



11AC20MIMO\_Ant2\_5745



11AC20MIMO\_Ant1\_5785



11AC20MIMO\_Ant2\_5785



11AC20MIMO\_Ant1\_5825



11AC20MIMO\_Ant2\_5825



11AC40MIMO\_Ant1\_5190



11AC40MIMO\_Ant2\_5190



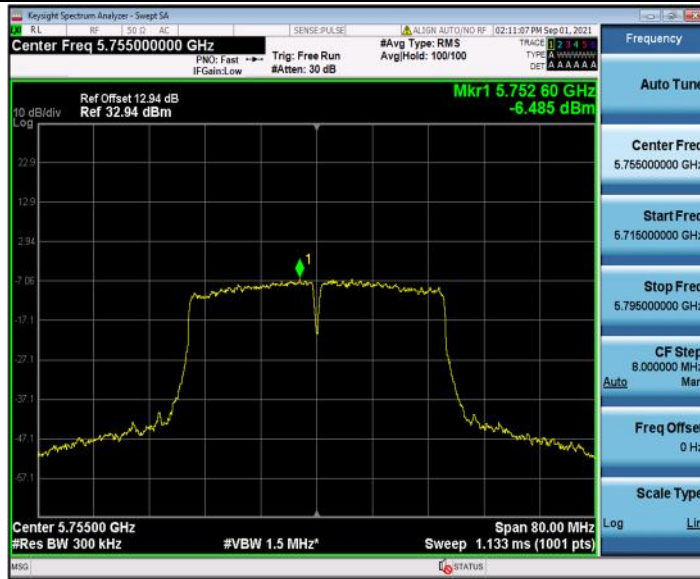
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11AC40MIMO\_Ant2\_5230



11AC40MIMO\_Ant1\_5755



11AC40MIMO\_Ant2\_5755



11AC40MIMO\_Ant1\_5795



11AC40MIMO\_Ant2\_5795



11AC80MIMO\_Ant1\_5210



11AC80MIMO\_Ant2\_5210





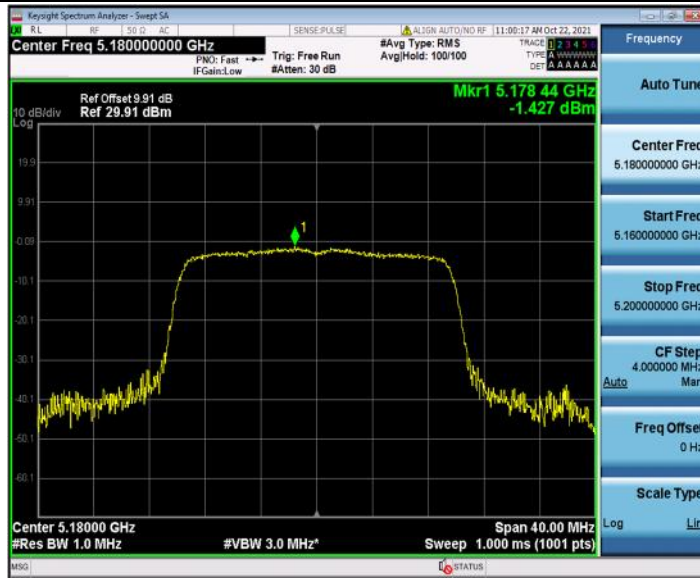
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11AC80MIMO\_Ant2\_5775



11AX20MIMO\_Ant1\_5180



11AX20MIMO\_Ant2\_5180

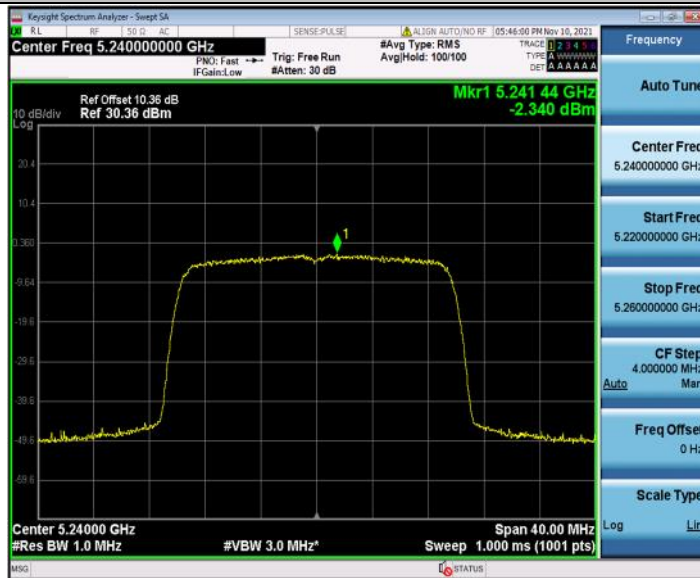


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11AX20MIMO\_Ant2\_5200



11AX20MIMO\_Ant1\_5240



11AX20MIMO\_Ant2\_5240



11AX20MIMO\_Ant1\_5745



11AX20MIMO\_Ant2\_5745



11AX20MIMO\_Ant1\_5785



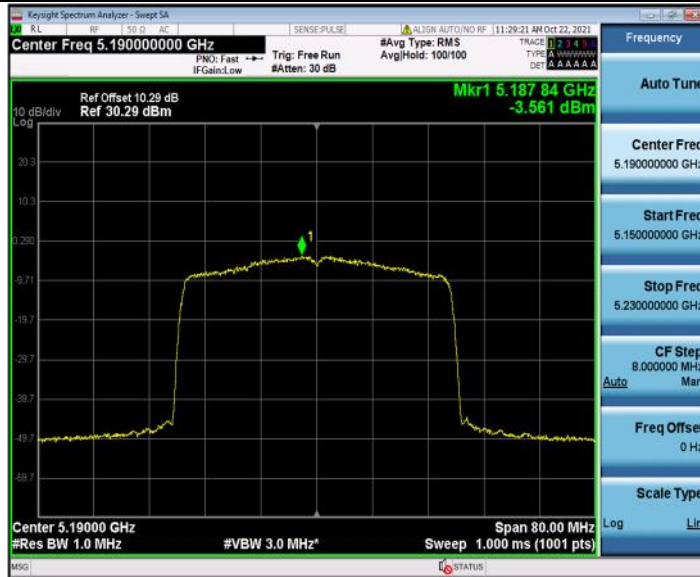
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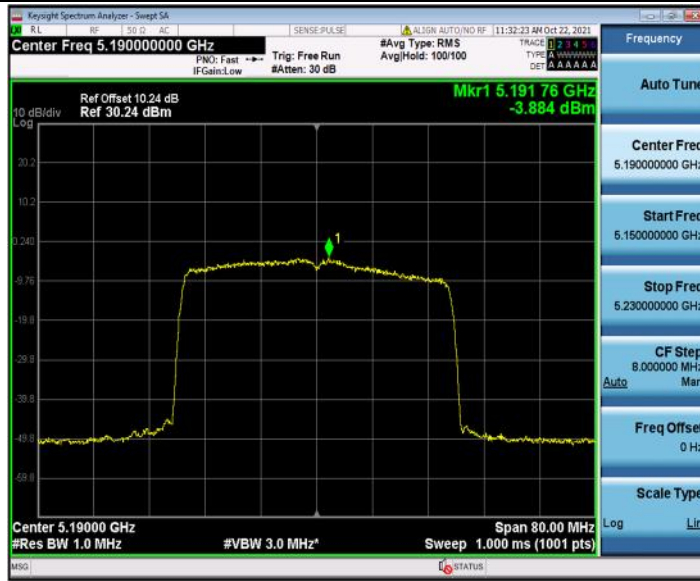
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11AX20MIMO\_Ant2\_5825



11AX40MIMO\_Ant1\_5190



11AX40MIMO\_Ant2\_5190



11AX40MIMO\_Ant1\_5230



11AX40MIMO\_Ant2\_5230



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11AX40MIMO\_Ant2\_5755





11AX40MIMO\_Ant1\_5795



11AX40MIMO\_Ant2\_5795



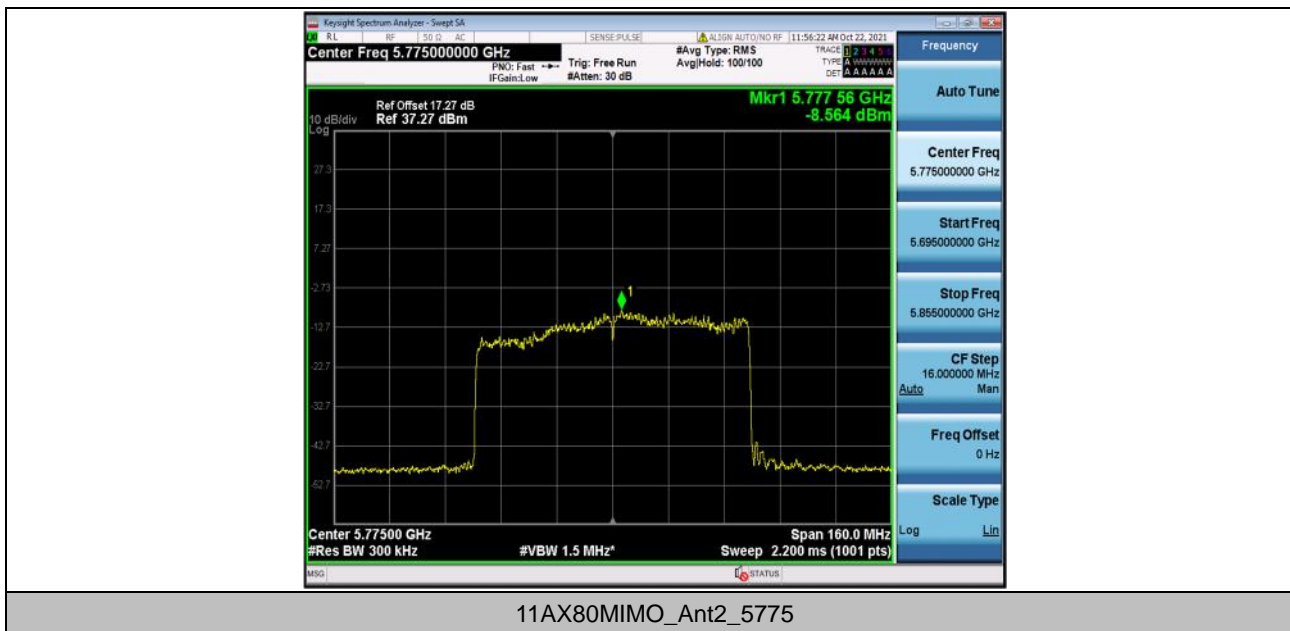
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11AX80MIMO\_Ant2\_5210



11AX80MIMO\_Ant1\_5775



11AX80MIMO\_Ant2\_5775

## Appendix D: Frequency Stability

### Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
11A	Ant1	5180	NV	NT	-38400	-7.413127	within the operating band	PASS
			LV	NT	-36900	-7.123552		PASS
			HV	NT	-37500	-7.239382		PASS
		5240	NV	NT	-37500	-7.156489		PASS
			LV	NT	-38400	-7.328244		PASS
			HV	NT	-41400	-7.900763		PASS
		5745	NV	NT	-43800	-7.624021		PASS
			LV	NT	-47400	-8.250653		PASS
			HV	NT	-47100	-8.198433		PASS
		5825	NV	NT	-41100	-7.055794		PASS
			LV	NT	-40800	-7.004292		PASS
			HV	NT	-40200	-6.901288		PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
11A	Ant1	5180	NV	-30	-38700	-7.471042	within the operating band	PASS
			NV	-20	-39000	-7.528958		PASS
			NV	-10	-38100	-7.355212		PASS
			NV	0	-36900	-7.123552		PASS
			NV	10	-39900	-7.702703		PASS
			NV	20	-37200	-7.181467		PASS
			NV	30	-36300	-7.007722		PASS
			NV	40	-36000	-6.949807		PASS
			NV	50	-36600	-7.065637		PASS
		5240	NV	-30	-38700	-7.385496		PASS
			NV	-20	-38100	-7.270992		PASS
			NV	-10	-39300	-7.5		PASS
			NV	0	-38700	-7.385496		PASS
			NV	10	-40800	-7.78626		PASS
			NV	20	-39300	-7.5		PASS
			NV	30	-40800	-7.78626		PASS
			NV	40	-39600	-7.557252		PASS
			NV	50	-42600	-8.129771		PASS
		5745	NV	-30	-47400	-8.250653		PASS
			NV	-20	-48600	-8.45953		PASS

