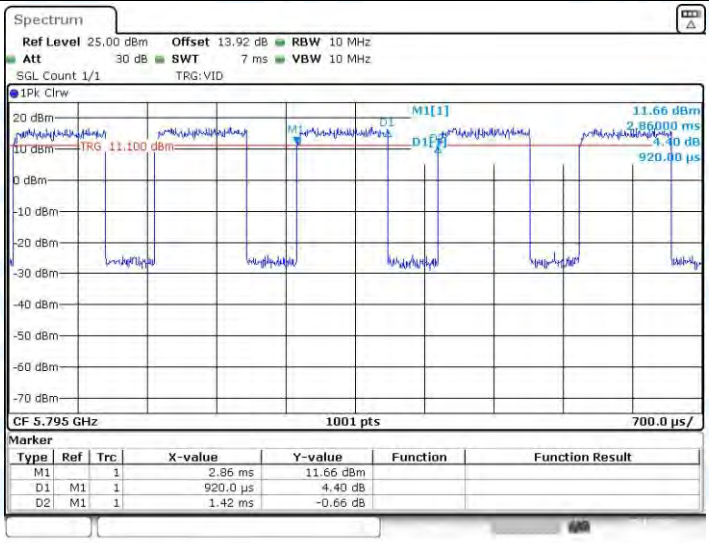


11N40MIMO_Ant2_5755



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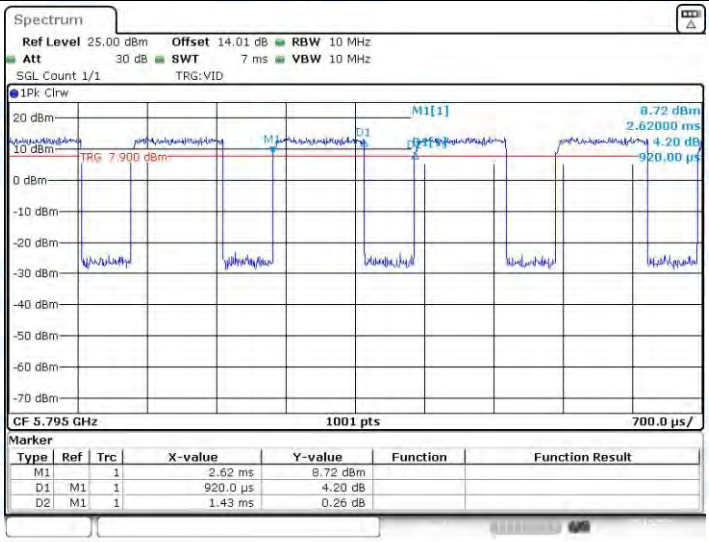

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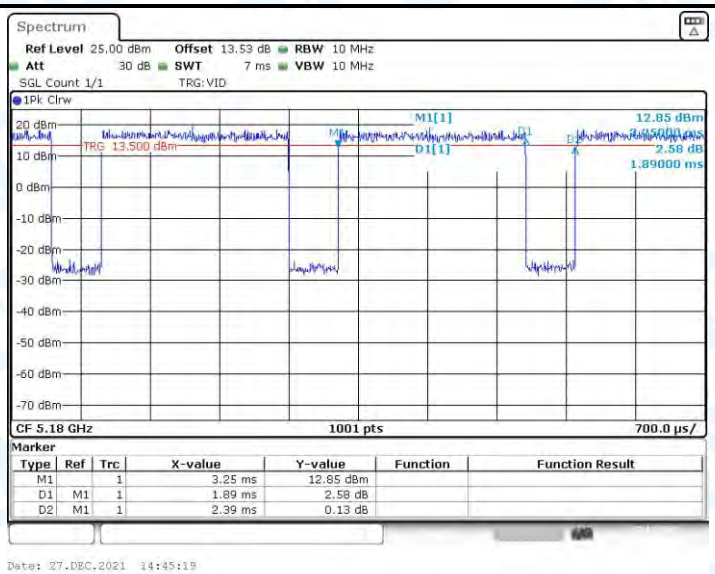

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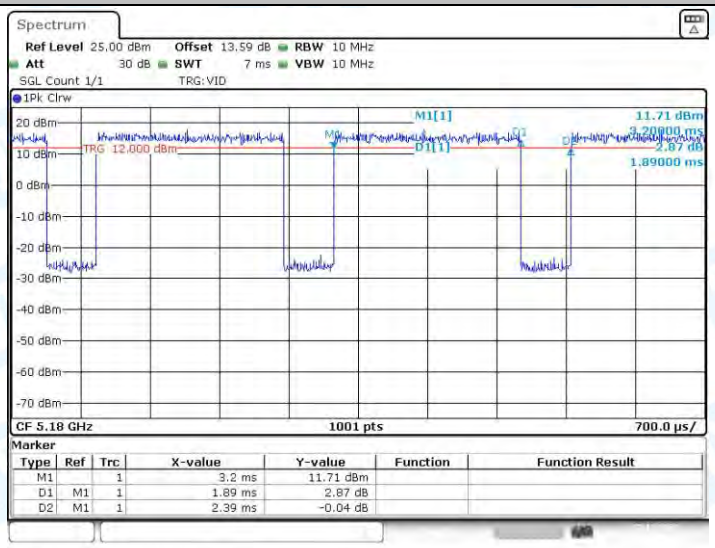

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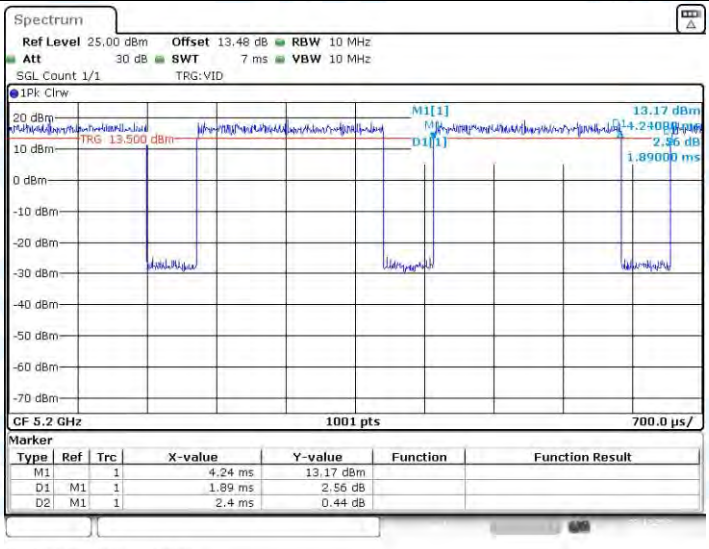

11AC20MIMO_Ant1_5200