			NV	-10	-45900	-7.989556		PASS
			NV	0	-45900	-7.989556		PASS
			NV	10	-48000	-8.355091		PASS
			NV	20	-44400	-7.72846		PASS
			NV	30	-45000	-7.832898		PASS
			NV	40	-42900	-7.467363		PASS
			NV	50	-42600	-7.415144		PASS
		5825	NV	-30	-45000	-7.725322		PASS
			NV	-20	-46500	-7.982833		PASS
			NV	-10	-42600	-7.313305		PASS
			NV	0	-42600	-7.313305		PASS
			NV	10	-42900	-7.364807		PASS
			NV	20	-43500	-7.467811		PASS
			NV	30	-46200	-7.93133		PASS
			NV	40	-45900	-7.879828		PASS
			NV	50	-43500	-7.467811		PASS

## Appendix E: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.45	95.86	---	PASS
	Ant2	5180	1.40	1.46	95.89	---	PASS
	Ant1	5200	1.39	1.45	95.86	---	PASS
	Ant2	5200	1.40	1.46	95.89	---	PASS
	Ant1	5240	1.40	1.46	95.89	---	PASS
	Ant2	5240	1.40	1.46	95.89	---	PASS
	Ant1	5745	1.40	1.45	96.55	---	PASS
	Ant2	5745	1.39	1.45	95.86	---	PASS
	Ant1	5785	1.40	1.46	95.89	---	PASS
	Ant2	5785	1.39	1.45	95.86	---	PASS
	Ant1	5825	1.39	1.45	95.86	---	PASS
	Ant2	5825	1.40	1.46	95.89	---	PASS
11N20SISO	Ant1	5180	1.31	1.36	96.32	---	PASS
	Ant2	5180	1.30	1.36	95.59	---	PASS
	Ant1	5200	1.30	1.36	95.59	---	PASS
	Ant2	5200	1.31	1.37	95.62	---	PASS
	Ant1	5240	1.30	1.36	95.59	---	PASS
	Ant2	5240	1.30	1.36	95.59	---	PASS
	Ant1	5745	1.31	1.37	95.62	---	PASS
	Ant2	5745	1.31	1.37	95.62	---	PASS
	Ant1	5785	1.31	1.37	95.62	---	PASS
	Ant2	5785	1.30	1.36	95.59	---	PASS
	Ant1	5825	1.30	1.36	95.59	---	PASS
	Ant2	5825	1.30	1.36	95.59	---	PASS
11N40SISO	Ant1	5190	0.65	0.71	91.55	---	PASS
	Ant2	5190	0.64	0.70	91.43	---	PASS
	Ant1	5230	0.64	0.70	91.43	---	PASS
	Ant2	5230	0.63	0.69	91.30	---	PASS
	Ant1	5755	0.65	0.71	91.55	---	PASS
	Ant2	5755	0.63	0.69	91.30	---	PASS
	Ant1	5795	0.65	0.71	91.55	---	PASS
	Ant2	5795	0.63	0.69	91.30	---	PASS
11AC20SISO	Ant1	5180	0.68	0.74	91.89	---	PASS
	Ant2	5180	0.68	0.74	91.89	---	PASS
	Ant1	5200	0.68	0.74	91.89	---	PASS
	Ant2	5200	0.68	0.74	91.89	---	PASS
	Ant1	5240	0.68	0.74	91.89	---	PASS

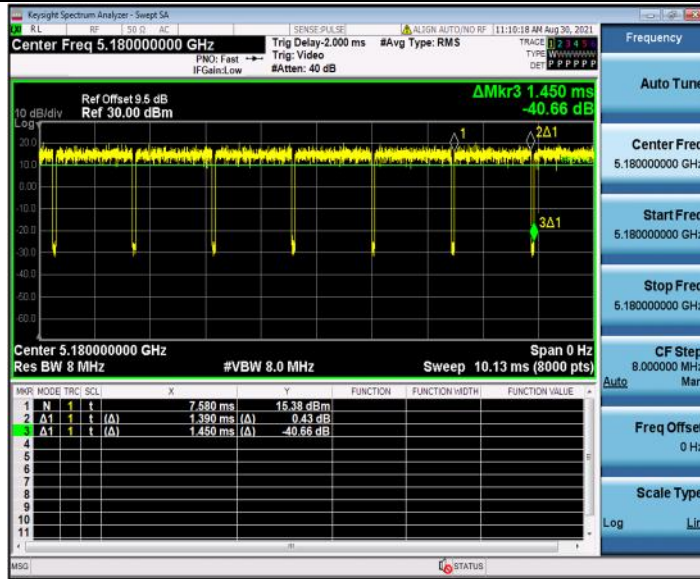


	Ant2	5240	0.68	0.74	91.89	---	PASS
	Ant1	5745	0.68	0.74	91.89	---	PASS
	Ant2	5745	0.69	0.74	93.24	---	PASS
	Ant1	5785	0.68	0.74	91.89	---	PASS
	Ant2	5785	0.68	0.74	91.89	---	PASS
	Ant1	5825	0.68	0.74	91.89	---	PASS
	Ant2	5825	0.68	0.74	91.89	---	PASS
11AC40SISO	Ant1	5190	0.35	0.41	85.37	---	PASS
	Ant2	5190	0.35	0.40	87.50	---	PASS
	Ant1	5230	0.35	0.41	85.37	---	PASS
	Ant2	5230	0.35	0.41	85.37	---	PASS
	Ant1	5755	0.35	0.40	87.50	---	PASS
	Ant2	5755	0.35	0.41	85.37	---	PASS
	Ant1	5795	0.35	0.41	85.37	---	PASS
Ant2	5795	0.35	0.41	85.37	---	PASS	
11AC80SISO	Ant1	5210	0.19	0.55	34.55	---	PASS
	Ant2	5210	0.19	0.56	33.93	---	PASS
	Ant1	5775	0.18	0.57	31.58	---	PASS
	Ant2	5775	0.19	0.55	34.55	---	PASS
11AX20SISO	Ant1	5180	0.54	0.60	90.00	---	PASS
	Ant2	5180	0.54	0.60	90.00	---	PASS
	Ant1	5200	0.54	0.60	90.00	---	PASS
	Ant2	5200	0.55	0.60	91.67	---	PASS
	Ant1	5240	0.54	0.59	91.53	---	PASS
	Ant2	5240	0.54	0.60	90.00	---	PASS
	Ant1	5745	0.54	0.60	90.00	---	PASS
	Ant2	5745	0.54	0.60	90.00	---	PASS
	Ant1	5785	0.54	0.60	90.00	---	PASS
	Ant2	5785	0.54	0.60	90.00	---	PASS
	Ant1	5825	0.54	0.60	90.00	---	PASS
Ant2	5825	0.54	0.60	90.00	---	PASS	
11AX40SISO	Ant1	5190	0.30	0.36	83.33	---	PASS
	Ant2	5190	0.30	0.36	83.33	---	PASS
	Ant1	5230	0.31	0.36	86.11	---	PASS
	Ant2	5230	0.30	0.36	83.33	---	PASS
	Ant1	5755	0.30	0.36	83.33	---	PASS
	Ant2	5755	0.30	0.36	83.33	---	PASS
	Ant1	5795	0.30	0.36	83.33	---	PASS
	Ant2	5795	0.30	0.36	83.33	---	PASS
11AX80SISO	Ant1	5210	0.18	0.52	34.62	---	PASS
	Ant2	5210	0.18	0.54	33.33	---	PASS
	Ant1	5775	0.17	0.52	32.69	---	PASS
	Ant2	5775	0.17	0.54	31.48	---	PASS

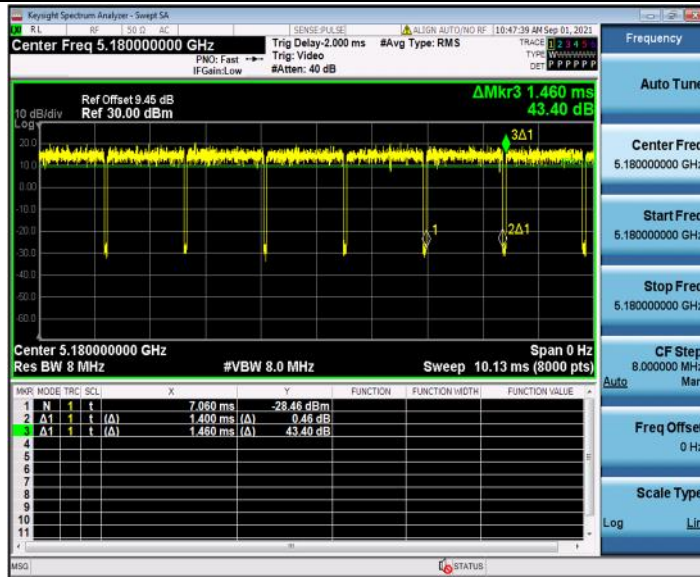
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	Ant2	5180	0.68	0.74	91.89	---	PASS
	Ant1	5200	0.67	0.73	91.78	---	PASS
	Ant2	5200	0.68	0.74	91.89	---	PASS
	Ant1	5240	0.67	0.73	91.78	---	PASS
	Ant2	5240	0.68	0.73	93.15	---	PASS
	Ant1	5745	0.67	0.73	91.78	---	PASS
	Ant2	5745	0.68	0.73	93.15	---	PASS
	Ant1	5785	0.68	0.74	91.89	---	PASS
	Ant2	5785	0.67	0.73	91.78	---	PASS
	Ant1	5825	0.67	0.73	91.78	---	PASS
	Ant2	5825	0.68	0.73	93.15	---	PASS
11N40MIMO	Ant1	5190	0.34	0.40	85.00	---	PASS
	Ant2	5190	0.34	0.40	85.00	---	PASS
	Ant1	5230	0.34	0.40	85.00	---	PASS
	Ant2	5230	0.34	0.40	85.00	---	PASS
	Ant1	5755	0.33	0.39	84.62	---	PASS
	Ant2	5755	0.34	0.40	85.00	---	PASS
	Ant1	5795	0.33	0.39	84.62	---	PASS
	Ant2	5795	0.34	0.40	85.00	---	PASS
11AC20MIMO	Ant1	5180	0.69	0.74	93.24	---	PASS
	Ant2	5180	0.68	0.74	91.89	---	PASS
	Ant1	5200	0.68	0.74	91.89	---	PASS
	Ant2	5200	0.68	0.74	91.89	---	PASS
	Ant1	5240	0.68	0.74	91.89	---	PASS
	Ant2	5240	0.68	0.74	91.89	---	PASS
	Ant1	5745	0.68	0.74	91.89	---	PASS
	Ant2	5745	0.68	0.74	91.89	---	PASS
	Ant1	5785	0.68	0.74	91.89	---	PASS
	Ant2	5785	0.68	1.05	64.76	---	PASS
	Ant1	5825	0.68	0.74	91.89	---	PASS
	Ant2	5825	0.68	0.74	91.89	---	PASS
11AC40MIMO	Ant1	5190	0.35	0.41	85.37	---	PASS
	Ant2	5190	0.35	0.41	85.37	---	PASS
	Ant1	5230	0.35	0.41	85.37	---	PASS
	Ant2	5230	0.35	0.41	85.37	---	PASS
	Ant1	5755	0.35	0.41	85.37	---	PASS
	Ant2	5755	0.35	0.41	85.37	---	PASS
	Ant1	5795	0.35	0.41	85.37	---	PASS
	Ant2	5795	0.35	0.41	85.37	---	PASS
11AC80MIMO	Ant1	5210	0.19	0.59	32.20	---	PASS
	Ant2	5210	0.18	0.55	32.73	---	PASS
	Ant1	5775	0.19	0.55	34.55	---	PASS

	Ant2	5775	0.19	0.59	32.20	---	PASS
11AX20MIMO	Ant1	5180	0.54	0.60	90.00	---	PASS
	Ant2	5180	0.54	0.60	90.00	---	PASS
	Ant1	5200	0.55	0.60	91.67	---	PASS
	Ant2	5200	0.54	0.60	90.00	---	PASS
	Ant1	5240	0.54	0.60	90.00	---	PASS
	Ant2	5240	0.54	0.60	90.00	---	PASS
	Ant1	5745	0.54	0.60	90.00	---	PASS
	Ant2	5745	0.54	0.60	90.00	---	PASS
	Ant1	5785	0.54	0.60	90.00	---	PASS
	Ant2	5785	0.54	0.60	90.00	---	PASS
	Ant1	5825	0.54	0.60	90.00	---	PASS
	Ant2	5825	0.54	0.60	90.00	---	PASS
11AX40MIMO	Ant1	5190	0.30	0.36	83.33	---	PASS
	Ant2	5190	0.30	0.36	83.33	---	PASS
	Ant1	5230	0.30	0.36	83.33	---	PASS
	Ant2	5230	0.30	0.36	83.33	---	PASS
	Ant1	5755	0.30	0.36	83.33	---	PASS
	Ant2	5755	0.30	0.35	85.71	---	PASS
	Ant1	5795	0.30	0.36	83.33	---	PASS
	Ant2	5795	0.30	0.35	85.71	---	PASS
11AX80MIMO	Ant1	5210	0.17	0.53	32.08	---	PASS
	Ant2	5210	0.18	0.52	34.62	---	PASS
	Ant1	5775	0.17	0.53	32.08	---	PASS
	Ant2	5775	0.17	0.54	31.48	---	PASS

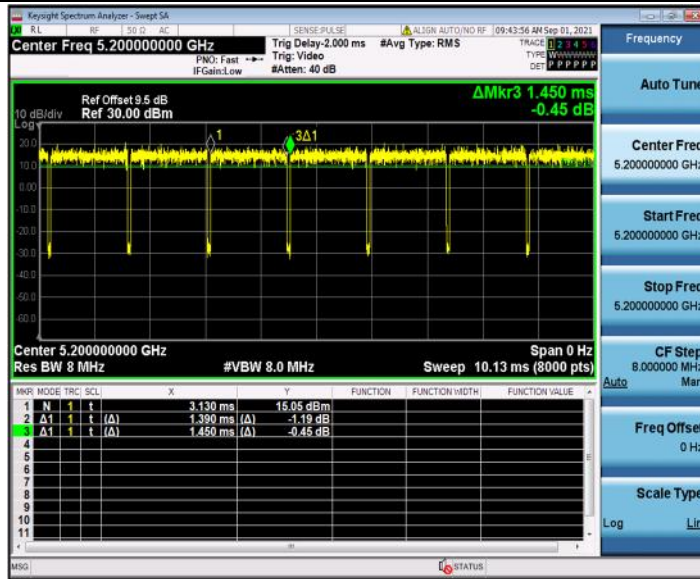
### Test Graphs



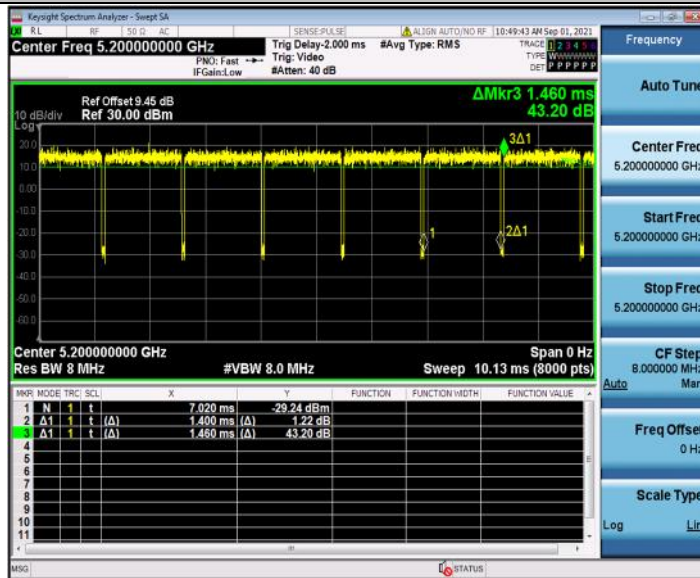
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11A\_Ant2\_5180



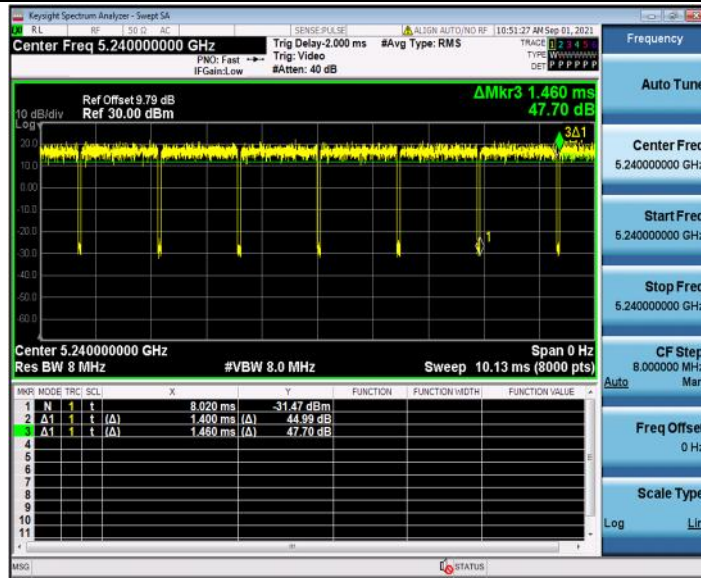
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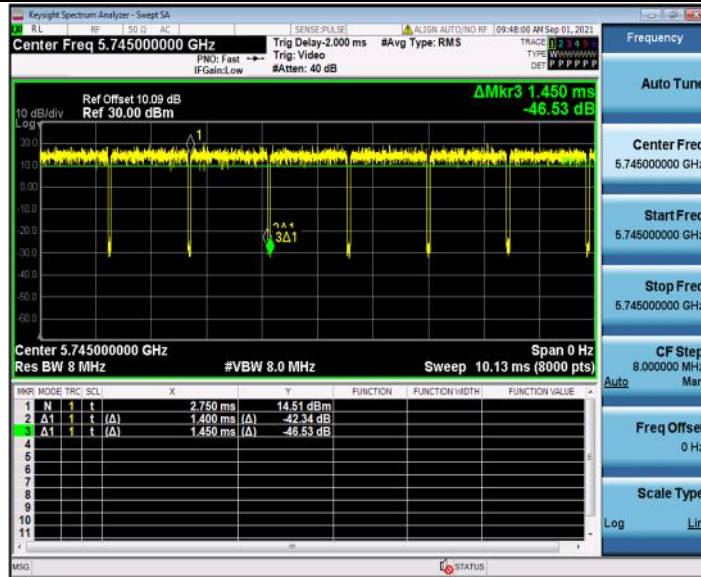
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11A\_Ant1\_5240

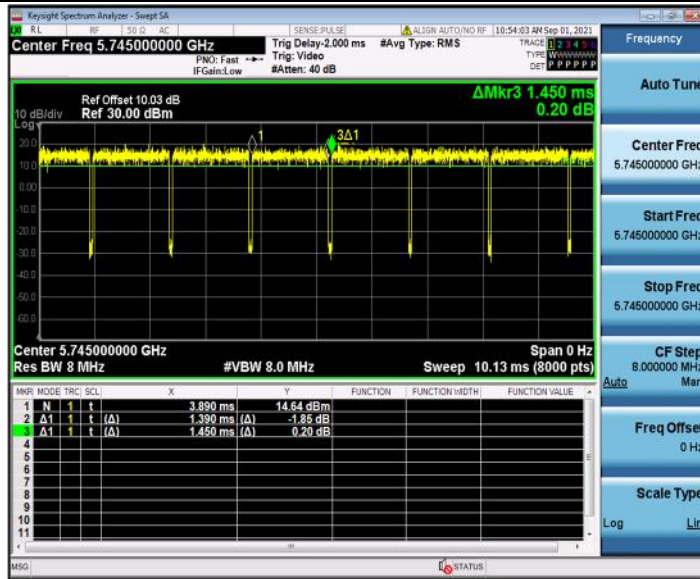


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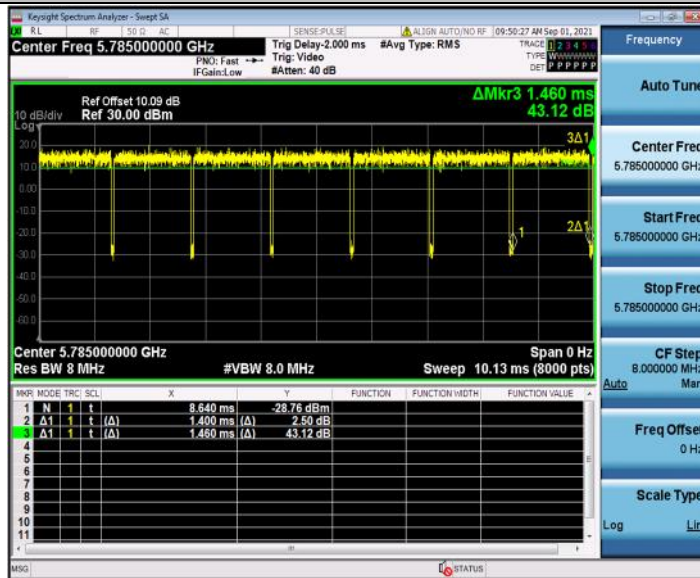


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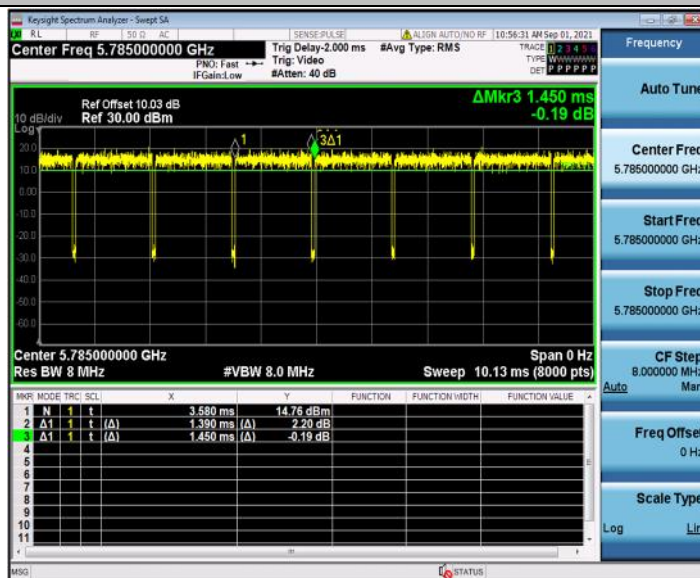




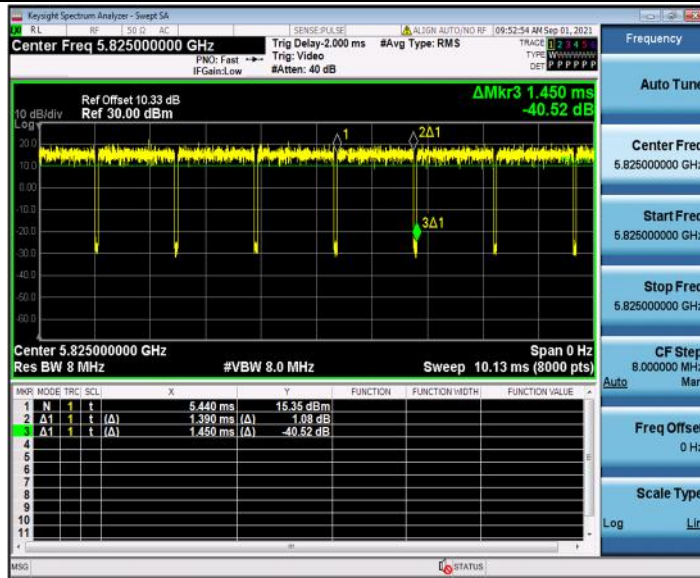
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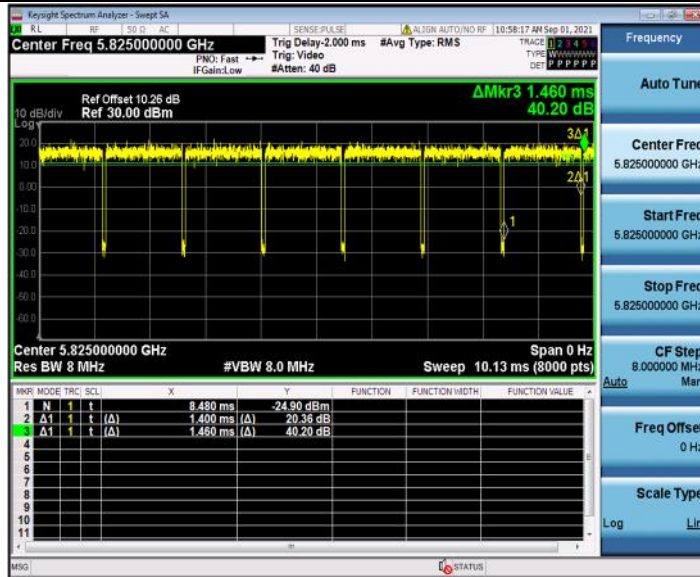
11A\_Ant1\_5785



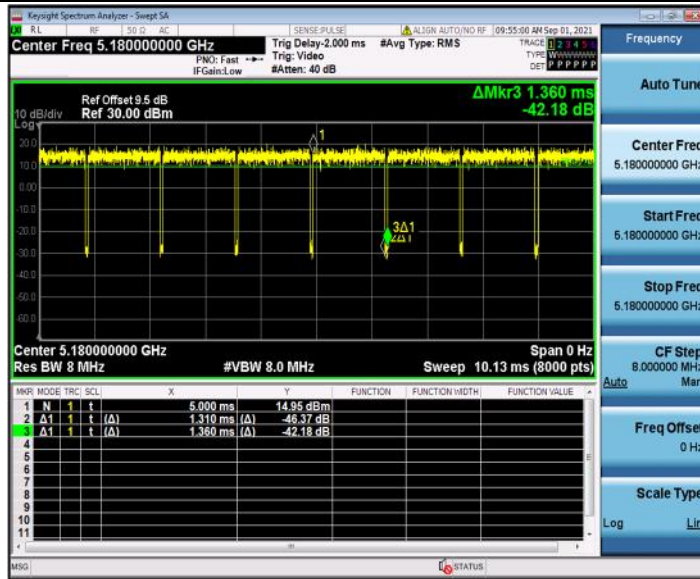
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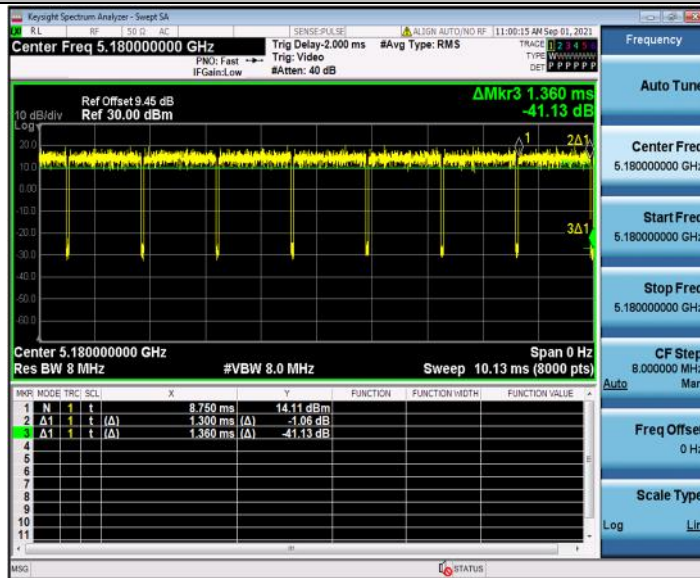
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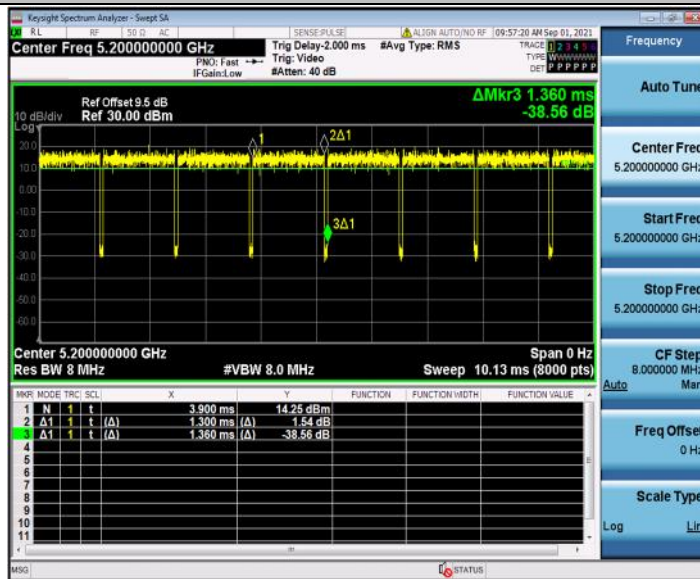
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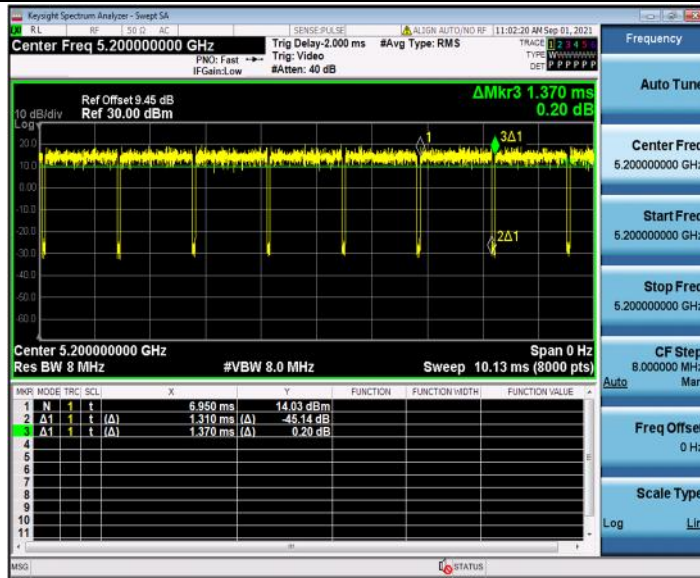
11N20SISO\_Ant1\_5180



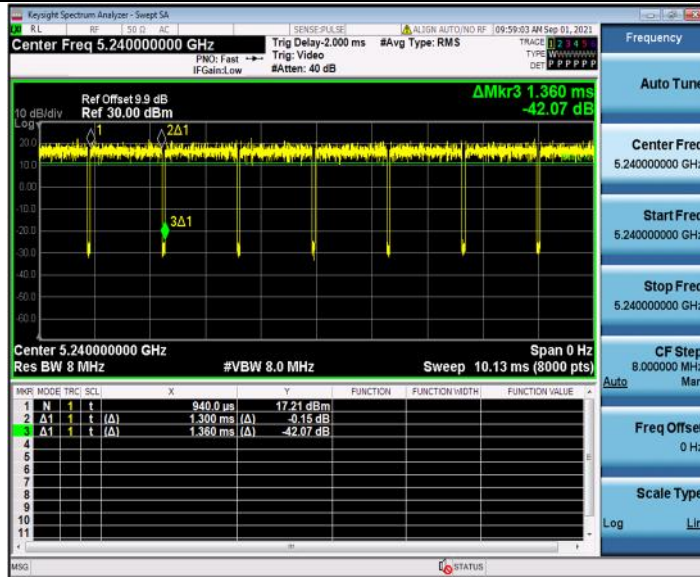
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11N20SISO\_Ant1\_5200

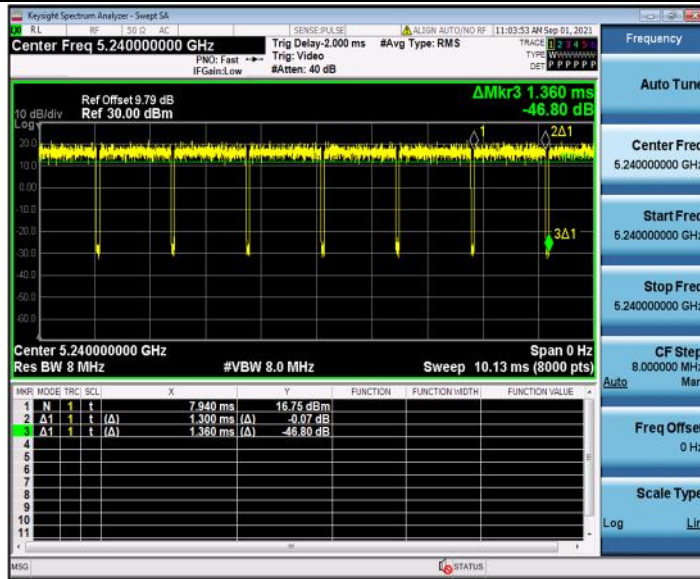


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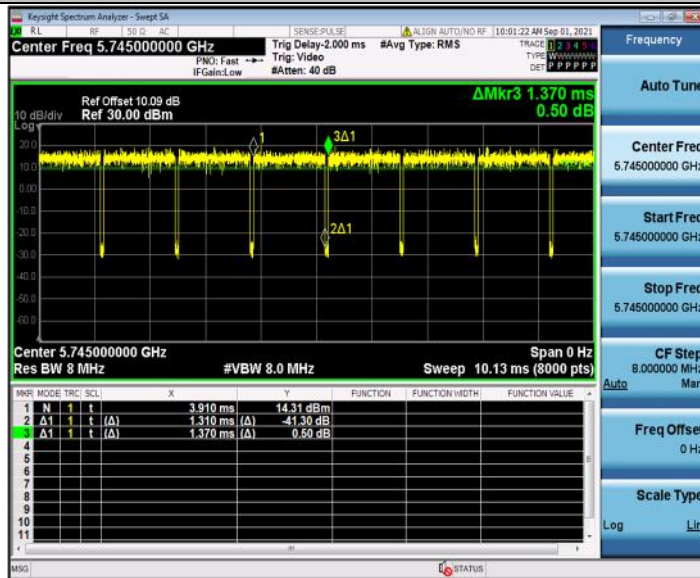


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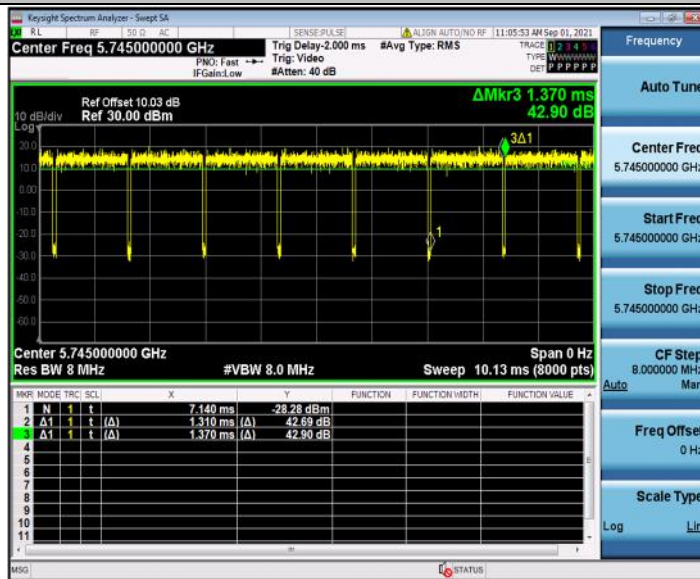




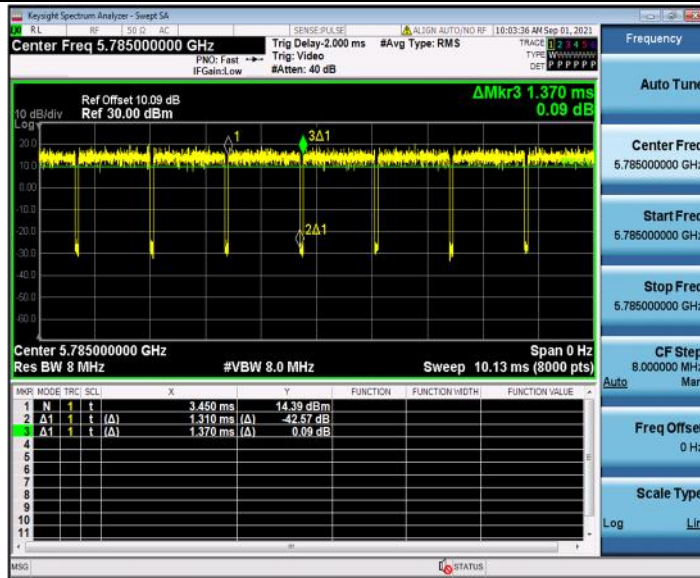
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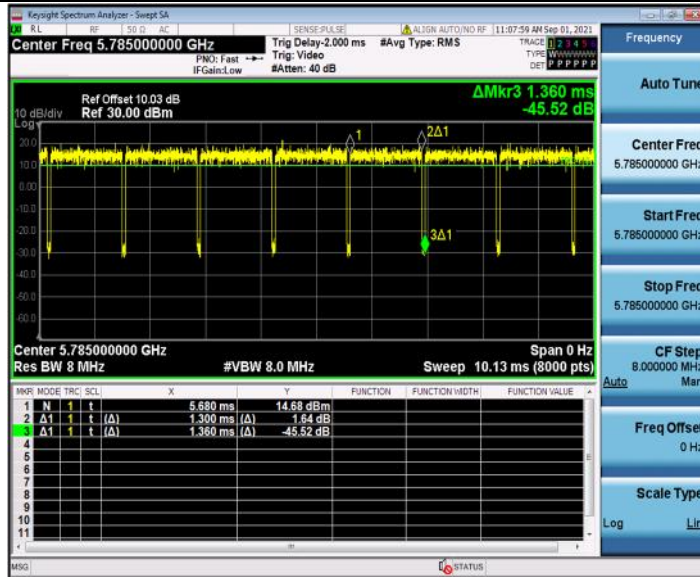
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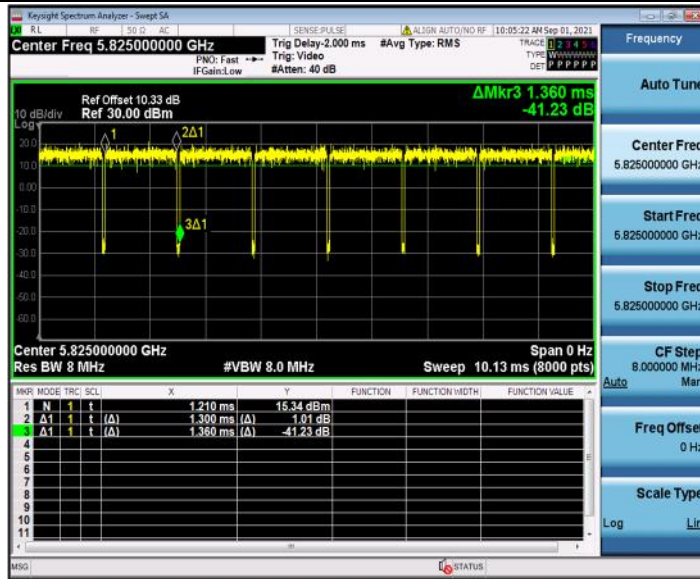
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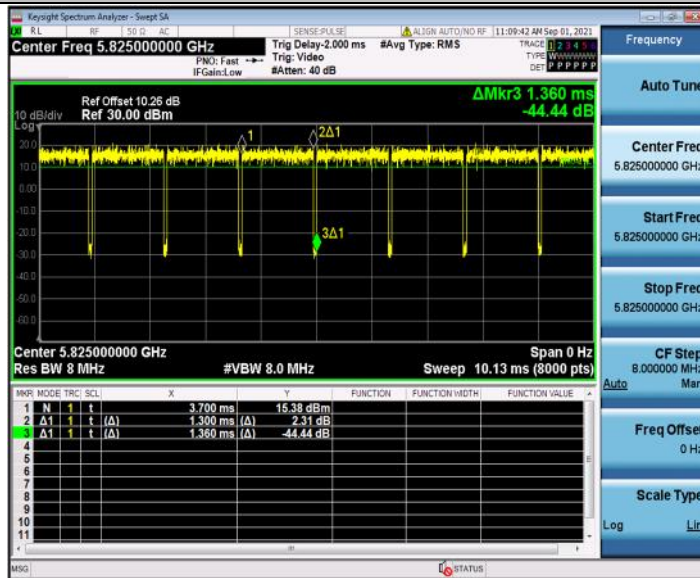
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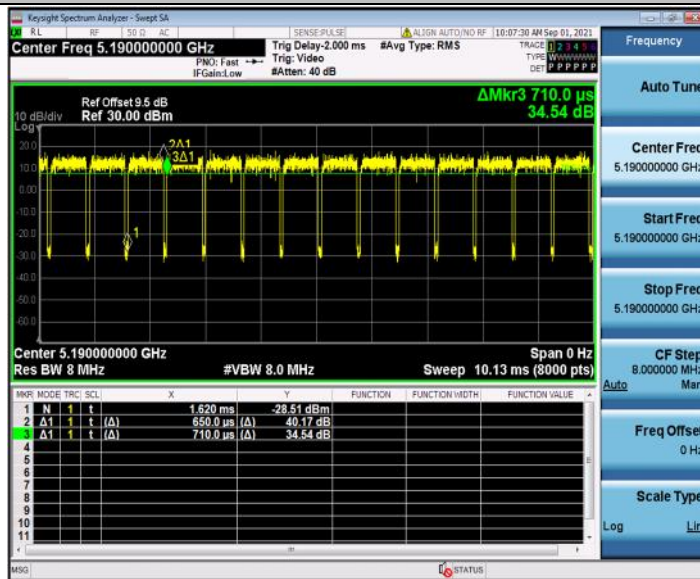
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11N20SISO\_Ant1\_5825

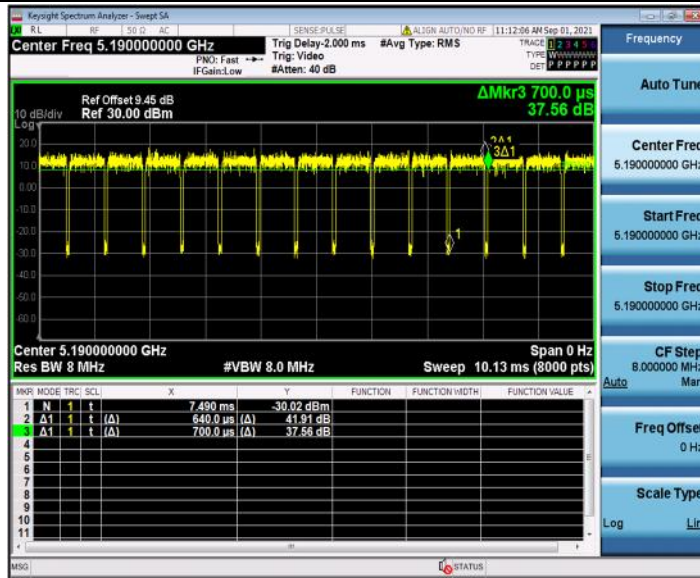


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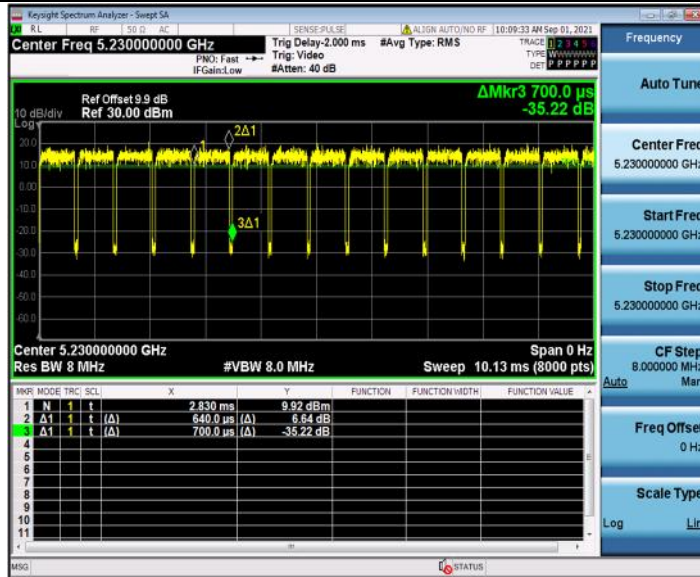




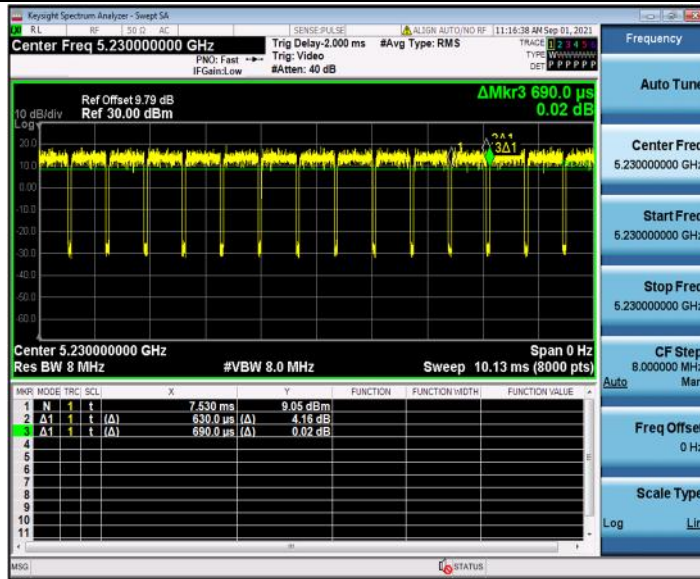
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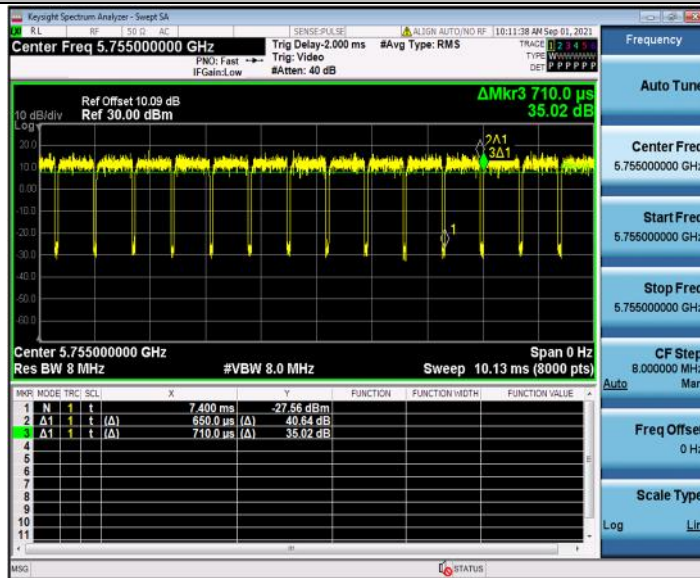
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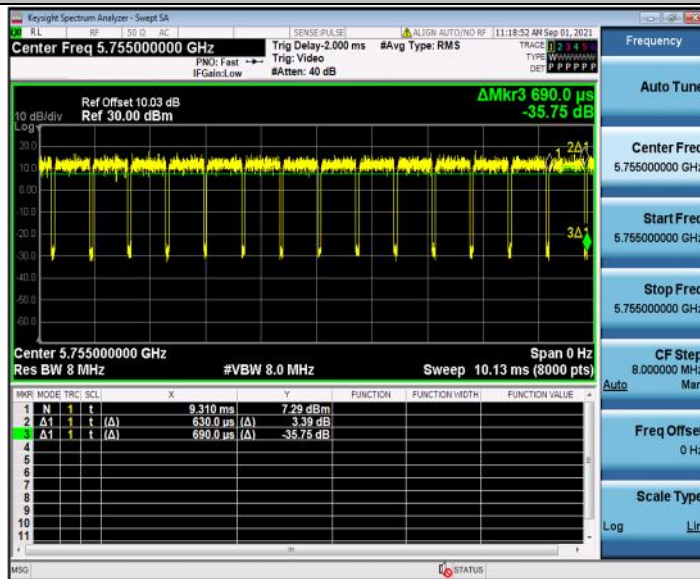
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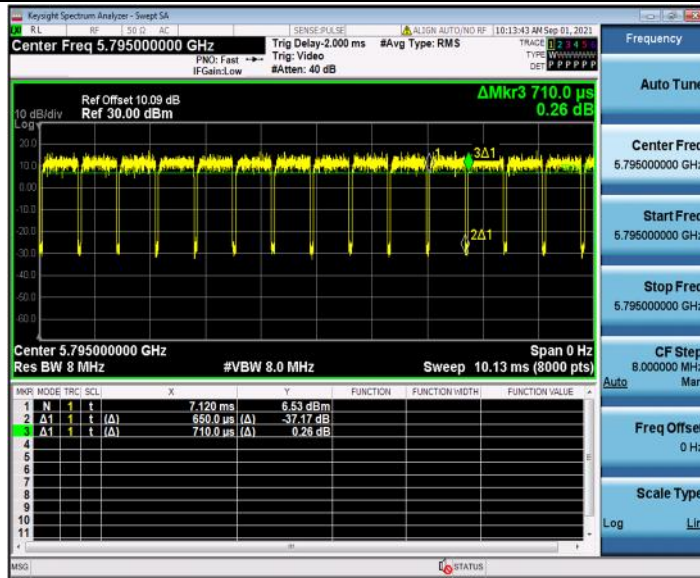
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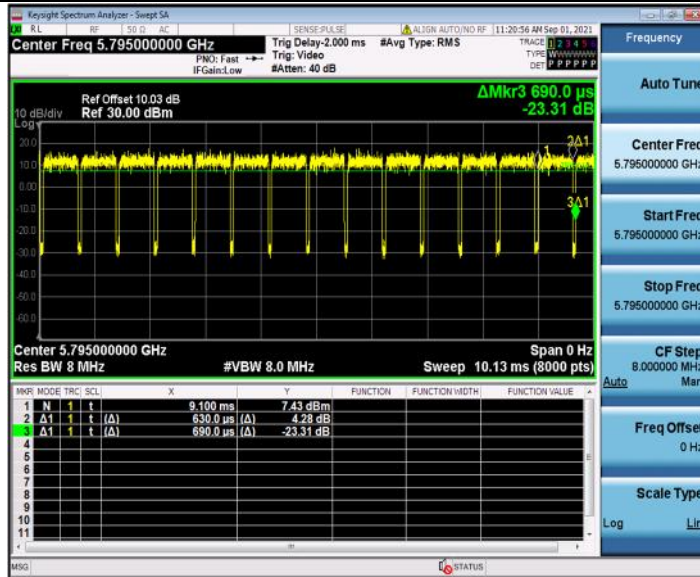
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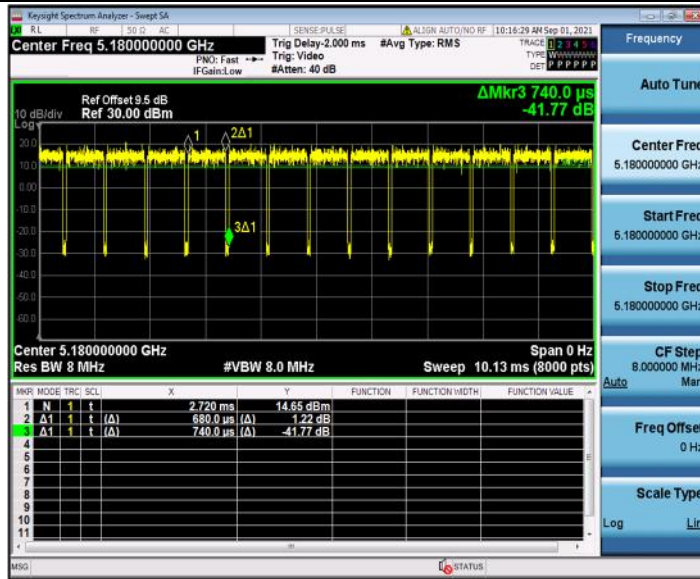
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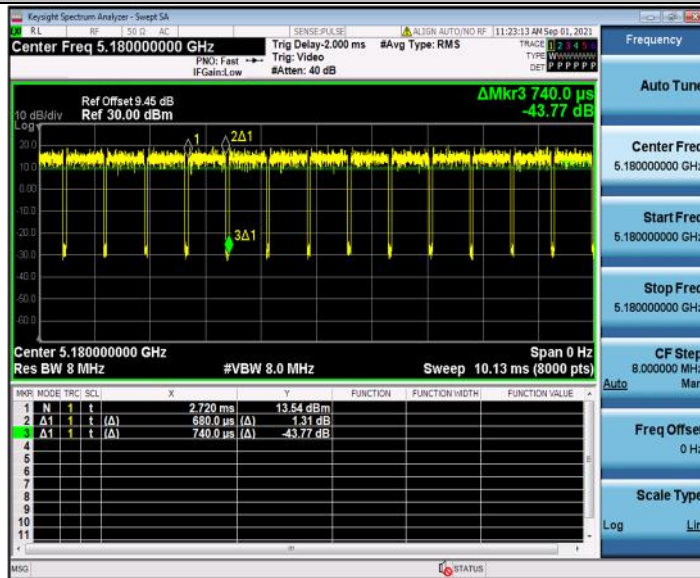
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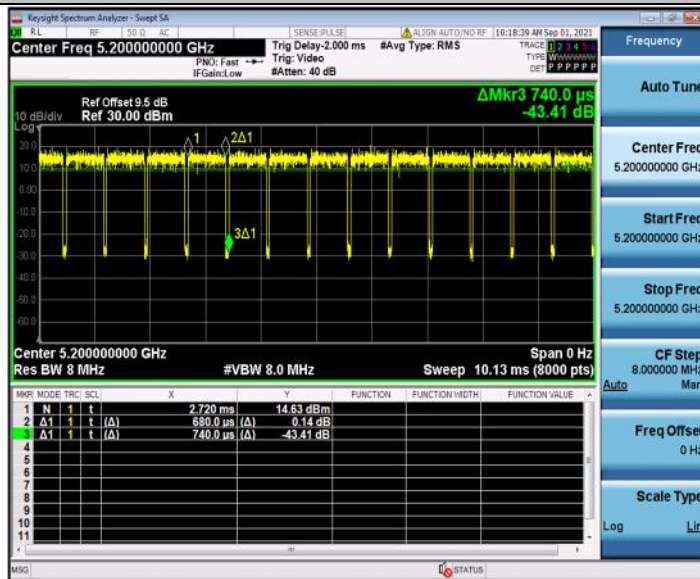
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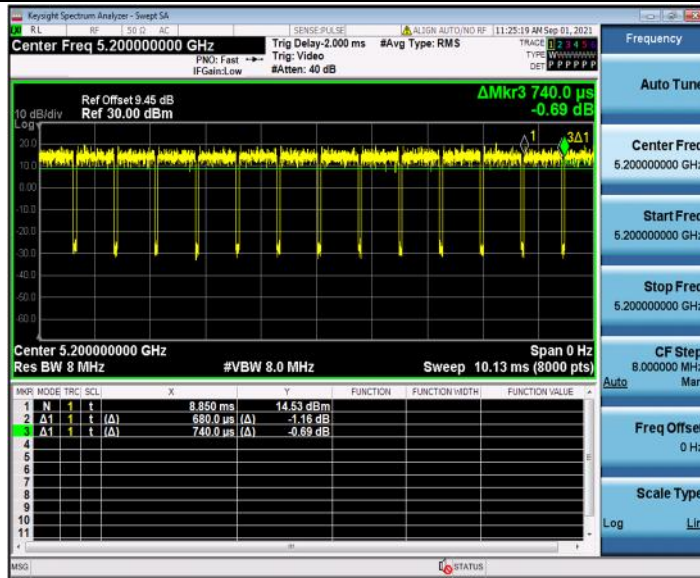


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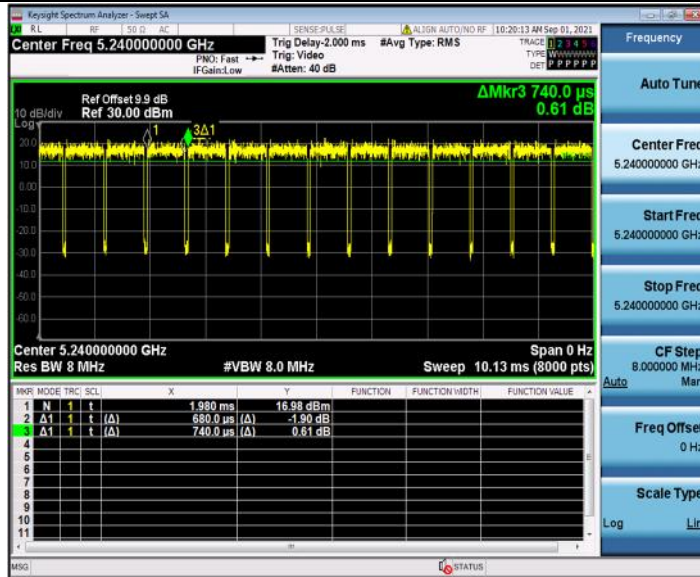




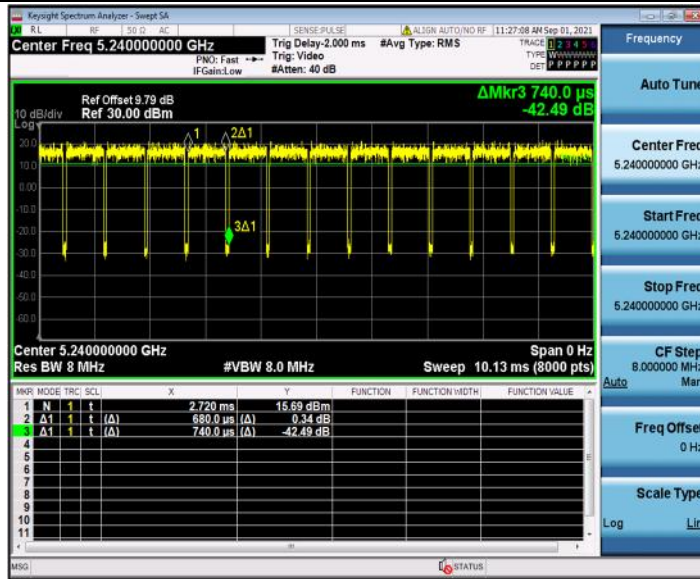
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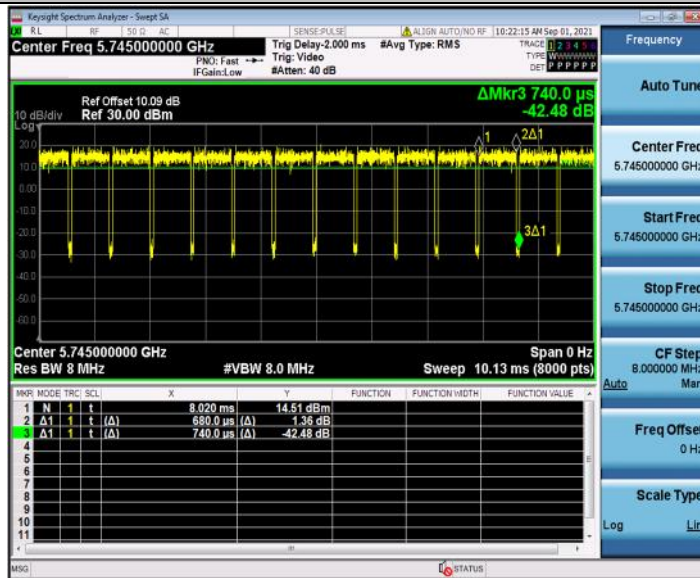
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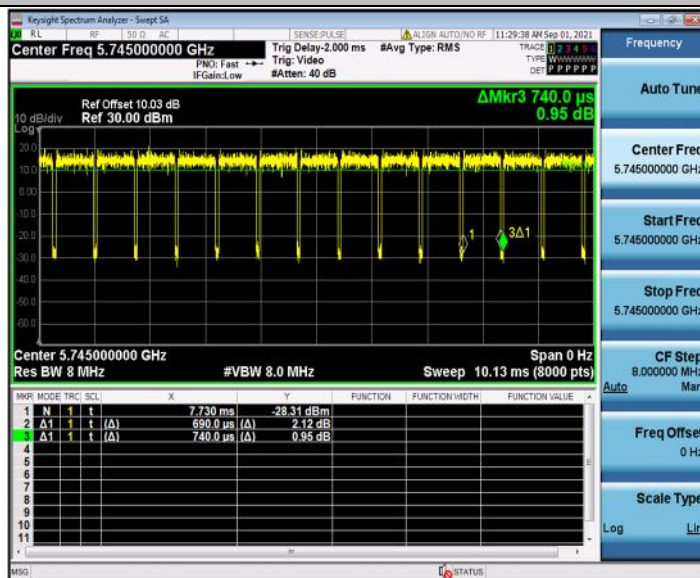
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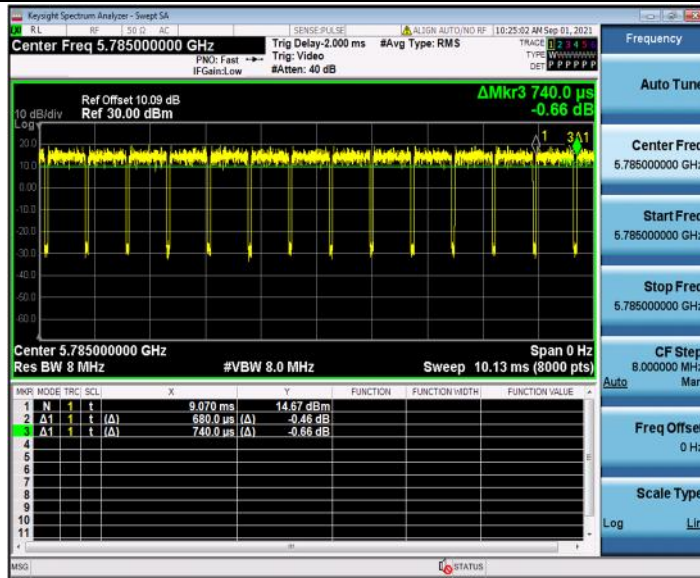
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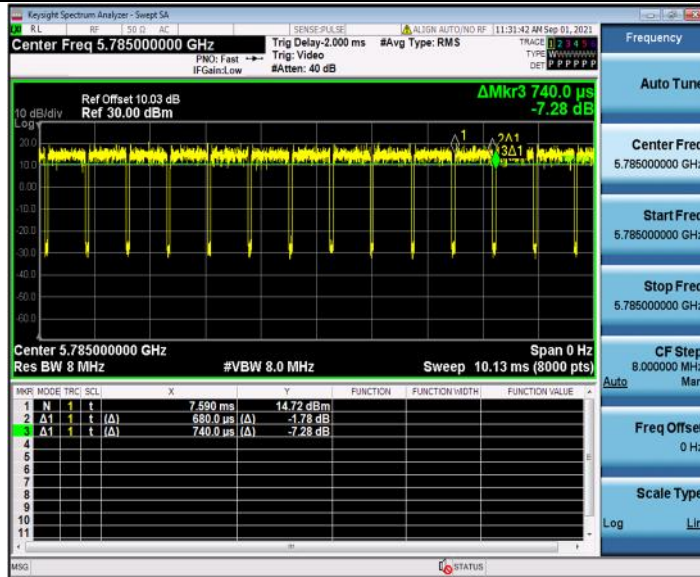
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11AC20SISO\_Ant2\_5745

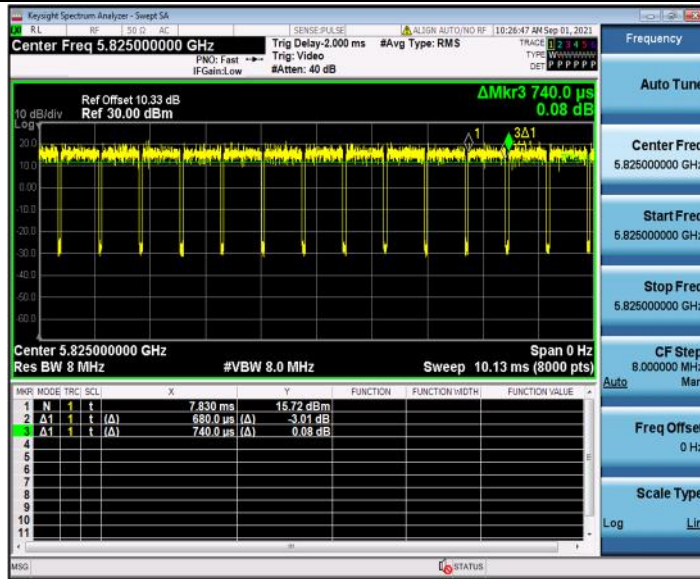


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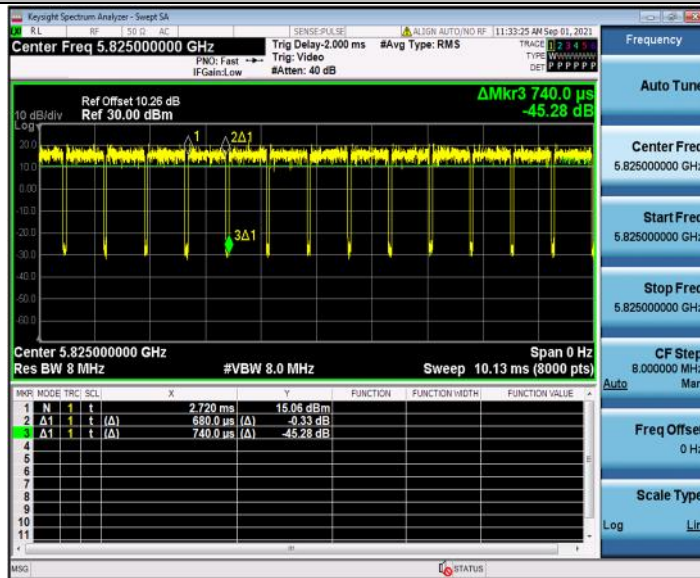


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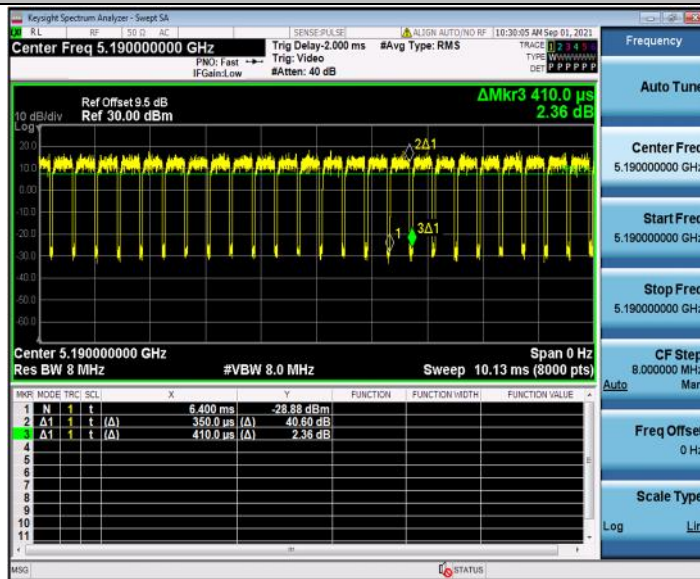




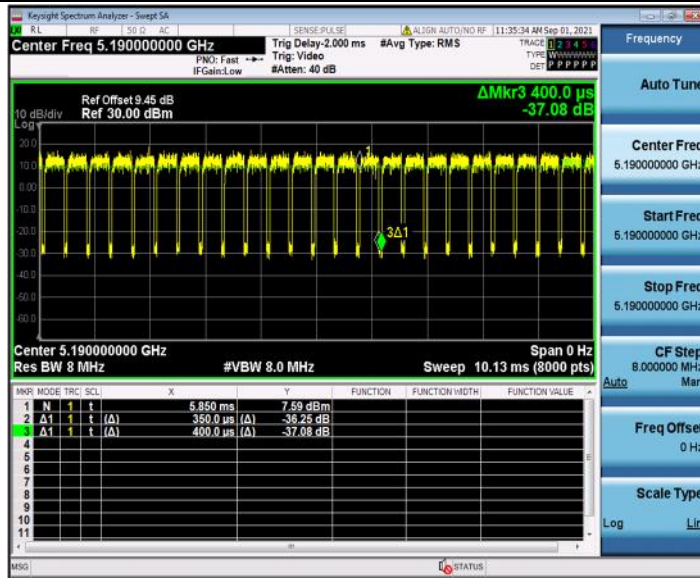
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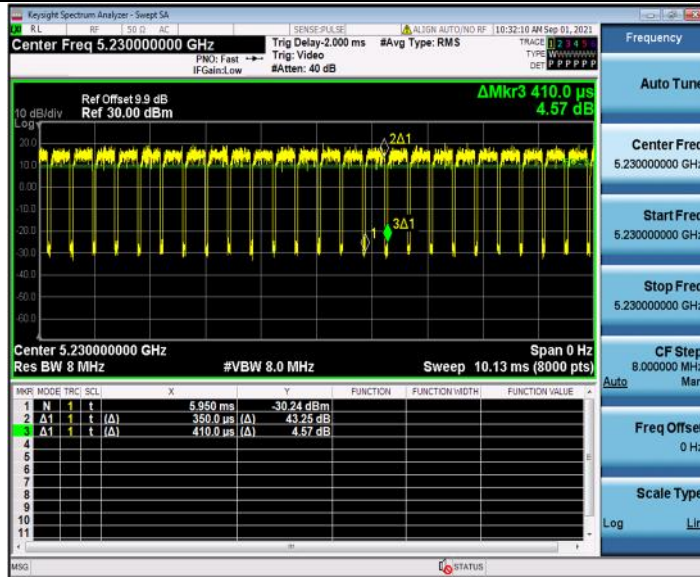
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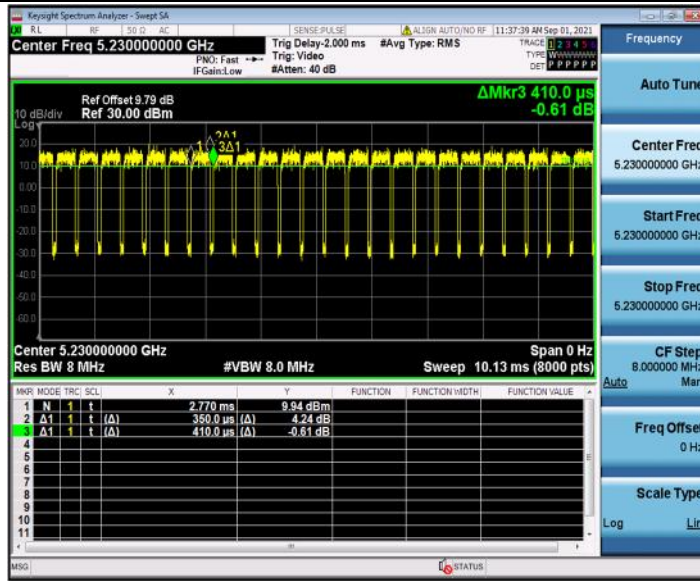
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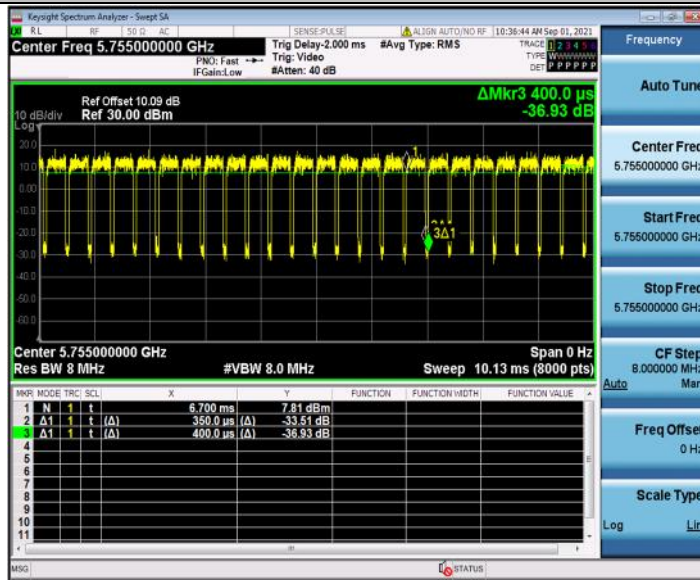
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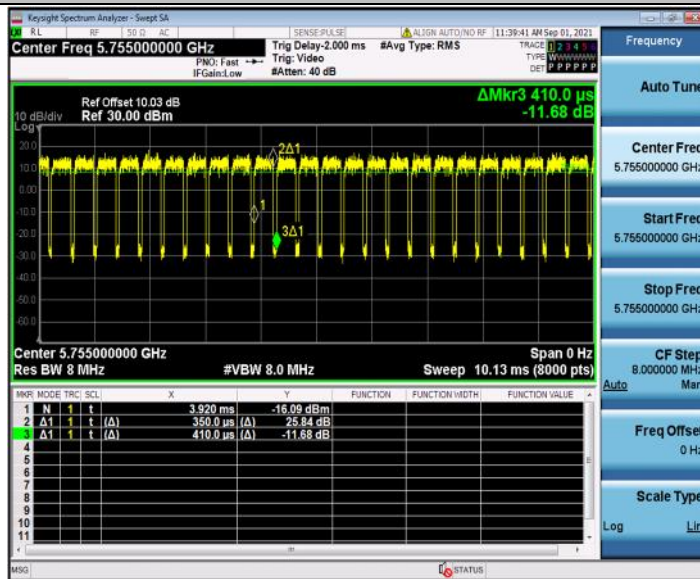
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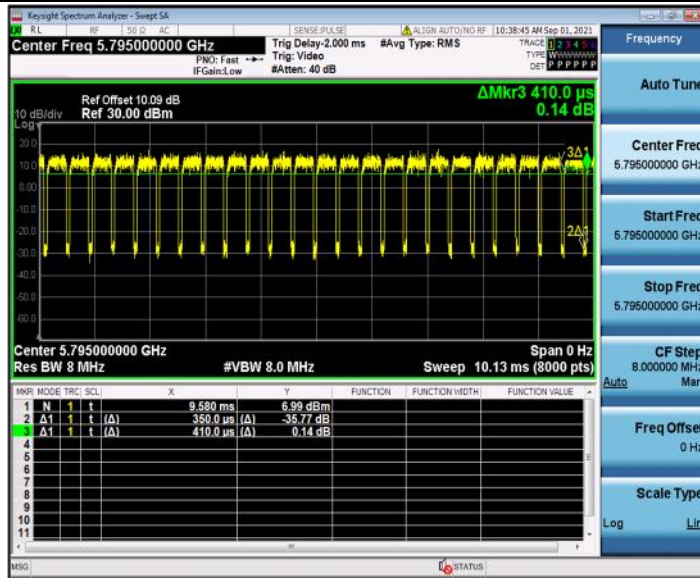
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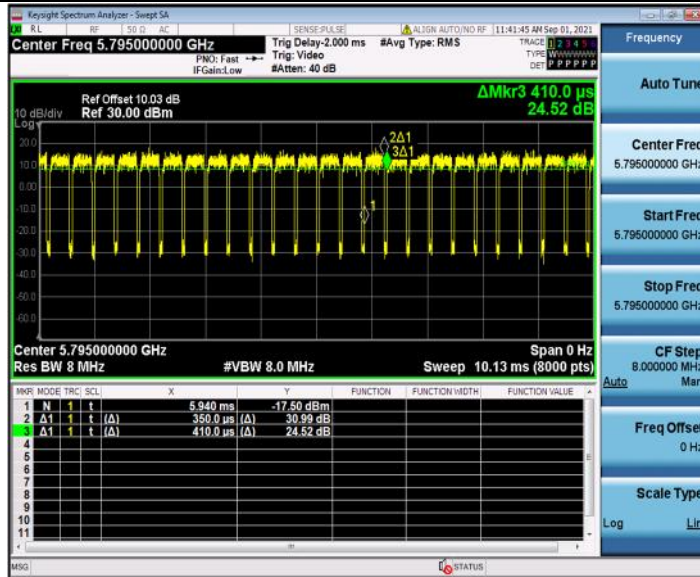
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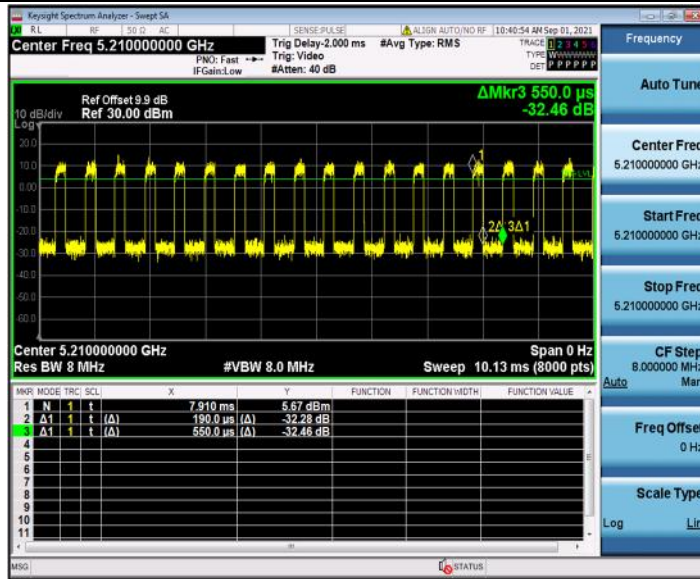


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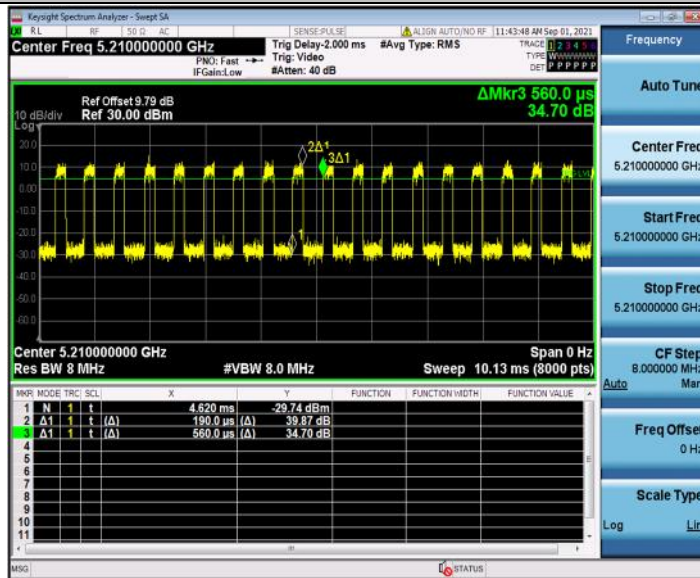


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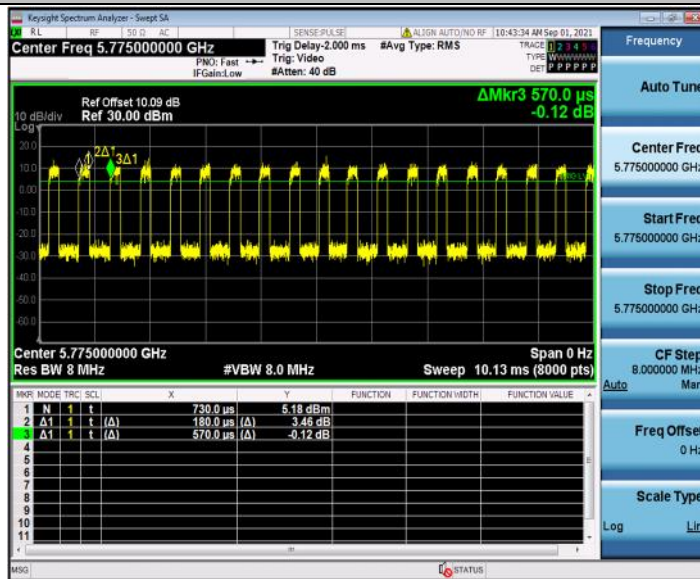




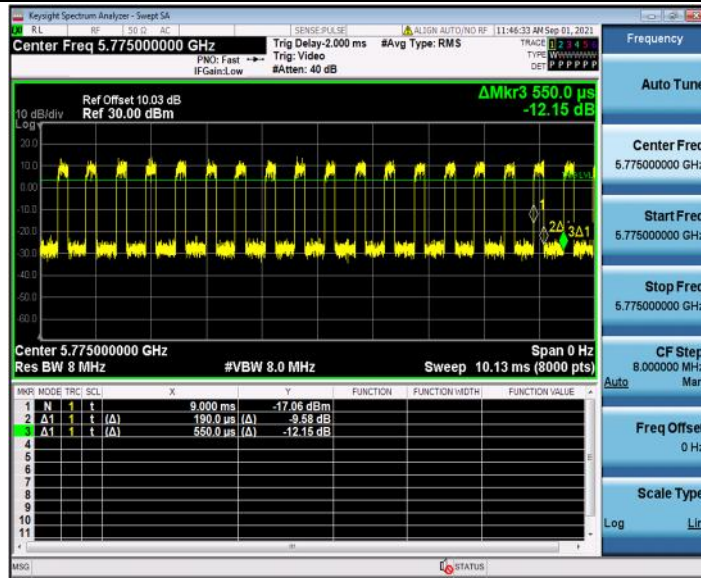
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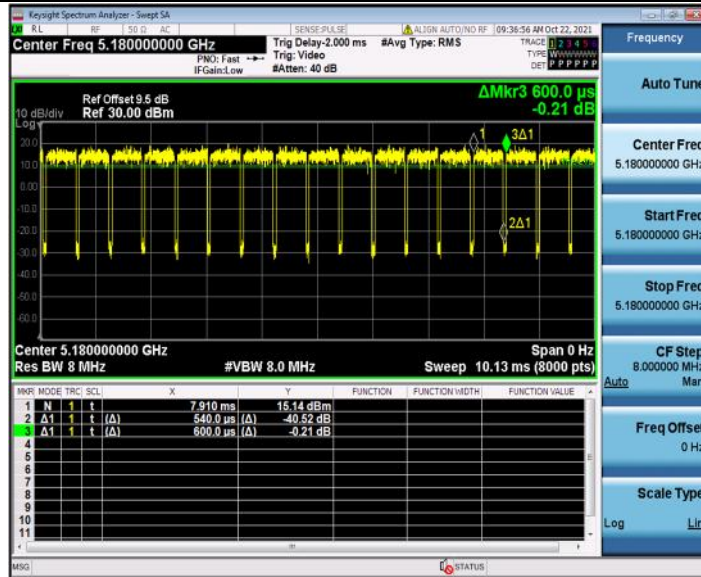
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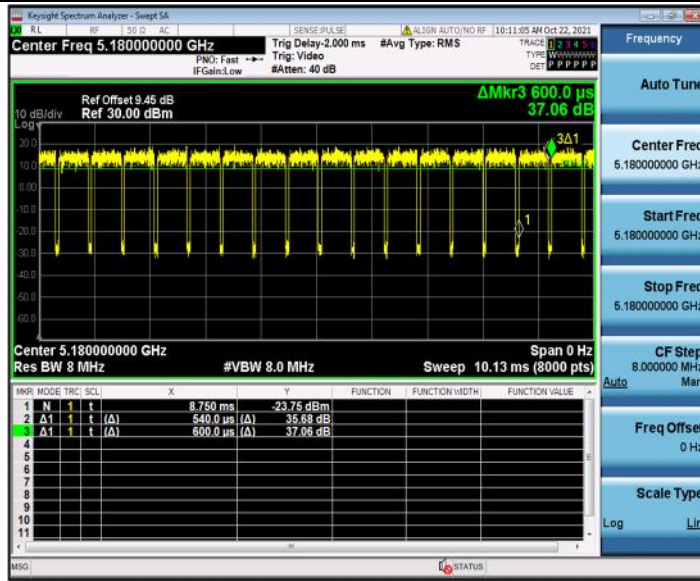
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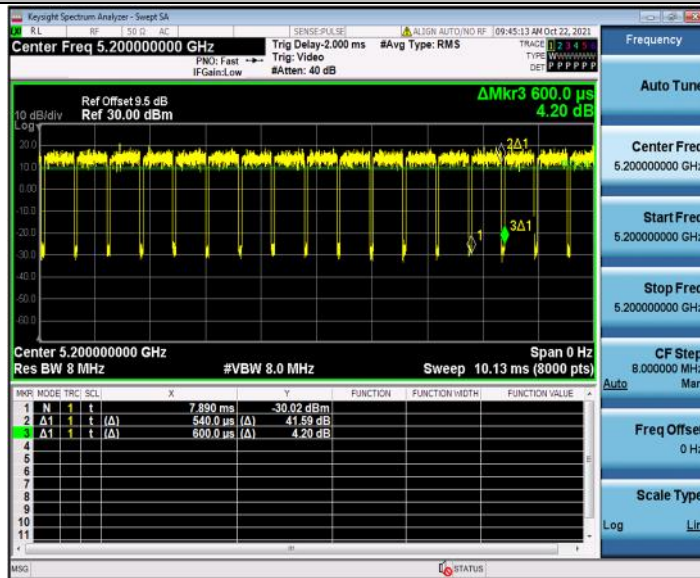
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11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant2\_5180



11AX20SISO\_Ant1\_5200

